

**300, 304-308, 320 Andrews Street & 25 Evans
Street**

City of Rochester

Monroe County, New York

**Supplemental Polishing Phase
Remedial Actions**

Construction Completion Report

NYSDEC Site Number: E828144

Prepared for:

City of Rochester

Division of Environmental Quality

30 Church Street, Room 300B

Rochester, New York 14614

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FEBRUARY 2020

CERTIFICATIONS

I, Nathan E Simon, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Supplemental Polishing Phase Remedial Actions Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Supplemental Polishing Phase Remedial Actions Work Plan.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Nathan E. Simon, of Day Engineering, P.C. at 1563 Lyell Avenue, Rochester, New York, am certifying as Owner's Designated Site Representative for the Site.



087172

NYS Professional Engineer #

2/27/2020

Date

Signature

EXECUTIVE SUMMARY

The Site consists of four contiguous parcels addressed as 300, 304-308 and 320 Andrews Street and 25 Evans Street, Rochester, New York. A Remedial Investigation (RI) was conducted at the Site between 2011 and 2015. A 2012 soil removal Interim Remedial Measure (IRM) and a 2014 in-situ chemical oxidation (ISCO) supplemental IRM were completed at the Site to remediate Tetrachloroethene (PCE) and other chlorinated volatile organic compounds (CVOCs) in soil and groundwater at the Site. The RI work and IRM work are documented in a Remedial Investigation/Remedial Alternatives Analysis Report dated November 2015. Additional polishing phase ISCO efforts were conducted at the Site between 2015 and 2018. Despite these IRMs and polishing phase efforts, a localized area of contaminated overburden soil (i.e., dense glacial till) in the saturated zone at a depth between approximately 12 and 24 feet appeared to be back diffusing elevated concentrations of PCE (i.e., 1,000 microgram per liter or ug/l in a December 2018 groundwater sample from monitoring well MW-17) and other CVOCs into the groundwater on the central portion of the Site.

This Construction Completion Report (CCR) documents the work conducted to address the localized contaminated area in accordance with a Supplemental Polishing Phase Remedial Actions Work Plan dated August 7, 2019 as conditionally approved in a York State Department of Environmental Conservation (NYSDEC) letter dated August 22, 2019. In September and October 2019, the supplemental polishing phase remedial actions completed included, but were not limited to, the following:

- Removal and off-site disposal of approximately 250 cubic yards of PCE and CVOC contaminated soil.
- Removal and off-site disposal of approximately 9,500 gallons of PCE contaminated groundwater.
- Installation of in-situ remediation hardware in the backfilled excavation.
- Injection of approximately 950-gallons of approximate 5% potassium permanganate solution through the in-situ remediation hardware to enhance ISCO of residual contamination in the subsurface.

The analytical laboratory VOC results of September 2019 post-excavation soil samples and December 2019 groundwater samples show the supplemental polishing phase remedial actions reduced the mass of VOC contamination within the localized area of contamination on the central portion of the Site. The detected concentration of PCE in a December 2019 groundwater sample from replacement monitoring well MW-17A installed in the backfilled supplemental polishing phase soil removal area was 28 ug/l. This represents an approximate 97% reduction of PCE in groundwater on this portion of the Site in relation to the December 2018 groundwater sampling event.

Based on the cumulative investigative and remedial work performed to date, additional remedial actions beyond ISCO polishing of groundwater do not appear warranted at this time. The remaining residual contamination, including VOCs, are addressed by the NYSDEC-approved institutional controls (Environmental Easement and Site Management Plan) and engineering controls (Cover System).

These supplemental polishing phase remedial actions were successful in achieving the goals of the project, which included physical removal and off-site disposal of the localized area of PCE-contaminated soil and groundwater, and completion of additional in-situ remediation to address residual PCE contamination at the Site. In addition, this work has further prepared the Site for redevelopment and may result in eliminating the need for long-term groundwater monitoring in the center of the Site.

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LIST OF ACRONYMS

Acronym	Definition
ASTM	American Society for Testing and Materials
bgs	Below Ground Surface
CAMP	Community Air Monitoring Plan
City	City of Rochester
CCR	Construction Completion Report
Chemtech	Chemtech Consulting Group, Inc.
CR2	Crusher Run #2 Stone
CRZ	Contamination Reduction Zone
CVOC	Chlorinated Volatile Organic Compound
DAY	Day Engineering, P.C.
DCE	Dichloroethene
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
ERP	Environmental Restoration Program
EZ	Exclusion Zone
GIS	Geographical Information System
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
ID	Inside Diameter
IRM	Interim Remedial Measure
ISCO	In-Situ Chemical Oxidation
LLDPE	Linear Low-Density Polyethylene
MCDES	Monroe County Department of Environmental Services
MCPW	Monroe County Pure Waters
mg/kg	Milligram per Kilogram
MS/MSD	Matrix Spike/Matrix Spike Duplicate
Nothnagle	Nothnagle Drilling, Inc.
NYCRR	New York Codes, Rules and Regulations

Acronym	Definition
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Safety and Health Administration
Paradigm	Paradigm Environmental Services, Inc.
PCE	Perchloroethylene (aka, Tetrachloroethene)
PDB	Passive Diffusion Bag
PID	Photoionization Detector
ppb	Parts per Billion
PPE	Personal Protective Equipment
ppm	Parts per Million
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
ROW	Right-of-Way
SAC	State Assistance Contract
SCG	Standards, Criteria and Guidance
SCO	Soil Cleanup Objective
SF	Square Feet
SZ	Support Zone
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TOGS	Technical and Operational Guidance Series
TREC	TREC Environmental, Inc.
ug/L	Microgram per Liter
UIC	Underground Injection Control
USEPA	United States Environmental Protection Agency

Acronym	Definition
Vali-Data	Vali-Data of WNY, LLC
VC	Vinyl Chloride
VOC	Volatile Organic Compound

CONSTRUCTION COMPLETION REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

The City of Rochester (City) entered into a State Assistance Contract (SAC) with the New York State Department of Environmental Conservation (NYSDEC) in February 2008, to investigate the approximate 1.5-acre property located in the City of Rochester, New York. The property was subsequently remediated to restricted residential use.

The Site is located in the County of Monroe, New York and consists of four parcels: Section 106.72 Block 01 Lots 84.1, 85.1, 86, and 87.1 on the City of Rochester Tax Map #106.72-1 that are addressed as 300, 304-308 and 320 Andrews Street and 25 Evans Street. The Site is situated on an approximately 1.5-acre area bounded by the Inner Loop highway right-of-way (ROW) to the north, Andrews Street ROW with commercial property beyond to the south, Franklin Square ROW with a City-owned park beyond to the east, and Bristol Street ROW with commercial property beyond to the west. Refer to Figure 1 for a project locus map, and Figure 2 for a Site Plan.

The Site was previously investigated and remediated under the NYSDEC Environmental Restoration Program (ERP). This previous work is detailed in the following documents:

- An IRM CCR dated October 2013.
- An Environmental Easement dated May 2015.
- A Supplemental IRM CCR dated August 2015.
- A Site Management Plan (SMP) dated August 2015.
- A Remedial Investigation/remedial Alternatives Analysis (RI/RAA) Report dated November 2015.

The remediation included soil removals in the unsaturated zone and various phases of in-situ chemical oxidation (ISCO) using potassium permanganate within the saturated zone. The Site received a Certificate of Completion from the NYSDEC in December 2015; however, polishing phase ISCO and groundwater monitoring continued to be performed to address residual CVOC contamination in the overburden saturated zone generally present

between 10 and 24 feet below the ground surface (bgs). The CVOCs generally consist of tetrachloroethene (i.e., Perchloroethene or PCE) with lower concentrations of Trichloroethene (TCE), Dichloroethene (DCE) and Vinyl Chloride (VC).

Subsequent to the activities described above, it became evident that an apparent small localized source zone of CVOC contamination primarily consisting of PCE was present in a generally impermeable dense glacial till soil located within the overburden saturated zone. Back diffusion of CVOCs from this glacial till source zone appeared to result in sustained elevated concentrations of CVOCs in groundwater on this portion of the Site. As shown on Figure 3, the localized PCE-contaminated area generally encompasses an approximately 20' x 30' oval shaped area totaling approximately 570 square feet (SF). The PCE-contaminated area was primarily present between a depth interval of 12 and 24 feet bgs. Based on geologic cross sections prepared as part of the previous remedial investigation for the Site, the top of bedrock on this portion of the Site is approximately 30 feet bgs. Figure 4 illustrates the localized PCE-contaminated area in relation to previously completed PCE remedial measures (e.g., Interim Remedial Measures or IRMs, and ISCO treatment components). Based on the cumulative information, it became apparent that further polishing via in-situ treatment alone would not result in timely remediation of the localized PCE-contaminated area.

This CCR was prepared to document supplemental polishing phase remedial actions undertaken at the Site. The work was completed in accordance with a Supplemental Polishing Phase Remedial Actions Work Plan dated August 7, 2019 and the requirements stated in the NYSDEC conditional approval letter dated August 22, 2019. A digital copy of this CCR is included as Appendix A. Select photographs showing various supplemental polishing phase remedial actions are included in Appendix B.

2.0 SUMMARY OF SUPPLEMENTAL POLISHING PHASE REMEDIAL ACTIONS

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this Site.

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Prevent the discharge of contaminants to surface water.
- Remove the source of ground or surface water contamination.

2.1.2 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

- Prevent impacts to biota due to ingestion/direct contact with contaminated soil that would cause toxicity or bioaccumulation through the terrestrial food chain.

2.1.3 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into building at the Site.

2.2 DESCRIPTION OF SELECTED REMEDY

The Site was further remediated in accordance with the remedy identified in the Supplemental Polishing Phase Remedial Actions Work Plan dated August 7, 2019 as modified/clarified by the NYSDEC conditional approval letter dated August 22, 2019.

The factors considered during the selection of the remedy are those listed in 6 New York Codes, Rules and Regulations (NYCRR) 375-1.8. The following are the components of the selected remedy:

1. Excavation of soil/fill exceeding NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives (SCOs) and/or Protection of Groundwater SCOs from a depth interval of approximately 12 to 24 feet bgs; and,
2. Additional ISCO polishing via injection of potassium permanganate.

3.0 DESCRIPTION OF SUPPLEMENTAL POLISHING PHASE REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Supplemental Polishing Phase Remedial Actions Work Plan dated August 7, 2019 for the Andrews Street Site and the NYSDEC conditional approval letter dated August 22, 2019. Significant deviations from this Work Plan are noted in Section 3.13.

3.1 GOVERNING DOCUMENTS

The Supplemental Polishing Phase Remedial Actions Work Plan included a site-specific Health and Safety Plan (HASP) with Community Air Monitoring Plan (CAMP) and a Quality Assurance Project Plan (QAPP). These governing plans were adhered to during the execution of the Supplemental Polishing Phase Remedial Actions Work Plan.

3.1.1 Site-Specific Health & Safety Plan

The remedial work performed under the Supplemental Polishing Phase Remedial Actions Work Plan was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal Occupational Safety and Health Administration (OSHA). On-site workers were required to have OSHA 1910.120 Hazardous Waste Operations and Emergency Response (HAZWOPER) Certification.

The HASP, included in the approved Supplemental Polishing Phase Remedial Actions Work Plan, was complied with for the work performed at the Site. Accidents and/or reportable HASP incidents did not occur during the implementation of the work described herein.

3.1.2 Quality Assurance Project Plan

The QAPP, included in the approved Supplemental Polishing Phase Remedial Actions Work Plan, was complied with for the work performed at the Site. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/quality control (QA/QC) activities designed to achieve the project data quality objectives.

3.1.3 Community Air Monitoring Plan

The CAMP implemented during the supplemental polishing phase remedial actions was conducted in accordance with the New York State Department of Health (NYSDOH) Generic CAMP, which was within the HASP included in the approved Supplemental Polishing Phase Remedial Actions Work Plan. Total volatile organic compound (VOC) and particulate concentrations were monitored at upwind and downwind perimeter locations during work that involved the disturbance of contaminated material and potentially contaminated material (i.e., during soil excavation, soil staging, backfilling, replacement well installation drilling, and soil load out). Particulates in air were monitored using Thermo Fisher Scientific DataRAM real time aerosol monitors. Total VOCs in air was measured using MiniRAE photoionization detectors (PIDs). Action levels specified in the CAMP were not exceeded during the supplemental polishing phase remedial actions work. The daily CAMP Air Monitoring Report Sheets with field figures are included in Appendix C. Results of the CAMP monitoring are further discussed in Section 3.2.5.

3.2 REMEDIAL PROGRAM ELEMENTS

3.2.1 Contractors and Consultants

Contractors and consultants that performed work as part of the supplemental polishing phase remedial actions, and a description of their associated tasks, are provided below.

- TREC Environmental Inc. (TREC) – Site preparation activities; removal, staging, loading, transport and disposal of non-hazardous contaminated soil and excavation waters; installation of ISCO delivery hardware in soil removal excavation; backfilling excavation with Site soil and imported stone; replacement of existing cover system material in work area; mixing and injection of potassium permanganate injectate through an ISCO delivery system; and, non-hazardous contaminated soil hauling. NYSDEC Part 364 permit #8A-1053.
- MJ Dreher Trucking, Inc. – Imported stone/backfill delivery; and non-hazardous contaminated soil hauling. NYSDEC Part 364 permit #8A-554.
- Terracon – Grain size distribution testing of on-site backfill material, field density (i.e., compaction) testing and reporting during backfilling.
- Nothnagle Drilling, Inc. (Nothnagle) – Installation of replacement overburden monitoring well MW-17A.

- Chemtech Consulting Group, Inc. (Chemtech) – Analytical Laboratory Testing Services.
- Paradigm Environmental Services, Inc. (Paradigm) – Analytical Laboratory Testing Services.
- Vali-Data of WNY, LLC (Vali-Data) – Analytical laboratory data validation services.

Day Engineering, P.C. (DAY) performed oversight and consulting for the Supplemental IRM work. The certifying Professional Engineer of Record is Nathan Simon, P.E., of DAY.

3.2.2 Site Preparation

Between approximately August 27, 2019 and September 9, 2019, the majority of required Site preparation and mobilization activities were conducted in general accordance with Section 2.2 of the Supplemental Polishing Phase Remedial Actions Work Plan. These activities included, but were not limited to, the following:

- Performed utility stakeouts in accordance with Dig Safely New York requirements prior to commencing intrusive activities (e.g., polishing phase soil removal work, and drilling associated with installation of a replacement monitoring well).
- A pre-existing NYSDEC-approved project sign at the project entrance was maintained during the supplemental polishing phase remedial actions.
- Delivered a portable restroom to the support zone (SZ) at the Site.
- Delivered a POD (used as a field office and dry storage) to the support zone at the Site.
- Mobilized heavy equipment, materials and supplies onto the Site.
- Held an on-site pre-construction meeting on September 3, 2019 that was attended by representatives of the NYSDEC, the City, DAY and TREC.
- Marked out the exclusion zone (EZ), the contamination reduction zone (CRZ) and the SZ.
- Installed “No Parking” signage on the chain link gate and adjacent chain link fencing to keep the entrance to the Site from Andrews Street clear of public and private vehicles.
- Decommissioned injection wells IW-14, IW-15 and IW-21 via tremie filling the polyvinyl chloride (PVC) screens and PVC riser piping with grout comprised of 96% Portland Cement/4% Bentonite ratio of dry material mixed with appropriate amount of

potable water. The former locations of these decommissioned wells are shown on Figure 4 and Figure 5, and well decommissioning records are included in Appendix D.

- Marked out and constructed an approximate 8,614 square foot soil staging area. The staging area consisted of a welded Solmax Linear Low-Density Polyethylene (LLDPE) 60-mil black textured liner and approximately 120.66 tons (6 truckloads) of imported Crusher Run #2 (CR2) stone sourced from the Dolomite Group Brockport plant that was used to create a minimum 1-foot high berm under the perimeter of the soil staging liner. The gradation sheet showing the CR2 contains less than 10% fines passing through a #80 sieve, an email from the NYSDEC accepting the material, and an invoice provided for the six truckloads delivered on September 4, 2019 are included in Appendix E.
- Marked out and constructed an approximate 665 square foot decontamination pad that connected the soil staging area and the CRZ. Initially, part of the 2-foot thick cover consisting of CR2 was excavated and used for berming around the perimeter of the decontamination pad footprint. A welded Solmax LLDPE 60-mil black textured liner and approximately 21.53 tons (1 truckload) of imported washed #1/#2 stone sourced from the Dolomite Group Brockport plant were then installed. The stone was used to fill the interior of the liner. A 5-gallon bucket with perforations was placed above the liner and surrounded by washed #1 and #2 stone in the lowest portion of the decontamination pad, to facilitate extraction (i.e., pumping) of water from the decontamination pad at a later date. The gradation sheet for the washed #1/#2 stone showing less than 10% fines pass through a #80 sieve, and a truck ticket and Dolomite Group ticket provided for the truckload are included in Appendix E.
- Marked out polishing phase soil removal areas for reusable soil and PCE-contaminated soil, as well as former IRM-01 limits of excavation that were within the polishing phase soil removal areas.
- Polishing phase work that involved additional injection of potassium permanganate to assist with in-situ chemical oxidation of contamination was conducted under the United States Environmental Protection Agency (USEPA) Underground Injection Control (UIC) Program via the existing Reference UICID 14NY05599031. An April 28, 2014 submittal with the original Inventory form, and a May 1, 2014 letter from the USEPA acknowledging the receipt of the inventory information, are attached in Appendix F. As shown on the May 1, 2014 UIC authorization response letter, the USEPA states “Follow up injection of additional potassium permanganate also authorized if needed to complete remediation”.

In addition to the Site preparation and mobilization activities described above, an approximate 21,000-gallon frac tank was mobilized and set up on the northwest portion of the Site on September 11, 2019.

Figure 6 shows the Site layout and location of support facilities, staging areas, decontamination pad, frac tank location, etc. Documentation of a Specialty Short Term Discharge permit required by the Supplemental Polishing Phase Remedial Action Work Plan is included in Appendix G.

3.2.3 General Site Controls

Existing perimeter fencing with two locked gates were maintained during the supplemental polishing phase remedial actions to ensure the safety of workers and the public. Access to the Site was limited to staff, workers, and pertinent agencies involved with the project. The City, DAY, TREC and Nothnagle were the only entities with keys to the locks on the gates. The public was not permitted to enter the fenced area. The gates were locked at the end of each work day.

Daily site activities were recorded by DAY and City representatives in a field logbook, including names of on-site personnel. Daily sign-in sign-out sheets were also used to document on-site personnel. Truck tracking logs were used to document imported and exported earthen materials during the project. Copies of these field notes, sign-in/sign-out sheets and truck tracking logs are included in Appendix H.

At the end of each day, construction fencing secured with metal posts was placed around open excavations.

Since the implemented supplemental polishing phase remedial actions resulted in the exposure and disturbance of less than 1 acre of the Site, the remedial activities were considered exempt from formal NYSDEC storm water construction permit requirements. However, erosion and sedimentation control measures implemented during the project included:

- Placing segregated reusable soil and contaminated soil in the bermed and lined staging area, covering soil piles with plastic sheeting within the soil staging area, and securing the plastic sheeting cover in-place with tire rings during periods of time when the Site was unoccupied.
- Loading of trucks with care to avoid the need for decontamination.

A truck and equipment decontamination pad shown on Figure 6 was available for use. Contaminated soil was loaded onto trucks within the soil staging area, and the trucks were required to drive through the decontamination pad located in the CRZ prior to passing through the SZ and leaving the Site. Due to dry conditions and careful loading practices, required decontamination was limited to sweeping/shoveling soil off the back of the trucks. The decontamination pad in the CRZ was also used to perform dry and wet decontamination of heavy equipment that was leaving the EZ prior to passing into the SZ and leaving the Site.

3.2.4 Nuisance Controls

The soil staging area was integrated with the ramp for the soil removal area. Heavy equipment involved with excavation of contaminated material generally stayed within the limits of the excavation area or the soil staging area. If heavy equipment or trucks needed to leave the soil staging area, they were required to pass through the decontamination pad in the CRZ and undergo dry and/or wet decontamination.

Biosolve pinkwater was applied to contaminated soil as it was being excavated, which suppressed airborne vapor and dust during its excavation, staging and load out. No nuisance complaints were received regarding the supplemental polishing phase remedial actions. Dust control beyond these measures was not necessary during the supplemental polishing phase remedial actions work.

3.2.5 CAMP Results

The CAMP was adhered to during ground intrusive remedial activities and during any on-site activity that had the potential to create airborne VOCs or particulates (i.e., excavation, backfilling, soil staging, load-out of contaminated soil, etc.). Action levels for both VOCs and particulates were not exceeded during these activities. The application of Biosolve pinkwater to contaminated soil assisted in suppression of airborne VOC vapors and particulates. No CAMP exceedances were measured at the Site perimeter during the supplemental polishing phase remedial actions. Copies of the CAMP Air Monitoring Report Sheets and field figures are included in Appendix C.

Periodic air monitoring of VOCs and particulates in the worker's breathing zone air was conducted with a PID and particulate meter during various activities that had the potential for VOC and particulate exposure. Breathing zone readings were recorded in the field log book (Appendix H) and/or on CAMP Air Monitoring Report Sheets (Appendix C).

Respiratory protection due to VOC vapors was necessary during excavation of some of the PCE-contaminated soil. Respiratory protection was also used by TREC during mixing of anhydrous potassium permanganate.

3.2.6 Reporting

Project updates were occasionally provided by DAY and/or the City via email to the project team and the NYSDEC. In general, updates included a summary of work completed and anticipated upcoming activities.

Status meetings were held on-site on at least a weekly basis to discuss progression of the supplemental polishing phase remedial actions work, any issues or concerns, proposed work plan deviations, and preliminary sample results. The meetings were generally attended by representatives from the City, DAY and TREC, and occasionally representatives from the NYSDEC.

The digital photo log required by the Supplemental Polishing Phase Remedial Actions Work Plan is included in electronic format in Appendix B.

3.3 CONTAMINATED MATERIALS REMOVAL

Figure 3 through Figure 10 show the location of the localized area of the Site where PCE-contaminated soils were removed and subsequent ISCO was performed as part of the supplemental polishing phase remedial actions. Removal of contaminated materials and ISCO are described in the following subsections, generally in the order that they were completed.

3.3.1 Supplemental Polishing Phase Soil Removal

The purpose of the supplemental polishing phase soil removal was to remove PCE-contaminated dense glacial till soil from a depth interval of 12 to 24 feet bgs that appeared to be acting as a source of elevated CVOC concentrations in groundwater within the center of the Site.

During soil removal work, an excavator was used to excavate the soils. Where necessary, excavation sidewalls were sloped for stability and safety purposes. The majority of removed soils were then transferred from the excavator bucket into the bucket of a loader, which was used to transport the removed soil to the appropriate staging location. When a loader was used to bring reusable or contaminated soil from the excavation to the soil

staging area, the loader stayed within the footprints of the excavation ramp area and the integrated soil staging area in order to prevent removed soil from mixing with the surrounding cover system material. A mini-excavator was also used to assist in shaping the various piles of soil.

Between September 9, 2019 and September 12, 2019, reusable soil was removed to depths up to approximately 12.0 feet bgs from the targeted PCE-contaminated soil removal area. On September 9, 2019 and September 10, 2019, the cover system material from 0 to 2 feet bgs over the entire targeted area, and reusable soil from 2 to 12 feet bgs from the northern portion of the targeted area, were removed. On September 12, 2019, some additional cover system material from 0 to 2 feet bgs near the southern portion of the targeted area, and reusable soil from a depth interval of 2 to 12 feet bgs from the central and southern portions of the targeted area, were removed. Based on global positioning system (GPS) measurements and excavation depth measurements, calculations estimated a total of 750.8 cubic yards of reusable soil was removed. The upper two feet of re-usable soil removed consisted of the earthen cover system material that was primarily comprised of CR2 stone. The removed cover system material was placed in a pile on top of the earthen cover system at a location northwest of the soil removal area (refer to Figure 6). PID screening of every other excavator bucket was conducted for the reusable soil being excavated from beyond the limits of the previous IRM-01 excavation at depths greater than 2.0 feet bgs. Peak PID readings measured on this material ranged between 0.0 parts per million (ppm) and 3.1 ppm. PID screening of every third or fourth excavator bucket was conducted for the reusable soil being excavated from within the limits of the previous IRM-01 excavation at depths greater than 2.0 feet bgs. Peak PID readings measured on this material ranged between 0.0 ppm and 140 ppm. Reusable soil from depths greater than 2.0 feet (from outside and within the limits of the previous IRM-01 excavation) was placed in piles within the staging area (refer to Figure 6).

Between September 11, 2019 and September 13, 2019, PCE-contaminated soil was removed from depths between approximately 12 and 24 feet bgs from the approximate 570 square foot (approximate 20 ft x 30 ft) targeted PCE-contaminated soil removal area. The contaminated soil that was removed was indigenous and generally consisted of a very dense silt and/or fine sand with trace gravel (glacial till) that was underlain by looser silt and/or fine sand with little to some gravel. PID screening of every other excavator bucket was conducted for the contaminated soil that was removed, and peak PID readings measured on this material ranged between approximately 20 ppm and 7,000 ppm (near the center of the oval soil removal area shown on Figure 3 through Figure 10). The contaminated soil

was placed in segregated piles within the staging area (designated as Pile 1 and Pile 2 on Figure 6). Pile 1 contained contaminated soil with PID readings less than 1,000 ppm. Pile 2 contained contaminated soil with PID readings greater than or equal to 1,000 ppm.

Between September 9, 2019 and September 13, 2019, monitoring well MW-17 and injections wells IW-6, IW-13, IW-16, and IW-22 through IW-30 were decommissioned via removal as reusable soil and PCE-contaminated soil were being excavated from the soil removal area. The well materials were placed in the soil staging area for disposal with the PCE-contaminated soil. The former locations of these wells are shown on Figure 4 and Figure 5, and well decommissioning records are included in Appendix D.

As the soil removal work progressed, field measurements and survey-grade GPS equipment were used to measure the horizontal limits of reusable soil and PCE-contaminated soil excavation work, and a rotary laser level was used to measure excavation depths. The reusable soil and PCE-contaminated soil excavation limits are shown on Figure 5, Figure 6 and Figure 7. Figure 5 also includes a cross-section of the excavation through reusable soil and PCE-contaminated soil. Based on measurements taken, it is estimated that approximately 750 cubic yards of reusable soil (including cover system material), and approximately 250 cubic yards of PCE-contaminated soil, were removed and staged in segregated piles on the Site. The aerial limits of reusable soil removed were greater than the limits identified in the Work Plan to provide better mobility of heavy equipment in the excavation. The vertical limit of reusable soil removed was generally in accordance with the limits identified in the Work Plan. The vertical and areal excavation limits of contaminated soil identified in the Work Plan were met. [Note: Due to the excavation method being employed and factors that did not allow precise measurements during excavation of contaminated soil from the 12 to 24 ft depth interval, a little over-excavation of contaminated soil occurred in order to ensure the planned limits were met.]

3.3.2 Excavation Dewatering and Storage

On September 13, 2019 and September 16, 2019, an electric pump was used to remove accumulated groundwater and control infiltrating groundwater in the excavation. No significant precipitation events occurred that required pumping of rainwater from the excavation. Some of the groundwater that was observed infiltrating into the excavation was initially pink to purple in color as a result of previous potassium permanganate injection events in the targeted soil removal area. Accumulated groundwater in the excavation was pumped to the 21,000-gallon frac tank located on the northwest portion of the Site. Over time, the color of the staged water in the frac tank changed from light pink

to clear. A total of approximately 9,500 gallons of groundwater was removed from the excavation during dewatering and placed in the frac tank.

3.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

On September 12, 2019 and September 13, 2019, eight post-excavation soil samples were collected from the PCE-contaminated soil excavation. Due to the depth of the excavation, the excavator bucket was used to collect soil from each targeted sample location, of which a portion was transferred to laboratory sample containers for subsequent laboratory testing. The locations of these post-excavation soil samples are shown on Figure 5 and Figure 7). Details concerning these samples are included on Table 1 (Sample Log).

The following post-excavation documentation soil samples were collected on September 12, 2019 from the northern portion of the excavation.

- Sample 979-S-1-(18-19) was collected from the excavation sidewall at a depth interval of 18 to 19 feet bgs. A peak PID reading of 242.0 ppm was measured on a portion of this sample.
- Sample 980-B-1-(24) was collected from the excavation bottom at a depth of 24 feet bgs. A peak PID reading of 1.3 ppm was measured on a portion of this sample.
- Sample 981-S-2-(20) was collected from the excavation sidewall at a depth of 20 feet, bgs. A peak PID reading of 28.4 ppm was measured on a portion of this sample.

The following post-excavation documentation soil samples were collected on September 13, 2019 from the central and southern portions of the excavation.

- Sample 982-S-3-(19) was collected from the excavation sidewall at a depth of 19 feet bgs. A peak PID reading of 43.2 ppm was measured on a portion of this sample.
- Sample 983-B-2-(24) was collected from the excavation bottom at a depth of 24 feet bgs. A peak PID reading of 3.9 ppm was measured on a portion of this sample.
- Sample 984-S-4-(19) was collected from the excavation sidewall at a depth of 19 feet bgs. A peak PID reading of 0.6 ppm was measured on a portion of this sample.
- Sample 985-S-5-(19) was collected from the excavation sidewall at a depth of 19 feet bgs. No PID readings were recorded for this sample.
- Sample 986-B-3-(24) was collected from the excavation bottom at a depth of 24 feet bgs. A peak PID reading of 2.2 ppm was measured on a portion of this sample.

The eight post-excavation soil samples were delivered under chain-of-custody control to Chemtech, which tested each sample for USEPA target compound list (TCL) VOCs and tentatively identified compounds (TICs) using USEPA Method 8260. Matrix spike/matrix spike duplicate (MS/MSD) testing was performed on a portion of sample 982-S-3-(19) for QA/QC purposes. The analytical laboratory reports are included in Appendix I.

Vali-Data completed a data usability summary report (DUSR) on the two analytical laboratory data packages for the eight post-excavation soil samples. Copies of the DUSRs are included in Appendix J, and the results were incorporated on the Equis Data that was submitted electronically to the NYSDEC. As shown, the data were determined to be acceptable for use. One data package required no qualification. The second laboratory package required minor qualification due to some analyte percent recoveries being outside quality control limits in internal Standards, Surrogate Spike Recoveries, Laboratory Control Samples and MS/MSD.

Table 2 provides a summary of the validated VOC test results for the eight post-excavation soil samples, and also includes a comparison of the test results to NYSDEC Part 375 Unrestricted Use SCOs, Restricted Residential SCOs, Commercial SCOs and Protection of Groundwater SCOs where exceedances are highlighted with bold red typeface. As shown, PCE concentrations detected in sidewall soil samples ranged between 7.4 milligram per kilogram (mg/kg) or ppm and 34.7 mg/kg or ppm, which exceed its Unrestricted Use SCO (1.3 ppm) and Protection of Groundwater SCO (1.3 ppm). The PCE concentrations detected in sidewall samples 979-S-1-(18-19) and 985-S-5-(19) also exceeded its Restricted Residential SCO (19 ppm). PCE concentrations detected in the three bottom soil samples ranged between 0.0196 mg/kg or ppm and 0.44 mg/kg or ppm, which do not exceed the Unrestricted Use SCO (1.3 ppm), Restricted Residential SCO (19 ppm), Commercial SCO (150 ppm) or Protection of Groundwater SCO (1.3 ppm). Other VOCs detected in one or more of the eight post-excavation soil samples included: Acetone, Carbon Disulfide; cis-1,2-DCE; Toluene; and TCE. The detected concentrations of these other VOCs did not exceed their respective Unrestricted SCOs, Restricted Residential SCOs, Commercial SCOs or Protection of Groundwater SCOs. VOC TICs were detected in three of the eight post-excavation soil samples at total TIC concentrations ranging between 0.0109 mg/kg or ppm and 14.85 mg/kg or ppm. Total TCL VOC concentrations detected in the eight post-excavation soil samples are also shown on Figure 7.

3.5 BACKFILLING, INSTALLATION OF ISCO POLISHING HARDWARE, AND SITE GRADING

Between September 16, 2019 and September 24, 2019, the excavation associated with removal of the localized area of PCE-contaminated soil was backfilled. The backfill consisted of the approximately 750.8 cubic yards of reusable soil (including cover material) that was staged on-site and approximately 357 tons (18 truckloads) of CR2 imported to the Site on September 23, 2019 and September 24, 2019 from the Dolomite Group Brockport plant. The gradation sheet showing the imported CR2 contains less than 10% fines passing through a #80 sieve, an email from the NYSDEC accepting the material, and Dolomite Group tickets provided for the 18 truckloads delivered on September 23, 2019 and September 24, 2019 are included in Appendix E.

On September 18, 2019, when the excavation was backfilled to a depth of about 12 feet bgs, eight sets of ISCO polishing hardware (designated as ISCO-1 through ISCO-8) were installed in the excavation. At each location, a mini-excavator was used to excavate trenches into the backfill to allow the ISCO polishing hardware to be installed at the desired depths that ranged between 15 and 20 feet bgs (refer to table on Figure 7). The locations of the ISCO polishing hardware are shown on Figure 7 and Figure 8. Each set of ISCO polishing hardware was constructed of two-inch inner diameter (ID) Schedule 40 PVC that consisted of a ten-foot long horizontal section of 10-slot screen capped on one end finished with a 90° elbow connected to a solid vertical riser pipe with j-plug extending above the finished ground surface. The trenches around each perforated horizontal screen section were backfilled with a total of approximately 40.02 tons (2 truckloads) of imported washed #2 stone previously delivered to the Site on September 12, 2019 from the Dolomite Group Brockport plant. The gradation sheet for the washed #2 stone showing less than 10% fines pass through a #80 sieve, and a truck ticket and Dolomite Group tickets provided for the two truckloads are included in Appendix E. Once the ISCO polishing hardware and washed stone were installed, the corresponding trench was backfilled with reusable soil to the original backfilled depth of about 12 feet bgs.

After installation of the eight sets of ISCO polishing hardware was complete, excavation backfilling resumed. Once the excavation was backfilled to a depth of approximately 9 feet, a vibratory roller was used to compact backfill in one-foot lifts, and Terracon began field density (i.e., compaction) testing of each one-foot lift. Field density testing was completed on September 20, 2019, September 23, 2019, and September 24, 2019. Terracon's grain size distribution test report, earthwork observations reports, and field

density (compaction) test reports are included in Appendix K. The field density test reports show the achieved percent compactions ranged between 95.2% and 99.7%, which exceeded the goal of 95% compaction. As part of the backfilling, the staged existing cover system material, supplemented with new imported CR2, were used to re-establish the minimum two-foot thick earthen cover system over the excavation.

On September 25, 2019, the excavator (except the bucket), the loader and the vibratory roller that had been in contact with PCE-contaminated soil were decontaminated by mechanically removing soil (i.e., using a shovel, brush, etc.) over the staging area followed by power washing with potable water over the decontamination pad in the CRZ.

On October 22, 2019, a skid steer was used to grade portion of the cover material on the Site that were disturbed by the project. As part of this work, approximately 43 tons (2 truckloads) of additional CR2 from the Dolomite group Brockport plant was imported to the Site. The gradation sheet showing the imported CR2 contains less than 10% fines passing through a #80 sieve, an email from the NYSDEC accepting the material, and Dolomite Group tickets provided for the 2 truckloads delivered on October 22, 2019 are included in Appendix E. The skid steer did not require decontamination since it was not in contact with potentially contaminated materials. The POD storage container and portable restroom were also removed from the SZ and transported off-site on October 22, 2019.

3.6 INSTALLATION AND DEVELOPMENT OF REPLACEMENT MONITORING WELL

On October 17, 2019, a replacement overburden monitoring well (designated as MW-17A) was installed by Nothnagle to replace monitoring well MW-17 that was to be decommissioned as a result of the soil removal work. Replacement well MW-17A was located near the center of the removal area approximately eight feet northwest of the MW-17 location (refer to Figure 5). Nothnagle used a 4.25-inch inner diameter hollow stem auger system to advance the well boring to a depth of 25 feet bgs. A two-inch inner diameter Schedule 40 PVC well consisting of fifteen feet of 10-slot PVC screen connected to solid and capped PVC riser extending above the ground surface was installed in the borehole. A sand pack was installed around, and two feet above, the screened interval. A 2.5-foot bentonite seal was installed above the sand pack. Grout was used to fill the remainder of the borehole to approximately one-foot bgs. A protective casing was cemented in-place over the aboveground portion of the PVC riser. Soil cuttings were placed in a Part 364 permitted dump trailer provided by TREC and left on-site, and

decontamination water was placed in the 21,000-gallon frac tank. The boring log and monitoring well construction diagram for MW-17A are included in Appendix L.

On October 18, 2019, monitoring well MW-17A was developed by utilizing a gas-powered pump and dedicated disposable tubing. Approximately 35 gallons (i.e., over 13 well casing volumes) of groundwater was purged from the well during its development. No fluids were added to the well during development, and well development equipment was decontaminated after its use. Using a Horiba U-53 water quality meter, water quality measurements were taken prior to purging and after each five-gallon increment of groundwater was removed. A well development data log is included in Appendix L. The purged well development water and decontamination water were placed in the 21,000-gallon frac tank.

A City licensed surveyor measured: 1) the location of monitoring well MW-17A; and 2) the elevations of the ground surface, top of inner PVC casing and top of outer protective casing of monitoring well MW-17A.

3.7 WASTE CHARACTERIZATION AND DISPOSAL

Table 3 is a Waste Disposal Tracking Log that summarizes the wastes generated during the supplemental polishing phase remedial actions, the characterization sampling and analysis performed, transportation information, and disposal information. Further details are discussed below.

3.7.1 Wastes Associated with Frac Tank Contents

On September 20, 2019, two waste characterization water samples were collected from the frac tank that contained water removed from the excavation. The samples were collected using a peristaltic pump connected to new plastic tubing. Water sample 987-WS-01 was collected approximately one foot below the surface of the water in the frac tank. Water sample 988-WS-02 was collected approximately 1 inch above the bottom of the tank. These two liquid waste characterization samples were delivered under chain-of-custody control to Paradigm, which tested each sample for VOCs using USEPA Method 624, pH using Method SM22 4500 H+ B, and Oxidizers using American Society for Testing and Materials (ASTM) Method D4981-08. Details concerning these samples are included on Table 1 (Sample Log). The analytical laboratory report is included in Appendix I. Sample 987-WS-01 contained the VOC PCE at a concentration of 834 ug/l, had a pH of 7.64, and was negative for oxidizers. Sample 988-WS-02 contained the VOC PCE at a concentration of 942 ug/l, had a pH of 7.58, and was negative for oxidizers.

On October 2, 2019, DAY submitted an application package to the Monroe County Department of Environmental Services (MCDES) for a Specialty Short Term Discharge Permit. On October 7, 2019, MCDES issued Specialty Short Term Discharge Permit #ST-371. Copies of the permit application and the permit are included in Appendix G.

On October 10, 2019, discharge of the wastewater being stored in the 21,000-gallon frac tank commenced. In accordance with Permit #ST-371, the water was discharged to a manhole located in the adjoining Bristol Street public right-of-way west of the Site (designated as B-MH2 on Figure 3 and Figure 6). Manhole B-MH2 is connected to a combined sewer that ultimately leads to the Monroe County Pure Waters (MCPW) Frank E. VanLare Wastewater Treatment Plant.

On October 22, 2019, the frac tank was cleaned by TREC. The excavation water in the tank, and approximately 100 gallons of wash waters, were discharged to manhole B-MH2 under Permit #ST-371, and sediments were placed in the TREC Part 364 permitted dump trailer that was also used for storage of the soil cuttings generated during installation of replacement overburden monitoring well MW-17A. On October 22, 2019, TREC left the Site with the dump trailer and disposed of the approximately 0.66 tons of contents at High Acres Landfill under waste profile #110197NY (see below). A Waste Management Customer Summary Report, a landfill ticket, and a non-hazardous waste manifest for the TREC dump trailer load are included in Appendix M.

3.7.2 Wastes Associated with Removed PCE-Contaminated Soil, Decommissioned Wells, and Dismantled Staging Area and Decontamination Pad

On September 24, 2019, two waste characterization soil samples were collected from the PCE-contaminated soil located in the staging area. Soil sample 989-Pile-1 was collected at Pile 1 that consisted of removed PCE-contaminated soil that had PID measurements < 1,000 ppm. Soil sample 990-Pile-2 was collected at Pile 2 that consisted of removed PCE-contaminated soil that had PID measurements \geq 1,000 ppm. At each location, an excavator was used to dig at least two feet into the side of the respective soil pile and a soil sample was collected from the in-situ portion of each location that exhibited the highest PID reading. At the two sample locations, soil was collected from a 0 to 0.5 foot depth interval within the targeted portion of the excavation.

The two solid waste characterization samples were delivered under chain-of-custody control to Paradigm, which tested each sample for: TCL VOCs and TICs using USEPA Method 8260; Toxicity Characteristic Leaching Procedure (TCLP) VOCs using USEPA

Methods 1311 and 8260; and TCLP Metals using USEPA Methods 1311, 6010 and 7470. Details concerning these samples are included on Table 1 (Sample Log). The analytical laboratory report is included in Appendix I. Sample 989-Pile-1 contained the total VOC PCE at a concentration of 261 ug/kg, was non-detect for TICs, had a TCLP detection of 0.630 mg/l for the metal Barium, and was non-detect for TCLP VOCs. Sample 990-Pile-2 contained the total VOC PCE at a concentration of 594 ug/kg, contained 175 ug/kg of total TICs, had a TCLP detection of 0.525 mg/l for the metal Barium, and was non-detect for TCLP VOCs. Based on these test results, Pile 1 and Pile 2 were characterized as non-hazardous waste, and waste profile #110197NY was generated.

On October 9, 2019 and October 10, 2019, the non-hazardous PCE-contaminated soil in Pile 1 and Pile 2, as well as the staging area materials, decommissioned well materials and disposable personal protective equipment (PPE), were loaded onto a total of 28 Part 364 permitted trucks provided through MJ Dreher Trucking, Inc. A total of approximately 547.14 tons of PCE-contaminated soil (including the staging area materials, decommissioned well materials, and PPE) was transported off-site and disposed at High Acres Landfill under waste profile #110197NY. A Waste Management Customer Summary Report, landfill tickets, and non-hazardous waste manifests for the 28 truckloads are included in Appendix M.

On October 11, 2019, the excavator, the mini-excavator and truck mats that had been in contact with PCE-contaminated soil were decontaminated over the decontamination pad in the CRZ using a sledge hammer and shovel followed by power washing with potable water. The decontamination pad was then dismantled. Approximately 50 gallons of water contents in the decontamination pad was pumped into drums, which were transported on a truck to Bristol Street and discharged to manhole B-MH2 under MCDES Specialty Short Term Discharge Permit #ST-371. The liner, washed stone, perforated water pump bucket, and soil from decontamination activities was loaded onto two Part 364 permitted trucks provided through MJ Dreher Trucking, Inc. Subsequent to finishing loading of decontamination pad material into the bed of the second Part 364 permitted truck, the excavator bucket that touched these materials was decontaminated by power-washing with potable water above the material in the truck bed prior to this last truck leaving the Site. A total of approximately 27.90 tons of solid decontamination pad waste material was transported off-site and disposed at High Acres Landfill under waste profile #110197NY. A Waste Management Customer Summary Report, the landfill tickets, and the non-hazardous waste manifests for the two truckloads are included in Appendix M.

3.8 POST-EXACATION SUPPLEMENTAL POLISHING PHASE ISCO TREATMENT

On October 18, 2019 and October 25, 2019, 385 pounds of 97% potassium permanganate sourced from Hepure Technologies, Inc. was hydrated and mixed with approximately 950-gallons of potable water to result in an approximate 5% solution of potassium permanganate. The potassium permanganate was delivered as a powder in seven 55-pound containers. TREC's personnel involved with the mixing wore Level C PPE with proper respiratory protection during mixing of the potassium permanganate. Potassium permanganate was mixed in 55-gallon batches in a plastic open head 55-gallon drum. Appropriate amounts of water and 97% potassium permanganate were added to the drum for each batch, and an electric power drill stainless steel mixer was then used to mix each batch of potassium permanganate solution prior to injection. A pump equipped with rubber hose and/or a gravity feed funnel were used to inject the ~5% potassium permanganate solution.

- On October 18, 2019, the following approximate volumes of potassium permanganate solution were injected:
 - Approximately 110 Gallons each at ISCO-1, ISCO-2, ISCO-3, ISCO-4, ISCO-5, ISCO-7, and ISCO-8 (total of approximately 770 gallons).
 - Approximately 55 Gallons at ISCO-6.
 - Approximately 15 gallons each at MW-01 and MW-03A (total of approximately 30 gallons).
 - Approximately 5 gallons each at IW-1, IW-4A, IW-8, IW-9, IW-17, IW-18, IW-19 and IW-20 (total of approximately 40 gallons).
- On October 18, 2019, the following approximate volumes of potassium permanganate solution were injected:
 - Approximately 30 Gallons at ISCO-6.
 - Approximately 25 Gallons each at ISCO-5.

The injection locations identified above are shown on Figure 7 and Figure 8. Once the ISCO treatment was complete, the plastic drum was rinsed, neutralized and removed from the Site.

3.9 POST-EXCAVATION PERFORMANCE GROUNDWATER MONITORING EVENT

Approximately six weeks after finishing the supplemental polishing phase ISCO treatment, a post-excavation performance groundwater monitoring event was conducted. On December 6, 2019, static water levels were taken at monitoring wells, MW-01, MW-02,

MW-03A, MW-04, MW-05, MW-06, MW-07, MW-11, MW-15, MW-16, MW-17A, MW-18, MW-19 and MW-20. Following the static water level measurements on December 6, 2019, wells MW-01 and MW-03A were redeveloped, and then passive diffusion bag (PDB) samplers were deployed at monitoring wells MW-01, MW-02, MW-03A, MW-05, MW-11, MW-15, MW-16, MW-17A, MW-18 and MW-19. On December 20, 2019, the PDBs were retrieved from the 10 wells, and groundwater samples were processed for laboratory analysis. The ten field samples, a field blank and a trip blank were delivered under chain-of-custody control to Chemtech, which tested the samples for TCL VOCs and TICs using USEPA Method 8260. In addition, MS/MSD testing was performed on a portion of sample 996-MW-15(17) for QA/QC purposes. Details concerning these samples are included on Table 1 (Sample Log). The analytical laboratory reports are included in Appendix I.

Vali-Data completed a DUSR on the analytical laboratory data package. A copy of the DUSR is included in Appendix J, and the results were incorporated on the Equis Data that was submitted electronically to the NYSDEC. As shown, the data were determined to be acceptable for use, and minor qualification was required due to acetone being detected in a field blank.

Using the surveyed well elevations, and static water level measurements from December 6, 2019, the groundwater elevation for each monitoring well on December 6, 2019 was calculated (refer to Table 4). A potentiometric groundwater contour map for the December 6, 2019 monitoring event was developed and is included as Figure 9. As shown, with the exception of radial flow away from MW-03A, groundwater flow on December 6, 2019 generally flows toward the northeast, toward the Inner Loop.

Table 5 provides a summary of the validated December 2019 VOC test results for the ten groundwater samples, and also a comparison of the test results to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 groundwater standards and guidance values where exceedances are highlighted with bold red typeface. A discussion of this data is discussed below.

- The December 2019 groundwater samples from monitoring wells MW-01, MW-02, MW-03A, MW-05, MW-11, and MW-17A contained concentrations of one to four CVOCs that exceeded their respective TOGS 1.1.1 groundwater standards or guidance values. One to three CVOCs were also detected in December 2019 groundwater samples from monitoring wells MW-15, MW-16, MW-18 and MW-19, but at concentrations below their respective TOGS 1.1.1 groundwater standards or guidance values.

- CVOCs detected in one or more of the groundwater samples included: Cis-1,2-DCE; Trans-1,2-DCE; PCE; TCE; and VC.
- PCE results ranged between 0.55 ug/l or parts per billion or ppb (MW-15) and 820 ug/l or ppb (MW-01). PCE concentration results for the ten December 2019 groundwater samples in relation to the supplemental polishing phase soil removal area are shown on Figure 9 and Figure 10. Two-dimensional Geographical Information System (GIS) modeling of the PCE groundwater concentrations is included on Figure 10. As shown for the December 2019 groundwater monitoring event, MW-01 had the highest PCE concentration (820 ug/l). The PCE concentration detected at MW-17A set within the supplemental polishing phase soil removal area (i.e., 28 ug/l) was over 29 times lower than the PCE concentration detected at MW-01.
- The highest TCE, cis-1,2-DCE and trans-1,2-DCE results were detected at MW-01.
- The highest total CVOC concentrations were detected in the groundwater samples from MW-01 (1,008.3 ug/l) and MW-03A (353.4 ug/l) that are located north and south of the supplemental polishing phase soil removal location, respectively.
- The VOCs Benzene; Xylenes; Cyclohexane; and Methylcyclohexane were only detected in the groundwater sample from MW-17A, but at concentrations below TOGS 1.1.1 groundwater standards and guidance values.
- VOC TICs were detected in five of the ten December 2019 groundwater samples at total TIC concentrations ranging between 5.2 ug/l or ppb and 22.1 ug/l or ppb.

Table 6 summarizes the validated field blank and trip blank QA/QC sample results associated with the December 2019 groundwater monitoring event. As shown, the VOC Acetone was detected in the field blank at a concentration of 7.3 ug/l, and no VOCs were detected in the trip blank.

3.10 CONTAMINATION REMAINING AT THE SITE

Some residual contamination remains at the Site in soil and groundwater at concentrations that exceed NYSDEC Part 375 Unrestricted Use SCOs and/or NYSDEC TOGS 1.1.1 groundwater standards or guidance values. Refer to the Site's November 2015 *Remedial Investigation/Alternative Analysis Report* for sample locations exceeding applicable SCOs that are located below the Site cover system.

The remaining contamination will continue to be addressed by the existing engineering control cover system, and by the existing institutional controls (Environmental Easement and Site Management Plan) to protect human health and the environment. Long-term management of the Institutional and/or Engineering Controls and residual contamination is being performed under the Site Management Plan (SMP) approved by the NYSDEC. Specific areas and types of remaining contamination are summarized below.

- Residual PCE-impacted subsurface soil and groundwater are generally present starting at depths greater than 10 to 12 feet bgs within the overburden saturated zone. There is no longer a defined PCE source area at the Site, and the remaining residual PCE contamination is generally present at depth in discrete relatively thin zones. It is anticipated that the remaining PCE in the above media will continue to decrease with time to concentrations below the project Standards, Criteria and Guidance (SCG) values. Specifically, the injected potassium permanganate will remain in the subsurface for an extended period of time allowing the transportation mechanisms (i.e., advection, dispersion and diffusion) to further penetrate the fine-grained media resulting in oxidation and complete mineralization (i.e., destruction) of the chlorinated solvents in the targeted source area and plume area. VOCs remaining in soil, bedrock, or groundwater will continue to be addressed by the institutional controls and the engineering controls that apply to the entire Site. Soil vapor intrusion concerns will be addressed through further monitoring and/or implementation of engineering controls, if deemed necessary.
- Sporadic areas of urban fill and soil across the Site contain concentrations of SVOCs and/or target analyte list (TAL) metals that exceed NYSDEC Part 375 Restricted Residential SCOs and/or Protection of Groundwater SCOs, and this condition will be controlled by the Site's cover system and institutional controls.

3.11 SOIL COVER SYSTEM

Exposure to remaining contamination in soil/fill at the Site is prevented by the existing cover system placed over the entire Site. This cover system is comprised of a minimum of 24 inches of CR2 stone and some concrete-paved areas. The area of the cover system that was disturbed as a result of completing the supplemental polishing phase remedial actions was restored using the existing cover system CR2 stone and additional NYSDEC-approved imported CR2 stone.

3.12 INSTITUTIONAL CONTROLS

Due to contamination remaining at the Site subsequent to completion of the supplemental polishing phase remedial actions, the existing environmental easement and site management plan continue to be required for this Site.

3.13 DEVIATIONS FROM THE SUPPLEMENTAL POLISHING PHASE REMEDIAL ACTIONS WORK PLAN

Subsequent to NYSDEC's August 22, 2019 conditional approval of the August 7, 2019 Supplemental Polishing Phase Remedial Actions Work Plan, deviations were made to the scope of work as the project progressed. The original requirements, the deviations, the reasons for change, the effects of the actions and the regulatory approvals of the actions are presented on Table 7. These deviations did not affect meeting the goals or objectives of the project outlined in the Supplemental Polishing Phase Remedial Actions Work Plan.

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Table 1

300, 304-308, 320 Andrews Street and 25 Evans Street
Rochester, New York
NYSDEC Site #E828144

Supplemental Polishing Phase Remedial Actions

Sample Log

Lab Sample Number	Sample ID	Collection Date	Collection Time	Sampling Method	Depth (ft bgs)	Matrix	MS/MSD Collected	Collection Rationale	Analytical Test Parameters
979	S-1	9/12/2019	11:00	Grab	18-19	Soil	No	Post-Excavation	TCL VOCs and TICs
980	B-1	9/12/2019	10:45	Grab	24	Soil	No	Post-Excavation	TCL VOCs and TICs
981	S-2	9/12/2019	11:15	Grab	20	Soil	No	Post-Excavation	TCL VOCs and TICs
982	S-3	9/13/2019	10:20	Grab	19	Soil	Yes	Post-Excavation	TCL VOCs and TICs
983	B-2	9/13/2019	13:00	Grab	24	Soil	No	Post-Excavation	TCL VOCs and TICs
984	S-4	9/13/2019	15:00	Grab	19	Soil	No	Post-Excavation	TCL VOCs and TICs
985	S-5	9/13/2019	15:10	Grab	19	Soil	No	Post-Excavation	TCL VOCs and TICs
986	B-3	9/13/2019	15:20	Grab	24	Soil	No	Post-Excavation	TCL VOCs and TICs
987	WS-01	9/20/2019	12:33	Grab	NA	Water	No	Waste Characterization	VOCs (624), pH, Oxidizer
988	WS-02	9/20/2019	12:36	Grab	NA	Water	No	Waste Characterization	VOCs (624), pH, Oxidizer
989	Pile 1	9/24/2019	10:10	Grab	NA	Soil	No	Waste Characterization	TCL VOCs and TICs, TCLP VOCs, TCLP Metals
990	Pile 2	9/24/2019	9:50	Grab	NA	Soil	No	Waste Characterization	TCL VOCs and TICs, TCLP VOCs, TCLP Metals
991	MW-01	12/20/2019	13:55	Grab	23	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
992	MW-02	12/20/2019	13:45	Grab	23.8	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
993	MW-03A	12/20/2019	13:48	Grab	17	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
994	MW-05	12/20/2019	14:00	Grab	17	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
995	MW-11	12/20/2019	13:10	Grab	15	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
996	MW-15	12/20/2019	13:29	Grab	17	Ground-water	Yes	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
997	MW-16	12/20/2019	14:14	Grab	22.5	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
998	MW-17A	12/20/2019	14:21	Grab	15.5	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
999	MW-18	12/20/2019	14:26	Grab	21.5	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1000	MW-19	12/20/2019	14:30	Grab	28	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1001	FB122019	12/20/2019	13:23	Grab	NA	Water	No	QA/QC - Field Blank	TCL VOCs and TICs
1002	TB122019	12/20/2019	NA	Grab	NA	Water	No	QA/QC - Trip Blank	TCL VOCs and TICs

Notes

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

NA = Not Applicable

bgs = below ground surface

Ft = Feet

MS/MSD = Matrix Spike/Matrix Spike Duplicate

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

TCLP VOCs - Toxicity Characteristic Leaching Procedure Volatile Organic Compounds via Methods 1311 and 8260

TCLP Metals - Toxicity Characteristic Leaching Procedure Metals via Methods 1311, 6010 and 7470

VOCs (624) - Volatile Organic Compounds via Method 624

Oxidizers via ASTM Method D4981-08

pH via SM22 4500 H+ B

Table 2

300, 304-308, 320 Andrews Street and 25 Evans Street
 Rochester, New York
 NYSDEC Site #E828144

Summary of Detected VOC Results in mg/Kg or Parts per Million (ppm)

Post-Excavation Soil Samples

Detected Constituent	A Unrestricted SCO ⁽¹⁾	B Restricted Residential SCO ⁽¹⁾	C Commercial SCO ⁽¹⁾	D Protection of Groundwater SCO ⁽¹⁾	K4888-01 979-S-1-(18-19) 9/12/2019	K4888-02 980-B-1-(24) 9/12/2019	K4888-03 981-S-2-(20) 9/12/2019	K4939-01 982-S-3-(19) 9/13/2019	K4939-04 983-B-2-(24) 9/13/2019	K4939-05 984-S-4-(19) 9/13/2019	K4939-06 985-S-5-(19) 9/13/2019	K4939-07 986-B-3-(24) 9/13/2019
Acetone	0.05	100	500	0.05	U	U	U	0.009 J	0.011 J	U	0.008 J	U
Carbon Disulfide	NA	NA	NA	2.7	U	U	U	U	U	U	0.0012 J	U
cis-1,2-Dichloroethene	0.25	100	500	0.25	U	U	U	U	U	0.0019 J	0.0324	0.0075
Tetrachloroethene	1.3	19	150	1.3	27.2 D ABD	0.0196	7.4 AD	16.2 D AD	0.0261	13.7 D AD	34.7 D ABD	0.44 JD
Toluene	0.7	100	500	0.7	U	0.0033 J	U	U	U	U	U	U
Trichloroethene	0.47	21	200	0.47	0.11 J	U	0.11 J	0.0075	U	0.0068	0.0226	0.0102
Total VOCs	NA	NA	NA	NA	27.31	0.0229	7.51	16.2165	0.0371	13.7087	34.7642	0.4577
Total TICs ⁽²⁾	NA	NA	NA	NA	14.85	0.0109	2.51	U	U	U	U	U
Total VOCs and TICs ⁽²⁾	NA	NA	NA	NA	42.16	0.0338	10.02	16.2165	0.0371	13.7087	34.7642	0.4577

U = Not detected

J = Estimated Value

D = Data reported from a dilution

TICs = Tentatively Identified Compounds

VOC = Volatile Organic Compound

NA = Not available

Results of Data Usability Report have been incorporated

(1) Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/10

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

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

A = Concentration Exceeds Unrestricted Use SCO

B = Concentration Exceeds Restricted Residential Use SCO

C = Concentration Exceeds Commercial Use SCO

D = Concentration Exceeds Protection of Groundwater SCO

Table 3

300, 304-308, 320 Andrews Street and 25 Evans Street
 Rochester, New York
 NYSDEC Site #E828144

Waste Disposal Tracking Log
 Supplemental Polishing Phase Remedial Actions

Item	Waste Stream Description	Waste Quantity	Staging Area Location	Date Generated (Excavated)	Waste Char. Sample Collection Date	Waste Char. Sample ID	Waste Char. Testing Parameters	Type of Waste	Waste Transporter	Waste Disposal Facility	Date of Waste Disposal
1	Excavation Water, and Water from Frac Tank Cleaning	9,600 Gallons	21,000-Gallon Frac Tank Staged on Northwest Portion of Site	9/13/2019 to 9/16/2019	9/20/2019	987-WS-01 and 988-WS-02	Purgeable VOC Organics, pH, Oxidizers	Non-Hazardous	Not Applicable	MCPW Combined Sewer Discharge (Permit ST-371)	10/10/2019 to 10/22/2019
2	Water from Decontamination Pad	50 Gallons	Temporary Storage in Drums on Flatbed Truck Prior to Discharge	10/11/2019	See Footnote A	See Footnote A	See Footnote A	Non-Hazardous	Not Applicable	MCPW Combined Sewer Discharge (Permit ST-371)	10/11/2019
3	PCE-Contaminated Soil, Well Decommissioning Materials, Disposable PPE, and Staging Area Materials	547.14 Tons	Lined Staging Area	9/9/2019 to 10/10/2019	9/24/2019	989-Pile-1 and 990-Pile-2	TCL VOCs and TICs, TCLP VOCs, TCLP Metals	Non-Hazardous	M.J. Dreher (8A-554)	High Acres Landfill (Profile 110197NY)	10/9/2019 and 10/10/2019
4	Decontamination Pad Materials	27.90 Tons	Not Applicable	10/11/2019	See Footnote B	See Footnote B	See Footnote B	Non-Hazardous	M.J. Dreher (8A-554)	High Acres Landfill (Profile 110197NY)	10/11/2019
5	Frac Tank Solids	0.66 Tons	Not Applicable	10/22/2019	See Footnote B	See Footnote B	See Footnote B	Non-Hazardous	TREC (8A-1053)	High Acres Landfill (Profile 110197NY)	10/22/2019

A The analytical laboratory test results for the Item 1 waste characterization sample also represent Item 2.

B The analytical laboratory test results for the Item 3 waste characterization samples also represent Item 4 and Item 5.

Table 4

**300, 304-308, 320 Andrews Street and 25 Evans Street
Rochester, New York
NYSDEC Site #E828144**

Static Water Levels and Calculated Groundwater Elevations

Monitoring Well ID	Ground Elevation (ft) ⁽¹⁾	TOC Elevation (ft)	12/6/2019	
			SWL (ft TOC)	Groundwater Elevation
MW-01	527.79	527.44	10.93	516.51
MW-02	528.03	527.84	11.73	517.64
MW-03A	528.41	530.89	9.35	521.54
MW-04	527.52	530.19	12.51	517.68
MW-05	527.83	530.75	12.22	518.53
MW-06	527.86	530.49	11.56	518.93
MW-07	528.38	530.95	12.40	518.55
MW-11	520.70	520.48	4.83	515.65
MW-15	527.62	530.29	13.06	517.23
MW-16	528.31	530.81	15.58	515.23
MW-17A	527.75	529.71	11.53	518.18
MW-18	527.24	529.81	12.17	517.64
MW-19	527.82	530.31	13.76	516.55
MW-20	528.01	530.51	12.21	518.30

Notes

Monitoring Wells listed are overburden groundwater monitoring wells.

Ft TOC = Feet below top of casing

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

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

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

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

Post-Excavation Performance
Monitoring Event***

Table 5

300, 304-308, 320 Andrews Street and 25 Evans Street
 Rochester, New York
 NYSDEC Site #E828144

Summary of Detected VOCs in ug/L or ppb

Contaminant	X Groundwater Standard or Guidance Value	991 MW-01 12/20/19 PDB 23.0 ft	992 MW-02 12/20/19 PDB 23.8 ft	993 MW-03A 12/20/19 PDB 28.0 ft	994 MW-05 12/20/19 PDB 17.0 ft	995 MW-11 12/20/19 PDB 15.0 ft	996 MW-15 12/20/19 PDB 17.0 ft	997 MW-16 12/20/19 PDB 22.5 ft	998 MW-17A 12/20/19 PDB 15.5 ft	999 MW-18 12/20/19 PDB 21.5 ft	1000 MW-19 12/20/19 PDB 28.0 ft
Acetone	50	U	U	U	U	U	U	U	U	9.3 JH	U
Benzene	1	U	U	U	U	U	U	U	0.51 J	U	U
Cis-1,2-Dichloroethene	5	84.3 X	36 X	29.4 X	U	4.2	U	U	69.6 X	U	0.5 J
trans-1,2-Dichloroethene	5	2.8	1.2	U	U	U	U	U	1.9	U	U
Tetrachloroethene	5	820 D X	57.5 X	290 D X	28.1 X	220 D X	0.55 J	2.5	28 X	4.7	1.1
Xylenes (Total)	5	U	U	U	U	U	U	U	0.32 J	U	U
Trichloroethene	5	100 X	34.3 X	34 X	0.76 J	7.3 X	U	0.62 J	26.6 X	0.97 J	0.69 J
Vinyl Chloride	2	1.2	1.6	U	U	U	U	U	2.3 X	U	U
Cyclohexane	NA	U	U	U	U	U	U	U	3.9 J	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	1.7	U	U
Total VOCs		1008.3	130.6	353.4	28.86	231.5	0.55	3.12	134.83	14.97	2.29
Total TICs ⁽¹⁾		U	5.4	U	U	U	6.9	U	22.1	6.7	5.2
Total VOCs and TICs ⁽¹⁾		1008.3	136	353.4	28.86	231.5	7.45	3.12	156.93	21.67	7.49

U = Not Detected ug/L = micrograms per Liter or parts per billion (ppb).

J = Estimated value JH = Estimated high value

NA = Not Available PDB - Passive Diffusion Bag

TIC = Tentatively Identified Compound

VOC = Volatile Organic Compound

X = Exceeds Groundwater Standard or Guidance Value.

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

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

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

991	Sample ID
MW-01	Sample Location
12/20/2019	Sample Date
PDB 23.0 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6

**300, 304-308, 320 Andrews Street and 25 Evans Street
Rochester, New York
NYSDEC Site #E828144**

Summary of Detected VOCs in ug/L or ppb

December 2019 QA/QC Samples

Contaminant	1001 FB122019 12/20/19	1002 TB122019 12/20/19
Acetone	7.3	U
Carbon Disulfide	U	U
Chloroform	U	U
Bromodichloromethane	U	U
Dibromochloromethane	U	U
2-Butanone	U	U
Tetrachloroethene	U	U
Methylene Chloride	U	U
4-Methyl-2-Pentanone	U	U
Cyclohexane	U	U
Total VOCs	7.3	0
Total TICs ⁽¹⁾	9.6	U
Total VOCs and TICs ⁽¹⁾	16.9	0

Notes

QA/QC = Quality Assurance/Quality Control

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

U = Not Detected

J = Data indicates the presence of a compound

VOC = Volatile Organic Compound

TIC = Tentatively Identified Compound

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

Results of DUSR incorporated on analytical laboratory data

1001	Sample ID
FB122019	Sample Location
12/20/19	Sample Date

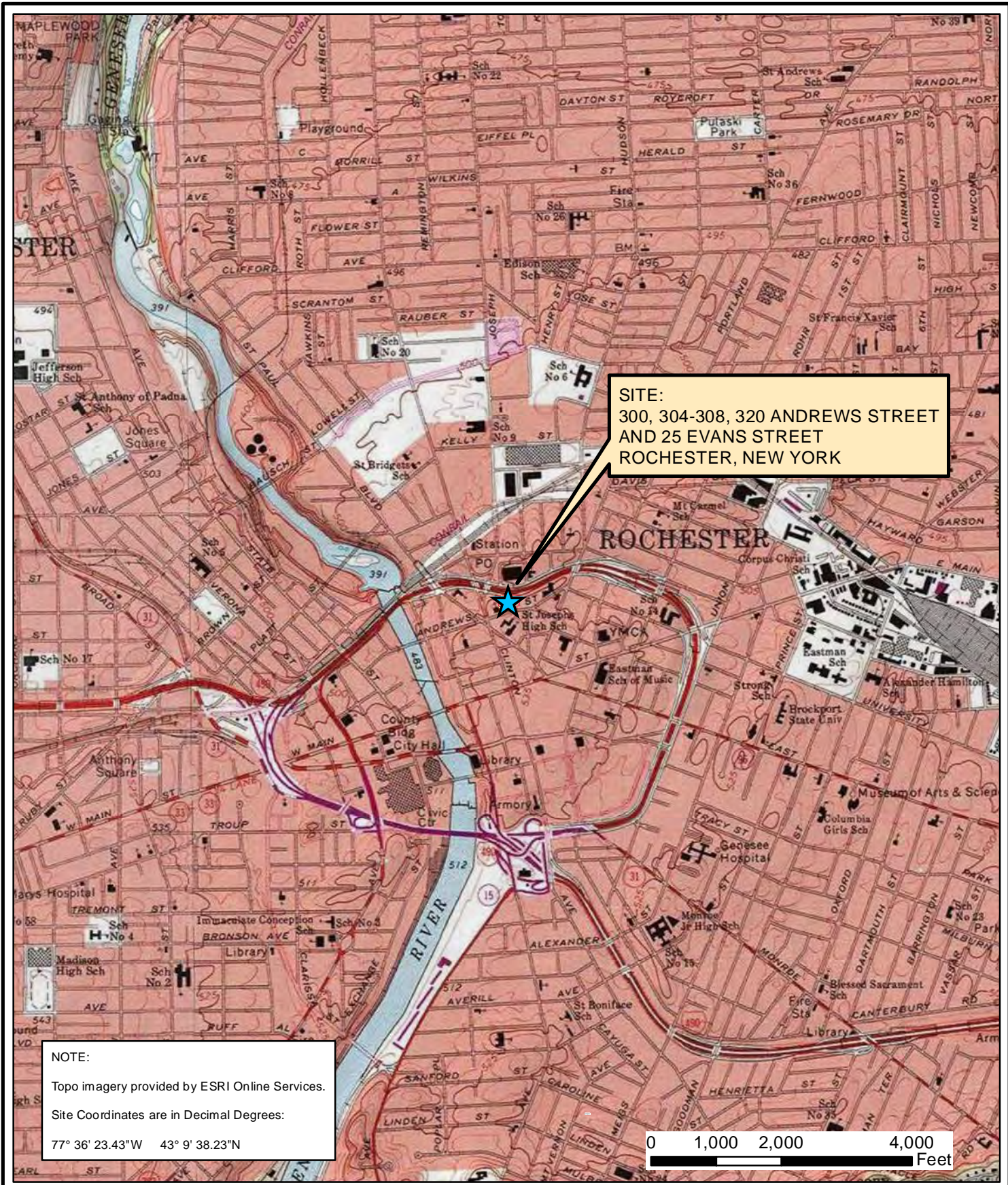
Table 7

300, 304-308, 320 Andrews Street and 25 Evans Street
 Rochester, New York
 NYSDEC Site #E828144

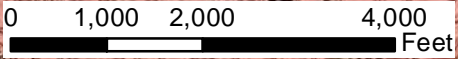
Deviations to Supplemental Polishing Phase Remedial Actions Work Plan

Work Plan Section	Action in Work Plan	Revised Plan/Action	Justification
2.2 - Site Preparation	Figure 6 of the work plan identifies the anticipated layout of the Site during supplemental polishing phase remedial activities	Staging area layout/location and decontamination pad location were modified from those shown on Figure 6	The modifications were requested by the remediation contractor to allow more efficient use of the Site during the fieldwork. The modifications were approved by the NYSDEC Project Manager during a September 3, 2019 on-site kick-off meeting.
2.2 - Site Preparation	Staging area liner to be constructed of 3-inch layer of imported pea stone overlain by 25 mil thick poly plastic liner	Staging area liner consisted of Mirafi geotextile fabric overlain by 60-mil thick poly plastic liner.	Geotextile fabric and 60 mil liner are readily available, and remediation contractor was concerned that pea stone would prematurely wear the liner. These modifications were approved by the NYSDEC Project Manager during a September 3, 2019 on-site kick-off meeting.
2.2 - Site Preparation	Decontamination pad to be constructed of 3-inch layer of imported pea stone overlain by 60 mil thick poly plastic liner	Decontamination pad consisted of Mirafi geotextile fabric overlain by 60-mil poly plastic liner.	Geotextile fabric and 60 mil liner are readily available, and remediation contractor was concerned that pea stone would prematurely wear the liner. These modifications were approved by the NYSDEC Project Manager during a September 3, 2019 on-site kick-off meeting.
2.2 - Site Preparation	Modification/clarification #5 of the August 22, 2019 NYSDEC letter indicated injection wells IW-14, IW-15, IW-17, IW-19 and IW-21 located within the sloped/benched area and the sloped/benched ramp area need to be decommissioned per CP-43	Injection wells IW-17 and IW-19 were not decommissioned since the sloped ramp area was repositioned	The repositioning of the sloped ramp area was requested by the remediation contractor to allow more efficient use of the Site during the fieldwork. These modifications were approved by the NYSDEC Project Manager during a September 3, 2019 on-site kick-off meeting.
2.2 - Site Preparation	Modification/clarification #4 of the August 22, 2019 NYSDEC letter indicated soil piles to be covered with a minimum of 12-mil poly sheeting	Covering of soil piles changed from two layers of 6-mil poly sheeting to one layer of reinforced 10-mil poly sheeting	Reinforced 10 mil poly sheeting is readily available, easier to install/maintain, and provides the same level of cover protection. This modification was approved by the acting NYSDEC Project Manager on September 11, 2019.
2.6 - Excavation Dewatering, Treatment, and Disposal	One sample of excavation water staged in the frac tank was to be collected and submitted for waste characterization analytical laboratory testing.	Two samples of excavation water staged in the frac tank were collected and submitted for waste characterization analytical laboratory testing. One of the samples was collected near the top of the water in the frac tank, and the second water sample was collected near the bottom of the frac tank.	The two samples were collected to confirm that the water column in the tank contained similar levels of VOCs.
2.6 - Excavation Dewatering, Treatment, and Disposal	Frac tank water waste characterization samples were to be tested by Chemtech located in Mountainside, New Jersey.	Frac tank water waste characterization samples were tested by Paradigm Environmental Services located in Rochester, New York.	Paradigm was selected in order to expedite delivery and testing of the waste characterization water samples.
2.7 - Backfilling and Installation of ISCO Polishing Hardware	Backfill was to be placed and compacted in one-foot lifts or less with a goal of achieving 95% compaction to the extent possible.	Backfill from 24 ft. bgs to 9 ft. bgs was placed and compacted using the excavator bucket and no compaction testing was conducted for this backfilled interval. Backfill from 9 ft. bgs to the ground surface was compacted using a vibratory roller and compaction testing was completed daily.	The excavation was not safe to enter with the vibratory roller until a depth of 9 ft. or less was achieved.
2.7 - Backfilling and Installation of ISCO Polishing Hardware	A minimum 1-foot thick layer of imported crushed stone was to be placed in the bottom of the excavation and ISCO hardware was to be placed with in the layer of crushed stone.	A layer of imported crushed stone was not placed at the bottom of the excavation. The excavation was backfilled with re-useable Site soil and imported crushed stone was used around horizontal perforated ISCO piping that was placed at depths ranging 15 and 20 feet bgs.	Areas of the excavation that had the highest field evidence of residual VOC contamination (e.g., elevated PID readings, odors) was along sidewalls at depths between 15 and 20 ft. bgs. These areas were targeted for placement of the perforated ISCO piping.
2.8 - Post-Excavation ISCO Treatment	385 pounds of 97% pure potassium permanganate mixed with 950 gallons of potable water (i.e., approximately 960 gallons of injectate) was to be pumped directly into the excavation or through the ISCO polishing PVC hardware that was installed in the excavation.	Approximately 890 gallons of injectate was pumped through the ISCO polishing PVC hardware that was installed in the excavation. Approximately 15 gallons each of injectate was pumped to existing monitoring wells MW-01 and MW-03A. Approximately 5 gallons each of injectate was pumped to existing injection wells IW-1, IW-4A, IW-8, IW-9, IW-17, IW-18, IW-19 and IW-20.	Including injection of small volumes of injectate at the specified monitoring wells and injection wells assists with polishing of contaminants beyond the limits of the supplemental polishing phase excavation. ISCO polishing at these monitoring wells and injection wells was presented in an ISCO Polishing Work Plan dated November 7, 2017, which was approved by the NYSDEC in a letter dated November 22, 2017.
2.9 - Characterize, Transport and Dispose Contaminated Soil	Waste characterization soil samples were to be tested by Chemtech located in Mountainside, New Jersey.	Waste characterization soil samples were tested by Paradigm Environmental Services located in Rochester, New York.	Paradigm was selected in order to expedite delivery and testing of the waste characterization soil samples.
2.11 - Installation and Development of New Monitoring Well	Advance boring for replacement well MW-17A to 20 feet bgs with hollow stem augers, then collect 2 foot split spoon samples ahead of hollow stem augers from 20 to 30 feet bgs	Advanced boring for replacement well MMW-17A to 25 feet bgs with hollow stem augers, and collected no 2-foot split spoon samples	The bottom of original well MW-17 was at 25 feet bgs, and the location of the replacement well MW-17A had been excavated to a depth of 24 ft bgs and subsequently backfilled, making split spoon sampling unnecessary. These modifications were approved by the NYSDEC Project Manager in an email dated October 2, 2019.
2.12 - Post-Excavation Performance Groundwater Monitoring Event	Completion of a Data Usability Summary Report (DUSR) on the analytical laboratory data for this monitoring event was not planned.	A DUSR was completed on the analytical laboratory data for this monitoring event.	Acetone was detected in some of the field samples and also the accompanying QA/QC field blank sample. As such, it was beneficial to have the Acetone results qualified for the affected field samples.

FIGURES



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



Date	02-04-2020
Drawn By	CPS
Scale	AS NOTED

day
DAY ENGINEERING, P.C.
 Environmental Engineering Consultants
 Rochester, New York 14606
 New York, New York 10016-0701

Project Title	300, 304-308, 320 ANDREWS STREET AND 25 EVANS STREET ROCHESTER, NEW YORK (NYSDEC SITE NO.: E828144)
Project No.	5334S-17
Drawing Title	ENVIRONMENTAL RESTORATION PROJECT
	FIGURE 1
	Project Locus Map

Project No.	5334S-17
	FIGURE 1



Legend

Andrews Street ERP Site



PROJECT MANAGER	JAD	DATE	01-2020
DRAWN BY	CPS	DATE DRAWN	01-2020
SCALE	AS NOTED	DATE ISSUED	01-20-2020

day
DAY ENGINEERING, P.C.
 Environmental Engineering Consultants
 Rochester, New York 14606
 New York, New York 10170

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

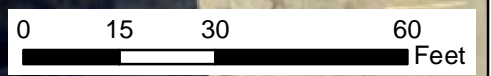
ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

Drawing Title
 Site Plan

NOTES:

Base mapping data provided by City of Rochester and Monroe County. This information should be considered approximate.

Aerial imagery provided by Monroe County, dated 2018. This image may not reflect the most recent conditions on the site.

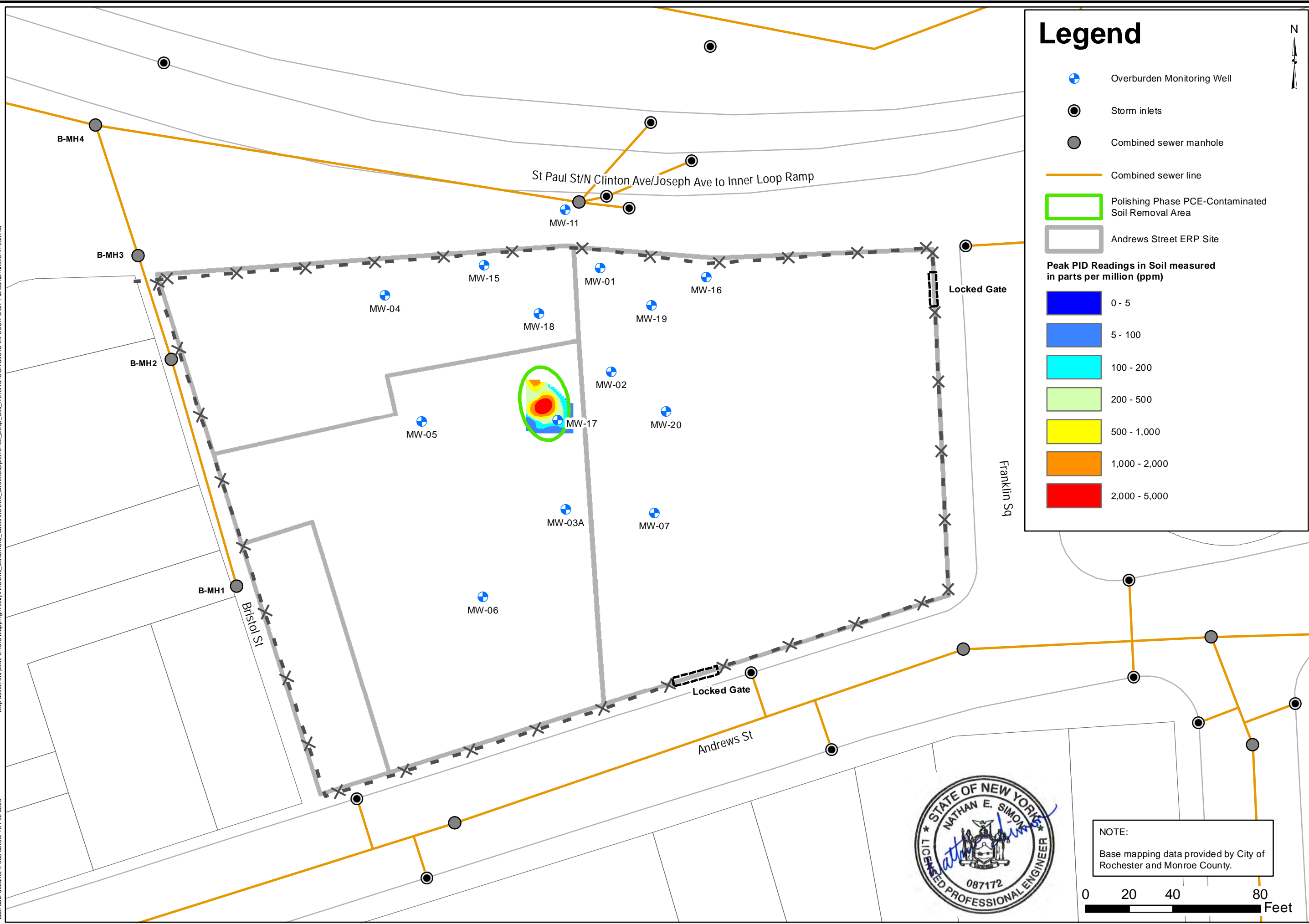


Document Path: E:\GIS Mapping\Rocky Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Soil_Removal\CCR\5334S-02-SDSR-CCR-SitePlan.mxd

Project No.
 5334S-17

FIGURE 2

Map document path: E:\GIS Mapping\Rocky\Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Soil_Removal\CCR634S-03-SDSR-CCR-PID ContaminationArea.mxd
Last date document was saved: 18 Feb 2020



Legend

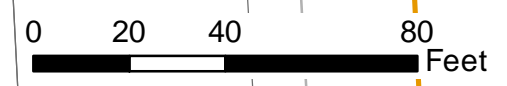
- Overburden Monitoring Well
- Storm inlets
- Combined sewer manhole
- Combined sewer line
- Polishing Phase PCE-Contaminated Soil Removal Area
- Andrews Street ERP Site

Peak PID Readings in Soil measured in parts per million (ppm)

- 0 - 5
- 5 - 100
- 100 - 200
- 200 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 5,000



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



PROJECT MANAGER	JAD	DATE	01-2020
DRAWN BY	CPS	DATE DRAWN	01-2020
SCALE	AS NOTED	DATE ISSUED	01-23-2020

day ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

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

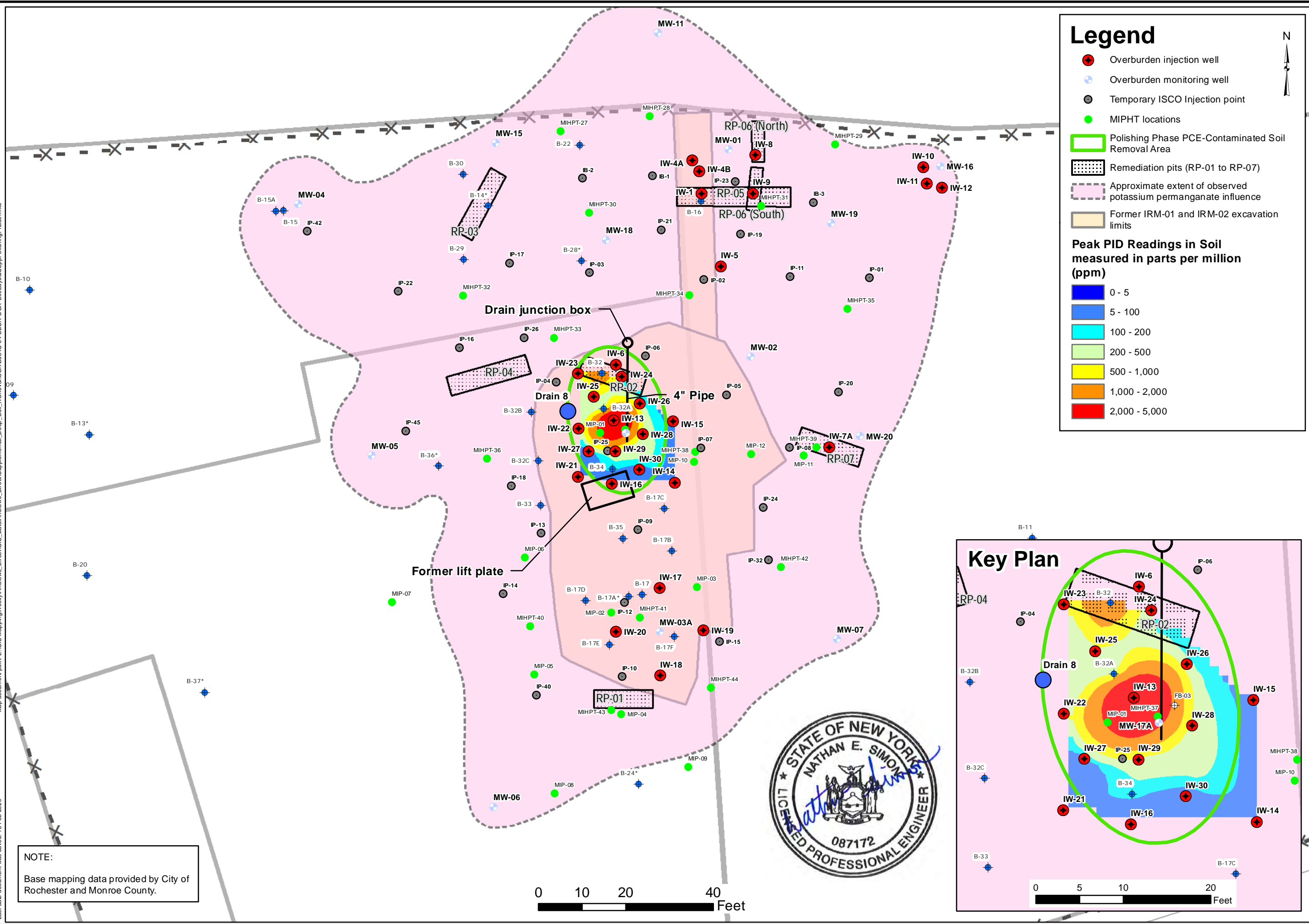
ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

Drawing Title
Peak Photoionization Detector (PID) Readings on Soil Samples at
Localized PCE-Contaminated Area

Project No.
5334S-17

FIGURE 3

Map document path: E:\GIS Mapping\Rocky\Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Soil_Removal\ICR6334S-04-SDSR-COR-StreetLayoutSuppolishingPhase.mxd



Legend

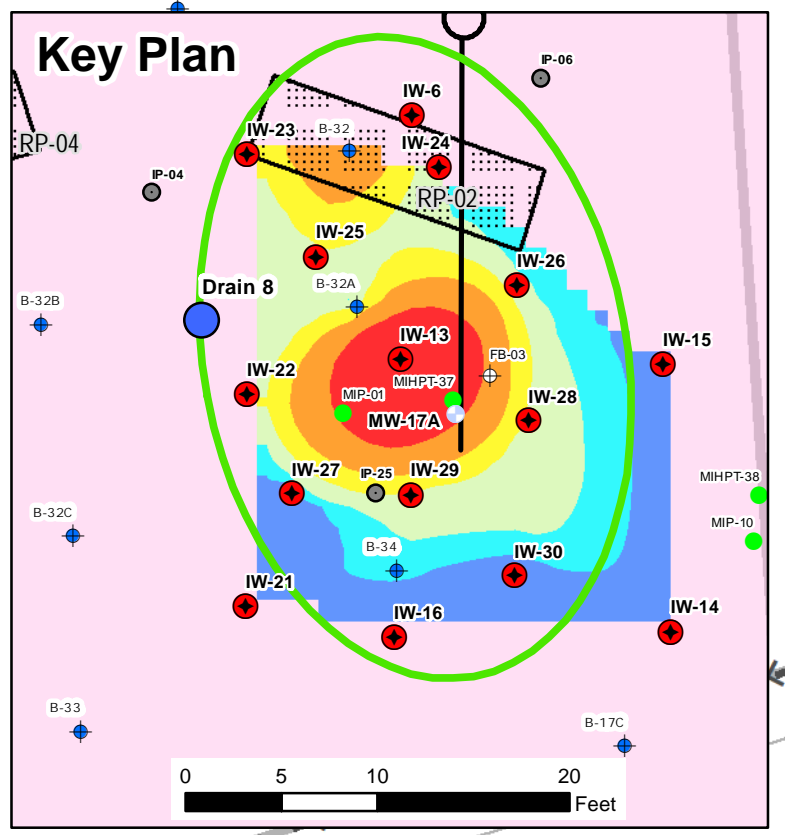
- Overburden injection well
- Overburden monitoring well
- Temporary ISCO Injection point
- MIPHT locations
- Polishing Phase PCE-Contaminated Soil Removal Area
- Remediation pits (RP-01 to RP-07)
- Approximate extent of observed potassium permanganate influence
- Former IRM-01 and IRM-02 excavation limits

Peak PID Readings in Soil measured in parts per million (ppm)

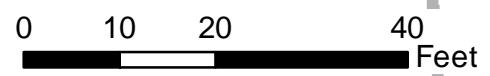
- 0 - 5
- 5 - 100
- 100 - 200
- 200 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 5,000

PROJECT MANAGER	JAD	DATE	01-2020
DRAWN BY	CPS	DATE DRAWN	01-2020
SCALE	AS NOTED	DATE ISSUED	01-23-2020

day DAY ENGINEERING, P.C.
 Environmental Engineering Consultants
 Rochester, New York 14606
 New York, New York 10170



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



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

ENVIRONMENTAL RESTORATION PROJECT NYSDCR SITE NO.: E828144










Drawing Title
 Previous Remedial Measures in Relation to Localized
 PCE-Contaminated Area

Project No.
 5334S-17

FIGURE 4

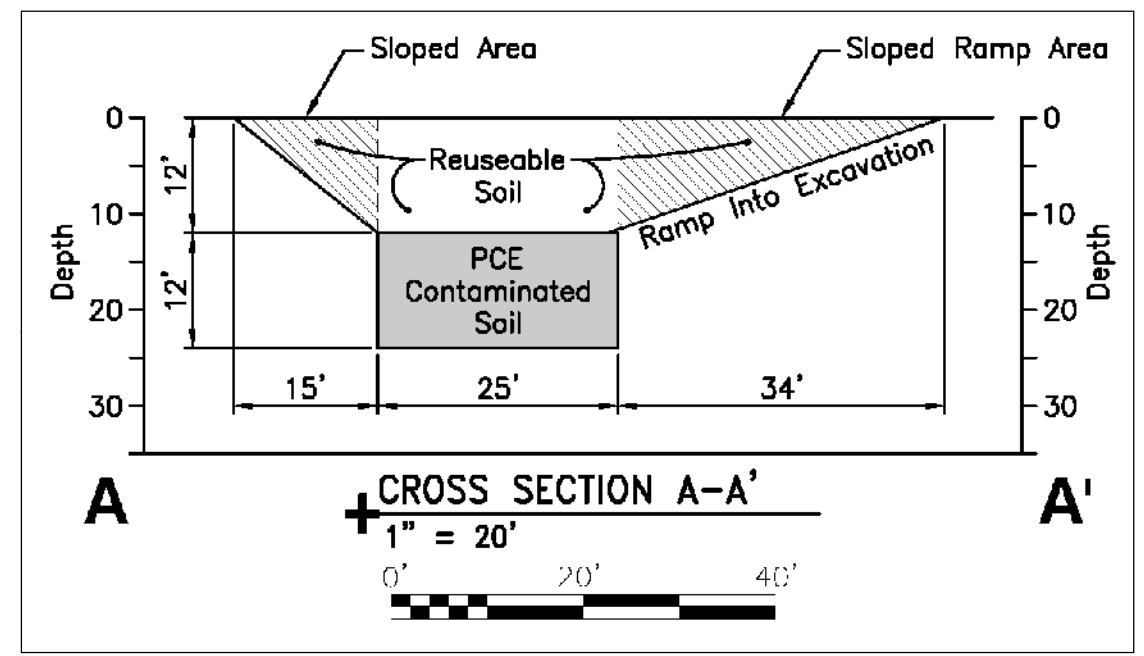
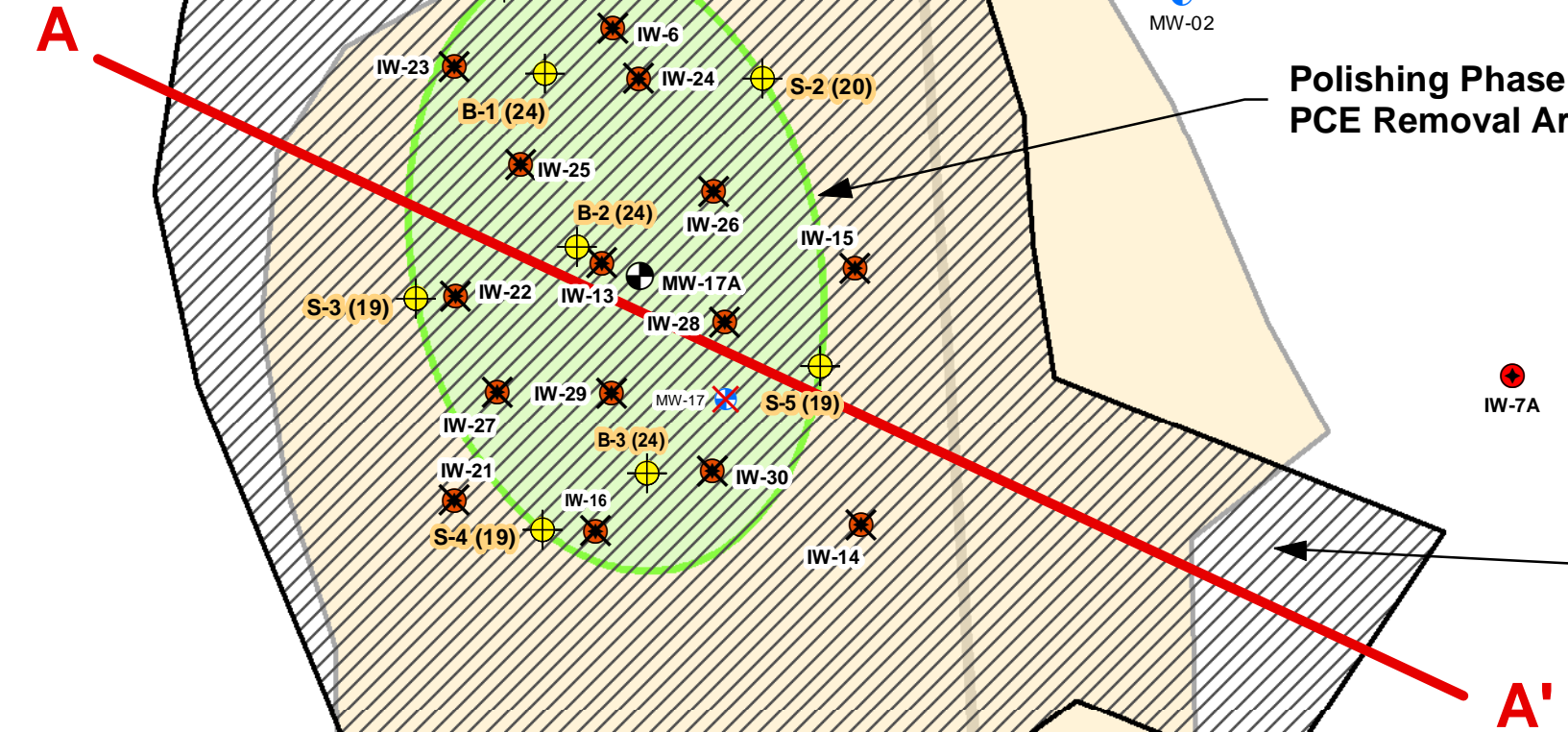
Map document path: E:\GIS Mapping\Rocky\Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Soil_Removal\ICR6345-05-SDSR-CR-DecommissionWellsPostExcSamples.mxd
Last date document was saved: 04 Feb 2020

Legend

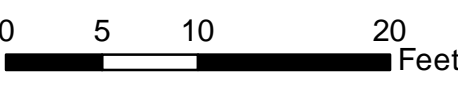
-  Post-Excavation Soil Sample
-  Replacement Overburden Monitoring Well
-  Overburden Injection Well
-  Overburden Monitoring Well
-  Decommissioned Overburden Injection Well
-  Decommissioned Overburden Monitoring Well
-  Polishing Phase PCE-Contaminated Soil Removal Area
-  Former IRM-01 and IRM-02 Excavation Limits
-  Approximate Extent of Reuseable Soil Removed

PROJECT MANAGER	JAD	DATE	01-2020
DRAWN BY	CPS	DATE DRAWN	01-2020
SCALE	AS NOTED	DATE ISSUED	01-23-2020

day ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170



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



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

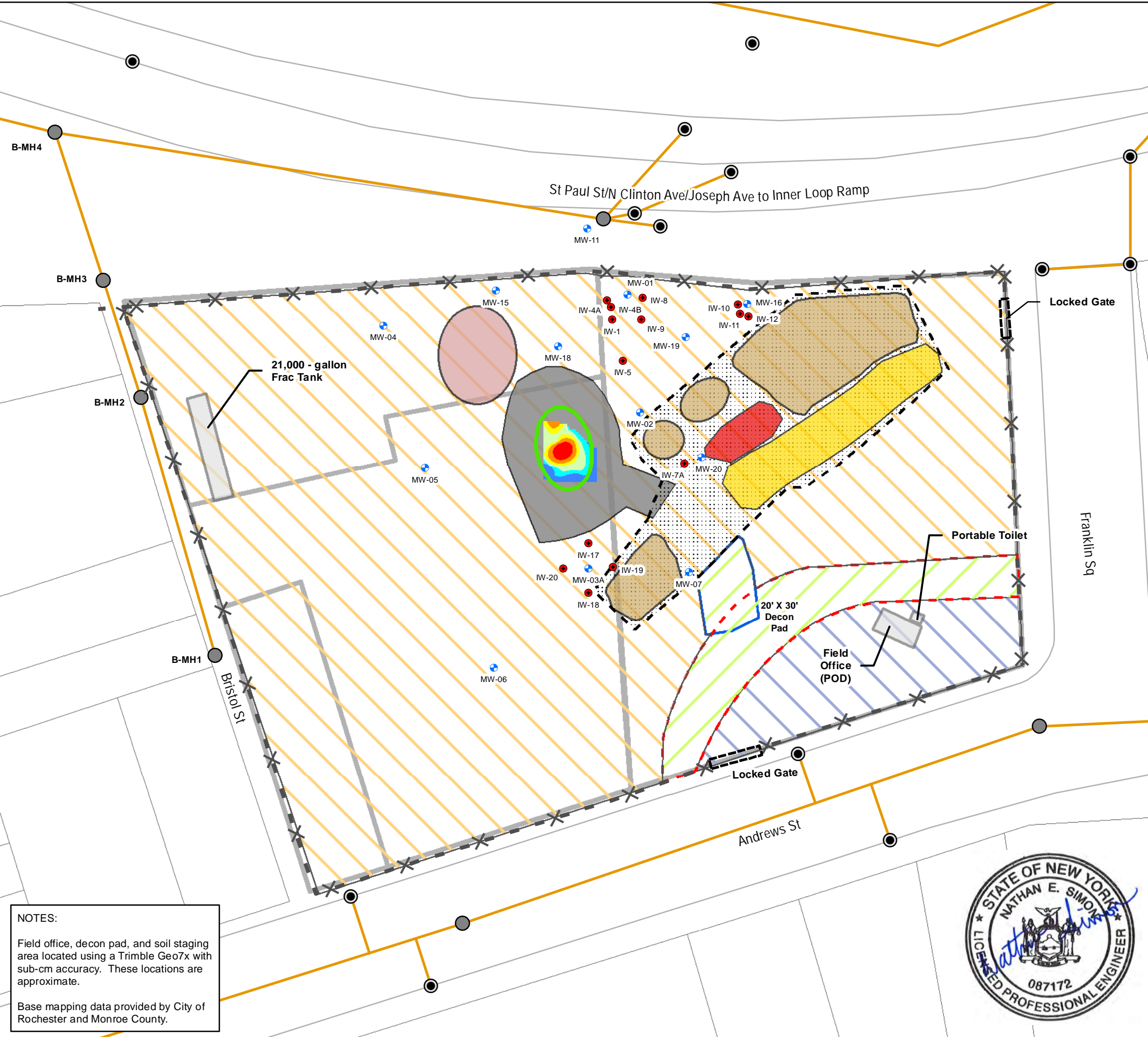
ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

Drawing Title
Site Plan with Decommissioned Wells, Post-Excavation
Soil Sample Locations, and Excavation Cross-Section

Project No.
5334S-17

FIGURE 5

Map document path: E:\GIS Mapping\Rocky\Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Soil_Removal\ICR6334S-06-SDSR-COR-UpdatedSitePlan.mxd
Last date document was saved: 19 Feb 2020



Legend

- Overburden Injection Well
 - Overburden Monitoring Well
 - Storm inlets
 - Combined sewer manhole
 - Combined sewer line
 - Staged Reuseable Cover Material
 - Staged Reuseable Soil (To be used under cover material)
 - Pile 1: Staged PCE Contaminated Soil with PID readings < 1,000 ppm
 - Pile 2: Staged PCE Contaminated Soil with PID readings ≥ 1,000 ppm
 - Site features
 - Soil staging area
 - Polishing Phase PCE-Contaminated Soil Removal Area
 - Approximate Extent of Reuseable Soil Removed
 - Decon pad
 - Exclusion Zone
 - Contamination Reduction Zone
 - Support Zone
 - Andrews Street ERP Site
- Peak PID Readings in Soil measured in parts per million (ppm)**
- 0 - 5
 - 5 - 100
 - 100 - 200
 - 200 - 500
 - 500 - 1,000
 - 1,000 - 2,000
 - 2,000 - 5,000
- 0 20 40 80
Feet

NOTES:
Field office, decon pad, and soil staging area located using a Trimble Geo7x with sub-cm accuracy. These locations are approximate.
Base mapping data provided by City of Rochester and Monroe County.



PROJECT MANAGER	JAD	DATE	02-2020
DRAWN BY	CPS	DATE DRAWN	02-2020
SCALE	AS NOTED	DATE ISSUED	02-04-2020

day
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

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

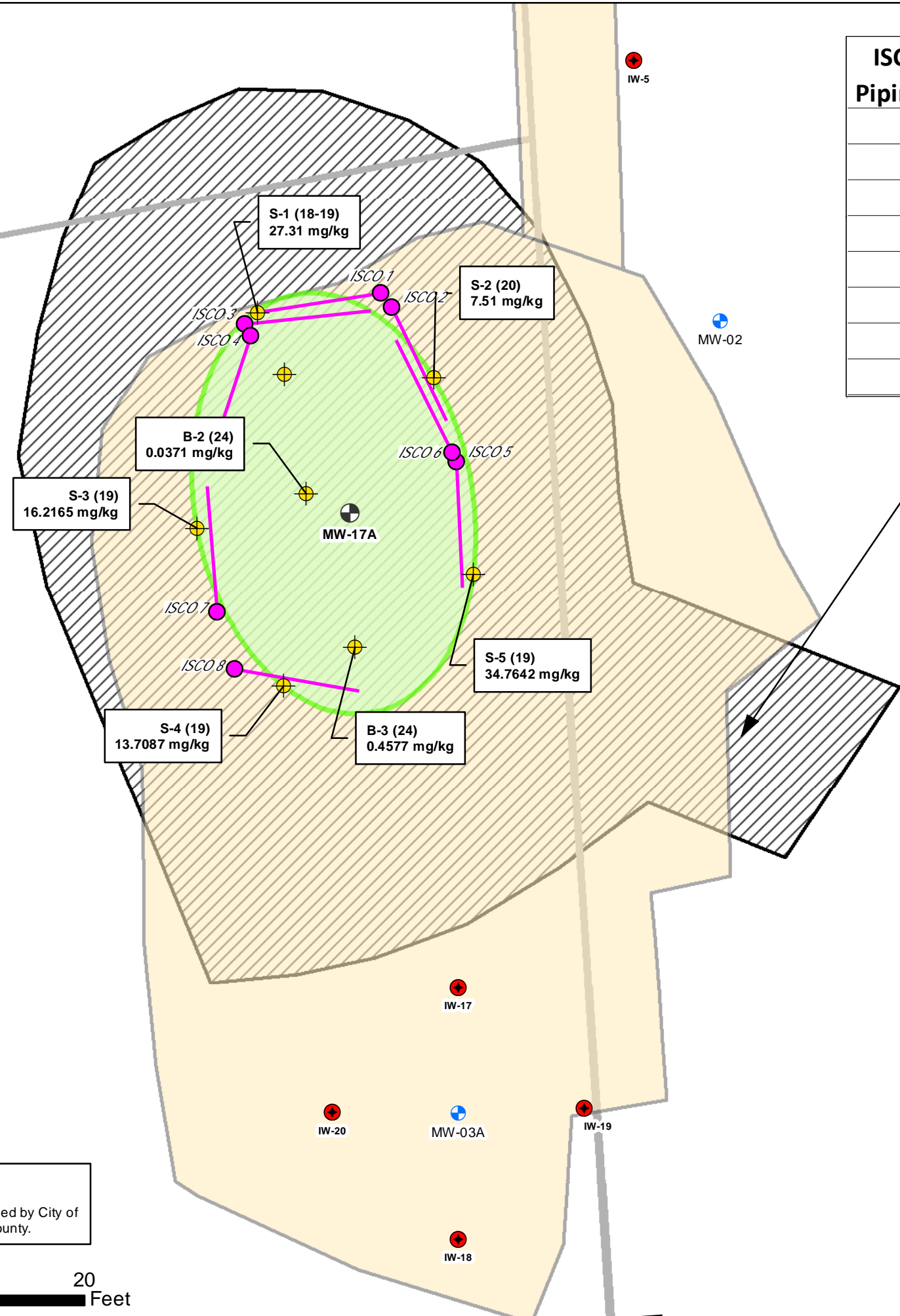
ENVIRONMENTAL RESTORATION PROJECT NYSDCR SITE NO.: E828144

Project No.
5334S-17

Site Layout for Supplemental Polishing Phase Remedial Actions

FIGURE 6

Map document path: E:\GIS Mapping\Rocky\Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Soil_Removal\ICR63345-07-SDSR-COR-ISCO_Treatment.mxd
Last date document was saved: 19 Feb 2020



ISCO Treatment Piping (Horizontal)	Depth Below Ground Surface (ft)
ISCO-1	20.0
ISCO-2	20.0
ISCO-3	16.0
ISCO-4	16.0
ISCO-5	17.0
ISCO-6	15.0
ISCO-7	17.0
ISCO-8	17.0

Legend

- Solid ISCO Treatment Riser
- Perforated ISCO Treatment Piping
- ⊙ Post-Excavation Soil Sample with Sample Depth in Feet in Parentheses, and Total TCL VOCs in mg/kg
- ⊕ Replacement Overburden Monitoring Well
- ⊕ Overburden Injection Well
- ⊕ Overburden Monitoring Well
- Polishing Phase PCE-Contaminated Soil Removal Area
- Approximate Extent of Reuseable Soil Removed
- Former IRM excavation limits

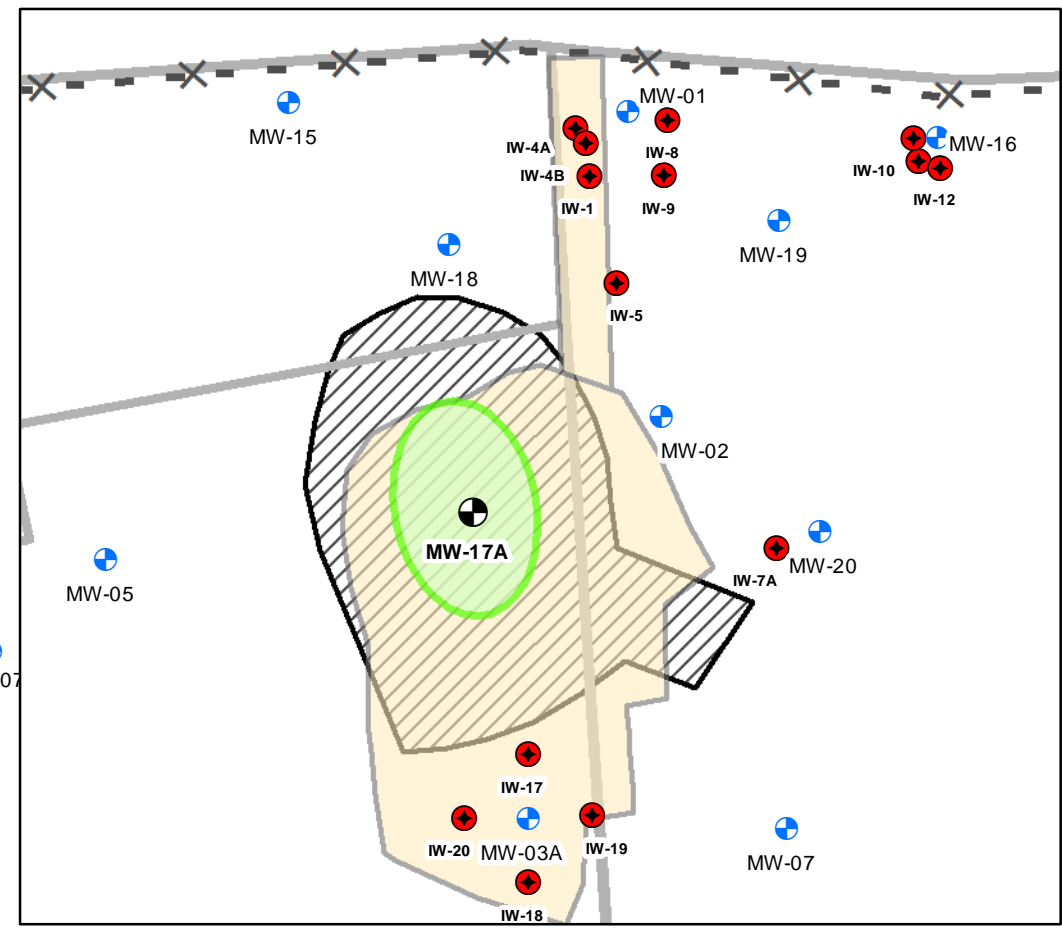
PROJECT MANAGER	JAD	DATE	02-2020
DRAWN BY	CPS	DATE DRAWN	02-2020
SCALE	AS NOTED	DATE ISSUED	02-11-2020

day
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

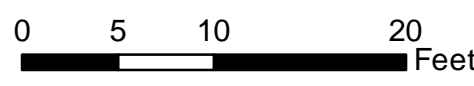


Sloped Ramp Area

Key Plan



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



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

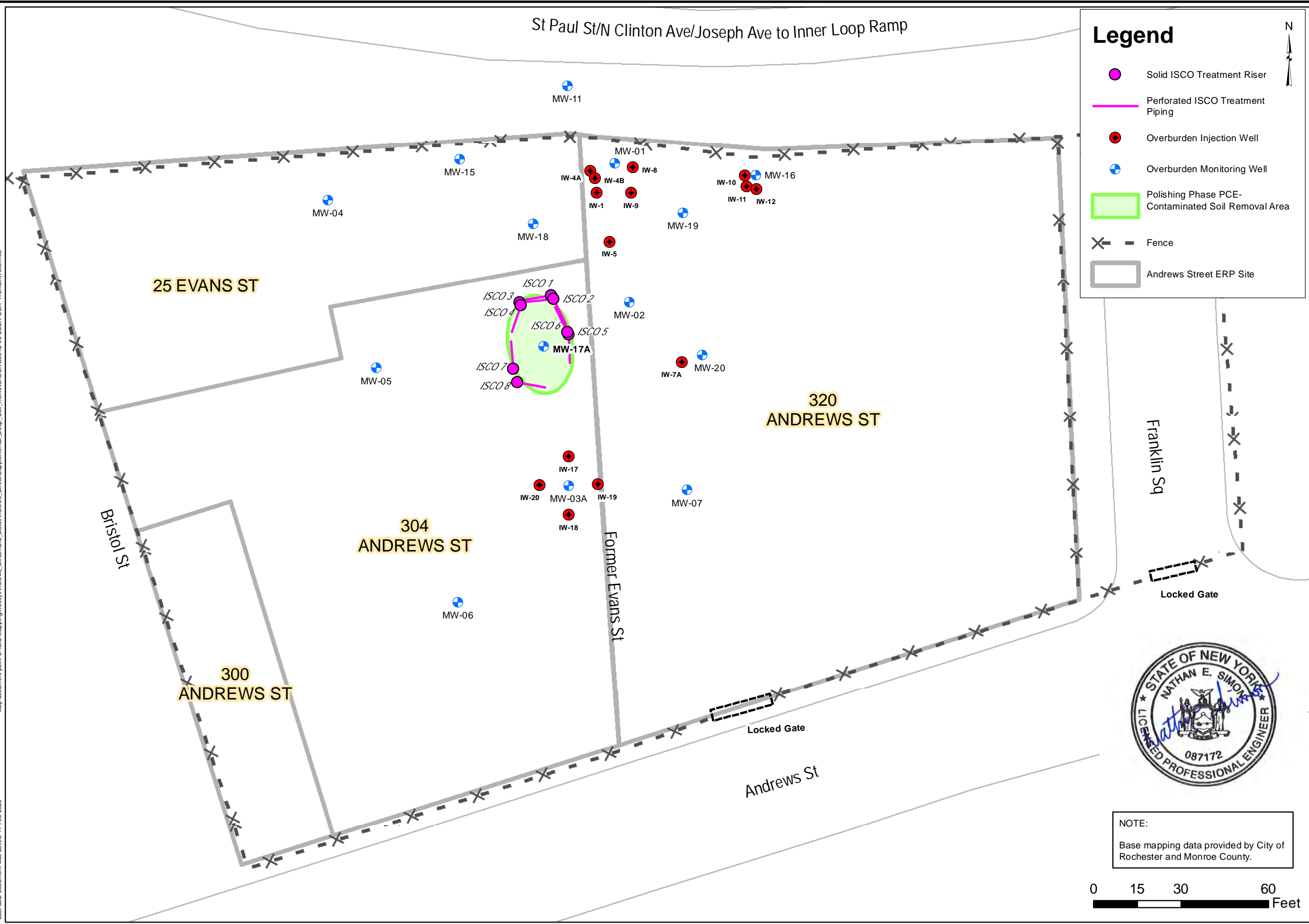
ENVIRONMENTAL RESTORATION PROJECT NYSDC SITE NO.: E828144

Drawing Title
Site Plan with ISCO Treatment Piping Locations and Post-Excavation Soil Sample Locations

Project No.
5334S-17

FIGURE 7

Map document path: E:\GIS Mapping\Rocky\Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Soil_Removal\ICR6334S-08-SDSR-COR-RemainWells.mxd
Last date document was saved: 11 Feb 2020



Legend

- Solid ISCO Treatment Riser
- Perforated ISCO Treatment Piping
- Overburden Injection Well
- Overburden Monitoring Well
- Polishing Phase PCE-Contaminated Soil Removal Area
- Fence
- Andrews Street ERP Site

PROJECT MANAGER	JAD	DATE	02-2020
DRAWN BY	CPS	DATE DRAWN	02-2020
SCALE	AS NOTED	DATE ISSUED	02-11-2020

day
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 Environmental Engineering Consultants
 Rochester, New York 14606
 New York, New York 10170

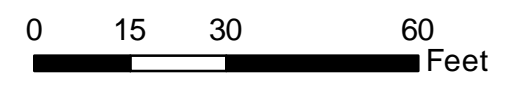
Project Title
 300, 304-308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

Drawing Title
 Site Plan with Remaining Monitoring Wells, Injection Wells and
 ISCO Treatment Piping



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



Project No.
 5334S-17

FIGURE 8



Legend

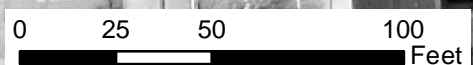
- MW-11
515.65 ft
220 (15 ft)
 - Groundwater contour interval 1 ft
 - Polishing Phase PCE-Contaminated Soil Removal Area
 - Former Evans Street right-of-way (Officially abandoned by the City of Rochester in March 2013)
 - Andrews Street ERP Site
 - December 6, 2019 groundwater flow
- NT = Not Tested



NOTES:

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

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



DATE	01-2020
PROJECT MANAGER	JAD
DRAWN BY	CPS
DATE DRAWN	01-2020
SCALE	AS NOTED
DATE ISSUED	01-21-2020

day
DAY ENGINEERING, P.C.
 Environmental Engineering Consultants
 Rochester, New York 14606
 New York, New York 10170

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

ENVIRONMENTAL RESTORATION PROJECT_NYSDEC SITE NO.: E828144

Drawing Title
 Site Plan with Overburden Groundwater Potentiometric Map for December 6, 2019 and
 PCE Concentrations Detected in December 2019 Overburden Groundwater Samples

Project No.
 5334S-17

FIGURE 9

Document Path: E:\GIS Mapping\Rochester\Andrews_Street\Supplemental_Draws_Sol_Remove\CCRS5334S-09-SPSR-CCR-Overburden_GW_20191206.mxd

Document Path: E:\GIS Mapping\Roche\Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Sol_Removal\CCR\334S-10-SDSR-CCR_PeakDec2019_PCE_in_Groundwater.mxd

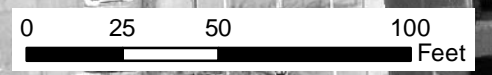


Legend

- MW-11 220 (15 ft)
- Former Evans Street right-of-way (Officially abandoned by the City of Rochester in March 2013)
- Polishing Phase PCE-Contaminated Soil Removal Area
- PCE in Groundwater (ug/l or ppb) based on GIS modeling of December 2019 sample results**
- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 500
- 500 - 1,000
- 1,000 - 5,000
- 5,000 - 10,000
- 10,000 - 25,000
- 25,000 - 34,000
- NT = Not Tested



NOTES:
 ArcGIS Spatial Analyst Natural Neighbor interpolation used to model Peak PCE in groundwater concentrations.
 Base mapping data provided by City of Rochester and Monroe County.



PROJECT MANAGER	JAD	DATE	01-2020
DRAWN BY	CPS	DATE DRAWN	01-2020
SCALE	AS NOTED	DATE ISSUED	01-21-2020

day
DAY ENGINEERING, P.C.
 Environmental Engineering Consultants
 Rochester, New York 14606
 New York, New York 10170

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

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

Drawing Title
 PCE Concentrations Detected in December 2019 Overburden
 Groundwater Samples

Project No.
 5334S-17

FIGURE 10

APPENDIX A
Digital Copy of the CCR
(Refer to CD)

APPENDIX B

Photo Log

(Refer to CD)

Photo Log
Supplemental Polishing Phase Remedial Actions
300, 304-308, 320 Andrews Street and 25 Evans Street, Rochester, New York



Dropping off PODS storage unit – looking southwest (8-27-2019)



Delivery of imported crusher run #2 (CR2) – looking northwest (9-4-2019)



Well decommissioning (9-4-2019)



60-mil liner used for staging areas and decontamination pad (9-4-2019)



Construction of soil staging area – looking west (9-4-2019)



Plastic welding sheet of soil staging area liner – looking west (9-5-2019)



Plastic welded and bermed soil staging area – looking southwest (9-6-2019)



Removing and staging earthen cover system material – looking northwest (9-9-2019)



Earthen cover system material removed from excavation area and ramp area
– looking southeast (9-9-2019)



Excavating re-usable soil – looking northeast (9-9-2019)



Staging re-usable soil – looking northwest (9-9-2019)



Excavating/staging re-usable soil – looking southeast (9-10-2019)



Staged re-useable soil covered with plastic sheeting – looking northwest (9-10-2019)



Delivery of frac tank for excavation dewatering – looking northwest (9-11-2019)



Excavating re-usable soil – looking southeast (9-11-2019)



Start removing contaminated soil from north end of excavation – looking east (9-11-2019)



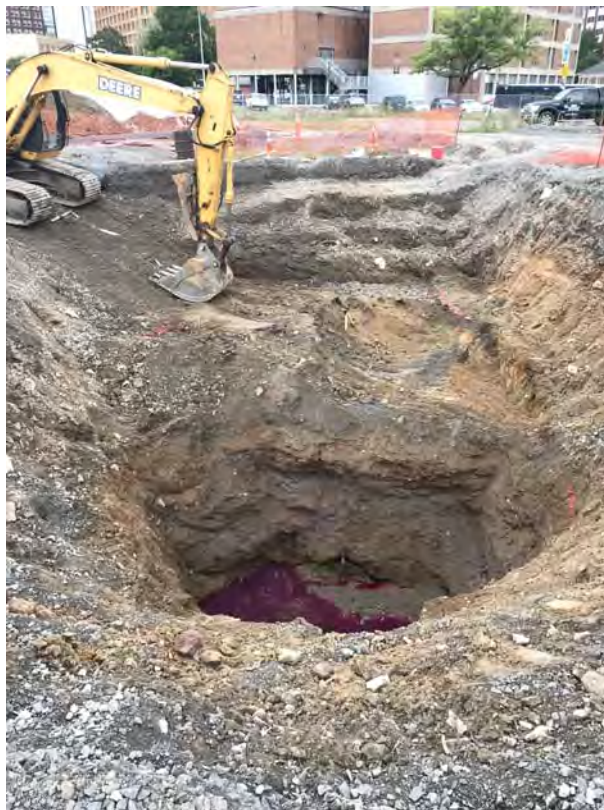
Contaminated soil removal from north end of removal area with field evidence of previously injected potassium permanganate in standing groundwater – looking northwest (9-12-2019)



Ramp into soil removal excavation – looking northwest (9-12-2019)



Application of Biosolve Pinkwater vapor suppressant during removal of contaminated soil – looking north (9-12-2019)



Preparing excavator pad within removal area to extend deep excavation southward – looking south (9-12-2019)



Standing groundwater with potassium permanganate that accumulated in excavation overnight and was pumped to frac tank – looking south (9-13-2019)



Contaminated soil removal with concurrent excavation dewatering – looking northeast (9-13-2019)



Contaminated soil removal with concurrent excavation dewatering – looking east (9-13-2019)



Contaminated soil removal – looking south (9-13-2019)



Removal of targeted contaminated soil nearing completion – looking southeast (9-13-2019)



Standing groundwater with potassium permanganate that accumulate in excavation overnight being pumped to frac tank – looking northeast (9-16-2019)



Commence backfilling of excavation with previously excavated and staged re-usable Site soil – looking southeast (9-16-2019)



Backfilling excavation using re-usable Site soil – looking northeast (9-16-2019)



Backfilling excavation using re-usable Site soil – looking southeast (9-16-2019)



Backfilling excavation using re-usable Site soil – looking east (9-17-2019)



Backfilling excavation using re-usable Site soil – looking northeast (9-17-2019)



Backfilling excavation using re-usable Site soil – looking south (9-17-2019)



Mark out trench locations for installation of ISCO pipe hardware through backfill – looking northeast (9-17-2019)



Trenching through partial backfill to install perforated ISCO piping at desired depth (9-18-2019)



Installing ISCO piping in trench within partial backfill – looking northeast (9-18-2019)



Installing ISCO piping in trench within partial backfill – looking northeast (9-18-2019)



Installing ISCO piping in trench within partial backfill – looking southeast (9-18-2019)



Installing ISCO piping in trench within partial backfill – looking southeast (9-18-2019)



Resuming backfill of excavation with re-usable Site soil – looking northeast (9-19-2019)



Vibratory roller entering ramp to compact backfill – looking southeast (9-19-2019)



Backfilling around ISCO riser piping in excavation – looking northeast (9-20-2019)



Compacting backfill with vibratory roller – looking southeast (9-20-2019)



Compaction testing backfill – looking northwest (9-20-2019)



Backfilling with imported crusher run #2 – looking northwest (9-23-2019)



Compacting imported crusher run #2 – looking southwest (9-23-2019)



Excavation prior to placement of staged existing cover system material (e.g., crusher run #2) - looking northeast (9-23-2019)



Backfilling with existing staged crusher run #2 cover system material – looking east (9-24-2019)



Backfilling with existing staged crusher run #2 cover system material – looking southeast (9-24-2019)



Backfilling with existing staged crusher run #2 cover system material – looking northwest (9-24-2019)



Compacting existing staged crusher run #2 cover system material – looking north (9-24-2019)



Compacting existing staged crusher run #2 cover system material – looking southeast (9-24-2019)



Decontaminated vibratory roller and loader – looking northwest (9-25-2019)



Staged contaminated soil piles pending disposal facility approvals – looking east (9-25-2019)



Load out of contaminated soil for disposal at High Acres landfill – looking northwest (10-9-2019)



Cover remaining contaminated soil pile at end of day – looking northeast (10-9-2019)



Load out of contaminated soil for disposal at High Acres landfill – looking northwest (10-10-2019)



Frac tank discharge to sewer manhole in Bristol Street under Monroe County permit – looking southwest (10-10-2019)



Decontaminating excavator tracks – looking north (10-11-2019)



Decontaminating mini-excavator – looking west (10-11-2019)



Remove and load out decontamination pad for disposal at High Acres Landfill - looking southwest (10-11-2019)



Rotary drill-rig set up to install replacement monitoring well MW-17A – looking northeast (10-17-2019)



Mixing potassium permanganate for injection at ISCO piping system in backfilled excavation – looking southeast (10-18-2019)



Clean out of frac tank – looking northwest (10-22-2019)



Clean out of frac tank – looking north (10-22-2019)

APPENDIX C
CAMP Air Monitoring Report Sheets and Field Figures
(Refer to CD)



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 9/9/2019

PAGE: 1 OF 3

JOB #: 53345-17

SITE: Andrews Street Site (E828144)

BY: CC Demian

ON-SITE: 800 OFF-SITE: _____

WEATHER CONDITIONS: partly sunny 75°F PREVAILING WIND DIRECTION: _____

PERSONNEL ON-SITE: TRE, DAY, City

NOTES: _____

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	9:15	BG	0.0	0.002
Camps	9:30	CAMP 1	0.0	0.003
(short digging the cover system)	9:45		0.0	0.004
	10:00		0.0	0.004
	10:15		0.0	0.004
	10:30		0.0	0.004
	10:45		0.0	0.004
	11:00		0.0	0.003
	11:15		0.0	0.003
stop work	11:30		0.0	0.005
Resume	12:00	BG	0.0	0.003
	12:15	CAMP 2	0.0	0.006
	12:30		0.0	0.004
	12:45		0.0	0.004
	13:00		0.0	0.004
	13:15		0.0	0.003
	13:30		0.0	0.005
	13:45		0.0	0.003
	14:00		0.0	0.003

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET (Continued)

DATE: 9/9/2019

PAGE: 2 OF 3

JOB #: _____

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
	14:15	CAMP 2	0.0	0.003
	14:30	CAMP 2	0.0	0.004
	14:45	---	0.0	0.003
	15:00	---	0.0	0.003
	15:15	---	0.0	0.003
<u>stop digging</u>	15:28	---	0.0	0.003

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

AIR MONITORING REPORT SHEET

DATE: 9.10.2019

PAGE: 1 OF 3

JOB #: 5334S-17

SITE: Andrews Street Site (E828144)

BY: CCD (Day Environmental)

ON-SITE: 7:50 OFF-SITE: _____

WEATHER CONDITIONS: Clear sunny 53° PREVAILING WIND DIRECTION: coln SSE

PERSONNEL ON-SITE: Day and TREC (SS + KB)

NOTES: _____

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BZ	8:20	BG-1	0.0	0.001
Start digging	8:30	CAMP 1	0.0	0.004
	8:45	-	0.0	0.004
	9:00	-	0.0	0.004
	9:15		0.0	0.005
	9:30		0.0	0.005
	9:45		0.0	0.005
	10:00		0.0	0.005
	10:15		0.0	0.009
	10:30		0.0	0.007
	10:45		0.0	0.007
	11:00		0.0	0.006
Lunch B	11:10		0.0	0.006
	11:40		0.0	0.006
	12:40		0.0	0.006
Start work	13:00		0.0	0.006
segregation pond	13:15		0.0	0.006
	13:30		0.0	0.007
Resume work	13:45		0.0	0.008
	14:00			

30 min →
1 h gap

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET (Continued)

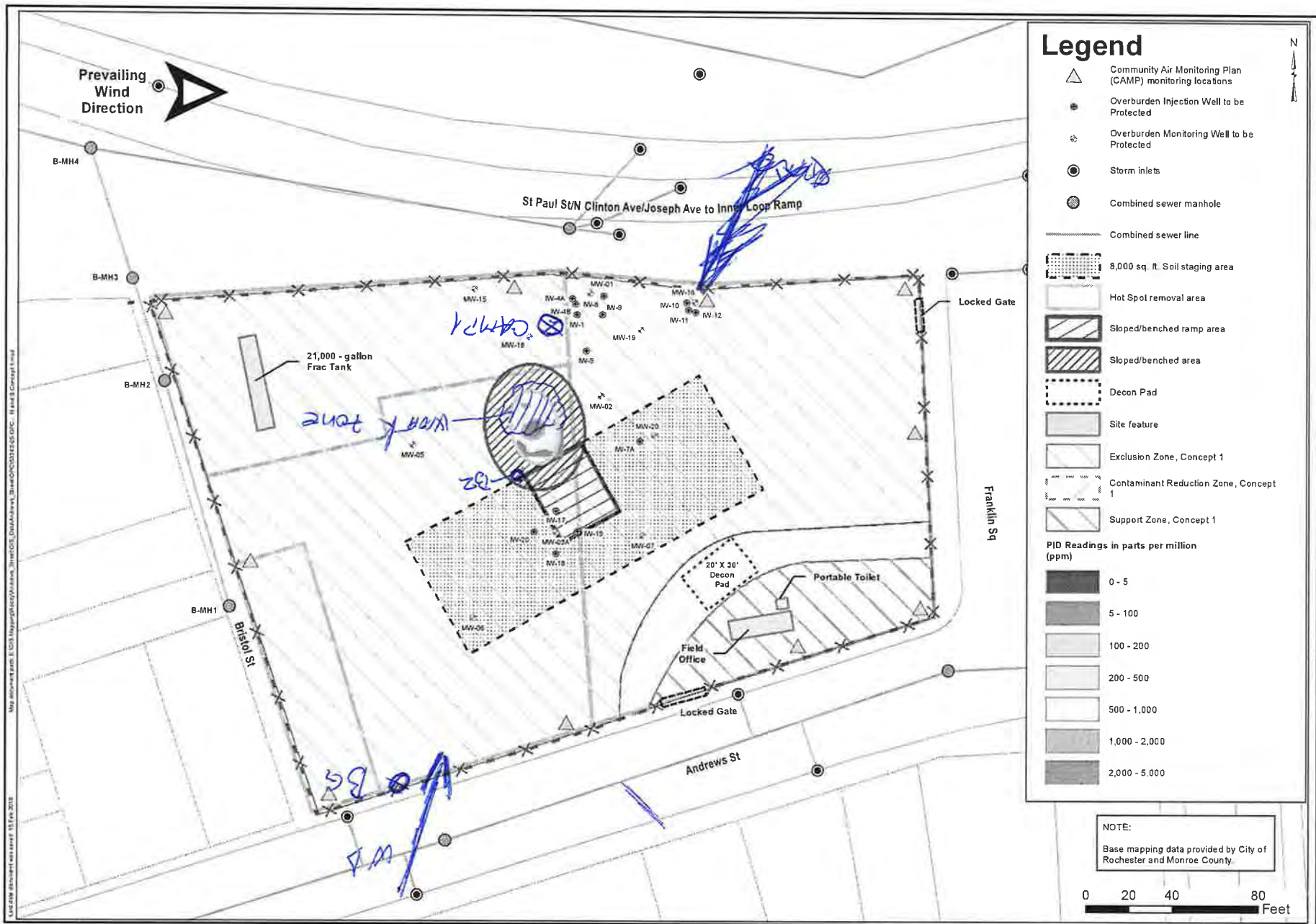
DATE: 9/10/2019

PAGE: 2 OF 3

JOB #: 53345-17

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
	14:15	CAMP 1	0.0	0.009
	14:30		0.0	0.009
	14:45		0.0	0.008
	15:00		0.0	0.008
	15:15		0.0	0.008
Stop work	15:30		0.0	0.008

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring



DESIGNED BY	JAD	DATE	02-2019
DRAWN BY	CPS	DATE	02-2019
SCALE	AS NOTED	DATE	02-15-2019

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

300, 30A, 30B, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK
 ENVIRONMENTAL RESTORATION PROJECT NYSDDEC SITE NO. E828144
 Drawing File
 Site Layout Plan with Health and Safety Control
 Zones and CAMP Monitoring Locations

Project No:
5334S-17
FIGURE 2

Handwritten: New York 9/10/19

Map documents and data are the property of the City of Rochester and Monroe County. © 2019. All rights reserved.

AIR MONITORING REPORT SHEET

DATE: 9/11/2019

PAGE: 1 OF 3

JOB #: 53345-17

SITE: Andrews Street Site (E828144)

BY: Alex Z. Martino

ON-SITE: 0800 OFF-SITE: _____

WEATHER CONDITIONS: Sunny, ~85° PREVAILING WIND DIRECTION: NW

PERSONNEL ON-SITE: DAY, TREC, City

NOTES: 8³⁰ A.Z. Martino on-site, TREC commences work
@ 8⁴⁰. 10⁵⁵ TREC ceases work in order to regroup
+ alter approach of digging (excavator doesn't dig
enough to reach). CAMP turned off. 11⁰⁵
CAMP back on. Changed battery in dust filter @ 12³⁰
CAMP down for ~5 min. TREC ceases all intrusive
work @ 15²⁰, CAMP shut down.

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BZ+	8 ⁴⁸	BZ+BG-1	0.0	0.016
CAMP-1	9 ⁰⁰	C-1	0.0	0.018
CAMP-1	9 ¹⁵	C-1	0.0	0.017
CAMP-1	9 ³⁰	C-1	0.0	0.016
CAMP-1	9 ⁴⁵	C-1	0.0	0.017
CAMP-1	10 ⁰⁰	C-1	0.0	0.018
CAMP-1	10 ¹⁵	C-1	0.0	0.019
CAMP-1	10 ³⁰	C-1	0.0	0.020
CAMP-1	10 ⁴⁵	C-1	0.0	0.021
CAMP-1	10 ⁵⁵	C-1	0.0	0.020
CAMP-1	11 ⁰⁵ / 11 ²⁰	C-1	0.0	0.021
CAMP-1	11 ³⁵	C-1	0.0	0.025
CAMP-1	11 ⁵⁰	C-1	0.0	0.025
CAMP-1	12 ⁰⁵	C-1	0.0	0.022
CAMP-1	12 ²⁰	C-1	0.0	0.022
CAMP-1	12 ⁴⁵	C-1	0.0	0.030
CAMP-1	13 ⁰⁰	C-1	0.0	0.027
CAMP-1	13 ¹⁵	C-1	0.0	0.025
CAMP-1	13 ³⁰	C-1	0.0	0.024
CAMP-1	13 ⁴⁵	C-1	0.0	0.023

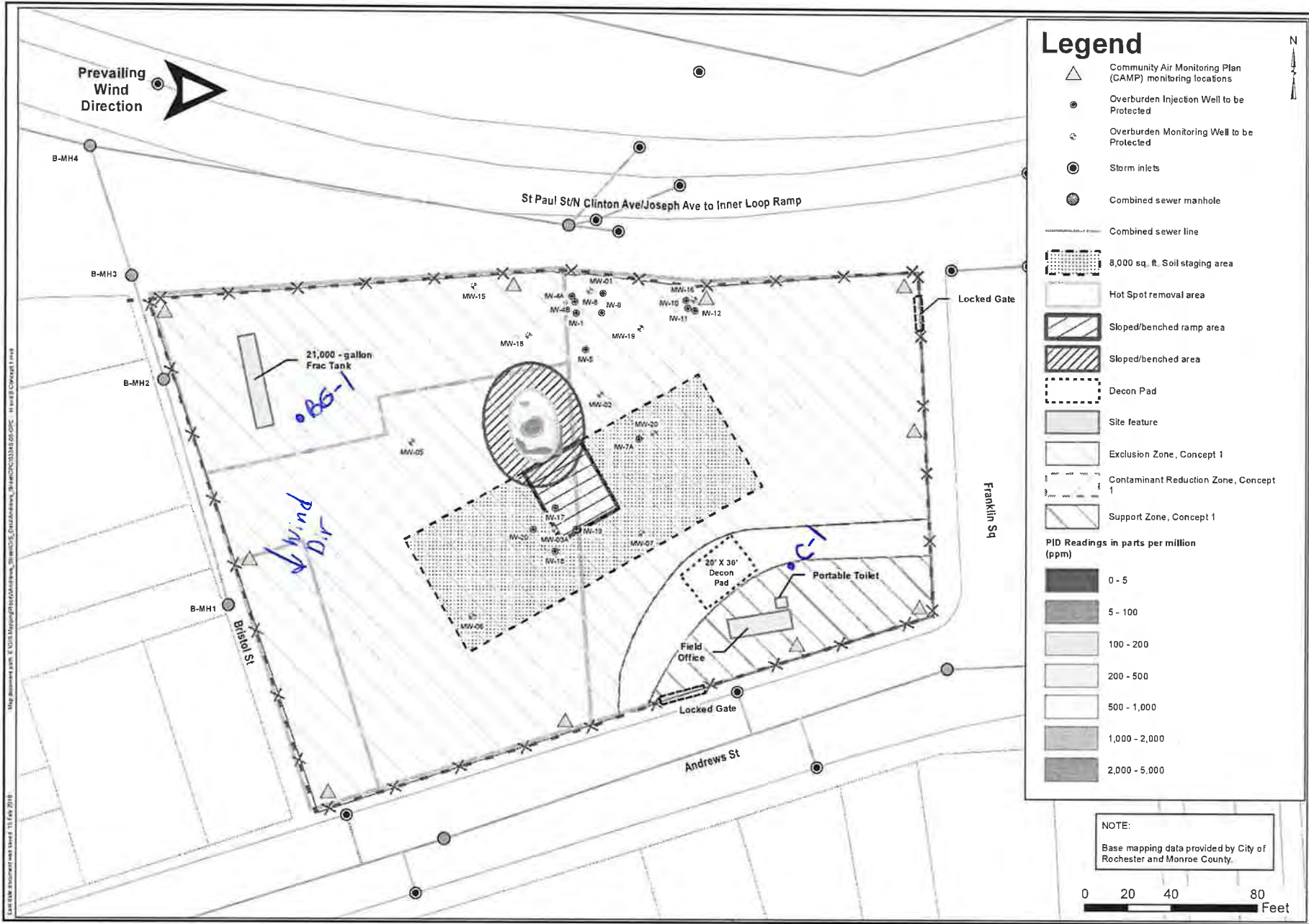
Background

CAMP off @ 11⁰⁵

changed battery in dust filter

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

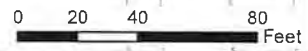
3 of 3



Legend

- Community Air Monitoring Plan (CAMP) monitoring locations
 - Overburden Injection Well to be Protected
 - Overburden Monitoring Well to be Protected
 - Storm inlets
 - Combined sewer manhole
 - Combined sewer line
 - 8,000 sq. ft. Soil staging area
 - Hot Spot removal area
 - Sloped/benched ramp area
 - Sloped/benched area
 - Decon Pad
 - Site feature
 - Exclusion Zone, Concept 1
 - Contaminant Reduction Zone, Concept 1
 - Support Zone, Concept 1
- PID Readings in parts per million (ppm)**
- 0 - 5
 - 5 - 100
 - 100 - 200
 - 200 - 500
 - 500 - 1,000
 - 1,000 - 2,000
 - 2,000 - 5,000

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



DESIGNED BY	JAD	DATE	02-2019
DRAWN BY	CPS	DATE DRAWN	02-2019
SCALE	AS NOTED	DATE REVISION	02-15-2019

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

Project No.: 5334S-17
300, 304-308, 320 ANDREWS STREET
AND 25 EVANS STREET
ROCHESTER, NEW YORK
ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO. E828144
Drawing Title: Site Layout Plan with Health and Safety Control Zones and CAMP Monitoring Locations

Project No.: 5334S-17
FIGURE 2

AIR MONITORING REPORT SHEET

DATE: 9/12/2019

PAGE: 1 OF 3

JOB #:

SITE: Andrews Street Site (E828144)

BY: A.Z. Martins

ON-SITE: 8⁰⁰ OFF-SITE:

WEATHER CONDITIONS: cloudy, ≈ 60°F PREVAILING WIND DIRECTION: E/NE 50-60% chance of rain

PERSONNEL ON-SITE: A. Martins + D. Peak (City) + J. Darringer (DAY)

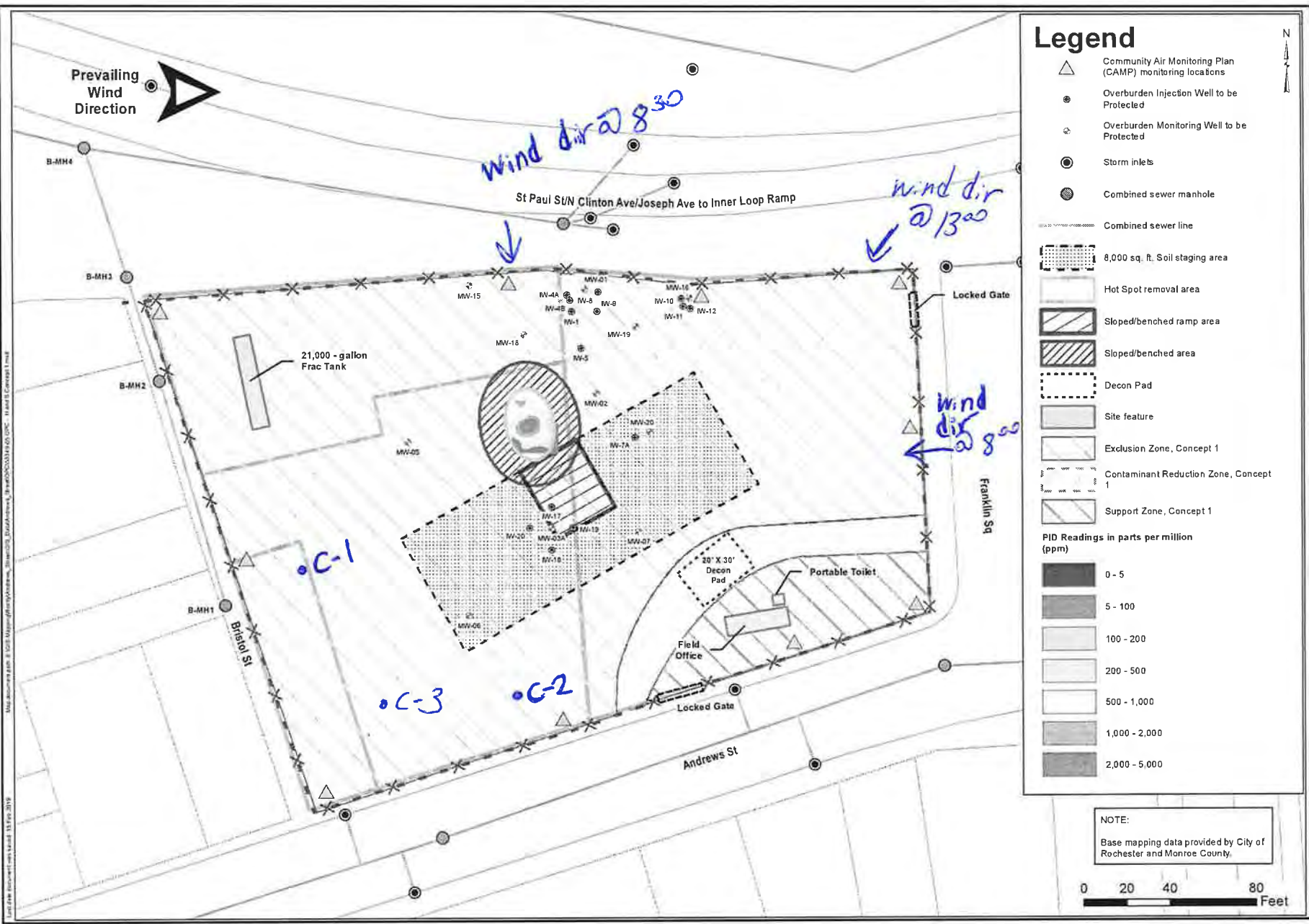
NOTES: Dust meter + PID calibrated OK.
CAMP on @ 8²⁰, both meters justified by buckets
due to moderate chance of rain @ 8³⁰, change in wind
direction noted #^{AZM} (E/NE → N, CAMP-2 location
established. PID @ CAMP-1 not operating properly (reading
≥ 4.0 ppm despite to intensive work taking place). PID
is replaced w/ new PID (Serial =) after calibration.
Begin raining @ 9¹⁰. Rigorous intensive work ceased
10¹⁰-11⁴⁵, while confirmatory samples were being collected.

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BG-1	8:15	Berkumnd	0.0	0.002
C-1	8:30	CAMP-1	1.8	0.000
C-2	8:45	CAMP-2	N/A	0.000
C-2	9:00	CAMP-2	0.0	0.000
C-2	9:15	CAMP-2	0.0	0.002
C-2	9:30		0.4	0.000
	9:45		0.9	0.000
	10:00		1.0	0.000
	10:15		0.7	0.000
	10:30		0.8	0.000
	10:45		0.7	0.000
	11:00		0.6	0.000
	11:15		0.3	0.000
	11:30		0.3	0.000
	11:45		0.3	0.000
	12:00		0.2	0.000
	12:15		0.1	0.003
	12:30		0.0	0.001
	12:45		0.0	0.000
	13:00		0.0	0.000

*Intensive
ceased
@ 15:20
CAMP
shut down.*

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

3-53



DATE	02-2019
DRAWN BY	JAD
DATE	02-2019
DRAWN BY	CPS
SCALE	AS NOTED
DATE	02-15-2019
SCALE	AS NOTED

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

Project Site
 300, 304-306, 320 ANDREWS STREET
 AND 26 EVANS STREET
 ROCHESTER, NEW YORK

Project No.
 ENVIRONMENTAL RESTORATION PROJECT NY/SDCC SITE NO. E828144

Drawing Title
 Site Layout Plan with Health and Safety Control
 Zones and CAMP Monitoring Locations

Project No.
 5334S-17

FIGURE 2

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



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 9/13/2019

PAGE: 1 OF 3

JOB #: 5334S-17

SITE: Andrews Street Site (E828144)

BY: CCD (Day Environmental)

ON-SITE: 8:30 OFF-SITE: _____

WEATHER CONDITIONS: overcast, ~65°F PREVAILING WIND DIRECTION: S/SE 6mph

PERSONNEL ON-SITE: _____

NOTES: 13:30 Wind intensify 18mph

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	8:15	BG	0.0	0.004
CAMP 1	8:50	CAMP 1	0.2	0.004
	9:30		0.5	0.002
	9:45		0.9	0.002
	10:00		0.8	0.002
	10:15		0.4	0.002
	10:30		0.8	0.002
	10:45		0.3	0.002
	11:00		0.0	0.002
	11:15		0.0	0.003
	11:30		0.1	0.003
CAMP-2	11:45	CAMP-2	0.2	0.003
	12:00		0.1	0.003
	12:15		0.0	0.005
	12:30		0.1	0.008
	12:45		0.0	0.007
	13:00		0.0	0.004
	13:15		0.0	0.006
	13:30		0.2	0.009
	13:45		0.1	0.009

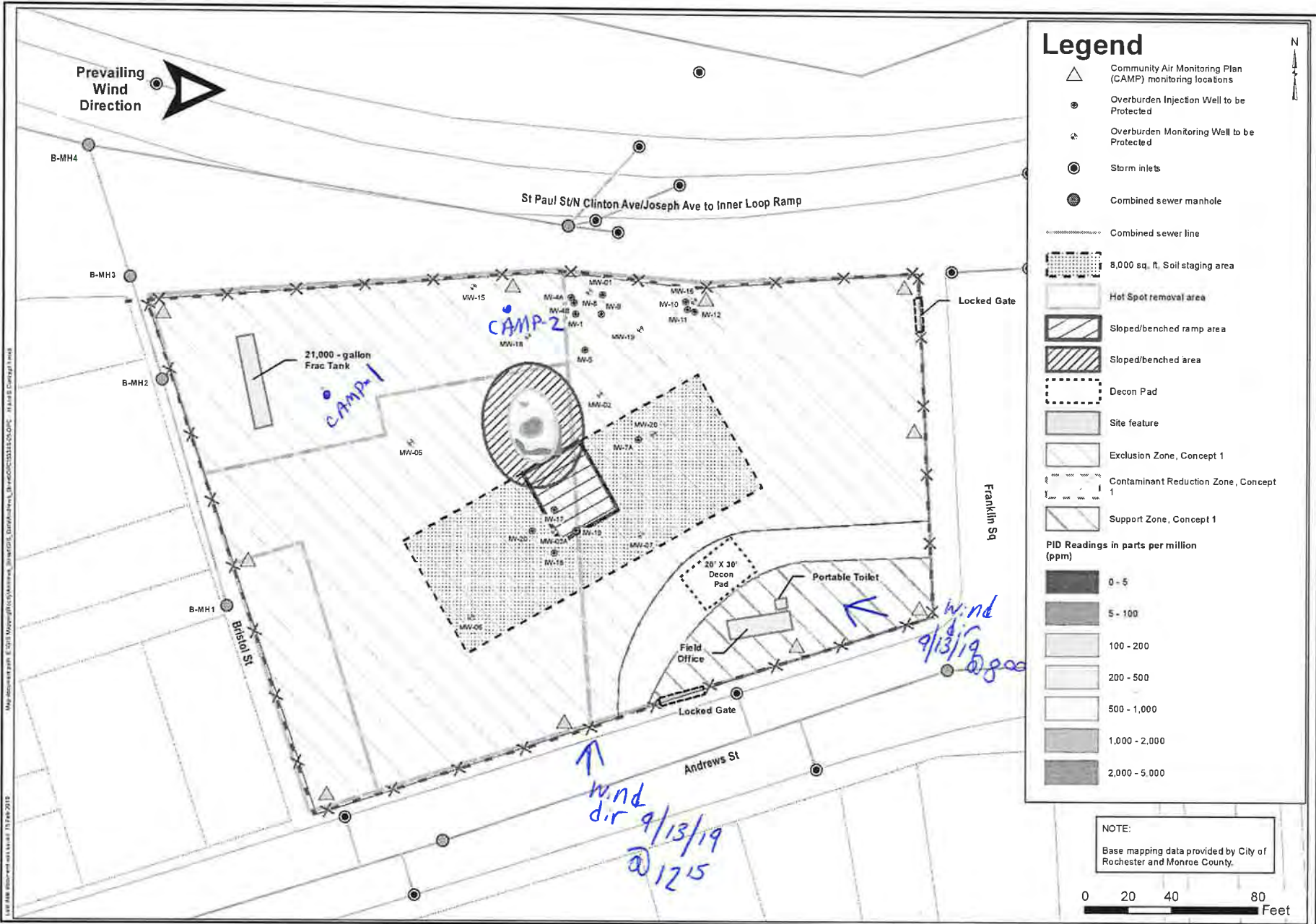
DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

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ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

3-53



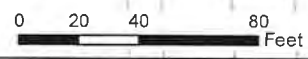
Legend

- △ Community Air Monitoring Plan (CAMP) monitoring locations
- Overburden Injection Well to be Protected
- ⊕ Overburden Monitoring Well to be Protected
- ⊙ Storm inlets
- ⊗ Combined sewer manhole
- Combined sewer line
- ▨ 8,000 sq. ft. Soil staging area
- ▩ Hot Spot removal area
- ▧ Sloped/benched ramp area
- ▨ Sloped/benched area
- ⊞ Decon Pad
- ▭ Site feature
- ▭ Exclusion Zone, Concept 1
- ▭ Contaminant Reduction Zone, Concept 1
- ▭ Support Zone, Concept 1

PID Readings in parts per million (ppm)

- 0 - 5
- 5 - 100
- 100 - 200
- 200 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 5,000

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



DATE	02-2019
DESIGNED BY	JAD
DRAWN BY	CPS
SCALE	AS NOTED
DATE	02-2019
DATE DRAWN	02-2019
DATE REVISION	02-15-2019

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

300, 304, 308, 320 ANDREWS STREET
AND 25 EVANS STREET
ROCHESTER, NEW YORK
ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO. E828144
Drawing Title
Site Layout Plan with Health and Safety Control
Zones and CAMP Monitoring Locations

Project No.
5334S-17
FIGURE 2

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AIR MONITORING REPORT SHEET

DATE: 9/16/2019 PAGE: 1 OF 3

JOB #: 53345-17

SITE: Andrews Street Site (E828144)

BY: Alex Martins

ON-SITE: 8 OFF-SITE: _____

WEATHER CONDITIONS: overcast, ~60°F PREVAILING WIND DIRECTION: E

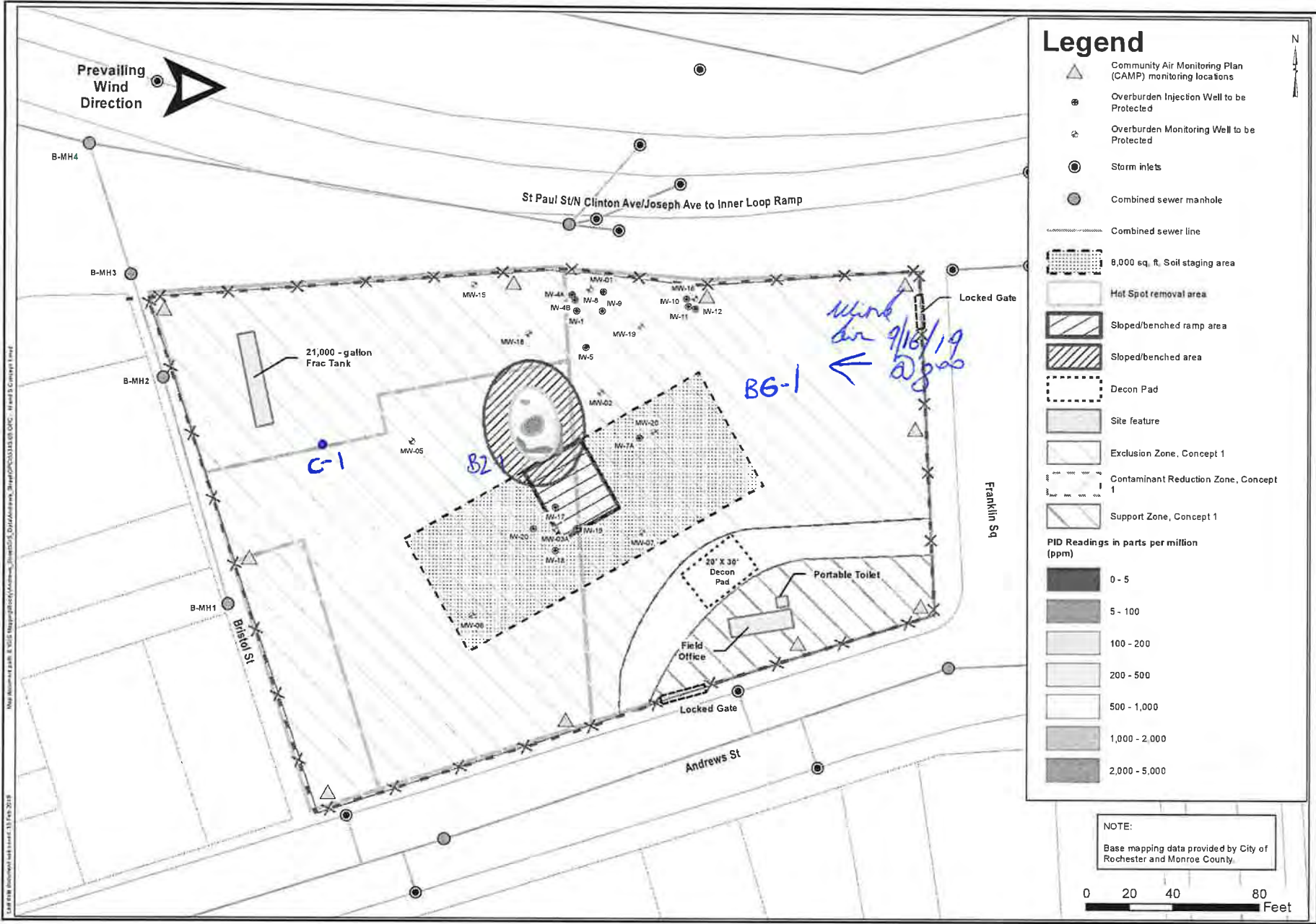
PERSONNEL ON-SITE: Heather Mc (DAY)

NOTES: TREC still demistering @ 9⁰⁰, no intrusive work taking place. TREC ceased all intrusive work @ 15³⁰, DAMP shut down

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	12:10	BG-1	0.1	0.03
breathing zone	12:11	BZ-1	0.0	0.022
CAMP	12:13	C-1	0.0	0.011
CAMP	12:28	C-1	0.0	0.001
BZ	12:29	BZ-1	0.0	0.009
BZ	12:43	BZ-1	0.0	0.007
CAMP	12:45	C-1	0.0	0.000
BZ	12:58	BZ-1	0.1	0.009
CAMP	13:00	C-1	0.0	0.001
BZ	13:15	BZ-1	0.0	0.012
CAMP	13:16	C-1	0.0	0.001
BZ	13:29	BZ-1	0.0	0.004
CAMP	13:30	C-1	0.0	0.000
BZ	13:44	BZ-1	0.0	0.006
CAMP	13:45	C-1	0.0	0.000
BZ	14:00	BZ-1	0.0	0.016
CAMP	14:01	C-1	0.0	0.001
BZ	14:15	BZ-1	0.0	0.016
CAMP	14:16	C-1	0.0	0.001
BZ	14:30	BZ-1	0.0	0.011

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

3-43



New York State Office of General Services, Division of Environmental Conservation, Bureau of Environmental Remediation, 615 West Seneca Avenue, Buffalo, NY 14208
 Date: 02-15-2019

DATE	02-2019
DATE DRAWN	02-2019
DATE REVISION	02-2019
DATE DESIGNED	02-15-2019
DESIGNED BY	JAD
DRAWN BY	CPS
SCALE	AS NOTED

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

304-308, 320 ANDREWS STREET
 AND 24 EVANS STREET
 ROCHESTER, NEW YORK
 ENVIRONMENTAL RESTORATION PROJECT NYSDOC SITE NO. E828144
 Drawing Title
 Site Layout Plan with Health and Safety Control
 Zones and CAMP Monitoring Locations

Project No
 5334S-17
FIGURE 2

AIR MONITORING REPORT SHEET

DATE: 9/17/19 PAGE: 1 OF 3

JOB #: 533AS-17

SITE: Andrews Street Site (E828144)

BY: A2M, HMM

ON-SITE: 8⁰⁰ OFF-SITE: _____

WEATHER CONDITIONS: clear, ≈65°, faint wind PREVAILING WIND DIRECTION: SW

PERSONNEL ON-SITE: TREC, DAY, COR

NOTES: TREC to continue backfilling + making site rails.

8⁰⁰ CAMP ON.

9:35 TREC began moving backfill.

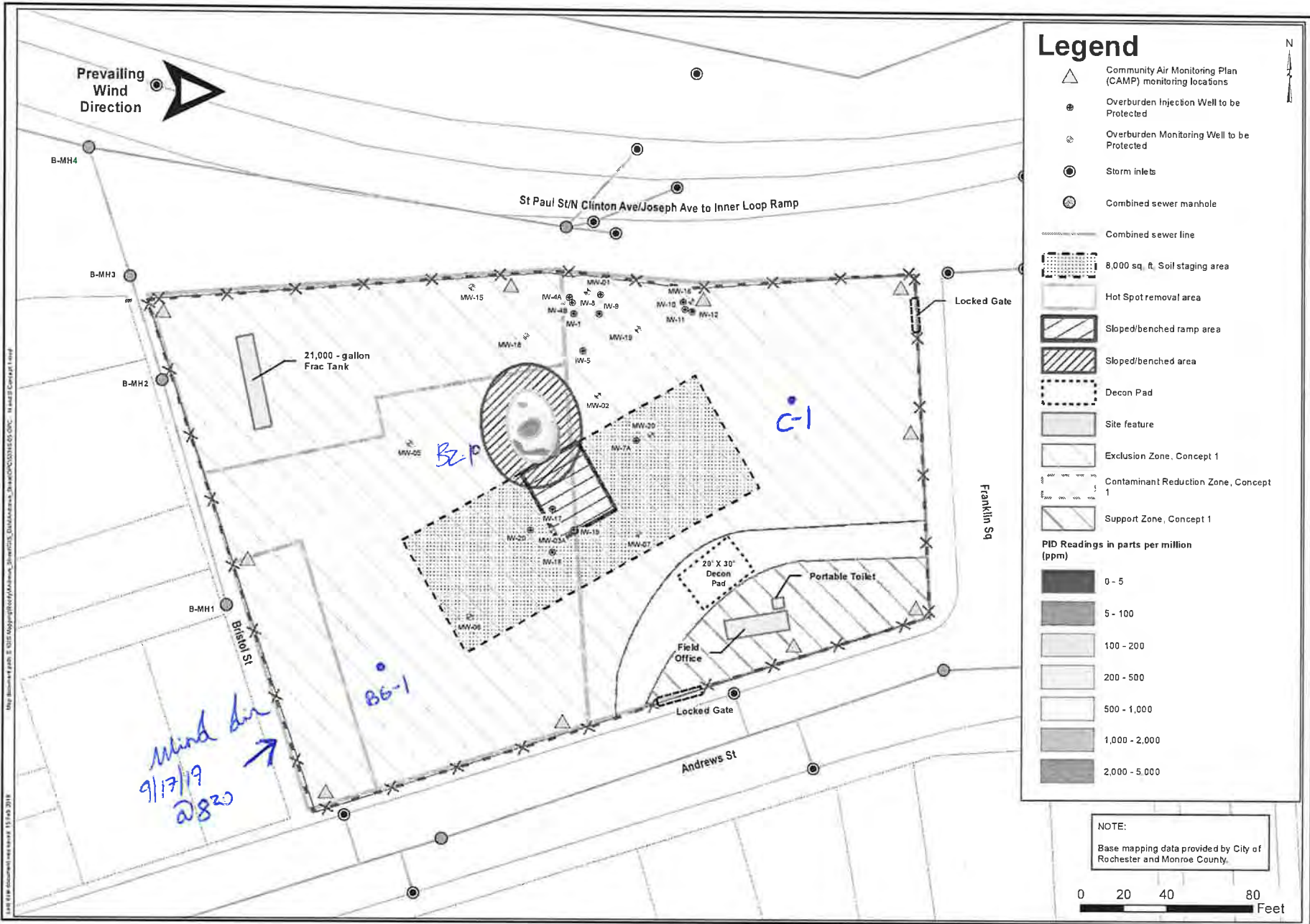
12:00 - 12:25 no backfilling, switched out C-1 PD @ 14³⁵ due to lamp on previous PID needing to be changed. @ 14⁴⁵ confirmed no additional soil disturbance

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background-1	8 ¹⁵	BG-1	0.0	0.007
CAMP-1	8 ³⁰	C-1	0.0	0.007
	8 ⁴⁵	C-1	0.0	0.007
	9 ⁰⁰	C-1	0.2	0.009
	9 ³⁵	C-1	0.0	0.008
	9 ⁵⁰	C-1	0.0	0.007
Breathing Zone	9 ⁵⁵	BZ-1	0.0	0.005
CAMP-1	10 ⁰⁵	C-1	0.0	0.006
BZ	10 ¹⁰	BZ-1	0.0	0.011
CAMP	10 ²⁰	C-1	0.0	0.003
Breathing Zone	10 ²¹	BZ-1	0.0	0.005
CAMP	10 ³⁵	C-1	0.0	0.004
Breathing Zone	10 ³⁵	BZ-1	0.0	0.004
CAMP	10 ⁵⁰	C-1	0.0	0.006
Breathing Zone	10 ⁵⁰	BZ-1	0.0	0.011
CAMP	11 ⁰⁵	C-1	0.0	0.005
Breathing Zone	11 ⁰⁷	BZ-1	0.0	0.010
CAMP	11 ²⁰	C-1	0.0	0.005
Breathing Zone	11 ²⁰	BZ-1	0.0	0.011
Breathing Zone	11 ³⁵	BZ-1	0.0	0.009

mill took place CAMP shut down.

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

3-f-3



Legend

- Community Air Monitoring Plan (CAMP) monitoring locations
- Overburden Injection Well to be Protected
- Overburden Monitoring Well to be Protected
- Storm inlets
- Combined sewer manhole
- Combined sewer line
- 8,000 sq. ft. Soil staging area
- Hot Spot removal area
- Sloped/benched ramp area
- Sloped/benched area
- Decon Pad
- Site feature
- Exclusion Zone, Concept 1
- Contaminant Reduction Zone, Concept 1
- Support Zone, Concept 1

PID Readings in parts per million (ppm)

- 0 - 5
- 5 - 100
- 100 - 200
- 200 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 5,000

DESIGNED BY	JAD	DATE	02-2019
DRAWN BY	CPS	DATE	02-2019
SCALE	AS NOTED	DATE ISSUED	02-15-2019

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

300, 304, 308, 320 ANDREWS STREET
 AND 24 EVANS STREET
 ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO. ER201144

Site Layout Plan with Health and Safety Control Zones and CAMP Monitoring Locations

Project No. 5334S-17

FIGURE 2

Map produced by day Environmental, Inc. on 02/15/2019. All rights reserved. This map is for informational purposes only. It is not a contract.

AIR MONITORING REPORT SHEET

DATE: 9/18/2018 PAGE: 1 OF 3

JOB #: 53345-17

SITE: Andrews Street Site (E828144)

BY: AZM + HMM

ON-SITE: 8⁰⁰ OFF-SITE: 1540

WEATHER CONDITIONS: clear, ≈ 55°F PREVAILING WIND DIRECTION: 8:00 W / 10:35 E

PERSONNEL ON-SITE: Heather (DAY), Alex (COR), Kent + Steve (TREC)

NOTES: CAMP equipment calibrated OK. 8¹⁵ CAMP BG taken, 8²⁰ CAMP ON; no intrusive work taking place. TREC begins digging in excavation @ 9⁰⁰, digging to place ISO equipment.

10:35 Wind changed to ~E (from the E). moved to CAMP-2

11:25 digging stopped -

12:45 ISO hardware installation restarted

15:15 tamping/ installation complete

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	8 ¹⁵	BG-1	0.0	0.001
CAMP-1	8 ³⁵	C-1	0.0	0.004
CAMP-1	8 ⁵⁰	C-1	0.0	0.000
CAMP-1	9 ⁰⁵	C-1	0.0	0.001
Breathing Zone	9 ¹⁵	BZ-1	0.0	0.006
CAMP-1	9 ²⁰	C-1	0.0	0.002
BZ-1	9 ³⁰	BZ-1	0.0	0.005
CAMP-1	9 ³⁵	C-1	0.3	0.006 0.002
CAMP-1	9⁵⁰	C-1	0.0	0.002
BZ-1	9 ⁴⁵	BZ-1	0.3	0.014
CAMP-1	9 ⁵⁰	C-1	0.0	3.003
BZ-1	9 ⁵⁰	BZ-1	0.0	0.016
CAMP-1	10 ²⁵	C-1	0.0	0.002
BZ-1	10 ⁰⁵	BZ-1	0.3	0.007
CAMP-1	10 ²⁰	C-1	0.0	0.0023
BZ-1	10:20	BZ-1	0.0	0.008
Background	10 ³⁵	BG-2	0.0	0.003
BZ-1	10:40	BZ-1	0.0	0.009
CAMP-2	10:55	C-2	0.0	0.000
BZ-1	10:55	BZ-1	0.0	0.024

AZM

HMM

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary S:/fieldforms/Air Monitoring

AIR MONITORING REPORT SHEET (Continued)

DATE: 9/18/19
JOB #: 53345-17

PAGE: 2 OF 3

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
CAMP-2	11:10	C-2	0.0	0.000
BZ-1	11:10	BZ-1	0.0	0.009
CAMP-2	11:25	C-2	0.0	0.001
BZ-1	11:25	BZ-1	0.0	0.009
CAMP-2	11:40	C-2	0.0	0.000
<i>Hmm</i> CAMP BZ-1	11:40	BZ-2 BZ-1	0.0	0.009
CAMP-2	11:55	BZ-2	0.0	0.000
BZ-1	11:55	BZ-1	0.0	0.007
CAMP-2	12:10	C-2	0.0	0.000
BZ-1	12:10	BZ-1	0.0	0.007
CAMP-2	12:25	C-2	0.0	0.000
BZ-1	12:25	BZ-1	0.0	0.010
CAMP-2	12:40	C-2	0.0	0.000
BZ-1	12:40	BZ-1	0.0	0.009
CAMP-2	12:55	C-2	0.0	0.000
BZ-1	12:55	BZ-1	0.0	0.011
CAMP-2	13:10	C-2	0.0	0.000
BZ-1	13:10	BZ-1	0.0	NIR - <i>Just Meter turned off</i>
CAMP-2	13:25	C-2	0.0	0.013 <i>0.000 Hmm</i>
BZ-1	13:25	BZ-1	0.0	0.013 <i>← changed dust meter battery</i>
CAMP-2	13:40	C-2	0.0	0.000
BZ-1	13:40	BZ-1	0.0	0.004
CAMP-2	13:55	C-2	0.0	0.000
BZ-1	13:55	BZ-1	0.0	0.003
CAMP-2	14:10	C-2	NIR	0.000
BZ-1	14:10	BZ-1	0.0	0.002
CAMP-2	14:25	C-2	0.0	0.000
BZ-1	14:25	BZ-1	0.0	0.002
CAMP-2	14:40	C-2	0.0	0.000
BZ-1	14:40	BZ-1	0.0	0.000
CAMP-2	14:55	C-2	0.0	0.000
BZ-1	14:55	BZ-1	0.0	0.000
CAMP-2	15:10	C-2	0.0	0.001
BZ-1	15:10	BZ-1	0.0	0.012
BZ-1	15:25	BZ-1	0.0	0.009
CAMP-2	15:25	C-2	0.0	0.000

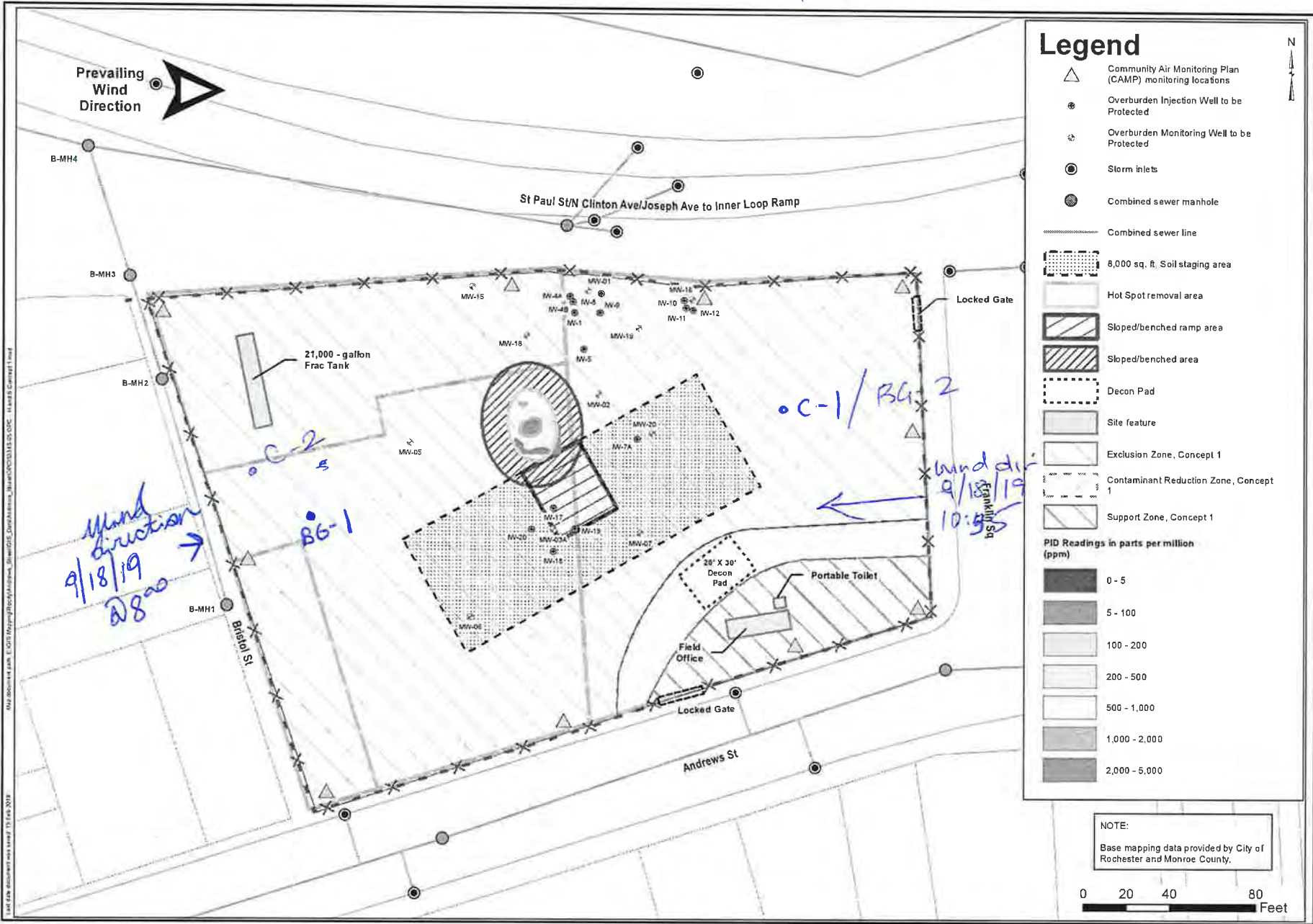
done

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

NIR - not recorded

303

9.18.19



Map document path: E:\GIS\Map\Rock\Map\Map_015_Support\Map_015_Support.mxd, 3/18/2019 10:45:00 AM, 11.4x8.5, Concept 1.mxd

DESIGNED BY	JAD	DATE	02-2019
DRAWN BY	CPS	DATE	02-2019
SCALE	AS NOTED	DATE ISSUED	02-15-2019

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

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

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO. E828144

Site Layout Plan with Health and Safety Control Zones and CAMP Monitoring Locations

Project No:
 5334S-17

FIGURE 2

AIR MONITORING REPORT SHEET

DATE: 9/19/2019 PAGE: 1 OF 3

JOB #: 53345-17

SITE: Andrews Street Site (E828144)

BY: AZM & HAM

ON-SITE: 8⁰⁰ OFF-SITE: _____

WEATHER CONDITIONS: Clear, ~55° PREVAILING WIND DIRECTION: N

PERSONNEL ON-SITE: Heather (DAY), Alex (COR), & Kevin + Steve (TREC)

NOTES: 8⁰⁰-8¹⁵ PIDs calibrated OK, dust meters zeroed OK
8²⁰ CAMP on, TREC begins making soil & stone

11:40 backfilling stopped

15⁰⁰ TREC ceases all intrusive work & making soil CAMP shut down

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	8 ¹⁵	BG-1	0.0	0.003
CAMP-1	8 ⁴⁵	C-1	0.0	0.016
Breathing Zone	8 ³⁵	BZ-1	0.0	0.007
CAMP-1	8 ⁵⁰	C-1	0.0	0.011
BZ-1	8 ⁵⁰	BZ-1	0.0	0.006
C-1	9 ⁰⁵	C-1	0.0	0.007
BZ-1	9 ⁰⁵	BZ-1	0.0	0.006
C-1	9 ²⁰	C-1	0.0	0.007
BZ-1	9 ²⁰	BZ-1	0.0	0.002
C-1	9 ³⁵	C-1	0.0	0.005
BZ-1	9 ³⁵	BZ-1	0.0	0.003
C-1	9 ⁵⁰	C-1	0.0	0.005
BZ-1	9 ⁵⁰	BZ-1	0.0	0.003
C-1	10 ⁰⁵	C-1	0.0	0.015
BZ-1	10 ⁰⁵	BZ-1	0.0	0.003
C-1	10 ²⁰	C-1	0.0	0.008
BZ-1	10 ²⁰	BZ-1	0.0	0.004
C-1	10 ³⁵	C-1	0.0	0.009
BZ-1	10 ³⁵	BZ-1	0.0	0.003
C-1	10 ⁵⁰	C-1	0.0	0.006

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 9/20/19 PAGE: 1 OF 3

JOB #: Routy 53345-17

SITE: Andrews Street Site (E828144)

BY: Hmm

ON-SITE: 7:45 OFF-SITE: _____

WEATHER CONDITIONS: ~60 F PREVAILING WIND DIRECTION: to NNE 

PERSONNEL ON-SITE: Hmm, TRFC

NOTES: soil movement. begun at 8:15 am

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
8: Background	8:15	BG-1	0.0	0.006
CAMP	8:30	C-1	0.0	0.008
Breathing Zone	8:30	BZ-1	0.0	0.001
CAMP	8:45	C-1	0.0	0.008
Breathing Zone	8:45	BZ-1	0.0	0.000
CAMP	9:00	C-1	0.0	0.008
Breathing Zone	9:00	BZ-1	0.0	0.000
CAMP	9:15	C-1	0.0	0.018
Breathing Zone	9:15	BZ-1	0.0	0.001
CAMP	9:30	C-1	0.0	0.020
Breathing Zone	9:30	BZ-1	0.0	0.002
CAMP	9:45	C-1	0.0	0.015
Breathing Zone	9:45	BZ-1	0.0	0.004
CAMP	10:00	C-1	0.0	0.018
Breathing Zone	10:00	BZ-1	0.0	0.004
CAMP	10:15	C-1	0.0	0.014
Breathing Zone	10:15	BZ-1	0.0	0.005
CAMP	10:30	C-1	0.0	0.040
Breathing Zone	10:30	BZ-1	0.0	0.006
CAMP	10:45	C-1	0.0	0.035

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
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AIR MONITORING REPORT SHEET (Continued)

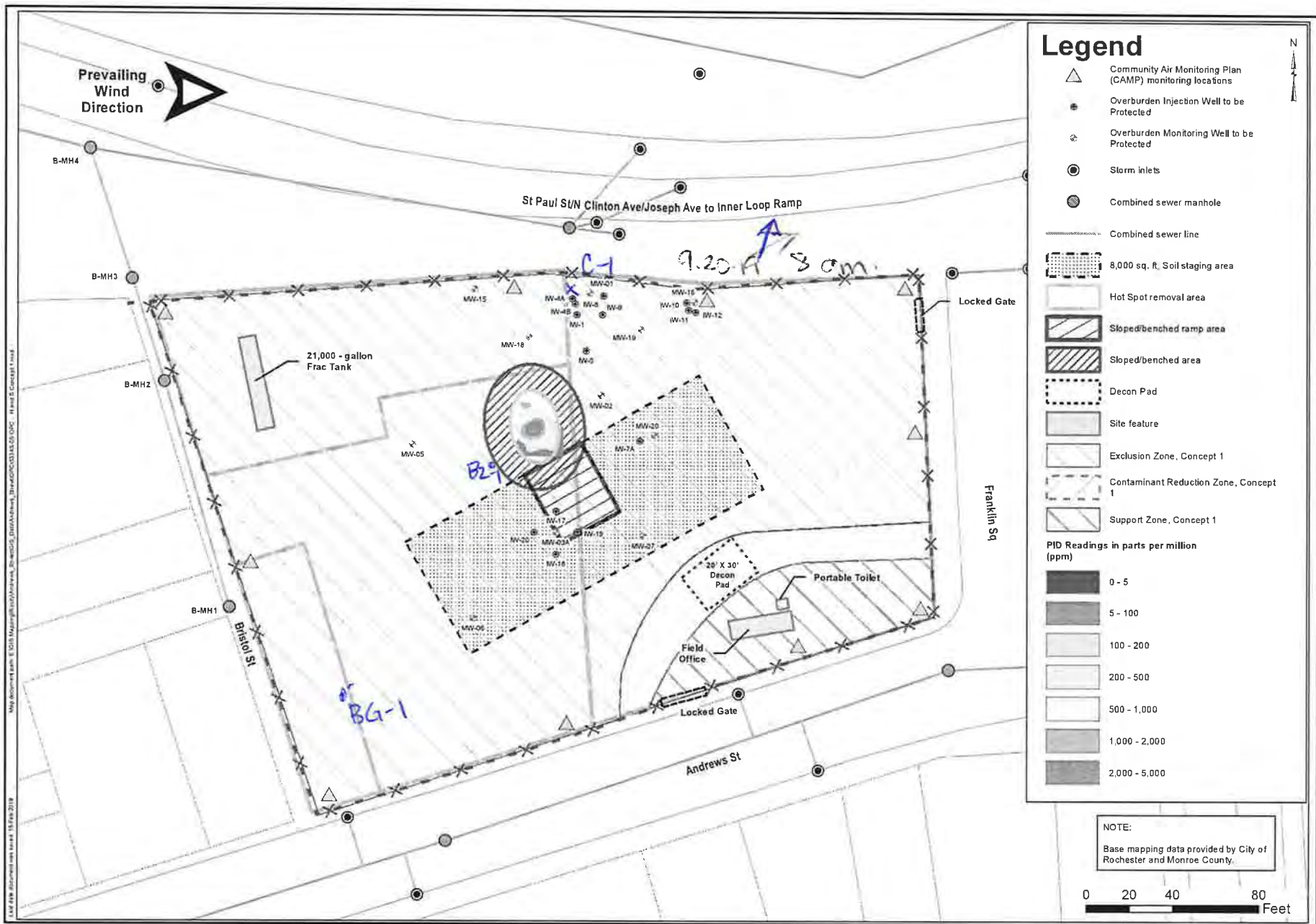
DATE: 9/20/19
JOB #: 53345-19

PAGE: 2 OF 3

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Breathing Zone	10:45	BZ-1	0.0	0.009
CAMP	11:00	C-1	0.0	0.030
Breathing Zone	11:00	BZ-1	0.0	0.006
CAMP	11:45	C-1	0.0	0.027
Breathing Zone	11:15	BZ-1	0.0	0.005
CAMP	11:30	C-1	0.0	0.024
Breathing Zone	11:30	BZ-1	0.0	0.003
CAMP	11:45	C-1	0.0	0.039
Breathing Zone	11:45	BZ-1	0.0	0.008
CAMP	12:00	C-1	0.0	0.031
Breathing Zone	12:00	BZ-1	0.0	0.029
CAMP	12:15	C-1	0.0	0.018
Breathing Zone	12:15	BZ-1	0.0	0.011
CAMP	12:45	C-1	0.0	0.013
Breathing Zone	12:45	BZ-1	0.0	0.006
CAMP 1	13:00	C-1	0.0	0.020
Breathing Zone	13:00	BZ-1	0.0	0.008
CAMP	13:15	C-1	0.0	0.023
Breathing Zone	13:15	BZ-1	0.0	0.006
CAMP	13:30	C-1	0.0	0.022
Breathing Zone	13:30	BZ	0.0	0.006
CAMP	13:45	C-1	0.0	0.021
Breathing Zone	13:45	BZ	0.0	0.007
CAMP 1	14:00	C-1	0.0	0.019
Breathing Zone	14:00	BZ	0.0	0.006
CAMP 1	14:15	C-1	0.0	0.009
Breathing Zone	14:15	BZ-1	0.0	0.006
CAMP 1	14:30	C-1	0.0	0.018
Breathing Zone	14:30	BZ-1	0.0	0.006
CAMP 1	14:45	C-1	0.0	0.020
Breathing Zone	14:45	BZ-1	0.0	0.006
Stop	14:50			

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

3.53



Map documents path: E:\GIS\MapInfo\2018\Projects\Bioscience\Bioscience_District\Bioscience_District.mxd, Project: 02-2019-001, Date: 02-15-2019 11:44:48 AM, User: jg...

DATE	02-2019
DRAWN BY	JAD
CHECKED BY	CPS
DATE	02-2019
SCALE	AS NOTED

day
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 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

300 N. 304, 308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT NYSDDEC SITE NO. E828144

Site Layout, Plan with Health and Safety Control
 Zones and CAMP Monitoring Locations

Page No:
 5334S-17
FIGURE 2

AIR MONITORING REPORT SHEET

DATE: 9/23/2019

PAGE: 1 OF 3

JOB #: 53345-17

SITE: Andrews Street Site (E828144)

BY: J. Danzinger

ON-SITE: 800 OFF-SITE: 1410

WEATHER CONDITIONS: cloudy 75-80°F PREVAILING WIND DIRECTION: W → E

PERSONNEL ON-SITE: TREC, DAY, City, Terrain

NOTES: Backfilling Excavation with CR2
0850 - work stopped ^{with heavy} backfill (imported CR2) to window
0915 - load of CR2 imported - resume backfilling
1210 - 1230 - waiting for stone

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	0815	Background B61	0.0	0.006
CAMP	0835	C-1	0.0	0.024
CAMP	0911	C-2	0.0	0.007
CAMP	0927	C-2	0.0	0.018
CAMP	0944	C-2	0.0	0.008
CAMP	1000	C-2	0.0	0.012
CAMP	1015	C-2	0.0	0.009
CAMP	1030	C-2	0.0	0.021
CAMP	1045	C-2	0.0	0.013
CAMP	1100	C-2	0.0	0.013
CAMP	1115	C-2	0.0	0.019
CAMP	1130	C-2	0.0	0.017
CAMP	1145	C-2	0.0	0.011
CAMP	1200	C-2	0.0	0.013
CAMP	1245	C-2	0.0 0.2	0.009
CAMP	1300	C-2	0.3	0.007
CAMP	1315	C-2	0.0	0.006
CAMP	1330	C-2	0.0	0.005
CAMP	1345	C-2	0.0	0.004
CAMP	1400	C-2	0.2	0.007

light rain /
moisture in
air

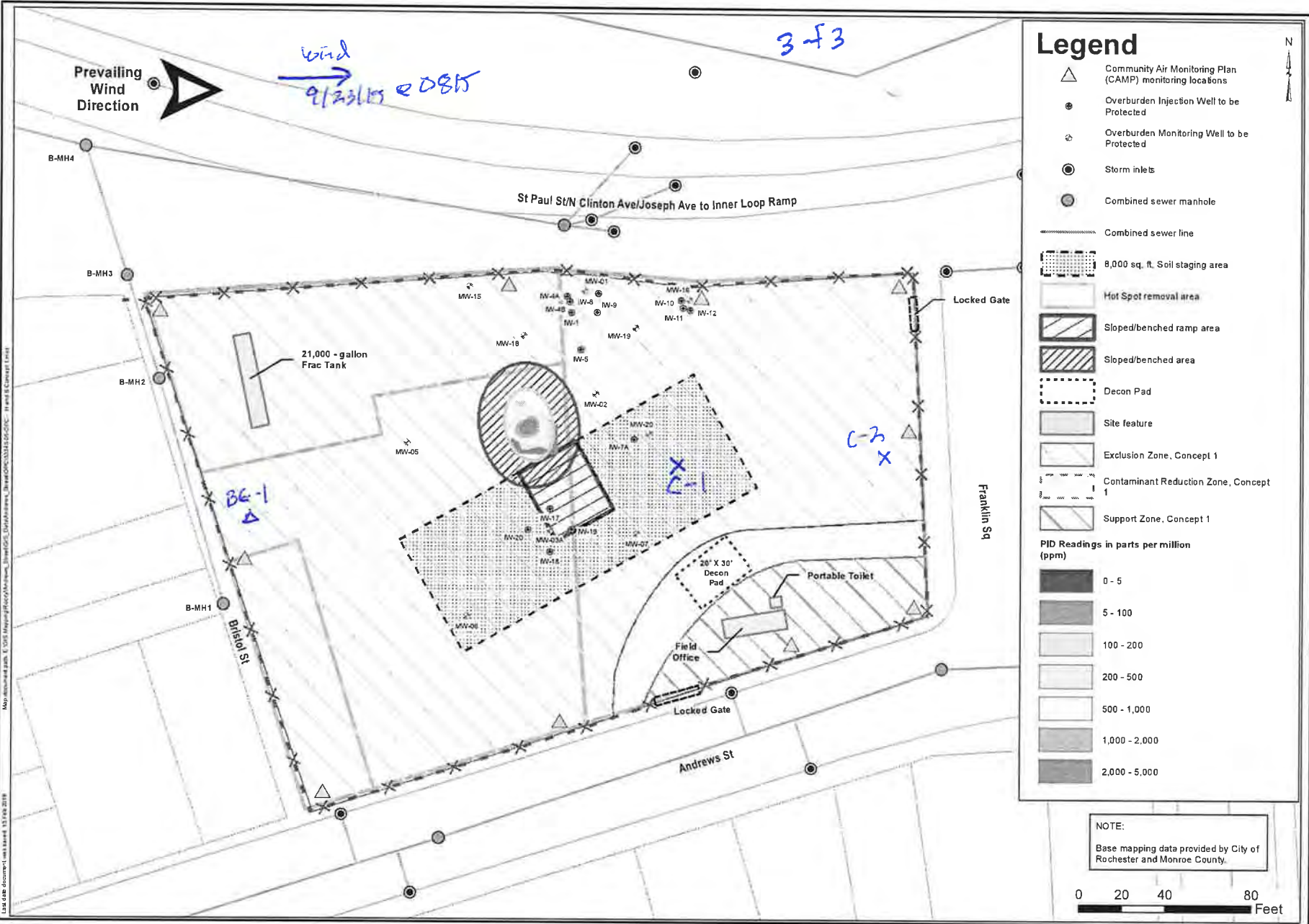
- Steady
Rain

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

3-53

3-53

wind
9/23/19 @ 0815



Map produced with: E:\GIS\MapInfo\Projects\GIS\Bioscience\Bioscience_02\031319\031319_SiteMap.mxd 11/10/2019

Legend

- Community Air Monitoring Plan (CAMP) monitoring locations
- Overburden Injection Well to be Protected
- Overburden Monitoring Well to be Protected
- Storm inlets
- Combined sewer manhole
- Combined sewer line
- 8,000 sq. ft. Soil staging area
- Hot Spot removal area
- Sloped/benched ramp area
- Sloped/benched area
- Decon Pad
- Site feature
- Exclusion Zone, Concept 1
- Contaminant Reduction Zone, Concept 1
- Support Zone, Concept 1

PID Readings in parts per million (ppm)

- 0 - 5
- 5 - 100
- 100 - 200
- 200 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 5,000

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

0 20 40 80 Feet

DESIGNED BY	JAD	DATE	02-2019
DRAWN BY	EMELIKAWN		
CHECKED BY	CPS	SCALE	02-2019
AS NOTED	AS NOTED		02-15-2019

day
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Environmental Consultants
Rochester, New York 14606
New York, New York 10170

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

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO. E828144

Site Layout Plan with Health and Safety Control Zones and CAMP Monitoring Locations

Project No. 5334S-17

FIGURE 2



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 9/24/2019

PAGE: 1 OF 3

JOB #: 53345-17

SITE: Andrews Street Site (E828144)

BY: J Danzinger

ON-SITE: 0745 OFF-SITE: _____

WEATHER CONDITIONS: Cloudy 65-70°F PREVAILING WIND DIRECTION: NW → SE

PERSONNEL ON-SITE: TREC, DAY, Cdu

NOTES: Backfilling Excavation with impacted CR-2 and cover system
CR-2

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	0820	BG-1	0.0	0.003
CAMP	0845	C-1	0.0	0.005
CAMP	0900	C-1	0.0	0.003
CAMP	0915	C-1	0.0	0.004
CAMP	0930	C-1	0.1	0.003
CAMP	0945	C-1	0.5	0.005
CAMP	10:00	C-1	0.1	0.004
CAMP	10:15	C-1	0.7	0.004
CAMP	10:30	C-1	0.5	0.005
CAMP	1045	C-1	0.0	0.007
CAMP	11:00	C-1	0.0	0.005
CAMP	1115	C-1	0.0	0.006
CAMP	1130	C-1	0.0	0.005
CAMP	1145	C-1	0.0	0.006
CAMP	12:00	C-1	0.0	0.008
CAMP	1215	C-1	0.0	0.006
CAMP	1230	C-1	0.0	0.006
CAMP	1245	C-1	0.0	0.006
CAMP	1300	C-1	0.0	0.009
CAMP	1315	C-1	0.0	0.008

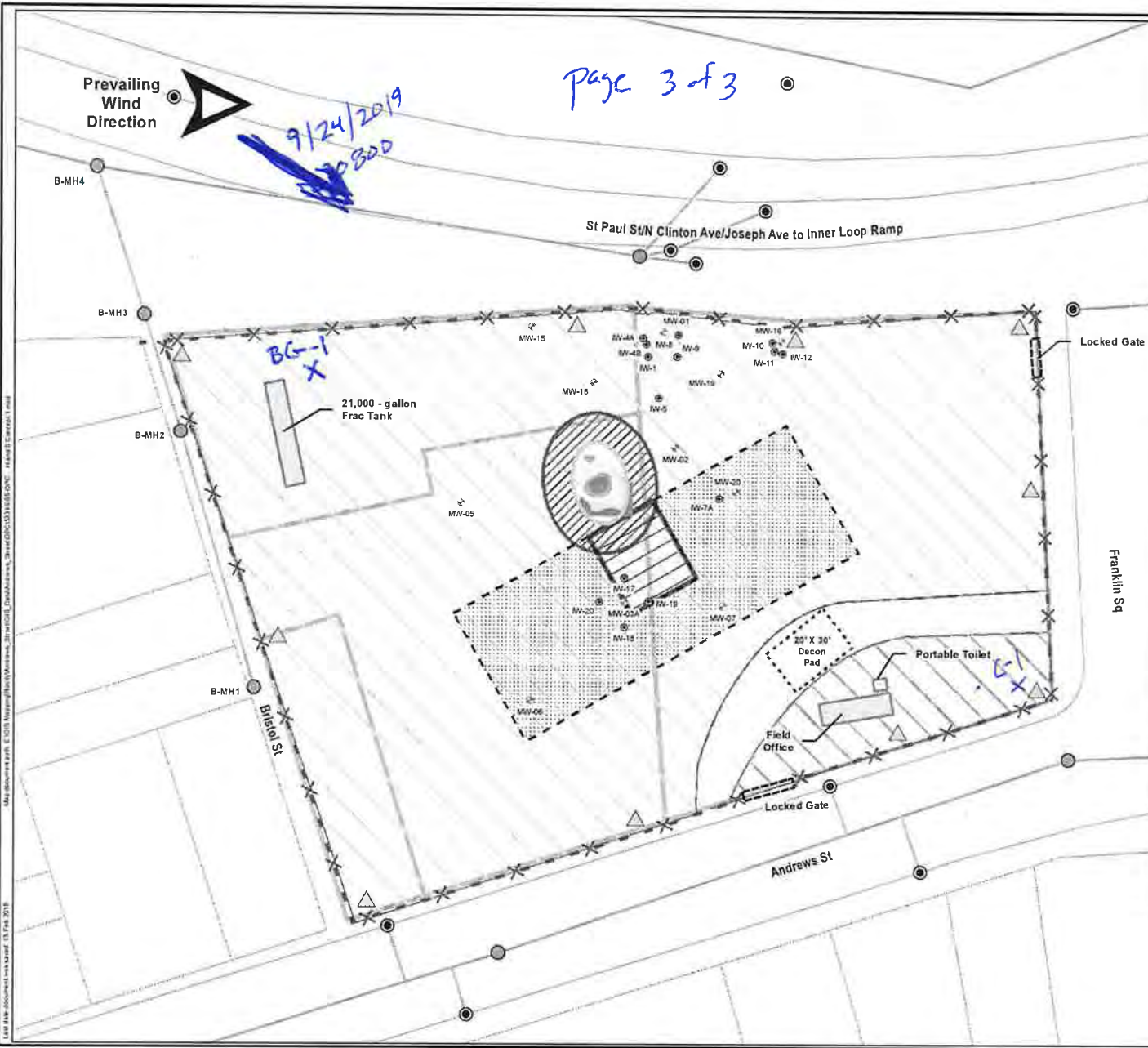
DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

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Map documents are dated 03/28/2019. Map documents are dated 03/28/2019. Map documents are dated 03/28/2019. Map documents are dated 03/28/2019. Map documents are dated 03/28/2019.



Page 3 of 3

9/24/2019
 20800

BG-1
 X

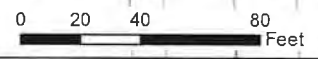
Legend

- Community Air Monitoring Plan (CAMP) monitoring locations
- Overburden Injection Well to be Protected
- Overburden Monitoring Well to be Protected
- Storm inlets
- Combined sewer manhole
- Combined sewer line
- 8,000 sq. ft. Soil staging area
- Hot Spot removal area
- Sloped/benched ramp area
- Sloped/benched area
- Decon Pad
- Site feature
- Exclusion Zone, Concept 1
- Contaminant Reduction Zone, Concept 1
- Support Zone, Concept 1

PID Readings in parts per million (ppm)

- 0 - 5
- 5 - 100
- 100 - 200
- 200 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 5,000

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



DESIGNED BY	JAD	DATE	02-2019
DRAWN BY	CPS	DATE	02-2019
SCALE	AS NOTED	DATE ISSUED	02-15-2019

day
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 Environmental Consultants
 Rochester, New York 14608
 New York, New York 10170

Project No: 53345-17
 Project Name: ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO. E828144
 Address: 308 ANDREWS STREET AND 24 EVANS STREET ROCHESTER, NEW YORK
 Drawing Title: Site Layout Plan with Health and Safety Control Zones and CAMP Monitoring Locations

FIGURE 2



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 10/9/2019

PAGE: 1 OF 3

JOB #: 53345-17

SITE: Andrews Street Site (E828144)

BY: CCD (Day Environmental)

ON-SITE: 7:20 OFF-SITE: _____

WEATHER CONDITIONS: Clear, sunny PREVAILING WIND DIRECTION: _____

PERSONNEL ON-SITE: TREC, Day Environmental, City of R

NOTES: _____

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	7:25	BG	0.0	0.010
CAMP	7:35	CAMP	0.0	0.017
	7:45		0.0	0.015
	8:00		0.0	0.009
	8:15		0.0	0.010
	8:30		0.0	0.010
	8:45		0.0	0.017
	9:00		0.0	0.017
	9:15		0.2	0.016
	9:30		0.0	0.016
Wind II (change)	9:35	BG II C1	0.0	0.013
	9:40	CAMP 2	0.0	0.014
	10:00	C2	0.0	0.013
	10:15		0.0	0.012
	10:30		0.0	0.010
	10:45		0.0	0.009
Wind III (change)	11:00	BG2-C2	0.0	0.008
CAMP 3	11:05	C3	0.0	0.008
	11:15		0.0	0.008
	11:30		0.0	0.008

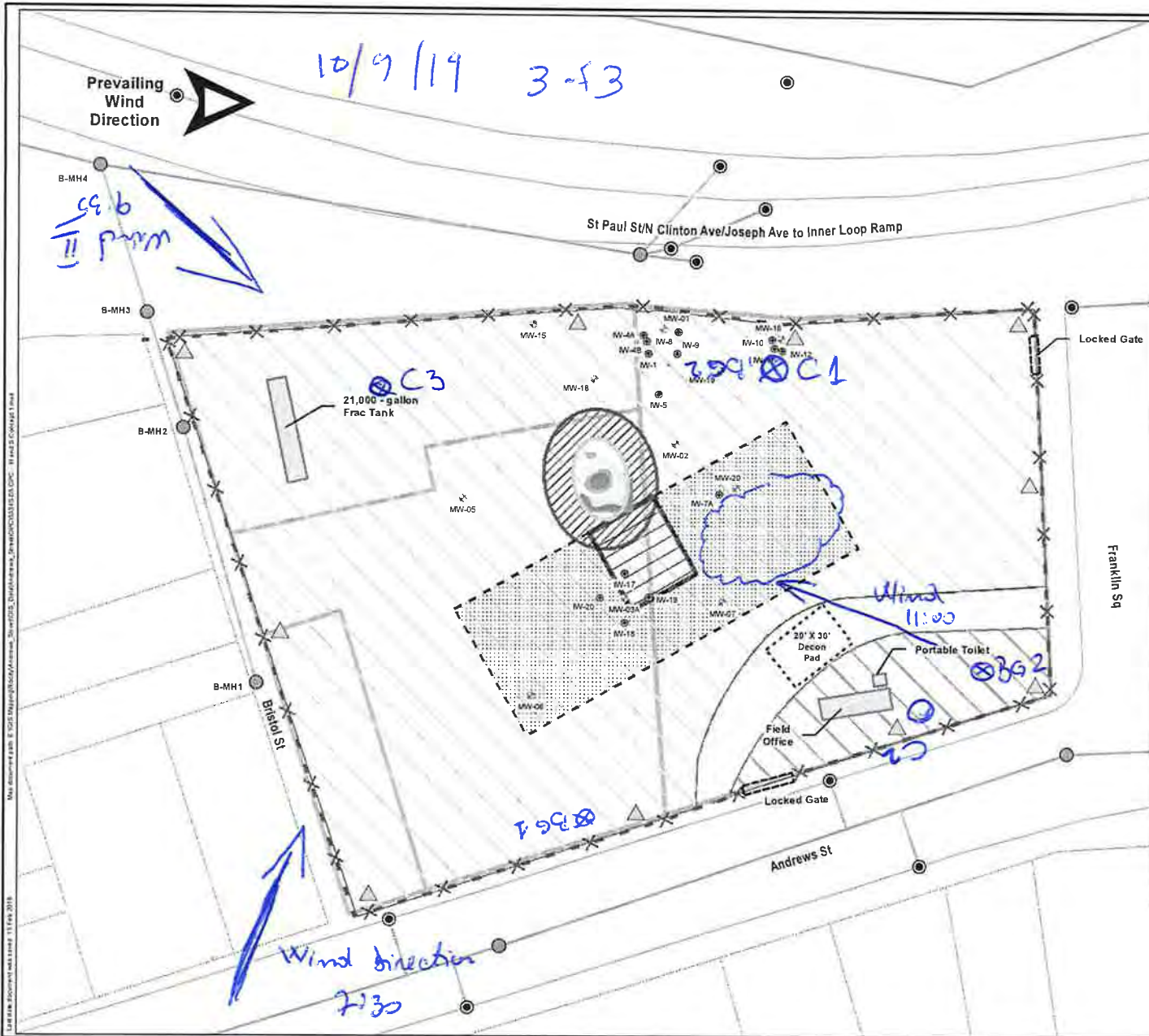
DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

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Map document path: C:\GIS\MapInfo\Projects\MapInfo\2018\20180225_20180225\20180225.DWG - 11 Feb 2018
 Map document path: C:\GIS\MapInfo\Projects\MapInfo\2018\20180225_20180225\20180225.DWG - 11 Feb 2018



Legend

- Community Air Monitoring Plan (CAMP) monitoring locations
- Overburden Injection Well to be Protected
- Overburden Monitoring Well to be Protected
- Storm inlets
- Combined sewer manhole
- Combined sewer line
- 8,000 sq. ft. Soil staging area
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PID Readings in parts per million (ppm)

- 0 - 5
- 5 - 100
- 100 - 200
- 200 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 5,000

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

0 20 40 80 Feet

DESIGNED BY	JAD	DATE	02-2019
DRAWN BY	CPS	DATE	02-2019
SCALE	AS NOTED	DATE ISSUED	02-15-2019

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 New York, New York 10170

Project No:
 300-304-308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK
 ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO. E826144
 Drawing Title:
 Site Layout Plan with Health and Safety Control
 Zones and CAMP Monitoring Locations

Project No:
 5334S-17
FIGURE 2



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 10/10/2019

PAGE: 1 OF 3

JOB #: 53345-17

SITE: Andrews Street Site (E828144)

BY: J. Danzinger

ON-SITE: 0715 OFF-SITE: 1315

WEATHER CONDITIONS: Sunny 35-65°f PREVAILING WIND DIRECTION: From SW

PERSONNEL ON-SITE: DAY, TREC

NOTES: 0745 - start disturbance of soil pile - readying for load out
0755 - start loading out 1st trucks

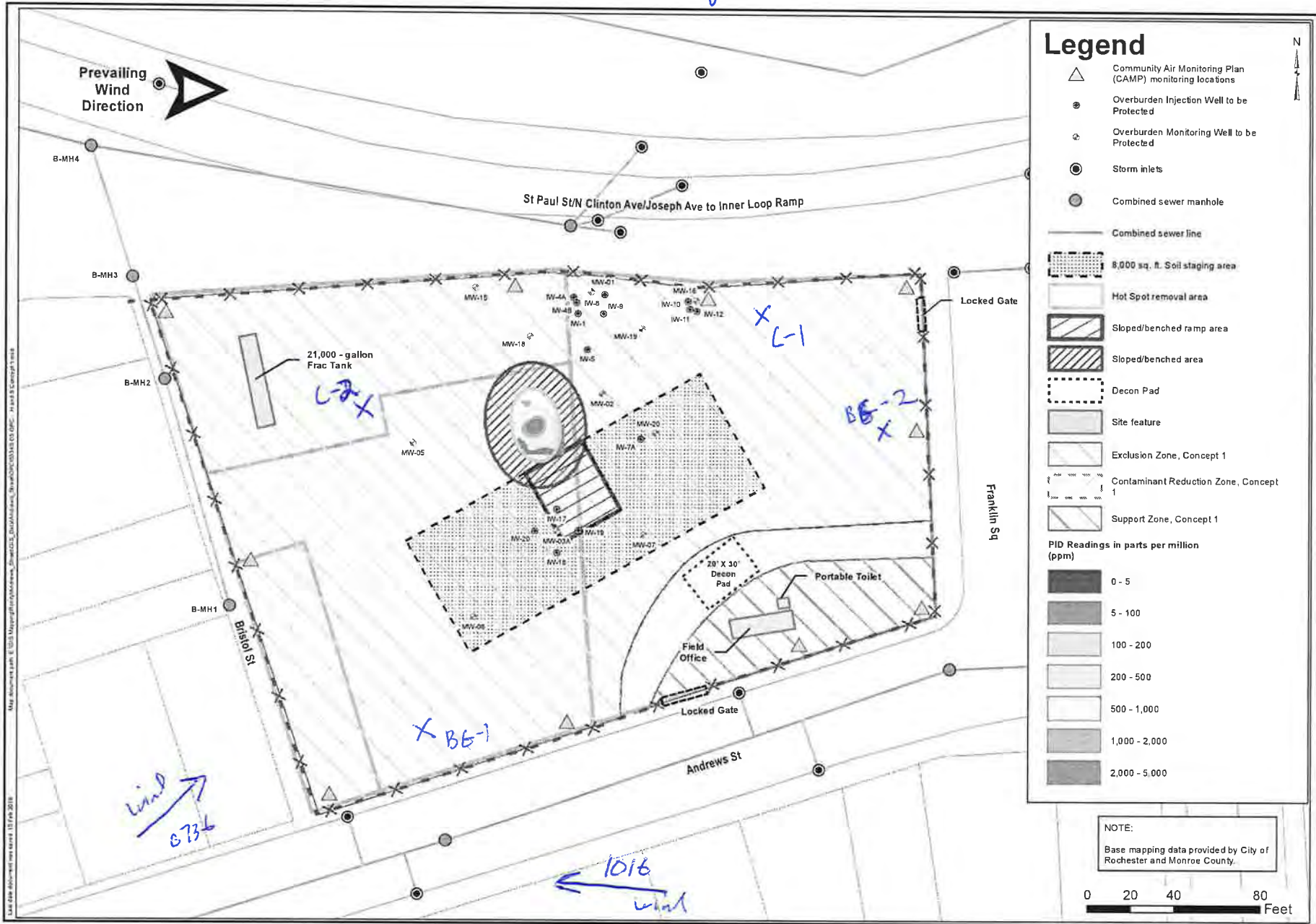
DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	0736	BG-1	0.0	0.008
CAMP	0800	C-1	0.0	0.004
CAMP	0815	C-1	0.0	0.005
CAMP	0830	C-1	0.0	0.007
CAMP	0845	C-1	0.1	0.009
CAMP	0900	C-1	0.1	0.007
CAMP	0915	C-1	0.1	0.007
CAMP	0932	C-1	0.1	0.006
CAMP	0945	C-1	0.0	0.006
CAMP	1000	C-1	0.0	0.006
CAMP	1015	C-1	0.0	0.005
Background	1016	BG-2	0.0	0.006
CAMP	1032	C-2	0.0	0.010
CAMP	1045	C-2	0.0	0.009
CAMP	1100	C-2	0.0	0.007
CAMP	1115	C-2	0.0	0.006
CAMP	1130	C-2	0.0	0.005
CAMP	1145	C-2	0.1	0.008
CAMP	1200	C-2	0.0	0.006
CAMP	1215	C-2	0.0	0.006

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
S:/fieldforms/Air Monitoring

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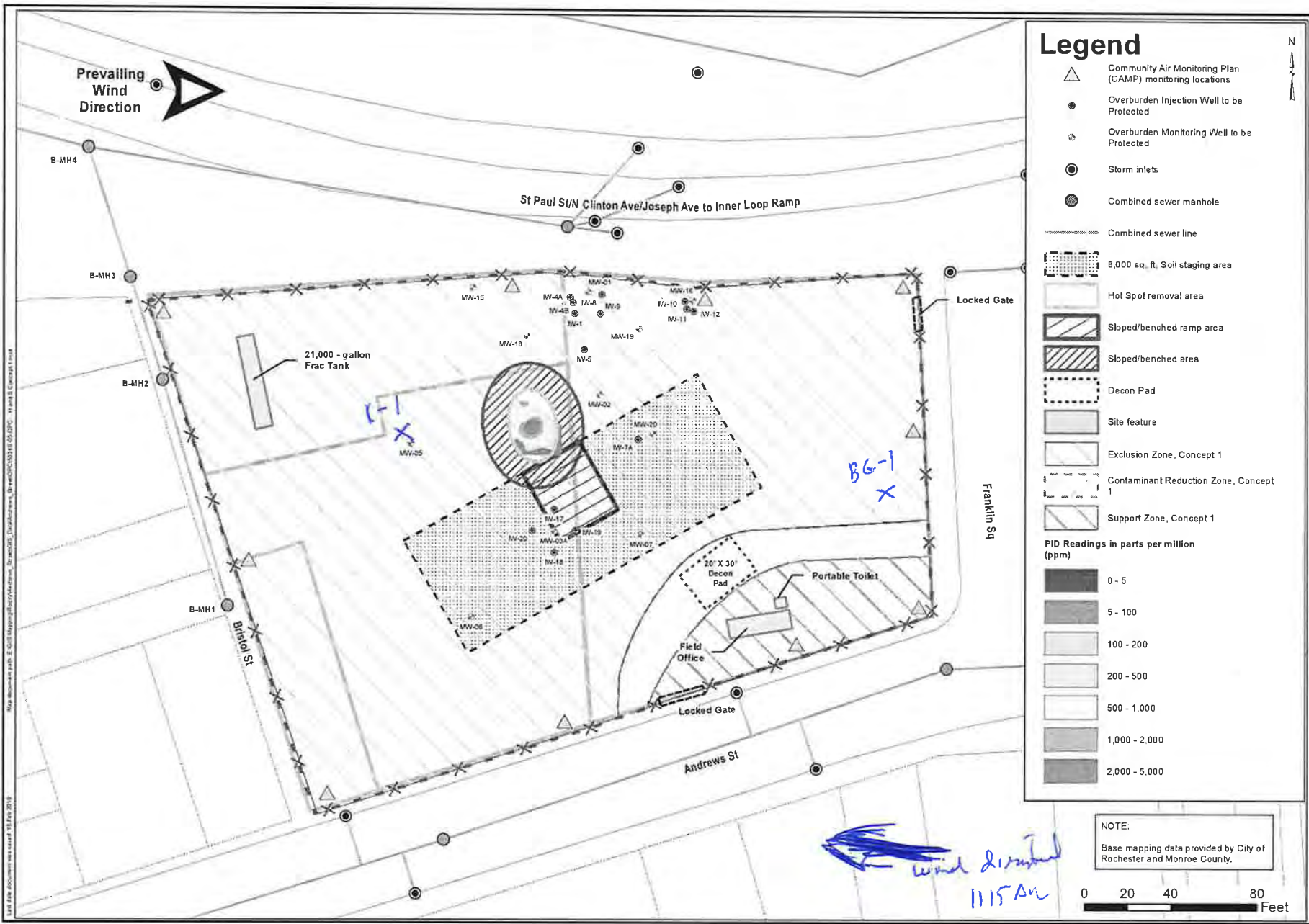
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JAD	02-2019	CPS	02-2019		02-15-2019
		AS NOTED			

day
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Project Site: 300, 304, 306, 320 ANDREWS STREET AND 100 ANDREWS STREET ROCHESTER, NEW YORK
 ENVIRONMENTAL RESTORATION PROJECT NYSDDEC SITE NO. ER28144
 (Drawing 1 of 4)
 Site Layout Plan with Health and Safety Control Zones and CAMP Monitoring Locations

Project No: 5334S-17
FIGURE 2

2 of 2



DESIGNED BY	JAD	DATE	02-2019
DRAWN BY	CPS	DATE	02-2019
SCALE	AS NOTED	DATE ISSUED	02-15-2019

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 New York, New York 10770

Project No. 5334S-17
 300, 304-308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT NYSDDES SITE NO. E828144

Site Layout Plan with Health and Safety Control Zones and CAMP Monitoring Locations

FIGURE 2

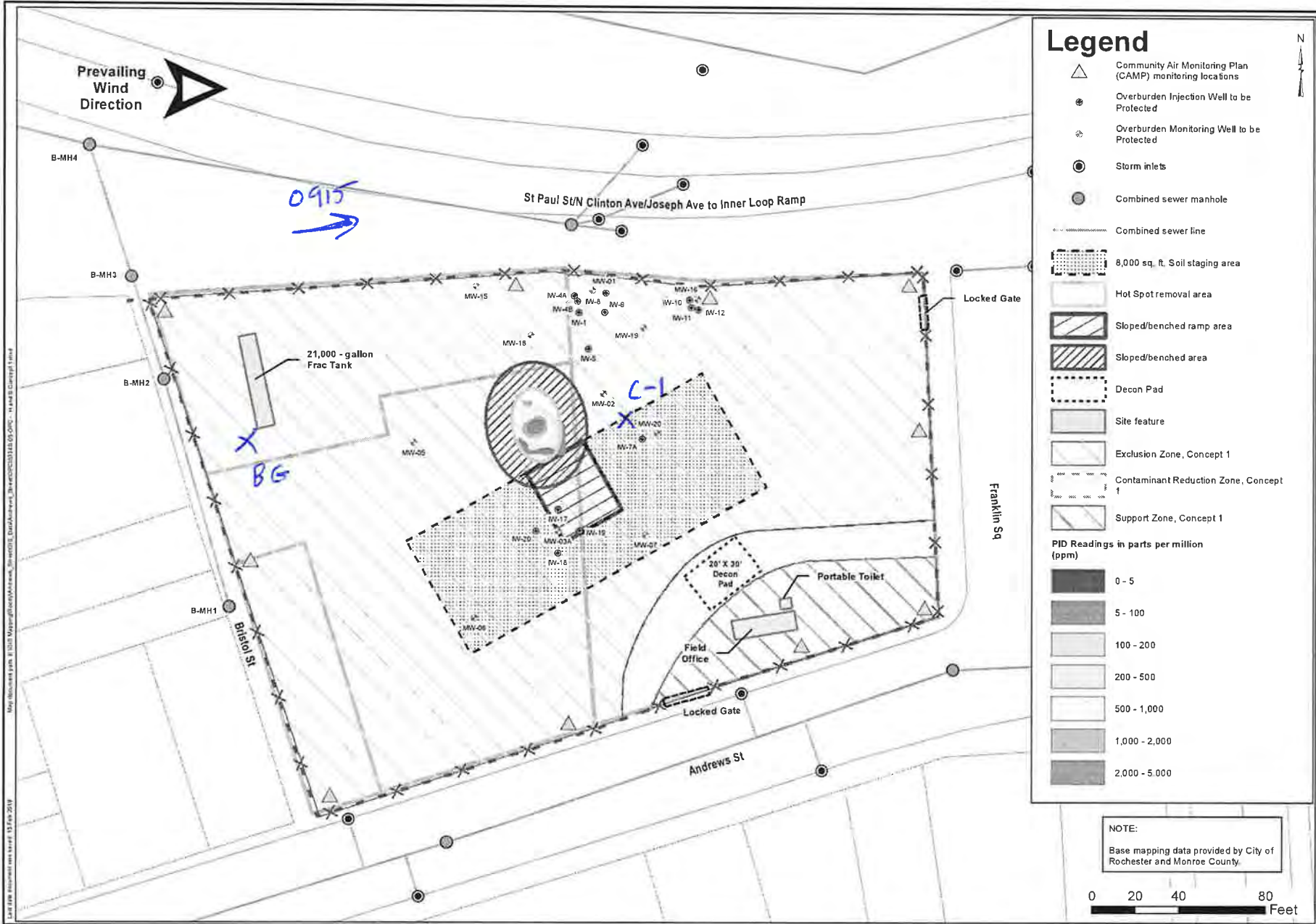
Map information with E. coli mapping data provided by the City of Rochester, New York. Date of data: 02/15/2019

wind direction
1115 AM

10-11-19

2.52

10-11-19



Map information from: © 2015 Mapbox (http://mapbox.com/), © 2015 Mapbox (http://mapbox.com/), © 2015 Mapbox (http://mapbox.com/), © 2015 Mapbox (http://mapbox.com/), © 2015 Mapbox (http://mapbox.com/)

DESIGNED BY	JAD	DATE	02-2019
DRAWN BY	CPS	DATE	02-2019
SCALE	AS NOTED	DATE	02-15-2019

day
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 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

304, 308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO. ER28144

Site Layout Plan with Health and Safety Control Zones and CAMP Monitoring Locations

Project No:
 5334S-17

FIGURE 2

APPENDIX D
Well Decommissioning Records
(Refer to CD)

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <i>Andrews St Site (EB2B144)</i>	Well I.D.: <i>IW-14</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Jim Agas</i>
Drilling Co.: <i>TREC Env.</i>	Inspector: <i>J. Denzinger</i>
	Date: <i>9/4/2019</i>

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

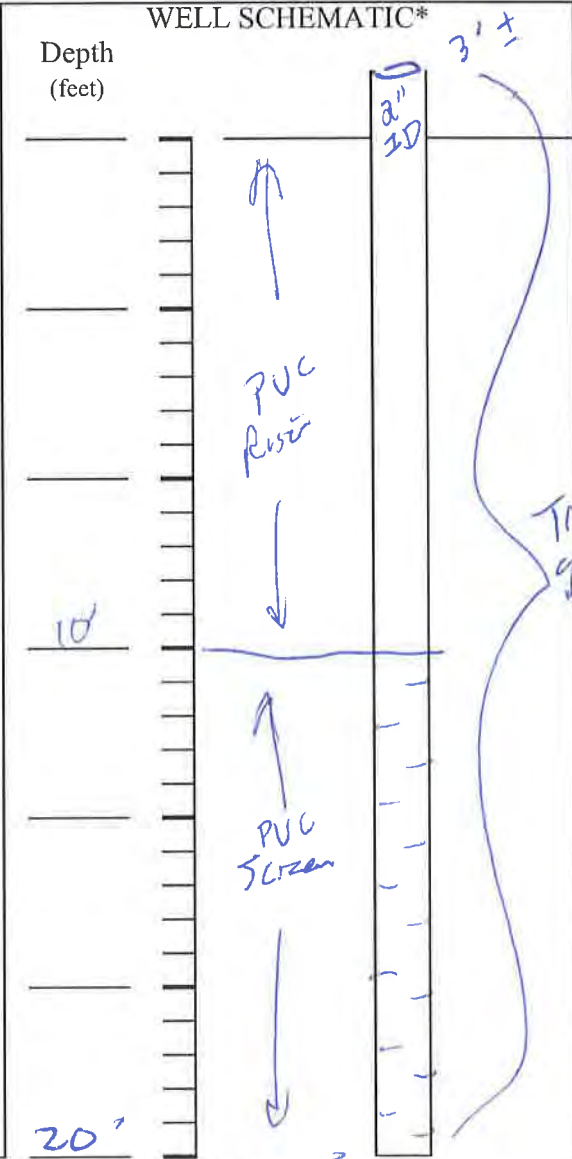
CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

*- 96 lbs Portland Cement
- 4 1/2 buckets
- 7.5 gal water*

Interval grouted (FBLs)	<i>0-20', plus stick up</i>
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	<i>6.8 gal</i>



COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <i>Andromed Site (E828144)</i>	Well I.D.: <i>IW-15</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Jim Agiv</i>
Drilling Co.: <i>TREC Env.</i>	Inspector: <i>J. Danzinger</i>
	Date: <i>9/4/2019</i>

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in.)	

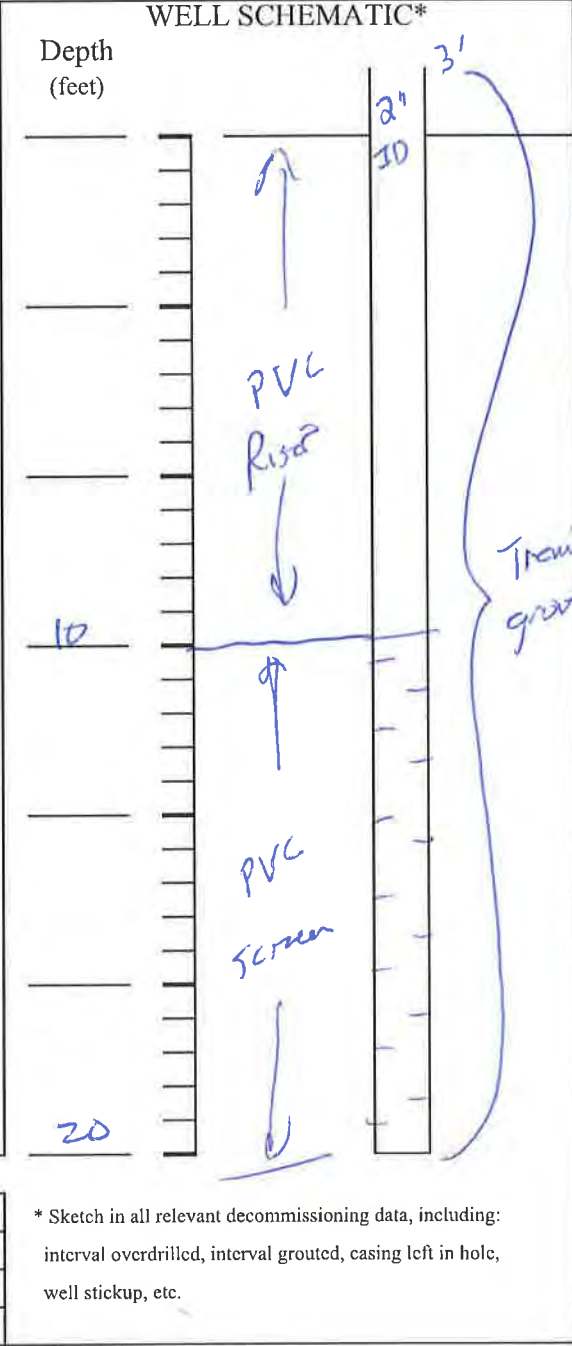
CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	<i>0-20 + strike up</i>
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	<i>6-8 gal</i>

*96 lbs Portland Cement
4 gal Bentonite
7.5 gallon H₂O*



COMMENTS:

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <i>Andrews St. Site</i>	Well I.D.: <i>JW-21</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Jim Agur</i>
Drilling Co.: <i>TREC Env.</i>	Inspector: <i>J. Dan Zimpfer</i>
	Date: <i>9/4/2019</i>

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

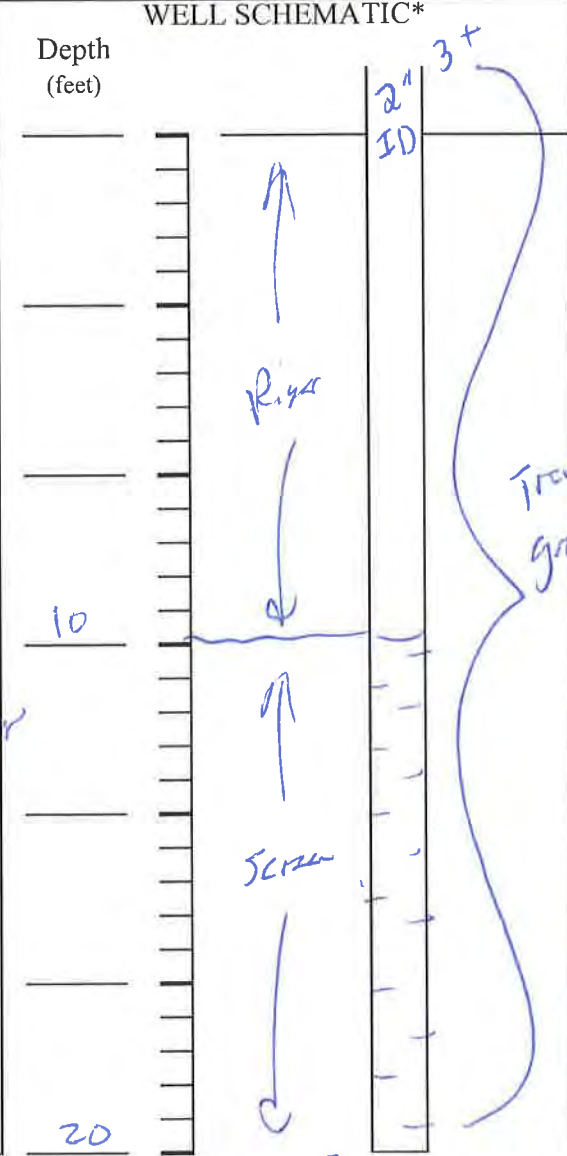
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	<i>0-20 + 5 pickup</i>
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	<i>6-8 gal</i>

*96 lb Portland
4 lb Bentonite
7.5 gal H₂O*

*2 Celco Crumbler
#3*



COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <u>Andrew St. Site (EB2B144)</u>	Well I.D.: <u>IW-6</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

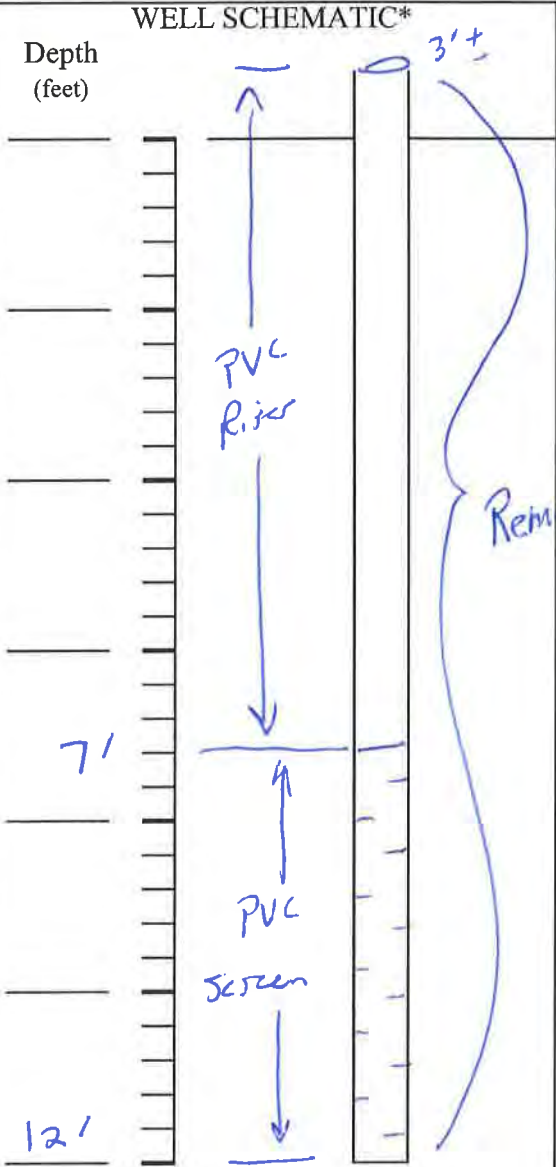
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Andrew St. Site (E828144)</u>	Well I.D.: <u>IW-13</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

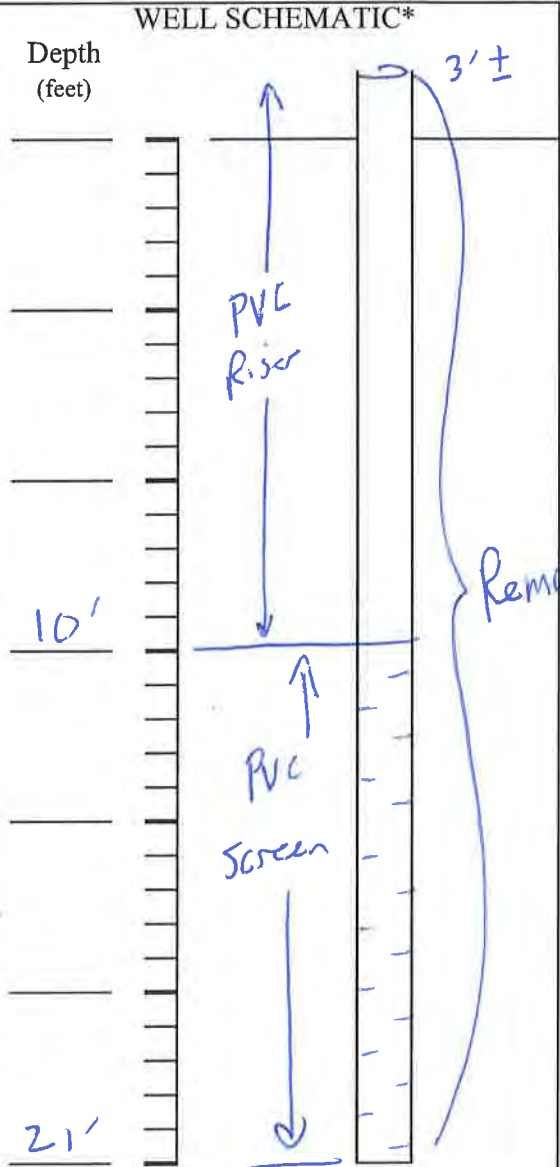
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Andrew St. Site (E828144)</u>	Well I.D.: <u>IW-16</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

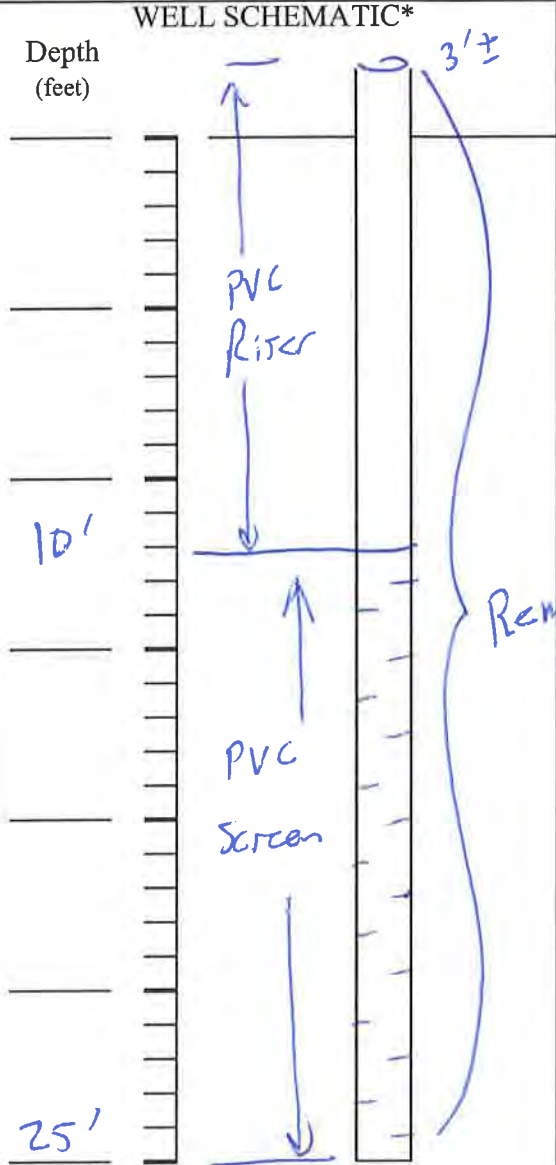
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <u>Andrew St. Site (E828144)</u>	Well I.D.: <u>IW-22</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

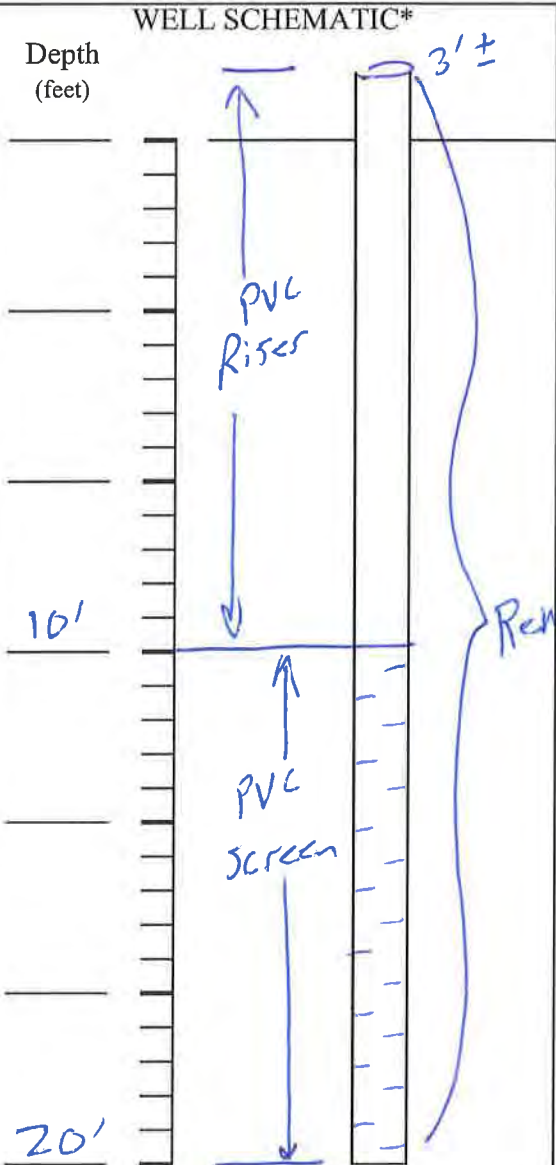
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Andrew St. Site (E828144)</u>	Well I.D.: <u>IW-23</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

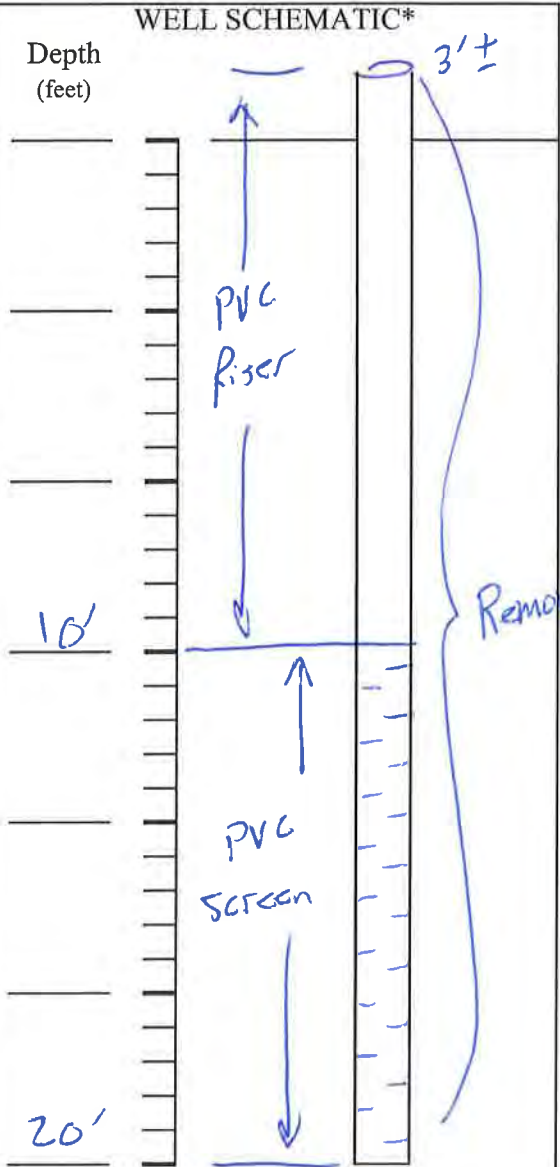
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Andrew St. Site (E828144)</u>	Well I.D.: <u>IW-24</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

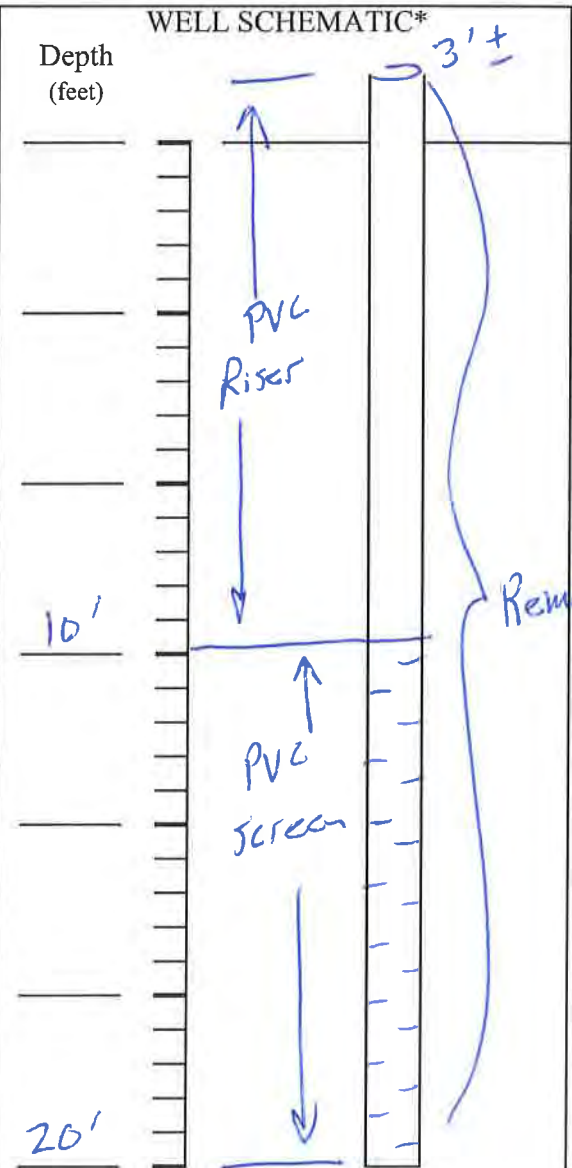
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



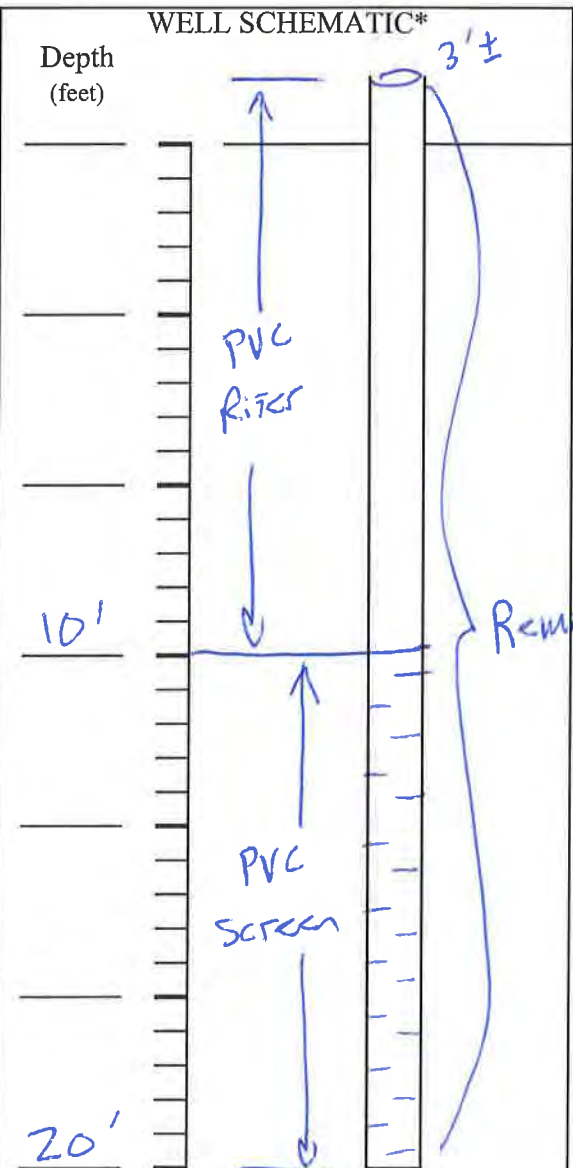
COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <u>Andrew St. Site (EB28144)</u>	Well I.D.: <u>IW-25</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA (Fill in all that apply)	
<u>OVERDRILLING</u>	
Interval Drilled	<input type="text"/>
Drilling Method(s)	<input type="text"/>
Borehole Dia. (in.)	<input type="text"/>
Temporary Casing Installed? (y/n)	<input type="text"/>
Depth temporary casing installed	<input type="text"/>
Casing type/dia. (in.)	<input type="text"/>
Method of installing	<input type="text"/>
<u>CASING PULLING</u>	
Method employed	<input type="text"/>
Casing retrieved (feet)	<input type="text"/>
Casing type/dia. (in)	<input type="text"/>
<u>CASING PERFORATING</u>	
Equipment used	<input type="text"/>
Number of perforations/foot	<input type="text"/>
Size of perforations	<input type="text"/>
Interval perforated	<input type="text"/>
<u>GROUTING</u>	
Interval grouted (FBLs)	<input type="text"/>
# of batches prepared	<input type="text"/>
For each batch record:	
Quantity of water used (gal.)	<input type="text"/>
Quantity of cement used (lbs.)	<input type="text"/>
Cement type	<input type="text"/>
Quantity of bentonite used (lbs.)	<input type="text"/>
Quantity of calcium chloride used (lbs.)	<input type="text"/>
Volume of grout prepared (gal.)	<input type="text"/>
Volume of grout used (gal.)	<input type="text"/>



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Andrew St. Site (EB28144)</u>	Well I.D.: <u>IW-26</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

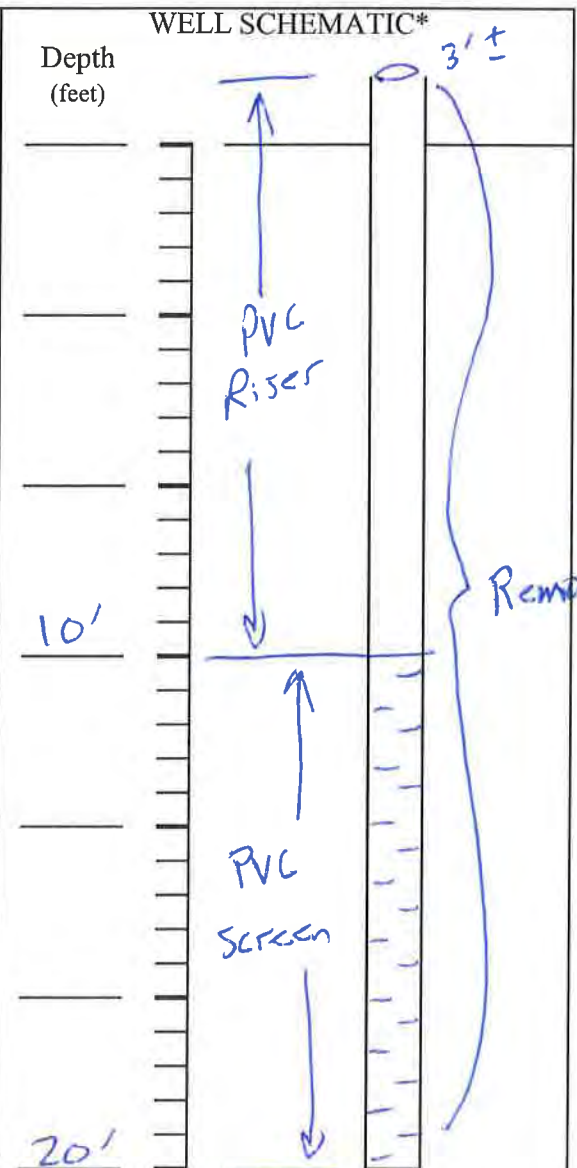
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in.)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <u>Andrew St. Site (EB28144)</u>	Well I.D.: <u>IW-27</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

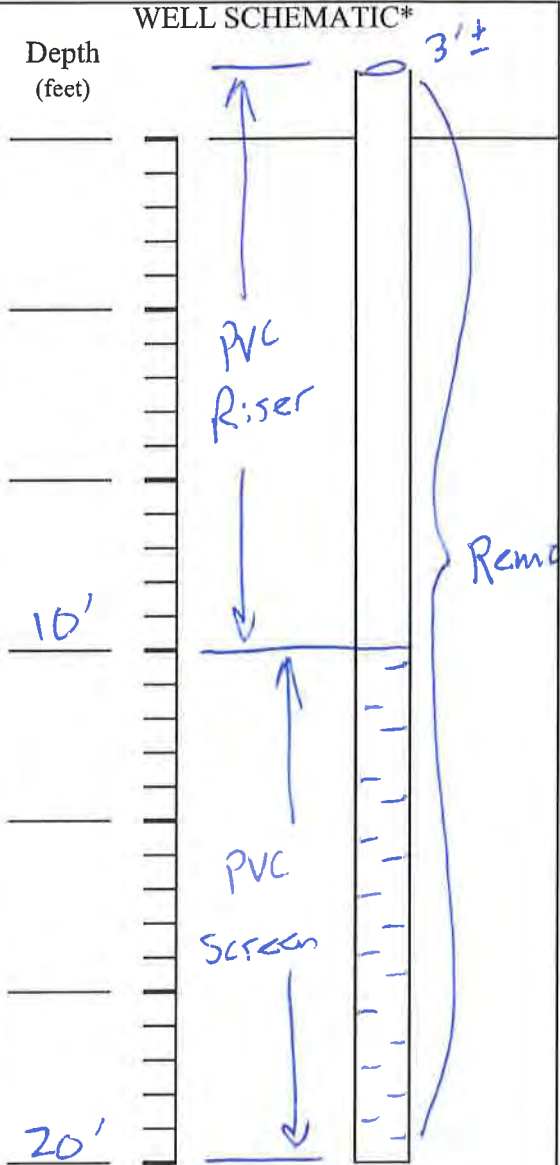
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Andrew St. Site (EB2B144)</u>	Well I.D.: <u>IW-2B</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

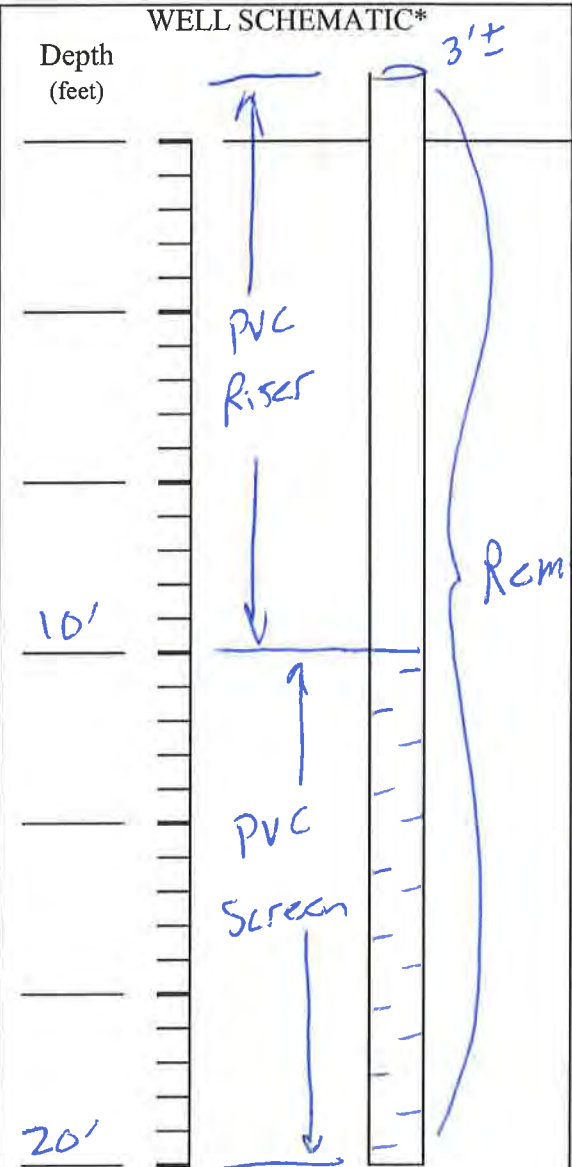
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Andrew St. Site (EB2B144)</u>	Well I.D.: <u>IW-29</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

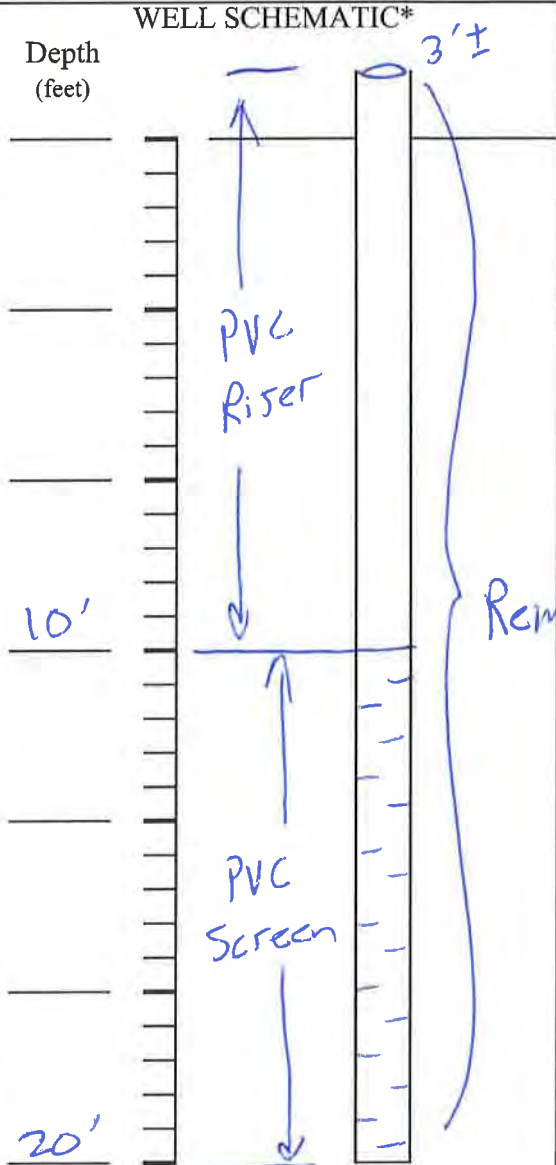
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



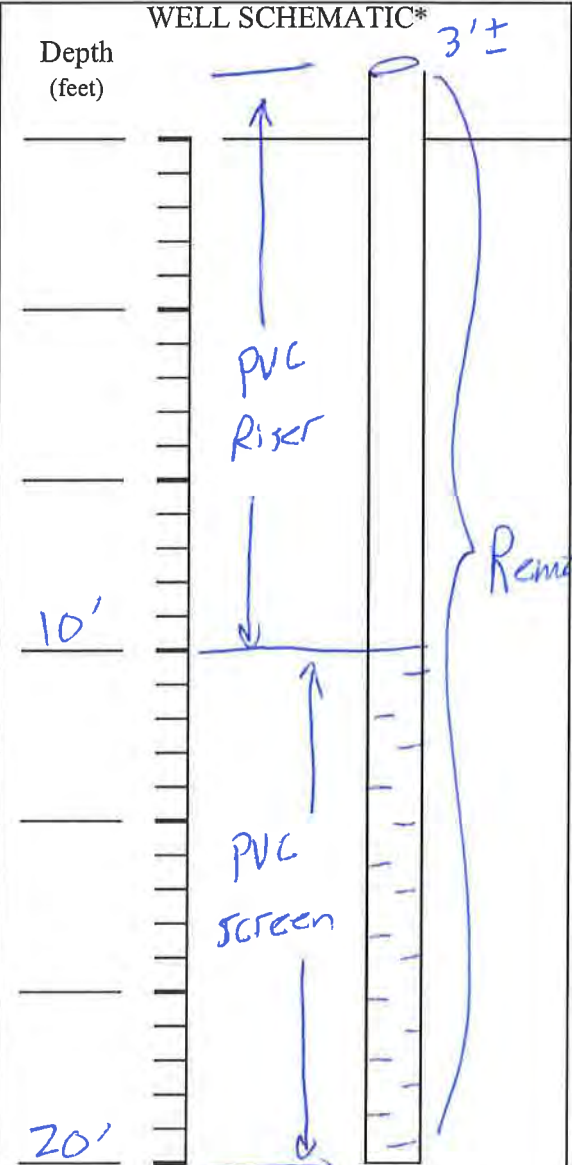
COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Andrew St. Site (E828144)</u>	Well I.D.: <u>IW-30</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA (Fill in all that apply)	
<u>OVERDRILLING</u>	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
<u>CASING PULLING</u>	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
<u>CASING PERFORATING</u>	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
<u>GROUTING</u>	
Interval grouted (FBLs)	
# of batches prepared	
<u>For each batch record:</u>	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	



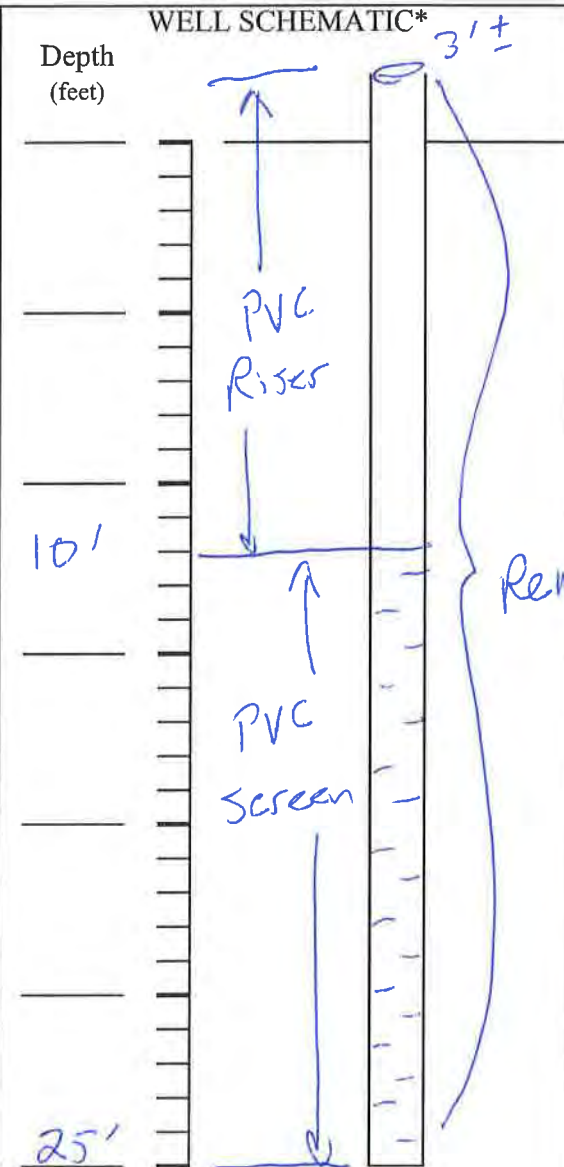
COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <u>Andraw St. Site (E828144)</u>	Well I.D.: <u>MW-17</u>
Site Location: <u>Rochester, NY</u>	Driller:
Drilling Co.: <u>TREC Env.</u>	Inspector:
Date: <u>9-9-2019 to 9-13-2019</u>	

DECOMMISSIONING DATA (Fill in all that apply)	
<u>OVERDRILLING</u>	
Interval Drilled	<input type="text"/>
Drilling Method(s)	<input type="text"/>
Borehole Dia. (in.)	<input type="text"/>
Temporary Casing Installed? (y/n)	<input type="text"/>
Depth temporary casing installed	<input type="text"/>
Casing type/dia. (in.)	<input type="text"/>
Method of installing	<input type="text"/>
<u>CASING PULLING</u>	
Method employed	<input type="text"/>
Casing retrieved (feet)	<input type="text"/>
Casing type/dia. (in)	<input type="text"/>
<u>CASING PERFORATING</u>	
Equipment used	<input type="text"/>
Number of perforations/foot	<input type="text"/>
Size of perforations	<input type="text"/>
Interval perforated	<input type="text"/>
<u>GROUTING</u>	
Interval grouted (FBLs)	<input type="text"/>
# of batches prepared	<input type="text"/>
For each batch record:	
Quantity of water used (gal.)	<input type="text"/>
Quantity of cement used (lbs.)	<input type="text"/>
Cement type	<input type="text"/>
Quantity of bentonite used (lbs.)	<input type="text"/>
Quantity of calcium chloride used (lbs.)	<input type="text"/>
Volume of grout prepared (gal.)	<input type="text"/>
Volume of grout used (gal.)	<input type="text"/>



COMMENTS: Well completely removed during Supplemental Polishing Phase Soil Removal

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor _____

Department Representative _____

APPENDIX E
Imported Material Documentation
(Refer to CD)

Jeff Danzinger

From: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Sent: Tuesday, September 3, 2019 3:51 PM
To: Jeff Danzinger
Cc: sstockmaster@trecenv.com; Keith Hambley; Dennis Peck (City); Joe Biondolillo; Alexandra L. Zobel; Catalin Demian; Nate Simon; Heather McLennan; Kaptein, Elizabeth M (DEC)
Subject: RE: Andrews St Site, Rochester, NY (E828144)

Crusher Run #1 and Crusher Run #2 is approved for import to the Andrews Street site.

From: Jeff Danzinger <JDanzinger@daymail.net>
Sent: Tuesday, September 03, 2019 3:45 PM
To: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Cc: sstockmaster@trecenv.com; KHAMBLEY@TRECENV.COM; Dennis Peck (City) <dennis.peck@cityofrochester.gov>; Joe Biondolillo <biondj@cityofrochester.gov>; Alexandra L. Zobel <Alexandra.Zobel@CityofRochester.Gov>; Catalin Demian <cdemian@daymail.net>; Nate Simon <NSimon@daymail.net>; Heather McLennan <hmclennan@daymail.net>
Subject: Andrews St Site, Rochester, NY (E828144)
Importance: High

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Charlotte,

I received an email from Keith. TREC is looking for approval to import Crusher Run #1 (CR1) and Crusher Run #2(CR2) from the Dolomite Brockport Plant.

As shown on the attached gradation sheet, less than 10% passes through the #80 sieve for the CR1 and the CR2.

Can NYSDEC approve the import of the CR1 and CR2 from the Dolomite Brockport Plant for use at the Andrews St Site?

Jeff

*Jeffrey A. Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:114
Fax: (585) 454-0825*

This message may contain information that is privileged or confidential. If you are not the intended recipient or an employee or agent responsible for delivering this message to the intended recipient, you are not authorized to read, print, retain, copy or disseminate this message or any part of it. If you received this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.

THE DOLOMITE GROUP

DOLOMITE PRODUCTS COMPANY, INC
 MANITOU CONSTRUCTION COMPANY, INC
 ROCHESTER ASPHALT MATERIALS
 IROQUOIS ROCK PRODUCTS
 NORTHRUP MATERIALS

**MATERIAL SUBMITTAL**

1150 Penfield Road
 Rochester, N.Y. 14625
 Phone: (585) 381-7010
 Fax : (585) 381-0208

DATE: 9/3/19
PAGE: 1 of 1

TO: Keith Hambley
OF: Trec Environmental

PROJECT: City of Rochester

CRUSHED STONE: Brockport Plant

NYSDOT Geotechnical Source #: 1665

This is to certify that the Crushed Stone to be used on the above referenced project will be produced in accordance with the most current New York State Department of Transportation's, "Standard Specifications" and Addenda. All stone properties conform to sections 203, 304, 605 and 620 of the Specification. Specific values are listed below.

TYPICAL GRADATIONS (All Values are % Passing)						
SIEVE SIZE	CRUSHER RUN #2	CRUSHER RUN #1	#1 STONE	#2 STONE	#1 and #2 MIXTURE	CRUSHER RUN 5/8"
4" (100 mm)						
2" (50)	100					
1 1/2" (37.5)	98			100	100	
1" (25)	82	100	100	94	97	
1/2" (12.5)	54		93	11	52	100
1/4" (6.3)	36	57	12	1	7	70
#40 (0.425)	11	18				25
#80 (0.180)	8	9				
#200 (0.075)	6	7	0.6	0.2	0.4	11
Typical Item Numbers	203.____ 304.____		605.0901		CA 2 ASTM 57	

LIGHT STONE FILL		
SIZE	VALUE	SPEC
Lighter Than 100 Lbs.	100	90 - 100
Larger Than 6"	55	50 - 100
Smaller Than 1/2"	8	0 - 10

Notes:
 1) Proctor Density typically runs 138 +/- 2 pcf at 6-8% Moisture. (For Crusher Run products only)
 2) Medium and Heavy Stone Fill Items are selected at time of purchase to satisfy project requirements.

Signed By: Christopher McClurg

Christopher McClurg - Sales Representative

✓ I WANT C WASTE Comp. Com

Jessica



Return Service Requested

Customer No: 910730 ✓
Invoice No: 915650
Inv Date: 09/07/19
Page: Page 1 of 1
Customer Job: 01
MISC. TAXABLE (01)



2254000075 PRESORT PBPS001 <->
[Barcode]

Callanan Industries Inc. dba
1150 Penfield Road
Rochester, NY 14625
(585) 381 7010

TREC ENVIRONMENTAL INC.
1018 WASHINGTON STREET
SPENCERPORT NY 14559-9765

Delivered To: Andrew and N. Clifton

Date	Ticket#	Product#	Description	QTY	UM	Unit Price	Matl Total	Tax	Total
Plant: 00921 Stone - IRP Brockport/Colby St.									
MATERIAL: Cr-2"									
09/4/19	53474	00003	Cr-2"	20.22	TON				
09/4/19	53481	00003	Cr-2"	20.35	TON				
09/4/19	53488	00003	Cr-2"	19.86	TON				
09/4/19	53502	00003	Cr-2"	20.11	TON				
09/4/19	53514	00003	Cr-2"	19.99	TON				
09/4/19	53520	00003	Cr-2"	20.13	TON				
Total: Material Cr-2"				120.66					
Total Invoice:				120.66					

I HAVE NO TICKETS FOR THESE LOADS!

Finance Charges will be applied to any late invoices at a rate of 1.5% per month per credit agreement or the State's Lawful Amount

Invoice Amount: [Redacted]

Amount Paid: _____

Customer Name: Trec Environmental Inc.
Customer No: 910730
Invoice #: 915650
Date: 09/7/19
Customer Job: 01
Due Date: 10/07/19

If you have any questions about your invoice please call (585) 381 7010

Remit Payment To: Iroquois Rock Products
Dolomite Products Company Inc.
1150 Penfield Road
Rochester, NY 14625

Please provide your email address below if you would like to start receiving your invoices via email

M.J. DREHER TRUCKING
 50 Owens Road • Brockport, New York 14420
 Office (585) 637-3080
TRUCKING STATEMENT

099880

DATE: 9-9-19 QUARRY: Brockport
 CUSTOMER: TECH ENV.
 JOB SITE: ANDREW ST. Roch.
 MATERIAL: 1-2 washed TRUCK # 17
 TRUCKING FIRM: M.J. Dreher DRIVER: GARY ROUTE #130
 HOURS:

TICKET #	WEIGHT	TIME IN	TIME OUT	TIME IN	TIME OUT
1 53766	21.53	7:00	7:35	8:00	8:05
2					
3					
4					
5					
6					
7					
9					
10					
11					
12					
13					
14					
15					

TERMS & CONDITIONS: SERVICE CHARGE of 2% per month will be added to past due accounts. (Subject to a minimum of 50¢) The ANNUAL PERCENTAGE RATE most closely approximating this SERVICE CHARGE is 24%.
 AGREEMENT & RELEASE: In consideration of the delivery charge made herein, I hereby release M.J. Dreher Trucking and agree to pay for all damages done, including sidewalks, buildings and other structures.

SIGNED _____
 FOR OWNER AGENT CONTRACTOR



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

9/09/2019 7:29 am **00921 - Iroquois Stone**
 Customer: 943506 DREHER, M.J. TRUCKING INC.
 Job: 01 NON-TAXABLE MISC
 Deliver To: andrew st roc

P.O.:
 Product: 00084 #1 & #2 WASHED
 Pile #:
 Vehicle: 17MJ 25524mm - dreher/13 weststar
 Zone: None Haul Code: -- Haul Units: 0.00
 Received:

Ticket No.: 53766
 COPY 3 *** Outgoing ***

	Pounds	Tons
Gross:	73,220	36.61
Tare:	30,160	15.08
Net:	43,060	21.53

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 21.53 Loads: 1	
Todate: 177.08	

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to report with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into the invoice shall be considered acceptance by the customer.

M.J. DREHER TRUCKING

50 Owens Road • Brockport, New York 14420
Office (585) 637-3080

089957

TRUCKING STATEMENT

DATE: 9-12-19 QUARRY: Brockport

CUSTOMER: TECH - ENV.

JOB SITE: Andrew Ave.

MATERIAL: Washed #2 stone TRUCK # 17

TRUCKING FIRM: M.J. Dreher DRIVER:

HOURS:

TICKET #	WEIGHT	TIME IN/TIME OUT	TIME IN/TIME OUT
1 54253	20.24	12:35	1:20
2			
3			
4			
5			
6			
7			
9			
10			
11			
12			
13			
14			
15			

TERMS & CONDITIONS: SERVICE CHARGE of 2% per month will be added to past due accounts. (Subject to a minimum of 50c) The ANNUAL PERCENTAGE RATE most closely approximating this SERVICE CHARGE is 24%. AGREEMENT & RELEASE: In consideration of the delivery charge made herein, I hereby release M.J. Dreher Trucking and agree to pay for all damages done, including sidewalks, buildings and other structures.

SIGNED

FOR OWNER AGENT CONTRACTOR



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

Ticket No.: 54253

COPY 3

*** Outgoing ***

	Pounds	Tons
Gross:	70,640	35.32
Tare:	30,160	15.08
Net:	40,480	20.24

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 20.24 Loads: 1
Totdate: 891.43

Weighmaster: PAT 260159

9/12/2019 12:52 pm 00921 - Iroquois Stone
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrews st

P.O.:
Product: 00082 #2 WASHED
Pile #:
Vehicle: 17MJ 25524mm - dreher/13 weststar
Zone: None Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to report with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into any contract shall be considered acceptance by the customer.

BILL'S TOPSOIL SAND GRAVEL

3 Carriage House Lane • Rochester, New York 14624
(585) 247-2010

TRUCKING STATEMENT B1145

DATE: 9-12-19 PLANT: Blockport
CUSTOMER: A. Tose Environmental
JOB SITE: 320 Andrews St
MATERIAL: #7 Wash Stone TRUCK #: 10730
TRUCKING FIRM: _____ DRIVER: TS
HOURS: 1:30pm - 3:00pm

NO SCALE TICKET
FOR THIS LOAD!

TICKET #	WEIGHT	PLANT TIME IN/OUT	JOB TIME IN/OUT
1 54282	19 78	1.30/2.10	2.32
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

TERMS: Net 15 days. Seller shall be entitled to interest at the rate of 1 1/2% for each month or part thereof on any amount remaining unpaid after 15 days. If Seller is not able to recover any unpaid amounts, it shall be entitled to recover from customer reasonable attorney's fee in an amount not to exceed 20% of the amount found owing. Trucker, by its driver, hereby agrees to indemnify seller, its agents, representative and employees (hereinafter "seller"), and to otherwise hold seller harmless (1) from any and all liability for claims, for personal injury or property damage asserted against seller arising from, or in any way related to, the means or manner in which trucker's vehicle was loaded and/or the amount of material loaded on trucker's vehicle, and (2) from any and all expenses, including attorneys' fees, arising from or associated with investigation and/or defense of such claims. We assume no responsibility for delivery beyond the curb when authorized to drive beyond by customer or his agent. I have read the foregoing terms and my signature on this form reflects acceptance of them.

SIGNED _____

FOR OWNER/AGENT/CONTRACTOR



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

Ticket No.: 55353

COPY 1

*** Outgoing ***

	<u>Pounds</u>	<u>Tons</u>
Gross:	65,160	32.58
Tare:	23,500	11.75
Net:	41,660	20.83

9/23/2019 11:25 am **00921 - Iroquois Stone**
 Customer: 943506 DREHER, M.J. TRUCKING INC.
 Job: 01 NON-TAXABLE MISC
 Deliver To: andrew st

Ordered:		
Received:		
Remaining:		
Tax ID: 2605 / Monroe County		
Today: 155.71	Loads: 8	
Todate: 23,330.56		

P.O.:
Product: 00003 CR-2"
 Pile #:
 Vehicle: AC85 25684mm - all county/07 inter
 Zone: None Haul Code: -- Haul Units: 0.00
Received:

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

Ticket No.: 55391

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	65,620	32.81
Tare:	23,500	11.75
Net:	42,120	21.06

9/23/2019 12:42 pm **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: AC85 25684mm - all county/07 inter
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ordered:		
Received:		
Remaining:		
Tax ID: 2605 / Monroe County		
Today:	194.88	Loads: 10
Todate:	23,369.73	

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

Ticket No.: 55327

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	65,600	32.80
Tare:	23,500	11.75
Net:	42,100	21.05

9/23/2019 10:21 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: AC85 25684mm - all county/07 inter
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ordered:		
Received:		
Remaining:		
Tax ID: 2605 / Monroe County		
Today:	116.97	Loads: 6
Todate:	23,291.82	

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

Ticket No.: 55462

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	65,060	32.53
Tare:	23,500	11.75
Net:	41,560	20.78

9/23/2019 2:57 pm **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: AC85 25684mm - all county/07 inter
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ordered:		
Received:		
Remaining:		
Tax ID: 2605 / Monroe County		
Today:	273.00	Loads: 14
Todate:	23,447.85	

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

9/23/2019 8:50 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: **00003 CR-2"**
Pile #:
Vehicle: AC85 25684mm - all county/07 inter
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ticket No.: 55290

COPY 1 *** Outgoing ***

	Pounds	Tons
Gross:	63,860	31.93
Tare:	23,500	11.75
Net:	40,360	20.18

Ordered:	
Received:	
Remaining:	
Tax ID:	2605 / Monroe County
Today:	77.82 Loads: 4
Todate:	23,252.67

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

9/23/2019 7:28 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: **00003 CR-2"**
Pile #:
Vehicle: AC85 25684mm - all county/07 inter
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ticket No.: 55266

COPY 1 *** Outgoing ***

	Pounds	Tons
Gross:	64,360	32.18
Tare:	23,500	11.75
Net:	40,860	20.43

Ordered:	
Received:	
Remaining:	
Tax ID:	2605 / Monroe County
Today:	38.95 Loads: 2
Todate:	23,213.80

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

9/23/2019 1:43 pm **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: **00003 CR-2"**
Pile #:
Vehicle: AC85 25684mm - all county/07 inter
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ticket No.: 55426

COPY 1 *** Outgoing ***

	Pounds	Tons
Gross:	65,800	32.90
Tare:	23,500	11.75
Net:	42,300	21.15

Ordered:	
Received:	
Remaining:	
Tax ID:	2605 / Monroe County
Today:	234.31 Loads: 12
Todate:	23,409.16

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

Ticket No.: 55289

COPY 2

*** Outgoing ***

	<u>Pounds</u>	<u>Tons</u>
Gross:	69,560	34.78
Tare:	32,180	16.09
Net:	37,380	18.69

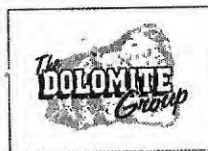
9/23/2019 8:49 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: E800 26445mm - espana/95 fd
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	57.64 Loads: 3
Todate:	23,232.49

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

Ticket No.: 55317

COPY 2

*** Outgoing ***

	<u>Pounds</u>	<u>Tons</u>
Gross:	68,380	34.19
Tare:	32,180	16.09
Net:	36,200	18.10

9/23/2019 9:51 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: E800 26445mm - espana/95 fd
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	95.92 Loads: 5
Todate:	23,270.77

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

Ticket No.: 55373

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	68,400	34.20
Tare:	32,180	16.09
Net:	36,220	18.11

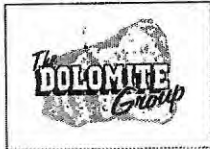
9/23/2019 12:04 pm **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	173.82 Loads: 9
Todate:	23,348.67

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: E800 26445mm - espana/95 fd
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

Ticket No.: 55407

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	68,740	34.37
Tare:	32,180	16.09
Net:	36,560	18.28

9/23/2019 1:10 pm **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	213.16 Loads: 11
Todate:	23,388.01

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: E800 26445mm - espana/95 fd
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

Ticket No.: 55263

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	69,220	34.61
Tare:	32,180	16.09
Net:	37,040	18.52

9/23/2019 7:21 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	18.52 Loads: 1
Todate:	23,193.37

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: E800 26445mm - espana/95 fd
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

9/23/2019 2:11 pm **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: E800 26445mm - espana/95 fd
Zone: None Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 55440

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	68,000	34.00
Tare:	32,180	16.09
Net:	35,820	17.91

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 252.22 Loads: 13
Totdate: 23,427.07

Weighmaster: PAT 260159



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

9/23/2019 3:21 pm **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: E800 26445mm - espana/95 fd
Zone: None Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 55469

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	68,180	34.09
Tare:	32,180	16.09
Net:	36,000	18.00

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 291.00 Loads: 15
Totdate: 23,465.85

Weighmaster: PAT 260159



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

9/23/2019 11:01 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: E800 26445mm - espana/95 fd
Zone: None Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 55342

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	68,000	34.00
Tare:	32,180	16.09
Net:	35,820	17.91

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 134.88 Loads: 7
Totdate: 23,309.73

Weighmaster: PAT 260159



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

9/24/2019 9:20 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew

P.O.:
Product: **00003 CR-2"**
Pile #:
Vehicle: 21MJ 34848MG - dreher/2014 peter
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ticket No.: 55503

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	72,460	36.23
Tare:	28,520	14.26
Net:	43,940	21.97

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 66.00 Loads: 3
Todate: 23,531.85

Weighmaster: PAT 260159

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MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

9/24/2019 8:26 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew

P.O.:
Product: **00003 CR-2"**
Pile #:
Vehicle: 21MJ 34848MG - dreher/2014 peter
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ticket No.: 55493

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	72,900	36.45
Tare:	28,520	14.26
Net:	44,380	22.19

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 44.03 Loads: 2
Todate: 23,509.88

Weighmaster: PAT 260159

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MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

9/24/2019 7:07 am **00921 - Iroquois Stone**
Customer: 943506 DREHER, M.J. TRUCKING INC.
Job: 01 NON-TAXABLE MISC
Deliver To: andrew st

P.O.:
Product: **00003 CR-2"**
Pile #:
Vehicle: 21MJ 34848MG - dreher/2014 peter
Zone: None Haul Code: -- Haul Units: 0.00
Received:

Ticket No.: 55478

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	72,200	36.10
Tare:	28,520	14.26
Net:	43,680	21.84

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 21.84 Loads: 1
Todate: 23,487.69

Weighmaster: PAT 260159

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

Ticket No.: 57903

COPY 1

*** Outgoing ***

10/22/2019 7:04 am **00921 - Iroquois Stone**
 Customer: 943506 DREHER, M.J. TRUCKING INC.
 Job: 01 NON-TAXABLE MISC
 Deliver To: andrew st

est load

P.O.:
Product: 00003 CR-2"
 Pile #:
 Vehicle: 21MJ 34848MG - dreher/2014 peter
 Zone: None Haul Code: -- Haul Units: 0.00
Received:

	Pounds	Tons
Gross:	72,520	36.26*
Tare:	28,520	14.26
Net:	44,000	22.00

Ordered:		
Received:		
Remaining:		
Tax ID: 2605 / Monroe County		
Today:	22.00	Loads: 1
Todate:	24,627.50	

Weighmaster: PAT 260159

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MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

Ticket No.: 57905

COPY 1

*** Outgoing ***

10/22/2019 7:10 am **00921 - Iroquois Stone**
 Customer: 943506 DREHER, M.J. TRUCKING INC.
 Job: 01 NON-TAXABLE MISC
 Deliver To: andrew st

est load

P.O.:
Product: 00003 CR-2"
 Pile #:
 Vehicle: 17MJ 25524mm - dreher/13 weststar
 Zone: None Haul Code: -- Haul Units: 0.00
Received:

	Pounds	Tons
Gross:	72,160	36.08*
Tare:	30,160	15.08
Net:	42,000	21.00

Ordered:		
Received:		
Remaining:		
Tax ID: 2605 / Monroe County		
Today:	43.00	Loads: 2
Todate:	24,648.50	

Weighmaster: PAT 260159

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APPENDIX F
Existing UIC Program Notification and Response
(Refer to CD)



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

April 28, 2014

Mr. Frank Brock
Geologist, Underground Injection Control Program
EPA Region 2
290 Broadway, 20th Floor
New York, NY 10007

Re: Andrews Street Site
300, 304-308 and 320 Andrews Street, and 25 Evans Street
Rochester, New York
NYSDEC Site #E828144

Dear Mr. Brock:

On behalf of the City of Rochester (City), Day Environmental, Inc. (DAY) is coordinating interim remedial measure (IRM) work at the above-referenced Site (refer to Figure 1) under the New York State Department of Environmental Conservation (NYSDEC) Environmental Restoration Program (ERP). City and NYSDEC funds are being used to finance this project.

As part of the IRM work, in-situ chemical oxidation (ISCO) is planned for the July and August 2014 timeframe to treat residual chlorinated solvent contamination in saturated soils and groundwater at the Site. Mobilization may commence in June 2014. A total of up to 51 injection wells (i.e., injection points) are planned. The 51 tentative injection well locations are shown on the enclosed Figure 17, and are designated as IP-1 through IP-47 and BW-1 through BW-4. The actual number of injection wells may be reduced based on process monitoring and performance monitoring as the ISCO injections progress. A total of 36,000 pounds of potassium permanganate are to be injected into the saturated soil and groundwater zone at the Site. Enclosed is an Environmental Protection Agency (EPA) Underground Injection Control (UIC) program inventory of injection wells (EPA Form 7520-16) for the project.

It is intended that the injection wells will be used during a one-time event; however, they may be left open for a period of time for possible use during an ISCO polishing phase, if warranted. Once the IRM is deemed complete, the injection wells will be decommissioned.

If there are any questions, please contact this office.

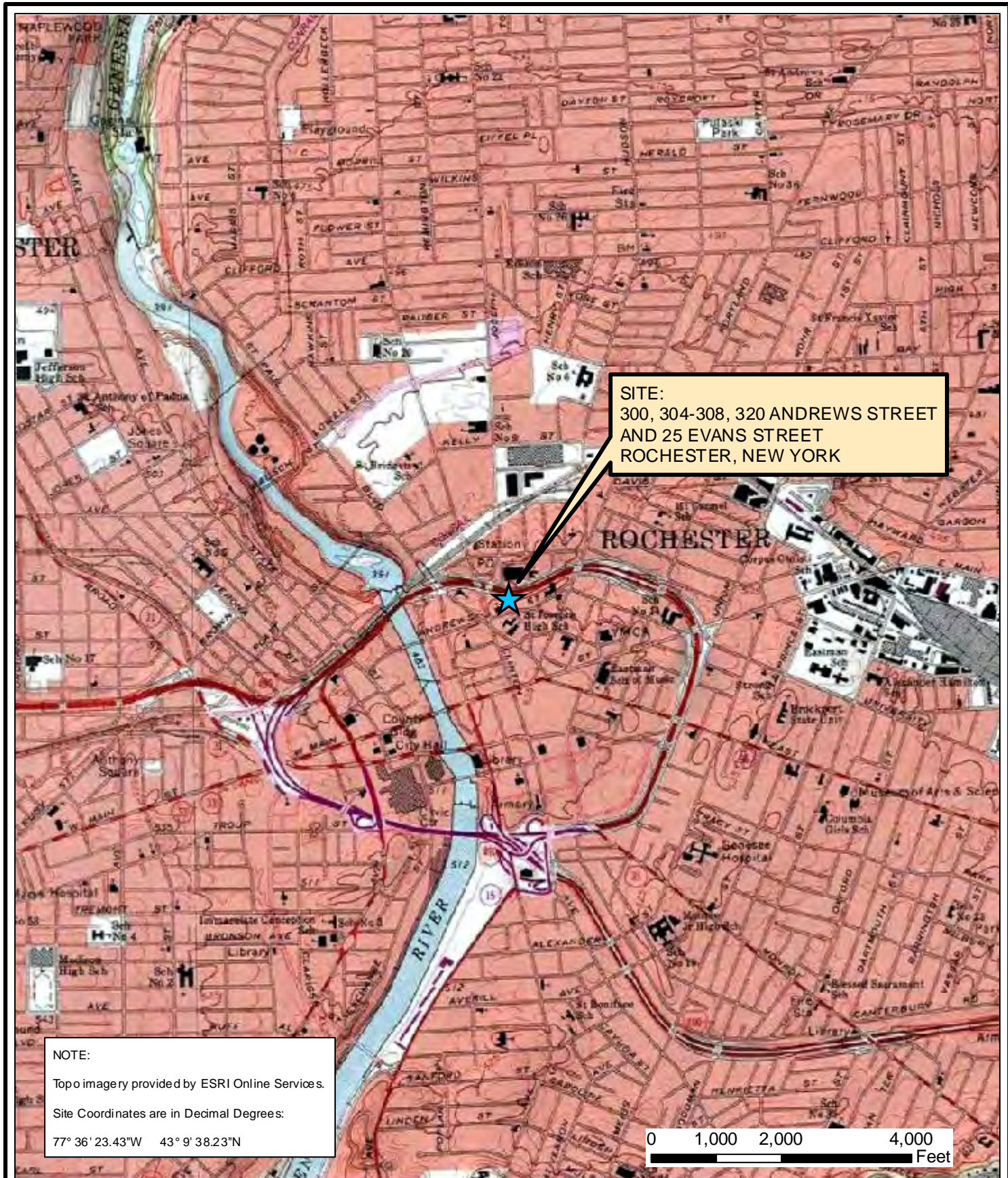
Very truly yours,
Day Environmental, Inc.

Jeffrey A. Danzinger
Project Manager

Enclosures

cc: Joseph Biondolillo (City of Rochester) – with electronic copy of enclosures
Charlotte Theobald, P.E. (NYSDEC) – with electronic copy of enclosures

JD7436 / 4355S-10



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

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

0 1,000 2,000 4,000
 Feet

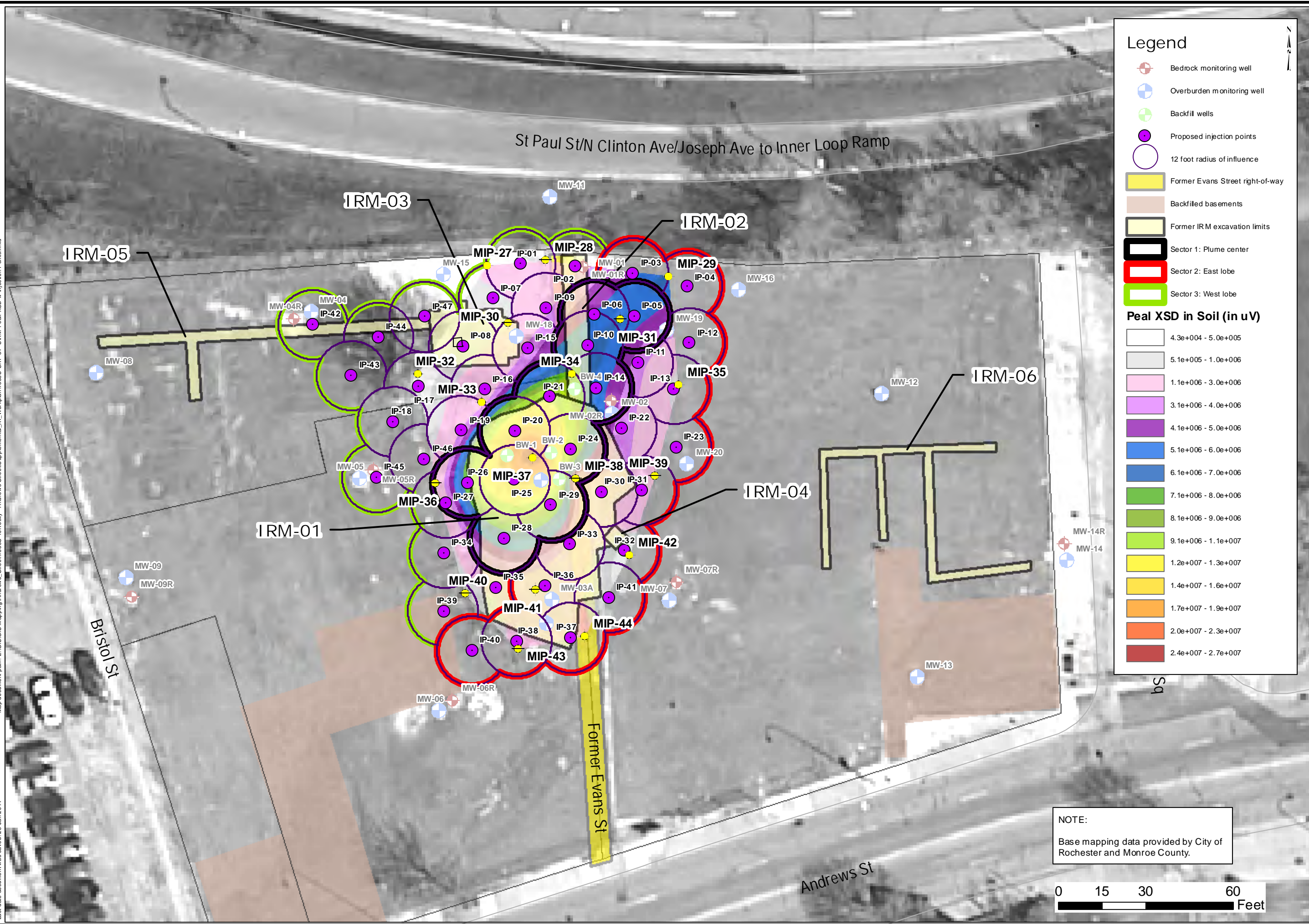
Date	10-01-2012
Drawn By	CPS
Scale	AS NOTED

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

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

Project No.	4355S-10
	FIGURE 1

Map document path: E:\GIS\GIS Mapping\Andrews Street\4355S-10Rocky - Andrews Street\Supplemental_RI_Workplan\4355S-SRI-34-SIRM_Peak_XSD_w_InjectionPoints.mxd
Last date document was saved: 28 Jan 2014



Legend

- ⊕ Bedrock monitoring well
- ⊕ Overburden monitoring well
- ⊕ Backfill wells
- Proposed injection points
- 12 foot radius of influence
- Former Evans Street right-of-way
- Backfilled basements
- Former IRM excavation limits
- Sector 1: Plume center
- Sector 2: East lobe
- Sector 3: West lobe

Peak XSD in Soil (in uV)

	4.3e+04 - 5.0e+05
	5.1e+05 - 1.0e+06
	1.1e+06 - 3.0e+06
	3.1e+06 - 4.0e+06
	4.1e+06 - 5.0e+06
	5.1e+06 - 6.0e+06
	6.1e+06 - 7.0e+06
	7.1e+06 - 8.0e+06
	8.1e+06 - 9.0e+06
	9.1e+06 - 1.1e+07
	1.2e+07 - 1.3e+07
	1.4e+07 - 1.6e+07
	1.7e+07 - 1.9e+07
	2.0e+07 - 2.3e+07
	2.4e+07 - 2.7e+07

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



DESIGNED BY	JAD	DATE	01-2014
DRAWN BY	CPS	DATE DRAWN	01-2014
SCALE	AS NOTED	DATE ISSUED	01-23-2014

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


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

ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO: E828144

Drawing Title
Peak XSD in Soil and Proposed ISCO Injection Points
assuming 12 foot Radius of Influence

Project No.
4355S-10

FIGURE 17

 <p>INVENTORY OF INJECTION WELLS</p> <p>UNITED STATES ENVIRONMENTAL PROTECTION AGENCY OFFICE OF GROUND WATER AND DRINKING WATER</p> <p><small>(This information is collected under the authority of the Safe Drinking Water Act)</small></p>	<p>1. DATE PREPARED <i>(Year, Month, Day)</i></p>	<p>2. FACILITY ID NUMBER</p>
--	--	-------------------------------------

<p>PAPERWORK REDUCTION ACT NOTICE</p> <p>The public reporting burden for this collection of information is estimated at about 0.5 hour per response including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, Director, Collection Strategies Division (2822), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, and to the Office of Management and Budget, Paperwork Reduction Project, Washington, DC20503.</p>	<p>3. TRANSACTION TYPE <i>(Please mark one of the following)</i></p> <p><input type="checkbox"/> Deletion <input type="checkbox"/> First Time Entry</p> <p><input type="checkbox"/> Entry Change <input type="checkbox"/> Replacement</p>
---	--

4. FACILITY NAME AND LOCATION																	
A. NAME <i>(last, first, and middle initial)</i>			C. LATITUDE			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:33%;">DEG</th> <th style="width:33%;">MIN</th> <th style="width:33%;">SEC</th> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>		DEG	MIN	SEC				E. TOWNSHIP/RANGE			
DEG	MIN	SEC															
B. STREET ADDRESS/ROUTE NUMBER			D. LONGITUDE			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:33%;">DEG</th> <th style="width:33%;">MIN</th> <th style="width:33%;">SEC</th> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>		DEG	MIN	SEC				TOWNSHIP	RANGE	SECT	1/4 SECT
DEG	MIN	SEC															
F. CITY/TOWN		G. STATE	H. ZIP CODE		I. NUMERIC COUNTY CODE		J. INDIAN LAND <i>(mark "x")</i> <input type="checkbox"/> Yes <input type="checkbox"/> No										

5. LEGAL CONTACT:									
A. TYPE <i>(mark "x")</i>		B. NAME <i>(last, first, and middle initial)</i>				C. PHONE <i>(area code and number)</i>			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator									
D. ORGANIZATION			E. STREET/P.O. BOX			I. OWNERSHIP <i>(mark "x")</i>			
						<input type="checkbox"/> PRIVATE <input type="checkbox"/> PUBLIC <input type="checkbox"/> SPECIFY OTHER			
F. CITY/TOWN		G. STATE	H. ZIP CODE		<input type="checkbox"/> STATE		<input type="checkbox"/> FEDERAL		

6. WELL INFORMATION:									
A. CLASS AND TYPE	B. NUMBER OF WELLS		C. TOTAL NUMBER OF WELLS	D. WELL OPERATION STATUS					COMMENTS <i>(Optional):</i>
	COMM	NON-COMM		UC	AC	TA	PA	AN	
									<p>KEY:</p> <p>DEG = Degree MIN = Minute SEC = Second</p> <p>SECT = Section 1/4 SECT = Quarter Section</p> <p>COMM = Commercial NON-COMM = Non-Commercial</p> <p>AC = Active UC = Under Construction TA = Temporarily Abandoned PA = Permanently Abandoned and Approved by State AN = Permanently Abandoned and not Approved by State</p>



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

MAY 05 2014

MAY -1 2014

Jeffrey A. Danzinger
Project Manager
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Re: Underground Injection Control (UIC) Program Regulation
Andrews Street Site (**Reference UICID: 14NY05599031**)
300 Andrews Street
Rochester, NY 14614
Monroe County
Authorization to Inject

Dear Mr. Danzinger:

This letter serves to inform you that the U.S. Environmental Protection Agency is in receipt of inventory information addressing wells authorized by rule located at the above-referenced facility in accordance with 40 Code of Federal Regulations (CFR) §144.26. The operation of the following Underground Injection Control wells are authorized by rule, pursuant to 40 CFR §144.24:

A maximum of 51 injection points are authorized to receive potassium permanganate to remediate chlorinated solvent contamination. Follow up injection of additional potassium permanganate also authorized if needed to complete remediation.

Should any conditions change in the operation of any of the wells listed above (such as injectate composition, closure of the well, injection of cooling water greater than 98 degrees Fahrenheit, construction of additional wells, etc.) you are required to notify this office within five (5) days. Any accidental spills into a well should be reported within twenty-four (24) hours after the event. Change in operation information should be addressed to:

Nicole Foley Kraft, Chief
Ground Water Compliance Section
United States Environmental Protection Agency
290 Broadway, 20th Floor
New York, NY 10007-1866
Re: 14NY05599031
Attn: Frank Brock

Should you own or operate **other** facilities using underground injection wells, please use the enclosed inventory form (EPA Form 7520-16) and instructions, copy for multiple facilities, and submit them to the address listed above. These documents can also be found on the internet at:

<http://www.epa.gov/safewater/uic/pdfs/7520-16.pdf>
http://www.epa.gov/region02/water/compliance/supplemental_instructions_inventory.pdf
http://www.epa.gov/region02/water/compliance/wellclasstypetable_inventoryc_form

Internet Address (URL) • <http://www.epa.gov>

Failure to respond to this letter truthfully and accurately within the time provided may subject you to sanctions authorized by federal law. Please also note that all information submitted by you may be used in an administrative, civil judicial, or criminal action. In addition, making a knowing submission of materially false information to the U.S. Government may be a criminal offense.

Should you have any questions, please contact Frank Brock of my staff at (212) 637-3762 or brock.frank@epa.gov.

Sincerely,



Nicole Foley Kraft, Chief
Ground Water Compliance Section

Enclosure

cc: Dixon Rollins
NYSDEC, Region 8
6247 E. Avon-Lima Road
Avon, NY 14414

John Felsen
Monroe County Dept. of Health
111 Westfall Road, Room 976
Rochester, NY 14620

**USEPA REGION II SUPPLEMENTAL INSTRUCTIONS
FOR COMPLETING
INVENTORY OF INJECTION WELLS**
EPA FORM 7520-16 (Rev. 8-01)

SECTION 2. FACILITY ID NUMBER: Leave blank. EPA will assign an ID number.

SECTION 3. TRANSACTION TYPE: Check either First Time Entry or Entry Change. If this is the first time you have submitted this form for your injection wells(s), check First Time Entry and fill in all the appropriate information. If you are modifying information you sent in before, check Entry Change, fill in the Facility Name and Location and fill in the information that has changed. (Note: If the facility name has changed, in the blank space in the upper left hand corner write the prior facility name under which the form was first submitted, and the date it was submitted.)

SECTION 4. FACILITY NAME AND LOCATION: If you know the latitude and longitude of your facility, fill in line 4C and 4D. You do not need to fill in 4E, Township/Range. If you know the Numeric County Code, fill in line 4I, otherwise just write in the name of the County.

SECTION 5. LEGAL CONTACT: Under 5A, if the Legal Contact you are identifying owns the land, check Owner. If the Legal Contact owns and/or operates the business but someone else owns the land, check Operator. Under 5I, "Private" means privately owned. "Public" means owned by local/municipal government. "State" and Federal" mean owned by state/federal government.

SECTION 6. WELL INFORMATION: Under 6A CLASS AND TYPE, use the attached table "USEPA Region II List of Class V Injection Well Types" to determine the CLASS V "TYPE". Enter the appropriate Type Code in 6A (the Type Code does not have to fit within the two boxes on the Inventory Form). Select the Class V well type(s) that most accurately fit the well(s) at your facility. When reviewing the attached table and making your determination, be sure to consider all of the fluids entering the well or having the potential to enter the well. For example, Storm Water Drainage Wells located in industrial areas which are susceptible to spills, leaks or other chemical discharges are inventoried as Industrial Drainage Wells. If Cesspools and Septic Systems are receiving fluids other than sanitary waste (human excreta), that should be noted in the Additional Information below.

IMPORTANT: ADDITIONAL INFORMATION

In order to ensure that the Class V Well(s) at your facility are accurately inventoried you must also submit on a separate piece of paper: (1) a brief description characterizing your facility and the types of activities conducted; (2) a brief description of what you use each of your injection well(s) for; (3) a brief description of the types of fluids that enter, or have the potential to enter, each of your injection well(s). (Note: wells with the same information may be grouped).

If you require assistance, please contact EPA Region II at (212) 637-3093.

**USEPA REGION II LIST OF
CLASS V INJECTION WELL TYPES**

TYPE CODE	NAME	DESCRIPTION
INDUSTRIAL/COMMERCIAL/UTILITY DISPOSAL WELLS		
5X28	MOTOR VEHICLE WASTE DISPOSAL WELLS	- wells that receive or have received fluids from vehicular repair or maintenance activities, such as an auto body repair shop, automotive repair shop, new and used car dealership, specialty repair shop (e.g., transmission and muffler repair shop), or any facility that does any vehicular repair work.
5W20	INDUSTRIAL PROCESS WATER & WASTE DISPOSAL WELLS	- used to dispose of a wide variety of wastes and wastewater from industrial, commercial, or utility processes. Industries include refineries, chemical plants, smelters, pharmaceutical plants, laundromats and dry cleaners, tanneries, carwashes, laboratories, funeral homes, etc. Specify industry <u>and</u> waste stream.
5A19	COOLING WATER RETURN FLOW WELLS	- used to inject water which was used in a cooling process.
DRAINAGE WELLS		
5D4	INDUSTRIAL DRAINAGE WELL	- wells located in industrial areas which primarily receive storm water runoff but are susceptible to spills, leaks, or other chemical discharges.
5D2	STORM WATER DRAINAGE WELLS	- receive storm water runoff from paved areas, including parking lots, streets, residential subdivisions, building roofs, highways, etc.
5F1	AGRICULTURAL DRAINAGE WELLS	- receive irrigation tailwaters, other field drainage, animal yard, feedlot, or dairy runoff, etc.
5D3	IMPROVED SINKHOLES	- receive storm water runoff from developments located in karst topographic areas.
5G30	SPECIAL DRAINAGE WELLS	- used for disposing water from sources other than direct precipitation—such as landslide control drainage wells, potable water tank overflow drainage wells, swimming pool drainage wells, and lake level control drainage wells.

DOMESTIC WASTEWATER DISPOSAL WELLS		
5W9	UNTREATED SEWAGE WASTE DISPOSAL	- receive raw sewage wastes from pumping trucks or other vehicles which collect such wastes from single or multiple sources. (No treatment)
5W10	LARGE CAPACITY CESSPOOLS	- large capacity cesspools including multiple dwelling, community or regional cesspools, or other devices that receive sanitary wastes, containing human excreta, which have an open bottom and sometimes perforated sides. Includes non-residential cesspools which receive solely sanitary waste and have the capacity to serve greater than or equal to 20 persons a day. DOES NOT apply to single family residential cesspools.
5W11	SEPTIC SYSTEM (UNDIFFERENTIATED DISPOSAL METHOD)	- used to inject the waste or effluent from a multiple dwelling, business establishment, community or regional business establishment septic tank to an undetermined final discharge point. Includes non-residential septic systems which receive solely sanitary waste and have the capacity to serve greater than or equal to 20 persons a day. DOES NOT apply to single family residential septic systems. (Primary Treatment)
5W31	SEPTIC SYSTEMS (WELL DISPOSAL METHOD)	- used to inject the waste or effluent from a multiple dwelling, business establishment, community or regional business establishment septic tank to a well-- examples of wells include dry wells, seepage pits, cavitettes, etc. The largest surface dimension is less than or equal to the depth dimension. Includes non-residential septic systems which receive solely sanitary waste and have the capacity to serve greater than or equal to 20 persons a day. DOES NOT apply to single family residential septic systems. (Primary Treatment)
5W32	SEPTIC SYSTEMS (DRAIN FIELD DISPOSAL METHOD)	- used to inject the waste or effluent from a multiple dwelling, business establishment, community or regional business establishment septic tank to a drainfield--examples of drainfields include drain or tile lines, and trenches. Includes non-residential septic systems which receive solely sanitary waste and have the capacity to serve greater than or equal to 20 persons a day. DOES NOT apply to single family residential septic systems. (Primary Treatment)
5W12	DOMESTIC WASTEWATER TREATMENT PLANT EFFLUENT DISPOSAL	- dispose of treated sewage or domestic effluent from small package plants up to large municipal treatment plants. Final discharge points may include drywells or leachfields. (Secondary or further treatment)

GEOHERMAL REINJECTION WELLS		
5A5	ELECTRIC POWER REINJECTION WELLS	- reinject geothermal fluids used to generate electric power.
5A6	DIRECT HEAT REINJECTION WELLS	- reinject geothermal fluids used to provide heat for large buildings or developments.
5A7	HEAT/PUMP/AIR CONDITIONING RETURN FLOW WELLS	- reinject groundwater used to heat or cool a building in a heat pump system.
5A8	GROUNDWATER AQUACULTURE RETURN FLOW WELLS	- reinject groundwater or geothermal fluids used to support aquaculture. Non-geothermal aquaculture disposal wells are also included in this category (e.g., Marine aquariums in Hawaii use relatively cool sea water).
RECHARGE WELLS		
5R21	AQUIFER RECHARGE WELLS	- used to recharge depleted aquifers and may inject fluids from a variety of sources such as lakes, streams, domestic wastewater treatment plants, other aquifers, etc.
5B22	SALINE WATER INTRUSION BARRIER WELLS	- used to inject water into fresh water aquifers to prevent intrusion of salt water into fresh water aquifers.
5S23	SUBSIDENCE CONTROL WELLS	- used to inject fluids into a non-oil or gas producing zone to reduce or eliminate subsidence associated with overdraft of fresh water and not used for the purpose of oil or natural gas production.
OIL FIELD PRODUCTION WASTE DISPOSAL WELLS		
5X17	AIR SCRUBBER WASTE DISPOSAL WELLS	- inject waste from air scrubbers used to remove sulfur from crude oil which is burned in steam generation for thermal oil recovery projects. (If injection is used directly for enhanced recovery and not just disposal it is a Class II well.)
5X18	WATER SOFTENER REGENERATION BRINE DISPOSAL WELLS	- inject regeneration waste from water softeners which are used to improve the quality of brines used for enhanced recovery. (If injection is used directly for enhanced recovery and not just disposal it is a Class II well.)

MINERAL AND FOSSIL FUEL RECOVERY RELATED WELLS		
5X13	MINING, SAND, OR OTHER BACKFILL WELLS	- used to inject a mixture of water and sand, mill tailings, and other solids into mined out portions of subsurface mines whether what is injected is radioactive waste or not. Also includes special wells used to control mine fires and acid mine drainage wells.
5X14	SOLUTION MINING WELLS	- used for in situ solution mining in conventional mines, such as slopes leaching.
5X15	IN-SITU FOSSIL FUEL RECOVERY WELLS	- used for in situ recovery of coal, lignite, oil shale, and tar sands.
5X16	SPENT BRINE RETURN FLOW WELLS	- used to reinject spent brine into the same formation from which it was withdrawn after extraction of halogens or their salts.
MISCELLANEOUS WELLS		
5X25	EXPERIMENTAL TECHNOLOGY WELL	- wells used in experimental or unproven technologies such as pilot scale in situ solution mining wells in previously unmined areas.
5X26	AQUIFER REMEDIATION RELATED WELLS	- wells used to prevent, control, or remediate aquifer pollution, including but not limited to Superfund sites.
5X29	ABANDONED DRINKING WATER WELLS	- used for disposal of fluids. Specify well purpose and injected fluids.
5X27	OTHER WELLS	- any other unspecified Class V wells. Specify well type/purpose and injected fluids.

SOURCE: Prepared by EPA Region II. Based on 1987 Report to Congress on Class V Wells; and 40 C.F.R. §144.81.

May 11, 2004 (3:47pm)G:/User/Share/DECADIV/DECA-WCB/GWCS/Well Class Type Table for Inventory Form5.wpd

INVENTORY OF INJECTION WELLS
 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 OFFICE OF GROUND WATER AND DRINKING WATER
 (This information is collected under the authority of the Safe Drinking Water Act)

1. DATE PREPARED (Year, Month, Day) 2. FACILITY ID NUMBER

PAPERWORK REDUCTION ACT NOTICE

The public reporting burden for this collection of information is estimated to average about 0.5 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, Director, Collection Strategies Division (2822), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, and to the Office of Management and Budget, Paperwork Reduction Project, Washington, DC 20503.

3. TRANSACTION TYPE (Please mark one of the following)

Deletion
 First Time Entry
 Entry Change
 Replacement

4. FACILITY NAME AND LOCATION

A. NAME (last, first, and middle initial) E. TOWNSHIP/RANGE

B. STREET ADDRESS/ROUTE NUMBER

C. LATITUDE (DEG MIN SEC) TOWNSHIP RANGE SECT 1/4 SECT

D. LONGITUDE (DEG MIN SEC)

F. CITY/TOWN G. STATE H. ZIP CODE I. NUMERIC COUNTY CODE J. INDIAN LAND (mark "x") Yes No

5. LEGAL CONTACT:

A. TYPE (mark "x") Owner Operator C. PHONE (area code and number)

D. ORGANIZATION E. STREET/P.O. BOX I. OWNERSHIP (mark "x") PRIVATE PUBLIC SPECIFY OTHER

F. CITY/TOWN G. STATE H. ZIP CODE STATE FEDERAL

6. WELL INFORMATION:

A. CLASS AND TYPE	B. NUMBER OF WELLS		C. TOTAL NUMBER OF WELLS	D. WELL OPERATION STATUS					COMMENTS (Optional):	
	COMM	NON-COMM		UC	AC	TA	PA	AN		
			0							KEY: DEG = Degree MIN = Minute SEC = Second SECT = Section 1/4 SECT = Quarter Section COMM = Commercial NON-COMM = Non-Commercial AC = Active UC = Under Construction TA = Temporarily Abandoned PA = Permanently Abandoned and Approved by State AN = Permanently Abandoned and not Approved by State
			0							
			0							
			0							
			0							
			0							

SECTION 1. DATE PREPARED: Enter date in order of year, month, and day.

SECTION 2. FACILITY ID NUMBER: In the first two spaces, insert the appropriate U.S. Postal Service State Code. In the third space, insert one of the following one letter alphabetic identifiers:

- D - DUNS Number,
- G - GSA Number, or
- S - State Facility Number.

In the remaining spaces, insert the appropriate nine digit DUNS, GSA, or State Facility Number. For example, A Federal facility (GSA - 123456789) located in Virginia would be entered as : VAG123456789.

SECTION 3. TRANSACTION TYPE: Place an "x" in the applicable box. See below for further instructions.

Deletion. Fill in the Facility ID Number.

First Time Entry. Fill in all the appropriate information.

Entry Change. Fill in the Facility ID Number and the information that has changed.

Replacement.

SECTION 4. FACILITY NAME AND LOCATION:

- A. **Name.** Fill in the facility's official or legal name.
- B. **Street Address.** Self Explanatory.
- C. **Latitude.** Enter the facility's latitude (all latitudes assume North Except for American Samoa).
- D. **Longitude.** Enter the facility's longitude (all longitudes assume West except Guam).
- E. **Township/Range.** Fill in the complete township and range. The first 3 spaces are numerical and the fourth is a letter (N,S,E,W) specifying a compass direction. A township is North or South of the baseline, and a range is East or West of the principal meridian (e.g., 132N, 343W).
- F. **City/Town.** Self Explanatory.
- G. **State.** Insert the U.S. Postal Service State abbreviation.
- H. **Zip Code.** Insert the five digit zip code plus any extension.

SECTION 4. FACILITY NAME & LOCATION (CONT'D.):

- I. **Numeric County Code.** Insert the numeric county code from the Federal Information Processing Standards Publication (FIPS Pub 6-1) June 15, 1970, U.S. Department of Commerce, National Bureau of Standards. For Alaska, use the Census Division Code developed by the U.S. Census Bureau.
- J. **Indian Land.** Mark an "x" in the appropriate box (Yes or No) to indicate if the facility is located on Indian land.

SECTION 5. LEGAL CONTACT:

- A. **Type.** Mark an "x" in the appropriate box to indicate the type of legal contact (Owner or Operator). For wells operated by lease, the operator is the legal contact.
- B. **Name.** Self Explanatory.
- C. **Phone.** Self Explanatory.
- D. **Organization.** If the legal contact is an individual, give the name of the business organization to expedite mail distribution.
- E. **Street/P.O. Box.** Self Explanatory.
- F. **City/Town.** Self Explanatory.
- G. **State.** Insert the U.S. Postal Service State abbreviation.
- H. **Zip Code.** Insert the five digit zip code plus any extension.
- I. **Ownership.** Place an "x" in the appropriate box to indicate ownership status.

SECTION 6. WELL INFORMATION:

- A. **Class and Type.** Fill in the Class and Type of injection wells located at the listed facility. Use the most pertinent code (specified below) to accurately describe each type of injection well. For example, 2R for a Class II Enhanced Recovery Well, or 3M for a Class III Solution Mining Well, etc.
- B. **Number of Commercial and Non-Commercial Wells.** Enter the total number of commercial and non-commercial wells for each Class/Type, as applicable.
- C. **Total Number of Wells.** Enter the total number of injection wells for each specified Class/Type.
- D. **Well Operation Status.** Enter the number of wells for each Class/Type under each operation status (see key on other side).

CLASS I Industrial, Municipal, and Radioactive Waste Disposal Wells used to inject waste below the lowermost Underground Source of Drinking Water (USDW).

- TYPE II** Non-Hazardous Industrial Disposal Well.
- 1M** Non-Hazardous Municipal Disposal Well.
- 1H** Hazardous Waste Disposal Well injecting below the lowermost USDW.
- 1R** Radioactive Waste Disposal Well.
- 1X** Other Class I Wells.

CLASS II Oil and Gas Production and Storage Related Injection Wells.

- TYPE 2A** Annular Disposal Well.
- 2D** Produced Fluid Disposal Well.
- 2H** Hydrocarbon Storage Well.
- 2R** Enhanced Recovery Well.
- 2X** Other Class II Wells.

CLASS III Special Process Injection Wells.

- TYPE 3G** *In Situ* Gasification Well
- 3M** Solution Mining Well.

CLASS III (CONT'D.)

- TYPE 3S** Sulfur Mining Well by Frasch Process.
- 3T** Geothermal Well.
- 3U** Uranium Mining Well.
- 3X** Other Class III Wells.

CLASS IV Wells that inject hazardous waste into/above USDWs.

- TYPE 4H** Hazardous Facility Injection Well.
- 4R** Remediation Well at RCRA or CERCLA site.

CLASS V Any Underground Injection Well not included in Classes I through IV.

- TYPE 5A** Industrial Well.
- 5B** Beneficial Use Well.
- 5C** Fluid Return Well.
- 5D** Sewage Treatment Effluent Well.
- 5E** Cesspools (non-domestic).
- 5F** Septic Systems.
- 5G** Experimental Technology Well.
- 5H** Drainage Well.
- 5I** Mine Backfill Well.
- 5J** Waste Discharge Well.

APPENDIX G
Specialty Short Term Discharge Permit
(Refer to CD)

October 2, 2019

Mr. Donald Wolf
Industrial Waste Engineer
Monroe County Department of Environmental Services
Office of Industrial Waste
145 Paul Rd Bldg. 1
Rochester, New York 14624

RE: Andrews Street Site
300, 304-308, 320 Andrews Street and 25 Evans Street
Rochester, New York
NYSDEC ERP Site #E828144

Dear Mr. Wolf:

Day Environmental, Inc. (DAY) is requesting a Specialty Short Term Discharge Permit from the Monroe County Department of Environmental Services (MCDES) for the above-referenced properties (Andrews Street Site). [Note: Wastewater generated during previous environmental work at this Site was discharged under Permit Numbers ST-201, ST-227, ST-249 and ST-275.] Under a work plan approved by the New York State Department of Environmental Conservation (NYSDEC), DAY recently completed excavation of soil contaminated with chlorinated volatile organic compounds (VOCs) at the Site on behalf of the City of Rochester, which owns the Site.

The Andrews Street Site is currently vacant undeveloped commercial land that is mostly covered with a layer of imported crushed stone. The soil removal work commenced in September 2019 and is substantially complete. DAY is requesting a new Specialty Short Term Discharge Permit for excavation water that was generated during the supplemental work.

Approximately 10,000 gallons of water was removed via dewatering of the excavation as the soil removal work progressed. This water is currently being stored in a frac tank on-site (refer to attached Figure 1). As previously discussed with MCDES, groundwater associated with previous in-situ chemical oxidation remediation at the Site was encountered during the excavation dewatering, which was also placed in the frac tank.

On September 20, 2019, two grab water samples were collected from the frac tank. Sample 987-WS-01 was collected from one foot below the top of water surface in the frac tank. Sample 988-WS-02 was collected from one inch above the bottom of the frac tank. Under chain-of-custody control, DAY relinquished the samples to Paradigm Environmental Services, Inc. (Paradigm), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory (ELAP ID #10958). Paradigm analyzed the two water samples for the following parameters:

- Purgeable Organics via Method EPA 624.1;
- pH via Method SM22 4500 H & B; and
- Oxidizers via Method ASTM D4981-08.

Mr. Donald Wolf
October 2, 2019
Page 2

A copy of Paradigm's report with the results for Samples 987-WS-01 and 988-WS-02 is enclosed, and the test results are summarized below.

- Sample 987-WS-01 and Sample 988-WS-02 contained 834 micrograms per liter (ug/l) and 942 ug/l of Tetrachloroethene (PCE), respectively. No other VOCs were detected in these two samples.
- The oxidizer tests for Samples 987-WS-01 and 988-WS-02 were negative.
- The pH results for Samples 987-WS-01 and 988-WS-02 were 7.64 and 7.58, respectively.

A photograph of a sample of the water collected from the frac tank on 9/25/2019 using a bailer is enclosed. As shown, the water does not have a color.

Once approved by MCDES, the wastewater will be discharged directly to the combined sewer manhole shown on the enclosed Figure 1 at a rate not to exceed 10 gallons per minute (gpm). The proposed sewer manhole is located within a portion of the Bristol Street right-of-way that is fenced off and is not accessible to the general public.

Also enclosed are a copy of a Specialty Short Term Discharge Permit with DAY's required information and signature, a copy of DAY's insurance certificate, and a check in the amount of \$125.00 made payable to the Monroe County Director of Finance.

If there are any questions, please contact this office.

Very truly yours,
Day Environmental, Inc.



Jeffrey A. Danzinger
Project Manager

JAD/s

Enclosures

JD8250.frac / 5334S-19



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Day Environmental, Inc.

For Lab Project ID

194633

Referencing

5334S-17

Prepared

Tuesday, September 24, 2019

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

A handwritten signature in black ink, appearing to read "R. D. ...", is written over a horizontal line.

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

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

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

Report Prepared Tuesday, September 24, 2019

Page 1 of 14



Client: Day Environmental, Inc.

Project Reference: 5334S-17

Sample Identifier: 987-WS-01

Lab Sample ID: 194633-01

Date Sampled: 9/20/2019

Matrix: Wastewater

Date Received: 9/20/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		9/23/2019 15:11
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		9/23/2019 15:11
1,1,2-Trichloroethane	< 20.0	ug/L		9/23/2019 15:11
1,1-Dichloroethane	< 20.0	ug/L		9/23/2019 15:11
1,1-Dichloroethene	< 20.0	ug/L		9/23/2019 15:11
1,2-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:11
1,2-Dichloroethane	< 20.0	ug/L		9/23/2019 15:11
1,2-Dichloropropane	< 20.0	ug/L		9/23/2019 15:11
1,3-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:11
1,4-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:11
2-Chloroethyl vinyl Ether	< 100	ug/L		9/23/2019 15:11
Benzene	< 10.0	ug/L		9/23/2019 15:11
Bromodichloromethane	< 20.0	ug/L		9/23/2019 15:11
Bromoform	< 50.0	ug/L		9/23/2019 15:11
Bromomethane	< 20.0	ug/L		9/23/2019 15:11
Carbon Tetrachloride	< 20.0	ug/L		9/23/2019 15:11
Chlorobenzene	< 20.0	ug/L		9/23/2019 15:11
Chloroethane	< 20.0	ug/L		9/23/2019 15:11
Chloroform	< 20.0	ug/L		9/23/2019 15:11
Chloromethane	< 20.0	ug/L		9/23/2019 15:11
cis-1,3-Dichloropropene	< 20.0	ug/L		9/23/2019 15:11
Dibromochloromethane	< 20.0	ug/L		9/23/2019 15:11
Ethylbenzene	< 20.0	ug/L		9/23/2019 15:11
Methylene chloride	< 50.0	ug/L		9/23/2019 15:11
Tetrachloroethene	834	ug/L		9/23/2019 15:11
Toluene	< 20.0	ug/L		9/23/2019 15:11
trans-1,2-Dichloroethene	< 20.0	ug/L		9/23/2019 15:11
trans-1,3-Dichloropropene	< 20.0	ug/L		9/23/2019 15:11

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



Client: Day Environmental, Inc.

Project Reference: 5334S-17

Sample Identifier: 987-WS-01

Lab Sample ID: 194633-01

Date Sampled: 9/20/2019

Matrix: Wastewater

Date Received: 9/20/2019

Trichloroethene	< 20.0	ug/L	9/23/2019	15:11
Trichlorofluoromethane	< 20.0	ug/L	9/23/2019	15:11
Vinyl chloride	< 20.0	ug/L	9/23/2019	15:11

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	102	73.4 - 131		9/23/2019 15:11
4-Bromofluorobenzene	90.2	57.2 - 129		9/23/2019 15:11
Pentafluorobenzene	95.0	87 - 112		9/23/2019 15:11
Toluene-D8	93.5	78.3 - 115		9/23/2019 15:11

Method Reference(s): EPA 624.1

Data File: x64704.D

Oxidizers

Analyte	Result	Units	Qualifier	Date Analyzed
Oxidizers	Negative	N/A		9/20/2019

Method Reference(s): ASTM D4981-08

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	7.64 @ 17.3 C	S.U.		9/20/2019 13:55

Method Reference(s): SM22 4500 H+ B

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



Lab Project ID: 194633

Client: Day Environmental, Inc.

Project Reference: 5334S-17

Sample Identifier: 988-WS-02

Lab Sample ID: 194633-02

Date Sampled: 9/20/2019

Matrix: Wastewater

Date Received: 9/20/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		9/23/2019 15:33
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		9/23/2019 15:33
1,1,2-Trichloroethane	< 20.0	ug/L		9/23/2019 15:33
1,1-Dichloroethane	< 20.0	ug/L		9/23/2019 15:33
1,1-Dichloroethene	< 20.0	ug/L		9/23/2019 15:33
1,2-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:33
1,2-Dichloroethane	< 20.0	ug/L		9/23/2019 15:33
1,2-Dichloropropane	< 20.0	ug/L		9/23/2019 15:33
1,3-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:33
1,4-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:33
2-Chloroethyl vinyl Ether	< 100	ug/L		9/23/2019 15:33
Benzene	< 10.0	ug/L		9/23/2019 15:33
Bromodichloromethane	< 20.0	ug/L		9/23/2019 15:33
Bromoform	< 50.0	ug/L		9/23/2019 15:33
Bromomethane	< 20.0	ug/L		9/23/2019 15:33
Carbon Tetrachloride	< 20.0	ug/L		9/23/2019 15:33
Chlorobenzene	< 20.0	ug/L		9/23/2019 15:33
Chloroethane	< 20.0	ug/L		9/23/2019 15:33
Chloroform	< 20.0	ug/L		9/23/2019 15:33
Chloromethane	< 20.0	ug/L		9/23/2019 15:33
cis-1,3-Dichloropropene	< 20.0	ug/L		9/23/2019 15:33
Dibromochloromethane	< 20.0	ug/L		9/23/2019 15:33
Ethylbenzene	< 20.0	ug/L		9/23/2019 15:33
Methylene chloride	< 50.0	ug/L		9/23/2019 15:33
Tetrachloroethene	942	ug/L		9/23/2019 15:33
Toluene	< 20.0	ug/L		9/23/2019 15:33
trans-1,2-Dichloroethene	< 20.0	ug/L		9/23/2019 15:33
trans-1,3-Dichloropropene	< 20.0	ug/L		9/23/2019 15:33

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



Client: Day Environmental, Inc.

Project Reference: 5334S-17

Sample Identifier: 988-WS-02

Lab Sample ID: 194633-02

Date Sampled: 9/20/2019

Matrix: Wastewater

Date Received: 9/20/2019

Trichloroethene	< 20.0	ug/L	9/23/2019	15:33
Trichlorofluoromethane	< 20.0	ug/L	9/23/2019	15:33
Vinyl chloride	< 20.0	ug/L	9/23/2019	15:33

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	108	73.4 - 131		9/23/2019 15:33
4-Bromofluorobenzene	89.4	57.2 - 129		9/23/2019 15:33
Pentafluorobenzene	99.1	87 - 112		9/23/2019 15:33
Toluene-D8	95.7	78.3 - 115		9/23/2019 15:33

Method Reference(s): EPA 624.1

Data File: x64705.D

Oxidizers

Analyte	Result	Units	Qualifier	Date Analyzed
Oxidizers	Negative	N/A		9/20/2019

Method Reference(s): ASTM D4981-08

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	7.58 @ 15.0 C	S.U.		9/20/2019 13:58

Method Reference(s): SM22 4500 H+ B

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



Method Blank Report

Client: Day Environmental, Inc.
Project Reference: 5334S-17
Lab Project ID: 194633
SDG #: 4633-01
Matrix: Wastewater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<2.00	ug/L		9/23/2019 14:49
1,1,2,2-Tetrachloroethane	<2.00	ug/L		9/23/2019 14:49
1,1,2-Trichloroethane	<2.00	ug/L		9/23/2019 14:49
1,1-Dichloroethane	<2.00	ug/L		9/23/2019 14:49
1,1-Dichloroethene	<2.00	ug/L		9/23/2019 14:49
1,2-Dichlorobenzene	<2.00	ug/L		9/23/2019 14:49
1,2-Dichloroethane	<2.00	ug/L		9/23/2019 14:49
1,2-Dichloropropane	<2.00	ug/L		9/23/2019 14:49
1,3-Dichlorobenzene	<2.00	ug/L		9/23/2019 14:49
1,4-Dichlorobenzene	<2.00	ug/L		9/23/2019 14:49
2-Chloroethyl vinyl Ether	<10.0	ug/L		9/23/2019 14:49
Benzene	<1.00	ug/L		9/23/2019 14:49
Bromodichloromethane	<2.00	ug/L		9/23/2019 14:49
Bromoform	<5.00	ug/L		9/23/2019 14:49
Bromomethane	<2.00	ug/L		9/23/2019 14:49
Carbon Tetrachloride	<2.00	ug/L		9/23/2019 14:49
Chlorobenzene	<2.00	ug/L		9/23/2019 14:49
Chloroethane	<2.00	ug/L		9/23/2019 14:49
Chloroform	<2.00	ug/L		9/23/2019 14:49
Chloromethane	<2.00	ug/L		9/23/2019 14:49
cis-1,3-Dichloropropene	<2.00	ug/L		9/23/2019 14:49
Dibromochloromethane	<2.00	ug/L		9/23/2019 14:49
Ethylbenzene	<2.00	ug/L		9/23/2019 14:49
Methylene chloride	<5.00	ug/L		9/23/2019 14:49
Tetrachloroethene	<2.00	ug/L		9/23/2019 14:49
Toluene	<2.00	ug/L		9/23/2019 14:49
trans-1,2-Dichloroethene	<2.00	ug/L		9/23/2019 14:49

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Method Blank Report

Client: Day Environmental, Inc.
Project Reference: 5334S-17
Lab Project ID: 194633
SDG #: 4633-01
Matrix: Wastewater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,3-Dichloropropene	<2.00	ug/L		9/23/2019	14:49
Trichloroethene	<2.00	ug/L		9/23/2019	14:49
Trichlorofluoromethane	<2.00	ug/L		9/23/2019	14:49
Vinyl chloride	<2.00	ug/L		9/23/2019	14:49

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	101	73.4 - 131		9/23/2019	14:49
4-Bromofluorobenzene	87.7	57.2 - 129		9/23/2019	14:49
Pentafluorobenzene	96.7	87 - 112		9/23/2019	14:49
Toluene-D8	94.0	78.3 - 115		9/23/2019	14:49

Method Reference(s): EPA 624.1
Data File: x64703.D
QC Batch ID: voaw190923
QC Number: 1

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QC Report for Laboratory Control Sample

Client: Day Environmental, Inc.

Project Reference: 5334S-17

Lab Project ID: 194633

SDG #: 4633-01

Matrix: Wastewater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/L	21.9	109	64.9 - 129		9/23/2019
1,1,2,2-Tetrachloroethane	20.0	ug/L	16.7	83.6	71.2 - 134		9/23/2019
1,1,2-Trichloroethane	20.0	ug/L	16.7	83.7	75.3 - 128		9/23/2019
1,1-Dichloroethane	20.0	ug/L	21.5	108	72.7 - 125		9/23/2019
1,1-Dichloroethene	20.0	ug/L	20.9	105	62.9 - 122		9/23/2019
1,2-Dichlorobenzene	20.0	ug/L	18.3	91.4	75.7 - 124		9/23/2019
1,2-Dichloroethane	20.0	ug/L	19.0	95.2	69.1 - 134		9/23/2019
1,2-Dichloropropane	20.0	ug/L	17.6	88.1	74 - 117		9/23/2019
1,3-Dichlorobenzene	20.0	ug/L	18.0	90.2	71 - 122		9/23/2019
1,4-Dichlorobenzene	20.0	ug/L	17.7	88.6	71.1 - 115		9/23/2019
Benzene	20.0	ug/L	19.9	99.6	77.3 - 125		9/23/2019
Bromodichloromethane	20.0	ug/L	19.6	97.9	70.6 - 124		9/23/2019
Bromoform	20.0	ug/L	17.1	85.5	66.5 - 120		9/23/2019
Bromomethane	20.0	ug/L	22.6	113	66.1 - 139		9/23/2019
Carbon Tetrachloride	20.0	ug/L	23.8	119	62.2 - 131		9/23/2019
Chlorobenzene	20.0	ug/L	19.3	96.3	76.3 - 121		9/23/2019

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QC Report for Laboratory Control Sample

Client: **Day Environmental, Inc.**

Project Reference: 5334S-17

Lab Project ID: 194633

SDG #: 4633-01

Matrix: Wastewater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/L	23.2	116	65.4 - 132		9/23/2019
Chloroform	20.0	ug/L	21.5	107	74.8 - 128		9/23/2019
Chloromethane	20.0	ug/L	27.4	137	39.3 - 148		9/23/2019
cis-1,3-Dichloropropene	20.0	ug/L	17.5	87.6	58.9 - 122		9/23/2019
Dibromochloromethane	20.0	ug/L	17.1	85.6	72.9 - 126		9/23/2019
Ethylbenzene	20.0	ug/L	21.9	109	67.6 - 126		9/23/2019
Methylene chloride	20.0	ug/L	20.0	99.8	66.2 - 135		9/23/2019
Tetrachloroethene	20.0	ug/L	20.0	100	73.5 - 129		9/23/2019
Toluene	20.0	ug/L	20.4	102	76.7 - 125		9/23/2019
trans-1,2-Dichloroethene	20.0	ug/L	21.2	106	67.2 - 129		9/23/2019
trans-1,3-Dichloropropene	20.0	ug/L	16.6	83.0	59.3 - 123		9/23/2019
Trichloroethene	20.0	ug/L	20.1	100	72.1 - 123		9/23/2019
Trichlorofluoromethane	20.0	ug/L	25.4	127	54.4 - 142		9/23/2019
Vinyl chloride	20.0	ug/L	27.0	135	49.8 - 142		9/23/2019

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QC Report for Laboratory Control Sample

Client: Day Environmental, Inc.

Project Reference: 5334S-17

Lab Project ID: 194633

SDG #: 4633-01

Matrix: Wastewater

Volatile Organics

Analyte	Method Reference(s):	BPA 624.1	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
	Data File:	x64702.D							
	QC Number:	1							
	QC Batch ID:	voaw190923							

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Analytical Report Appendix

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

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

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

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

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

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

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

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

"Z" = See case narrative.

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

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

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

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

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

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

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

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

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

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

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

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

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

Warranty.

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

Scope and Compensation.

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

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

Prices.

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

Limitations of Liability.

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

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

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

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

Hazard Disclosure.

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

Sample Handling.

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

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

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

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

Legal Responsibility.

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

Assignment.

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

Force Majeure.

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

Law.

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

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

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Chain of Custody Supplement

Client: Day Env Completed by: Mollyrail
 Lab Project ID: 194633 Date: 9/20/19

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

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Preservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	VOA : Cl ⁻ neg		
Holding Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	15°C in field started in field		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	no bottle clots for peroxidizer containers VOA was sampled in clean containers		



Document Path: E:\GIS Mapping\Rocky Andrews_Street\GIS_Data\Andrews_Street\Supplemental_Deep_Soil_Removal\5334S-14-SDSR-Proposed Sewer Discharge.mxd



● Storm inlets
 ● Combined sewer manhole
 — Combined sewer line
 ▭ Frac tank
 ▭ Andrews Street ERP Site



Proposed Sewer Discharge Location

Bristol St

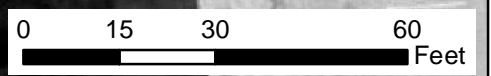
BRISTOL STREET

ANDREWS STREET

NOTES:

Base mapping data provided by City of Rochester and Monroe County. This information should be considered approximate.

Aerial imagery provided by Monroe County, dated 2018. This image may not reflect the most recent conditions on the site.



PROJECT MANAGER	JAD	DATE	10-2019
DRAWN BY	CPS	DATE DRAWN	10-2019
SCALE	AS NOTED	DATE ISSUED	10-02-2019


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

Project Title	300, 304-308, 320 ANDREWS STREET AND 25 EVANS STREET ROCHESTER, NEW YORK
Project No.	5334S-17
ENVIRONMENTAL RESTORATION PROJECT	NYSDEC SITE NO.: E828144
Drawing Title	Site Plan - Proposed Sewer Discharge Location

FIGURE 1

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. _____

ST- Permit No: _____

Expires: _____

Fee: \$125.00

FirmName _____

Address _____

Type of Business or Service _____

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated _____ and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

- A. Day Environmental, Inc.
- B. 1563 Lyell Avenue
- C. Rochester, New York 14606

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) David D. Day, PRESIDENT

Applicant's Signature  Date October 2, 2019

Applicant's Title President Phone (585) 454-0210

Emergency Contact Jeff Danzinger Phone (585) 454-0210

Renewal Approved by: _____ Issued this ___ day of _____ 20__.

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County

ORIGINAL DOCUMENT PRINTED ON CHEMICAL REACTIVE PAPER WITH MICROPRINTED BORDER

day

DAY ENVIRONMENTAL, INC.
1563 LYELL AVE
ROCHESTER, NEW YORK 14606



50-365/223

16128

DATE

9/27/2019

PAY TO THE ORDER OF Monroe County Director of Finance

\$**125.00

One Hundred Twenty-Five and 00/100*****

DOLLARS

Monroe County Director of Finance
MCDES
Industrial Waste Control
145 Paul Road, Bldg. 10
Rochester, New York 14624

OPERATING ACCOUNT

MEMO 5334S-19

Paul Day

THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE - RED IMAGE DISAPPEARS WITH HEAT.

⑈0 1 6 1 2 8⑈ ⑆0 2 2 3 0 3 6 5 9⑆ 1 1 0 2 2 4 9 4 3 1⑈

DAY ENVIRONMENTAL, INC. 1563 Lyell Ave. Rochester, NY 14606

16128

Monroe County Director of Finance

Date	Type	Reference	Original Amt.	Balance Due	9/27/2019 Discount	Payment
9/27/2019	Bill	Permit	125.00	125.00		125.00
					Check Amount	125.00

day

DAY ENVIRONMENTAL, INC.

CNB Checking Accou 5334S-19

125.00

SPECIALTY SHORT TERM DISCHARGE PERMIT

CK 16128
insurance exp 5/1/2020

County of Monroe Pure Waters District No. 8575

ST- Permit No: ST-371

Expires: 3/31/2020

Fee: \$125.00

FirmName Day Environmental

Address 1563 Lyell Ave
Rochester, NY 14606

Type of Business or Service Site Remediation

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated Oct 2, 2019 and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A. ~~Day Environmental, Inc.~~

B. 1563 Lyell Avenue

C. Rochester, New York 14606

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) David D. Day, PRESIDENT

Applicant's Signature David D. Day, Pres Date October 2, 2019

Applicant's Title President Phone (585) 454-0210

Emergency Contact Jeff Danzinger Phone (585) 454-0210

Renewal Approved by: Michael J. Garland Issued this 7 day of Oct 20 19

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County

**COUNTY OF MONROE
SEWER USE PERMIT ENCLOSURE**

Day Environmental
1563 Lyell Ave
Rochester, NY 14606

PERMIT NUMBER: ST-371
DISTRICT NUMBER: 8575

SITE LOCATION: 300, 304 to 308 Andrews St, Rochester, New York
TYPE OF BUSINESS: Site Remediation, Surface/Ground water
SAMPLE POINT: Frac Tank

REQUIRED MONITORING

SELF MONITORING FREQUENCY: Each Frac Tank Discharge

SAMPLING PROTOCOL: Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto. In the absence of 40 CFR Part 136 testing methodology, a New York State Department of Health, approved method is acceptable. A grab sample, collected from the above noted sample point shall be analyzed for the following:

* Volatile Organic Compounds

* The summation of all volatile organic compounds reported greater than 10 µg/l shall not exceed 2.13 mg/L.

SPECIAL CONDITIONS:

1. Sample results for each frac tank must be reviewed and approved by Monroe County prior to discharge.
2. Monroe County must approve the discharge location.
3. Treatment system is to be inspected and approved by Monroe County prior to discharge if treatment is required.
4. Treatment equipment must be maintained to ensure proper filtration of the wastewater.
5. The summation of volatile organic compounds and semi-volatile organic compounds greater than 10 µg/L cannot be greater than 2.13 mg/L.

DW: 10/7/2019

APPENDIX H

Field Notes, Sign-In Sign-Out Sheets, and Truck Tracking Logs

(Refer to CD)

Location Andrew St. Site Date 8-27-2019 57

Project / Client Roentri 53345-19

0852 - JAD + CCD on-site

0853 D. Park (Lift) on-site

Weather: cloudy, intermittent rain
expected, 6T-7T of
5-10 MPH wind.

Objective: mark out site, layout
feature using string line

0859: Humm on-site

0910 - C Theobald + Liz Kaptan (DEC)
on-site.

~~1030~~ 1030 - D. Park off-site

1100 - DEC off-site

1118 - CCD + Humm off-site +
PODs being delivered

1135 PODS driver off-site

1145 - D. Park on-site + will stay
for portable toilet placement

1200 JAD off-site

Location Andrews St Site Date 8/29/2019
 Project / Client Recy. 53345-19

0830 JAD on-site

- transfer supplier to POD,
 mark out features

0850 - CCD on-site to assist.

1000 D. Peck (City); Keith Hambley
 + Steve Stokumster (TREC)
 on-site

- go over project layout
 - TREC to change Ramp, staging
 area + delineate pad locations
 + provide tentative schedule

1045 JAD, CCD, D Peck, Hambley +
 Stokumster off-site

Location Andrews St Site Date 9/3/2019
 Project / Client Recy. 53345-19

0900 - JAD and NES on-site
 Steve Stokumster + Jeff Ignazak from
 TREC already on-site

0905 - D. Peck (City) on-site

0925 - Keith Hambley (TREC) on-site

0930 Jim Agge (TREC) on-site with
 TRUCK + Geoprobe for well decommissioning
 work

TREC excavator DEERE 260CLC
 and Loader VOLVO L110G

0940 - Keith Hambley off-site.

Weather - mostly cloudy 70-80°F - 0-5
 mph wind; Humid.

objectives: TREC move equipment +
 supplies, mark out staging areas,
 decommission some wells.

1115 - well decommissioning will meet.

- TREC will also look to modify
 staging area to consist of 11R20.
 overlap by 60 mil liner instead
 of 3" pasture overlap by 30 mil
 liner - need to run relocation
 of ramp, delineate staging area changes
 by NTRDEC

1118. Everyone off-site

Location Andrew St. Site Date 9/3/2019
 Project / Client Roady- 53345-17

- 1400 JAD, NEJ, Hmin, Dferk + Joe B onsite
 S. Stachumster (TREC) already on-site.
- 1405 Liz Caplan + Charlotte Theobald (DEC)
 onsite.
- 1300 ~~Chris~~ Steve Stachumster, and everyone
 but JAD off-site - Chris Stachumster
 (TREC) on-site to off-load + install
 of material
- 1510 JAD + Chris Stachumster off-site.

Note - During on-site work w/ DEC + Gb -
 DEC agreed to modification layout
 of staging areas, decan pad +
 ramp + also modification staging
 area material changed to high-density
 fabric available by 60mil plastic
 sheeting/liner.
 - NO Penstems to be installed

Location Andrew St. Site Date 9/4/19
 Project / Client Roady- 53345-19

- 0750 - CCD on-site, TREC (S. Stachumster,
 J. Agre, J. Ignaszak) already on-site
 getting ready
- 0800 JAD on-site
- weather: Rain letting up, will be
 partly sunny 70-75°F 0-10 MPH wind
- Objectives: decommission Iw-14,
 Iw-15, and Iw-21 at first
 consideration staging areas.
- 0830 - mix grant 96 lbs Portland to 4 lbs Bentonite
- 0840 - Safety meeting held by TREC
- 0845: generator not making adequate power
 for mixing / pumping.
- 0850 - set up diffused gravel - Finish
 mixing and use fresh port
 6-8 gallon/well
- mix: 7-8 gallons H₂O + 96 lb Portland +
 4 lbs Bentonite Crumbler
 ↳ made 2 batches used all except
 2 gallons of mix.
- 0910 Iw-14, Iw-15 + Iw-21 well decommissioning
 complete. TREC clean up.
- Note: liner sealing person owns his company
 + not sched to work - will be on-site later
 today or this week.

Location Andrews St. Site. Date 9/4/2019Project / Client Rocky-53345-17

- 0924 Jim Ager + Jeff Ignazek (TREC)
off-site to pick up more 60 mil
liner
- 0935 Steve Stackhammer also off-site
Trailer that Jeff Ignazek is pulling
needs repair: Steve S to follow
Jeff to Brad's Trailer Repair.
- 11:15 TREC guys on site
- 11:30 Start working on the berm
- 12:00 4th Truck with stone on site
with and Steve S from TREC
ask the driver for 2 more loads
- 12:00 Keith H. on site
- 12:10 Keith H off site with Jim A
- 12:45 Keith H and Jim A on site
start → finish the berm
- 13:20 Keith H off site
- 13:50 First layer of fabric layed down
- 14:05 JAD on site
- 14:40 Jim A off site
- 15:10 JAD off site
- 15:20 Jim A on site → He returns
with more fabric
- 15:30 Everyone off-site

Location Andrew A Site. Date 9-5-19Project / Client Rocky-53345-17

- 0800 JAD, CLO + Jim Ager (TREC) on-site
Objectives: continue const. of staging area
and dolan pad
- Weather: mostly sunny; 55-75°F 0-10
mph wind.
- 0805 - Steve Stackhammer (TREC) on-site
- 0830 - Jeff Ignazek (TREC) on-site
- 0845 - Start ~~get~~ working on const. of
dolan pad
- 0955 - change in plans - TREC working
on installing 60 mil plastic liner in staging
area.
- 10:01 HMM on site
- 10:07 CLO off site
- 1030 JAD off-site
- 10:42 minor leak of hydraulic oil
from loader on east of Site
est. ~4 oz
- TREC placed 5-gal pail below
plan to shovel cover material
into staging area when staging
area complete

Location Andrews St Site Date 9/5/19
 Project / Client Rocety. 53345-17

11:25 cut down IW-A to
 couple inches above ground
 to allow 60 mil cover

12:00 Solmax 60 mil spread out.

12:05 Darryl began sealing
 (welding) the seams of the
 Solmax 60 mil

* had to adjust Solmax slightly
 to line up sides

12:20 Steve Kiernan (AcmeMobile)
 on-site to fix back-up
 alarm on loader.

12:25 Lunch Break

12:55 began moving Solmax 60 mil
 again

13:05 Steve Kiernan off site

13:15 began actual sealing w
 "mouse"

Location Andrews St Site Date 9/5/19 65
 Project / Client Rocety. 53345-17

13:40 CCD on-site

13:50 Mmm off-site

14:40 Welding tarp is done. Darryl
 start fixing some holes

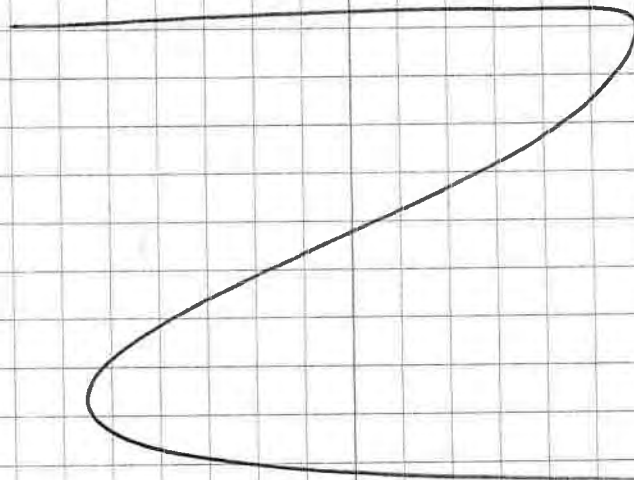
14:55 JAD on site

15:10 JAD off site

15:30 Darryl done sealing the
 tarp

15:45 Darryl off site

16:00 CCD, SS, JA and Ji off
 site



66

Location Andrew St site Date 9/6/2019
 Project / Client 5334 S-17

8:00 JAD, CCD, SS, JA on site
 8:30 TREC start working at Decon Pad
 8:50 JAD off site to office
 10:40 Denis Peck on site → brought face respirator
 10:55 D.P. off site
 12:10 TREC crew off site
 12:15 CCD off site

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Location Andrew St. Date 9/9/2019
 Project / Client Resid 5334 S-17

7:45 CCD on site
 8:00 JA, DP and SS (TREC out city) on site
 8:00 JAD on site
 8:05 MJ Driver drops 1 load of #2 washed stone for decon pad
 8:10 TREC spreads stone inside decon pad.
 0835 Calibrate MiniRAE 3000 PID SN: 592918767
 0837 Calibrate RTAM PDR-1000AN SN5171
 0840 Calibrate MiniRAE 2000 PID SN 110-015034
 0842 Calibrate RTAM PDR-1000AN SN7925
 0905 Plan out excavation work with TREC
 0915 set up camp - ~~from~~ wind coming out of East
 0920 Start removing 2' of cover from inner excavation area
 11:00 Kurt Bollenstein (KB) - TREC on site
 1130. Nick J (DAY) on site
 1200 Alex WZ on-site from City

Location Anbar St. Site Date 9/9/2019
 Project / Client Routy 53345-17

13:30 Start excavating reusable soil from ramp area. Every 3rd bucket is screened with PID

13:52 Start excavating re-usable in ext Ovals area

14:05 Portable toilet on site to clean up

14:18 BE-1 0.0 ppm PID 0.004 ^{mg}/m³ RTAM

14:31 PID readings on excavated re-usable range between 0.5 and 3.1 ppm

14:40 PID on exc. re-usable 0.1 - 0.4 ppm

14:41 BE-1 0.0 ppm RTAM = 0.004 ^{mg}/m³

14:57 BE-1 0.0 ppm RTAM = 0.014 ^{mg}/m³

* PID on exc. re-usable soil ranges between 0.1 and 0.6 ppm

15:00 PID on exc. black/grey reusable soil = 7.2 ppm

15:22 BE-1 0.0 ppm PID 0.008 ^{mg}/m³ RTAM

15:24 PID on exc. reusable soil 0.1 - 6.0 ppm

15:35 Use GPS + measure 4 corners of ramp
 TREE covering piles of re-usable soil with 2 layers of 6 mil poly plastic sheeting → secured with black safety barrel rings which encircle fire side walls

Location Anbar St. Site Date 9/9/2019
 Project / Client Routy 53345-17

15:40 TREE secures excavation with orange construction fencing.
 16:00 TREE + DAY off-site

Location Andrews St Site Date 9-10-2019
 Project / Client Route 53345-17

0800 CLO, JED, Steve Hochmuth +
 Kurt Belkstein on-site

Weather mostly sunny 6-10 mph wind
 60-85°F over the day

Objectives: continue removing
 re-usable soil from excavating

8:00 Calibrate MiniRAE 2000 SM 110-015034

8:05 Calibrate MiniRAE 3000 SM 592-018507

8:10 Calibrate PDR 1000 AM 5121 OK

8:15 Calibrate PDR 1000 AM 7925 OK

9:15 Check BG → Assess (Plan) the work

- will remove wall cover to create platform for excavator to sit on
- then go after removal of additional re-usable soil.

- wall cover removed necessary for access constraints + not cross-contaminating the cover material

- wall cover removed necessary for access constraints + not cross-contaminating the cover material

- wall cover removed necessary for access constraints + not cross-contaminating the cover material

0905 D. Pade on-site

0920 start excavating re-usable from area outside IRM-01

0932 BZ-1 PID=0.0 RTAM=0.005 mg/m^3

1011 BZ-1 PID=0.0 RTAM=0.001 mg/m^3

1038 ~~BZ-1~~ PID=0.0 RTAM=0.004 mg/m^3
 PID BZ at large curv exc. - South side.

Location Andrews St Site Date 9-10-2019
 Project / Client Route 53345-17

1058 - PID readings on every other bucket of reusable soil being excavated on side IRM-01 have been between

0.0 ppm + 3.1 ppm - similar to other reusable soil removed from within former IRM-01 Exc.

1100 BZ-1 PID=0.0 ppm RTAM=0.007 mg/m^3

1108 - all reusable soil outside IRM-01 Exc. has been removed and placed in staging area as a separate pile.

1110-1140 Break for lunch

1145 - TREL moving berm (CR2) under SE portion of staging area to create more usable space on staging area.

12:40 Start Resume digging

1305 - Nick (Rem for Rest on-site)

1315 - Nick (Rem for Rest off-site)

- took measurements for hose length

1320 every 4th bucket of soil is being screened

→ PID's ranging between 0.4 and 1.7 ppm

1323 BZ-1 PID=0.0 ppm RTAM=0.007 mg/m^3

1330 PID on reusable soil 0.7 to 3.2 ppm

1351 BZ-1 PID=0.0 ppm RTAM=0.008 mg/m^3

1355 PID on bucket of soil = 26.4 ppm

Location Andrew St. Site Date 9/10/19
 Project / Client Realty 53345-17

- 1440 PID's excavated reusable soil range
 between 0.4 ppm and 11.1 ppm
 1441 BZ-1 PID = 0.0 ppm RTAM = 0.010 $\mu\text{g}/\text{m}^3$
 1450 Had 140 ppm on bucket from
 11.5' bag @ North end of inner oval
 1620 OOD off site + Joe B/D Parks off-site
 1630 JAD off-site

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 Location Andrew St. Site Date 9-17-19
 Project / Client Realty 53345-17

- 0800 - JAD, D. Beck, S. Steinhilber, J. Kyr, at Karl Betterstein on-site
 weather: partly cloudy 75-85 F humid
 objectives continue exc. of reusable soil from supplemental remediation area - PID every other bucket
 0801 Calibrate PDR 10000W SN 5171 RTAM
 0801 " " " SN 7925 "
 0805 Calibrate MiniRAE 3000 SN 592-918767
 0810 " " 2000 SN 110-015034
 0835 Alex Zim (LAD) on-site
 0845 Start excavating reusable soil + placing on staging area
 0850 BZ-1 PID = 0.0 ppm RTAM = 0.010 $\mu\text{g}/\text{m}^3$
 0931 PID's on exc. soils ranging between ~~0.0~~ 0.0 ppm and 44 ppm, no odors
 0935 BZ-1 PID = 0.1 ppm RTAM = 0.009 $\mu\text{g}/\text{m}^3$
 1001 BZ-1 PID = 0.1 ppm (BG) RTAM = 0.009 $\mu\text{g}/\text{m}^3$
 1021 BZ-1 @ exc PID = 0.1 ppm RTAM = 0.008 $\mu\text{g}/\text{m}^3$
 1026 PID's on every dir bucket = 0.0 ppm to 9.8 ppm no odors
 1033 PID on bucket = 1.6 ppm, no significant odors
 1035 Keith Hambley on-site

Location Andrew St Site Date 9-11-19
 Project / Client Rozity 53345-17

1110 Resume work + Keith Hambrey
 off-site.
 - change in plans: build larger
 ramp within oval + platform to
 exc cont. soil @ N end. so
 that there is enough to move
 around with specific excavator
 + loader.

1111 PID on exc. reusable = 82.2 ppm

1122 " " " " = 13.4 ppm

1125 BE-1 PID = 0.2 ppm RTAM = 0.013 $\mu\text{g}/\text{m}^3$

1134 PID on exc. reusable = 86 ppm

1135 Rin for Rest Frac tank on-site,
 exc work stops to assist with
 Frac tank placement.

1215 Resume excavation of reusable soil.

1227 BE-1 PID = 0.1 ppm RTAM = 0.025 $\mu\text{g}/\text{m}^3$

1235 put labeled stakes into current soil
 piles for identification

1241 PIDs on exc. reusable soil buckets
 range between 0.5 and 3.3 ppm

1303 PID on exc reusable = 20.4 ppm

1316 " " " " = 19.9 ppm

1317 BE-1 PID = 0.1 ppm, RTAM = 0.009 $\mu\text{g}/\text{m}^3$

Location Andrew A Site Date 9-11-19
 Project / Client Rozity 53345-17

1323 PID on exc. reusable soil = 24.6 ppm

1327 TREC prep pump + hose for
 Biozone Pinkwater spray work

1350 PID on exc. reusable soil = 8 ppm

1400 " " " " " = 70 ppm

1401 BE-1 PID = 0.2 ppm RTAM = 0.012 $\mu\text{g}/\text{m}^3$

1420 PID on exc reusable soil = 0.4 ppm

1421 BE-1 PID = 0.1 ppm RTAM = 0.012 $\mu\text{g}/\text{m}^3$

1430 PID on exc reusable soil = 0.1 ppm

- we have excavated from N → S

1434 BE-1 PID = 0.1 ppm (BG), RTAM = 0.062 $\mu\text{g}/\text{m}^3$

1436 PID on exc reusable soil = 91.3 ppm

1445 Prep to start excavating North
 contaminated soil - will freeze every
 other bucket with PID

1454 PID on contam soil 133 to 433 ppm

1457 PID on " " = 2084 ppm - put
 in segregated 71000 ppm PID pile

1500 Job + D Park on-site

1520 - done dragging for the DAY - TREC
 to cover today's pile

1660 everyone off-site

Location Andrews St. Site Date 9/12/2019Project / Client Rocby-53345-17

- 0800 JAD, S. Stackmaster, Kurt B on-site
- 0805 Alex Zam + J. Agre on site.
- 0810 D Peck on-site
- 0815 Calibrate Mini RAE 3000 PID SN 592-918567
- 0816 " " 2000 PID SN 110-017034
- 0817 Calibrate PDR 1000AN SN 5171
- 0818 " " " SN 7925 ^{ext wind going west}
- weather 65-70 cloudy, light wind
- objective: remove contaminated from north portion of inner area excavation
- 0819 Keith Hambley on-site
- 0825 " " off-site
- 0830 JC Smith on-site delivering poly plastic.
- 0845 start excavating contaminated + tie rings at N end of small oval → PID monitoring at least every other bucket, 6" standing water in hole
- BioToluz Pinkwater being sprayed on open excavation
- PID on exc soil center = 397.5 ppm
- 2 piles being under for contaminated
- thumbs up pile < 1000 ppm PID
 - thumbs down pile > 1000 ppm PID
- 0850 BE-1 PID = 0.7 ppm RTAM = 0.009 ^{ug/m³}
- 0855 PID on contaminated = 755 ppm

Location Andrews St. Site Date 9/12/2019Project / Client Rocby-53345-17

- 0904 PID on contaminated = 1335 ppm ^{- till}
- 0920 BE-1 = PID = 2.0 ppm RTAM = 0.015 ^{ug/m³}
- 0936 PID on contaminated = 1442 ppm } ^{9.00%}
- 0943 " " " = 2250 ppm } ^{till}
- 0952 " " " = 3214 ppm
- excavator operator, J. Dan Zuger, and Alex Z. Newtons done APR-5
- 1001 BE-1 PID = 1.6 ppm, RTAM = 0.000 ^{ug/m³}
- 1015 part of hole measured @ 22' deep
- will clean rest to 24' + collect samples.
- 1021 PID on contaminated ^{red} fine sand = 687 ppm
- 1045 collect B-1 (24) - PID = 1.3 ppm
- collect Q8/QC - 6 46ml 5035, 1 4602
- 1108 collect S-1 (18-19) PID = 242 ppm
- 1 5035 kit, 1 4602
- 1115 collected S-2 (20) PID = 28.4 ppm
- (1) 5035 kit, 1 4602
- 1130 - ~~excavate~~ excavate reusable from central + southern portion of removal area
- TRAC to try to excavate entire removal area prior to any hardware installation or backfilling
- 1256 BE-1 = PID = 0.2 ppm RTAM = 0.000 ^{ug/m³}

Location Andrew St. Site Date 9/13/19
 Project / Client Realty, 53345-17

- 1300 PC-measured/painted inner oval
 Southern half using flight lines
- 1304 continue removing reusable soil from
 inner oval
- 1325 ~~Reel~~ PID on reusable soil = 1.0 ppm
- 1327 load of #2 washed stone on-site
 - MJ Dasher truck # MSD-17
- 1341 BZ-1 PID = 0.2 ppm RTAM = 0.005 mg/m³
- 1352 PID on reusable being removed = 0.2 ppm
 on ramp area
- 1354 BZ-2 (south side ramp) PID = 0.2 ppm
 RTAM = 0.001 mg/m³
- 1426 Start excavating contaminated soil
 from inner oval, west side
- 1432 Bill Taylor BT30 on-site with load of
 washed #2 stone
- 1434 BZ-1 PID = 0.3 ppm RTAM = 0.003 mg/m³
- 1444 PID on contam soil = 1,998 ppm
- 1453 " " " " = 35.2 ppm
- 1454 BZ-1 PID = 0.6 ppm RTAM = 0.022 mg/m³
- 1508 PID on contam. soil = 158.0 ppm
- 1514 Stop digging soil for the day.

Location Andrew St. Site Date 9/13/19
 Project / Client Realty, 53345-17

- 0800 D Peck, S Stodomas, Kurt B, Alex M, Cat D
 Chris (Fred) on site
- 0805 Calibrate Minimate 3000 PID SN 592-91567
- 0806 " " 2000 PID 110-01508
- 0808 Calibrate PDR 1000 SN 5171
- 0809 " " " SN 7925
- Weather PC 55° light out winds
- Objective: remove contaminated from
 central/southern portion of inner Exc.
- 0815 Tree preparing pumps + hoses to
 dewater excavation. ~3' of water in
 excavation.
- 0830 Safety meeting - discuss general excavation
 safety. Stay clear of equipment and
 away from excavation edge.
- 0845 Tree working on covering piles w/
 10 mil reinforced poly sheeting
- 0910 Dewatering continues
- 0940 Start excavating contaminated soil
 1st Bucket 670 ppm
 + humbles up pile < 1000 ppm
 + humbles down pile > 1000 ppm
 ~16-18' B6s near west aerial wall

Location Andrews St. Site Date 9/13/19
 Project / Client Rec. W. 5334 S-17

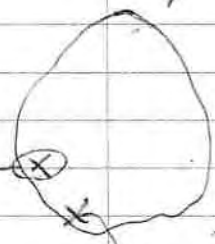
- 1000 Digging near IW-16 ~18' BGS
 generally < 100 ppm
 1010 > 2000 ppm ~20' west of IW-13
 1020 Take Sidewall sample S-3(19)
 triple volume for MS/MSD 43.2 ppm
 Breathing zone

RTAM 0.007

PID 0.2 ppm

- 1050 Soils near IW-13 ~20' up to 7000 ppm
 Soils near IW-22 < 200 ppm decrease
 w/ depth + change to tan sand

23-24' < 50 ppm



n 20' to 20-700 ppm

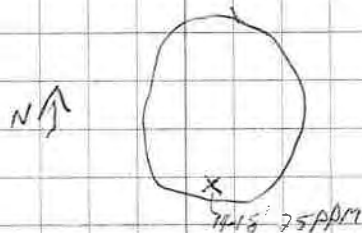
1110 BZ RTAM 0.004

PID 0.2 ppm

- 1120 Tree discuss options regarding
 ramp + reach for remainder of Excavation

Location Andrews St. Site Date 9/13/19
 Project / Client Rec. W. 5334 S-17

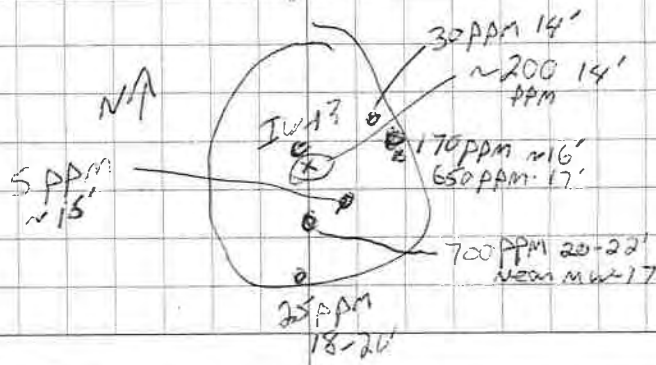
- 1145 Resume Excavation at south end
 of oval 12-13' 0.5 ppm
 BZ RTAM 0.004
 PID 0.0 ppm



- 1200 Work on Ramp to reach rest of
 excavation

- 1250 Begin excavation work again
 at IW-13 area 12-14'

- 1300 Sample Bottom S-3 ^{DP} B-2(24)
 fine sand homogeneous 3.9 ppm



Location Andrews St. Site Date 9/13/19
 Project / Client Roubin 53345-17

1415 Joe Brindolilla (City) on Site
 BZ RTAM 0.008
 PID 0.2 PPM

1530 Chris Smelt (DAY) on site to
 GPS piles

~1430 Liz (NYSDDEC) on site

1500 We have reached limits of excavation

1500 Samples S-4 (19) 0.6 PPM

1510 S-5 (19)

1520 B-3 (24) 0.2 PPM

1555 Liz (NYSDDEC) off site
 Trec covering piles
 Chris Smelt off site

Location Andrews St. Site Date 9/16/19
 Project / Client Roubin 53345-17

745 Mmm on-site (Jeff, Steve, Kurt)
 TREC on-site
 Weather 60°F, cloudy, light rain

dewatering in process - water in
 excavation is pink / purple.

750
~~8:00~~ Dennis Peck on Site
 CCD on-site

8:00 CCD off-site

8:05 Alex on-site

Alex calibrated PD 110-015034

0.0 ppm / 100.0 ppm
 PID 592-918567, 0.0 ppm / 100.0 ppm

zeroed dust monitor

7925

7257

8:55 Dennis Peck off-site

9:25 Jeff (TREC) off-site

9:30 Alex off-site

9:50 Alex return

Location Andrews St. Site Date 9-16-19Project / Client Rocby - 53345-17

9:55 Hnm off-site (bathroom)

10:10 Hnm on-site

still pumping water

11:10 Dennis Peck on-site

Dennis + Joe spoke w Charlotte re TREC driving on north of the soil staging area - will require paly and road mats.

- plan to backfill w reusable soil from base up w stone as bedding around the piping

11:40 Also off-site

12:05 began moving clean material from south area of excavation into base of excavation - ALSO still dewatering started camp

Location Andrews St Site Date 9-16-19Project / Client Rocby - 53345-17

12:20 Jeff (TREC) on-site collected 2x5 gal pails for Procter test

12:35 Jeff off-site

Steve is moving reusable material into the upper ledge ~~on~~ south of the excavation, Kurt is moving it into excavation

1300 Roc-Rents on-site w Compactor

the reusable material is from the pile directly south of the excavation

1330 DP + Hnm marked green pt on exterior of excavation + eyeballed based on figure developed by DP + Joe B.

1338 pump removed from last water

Location Andrews St. Site Date 9.16.19
 Project / Client Rarity. 53345-17

1345 DP off-site

1415 DP on-site

1425 Alex on-site

1500 Joe B. on-site - wants less
 plastic in backfill

1515 frac tank ~ 1/2 full

1525 Joe B off-site

1535 TREC done moving material
 - the liner for the west end
 of the staging area is has
 been removed during the
 movement of material

1545 Alex off-site

1550 TREC off-site

Himm double checked fence,
 locks, frac tank

1600 Himm off-site

Location Andrews St. Site Date 9/17/19
 Project / Client Rarity. 53345-17

7:45 Himm on-site
 TREC (Kurt B + Steve) on-site

Temp 50°F, clear

goal: continue backfilling
 begin installation of the
 ISC hardware

8:00 Alex on-site

calibration completed on PID
 S/N: 110-015034 0.0 ppm / 99.3 ppm
 S/N: 592-918567 0.0 ppm / 100.0 ppm

Zeroed Dust Meters

S/N 7925

S/N 5171

discuss plan w Steve + Kurt.
 They plan to fill the excavation
 to 42' bps - then use the
 mini-ex to create a 10'
 trench for installation

Location Andrews St Site Date 9.17.19Project / Client Rocity - 53345-17

of the ISO hardware.

The large excavator will sit on top of the ~~soil piles~~ on the reusable material piles and load ~~soil~~ reusable material into the excavation. - this should limit damage to the liner in the staging area.

8:15 - Cramp started

no water visible in excavation

8:35 TREC began cleaning pumps + hoses.

Began uncovering reusable material piles - laying out poly

9:00 Alex off-site

9:25 DP on-site

Location Andrews St Site Date 9.17.19Project / Client Rocity - 53345-17

9:35 began backfilling

9:40 Alex on-site

10:00 DP off-site
lg excavator out of excavation and moving ~~soil~~ reusable material

10:34 large excavator reentering excavation.

11:00 Kurt off-site

11:55 Kurt on-site

12:00 excavation backfilling stopped

12:05 - Alex + Himm off-site

12:20 Himm on-site

12:25 Exc. backfilling restarted

Location Andrew St. site Date 9-17-19
 Project / Client Routy 53345-17

1235 AZM on-site

1250 DP on-site

1305 DP off-site

1314 Steve Stockmaster off-site

13:48 Kurt marked out
 1500 hardware locations
 in the semi-backfilled
 excavation - backfilling stopped
 at ~ 12' bgs

14:00 NIES on-site

14:30 Joe B + DPeck on site

1445 CCD on-site

1450 CCD off-site

1500 Alex off-site

1525 Joe B + Dennis P off-site

1530 TREC off-site

15:30 Himm + NIES off-site

Location Andrews St Site Date 9-18-19
 Project / Client Routy 53345-17

7:45 Himm on-site
 TREC (Steve S) on-site

755 Kurt on-site

8:00 Himm zeroed Port meter
 5171
 7257

Alex on site

8:05 calibrated PID's

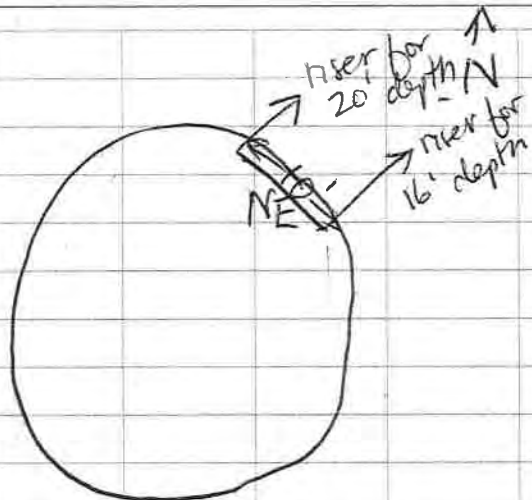
S/N 592-918567 0.0 ppm/100.0 ppm
 S/N 110-015034: 0.0 ppm/100.0 ppm

8:25 mini-ex going into
 excavation
 - track off - will need to
 be repaired

8:55 TREC has fixed the
 track - began using laser
 to establish elevation

9:05 excavation of NE 20' bgs
 trench.

Location Andrews St. Site Date 9.18.19
 Project / Client Rocity 5334S-17.



at about 5' (i.e., 17' bgs)
 material being removed is
 wet.

9:30 Dennis Peck on-site

9:35 NE trench at depth 20' bgs
 Steve used loader (brushed
 off) to get washed stone
 to ledge on the south side
 of excavation.

Location Andrews St. Site Date 9.18.19
 Project / Client Rocity 5334S-17

9:40 Dennis P off-site

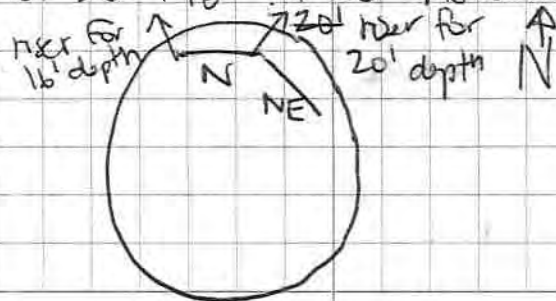
9:45 washed stone placed
 around screened pipe
 - Kurt began backfilling

9:55 - 1/2 pile of washed stone
 moved!
 TREC continued backfill
 of NE trench.

10:03 began laying washed
 stone for 16' depth pipe

10:25 AZM off-site

10:30 Kurt began north trench
 for 20' + 16' ISCO hardware



Location Andrews St. Site Date 9.18.19
 Project / Client Roady. 53345-17

10:53 trench is carry on south wall slightly.

Steve moved the lg excavator into excavation to move the washed stone

11:02 - 20' deep 1500 hardware on the north of excavator installed

11:25 16' deep 1500 hardware on north installed

11:30 track off mini-ex again Steve S. off-site

Kurt trying to repair track

12:15 Steve S on-site

12:405 excavation work (ie 1500 hardware) restarted mini-ex repaired

12:52 Dennis Peck on-site

12:54 Dennis Peck off-site

Location Andrews St Site Date 9.18.19
 Project / Client Roady. 53345-17

12:55 Kurt began ^{north.} west trench

riser for 17' depth running to the SW.
 riser for 17' depth running to south along east of excavation

13:10 NW pipe in at 17' by washed stone being added

13:18 began western trench.

13:32 pipe (1500 hardware) being installed on west

13:40 west 1500 hardware installed - backfilling trench.

13:50 Kurt began trench for east 1500 hardware

13:55 still digging

96

Location Andrews St Site Date 9.18.19Project / Client Rocaty 5334 S-17

4:10 East ISCO hardware installed.

14:15 began trench on south-southwest

14:20 AZM on-site

14:50 Joe B on-site

15:00: S-SW trench ISCO hardware installed

- spreading washed stone at 12'.

note: upper pipe on NE is at 15' bag, not 16'.

15:15 tamping/installation complete

15:25 Joe B off-site

15:30: TREC off-site

15:35: AZM off-site

15:40: HMM off-site

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Location Andrews St Site Date 9.19.19Project / Client Rocaty 5334 S-17

7:45 HMM on-site

TREC (Steve S + Kurt B) on-site already.

Temp: 55°F, clear

goal: Continue backfilling of excavation.

8:05 HMM calibrated PID

SN 8.592-918567 0.0 ppm/1000 ppm

SN 110-015034

AZM on-site

zoned Dust meters 5171 + 7257

TREC began uncovering reusable material

denotation: TREC doesn't think

the compactor can be safely moved into the

Location Andrews St Site Date 9-19-19
 Project / Client Rocaty. 53345-17

excavation at 12' - likely
 not until 9-10' b.g. will
 compact in excavator bucket

8:30 Chris S on site

there is a well (injection well)
 that is blocking the path
 of the loader. Steve would
 have to go very close to
 the edge of the excavation
 (IW-7A) by MW-20

- TREC is going to cut it
 down. place mat on top
 then stone to protect it
 so they can drive over it.

collected GPS locations of
 users for ISCO hardware

9:00 Dennis Peck on-site

TREC backfilling excavation

Location Andrews St Site Date 9-19-19
 Project / Client Rocaty. 53345-17

Chris + Himm. began
 collecting elevations + GPS
 locations of for material
 < 1,000 ppm

Separated the south side
 of pile into 4 sections
 and collected base/middle/
 top elevations

Separated the < 1,000 ppm
 into 2 sections and
 collected base/middle/top
 elevations and GPS.

10:00 Dennis off-site

10:05 Chris off-site

TREC continued backfilling
 using loader and large
 excavator

11:20 ramp constructed

100

Location Andrews St Site Date 9-19-19
 Project / Client Rocity. 5334S-17

AZM continued off-site

11:25 compactor moved into excavation

11:40 AZM off-site

Compaction w roller done

TREC began extending
 1500 hardware users

12:12 AZM on-site

12:30 TREC marked out 8' bays
 line - began moving soil/
 reusable material into the
~~area~~ north area - plan
 to bring up to 8' bay using
 compactor on 1' lifts

Location Andrews St Site Date 9.19.19¹⁰¹
 Project / Client Rocity. 5334S-17

13:43

Chris S called w approx
 cont. soil ~~dist~~ volume
 $< 1,000 = 5646 \text{ ft}^3 = 209 \text{ cy.}$

$> 1,000 = 1097 \text{ ft}^3 = 40.6 \text{ cy}$

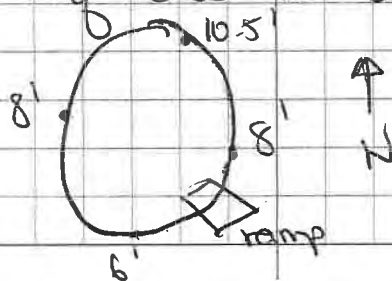
14:15 Dennis P on-site

opened up frac tank and
 collected sample with a 2"
 4.5" bailer. Very faint pink
 color.

14:45 compacting complete

CRMP stopped
 14:55 Dennis P off-site

AZM + HMM measured approx
 depth of excavation



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Location Andrews St Site Date 9/19/19
 Project / Client Rocaty 53345-17

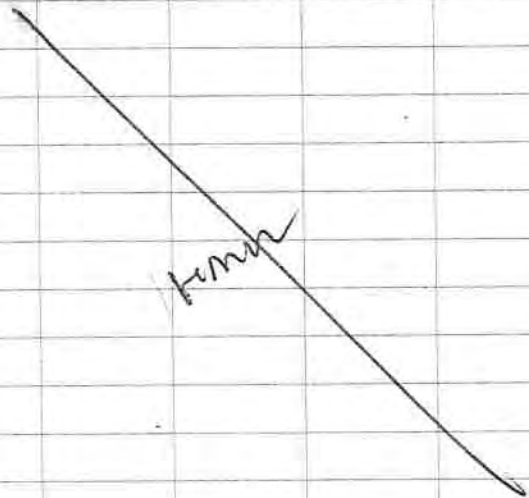
15:15 Steve Kieman on-site
 from Acme to fix low
 tire on loader

1520 AZM off-site

1525 Steve Kieman off-site

1530 TREC off-site

1535 Hmm off-site



Location Andrews St Site Date 9-20-19¹⁰³
 Project / Client Rocaty 53345-17

7:45: Hmm on-site
 TREC on-site (Steve + Kurt)

55°F, V. Slight cloud.

goal: continue backfilling
 including compaction
 testing

750 calibrated PID
 SN 592-918567 0.0 ppm / 100.1 ppm
 SN 110-015034 0.0 ppm / 100.0 ppm

8:00 Jeffrey (TREC) on-site

8:15 TREC began uncovering
 reusable material pile and
 shifting material
 CAMP started

8:22 TREC added extenders
 to some 1500 hardware

8:30 Kurt Rogers (Terracon)
 on-site

Location Andrews St Site Date 9-20-19
 Project / Client Routy. 53345-17

TREC stopped soil movement
 8:42 Kurt Rogers began
 compaction testing
 97.5% on the south.
 1 test / 10,000 sq. ft. req'd
 but Kurt B. (TREC) asked
 Terracon to check the
 middle-north. 96%

8:50 Terracon off-site

8:55 Dennis Peck ^{on} ~~off~~ ^{mm} site

TREC began back filling

9:46 Dennis P. off-site

Compaction started

10:00 Terracon on-site
 97% compaction

10:18 Steve S off-site

Location Andrews St. Site Date 9-20-19
 Project / Client Routy. 53345-17

11:00 Steve S. on-site

11:05 Dennis P. on-site

11:15 Terracon on-site
 97.9% compaction

11:25 Terracon off-site

12:00 Dennis off-site

12:10 CCD on-site

12:20 Dennis on-site

12:33 collected spl 987-WS-01
 from ~1" below liquid
 surface of frac tank
 v. faintly pink

12:36 collected spl 988-WS-02
 from ~1" above base of
 frac tank. v faintly pink
 slightly paler than 987

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Location Andrews St Site Date 9-20-19Project / Client Locity-53345-1712:50 HMM off-site to
Paradigm14:05 Terracon on site
96.2%

14:15 Terracon off-site

14:50 Stop working start cleaning

Location Andrews St. Site Date 9/23/2019¹⁰⁷Project / Client Locity-53345-170800 D Rade, Jeff Ignazak (TREA) + J Danzinger
on-site.weather: cloudy, 75-80°F, possible showers
objectives: continue backfilling with new and
previously-excavated CR-2

0810 Steve Strickman on-site.

- calibrate ^{PWD} mini PDE 2000 SN 110-001298

- calibrate PDR AN1000 Brown SN 7925

1057 - 5' x loader of imported CR-2
placed in excavation to face today

1102 - start vibratory rolling in excavation

1116 - stop " " " "

- JCB D30N Vibramax

1120 - Terracon on-site for compaction testing
of 11A of CR-2

→ 95.2% compacted

1150 Joe B (City) on-site 1300 - Joe off-site

1320 Nate S (DAY) on-site.

1345 Jeff D. (DAY) off-site

1350 Start vibratory Rolling Excavation

1400 Terracon on-site

1402 on-site Services on-site (d/clean parts)

1408 Stop rolling

14:09 Terracon off-site

on-site

Location Andrews St Site, Date 9/23/2019
 Project / Client Roady, 53345-17

Compaction test 95.4 %
 Terracon off-site @ 1415

1510 Begin Vibratory Rolling
 1520 Stop Vibratory Rolling
 15:33 Begin Vibratory Rolling
 15:45 Skyworks on-site
 16:00 Skyworks off-site
 1610 TREL (JRH I / Steve J) CH-11
 1620 JAD + NES CH-11

Location Andrews St Site, Date 9/24/19
 Project / Client Roady, 53345-17

0745 JAD on-site - MCI Disher truck #00221
 waiting outside gate. with load of CR-2
 JAD opens gate + MCI Disher dumps
 load.

0750 Steve Jahnke (TREL) on-site

0755 Jeff Iguaride (TREL) " "

0810 Terracon test on-site

0818 Compaction test is 96.9%

0820 calibrate miniRAE 3000 SN 592-918567

0821 " RTM AN1000 SN. 7925

0825 - Start backfill excavation under

0828 - Alex ZML (CH) on-site.

Prep to Sample Pile 1 (21,000 ppm PID)
at Pile 2 (1,100 ppm PID) 2' into pile

0905 - TREL starting to replace existing
 CR-2 cover system material into
 excavation

0950 Terracon compaction test 99.7 %

0950 Sample 990 - Pile 2 collected 2' into

From small pile (3 4oz jar) - vol/poru
 color
 PID on soil 400.6 ppm

HSPID = 35.5 ppm; second HSPID = 601 ppm

1010 Sample 989 - Pile 1 collected 3 4oz jar

PID on soil 6.6 ppm PIDHS = 2.4 ppm 2' into
 pile

110

Location Andrews St Site Date 9/24/19Project / Client Rocinto 5334P-17

Sample 0990 - pile - 2 (>1000 ppm PID pile) & Sample 0989 - Pile - 1 (<1000 ppm PID pile) will be tested at Paradigm for TCL VOCs + TCEs, TCLP VOCs & TCLP metals

1115 Compaction 98.2% testing, result by Terralon

1118 Vibracore excavation after adding a lift of existing CR2 cover material

1215 Vibracoring stopped

1220 Terralon on-site - compaction test = 98.4%

1330 Existing CR-2 cover material has been fully placed back in excavation

1345 Terralon on-site - compaction testing = 97.0%

1355 Go over Punchlist of remaining items with TREC + City

- Repair IW-19 stick up
- recycle metal + drums
- Repair IW-7A
- Button up / cover staging area
- Decan heavy equipment
- include power wash

Location Andrews St. Site Date 9/24/2019¹¹Project / Client 5334 S-17

- Frac tank status TBD

- KMnO₄ injection schedule TBD

1440 - Steve Strickman + Jeff Ignatuk from TREC off-site

1500 JSD off-site

Location Andrew St. Site. Date 9/25/19Project / Client Rocify. 53345-17

- 0750 JAD on-site
 weather: Sunny 70-80°F strong
 wind.
 Objectives: Button up staging area
 and contaminated soil piles;
 clean up site, repair fuel tank,
 decontaminate heavy equipment.
- 0800 Steve Steckmayer and Chris
 Steckmayer (TREC) on-site
- 0805 TREC starts decontamination of
 John Deere 260CLC excavator
 - remove dirt with shovels from
 tracks etc.
- 0840 Remove dirt with shovel from
 JCB 030N Vibromax roller
- 0900 Pressure washer pump fails - TREC
 off site to get a new one
 JAD labels ISCO injection hardware
 sizes within backfilled excavation.
- 0951 TREC (Steve S + Chris S) on-site
 - Forget spray nozzle for new
 pump set-up
- 0955 Chris S (TREC) off-site.
- ~~0955~~
 1005 D Peck (CH) on-site

Location Andrew St. Site. Date 9/25/19Project / Client Rocify. 53345-17

- 1040 Chris S back on-site.
- 1045 TREC resumes clean of JCB 030N
 Vibromax roller using potable water
 + sprayer
- 1050 Vibromax decontamination complete
- 1055 TREC decontaminates Volvo
 L110G loader - sprayer + water
- 1110 - TREC using sprayer + water
 to clean rubber road mats
- 1115 - Steve S (TREC) off-site.
- 1208 - Clean of mats stopped
- 1215-1225 lay reinforced 10-mil plastic
 sheeting over existing empty staging
 area that has layer of dirt/mud,
 and cover with rubber track mats
 and fire rings.
- 1248 - continue buttoning up staging area
 with staged soil, PVC, plastic liner
 etc.
- 1325 staging area properly covered +
 secured
- 1330 Steve S + Chris S (TREC)
 off-site
- 1355 JAD off-site after cleanup.

Location Andrews St Site Date 10/9/19
 Project / Client Rocky 53345-17

0700 JAD, Steve Stockmaster + Jeff
 Ignazak (TREC) on-site
 Objective - Soil load out
 weather 45-55°F mostly sunny

0705 D. Peck on-site 0-5 MPH wind

0715 First truck being loaded.

- Valley View VVOF

0720 TREC is pumping water off plastic ^{cars}
 + discharging to clean pad for
 temp storage

0800 4 trucks off site to fur

0820 measured water depth in first tank
 it is 54.5" deep from bottom =
 9518 gallons.

0835 D Peck off-site

0840 PID around contain pile being
 moved are 0.0 ppm to 0.3 ppm

AZ using MiniRAE 3000

1115 J. Danyang off-site.

0955 A. Zabel (DOR) on-site.

1400 D. Peck + J. Bismalillo on-site.

1430 A. Zabel off-site. 1445 JAD on-site

1500 D Peck + JAD off-site

1570 CCD off-site

1530 JAD, Steve S + JAH I (TREC) off-site

Location Andrews St Site Date 10/10/19
 Project / Client Rocky 53345-17

0715 JAD, Steve Stockmaster + Jeff Ignazak
 (TREC) on-site

weather: clear 35-65°F 0-5 mph wind
 objective: continue soil load out (3 trucks)

0720 - Calibrate Minirae < 3000

SN 592-918567; provide 10/1 punch ^{list to} TREC

0725 - Calibrate PDR-1000AH SN 7425 ^{store}

0730 - D. Peck on-site

0740 - D Peck off-site

0745 - Start CAROL - TREC readying
 soil pile for load out

0755 Start soil loading on 1st truck

1020 - JAH I says Jansack Truck OI
 Broken down. MJ Doctor to try +
 get replacement truck/driver on-site

1027 - Jansack OI - Back on-site!
 - must have been repaired.

1135 Email from Don Wolt (MDES) gives
 green light for water discharge to MH
 in Bristol St under permit. - passed
 info onto Steve Stockmaster.
 PROX gate to be locked while MH
 open.

1210 - Steve S off site to get permits
 for first truck discharge

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Location Andrews St Site Date 10/10/19
 Project / Client Rocity 53345-17

1303 most soil has been loaded out
 1343 Steve Stockmoter back on-site
 1430 Repair IW-7A → new 2" PVC
 stickup + coupling installed
 1500 TREC (Steve + Jeff I) off-site
 1515 JAD (DAY) off-site

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Location Andrews St Site Date 10/11/19
 Project / Client Rocity 53345-17

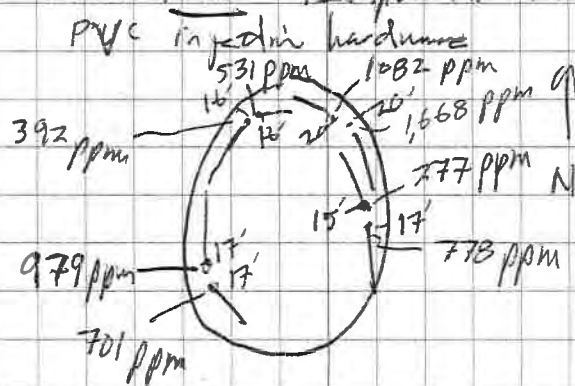
0715 JAD on-site
 0720 Jeff Ignaszak (TREC) on-site
 0730 Steve Stockmoter (TREC) and
 Chris Stockmoter (TREC) on-site
 weather: clear 40°F - 65°F 0-5 mph
 wind
 object: continue gently feed of
 water from face tank - It was left
 open over night - curved water level
 in tank is 3' 11" = 8,200⁺ gallons
 - clean down equipment
 - pump down pad
 - crush metal (empty drums) for scrapping
 0740 Start down of John Deere 200 CLC
 excavator - Knock off/raise tail
 using sledge hammer + shovel, followed
 by power wash
 0902 Trailer on excavator clam
 - new down truck on Roc Rests
 Tupper mini excavator + bucket
 using power wash
 Note: bucket on John Deere excavator
 left contaminated for now since down
 pad still needs to be loaded out.

Location Andrew St. Site Date 10/11/14
 Project / Client Roady. 53345-17

- 0905 D. Peck arrives
 Dean continuing - pressure washing
 truck mats
- 0935 TREC pumping water out of Dean pad
 gallon
- 0945 All monitoring wells + injection wells
 on-site are accounted for - only one
 has damaged - leaking out of plumb, but
 in fact
- using pump, filling drums on trailer to
 take to discharge location Bristol St.
- Note: Jeff Ignastala says meter 7 was
 out of plumb prior to removal project
 - was already leaking - 15 inches
 down all wells ok
- 1041 Joe B (City) on-site
 - show Joe the site work being done
 go over punch list items
- 1100 Joe B (City) off-site
 Note: Steve Starkweather on/off site on
 intermittent basis for supplies, etc.
- 1105 Pumping water from Dean pad
 Stopped → ~50 gallons of water was
 removed from pad + will be discharge
 to Bristol St sewer under permit.

Location Andrew St. Site Date 10/11/2014
 Project / Client Roady. 53345-17

- 1110 - Dean pad water in drum on trailer
 is discharged to Bristol St sewer under
 permit.
- 1112 - TREC preparing to load out
 Dean pad
 - Job by CAMP + start CAMP
- 1125 - discharge of Dean pad water to
 sewer is complete
- 1130 Truck CC32 Lighthouse (LHL (Car))
 on-site to load out Dean Pad.
- 1135 TREC crushing empty drums + loading
 out scrap metal on trailer.
- 1221 Steve Starkweather and Chris Starkweather
 off-site for metal recycling, etc.
- 1255 Water level in Fuel tank 33" = 5,468 gallons
- 1305 Check PIDs on headspace air inside
 PVC injection hardware



Location Andrews St. Site Date 10/11/19
 Project / Client Rocity, 53345-17

- 1330 Steve Stokumster (TREC) w/ Chris
 Stokumster (TREC) back on-site
- 1331 Last truck loading of dcau part
 complete
- 1335 dcau loader bucket inside
 C432 truck bed to go off in
 last load.
- 1342 Dem of excavator bucket complete,
 truck C432 off-site.
- 1407 Jeff Ignaszak (TREC) off-site
- 1410 Steve Stokumster (TREC) w/ Chris
 Stokumster (TREC) off-site
- 1420 JAD (D45) off-site

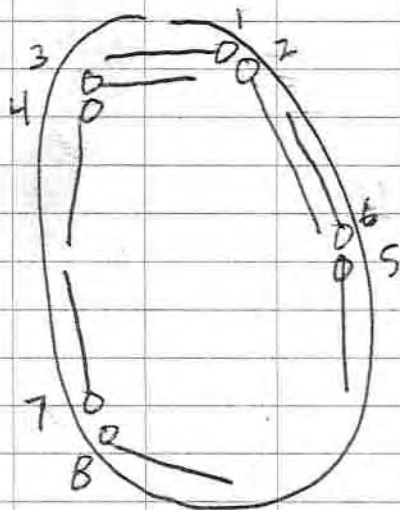
Location Andrews St. Site Date 10/17/19
 Project / Client Rocity, 53345-17

- 845 JAD + C432 on-site
 weather 45-50 5-20 mph wind rain
 objective: drill/install new-17A
- 9:00 Mothnagle on site (Kevin Busch
 and Jeremiah L)
- 9:30 Start drill the well
- 10:00 They reach 25 feet depth
- 10:30 Start to install the well
 15' of screen and 10 feet solid
 Filled the well with sand
 and bentonite according with
 the work plan (work order)
- 11:35 Finish pulling the core drill
 Start filling with grout
- 13:00 Sign out
- 13:10 C432 off site

Location Andrews St Site Date 10/17/19Project / Client Resub. 53345-17

1415 JAD on-site

Objective PIDs + Swls from ISCO 1 thru
ISCO 8 immediately + a little while
later



Note: Solvent odor (smells like PVC
glue) noted inside ISCO hardware
Notes: PID readings may be
attributable to the glue, not
PCE/TCE.

Location Andrews St. Site Date 10/17/19Project / Client Resub. 53345-17

	1430-1442 Initial PID time	1520-1527 Subsequent PID time	1444-1447 SwL (56.365)
ISCO 1	909.6 ppm	9.2 ppm	11.4'
2	208.4 ppm	9.1 ppm	11.2'
3	221.1 ppm	2.2 ppm	11.2'
4	300.5 ppm	1.3 ppm	11.2'
5	368.6 ppm	9.7 ppm	10.4'
6	5.8 ppm	0.0 ppm	10.4'
7	596.9 ppm	20.2 ppm	11.3'
8	386.8 ppm	1.7 ppm	11.0'

1530 JAD off-site

Location Andrews site Date 10/18/19
 Project / Client 53345-17

0750 JRD on-site
 weather: mostly cloudy 45-55% S10WMPH
 wind from west
 objectives: KMnO₄ injection in GPS
 MW-17A, development of MW-17A
 monitoring select wells for color during
 KMnO₄ injection.

0755 - MW-17A GPS measurement

0800 Jim Agis + Eric Hannon on-site
 from TRAC.

0800 Denis Peck on-site - ^{has} ~~has~~ machine

0800 Chris Stachurski (TRAC) on-site

0830 Steve Stachurski (TRAC) on-site
 only Chris Stachurski + Eric Hannon
 doing site work.

0845 Start to start mixing KMnO₄
 1 bucket mixer 2.75 50 gallon batches

0900 mix 1st 50 gallon batch.

0915 water from clear barrels drain MW-3A,
 MW-02, MW-05, MW-12 + MW-17A
 in clear prior to injecting

0920 start injecting into ISCO 5
 → Steve S + Jim A (TRAC) on-site

Location Andrews A site Date 10/18/19
 Project / Client Realty 53345-17

Planned Injection in tracking table
 gallons of potassium solution

110 ISCO 1 55+55

110 ISCO 2 55+55

110 ISCO 3 55+55

110 ISCO 4 55+55

110 ISCO 5 50+60

110 ISCO 6 55

110 ISCO 7 55+55

110 ISCO 8 55+55

← Ran out of time, had to
 clean up

15 MW-1 15

5 IW-1 5

5 IW-2 5

5 IW-3 5

5 IW-4 5

15 MW-3A 15

5 IW-17 5

5 IW-18 5

5 IW-19 5

5 IW-20 5

Location Andrews St. Site Date 10/18/19
 Project / Client Roady. 53345-17

- 0930 SWL @ MW-17A = 10.96' Below top of PVC casing
 - prepare for well development
- 0935 Mixing 2nd 55 gallon batch of KMnO4 solution - actually mixed 60 gallons
- 0938 Start injecting 2nd batch into ISCO5
- 1000 ISCO 5 got 110 gallons
- 1004 mix 3rd batch + still 15 gal @ ISCO4 (55 gallons)
- 1030 3rd Batch injection @ ISCO4 complete
- 1032 mix 4th 55 gal batch
- 1038 start injecting 4th batch into ISCO4
- 1056 4th batch injection @ ISCO4 complete
- 1057 mix 5th batch to inject @ ISCO2
- 1115 5th Batch injection @ ISCO2 complete
- 1117 mix 6th batch
- 1122 start injecting 6th batch @ ISCOB
- 1125 well development @ MW-17A complete
 - 35 gallons total H₂O purged
 and placed in Fran tank for discharge to sewer
 - No pink water noted on MW-17A
 purge water white TRC was simultaneously injecting KMnO4 solution

Location Andrews St. Site Date 10/18/19
 Project / Client Roady. 53345-17

- 1138 6th Batch injection @ ISCOB complete
- 1146 mix 7th Batch for ISCO-2
- 1145 start injecting 7th batch @ ISCO-2
- 1201 7th batch injection @ ISCO-2 complete
- 1202 mix 8th batch KMnO4 for ISCO-2
- 1207 start injecting 8th batch @ ISCO-2
- 1218 water in barrels from MW-02, MW-15, MW-5 MW-30 + MW-17A show no signs of pink or purple KMnO4 - just clear to cloudy in appearance
- 1222 Batch 8 injection @ ISCO-2 complete
- 1225 mix batch 9 for ISCO-7
- 1229 start injecting Batch 9 @ ISCO-7
- 1240 Batch 9 injection @ ISCO-7 complete
- 1242 mix Batch 10 for ISCO-7
- 1247 start injecting Batch 10 at ISCO ~~7~~
- 1300 Batch 10 injection @ ISCO-7 complete
- 1302 mix batch 11 for ISCO-3
- 1305 start injecting @ ISCO-3 Batch 11
- 1320 11th Batch injection @ ISCO-3 complete
- 1321 mix Batch 12 for ISCO-3
- 1326 start injecting Batch 12 @ ISCO-3
- 1339 12th Batch injection complete @ ISCO-3
- 1340 mix Batch 13 for ISCO-1

Location Andrew St Site Date 10/16/19Project / Client Roads 53345-17

- 1345 Start injecting Batch 13 @ ISLO-1
- 1346 Reinject KMnO₄ @ ISLO-1 - stop pump + ground level only
- 1353 Start pump 1/2 open + continue ISLO-1
- 1420 13th Batch injection @ ISLO-1 complete
- 1422 Mix 35 gal Batch 14 for injection at MW-01, In-1, In-04, In-05 + In-09
- 1425 Inject 15 gal @ MW-01, 5 gal each at In-1, In-4A, In-B + In-9
- 1430 Mix Batch 15 (35 gal) for ISLO-1
- 1435 Start injecting batch 15 @ ISLO-1
- 1306 Batch 15 injection at ISLO-1 complete
- 1310 Mix Batch 16 (35 gal) for use @ MW-3A, In-17, In-18, In-19 + In-20
- 1320 Inject Batch 16 (35 gal): 15 gal @ MW-3A, 5 gal each @ In-17, In-18, In-19 + In-20
- 1330 Mix 17th Batch for injection at ISLO-6
- 1350 Cleanup → 17th Batch @ ISLO-6 complete
- out of time - finish next Tuesday
- 1400 Eric + Chris (TREC) off-site
- 1405 MW-02, MW-05, MW-17 + MW-18 show no sign of pink or purple KMnO₄ when bucket sample collected.

Location Andrew St. Site Date 10/22/19Project / Client Roads 53345-17

- 0757 JAD on-site JCF Ignaszak (TREC) on-site; Christopher Stokemaster (TREC) on-site
- 0800 MW Drive Truck # MJD 21 on-site + drops off load of CR-2 (21 tons)
- 0802 Truck MJD 21 off-site
- 0803 MW Drive Truck # MJD-17 on-site + drops off load of ER2 (22 tons)
- 0805 MJD-17 truck off-site
objectives: clean fuel tank
site grading
possibly finish KMnO₄ injection work
- weather 50-60°F light rain, overcast
Jed Steer from ROCKENT on-site
- 0807: Eric Hamman (TREC) on-site.
- 0815 Start cleaning fuel tank
- 0840 Chris off-site for trucks
- 0852 Steve Stokemaster (TREC) on-site
at fueler
- 0858 - D Park on-site Provider input on site grading
- 0859 Steve Stokemaster off-site
- 0905 D. Park off-site and TREC starts grading CR2

130

Location Andrew St Site Date 10/22/19
Project / Client Rochy. 53345-17

- 0910 water in bucket water from mnu-02,
mnu-18 or mnu-05, clear
- 0936 Chris Stackmaster (TREC) back on-site
with flat bed trailer.
- 0946 Eric and Chris loading up truck with
(cont. Fencing), cones etc. on flat bed.
- 1035 Untel on-site to pick up portable
toilet
- 1044 Untel off-site with portable toilet.
- 1055 D. Park on-site, TREC exiting from truck
to clean
- 1110 D. Park off-site
- 1115 From truck cleaning under way - TREC
in Level CPPC - air quality checked ^{for}
_{air}
- 1125 TREC also resuming site grading ^{or}
on site _{as}
_{usual}
_{space}
- 1139 PODS driver on-site (Bill)
- 1149 PODS driver off-site with POD.
- 1230 From truck cleaning complete. Place
specy bag + sediments in TREC
put 364 peristaltic Dump trailer mixed
is with soil cutting from mnu-17A
- 1315 JFI, Chris J + Eric H from TREC
off-site Eric to return to take
TREC Dump Trailer to High Acres.
JAD stays on-site + clean up

131

Location Andrew St. Site Date 10/22/19
Project / Client Rochy. 53345-17

- 1315 Eric H. (TREC) back on-site +
itches up Dump trailer to TREC truck
- 1410 Eric off-site to High Acres Landfill
- 1420 JAD (DAD) off-site

Location Andrew St Site Date 10/25/19
 Project / Client Recity 53345-17

1625 JAD (DPT) and Jim Ayers (TRCC) and
 Eric Hammon (TRCC) on-site.
 weather: cloudy 45-55°F 0-TWPH wind
 from East → west

Objective: finally perform maintenance on
 work at ISLO hardware locations
 - Focus on ISLO-6 which did
 not receive planned amount on 10/18
 need to get at least 55 more gallons
 of KMnO₄ solution into ISLO-6
 Jim + Eric wear level C with
 Tyvek, hood, respirator gloves & respirator
 when working w/ dry KMnO₄

1650 Start injecting 55 gallon batch #13 @
 ISLO-6

1110 30 gallon payload @ ISLO-6 +
 day lighting occurring

1111 more + inject @ ISLO-5

1116 25 Gal inject @ ISLO-5

1120 Clean up neutralize equipment +
 containers / mixing drum
 5-gal Sodium Thiosulfate left
 in drum on-site.

1145 Jim + Eric from TRCC off-site

1150 JAD off-site + jobs collected

Location Andrew St Date 12/6/19
 Project / Client Recity 53345-17

905AM - JAD + CLD on-site.

weather: snowing + 31°F 0-5MPH wind
 Objective: SWLS @ all wells; deploy
 PDBs at jacked wells

1100 develop MW-1 and MW-3A prior to
 deploying PDBs - placed in ISLO-8
 ISLO-8

1138 - deploy PDBs @ MW-01, MW-02,
 MW-03A, MW-05, MW-11, MW-15
 - run out of proper size PDBs - wait
 for shipments

1200 - leave site, CLD only

1350 - back on-site - deploy PDBs
 @ MW-16, MW-17A, MW-18 + MW-19

1410 - CLD off-site.

134

Location Andrew St. Site Date 12/20/2019Project / Client Rochy 53345-17

1310 JAD + CCJ on-site

Weather: 25°F ± 0-10 mph wind. Partly sunny
objectives. Relative PDB5 + PDB55

GR sampler.

1345 Alex 2 on site (city) on-site

1440 Alex + JAD on-site

135







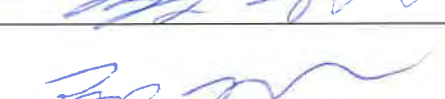
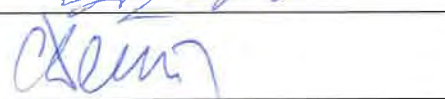

Location _____ Date _____

Project / Client _____

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet






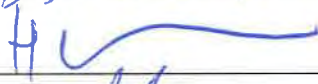

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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jeffrey S. Danyszyn	TRC ENV.	9/3/19	730	1100	
Jim Agan	TRC Env	9/3/19	730	1100	
Steve Starkman	TRCC	9/3/19	730	1100	
Steve Starkman	TRC	9/4/19	800	330	
Jeffrey S. Danyszyn	TRC ENV.	9/4/19	800	330	
Jim Agan	TRC Env.	9/4/19	800	330	
Jeff Danzinger	DAY	9/3/19	0900 852	1115 1045	
Jeff Danzinger	DAY	9/4/19	0800	1510	
Col Dennis	Day	9/4/19	8:00	15:30	

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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jeff Danzmyr	DAY	9-5-19	8:00	15:10	
Colt Demin	DAY	9-5-19	8:00	16:00	
Jim Agan	TREC Env	9-5-19	8:00	4:00	
Steve Stockmarte	TRCC	9-5-19	8:00 AM	4:00	
Jeffrey S. Iwarszal	TRC	9-5-19	8:30	4:00	
Darryl C Johnson	Hous Glass	9-5-19	9:35	4:00	Darryl Johnson
Dennis Peck	City	9/5/19	10:00	10:25	Dennis Peck
Heather McLennan	DAY	9-5-19	10:00	13:50	
Steve Kirkman	Acme Mobile	9-5-19	12:20	13:05	

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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jim Aps	TREC Env.	9-6-19	800	1200	
Steve Stockmayer	TREC	9-6-19	8 ⁰⁰	1200	
Jeff Danziger	DAY	9-6-19	800	9:00	
Cotelin Demion	DAY	9.6.19	800	12:00	
JEREMY S. DWASZAK	TREC	9-6-19	800	1200	
Dennis Peck	City	9/6/19	1040	1055	Dennis Peck

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Colleen Dennis	DAY	9/9/19	8:00	16:00	<i>Colleen Dennis</i>
DENNIS Peck	city	9/9/19	755	1500	<i>Dennis Peck</i>
Jane Stockmarter	TREC	9/9/19	800	400-	<i>Jane Stockmarter</i>
Jack Durzinger	DAY	9/9/19	8:00	4:00	<i>Jack Durzinger</i>
Jeffrey S. Dawson	TREC	9/9/19	800	400	<i>Jeffrey S. Dawson</i>
Kurt C. Ballerstein	TREC	9/9/19	11:00	400	<i>Kurt C. Ballerstein</i>
Nate Simon	DAY	9/9/19	11:30	12:20	<i>Nate Simon</i>
Alexandra Zobel Martino	City	9/9/19	12 ⁰³	12 ¹⁴	<i>A.Z. Martino</i>

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet




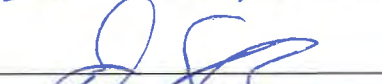



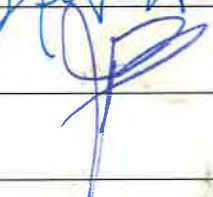
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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Cotolin Demion	Day E	9.10.	8:00	16:00	<i>[Signature]</i>
Kurt BAUERSTEIN	TREC	9/10	8:00	4:00	<i>[Signature]</i>
Steve Stockmaster	TREC	2/10	8:00	4:00	<i>[Signature]</i>
Jeff D'Alagni	DPT	9/10/19	8:00	4:00 4:30	<i>[Signature]</i>
JEFFREY S. DUNASZAK	TRE ENV.	9/10/19	8:25	4:00	<i>[Signature]</i>
Dennis Feck	City	9/10/19	9:05	4:00	<i>[Signature]</i>
Joe Biandolillo	City	9/10/19	3:15	4:00	<i>[Signature]</i>

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

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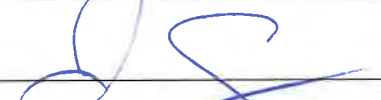


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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jeff Danzinger	DAT	9/11	800	400	
Rene Stockmayer	TRCC	9/11	800	400	
Dennis Peck	City	9/11	800	400	
Jim Agar	TRCC	9/11	800	400	
Kurt Balkerstein	TRCC	9/11	800	400	
Alexandra Z. Martino	City	9/11	8 ³⁰	15 ⁴⁰	
Nick Haraway	DAT ENR	09/11/2019	1500	1600	
Joseph Biandolillo	COR	9-11-19	3	1600	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

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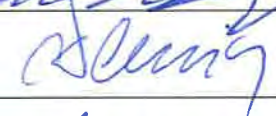
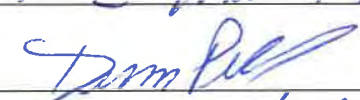
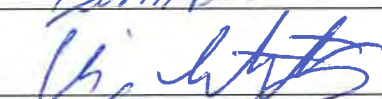
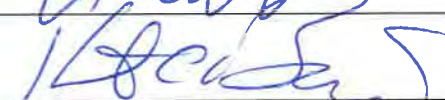
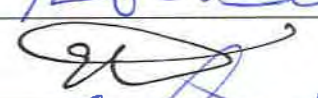
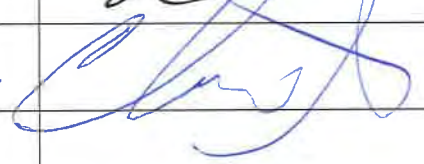
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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Steve Spackmeyer	TREC	9/12/19	8:00		
Jeff Danziger	DAY	9/12/19	8:00		
Kurt Ballerstein	TREC	9/12/19	8:00		
Jim Ager	TREC	9-12-19	8:00		
Alexandra Z. Martins	City	9/12/19	8:00	15:30	
Dennis Peck	City	9/12/19	8:00		

**Andrews Street Site, Rochester, New York
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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Steve Stockmaster	TREC	9/13/19	8 ⁰⁰		
Cot Demion	Day E	9/13/19	8 ⁰⁰	16:00	
Alexandra Z Martins	COR	9/13/19	8 ⁰⁰	15	A. Z. Martins
Dennis Peck	CITY	9/13/19	8 ⁰⁰		
Chris Stockmaster	TREC	9/13/19	8 ⁰⁰		
Kurt Ballerstein	TREC	9/13/19	8 ⁰⁰		
Elizabeth High	NYSDEC	9/13	2:15p	3:55p	
CHRIS SMOLT	DAY	9/13	15:15	15:54	

**Andrews Street Site, Rochester, New York
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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jeffery S. [Signature]	TRC	9/16/19	0800	930	[Signature]
Heather McLennan	DAY	9/16/19	7:45		H M
Steve Steckmiller	TRC	9/16/19	800	1550	[Signature]
Alexandra Z. Martino	COR	9/16/19	8 ⁰⁰	15 ⁴⁵	A.Z. Martino
Dennis Peck	COR	9/16/19	750 750	1345	Dennis Peck
Kurt Ballerstein	TRC	9/16/19	800	1550	[Signature]
Joe Benabelli	COR	9/16/19	3:00	3:25	[Signature]

**Andrews Street Site, Rochester, New York
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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Heather McLennan	DAY	9/17/19	7:45	1530	Hm
Alexandra Z. Martino	COR	9/17/19	8:00	1500	A.Z. Martino
Steven Stockmaster	TREC	9/17/19	8:00	1530	
Kurt Balkerstein	TREC	9/17/19	8:00	1530	KAC
Dennis Peck	COR	9/17/19	9:20	15:05	Dennis Peck
Nate Simon	DAY	9/17/19	2:00	1525	Nate Simon
Cot Demia	DAY	9/17/19	14:45	14:50	Demia
Dennis Peck	COR	9/17/19	14:30	1525	Dennis Peck
Joe Boudreau	COR	9/17/19	14:30	1525	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet





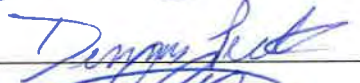

Being on this Site during various work activities presents the potential for exposure to hazardous materials/wastes. By signing below you are acknowledging that, prior to engaging in any on-site work activity in the Exclusion Zone or Contaminant Reduction Zone, you have read and understand the site-specific Health and Safety Plan (HASP), dated February 2019, and have successfully completed initial, and subsequent refresher HAZWOPER training, and are in full compliance with the provisions listed in 40 CFR 1910.120.

Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Heather McLennan	DAY	9-18-19	745	1540	H m
Steve Stockimpton	TREC	9-18-19	800	330	Steve Stockimpton
Kurt BALKERSTEIN	TREC	9/18	800	330	Kurt BALKERSTEIN
Alexandra Z. Martino	COR	9/18	8 ⁰⁰	9:25 10:20 ^{12:17}	A.Z. Martino
DENNIS PECK	COR	9/18	930	940	Dennis Peck
	COR	9/18	14 ¹⁵	1535	A.Z. Martino
Joe Blondolito	COR	9/18	1450	1525	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet




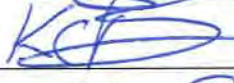



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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Heather McLennan	DAI	9-19-19	7:45	1535	
Kurt Ballerstein	TREC	9/19/19	800	1530	
Steve Stockmaster	TREC	9/19/19	745	1530	
Alexandra Z. Martins	COR	9/19/19	8 ⁰⁰	1525	A.Z. Martins
CHRIS SMETT	DAI	9/19/19	8:30	10:05	
Dennis Peck	COR	9/19/19	9 ⁰⁰ 1415	10:00 1415	
Steve Kieran	ACME	9-19-19	3:15		

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet








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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Heather McLennan	DAY	9-20-19	7:45	12:50	
Steve Stockman	TREC	9/20/19	7:45	3:00	
Jerry S. BALSZAK	TREC	9/20/19	8:00	3:00	
Kurt BAUERSTEIN	TREC	9/20/19	8:00	3:00	
Kurt Rogers	Terracon	9/20/19	8:30		
Denny Deek	COR	9/20/19	8:55		
Cotelin Demion	Day	9/20/19	12:10	15:20	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet




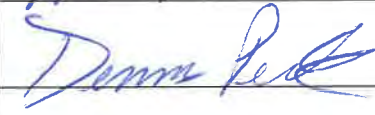
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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Steve Hadkanton	TRC	9/23/19	8:10	4:00	
Jeffrey S. Danzinger	TRC	9/23/19	8:00	4:00	
Jeff Danzinger	DAY	9/23/19	8:00	14:20	
Tennis Peck	COR	9/23/19	8:00	13:30	
Joe Brindillo	COR	9/23/19	11:50	13:00	
Nate Simon	DAY	9/23/19	13:20	14:20	
Parker Brunner	Hill Country	9/23/19	8:01 Am	4:00	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet

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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Steve Stockmaster	TREC	9/24/19	750	239	
Jeffrey S. Donazim	TREC	9/24/19	755	239	
Jeff Donazim	DAT	9/24/19	7:45	1500	
A. E. Alexandra Z. Martino	COR	9/24/19	8 ¹⁵	1000	A. E. Martino
Dennis Peck	COR	9/24/19	900	200	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet







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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jeff Danzinger	DAY	9/25/19	0750	130	<i>[Signature]</i>
Steve Stockmaster	TREC	9/25/19	0800	130	<i>[Signature]</i>
Chris Stockmaster	TREC	9/25/19	800	130	<i>[Signature]</i>
Dennis Peck	COR	9/25/19	1005	1200	<i>[Signature]</i>

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet



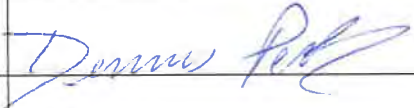
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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jeff Danziger	DAY	10/9/19	700	1530	
Stam Stankovska	TRC	10/9	700	1530	
Dennis Peck	city	10/9	705	1500	
Cost Denna	Day	10/9/19	7:20	15:10	
Jeffrey S. Dzik	TRC	10/9/19	700	1530	
Alexandra Zobel	COR	10/9/19	951	1430	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet






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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Steve Stockman	TREC	10/10/19	7:30	3:00	
Jeffrey S. Denton	TREC	10/10/19	7:30	3:00	
Jeff Denton	DAY	10/10/19	7:15	3:15	
Dennis Peck	City	10/10/19	7:30	2:00	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet

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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
JCH Danzinger	DAE	10/11/19	715	2:20	
Jerry S. Ignaszak	TRZ	10/11/19	720	2:00	
Steve Stockmaster	TREC	10/11/19	730	2:10	
Chris Stockmaster	TREC	10/11/19	730	2:10	
Dennis Peck	City	10/11/19	9:10	2:07	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet



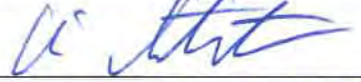
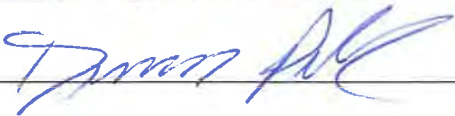
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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Kevin S Busch	Nathnagle Drilling	10/17/19	0900	1300	<i>Kevin S Busch</i>
Cot Demion	Day	10/17/19	9:00	1300	<i>Cot Demion</i>
Jeremiah Leathersch	Nathnagle Drilling	10-17	9:00	1300	<i>Jeremiah Leathersch</i>
Jeff Demzige	Day	10/17/19	900	920	<i>Jeff Demzige</i>

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet






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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jeff Danzinger	DAY	10/18/19	0750	1600	
Eric Hamman	Tree	10-18-19	800	1600	
Chris Stockmaster	TREC	10/18/19	800	1600	
DENNIS PECK	CITY	10/18/19	805	915	

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NYSDEC ERP Site #E828144**

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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jeff Dinzinger	DAK	10/22/19	0800		
Jeffrey S. DANKSZKI	TREC	10/22/19	0800	1315	
Chris Stockmaster	TREC	10/22/19	0800	1315	
Eric Hammon	Trec	10-22-19	0800	1410	
Dennis Peck	City	10/22/19	845	1345	

**Andrews Street Site, Rochester, New York
NYSDEC ERP Site #E828144**

Site Sign-In/Sign-Out Sheet

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Name	Organization Represented	Date	Time On-Site	Time Off-Site	Signature
Jeff Danzinger	DAY	10/25/19	10:25	1150	
Jim Ager	TREC	10/25/19	1025	1145	
Eric Hamman	TREC	10/25/19	1025	1145	



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

TRUCK TRACKING REPORT SHEET

DATE: 9/4/2019

PAGE: 1 OF 1

JOB #: 5334S-17

PROJECT: Supplemental Polishing Phase Remedial Actions

SITE: Andrews St Site, Rochester, New York (E828144)

BY: J. Da-Longis

ON-SITE: 800 OFF-SITE: _____

PERSONNEL ON-SITE: TREC, DAY

APPROVED MATERIALS: PS = Pea Stone ; #2 = #2 Crushed Stone (Dolomite) ; CR2 , CR1

Truck No.	Truck Co.	Time On-Site	Time On-Site	Driver Signature	Material Imported Onto Site			Material Taken Off-Site		
					Type	Source	Amount (Tons)	Type	Amount (Tons)	Disposal Location
LLB	LHL ^{Const}	8:29	8:30	Sub'd by MS Dreyer	CR2	Brookport	20 ⁺			
LLB	LHL	9:38	9:41	Sub'd by MS Dreyer	CR2	"	20 ⁺			
LL8	LHL	10:45	10:48	Sub'd by MJ Dreyer	CR2	Brookport	20 ⁺			
LL8	LHL	11:59	12:03	Sub'd by MJ Dreyer	CR2	Brookport	20 ⁺			
LL8	LHL	13:08	13:11	Sub'd by MJ Dreyer	CR2	Brookport	20 ⁺			
LL8	LHL	14:05	14:09	Sub'd by MJ Dreyer	CR2	Brookport	20 ⁺			



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

TRUCK TRACKING REPORT SHEET

DATE: 9/23/2019

PAGE: 1 OF 1

JOB #: 5334S-17

PROJECT: Supplemental Polishing Phase Remedial Actions

SITE: Andrews St Site, Rochester, New York (E828144)

BY: J. Danzinger

ON-SITE: 800 OFF-SITE: _____

PERSONNEL ON-SITE: TREC, DAY, Lib

APPROVED MATERIALS: PS = Pea Stone ; #2 = #2 Crushed Stone (Dolomite)

Truck No.	Truck Co.	Time On-Site	Time On-Site Off	Driver Signature	Material Imported Onto Site			Material Taken Off-Site		
					Type	Source	Amount (Tons)	Type	Amount (Tons)	Disposal Location
1421119	Espania	-	-	← Jeff Ignarek confirmed this load	CR-2	Brockport	20 ⁺			
ACT-85	All County	758	803		CR-2	"	20 ⁺			
1421139	Espania	912	915		CR-2	"	20 20 ⁺			
ACT-85	All County	915	918		CR-2	"	20 ⁺			
1421139	Espania	1017	1020		CR-2	"	20 ⁺			
ACT-85	All County	1045	1051		CR-2	"	20 ⁺			
1421139	Espania	1127	1132		CR-2	"	20 ⁺			
ACT-85	All County	1151	1155		CR-2	"	20 ⁺			
1421139	Espania	1230	1234		CR-2	"	20 ⁺			
ACT-85	All County	1309	1312		CR-2	"	20 ⁺			
1421139	Espania	1334	1337		CR-2	"	20 ⁺			
ACT-85	All County	1410	1412		CR-2	"	20 ⁺			
1421139	Espania	1438	1442		CR-2	"	20 ⁺			
ACT-85	All County	1523	1528		CR-2	"	20 ⁺			
1421139	Espania	15:46	15:50		CR-2	"	20 ⁺			

SE 1/4 roads
white truck 2



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

TRUCK TRACKING REPORT SHEET

DATE: 9/24/2019

PAGE: 1 OF 1

JOB #: 5334S-17

PROJECT: Supplemental Polishing Phase Remedial Actions

SITE: Andrews St Site, Rochester, New York (E828144)

BY: J.D

ON-SITE: 6:745 OFF-SITE: _____

PERSONNEL ON-SITE: TREC, DAY, City

APPROVED MATERIALS: PS = Pea Stone ; #2 = #2 Crushed Stone (Dolomite)

Truck No.	Truck Co.	Time On-Site	Time On-Site	Driver Signature	Material Imported Onto Site			Material Taken Off-Site		
					Type	Source	Amount (Tons)	Type	Amount (Tons)	Disposal Location
MSD21	MJ Dreher	0746	0749		CR-2	Brockport	20 +			
MSD21	MJ Dreher	0849	0850		CR-2	Brockport	20 +			
MSD21	MJ Dreher	0941	0944		CR-2	Brockport	20 +			



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

TRUCK TRACKING REPORT SHEET

DATE: 10/9/2019

PAGE: 1 OF 2

JOB #: 5334S-17

PROJECT: Supplemental Polishing Phase Remedial Actions

SITE: Andrews St Site, Rochester, New York (E828144)

BY: J. Danzinger

ON-SITE: 0700 OFF-SITE: _____

PERSONNEL ON-SITE: TREC, DAY, City

APPROVED MATERIALS: PS = Pea Stone ; #2 = #2 Crushed Stone (Dolomite)

Truck No.	Truck Co.	Time On-Site	Time Off-Site	Driver Signature	Material Imported Onto Site			Material Taken Off-Site		
					Type	Source	Amount (Tons)	Type	Amount (Tons)	Disposal Location
VV07	ValleyView	0715	0727	<i>[Signature]</i>				Non-Haz	est. 20	High Acres
MJD-17	MJD	0727	0736	<i>[Signature]</i>				Non-Haz	est. 20	High Acres
01	Jamroc	0738	0746	<i>[Signature]</i>				Non-Haz	est 20	High Acres
CC32	Light Haze Light Haze	0747	0800	<i>[Signature]</i>				Non-Haz	est 20	High Acres
VV07	Valley View	0855	0907	<i>[Signature]</i>				Non-Haz	est 20	High Acres
MJD-17	MJD	0909	0917	<i>[Signature]</i>				Non-Haz	est 20	High Acres
01	Jamroc	0918	0925	<i>[Signature]</i>				Non-Haz	est 20	High Acres
CC32	Light Haze Light Haze	0931	0938	<i>[Signature]</i>				Non-Haz	est 20	High Acres
VV07	ValleyView	1025	1030 1030	<i>[Signature]</i>				Non-Haz	est 20	High Acres
01	Jam Roc	1113	1121	<i>[Signature]</i>				Non-Haz	est 20	High Acres
CC32	Light Haze	1122	1130	<i>[Signature]</i>				Non-Haz	est 20	High Acres
MJD-17	MJD	1130	1138	<i>[Signature]</i>				Non-Haz	est 20	High Acres
VV07	Valley View	1212	1220	<i>[Signature]</i>				Non-Haz	est 20	High Acres
CC32	Light Haze	1253	1301	<i>[Signature]</i>				Non-Haz	est 20	High Acres



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

TRUCK TRACKING REPORT SHEET

DATE: 10/10/2019

PAGE: 1 OF 1

JOB #: 5334S-17

PROJECT: Supplemental Polishing Phase Remedial Actions

SITE: Andrews St Site, Rochester, New York (E828144)

BY: J. Danzinger

ON-SITE: 0715 OFF-SITE: _____

PERSONNEL ON-SITE: DAY, TREC

APPROVED MATERIALS: PS = Pea Stone ; #2 = #2 Crushed Stone (Dolomite)

Truck No.	Truck Co.	Time On-Site	Time Off-Site	Driver Signature	Material Imported Onto Site			Material Taken Off-Site		
					Type	Source	Amount (Tons)	Type	Amount (Tons)	Disposal Location
CC32	Lighthouse	0753	0803	<i>Don</i>				Non-Haz	est 20	High Acres
01	Jamrock	0804	0813	<i>Delaney</i>				Non-Haz	est 20	High Acres
LLB	LHL Const	0825	0834	<i>Don</i>				Non-Haz	est 20	High Acres
CC32	Lighthouse	0927	0939	<i>Don</i>				Non-Haz	est 20	High Acres
LLB	LHL Const	1004	1013	<i>Don</i>				Non-Haz	est 20	High Acres
01	Jamrock	1027	1039	<i>Don</i>				Non-Haz	est 20	High Acres
CC32	Lighthouse	1102	1109	<i>Don</i>				Non-Haz	est 20	High Acres
LLB	LHL Const	1133	1144	<i>Don</i>				Non-Haz	est 20	High Acres
01	Jamrock	1155	1204	<i>Don</i>				Non-Haz	est 20	High Acres
CC32	Lighthouse	1249	1307	<i>Don</i>				Non-Haz	est 20	High Acres
LLB	LHL Const	1305	1312	<i>Co 11</i>				Non-Haz	est 20	High Acres
								Non-Haz	est 20	High Acres

APPENDIX I
Analytical Laboratory Reports
(Refer to CD)

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : ANDREW ST. RI

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

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

**ORDER ID : K4888
ATTENTION : Jeff Danzinger**



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2) Signature Page	4	2
3) Case Narrative	5	3
4) Qualifier Page	7	4
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7) Chronicle	11	7
8) Hit Summary	12	8
9) QC Data Summary For VOC-TCLVOA-10	13	9
9.1) Deuterated Monitoring Compound Summary	14	10
9.2) LCS/LCSD Summary	15	11
9.3) Method Blank Summary	23	12
9.4) GS/MS Tune Summary	26	13
9.5) Internal Standard Area and RT Summary	30	14
10) Sample Data	36	15
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10.3) 980-B-1-(24)	70	18
10.4) 981-S-2-(20)	84	
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11.2) Continued Calibration Data	858	
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11.2.2) VX012545.D	918	
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12.3) LCS Data	1022	
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14) Analytical Runlogs	1247	
15) Percent Solid	1265	
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18.3) Lab Certificate	1400
18.4) Internal COC	1401

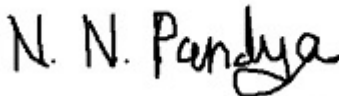
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Cover Page

Order ID : K4888**Project ID :** Andrew St. RI**Client :** Day Environmental, Inc.**Lab Sample Number**K4888-01
K4888-02
K4888-03**Client Sample Number**979-S-1-(18-19)
980-B-1-(24)
981-S-2-(20)

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

Signature :

**APPROVED**By *Nimisha Pandya*, QA QC Supervisor at 11:25 am, Oct 07, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Day Environmental, Inc.**Project Name: Andrew St. RI****Project # N/A****Chemtech Project # K4888****Test Name: VOC-TCLVOA-10****A. Number of Samples and Date of Receipt:**

3 Solid samples were received on 09/13/2019.

B. Parameters

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

C. Analytical Techniques:

The analysis performed on instrument MSVOA_W were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate for {VW0920SBSD01} with File ID: VW013188.D met requirements for all samples except for 1,2-Dibromo-3-Chloropropane[133%], 2-Butanone[140%], 2-Hexanone[140%] and 4-Methyl-2-Pentanone[140%].

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

The % RSD is greater than 15% in the Initial Calibration method (82W092019S.M) for Methylene Chloride this compound passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration method (82X091719W.M) for Dichlorodifluoromethane, Acetone, Carbon Disulfide, Bromoform are passing on Linear Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Sample 979-S-1-(18-19) was diluted due to high concentration.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.

Samples 979-S-1-(18-19) and 981-S-2-(20) are analyzed at medium level due to found high concentration of Tetrachloroethene.

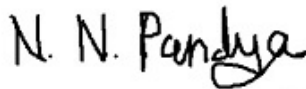
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value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

F. Manual Integration Comments:

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

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

Signature_____

**APPROVED**

By Nimisha Pandya, QA QC Supervisor at 11:25 am, Oct 07, 2019

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: K4888

MATRIX: Solid

METHOD: 8260C

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements. The % RSD is greater than 15% in the Initial Calibration method (82W092019S.M) for Methylene Chloride this compound passing on Linear Regression. The % RSD is greater than 15% in the Initial Calibration method (82X091719W.M) for Dichlorodifluoromethane, Acetone, Carbon Disulfide , Bromoform are passing on Linear Regression. The Continuous Calibration met the requirements.			✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria.			✓

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

	NA	NO	YES
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Blank Spike met requirements for all samples . The Blank Spike Duplicate for {VW0920SBSD01} with File ID: VW013188.D met requirements for all samples except for 1,2-Dibromo-3-Chloropropane[133%], 2-Butanone[140%], 2-Hexanone[140%] and 4-Methyl-2-Pentanone[140%] .			
9. Internal Standard Area/Retention Time Shift Meet Criteria			✓
Comments:			
10. Analysis Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Sample 979-S-1-(18-19) was diluted due to high concentration.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

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

REVIEWED**By Aparana Soni at 11:17 am, Oct 07, 2019**

QA REVIEW

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K4888

Completed

For thorough review, the report must have the following:

GENERAL:

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

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

Is the chain of custody signed and complete ✓

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

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

COVER PAGE:

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

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

CHAIN OF CUSTODY:

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

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

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

Were the samples received within hold time ✓

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

ANALYTICAL:

Was method requirement followed? ✓

Was client requirement followed? ✓

Does the case narrative summarize all QC failure? ✓

All runlogs and manual integration are reviewed for requirements ✓

All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: NIKUL PATEL

Date: 09/26/2019

2nd Level QA Review Signature: _____

REVIEWED

Date: _____

By Aparana Soni at 11:17 am, Oct 07, 2019





284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

OrderID: K4888	OrderDate: 9/13/2019 10:59:00 AM
Client: Day Environmental, Inc.	Project: Andrew St. RI
Contact: Jeff Danzinger	Location: L22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K4888-01	979-S-1-(18-19)	SOIL	VOC-TCLVOA-10	8260C	09/12/19		09/19/19	09/13/19
K4888-01DL	979-S-1-(18-19)DL	SOIL	VOC-TCLVOA-10	8260C	09/12/19		09/20/19	09/13/19
K4888-02	980-B-1-(24)	SOIL	VOC-TCLVOA-10	8260C	09/12/19		09/20/19	09/13/19
K4888-03	981-S-2-(20)	SOIL	VOC-TCLVOA-10	8260C	09/12/19		09/19/19	09/13/19

Hit Summary Sheet
SW-846

SDG No.: K4888

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: 979-S-1-(18-19)								
K4888-01	979-S-1-(18-19)	SOIL	Trichloroethene	110.00	J	76.0	410	ug/Kg
K4888-01	979-S-1-(18-19)	SOIL	Tetrachloroethene	27,900.00	E	56.6	410	ug/Kg
Total Voc :				28010				
K4888-01	979-S-1-(18-19)	SOIL	unknown1.66	* 930.00	J	0	0	ug/Kg
K4888-01	979-S-1-(18-19)	SOIL	unknown15.34	* 630.00	J	0	0	ug/Kg
K4888-01	979-S-1-(18-19)	SOIL	unknown16.18	* 890.00	J	0	0	ug/Kg
K4888-01	979-S-1-(18-19)	SOIL	Eicosane	* 1,300.00	J	0	0	ug/Kg
K4888-01	979-S-1-(18-19)	SOIL	Hexadecane	* 3,100.00	J	0	0	ug/Kg
K4888-01	979-S-1-(18-19)	SOIL	Tridecane	* 820.00	J	0	0	ug/Kg
K4888-01	979-S-1-(18-19)	SOIL	Tetradecane	* 2,200.00	J	0	0	ug/Kg
K4888-01	979-S-1-(18-19)	SOIL	Pentadecane	* 4,300.00	J	0	0	ug/Kg
K4888-01	979-S-1-(18-19)	SOIL	Dodecane, 2-methyl-	* 680.00	J	0	0	ug/Kg
Total Tics :				14850				
Total Concentration:				42860				
Client ID: 979-S-1-(18-19)DL								
K4888-01DL	979-S-1-(18-19)DL	SOIL	Tetrachloroethene	27,200.00	D	570	4100	ug/Kg
Total Voc :				27200				
Total Concentration:				27200				
Client ID: 980-B-1-(24)								
K4888-02	980-B-1-(24)	SOIL	Toluene	3.30	J	1.00	5.20	ug/Kg
K4888-02	980-B-1-(24)	SOIL	Tetrachloroethene	19.60		0.73	5.20	ug/Kg
Total Voc :				22.9				
K4888-02	980-B-1-(24)	SOIL	Butane	* 10.90	J	0	0	ug/Kg
Total Tics :				10.9				
Total Concentration:				33.8				
Client ID: 981-S-2-(20)								
K4888-03	981-S-2-(20)	SOIL	Trichloroethene	110.00	J	80.1	430	ug/Kg
K4888-03	981-S-2-(20)	SOIL	Tetrachloroethene	7,400.00		59.7	430	ug/Kg
Total Voc :				7510				
K4888-03	981-S-2-(20)	SOIL	Hexadecane	* 570.00	J	0	0	ug/Kg
K4888-03	981-S-2-(20)	SOIL	Pentadecane	* 440.00	J	0	0	ug/Kg
K4888-03	981-S-2-(20)	SOIL	Heptadecane	* 520.00	J	0	0	ug/Kg
K4888-03	981-S-2-(20)	SOIL	Benzene, 1-[(2-chloroethyl)sulf	* 980.00	J	0	0	ug/Kg
Total Tics :				2510				
Total Concentration:				10020				

QC
SUMMARY

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Surrogate Summary

 SDG No.: K4888

 Client: Day Environmental, Inc.

 Analytical Method: SW8260C

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
K4888-01	979-S-1-(18-19)	1,2-Dichloroethane-d4	50	44.6	89	56	120
		Dibromofluoromethane	50	45.9	92	57	135
		Toluene-d8	50	51.7	103	67	123
		4-Bromofluorobenzene	50	46.1	92	33	141
K4888-01DL	979-S-1-(18-19)DL	1,2-Dichloroethane-d4	50	45.5	91	56	120
		Dibromofluoromethane	50	48.9	98	57	135
		Toluene-d8	50	51.1	102	67	123
		4-Bromofluorobenzene	50	42.5	85	33	141
K4888-02	980-B-1-(24)	1,2-Dichloroethane-d4	50	50.8	102	56	120
		Dibromofluoromethane	50	50.3	101	57	135
		Toluene-d8	50	49.7	99	67	123
		4-Bromofluorobenzene	50	45.4	91	33	141
K4888-03	981-S-2-(20)	1,2-Dichloroethane-d4	50	46.4	93	56	120
		Dibromofluoromethane	50	47.1	94	57	135
		Toluene-d8	50	51.2	102	67	123
		4-Bromofluorobenzene	50	46.3	93	33	141
VW0920SBL01	VW0920SBL01	1,2-Dichloroethane-d4	50	55.1	110	56	120
		Dibromofluoromethane	50	51.1	102	57	135
		Toluene-d8	50	50.2	100	67	123
		4-Bromofluorobenzene	50	47.0	94	33	141
VW0920SBS01	VW0920SBS01	1,2-Dichloroethane-d4	50	53.2	106	56	120
		Dibromofluoromethane	50	52.1	104	57	135
		Toluene-d8	50	52.1	104	67	123
		4-Bromofluorobenzene	50	53.1	106	33	141
VW0920SBSD0	VW0920SBSD01	1,2-Dichloroethane-d4	50	49.0	98	56	120
		Dibromofluoromethane	50	48.8	98	57	135
		Toluene-d8	50	49.2	98	67	123
		4-Bromofluorobenzene	50	49.3	99	33	141
VX0919MBL01	VX0919MBL01	1,2-Dichloroethane-d4	50	46.1	92	56	120
		Dibromofluoromethane	50	49.5	99	57	135
		Toluene-d8	50	51.1	102	67	123
		4-Bromofluorobenzene	50	44.6	89	33	141
VX0919MBS01	VX0919MBS01	1,2-Dichloroethane-d4	50	46.0	92	56	120
		Dibromofluoromethane	50	48.1	96	57	135
		Toluene-d8	50	47.7	95	67	123
		4-Bromofluorobenzene	50	45.5	91	33	141
VX0920MBL01	VX0920MBL01	1,2-Dichloroethane-d4	50	47.3	95	56	120
		Dibromofluoromethane	50	49.4	99	57	135
		Toluene-d8	50	50.8	102	67	123
		4-Bromofluorobenzene	50	44.2	88	33	141
VX0920MBS01	VX0920MBS01	1,2-Dichloroethane-d4	50	47.8	96	56	120
		Dibromofluoromethane	50	50.7	101	57	135
		Toluene-d8	50	50.5	101	67	123
		4-Bromofluorobenzene	50	48.6	97	33	141

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

SDG No.: K4888
Client: Day Environmental, Inc.
Analytical Method: SW8260C Datafile : VW013187.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VW0920SBS01	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			75	125	
	1,2,3-Trichlorobenzene	20	20.4	ug/Kg	102			79	123	

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

SDG No.: K4888

Client: Day Environmental, Inc.

Analytical Method: SW8260C Datafile : VW013188.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VW0920SBSD01	Dichlorodifluoromethane	20	22.0	ug/Kg	110	2		50	142	20
	Chloromethane	20	20.4	ug/Kg	102	8		65	131	20
	Vinyl chloride	20	20.9	ug/Kg	104	2		67	130	20
	Bromomethane	20	19.9	ug/Kg	100	4		64	136	20
	Chloroethane	20	20.0	ug/Kg	100	3		66	146	20
	Trichlorofluoromethane	20	18.5	ug/Kg	93	4		72	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103	1		73	133	20
	1,1-Dichloroethene	20	20.3	ug/Kg	102	1		74	130	20
	Acetone	100	130	ug/Kg	130	8		57	135	20
	Carbon disulfide	20	19.8	ug/Kg	99	3		71	130	20
	Methyl tert-butyl Ether	20	21.6	ug/Kg	108	5		76	123	20
	Methyl Acetate	20	27.0	ug/Kg	135	8		62	146	20
	Methylene Chloride	20	20.4	ug/Kg	102	3		73	134	20
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99	2		76	125	20
	1,1-Dichloroethane	20	19.6	ug/Kg	98	2		78	124	20
	Cyclohexane	20	20.7	ug/Kg	104	4		72	130	20
	2-Butanone	100	140	ug/Kg	140	7	*	68	132	20
	Carbon Tetrachloride	20	21.0	ug/Kg	105	7		76	127	20
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98	2		78	122	20
	Bromochloromethane	20	17.8	ug/Kg	89	4		66	133	20
	Chloroform	20	19.3	ug/Kg	97	3		79	122	20
	1,1,1-Trichloroethane	20	19.9	ug/Kg	100	3		76	126	20
	Methylcyclohexane	20	21.5	ug/Kg	108	8		75	127	20
	Benzene	20	21.0	ug/Kg	105	6		79	124	20
	1,2-Dichloroethane	20	21.7	ug/Kg	109	6		78	124	20
	Trichloroethene	20	20.7	ug/Kg	104	5		78	124	20
	1,2-Dichloropropane	20	20.3	ug/Kg	102	5		76	124	20
	Bromodichloromethane	20	20.3	ug/Kg	102	7		78	122	20
	4-Methyl-2-Pentanone	100	140	ug/Kg	140	7	*	73	135	20
	Toluene	20	21.0	ug/Kg	105	6		78	124	20
	t-1,3-Dichloropropene	20	21.4	ug/Kg	107	6		77	123	20
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105	7		79	120	20
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	7		78	123	20
	2-Hexanone	100	140	ug/Kg	140	7	*	71	134	20
	Dibromochloromethane	20	21.4	ug/Kg	107	6		77	121	20
	1,2-Dibromoethane	20	23.1	ug/Kg	116	7		78	123	20
	Tetrachloroethene	20	20.9	ug/Kg	104	5		67	134	20
	Chlorobenzene	20	20.4	ug/Kg	102	4		80	121	20
	Ethyl Benzene	20	20.6	ug/Kg	103	4		80	123	20
	m/p-Xylenes	40	41.5	ug/Kg	104	5		79	126	20
	o-Xylene	20	20.3	ug/Kg	102	4		80	122	20
	Styrene	20	20.2	ug/Kg	101	2		81	121	20
	Bromoform	20	22.8	ug/Kg	114	9		73	124	20
	Isopropylbenzene	20	20.6	ug/Kg	103	5		79	123	20
	1,1,2,2-Tetrachloroethane	20	24.2	ug/Kg	121	9		79	124	20
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	5		82	120	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	5		81	120	20
	1,2-Dichlorobenzene	20	21.3	ug/Kg	106	5		82	118	20
	1,2-Dibromo-3-Chloropropane	20	26.5	ug/Kg	133	5	*	72	127	20

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

SDG No.: K4888
 Client: Day Environmental, Inc.
 Analytical Method: SW8260C Datafile : VW013188.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VW0920SBSD01	1,2,4-Trichlorobenzene	20	20.9	ug/Kg	104	3		75	125	20
	1,2,3-Trichlorobenzene	20	21.4	ug/Kg	107	5		79	123	20

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

SDG No.: K4888

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Datafile : VX012521.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0919MBS01	Dichlorodifluoromethane	2000	1900	ug/Kg	95			50	142	
	Chloromethane	2000	1900	ug/Kg	95			65	131	
	Vinyl chloride	2000	1900	ug/Kg	95			67	130	
	Bromomethane	2000	2400	ug/Kg	120			64	136	
	Chloroethane	2000	1800	ug/Kg	90			66	146	
	Trichlorofluoromethane	2000	2000	ug/Kg	100			72	134	
	1,1,2-Trichlorotrifluoroethane	2000	2000	ug/Kg	100			73	133	
	1,1-Dichloroethene	2000	2000	ug/Kg	100			74	130	
	Acetone	10000	9000	ug/Kg	90			57	135	
	Carbon disulfide	2000	1900	ug/Kg	95			71	130	
	Methyl tert-butyl Ether	2000	2000	ug/Kg	100			76	123	
	Methyl Acetate	2000	1900	ug/Kg	95			62	146	
	Methylene Chloride	2000	1900	ug/Kg	95			73	134	
	trans-1,2-Dichloroethene	2000	2000	ug/Kg	100			76	125	
	1,1-Dichloroethane	2000	2000	ug/Kg	100			78	124	
	Cyclohexane	2000	2000	ug/Kg	100			72	130	
	2-Butanone	10000	9000	ug/Kg	90			68	132	
	Carbon Tetrachloride	2000	1900	ug/Kg	95			76	127	
	cis-1,2-Dichloroethene	2000	2000	ug/Kg	100			78	122	
	Bromochloromethane	2000	1900	ug/Kg	95			66	133	
	Chloroform	2000	2000	ug/Kg	100			79	122	
	1,1,1-Trichloroethane	2000	2000	ug/Kg	100			76	126	
	Methylcyclohexane	2000	2000	ug/Kg	100			75	127	
	Benzene	2000	2000	ug/Kg	100			79	124	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			78	124	
	Trichloroethene	2000	2100	ug/Kg	105			78	124	
	1,2-Dichloropropane	2000	2000	ug/Kg	100			76	124	
	Bromodichloromethane	2000	2000	ug/Kg	100			78	122	
	4-Methyl-2-Pentanone	10000	9500	ug/Kg	95			73	135	
	Toluene	2000	2100	ug/Kg	105			78	124	
	t-1,3-Dichloropropene	2000	1900	ug/Kg	95			77	123	
	cis-1,3-Dichloropropene	2000	2000	ug/Kg	100			79	120	
	1,1,2-Trichloroethane	2000	2000	ug/Kg	100			78	123	
	2-Hexanone	10000	9300	ug/Kg	93			71	134	
	Dibromochloromethane	2000	2000	ug/Kg	100			77	121	
	1,2-Dibromoethane	2000	2100	ug/Kg	105			78	123	
	Tetrachloroethene	2000	2300	ug/Kg	115			67	134	
	Chlorobenzene	2000	2000	ug/Kg	100			80	121	
	Ethyl Benzene	2000	2000	ug/Kg	100			80	123	
	m/p-Xylenes	4000	4100	ug/Kg	103			79	126	
	o-Xylene	2000	2100	ug/Kg	105			80	122	
	Styrene	2000	2100	ug/Kg	105			81	121	
	Bromoform	2000	1800	ug/Kg	90			73	124	
	Isopropylbenzene	2000	2100	ug/Kg	105			79	123	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			79	124	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			82	120	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			81	120	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			82	118	
	1,2-Dibromo-3-Chloropropane	2000	1900	ug/Kg	95			72	127	

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

SDG No.: K4888
Client: Day Environmental, Inc.
Analytical Method: SW8260C Datafile : VX012521.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0919MBS01	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			75	125	
	1,2,3-Trichlorobenzene	2000	2000	ug/Kg	100			79	123	

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

SDG No.: K4888

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Datafile : VX012549.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0920MBS01	Dichlorodifluoromethane	2000	1800	ug/Kg	90			50	142	
	Chloromethane	2000	1900	ug/Kg	95			65	131	
	Vinyl chloride	2000	1900	ug/Kg	95			67	130	
	Bromomethane	2000	2200	ug/Kg	110			64	136	
	Chloroethane	2000	1800	ug/Kg	90			66	146	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			72	134	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			73	133	
	1,1-Dichloroethene	2000	1900	ug/Kg	95			74	130	
	Acetone	10000	9000	ug/Kg	90			57	135	
	Carbon disulfide	2000	1700	ug/Kg	85			71	130	
	Methyl tert-butyl Ether	2000	1900	ug/Kg	95			76	123	
	Methyl Acetate	2000	1900	ug/Kg	95			62	146	
	Methylene Chloride	2000	1900	ug/Kg	95			73	134	
	trans-1,2-Dichloroethene	2000	2000	ug/Kg	100			76	125	
	1,1-Dichloroethane	2000	2000	ug/Kg	100			78	124	
	Cyclohexane	2000	1900	ug/Kg	95			72	130	
	2-Butanone	10000	9000	ug/Kg	90			68	132	
	Carbon Tetrachloride	2000	1900	ug/Kg	95			76	127	
	cis-1,2-Dichloroethene	2000	1900	ug/Kg	95			78	122	
	Bromochloromethane	2000	1900	ug/Kg	95			66	133	
	Chloroform	2000	1900	ug/Kg	95			79	122	
	1,1,1-Trichloroethane	2000	1900	ug/Kg	95			76	126	
	Methylcyclohexane	2000	1900	ug/Kg	95			75	127	
	Benzene	2000	2000	ug/Kg	100			79	124	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			78	124	
	Trichloroethene	2000	2100	ug/Kg	105			78	124	
	1,2-Dichloropropane	2000	2000	ug/Kg	100			76	124	
	Bromodichloromethane	2000	1900	ug/Kg	95			78	122	
	4-Methyl-2-Pentanone	10000	9700	ug/Kg	97			73	135	
	Toluene	2000	2000	ug/Kg	100			78	124	
	t-1,3-Dichloropropene	2000	1900	ug/Kg	95			77	123	
	cis-1,3-Dichloropropene	2000	2000	ug/Kg	100			79	120	
	1,1,2-Trichloroethane	2000	2000	ug/Kg	100			78	123	
	2-Hexanone	10000	9600	ug/Kg	96			71	134	
	Dibromochloromethane	2000	1900	ug/Kg	95			77	121	
	1,2-Dibromoethane	2000	2100	ug/Kg	105			78	123	
	Tetrachloroethene	2000	2400	ug/Kg	120			67	134	
	Chlorobenzene	2000	2000	ug/Kg	100			80	121	
	Ethyl Benzene	2000	2000	ug/Kg	100			80	123	
	m/p-Xylenes	4000	4000	ug/Kg	100			79	126	
	o-Xylene	2000	2000	ug/Kg	100			80	122	
	Styrene	2000	2000	ug/Kg	100			81	121	
	Bromoform	2000	1800	ug/Kg	90			73	124	
	Isopropylbenzene	2000	2000	ug/Kg	100			79	123	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			79	124	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			82	120	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			81	120	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			82	118	
	1,2-Dibromo-3-Chloropropane	2000	1900	ug/Kg	95			72	127	

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

SDG No.: K4888
Client: Day Environmental, Inc.
Analytical Method: SW8260C Datafile : VX012549.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0920MBS01	1,2,4-Trichlorobenzene	2000	2000	ug/Kg	100			75	125	
	1,2,3-Trichlorobenzene	2000	2000	ug/Kg	100			79	123	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VW0920SBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: K4888SAS No.: K4888 SDG NO.: K4888Lab File ID: VW013184.DLab Sample ID: VW0920SBL01Date Analyzed: 09/20/2019Time Analyzed: 16:06GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
980-B-1- (24)	K4888-02	VW013185.D	09/20/2019
VW0920SBS01	VW0920SBS01	VW013187.D	09/20/2019
VW0920SBSD01	VW0920SBSD01	VW013188.D	09/20/2019

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0919MBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: K4888SAS No.: K4888 SDG NO.: K4888Lab File ID: VX012518.DLab Sample ID: VX0919MBL01Date Analyzed: 09/19/2019Time Analyzed: 11:08GC Column: DB-624UI ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0919MBS01	VX0919MBS01	VX012521.D	09/19/2019
979-S-1-(18-19)	K4888-01	VX012523.D	09/19/2019
981-S-2-(20)	K4888-03	VX012525.D	09/19/2019

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0920MBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: K4888SAS No.: K4888 SDG NO.: K4888Lab File ID: VX012547.DLab Sample ID: VX0920MBL01Date Analyzed: 09/20/2019Time Analyzed: 11:16GC Column: DB-624UI ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0920MBS01	VX0920MBS01	VX012549.D	09/20/2019
979-S-1-(18-19)DL	K4888-01DL	VX012550.D	09/20/2019

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VW013176.D BFB Injection Date: 09/20/2019
 Instrument ID: MSVOA_W BFB Injection Time: 11:43
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	92.9
175	5.0 - 9.0% of mass 174	7.7 (8.3) 1
176	95.0 - 101.0% of mass 174	90.8 (97.7) 1
177	5.0 - 9.0% of mass 176	5.9 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW013177.D	09/20/2019	12:43
VSTDIC010	VSTDIC010	VW013178.D	09/20/2019	13:09
VSTDIC020	VSTDIC020	VW013179.D	09/20/2019	13:35
VSTDIC050	VSTDIC050	VW013180.D	09/20/2019	14:01
VSTDIC100	VSTDIC100	VW013181.D	09/20/2019	14:27
VSTDIC150	VSTDIC150	VW013182.D	09/20/2019	14:53
VW0920SBL01	VW0920SBL01	VW013184.D	09/20/2019	16:06
980-B-1-(24)	K4888-02	VW013185.D	09/20/2019	16:41
VW0920SBS01	VW0920SBS01	VW013187.D	09/20/2019	17:33
VW0920SBSD01	VW0920SBSD01	VW013188.D	09/20/2019	17:59



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VX012427.D BFB Injection Date: 09/17/2019
 Instrument ID: MSVOA_X BFB Injection Time: 11:30
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	5.4 (7.6) 1
176	95.0 - 101.0% of mass 174	67.7 (95.6) 1
177	5.0 - 9.0% of mass 176	5 (7.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX012428.D	09/17/2019	11:59
VSTDICC005	VSTDICC005	VX012429.D	09/17/2019	12:23
VSTDICC020	VSTDICC020	VX012430.D	09/17/2019	12:46
VSTDICCC050	VSTDICCC050	VX012431.D	09/17/2019	13:09
VSTDICC100	VSTDICC100	VX012432.D	09/17/2019	13:33
VSTDICC150	VSTDICC150	VX012433.D	09/17/2019	13:56



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VX012516.D BFB Injection Date: 09/19/2019
 Instrument ID: MSVOA_X BFB Injection Time: 09:58
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	51
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.1 (0.2) 1
174	50.0 - 100.0% of mass 95	64.5
175	5.0 - 9.0% of mass 174	4.9 (7.6) 1
176	95.0 - 101.0% of mass 174	63.1 (97.8) 1
177	5.0 - 9.0% of mass 176	4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX012517.D	09/19/2019	10:30
VX0919MBL01	VX0919MBL01	VX012518.D	09/19/2019	11:08
VX0919MBS01	VX0919MBS01	VX012521.D	09/19/2019	12:27
979-S-1-(18-19)	K4888-01	VX012523.D	09/19/2019	13:14
981-S-2-(20)	K4888-03	VX012525.D	09/19/2019	14:01



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VX012544.D BFB Injection Date: 09/20/2019
 Instrument ID: MSVOA_X BFB Injection Time: 08:59
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5 (7.4) 1
176	95.0 - 101.0% of mass 174	65.2 (96.4) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX012545.D	09/20/2019	10:16
VX0920MBL01	VX0920MBL01	VX012547.D	09/20/2019	11:16
VX0920MBS01	VX0920MBS01	VX012549.D	09/20/2019	12:05
979-S-1-(18-19)DL	K4888-01DL	VX012550.D	09/20/2019	12:28

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VW013180.D Date Analyzed: 09/20/2019
 Instrument ID: MSVOA_W Time Analyzed: 14:01
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	361138	7.95	520196	8.84	449633	11.63
UPPER LIMIT	722276	8.45	1040390	9.34	899266	12.13
LOWER LIMIT	180569	7.45	260098	8.34	224817	11.13
EPA SAMPLE NO.						
980-B-1-(24)	326806	7.94	489313	8.84	405726	11.63
VW0920SBL01	278462	7.94	412739	8.84	348441	11.63
VW0920SBS01	302799	7.95	431849	8.84	373568	11.63
VW0920SBSD01	287033	7.95	398227	8.84	349748	11.63

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VW013180.D Date Analyzed: 09/20/2019
 Instrument ID: MSVOA_W Time Analyzed: 14:01
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #			
12 HOUR STD	226435	13.56			
UPPER LIMIT	452870	14.06			
LOWER LIMIT	113218	13.06			
EPA SAMPLE NO.					
980-B-1-(24)	178647	13.56			
VW0920SBL01	160018	13.56			
VW0920SBS01	194718	13.56			
VW0920SBSD01	179439	13.56			

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VX012517.D Date Analyzed: 09/19/2019
 Instrument ID: MSVOA_X Time Analyzed: 10:30
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	205522	5.65	333037	6.84	300807	10.10
UPPER LIMIT	411044	6.15	666074	7.34	601614	10.6
LOWER LIMIT	102761	5.15	166519	6.34	150404	9.6
EPA SAMPLE NO.						
979-S-1-(18-19)	178962	5.64	278928	6.85	237019	10.11
981-S-2-(20)	176123	5.65	281455	6.85	234102	10.11
VX0919MBL01	199689	5.65	316231	6.85	268813	10.11
VX0919MBS01	198058	5.65	327788	6.85	293101	10.11

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VX012517.D Date Analyzed: 09/19/2019
 Instrument ID: MSVOA_X Time Analyzed: 10:30
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	148206	12.07			
UPPER LIMIT	296412	12.57			
LOWER LIMIT	74103	11.57			
EPA SAMPLE NO.					
979-S-1-(18-19)	107887	12.07			
981-S-2-(20)	102497	12.07			
VX0919MBL01	112083	12.07			
VX0919MBS01	139559	12.07			

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VX012545.D Date Analyzed: 09/20/2019
 Instrument ID: MSVOA_X Time Analyzed: 10:16
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	186442	5.64	305691	6.85	274572	10.11
UPPER LIMIT	372884	6.14	611382	7.35	549144	10.61
LOWER LIMIT	93221	5.14	152846	6.35	137286	9.61
EPA SAMPLE NO.						
979-S-1-(18-19)DL	179387	5.65	279620	6.85	229440	10.11
VX0920MBL01	183650	5.65	295629	6.85	250258	10.11
VX0920MBS01	186829	5.65	307638	6.85	277822	10.11

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG NO.: K4888
 Lab File ID: VX012545.D Date Analyzed: 09/20/2019
 Instrument ID: MSVOA_X Time Analyzed: 10:16
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	136527	12.07			
UPPER LIMIT	273054	12.57			
LOWER LIMIT	68263.5	11.57			
EPA SAMPLE NO.					
979-S-1-(18-19)DL	86296	12.07			
VX0920MBL01	102336	12.07			
VX0920MBS01	129054	12.07			

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE
DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/12/19
Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	979-S-1-(18-19)	SDG No.:	K4888
Lab Sample ID:	K4888-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.6
Sample Wt/Vol:	6.64 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012523.D	1		09/19/19 13:14	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	410	U	74.0	410	ug/Kg
74-87-3	Chloromethane	410	U	150	410	ug/Kg
75-01-4	Vinyl Chloride	410	U	90.6	410	ug/Kg
74-83-9	Bromomethane	410	U	30.8	410	ug/Kg
75-00-3	Chloroethane	410	U	46.9	410	ug/Kg
75-69-4	Trichlorofluoromethane	410	U	52.6	410	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	410	U	65.3	410	ug/Kg
75-35-4	1,1-Dichloroethene	410	U	80.8	410	ug/Kg
67-64-1	Acetone	2000	U	630	2000	ug/Kg
75-15-0	Carbon Disulfide	410	U	87.3	410	ug/Kg
1634-04-4	Methyl tert-butyl Ether	410	U	110	410	ug/Kg
79-20-9	Methyl Acetate	410	U	230	410	ug/Kg
75-09-2	Methylene Chloride	810	U	420	810	ug/Kg
156-60-5	trans-1,2-Dichloroethene	410	U	100	410	ug/Kg
75-34-3	1,1-Dichloroethane	410	U	74.2	410	ug/Kg
110-82-7	Cyclohexane	410	U	150	410	ug/Kg
78-93-3	2-Butanone	2000	U	540	2000	ug/Kg
56-23-5	Carbon Tetrachloride	410	U	67.2	410	ug/Kg
156-59-2	cis-1,2-Dichloroethene	410	U	80.4	410	ug/Kg
74-97-5	Bromochloromethane	410	U	97.2	410	ug/Kg
67-66-3	Chloroform	410	U	70.4	410	ug/Kg
71-55-6	1,1,1-Trichloroethane	410	U	86.2	410	ug/Kg
108-87-2	Methylcyclohexane	410	U	96.1	410	ug/Kg
71-43-2	Benzene	410	U	68.3	410	ug/Kg
107-06-2	1,2-Dichloroethane	410	U	97.9	410	ug/Kg
79-01-6	Trichloroethene	110	J	76.0	410	ug/Kg
78-87-5	1,2-Dichloropropane	410	U	100	410	ug/Kg
75-27-4	Bromodichloromethane	410	U	80.9	410	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2000	U	460	2000	ug/Kg
108-88-3	Toluene	410	U	79.5	410	ug/Kg
10061-02-6	t-1,3-Dichloropropene	410	U	82.0	410	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	410	U	87.2	410	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/12/19
Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	979-S-1-(18-19)	SDG No.:	K4888
Lab Sample ID:	K4888-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.6
Sample Wt/Vol:	6.64 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012523.D	1		09/19/19 13:14	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	410	U	120	410	ug/Kg
591-78-6	2-Hexanone	2000	U	600	2000	ug/Kg
124-48-1	Dibromochloromethane	410	U	110	410	ug/Kg
106-93-4	1,2-Dibromoethane	410	U	110	410	ug/Kg
127-18-4	Tetrachloroethene	27900	E	56.6	410	ug/Kg
108-90-7	Chlorobenzene	410	U	64.2	410	ug/Kg
100-41-4	Ethyl Benzene	410	U	69.6	410	ug/Kg
179601-23-1	m/p-Xylenes	810	U	130	810	ug/Kg
95-47-6	o-Xylene	410	U	89.4	410	ug/Kg
100-42-5	Styrene	410	U	80.8	410	ug/Kg
75-25-2	Bromoform	410	U	270	410	ug/Kg
98-82-8	Isopropylbenzene	410	U	70.5	410	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	410	U	88.5	410	ug/Kg
541-73-1	1,3-Dichlorobenzene	410	U	86.8	410	ug/Kg
106-46-7	1,4-Dichlorobenzene	410	U	86.0	410	ug/Kg
95-50-1	1,2-Dichlorobenzene	410	U	100	410	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	410	U	270	410	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	410	U	90.6	410	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	410	U	100	410	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.6		56 - 120	89%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		57 - 135	92%	SPK: 50
2037-26-5	Toluene-d8	51.7		67 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	5.64			
540-36-3	1,4-Difluorobenzene	279000	6.85			
3114-55-4	Chlorobenzene-d5	237000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	108000	12.07			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown1.66	930	J		1.66	ug/Kg
000629-50-5	Tridecane	820	J		14.1	ug/Kg
000629-59-4	Tetradecane	2200	J		14.8	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/12/19
Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	979-S-1-(18-19)	SDG No.:	K4888
Lab Sample ID:	K4888-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.6
Sample Wt/Vol:	6.64 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012523.D	1		09/19/19 13:14	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000112-95-8	Eicosane	1300	J		15.3	ug/Kg
	unknown15.34	630	J		15.3	ug/Kg
000629-62-9	Pentadecane	4300	J		15.6	ug/Kg
001560-97-0	Dodecane, 2-methyl-	680	J		16.1	ug/Kg
	unknown16.18	890	J		16.2	ug/Kg
000544-76-3	Hexadecane	3100	J		16.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 979-S-1-(18-19)

Quant Time: Sep 20 05:13:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

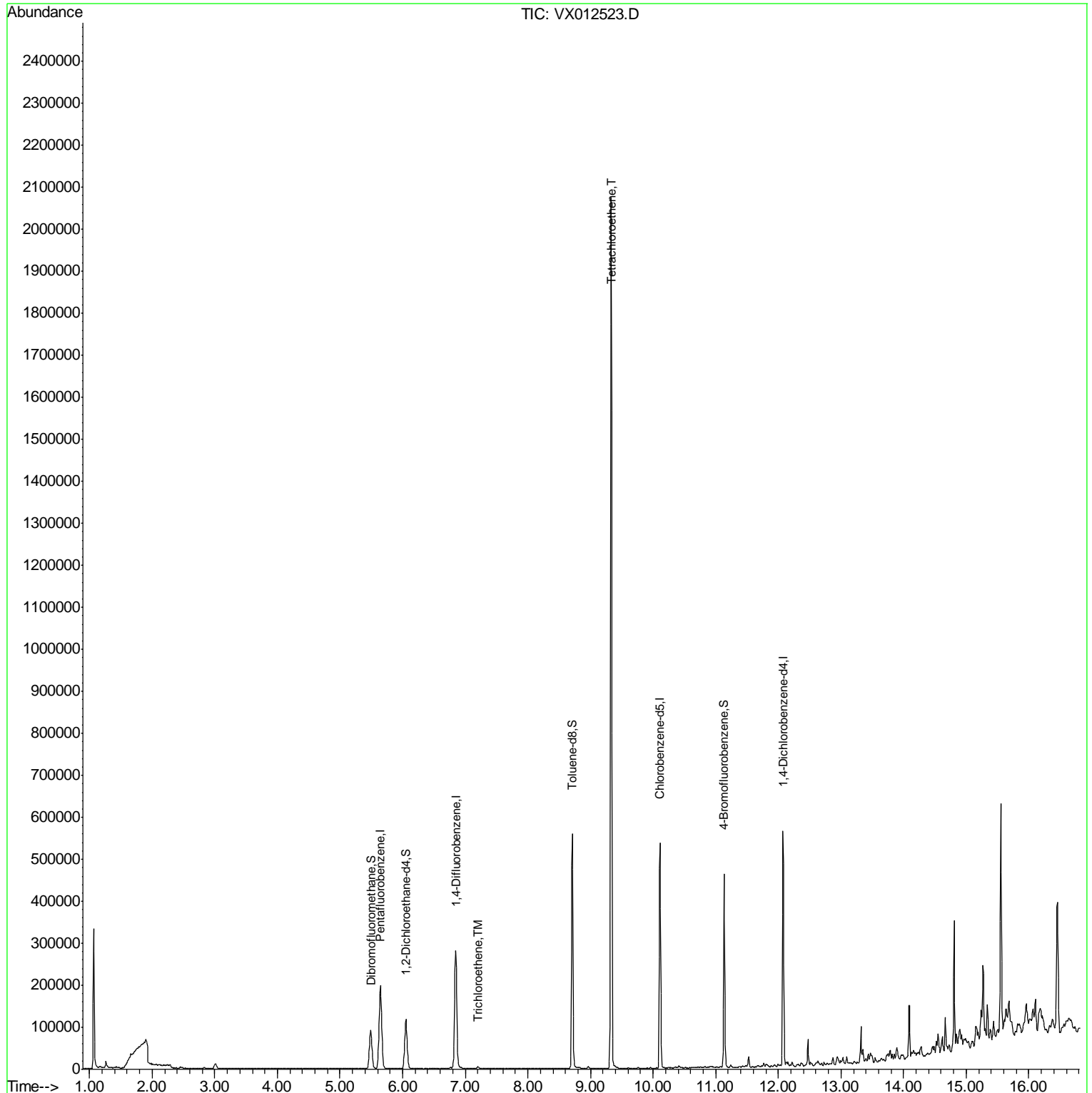
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	178962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107887	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	114447	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	
35) Dibromofluoromethane	5.49	113	77533	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
50) Toluene-d8	8.71	98	323030	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	11.14	95	119663	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
Target Compounds						
44) Trichloroethene	7.21	130	1843	1.300	ug/l	92
64) Tetrachloroethene	9.33	164	371649	342.183	ug/l	93

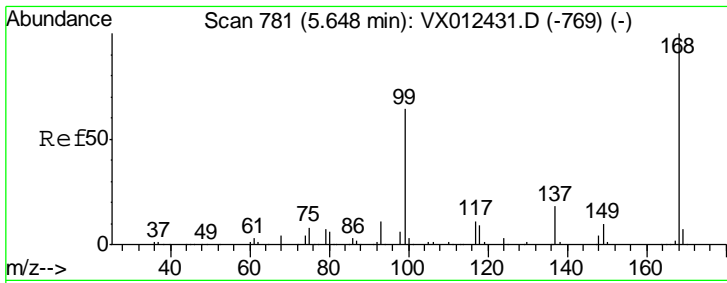
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012523.D
Acq On : 19 Sep 2019 13:14
Operator : JC/SP
Sample : K4888-01
Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
979-S-1-(18-19)

Quant Time: Sep 20 05:13:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

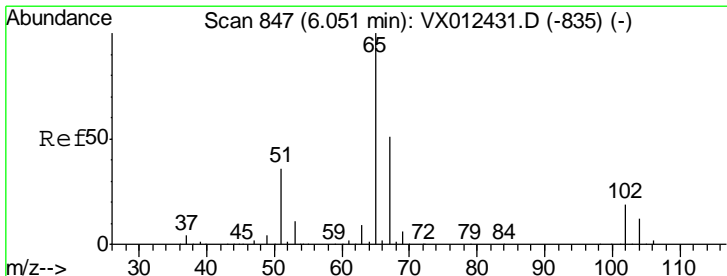
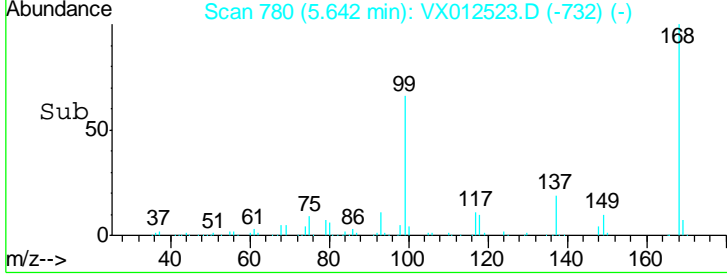
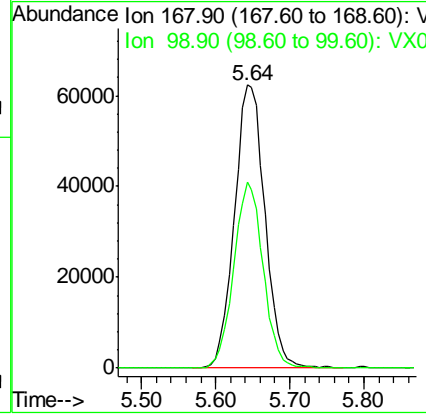
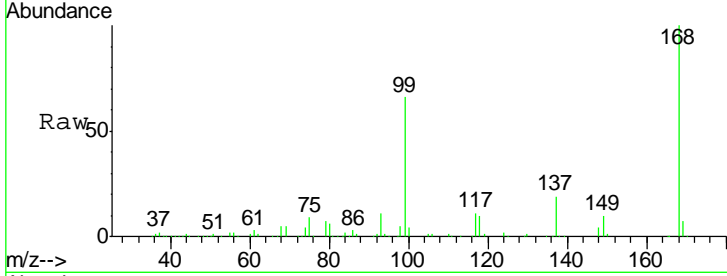




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

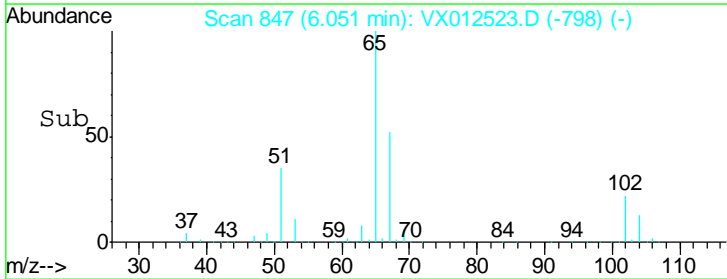
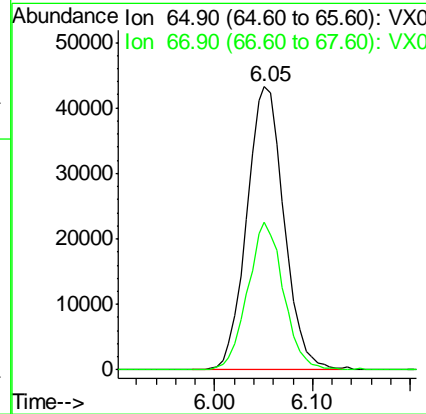
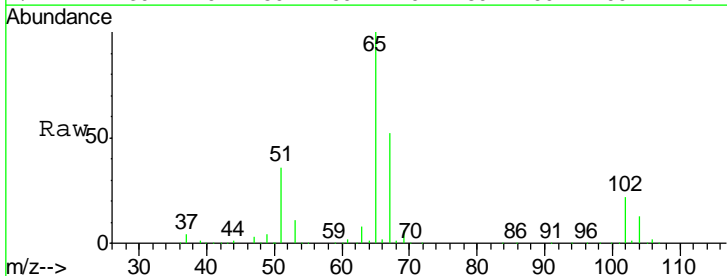
Instrument : MSVOA_X
 ClientSampleId : 979-S-1-(18-19)

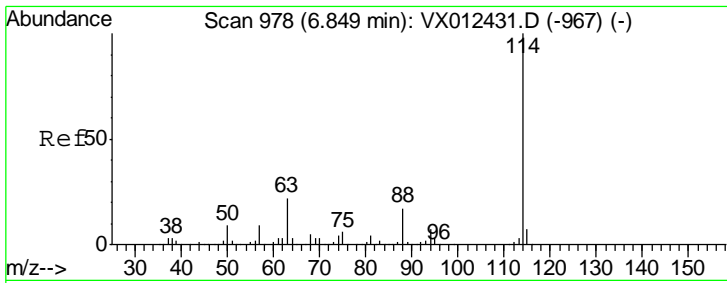
Tgt Ion	Resp	Lower	Upper
168	100		
99	65.7	51.4	77.2



#33
 1,2-Dichloroethane-d4
 Concen: 44.621 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

Tgt Ion	Resp	Lower	Upper
65	100		
67	50.3	0.0	101.2

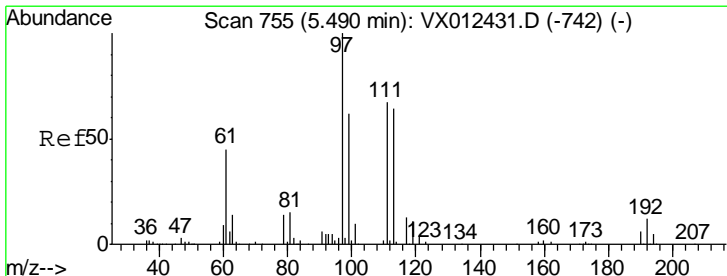
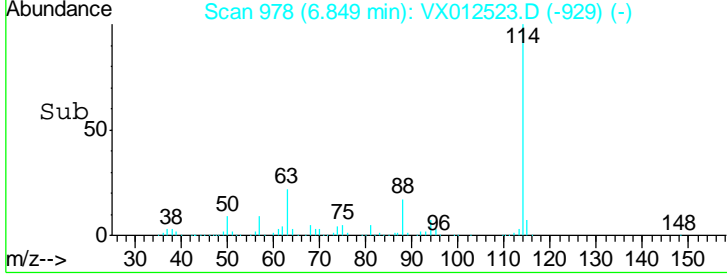
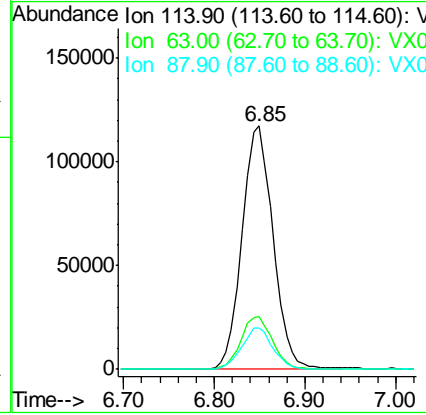
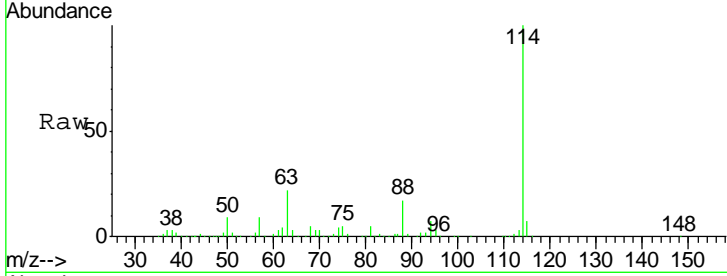




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

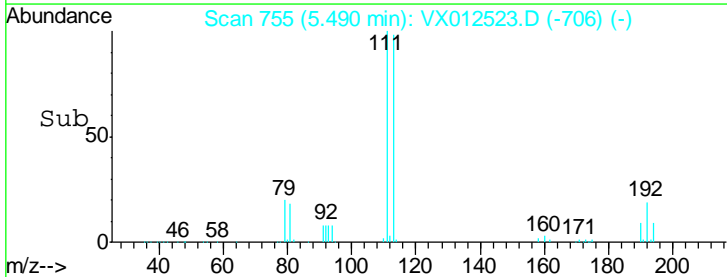
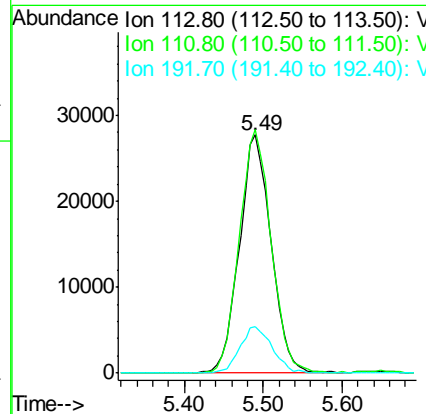
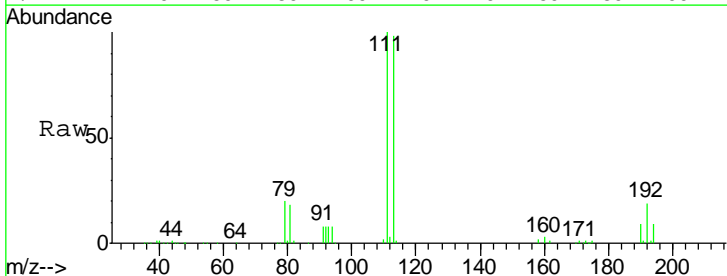
Instrument :
 MSVOA_X
 ClientSampled :
 979-S-1-(18-19)

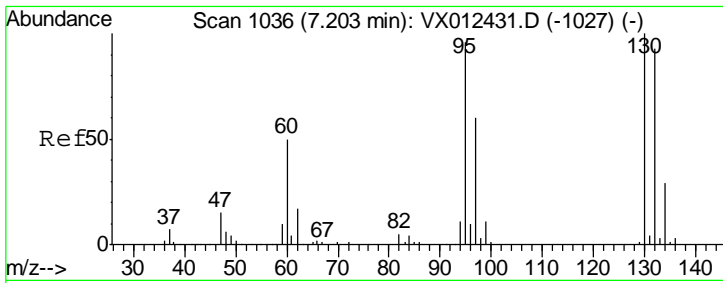
Tgt Ion	Resp	Lower	Upper
114	278928		
63	21.9	0.0	43.2
88	17.0	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 45.925 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

Tgt Ion	Resp	Lower	Upper
113	77533		
111	102.8	83.4	125.2
192	20.0	14.4	21.6

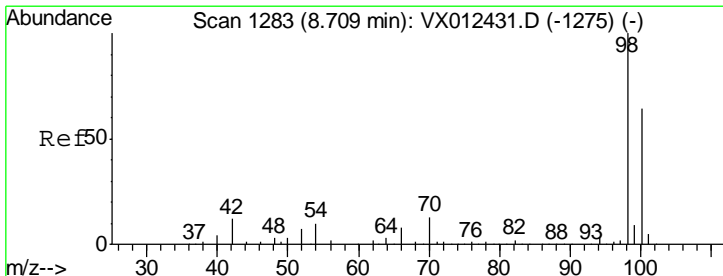
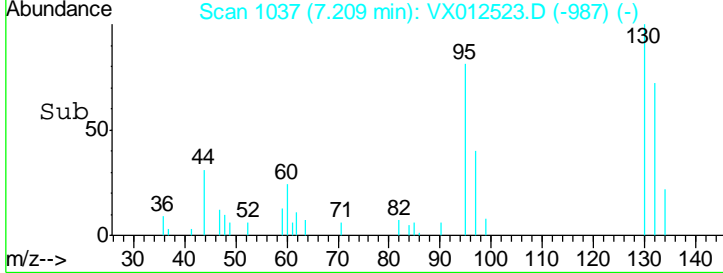
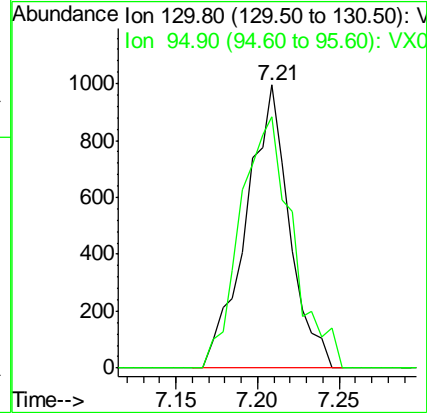
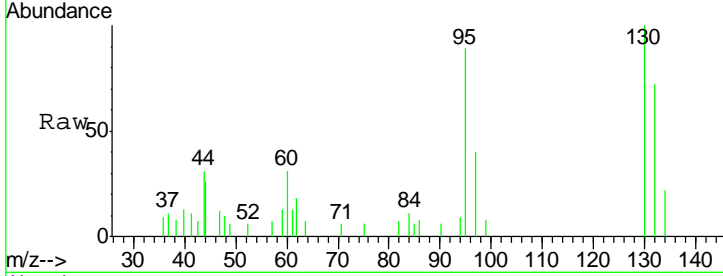




#44
 Trichloroethene
 Concen: 1.300 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

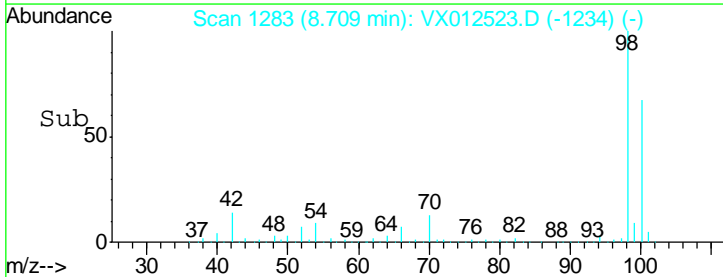
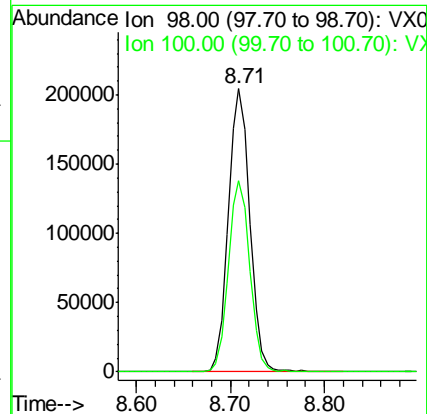
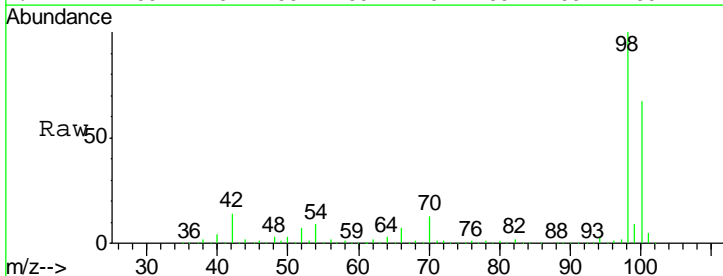
Instrument : MSVOA_X
 ClientSampled : 979-S-1-(18-19)

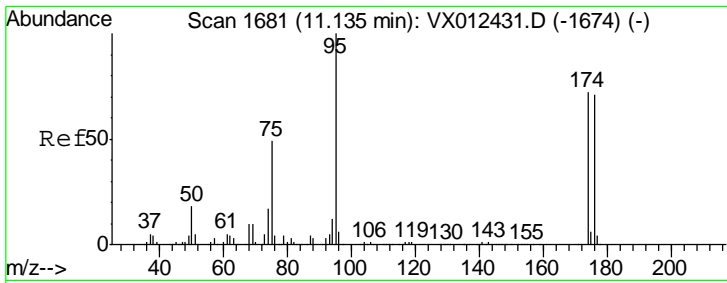
Tgt Ion	Resp	Lower	Upper
130	1843		
95	88.6	0.0	193.0



#50
 Toluene-d8
 Concen: 51.694 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

Tgt Ion	Resp	Lower	Upper
98	323030		
100	67.1	53.4	80.2

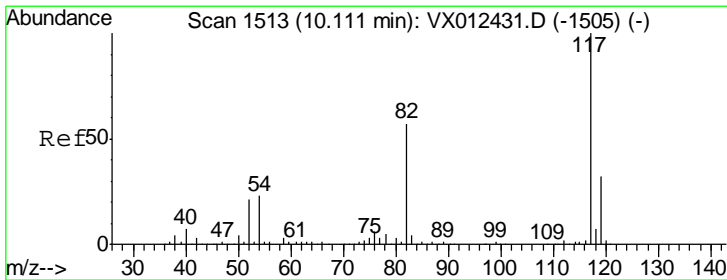
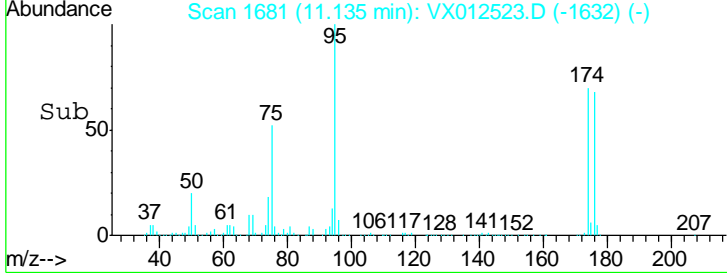
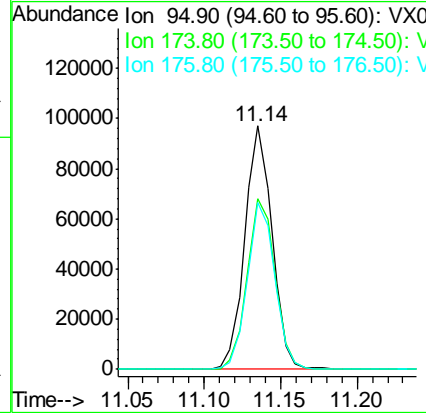
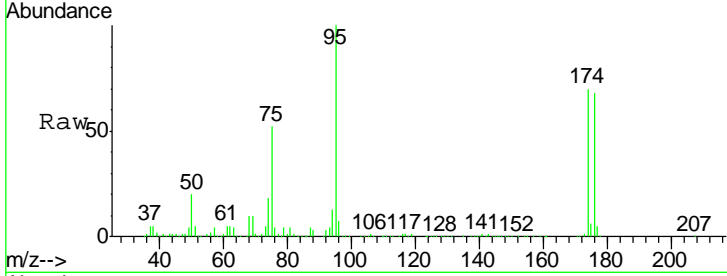




#62
 4-Bromofluorobenzene
 Concen: 46.120 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

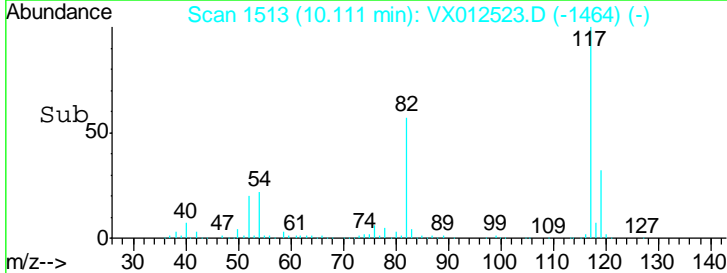
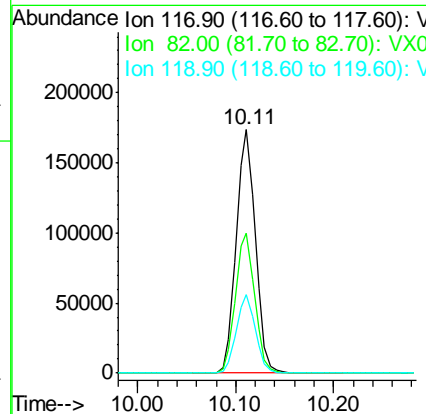
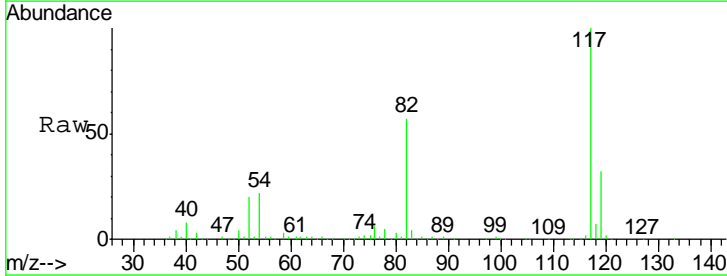
Instrument : MSVOA_X
 ClientSampled : 979-S-1-(18-19)

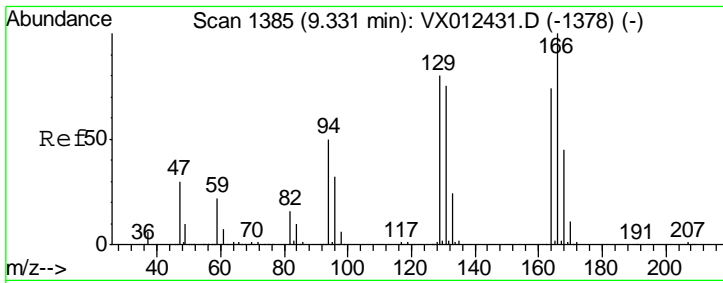
Tgt Ion	Resp	Lower	Upper
95	119663		
174	72.0	0.0	140.0
176	69.3	0.0	135.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

Tgt Ion	Resp	Lower	Upper
117	237019		
82	57.4	45.9	68.9
119	32.1	25.3	37.9

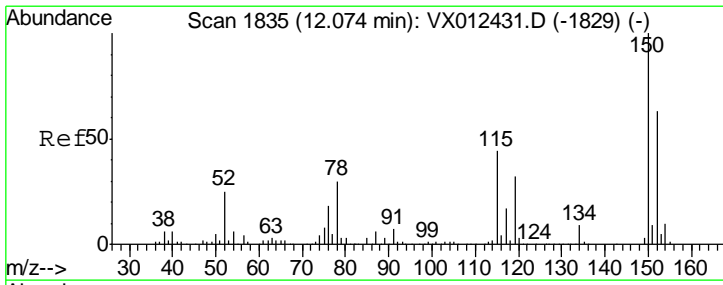
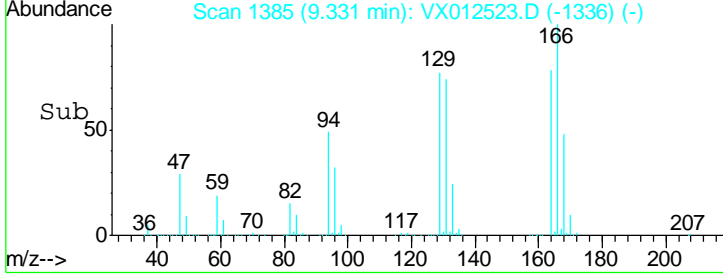
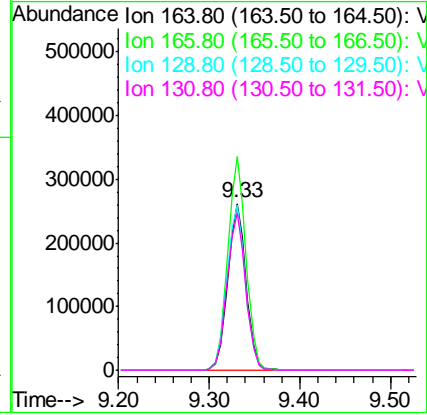
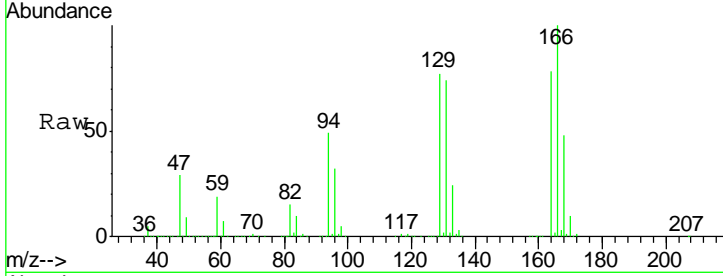




#64
 Tetrachloroethene
 Concen: 342.183 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

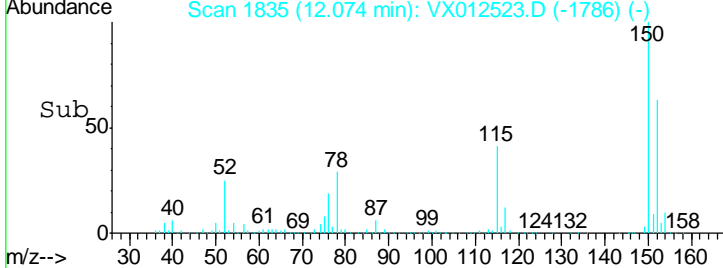
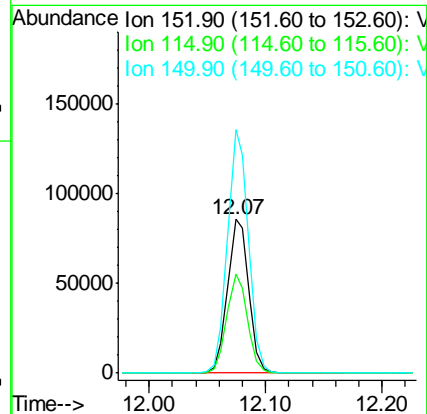
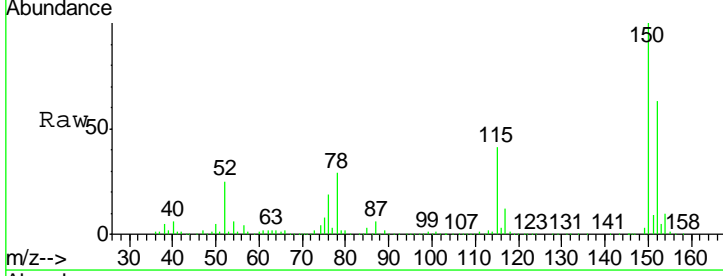
Instrument : MSVOA_X
 ClientSampled : 979-S-1-(18-19)

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.9	107.8	161.6
129	98.5	86.2	129.2
131	94.4	80.4	120.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012523.D
 Acq: 19 Sep 2019 13:14

Tgt Ion	Resp	Lower	Upper
152	100		
115	62.4	44.1	132.3
150	155.4	0.0	343.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 979-S-1-(18-19)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.064	25	29	41	rBV	332055	385791	12.94%	3.246%
2	1.655	106	126	128	rBV2	33071	125655	4.21%	1.057%
3	3.015	340	349	357	rBV	12282	31720	1.06%	0.267%
4	5.490	745	755	769	rBV	92415	261994	8.79%	2.204%
5	5.642	769	780	793	rBV	197377	553094	18.55%	4.654%
6	6.051	835	847	859	rBV	118092	312013	10.46%	2.625%
7	6.849	967	978	996	rVB	279806	672142	22.54%	5.655%
8	8.709	1274	1283	1290	rBV	558174	883852	29.64%	7.436%
9	9.331	1376	1385	1405	rBV	2074982	2981529	100.00%	25.085%
10	10.111	1507	1513	1522	rBV	535954	741730	24.88%	6.241%
11	11.135	1675	1681	1691	rBV	461175	581449	19.50%	4.892%
12	11.525	1740	1745	1752	rVB	25824	36843	1.24%	0.310%
13	12.074	1830	1835	1841	rBV	558592	698026	23.41%	5.873%
14	12.470	1891	1900	1905	rBV	64497	84522	2.83%	0.711%
15	12.940	1972	1977	1983	rBV4	18461	40906	1.37%	0.344%
16	13.318	2035	2039	2042	rBV	84935	101208	3.39%	0.852%
17	13.348	2042	2044	2049	rVB3	29149	34179	1.15%	0.288%
18	13.470	2061	2064	2073	rVB8	22953	55805	1.87%	0.470%
19	13.891	2129	2133	2141	rVB6	29212	59175	1.98%	0.498%
20	14.086	2161	2165	2169	rVB	123415	140924	4.73%	1.186%
21	14.281	2192	2197	2203	rVB7	22679	43920	1.47%	0.370%
22	14.525	2234	2237	2239	rBV3	28511	37246	1.25%	0.313%
23	14.555	2239	2242	2247	rVB3	45272	65428	2.19%	0.550%
24	14.616	2247	2252	2257	rBV5	40615	70298	2.36%	0.591%
25	14.665	2257	2260	2267	rBV2	80767	105411	3.54%	0.887%
26	14.805	2276	2283	2287	rBV	311571	378576	12.70%	3.185%
27	14.848	2287	2290	2293	rVV5	30524	41659	1.40%	0.351%
28	14.897	2293	2298	2301	rVV5	38636	75578	2.53%	0.636%
29	15.159	2336	2341	2344	rBV5	47232	92959	3.12%	0.782%
30	15.238	2350	2354	2356	rBV3	67656	95660	3.21%	0.805%
31	15.269	2356	2359	2363	rVV	174887	230639	7.74%	1.941%
32	15.336	2367	2370	2374	rVB3	82307	107117	3.59%	0.901%
33	15.439	2383	2387	2392	rBV5	41868	65200	2.19%	0.549%
34	15.555	2401	2406	2412	rBV	542440	732728	24.58%	6.165%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 979-S-1-(18-19)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Title : SW846 8260

35	15.634	2417	2419	2423	rVV4	25723	35392	1.19%	0.298%
36	15.958	2468	2472	2478	rVB3	47960	90029	3.02%	0.757%
37	16.067	2487	2490	2493	rBV5	23346	31305	1.05%	0.263%
38	16.104	2493	2496	2501	rVB	74976	115736	3.88%	0.974%
39	16.183	2502	2509	2513	rBV7	51969	152751	5.12%	1.285%
40	16.457	2548	2554	2560	rVB	311664	535347	17.96%	4.504%

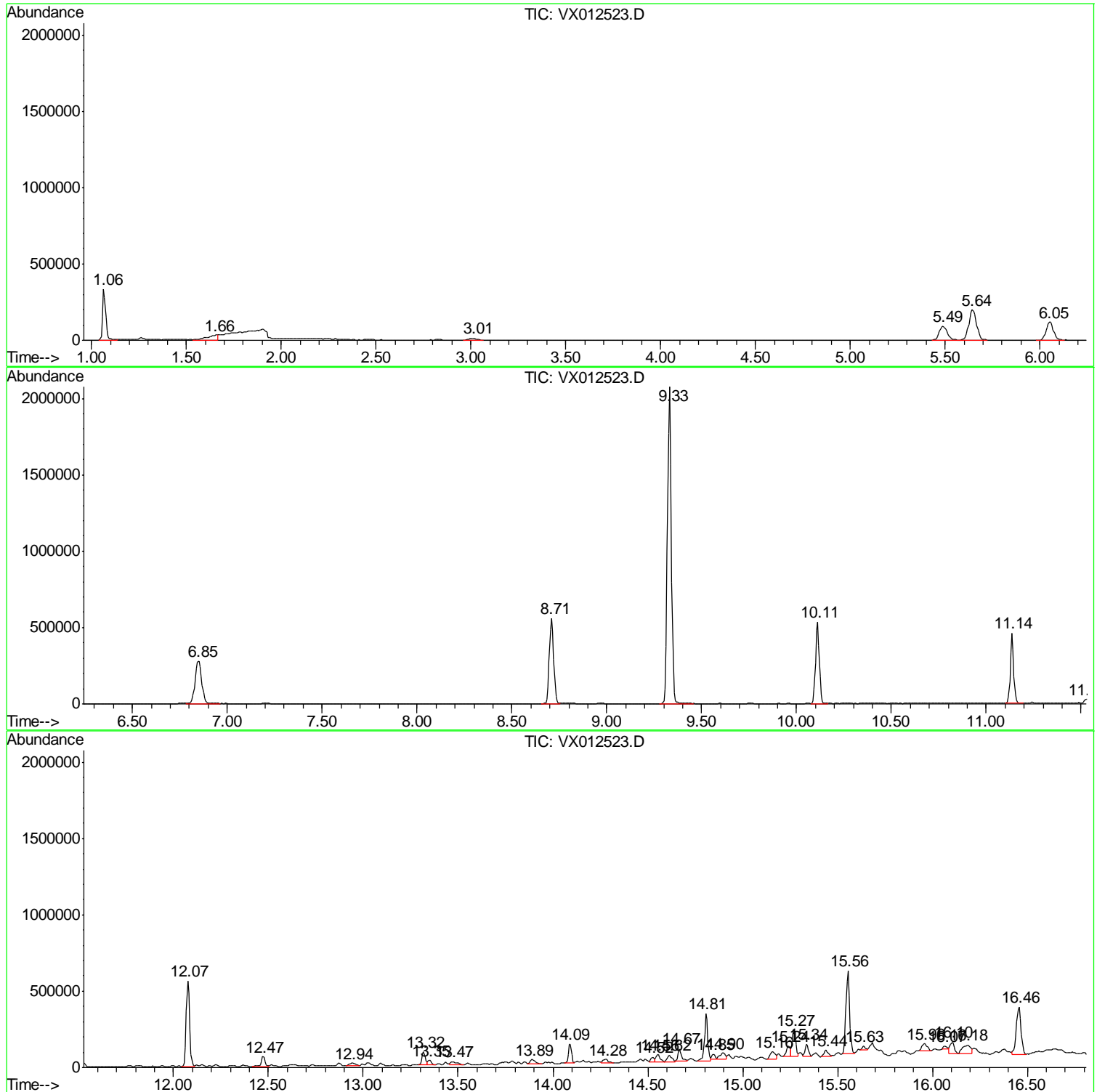
Sum of corrected areas: 11885536

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012523.D
Acq On : 19 Sep 2019 13:14
Operator : JC/SP
Sample : K4888-01
Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
979-S-1-(18-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 979-S-1-(18-19)

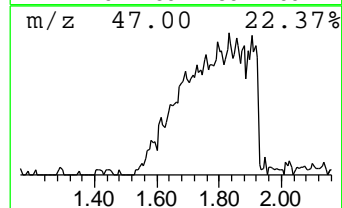
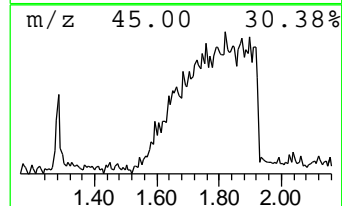
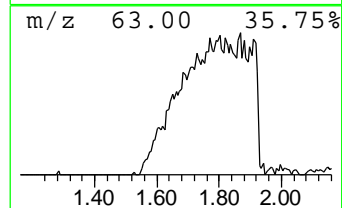
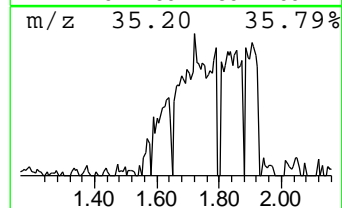
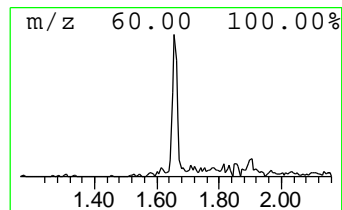
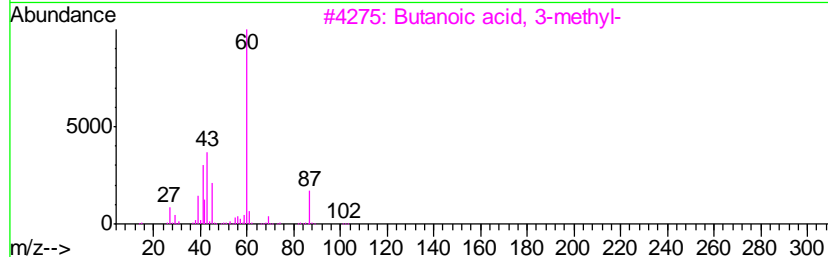
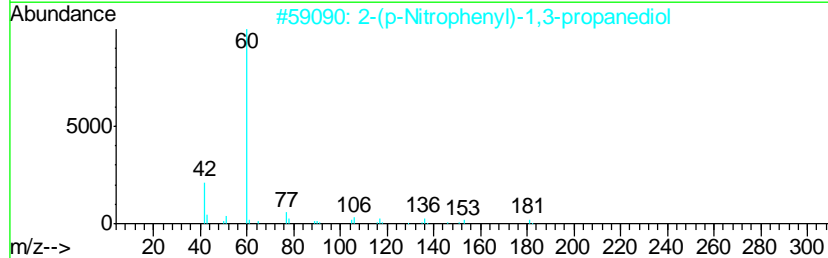
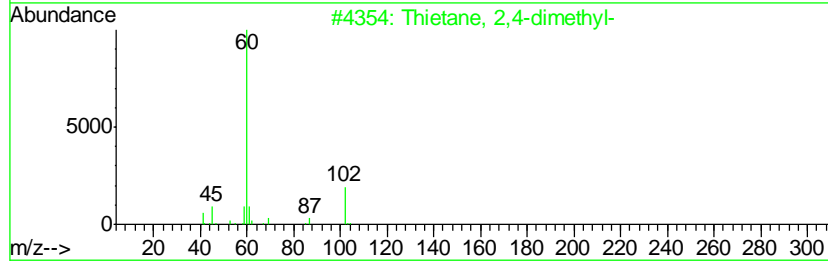
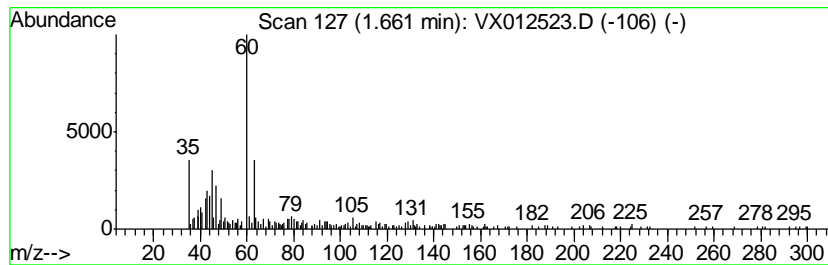
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

 Peak Number 2 unknown1.66 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.66	11.36 ug/l	125655	Pentafluorobenzene	5.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thietane, 2,4-dimethyl-	102	C5H10S	043044-24-2	37
2		2-(p-Nitrophenyl)-1,3-propanediol	197	C9H11NO4	091748-03-7	35
3		Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	27
4		1,3-Propanediol, 2-amino-1-(4-ni...	212	C9H12N2O4	000119-62-0	25
5		N-(4-Methylcyclohexyl)acetamide,...	155	C9H17NO	060504-06-5	25



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 979-S-1-(18-19)

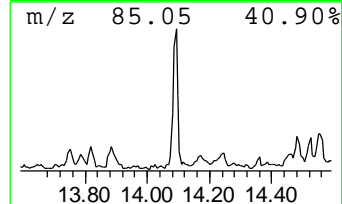
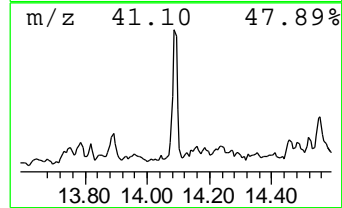
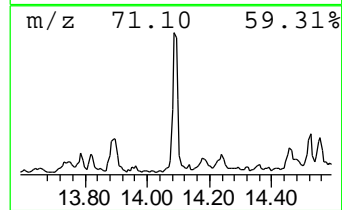
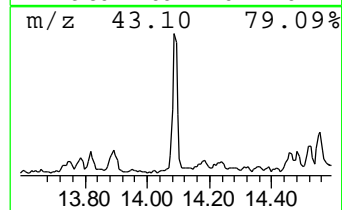
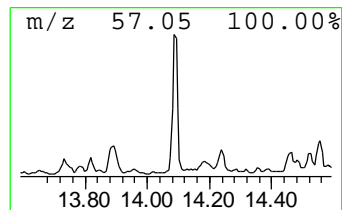
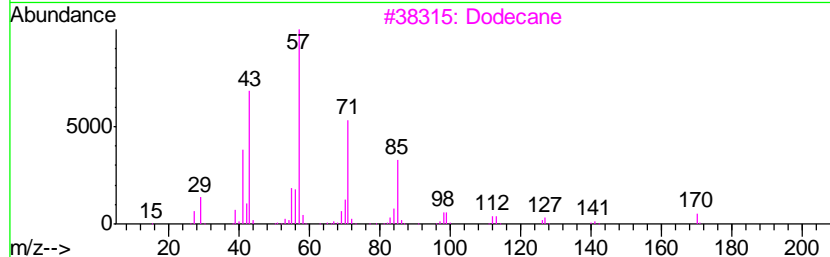
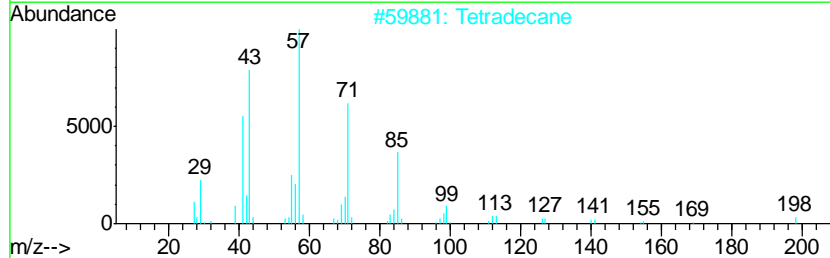
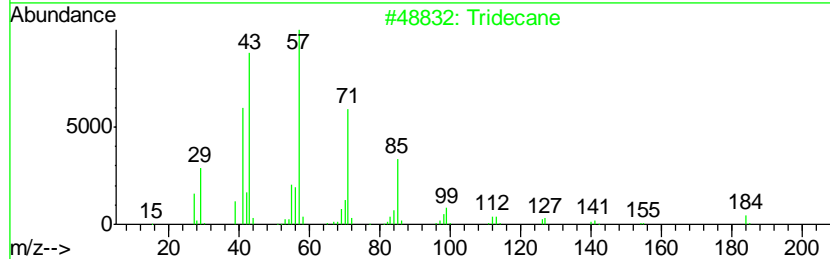
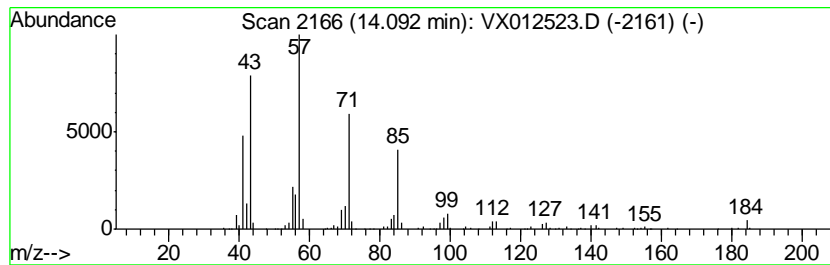
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

 Peak Number 3 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	10.09 ug/l	140924	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	97
2		Tetradecane	198	C14H30	000629-59-4	87
3		Dodecane	170	C12H26	000112-40-3	86
4		Hexadecane	226	C16H34	000544-76-3	83
5		Pentadecane	212	C15H32	000629-62-9	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 979-S-1-(18-19)

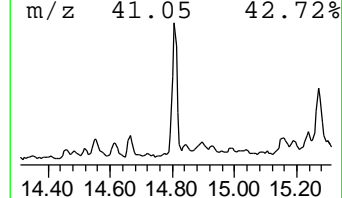
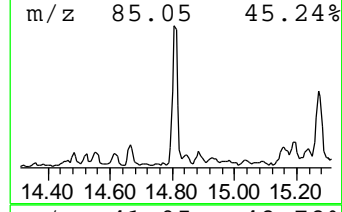
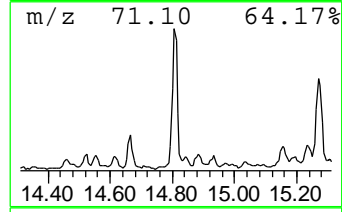
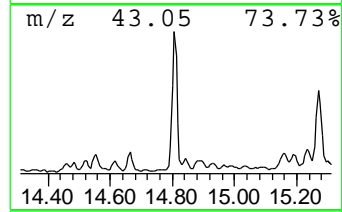
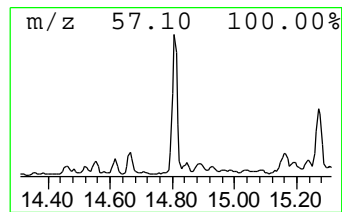
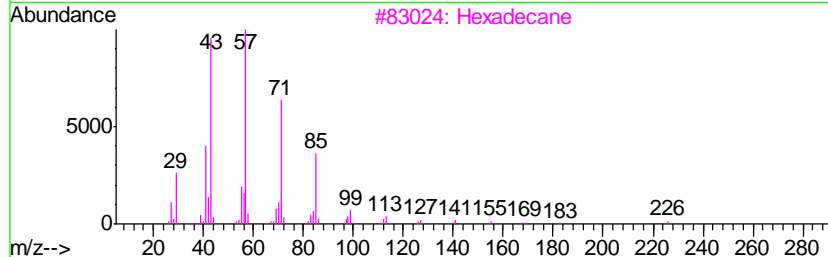
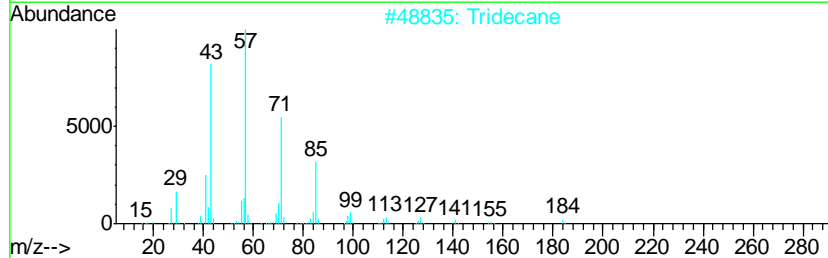
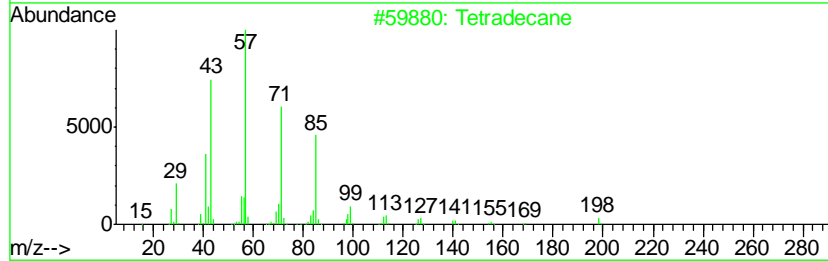
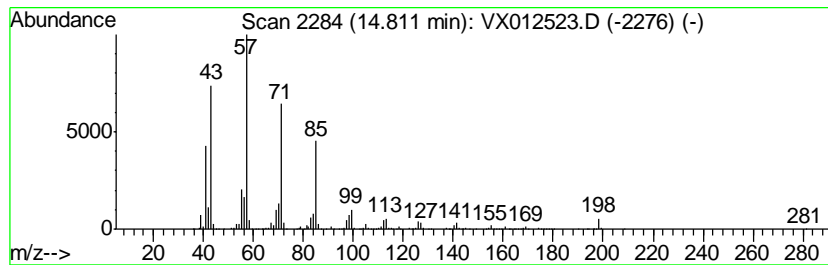
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

 Peak Number 4 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	27.12 ug/l	378576	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	98
2		Tridecane	184	C13H28	000629-50-5	90
3		Hexadecane	226	C16H34	000544-76-3	87
4		Pentadecane	212	C15H32	000629-62-9	86
5		Dodecane	170	C12H26	000112-40-3	86



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 979-S-1-(18-19)

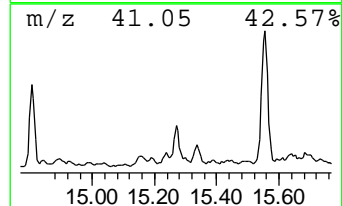
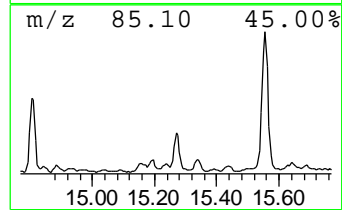
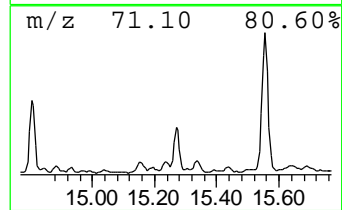
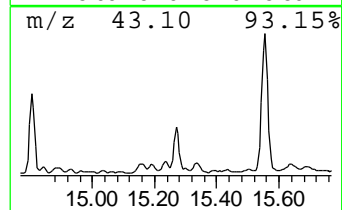
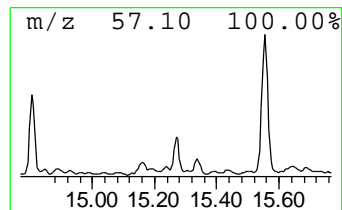
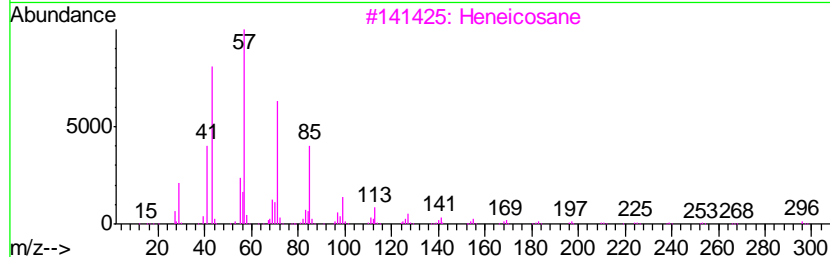
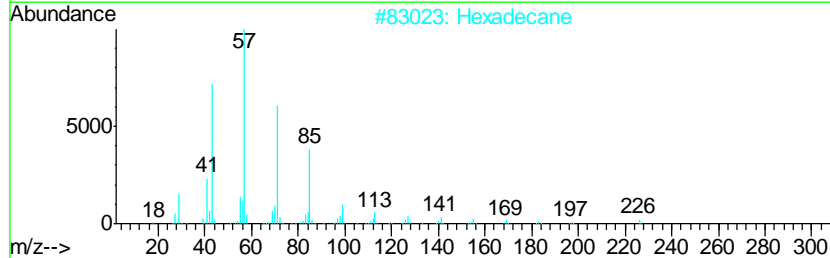
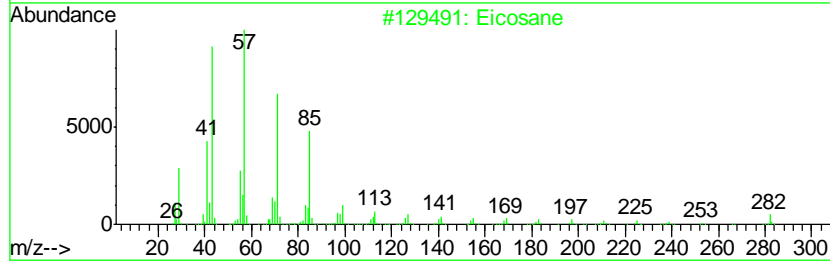
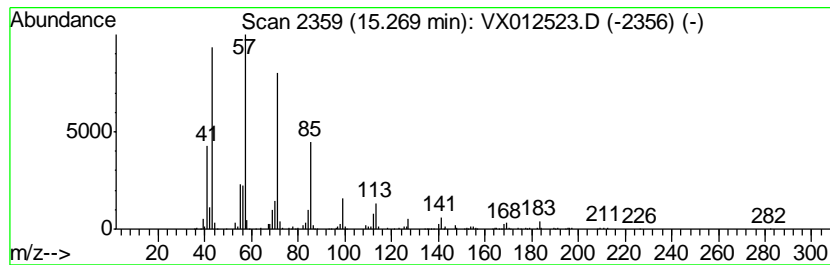
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

 Peak Number 5 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	16.52 ug/l	230639	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	90
2		Hexadecane	226	C16H34	000544-76-3	90
3		Heneicosane	296	C21H44	000629-94-7	90
4		Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
5		Decane, 2-methyl-	156	C11H24	006975-98-0	90



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 979-S-1-(18-19)

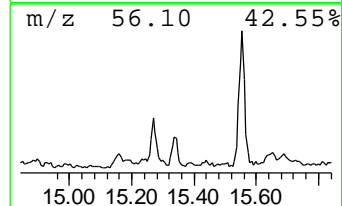
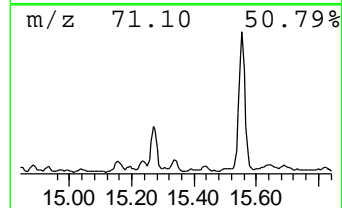
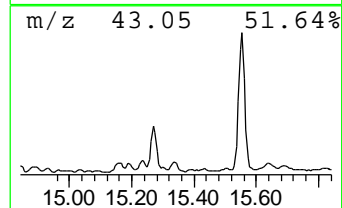
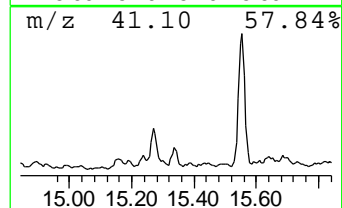
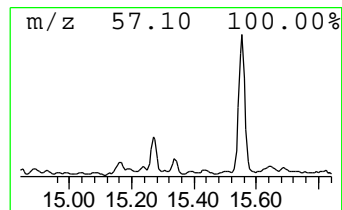
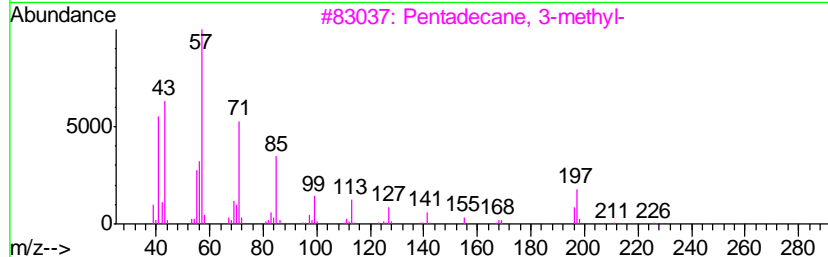
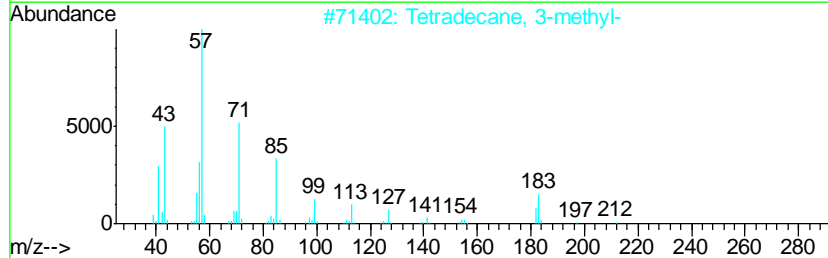
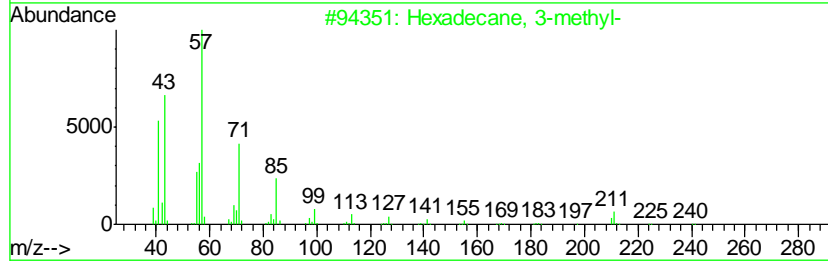
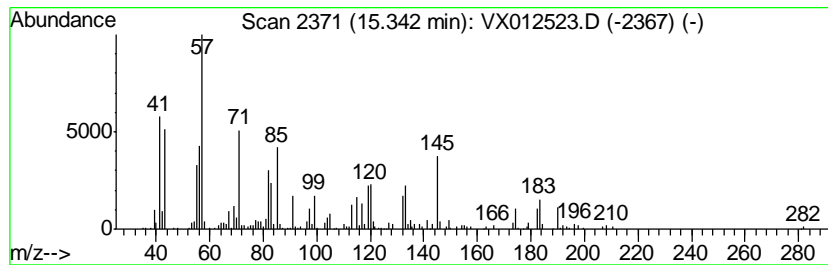
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 Quant Title : SW846 8260

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

 Peak Number 6 unknown15.34 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	7.67 ug/l	107117	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	30
2		Tetradecane, 3-methyl-	212	C15H32	018435-22-8	25
3		Pentadecane, 3-methyl-	226	C16H34	002882-96-4	25
4		Pentadecane, 2-methyl-	226	C16H34	001560-93-6	22
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	22



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 979-S-1-(18-19)

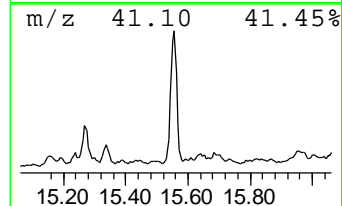
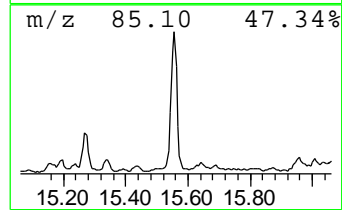
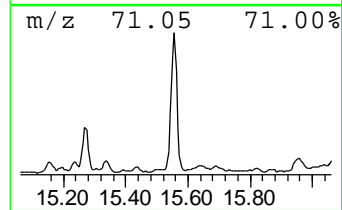
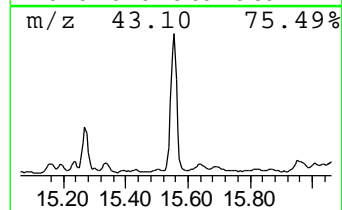
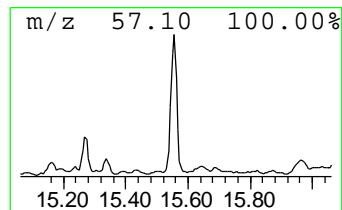
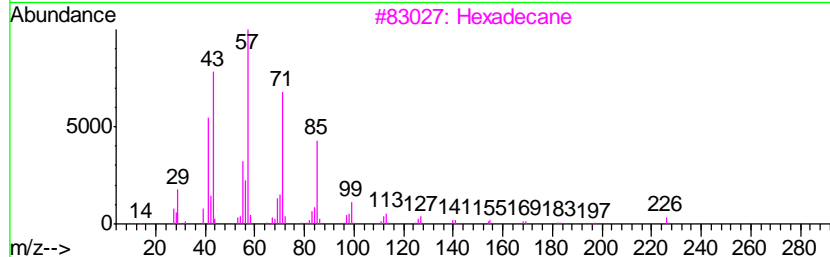
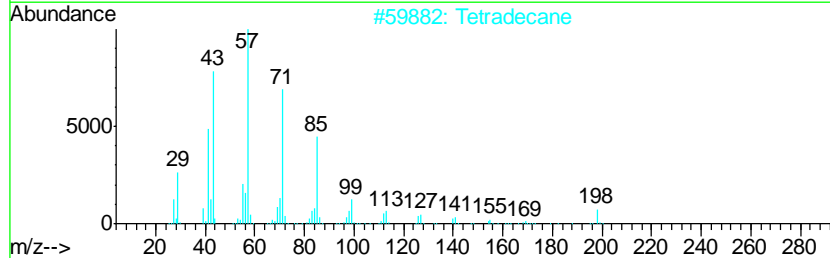
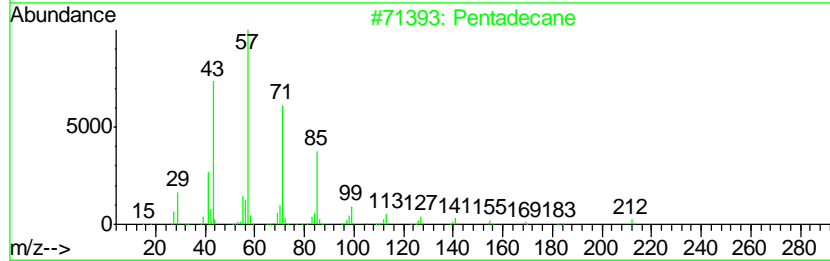
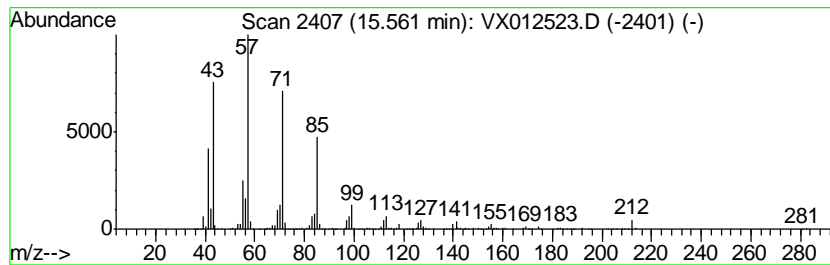
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 Quant Title : SW846 8260

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

 Peak Number 7 Pentadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	52.49 ug/l	732728	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	97
2		Tetradecane	198	C14H30	000629-59-4	91
3		Hexadecane	226	C16H34	000544-76-3	90
4		Tridecane	184	C13H28	000629-50-5	90
5		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 979-S-1-(18-19)

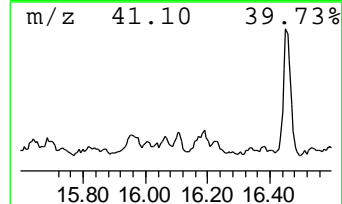
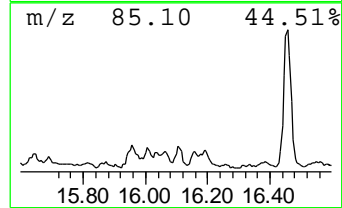
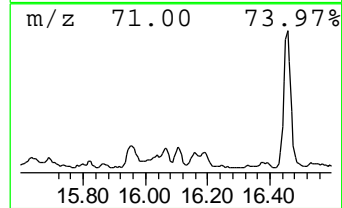
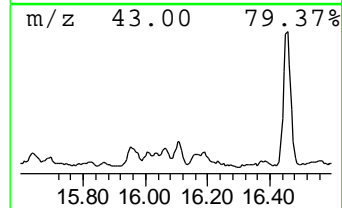
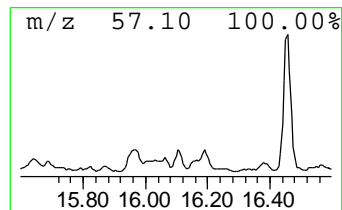
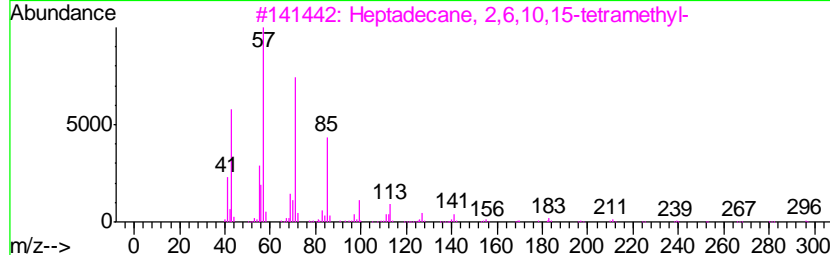
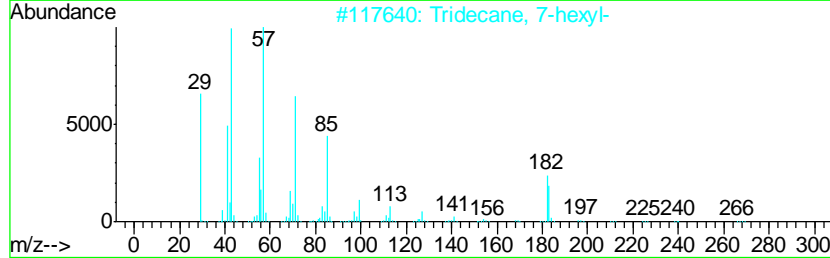
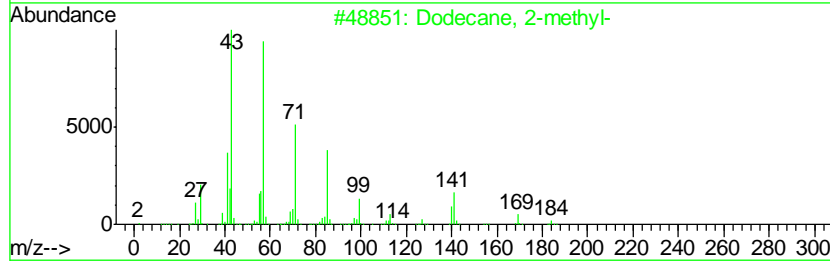
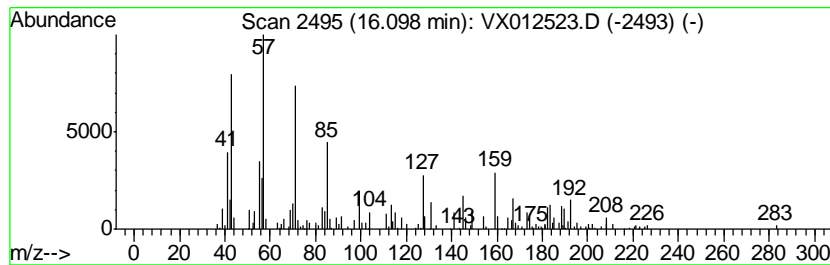
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 Quant Title : SW846 8260

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

 Peak Number 8 Dodecane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	8.29 ug/l	115736	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
2		Tridecane, 7-hexyl-	268	C19H40	007225-66-3	64
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	62
4		Hexacosane	366	C26H54	000630-01-3	62
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	58



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 979-S-1-(18-19)

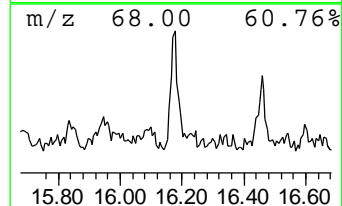
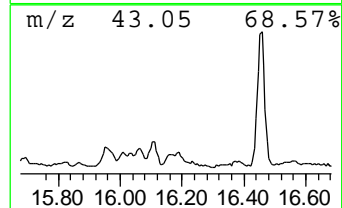
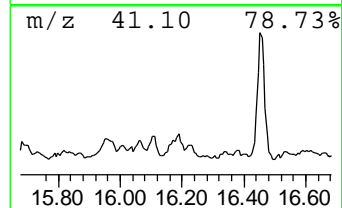
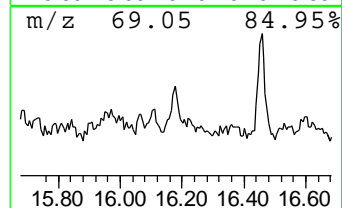
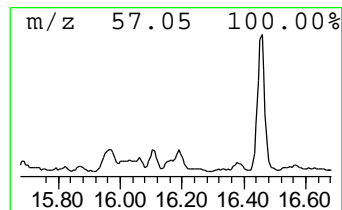
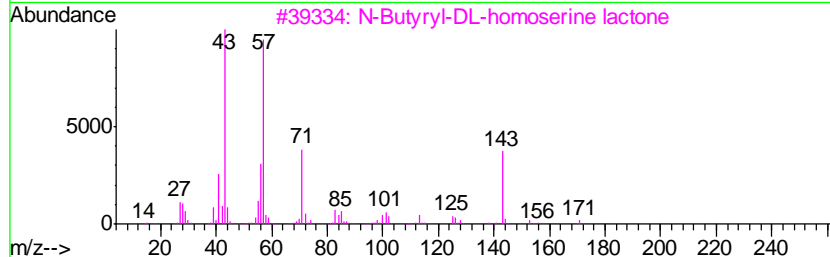
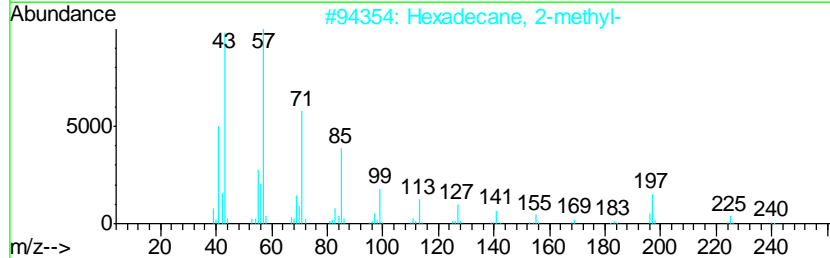
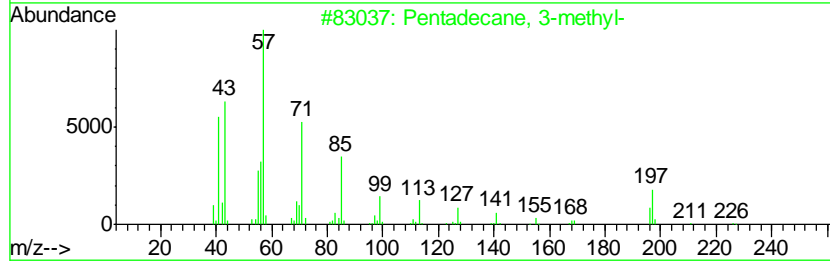
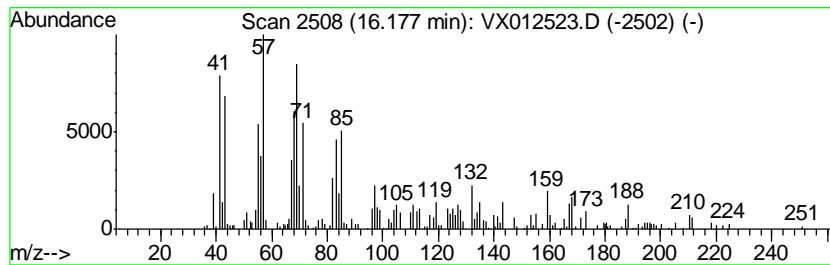
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 Quant Title : SW846 8260

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

 Peak Number 9 unknown16.18 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	10.94 ug/l	152751	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 3-methyl-	226	C16H34	002882-96-4	49
2		Hexadecane, 2-methyl-	240	C17H36	001560-92-5	46
3		N-Butyryl-DL-homoserine lactone	171	C8H13NO3	098426-48-3	46
4		Decane	142	C10H22	000124-18-5	45
5		2,2-Dimethyloctadecane	282	C20H42	1000360-43-2	43



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 979-S-1-(18-19)

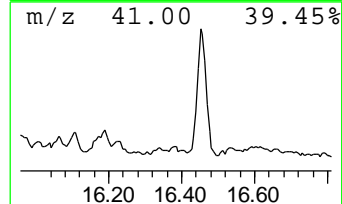
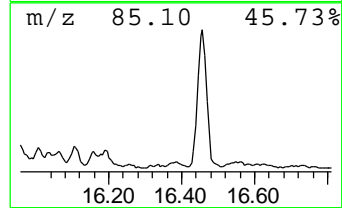
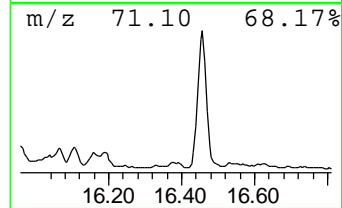
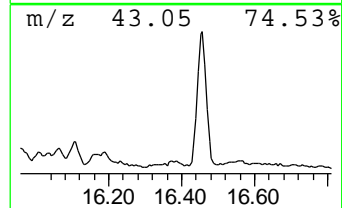
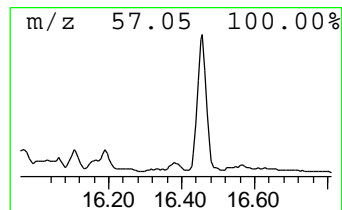
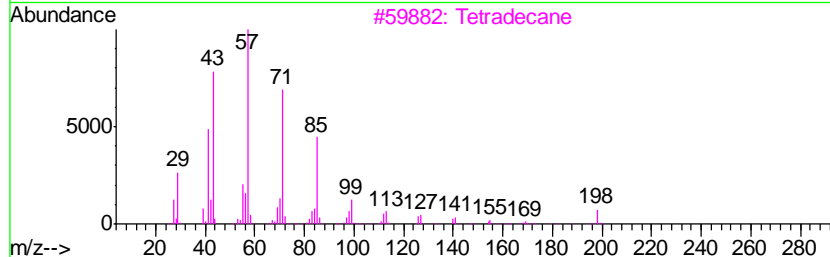
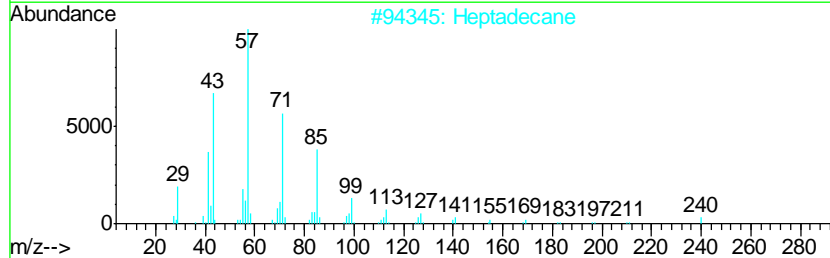
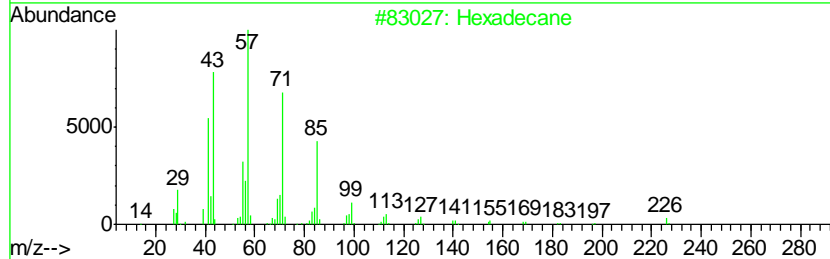
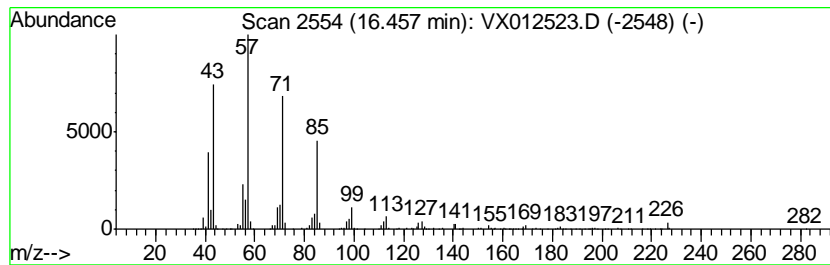
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 Quant Title : SW846 8260

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

 Peak Number 10 Hexadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	38.35 ug/l	535347	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	98
2		Heptadecane	240	C17H36	000629-78-7	91
3		Tetradecane	198	C14H30	000629-59-4	91
4		Pentadecane	212	C15H32	000629-62-9	90
5		Nonadecane	268	C19H40	000629-92-5	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091919\
 Data File : VX012523.D
 Acq On : 19 Sep 2019 13:14
 Operator : JC/SP
 Sample : K4888-01
 Misc : 6.64g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 979-S-1-(18-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown1.66	1.66	11.4	ug/l	125655	1	5.64	553094	50.0
Tridecane	14.09	10.1	ug/l	140924	4	12.07	698026	50.0
Tetradecane	14.81	27.1	ug/l	378576	4	12.07	698026	50.0
Eicosane	15.27	16.5	ug/l	230639	4	12.07	698026	50.0
unknown15.34	15.34	7.7	ug/l	107117	4	12.07	698026	50.0
Pentadecane	15.56	52.5	ug/l	732728	4	12.07	698026	50.0
Dodecane, 2-methyl-	16.10	8.3	ug/l	115736	4	12.07	698026	50.0
unknown16.18	16.18	10.9	ug/l	152751	4	12.07	698026	50.0
Hexadecane	16.46	38.4	ug/l	535347	4	12.07	698026	50.0



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/12/19
Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	979-S-1-(18-19)DL	SDG No.:	K4888
Lab Sample ID:	K4888-01DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.6
Sample Wt/Vol:	6.64 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012550.D	10		09/20/19 12:28	VX092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4100	UD	740	4100	ug/Kg
74-87-3	Chloromethane	4100	UD	1500	4100	ug/Kg
75-01-4	Vinyl Chloride	4100	UD	910	4100	ug/Kg
74-83-9	Bromomethane	4100	UD	310	4100	ug/Kg
75-00-3	Chloroethane	4100	UD	470	4100	ug/Kg
75-69-4	Trichlorofluoromethane	4100	UD	530	4100	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4100	UD	650	4100	ug/Kg
75-35-4	1,1-Dichloroethene	4100	UD	810	4100	ug/Kg
67-64-1	Acetone	20400	UD	6300	20400	ug/Kg
75-15-0	Carbon Disulfide	4100	UD	870	4100	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4100	UD	1100	4100	ug/Kg
79-20-9	Methyl Acetate	4100	UD	2300	4100	ug/Kg
75-09-2	Methylene Chloride	8100	UD	4200	8100	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4100	UD	1000	4100	ug/Kg
75-34-3	1,1-Dichloroethane	4100	UD	740	4100	ug/Kg
110-82-7	Cyclohexane	4100	UD	1500	4100	ug/Kg
78-93-3	2-Butanone	20400	UD	5400	20400	ug/Kg
56-23-5	Carbon Tetrachloride	4100	UD	670	4100	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4100	UD	800	4100	ug/Kg
74-97-5	Bromochloromethane	4100	UD	970	4100	ug/Kg
67-66-3	Chloroform	4100	UD	700	4100	ug/Kg
71-55-6	1,1,1-Trichloroethane	4100	UD	860	4100	ug/Kg
108-87-2	Methylcyclohexane	4100	UD	960	4100	ug/Kg
71-43-2	Benzene	4100	UD	680	4100	ug/Kg
107-06-2	1,2-Dichloroethane	4100	UD	980	4100	ug/Kg
79-01-6	Trichloroethene	4100	UD	760	4100	ug/Kg
78-87-5	1,2-Dichloropropane	4100	UD	1000	4100	ug/Kg
75-27-4	Bromodichloromethane	4100	UD	810	4100	ug/Kg
108-10-1	4-Methyl-2-Pentanone	20400	UD	4600	20400	ug/Kg
108-88-3	Toluene	4100	UD	790	4100	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4100	UD	820	4100	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4100	UD	870	4100	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/12/19
Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	979-S-1-(18-19)DL	SDG No.:	K4888
Lab Sample ID:	K4888-01DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.6
Sample Wt/Vol:	6.64 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012550.D	10		09/20/19 12:28	VX092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4100	UD	1200	4100	ug/Kg
591-78-6	2-Hexanone	20400	UD	6000	20400	ug/Kg
124-48-1	Dibromochloromethane	4100	UD	1100	4100	ug/Kg
106-93-4	1,2-Dibromoethane	4100	UD	1100	4100	ug/Kg
127-18-4	Tetrachloroethene	27200	D	570	4100	ug/Kg
108-90-7	Chlorobenzene	4100	UD	640	4100	ug/Kg
100-41-4	Ethyl Benzene	4100	UD	700	4100	ug/Kg
179601-23-1	m/p-Xylenes	8100	UD	1300	8100	ug/Kg
95-47-6	o-Xylene	4100	UD	890	4100	ug/Kg
100-42-5	Styrene	4100	UD	810	4100	ug/Kg
75-25-2	Bromoform	4100	UD	2700	4100	ug/Kg
98-82-8	Isopropylbenzene	4100	UD	710	4100	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4100	UD	890	4100	ug/Kg
541-73-1	1,3-Dichlorobenzene	4100	UD	870	4100	ug/Kg
106-46-7	1,4-Dichlorobenzene	4100	UD	860	4100	ug/Kg
95-50-1	1,2-Dichlorobenzene	4100	UD	1000	4100	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4100	UD	2700	4100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4100	UD	910	4100	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4100	UD	1000	4100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.6		56 - 120	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	51.1		67 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		33 - 141	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	5.65			
540-36-3	1,4-Difluorobenzene	280000	6.85			
3114-55-4	Chlorobenzene-d5	229000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	86300	12.07			



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/12/19
Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	979-S-1-(18-19)DL	SDG No.:	K4888
Lab Sample ID:	K4888-01DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.6
Sample Wt/Vol:	6.64 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012550.D	10		09/20/19 12:28	VX092019

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012550.D
 Acq On : 20 Sep 2019 12:28
 Operator : JC/SP
 Sample : K4888-01DL 10X
 Misc : 6.64g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 979-S-1-(18-19)DL

Quant Time: Sep 20 16:34:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

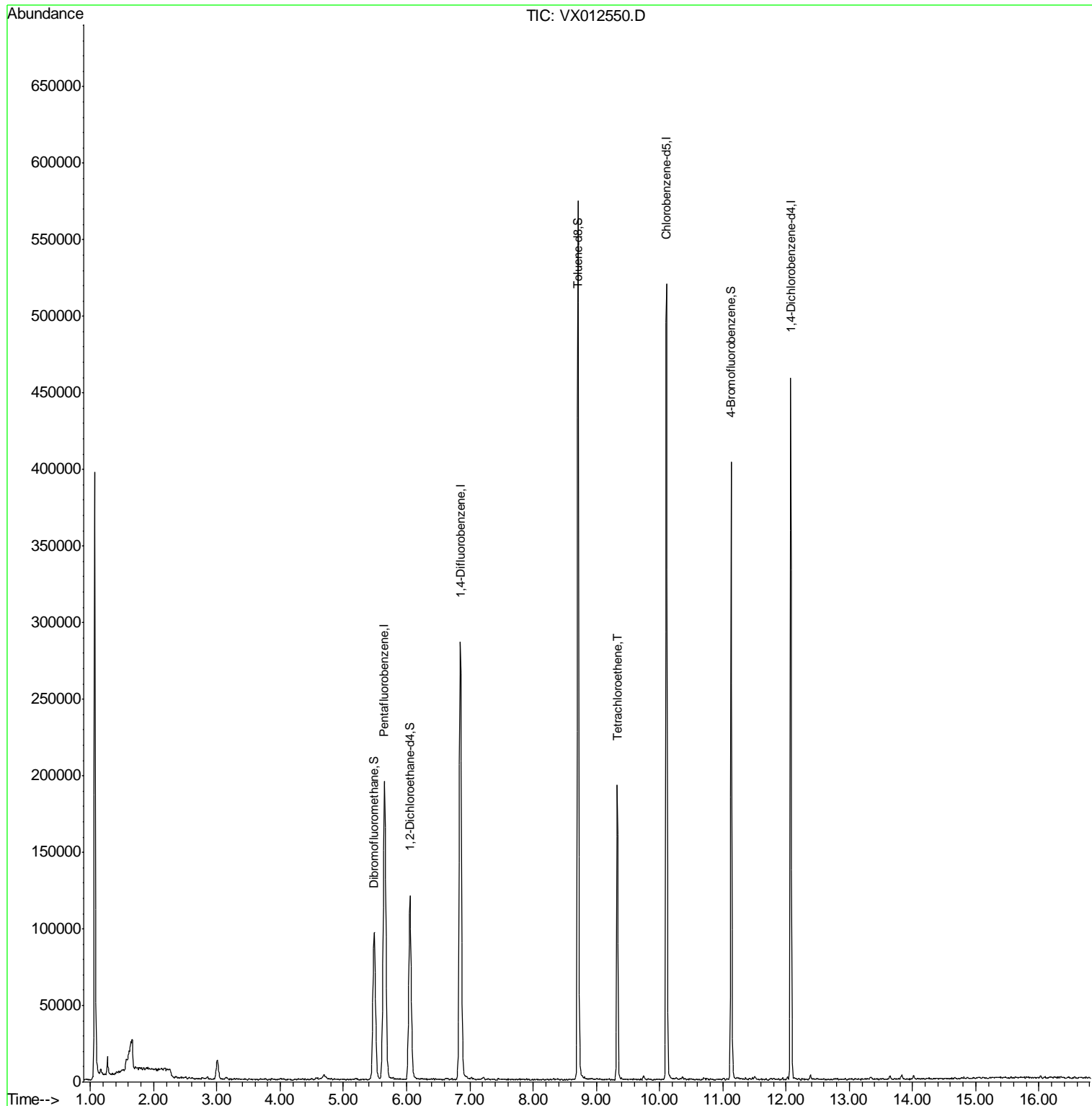
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86296	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	117115	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
35) Dibromofluoromethane	5.49	113	82755	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	8.71	98	320310	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.14	95	110545	42.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.00%	
Target Compounds						Qvalue
64) Tetrachloroethene	9.33	164	35139	33.422	ug/l	91

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

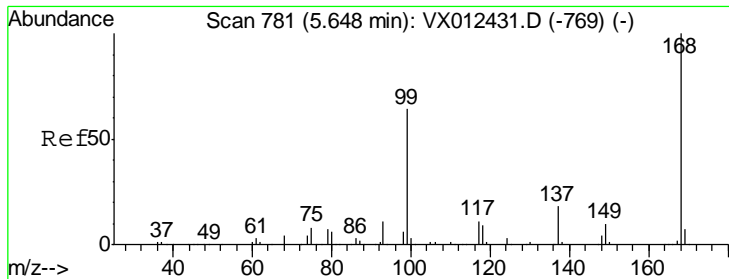
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012550.D
 Acq On : 20 Sep 2019 12:28
 Operator : JC/SP
 Sample : K4888-01DL 10X
 Misc : 6.64µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
ClientSampleId :
 979-S-1-(18-19)DL

Quant Time: Sep 20 16:34:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration



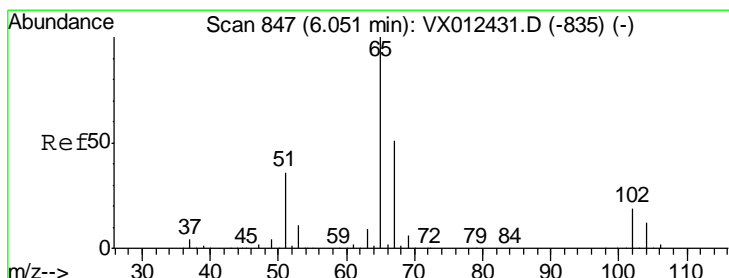
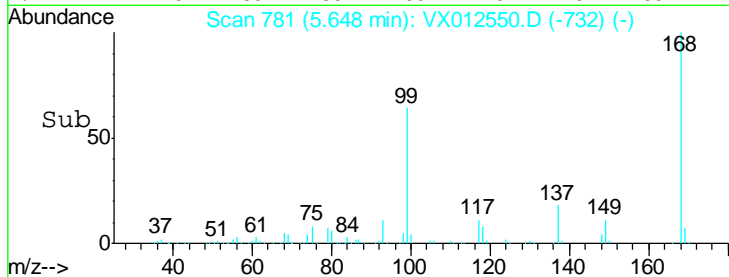
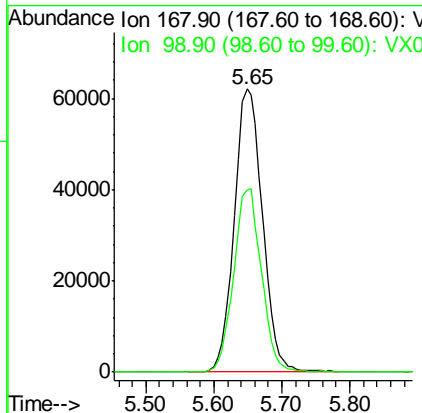
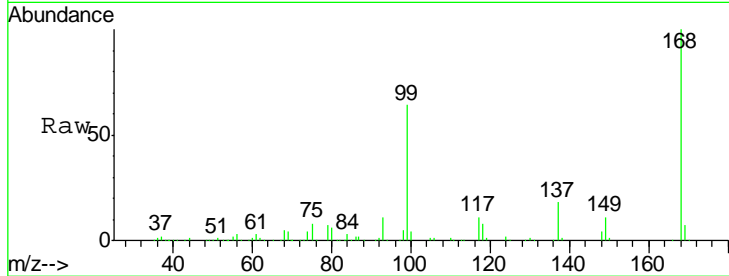
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX012550.D
 Acq: 20 Sep 2019 12:28

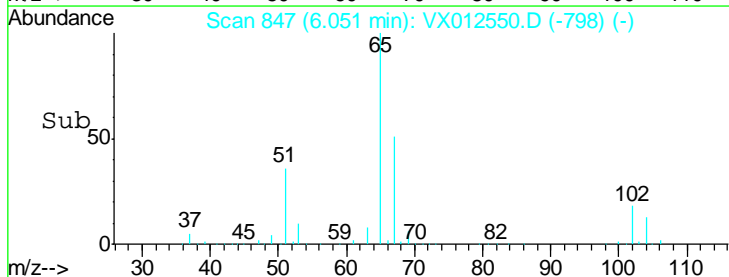
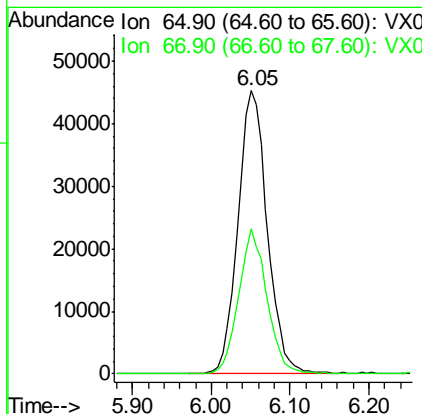
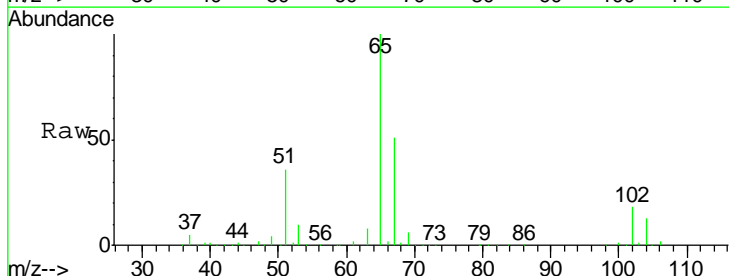
Instrument : MSVOA_X
 ClientSampleId : 979-S-1-(18-19)DL

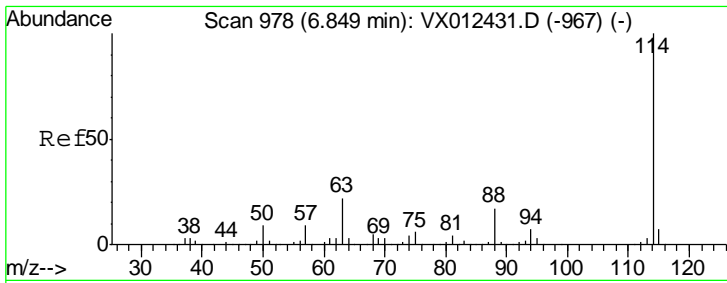
Tgt Ion	Resp	Lower	Upper
168	100		
99	64.2	51.4	77.2



#33
 1,2-Dichloroethane-d4
 Concen: 45.553 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012550.D
 Acq: 20 Sep 2019 12:28

Tgt Ion	Resp	Lower	Upper
65	100		
67	49.6	0.0	101.2

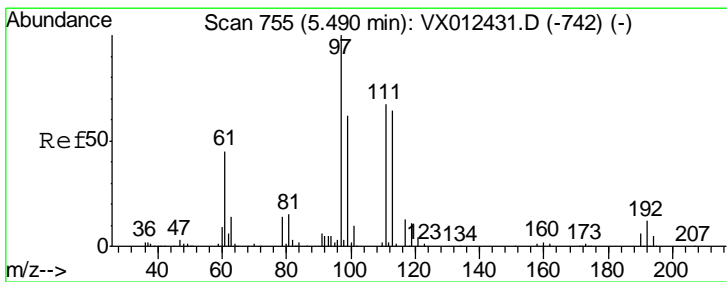
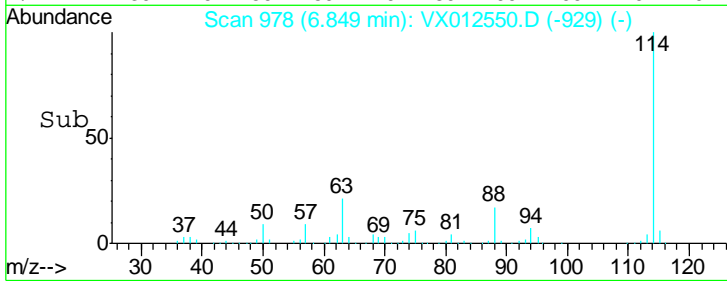
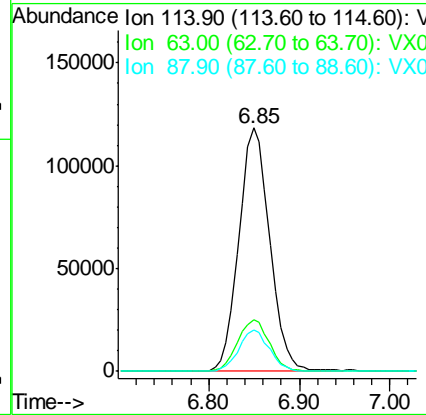
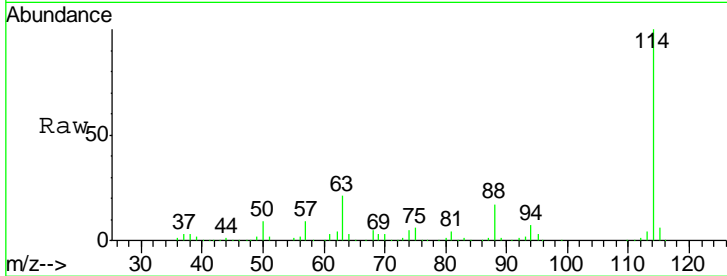




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012550.D
 Acq: 20 Sep 2019 12:28

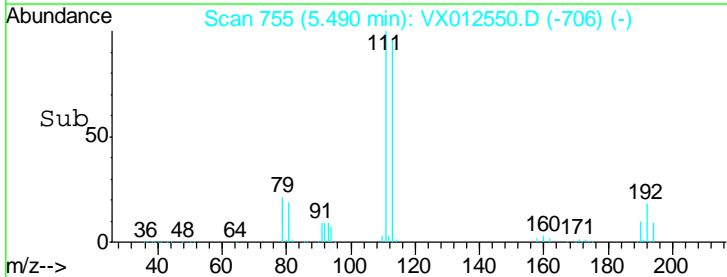
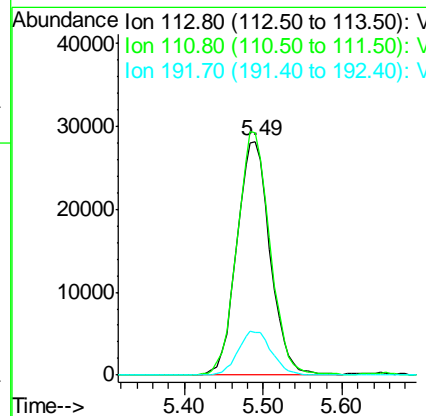
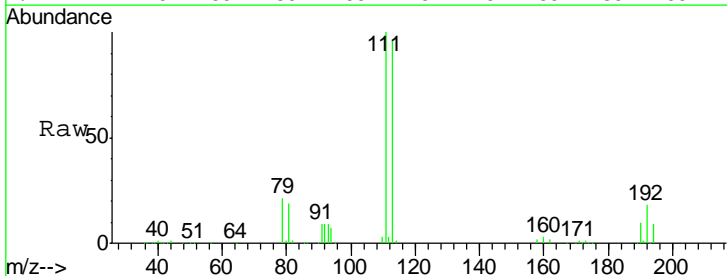
Instrument : MSVOA_X
 ClientSampleId : 979-S-1-(18-19)DL

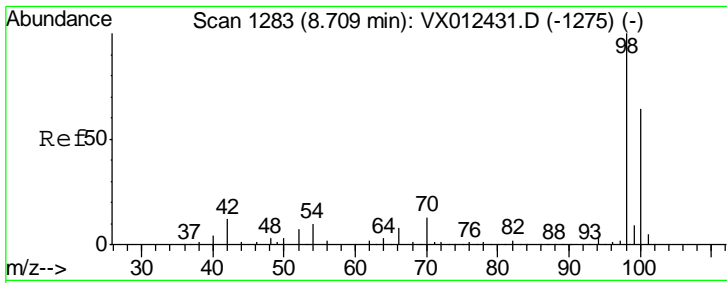
Tgt Ion	Resp	Lower	Upper
114	279620		
63	21.0	0.0	43.2
88	16.9	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.897 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012550.D
 Acq: 20 Sep 2019 12:28

Tgt Ion	Resp	Lower	Upper
113	82755		
111	102.8	83.4	125.2
192	18.8	14.4	21.6

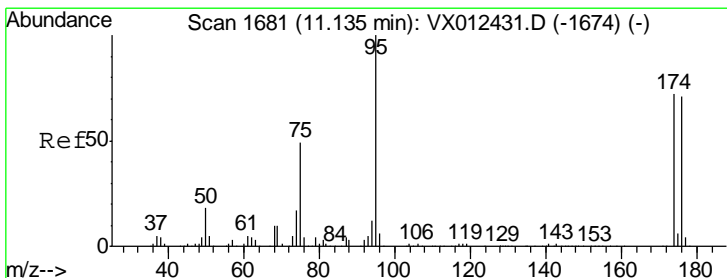
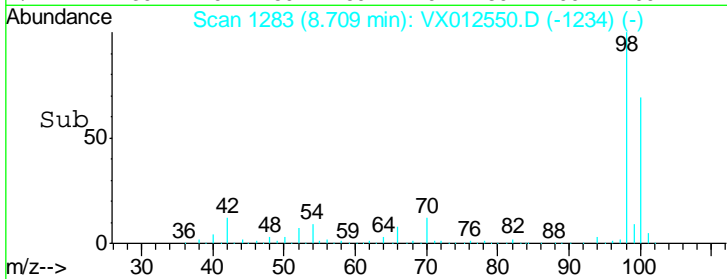
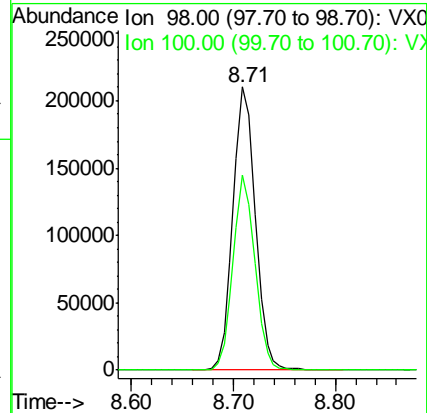
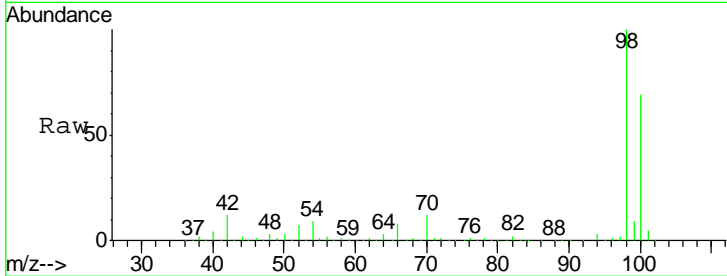




#50
 Toluene-d8
 Concen: 51.132 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012550.D
 Acq: 20 Sep 2019 12:28

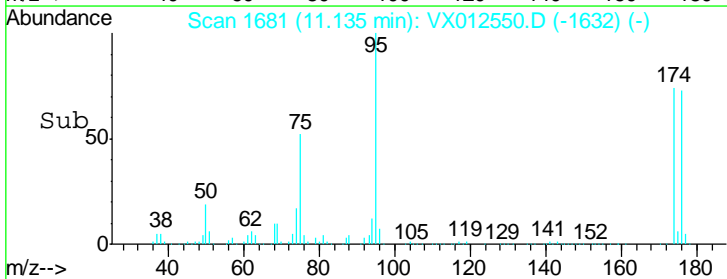
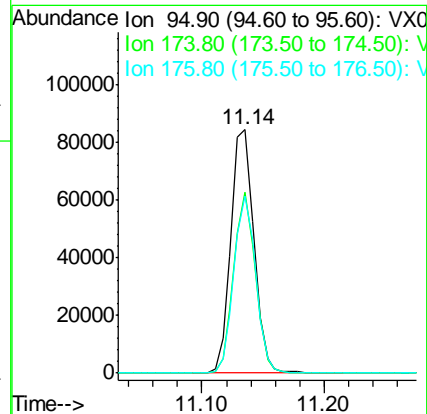
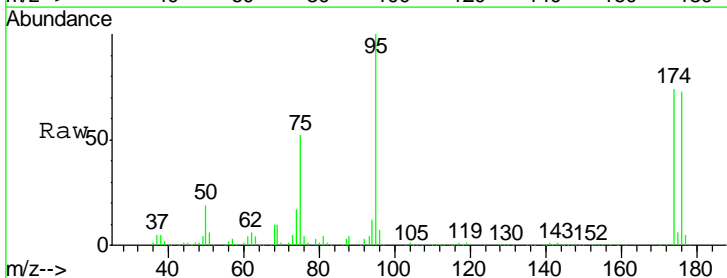
Instrument : MSVOA_X
 ClientSampleId : 979-S-1-(18-19)DL

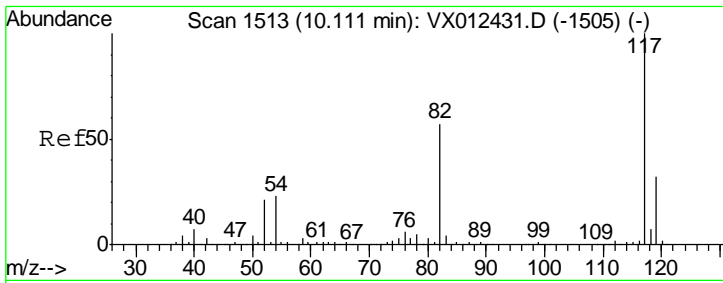
Tgt Ion	Resp	Lower	Upper
98	320310		
98	100		
100	67.3	53.4	80.2



#62
 4-Bromofluorobenzene
 Concen: 42.500 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012550.D
 Acq: 20 Sep 2019 12:28

Tgt Ion	Resp	Lower	Upper
95	110545		
95	100		
174	69.6	0.0	140.0
176	69.0	0.0	135.4

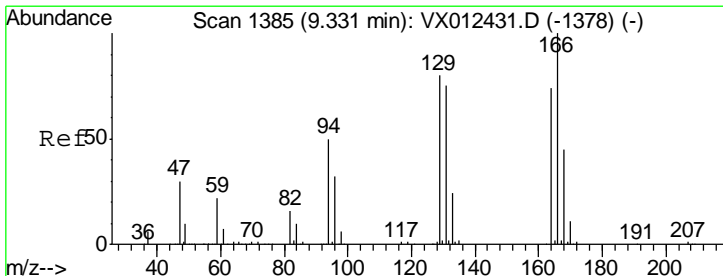
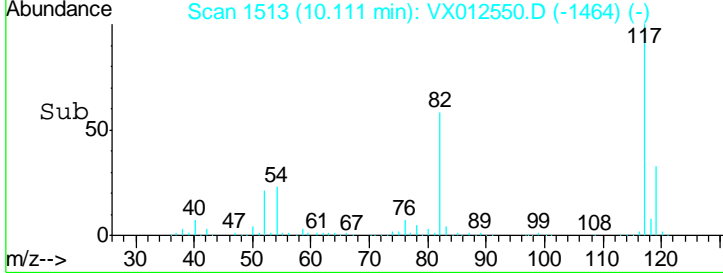
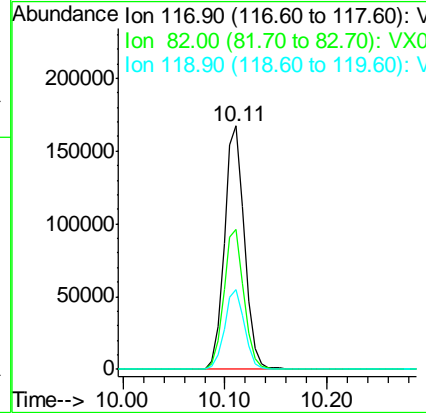
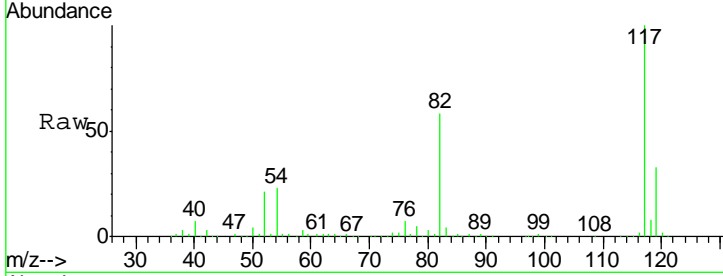




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012550.D
 Acq: 20 Sep 2019 12:28

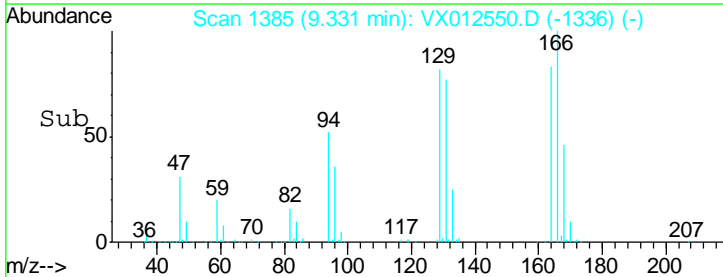
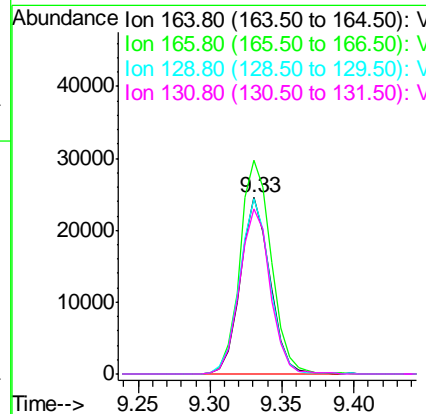
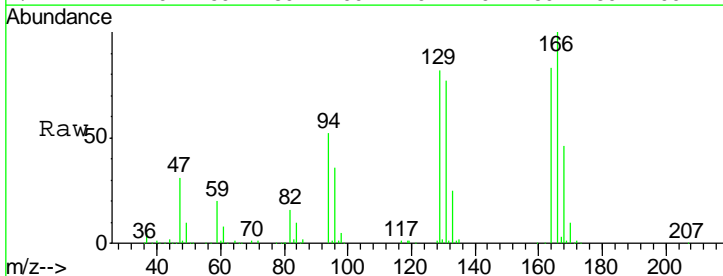
Instrument : MSVOA_X
 ClientSampleId : 979-S-1-(18-19)DL

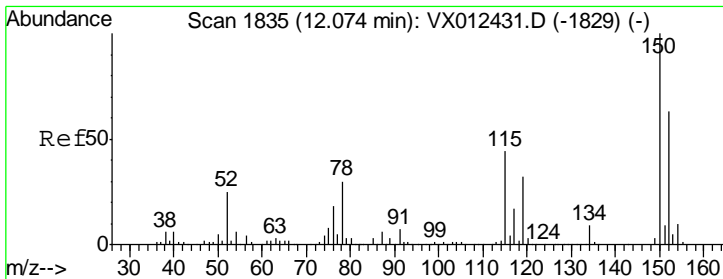
Tgt Ion	Resp	Lower	Upper
117	100		
82	57.5	45.9	68.9
119	32.9	25.3	37.9



#64
 Tetrachloroethene
 Concen: 33.422 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012550.D
 Acq: 20 Sep 2019 12:28

Tgt Ion	Resp	Lower	Upper
164	100		
166	121.1	107.8	161.6
129	99.6	86.2	129.2
131	93.6	80.4	120.6

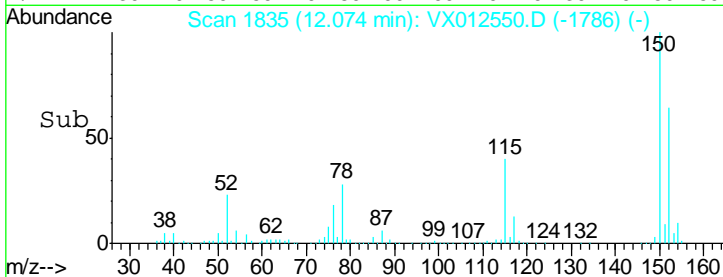
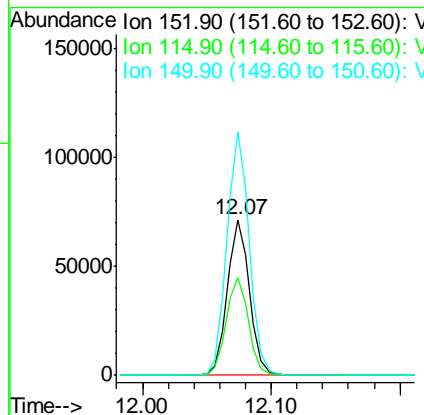
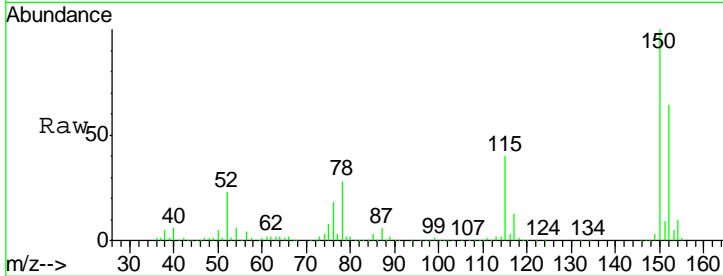




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012550.D
 Acq: 20 Sep 2019 12:28

Instrument : MSVOA_X
 ClientSampled : 979-S-1-(18-19)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	63.6	44.1	132.3
150	158.7	0.0	343.8



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/12/19
Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	980-B-1-(24)	SDG No.:	K4888
Lab Sample ID:	K4888-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.1
Sample Wt/Vol:	5.68 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013185.D	1		09/20/19 16:41	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.20	U	0.95	5.20	ug/Kg
74-87-3	Chloromethane	5.20	U	1.90	5.20	ug/Kg
75-01-4	Vinyl Chloride	5.20	U	1.20	5.20	ug/Kg
74-83-9	Bromomethane	5.20	U	0.40	5.20	ug/Kg
75-00-3	Chloroethane	5.20	U	0.60	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	5.20	U	0.68	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.20	U	0.84	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	5.20	U	1.00	5.20	ug/Kg
67-64-1	Acetone	26.2	U	8.10	26.2	ug/Kg
75-15-0	Carbon Disulfide	5.20	U	1.10	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.20	U	1.50	5.20	ug/Kg
79-20-9	Methyl Acetate	5.20	U	2.90	5.20	ug/Kg
75-09-2	Methylene Chloride	10.5	U	5.50	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.20	U	1.30	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	5.20	U	0.95	5.20	ug/Kg
110-82-7	Cyclohexane	5.20	U	1.90	5.20	ug/Kg
78-93-3	2-Butanone	26.2	UQ	7.00	26.2	ug/Kg
56-23-5	Carbon Tetrachloride	5.20	U	0.87	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.20	U	1.00	5.20	ug/Kg
74-97-5	Bromochloromethane	5.20	U	1.30	5.20	ug/Kg
67-66-3	Chloroform	5.20	U	0.91	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.20	U	1.10	5.20	ug/Kg
108-87-2	Methylcyclohexane	5.20	U	1.20	5.20	ug/Kg
71-43-2	Benzene	5.20	U	0.88	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	5.20	U	1.30	5.20	ug/Kg
79-01-6	Trichloroethene	5.20	U	0.98	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	5.20	U	1.30	5.20	ug/Kg
75-27-4	Bromodichloromethane	5.20	U	1.00	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26.2	UQ	5.90	26.2	ug/Kg
108-88-3	Toluene	3.30	J	1.00	5.20	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.20	U	1.10	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.20	U	1.10	5.20	ug/Kg



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/12/19
Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	980-B-1-(24)	SDG No.:	K4888
Lab Sample ID:	K4888-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.1
Sample Wt/Vol:	5.68 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013185.D	1		09/20/19 16:41	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.20	U	1.50	5.20	ug/Kg
591-78-6	2-Hexanone	26.2	UQ	7.70	26.2	ug/Kg
124-48-1	Dibromochloromethane	5.20	U	1.40	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	5.20	U	1.40	5.20	ug/Kg
127-18-4	Tetrachloroethene	19.6		0.73	5.20	ug/Kg
108-90-7	Chlorobenzene	5.20	U	0.83	5.20	ug/Kg
100-41-4	Ethyl Benzene	5.20	U	0.90	5.20	ug/Kg
179601-23-1	m/p-Xylenes	10.5	U	1.70	10.5	ug/Kg
95-47-6	o-Xylene	5.20	U	1.20	5.20	ug/Kg
100-42-5	Styrene	5.20	U	1.00	5.20	ug/Kg
75-25-2	Bromoform	5.20	U	3.40	5.20	ug/Kg
98-82-8	Isopropylbenzene	5.20	U	0.91	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.20	U	1.10	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.20	U	1.10	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.20	U	1.10	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.20	U	1.30	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.20	UQ	3.50	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.20	U	1.20	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.20	U	1.30	5.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		56 - 120	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	49.7		67 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		33 - 141	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327000	7.94			
540-36-3	1,4-Difluorobenzene	489000	8.84			
3114-55-4	Chlorobenzene-d5	406000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
000106-97-8	Butane	10.9	J		2.35	ug/Kg

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013185.D
 Acq On : 20 Sep 2019 16:41
 Operator : SY/VA
 Sample : K4888-02
 Misc : 5.68G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 980-B-1-(24)

Quant Time: Sep 20 17:06:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

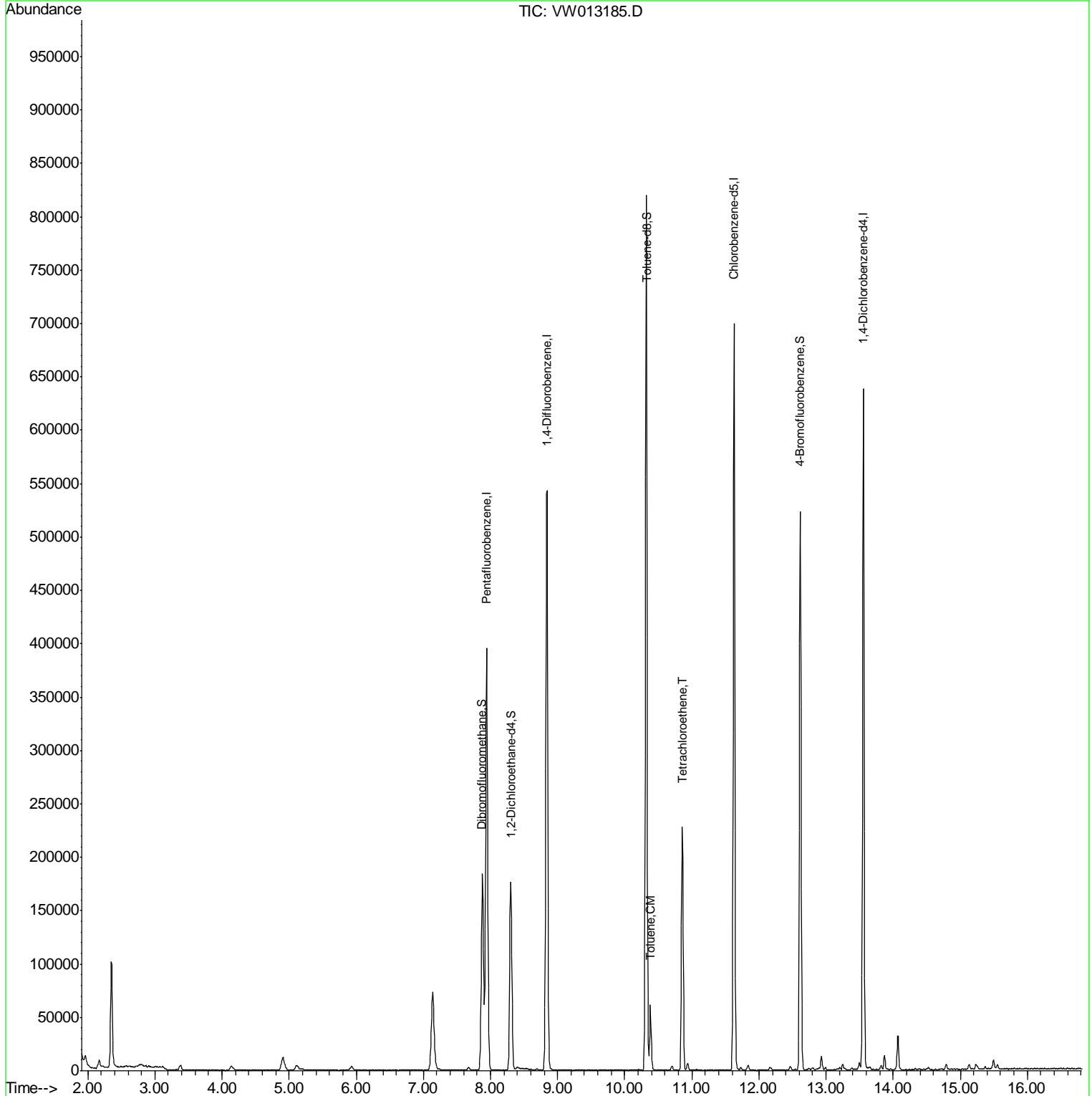
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	326806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	489313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	178647	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	135578	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	7.88	113	135242	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.32	98	559636	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.62	95	174836	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
Target Compounds						
52) Toluene	10.38	92	26612	3.141	ug/l	99
64) Tetrachloroethene	10.86	164	57569	18.701	ug/l	97

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

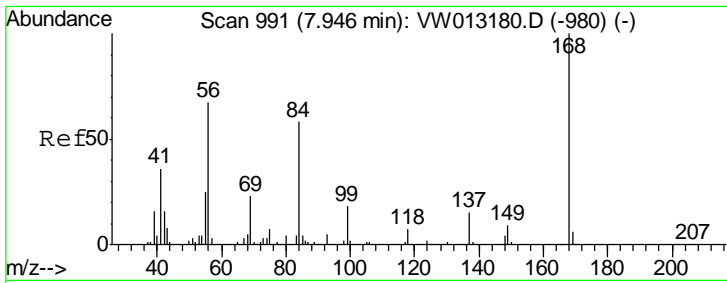
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013185.D
 Acq On : 20 Sep 2019 16:41
 Operator : SY/VA
 Sample : K4888-02
 Misc : 5.68G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampleId :
 980-B-1-(24)

Quant Time: Sep 20 17:06:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



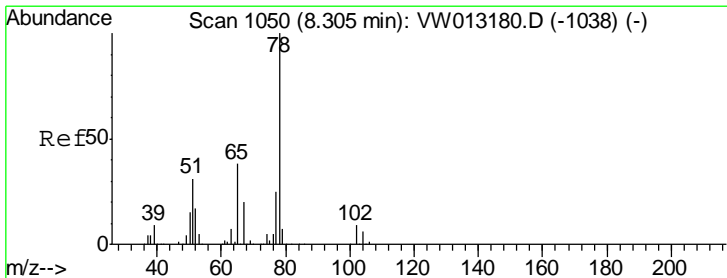
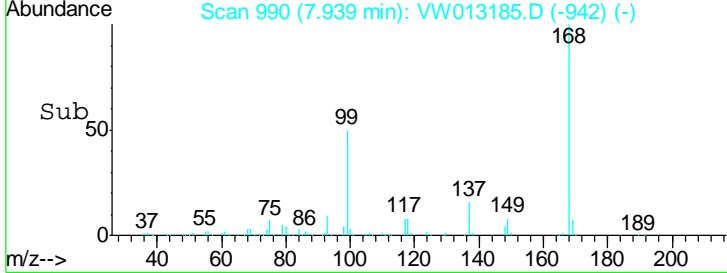
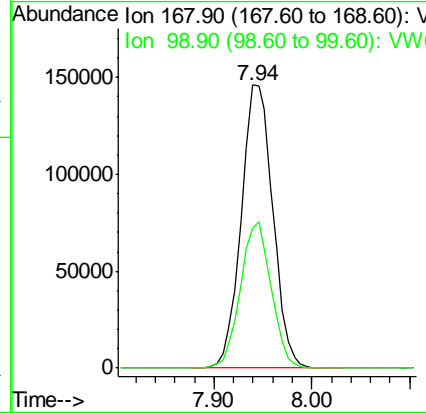
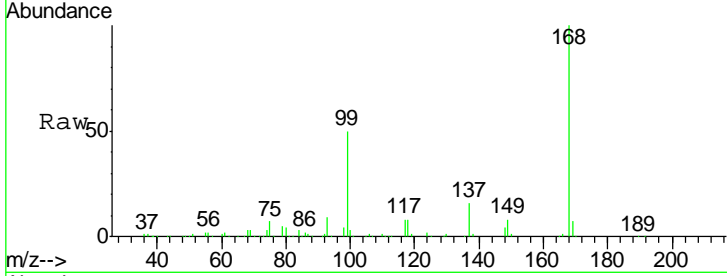
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

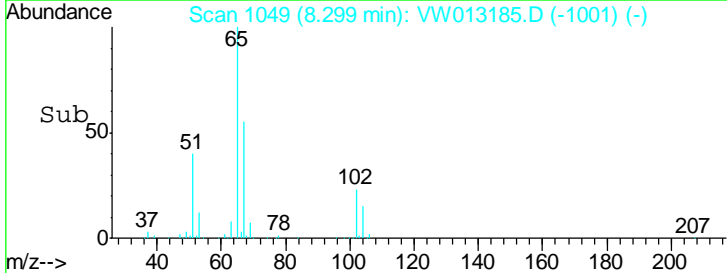
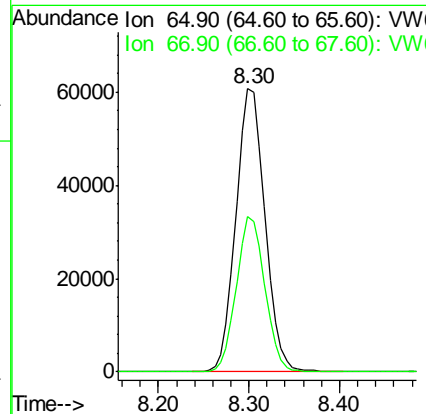
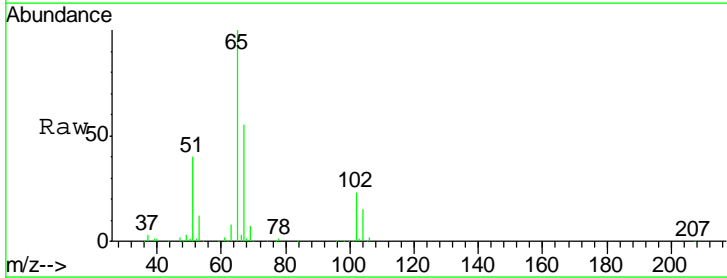
Instrument : MSVOA_W
 ClientSampled : 980-B-1-(24)

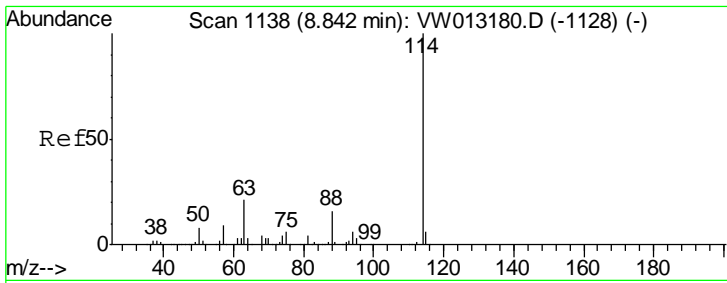
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.6	40.2	60.4



#33
 1,2-Dichloroethane-d4
 Concen: 50.831 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.6	0.0	106.2

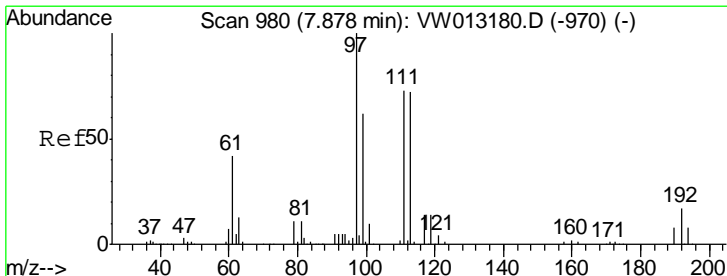
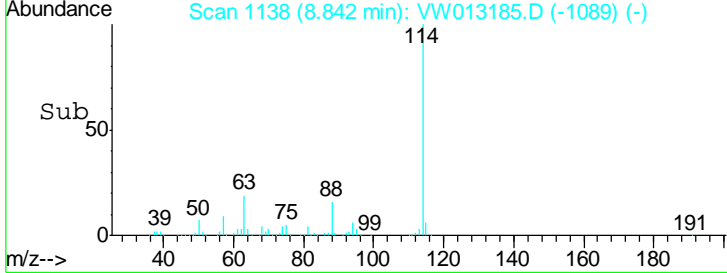
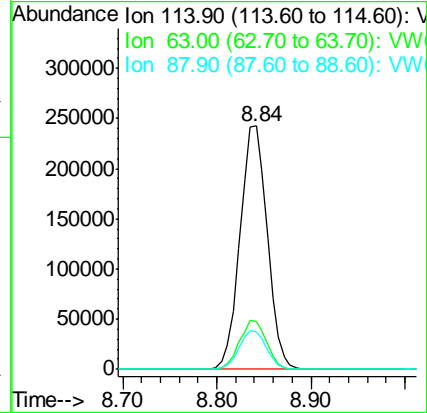
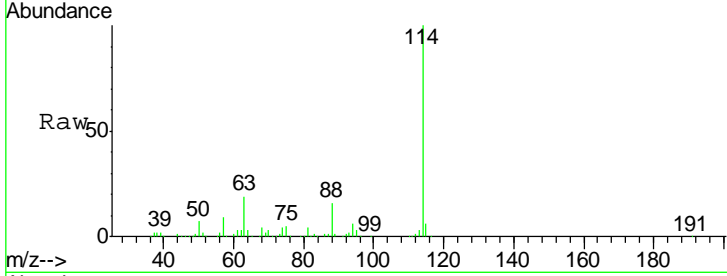




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

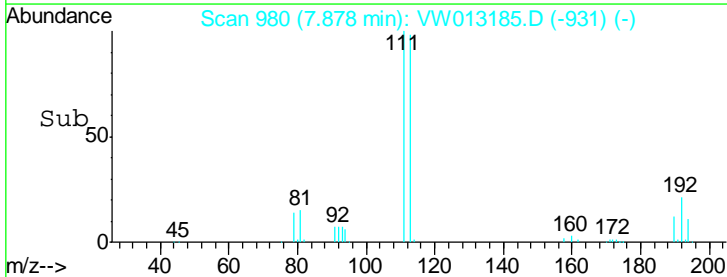
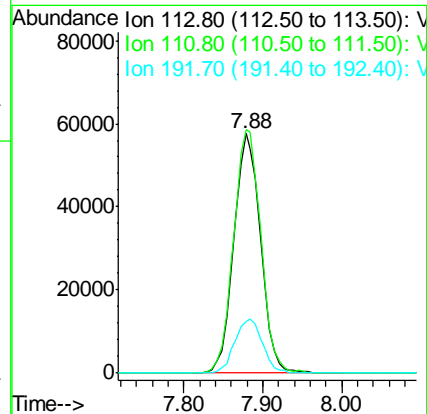
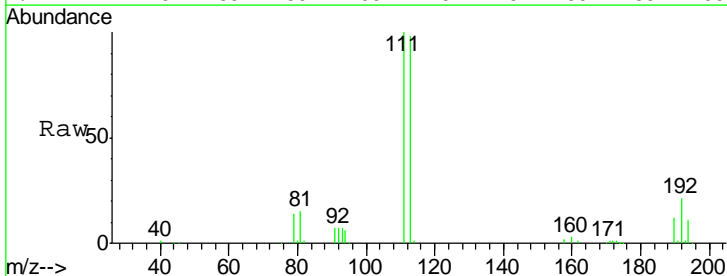
Instrument : MSVOA_W
 ClientSampled : 980-B-1-(24)

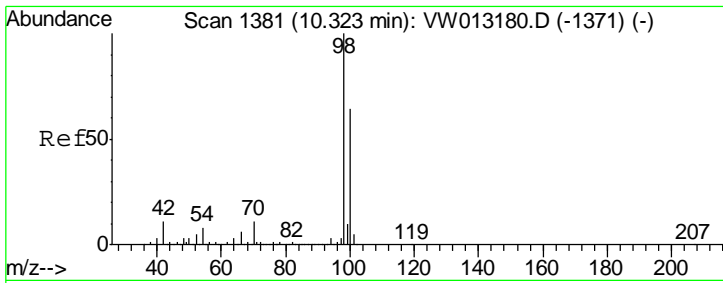
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.4	0.0	41.4
88	15.6	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 50.253 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

Tgt Ion	Resp	Lower	Upper
113	100		
111	103.9	81.9	122.9
192	23.4	19.1	28.7

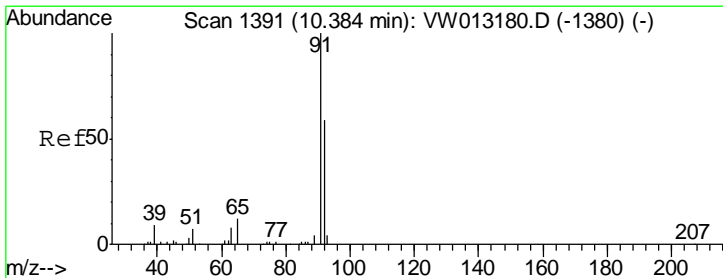
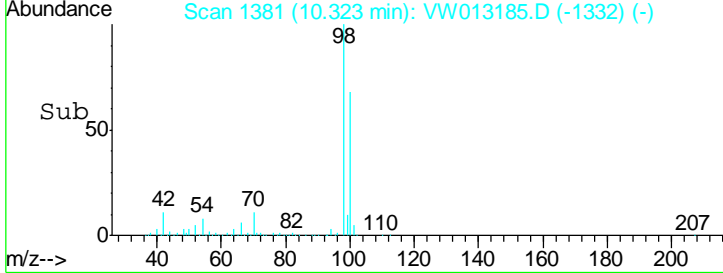
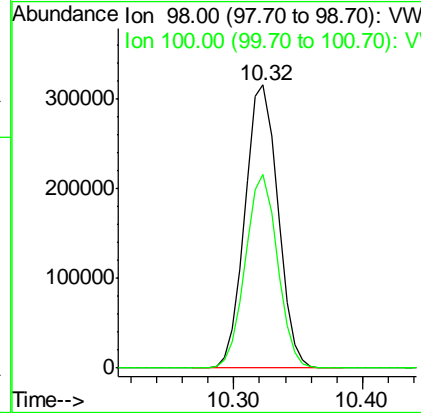
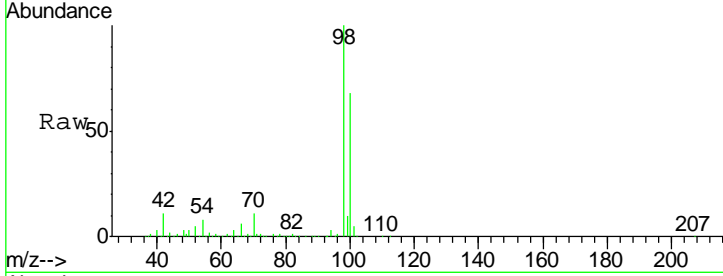




#50
 Toluene-d8
 Concen: 49.688 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

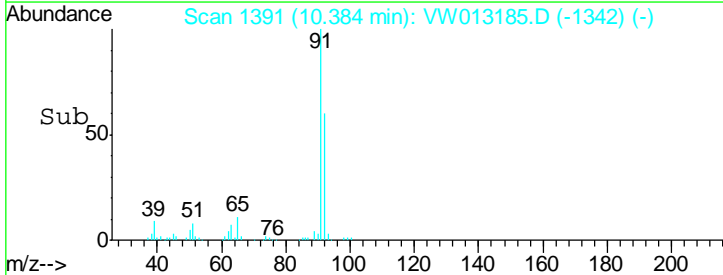
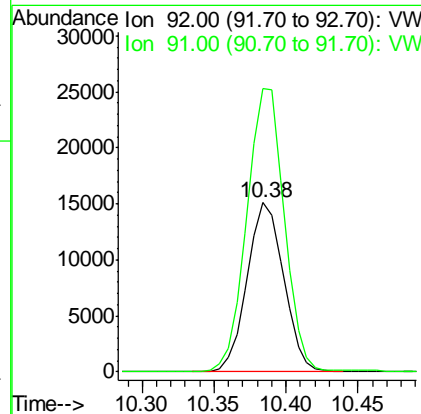
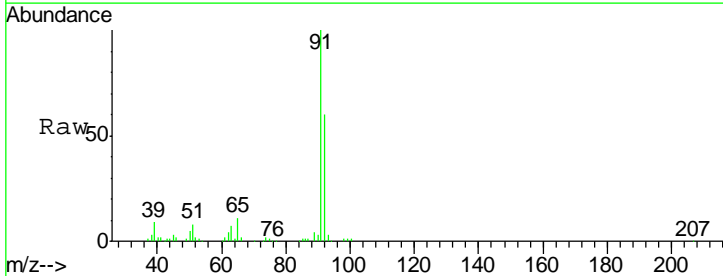
Instrument : MSVOA_W
 ClientSampled : 980-B-1-(24)

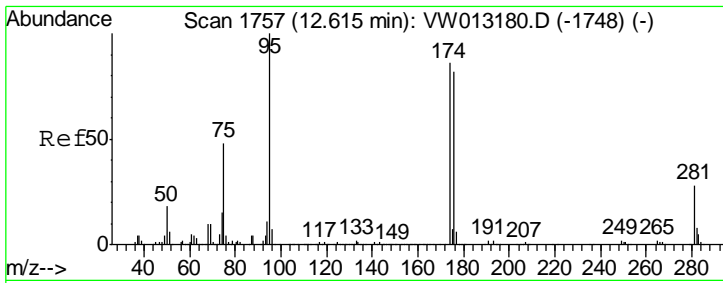
Tgt Ion	Resp	Lower	Upper
98	100		
100	66.2	52.9	79.3



#52
 Toluene
 Concen: 3.141 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

Tgt Ion	Resp	Lower	Upper
92	100		
91	171.4	135.7	203.5

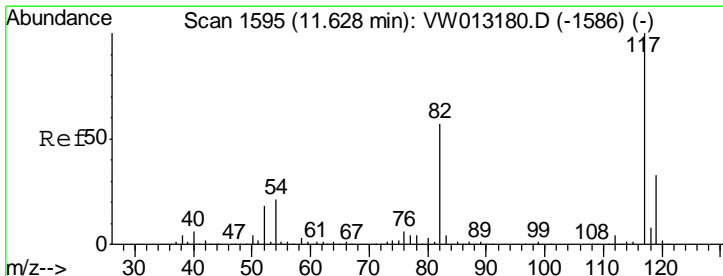
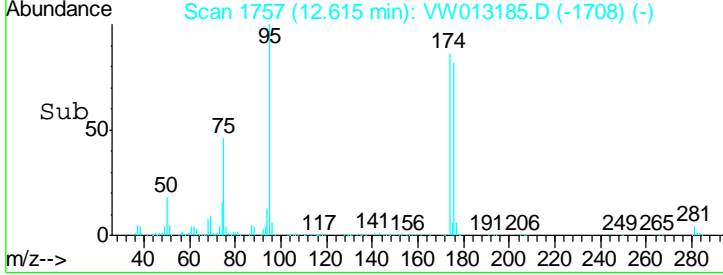
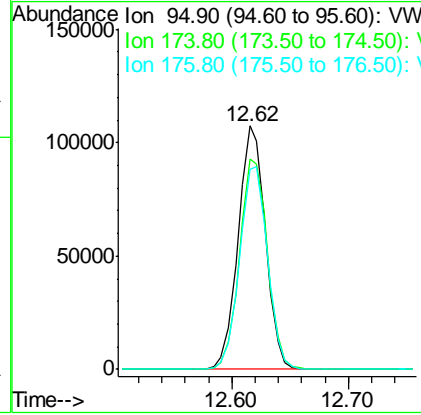
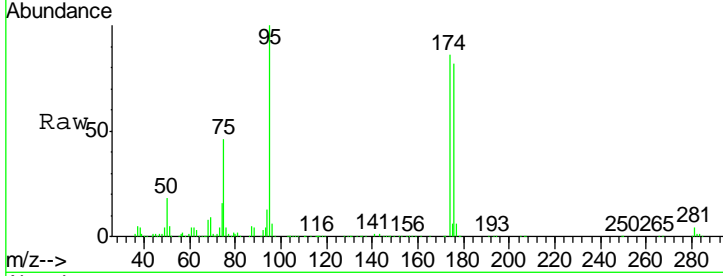




#62
 4-Bromofluorobenzene
 Concen: 45.443 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

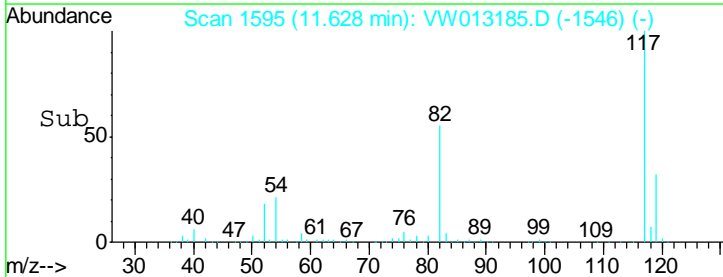
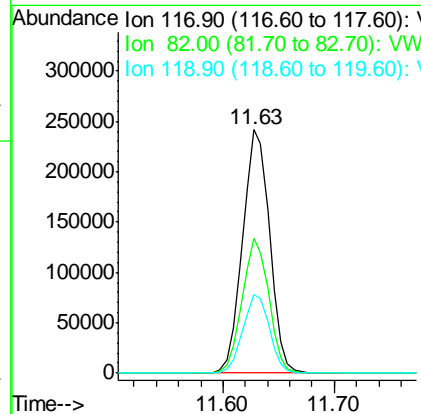
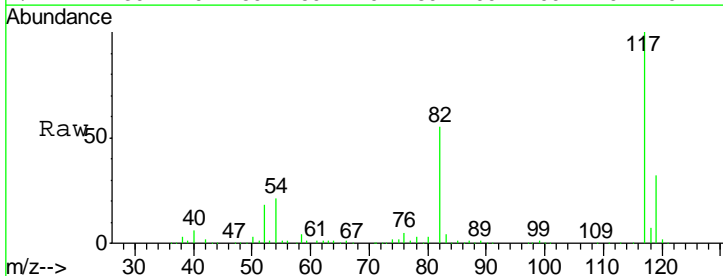
Instrument :
 MSVOA_W
 ClientSampled :
 980-B-1-(24)

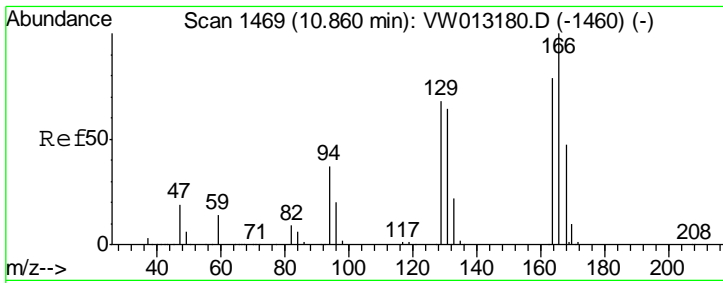
Tgt Ion	Resp	Lower	Upper
95	174836		
95	100		
174	88.4	0.0	178.4
176	85.6	0.0	172.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

Tgt Ion	Resp	Lower	Upper
117	405726		
117	100		
82	55.1	45.9	68.9
119	32.1	26.2	39.2



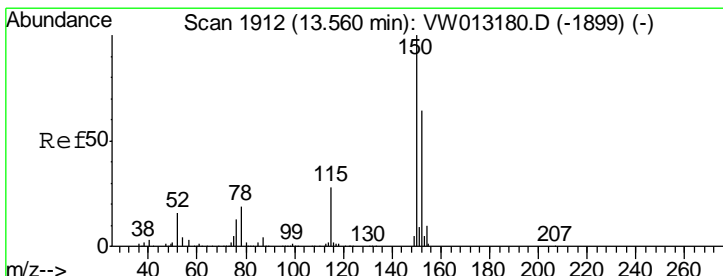
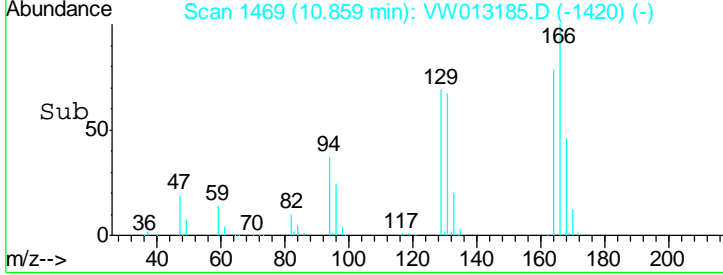
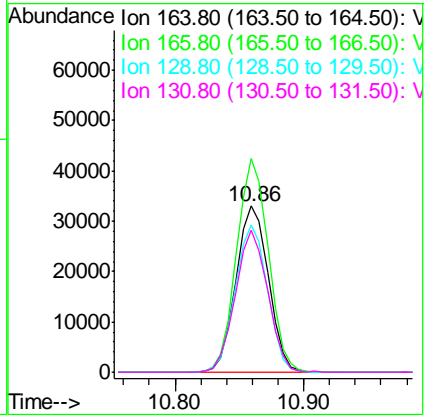
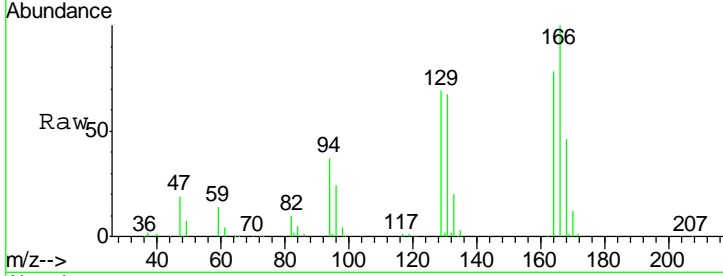


#64
 Tetrachloroethene
 Concen: 18.701 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

Instrument :
 MSVOA_W
ClientSampled :
 980-B-1-(24)

Tot Ion:164 Resp: 57569

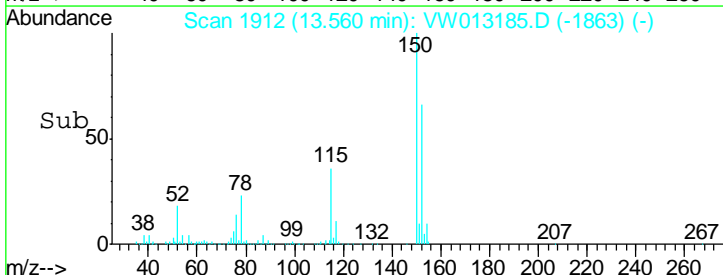
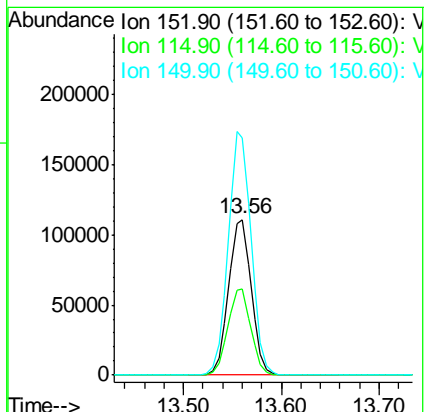
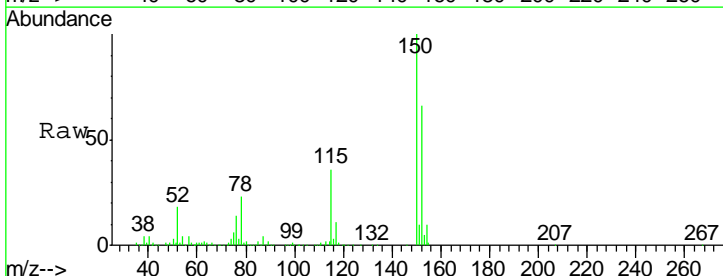
Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.2	151.8
129	88.7	68.8	103.2
131	85.6	65.2	97.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013185.D
 Acq: 20 Sep 2019 16:41

Tgt Ion:152 Resp: 178647

Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.3	81.9
150	156.7	0.0	349.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013185.D
 Acq On : 20 Sep 2019 16:41
 Operator : SY/VA
 Sample : K4888-02
 Misc : 5.68G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 980-B-1-(24)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.965	7	10	20	rVB2	11303	24041	1.65%	0.284%
2	2.172	36	44	50	rBV2	8016	18159	1.25%	0.214%
3	2.349	65	73	84	rBV	98423	183487	12.60%	2.164%
4	4.909	483	493	508	rVB2	12146	40510	2.78%	0.478%
5	5.117	516	527	535	rBV2	4664	16961	1.16%	0.200%
6	7.141	847	859	872	rBV2	72964	218120	14.98%	2.573%
7	7.878	969	980	985	rBV	184147	444572	30.53%	5.244%
8	7.939	985	990	1005	rVB	394889	883009	60.64%	10.416%
9	8.305	1039	1050	1060	rBV	176089	393411	27.02%	4.641%
10	8.842	1128	1138	1152	rBV	543209	1102517	75.71%	13.005%
11	10.323	1372	1381	1387	rBV	819834	1456205	100.00%	17.177%
12	10.384	1387	1391	1399	rVB	61279	108863	7.48%	1.284%
13	10.859	1461	1469	1477	rBV	228104	399273	27.42%	4.710%
14	11.628	1586	1595	1608	rBV	699324	1174856	80.68%	13.859%
15	12.615	1750	1757	1766	rVB	523175	866161	59.48%	10.217%
16	12.932	1805	1809	1815	rVB4	12347	21708	1.49%	0.256%
17	13.554	1905	1911	1918	rVB	636794	1037982	71.28%	12.244%
18	13.871	1959	1963	1968	rBV3	13088	17466	1.20%	0.206%
19	14.072	1989	1996	2004	rVB	31343	54005	3.71%	0.637%
20	15.493	2223	2229	2235	rBV	8274	16132	1.11%	0.190%

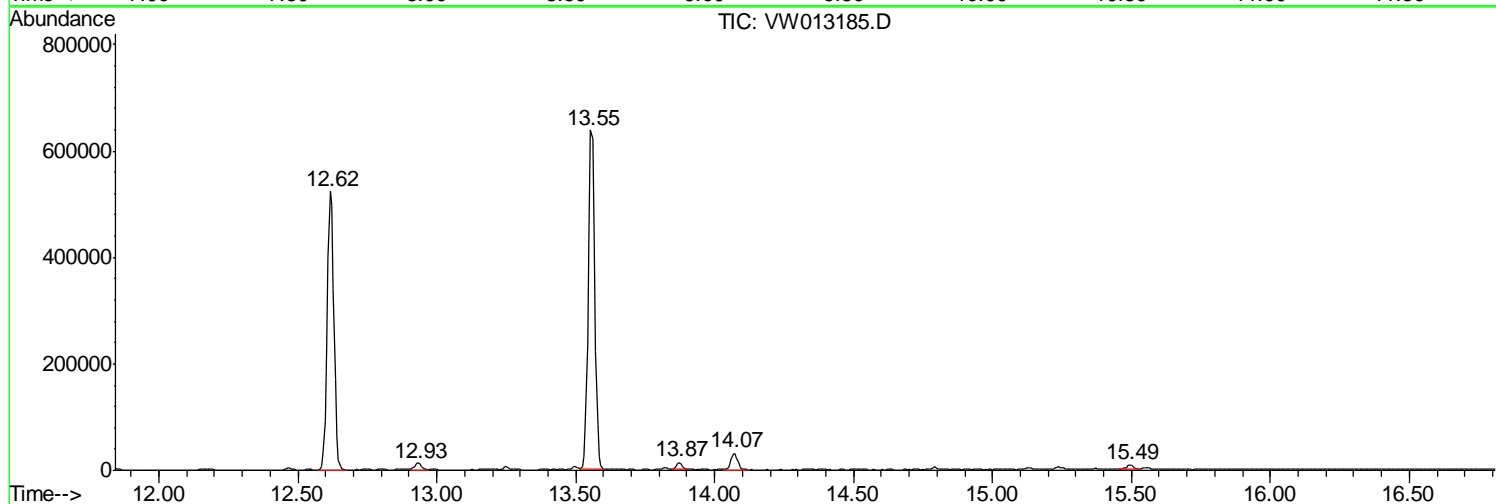
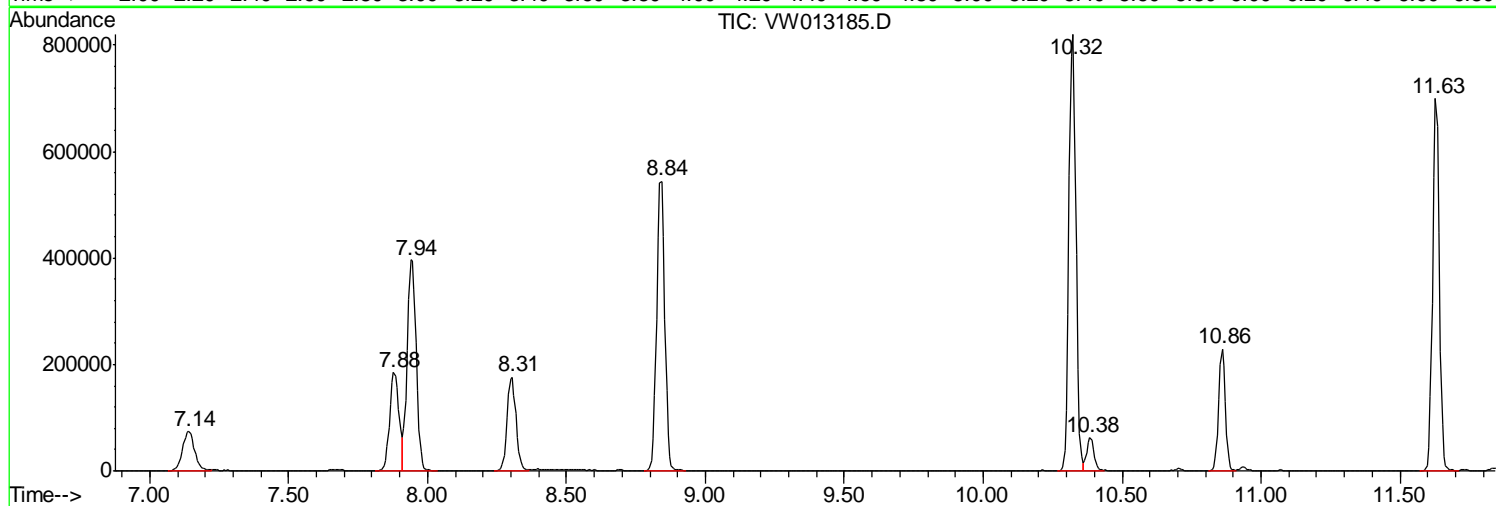
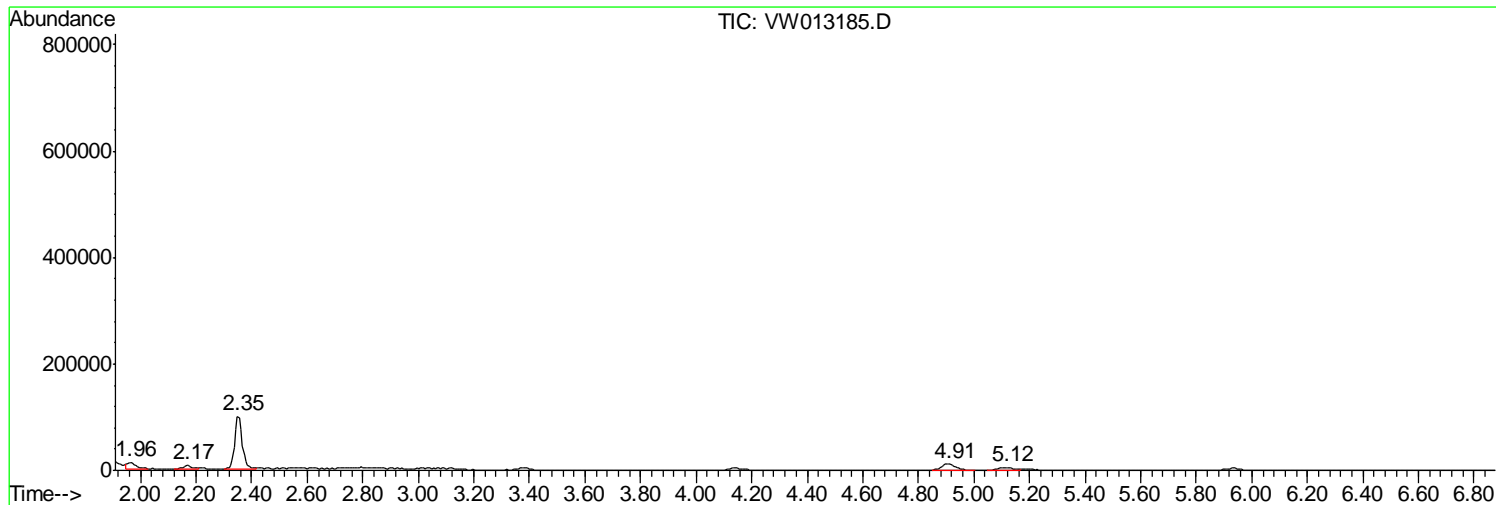
Sum of corrected areas: 8477438

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013185.D
Acq On : 20 Sep 2019 16:41
Operator : SY/VA
Sample : K4888-02
Misc : 5.68G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
980-B-1-(24)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013185.D
 Acq On : 20 Sep 2019 16:41
 Operator : SY/VA
 Sample : K4888-02
 Misc : 5.68G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 980-B-1-(24)

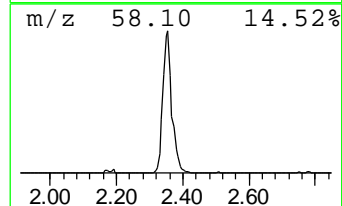
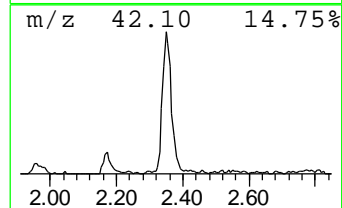
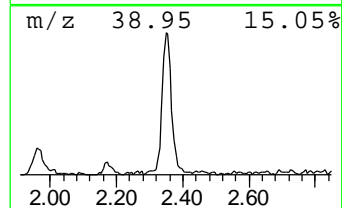
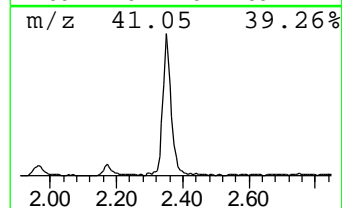
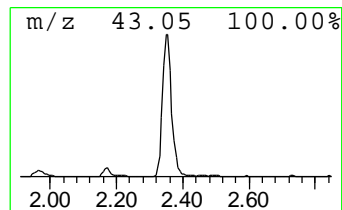
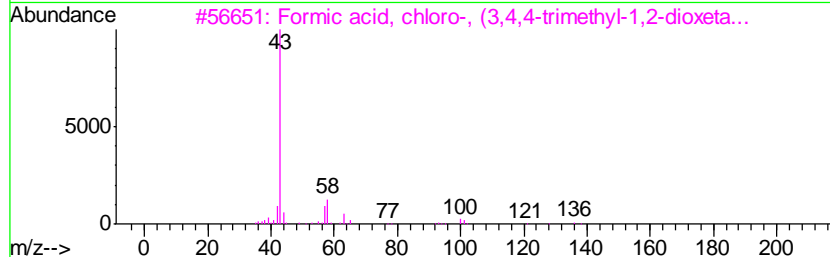
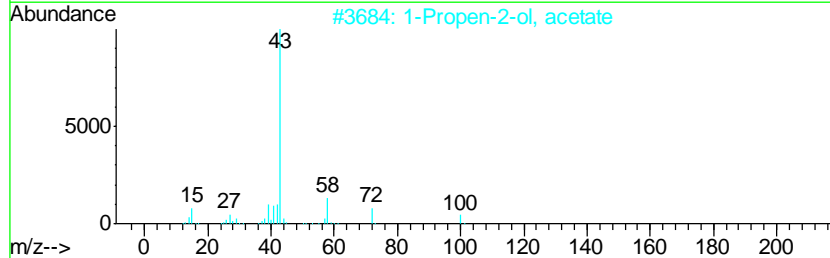
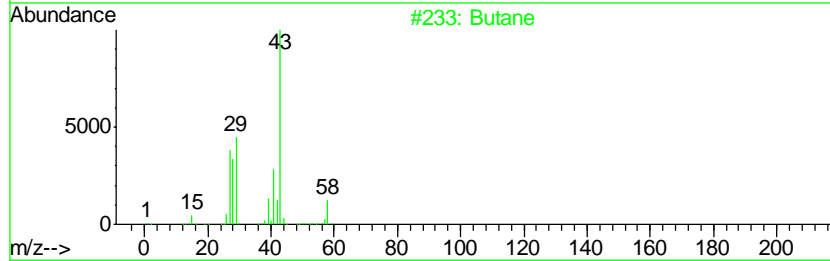
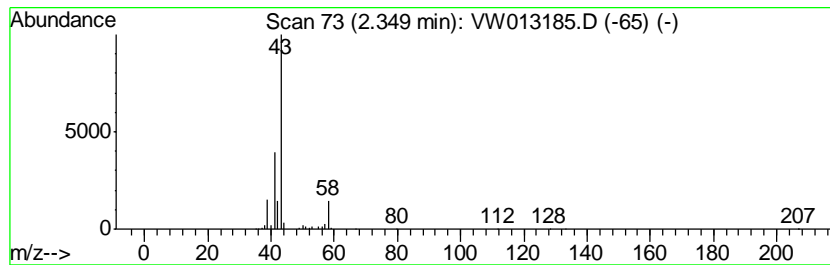
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260

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

 Peak Number 1 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.35	10.39 ug/l	183487	Pentafluorobenzene	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane	58	C4H10	000106-97-8	80
2		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	36
3		Formic acid, chloro-, (3,4,4-tri...	194	C7H11ClO4	107323-92-2	36
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
 Data File : VW013185.D
 Acq On : 20 Sep 2019 16:41
 Operator : SY/VA
 Sample : K4888-02
 Misc : 5.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 980-B-1-(24)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane	2.35	10.4	ug/l	183487	1	7.94	883009	50.0

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/12/19
Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	981-S-2-(20)	SDG No.:	K4888
Lab Sample ID:	K4888-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.6
Sample Wt/Vol:	6.51 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012525.D	1		09/19/19 14:01	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	430	U	78.1	430	ug/Kg
74-87-3	Chloromethane	430	U	150	430	ug/Kg
75-01-4	Vinyl Chloride	430	U	95.5	430	ug/Kg
74-83-9	Bromomethane	430	U	32.5	430	ug/Kg
75-00-3	Chloroethane	430	U	49.4	430	ug/Kg
75-69-4	Trichlorofluoromethane	430	U	55.5	430	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	430	U	68.8	430	ug/Kg
75-35-4	1,1-Dichloroethene	430	U	85.2	430	ug/Kg
67-64-1	Acetone	2100	U	660	2100	ug/Kg
75-15-0	Carbon Disulfide	430	U	92.0	430	ug/Kg
1634-04-4	Methyl tert-butyl Ether	430	U	120	430	ug/Kg
79-20-9	Methyl Acetate	430	U	240	430	ug/Kg
75-09-2	Methylene Chloride	860	U	450	860	ug/Kg
156-60-5	trans-1,2-Dichloroethene	430	U	110	430	ug/Kg
75-34-3	1,1-Dichloroethane	430	U	78.2	430	ug/Kg
110-82-7	Cyclohexane	430	U	150	430	ug/Kg
78-93-3	2-Butanone	2100	U	570	2100	ug/Kg
56-23-5	Carbon Tetrachloride	430	U	70.9	430	ug/Kg
156-59-2	cis-1,2-Dichloroethene	430	U	84.7	430	ug/Kg
74-97-5	Bromochloromethane	430	U	100	430	ug/Kg
67-66-3	Chloroform	430	U	74.2	430	ug/Kg
71-55-6	1,1,1-Trichloroethane	430	U	90.9	430	ug/Kg
108-87-2	Methylcyclohexane	430	U	100	430	ug/Kg
71-43-2	Benzene	430	U	72.0	430	ug/Kg
107-06-2	1,2-Dichloroethane	430	U	100	430	ug/Kg
79-01-6	Trichloroethene	110	J	80.1	430	ug/Kg
78-87-5	1,2-Dichloropropane	430	U	110	430	ug/Kg
75-27-4	Bromodichloromethane	430	U	85.3	430	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2100	U	480	2100	ug/Kg
108-88-3	Toluene	430	U	83.8	430	ug/Kg
10061-02-6	t-1,3-Dichloropropene	430	U	86.5	430	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	430	U	92.0	430	ug/Kg



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Report of Analysis

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Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	981-S-2-(20)	SDG No.:	K4888
Lab Sample ID:	K4888-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.6
Sample Wt/Vol:	6.51 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012525.D	1		09/19/19 14:01	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	430	U	120	430	ug/Kg
591-78-6	2-Hexanone	2100	U	630	2100	ug/Kg
124-48-1	Dibromochloromethane	430	U	110	430	ug/Kg
106-93-4	1,2-Dibromoethane	430	U	110	430	ug/Kg
127-18-4	Tetrachloroethene	7400		59.7	430	ug/Kg
108-90-7	Chlorobenzene	430	U	67.7	430	ug/Kg
100-41-4	Ethyl Benzene	430	U	73.3	430	ug/Kg
179601-23-1	m/p-Xylenes	860	U	140	860	ug/Kg
95-47-6	o-Xylene	430	U	94.2	430	ug/Kg
100-42-5	Styrene	430	U	85.1	430	ug/Kg
75-25-2	Bromoform	430	U	280	430	ug/Kg
98-82-8	Isopropylbenzene	430	U	74.4	430	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	430	U	93.3	430	ug/Kg
541-73-1	1,3-Dichlorobenzene	430	U	91.5	430	ug/Kg
106-46-7	1,4-Dichlorobenzene	430	U	90.7	430	ug/Kg
95-50-1	1,2-Dichlorobenzene	430	U	110	430	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	430	U	290	430	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	430	U	95.5	430	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	430	U	110	430	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		56 - 120	93%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	51.2		67 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		33 - 141	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	5.65			
540-36-3	1,4-Difluorobenzene	281000	6.85			
3114-55-4	Chlorobenzene-d5	234000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.07			
TENTATIVE IDENTIFIED COMPOUNDS						
006461-63-8	Benzene, 1-[(2-chloroethyl)sulfonyl]	980	J		1.66	ug/Kg
000629-78-7	Heptadecane	520	J		13.5	ug/Kg
000629-62-9	Pentadecane	440	J		15.6	ug/Kg



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Project:	Andrew St. RI	Date Received:	09/13/19
Client Sample ID:	981-S-2-(20)	SDG No.:	K4888
Lab Sample ID:	K4888-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.6
Sample Wt/Vol:	6.51 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012525.D	1		09/19/19 14:01	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000544-76-3	Hexadecane	570	J		16.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012525.D
 Acq On : 19 Sep 2019 14:01
 Operator : JC/SP
 Sample : K4888-03
 Misc : 6.51µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 981-S-2-(20)

Quant Time: Sep 20 05:18:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

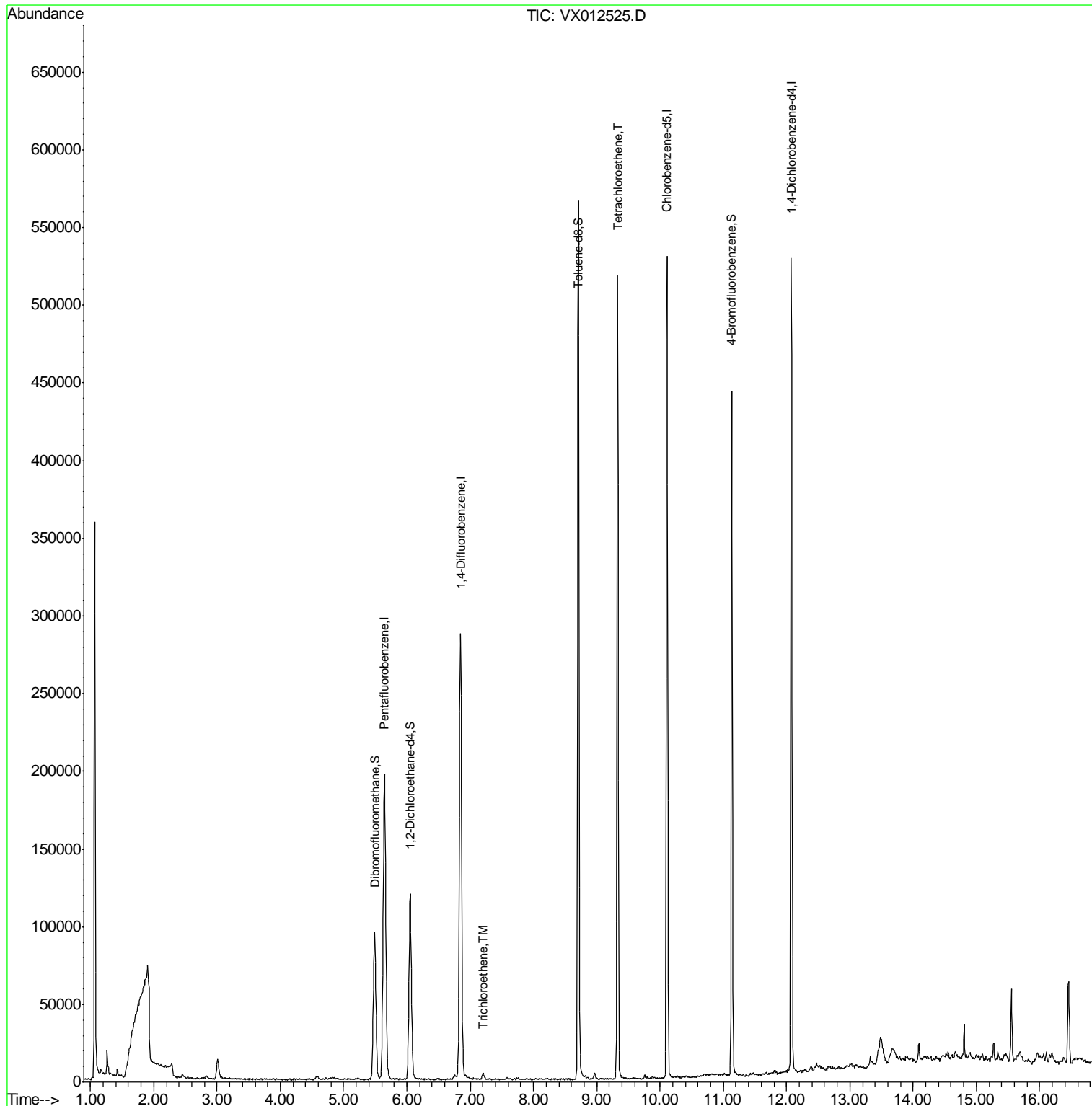
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	176123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102497	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	117180	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	5.49	113	80279	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
50) Toluene-d8	8.71	98	322629	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.14	95	121240	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
Target Compounds						
44) Trichloroethene	7.21	130	1767	1.235	ug/l	79
64) Tetrachloroethene	9.33	164	92583	86.305	ug/l	94

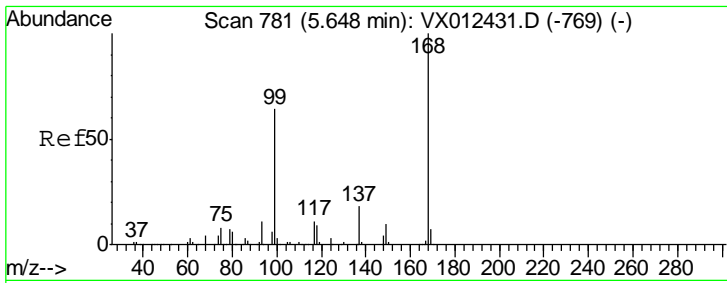
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012525.D
Acq On : 19 Sep 2019 14:01
Operator : JC/SP
Sample : K4888-03
Misc : 6.5lα/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
981-S-2-(20)

Quant Time: Sep 20 05:18:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

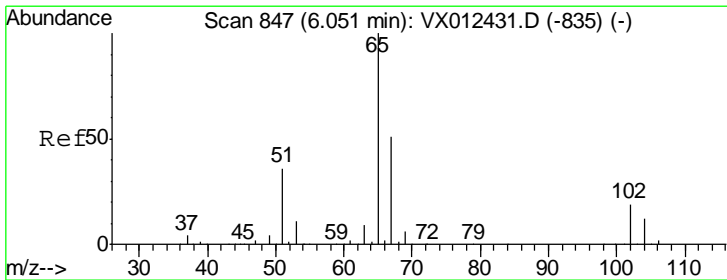
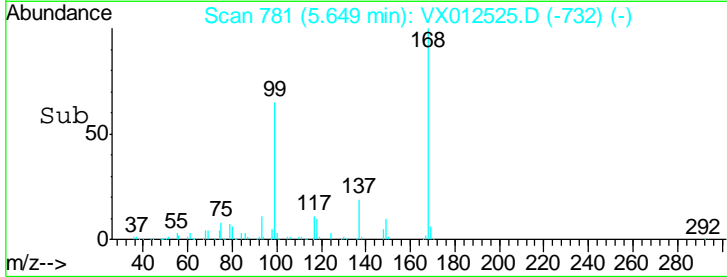
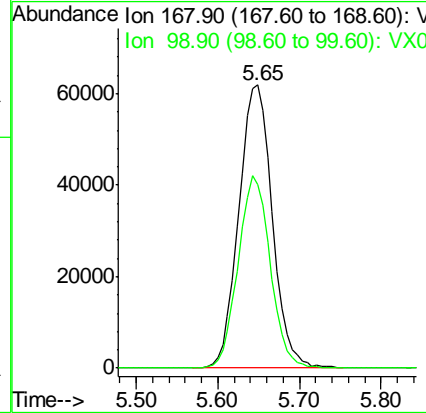
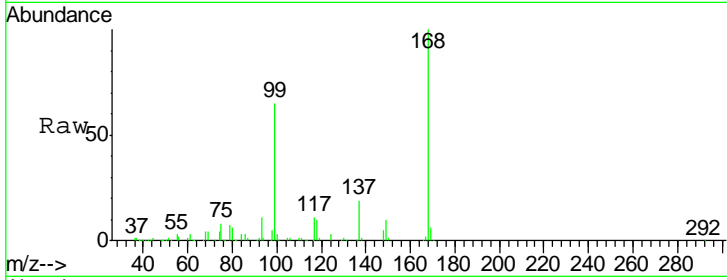




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

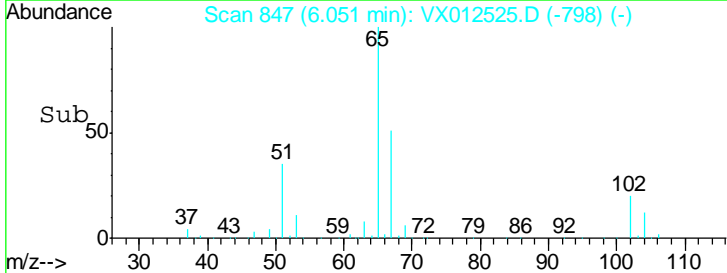
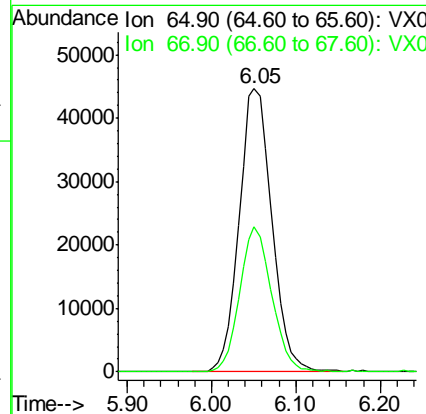
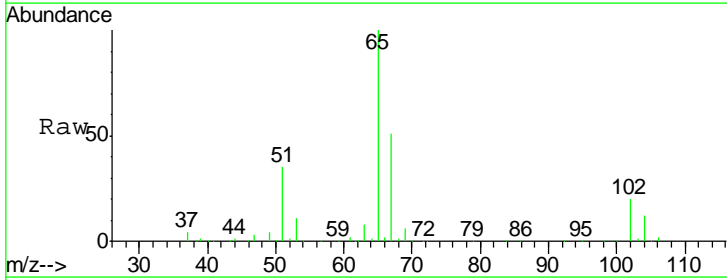
Instrument : MSVOA_X
 ClientSampled : 981-S-2-(20)

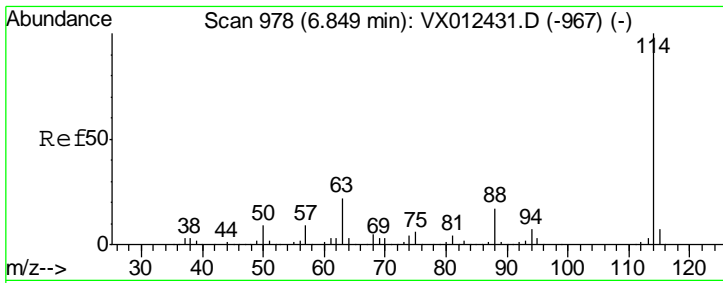
Tgt Ion	Resp	Lower	Upper
168	176123		
99	64.6	51.4	77.2



#33
 1,2-Dichloroethane-d4
 Concen: 46.423 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
65	117180		
67	50.0	0.0	101.2

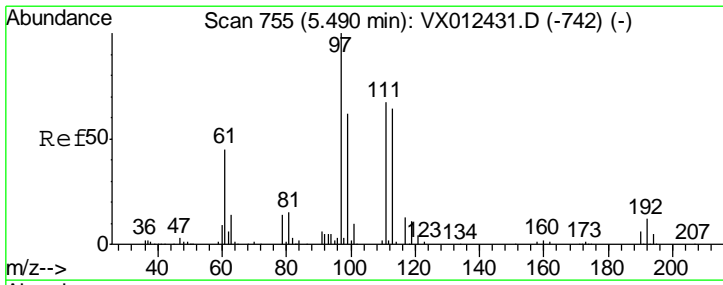
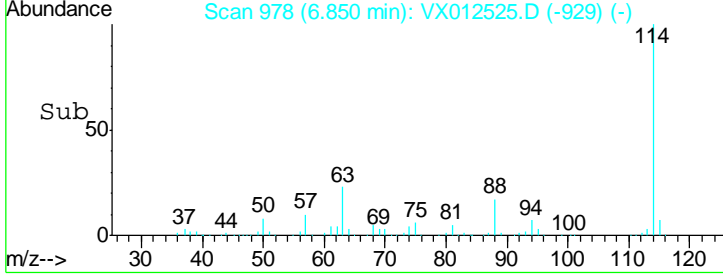
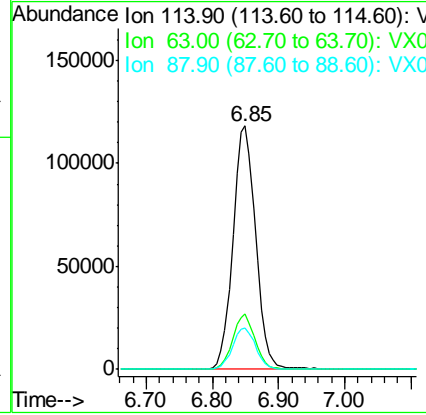
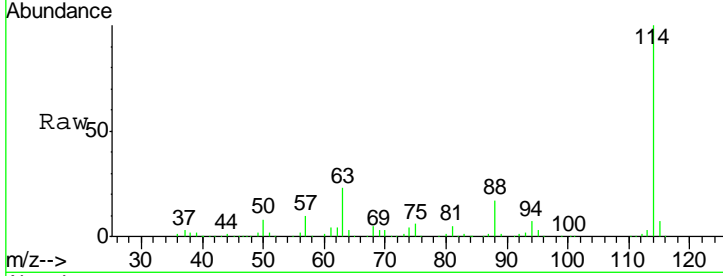




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

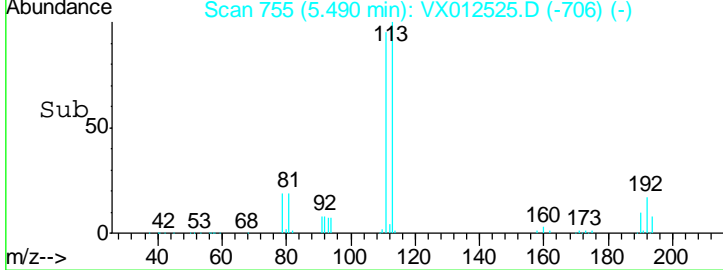
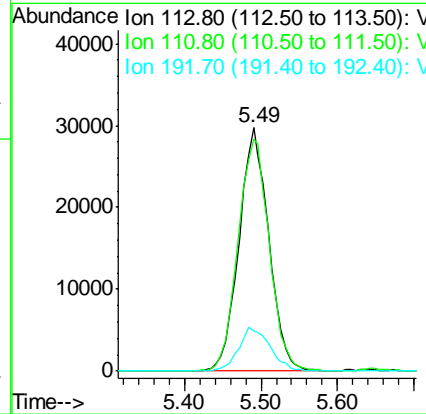
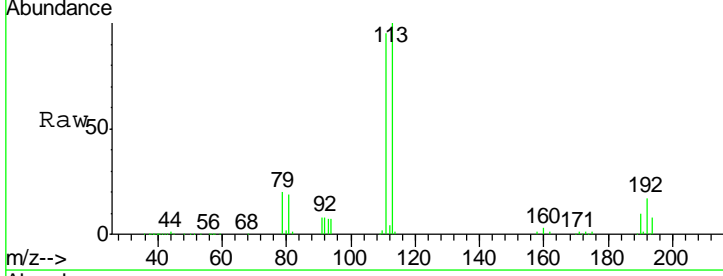
Instrument :
 MSVOA_X
 ClientSampled :
 981-S-2-(20)

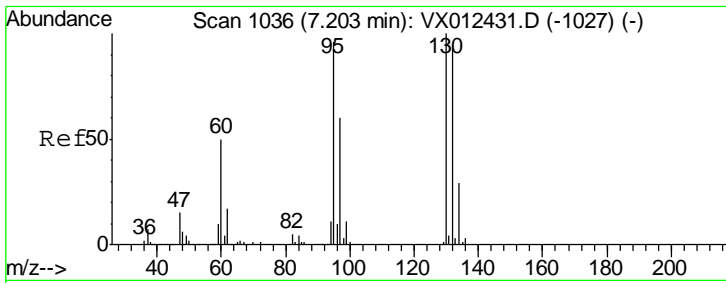
Tgt Ion	Resp	Lower	Upper
114	100		
63	22.6	0.0	43.2
88	17.1	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 47.125 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
113	100		
111	100.2	83.4	125.2
192	18.9	14.4	21.6

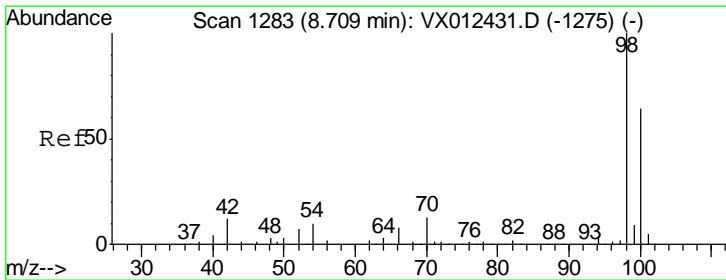
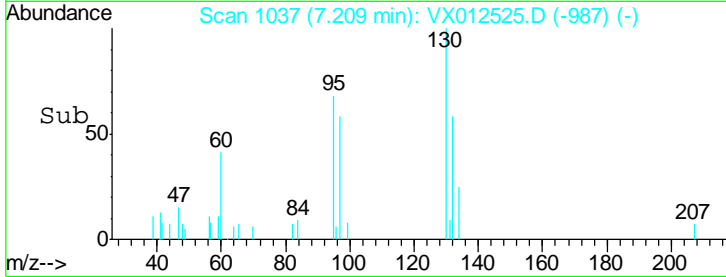
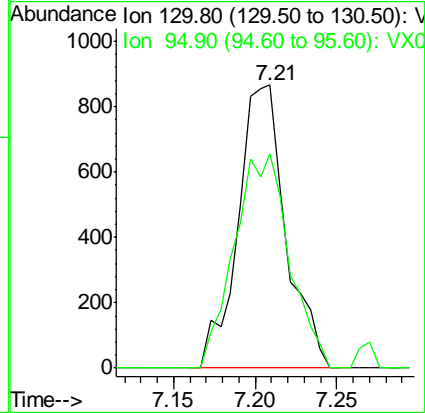
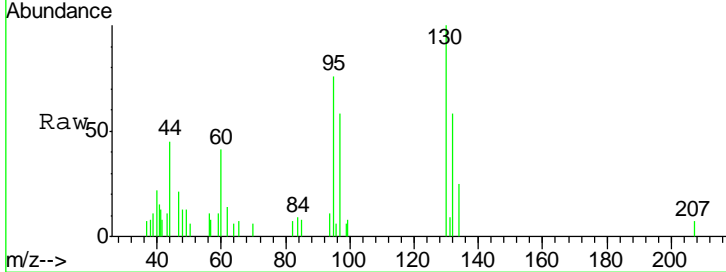




#44
 Trichloroethene
 Concen: 1.235 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

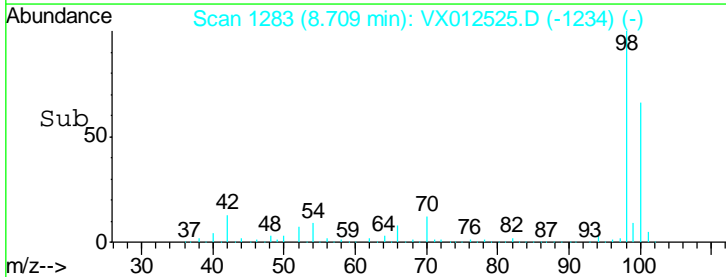
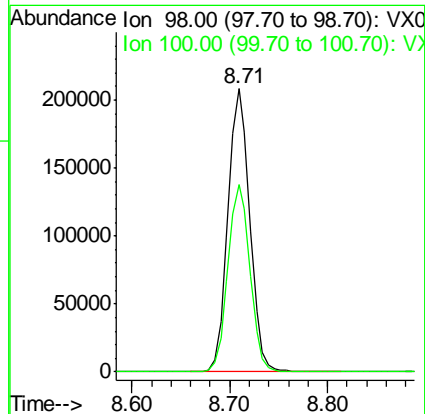
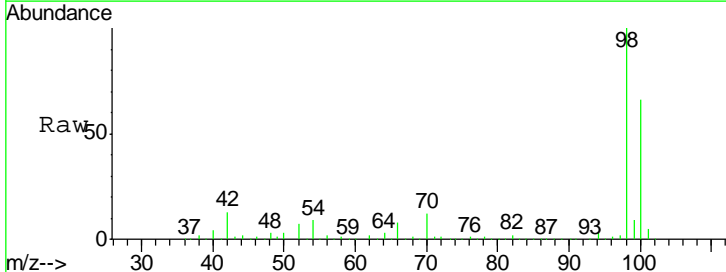
Instrument : MSVOA_X
 ClientSampled : 981-S-2-(20)

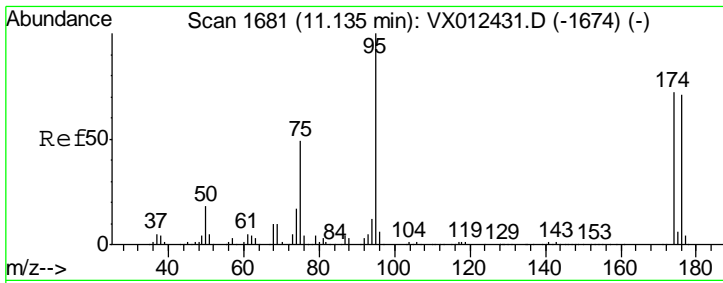
Tgt Ion	Resp	Lower	Upper
130	1767		
95	75.8	0.0	193.0



#50
 Toluene-d8
 Concen: 51.166 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
98	322629		
100	67.1	53.4	80.2

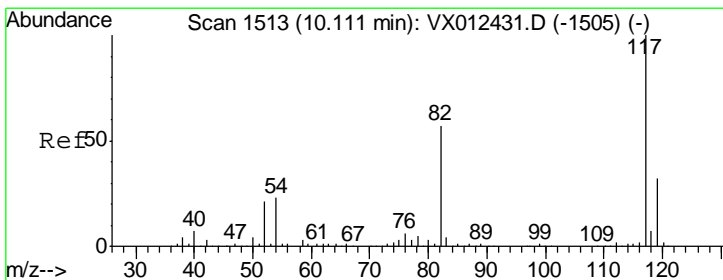
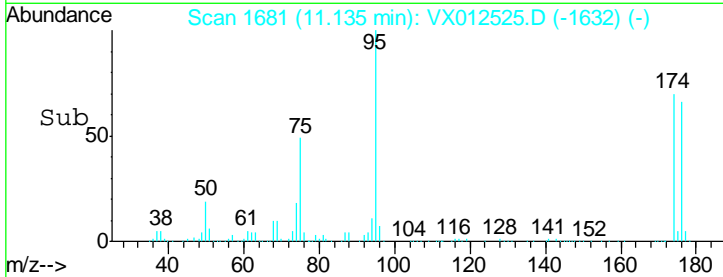
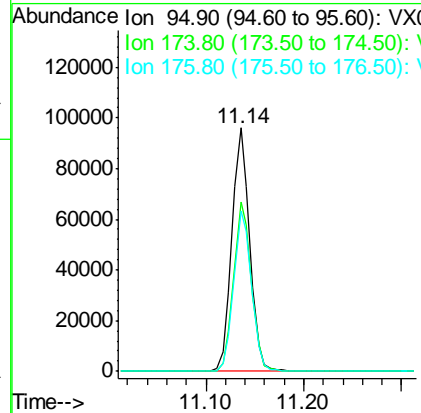
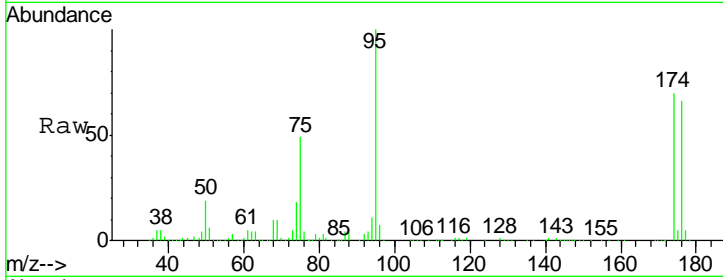




#62
 4-Bromofluorobenzene
 Concen: 46.308 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

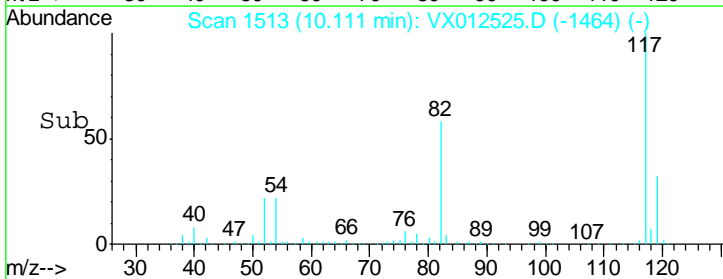
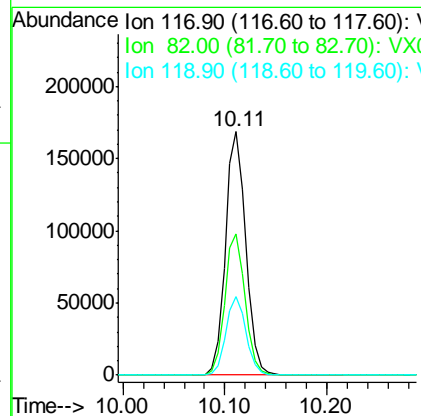
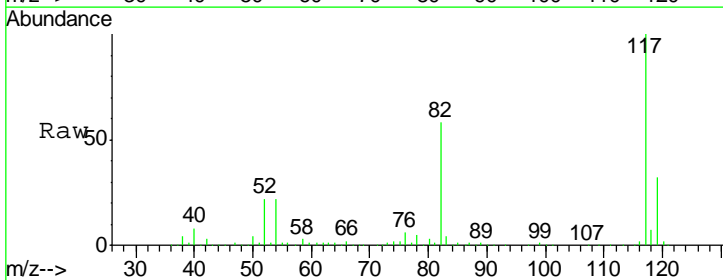
Instrument : MSVOA_X
 ClientSampled : 981-S-2-(20)

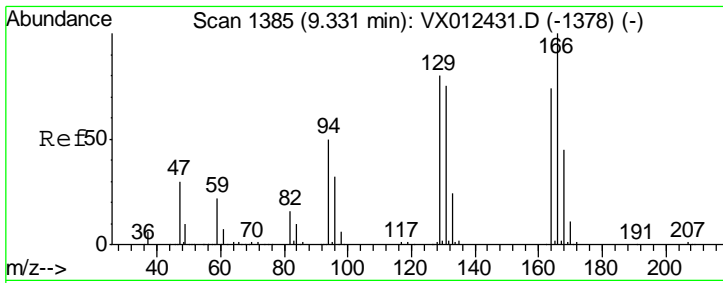
Tgt Ion	Resp	Lower	Upper
95	121240		
174	69.7	0.0	140.0
176	66.5	0.0	135.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
117	234102		
82	58.2	45.9	68.9
119	32.0	25.3	37.9

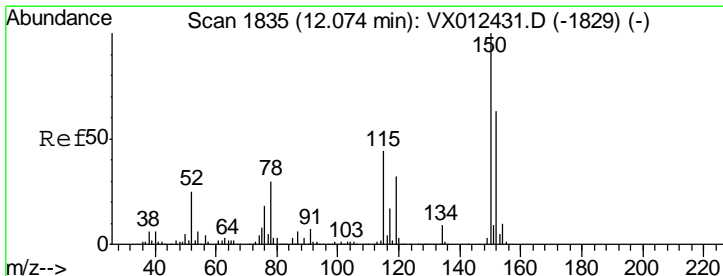
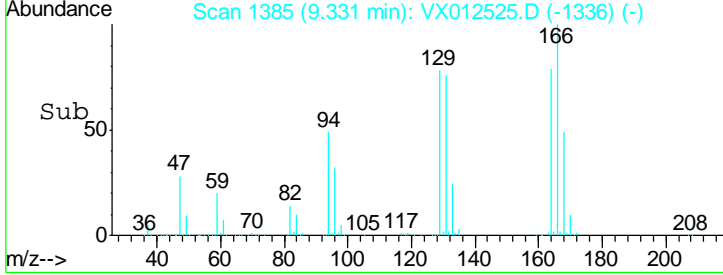
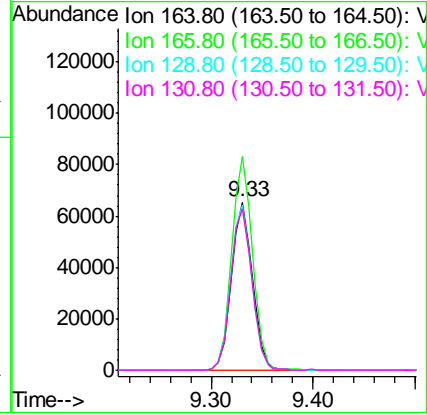
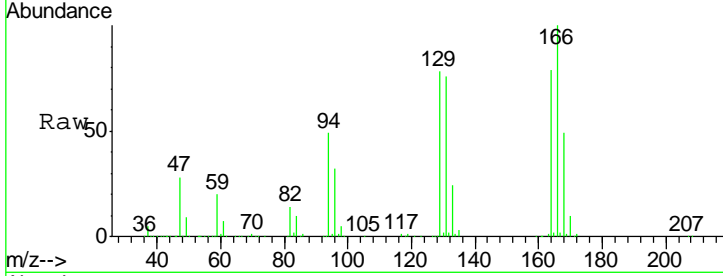




#64
 Tetrachloroethene
 Concen: 86.305 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

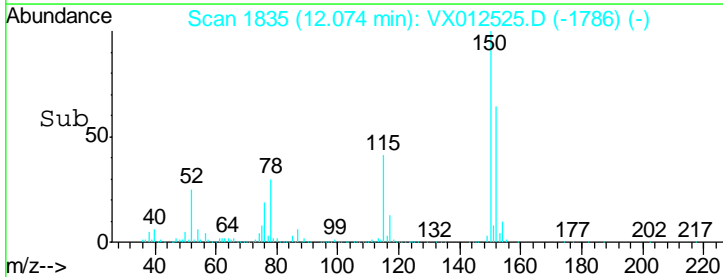
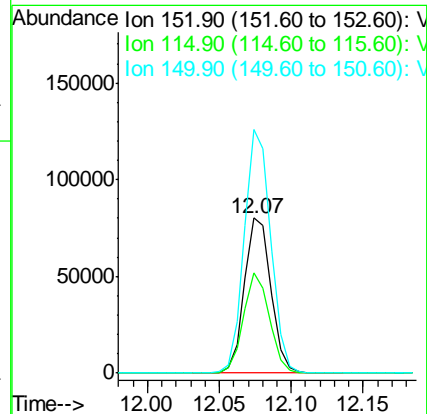
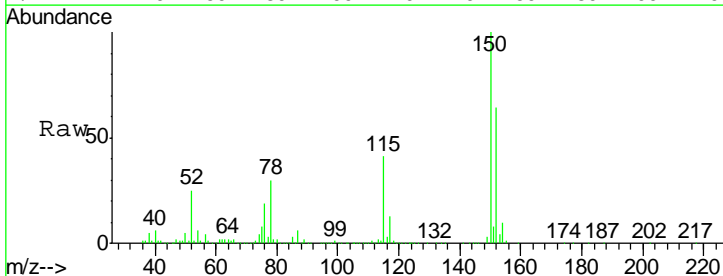
Instrument : MSVOA_X
 Client Sampled : 981-S-2-(20)

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.3	107.8	161.6
129	98.8	86.2	129.2
131	96.1	80.4	120.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012525.D
 Acq: 19 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
152	100		
115	63.7	44.1	132.3
150	156.7	0.0	343.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012525.D
 Acq On : 19 Sep 2019 14:01
 Operator : JC/SP
 Sample : K4888-03
 Misc : 6.51µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 981-S-2-(20)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.064	25	29	41	rBV	357222	420059	47.13%	6.584%
2	1.259	59	61	68	rVB2	15558	19730	2.21%	0.309%
3	1.661	105	127	128	rBV8	30200	125163	14.04%	1.962%
4	3.009	339	348	356	rBV	13542	36007	4.04%	0.564%
5	5.490	743	755	767	rBV2	95309	268823	30.16%	4.213%
6	5.642	770	780	793	rVB	195044	549884	61.70%	8.619%
7	6.051	835	847	860	rBV	119455	316069	35.47%	4.954%
8	6.850	968	978	989	rBV	285063	673417	75.56%	10.555%
9	7.209	1029	1037	1044	rBV8	4222	10520	1.18%	0.165%
10	8.709	1274	1283	1291	rBV	565606	891189	100.00%	13.968%
11	9.331	1375	1385	1395	rBV	517592	747377	83.86%	11.714%
12	10.111	1507	1513	1523	rBV	528837	737767	82.78%	11.563%
13	11.135	1675	1681	1689	rBV	440747	565775	63.49%	8.868%
14	12.074	1828	1835	1844	rBV	523010	668793	75.05%	10.482%
15	13.318	2035	2039	2048	rBV10	6602	16528	1.85%	0.259%
16	13.483	2055	2066	2082	rBV7	17372	81579	9.15%	1.279%
17	13.672	2087	2097	2100	rBV7	8853	28064	3.15%	0.440%
18	14.092	2162	2166	2170	rBV2	10211	11630	1.30%	0.182%
19	14.805	2280	2283	2287	rVB3	21792	22954	2.58%	0.360%
20	15.275	2356	2360	2363	rVB2	10263	12432	1.39%	0.195%
21	15.555	2401	2406	2412	rVB	46620	67995	7.63%	1.066%
22	15.970	2468	2474	2477	rBV8	4986	10241	1.15%	0.161%
23	16.104	2493	2496	2502	rVB7	6782	9491	1.06%	0.149%
24	16.458	2548	2554	2560	rVB	52322	88687	9.95%	1.390%

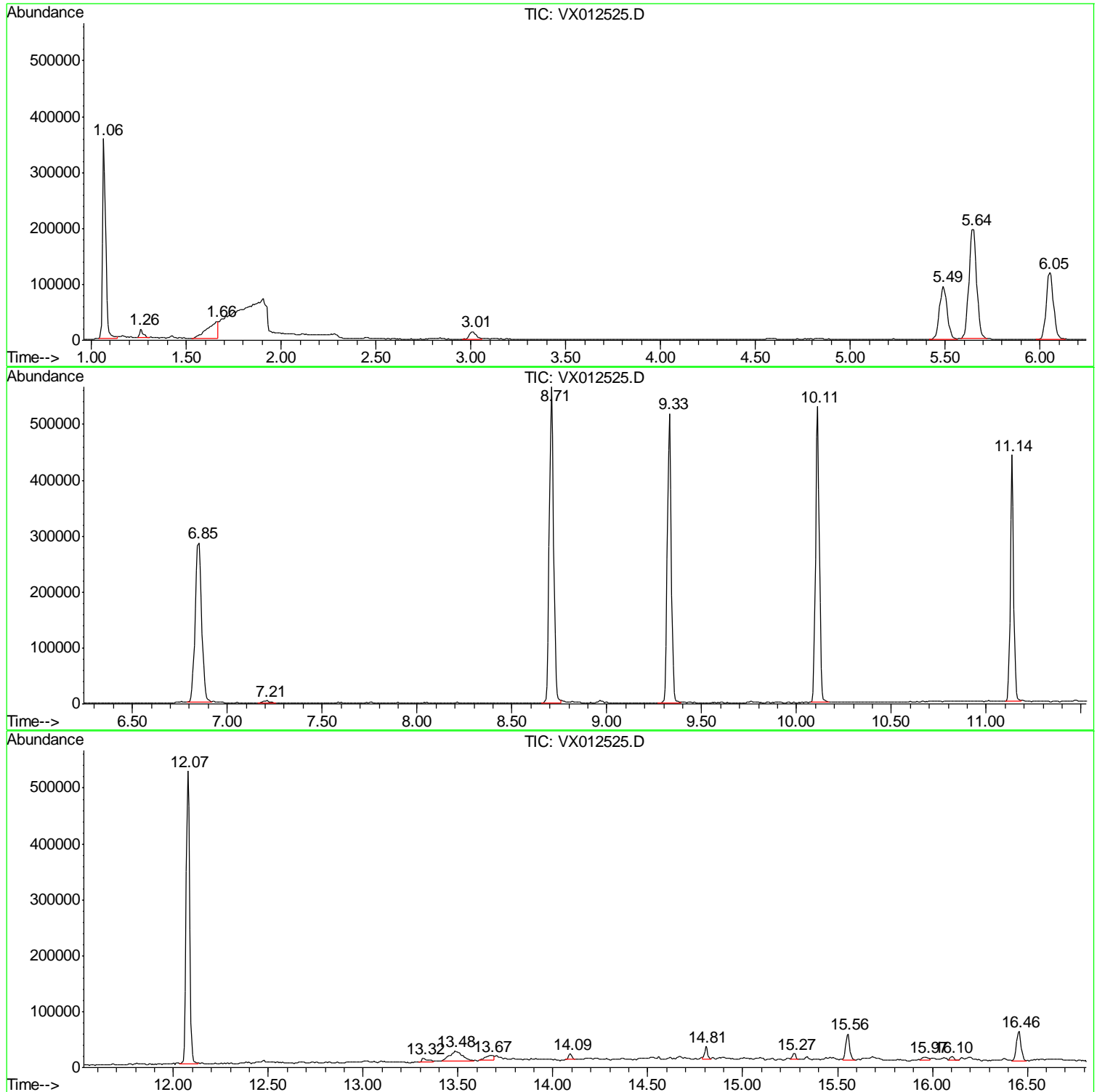
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012525.D
Acq On : 19 Sep 2019 14:01
Operator : JC/SP
Sample : K4888-03
Misc : 6.51µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
981-S-2-(20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012525.D
 Acq On : 19 Sep 2019 14:01
 Operator : JC/SP
 Sample : K4888-03
 Misc : 6.51µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 981-S-2-(20)

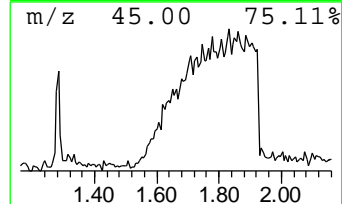
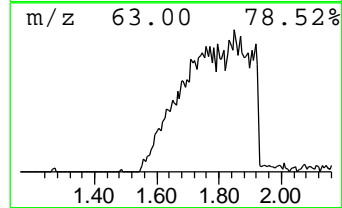
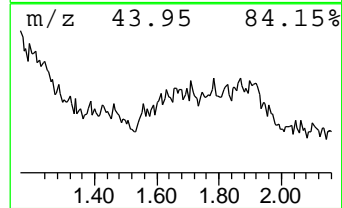
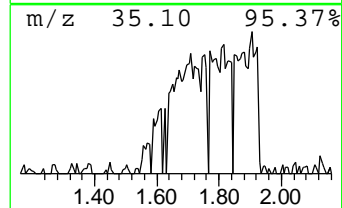
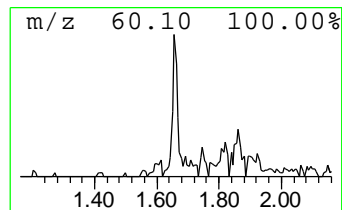
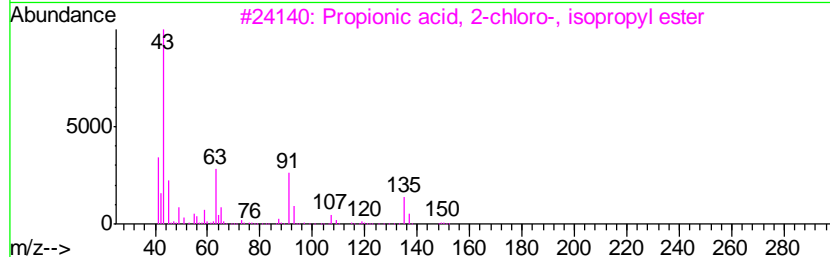
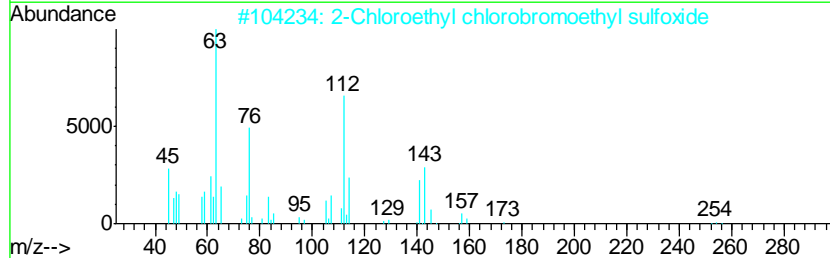
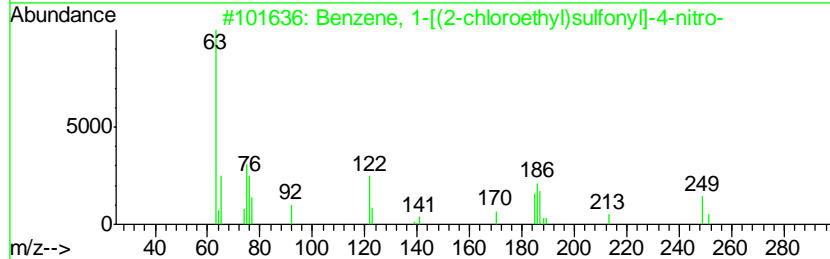
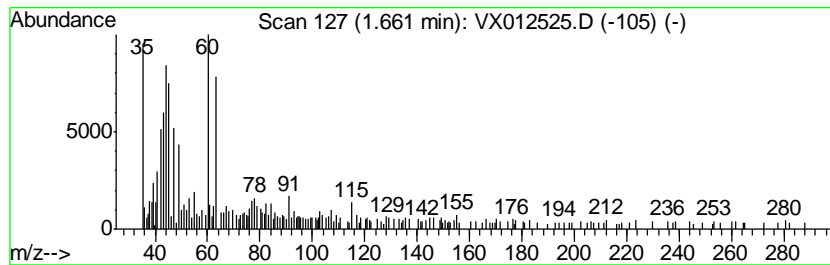
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

 Peak Number 2 Benzene, 1-[(2-chloroethyl)... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.66	11.38 ug/l	125163	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-[(2-chloroethyl)sulfo...	249	C8H8ClNO4S	006461-63-8	74
2		2-Chloroethyl chlorobromoethyl s...	252	C4H7BrCl2OS	1000226-90-1	37
3		Propionic acid, 2-chloro-, isopr...	150	C6H11ClO2	040058-87-5	28
4		(4-Carbamoyl-2-nitrophenyl)aceti...	224	C9H8N2O5	1000304-35-6	22
5		Divinyldithiophosphinic acid	150	C4H7PS2	085417-00-1	16



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012525.D
 Acq On : 19 Sep 2019 14:01
 Operator : JC/SP
 Sample : K4888-03
 Misc : 6.51µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 981-S-2-(20)

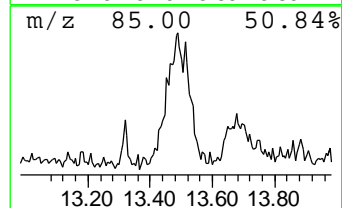
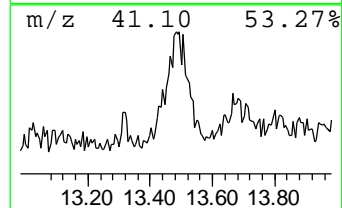
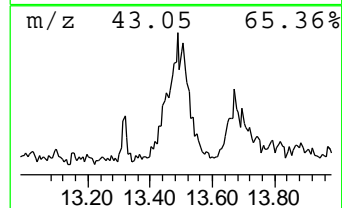
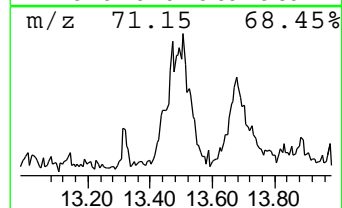
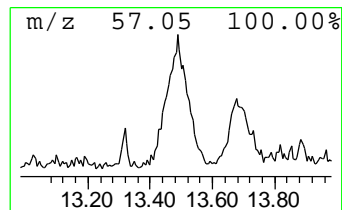
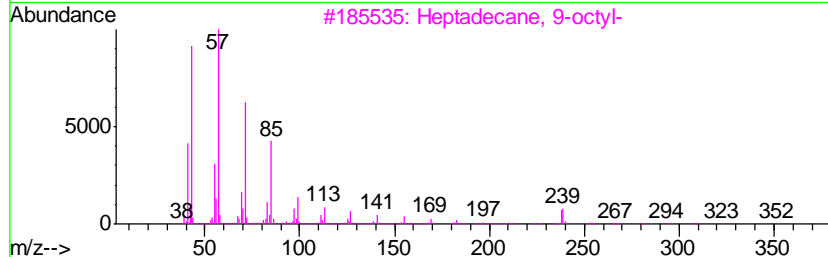
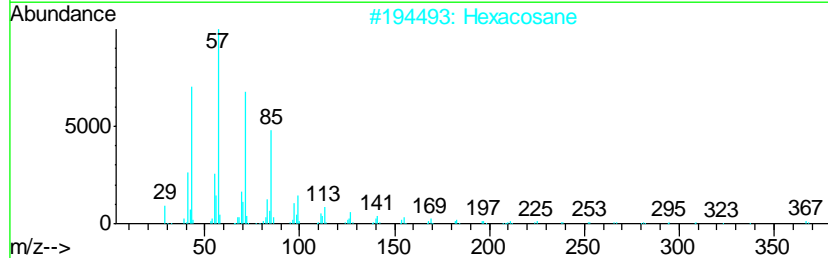
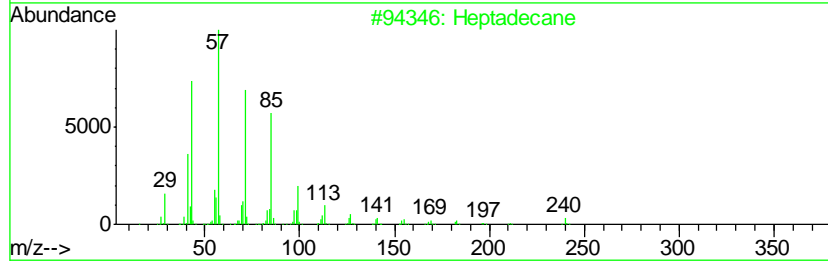
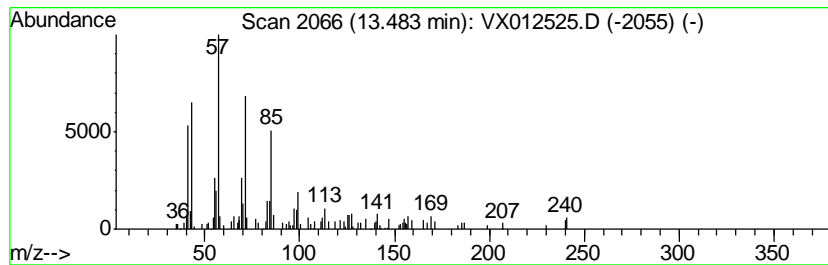
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

 Peak Number 3 Heptadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	6.10 ug/l	81579	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	97
2		Hexacosane	366	C26H54	000630-01-3	90
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
4		Heneicosane	296	C21H44	000629-94-7	83
5		Hentriacontane	437	C31H64	000630-04-6	83



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012525.D
 Acq On : 19 Sep 2019 14:01
 Operator : JC/SP
 Sample : K4888-03
 Misc : 6.51µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 981-S-2-(20)

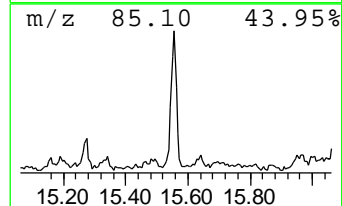
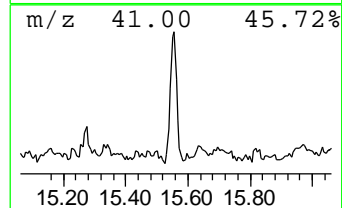
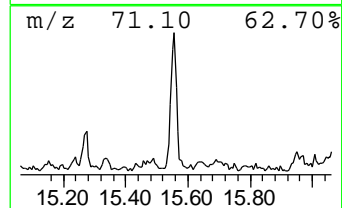
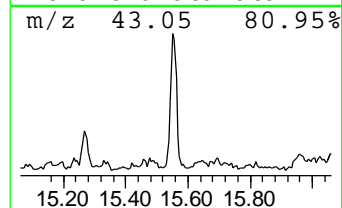
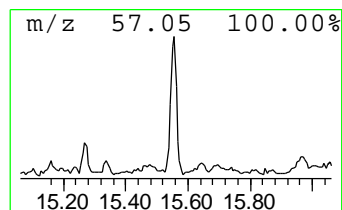
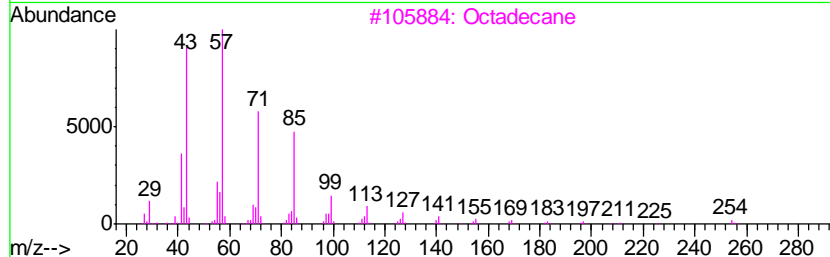
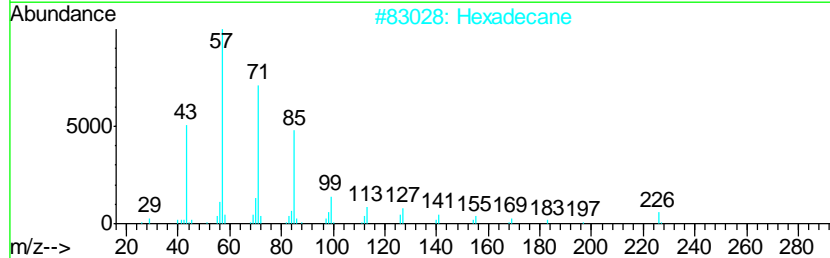
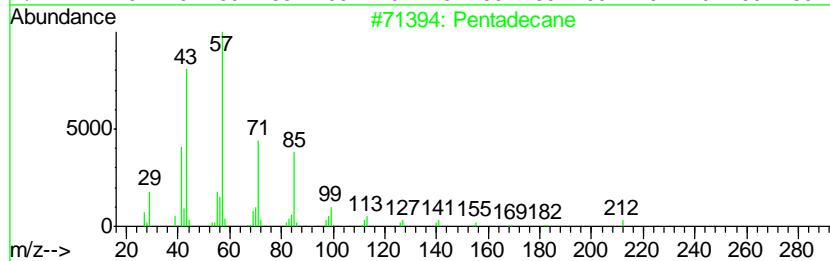
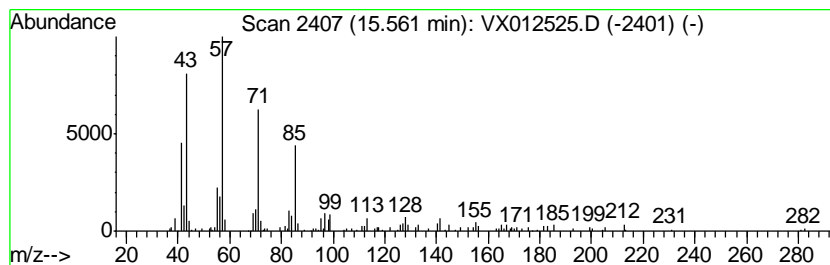
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

 Peak Number 4 Pentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	5.08 ug/l	67995	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	95
2		Hexadecane	226	C16H34	000544-76-3	87
3		Octadecane	254	C18H38	000593-45-3	83
4		Heptadecane	240	C17H36	000629-78-7	80
5		Octacosane	394	C28H58	000630-02-4	80



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012525.D
 Acq On : 19 Sep 2019 14:01
 Operator : JC/SP
 Sample : K4888-03
 Misc : 6.51µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 981-S-2-(20)

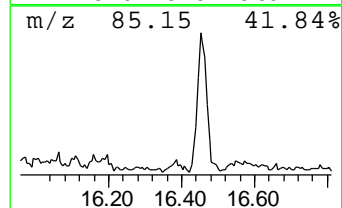
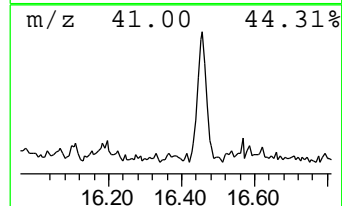
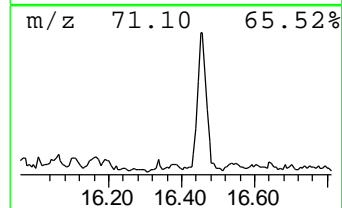
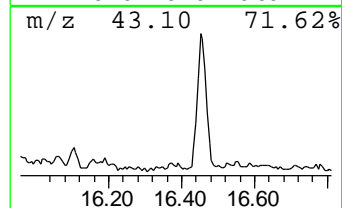
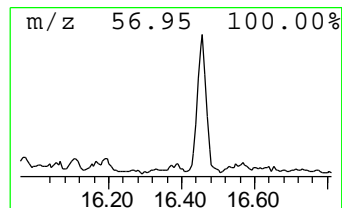
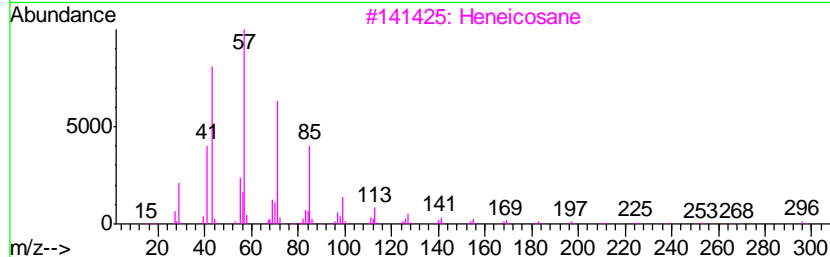
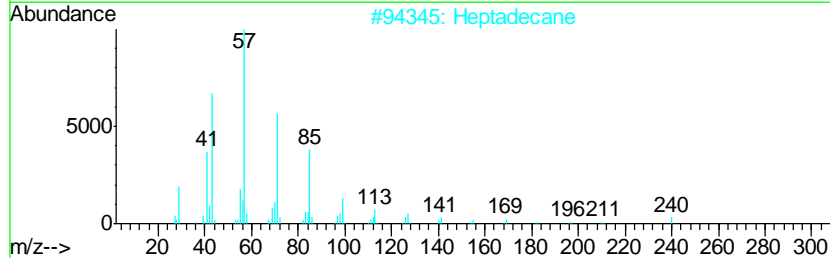
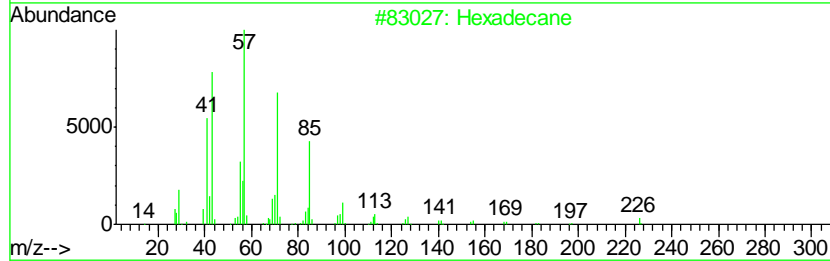
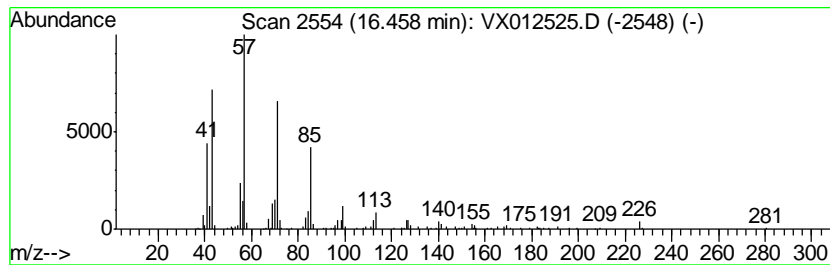
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

 Peak Number 5 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	6.63 ug/l	88687	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	98
2		Heptadecane	240	C17H36	000629-78-7	91
3		Heneicosane	296	C21H44	000629-94-7	90
4		Octadecane	254	C18H38	000593-45-3	90
5		Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091919\
 Data File : VX012525.D
 Acq On : 19 Sep 2019 14:01
 Operator : JC/SP
 Sample : K4888-03
 Misc : 6.51g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 981-S-2-(20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-[(2-ch...	1.66	11.4	ug/l	125163	1	5.65	549884	50.0
Heptadecane	13.48	6.1	ug/l	81579	4	12.07	668793	50.0
Pentadecane	15.56	5.1	ug/l	67995	4	12.07	668793	50.0
Hexadecane	16.46	6.6	ug/l	88687	4	12.07	668793	50.0

CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG No.: K4888
 Instrument ID: MSVOA_W Calibration Date(s): 09/20/2019 09/20/2019
 Heated Purge: (Y/N) Y Calibration Time(s): 12:43 14:53
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VW013177.D	RRF010 = VW013178.D	RRF020 = VW013179.D	RRF050 = VW013180.D	RRF100 = VW013181.D	RRF150 = VW013182.D	RRF	% RSD
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.311	0.280	0.299	0.269	0.291	0.280	0.288	5.2
Chloromethane	0.451	0.396	0.363	0.338	0.338	0.339	0.371	12.3
Vinyl Chloride	0.553	0.497	0.471	0.452	0.464	0.431	0.478	8.9
Bromomethane	0.349	0.310	0.290	0.296	0.291	0.282	0.303	8
Chloroethane	0.317	0.287	0.269	0.277	0.277	0.264	0.282	6.7
Trichlorofluoromethane	0.278	0.272	0.258	0.269	0.291	0.285	0.276	4.2
1,1,2-Trichlorotrifluoroethane	0.493	0.462	0.436	0.442	0.441	0.419	0.449	5.7
1,1-Dichloroethene	0.510	0.464	0.454	0.456	0.464	0.440	0.465	5.1
Acetone	0.104	0.096	0.082	0.087	0.092	0.090	0.092	8.4
Carbon Disulfide	1.417	1.297	1.290	1.346	1.385	1.323	1.343	3.8
Methyl tert-butyl Ether	0.776	0.718	0.689	0.713	0.710	0.666	0.712	5.2
Methyl Acetate	0.287	0.264	0.260	0.240	0.253	0.248	0.259	6.3
Methylene Chloride	0.699	0.545	0.486	0.482	0.471	0.445	0.521	17.8
trans-1,2-Dichloroethene	0.558	0.493	0.483	0.503	0.502	0.473	0.502	5.9
1,1-Dichloroethane	0.912	0.851	0.824	0.848	0.843	0.813	0.849	4.1
Cyclohexane	1.066	0.903	0.853	0.843	0.847	0.796	0.885	10.8
2-Butanone	0.151	0.146	0.133	0.129	0.136	0.134	0.138	6.2
Carbon Tetrachloride	0.454	0.432	0.414	0.439	0.442	0.425	0.434	3.2
cis-1,2-Dichloroethene	0.576	0.515	0.509	0.535	0.533	0.512	0.530	4.7
Bromochloromethane	0.335	0.304	0.280	0.352	0.345	0.338	0.326	8.6
Chloroform	0.950	0.832	0.803	0.807	0.813	0.780	0.831	7.3
1,1,1-Trichloroethane	0.746	0.655	0.657	0.672	0.666	0.641	0.673	5.6
Methylcyclohexane	0.654	0.613	0.603	0.630	0.632	0.602	0.622	3.2
Benzene	1.458	1.344	1.305	1.348	1.355	1.295	1.351	4.3
1,2-Dichloroethane	0.395	0.370	0.343	0.363	0.363	0.346	0.363	5.2
Trichloroethene	0.417	0.378	0.361	0.376	0.377	0.364	0.379	5.3
1,2-Dichloropropane	0.361	0.326	0.312	0.329	0.332	0.319	0.330	5.2
Bromodichloromethane	0.431	0.390	0.380	0.412	0.422	0.409	0.407	4.7
4-Methyl-2-Pentanone	0.195	0.206	0.188	0.194	0.207	0.197	0.198	3.8
Toluene	0.935	0.848	0.830	0.869	0.874	0.838	0.866	4.4
t-1,3-Dichloropropene	0.403	0.397	0.396	0.429	0.452	0.434	0.419	5.5
cis-1,3-Dichloropropene	0.512	0.486	0.476	0.513	0.540	0.526	0.509	4.7
1,1,2-Trichloroethane	0.253	0.241	0.230	0.236	0.243	0.233	0.239	3.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG No.: K4888
 Instrument ID: MSVOA_W Calibration Date(s): 09/20/2019 09/20/2019
 Heated Purge: (Y/N) Y Calibration Time(s): 12:43 14:53
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VW013177.D	RRF010 = VW013178.D	RRF020 = VW013179.D	RRF050 = VW013180.D	RRF100 = VW013181.D	RRF150 = VW013182.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.125	0.141	0.131	0.134	0.145	0.140	0.136	5.5
Dibromochloromethane	0.272	0.260	0.253	0.275	0.289	0.281	0.272	4.8
1,2-Dibromoethane	0.240	0.228	0.218	0.223	0.233	0.224	0.228	3.4
Tetrachloroethene	0.414	0.396	0.356	0.377	0.376	0.357	0.379	6
Chlorobenzene	1.148	1.041	1.007	1.029	1.042	0.998	1.044	5.2
Ethyl Benzene	1.981	1.896	1.820	1.921	1.910	1.823	1.892	3.3
m/p-Xylenes	0.751	0.718	0.697	0.736	0.727	0.697	0.721	3
o-Xylene	0.701	0.675	0.643	0.677	0.679	0.648	0.670	3.2
Styrene	1.172	1.135	1.113	1.186	1.174	1.124	1.151	2.6
Bromoform	0.181	0.192	0.177	0.189	0.199	0.192	0.188	4.3
Isopropylbenzene	3.784	3.723	3.514	3.750	3.775	3.616	3.694	2.9
1,1,2,2-Tetrachloroethane	0.654	0.651	0.575	0.605	0.623	0.599	0.618	5
1,3-Dichlorobenzene	1.807	1.691	1.613	1.697	1.694	1.606	1.685	4.3
1,4-Dichlorobenzene	1.766	1.652	1.581	1.668	1.664	1.583	1.652	4.1
1,2-Dichlorobenzene	1.534	1.450	1.400	1.470	1.470	1.420	1.457	3.2
1,2-Dibromo-3-Chloropropane	0.087	0.102	0.090	0.094	0.098	0.097	0.094	5.6
1,2,4-Trichlorobenzene	0.974	0.972	1.011	1.079	1.108	1.123	1.044	6.5
1,2,3-Trichlorobenzene	0.878	0.828	0.861	0.927	0.959	0.961	0.902	6.1
1,2-Dichloroethane-d4	0.458	0.416	0.372	0.410	0.401	0.391	0.408	7.1
Dibromofluoromethane	0.307	0.267	0.253	0.277	0.275	0.271	0.275	6.5
Toluene-d8	1.274	1.142	1.042	1.175	1.153	1.120	1.151	6.6
4-Bromofluorobenzene	0.442	0.390	0.352	0.397	0.396	0.382	0.393	7.4

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\
 Method File : 82W092019S.M
 Title : SW846 8260
 Last Update : Fri Sep 20 15:58:08 2019
 Response Via : Initial Calibration

Calibration Files

10 =VW013178.D 5 =VW013177.D 20 =VW013179.D
 50 =VW013180.D 100 =VW013181.D 150 =VW013182.D

Compound	10	5	20	50	100	150	Avg	%RSD
1) I Pentafluorobenzene	-----ISTD-----							
2) T Dichlorodifluorom	0.280	0.311	0.299	0.269	0.291	0.280	0.288	5.21
3) P Chloromethane	0.396	0.451	0.363	0.338	0.338	0.339	0.371	12.26
4) C Vinyl Chloride	0.497	0.553	0.471	0.452	0.464	0.431	0.478	8.90#
5) T Bromomethane	0.310	0.349	0.290	0.296	0.291	0.282	0.303	8.01
6) T Chloroethane	0.287	0.317	0.269	0.277	0.277	0.264	0.282	6.72
7) T Trichlorofluorome	0.272	0.278	0.258	0.269	0.291	0.285	0.276	4.25
8) T Diethyl Ether	0.225	0.264	0.227	0.234	0.235	0.228	0.235	6.18
9) T 1,1,2-Trichlorotr	0.462	0.493	0.436	0.442	0.441	0.419	0.449	5.71
10) T Methyl Iodide	0.684	0.761	0.674	0.695	0.696	0.664	0.696	4.91
11) T Tert butyl alcoho	0.039	0.047	0.032	0.027	0.028	0.029	0.034	23.67
12) CM 1,1-Dichloroethen	0.464	0.510	0.454	0.456	0.464	0.440	0.465	5.10#
13) T Acrolein	0.027	0.018	0.023	0.025	0.025	0.024	0.023	12.96
14) T Allyl chloride	0.720	0.796	0.706	0.741	0.748	0.726	0.740	4.23
15) T Acrylonitrile	0.102	0.105	0.099	0.099	0.103	0.101	0.102	2.39
16) T Acetone	0.096	0.104	0.082	0.087	0.092	0.090	0.092	8.41
17) T Carbon Disulfide	1.297	1.417	1.290	1.346	1.385	1.323	1.343	3.76
18) T Methyl Acetate	0.264	0.287	0.260	0.240	0.253	0.248	0.259	6.26
19) T Methyl tert-butyl	0.718	0.776	0.689	0.713	0.710	0.666	0.712	5.19
20) T Methylene Chlorid	0.545	0.699	0.486	0.482	0.471	0.445	0.521	17.82
21) T trans-1,2-Dichlor	0.493	0.558	0.483	0.503	0.502	0.473	0.502	5.87
22) T Diisopropyl ether	1.367	1.500	1.364	1.431	1.422	1.353	1.406	4.00
23) T Vinyl Acetate	0.815	0.834	0.809	0.842	0.873	0.833	0.834	2.71
24) P 1,1-Dichloroethan	0.851	0.912	0.824	0.848	0.843	0.813	0.849	4.08
25) T 2-Butanone	0.146	0.151	0.133	0.129	0.136	0.134	0.138	6.24
26) T 2,2-Dichloropropa	0.596	0.739	0.534	0.529	0.505	0.477	0.563	16.76
27) T cis-1,2-Dichloroe	0.515	0.576	0.509	0.535	0.533	0.512	0.530	4.71
28) T Bromochloromethan	0.304	0.335	0.280	0.352	0.345	0.338	0.326	8.55
29) T Tetrahydrofuran	0.085	0.085	0.084	0.082	0.088	0.085	0.085	2.34
30) C Chloroform	0.832	0.950	0.803	0.807	0.813	0.780	0.831	7.28#
31) T Cyclohexane	0.903	1.066	0.853	0.843	0.847	0.796	0.885	10.75
32) T 1,1,1-Trichloroet	0.655	0.746	0.657	0.672	0.666	0.641	0.673	5.56
33) S 1,2-Dichloroethan	0.416	0.458	0.372	0.410	0.401	0.391	0.408	7.13
34) I 1,4-Difluorobenzene	-----ISTD-----							
35) S Dibromofluorometh	0.267	0.307	0.253	0.277	0.275	0.271	0.275	6.47
36) T 1,1-Dichloroprope	0.493	0.527	0.466	0.477	0.482	0.461	0.484	4.91
37) T Ethyl Acetate	0.221	0.210	0.196	0.198	0.211	0.199	0.206	4.70
38) T Carbon Tetrachlor	0.432	0.454	0.414	0.439	0.442	0.425	0.434	3.21
39) T Methylcyclohexane	0.613	0.654	0.603	0.630	0.632	0.602	0.622	3.22
40) TM Benzene	1.344	1.458	1.305	1.348	1.355	1.295	1.351	4.29
41) T Methacrylonitrile	0.116	0.122	0.118	0.123	0.129	0.130	0.123	4.60
42) TM 1,2-Dichloroethan	0.370	0.395	0.343	0.363	0.363	0.346	0.363	5.17
43) T Isopropyl Acetate	0.416	0.389	0.372	0.385	0.411	0.394	0.394	4.19
44) TM Trichloroethene	0.378	0.417	0.361	0.376	0.377	0.364	0.379	5.30
45) C 1,2-Dichloropropa	0.326	0.361	0.312	0.329	0.332	0.319	0.330	5.18#
46) T Dibromomethane	0.160	0.172	0.152	0.159	0.163	0.155	0.160	4.39
47) T Bromodichlorometh	0.390	0.431	0.380	0.412	0.422	0.409	0.407	4.72
48) T Methyl methacryla	0.183	0.167	0.172	0.182	0.210	0.200	0.185	9.04
49) T 1,4-Dioxane	0.003	0.002	0.002	0.002	0.002	0.002	0.002	11.93
50) S Toluene-d8	1.142	1.274	1.042	1.175	1.153	1.120	1.151	6.56
51) T 4-Methyl-2-Pentan	0.206	0.195	0.188	0.194	0.207	0.197	0.198	3.80
52) CM Toluene	0.848	0.935	0.830	0.869	0.874	0.838	0.866	4.39#

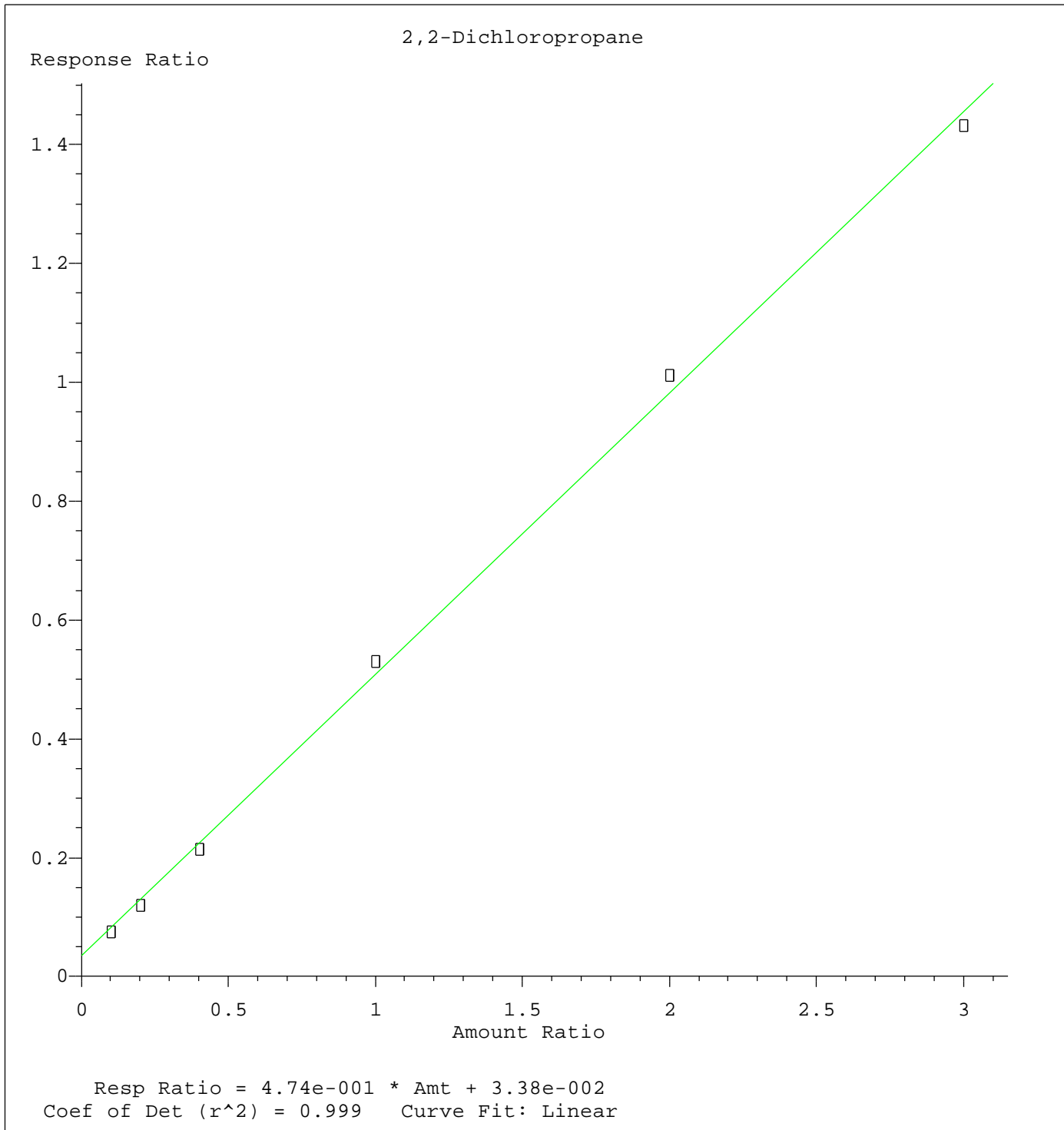
Method Path : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\
 Method File : 82W092019S.M
 Title : SW846 8260
 Last Update : Fri Sep 20 15:58:08 2019
 Response Via : Initial Calibration

Calibration Files

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 50 =VW013180.D 100 =VW013181.D 150 =VW013182.D

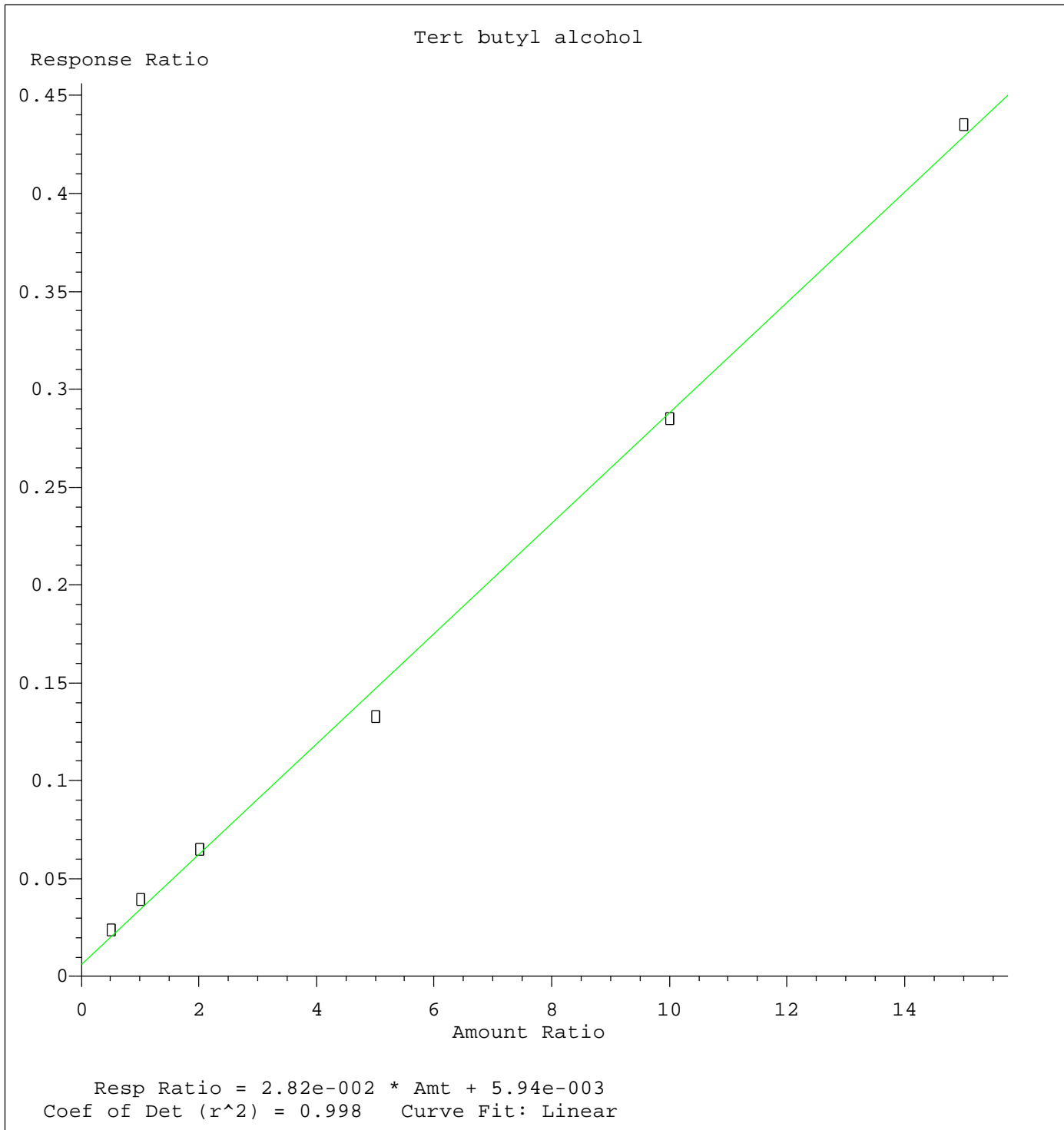
	Compound	10	5	20	50	100	150	Avg	%RSD
53) T	t-1,3-Dichloropro	0.397	0.403	0.396	0.429	0.452	0.434	0.419	5.48
54) T	cis-1,3-Dichlorop	0.486	0.512	0.476	0.513	0.540	0.526	0.509	4.72
55) T	1,1,2-Trichloroet	0.241	0.253	0.230	0.236	0.243	0.233	0.239	3.56
56) T	Ethyl methacrylat	0.309	0.279	0.303	0.320	0.341	0.328	0.313	6.94
57) T	1,3-Dichloropropa	0.410	0.449	0.396	0.419	0.422	0.410	0.418	4.21
58) T	2-Chloroethyl Vin	0.139	0.142	0.134	0.153	0.154	0.148	0.145	5.51
59) T	2-Hexanone	0.141	0.125	0.131	0.134	0.145	0.140	0.136	5.48
60) T	Dibromochlorometh	0.260	0.272	0.253	0.275	0.289	0.281	0.272	4.82
61) T	1,2-Dibromoethane	0.228	0.240	0.217	0.223	0.233	0.224	0.228	3.45
62) S	4-Bromofluorobenz	0.390	0.442	0.352	0.397	0.396	0.382	0.393	7.42
63) I	Chlorobenzene-d5	-----ISTD-----							
64) T	Tetrachloroethene	0.396	0.414	0.356	0.377	0.376	0.357	0.379	5.96
65) PM	Chlorobenzene	1.041	1.148	1.007	1.029	1.042	0.998	1.044	5.17
66) T	1,1,1,2-Tetrachlo	0.345	0.368	0.344	0.361	0.370	0.352	0.357	3.14
67) C	Ethyl Benzene	1.896	1.981	1.820	1.921	1.910	1.823	1.892	3.26#
68) T	m/p-Xylenes	0.718	0.751	0.697	0.736	0.727	0.697	0.721	3.00
69) T	o-Xylene	0.675	0.701	0.643	0.677	0.679	0.648	0.670	3.21
70) T	Styrene	1.135	1.172	1.113	1.186	1.174	1.124	1.151	2.62
71) P	Bromoform	0.192	0.181	0.177	0.189	0.199	0.192	0.188	4.32
72) I	1,4-Dichlorobenzene-d	-----ISTD-----							
73) T	Isopropylbenzene	3.723	3.784	3.514	3.750	3.775	3.616	3.694	2.90
74) T	N-amyl acetate	0.816	0.772	0.768	0.834	0.878	0.850	0.820	5.32
75) P	1,1,2,2-Tetrachlo	0.651	0.654	0.575	0.605	0.623	0.599	0.618	5.02
76) T	1,2,3-Trichloropr	0.514	0.498	0.371	0.467	0.407	0.393	0.442	13.41
77) T	Bromobenzene	0.882	0.920	0.820	0.901	0.885	0.844	0.875	4.24
78) T	n-propylbenzene	4.300	4.473	4.124	4.423	4.414	4.207	4.323	3.17
79) T	2-Chlorotoluene	2.397	2.561	2.316	2.462	2.451	2.345	2.422	3.67
80) T	1,3,5-Trimethylbe	3.138	3.217	2.948	3.165	3.164	2.998	3.105	3.43
81) T	trans-1,4-Dichlor	0.191	0.169	0.186	0.199	0.220	0.216	0.197	9.71
82) T	4-Chlorotoluene	2.558	2.719	2.463	2.550	2.571	2.466	2.554	3.66
83) T	tert-Butylbenzene	2.751	2.809	2.623	2.792	2.755	2.620	2.725	3.05
84) T	1,2,4-Trimethylbe	3.138	3.192	2.994	3.149	3.108	2.956	3.090	3.02
85) T	sec-Butylbenzene	3.763	3.939	3.589	3.865	3.790	3.596	3.757	3.77
86) T	p-Isopropyltoluen	3.491	3.628	3.337	3.580	3.506	3.366	3.485	3.30
87) T	1,3-Dichlorobenze	1.691	1.807	1.613	1.697	1.694	1.606	1.685	4.32
88) T	1,4-Dichlorobenze	1.652	1.766	1.581	1.668	1.664	1.583	1.652	4.12
89) T	n-Butylbenzene	3.067	3.283	3.054	3.298	3.261	3.129	3.182	3.51
90) T	Hexachloroethane	0.572	0.580	0.544	0.606	0.619	0.592	0.585	4.52
91) T	1,2-Dichlorobenze	1.450	1.534	1.399	1.470	1.470	1.420	1.457	3.21
92) T	1,2-Dibromo-3-Chl	0.102	0.087	0.090	0.094	0.098	0.097	0.094	5.59
93) T	1,2,4-Trichlorobe	0.972	0.974	1.011	1.079	1.108	1.123	1.044	6.46
94) T	Hexachlorobutadie	0.704	0.776	0.700	0.716	0.698	0.692	0.714	4.35
95) T	Naphthalene	1.533	1.432	1.634	1.806	1.905	1.937	1.708	12.09
96) T	1,2,3-Trichlorobe	0.828	0.878	0.861	0.927	0.959	0.961	0.902	6.06

(#) = Out of Range



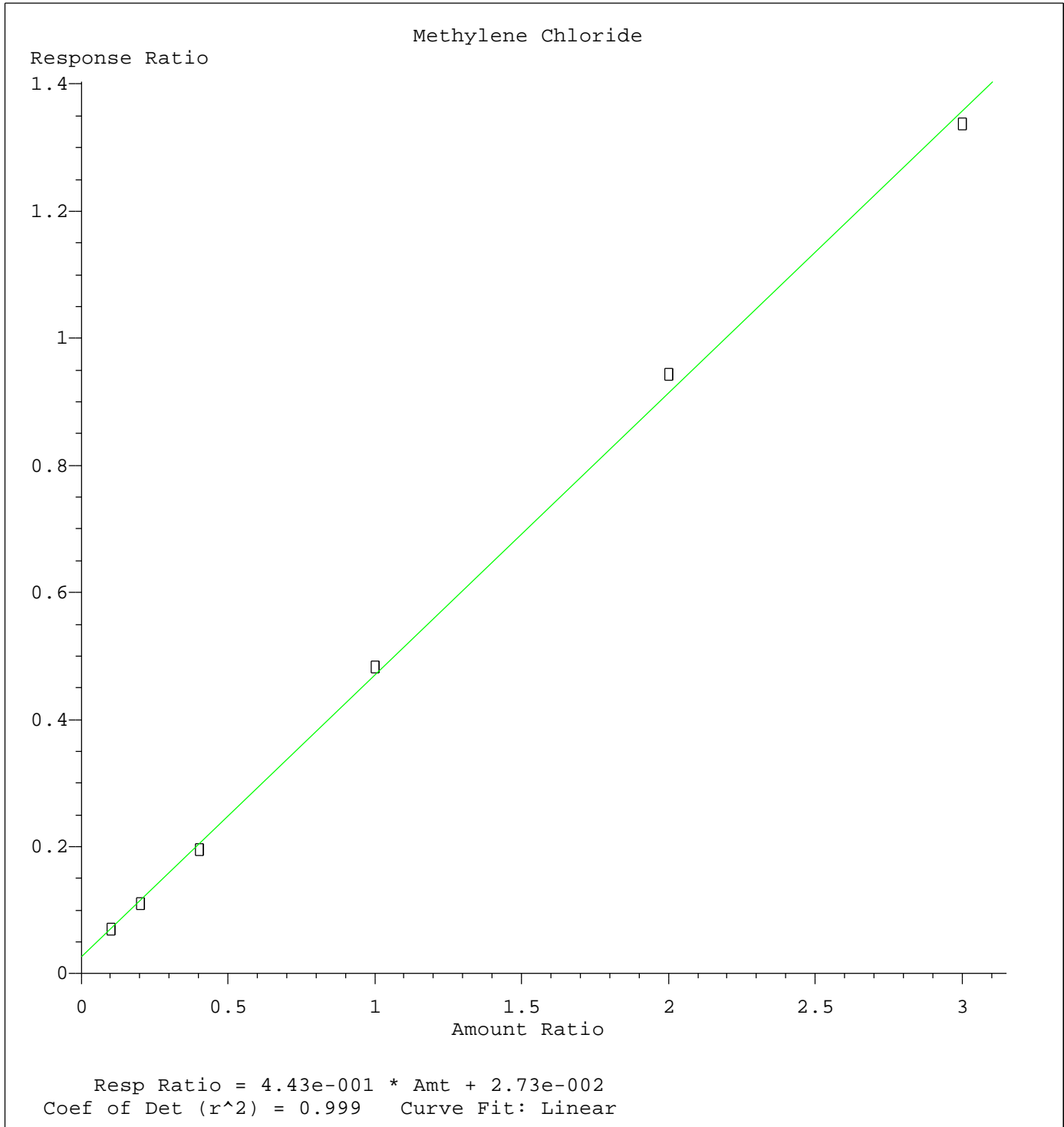
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Calibration Table Last Updated: Fri Sep 20 15:58:08 2019



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Calibration Table Last Updated: Fri Sep 20 15:58:08 2019



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- 17
- 18

Method Name: Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Calibration Table Last Updated: Fri Sep 20 15:58:08 2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:40 AM

Quant Time: Sep 20 15:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	335814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	427372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	216312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	15396	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	= 10.20%		
35) Dibromofluoromethane	7.88	113	15106	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	= 11.36%		
50) Toluene-d8	10.32	98	62695	5.97	ug/l	0.00
Spiked Amount	50.000		Recovery	= 11.94%		
62) 4-Bromofluorobenzene	12.62	95	21761	5.79	ug/l	0.00
Spiked Amount	50.000		Recovery	= 11.58%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	10431	6.862	ug/l 100
3) Chloromethane	2.21	50	15149	7.820	ug/l 95
4) Vinyl Chloride	2.35	62	18559	7.330	ug/l 94
5) Bromomethane	2.77	94	11704	7.451	ug/l 97
6) Chloroethane	2.92	64	10645	6.891	ug/l 100
7) Trichlorofluoromethane	3.26	101	9351	5.505	ug/l 93
8) Diethyl Ether	3.68	74	8869	6.533	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16543	6.302	ug/l 98
10) Methyl Iodide	4.27	142	25543	7.442	ug/l 98
11) Tert butyl alcohol	5.20	59	7946m	33.787	ug/l
12) 1,1-Dichloroethene	4.04	96	17111	6.993	ug/l 89
13) Acrolein	3.89	56	2977	13.975	ug/l 97
14) Allyl chloride	4.67	41	26720	5.955	ug/l 98
15) Acrylonitrile	5.38	53	17691	26.469	ug/l 97
16) Acetone	4.13	43	17531	24.636	ug/l 95
17) Carbon Disulfide	4.38	76	47600	8.835	ug/l 100
18) Methyl Acetate	4.68	43	9635	5.483	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	26068	5.680	ug/l 94
20) Methylene Chloride	4.91	84	23476	7.787	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	18731	7.125	ug/l 94
22) Diisopropyl ether	6.31	45	50372	5.488	ug/l 91
23) Vinyl Acetate	6.25	43	140041	25.661	ug/l 99
24) 1,1-Dichloroethane	6.21	63	30643	5.732	ug/l 99
25) 2-Butanone	7.18	43	25381	26.282	ug/l 99
26) 2,2-Dichloropropane	7.16	77	24802	6.646	ug/l 92
27) cis-1,2-Dichloroethene	7.17	96	19335	6.284	ug/l 90
28) Bromochloromethane	7.52	49	11261	5.028	ug/l 98
29) Tetrahydrofuran	7.53	42	14195	25.454	ug/l 99
30) Chloroform	7.68	83	31886	5.939	ug/l 96
31) Cyclohexane	7.95	56	35794	7.540	ug/l # 76
32) 1,1,1-Trichloroethane	7.87	97	25050	5.657	ug/l 99
36) 1,1-Dichloropropene	8.08	75	25922	6.387	ug/l 97
37) Ethyl Acetate	7.26	43	10323	4.999	ug/l # 89
38) Carbon Tetrachloride	8.06	117	22349	5.494	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:40 AM

Quant Time: Sep 20 15:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32192	6.958	ug/l	94
40) Benzene	8.32	78	71751	6.332	ug/l	95
41) Methacrylonitrile	7.48	41	5981	4.445	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19427	5.319	ug/l	98
43) Isopropyl Acetate	8.43	43	19140	4.843	ug/l	95
44) Trichloroethene	9.09	130	20532	6.571	ug/l	89
45) 1,2-Dichloropropane	9.37	63	17783	6.017	ug/l	100
46) Dibromomethane	9.46	93	8468	5.966	ug/l	98
47) Bromodichloromethane	9.64	83	21209	5.419	ug/l	95
48) Methyl methacrylate	9.43	41	8196	4.409	ug/l	91
49) 1,4-Dioxane	9.47	88	2359	103.749	ug/l #	53
51) 4-Methyl-2-Pentanone	10.21	43	48007	23.627	ug/l	99
52) Toluene	10.38	92	46016	6.385	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	19852	5.017	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	25216	5.519	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	12466	5.785	ug/l	96
56) Ethyl methacrylate	10.65	69	13711	4.755	ug/l	90
57) 1,3-Dichloropropane	10.93	76	22084	5.792	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	35033	22.966	ug/l	98
59) 2-Hexanone	10.97	43	30816	21.896	ug/l	100
60) Dibromochloromethane	11.13	129	13377	5.197	ug/l	100
61) 1,2-Dibromoethane	11.23	107	11789	5.978	ug/l	99
64) Tetrachloroethene	10.86	164	17698	6.664	ug/l	94
65) Chlorobenzene	11.66	112	49060	6.283	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	15710	5.359	ug/l	97
67) Ethyl Benzene	11.73	91	84656	5.893	ug/l	100
68) m/p-Xylenes	11.84	106	64190	12.126	ug/l	97
69) o-Xylene	12.16	106	29947	6.051	ug/l	99
70) Styrene	12.18	104	50080	5.710	ug/l	100
71) Bromoform	12.35	173	7737	5.051	ug/l #	95
73) Isopropylbenzene	12.46	105	81858	5.620	ug/l	99
74) N-amyl acetate	12.27	43	16697	4.572	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	14141	5.616	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10765m	5.705	ug/l	
77) Bromobenzene	12.75	156	19907	5.866	ug/l	99
78) n-propylbenzene	12.80	91	96757	5.651	ug/l	98
79) 2-Chlorotoluene	12.89	91	55397	5.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	69583	5.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3658	4.386	ug/l	93
82) 4-Chlorotoluene	12.99	91	58821	5.713	ug/l	97
83) tert-Butylbenzene	13.21	119	60769	5.532	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	69038	5.665	ug/l	99
85) sec-Butylbenzene	13.38	105	85205	5.675	ug/l	99
86) p-Isopropyltoluene	13.50	119	78484	5.685	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39086	5.866	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	38190	5.846	ug/l	94
89) n-Butylbenzene	13.82	91	71009	5.483	ug/l	98
90) Hexachloroethane	14.10	117	12546	5.111	ug/l	95
91) 1,2-Dichlorobenzene	13.86	146	33176	5.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1886	4.164	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

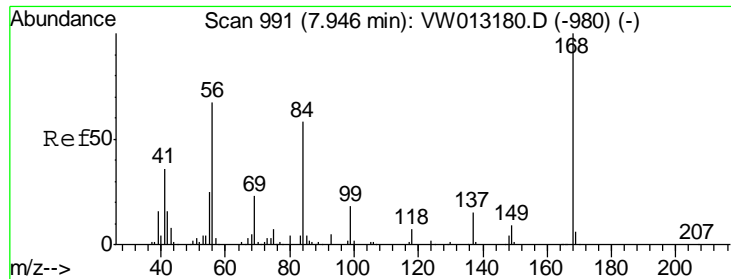
Manual Integrations
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 9/24/2019 5:28:40 AM

Quant Time: Sep 20 15:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	21061	5.043	ug/l	100
94) Hexachlorobutadiene	15.23	225	16777	5.703	ug/l	98
95) Naphthalene	15.36	128	30972	4.473	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	19002	5.164	ug/l	94

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



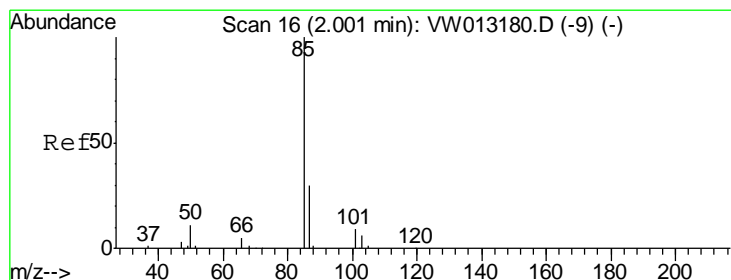
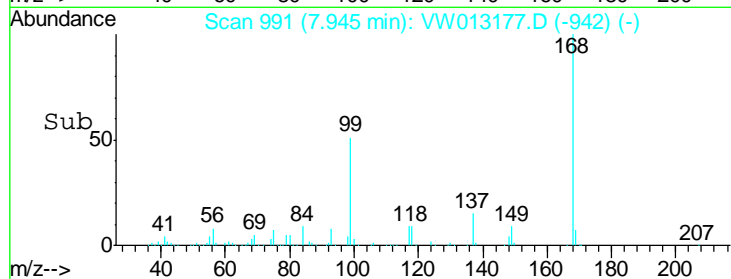
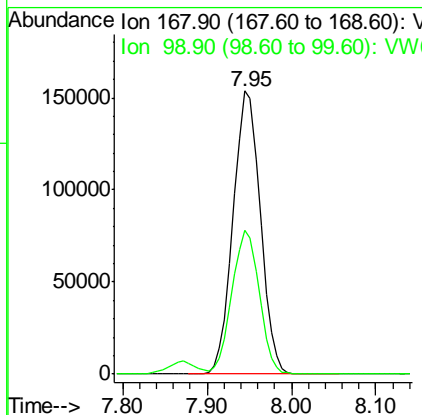
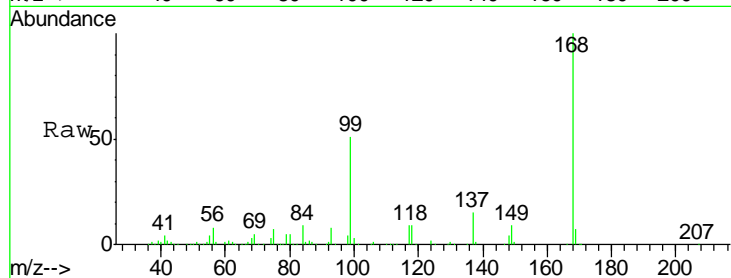
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 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.9	40.2	60.4

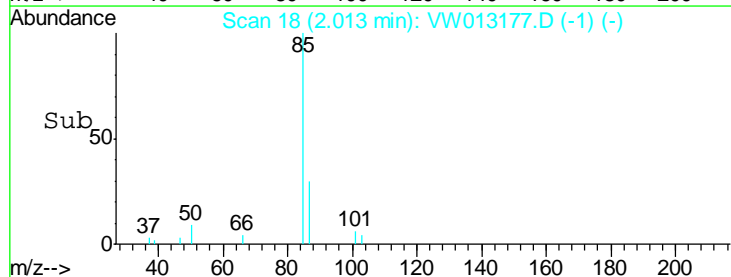
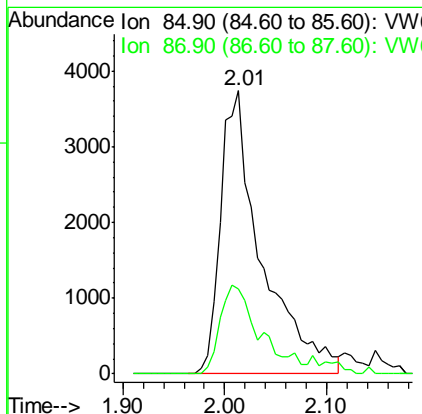
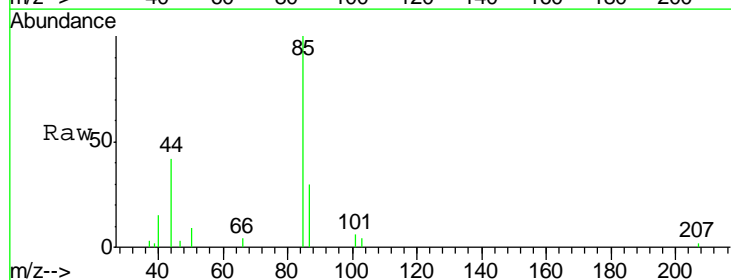
Manual Integrations
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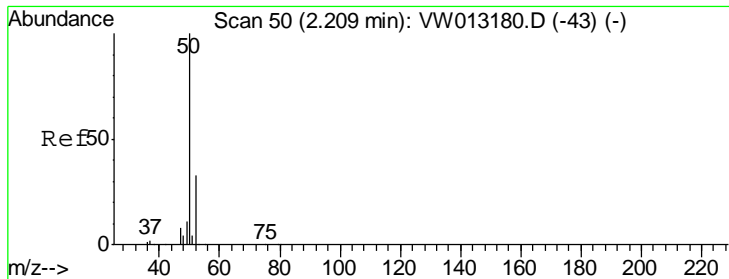
MMDadoda
 9/24/2019 5:28:40 AM



#2
 Dichlorodifluoromethane
 Concen: 6.862 ug/l
 RT: 2.01 min Scan# 18
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.1	15.1	45.3





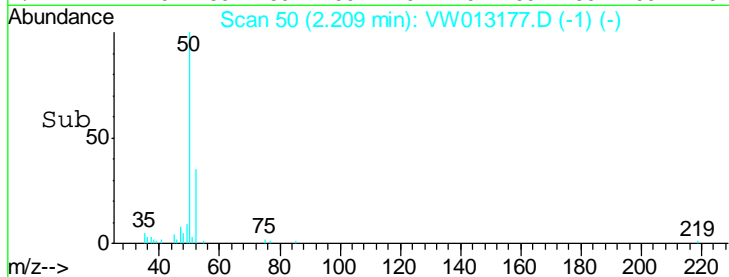
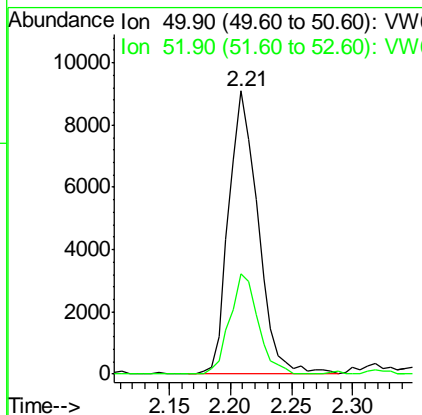
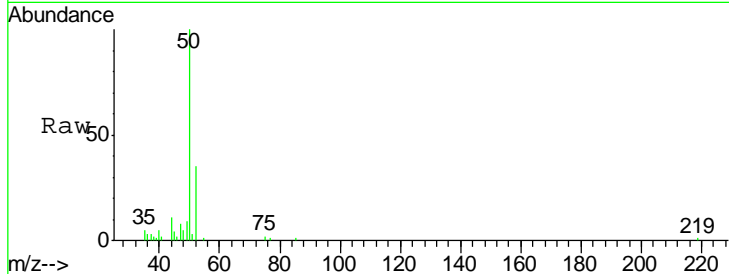
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 Chloromethane
 Concen: 7.820 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
50	15149		
52	35.3	26.1	39.1

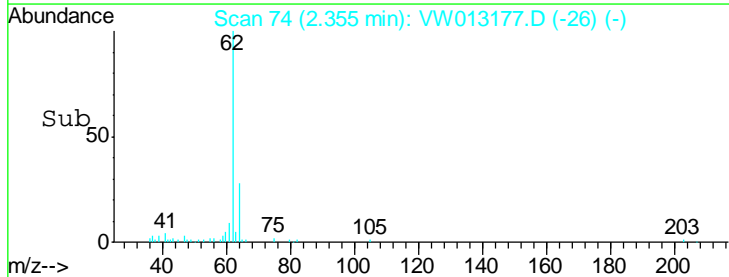
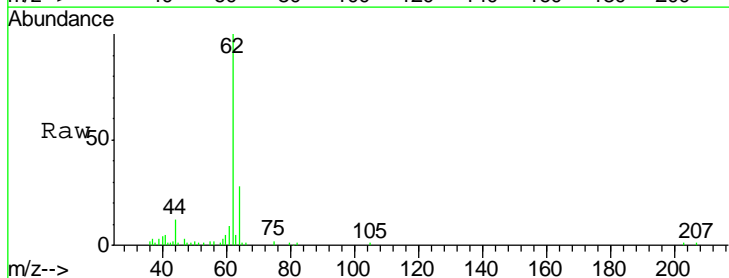
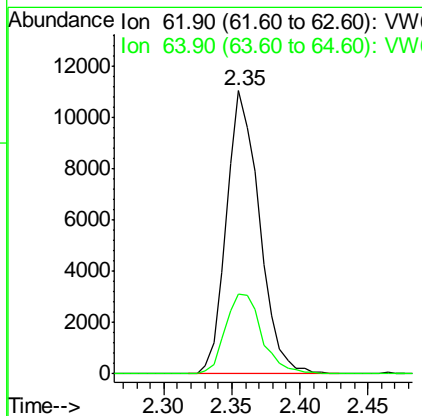
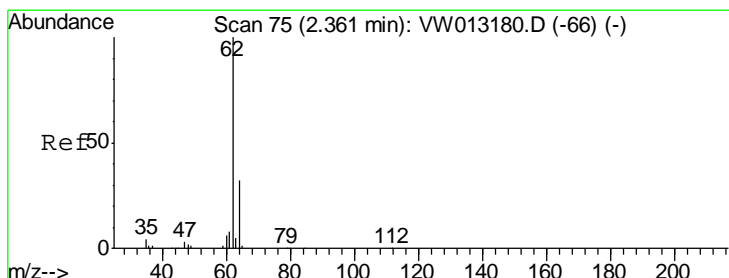
Manual Integrations
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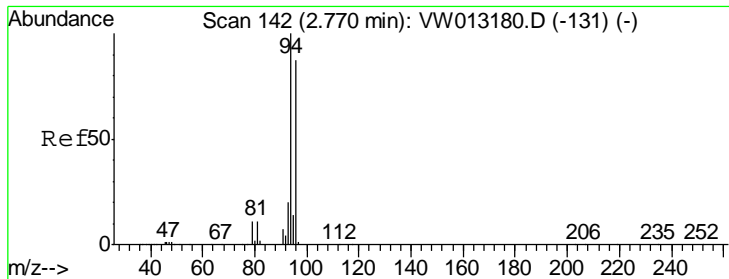
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 9/24/2019 5:28:40 AM



#4
 Vinyl Chloride
 Concen: 7.330 ug/l
 RT: 2.35 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
62	18559		
64	28.3	25.3	37.9



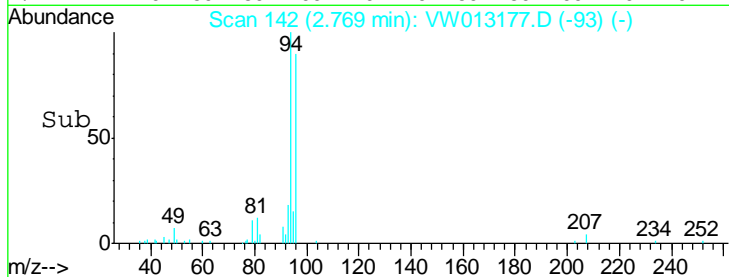
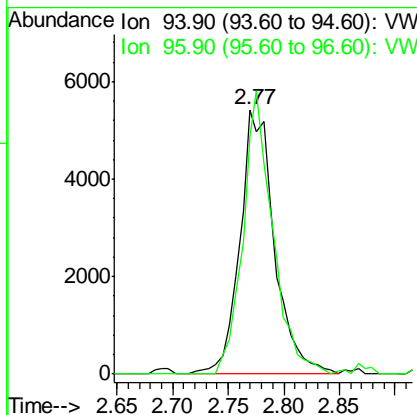
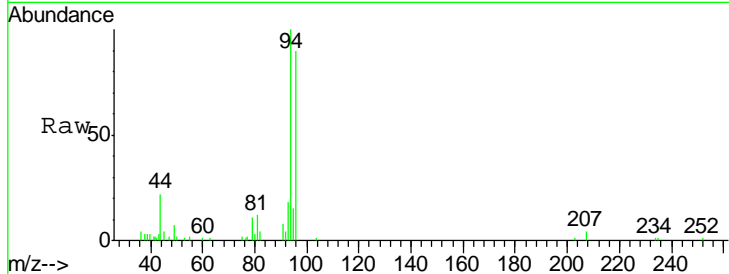


#5
 Bromomethane
 Concen: 7.451 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
94	11704		
96	89.9	69.7	104.5

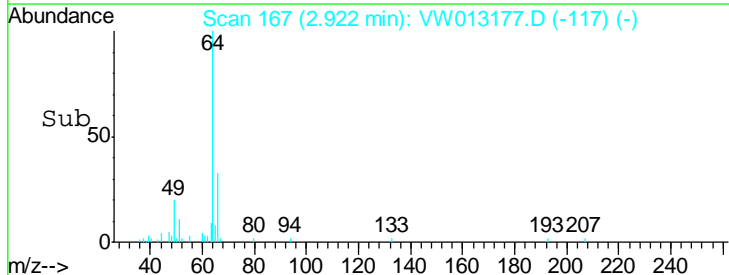
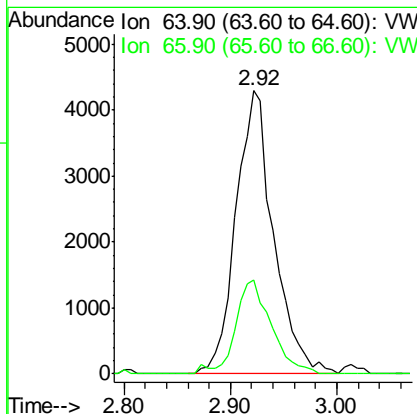
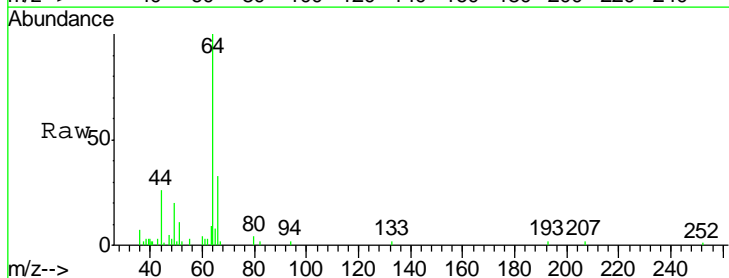
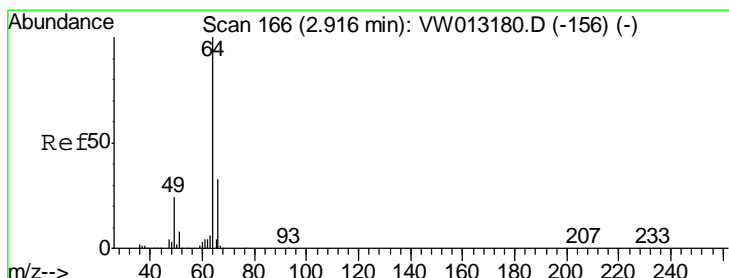
Instrument : MSVOA_W
 ClientSampled : VSTDIC005

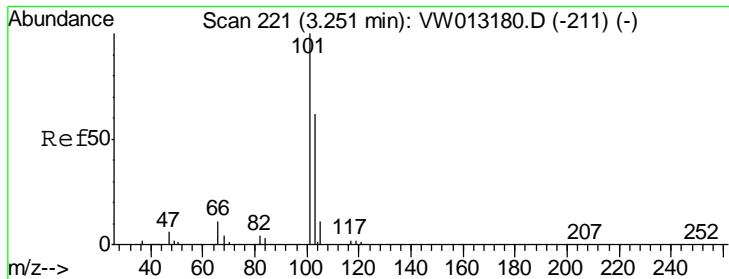
Manual Integrations APPROVED
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 9/24/2019 5:28:40 AM



#6
 Chloroethane
 Concen: 6.891 ug/l
 RT: 2.92 min Scan# 167
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
64	10645		
66	33.2	26.6	39.8





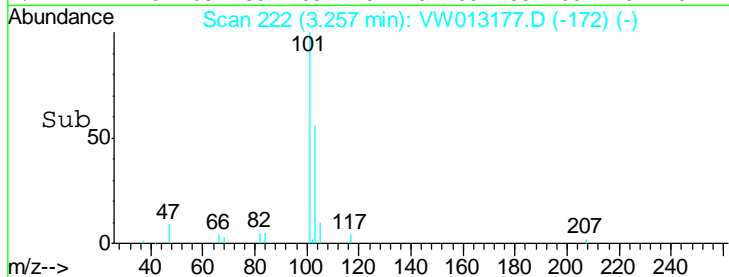
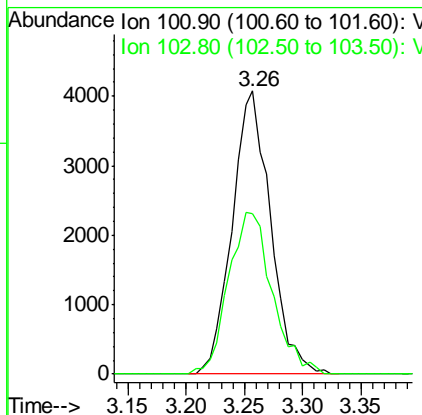
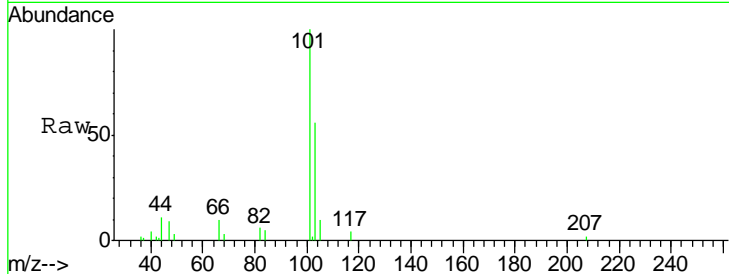
#7
 Trichlorofluoromethane
 Concen: 5.505 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	9351		
103	56.5	49.7	74.5

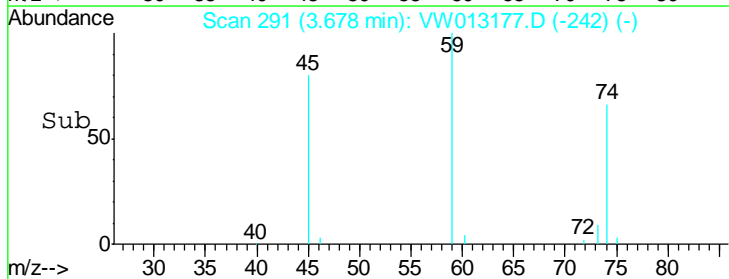
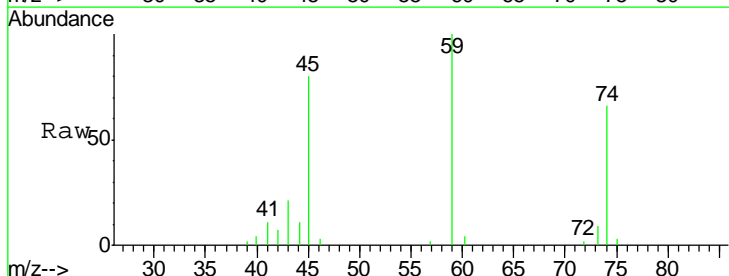
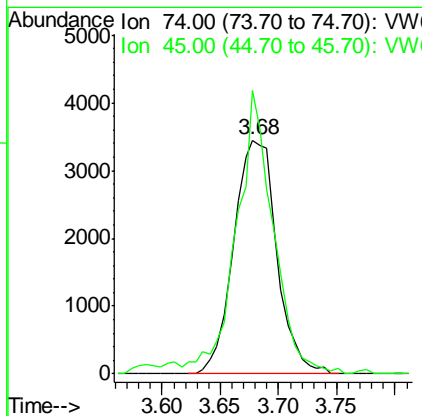
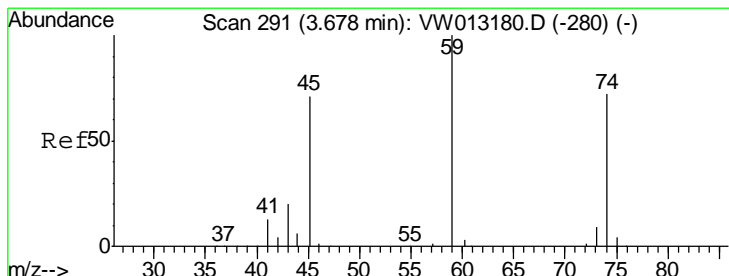
Manual Integrations
 APPROVED

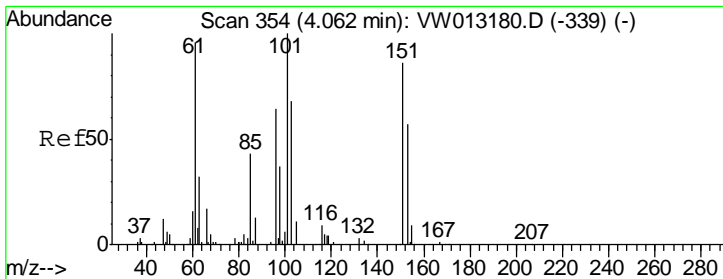
MMDadoda
 9/24/2019 5:28:40 AM



#8
 Diethyl Ether
 Concen: 6.533 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
74	8869		
45	104.2	49.5	148.7





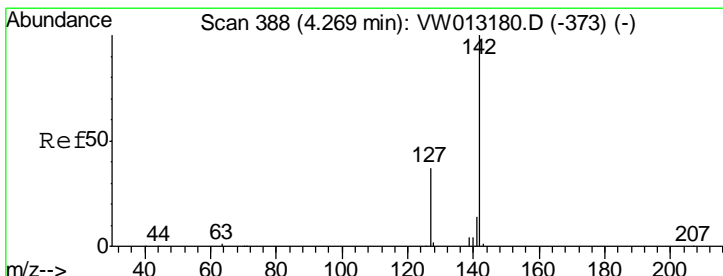
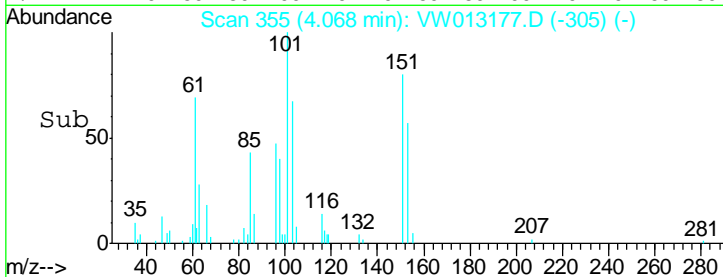
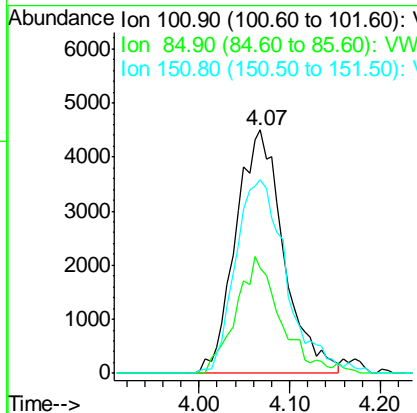
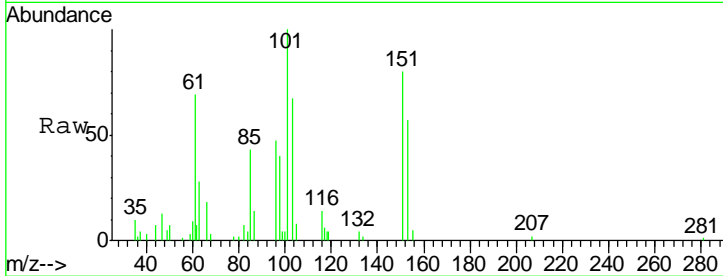
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.302 ug/l
 RT: 4.07 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	16543		
101	100		
85	43.9	33.4	50.0
151	84.7	66.9	100.3

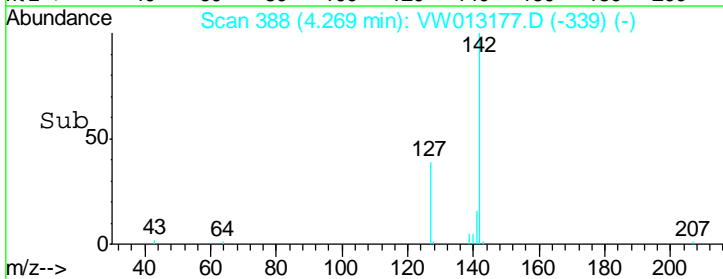
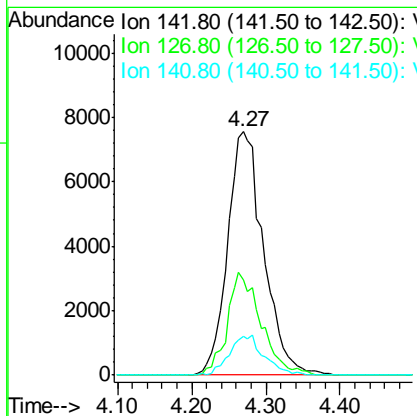
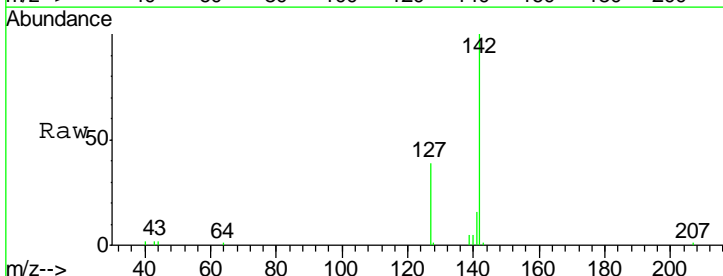
Manual Integrations
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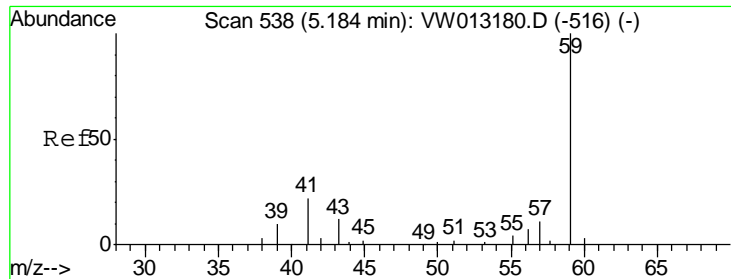
MMDadoda
 9/24/2019 5:28:40 AM



#10
 Methyl Iodide
 Concen: 7.442 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
142	25543		
142	100		
127	39.5	30.9	46.3
141	15.7	11.7	17.5





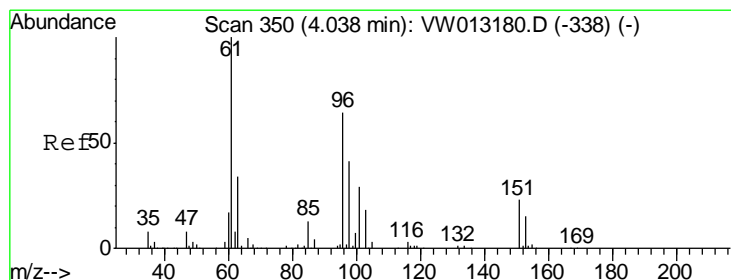
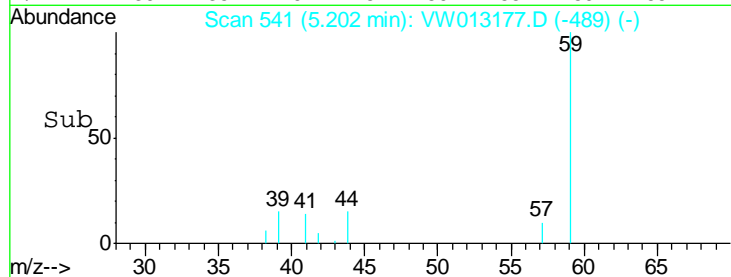
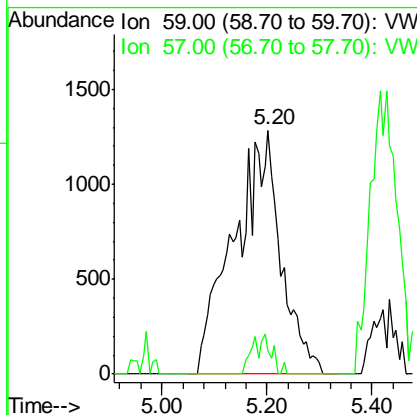
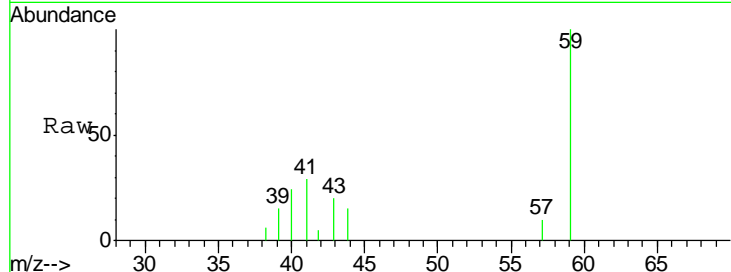
#11
 Tert butyl alcohol
 Concen: 33.787 ug/l m
 RT: 5.20 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
59	100		
57	2.8	8.2	12.2#

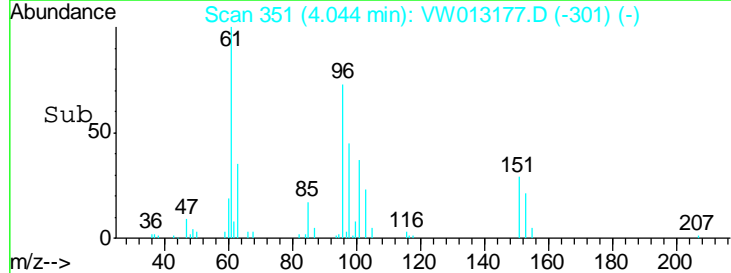
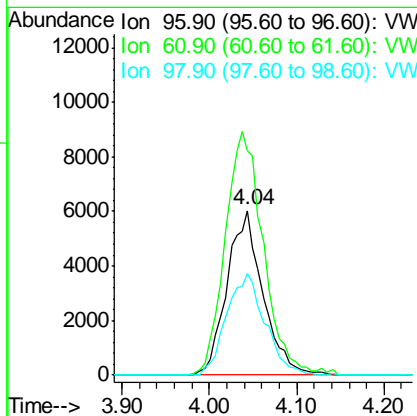
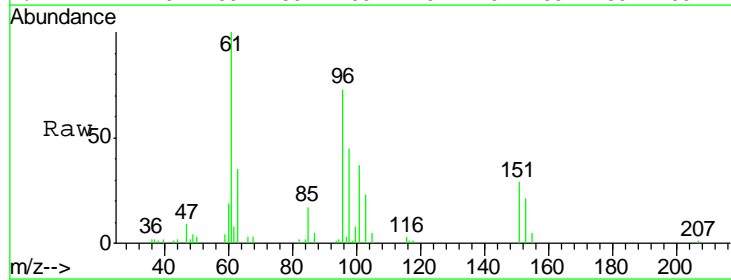
Manual Integrations
 APPROVED

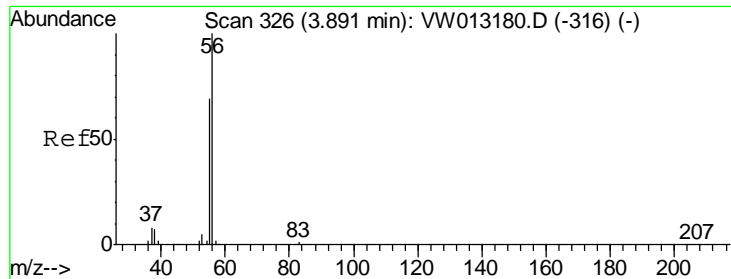
MMDadoda
 9/24/2019 5:28:40 AM



#12
 1,1-Dichloroethene
 Concen: 6.993 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
96	100		
61	137.0	125.1	187.7
98	61.8	50.8	76.2





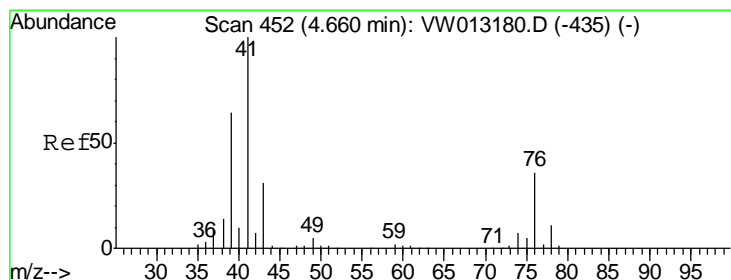
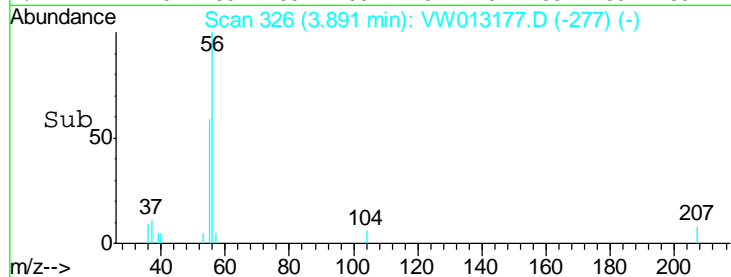
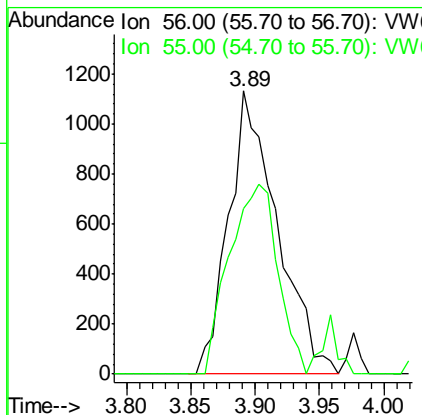
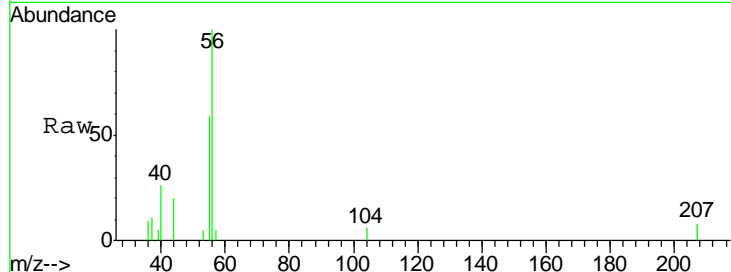
#13
 Acrolein
 Concen: 13.975 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
56	100		
55	66.8	55.4	83.0

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

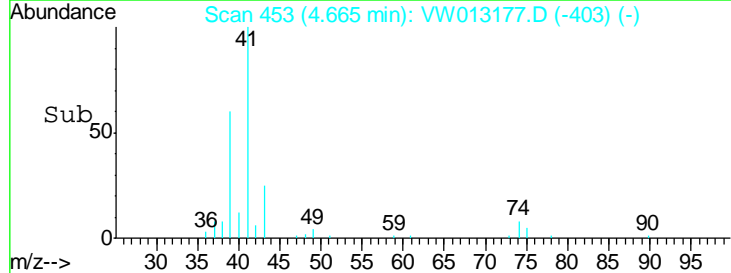
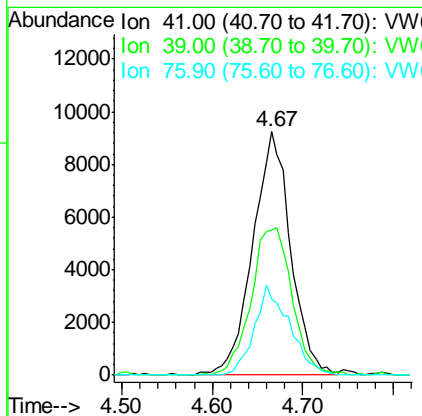
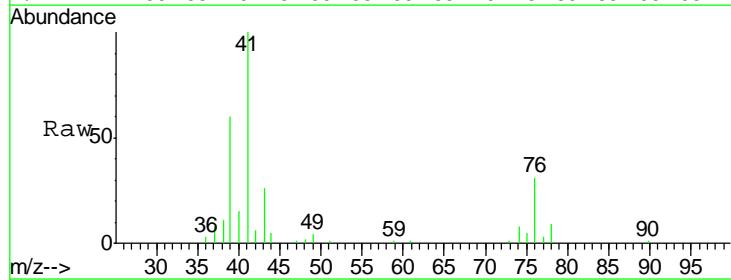
Manual Integrations
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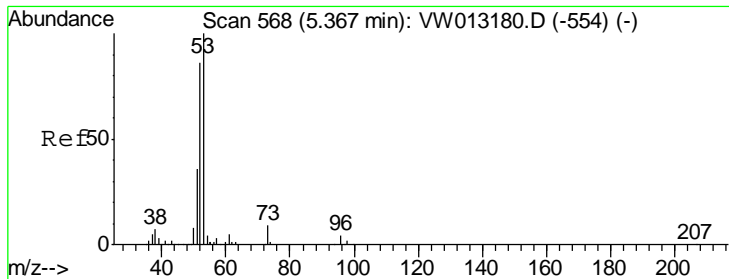
MMDadoda
 9/24/2019 5:28:40 AM



#14
 Allyl chloride
 Concen: 5.955 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
41	100		
39	65.4	51.0	76.4
76	34.1	28.4	42.6





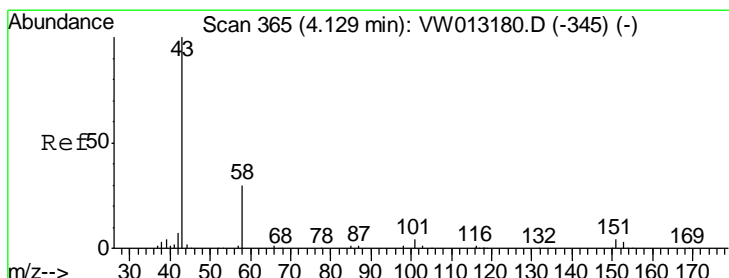
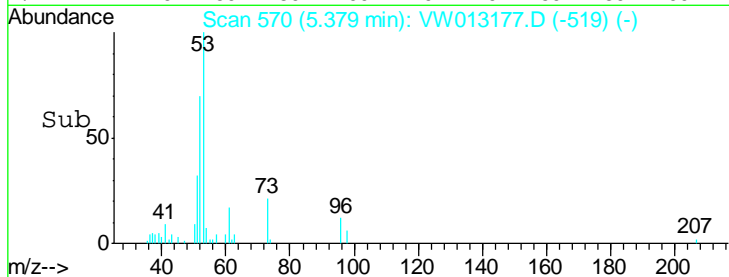
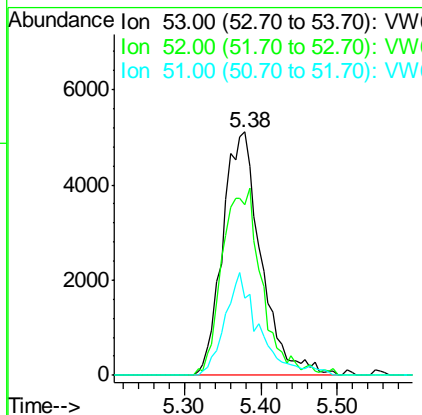
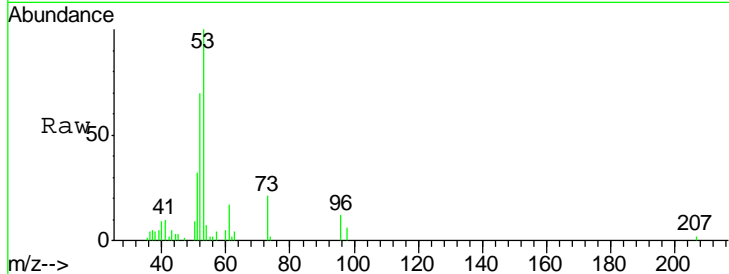
#15
 Acrylonitrile
 Concen: 26.469 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
53	17691		
52	77.7	65.3	97.9
51	36.9	29.0	43.4

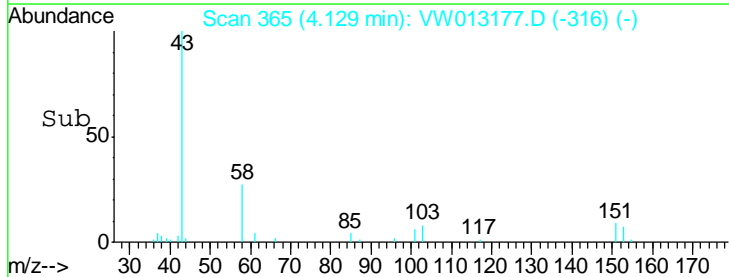
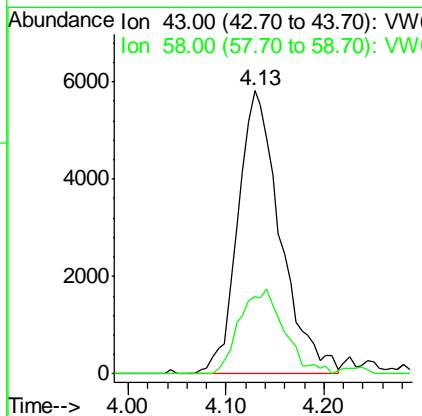
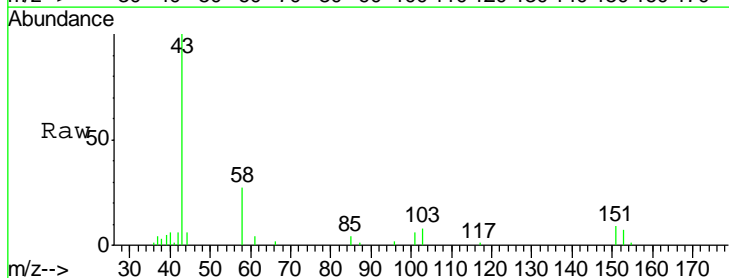
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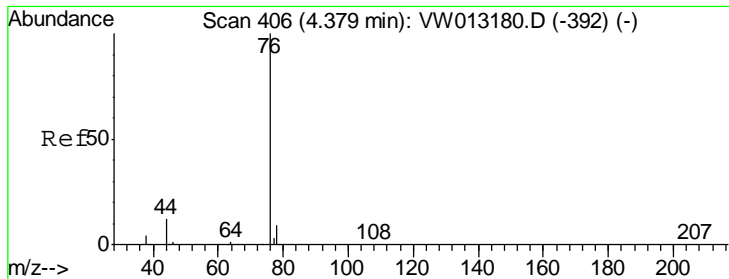
MMDadoda
 9/24/2019 5:28:40 AM



#16
 Acetone
 Concen: 24.636 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
43	17531		
58	27.1	24.1	36.1





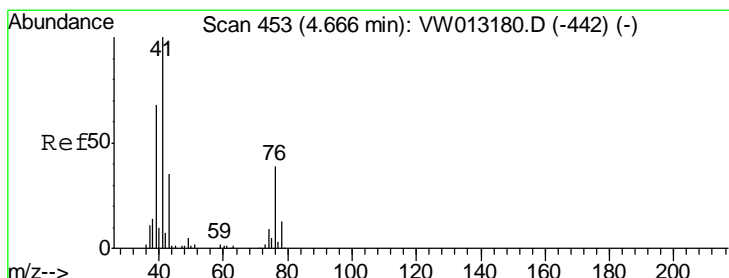
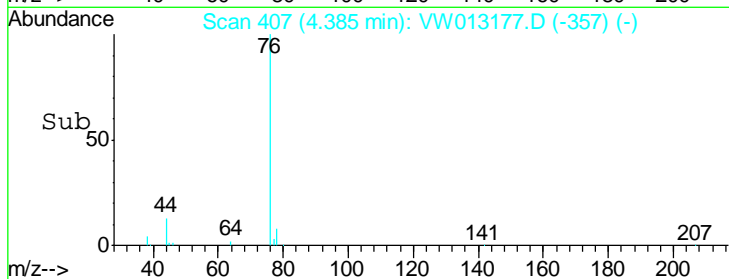
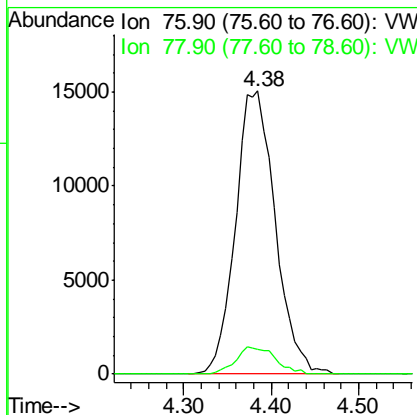
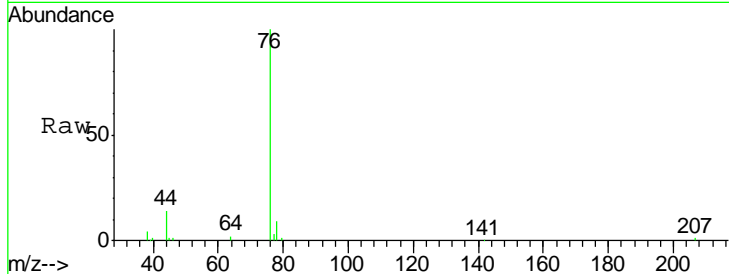
#17
 Carbon Disulfide
 Concen: 8.835 ug/l
 RT: 4.38 min Scan# 407
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	47600		
78	8.8	7.0	10.4

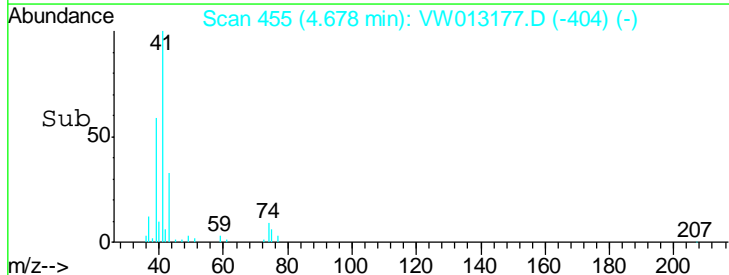
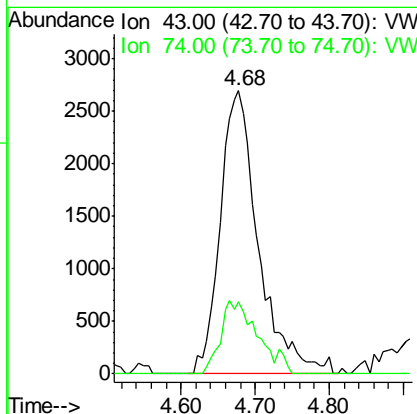
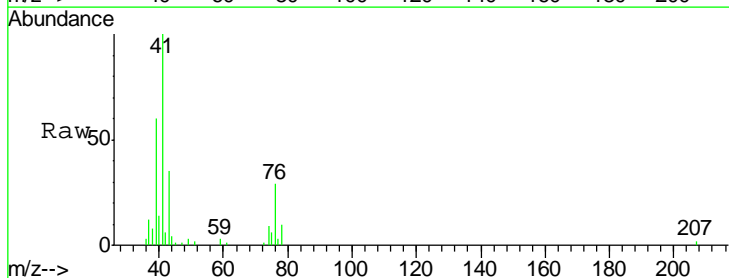
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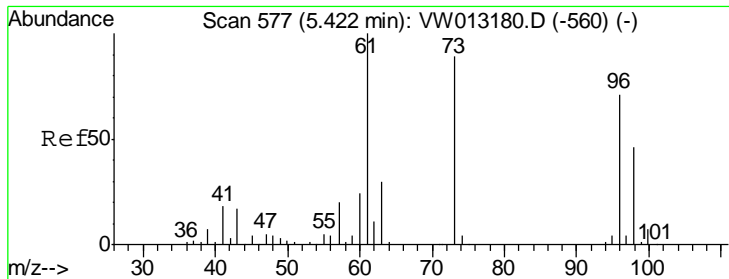
MMDadoda
 9/24/2019 5:28:40 AM



#18
 Methyl Acetate
 Concen: 5.483 ug/l
 RT: 4.68 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
43	9635		
74	23.5	19.3	28.9





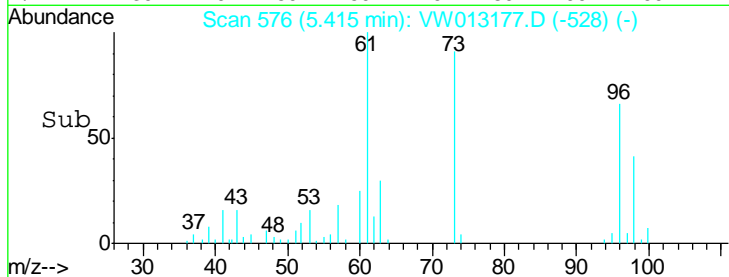
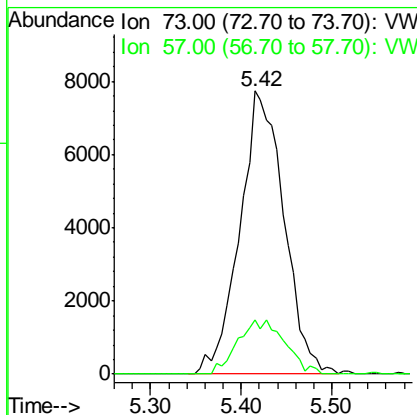
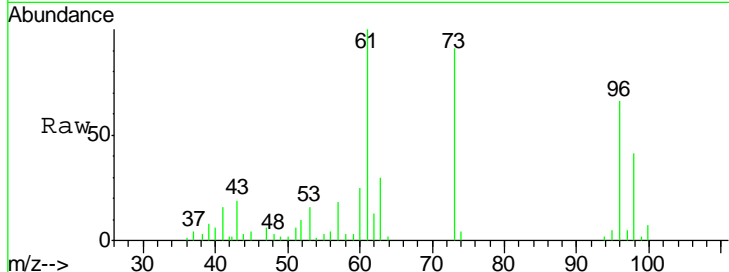
#19
 Methyl tert-butyl Ether
 Concen: 5.680 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
73	26068		
73	100		
57	19.3	17.6	26.4

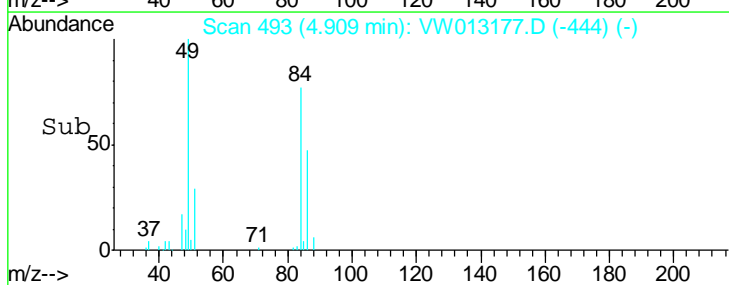
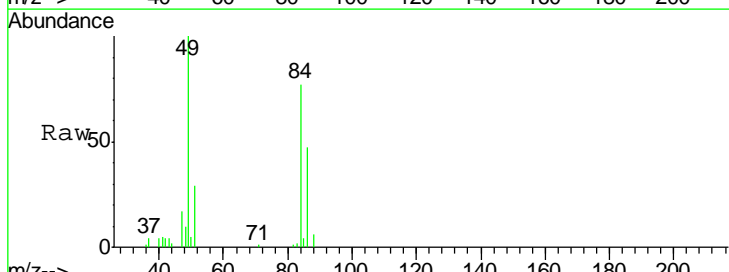
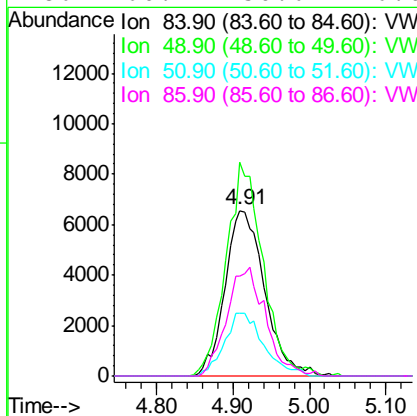
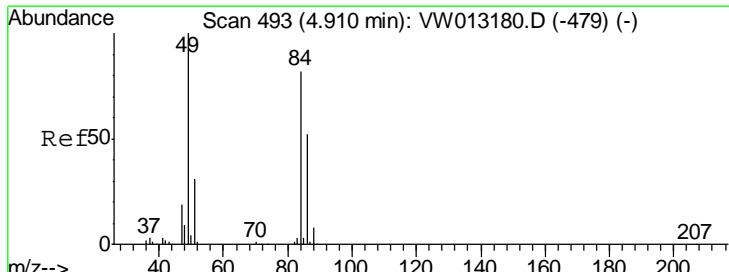
Manual Integrations
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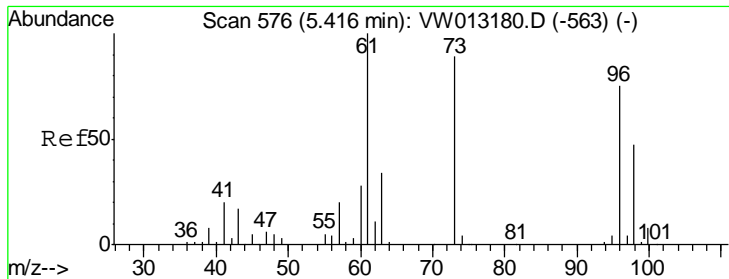
MMDadoda
 9/24/2019 5:28:40 AM



#20
 Methylene Chloride
 Concen: 7.787 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
84	23476		
84	100		
49	129.2	97.6	146.4
51	37.6	30.2	45.2
86	60.1	50.6	76.0





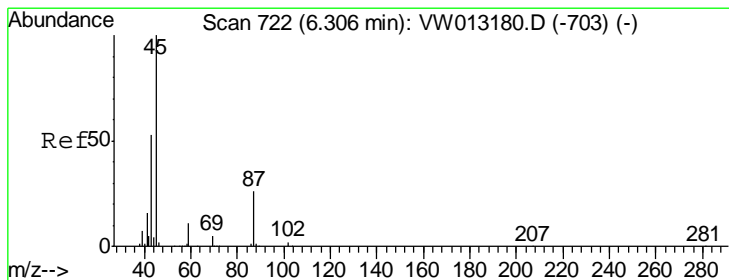
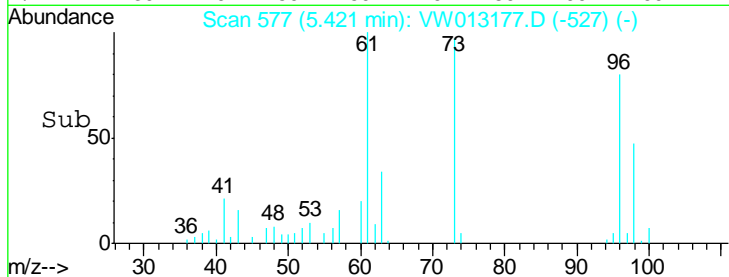
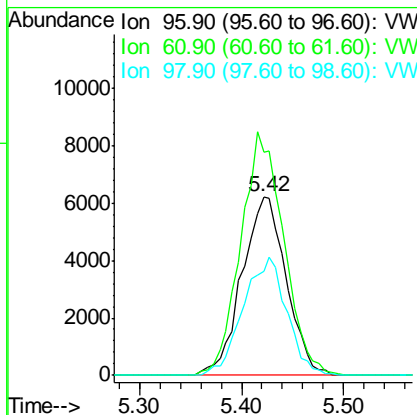
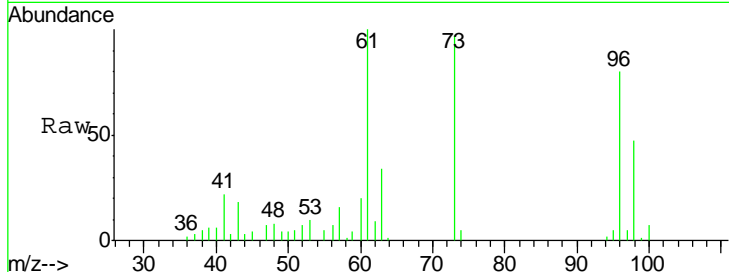
#21
 trans-1,2-Dichloroethene
 Concen: 7.125 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	18731		
96	100		
61	124.8	106.6	159.8
98	58.5	49.8	74.8

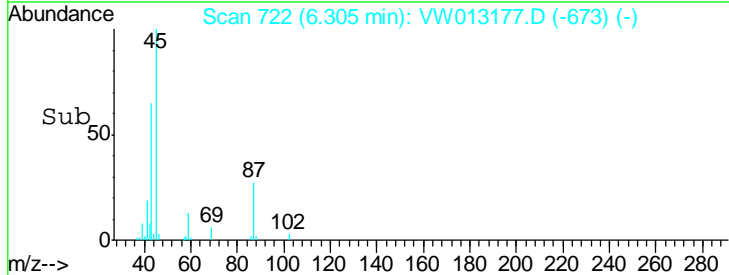
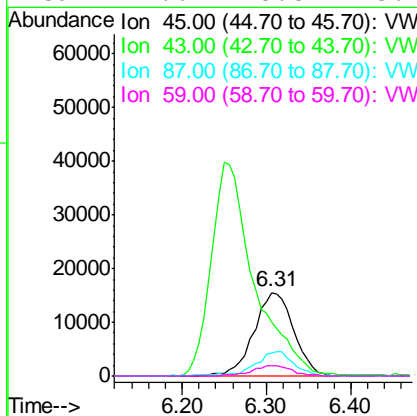
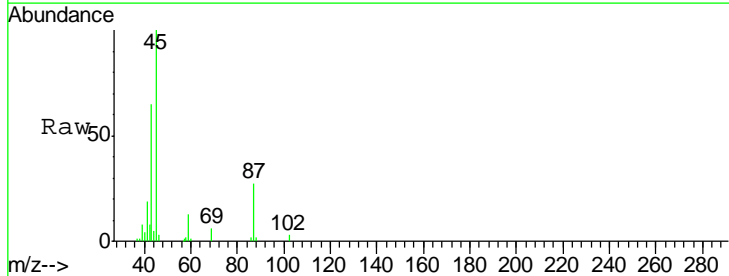
Manual Integrations
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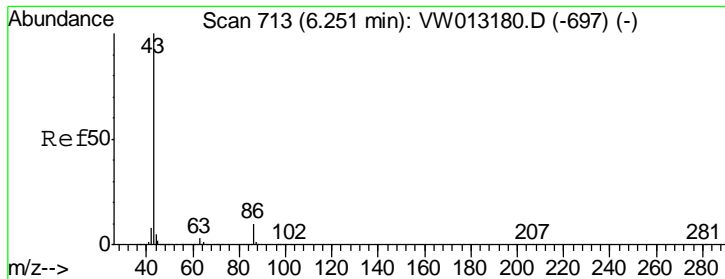
MMDadoda
 9/24/2019 5:28:40 AM



#22
 Diisopropyl ether
 Concen: 5.488 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
45	50372		
45	100		
43	62.6	42.4	63.6
87	26.9	20.4	30.6
59	12.6	8.8	13.2





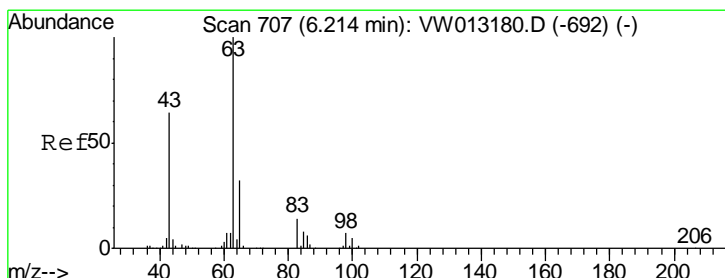
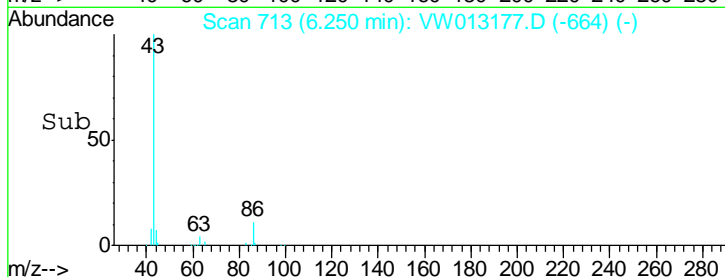
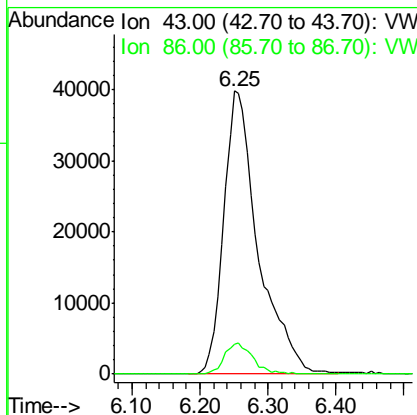
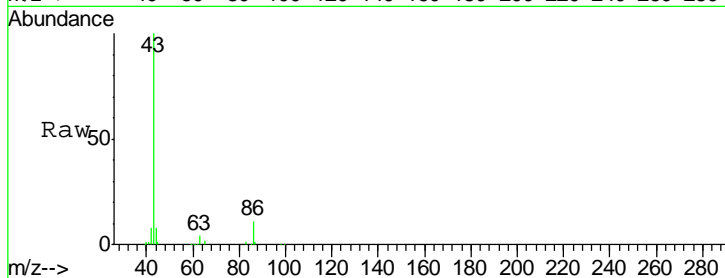
#23
 Vinyl Acetate
 Concen: 25.661 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.3	12.5

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

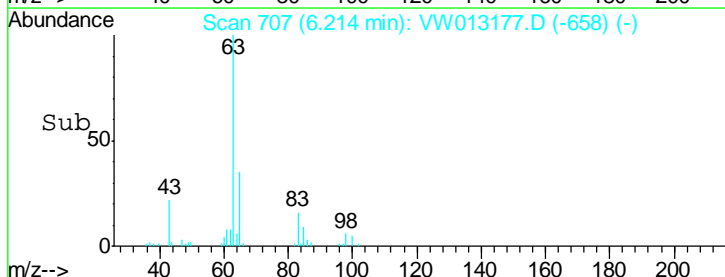
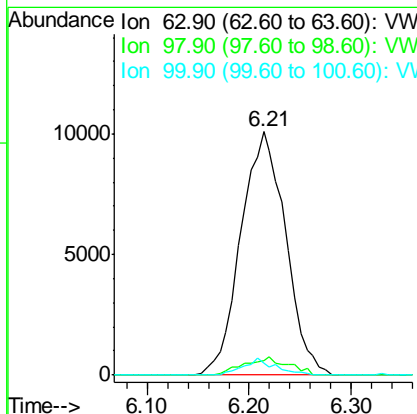
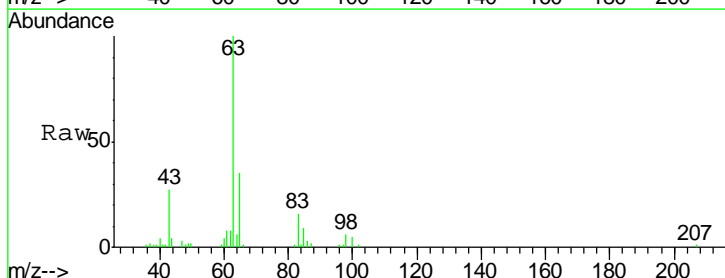
Manual Integrations
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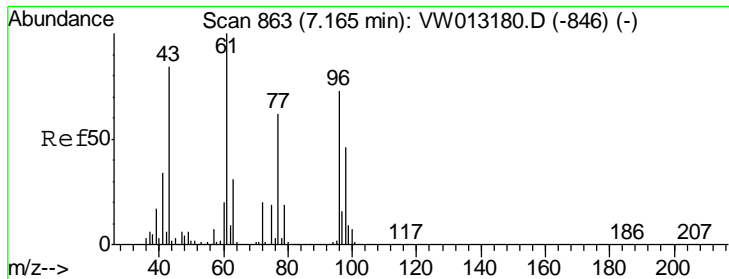
MMDadoda
 9/24/2019 5:28:40 AM



#24
 1,1-Dichloroethane
 Concen: 5.732 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.5
100	4.7	2.4	7.1





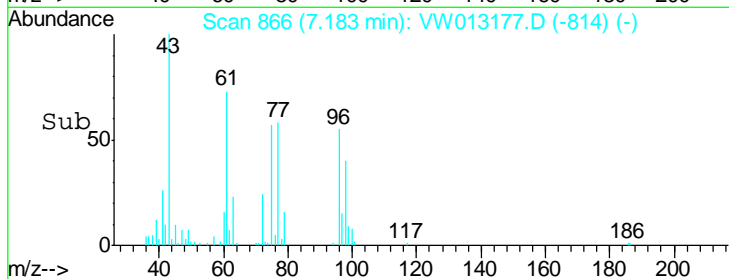
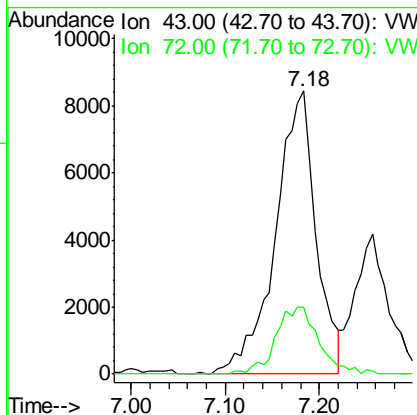
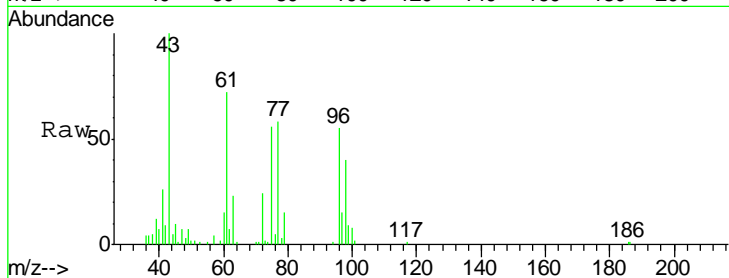
#25
 2-Butanone
 Concen: 26.282 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.02 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
72	23.7	19.4	29.0

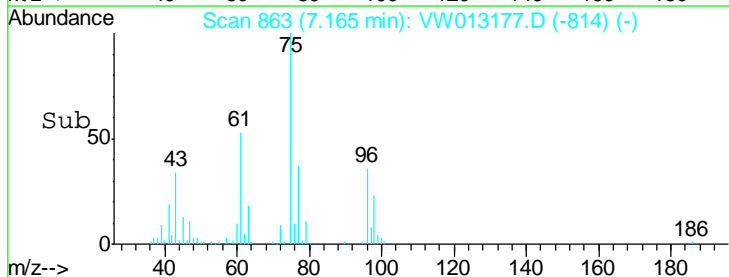
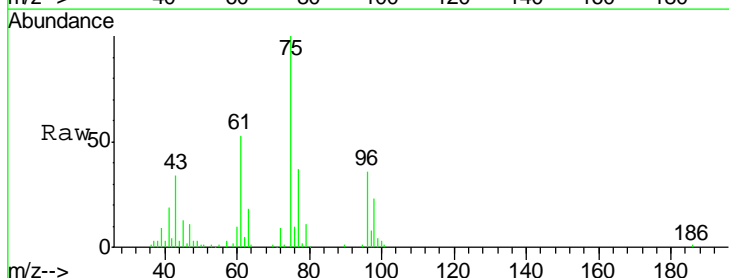
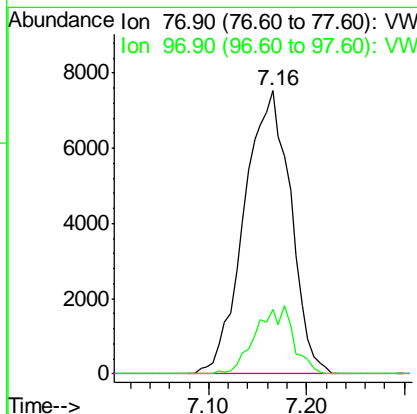
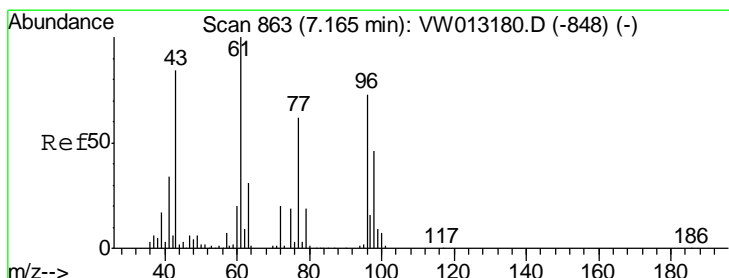
Manual Integrations
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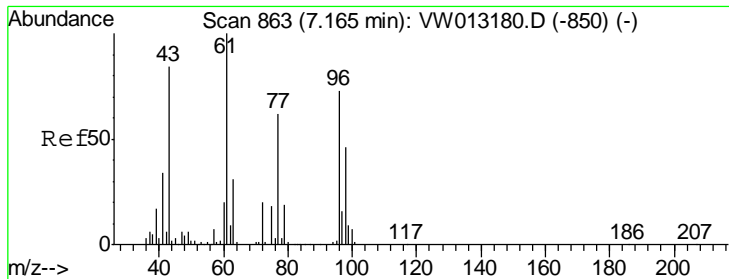
MMDadoda
 9/24/2019 5:28:40 AM



#26
 2,2-Dichloropropane
 Concen: 6.646 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
77	100		
97	19.5	11.8	35.4





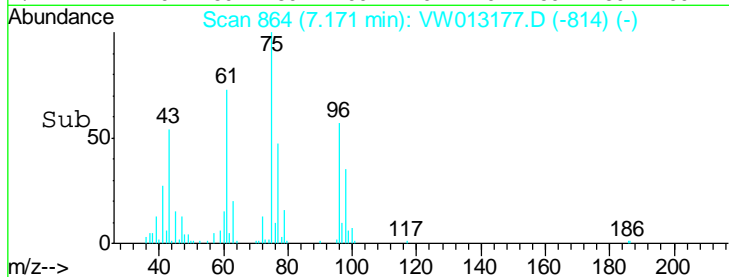
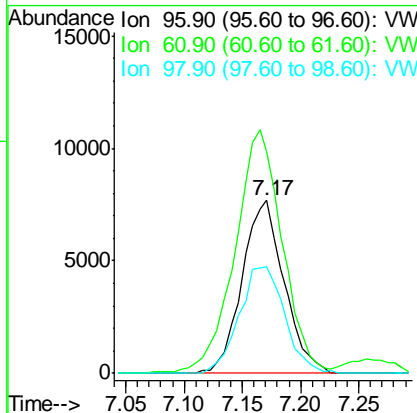
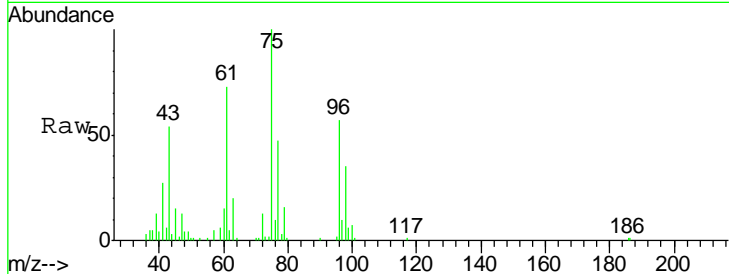
#27
 cis-1,2-Dichloroethene
 Concen: 6.284 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	19335		
96	100		
61	157.9	0.0	282.4
98	66.6	0.0	128.2

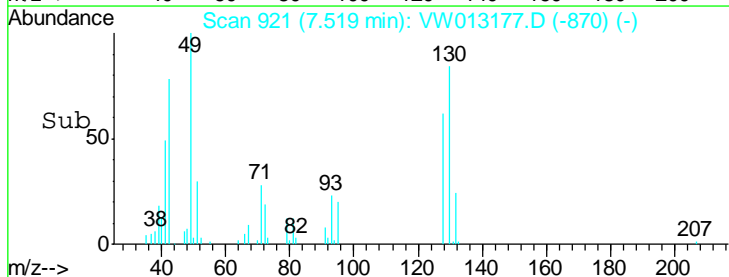
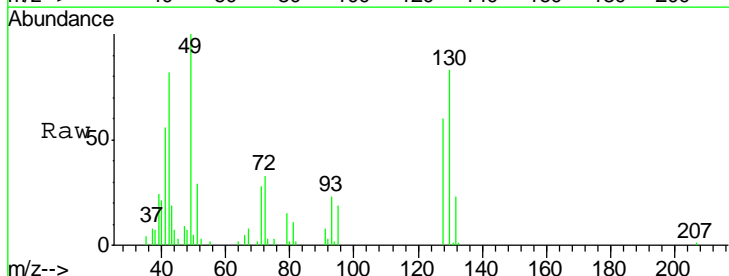
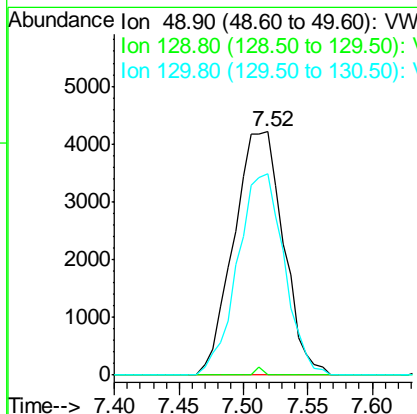
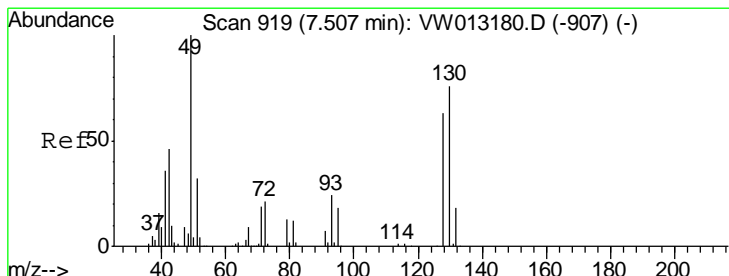
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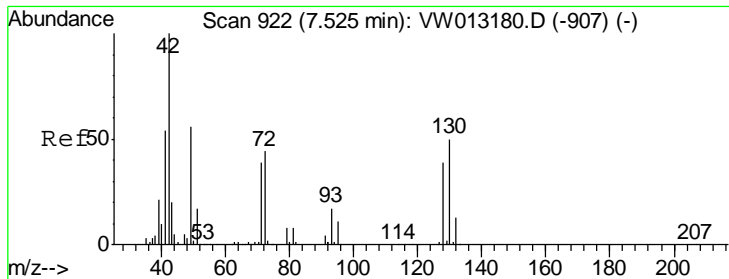
MMDadoda
 9/24/2019 5:28:40 AM



#28
 Bromochloromethane
 Concen: 5.028 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
49	11261		
49	100		
129	0.4	0.0	1.0
130	77.6	63.4	95.2





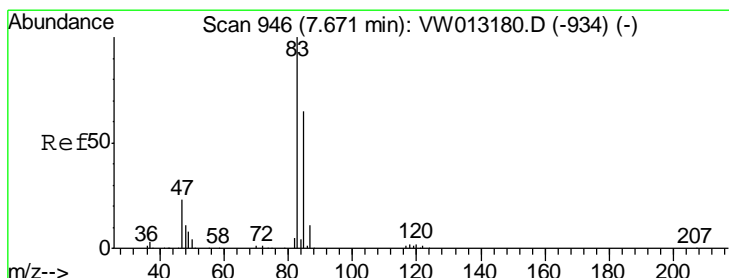
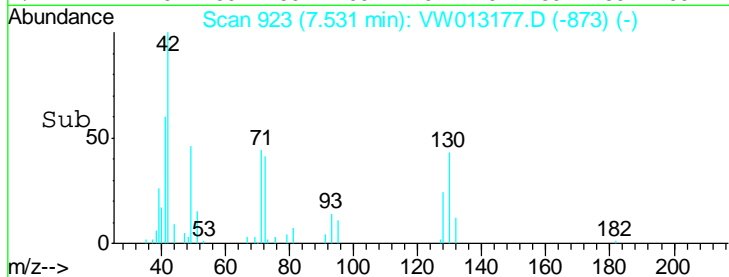
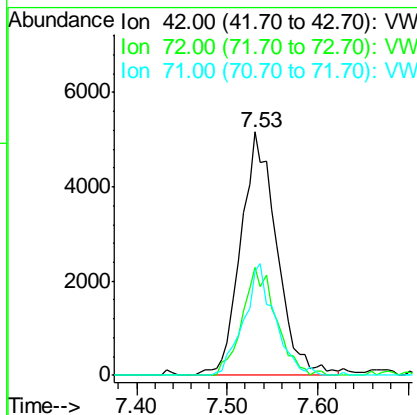
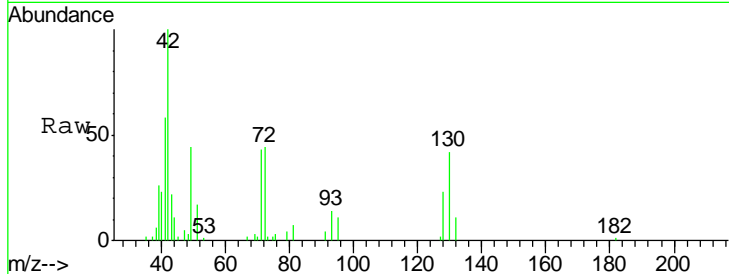
#29
 Tetrahydrofuran
 Concen: 25.454 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
42	14195		
72	41.5	33.9	50.9
71	39.4	31.9	47.9

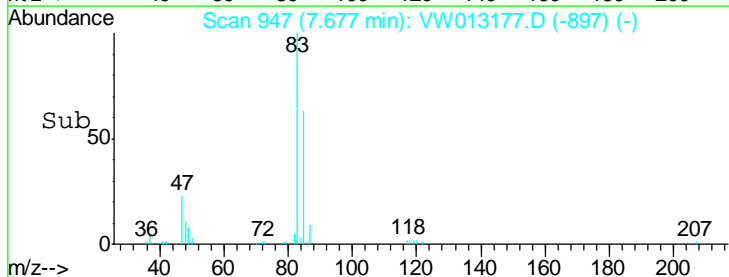
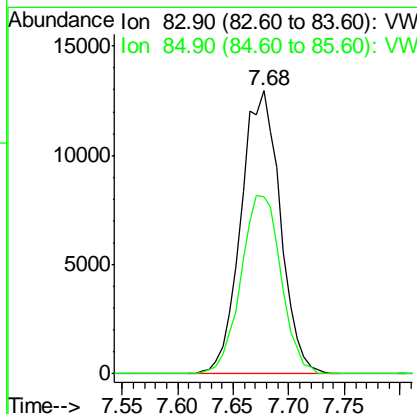
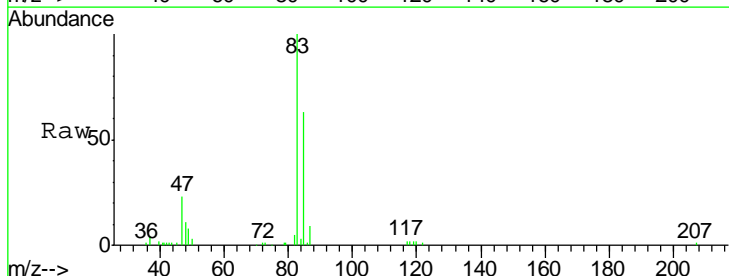
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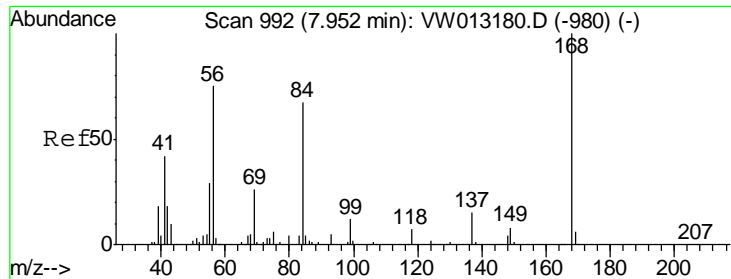
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 9/24/2019 5:28:40 AM



#30
 Chloroform
 Concen: 5.939 ug/l
 RT: 7.68 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
83	31886		
85	62.5	52.3	78.5





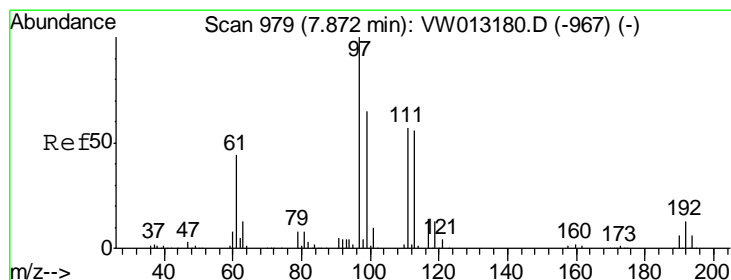
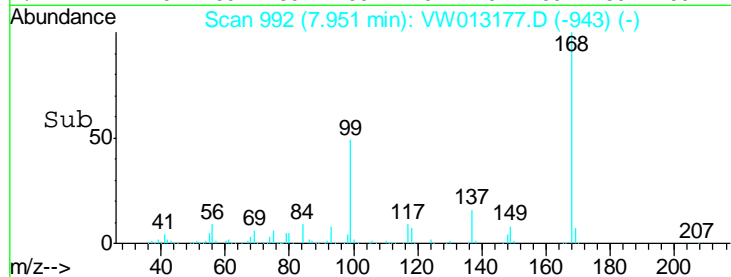
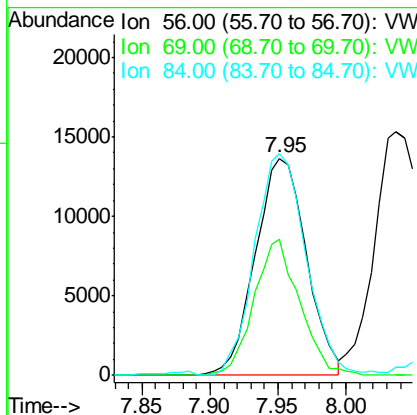
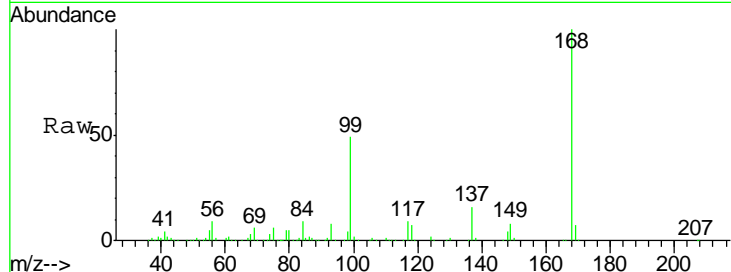
#31
 Cyclohexane
 Concen: 7.540 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	35794		
56	100		
69	62.8	27.2	40.8#
84	100.9	70.8	106.2

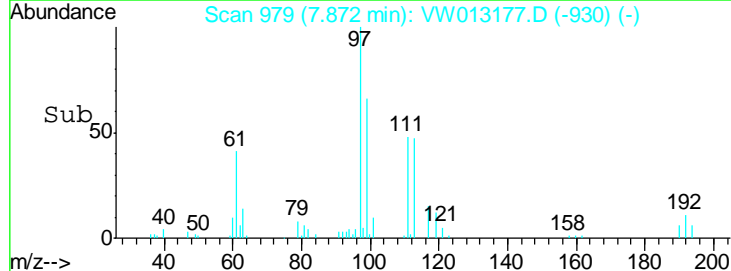
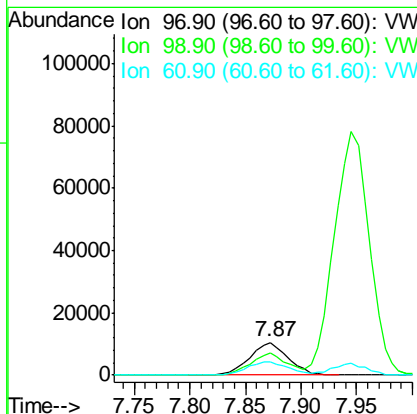
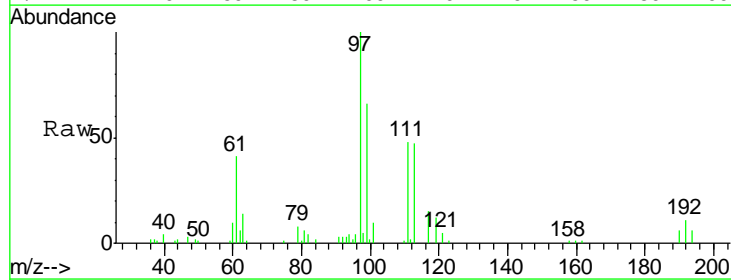
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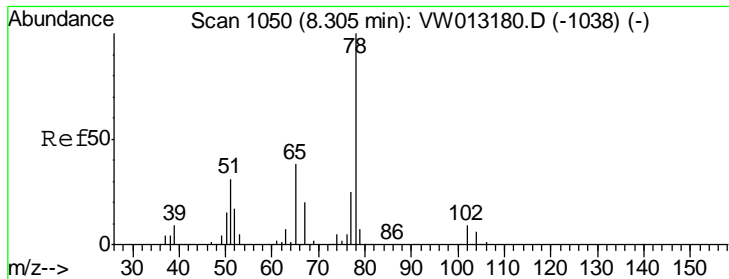
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#32
 1,1,1-Trichloroethane
 Concen: 5.657 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
97	25050		
97	100		
99	65.6	51.7	77.5
61	43.9	34.6	51.8





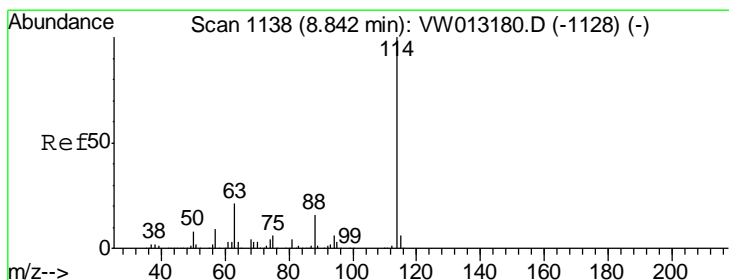
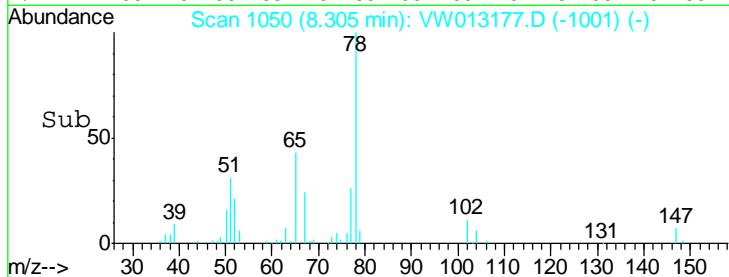
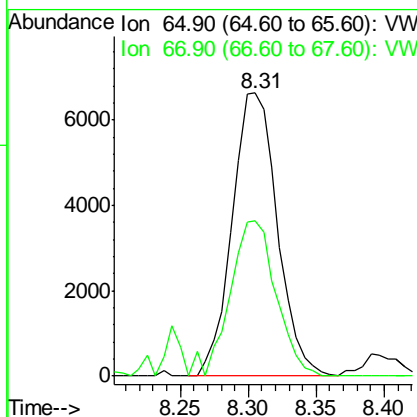
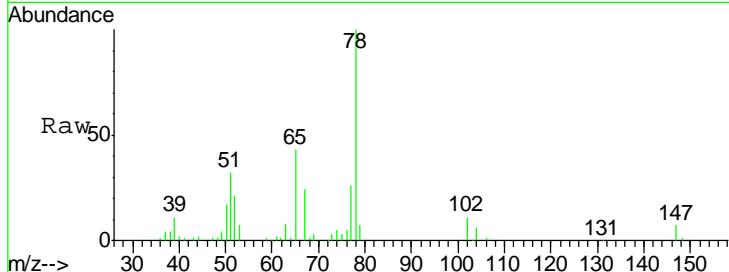
#33
 1,2-Dichloroethane-d4
 Concen: 5.095 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
65	15396		
65	100		
67	55.9	0.0	106.2

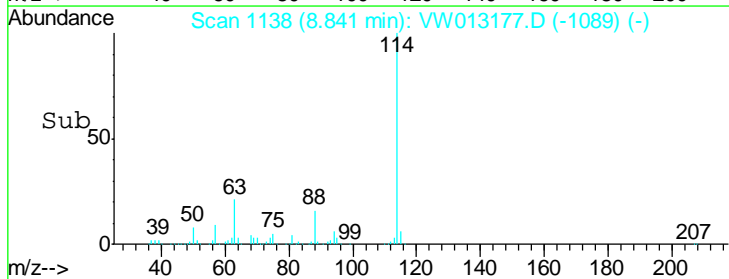
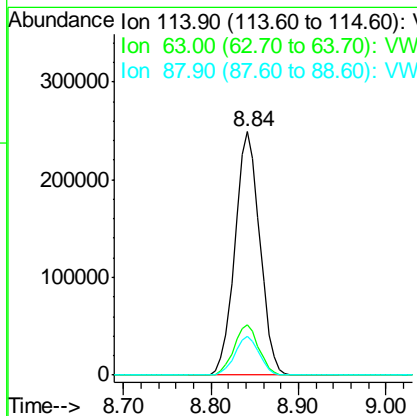
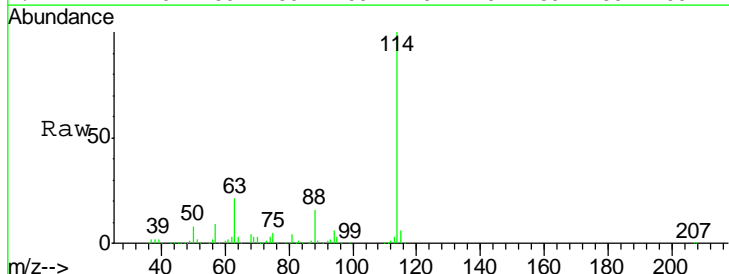
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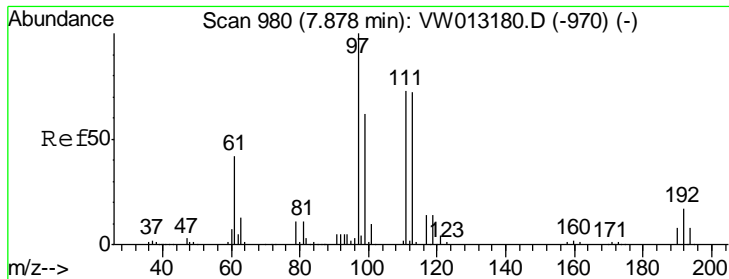
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

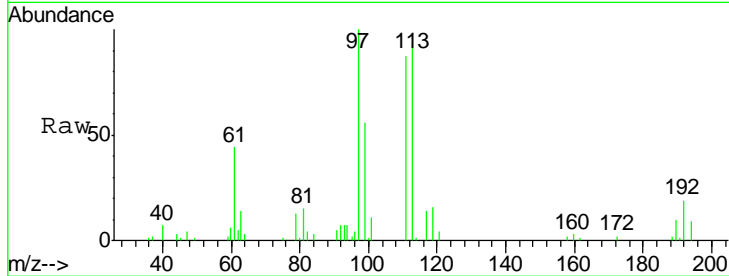
Tgt Ion	Resp	Lower	Upper
114	492232		
114	100		
63	20.6	0.0	41.4
88	16.0	0.0	32.0





#35
 Dibromofluoromethane
 Concen: 5.676 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

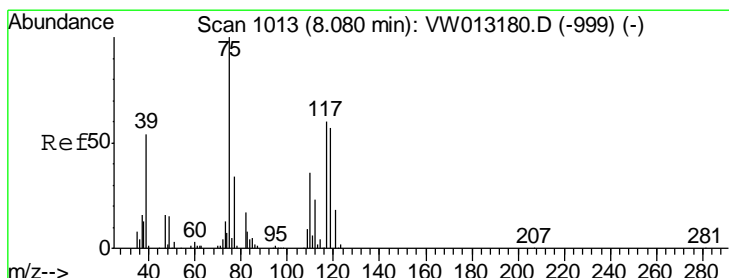
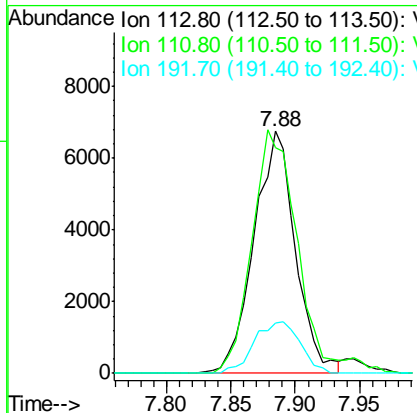
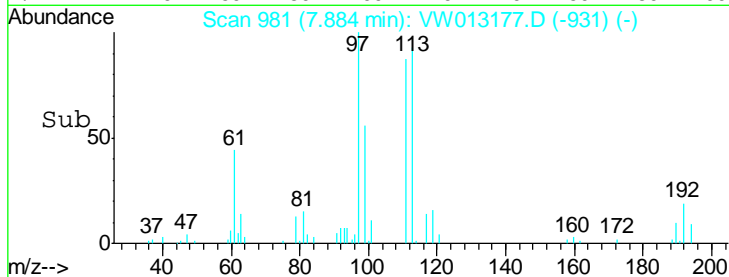
Instrument : MSVOA_W
 Client Sampled : VSTDIC005



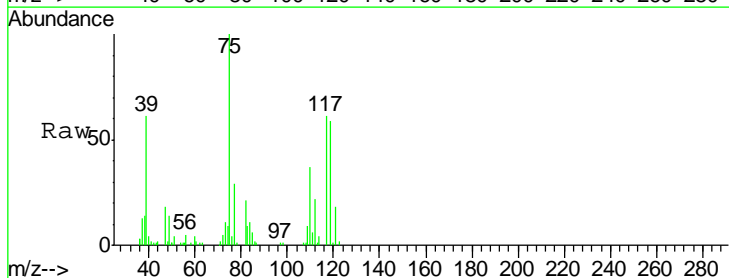
Tgt Ion: 113 Resp: 15106

Ion	Ratio	Lower	Upper
113	100		
111	107.1	81.9	122.9
192	23.5	19.1	28.7

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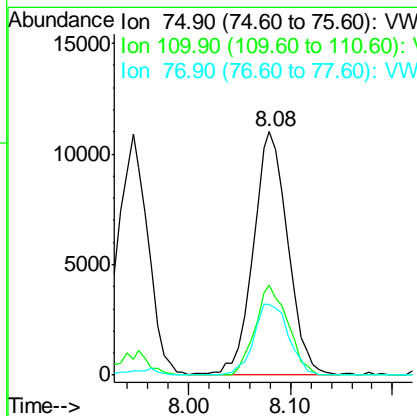
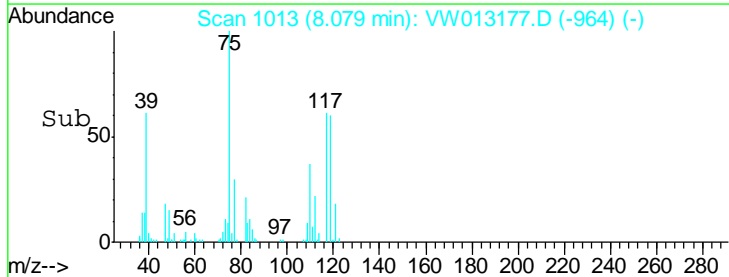


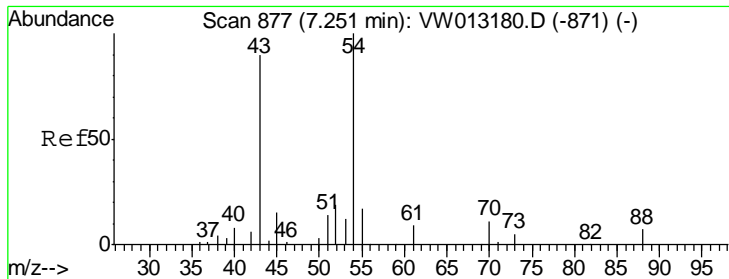
#36
 1,1-Dichloropropene
 Concen: 6.387 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43



Tgt Ion: 75 Resp: 25922

Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.1	54.3
77	29.5	25.8	38.6





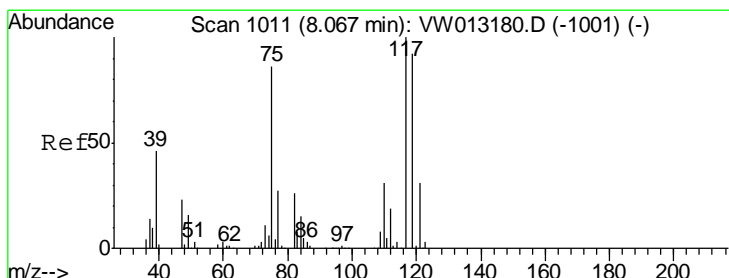
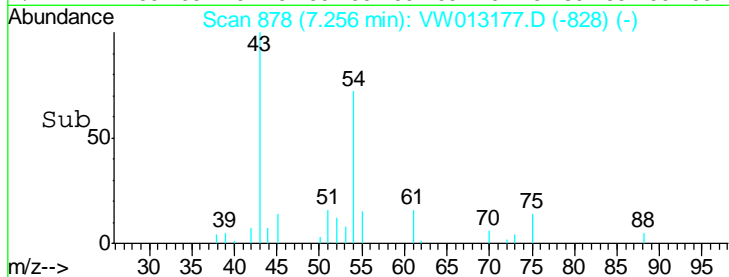
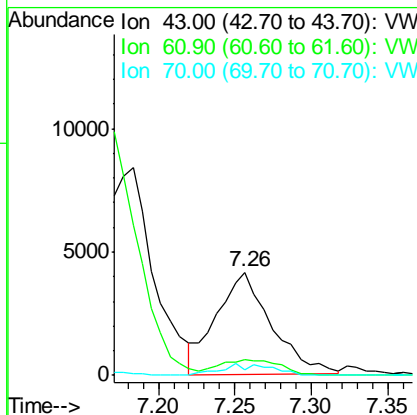
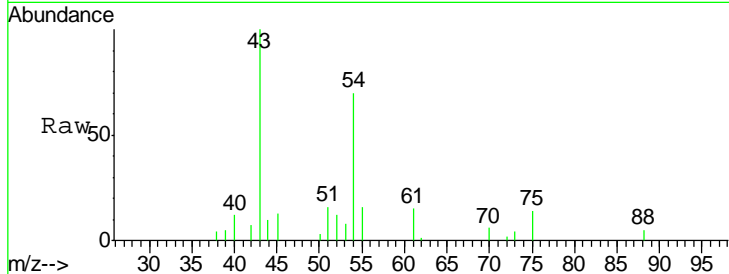
#37
 Ethyl Acetate
 Concen: 4.999 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	10323		
43	100		
61	17.4	10.9	16.3#
70	5.1	8.2	12.2#

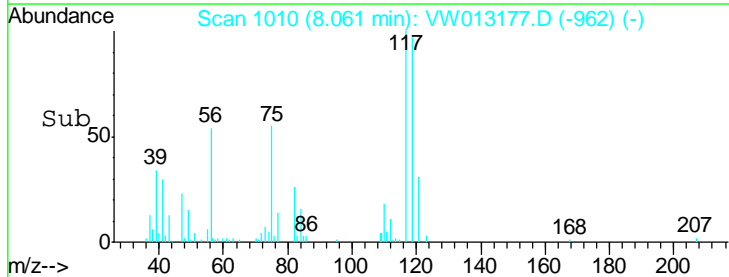
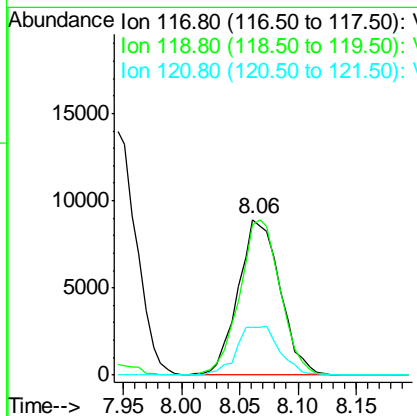
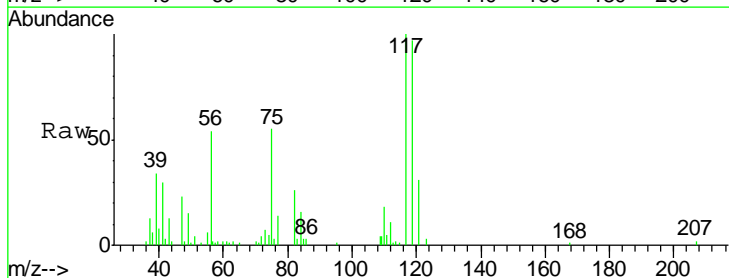
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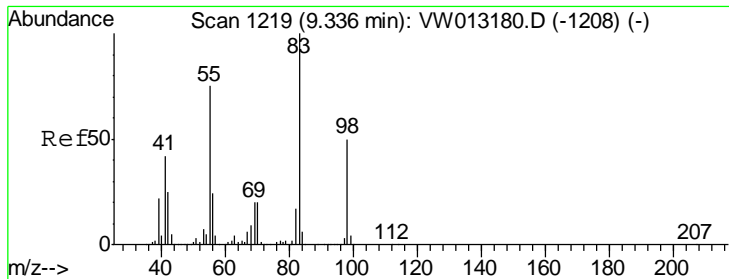
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#38
 Carbon Tetrachloride
 Concen: 5.494 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
117	22349		
117	100		
119	96.7	73.5	110.3
121	30.7	25.0	37.6





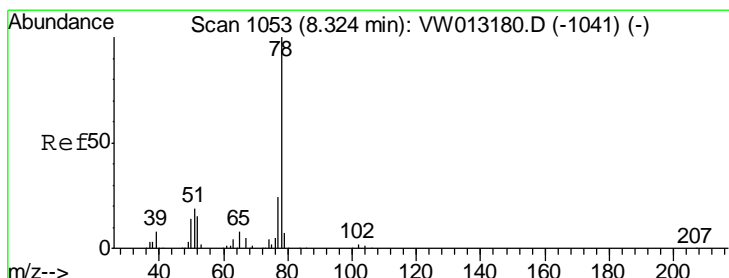
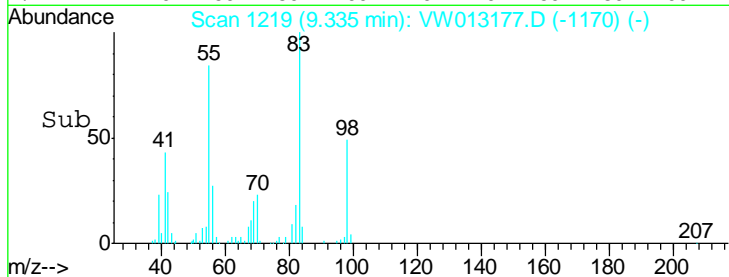
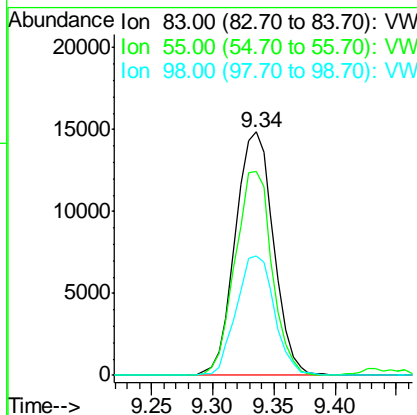
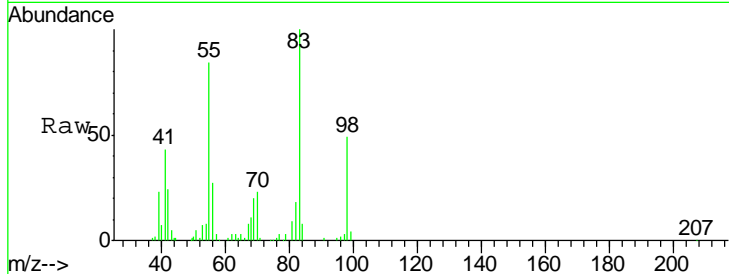
#39
 Methylcyclohexane
 Concen: 6.958 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	32192		
83	100		
55	83.5	60.4	90.6
98	49.1	40.0	60.0

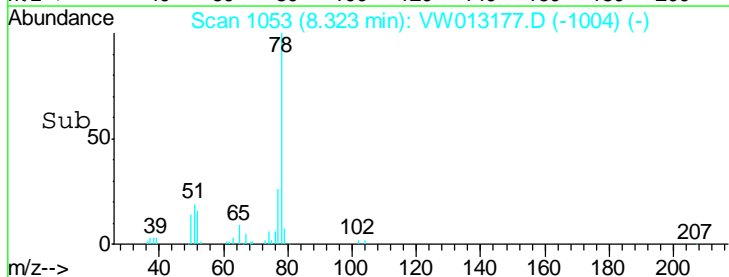
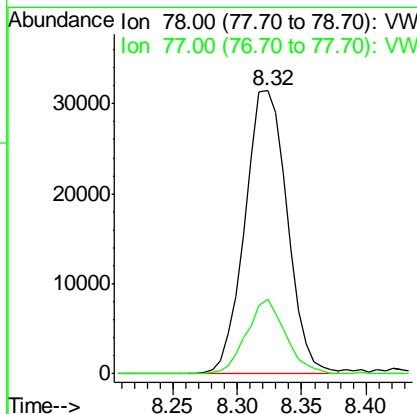
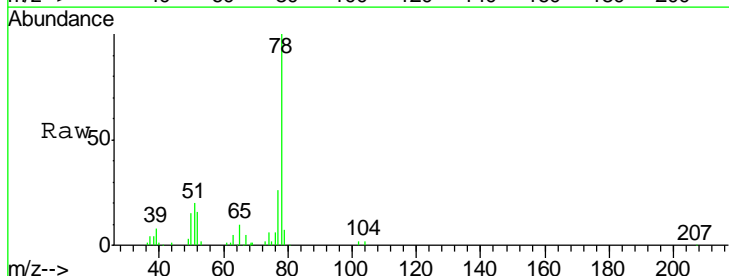
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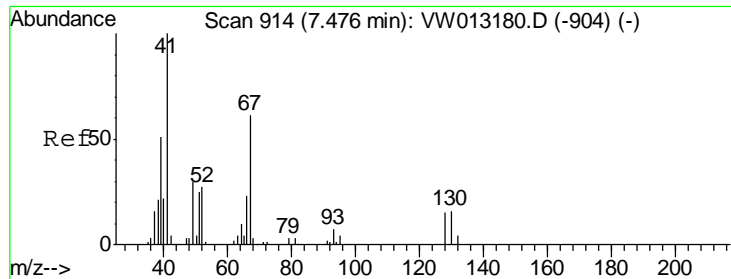
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#40
 Benzene
 Concen: 6.332 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
78	71751		
78	100		
77	26.2	19.1	28.7





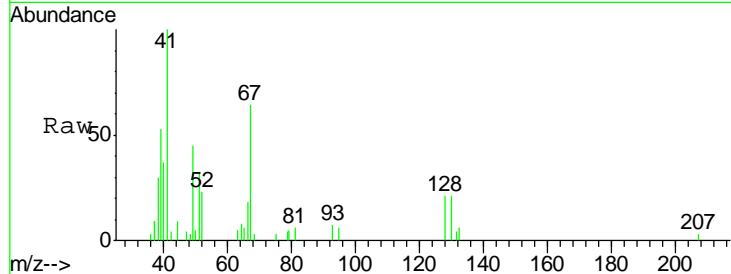
#41
 Methacrylonitrile
 Concen: 4.445 ug/l
 RT: 7.48 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

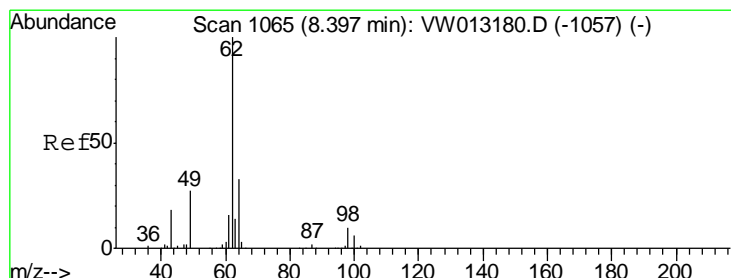
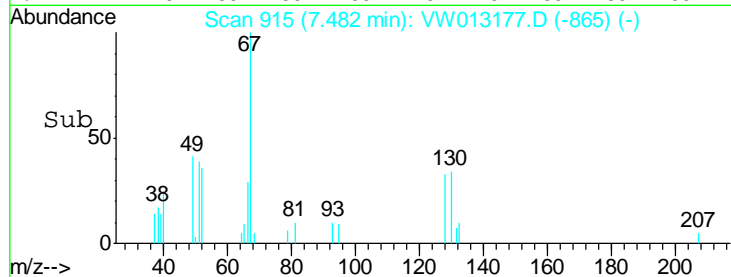
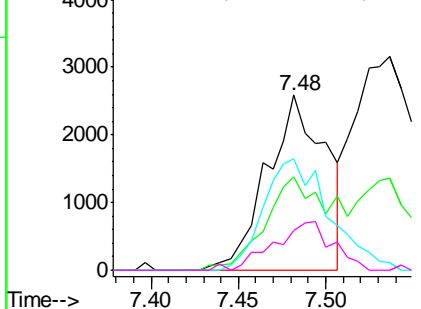
Tgt Ion	Resp	Lower	Upper
41	100		
39	61.0	45.9	68.9
67	71.9	54.5	81.7
52	28.1	22.5	33.7

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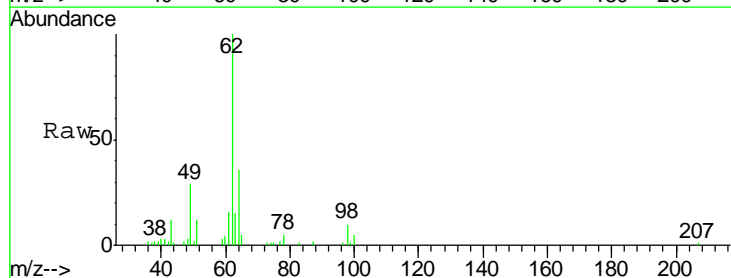


Abundance Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW
 Ion 67.00 (66.70 to 67.70): VW
 Ion 52.00 (51.70 to 52.70): VW

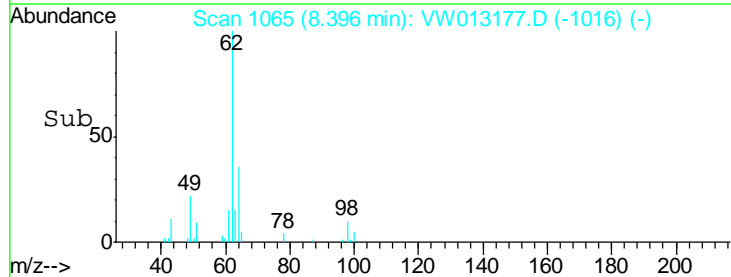
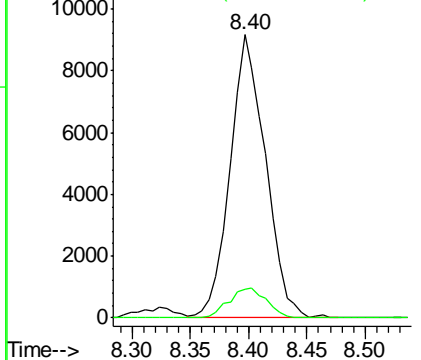


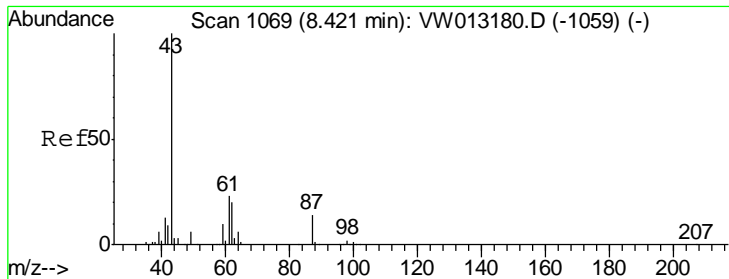
#42
 1,2-Dichloroethane
 Concen: 5.319 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
62	100		
98	11.2	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
 Ion 97.90 (97.60 to 98.60): VW





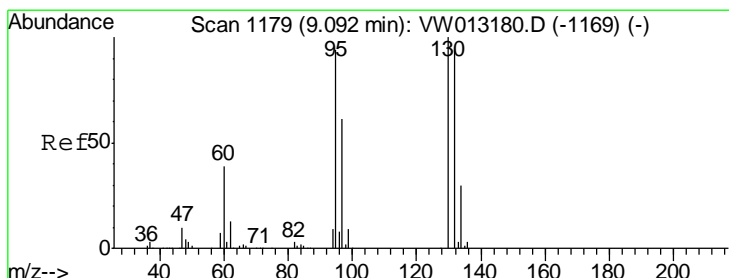
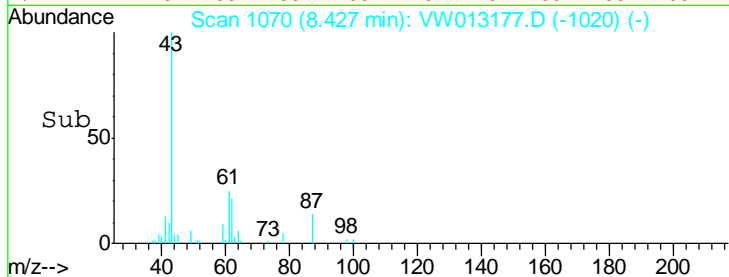
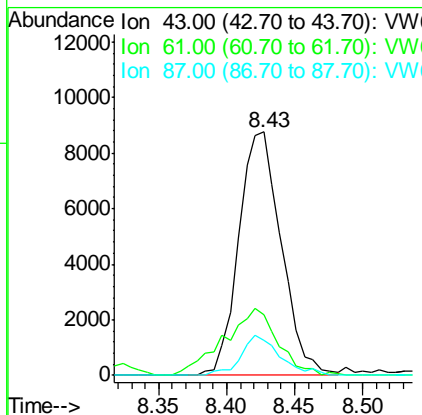
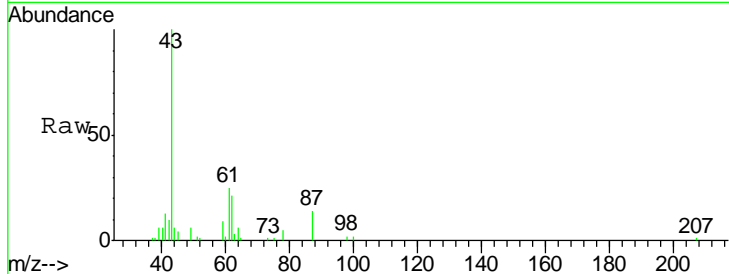
#43
 Isopropyl Acetate
 Concen: 4.843 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	19140		
61	35.0	25.5	38.3
87	15.0	11.0	16.4

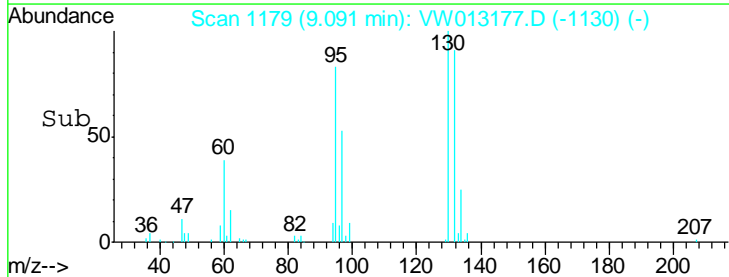
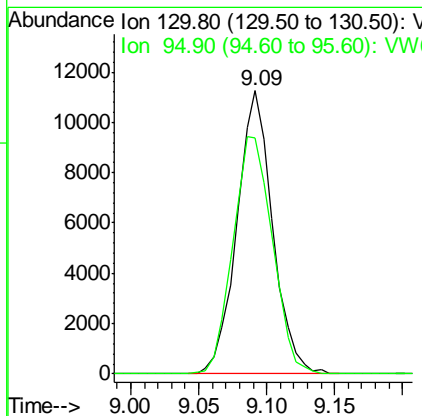
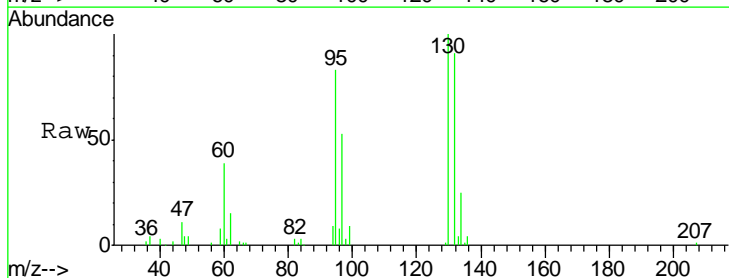
Manual Integrations
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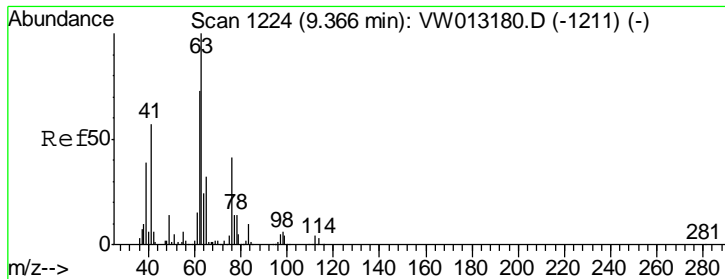
MMDadoda
 9/24/2019 5:28:40 AM



#44
 Trichloroethene
 Concen: 6.571 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
130	20532		
95	83.4	0.0	188.0





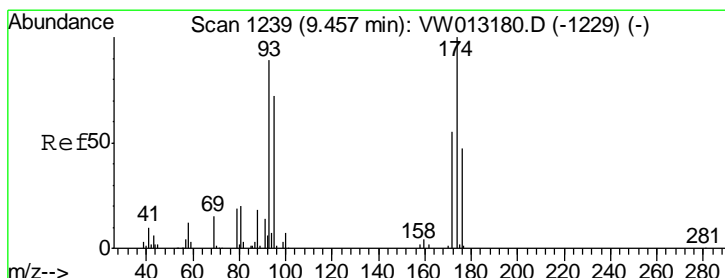
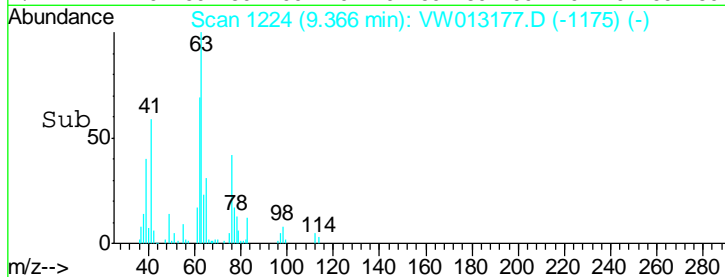
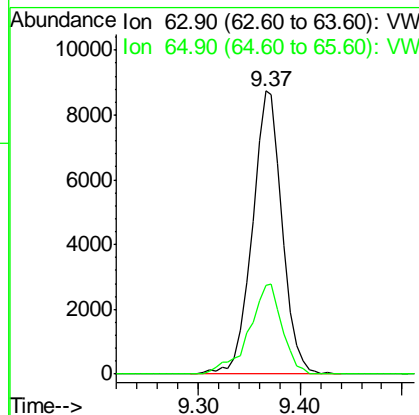
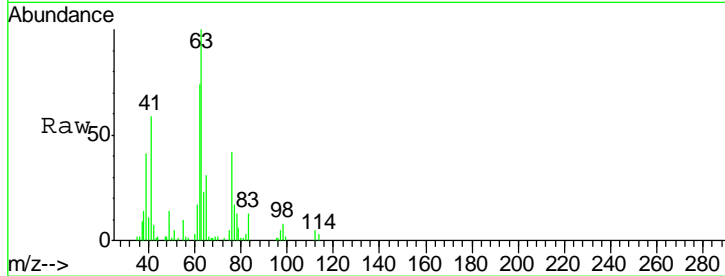
#45
 1,2-Dichloropropane
 Concen: 6.017 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
63	17783		
63	100		
65	31.5	25.3	37.9

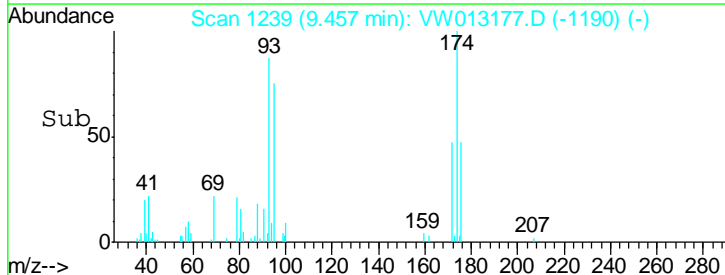
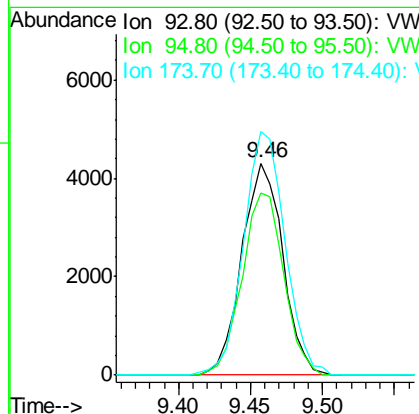
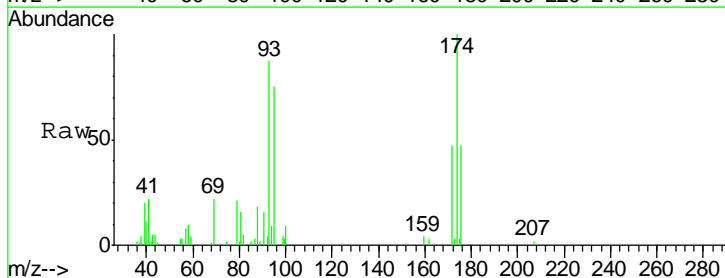
Manual Integrations
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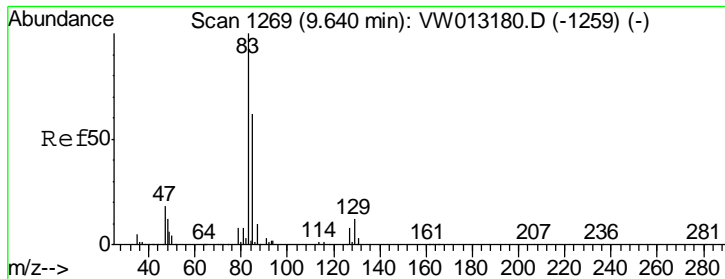
MMDadoda
 9/24/2019 5:28:40 AM



#46
 Dibromomethane
 Concen: 5.966 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
93	8468		
93	100		
95	87.2	66.4	99.6
174	116.9	93.0	139.6

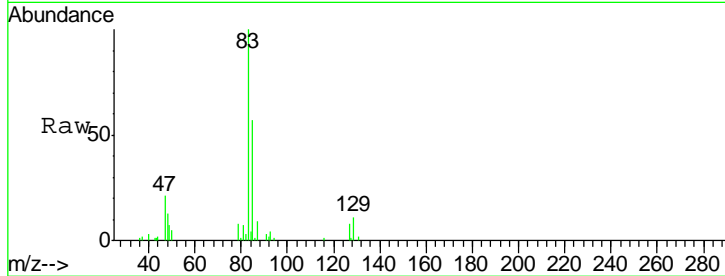




#47

Bromodichloromethane
 Concen: 5.419 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

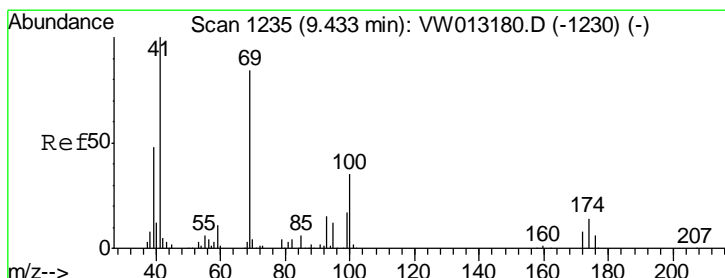
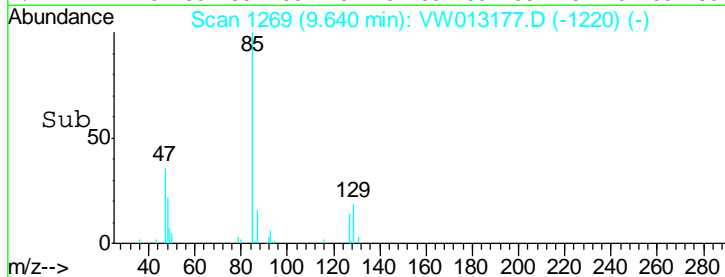
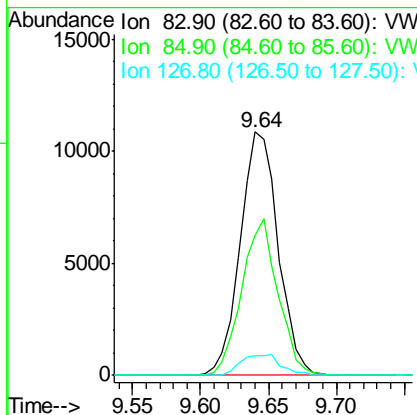
Instrument : MSVOA_W
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
83	100		
85	57.3	49.4	74.2
127	8.1	6.5	9.7

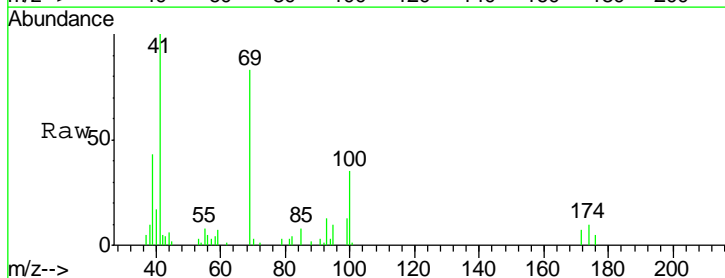
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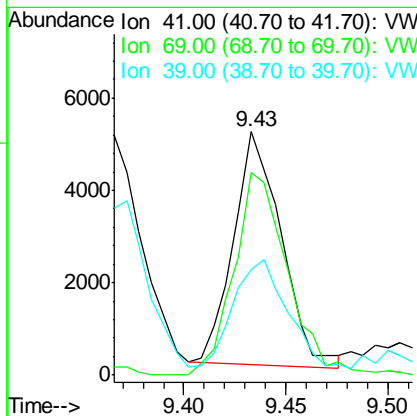
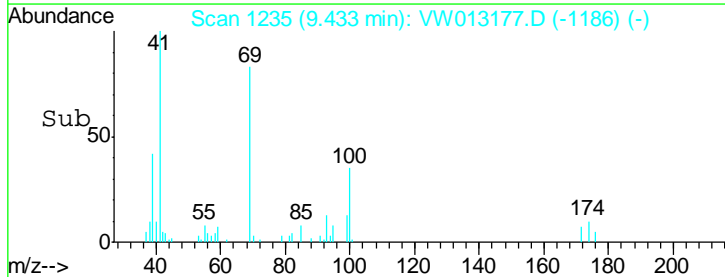


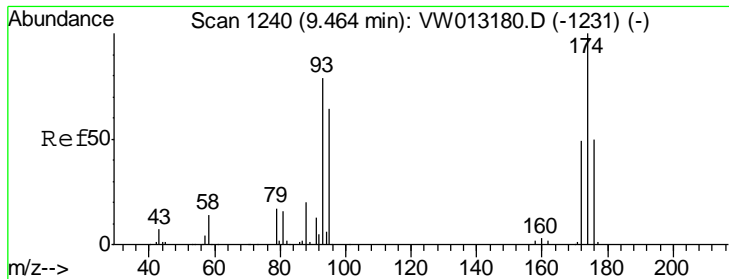
#48

Methyl methacrylate
 Concen: 4.409 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43



Tgt Ion	Resp	Lower	Upper
41	100		
69	98.1	69.7	104.5
39	54.7	41.1	61.7





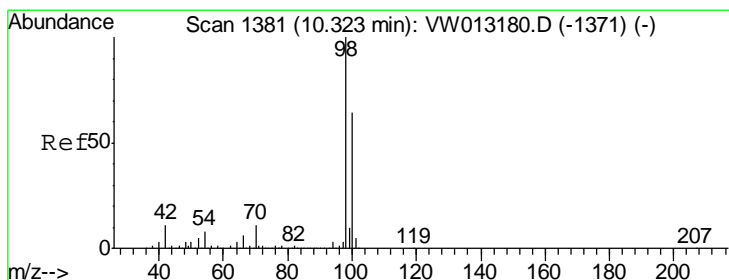
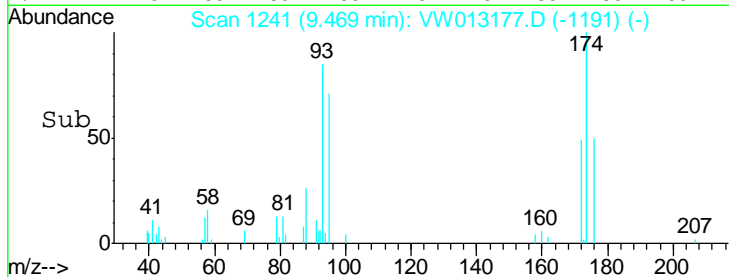
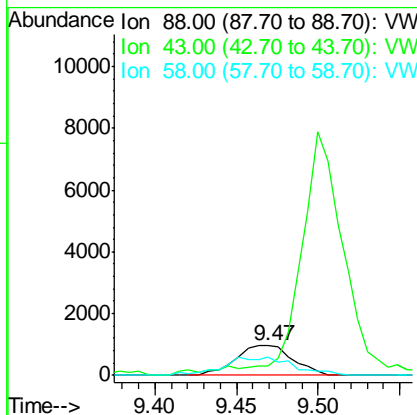
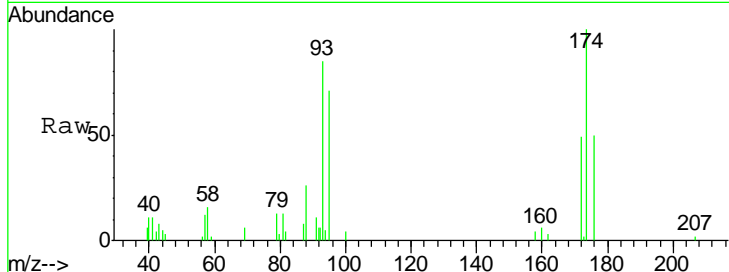
#49
 1,4-Dioxane
 Concen: 103.749 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	39.4	65.4	98.0#

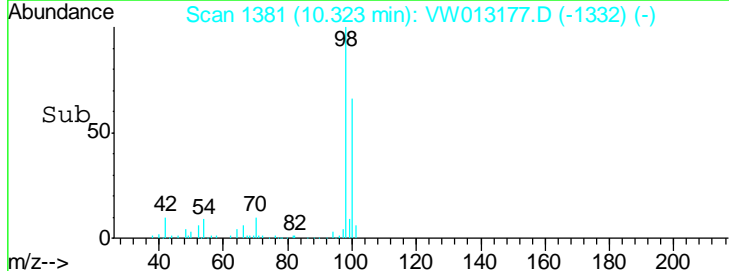
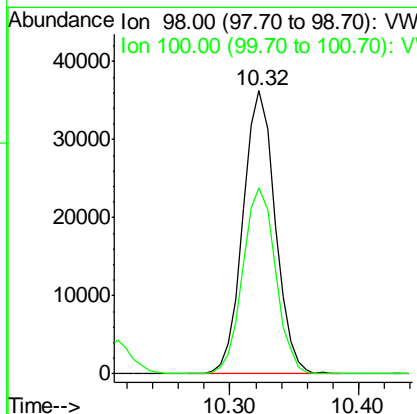
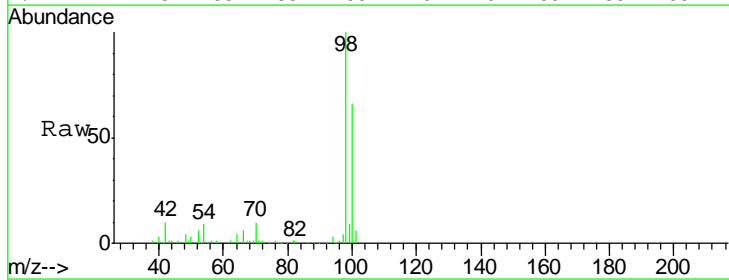
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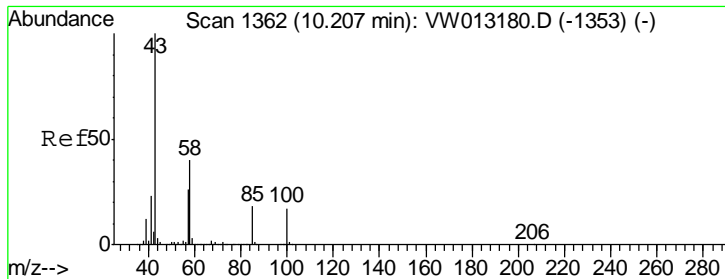
MMDadoda
 9/24/2019 5:28:40 AM



#50
 Toluene-d8
 Concen: 5.974 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.8	52.9	79.3





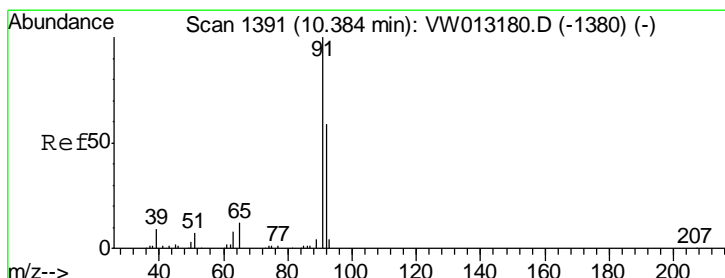
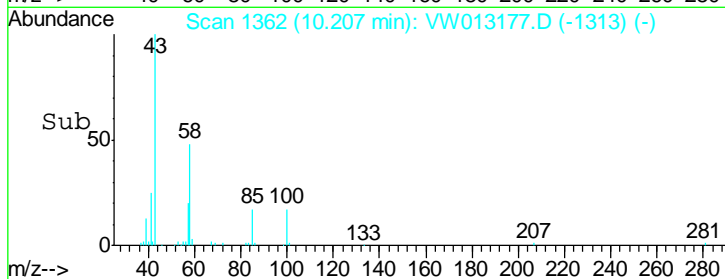
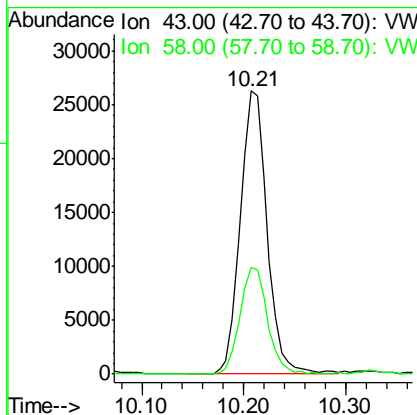
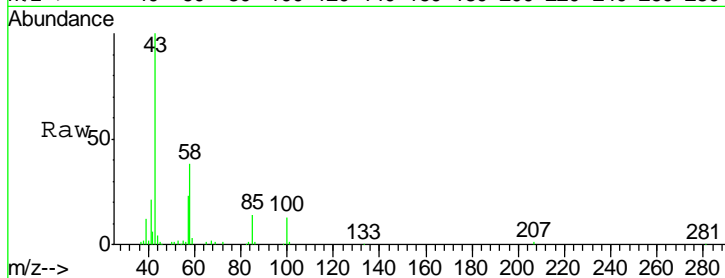
#51
 4-Methyl-2-Pentanone
 Concen: 23.627 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.7	31.7	47.5

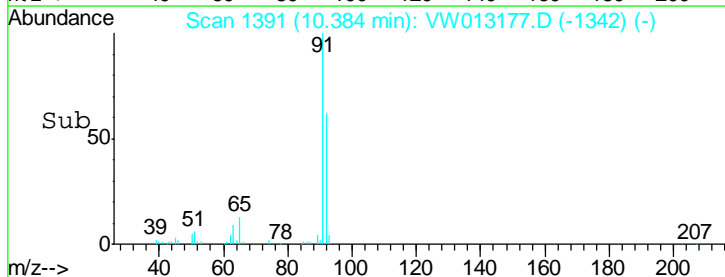
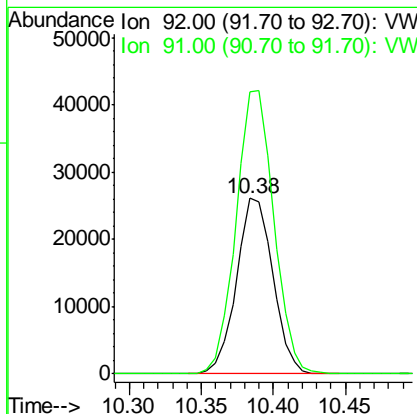
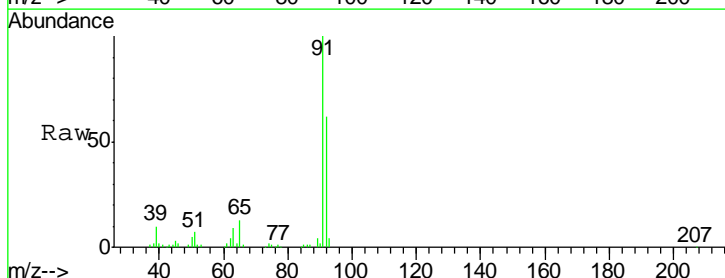
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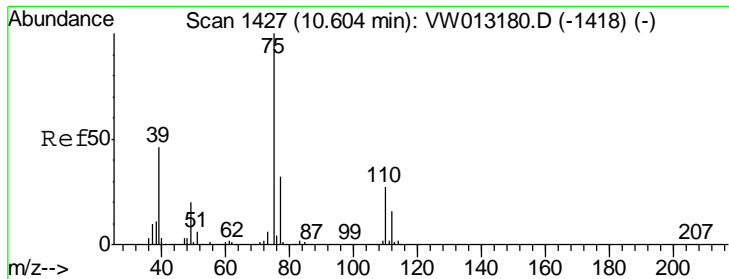
MMDadoda
 9/24/2019 5:28:40 AM



#52
 Toluene
 Concen: 6.385 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
92	100		
91	166.9	135.7	203.5





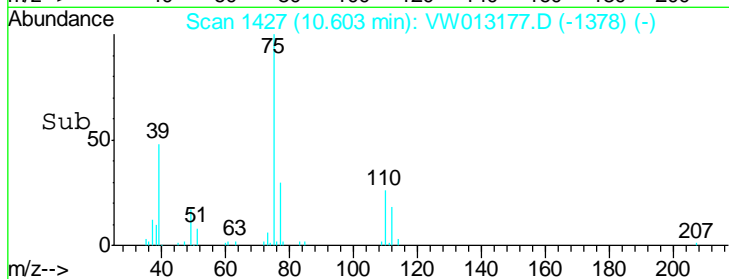
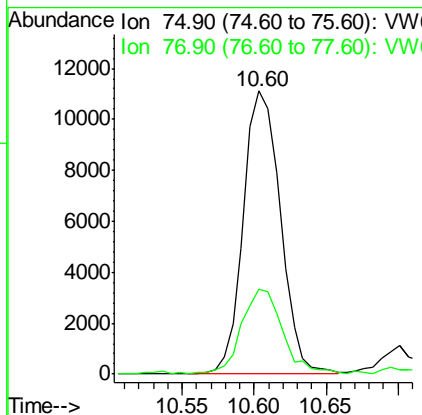
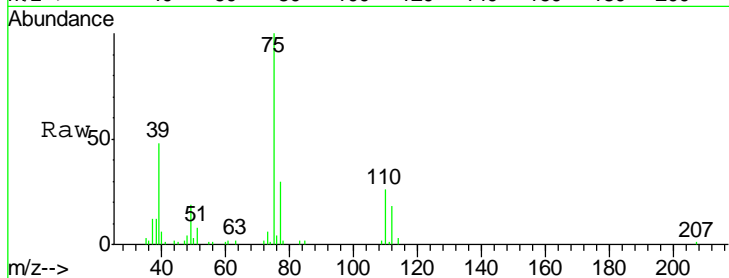
#53
 t-1,3-Dichloropropene
 Concen: 5.017 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	19852		
75	100		
77	30.1	25.5	38.3

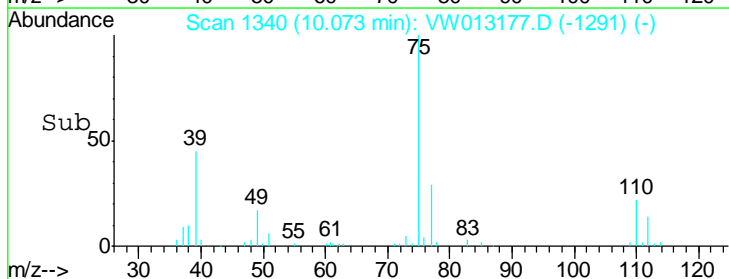
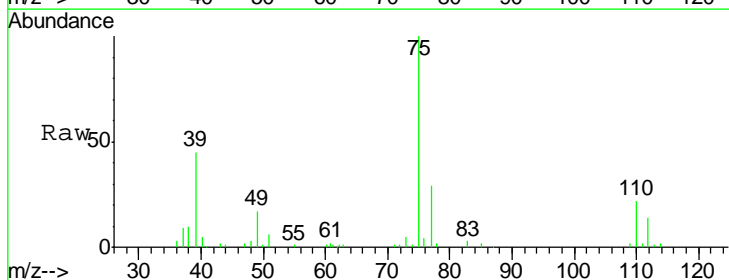
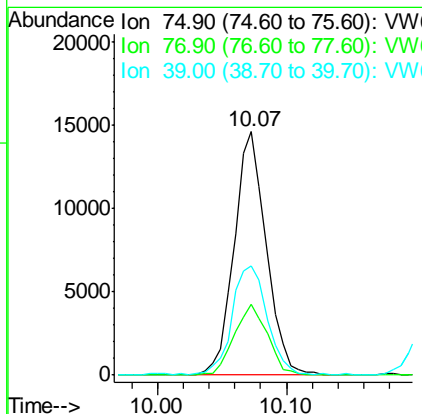
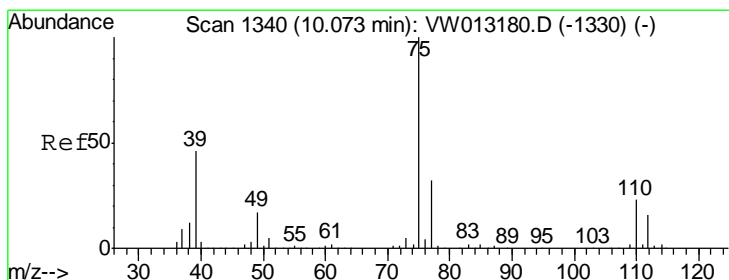
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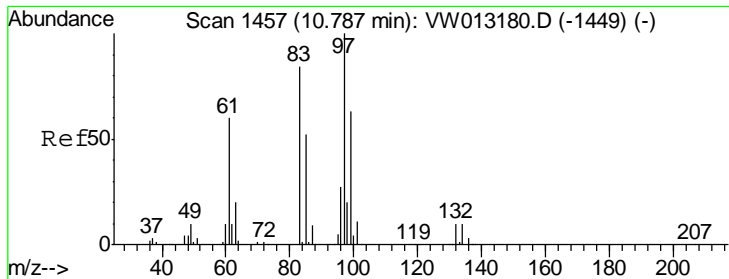
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 9/24/2019 5:28:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 5.519 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
75	25216		
75	100		
77	29.1	25.2	37.8
39	45.0	36.6	55.0



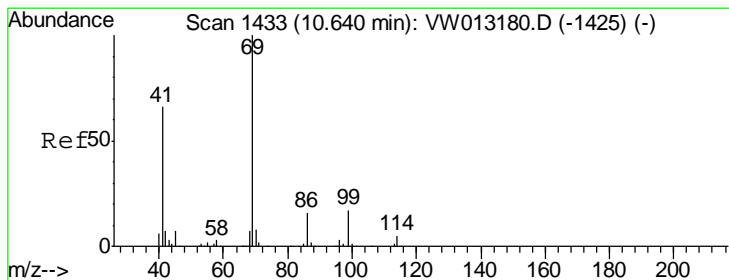
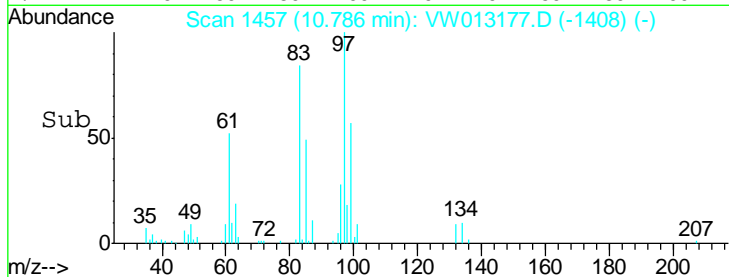
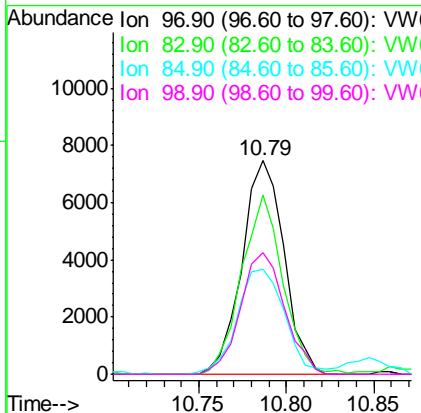
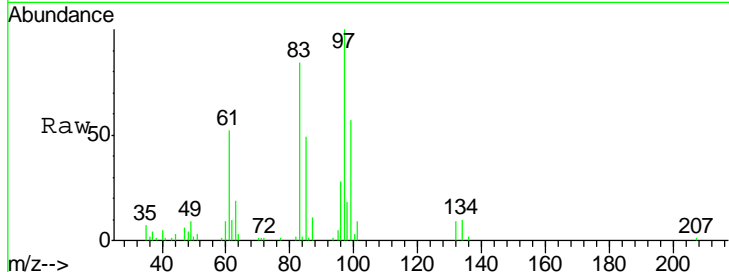


#55
 1,1,2-Trichloroethane
 Concen: 5.785 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

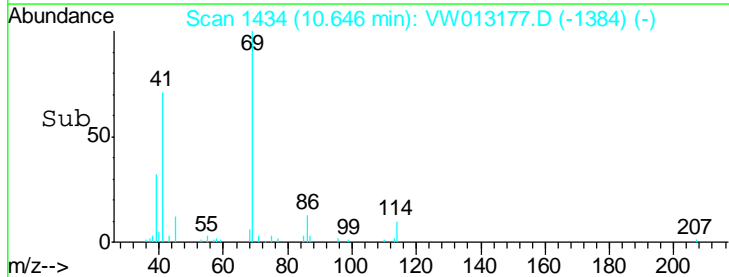
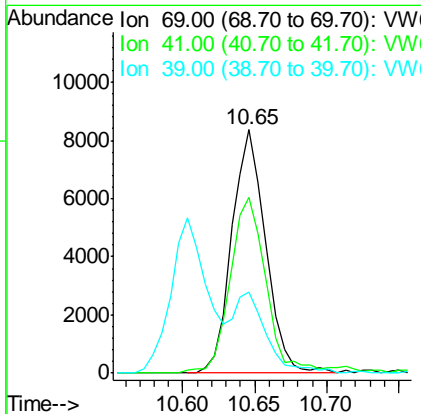
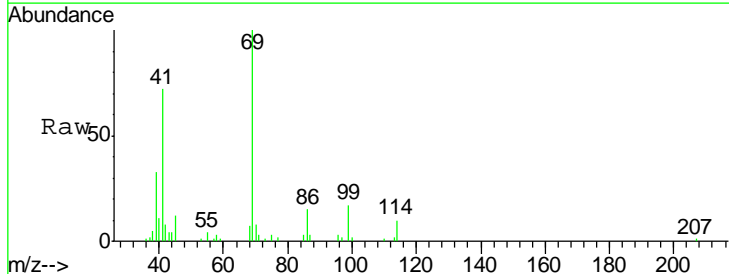
Tgt Ion	Resp	Lower	Upper
97	12466		
97	100		
83	84.2	67.6	101.4
85	48.9	41.9	62.9
99	57.0	50.1	75.1

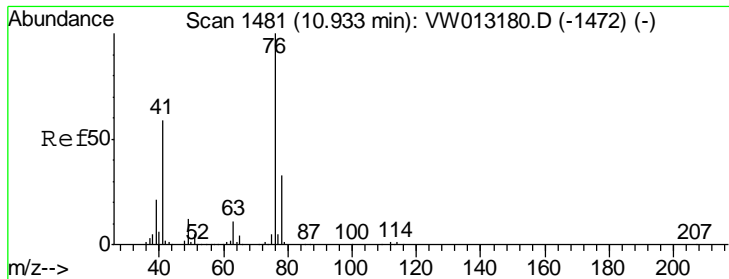
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 9/24/2019 5:28:40 AM



#56
 Ethyl methacrylate
 Concen: 4.755 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
69	13711		
69	100		
41	76.9	53.9	80.9
39	33.1	23.8	35.6





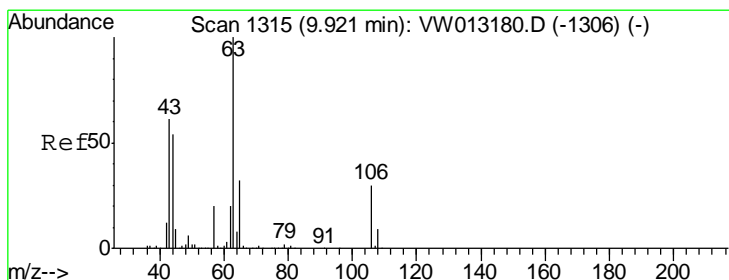
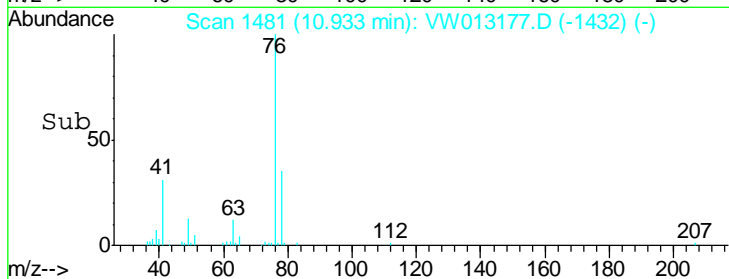
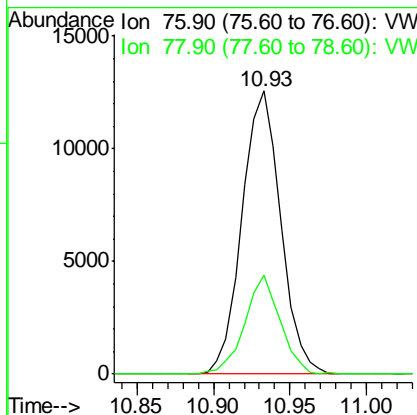
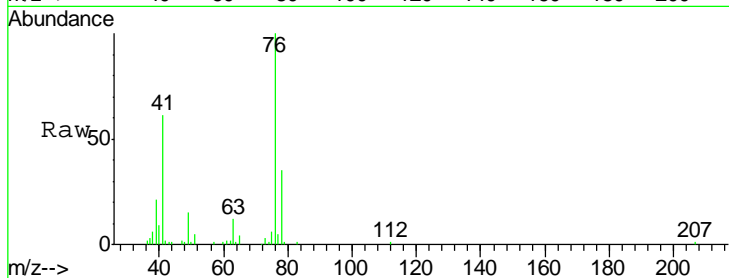
#57
 1,3-Dichloropropane
 Concen: 5.792 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	22084		
76	100		
78	32.1	25.5	38.3

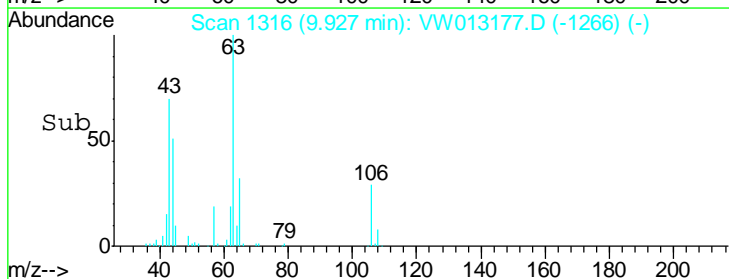
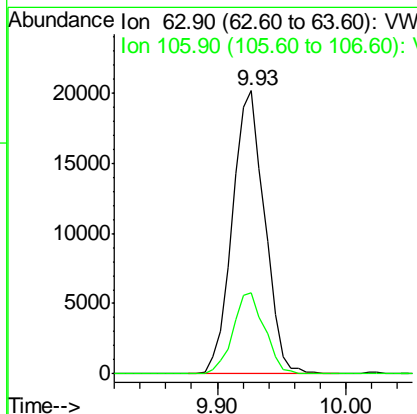
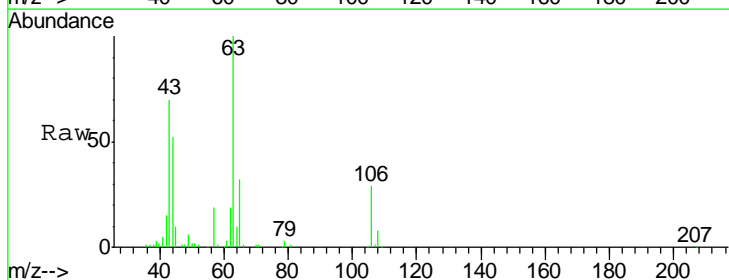
Manual Integrations
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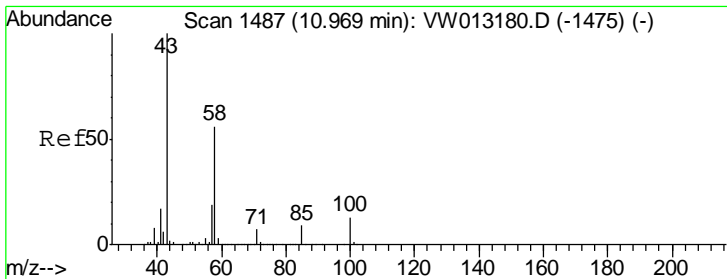
MMDadoda
 9/24/2019 5:28:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.966 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
63	35033		
63	100		
106	28.3	23.4	35.0





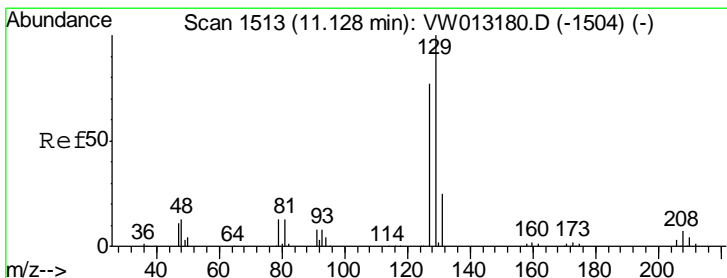
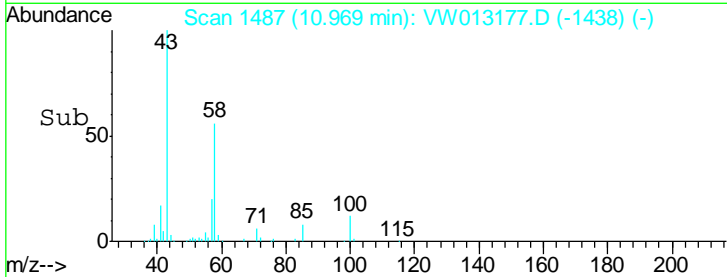
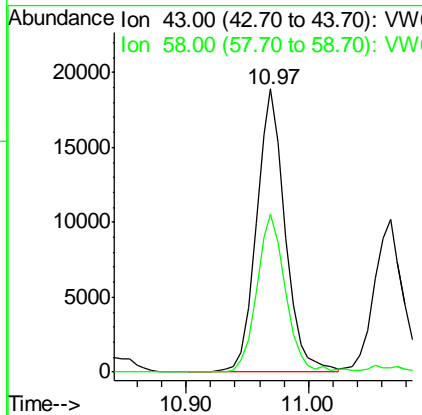
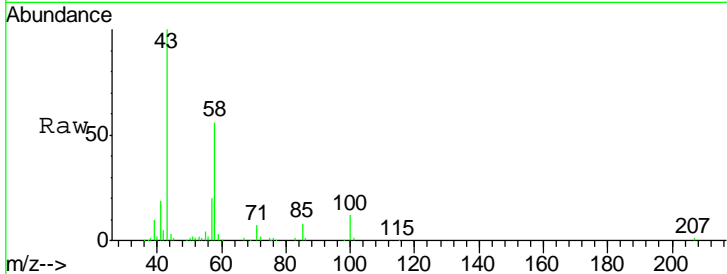
#59
 2-Hexanone
 Concen: 21.896 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.3	28.1	84.2

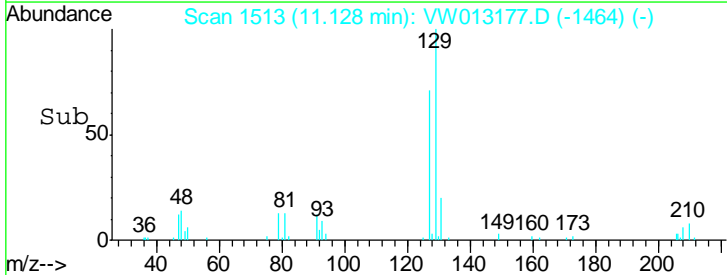
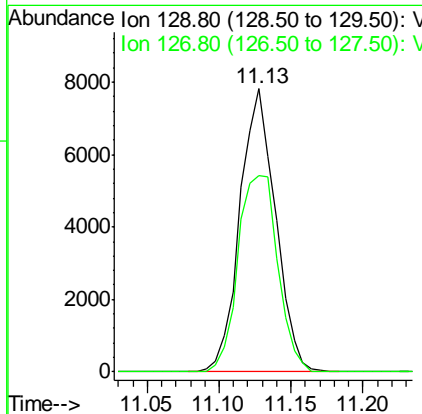
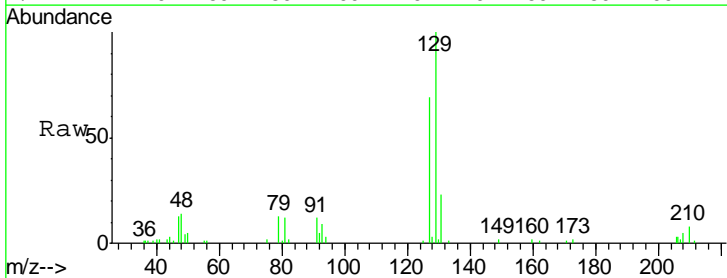
Manual Integrations APPROVED

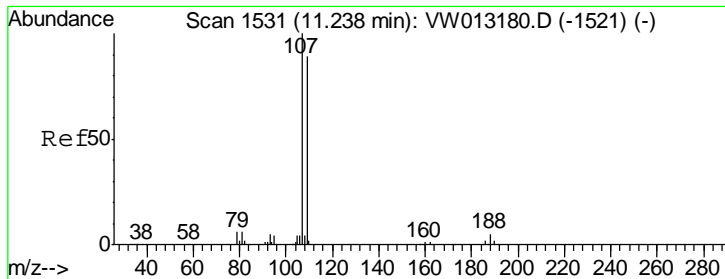
MMDadoda
 9/24/2019 5:28:40 AM



#60
 Dibromochloromethane
 Concen: 5.197 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.4	38.8	116.4





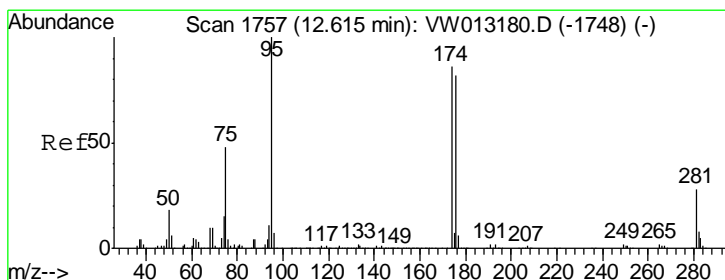
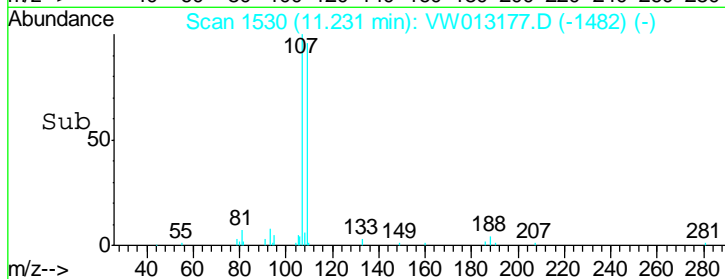
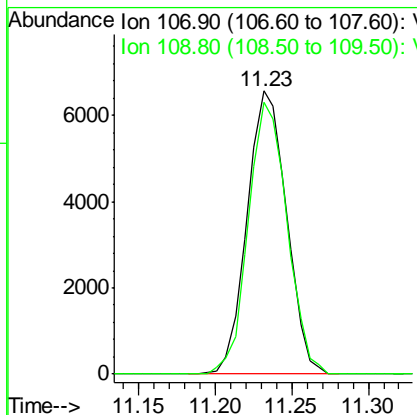
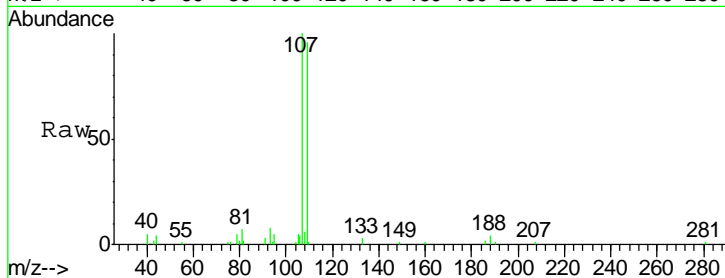
#61
 1,2-Dibromoethane
 Concen: 5.978 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
107	11789		
109	94.6	75.2	112.8

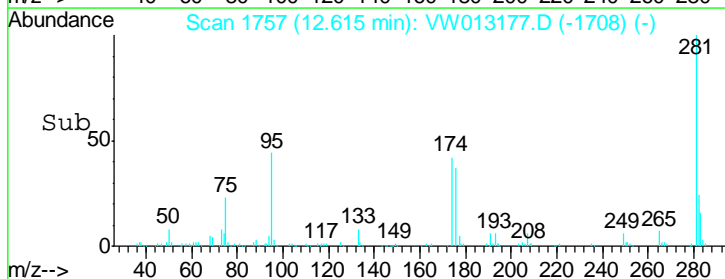
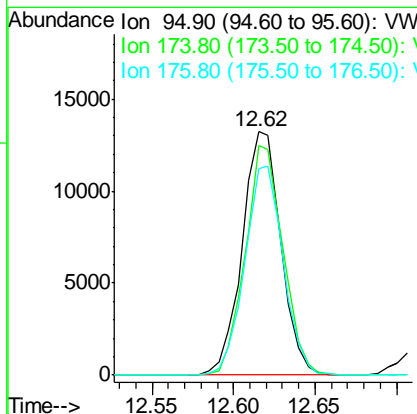
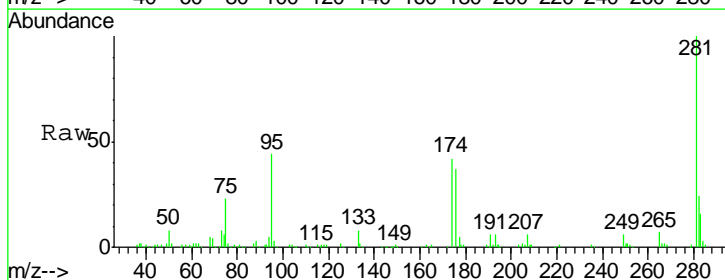
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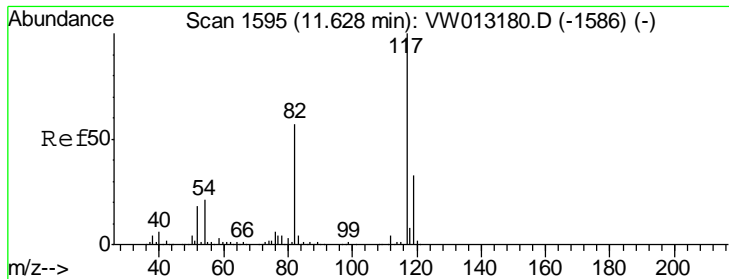
MMDadoda
 9/24/2019 5:28:40 AM



#62
 4-Bromofluorobenzene
 Concen: 5.791 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

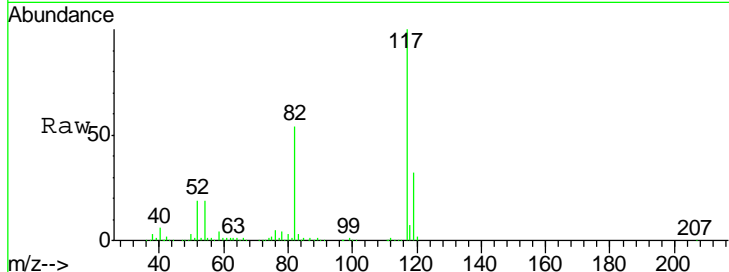
Tgt Ion	Resp	Lower	Upper
95	21761		
174	92.4	0.0	178.4
176	85.4	0.0	172.2





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

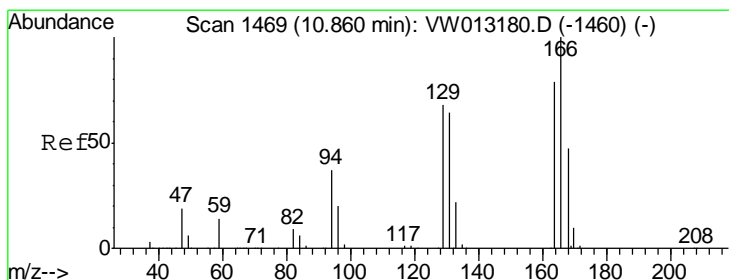
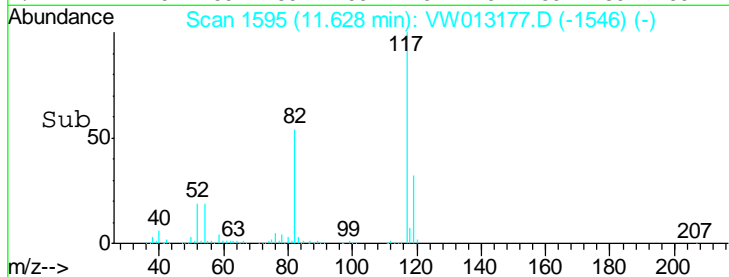
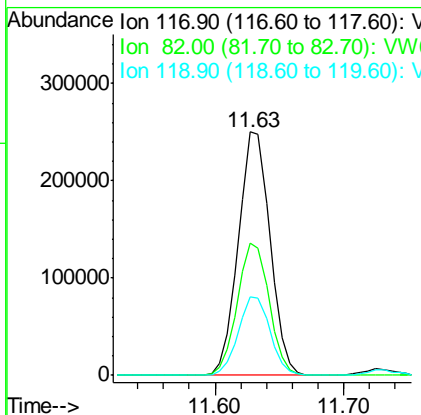


Tgt Ion: 117 Resp: 427372

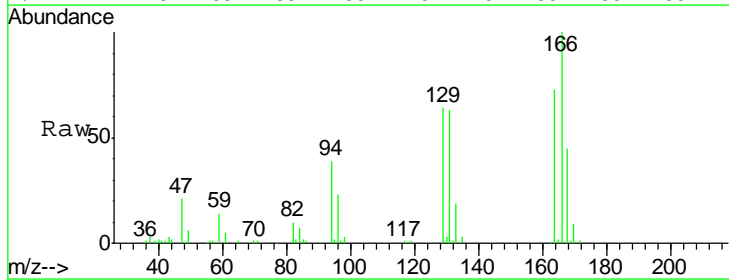
Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.9	68.9
119	32.5	26.2	39.2

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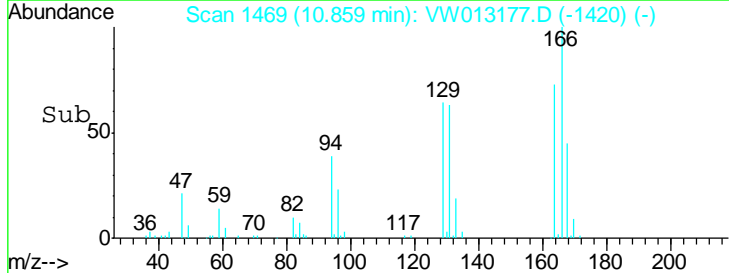
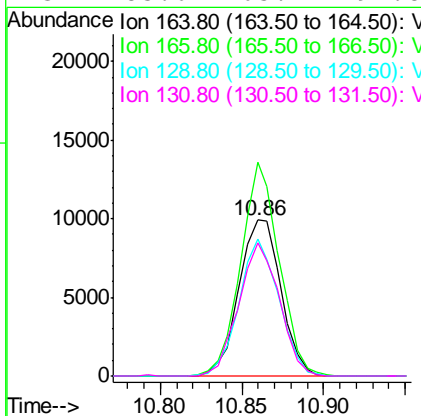


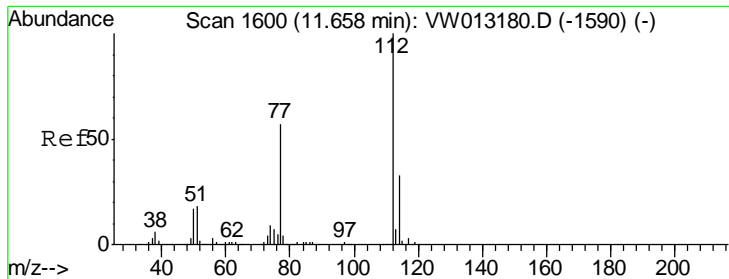
#64
 Tetrachloroethene
 Concen: 6.664 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43



Tgt Ion: 164 Resp: 17698

Ion	Ratio	Lower	Upper
164	100		
166	136.8	101.2	151.8
129	87.9	68.8	103.2
131	85.6	65.2	97.8





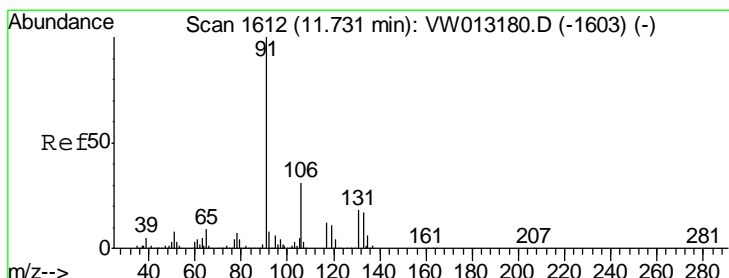
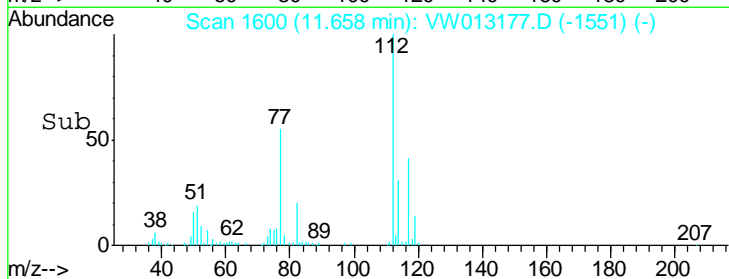
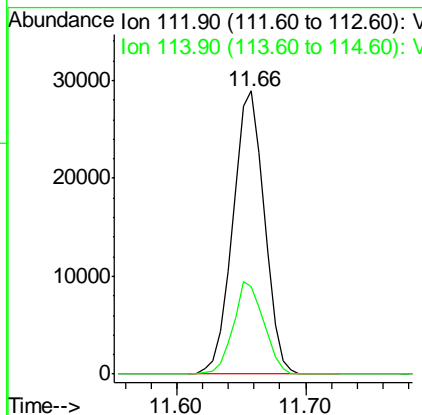
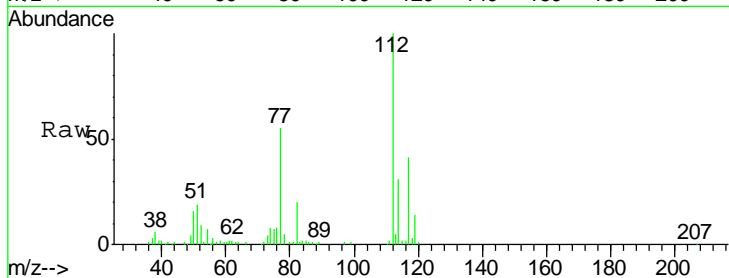
#65
 Chlorobenzene
 Concen: 6.283 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
112	49060		
114	31.0	26.5	39.7

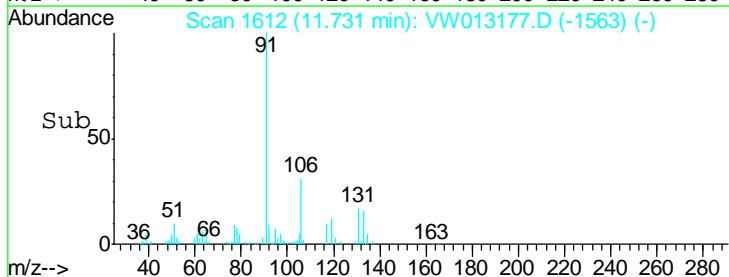
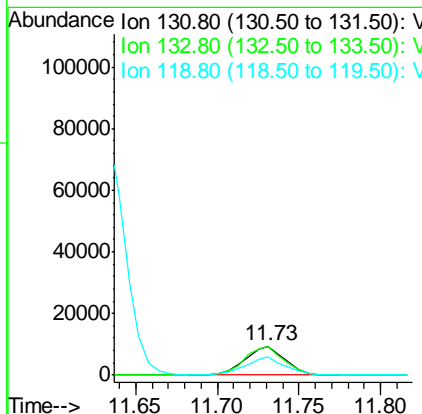
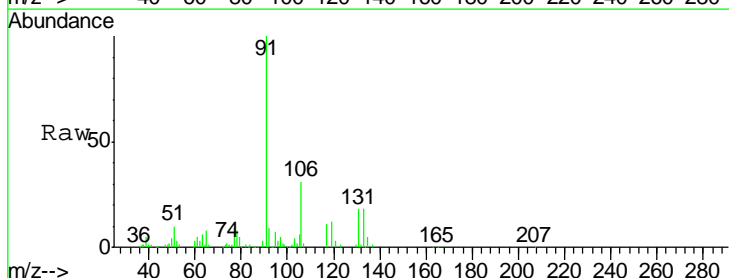
Manual Integrations
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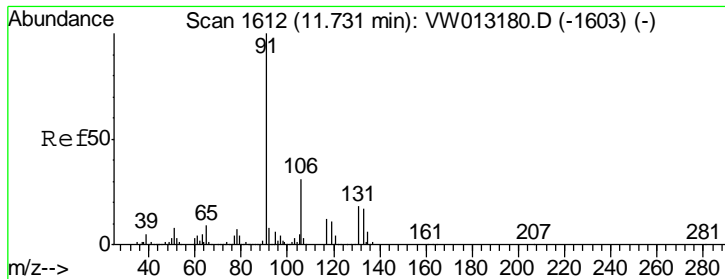
MMDadoda
 9/24/2019 5:28:40 AM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.359 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
131	15710		
133	98.5	47.5	142.6
119	62.4	32.5	97.5





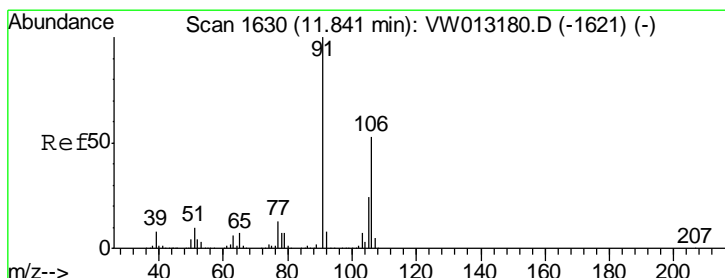
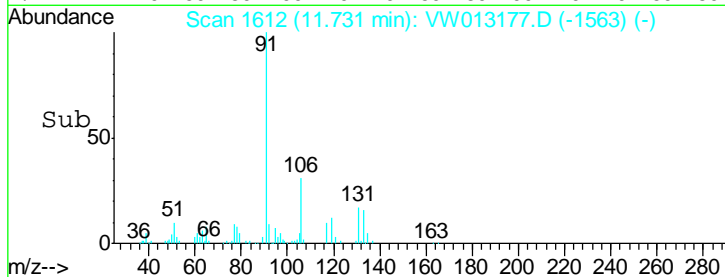
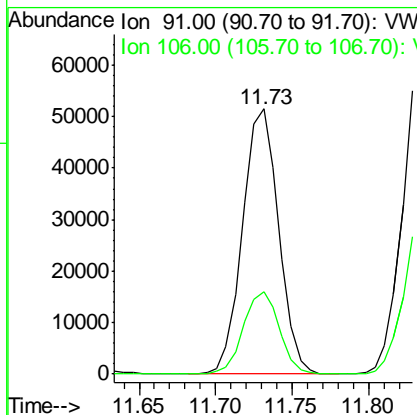
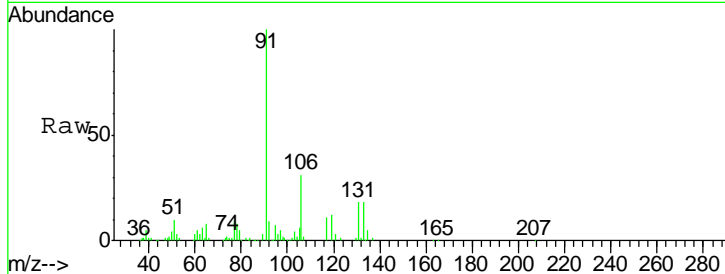
#67
 Ethyl Benzene
 Concen: 5.893 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.1	24.9	37.3

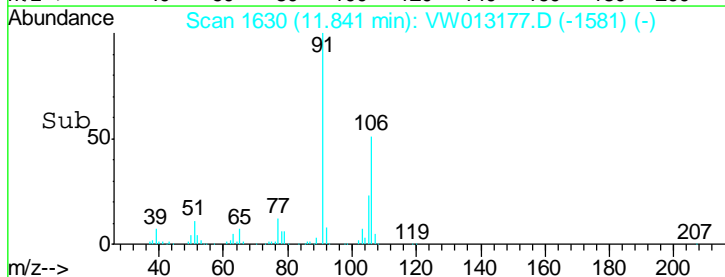
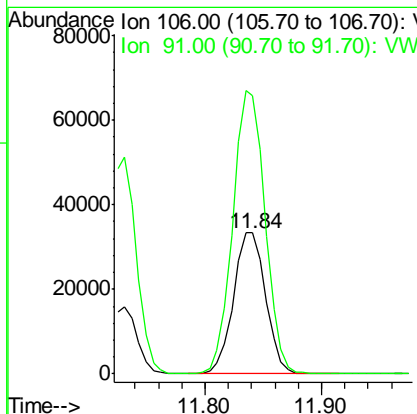
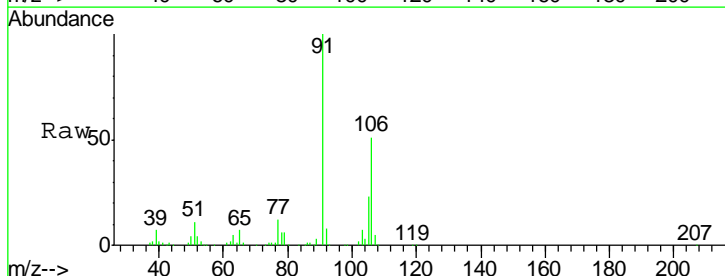
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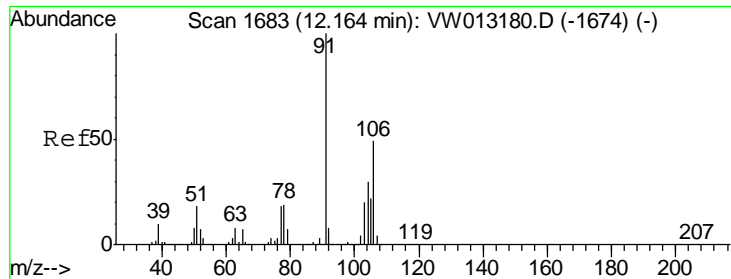
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#68
 m/p-Xylenes
 Concen: 12.126 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
106	100		
91	201.7	157.9	236.9





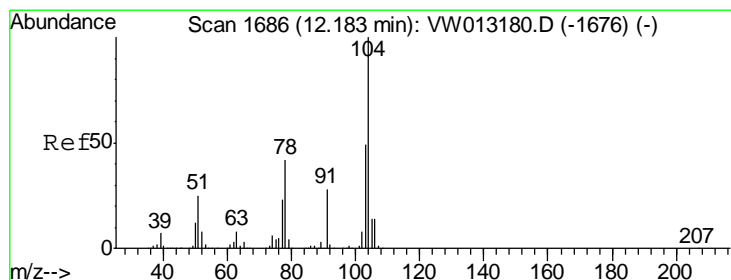
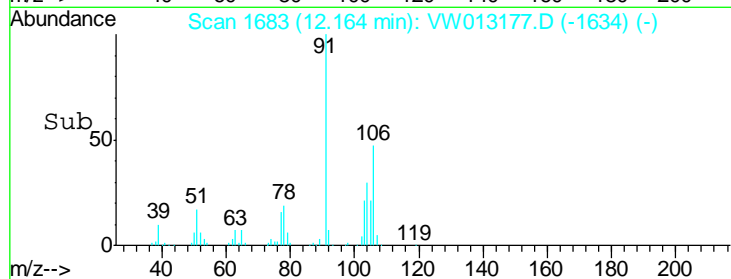
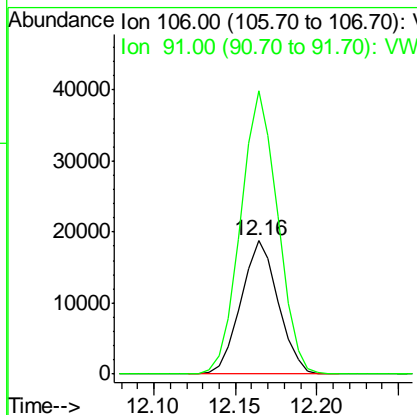
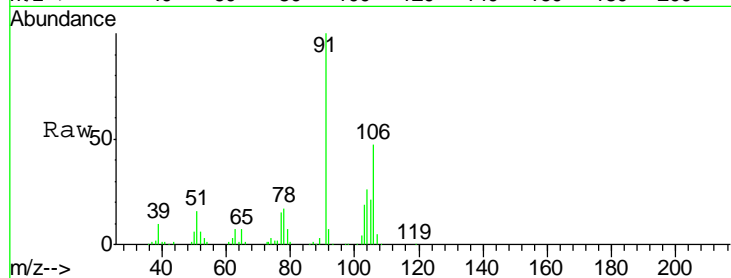
#69
 o-Xylene
 Concen: 6.051 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
106	29947		
106	100		
91	211.1	106.5	319.5

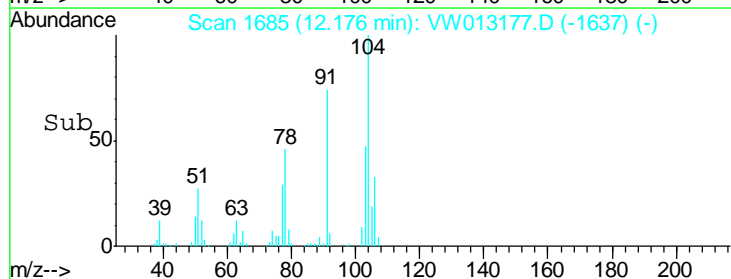
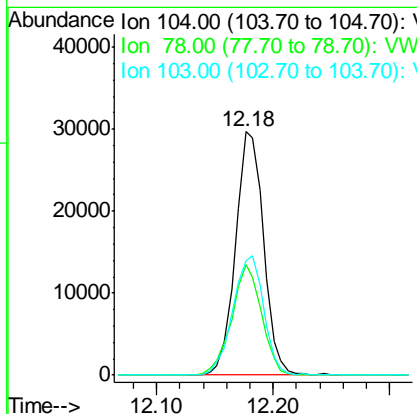
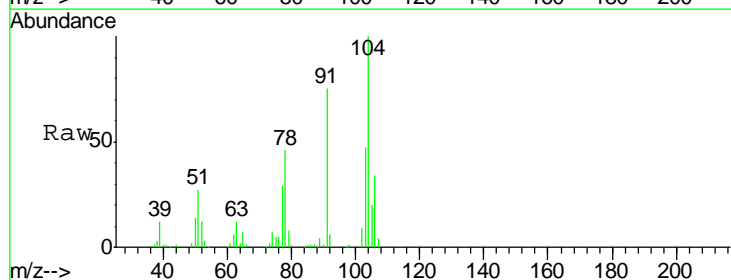
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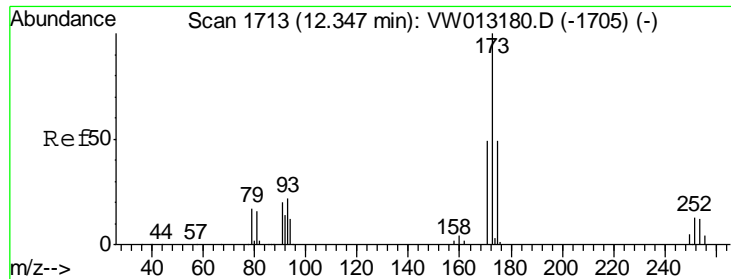
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 9/24/2019 5:28:40 AM



#70
 Styrene
 Concen: 5.710 ug/l
 RT: 12.18 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
104	50080		
104	100		
78	48.1	38.4	57.6
103	53.8	43.3	64.9





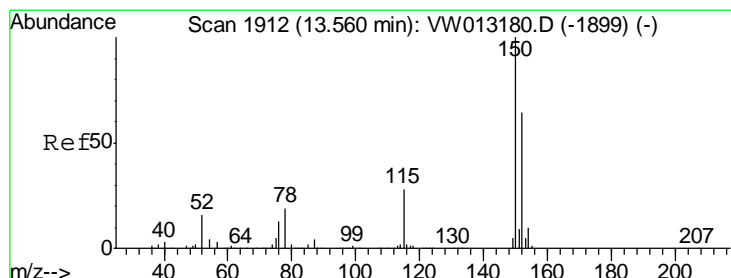
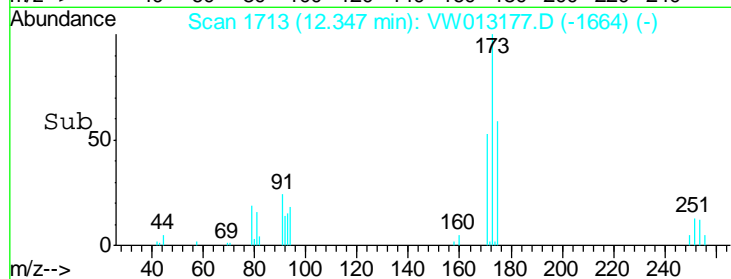
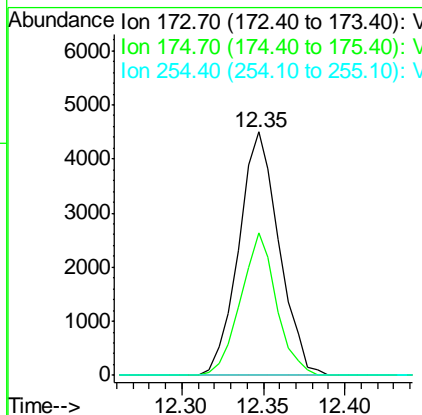
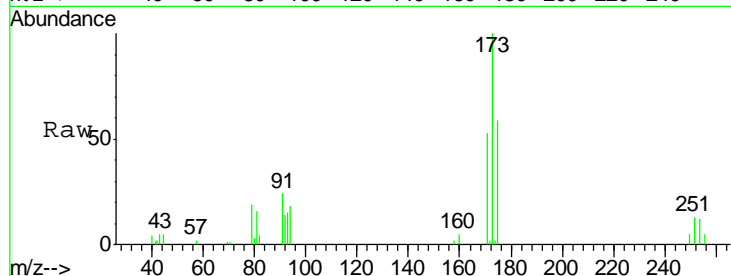
#71
 Bromoform
 Concen: 5.051 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
173	100		
175	51.9	24.3	73.0
254	0.0	0.1	0.1#

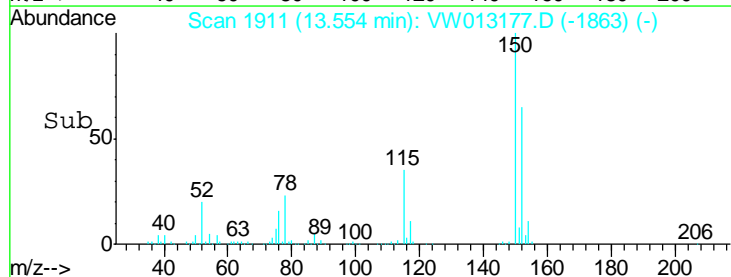
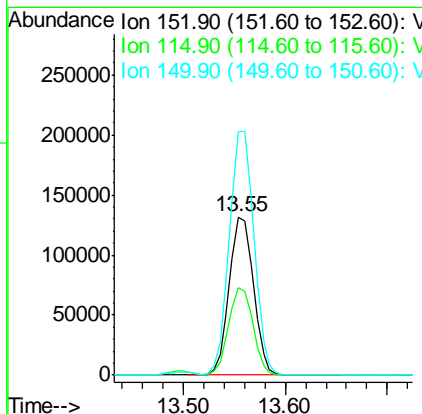
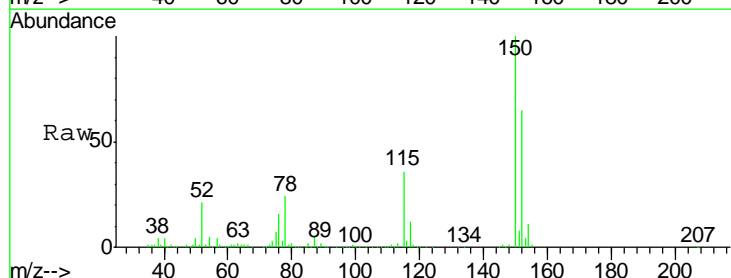
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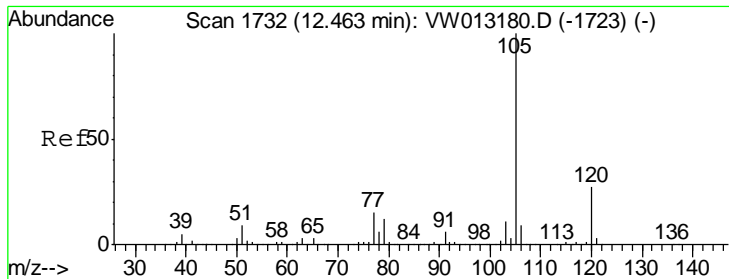
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.2	27.3	81.9
150	156.6	0.0	349.0





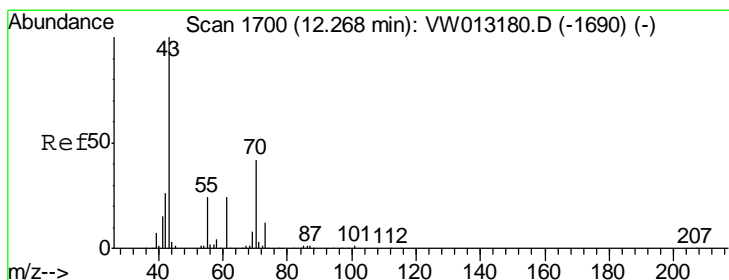
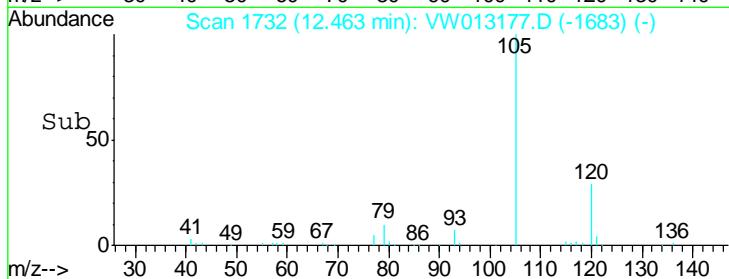
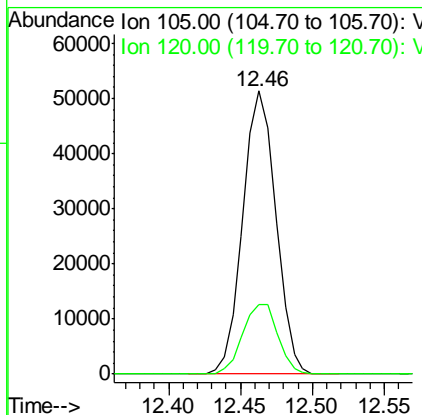
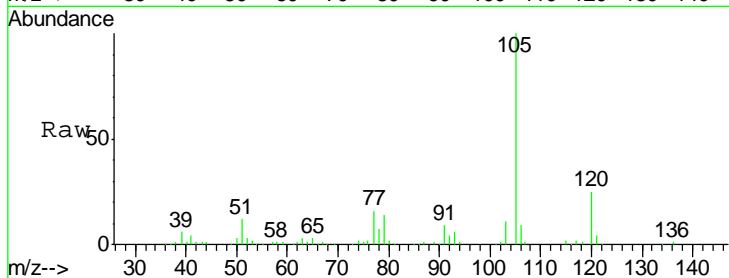
#73
 Isopropylbenzene
 Concen: 5.620 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampleId : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.2	13.4	40.1

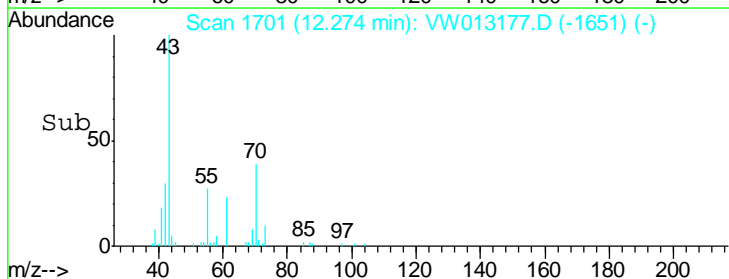
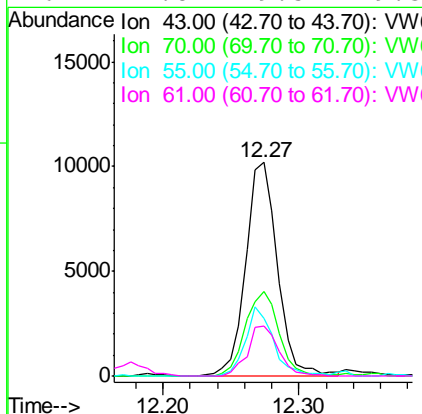
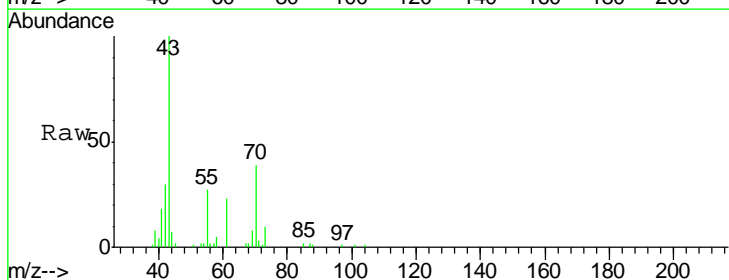
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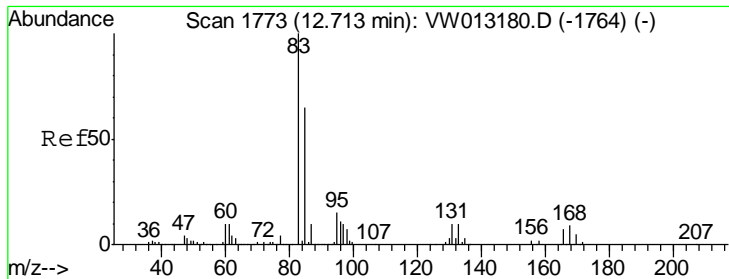
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#74
 N-ethyl acetate
 Concen: 4.572 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
43	100		
70	41.7	35.1	52.7
55	28.2	19.9	29.9
61	22.8	19.5	29.3





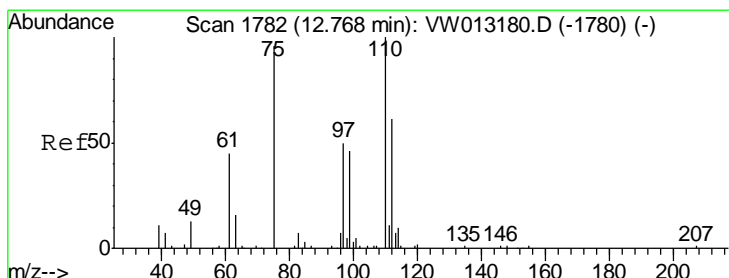
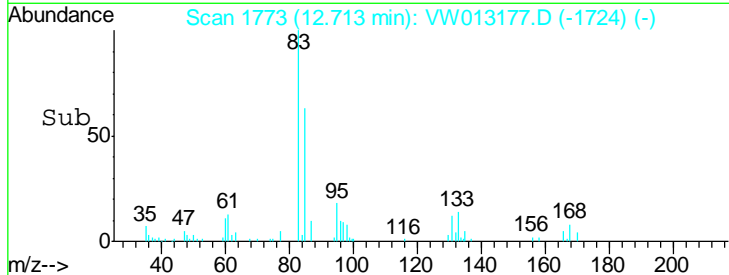
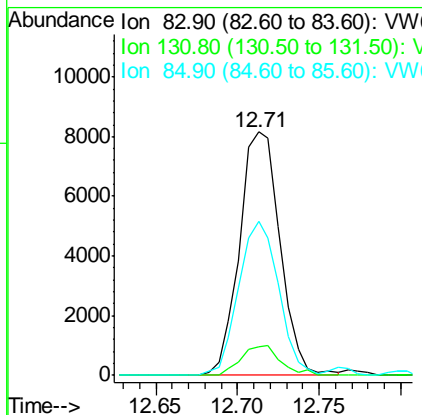
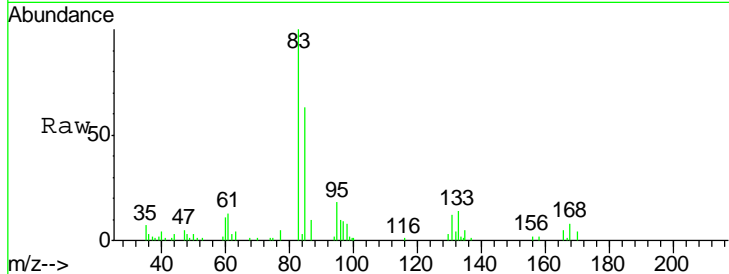
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.616 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	14141		
83	100		
131	11.9	5.4	16.2
85	62.2	31.9	95.9

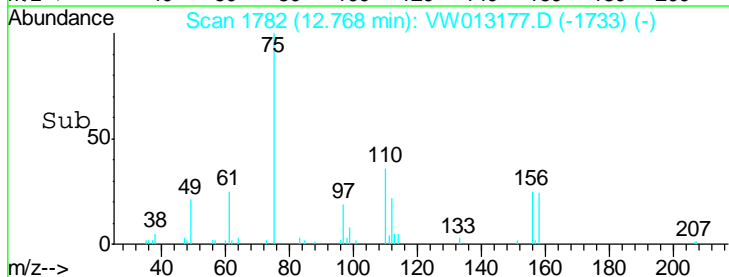
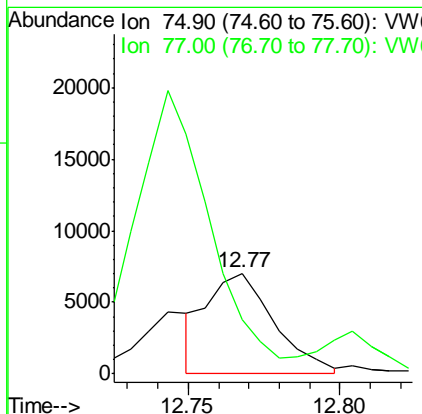
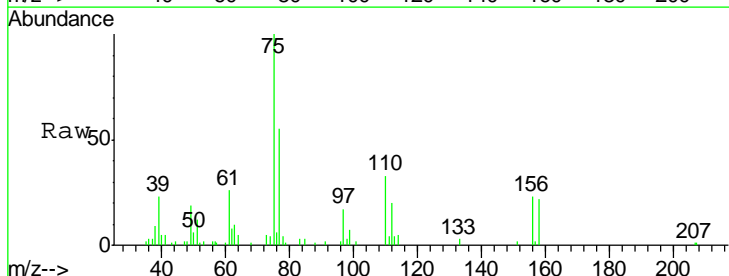
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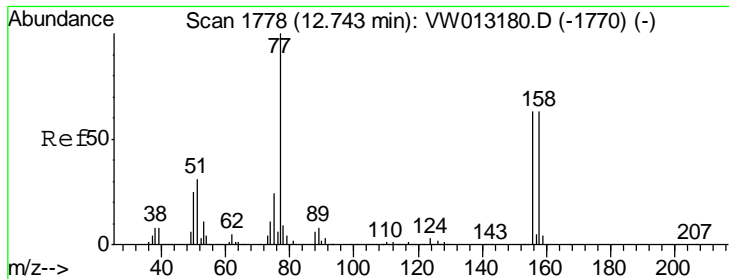
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#76
 1,2,3-Trichloropropane
 Concen: 5.705 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
75	10765		
75	100		
77	0.0	0.0	0.0





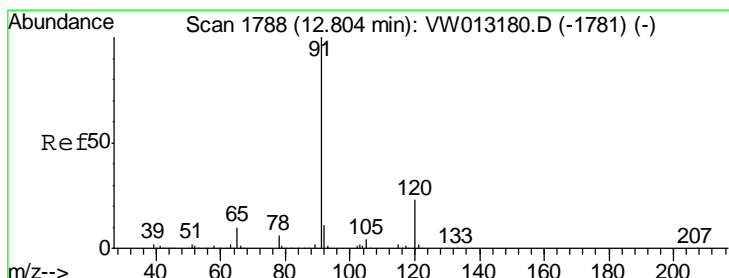
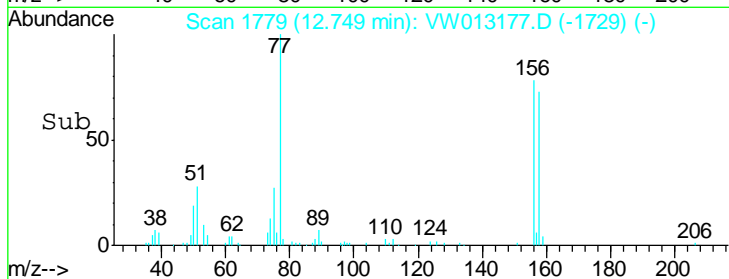
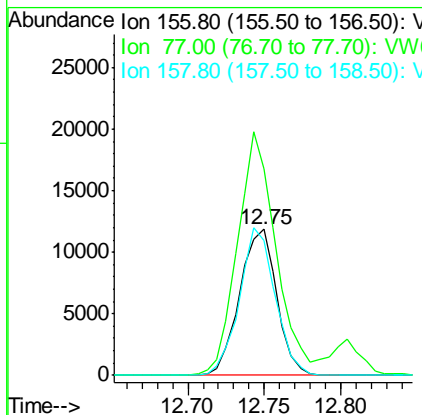
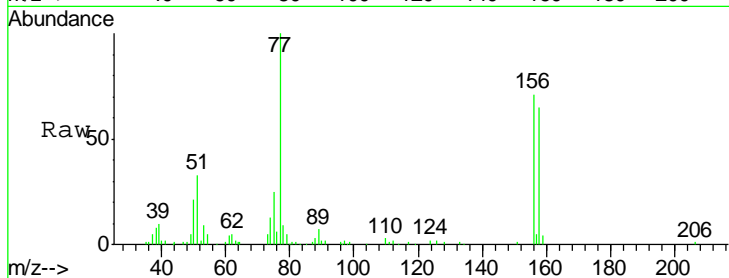
#77
 Bromobenzene
 Concen: 5.866 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	19907		
77	172.0	85.7	257.1
158	97.4	48.1	144.4

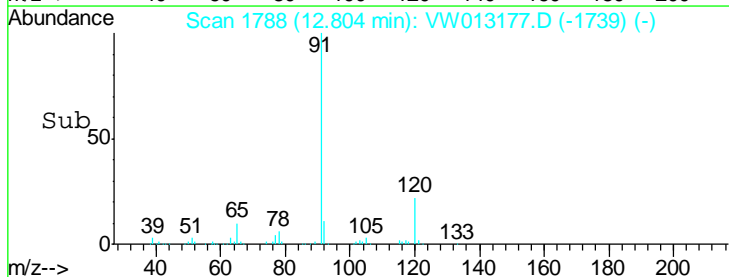
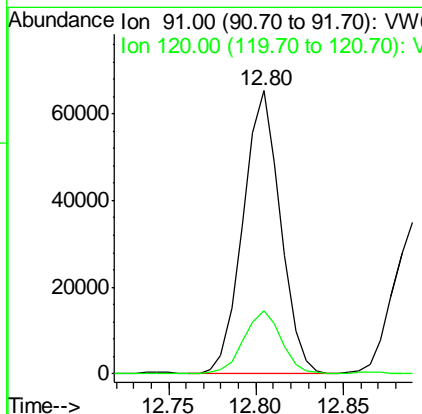
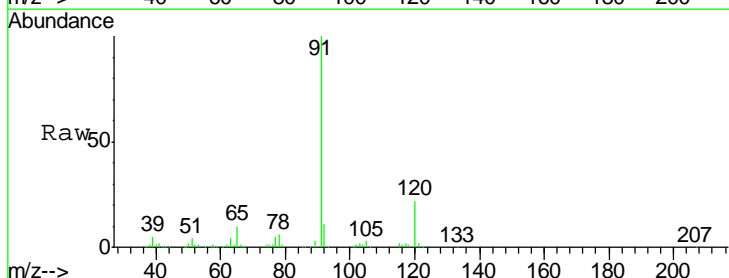
Manual Integrations
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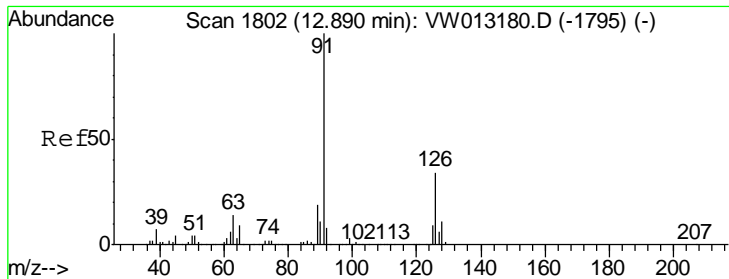
MMDadoda
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#78
 n-propylbenzene
 Concen: 5.651 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
91	96757		
120	22.4	11.7	35.1





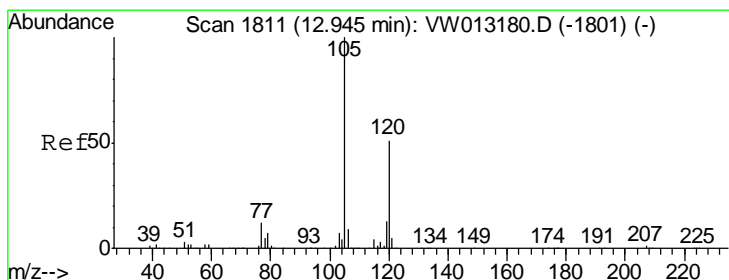
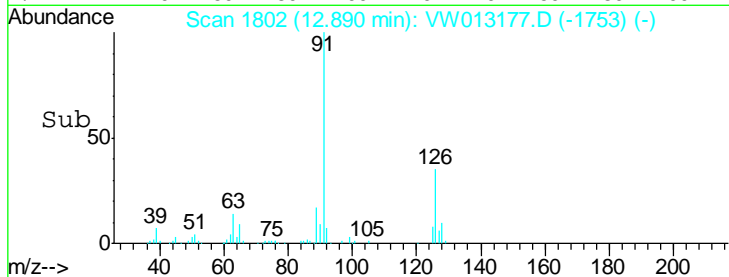
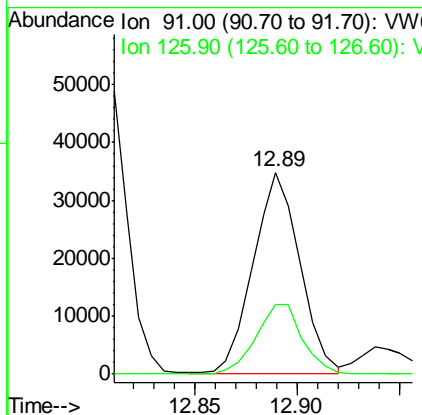
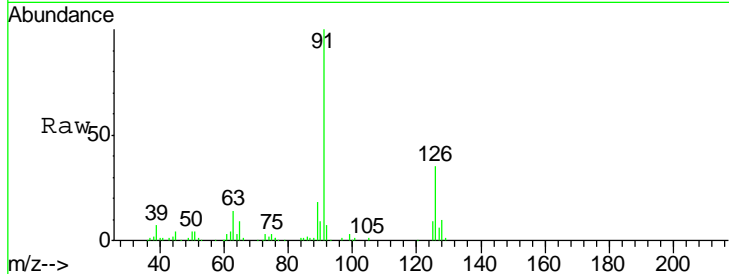
#79
 2-Chlorotoluene
 Concen: 5.647 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.6	17.2	51.5

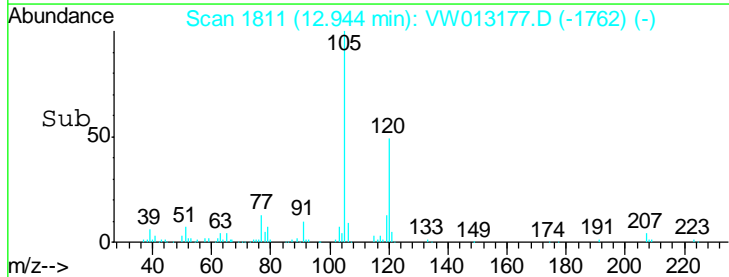
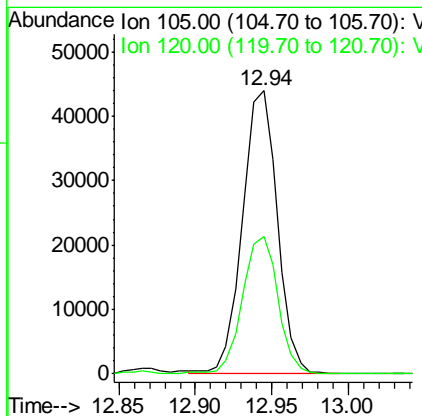
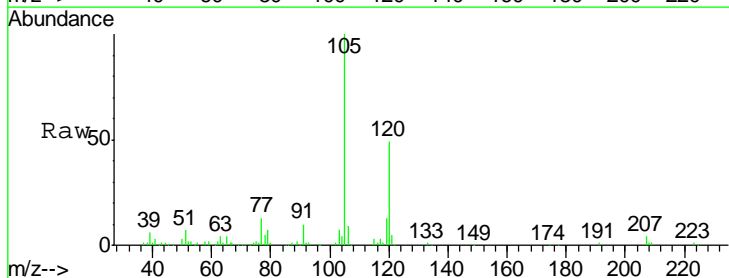
Manual Integrations
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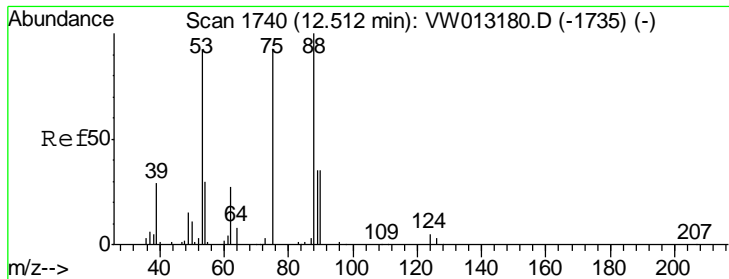
MMDadoda
 9/24/2019 5:28:40 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.639 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.5	24.9	74.8





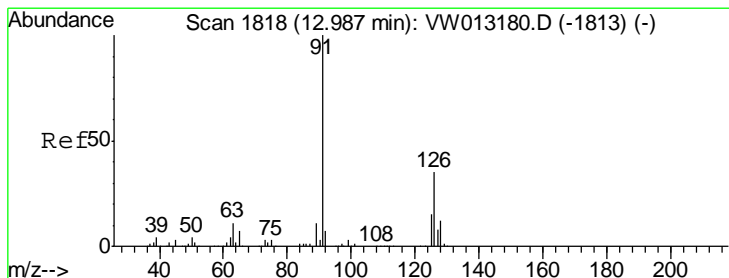
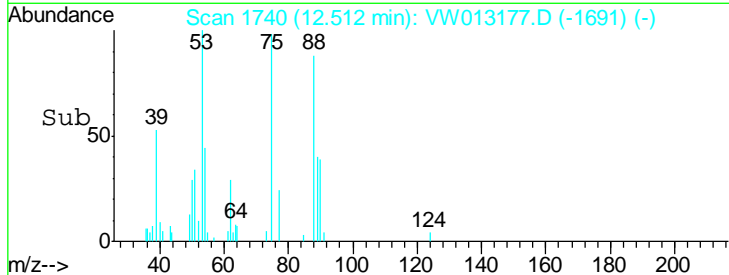
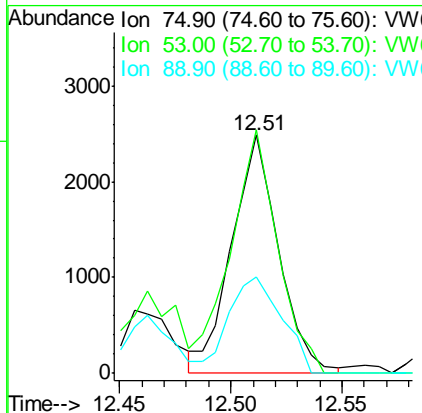
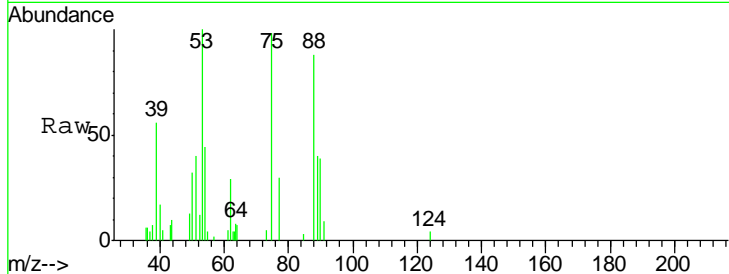
#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.386 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	3658		
75	100		
53	102.8	76.6	114.8
89	44.9	33.5	50.3

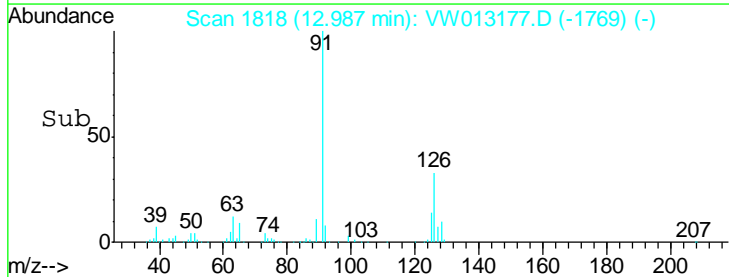
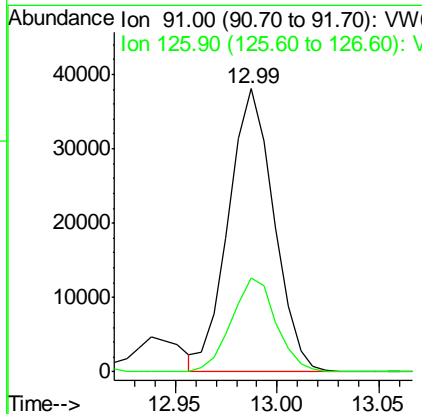
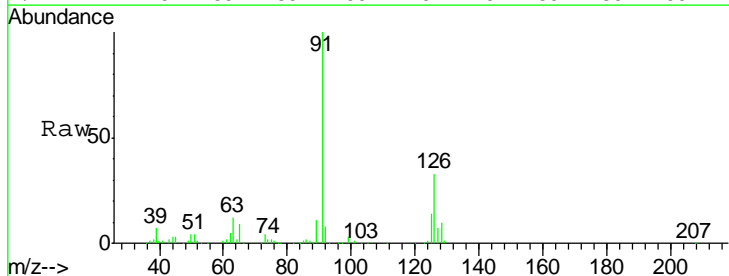
Manual Integrations
 APPROVED

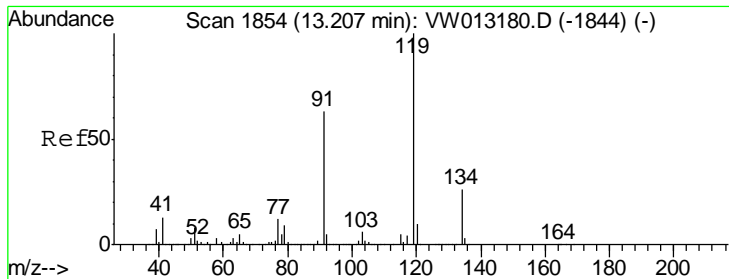
MMDadoda
 9/24/2019 5:28:40 AM



#82
 4-Chlorotoluene
 Concen: 5.713 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

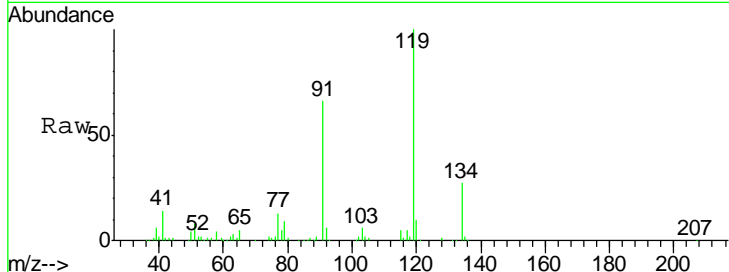
Tgt Ion	Resp	Lower	Upper
91	58821		
91	100		
126	32.8	17.3	51.7





#83
 tert-Butylbenzene
 Concen: 5.532 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

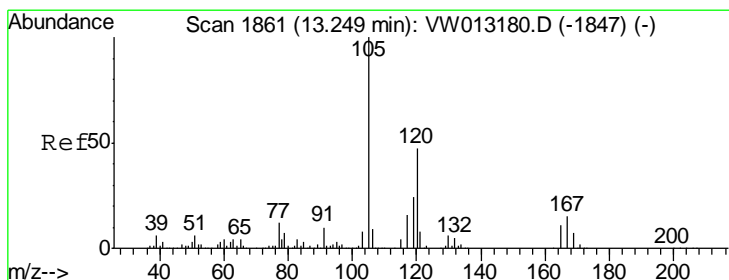
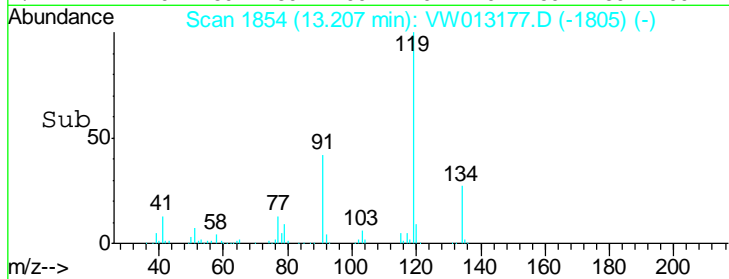
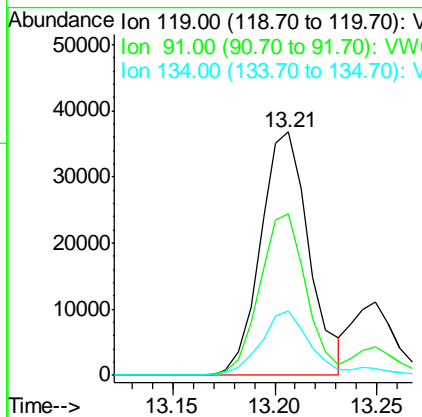
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005



Tgt Ion	Resp	Lower	Upper
119	60769		
91	63.8	30.7	92.1
134	26.6	12.6	37.6

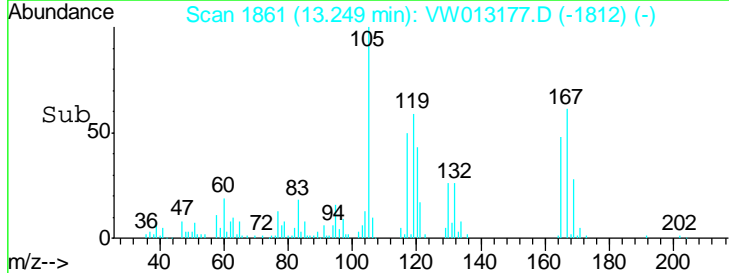
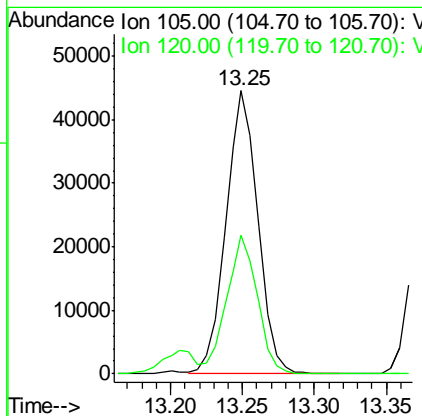
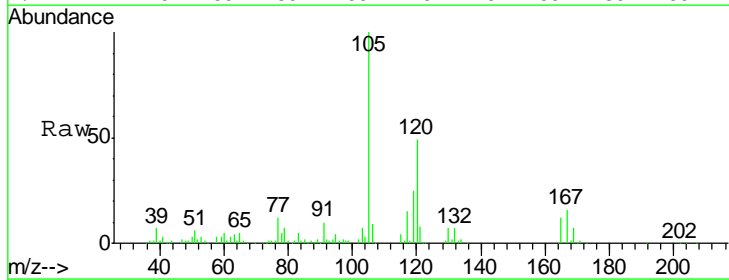
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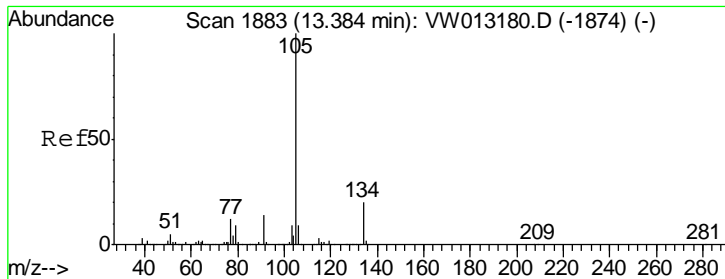
MMDadoda
 9/24/2019 5:28:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.665 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
105	69038		
120	47.5	23.4	70.3





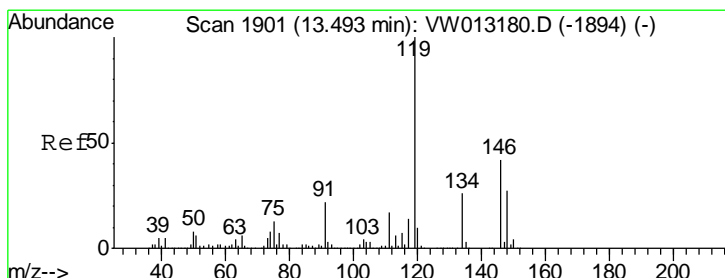
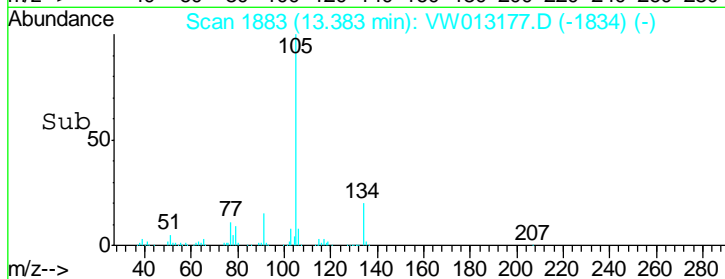
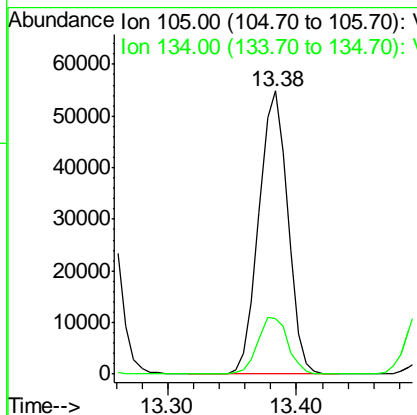
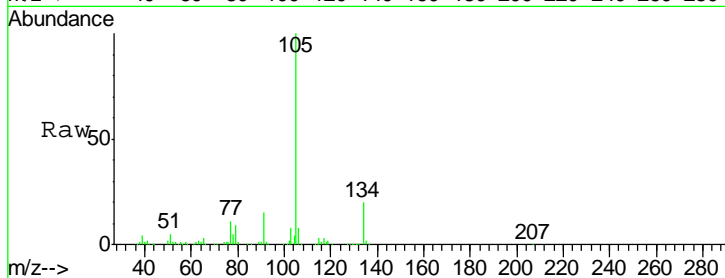
#85
 sec-Butylbenzene
 Concen: 5.675 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.7	10.3	30.8

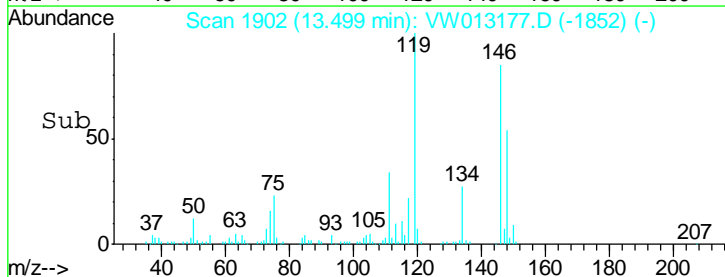
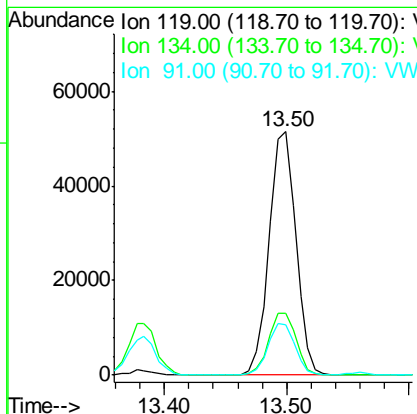
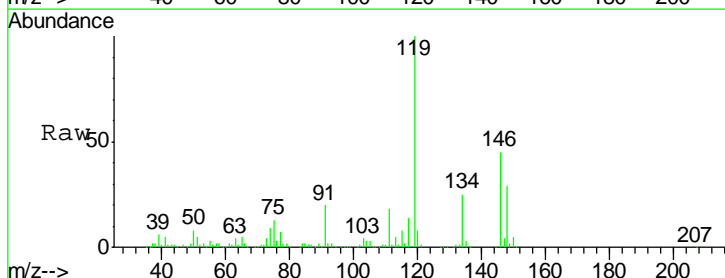
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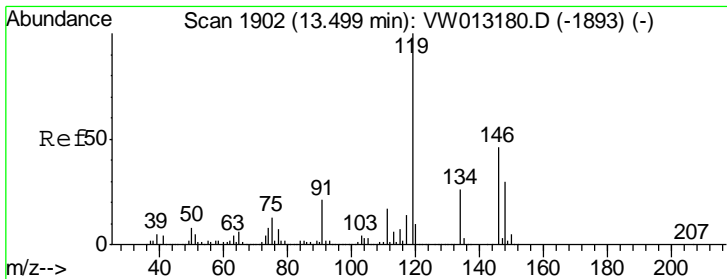
MMDadoda
 9/24/2019 5:28:40 AM



#86
 p-Isopropyltoluene
 Concen: 5.685 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

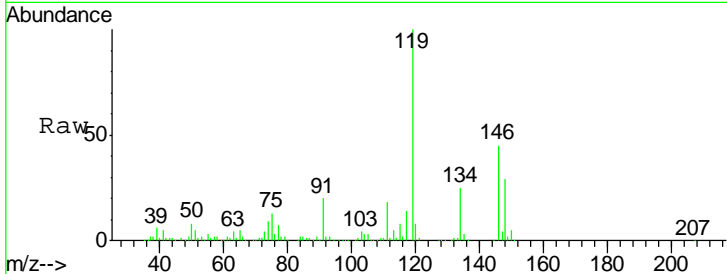
Tgt Ion	Resp	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	21.7	10.8	32.4





#87
 1,3-Dichlorobenzene
 Concen: 5.866 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

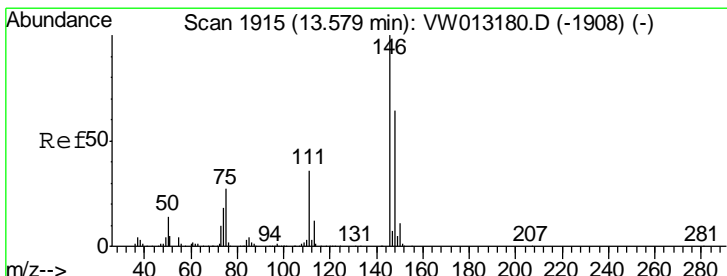
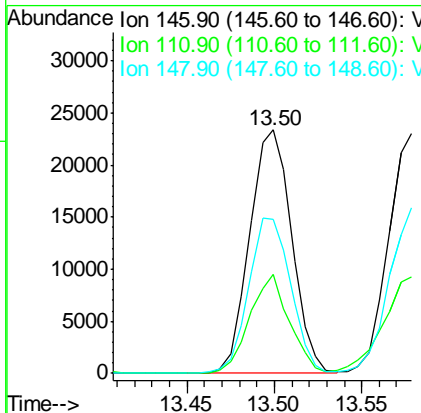
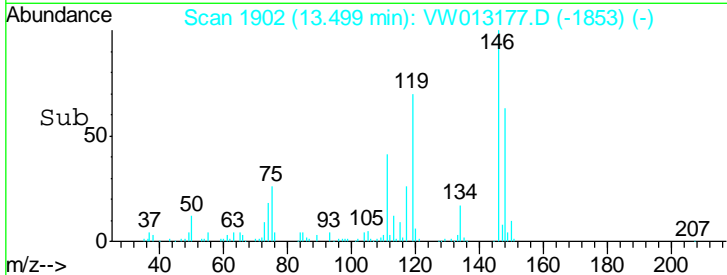
Instrument : MSVOA_W
 Client Sampled : VSTDIC005



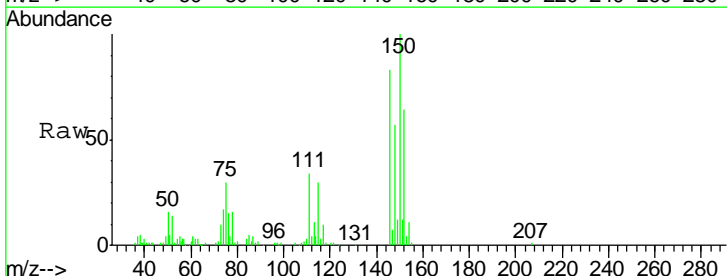
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.8	31.9	95.5

Manual Integrations
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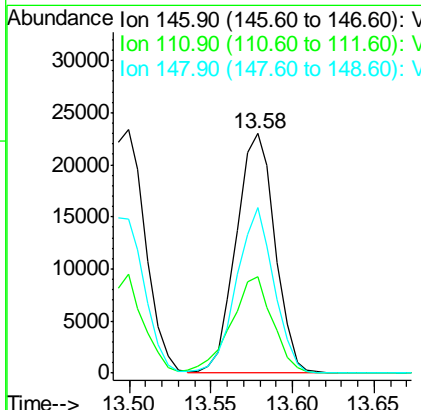
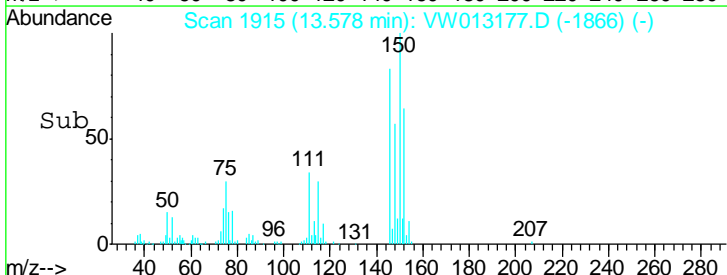
MMDadoda
 9/24/2019 5:28:40 AM

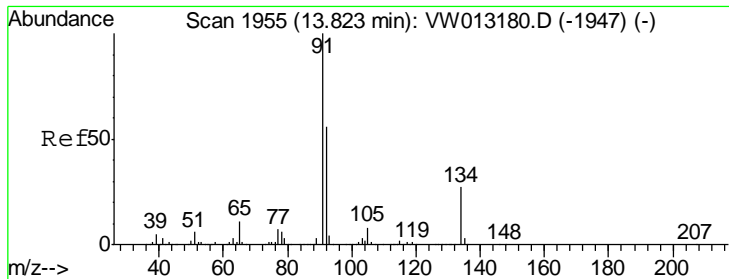


#88
 1,4-Dichlorobenzene
 Concen: 5.846 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43



Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	18.4	55.0
148	66.8	32.1	96.3





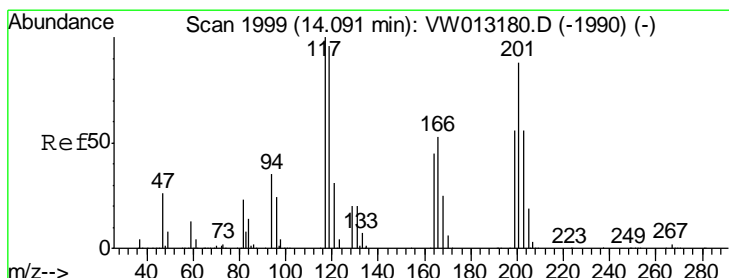
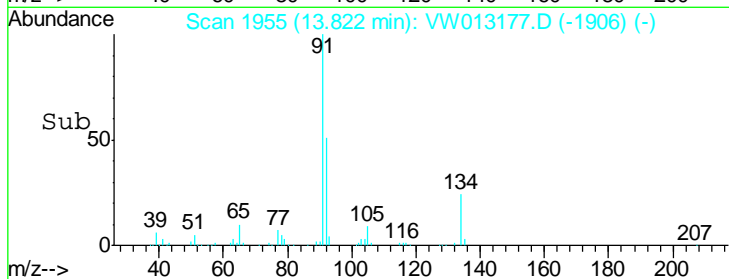
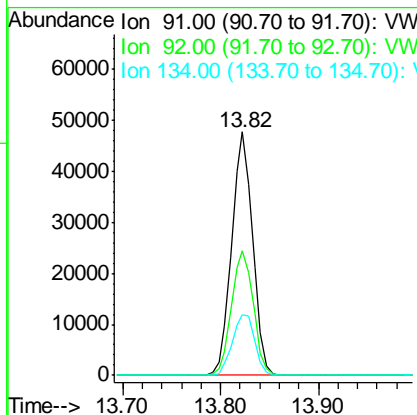
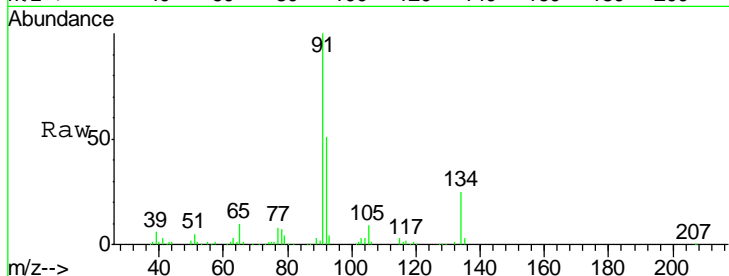
#89
 n-Butylbenzene
 Concen: 5.483 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.2	27.6	82.8
134	26.8	13.7	41.1

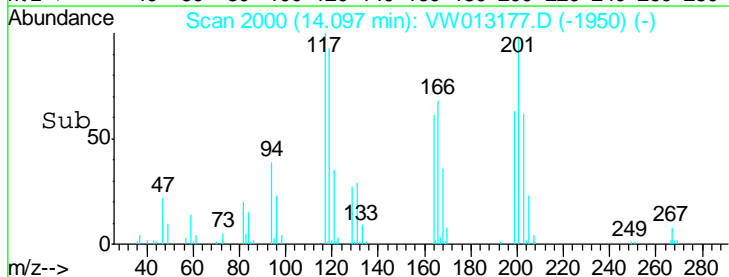
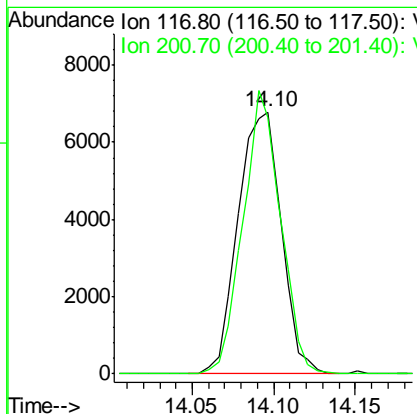
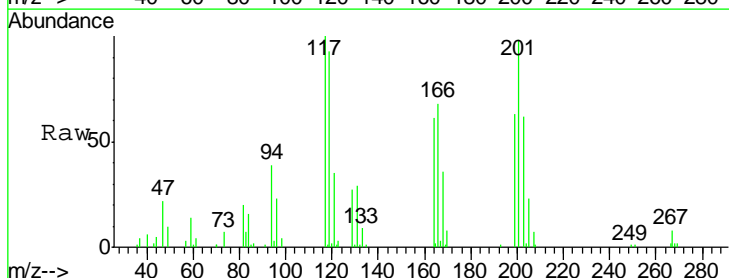
Manual Integrations
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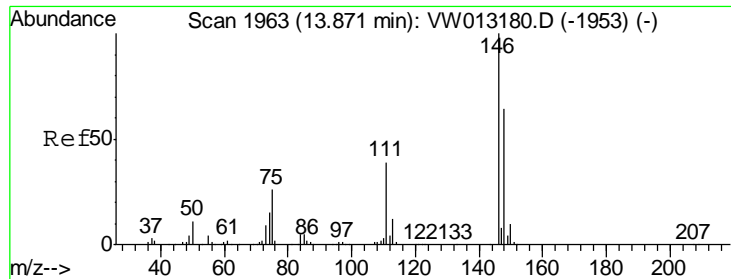
MMDadoda
 9/24/2019 5:28:40 AM



#90
 Hexachloroethane
 Concen: 5.111 ug/l
 RT: 14.10 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
117	100		
201	93.5	44.5	133.5





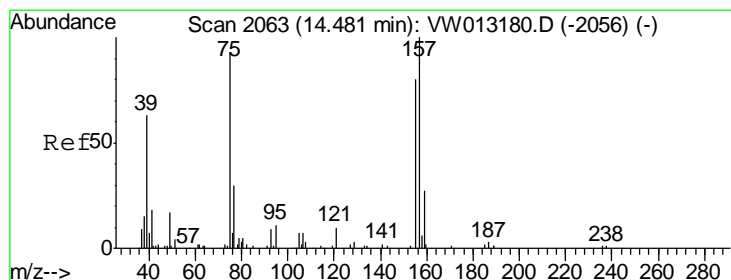
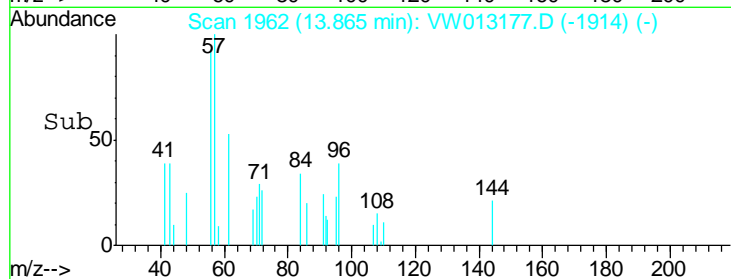
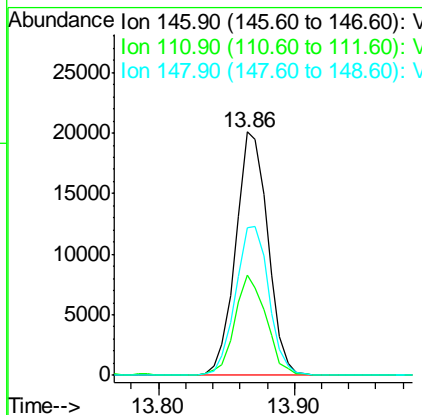
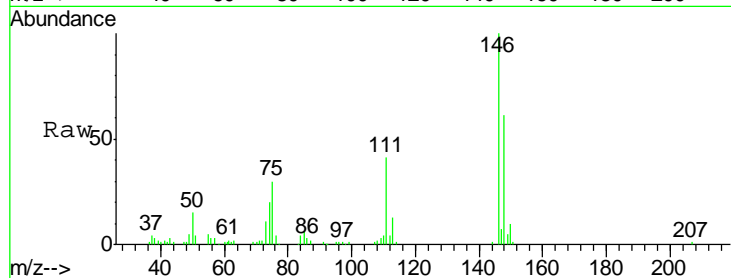
#91
 1,2-Dichlorobenzene
 Concen: 5.676 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	33176		
146	100		
111	40.1	20.1	60.3
148	63.3	32.0	96.0

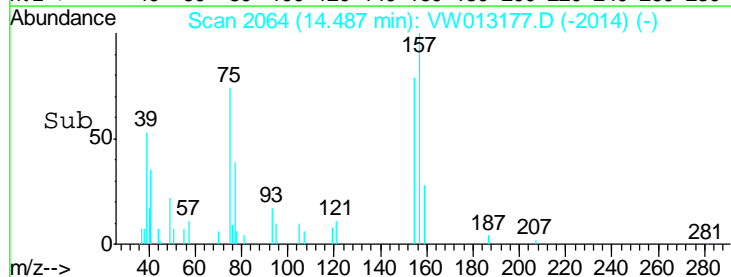
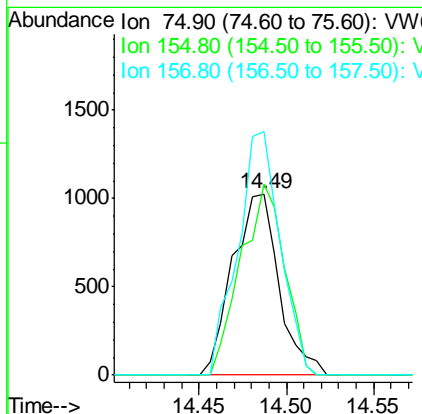
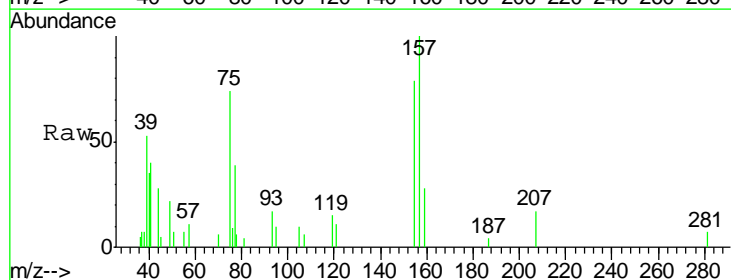
Manual Integrations
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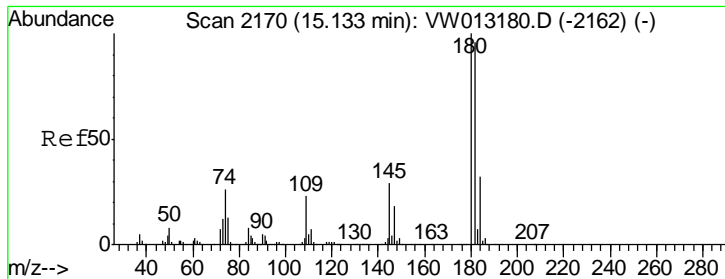
MMDadoda
 9/24/2019 5:28:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.164 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
75	1886		
75	100		
155	99.8	46.1	138.3
157	123.4	60.4	181.2





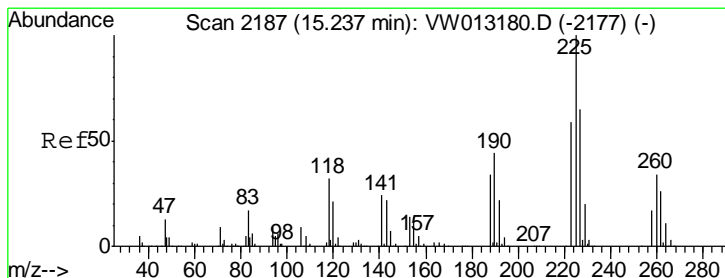
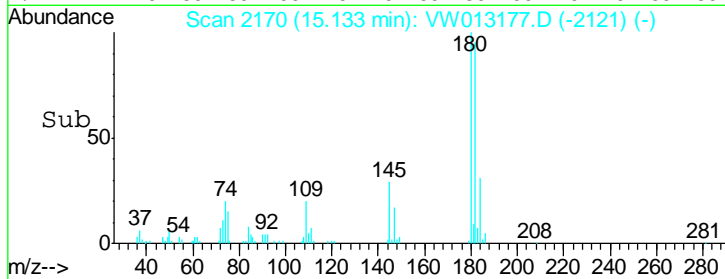
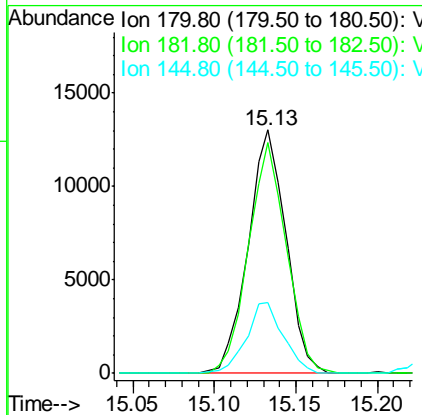
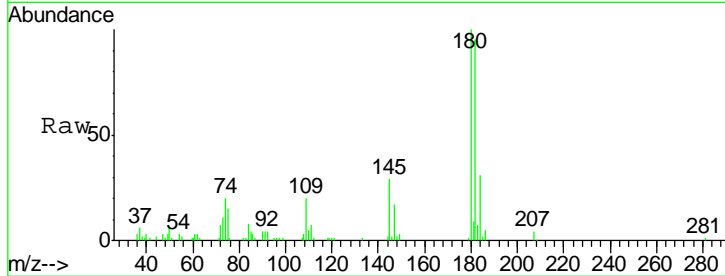
#93
 1,2,4-Trichlorobenzene
 Concen: 5.043 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
180	21061		
180	100		
182	94.7	47.3	142.0
145	28.3	14.2	42.8

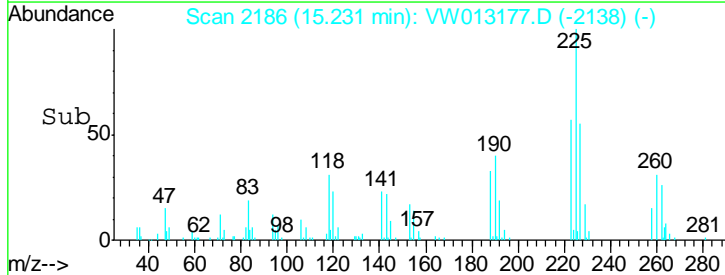
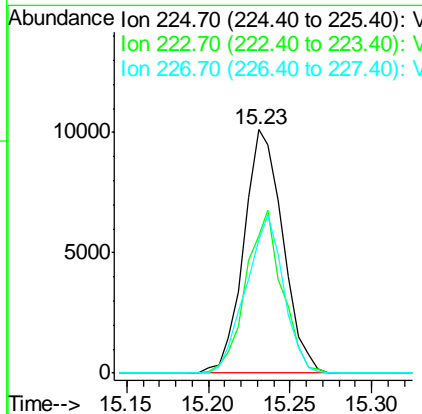
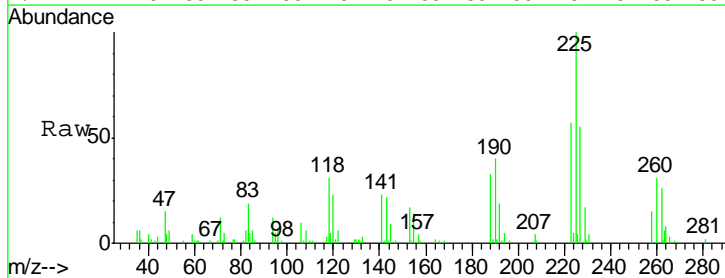
Manual Integrations
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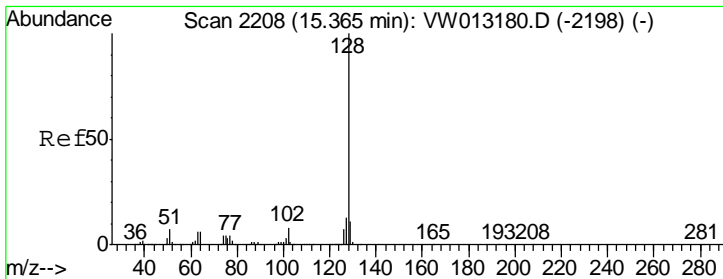
MMDadoda
 9/24/2019 5:28:40 AM



#94
 Hexachlorobutadiene
 Concen: 5.703 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

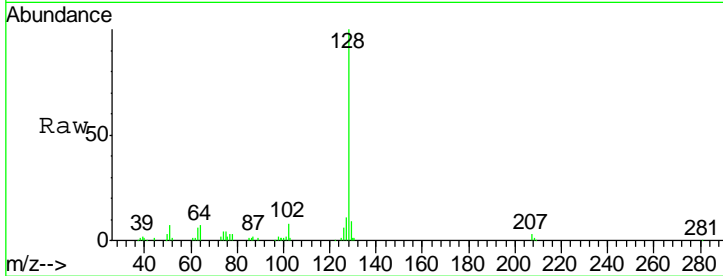
Tgt Ion	Resp	Lower	Upper
225	16777		
225	100		
223	62.4	30.6	91.8
227	62.5	31.9	95.9





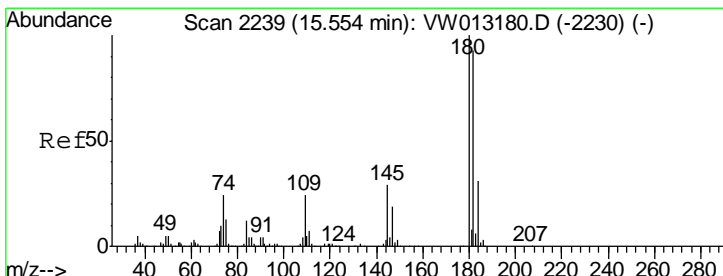
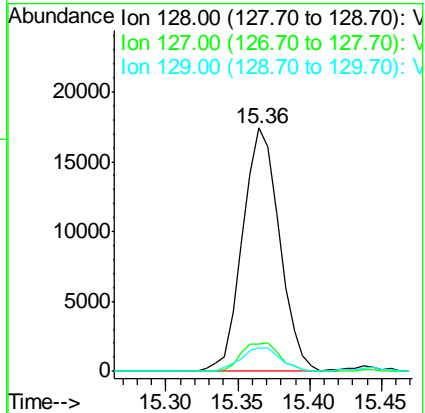
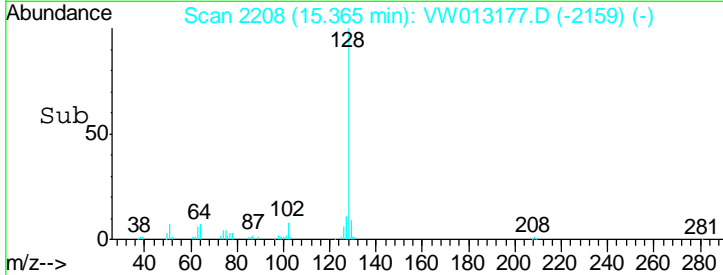
#95
 Naphthalene
 Concen: 4.473 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

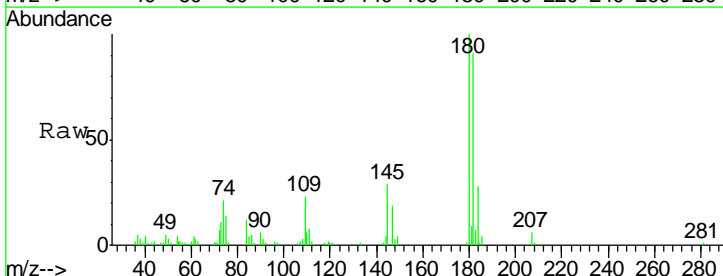


Tgt Ion	Resp	Lower	Upper
128	30972		
127	12.3	10.6	15.8
129	10.5	8.7	13.1

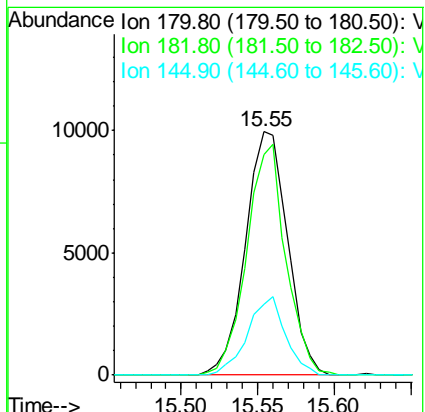
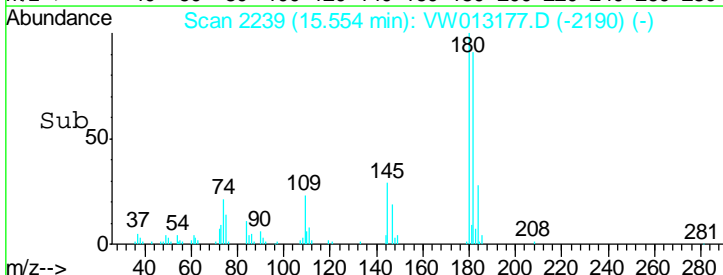
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:28:40 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 5.164 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43



Tgt Ion	Resp	Lower	Upper
180	19002		
182	88.6	47.9	143.7
145	29.2	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013178.D
 Acq On : 20 Sep 2019 13:09
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	208501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	28005	9.25	ug/l	0.00
Spiked Amount	50.000		Recovery	= 18.50%		
35) Dibromofluoromethane	7.88	113	25651	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	= 19.74%		
50) Toluene-d8	10.32	98	109788	10.71	ug/l	0.00
Spiked Amount	50.000		Recovery	= 21.42%		
62) 4-Bromofluorobenzene	12.62	95	37524	10.23	ug/l	0.00
Spiked Amount	50.000		Recovery	= 20.46%		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	18874	12.391	ug/l	100
3) Chloromethane	2.21	50	26658	13.733	ug/l	99
4) Vinyl Chloride	2.36	62	33450	13.184	ug/l	96
5) Bromomethane	2.77	94	20892	13.272	ug/l	90
6) Chloroethane	2.92	64	19296	12.465	ug/l	89
7) Trichlorofluoromethane	3.25	101	18340	10.774	ug/l	96
8) Diethyl Ether	3.68	74	15134	11.125	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31094	11.820	ug/l	98
10) Methyl Iodide	4.27	142	46009	13.376	ug/l	99
11) Tert butyl alcohol	5.19	59	13261m	56.268	ug/l	
12) 1,1-Dichloroethene	4.04	96	31256	12.747	ug/l	92
13) Acrolein	3.90	56	8923	41.800	ug/l	100
14) Allyl chloride	4.67	41	48454	10.776	ug/l	99
15) Acrylonitrile	5.36	53	34311	51.228	ug/l	96
16) Acetone	4.12	43	32421	45.466	ug/l	92
17) Carbon Disulfide	4.38	76	87261	16.163	ug/l	98
18) Methyl Acetate	4.67	43	17771	10.091	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	48334	10.510	ug/l	99
20) Methylene Chloride	4.91	84	36673	12.139	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	33211	12.607	ug/l	96
22) Diisopropyl ether	6.31	45	91989	10.002	ug/l	95
23) Vinyl Acetate	6.26	43	274179	50.135	ug/l	97
24) 1,1-Dichloroethane	6.21	63	57297	10.695	ug/l	96
25) 2-Butanone	7.17	43	49151	50.788	ug/l	94
26) 2,2-Dichloropropane	7.16	77	40119	10.728	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	34638	11.234	ug/l	92
28) Bromochloromethane	7.51	49	20432	9.104	ug/l	100
29) Tetrahydrofuran	7.54	42	28757	51.458	ug/l	97
30) Chloroform	7.67	83	55997	10.409	ug/l	97
31) Cyclohexane	7.95	56	60752	12.770	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	44070	9.931	ug/l	98
36) 1,1-Dichloropropene	8.08	75	47426	11.967	ug/l	98
37) Ethyl Acetate	7.25	43	21223	10.526	ug/l	98
38) Carbon Tetrachloride	8.07	117	41510	10.450	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013178.D
 Acq On : 20 Sep 2019 13:09
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Manual Integrations
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 9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	58900	13.038	ug/l	95
40) Benzene	8.32	78	129223	11.680	ug/l	95
41) Methacrylonitrile	7.48	41	11168	8.501	ug/l	92
42) 1,2-Dichloroethane	8.40	62	35551	9.968	ug/l	99
43) Isopropyl Acetate	8.42	43	40008	10.367	ug/l	96
44) Trichloroethene	9.09	130	36361	11.918	ug/l	96
45) 1,2-Dichloropropane	9.37	63	31325	10.854	ug/l	97
46) Dibromomethane	9.46	93	15376	11.094	ug/l	98
47) Bromodichloromethane	9.65	83	37513	9.817	ug/l	99
48) Methyl methacrylate	9.43	41	17544	9.665	ug/l	96
49) 1,4-Dioxane	9.47	88	5625	253.353	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	98882	49.840	ug/l	99
52) Toluene	10.38	92	81487	11.579	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	38188	9.883	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	46696	10.467	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	23171	11.011	ug/l	98
56) Ethyl methacrylate	10.65	69	29659	10.534	ug/l	98
57) 1,3-Dichloropropane	10.93	76	39410	10.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	66878	44.898	ug/l	99
59) 2-Hexanone	10.97	43	67971	49.461	ug/l	98
60) Dibromochloromethane	11.13	129	25005	9.949	ug/l	99
61) 1,2-Dibromoethane	11.23	107	21963	11.405	ug/l	99
64) Tetrachloroethene	10.86	164	32700	12.752	ug/l	97
65) Chlorobenzene	11.66	112	85873	11.391	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	28507	10.071	ug/l	99
67) Ethyl Benzene	11.73	91	156458	11.280	ug/l	100
68) m/p-Xylenes	11.84	106	118473	23.179	ug/l	98
69) o-Xylene	12.16	106	55682	11.653	ug/l	96
70) Styrene	12.18	104	93708	11.067	ug/l	99
71) Bromoform	12.35	173	15868	10.729	ug/l #	94
73) Isopropylbenzene	12.46	105	155238	11.056	ug/l	98
74) N-amyl acetate	12.27	43	34016	9.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	27148	11.186	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	21418m	11.775	ug/l	
77) Bromobenzene	12.74	156	36763	11.239	ug/l	99
78) n-propylbenzene	12.80	91	179298	10.863	ug/l	100
79) 2-Chlorotoluene	12.89	91	99958	10.571	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	130851	11.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7959	9.901	ug/l	96
82) 4-Chlorotoluene	12.99	91	106651	10.747	ug/l	99
83) tert-Butylbenzene	13.21	119	114730	10.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	130873	11.142	ug/l	99
85) sec-Butylbenzene	13.38	105	156924	10.843	ug/l	99
86) p-Isopropyltoluene	13.50	119	145560	10.939	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	70517	10.979	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	68872	10.938	ug/l	97
89) n-Butylbenzene	13.82	91	127894	10.246	ug/l	100
90) Hexachloroethane	14.09	117	23855	10.083	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	60476	10.735	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4236	9.704	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013178.D
 Acq On : 20 Sep 2019 13:09
 Operator : SY/VA
 Sample : VSTDICC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
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 9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	40521	10.066	ug/l	98
94) Hexachlorobutadiene	15.24	225	29370	10.358	ug/l	97
95) Naphthalene	15.36	128	63940	9.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	34535	9.737	ug/l	98

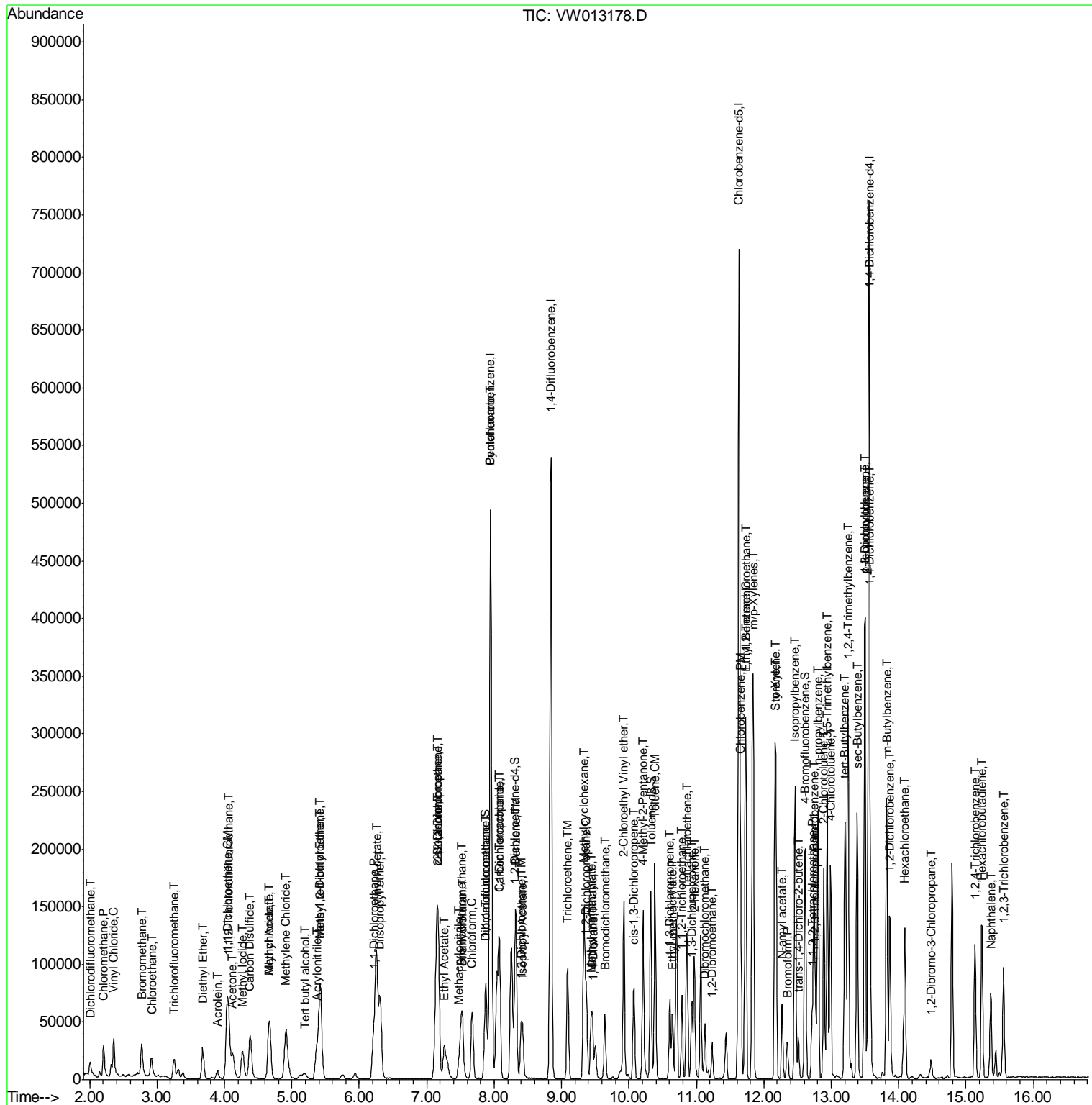
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013178.D
 Acq On : 20 Sep 2019 13:09
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

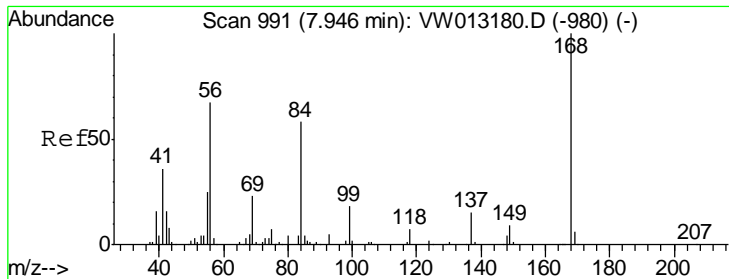
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC010

Manual Integrations
 APPROVED
 MMDadoda
 9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration



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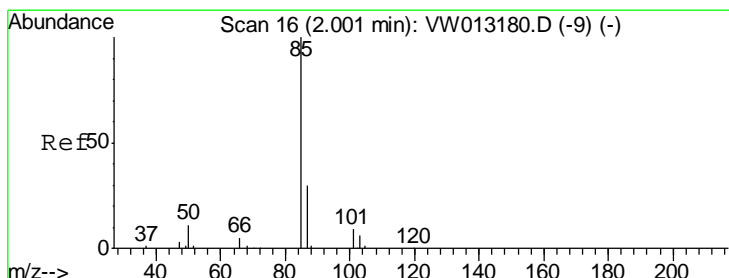
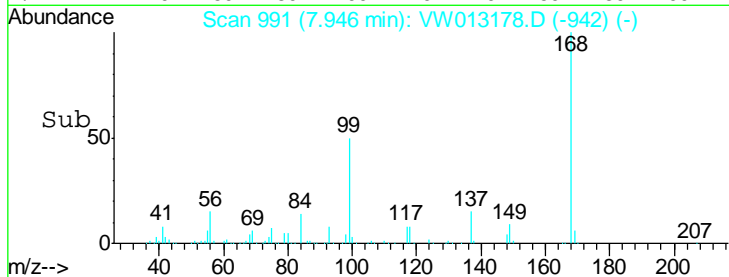
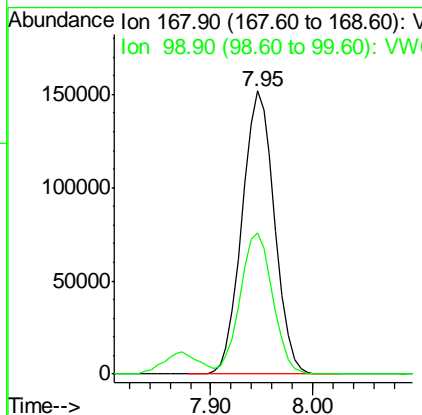
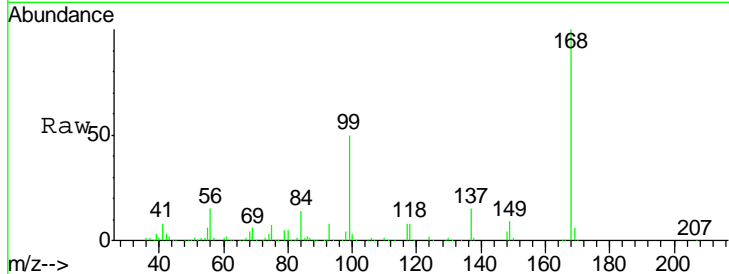
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.9	40.2	60.4

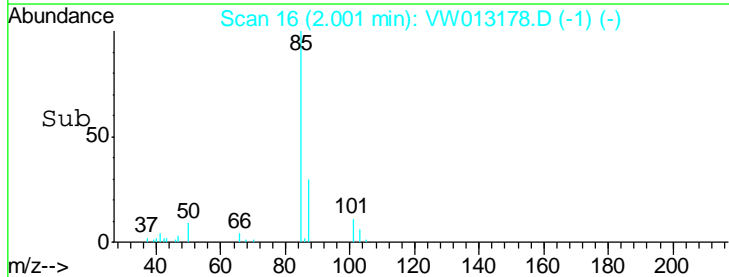
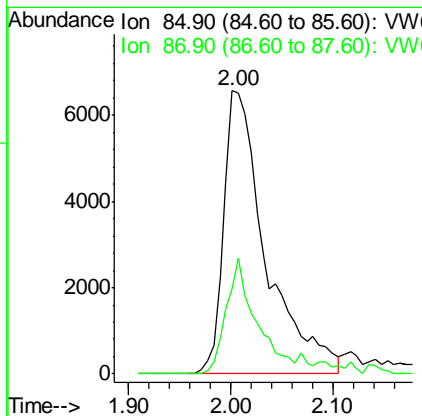
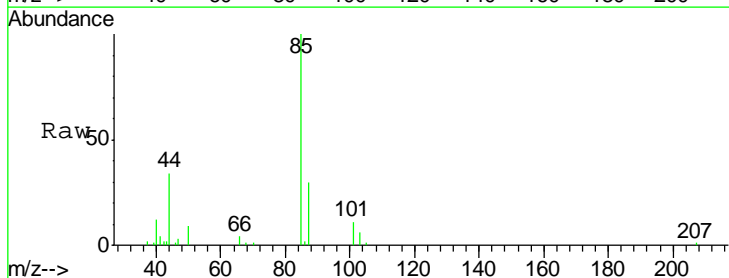
Manual Integrations
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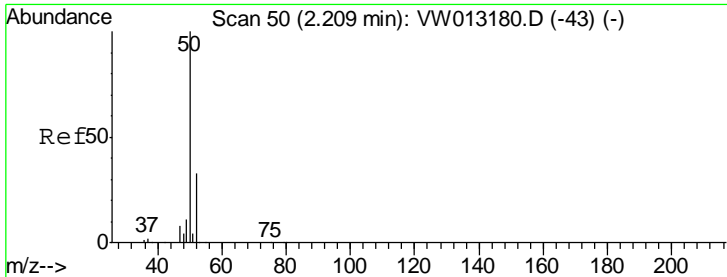
MMDadoda
 9/24/2019 5:28:42 AM



#2
 Dichlorodifluoromethane
 Concen: 12.391 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.2	15.1	45.3





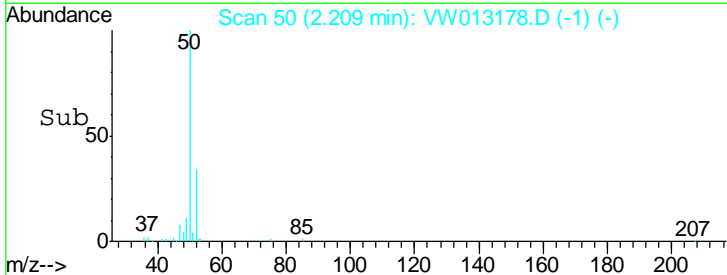
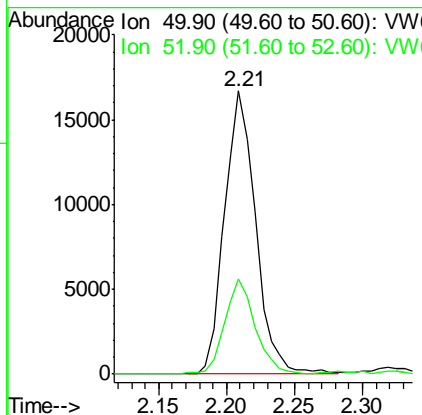
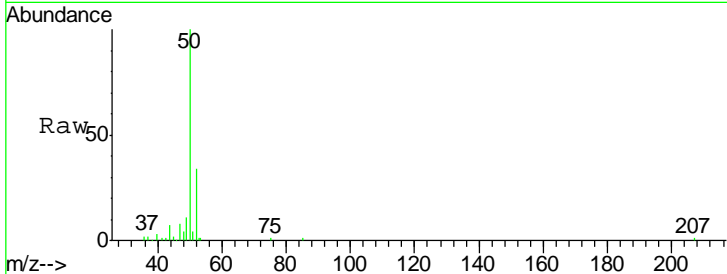
#3
 Chloromethane
 Concen: 13.733 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
50	26658		
50	100		
52	33.2	26.1	39.1

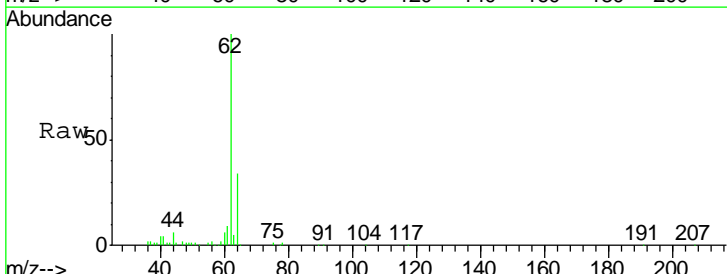
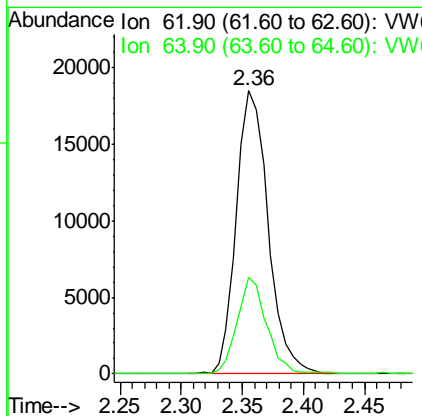
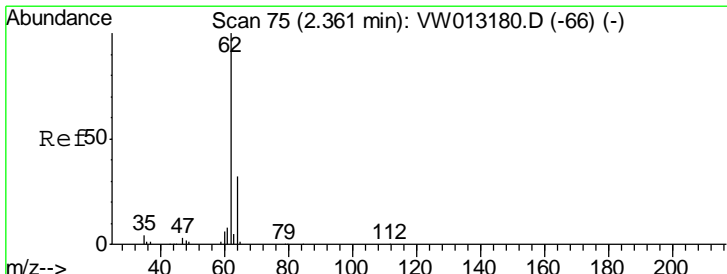
Manual Integrations
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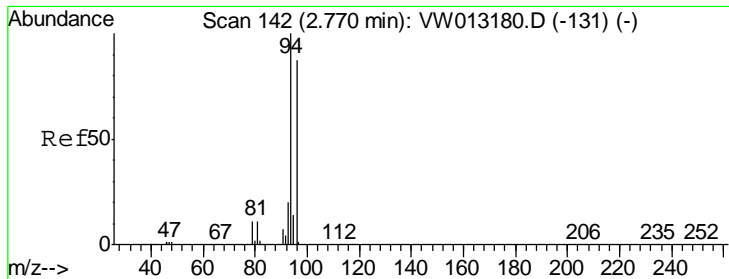
MMDadoda
 9/24/2019 5:28:42 AM



#4
 Vinyl Chloride
 Concen: 13.184 ug/l
 RT: 2.36 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
62	33450		
62	100		
64	34.0	25.3	37.9



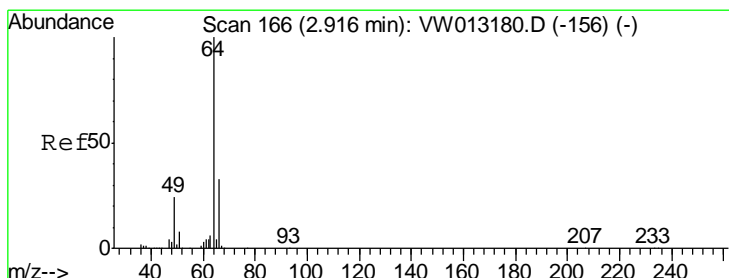
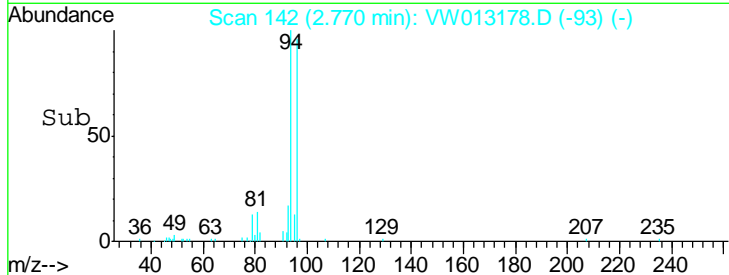
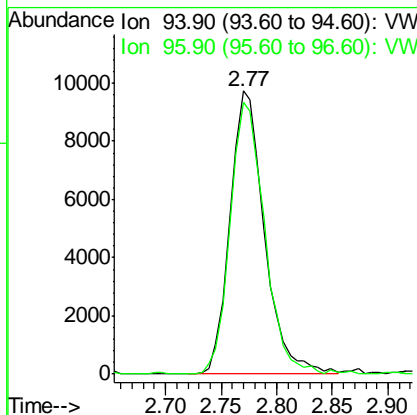
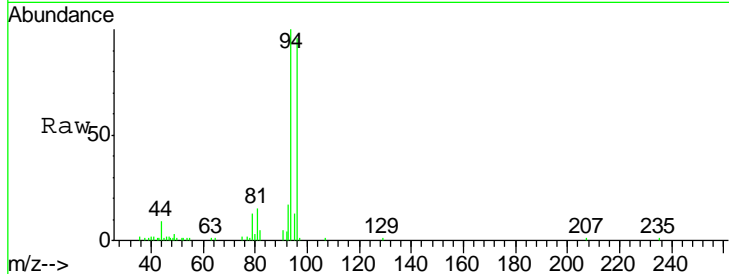


#5
 Bromomethane
 Concen: 13.272 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
94	100		
96	96.1	69.7	104.5

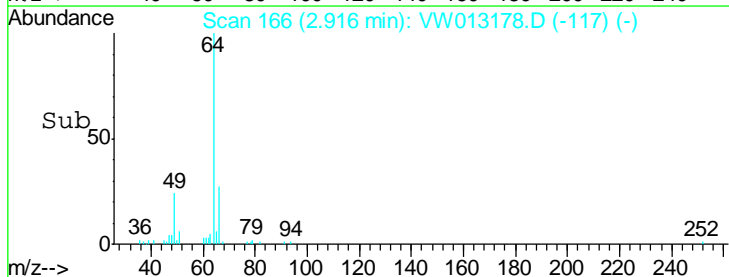
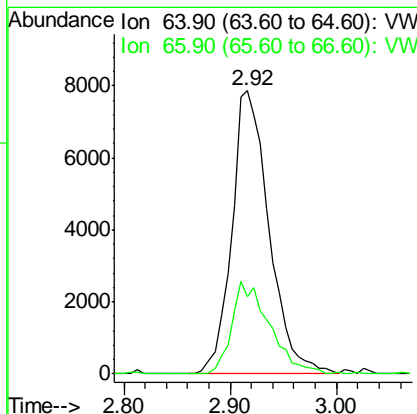
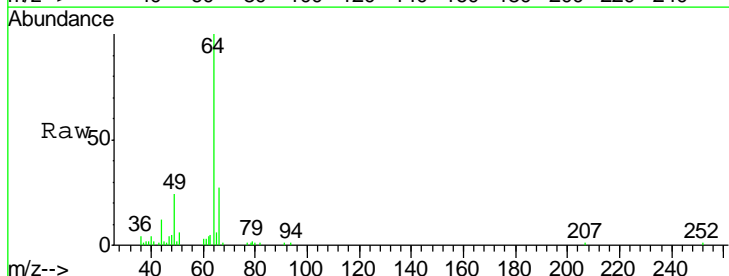
Instrument : MSVOA_W
 Client Sampled : VSTDIC010

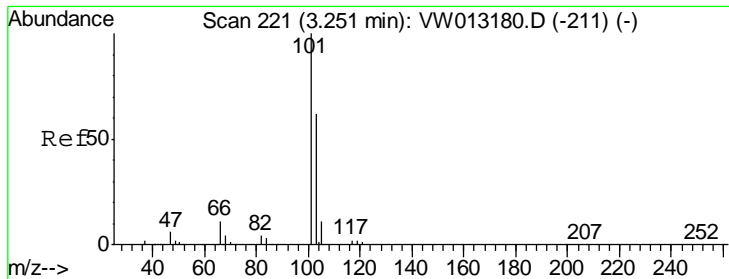
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 9/24/2019 5:28:42 AM



#6
 Chloroethane
 Concen: 12.465 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
64	100		
66	27.2	26.6	39.8





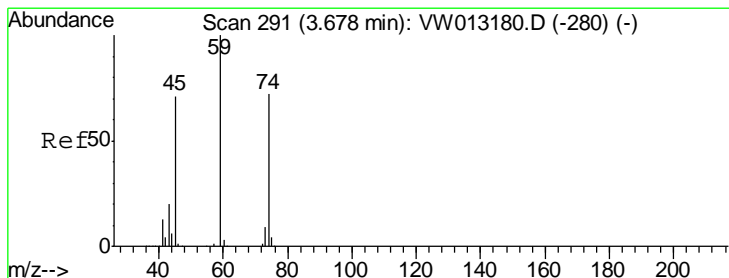
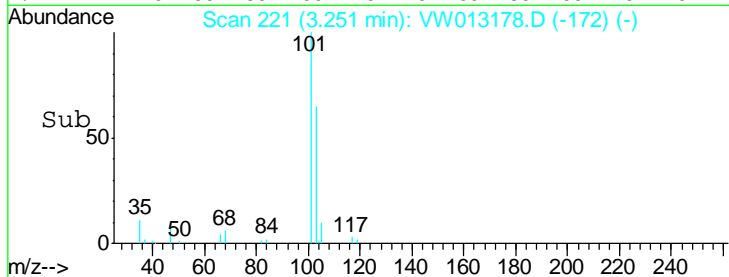
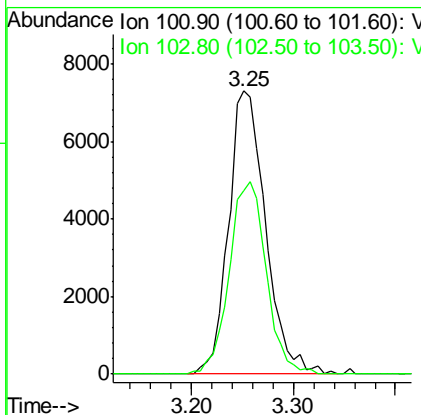
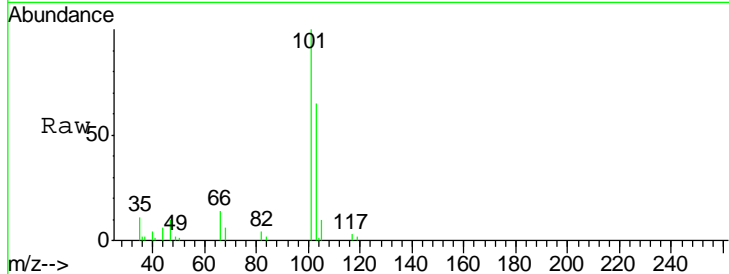
#7
 Trichlorofluoromethane
 Concen: 10.774 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
101	18340		
103	64.8	49.7	74.5

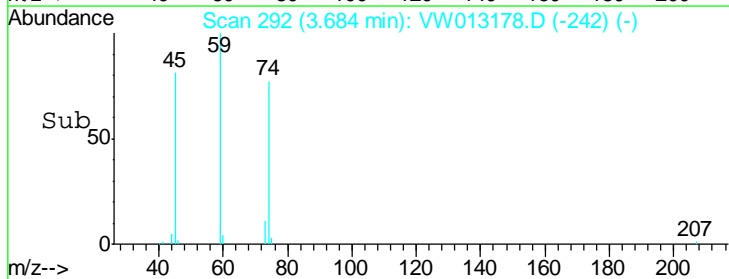
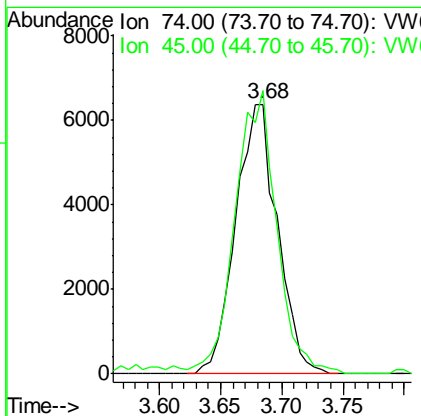
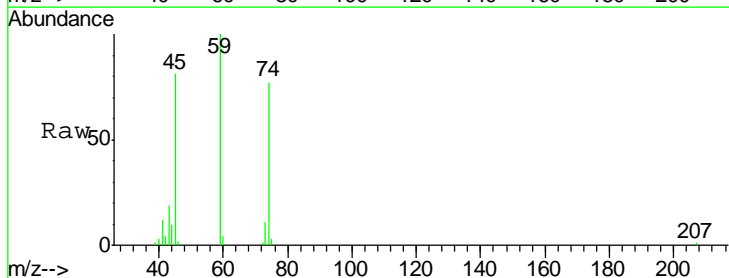
Manual Integrations
 APPROVED

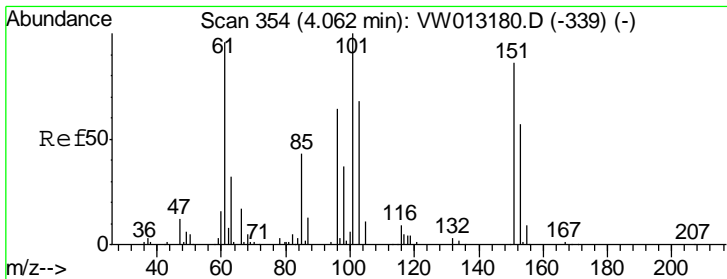
MMDadoda
 9/24/2019 5:28:42 AM



#8
 Diethyl Ether
 Concen: 11.125 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
74	15134		
45	104.4	49.5	148.7





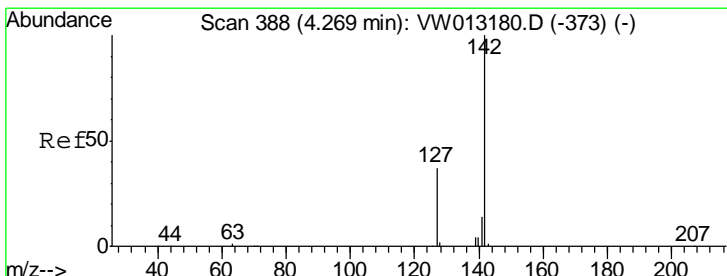
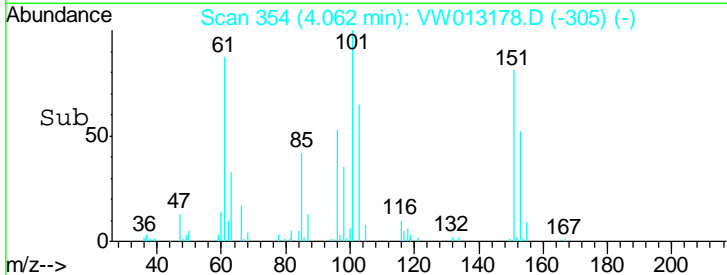
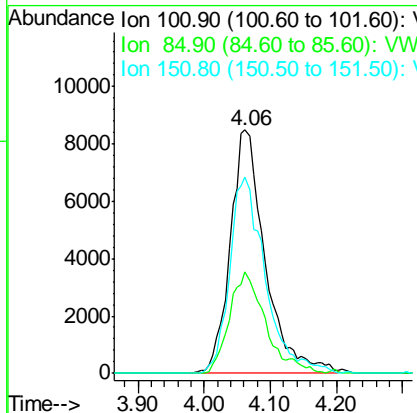
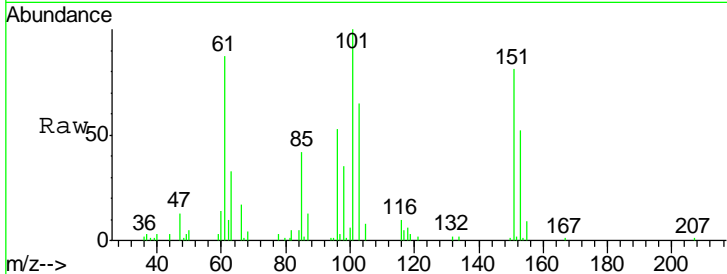
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.820 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
101	31094		
101	100		
85	40.4	33.4	50.0
151	82.3	66.9	100.3

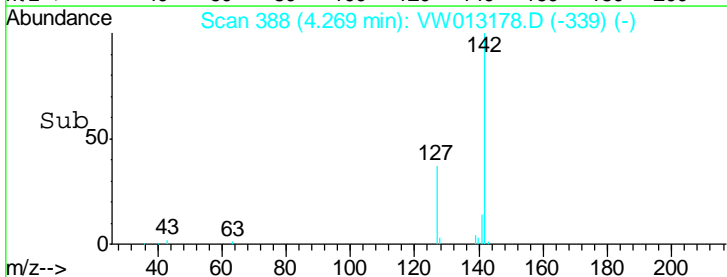
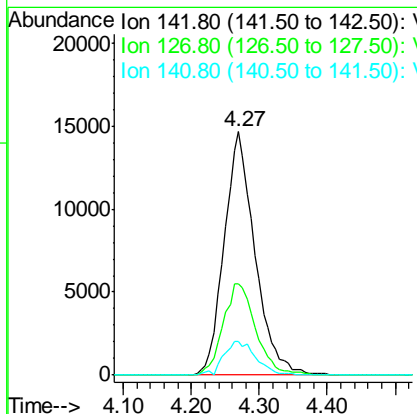
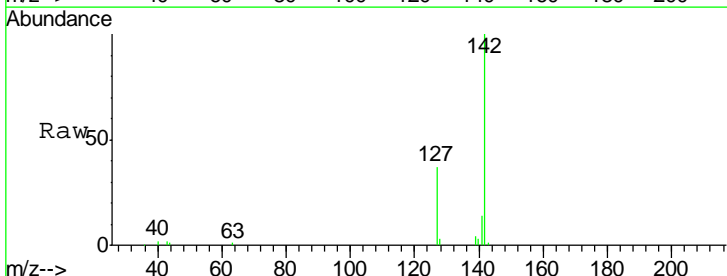
Manual Integrations
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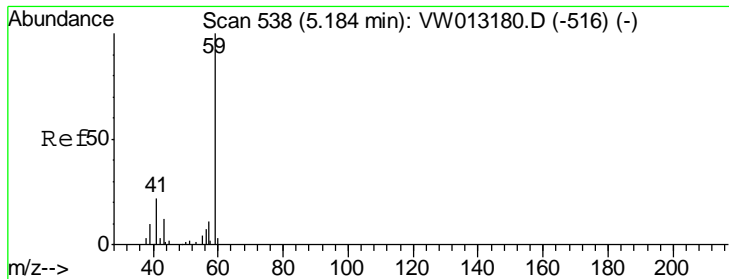
MMDadoda
 9/24/2019 5:28:42 AM



#10
 Methyl Iodide
 Concen: 13.376 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
142	46009		
142	100		
127	39.8	30.9	46.3
141	14.6	11.7	17.5





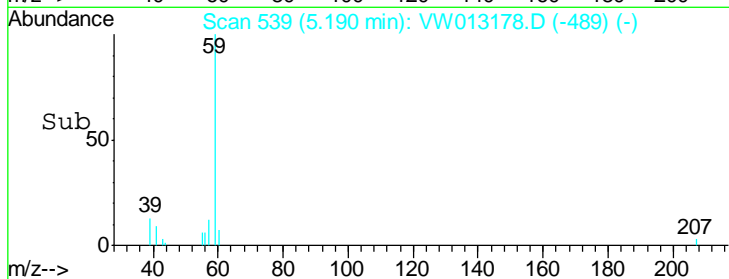
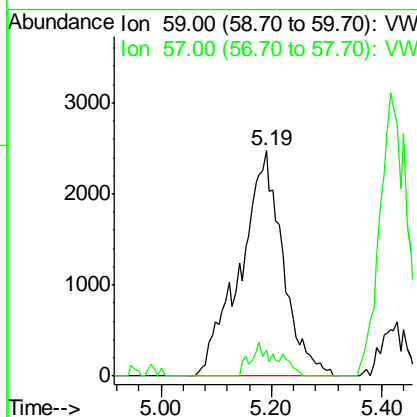
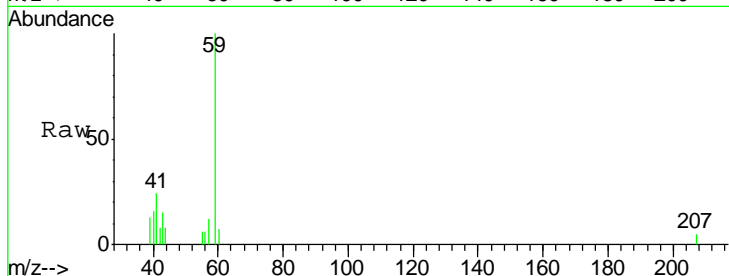
#11
 Tert butyl alcohol
 Concen: 56.268 ug/l m
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
59	13261		
57	3.4	8.2	12.2#

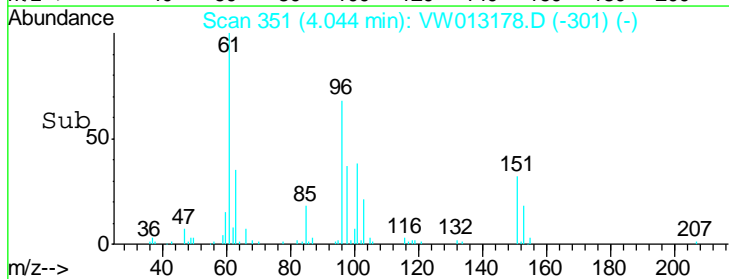
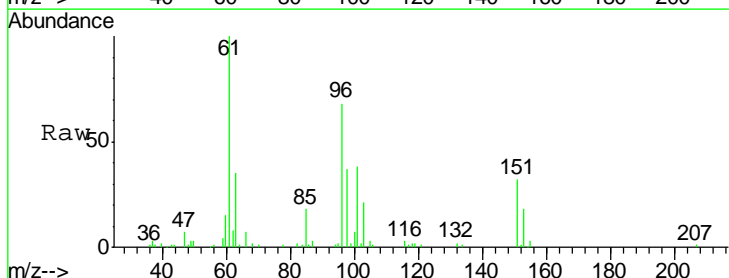
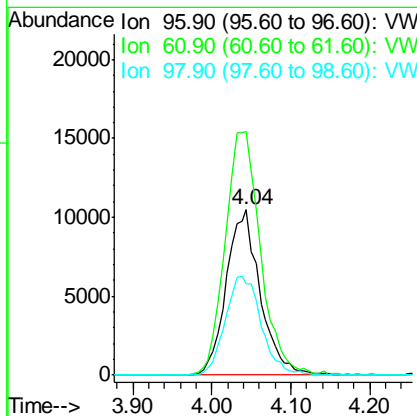
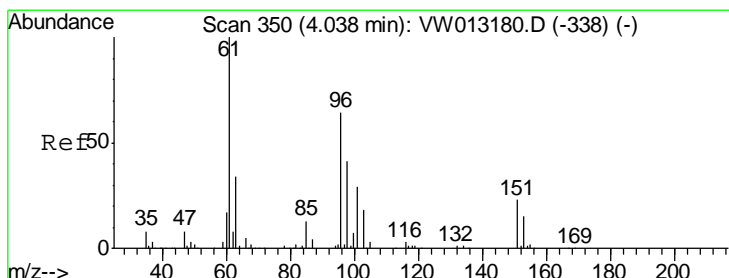
Manual Integrations
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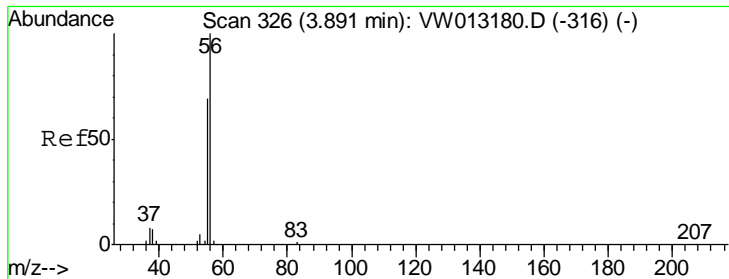
MMDadoda
 9/24/2019 5:28:42 AM



#12
 1,1-Dichloroethene
 Concen: 12.747 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

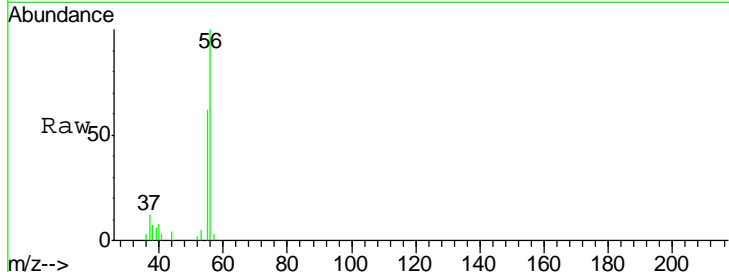
Tgt Ion	Resp	Lower	Upper
96	31256		
61	147.3	125.1	187.7
98	55.2	50.8	76.2





#13
 Acrolein
 Concen: 41.800 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

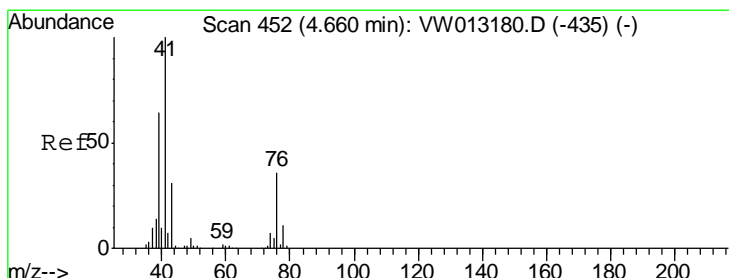
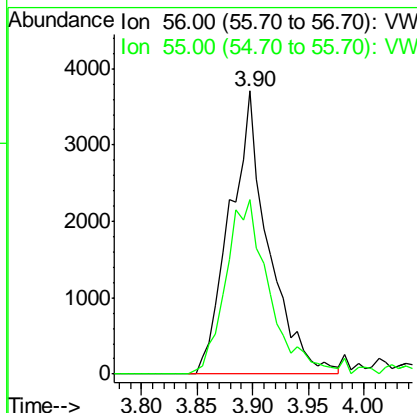
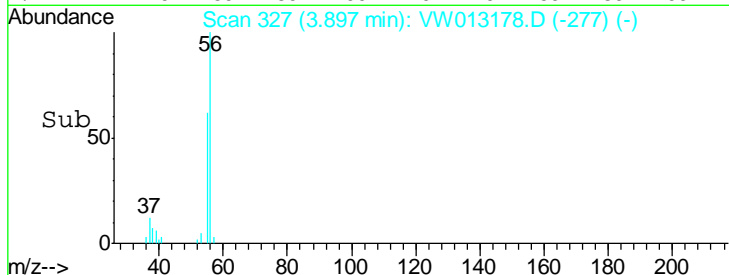
Instrument : MSVOA_W
 ClientSampled : VSTDIC010



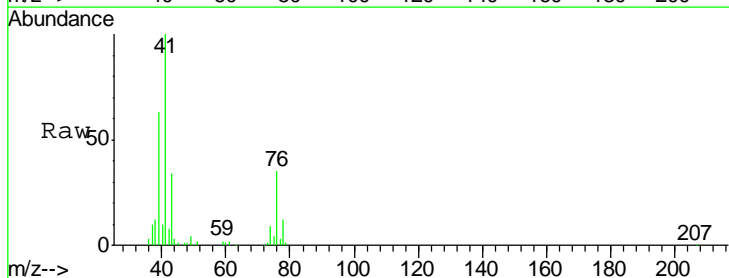
Tgt Ion: 56 Resp: 8923
 Ion Ratio Lower Upper
 56 100
 55 69.2 55.4 83.0

Manual Integrations
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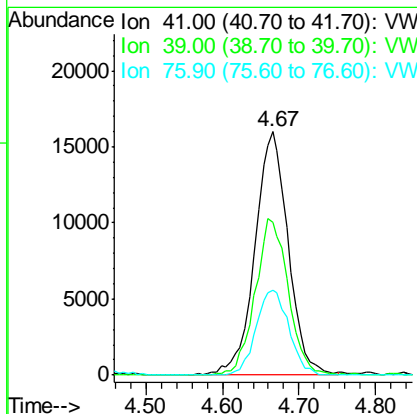
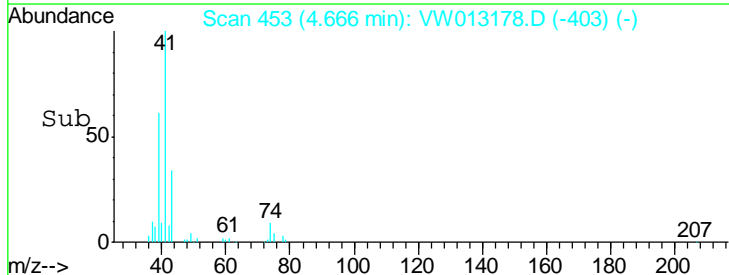
MMDadoda
 9/24/2019 5:28:42 AM

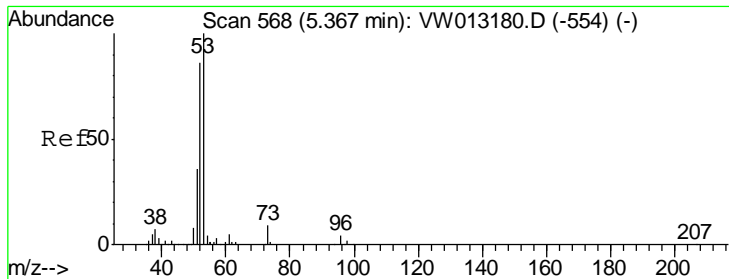


#14
 Allyl chloride
 Concen: 10.776 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09



Tgt Ion: 41 Resp: 48454
 Ion Ratio Lower Upper
 41 100
 39 64.0 51.0 76.4
 76 34.6 28.4 42.6





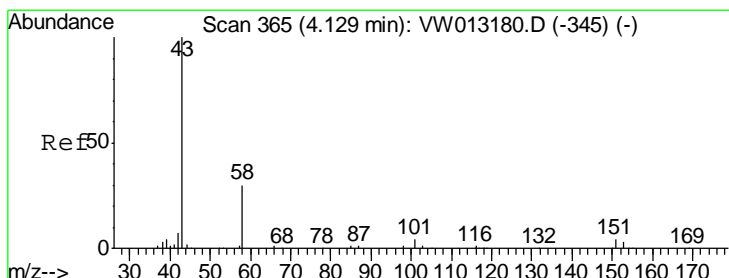
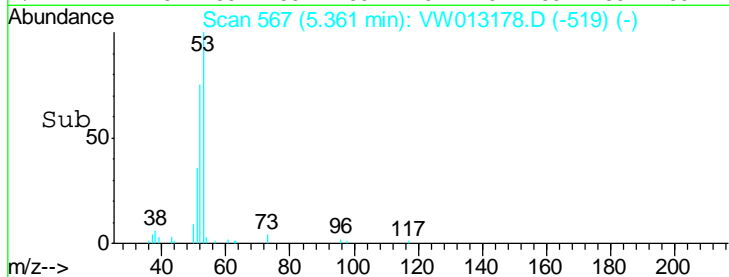
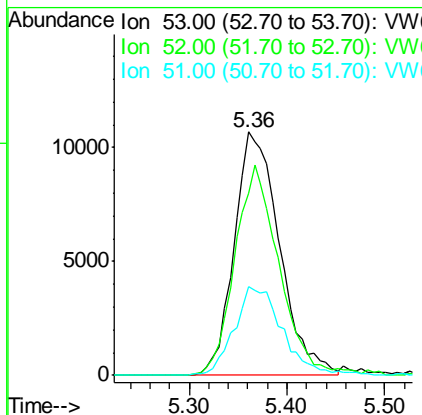
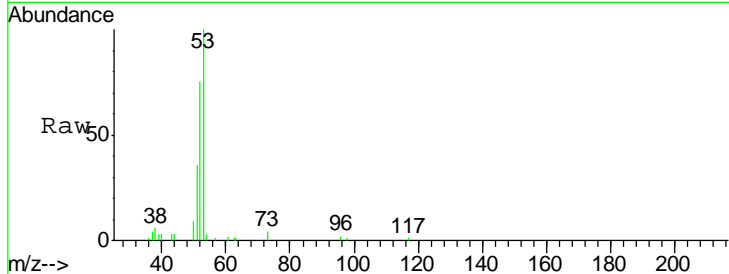
#15
 Acrylonitrile
 Concen: 51.228 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
53	34311		
52	84.9	65.3	97.9
51	38.6	29.0	43.4

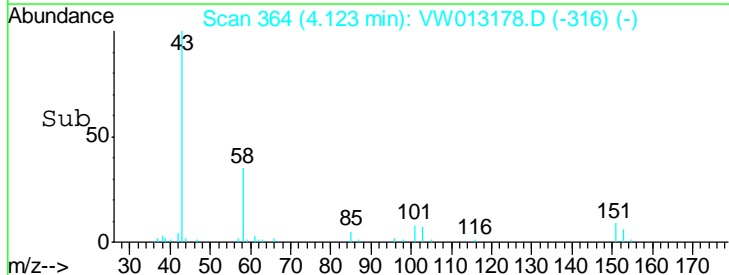
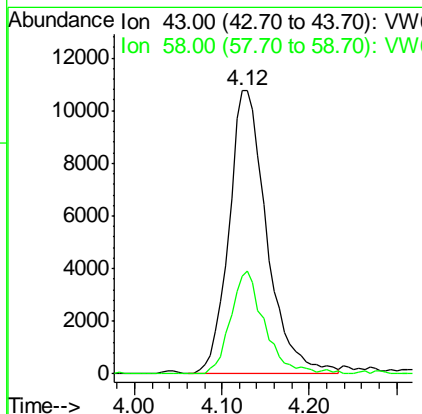
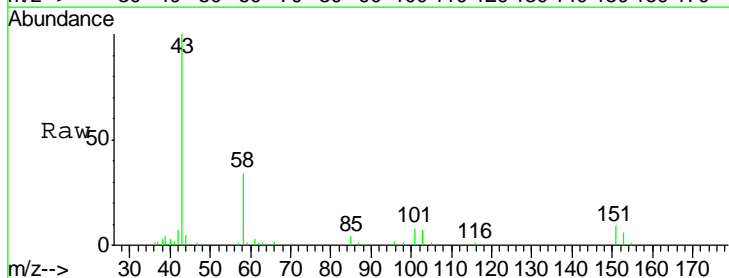
Manual Integrations
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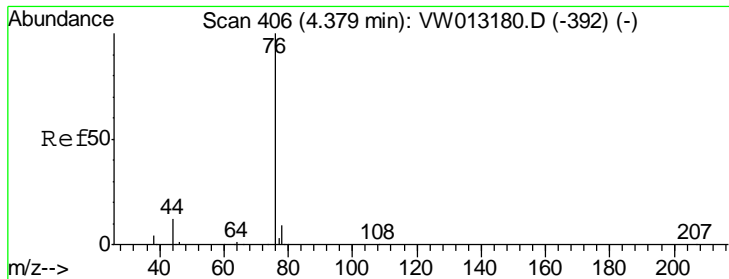
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 9/24/2019 5:28:42 AM



#16
 Acetone
 Concen: 45.466 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	32421		
58	34.5	24.1	36.1





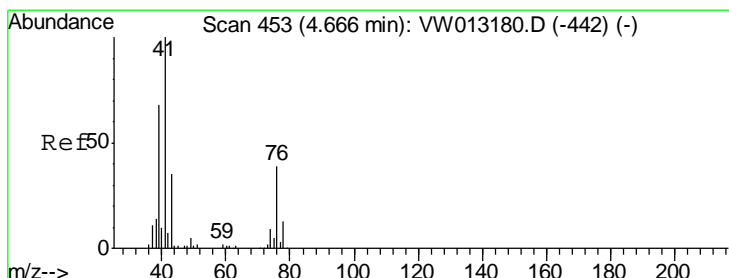
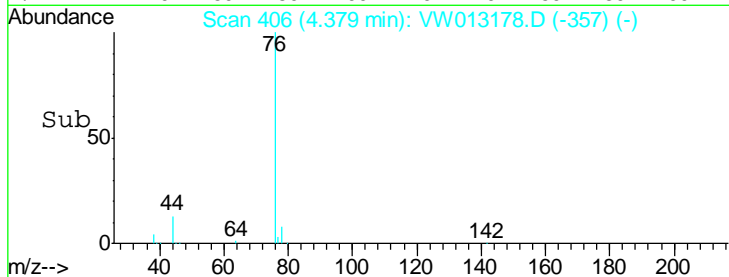
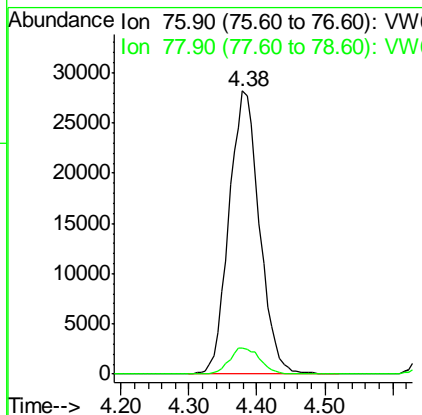
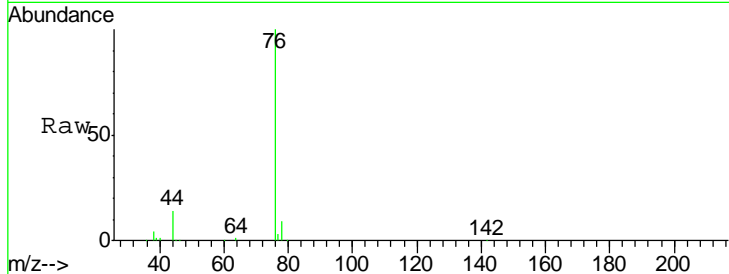
#17
 Carbon Disulfide
 Concen: 16.163 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
76	87261		
76	100		
78	9.4	7.0	10.4

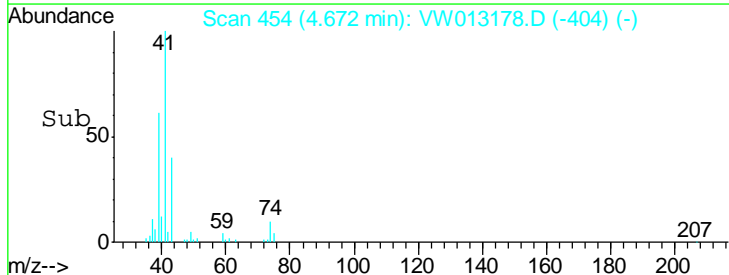
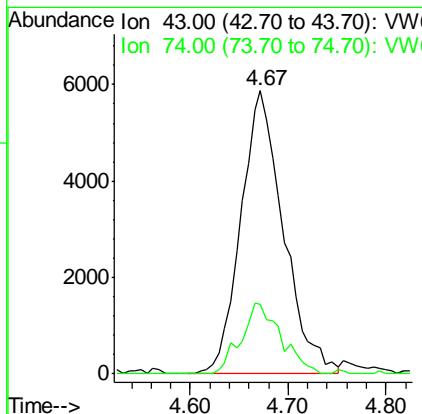
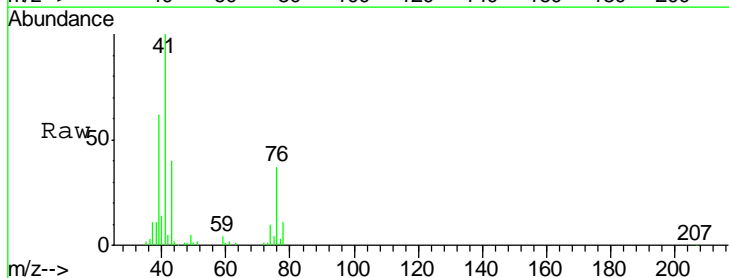
Manual Integrations
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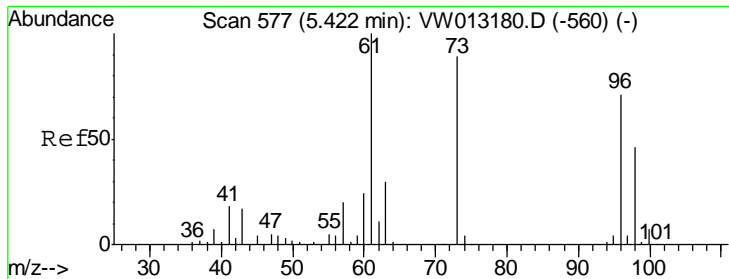
MMDadoda
 9/24/2019 5:28:42 AM



#18
 Methyl Acetate
 Concen: 10.091 ug/l
 RT: 4.67 min Scan# 454
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	17771		
43	100		
74	23.5	19.3	28.9



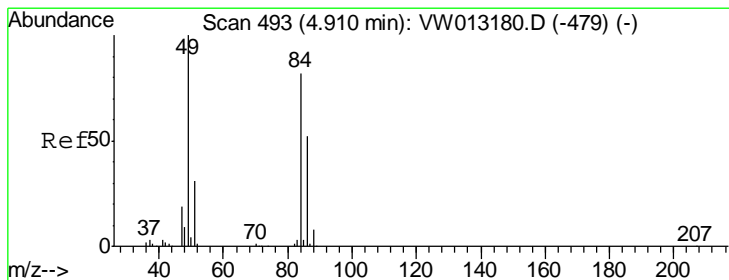
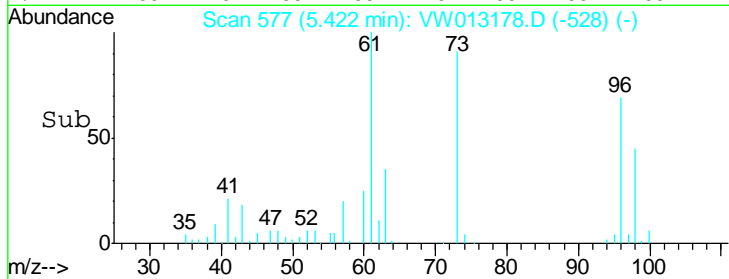
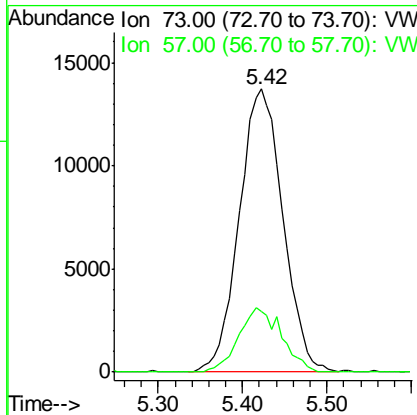
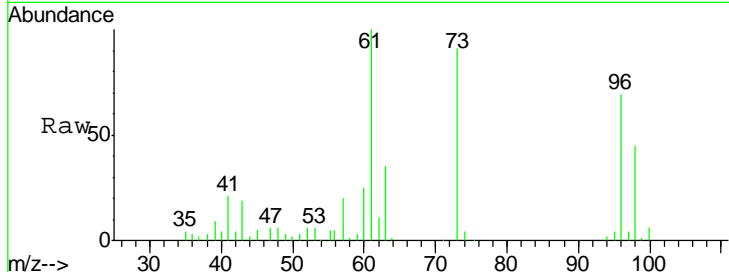


#19
 Methyl tert-butyl Ether
 Concen: 10.510 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
73	48334		
73	100		
57	21.6	17.6	26.4

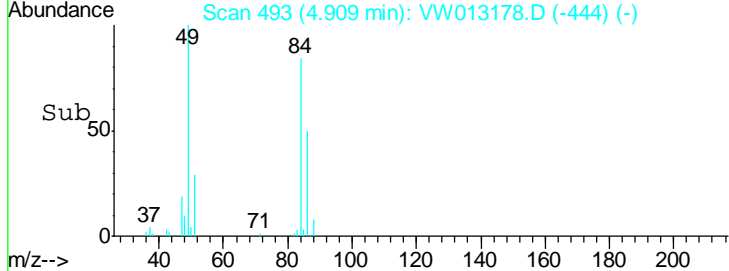
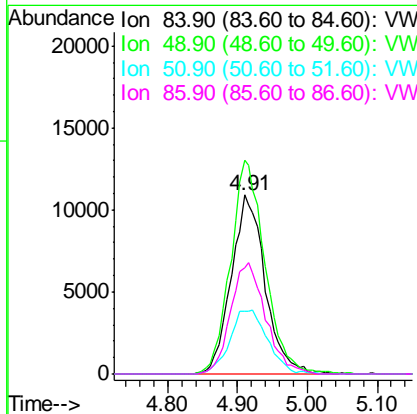
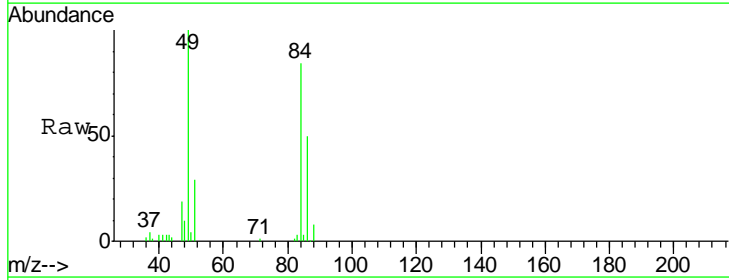
Instrument : MSVOA_W
 ClientSampled : VSTDIC010

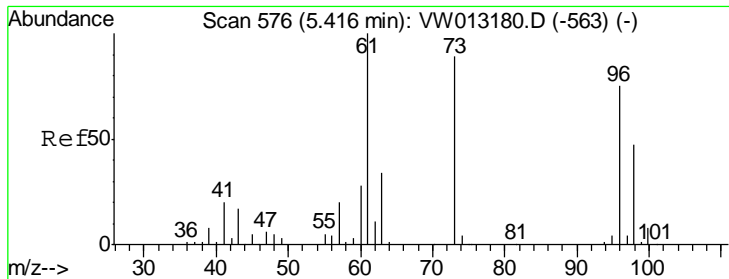
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:28:42 AM



#20
 Methylene Chloride
 Concen: 12.139 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
84	36673		
84	100		
49	119.6	97.6	146.4
51	34.8	30.2	45.2
86	59.8	50.6	76.0



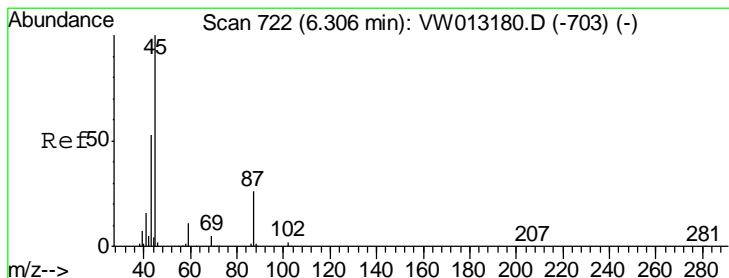
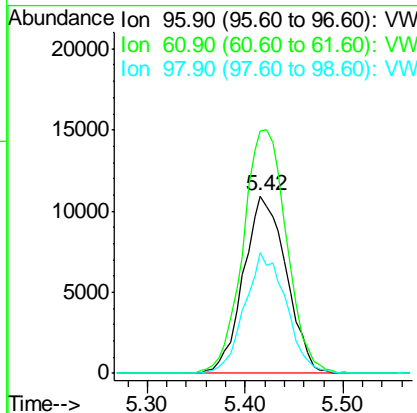
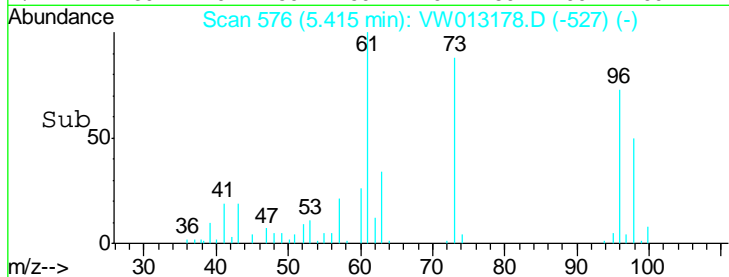
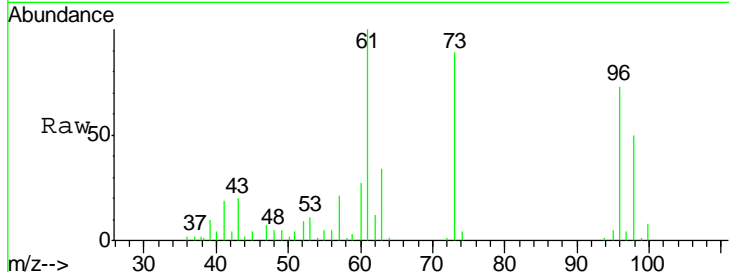


#21
 trans-1,2-Dichloroethene
 Concen: 12.607 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
96	33211		
96	100		
61	136.3	106.6	159.8
98	67.8	49.8	74.8

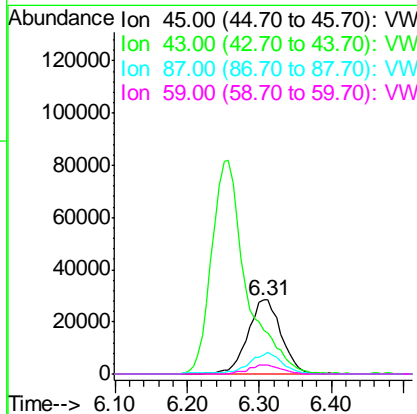
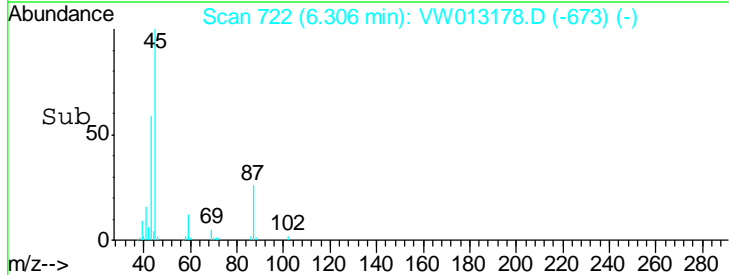
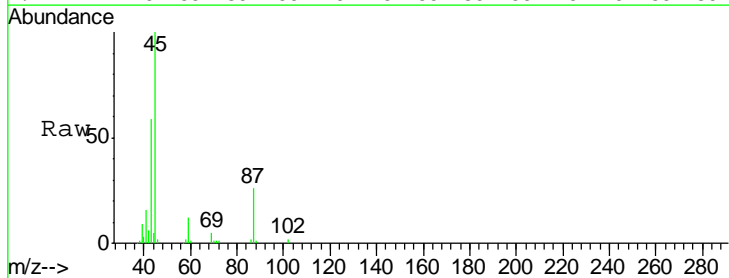
Instrument : MSVOA_W
 ClientSampled : VSTDIC010

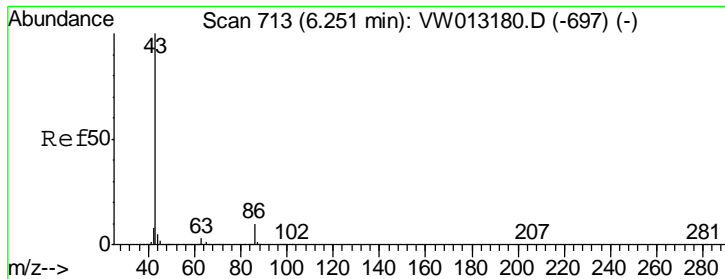
Manual Integrations APPROVED
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#22
 Diisopropyl ether
 Concen: 10.002 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
45	91989		
45	100		
43	57.8	42.4	63.6
87	26.3	20.4	30.6
59	11.7	8.8	13.2





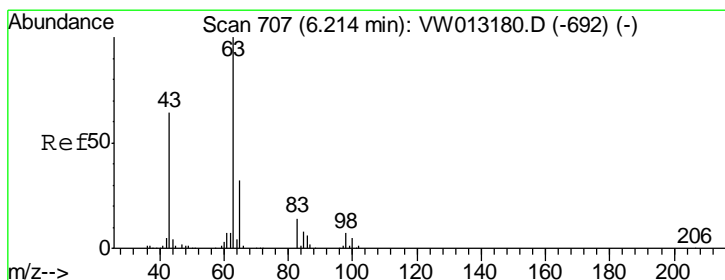
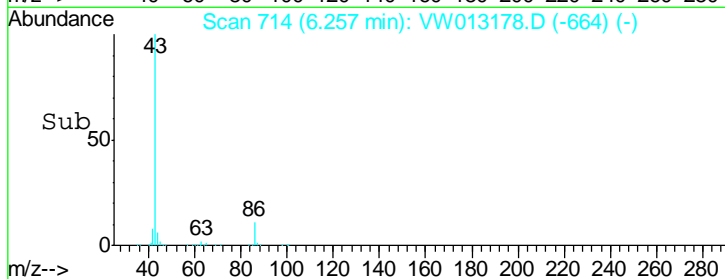
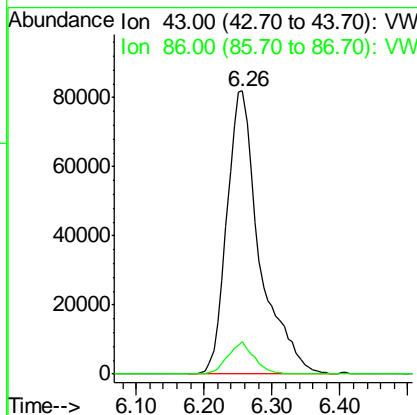
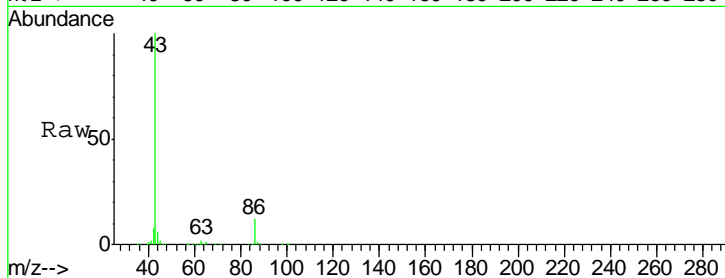
#23
 Vinyl Acetate
 Concen: 50.135 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.3	12.5

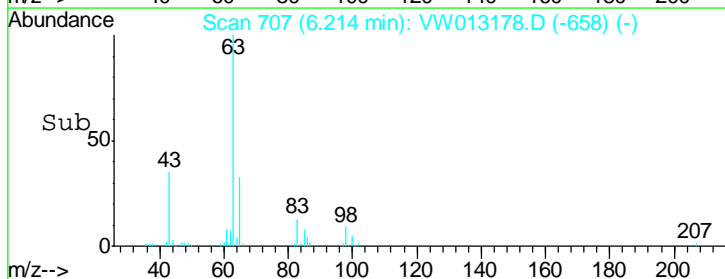
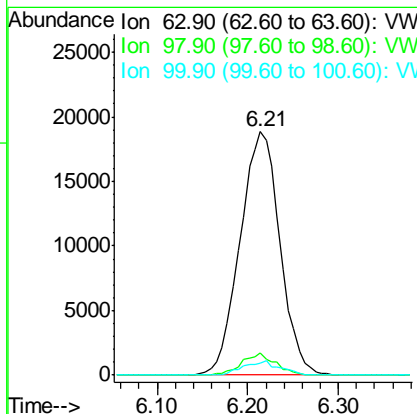
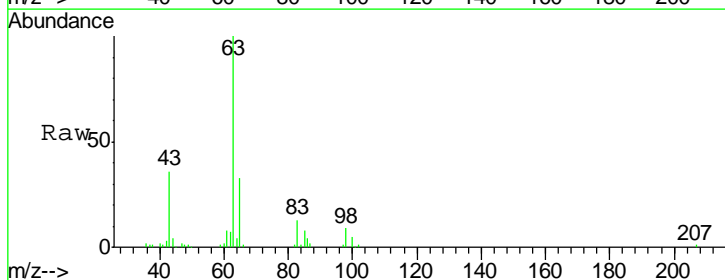
Manual Integrations
APPROVED

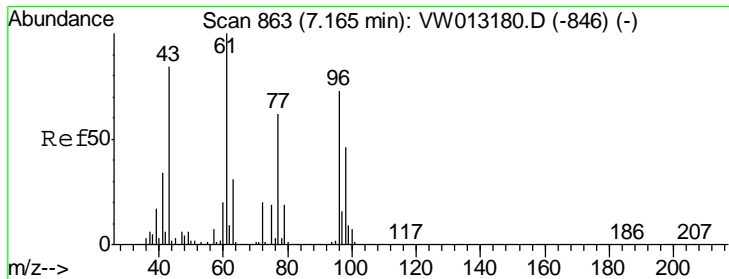
MMDadoda
 9/24/2019 5:28:42 AM



#24
 1,1-Dichloroethane
 Concen: 10.695 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
63	100		
98	9.1	3.5	10.5
100	4.7	2.4	7.1





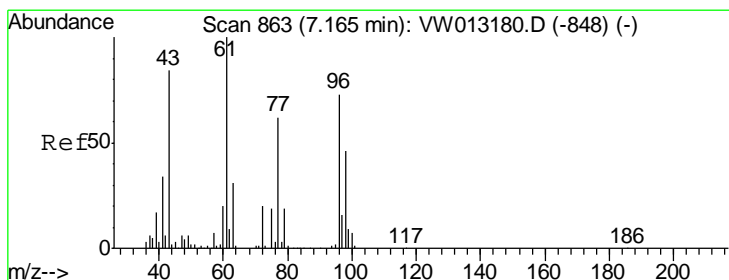
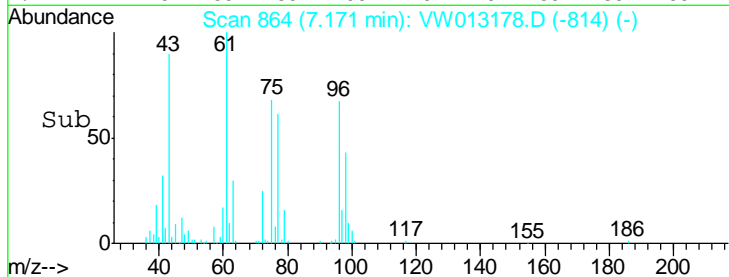
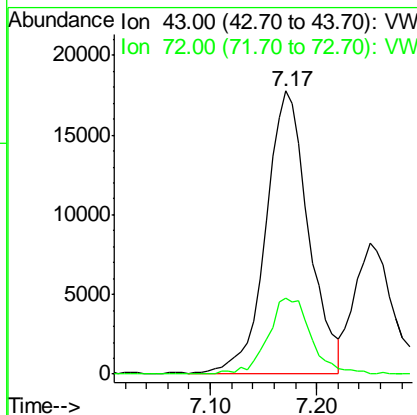
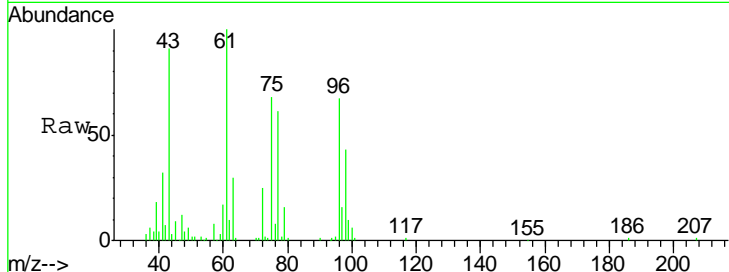
#25
 2-Butanone
 Concen: 50.788 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.1	19.4	29.0

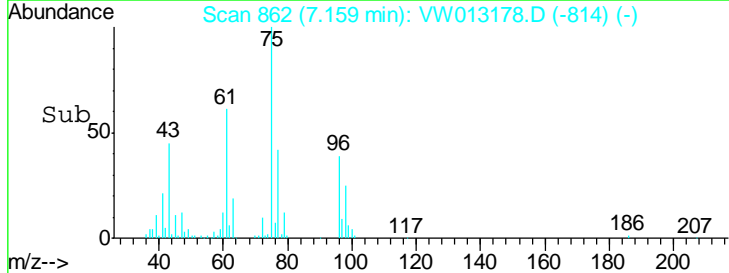
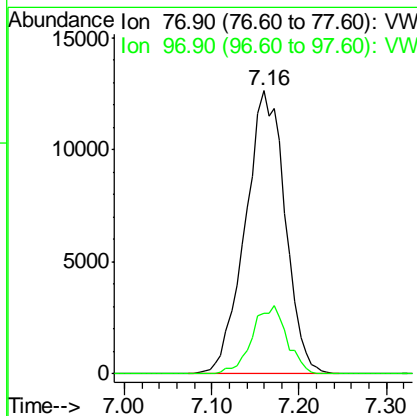
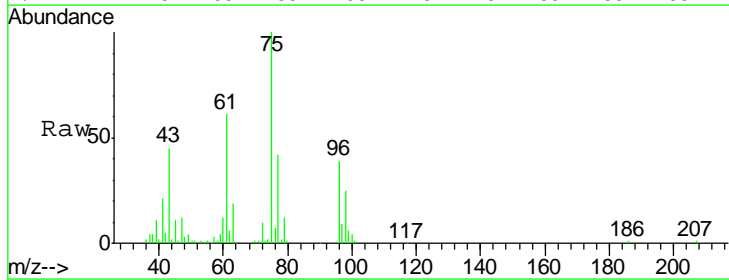
Manual Integrations
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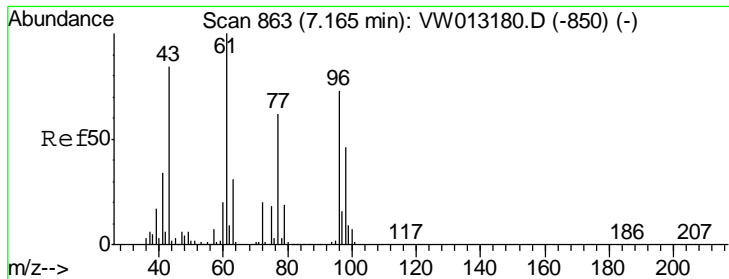
MMDadoda
 9/24/2019 5:28:42 AM



#26
 2,2-Dichloropropane
 Concen: 10.728 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
77	100		
97	20.9	11.8	35.4





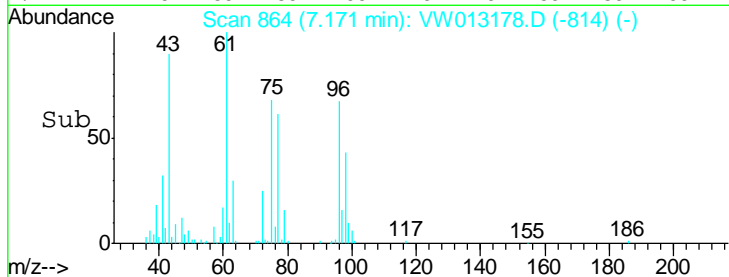
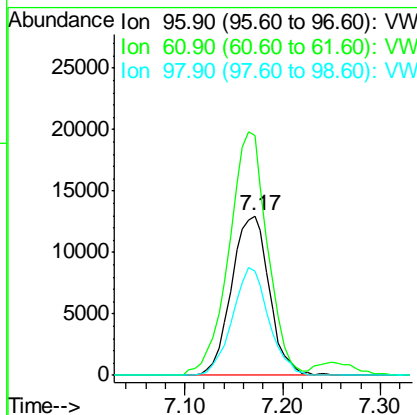
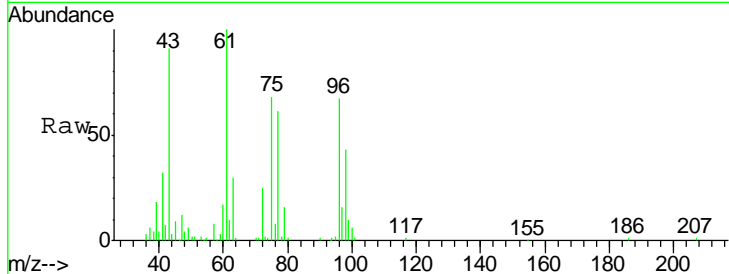
#27
 cis-1,2-Dichloroethene
 Concen: 11.234 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
96	34638		
96	100		
61	155.5	0.0	282.4
98	64.9	0.0	128.2

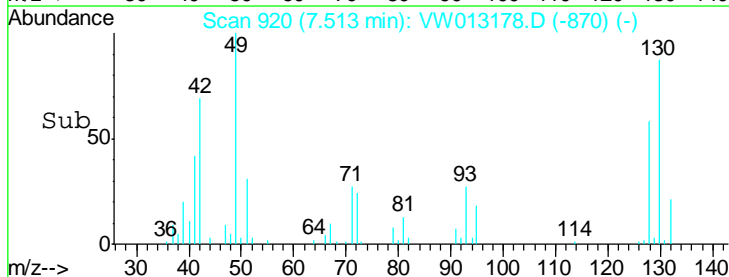
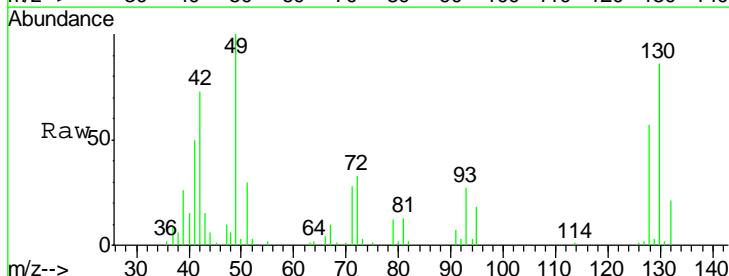
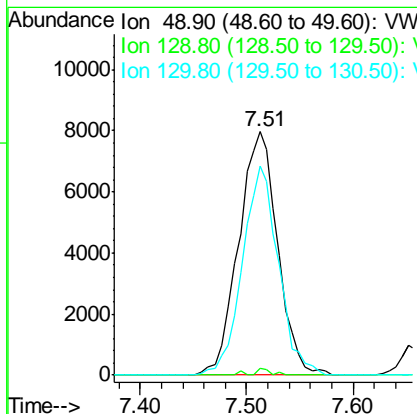
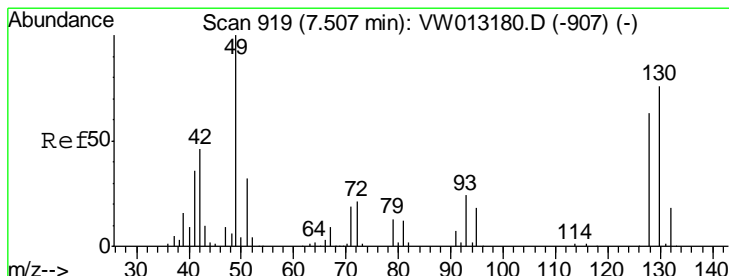
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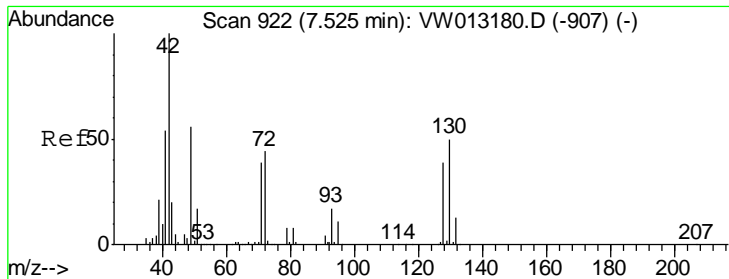
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#28
 Bromochloromethane
 Concen: 9.104 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
49	20432		
49	100		
129	0.8	0.0	1.0
130	79.4	63.4	95.2





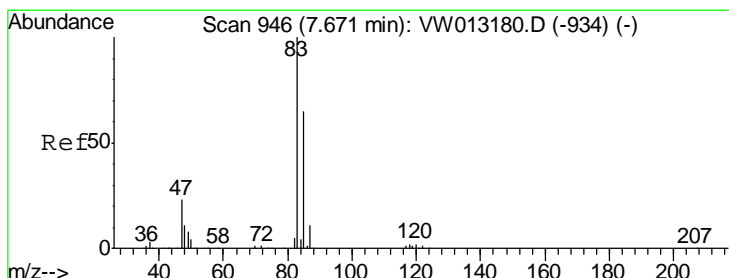
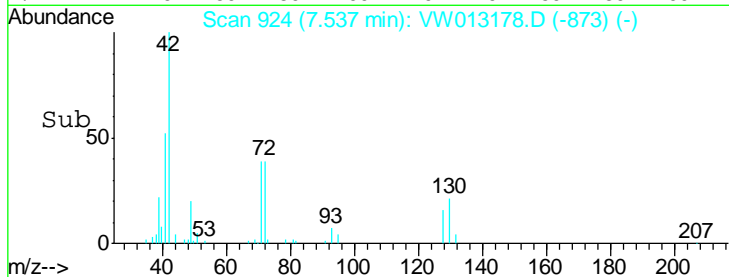
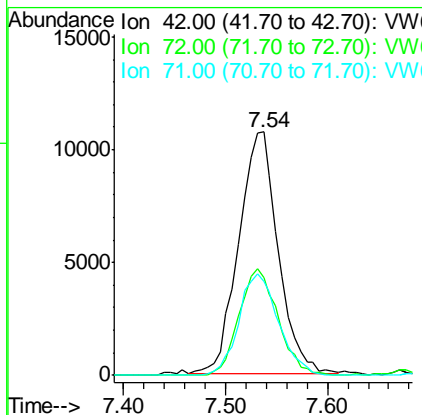
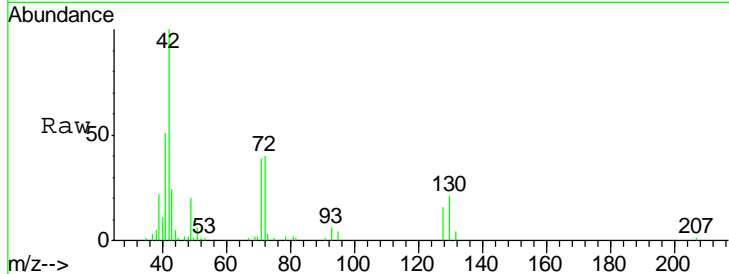
#29
 Tetrahydrofuran
 Concen: 51.458 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
42	100		
72	43.5	33.9	50.9
71	42.2	31.9	47.9

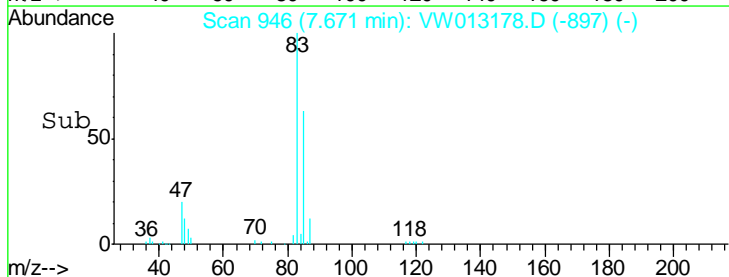
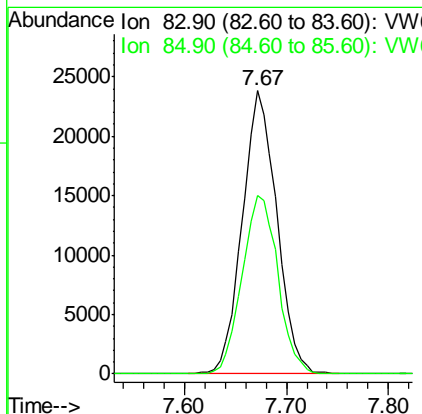
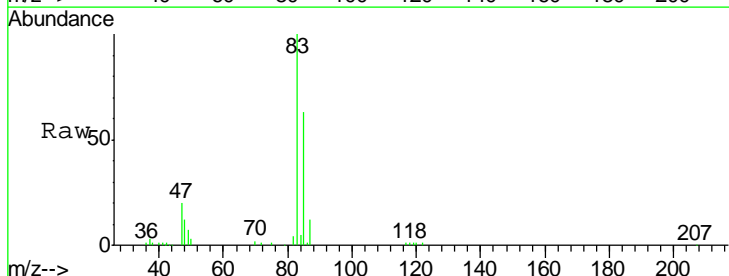
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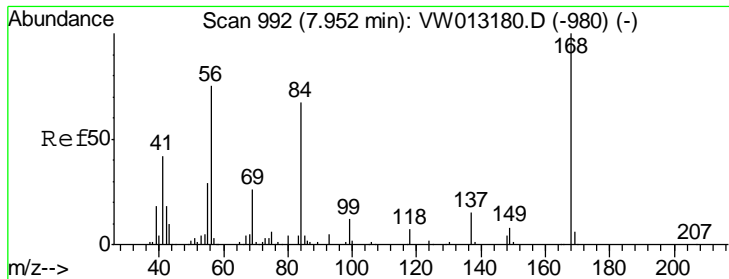
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 9/24/2019 5:28:42 AM



#30
 Chloroform
 Concen: 10.409 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.0	52.3	78.5





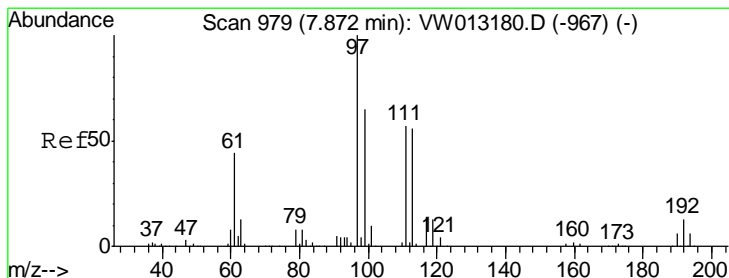
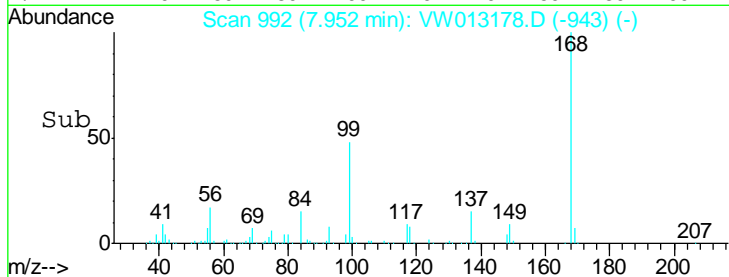
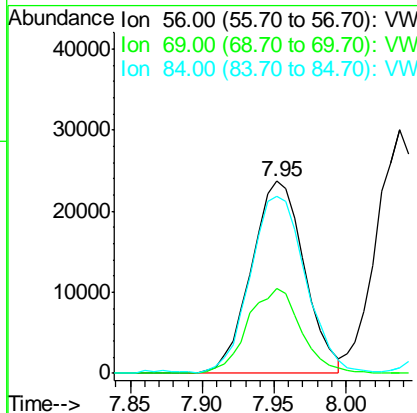
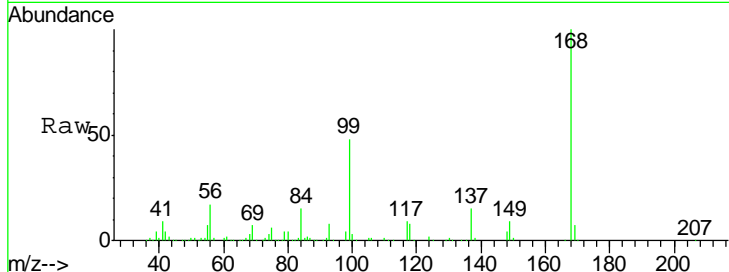
#31
 Cyclohexane
 Concen: 12.770 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
56	60752		
56	100		
69	44.5	27.2	40.8#
84	91.2	70.8	106.2

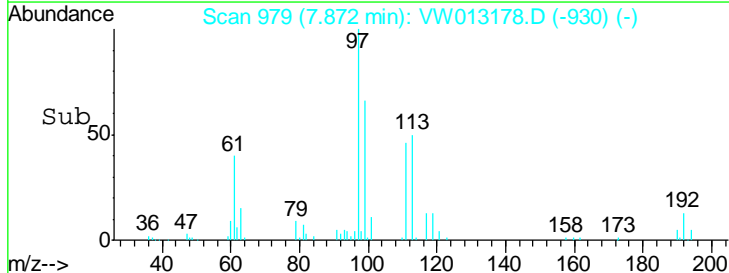
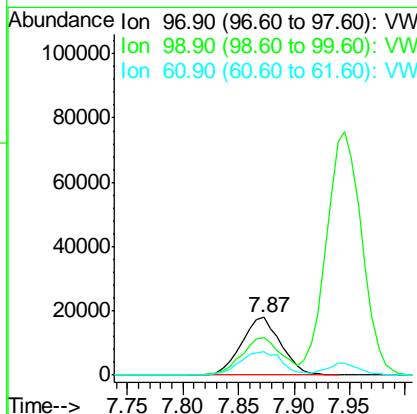
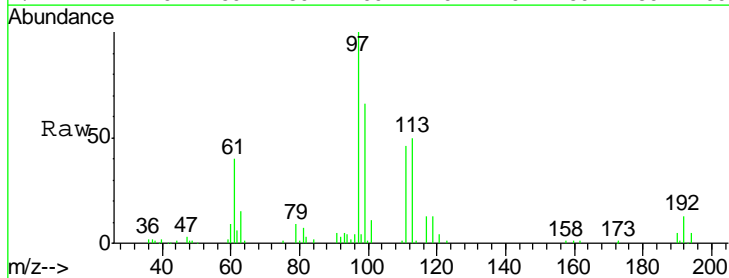
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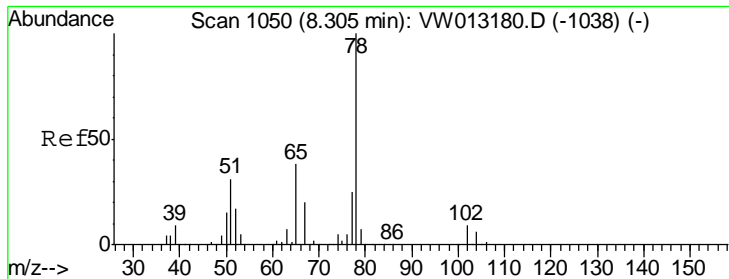
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#32
 1,1,1-Trichloroethane
 Concen: 9.931 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
97	44070		
97	100		
99	66.7	51.7	77.5
61	43.8	34.6	51.8





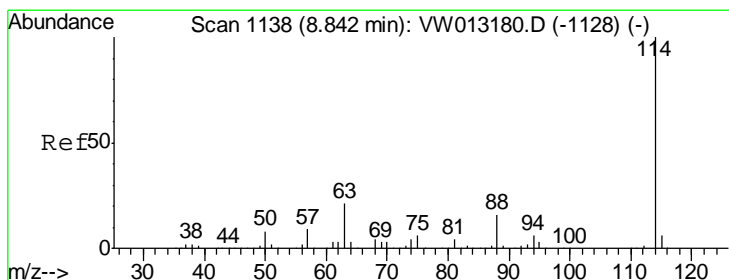
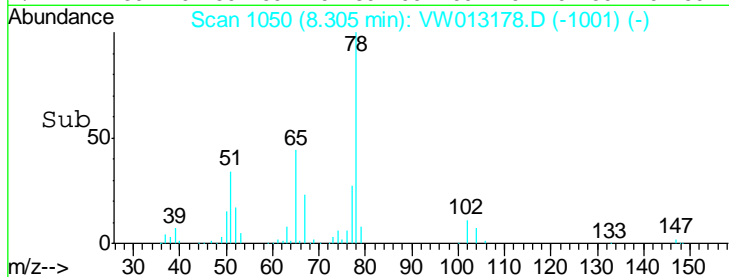
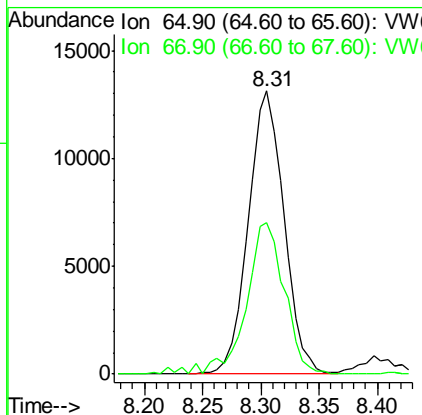
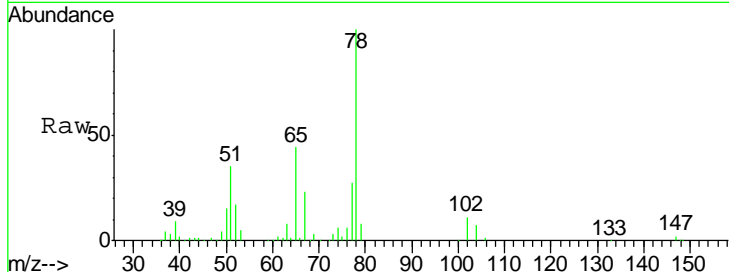
#33
 1,2-Dichloroethane-d4
 Concen: 9.248 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
65	100		
67	56.7	0.0	106.2

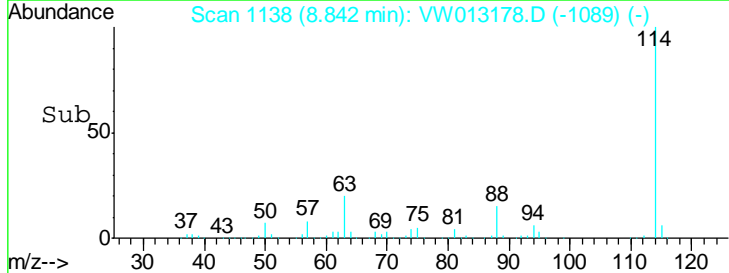
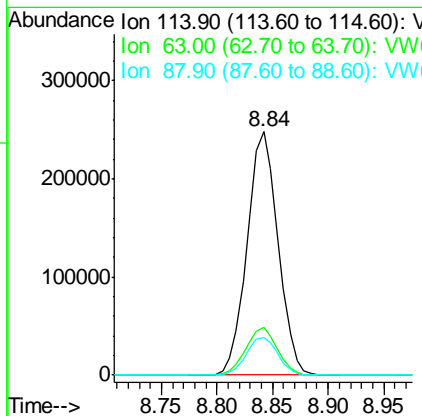
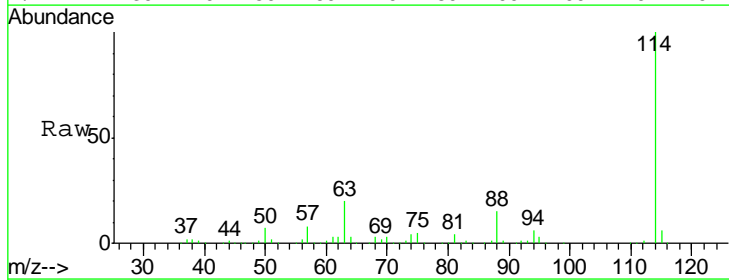
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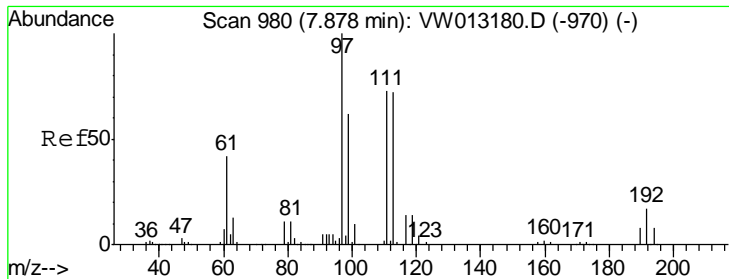
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

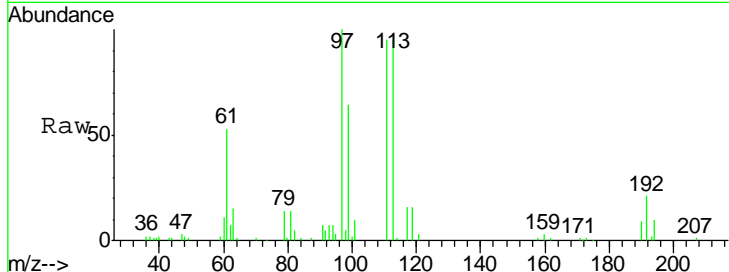
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.5	0.0	41.4
88	15.3	0.0	32.0





#35
 Dibromofluoromethane
 Concen: 9.870 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

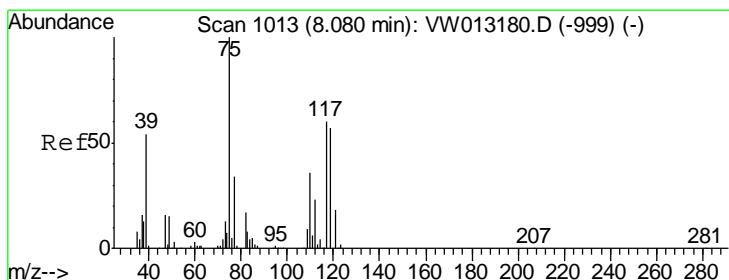
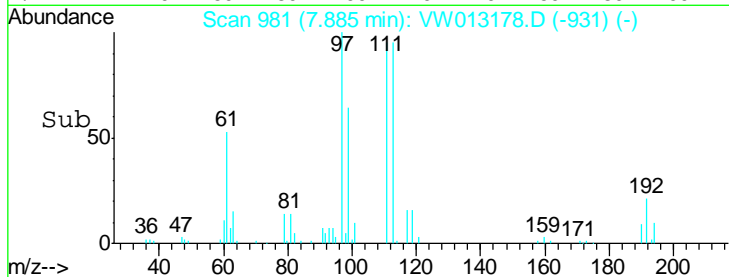
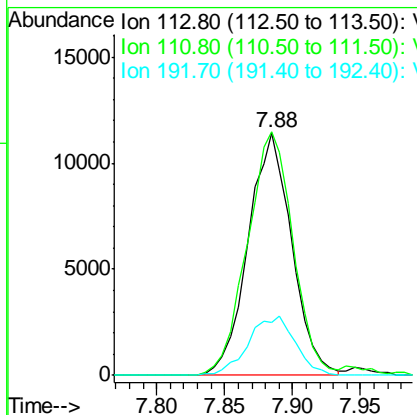
Instrument : MSVOA_W
 Client Sampled : VSTDIC010



Tgt Ion	Resp	Lower	Upper
113	25651		
113	100		
111	104.9	81.9	122.9
192	26.1	19.1	28.7

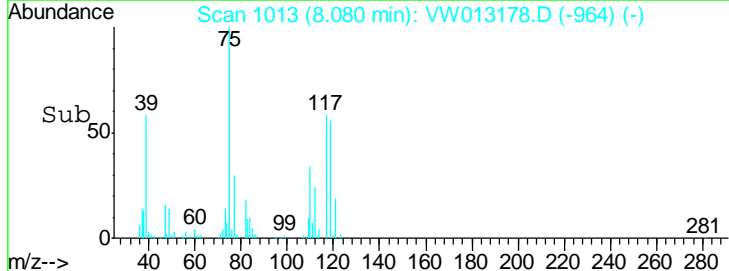
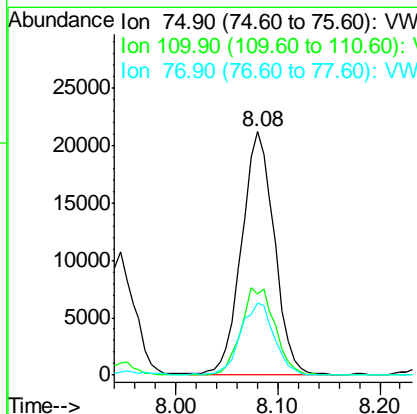
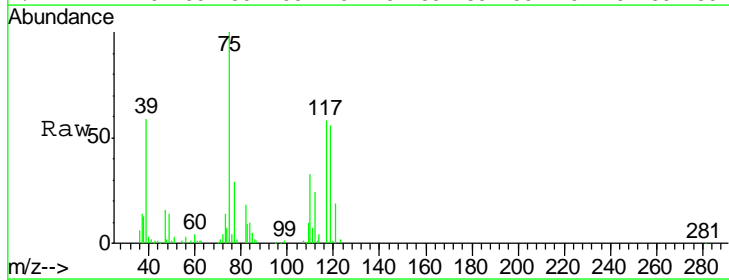
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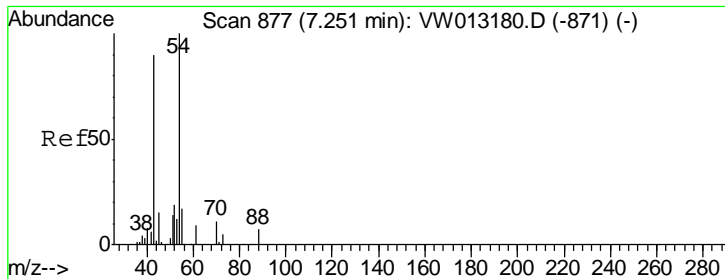
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#36
 1,1-Dichloropropene
 Concen: 11.967 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
75	47426		
75	100		
110	37.1	18.1	54.3
77	30.8	25.8	38.6



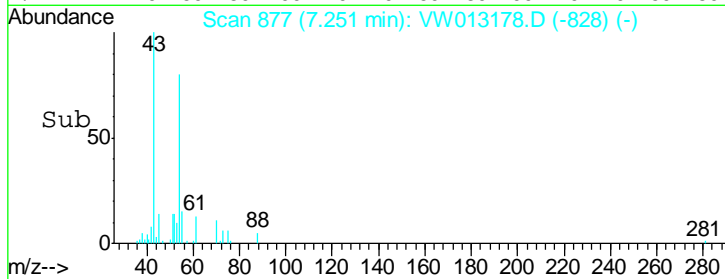
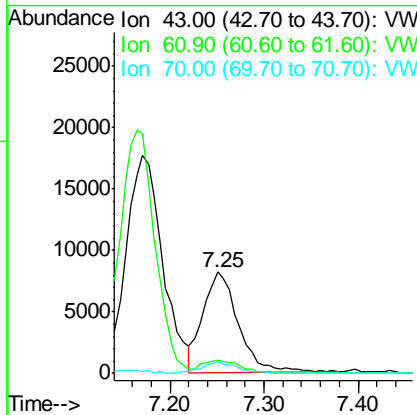
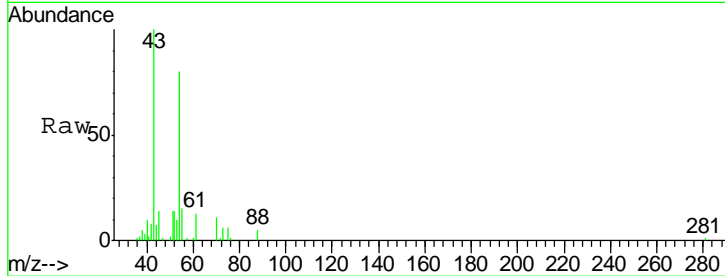


#37
 Ethyl Acetate
 Concen: 10.526 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	10.7	8.2	12.2

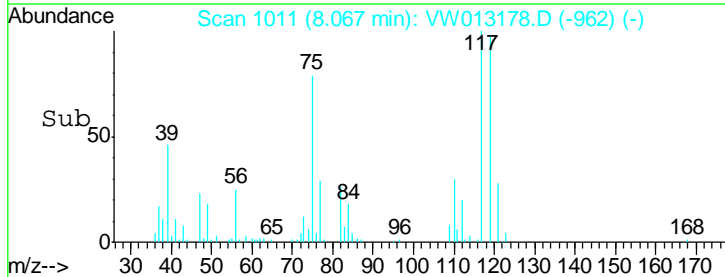
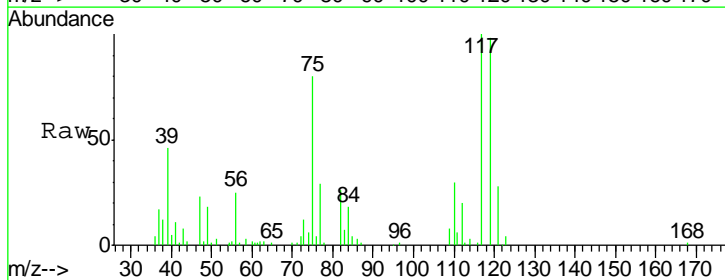
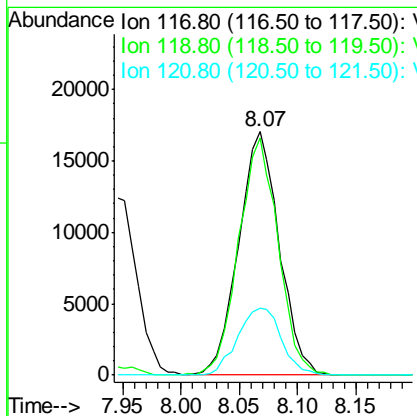
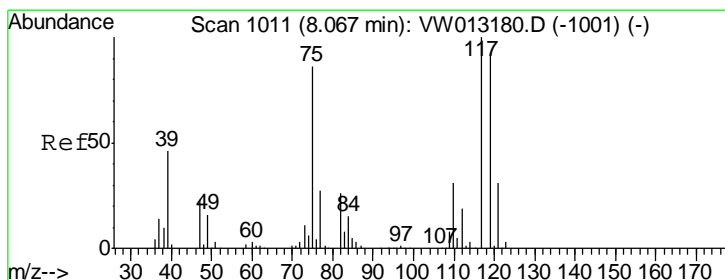
Instrument : MSVOA_W
 Client Sampled : VSTDIC010

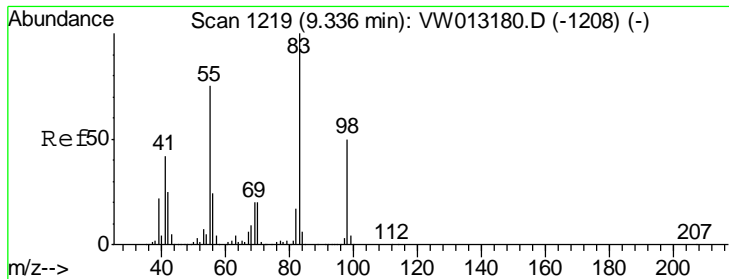
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#38
 Carbon Tetrachloride
 Concen: 10.450 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.7	73.5	110.3
121	27.7	25.0	37.6





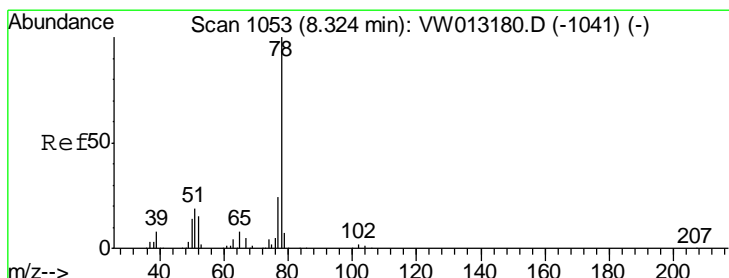
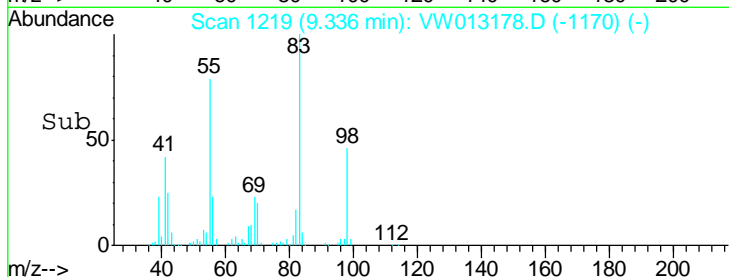
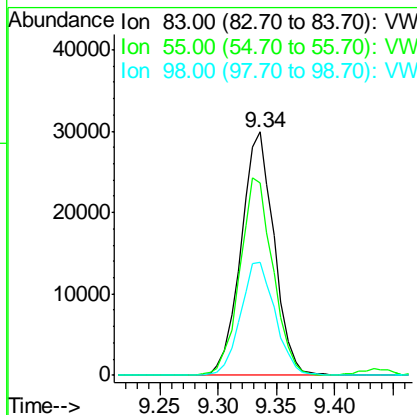
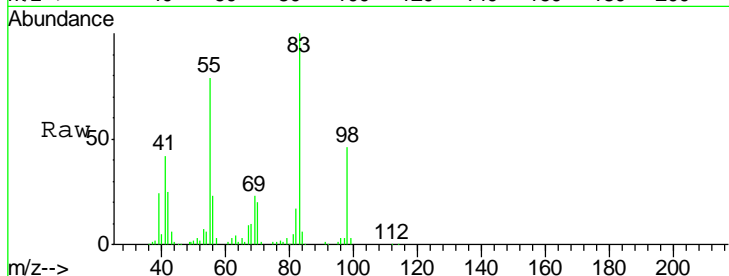
#39
 Methylcyclohexane
 Concen: 13.038 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
83	58900		
83	100		
55	79.3	60.4	90.6
98	46.3	40.0	60.0

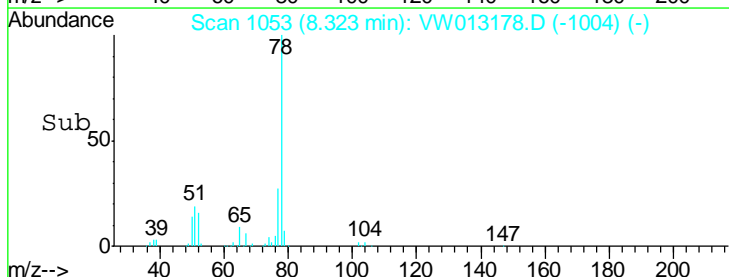
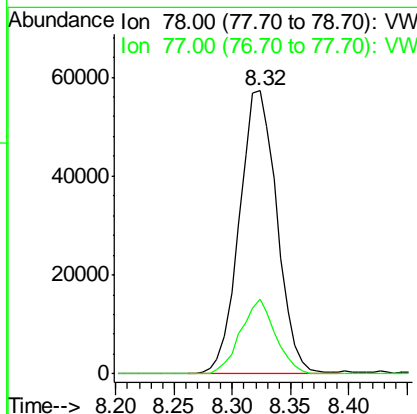
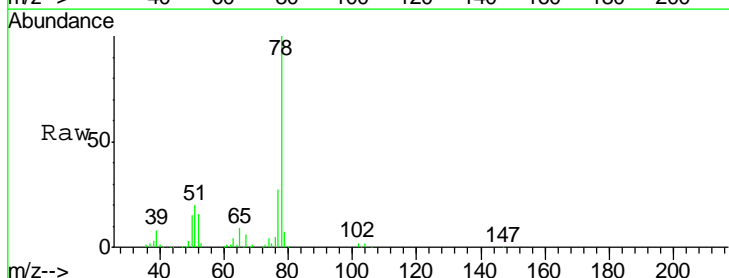
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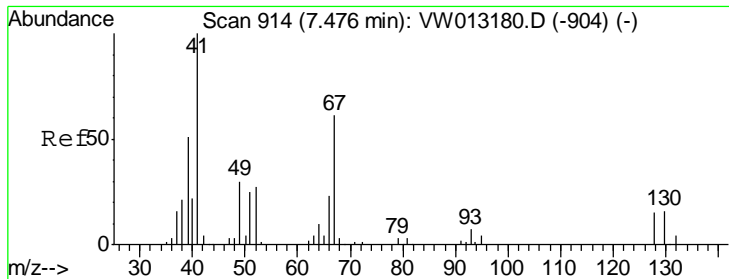
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#40
 Benzene
 Concen: 11.680 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
78	129223		
78	100		
77	26.6	19.1	28.7





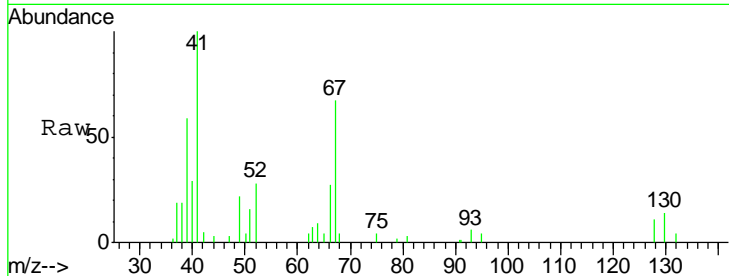
#41
 Methacrylonitrile
 Concen: 8.501 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

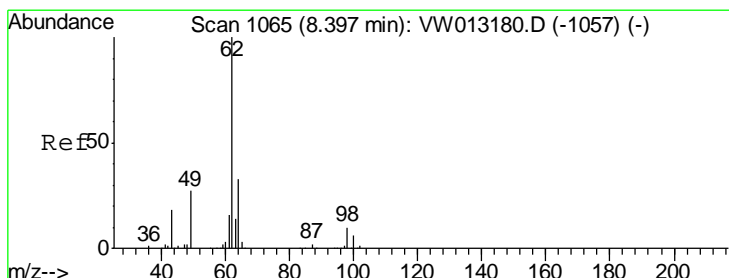
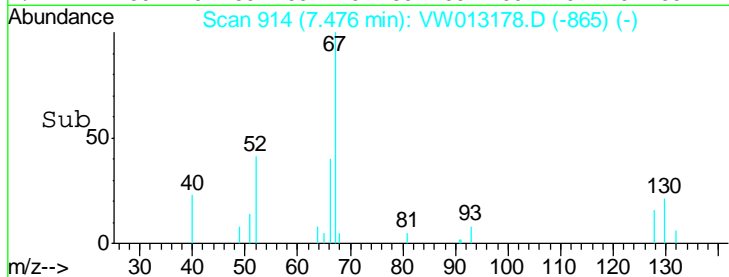
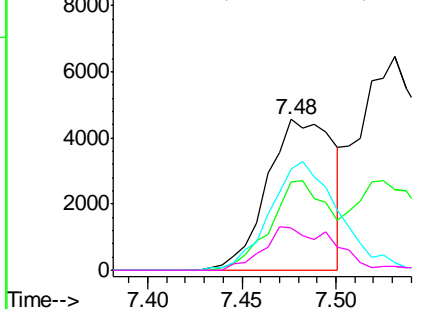
Tgt Ion	Resp	Lower	Upper
41	100		
39	51.5	45.9	68.9
67	74.6	54.5	81.7
52	31.2	22.5	33.7

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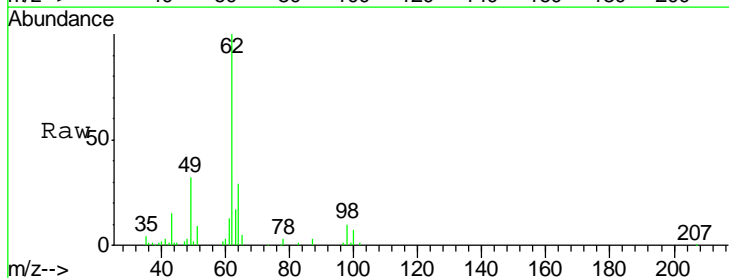


Abundance Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW
 Ion 67.00 (66.70 to 67.70): VW
 Ion 52.00 (51.70 to 52.70): VW

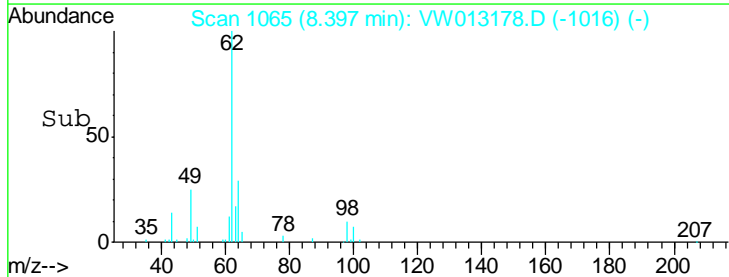
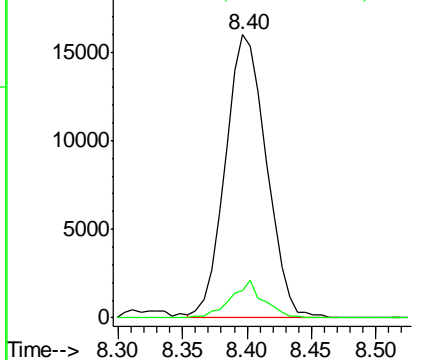


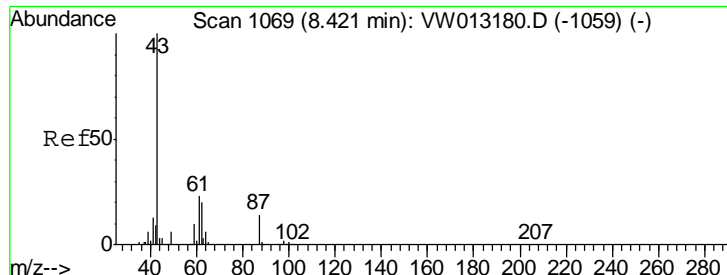
#42
 1,2-Dichloroethane
 Concen: 9.968 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.5	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
 Ion 97.90 (97.60 to 98.60): VW





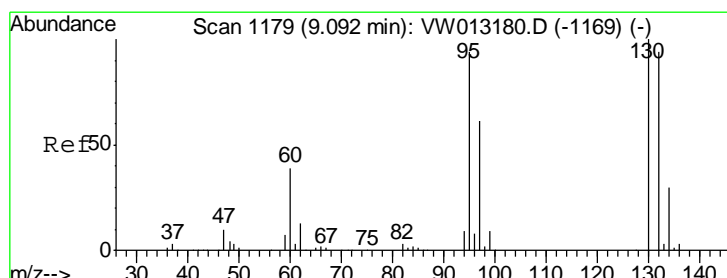
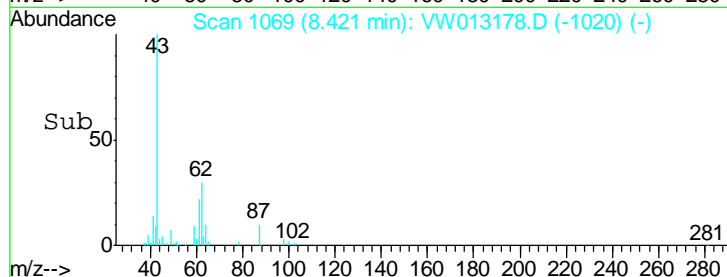
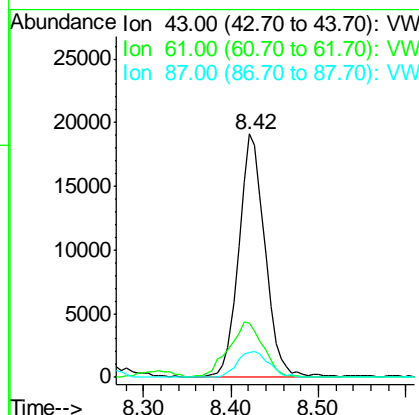
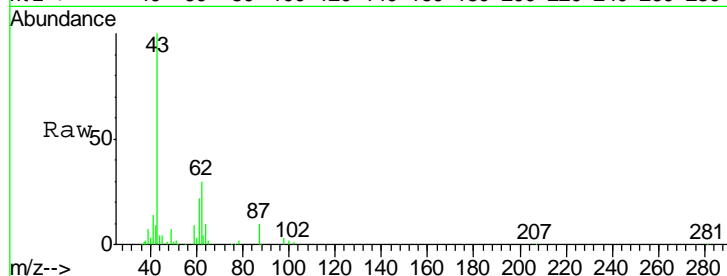
#43
 Isopropyl Acetate
 Concen: 10.367 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
43	40008		
61	29.7	25.5	38.3
87	12.6	11.0	16.4

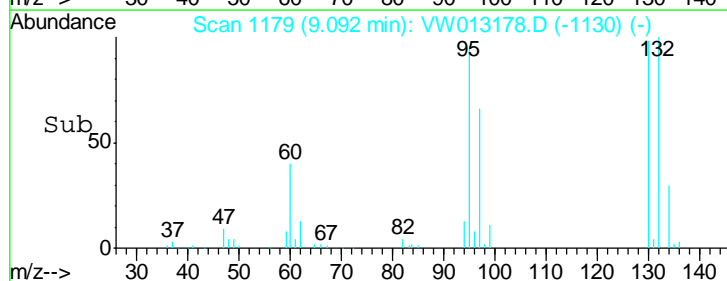
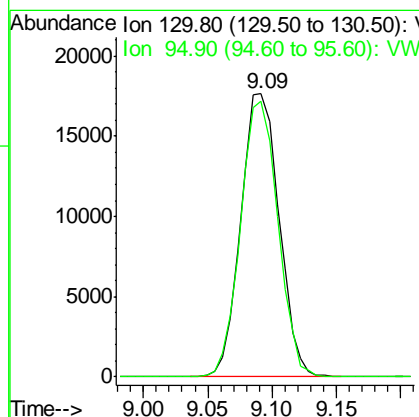
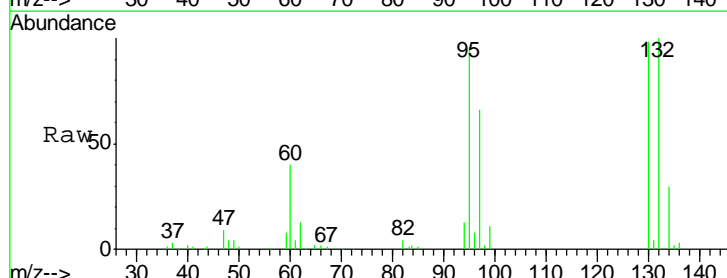
Manual Integrations
 APPROVED

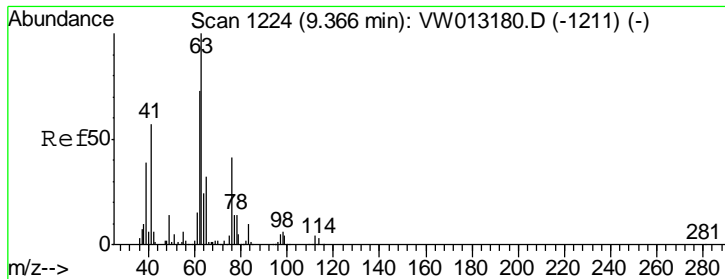
MMDadoda
 9/24/2019 5:28:42 AM



#44
 Trichloroethene
 Concen: 11.918 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
130	36361		
95	97.5	0.0	188.0





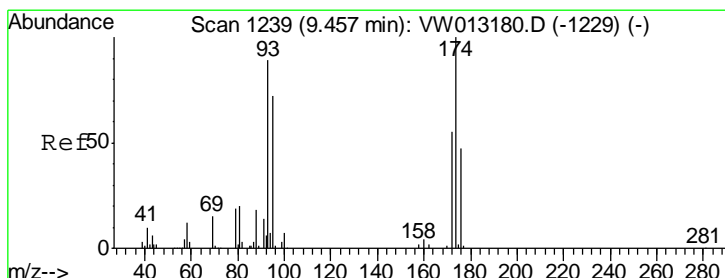
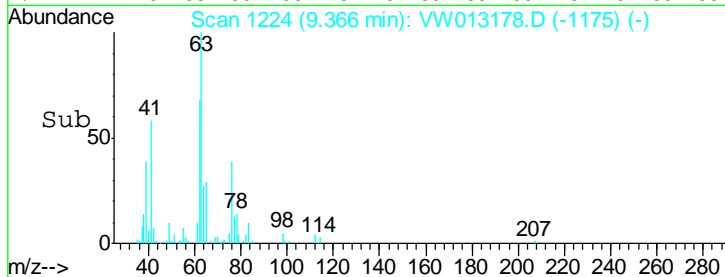
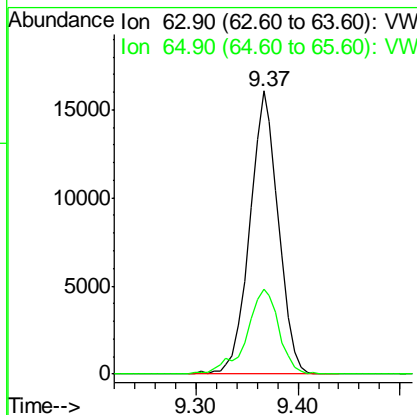
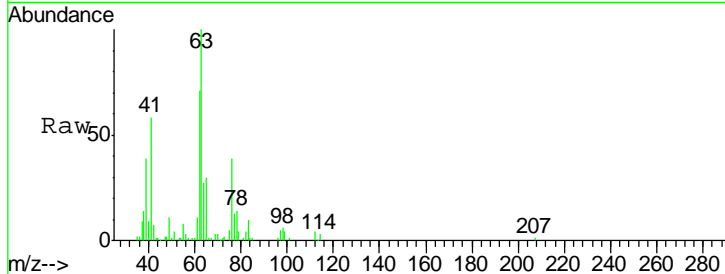
#45
 1,2-Dichloropropane
 Concen: 10.854 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
63	31325		
63	100		
65	29.9	25.3	37.9

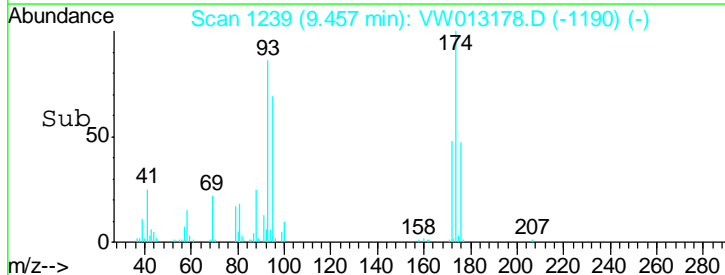
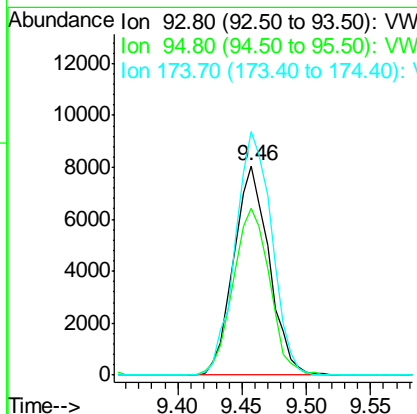
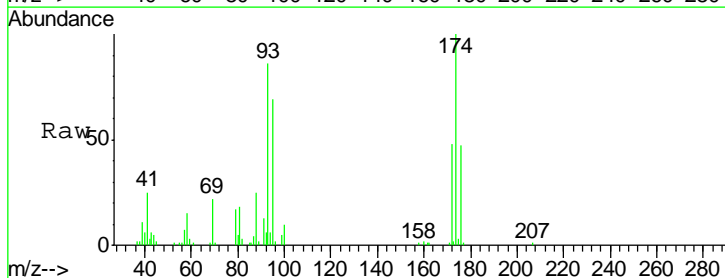
Manual Integrations
APPROVED

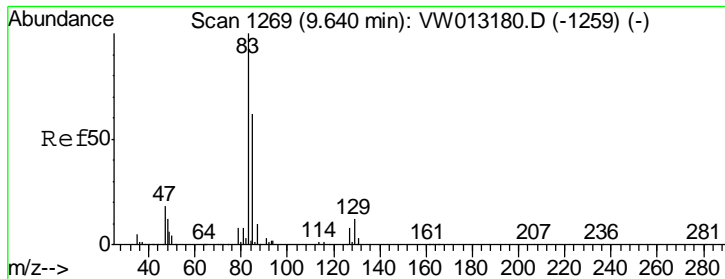
MMDadoda
 9/24/2019 5:28:42 AM



#46
 Dibromomethane
 Concen: 11.094 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
93	15376		
93	100		
95	82.3	66.4	99.6
174	119.5	93.0	139.6





#47

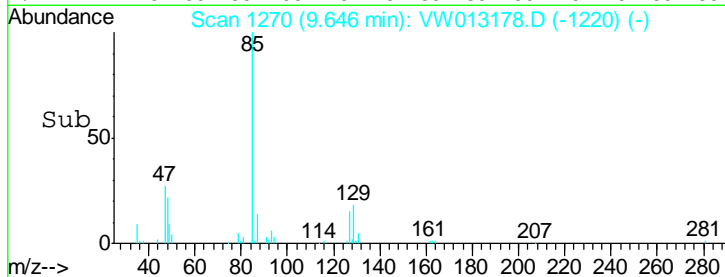
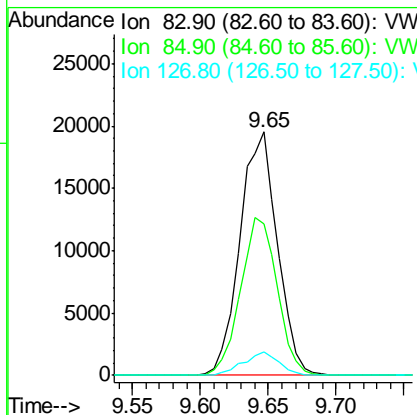
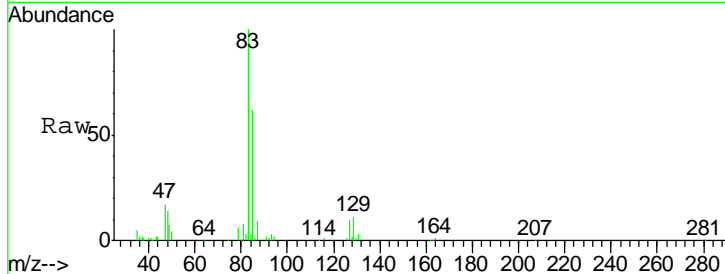
Bromodichloromethane
 Concen: 9.817 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
83	37513		
85	62.2	49.4	74.2
127	9.5	6.5	9.7

Manual Integrations
 APPROVED

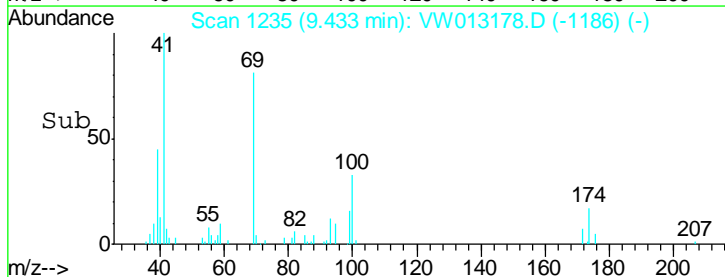
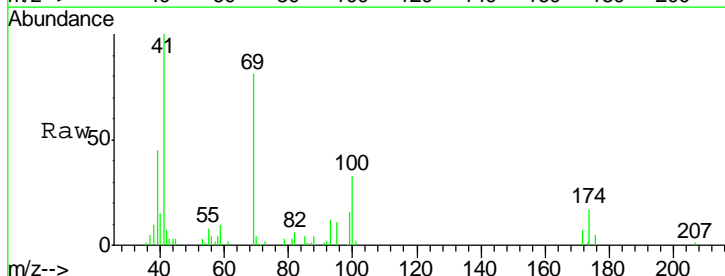
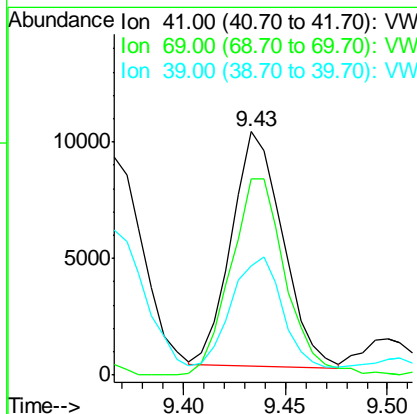
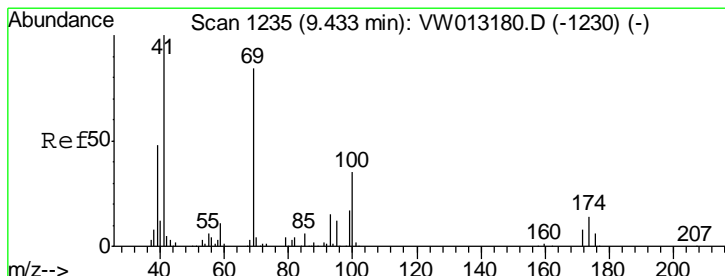
MMDadoda
 9/24/2019 5:28:42 AM

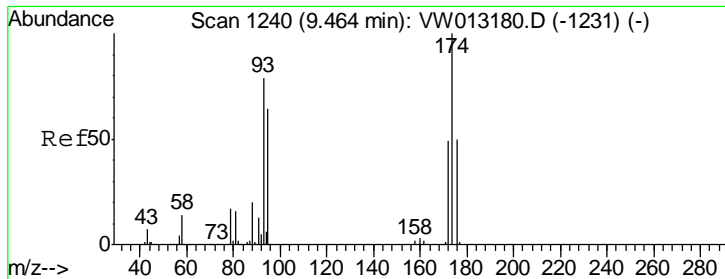


#48

Methyl methacrylate
 Concen: 9.665 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
41	17544		
69	89.8	69.7	104.5
39	47.5	41.1	61.7





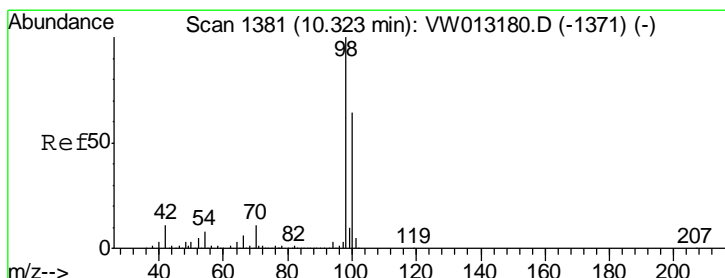
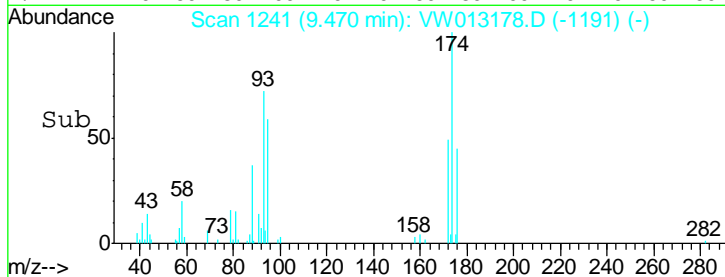
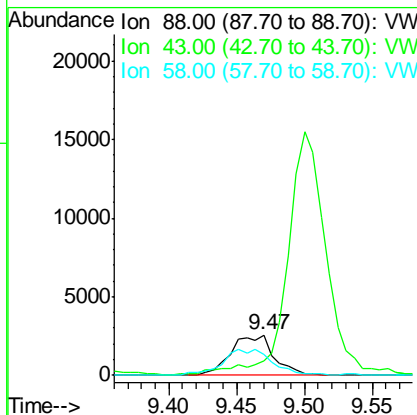
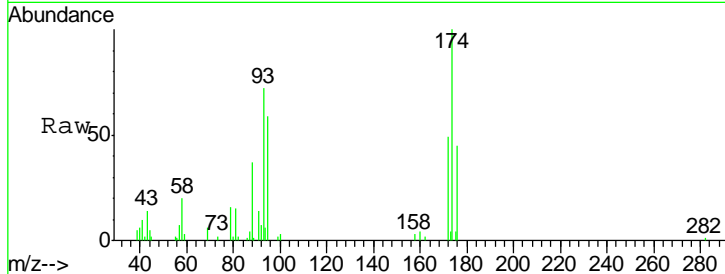
#49
 1,4-Dioxane
 Concen: 253.353 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
88	5625		
88	100		
43	0.0	0.0	0.0
58	74.7	65.4	98.0

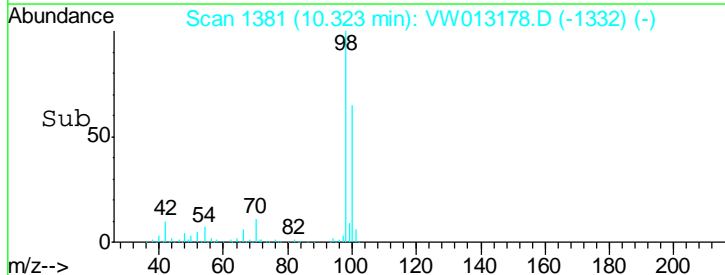
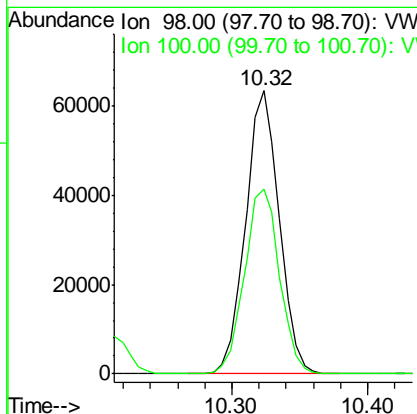
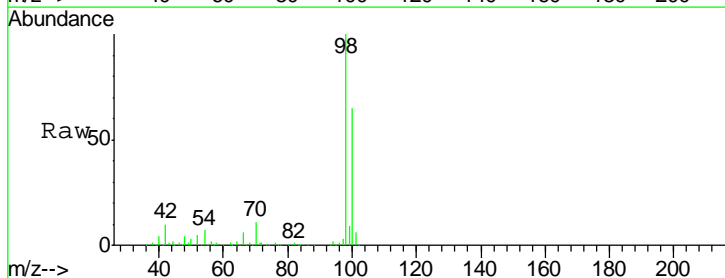
Manual Integrations
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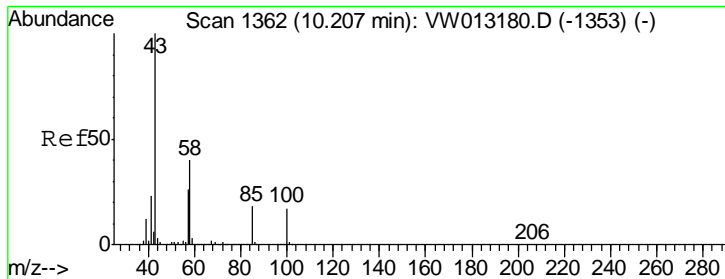
MMDadoda
 9/24/2019 5:28:42 AM



#50
 Toluene-d8
 Concen: 10.714 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
98	109788		
98	100		
100	68.0	52.9	79.3





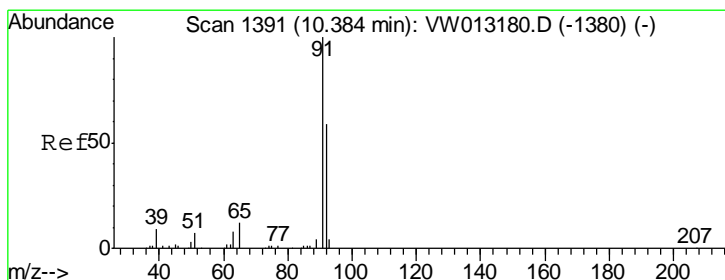
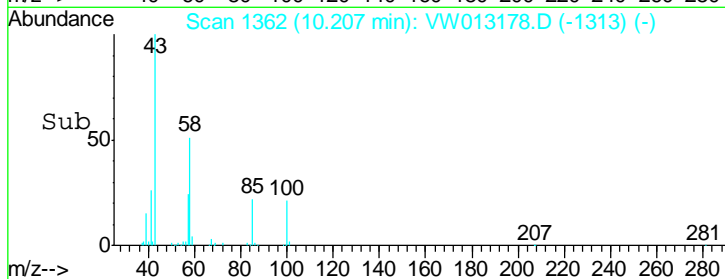
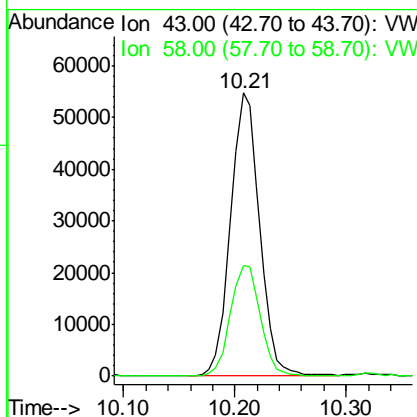
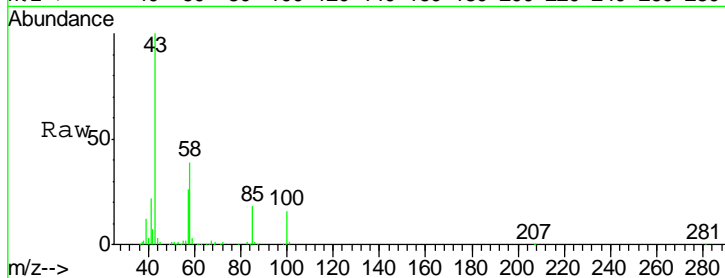
#51
 4-Methyl-2-Pentanone
 Concen: 49.840 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.4	31.7	47.5

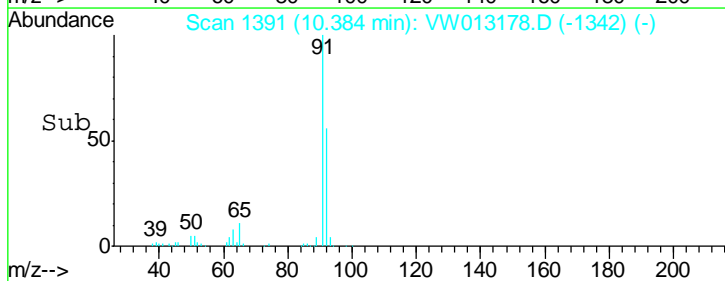
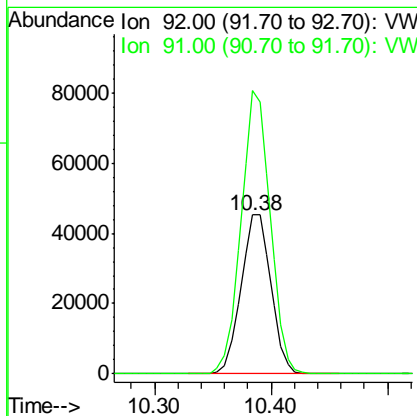
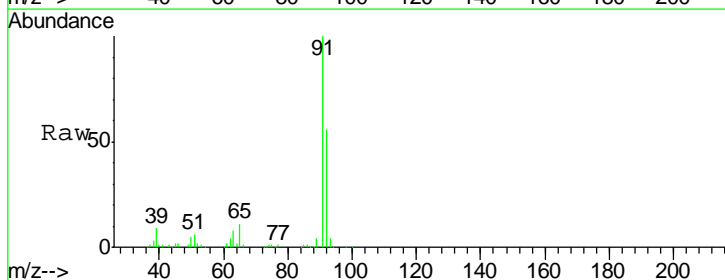
Manual Integrations
 APPROVED

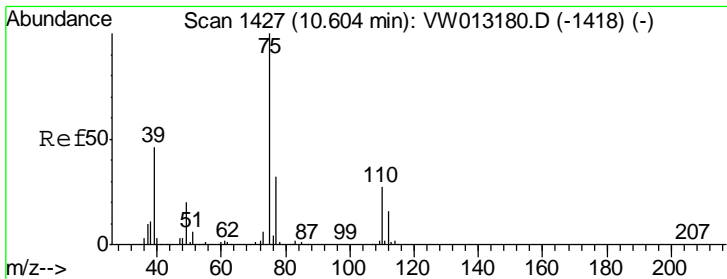
MMDadoda
 9/24/2019 5:28:42 AM



#52
 Toluene
 Concen: 11.579 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
92	100		
91	173.0	135.7	203.5





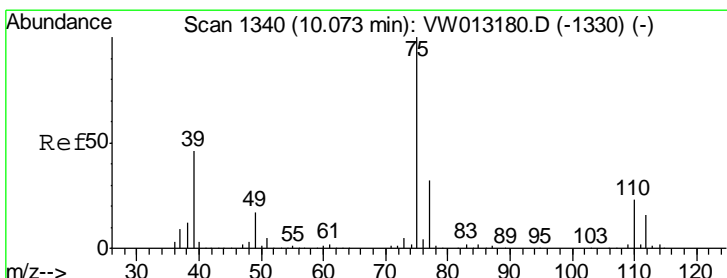
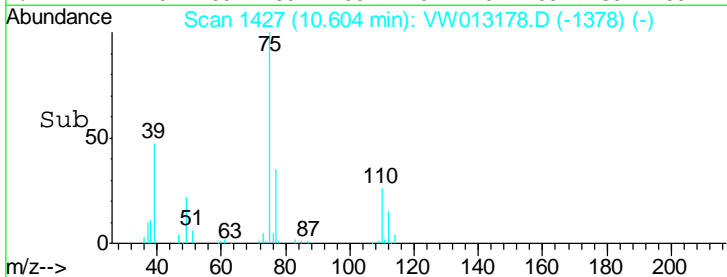
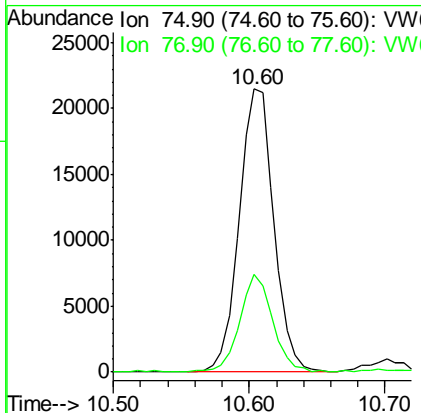
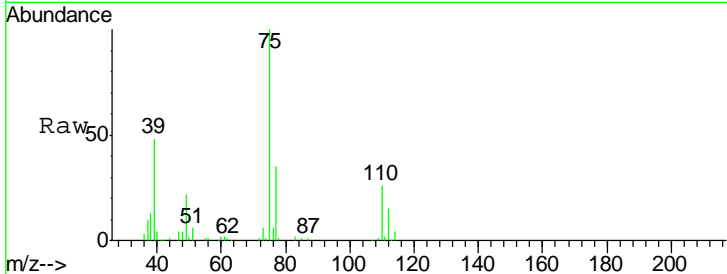
#53
 t-1,3-Dichloropropene
 Concen: 9.883 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
75	38188		
75	100		
77	34.6	25.5	38.3

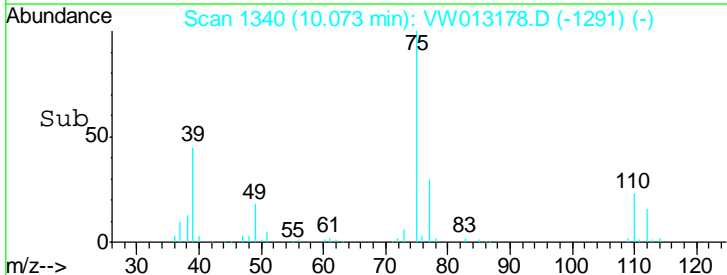
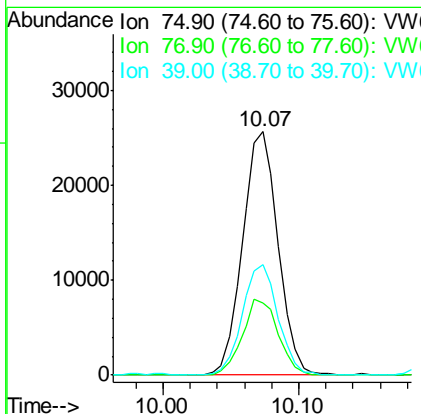
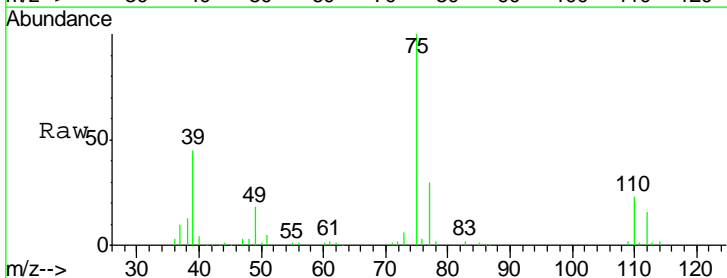
Manual Integrations
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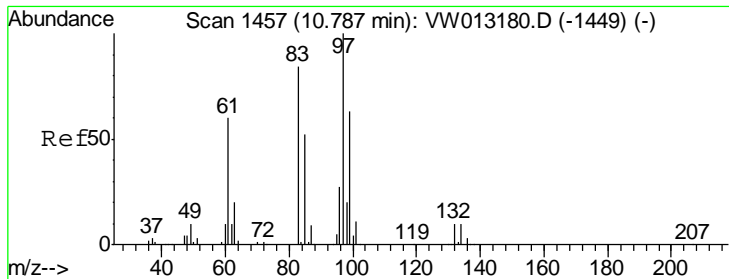
MMDadoda
 9/24/2019 5:28:42 AM



#54
 cis-1,3-Dichloropropene
 Concen: 10.467 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
75	46696		
75	100		
77	29.6	25.2	37.8
39	45.4	36.6	55.0



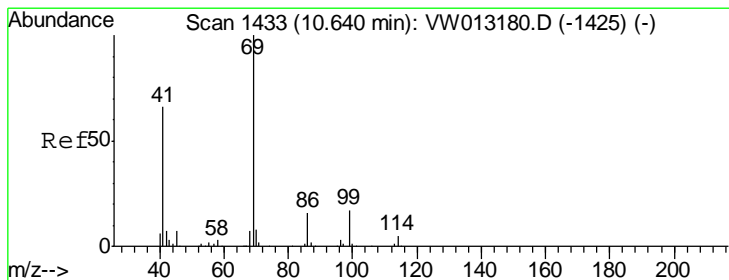
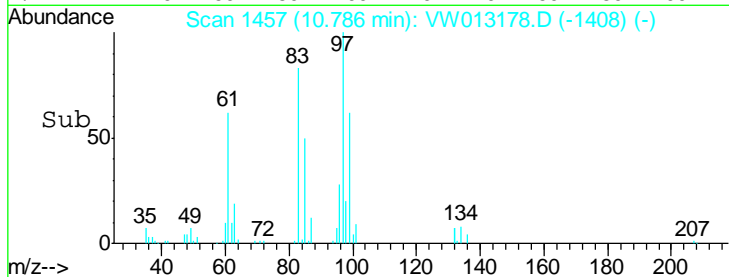
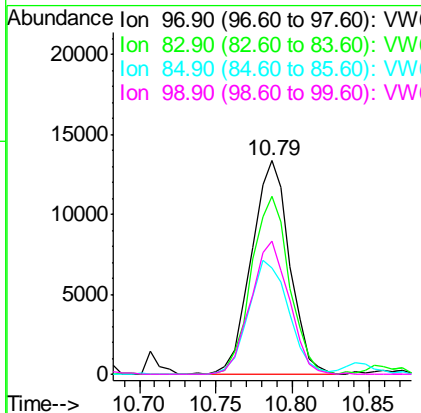
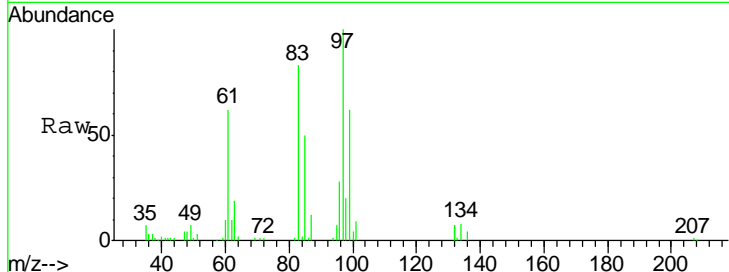


#55
 1,1,2-Trichloroethane
 Concen: 11.011 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

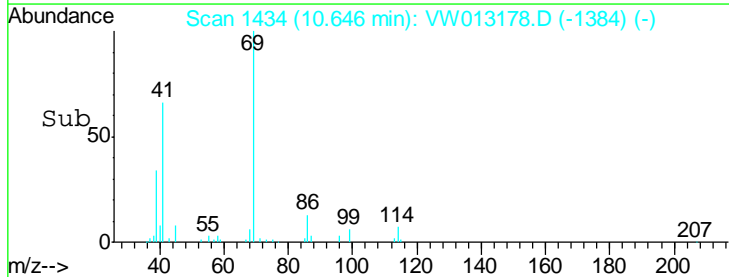
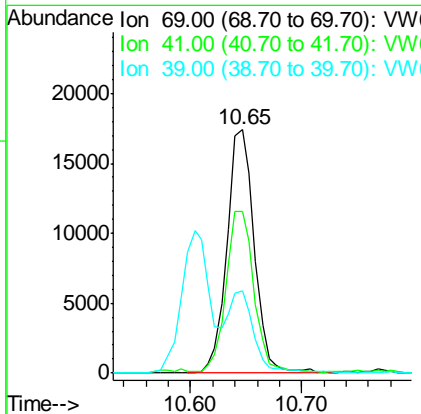
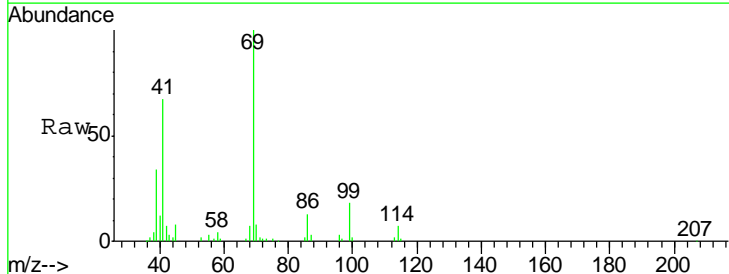
Tgt Ion	Resp	Lower	Upper
97	23171		
97	100		
83	83.4	67.6	101.4
85	49.6	41.9	62.9
99	62.1	50.1	75.1

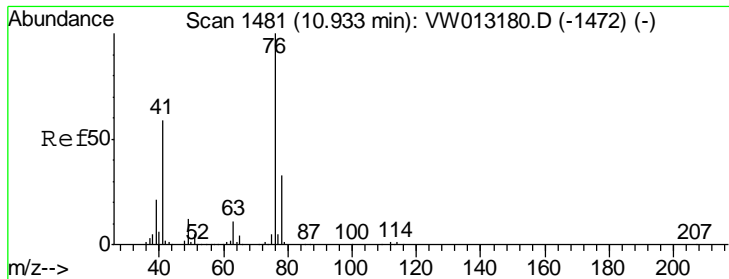
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 10.534 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
69	29659		
69	100		
41	68.7	53.9	80.9
39	31.7	23.8	35.6





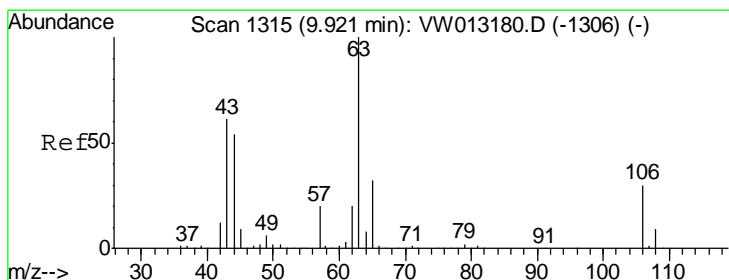
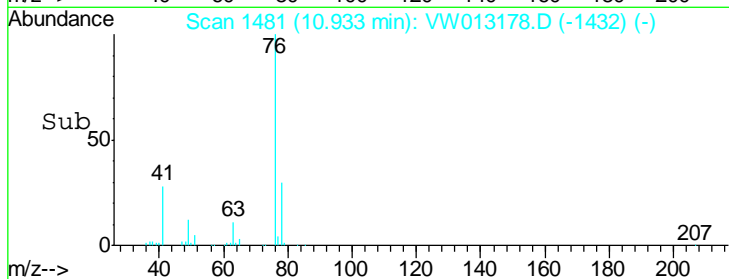
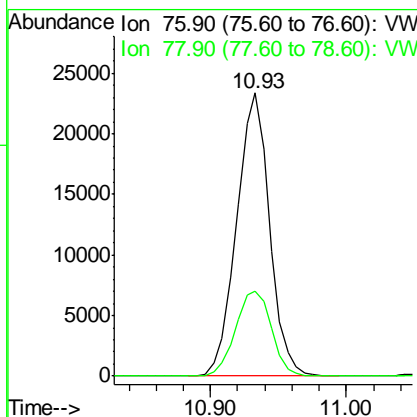
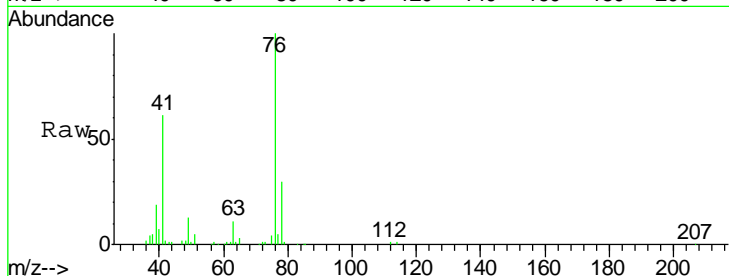
#57
 1,3-Dichloropropane
 Concen: 10.586 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
76	39410		
76	100		
78	32.6	25.5	38.3

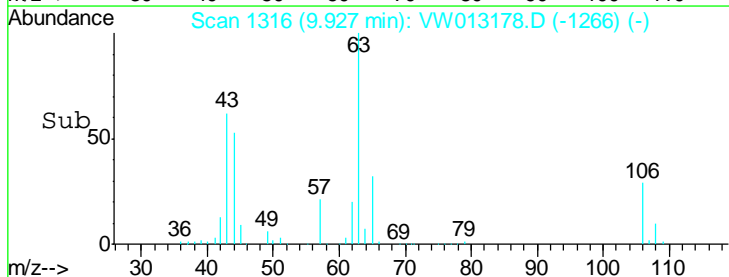
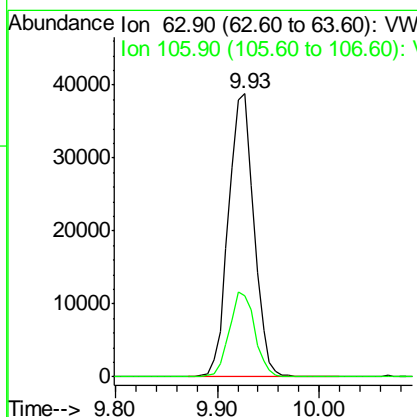
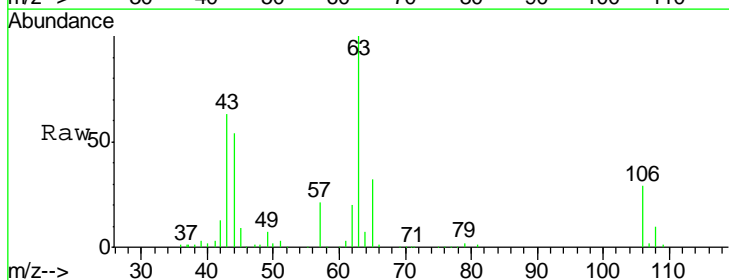
Manual Integrations
APPROVED

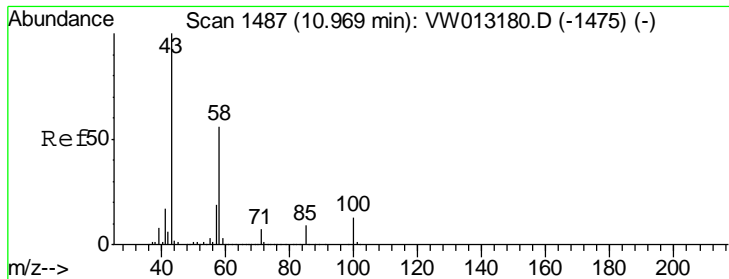
MMDadoda
 9/24/2019 5:28:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 44.898 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
63	66878		
63	100		
106	30.0	23.4	35.0





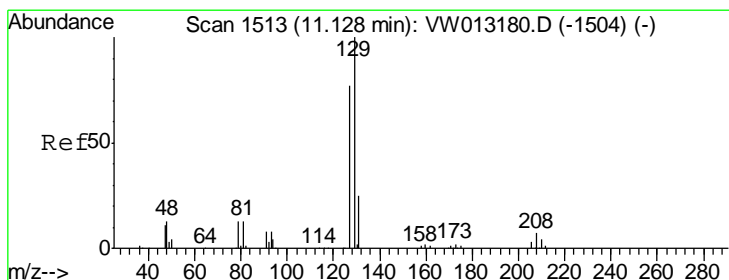
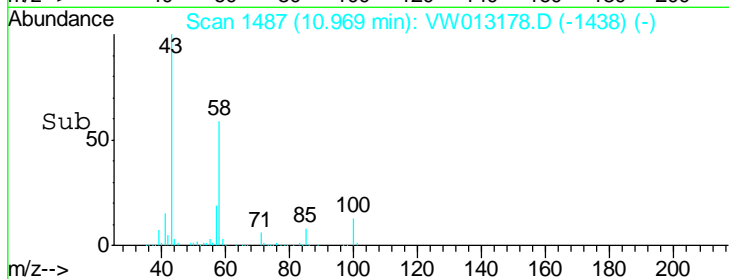
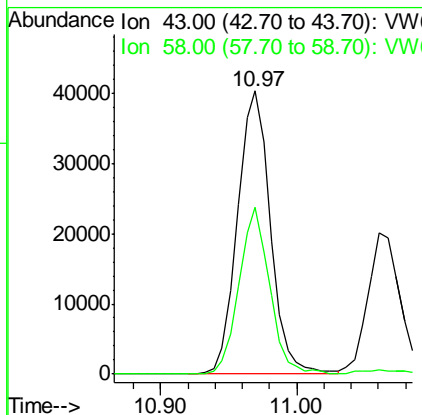
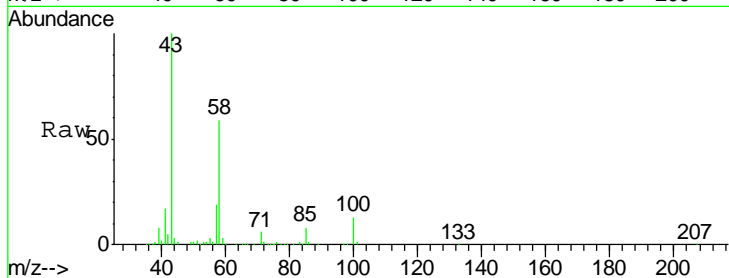
#59
 2-Hexanone
 Concen: 49.461 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
43	67971		
58	54.9	28.1	84.2

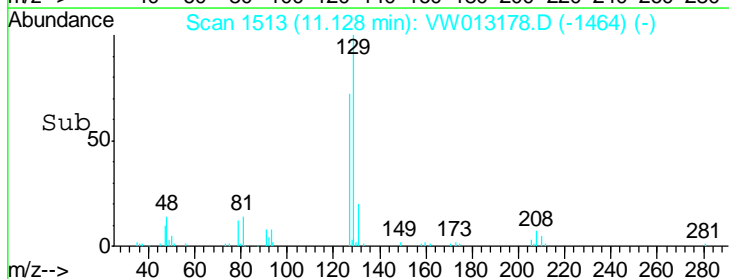
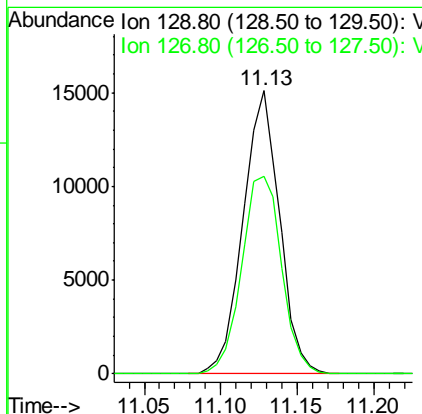
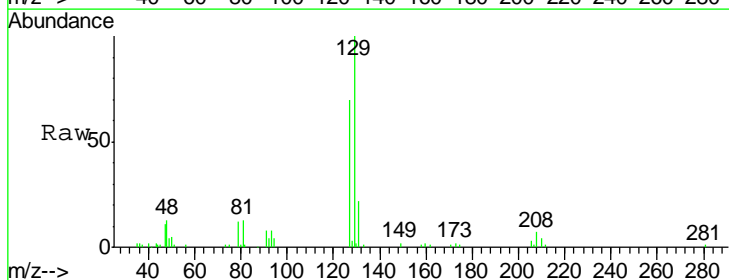
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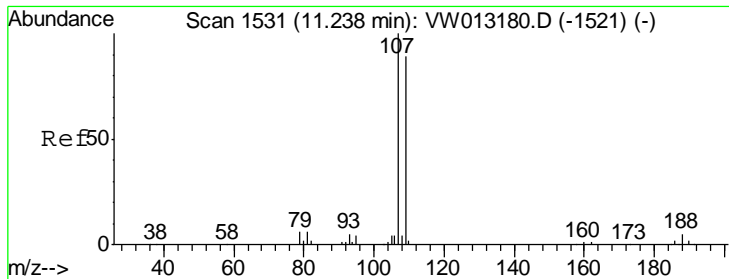
MMDadoda
 9/24/2019 5:28:42 AM



#60
 Dibromochloromethane
 Concen: 9.949 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
129	25005		
127	76.4	38.8	116.4





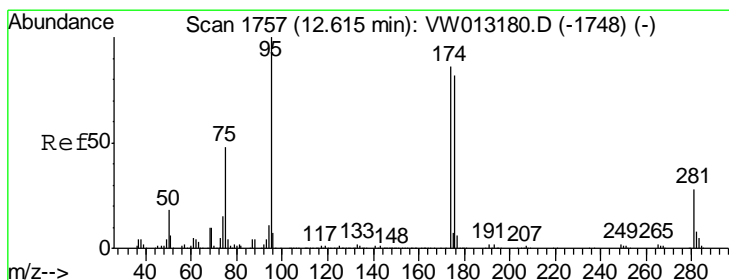
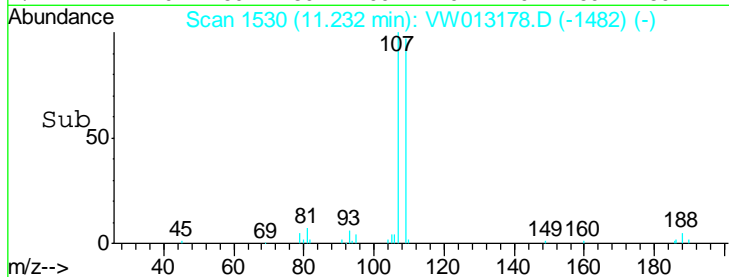
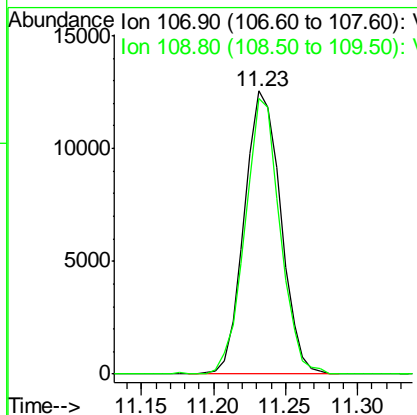
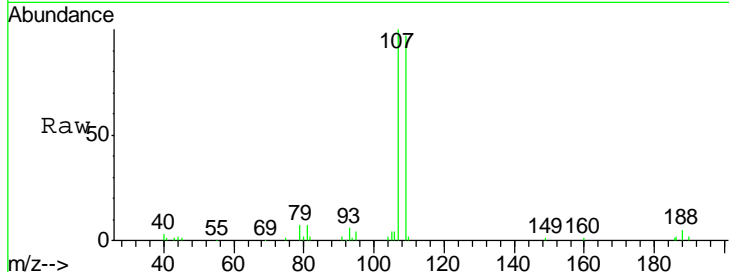
#61
 1,2-Dibromoethane
 Concen: 11.405 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.3	75.2	112.8

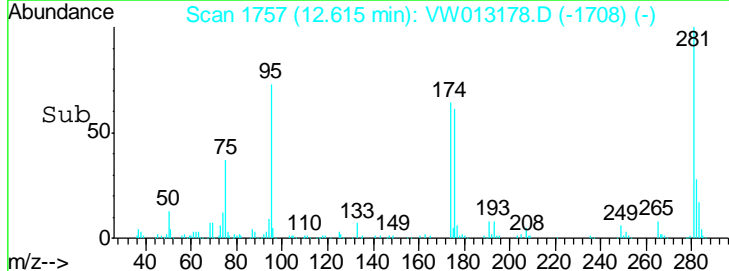
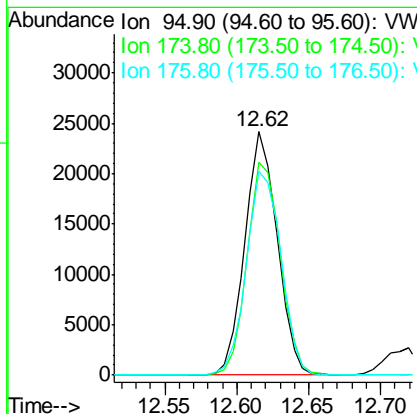
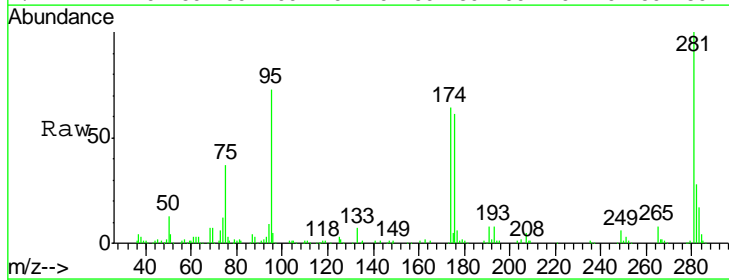
Manual Integrations
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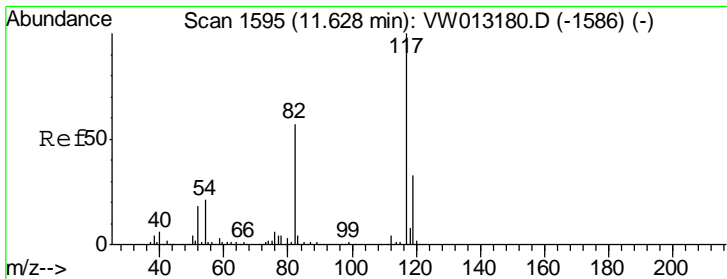
MMDadoda
 9/24/2019 5:28:42 AM



#62
 4-Bromofluorobenzene
 Concen: 10.226 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
95	100		
174	89.9	0.0	178.4
176	89.3	0.0	172.2





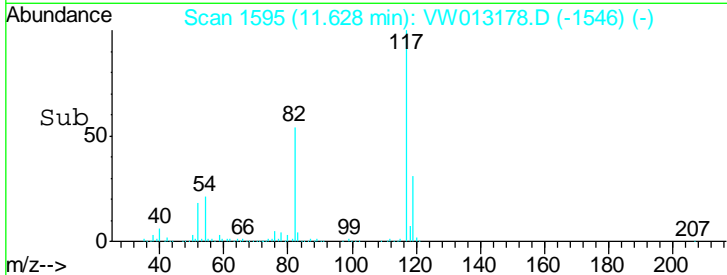
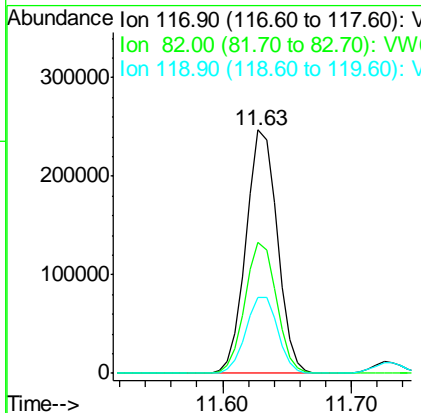
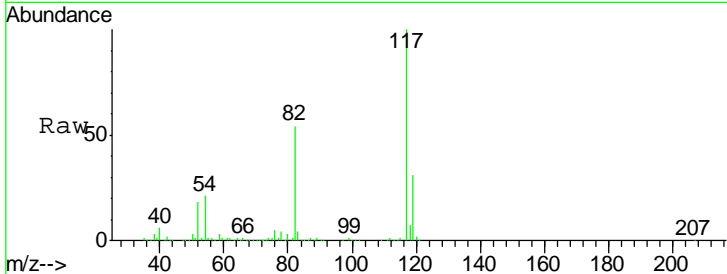
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
117	412646		
82	54.1	45.9	68.9
119	31.2	26.2	39.2

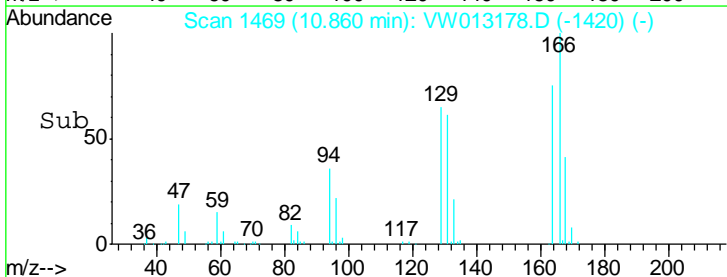
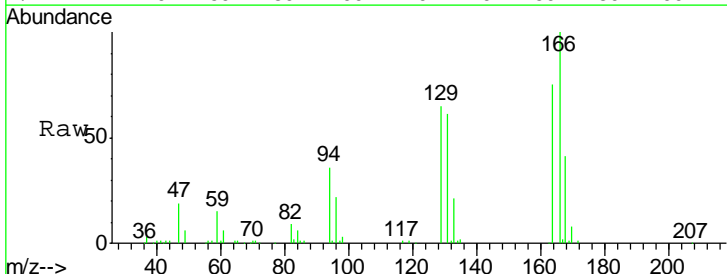
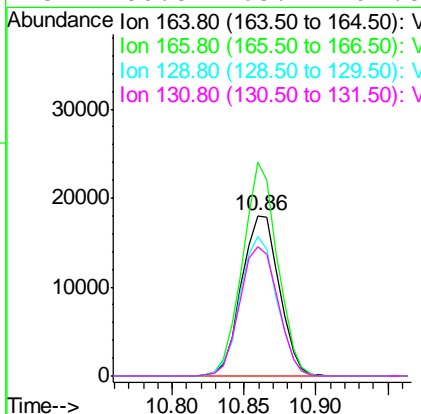
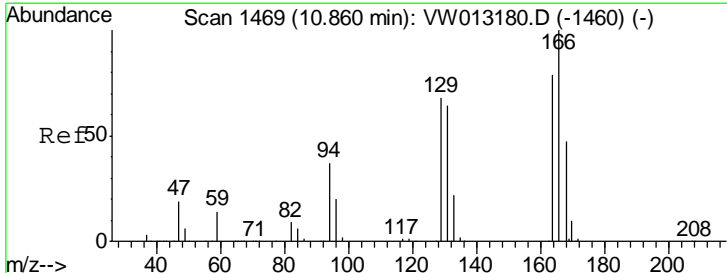
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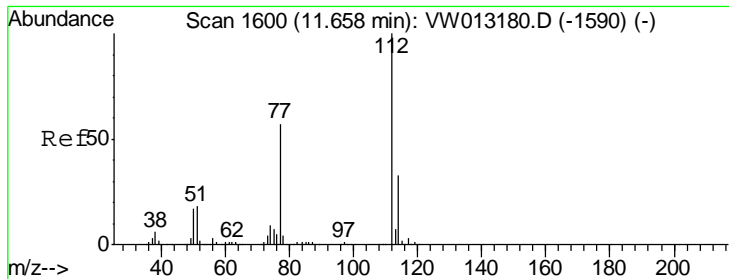
MMDadoda
 9/24/2019 5:28:42 AM



#64
 Tetrachloroethene
 Concen: 12.752 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
164	32700		
166	133.3	101.2	151.8
129	87.1	68.8	103.2
131	80.8	65.2	97.8





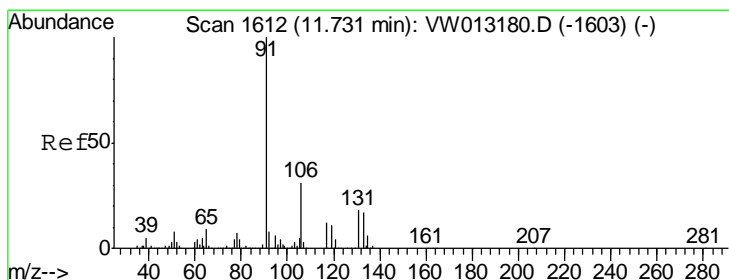
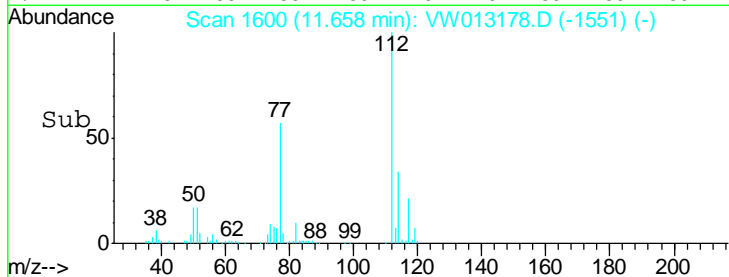
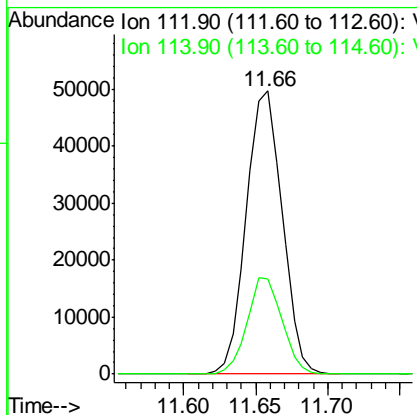
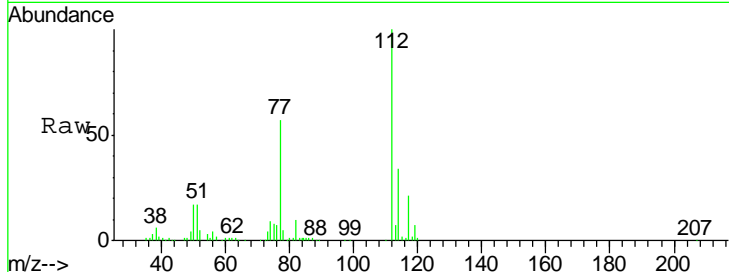
#65
 Chlorobenzene
 Concen: 11.391 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
112	100		
114	33.5	26.5	39.7

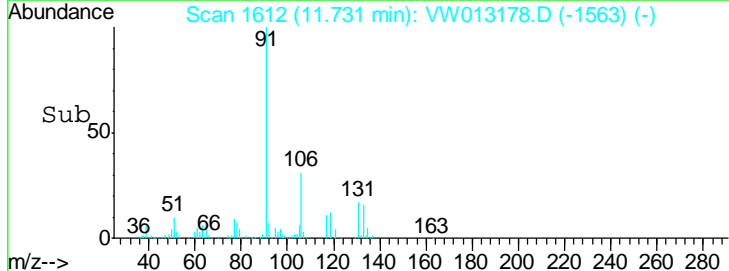
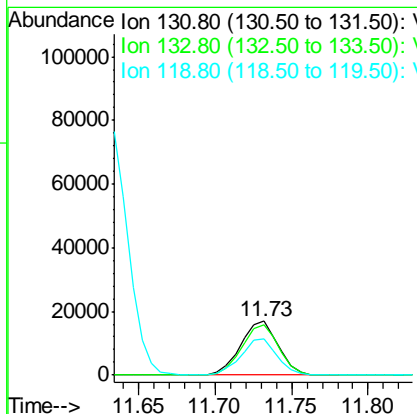
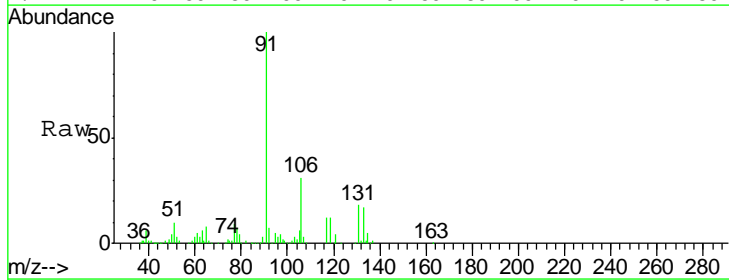
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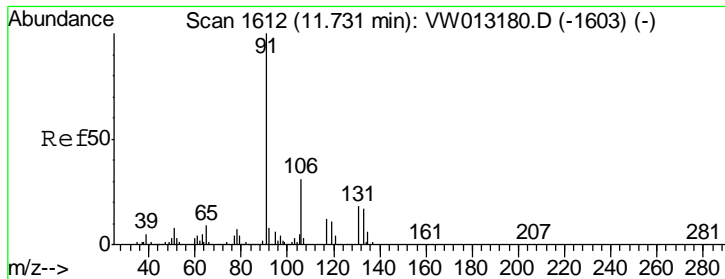
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 10.071 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.2	47.5	142.6
119	64.8	32.5	97.5





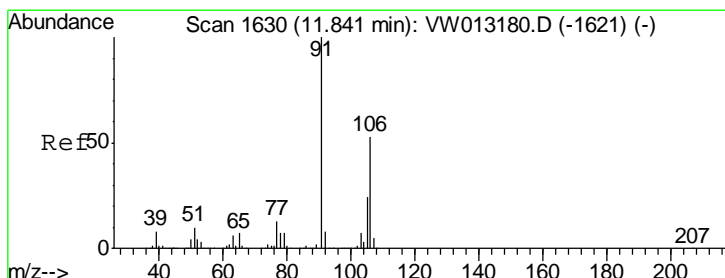
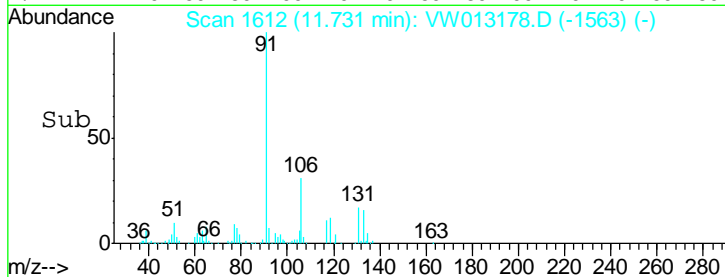
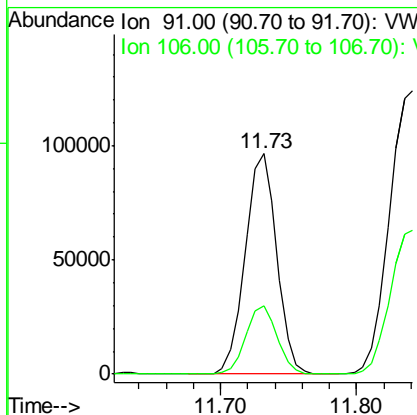
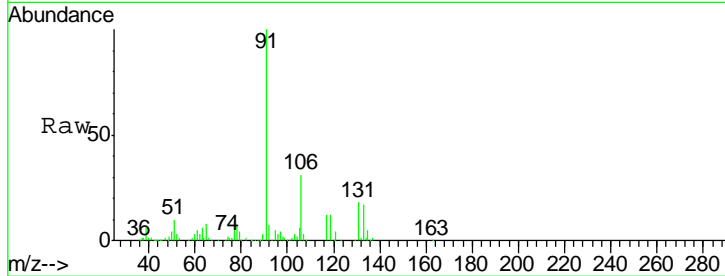
#67
 Ethyl Benzene
 Concen: 11.280 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.2	24.9	37.3

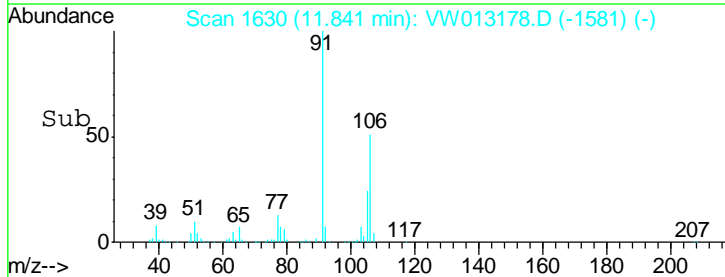
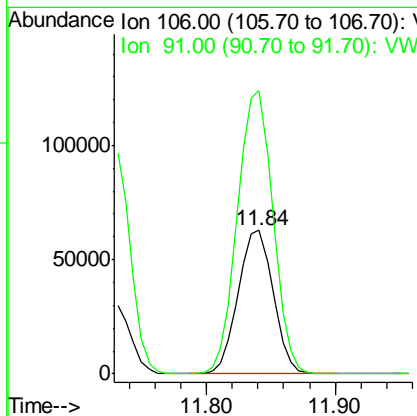
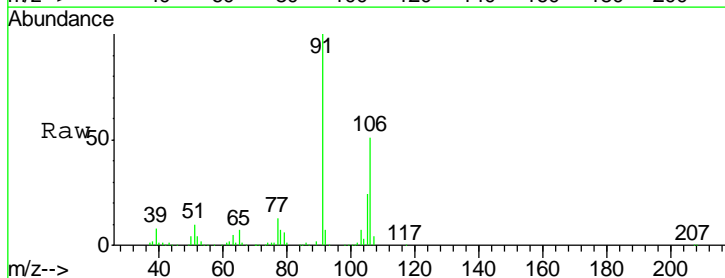
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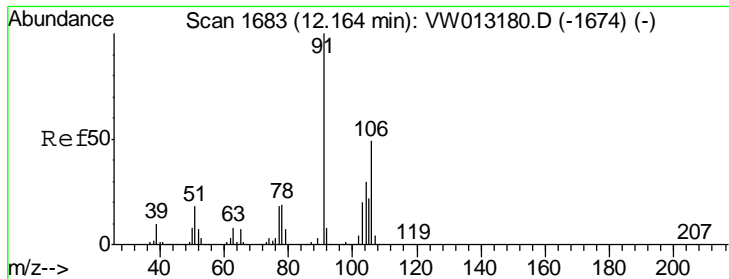
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 9/24/2019 5:28:42 AM



#68
 m/p-Xylenes
 Concen: 23.179 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.3	157.9	236.9





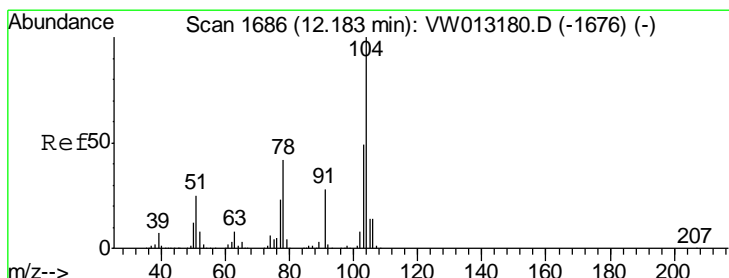
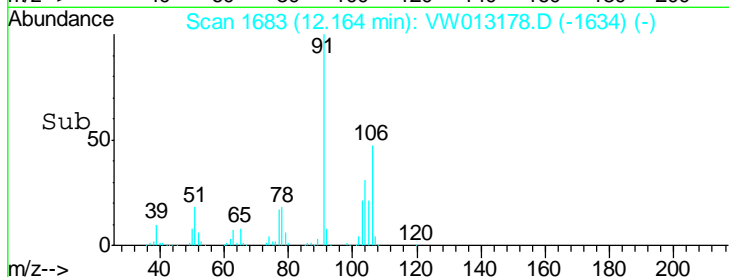
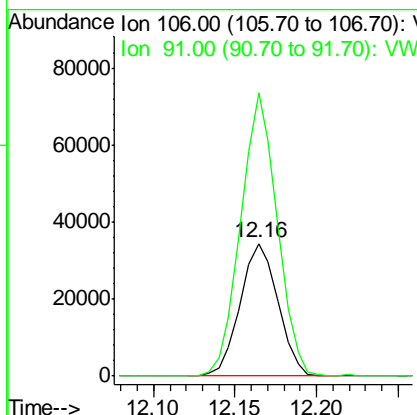
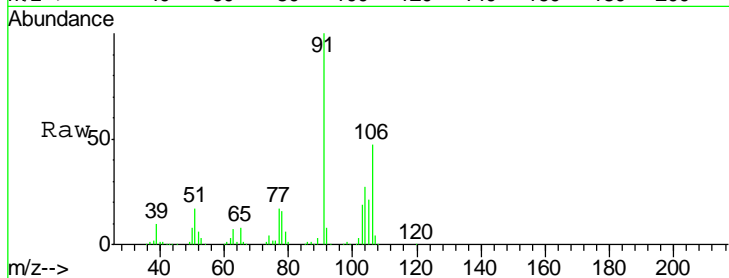
#69
 o-Xylene
 Concen: 11.653 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
106	55682		
106	100		
91	206.1	106.5	319.5

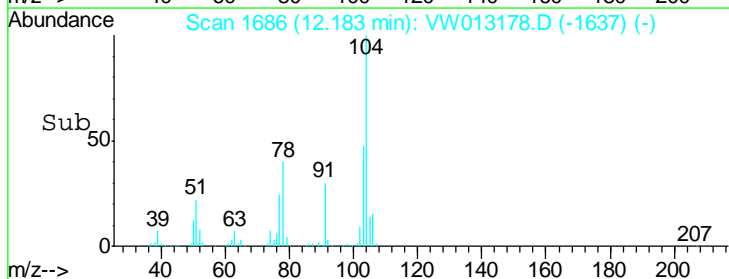
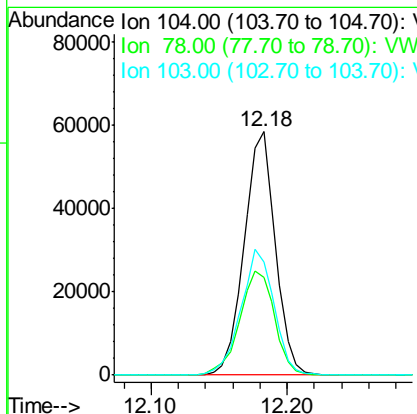
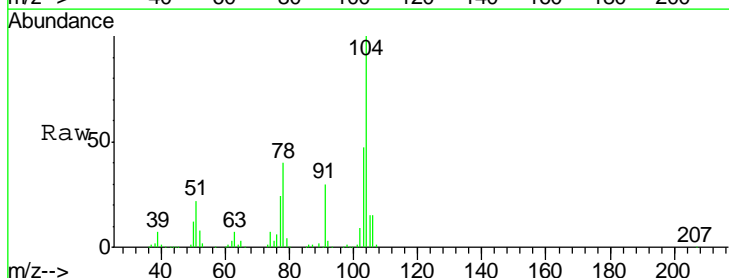
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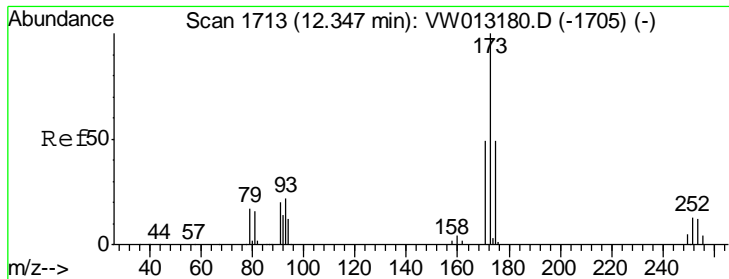
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#70
 Styrene
 Concen: 11.067 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
104	93708		
104	100		
78	47.8	38.4	57.6
103	55.0	43.3	64.9





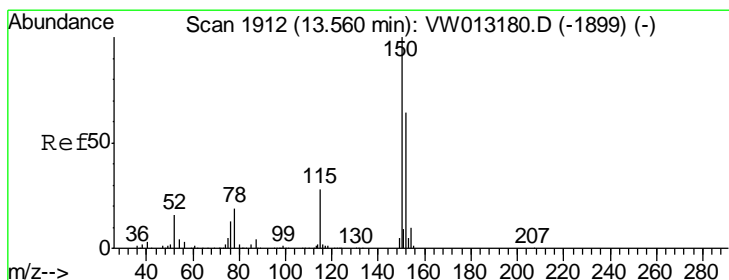
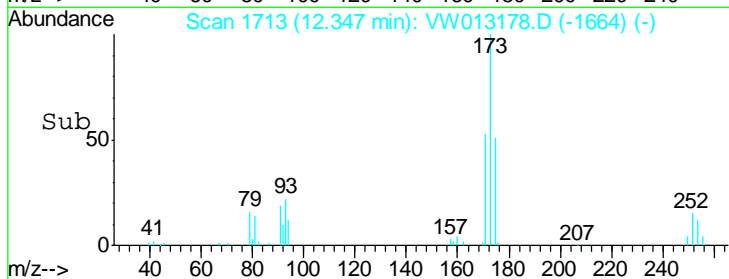
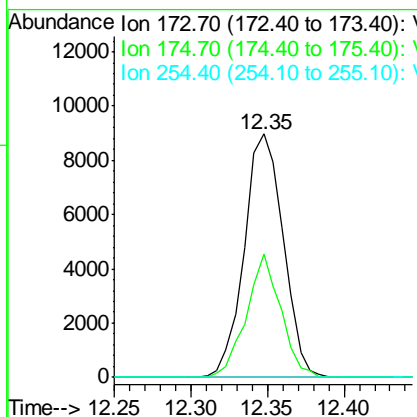
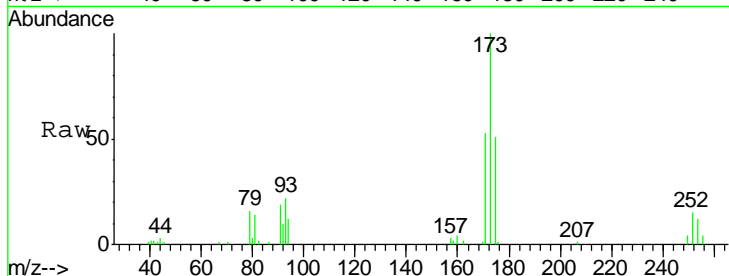
#71
 Bromoform
 Concen: 10.729 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
173	15868		
173	100		
175	44.8	24.3	73.0
254	0.0	0.1	0.1#

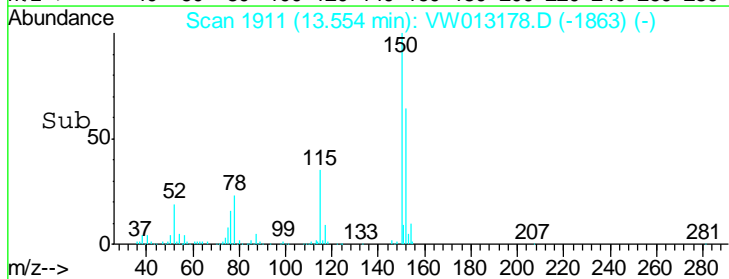
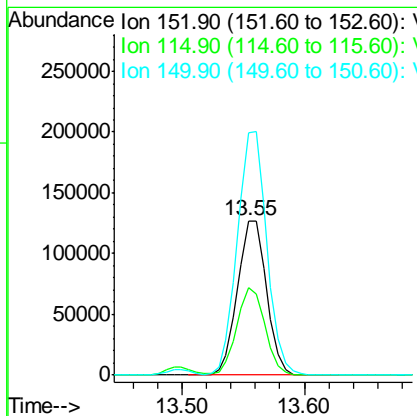
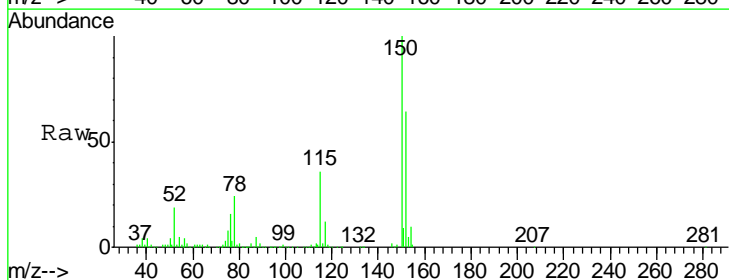
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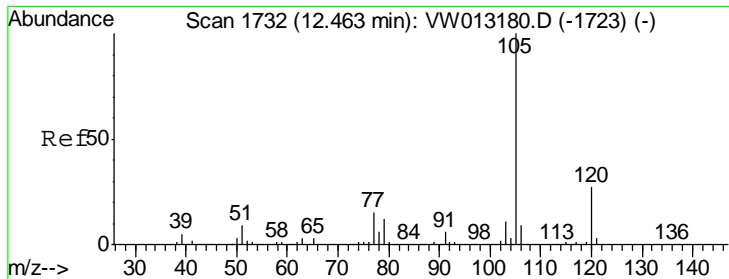
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
152	208501		
152	100		
115	54.9	27.3	81.9
150	160.2	0.0	349.0





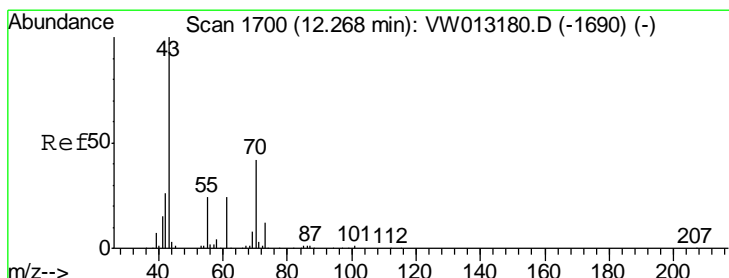
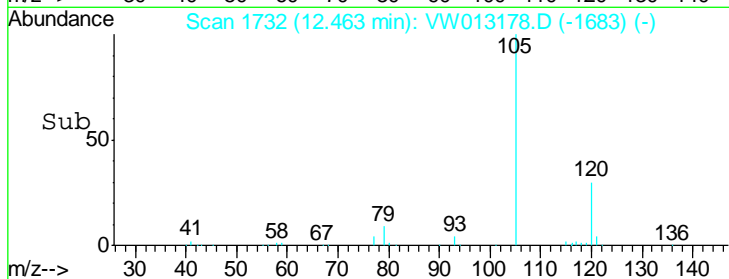
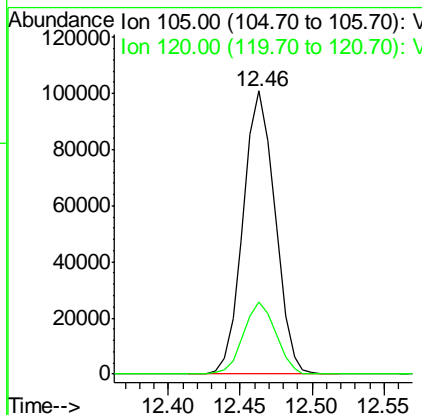
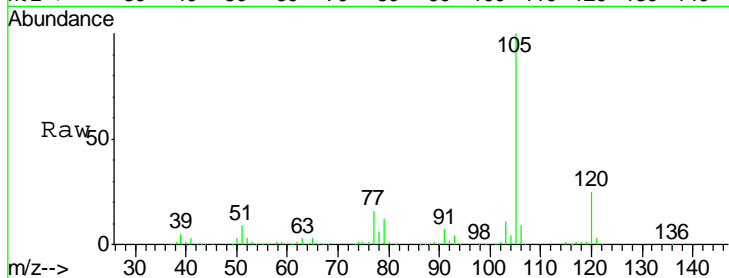
#73
 Isopropylbenzene
 Concen: 11.056 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
105	155238		
120	25.7	13.4	40.1

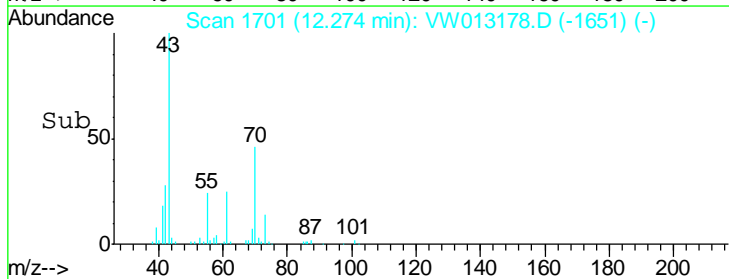
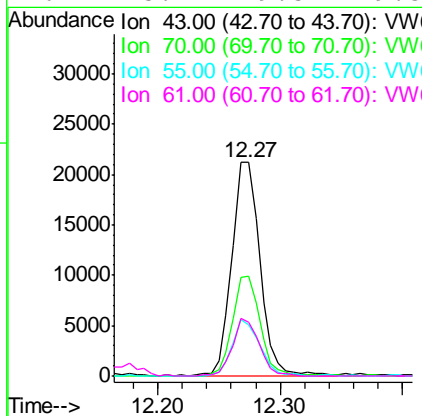
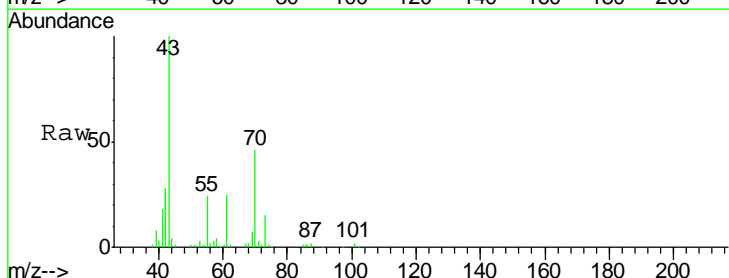
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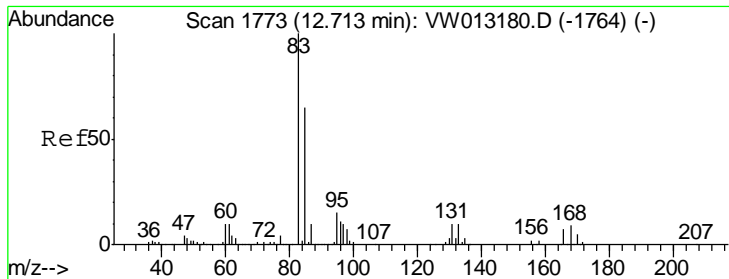
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#74
 N-aryl acetate
 Concen: 9.664 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	34016		
70	45.4	35.1	52.7
55	25.8	19.9	29.9
61	25.1	19.5	29.3





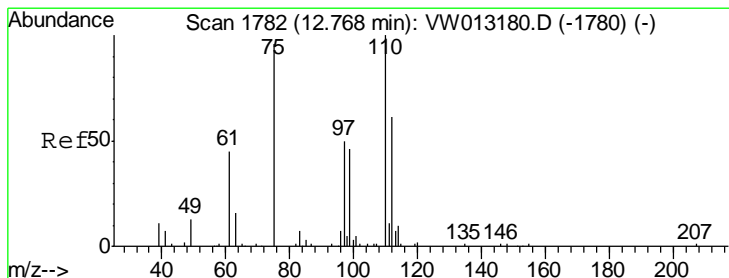
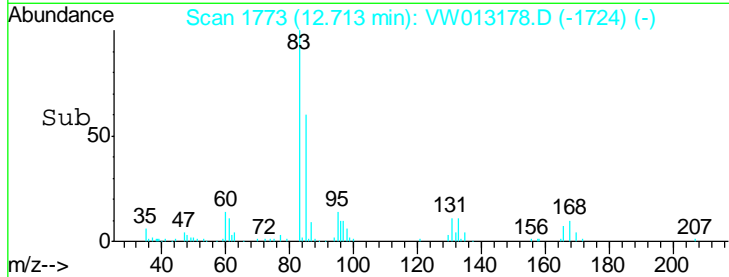
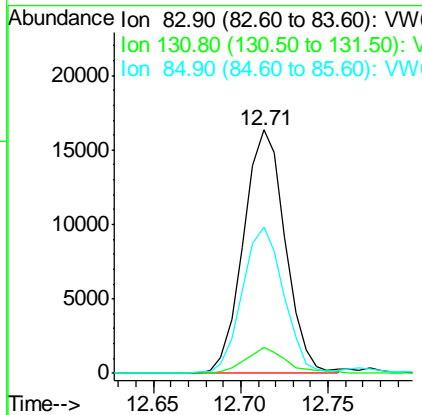
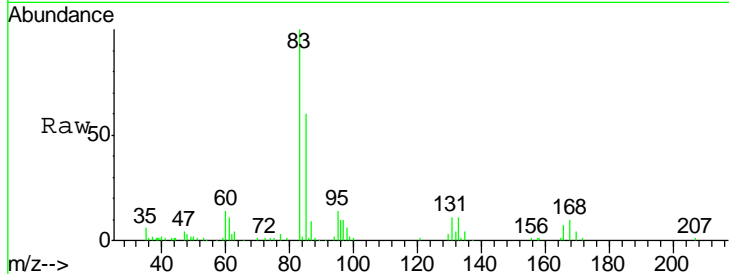
#75
 1,1,2,2-Tetrachloroethane
 Concen: 11.186 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
83	27148		
83	100		
131	10.5	5.4	16.2
85	59.3	31.9	95.9

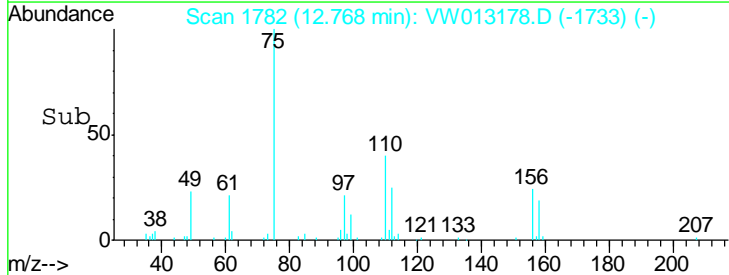
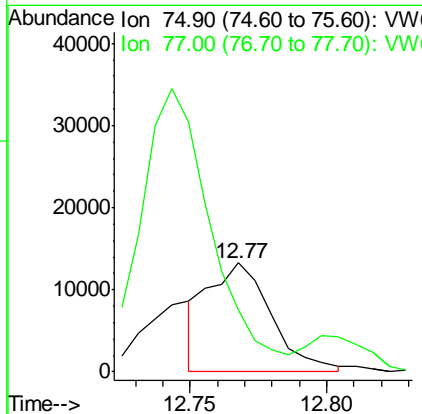
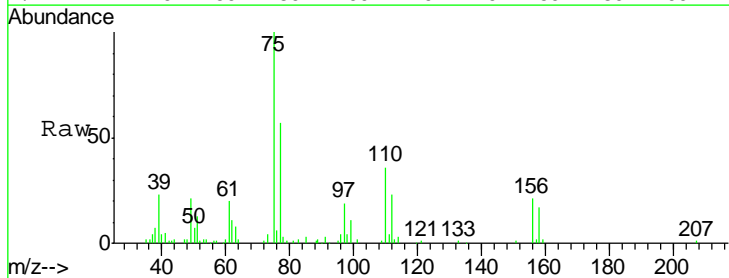
Manual Integrations
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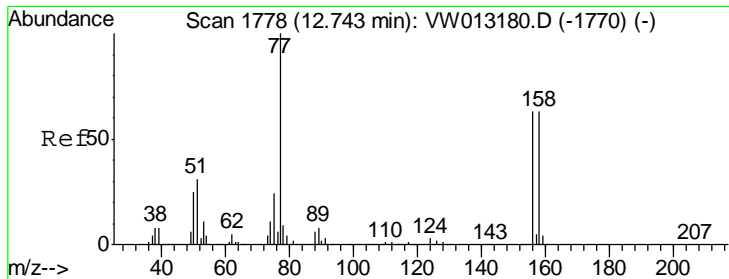
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#76
 1,2,3-Trichloropropane
 Concen: 11.775 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
75	21418		
75	100		
77	0.0	0.0	0.0





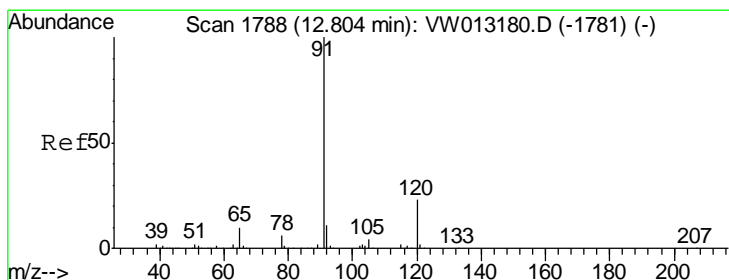
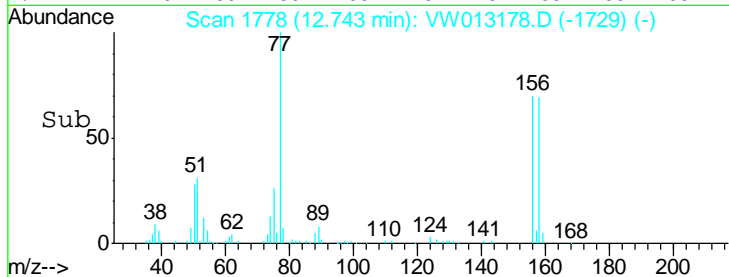
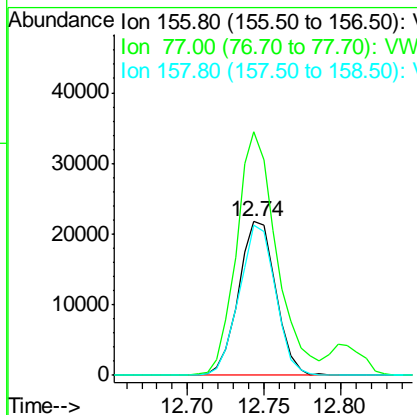
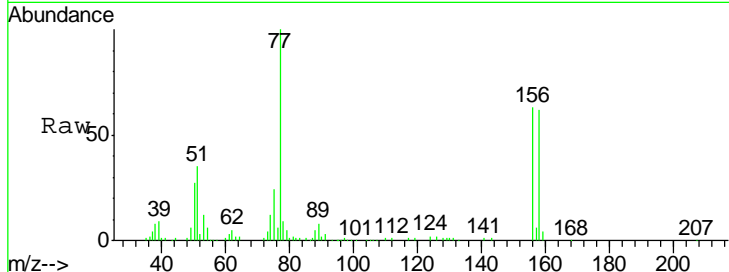
#77
 Bromobenzene
 Concen: 11.239 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
156	36763		
77	170.6	85.7	257.1
158	95.2	48.1	144.4

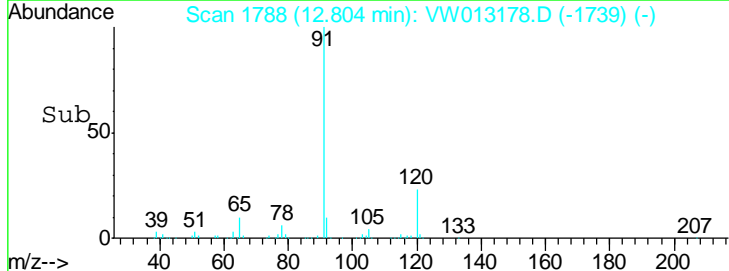
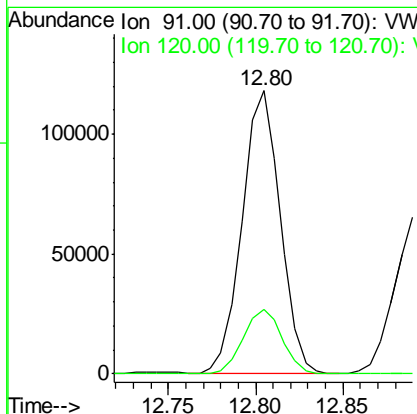
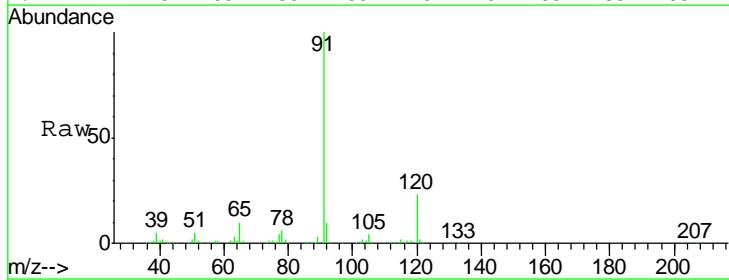
Manual Integrations
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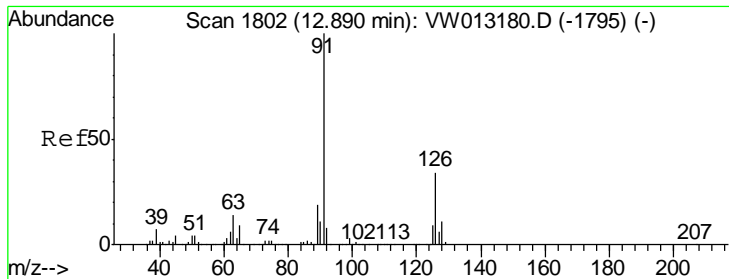
MMDadoda
 9/24/2019 5:28:42 AM



#78
 n-propylbenzene
 Concen: 10.863 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
91	179298		
120	23.3	11.7	35.1





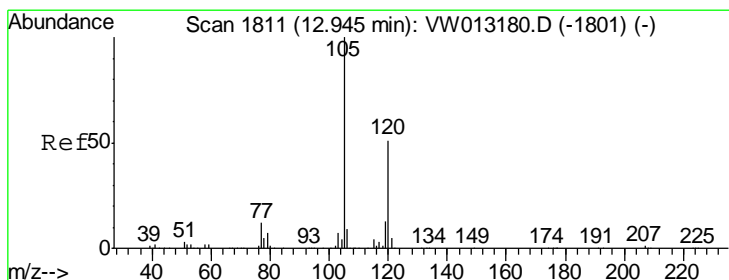
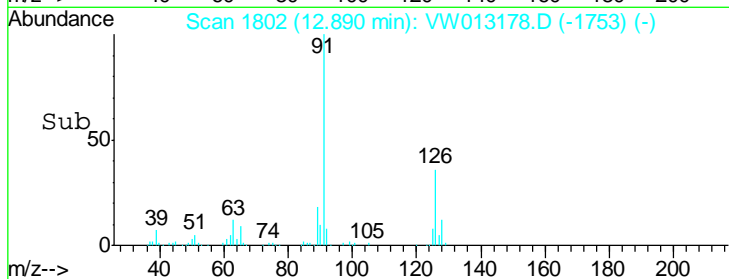
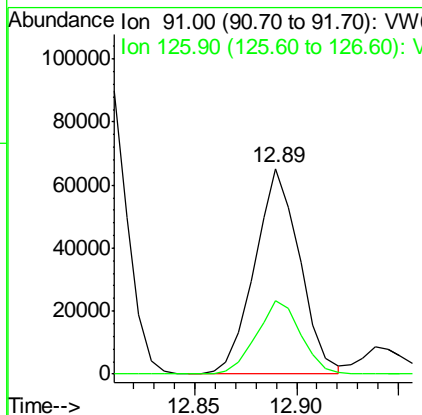
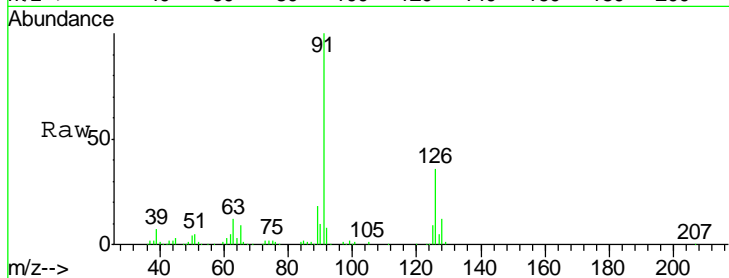
#79
 2-Chlorotoluene
 Concen: 10.571 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.3	17.2	51.5

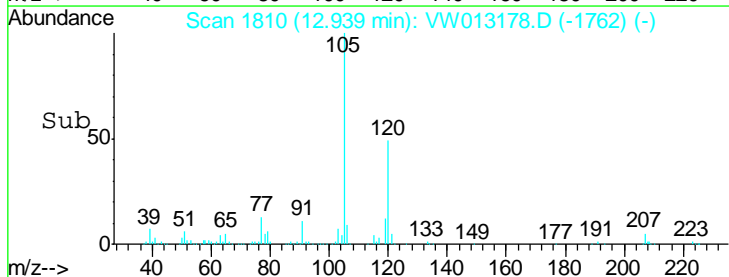
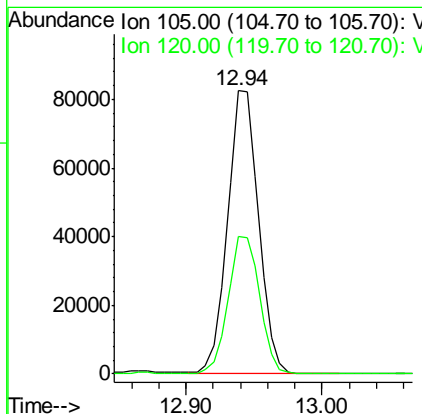
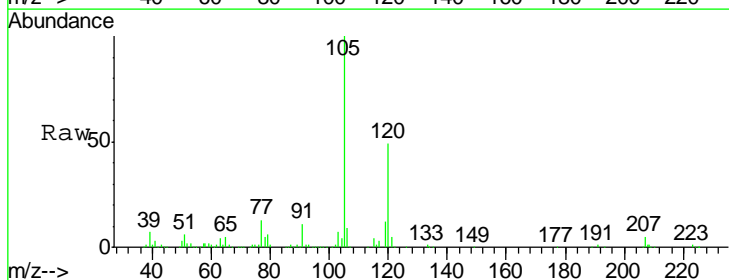
Manual Integrations
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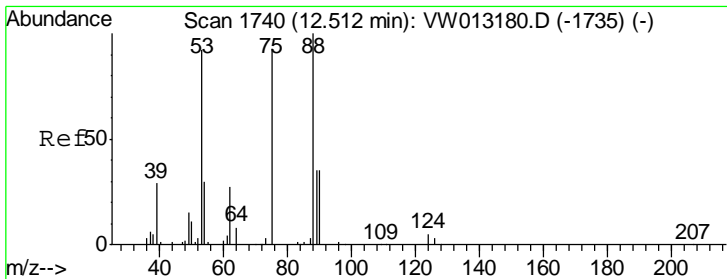
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#80
 1,3,5-Trimethylbenzene
 Concen: 11.002 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.3	24.9	74.8





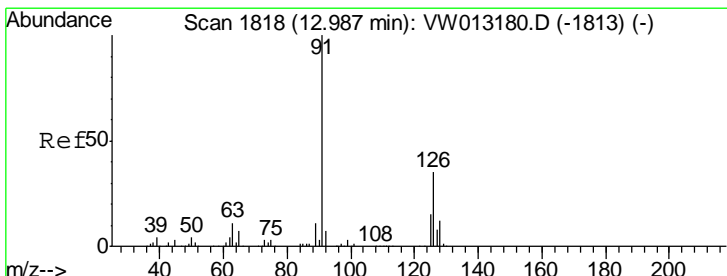
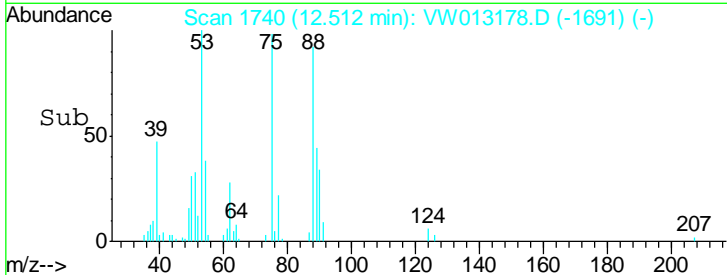
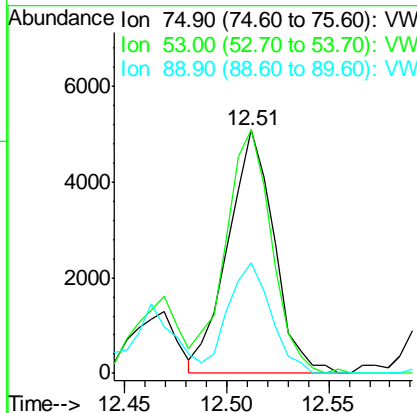
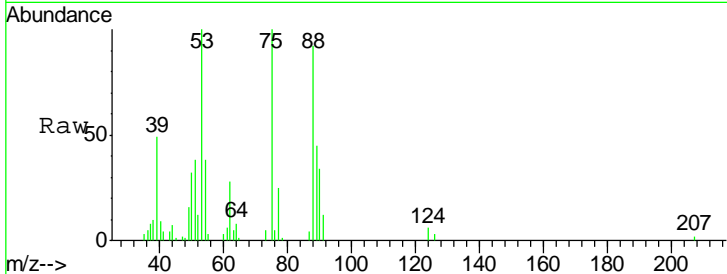
#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.901 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
75	7959		
75	100		
53	101.3	76.6	114.8
89	42.2	33.5	50.3

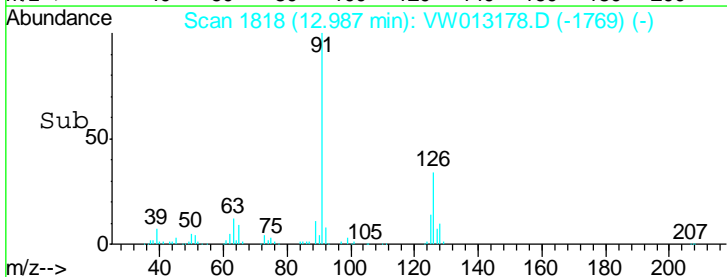
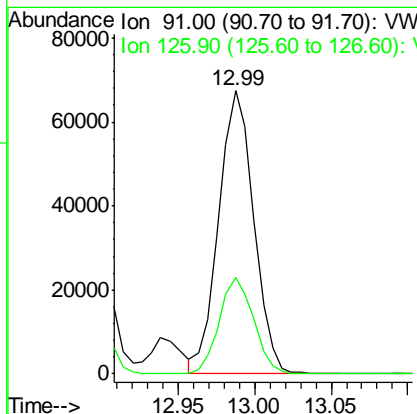
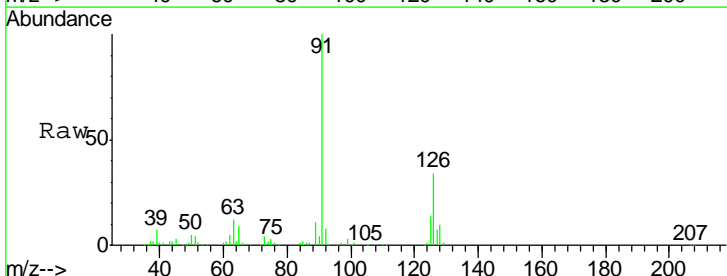
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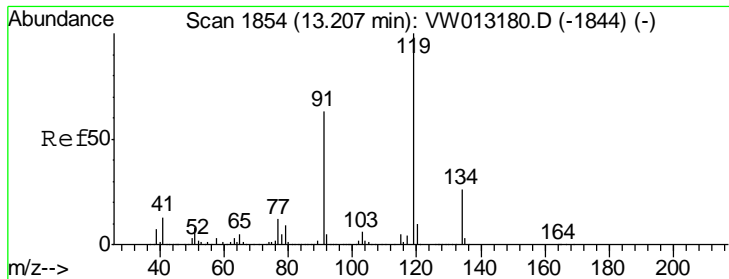
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#82
 4-Chlorotoluene
 Concen: 10.747 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
91	106651		
91	100		
126	33.7	17.3	51.7





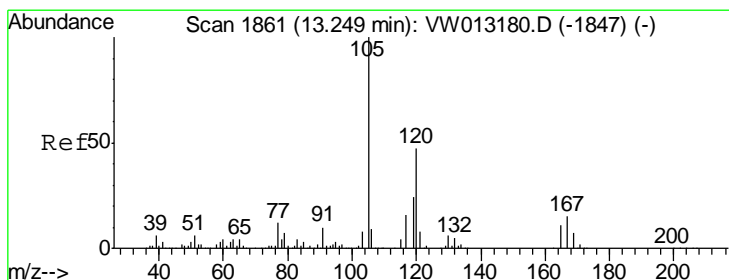
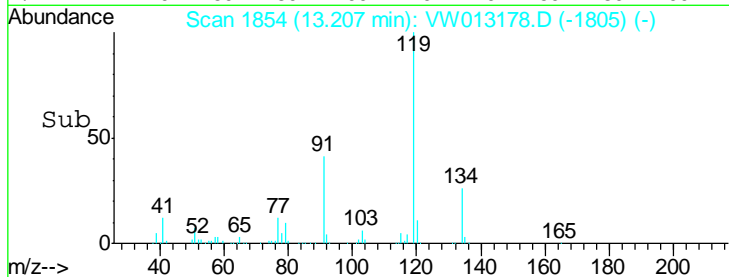
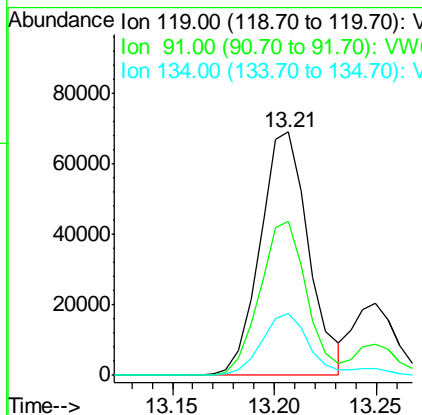
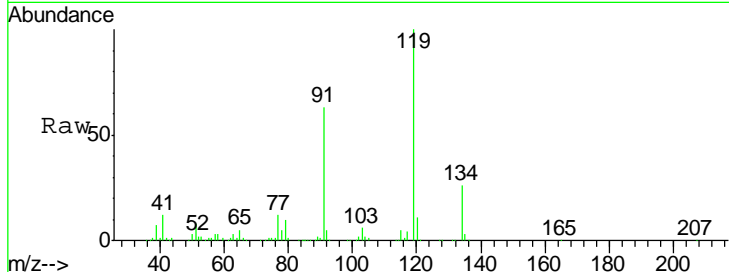
#83
 tert-Butylbenzene
 Concen: 10.835 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
119	114730		
91	60.9	30.7	92.1
134	24.8	12.6	37.6

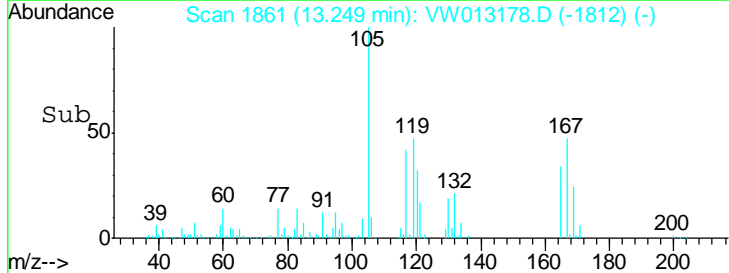
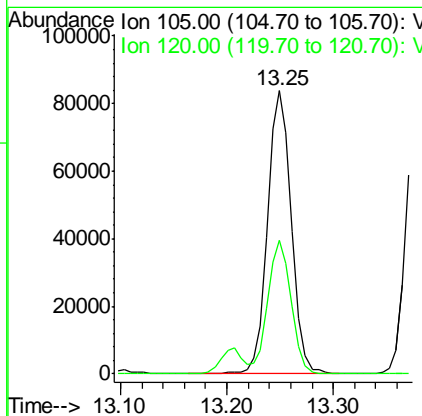
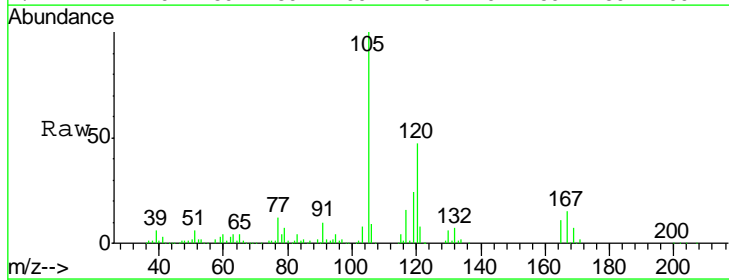
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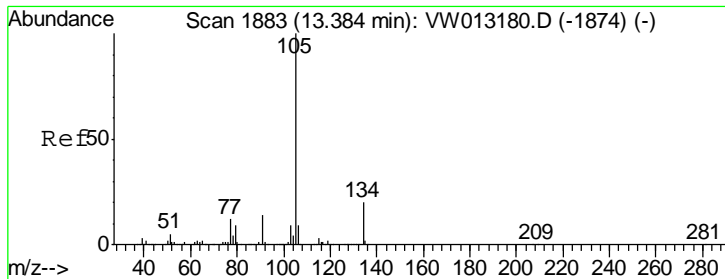
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#84
 1,2,4-Trimethylbenzene
 Concen: 11.142 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
105	130873		
120	46.6	23.4	70.3





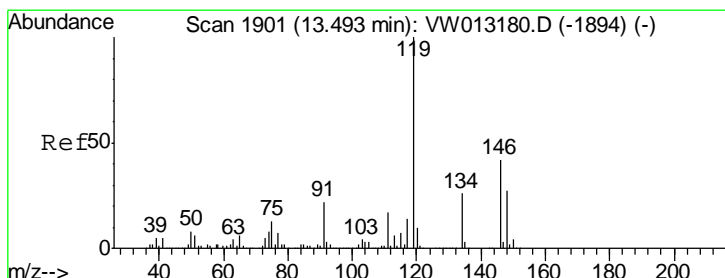
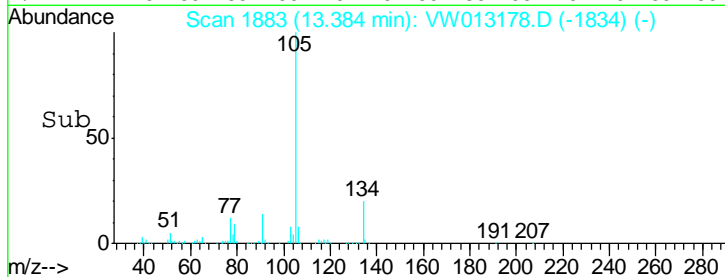
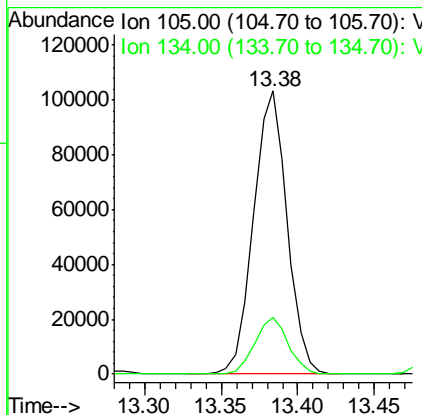
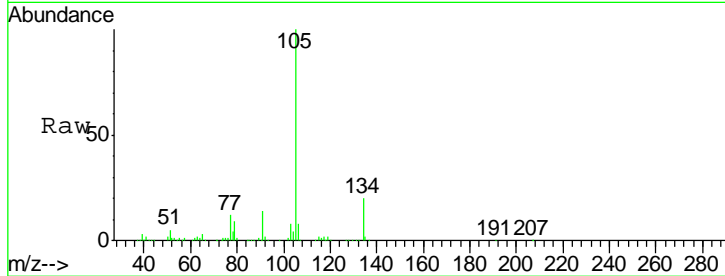
#85
 sec-Butylbenzene
 Concen: 10.843 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
105	156924		
134	20.1	10.3	30.8

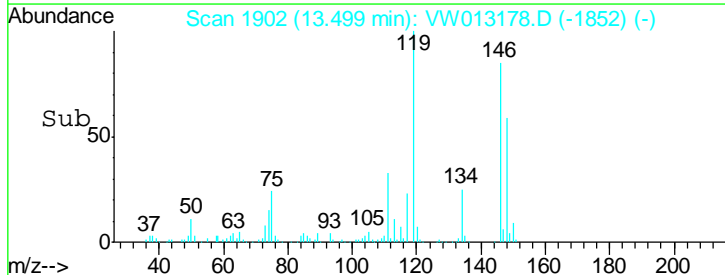
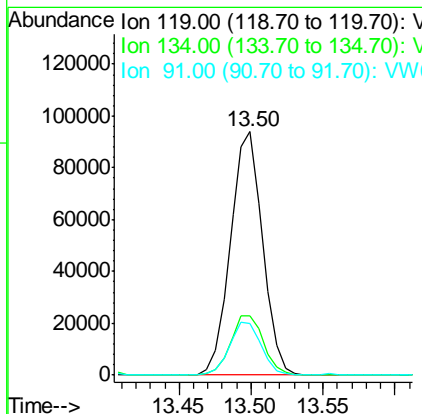
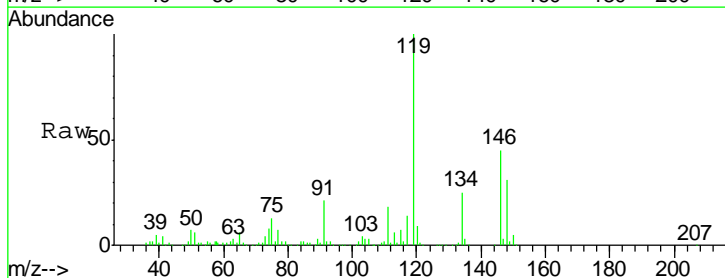
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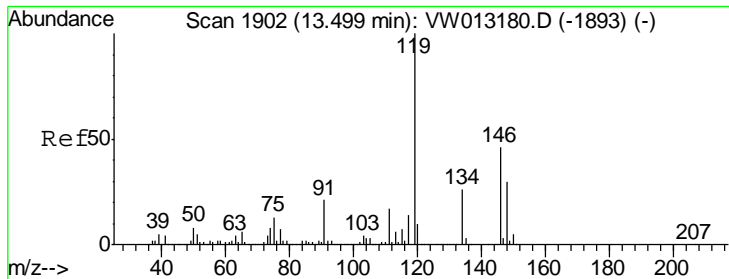
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#86
 p-Isopropyltoluene
 Concen: 10.939 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
119	145560		
134	25.5	13.3	39.8
91	21.7	10.8	32.4





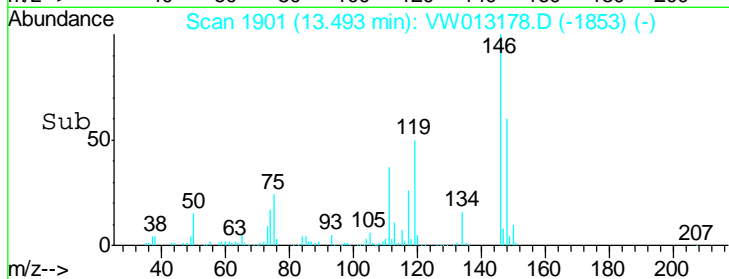
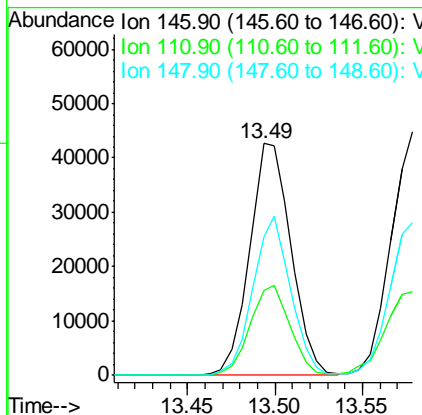
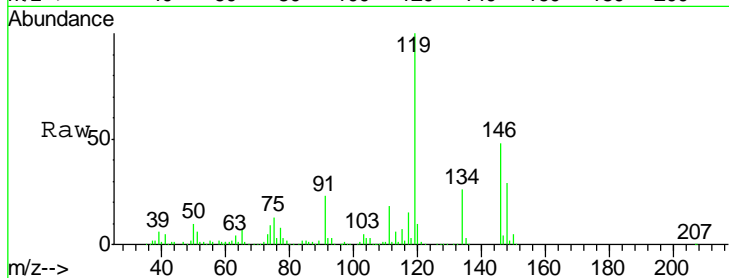
#87
 1,3-Dichlorobenzene
 Concen: 10.979 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
146	70517		
146	100		
111	37.3	18.9	56.9
148	62.7	31.9	95.5

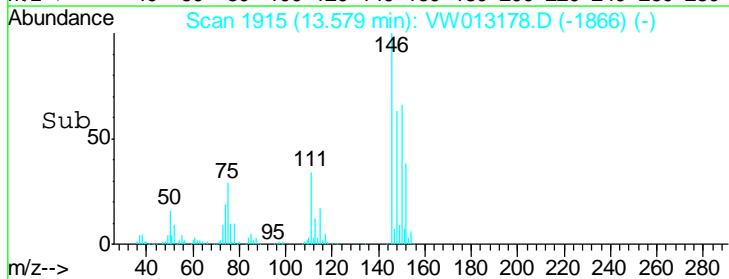
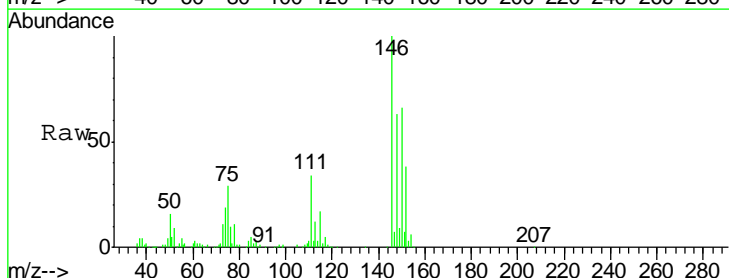
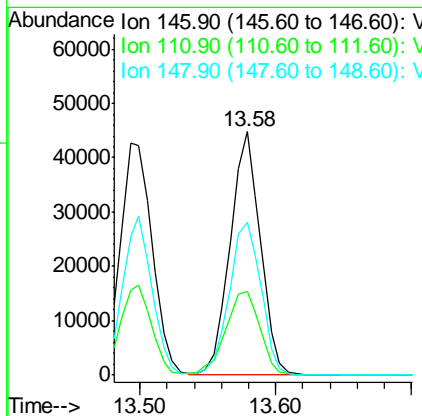
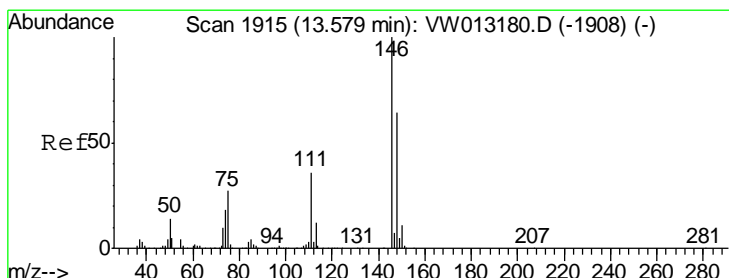
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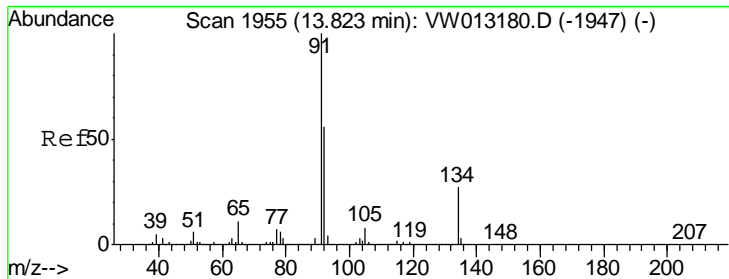
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#88
 1,4-Dichlorobenzene
 Concen: 10.938 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
146	68872		
146	100		
111	39.4	18.4	55.0
148	66.3	32.1	96.3





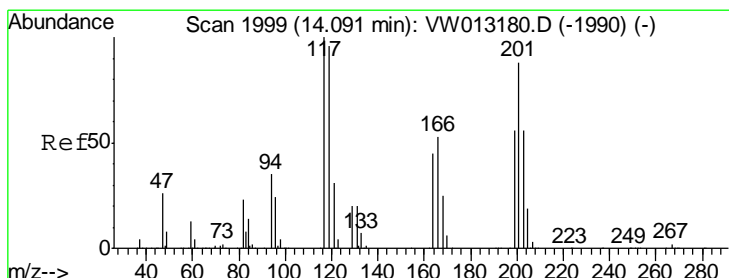
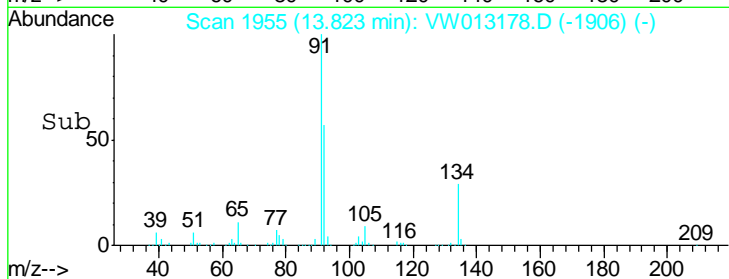
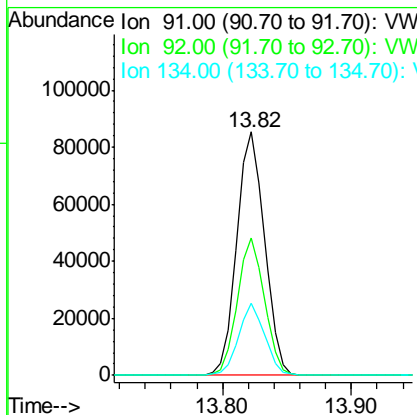
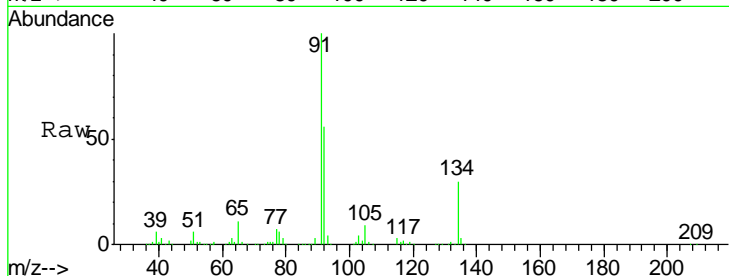
#89
 n-Butylbenzene
 Concen: 10.246 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	27.6	13.7	41.1

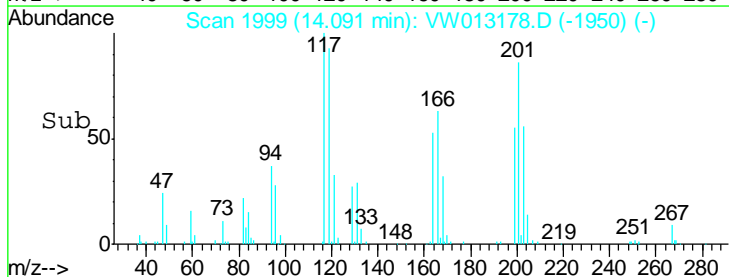
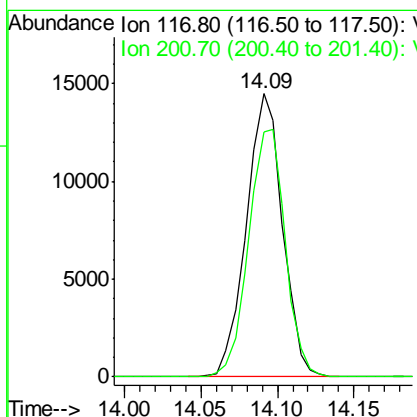
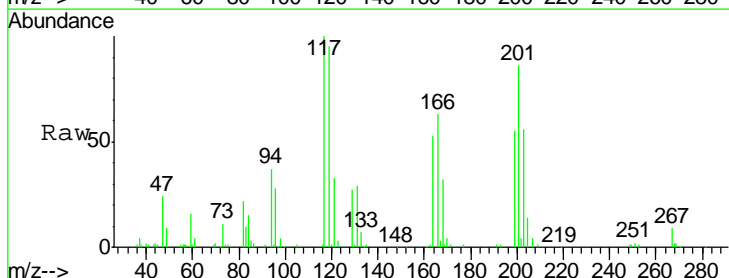
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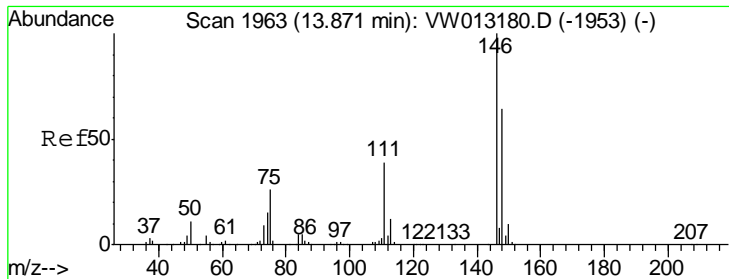
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#90
 Hexachloroethane
 Concen: 10.083 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
117	100		
201	88.3	44.5	133.5





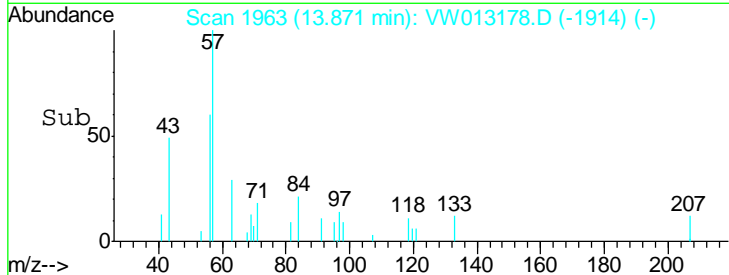
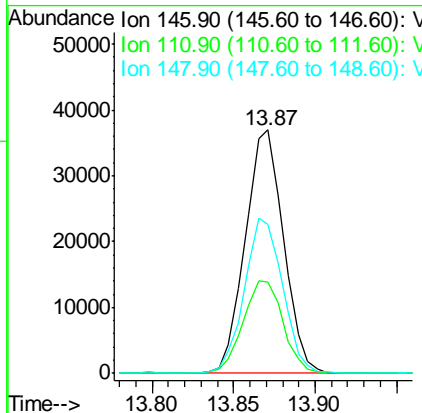
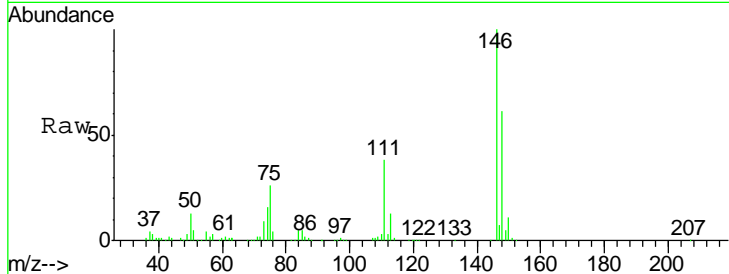
#91
 1,2-Dichlorobenzene
 Concen: 10.735 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
146	60476		
111	40.0	20.1	60.3
148	63.8	32.0	96.0

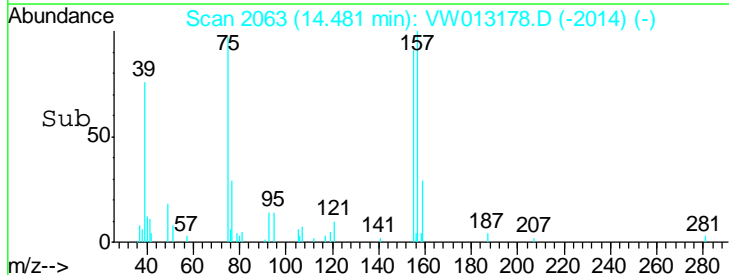
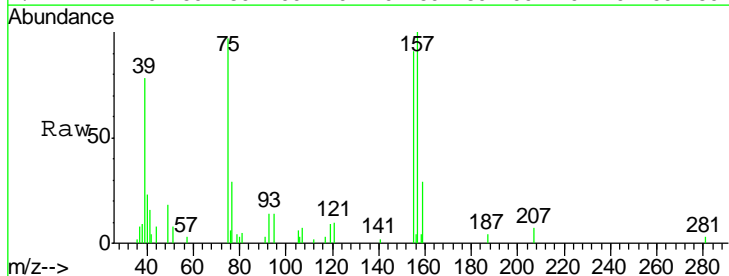
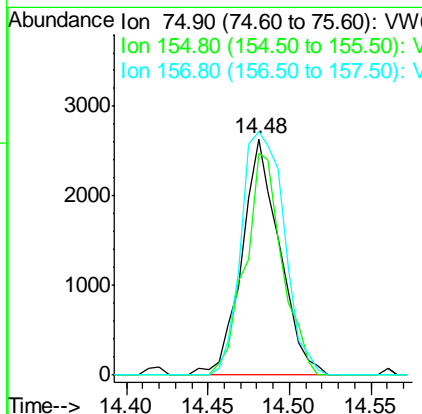
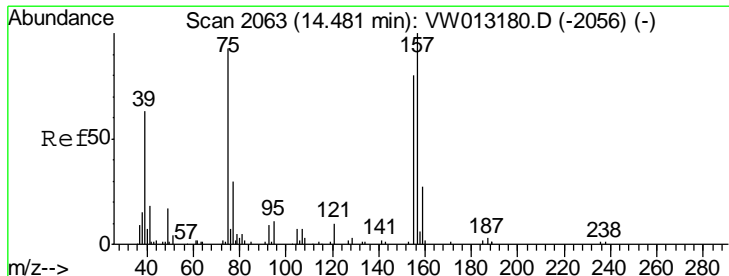
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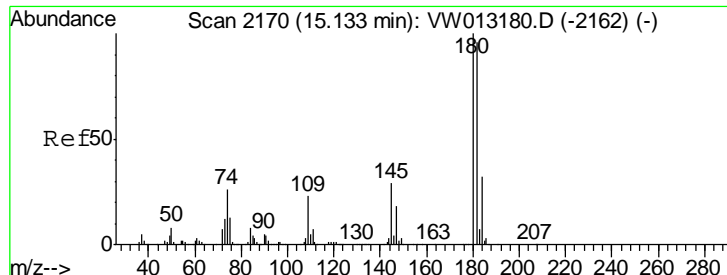
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.704 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
75	4236		
155	92.3	46.1	138.3
157	117.7	60.4	181.2





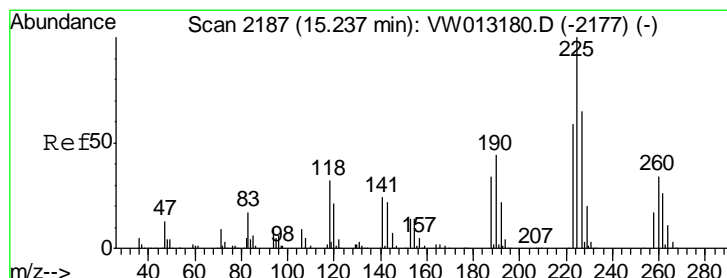
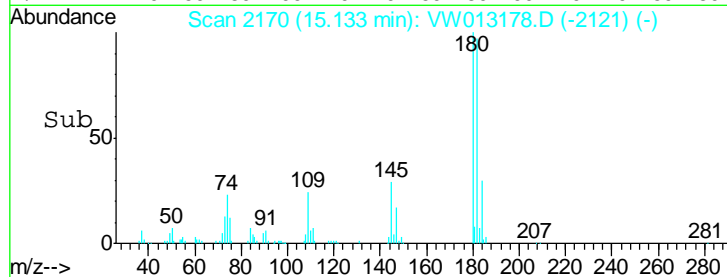
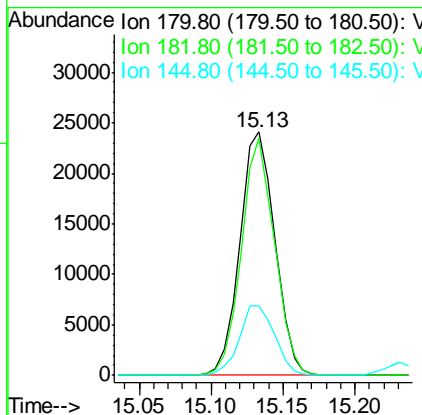
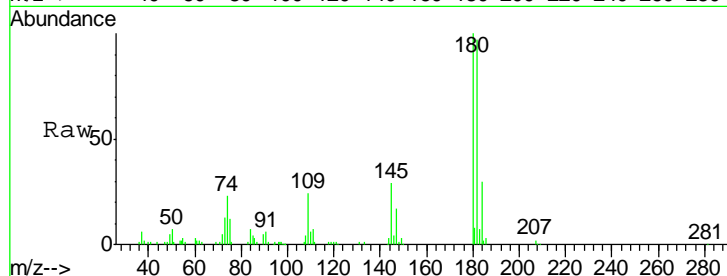
#93
 1,2,4-Trichlorobenzene
 Concen: 10.066 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
180	40521		
180	100		
182	92.5	47.3	142.0
145	29.1	14.2	42.8

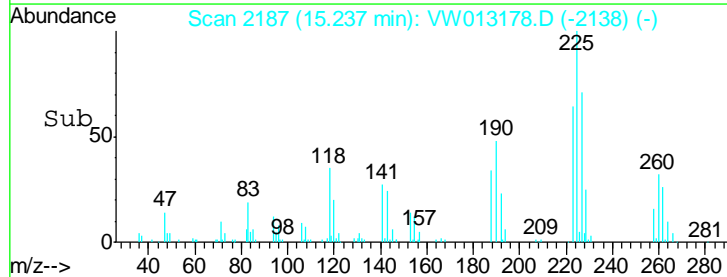
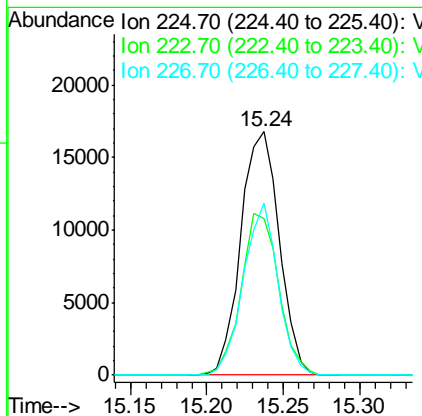
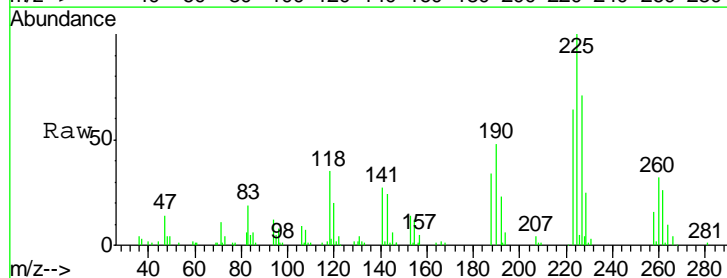
Manual Integrations
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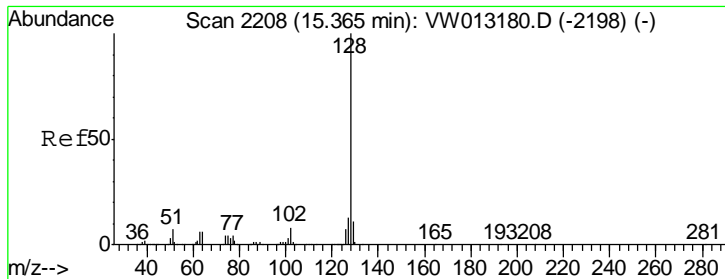
MMDadoda
 9/24/2019 5:28:42 AM



#94
 Hexachlorobutadiene
 Concen: 10.358 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
225	29370		
225	100		
223	65.0	30.6	91.8
227	63.3	31.9	95.9





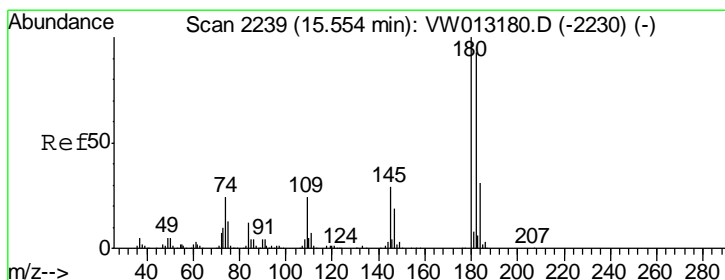
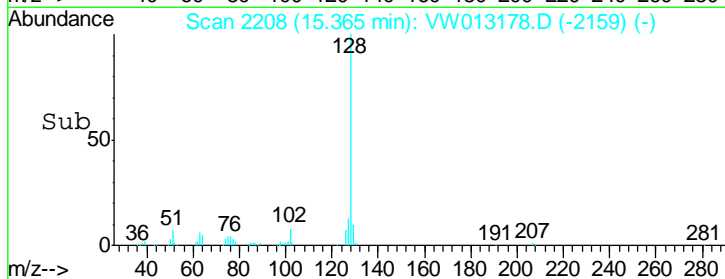
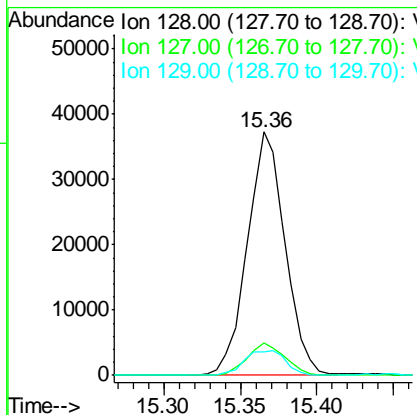
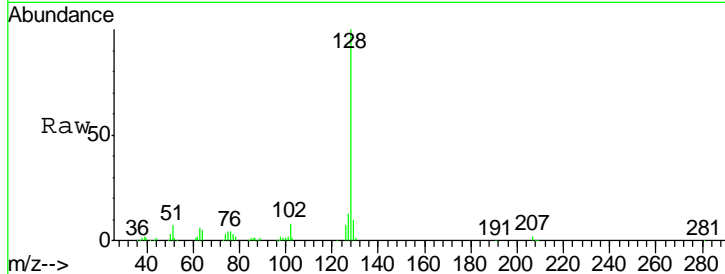
#95
 Naphthalene
 Concen: 9.581 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
128	63940		
127	13.5	10.6	15.8
129	11.1	8.7	13.1

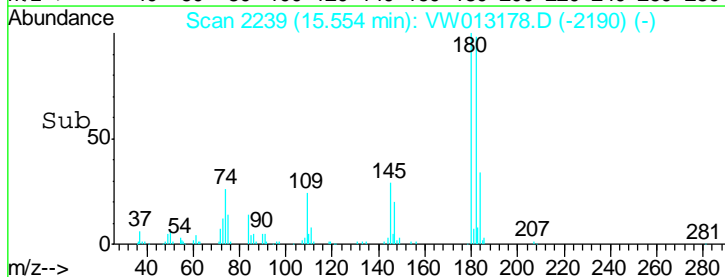
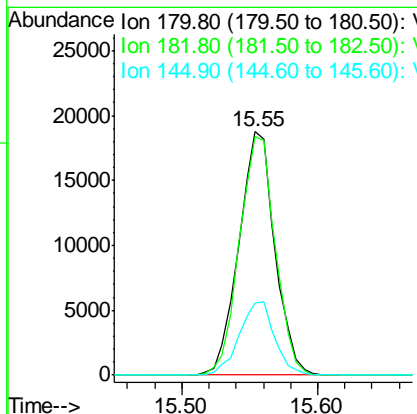
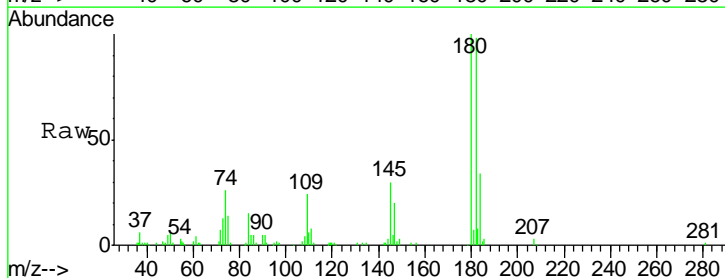
Manual Integrations
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 9/24/2019 5:28:42 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 9.737 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
180	34535		
182	97.7	47.9	143.7
145	29.6	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Manual Integrations
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MMDadoda
 9/24/2019 5:28:43 AM

Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	375940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	550978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	474695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	243609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56001	16.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.10%	
35) Dibromofluoromethane	7.88	113	55809	18.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.46%	
50) Toluene-d8	10.32	98	229613	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	
62) 4-Bromofluorobenzene	12.62	95	77531	18.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45001	26.445	ug/l	100
3) Chloromethane	2.21	50	54512	25.137	ug/l	100
4) Vinyl Chloride	2.36	62	70791	24.976	ug/l	98
5) Bromomethane	2.77	94	43592	24.789	ug/l	93
6) Chloroethane	2.92	64	40505	23.422	ug/l	92
7) Trichlorofluoromethane	3.25	101	38769	20.387	ug/l	87
8) Diethyl Ether	3.68	74	34183	22.492	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65597	22.321	ug/l	98
10) Methyl Iodide	4.27	142	101411	26.392	ug/l	100
11) Tert butyl alcohol	5.20	59	24307m	92.322	ug/l	
12) 1,1-Dichloroethene	4.03	96	68345	24.949	ug/l	97
13) Acrolein	3.90	56	17511	73.430	ug/l	89
14) Allyl chloride	4.67	41	106227	21.147	ug/l	99
15) Acrylonitrile	5.37	53	74636	99.750	ug/l	99
16) Acetone	4.13	43	61813	77.594	ug/l	97
17) Carbon Disulfide	4.38	76	193916	32.152	ug/l	100
18) Methyl Acetate	4.67	43	39082	19.866	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	103616	20.169	ug/l	95
20) Methylene Chloride	4.91	84	73153	21.676	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	72701	24.703	ug/l	99
22) Diisopropyl ether	6.31	45	205183	19.970	ug/l	96
23) Vinyl Acetate	6.25	43	608354	99.575	ug/l	99
24) 1,1-Dichloroethane	6.21	63	123845	20.693	ug/l	99
25) 2-Butanone	7.17	43	99744	92.259	ug/l	95
26) 2,2-Dichloropropane	7.16	77	80362	19.237	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	76575	22.232	ug/l	98
28) Bromochloromethane	7.51	49	42122	16.801	ug/l	98
29) Tetrahydrofuran	7.53	42	63013	100.931	ug/l	98
30) Chloroform	7.67	83	120711	20.085	ug/l	98
31) Cyclohexane	7.95	56	128317	24.144	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	98770	19.924	ug/l	99
36) 1,1-Dichloropropene	8.08	75	102716	22.610	ug/l	98
37) Ethyl Acetate	7.25	43	43158	18.673	ug/l	96
38) Carbon Tetrachloride	8.07	117	91219	20.032	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 9/24/2019 5:28:43 AM

Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	132947	25.672	ug/l	97
40) Benzene	8.32	78	287576	22.674	ug/l	99
41) Methacrylonitrile	7.48	41	25949	17.230	ug/l	98
42) 1,2-Dichloroethane	8.40	62	75503	18.467	ug/l	99
43) Isopropyl Acetate	8.42	43	81944	18.524	ug/l	99
44) Trichloroethene	9.09	130	79522	22.737	ug/l	100
45) 1,2-Dichloropropane	9.37	63	68682	20.761	ug/l	100
46) Dibromomethane	9.46	93	33516	21.095	ug/l	97
47) Bromodichloromethane	9.64	83	83720	19.112	ug/l	99
48) Methyl methacrylate	9.44	41	37803	18.168	ug/l	97
49) 1,4-Dioxane	9.46	88	9850	387.017	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	206652	90.863	ug/l	99
52) Toluene	10.38	92	182880	22.670	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87347	19.719	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	104987	20.528	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50595	20.975	ug/l	98
56) Ethyl methacrylate	10.65	69	66879	20.721	ug/l	99
57) 1,3-Dichloropropane	10.93	76	87381	20.476	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	147377	86.311	ug/l	100
59) 2-Hexanone	10.97	43	144238	91.561	ug/l	100
60) Dibromochloromethane	11.13	129	55842	19.382	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47935	21.715	ug/l	98
64) Tetrachloroethene	10.86	164	67677	22.941	ug/l	97
65) Chlorobenzene	11.66	112	191155	22.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	65363	20.072	ug/l	99
67) Ethyl Benzene	11.73	91	345536	21.656	ug/l	97
68) m/p-Xylenes	11.84	106	264729	45.023	ug/l	98
69) o-Xylene	12.16	106	122053	22.204	ug/l	97
70) Styrene	12.18	104	211379	21.700	ug/l	99
71) Bromoform	12.35	173	33576	19.735	ug/l #	99
73) Isopropylbenzene	12.46	105	342371	20.870	ug/l	99
74) N-amyl acetate	12.27	43	74826	18.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	56005	19.751	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36160m	17.015	ug/l	
77) Bromobenzene	12.74	156	79890	20.904	ug/l	97
78) n-propylbenzene	12.80	91	401866	20.839	ug/l	100
79) 2-Chlorotoluene	12.89	91	225685	20.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	287238	20.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18109	19.282	ug/l	99
82) 4-Chlorotoluene	12.99	91	239977	20.697	ug/l	99
83) tert-Butylbenzene	13.21	119	255592	20.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	291721	21.256	ug/l	99
85) sec-Butylbenzene	13.38	105	349690	20.681	ug/l	100
86) p-Isopropyltoluene	13.50	119	325198	20.916	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	157148	20.941	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	154029	20.937	ug/l	98
89) n-Butylbenzene	13.82	91	297577	20.403	ug/l	99
90) Hexachloroethane	14.09	117	53019	19.181	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	136372	20.719	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8779	17.212	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDICC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampled :
 VSTDICC020

Manual Integrations
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 9/24/2019 5:28:43 AM

Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	98504	20.943	ug/l	99
94) Hexachlorobutadiene	15.24	225	68253	20.602	ug/l	99
95) Naphthalene	15.36	128	159217	20.419	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	83920	20.251	ug/l	99

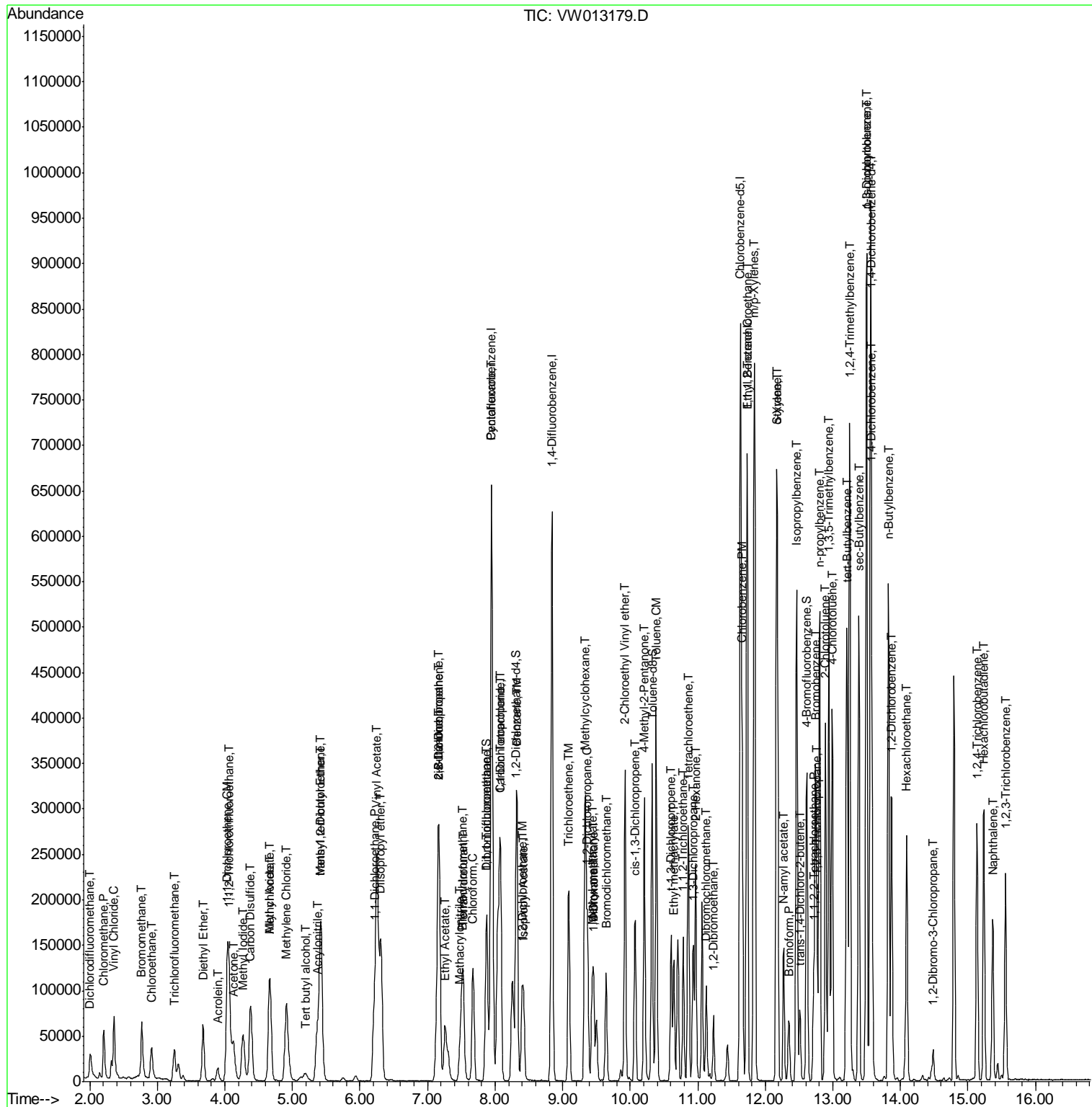
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

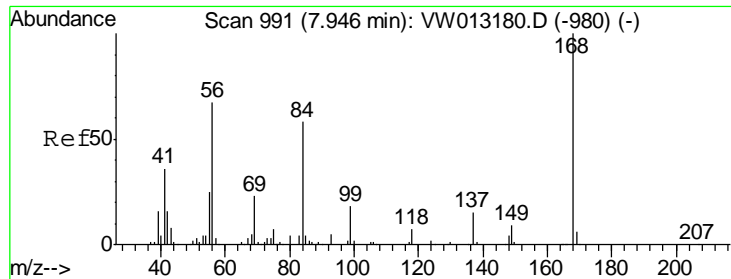
Instrument :
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 Client Sampled :
 VSTDIC020

Manual Integrations
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Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
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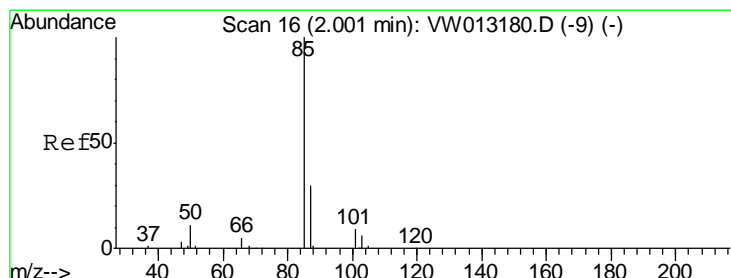
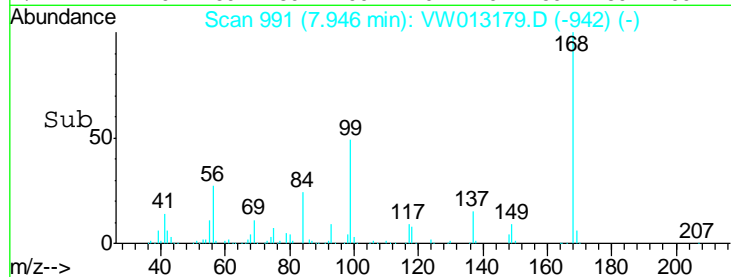
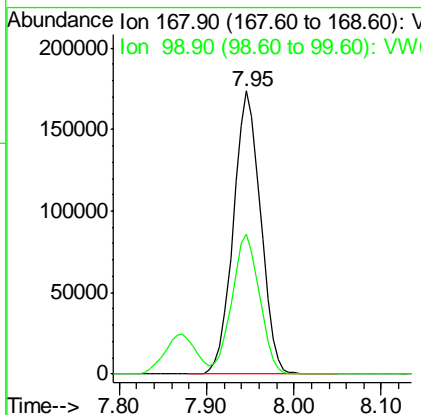
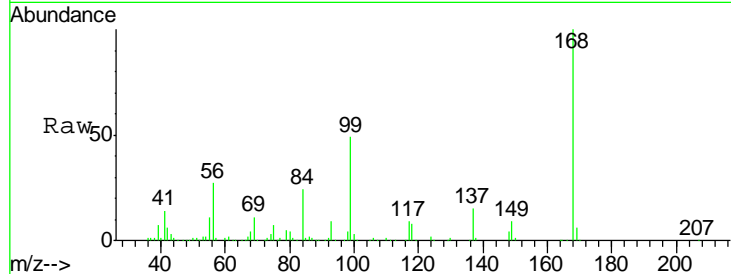
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.5	40.2	60.4

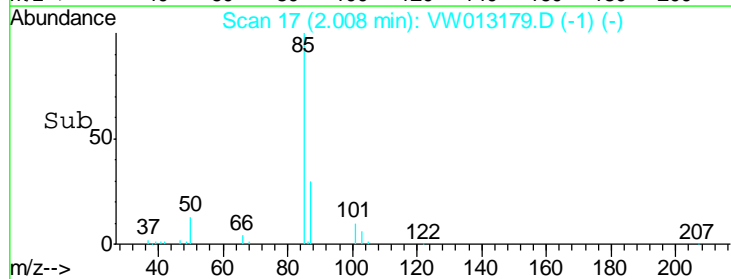
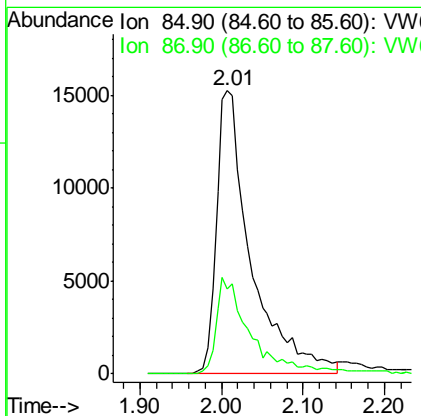
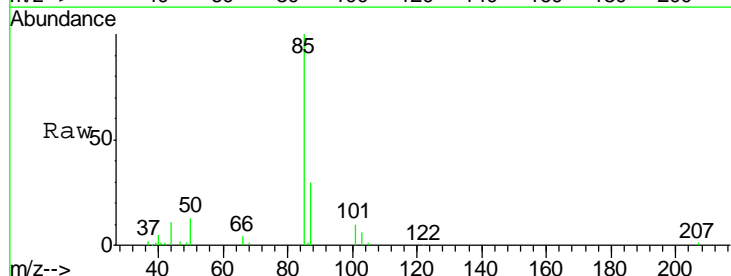
Manual Integrations
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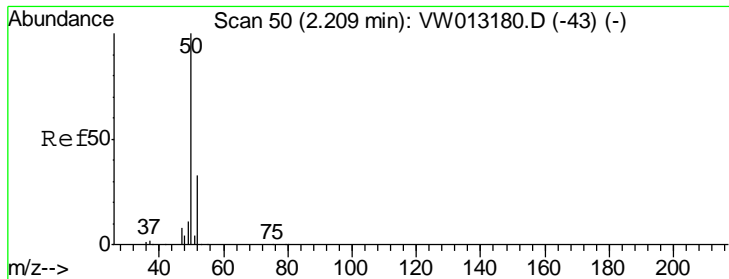
MMDadoda
 9/24/2019 5:28:43 AM



#2
 Dichlorodifluoromethane
 Concen: 26.445 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.2	15.1	45.3





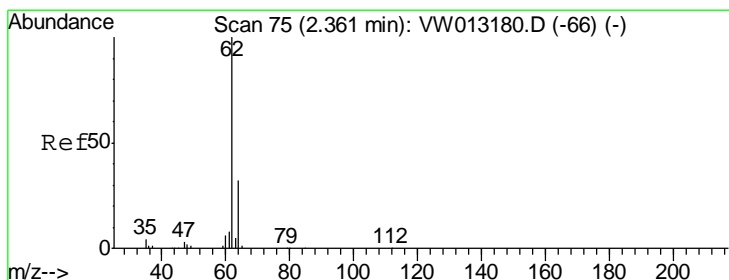
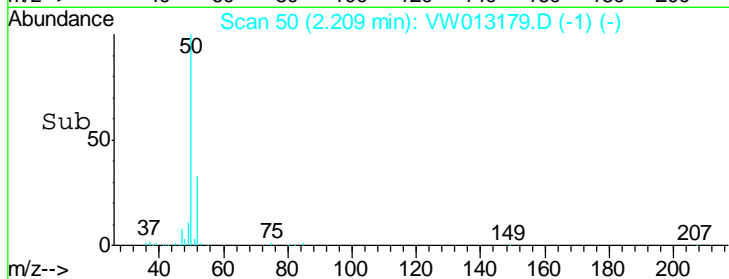
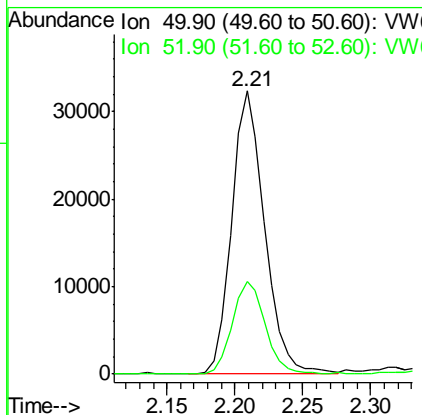
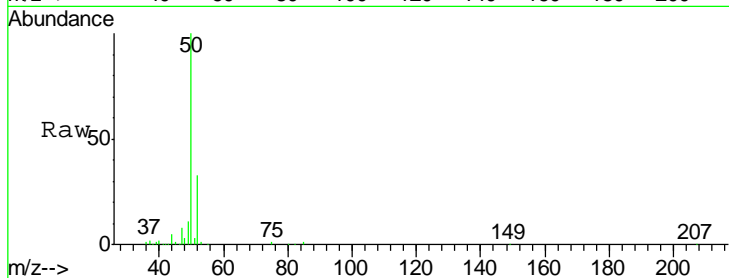
#3
 Chloromethane
 Concen: 25.137 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.6	26.1	39.1

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

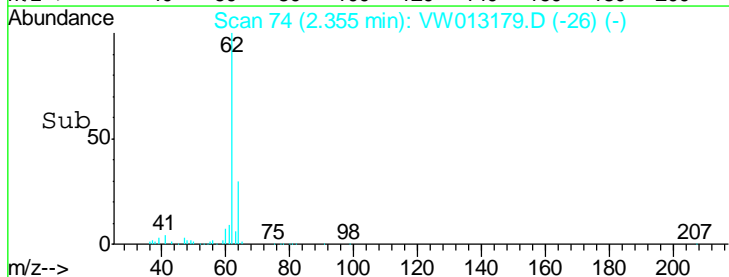
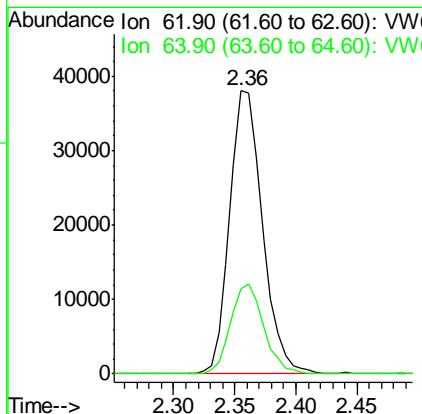
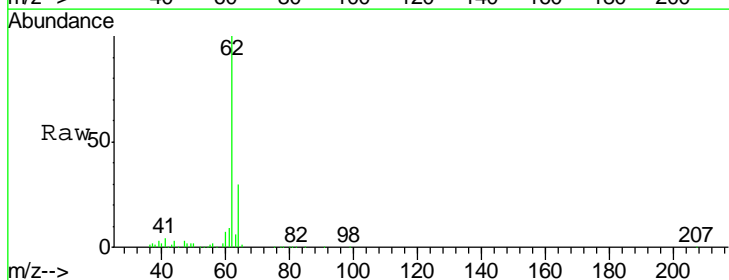
Manual Integrations
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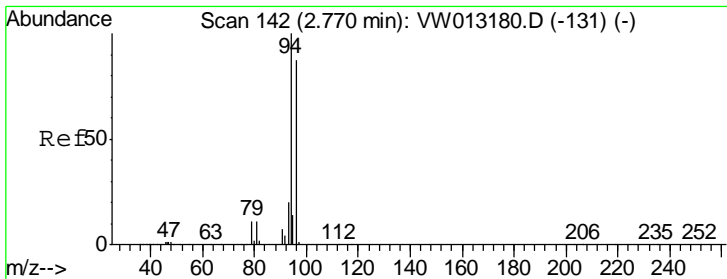
MMDadoda
 9/24/2019 5:28:43 AM



#4
 Vinyl Chloride
 Concen: 24.976 ug/l
 RT: 2.36 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
62	100		
64	30.2	25.3	37.9



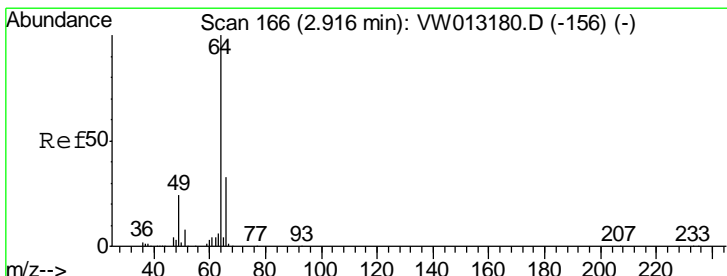
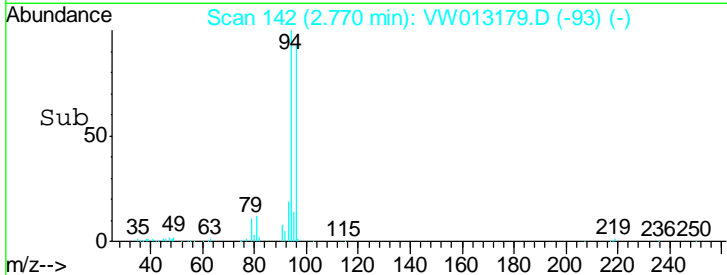
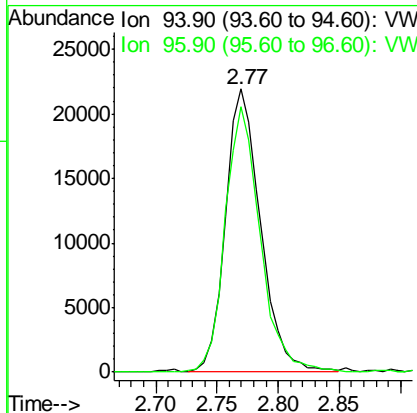
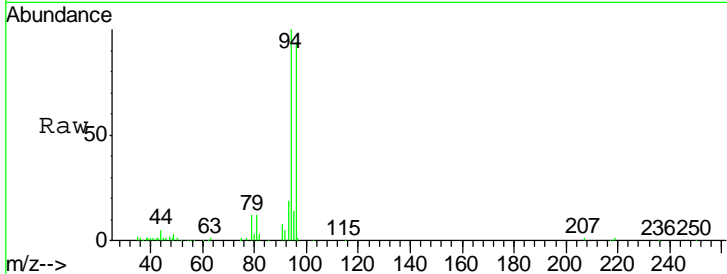


#5
 Bromomethane
 Concen: 24.789 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
94	43592		
94	100		
96	93.2	69.7	104.5

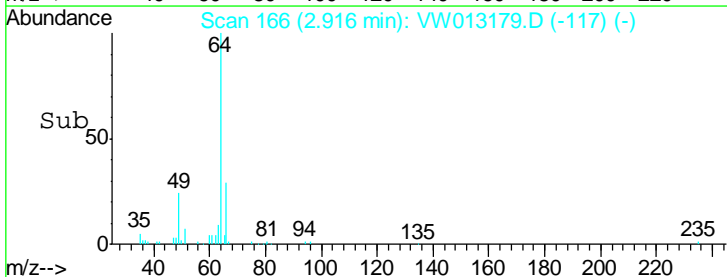
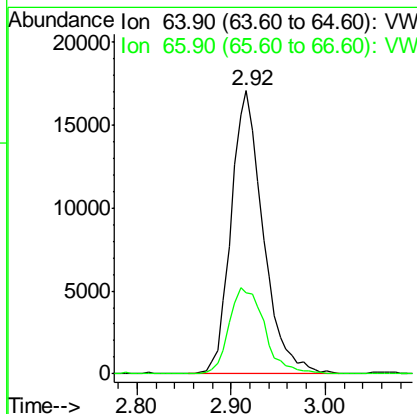
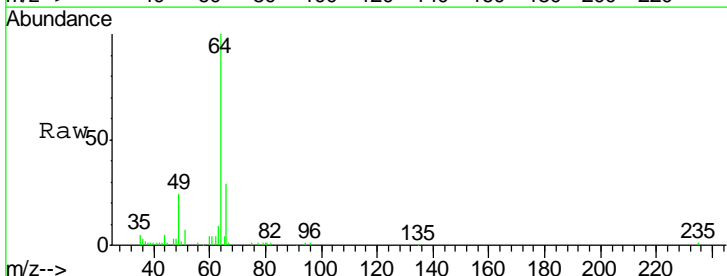
Instrument : MSVOA_W
 Client Sampled : VSTDIC020

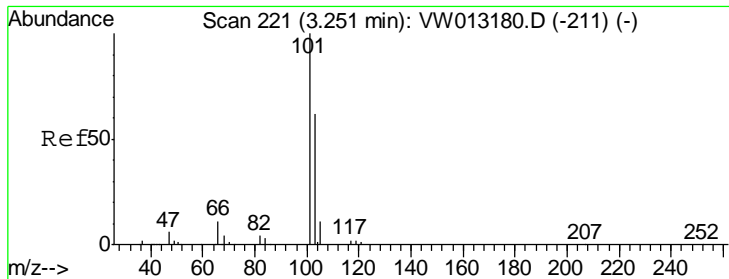
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:28:43 AM



#6
 Chloroethane
 Concen: 23.422 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
64	40505		
64	100		
66	28.6	26.6	39.8





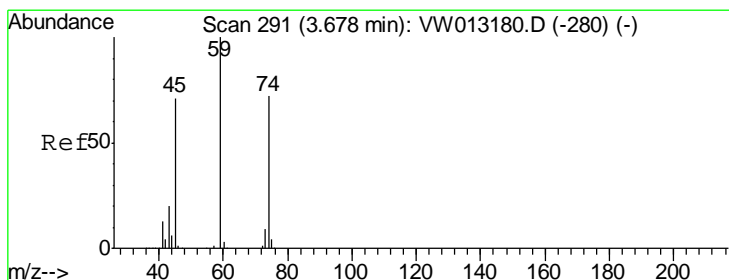
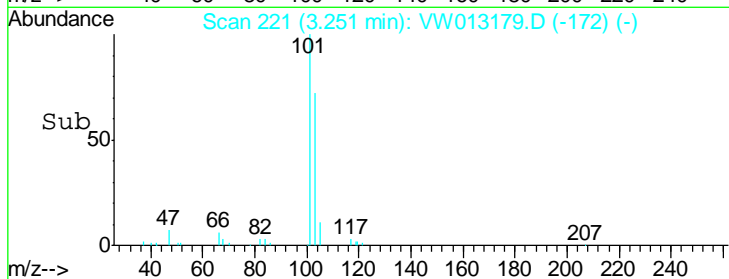
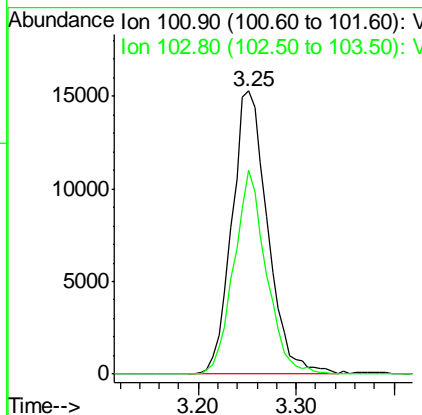
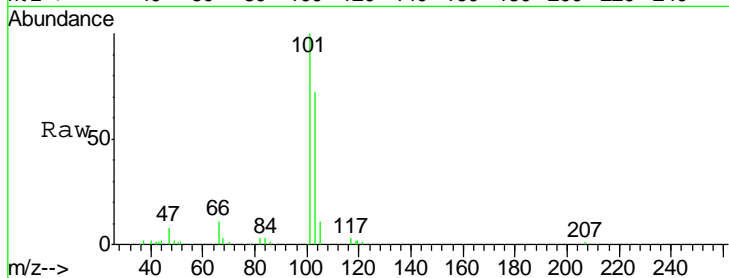
#7
 Trichlorofluoromethane
 Concen: 20.387 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	38769		
103	72.3	49.7	74.5

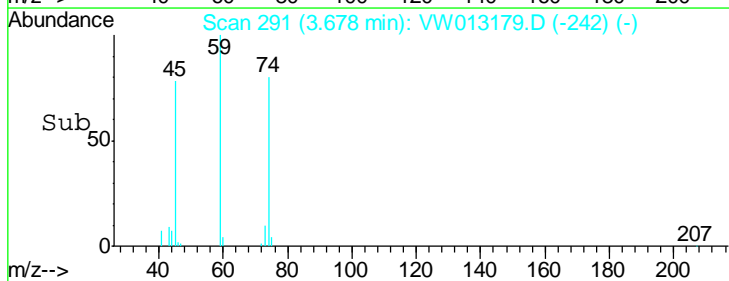
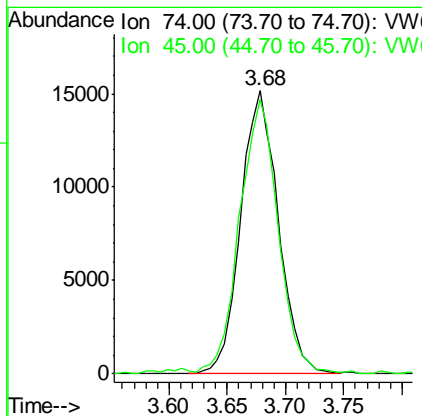
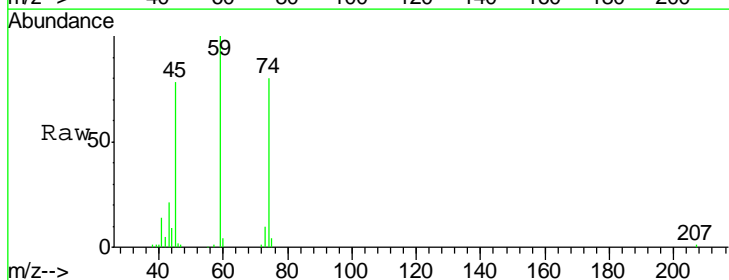
Manual Integrations
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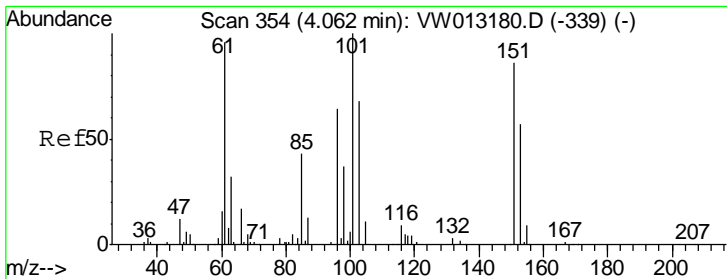
MMDadoda
 9/24/2019 5:28:43 AM



#8
 Diethyl Ether
 Concen: 22.492 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
74	34183		
45	99.5	49.5	148.7





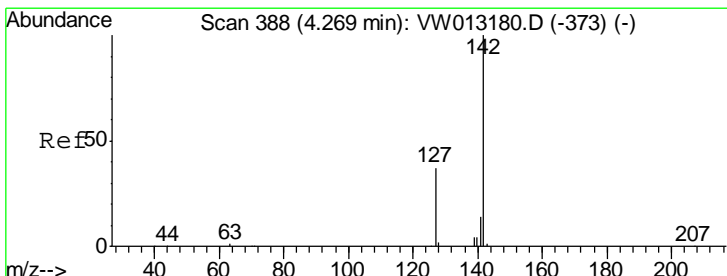
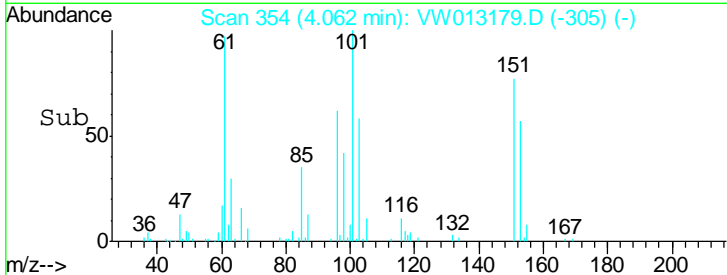
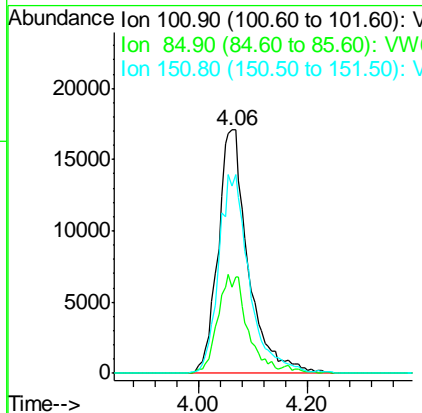
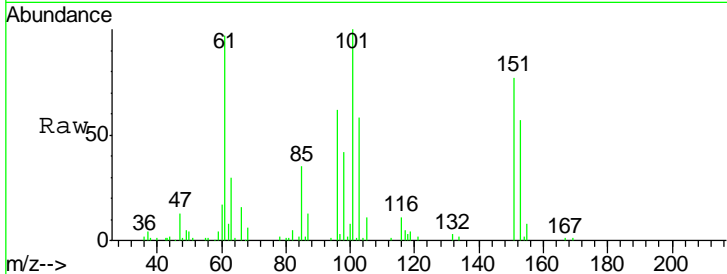
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.321 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	65597		
101	100		
85	39.4	33.4	50.0
151	83.1	66.9	100.3

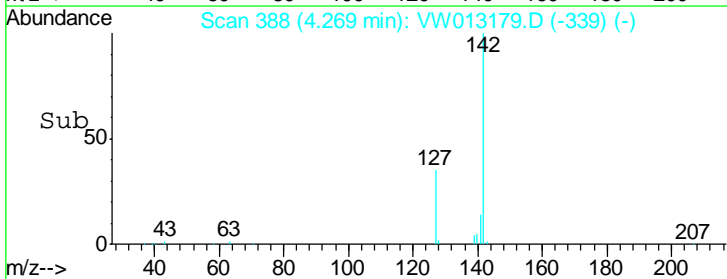
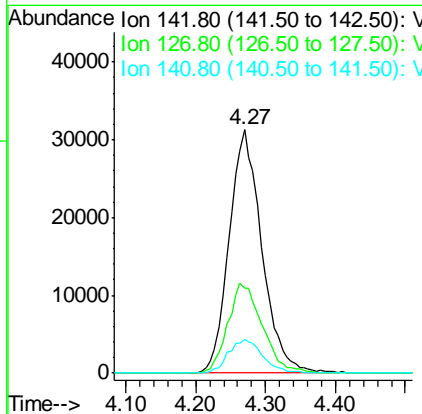
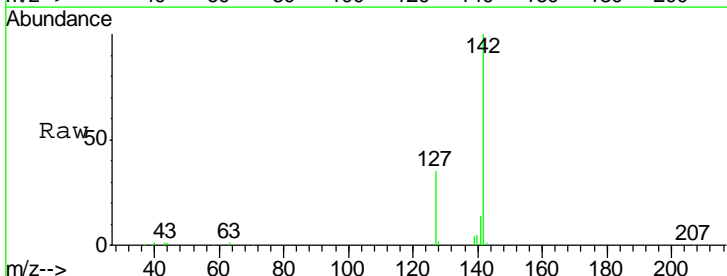
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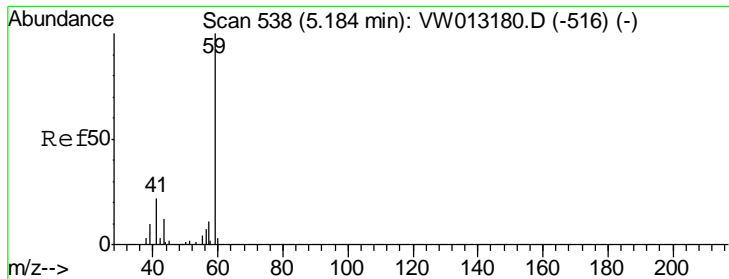
MMDadoda
 9/24/2019 5:28:43 AM



#10
 Methyl Iodide
 Concen: 26.392 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
142	101411		
142	100		
127	38.9	30.9	46.3
141	14.6	11.7	17.5





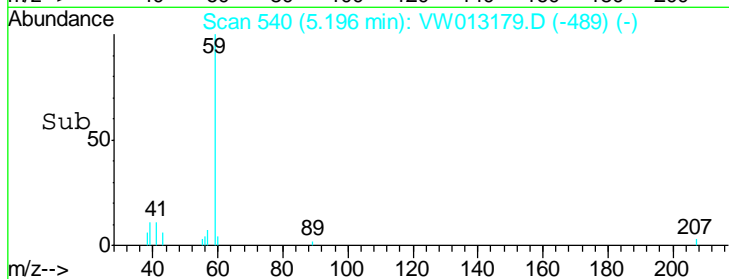
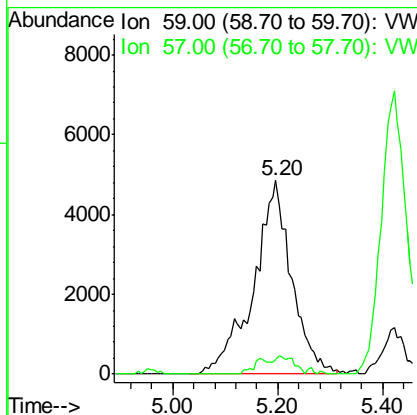
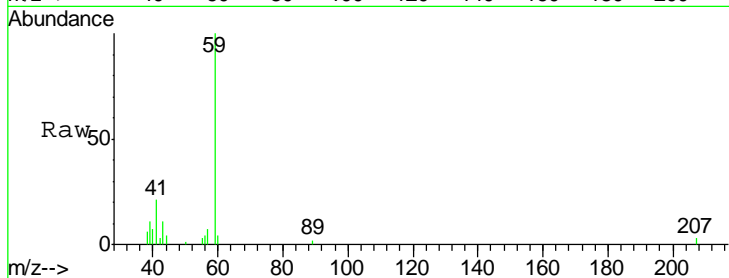
#11
 Tert butyl alcohol
 Concen: 92.322 ug/l m
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
59	24307		
57	4.5	8.2	12.2#

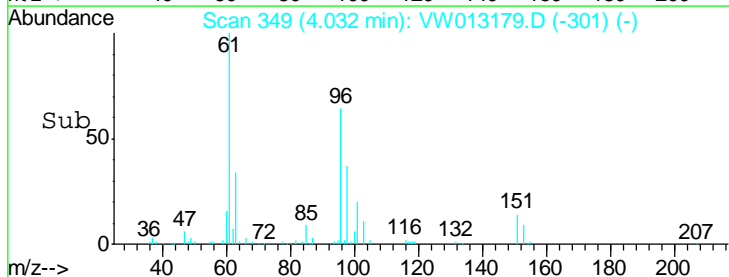
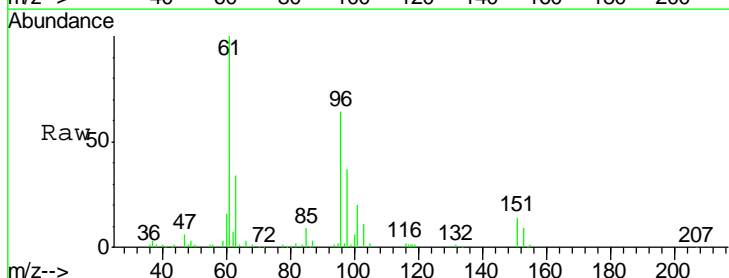
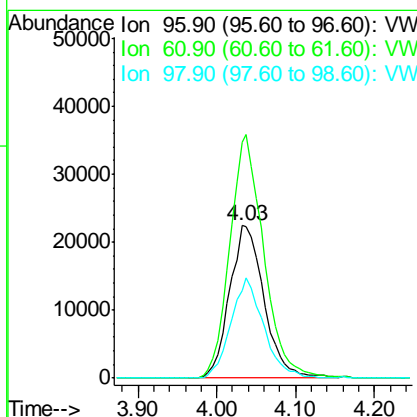
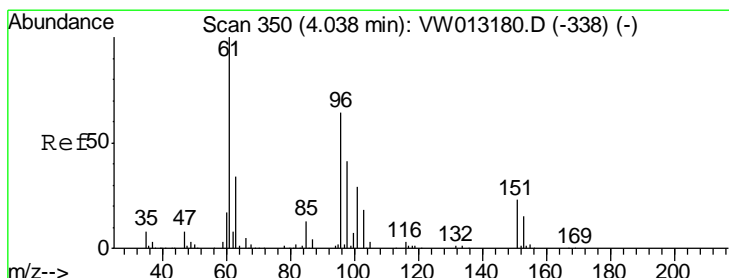
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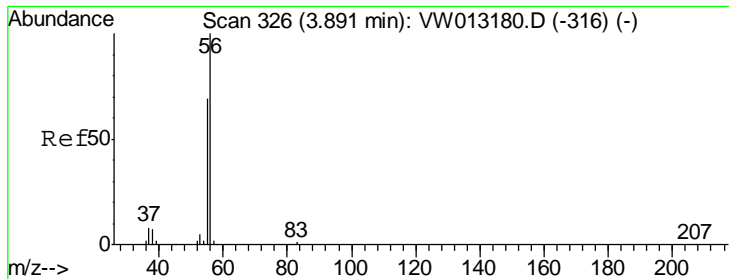
MMDadoda
 9/24/2019 5:28:43 AM



#12
 1,1-Dichloroethene
 Concen: 24.949 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
96	68345		
61	155.1	125.1	187.7
98	57.4	50.8	76.2





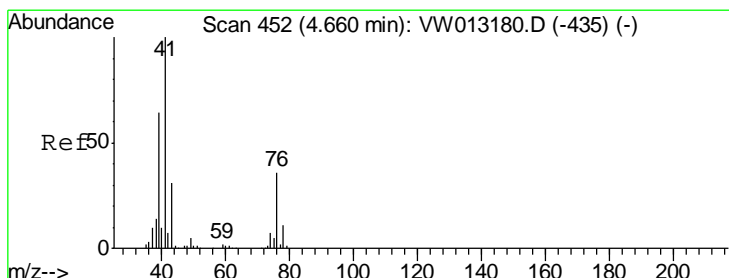
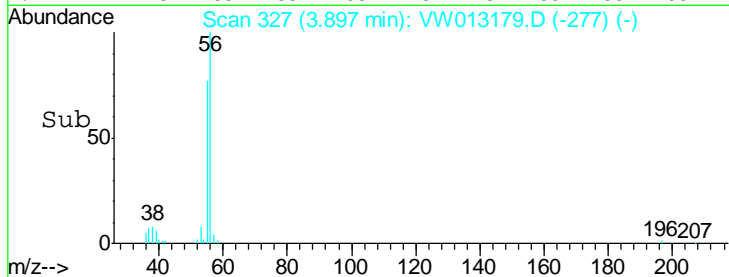
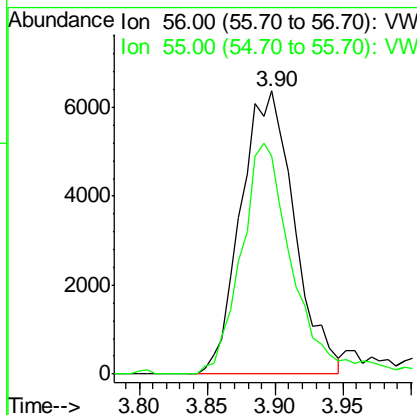
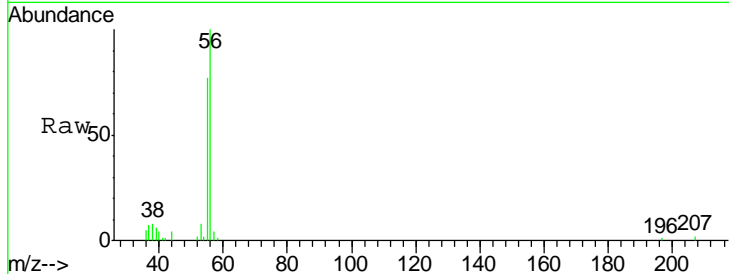
#13
 Acrolein
 Concen: 73.430 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	17511		
55	78.2	55.4	83.0

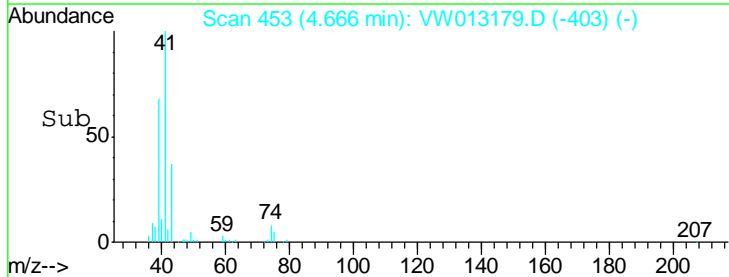
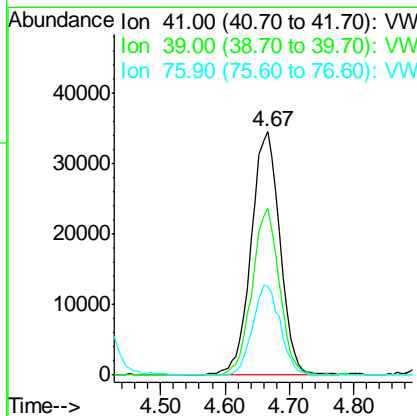
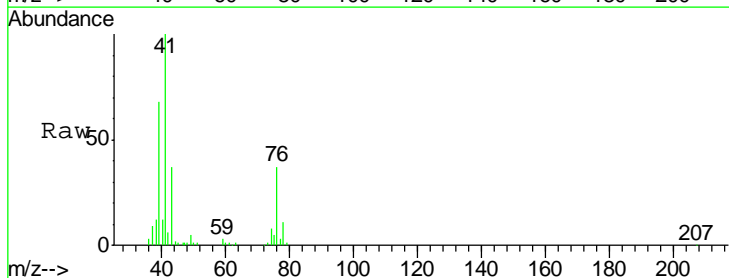
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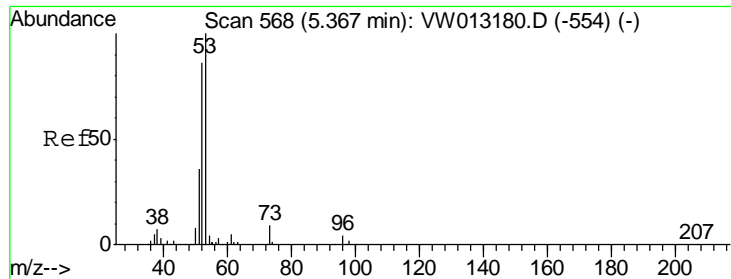
MMDadoda
 9/24/2019 5:28:43 AM



#14
 Allyl chloride
 Concen: 21.147 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
41	106227		
39	64.5	51.0	76.4
76	35.1	28.4	42.6





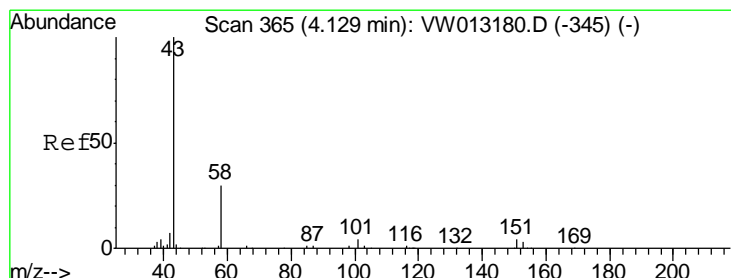
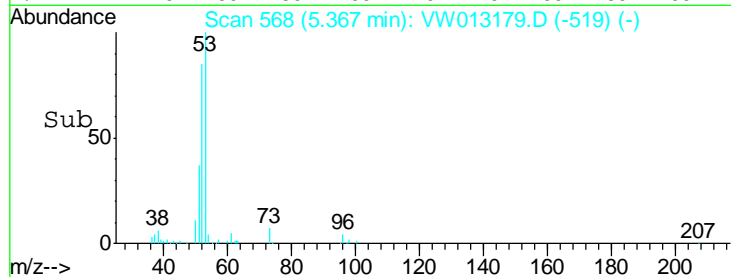
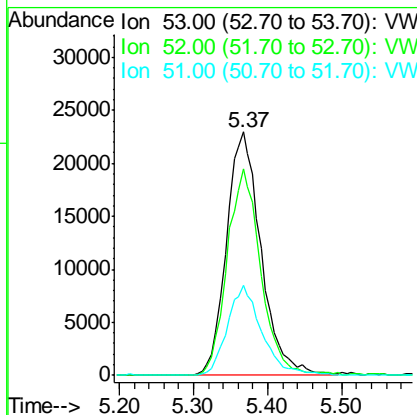
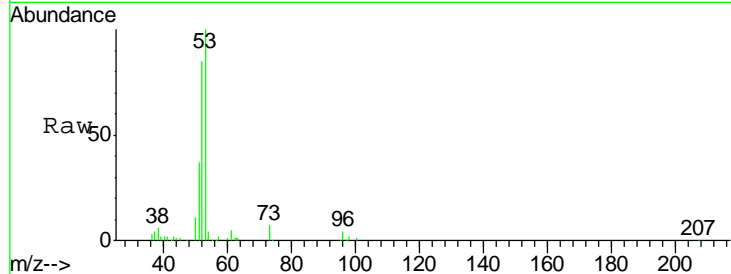
#15
 Acrylonitrile
 Concen: 99.750 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.8	65.3	97.9
51	36.7	29.0	43.4

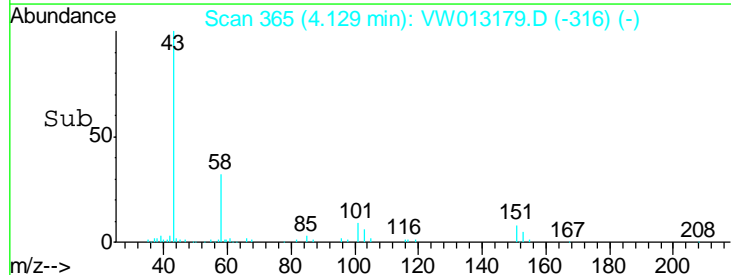
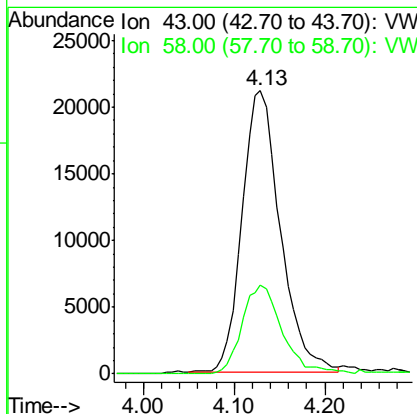
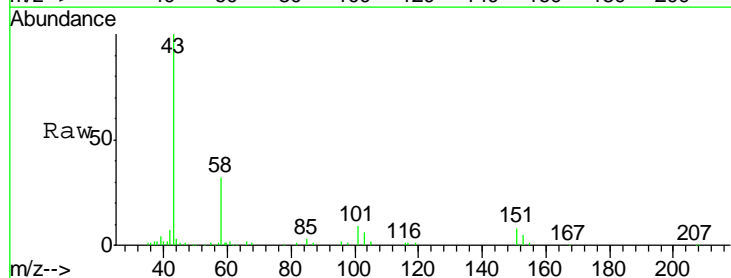
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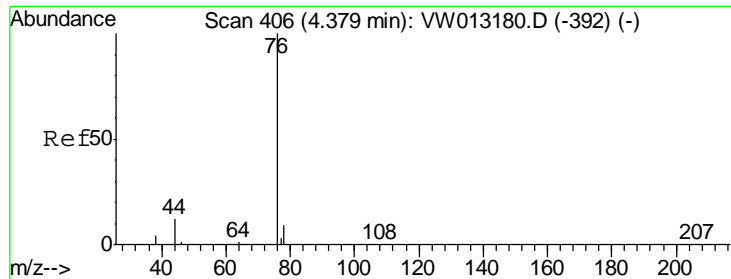
MMDadoda
 9/24/2019 5:28:43 AM



#16
 Acetone
 Concen: 77.594 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.8	24.1	36.1





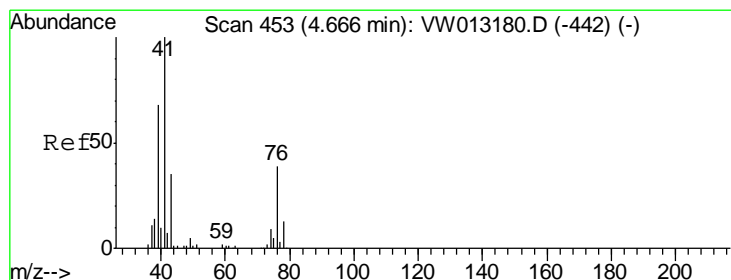
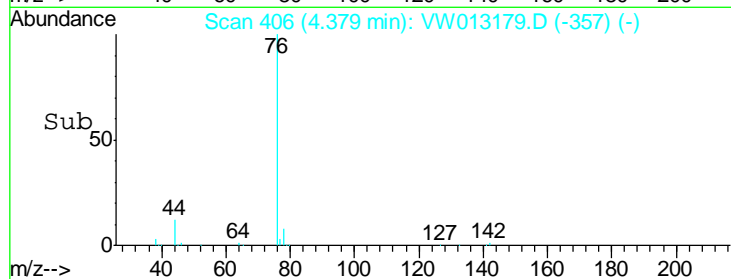
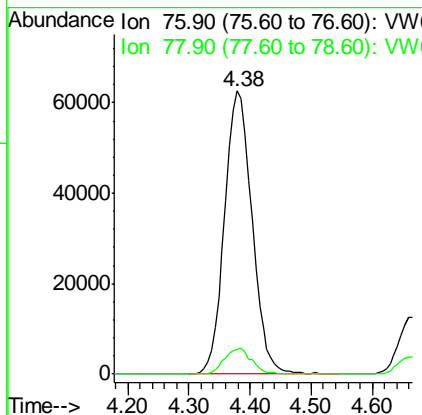
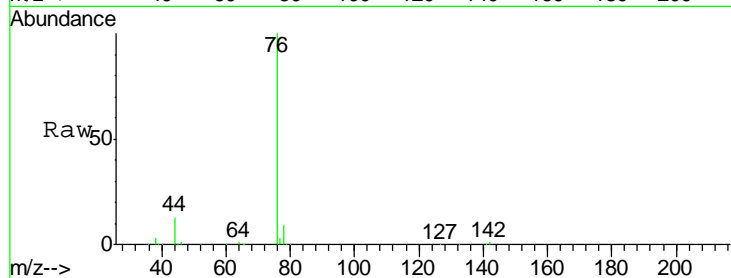
#17
 Carbon Disulfide
 Concen: 32.152 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	193916		
76	100		
78	8.6	7.0	10.4

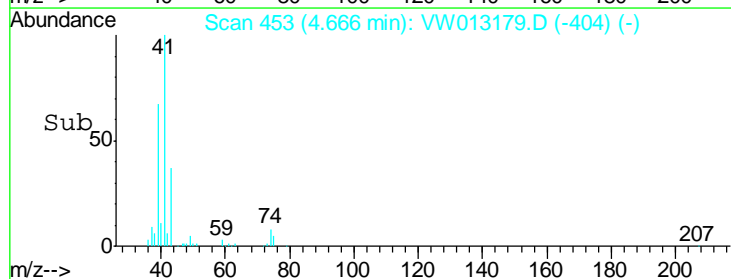
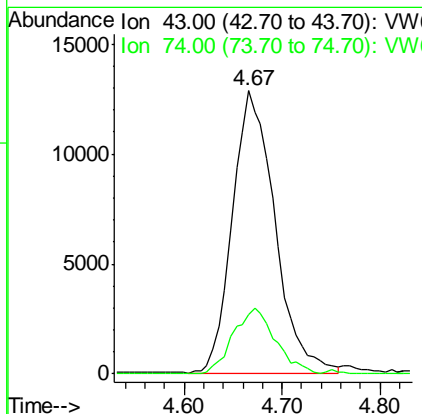
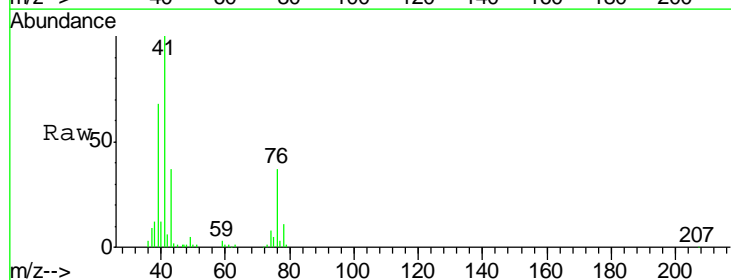
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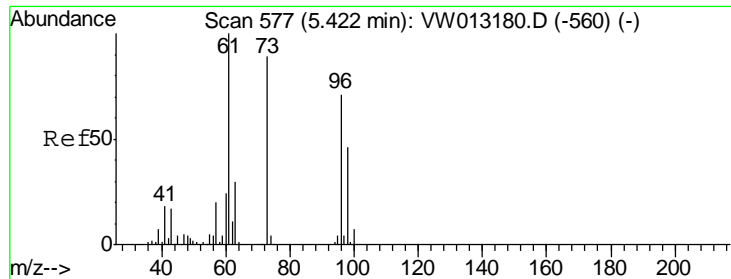
MMDadoda
 9/24/2019 5:28:43 AM



#18
 Methyl Acetate
 Concen: 19.866 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
43	39082		
43	100		
74	23.1	19.3	28.9





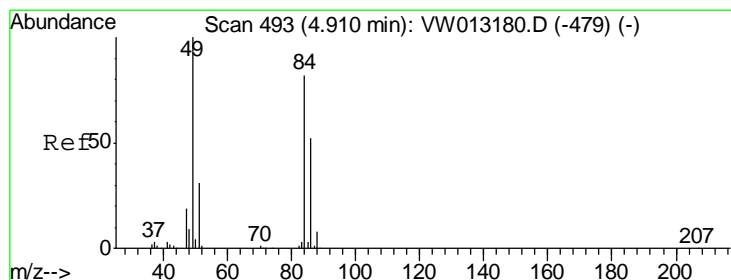
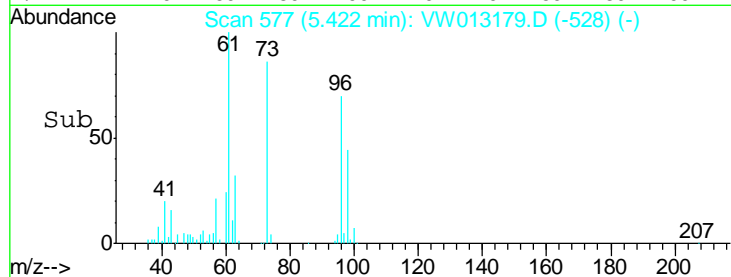
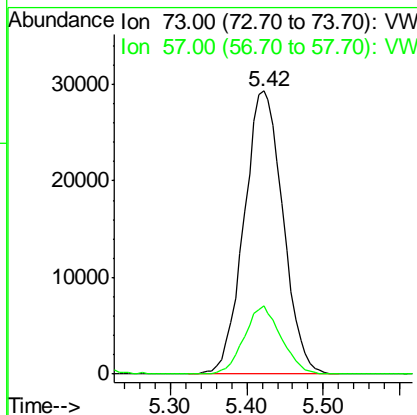
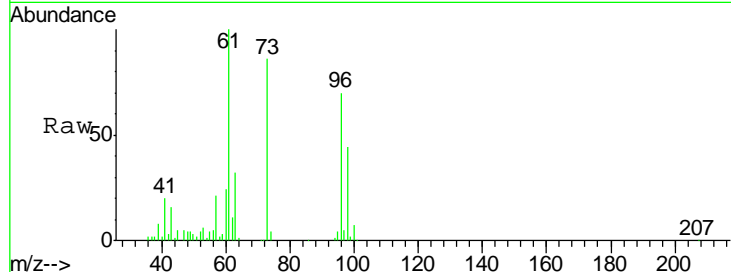
#19
Methyl tert-butyl Ether
Concen: 20.169 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
73	103616		
73	100		
57	24.2	17.6	26.4

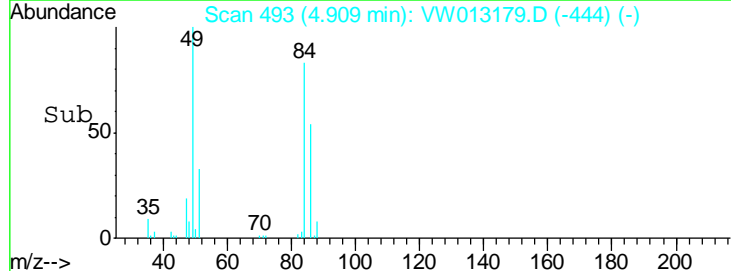
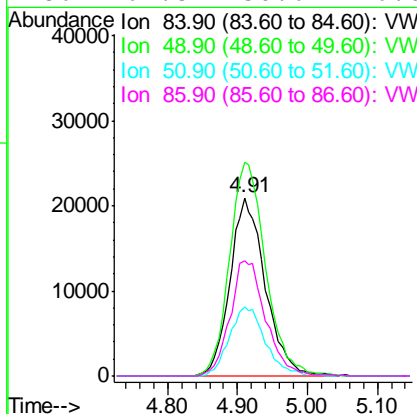
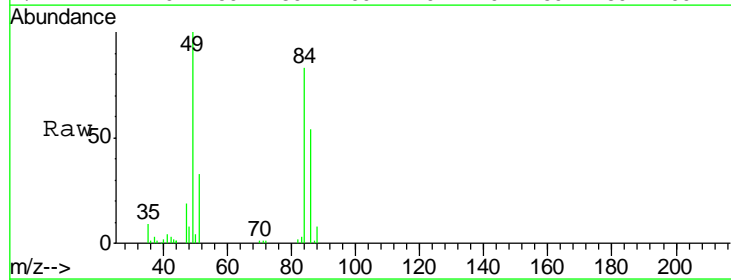
Manual Integrations
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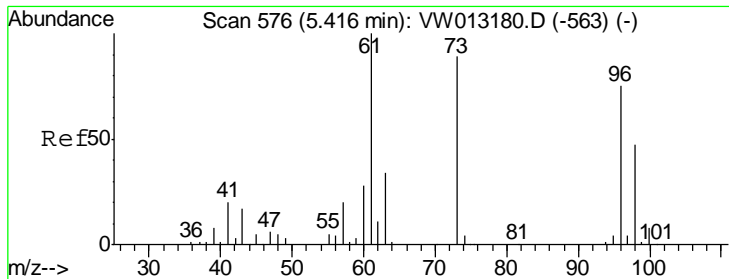
MMDadoda
9/24/2019 5:28:43 AM



#20
Methylene Chloride
Concen: 21.676 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
84	73153		
84	100		
49	119.8	97.6	146.4
51	39.0	30.2	45.2
86	64.5	50.6	76.0





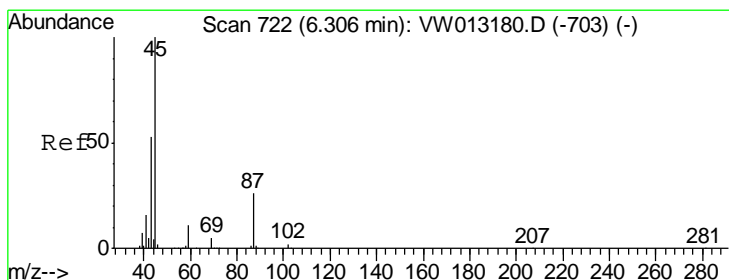
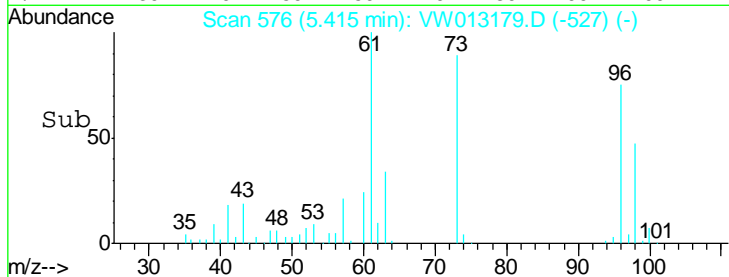
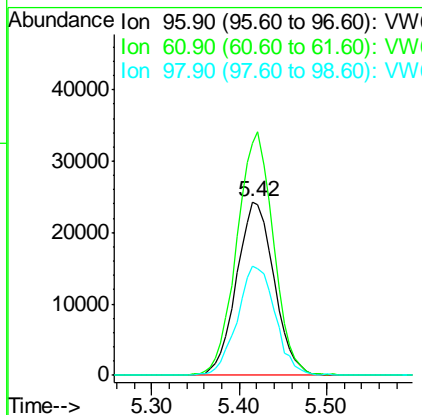
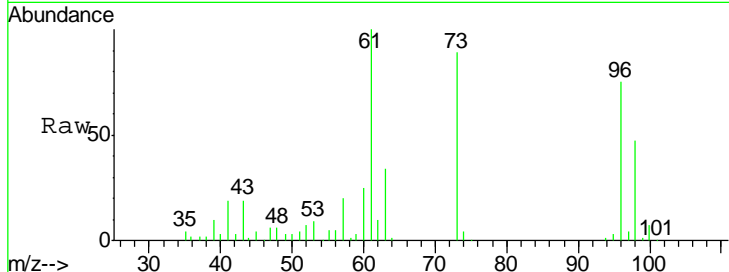
#21
 trans-1,2-Dichloroethene
 Concen: 24.703 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	72701		
96	100		
61	134.1	106.6	159.8
98	63.0	49.8	74.8

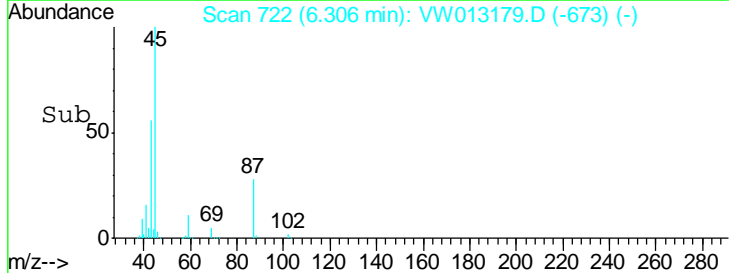
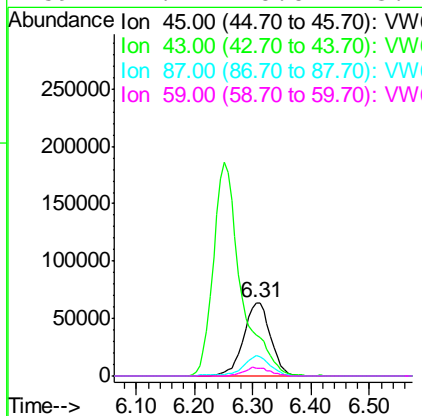
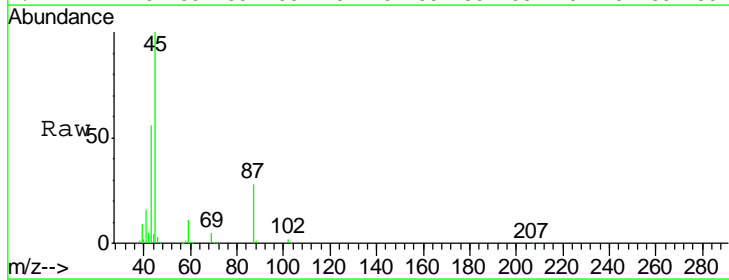
Manual Integrations
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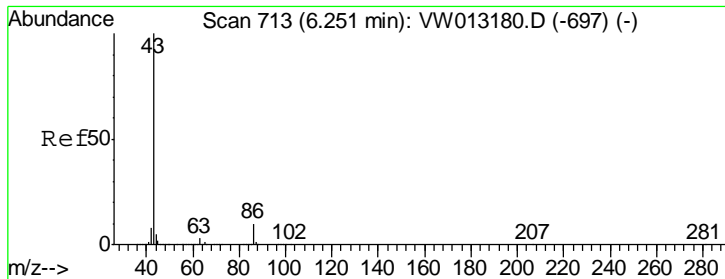
MMDadoda
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#22
 Diisopropyl ether
 Concen: 19.970 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
45	205183		
45	100		
43	55.6	42.4	63.6
87	27.9	20.4	30.6
59	11.4	8.8	13.2





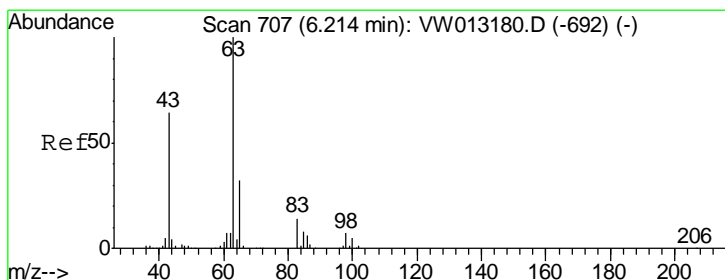
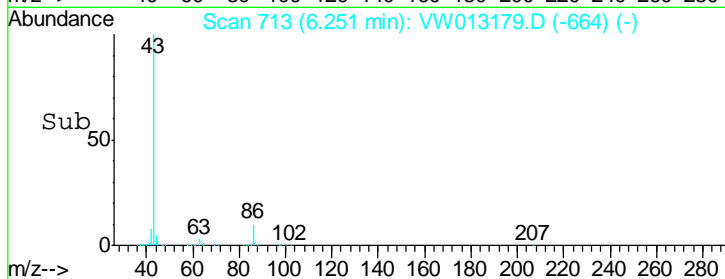
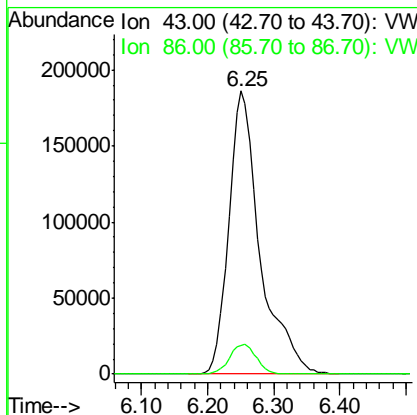
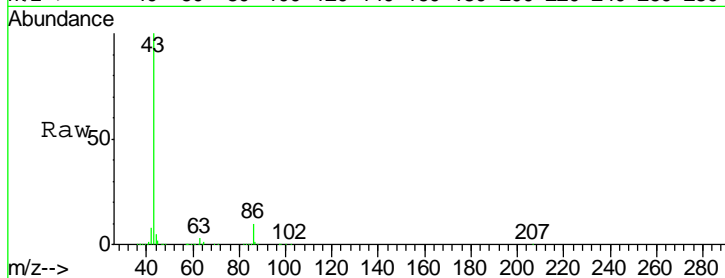
#23
 Vinyl Acetate
 Concen: 99.575 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5

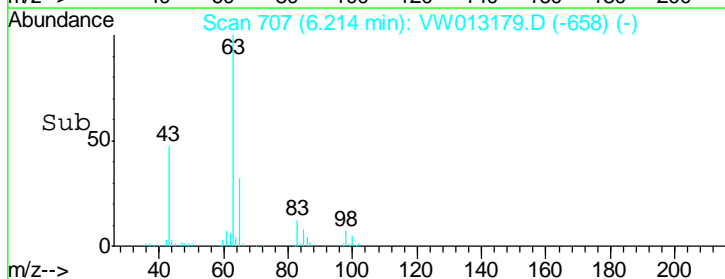
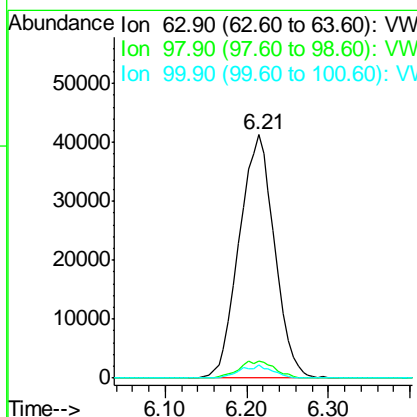
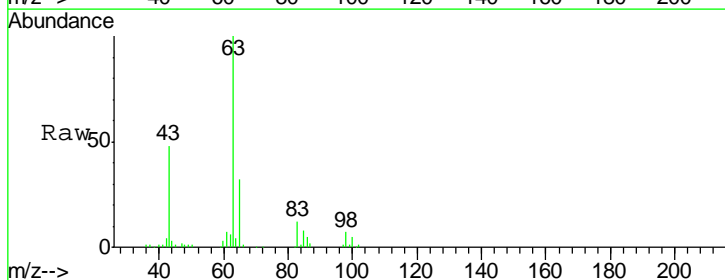
Manual Integrations
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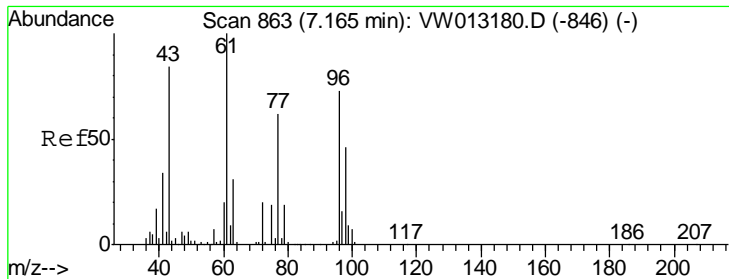
MMDadoda
 9/24/2019 5:28:43 AM



#24
 1,1-Dichloroethane
 Concen: 20.693 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	5.5	2.4	7.1





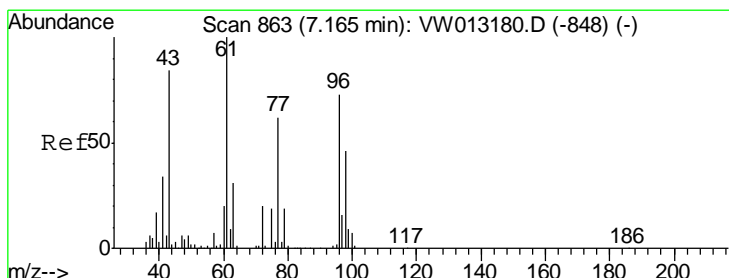
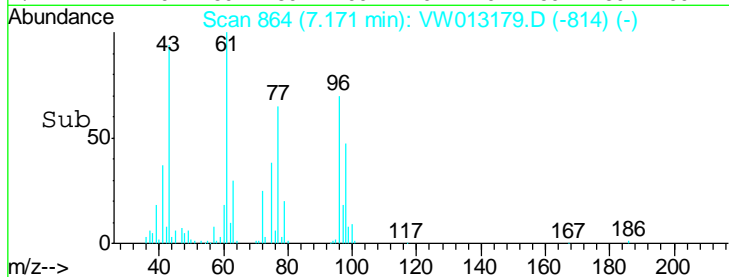
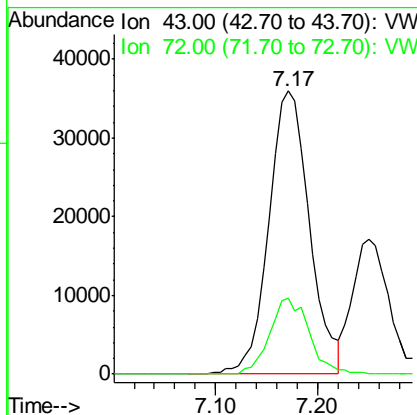
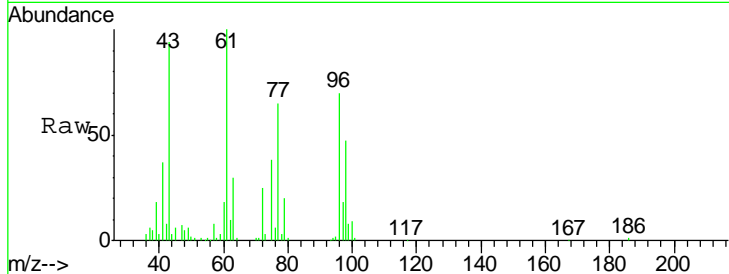
#25
 2-Butanone
 Concen: 92.259 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion: 43 Resp: 99744
 Ion Ratio Lower Upper
 43 100
 72 26.7 19.4 29.0

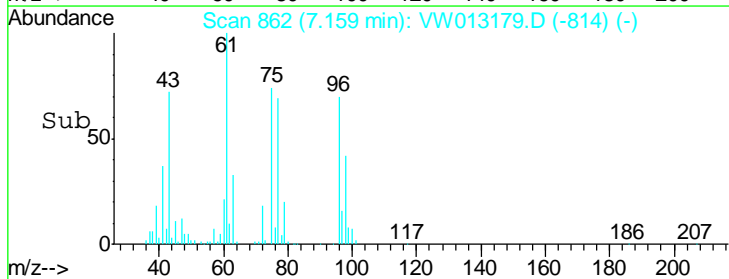
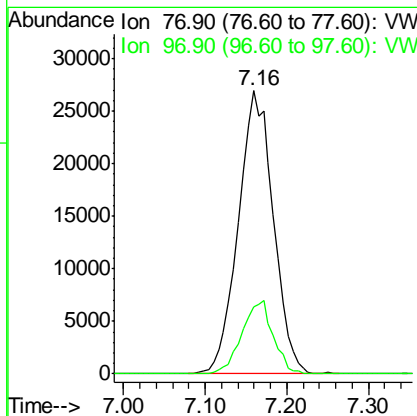
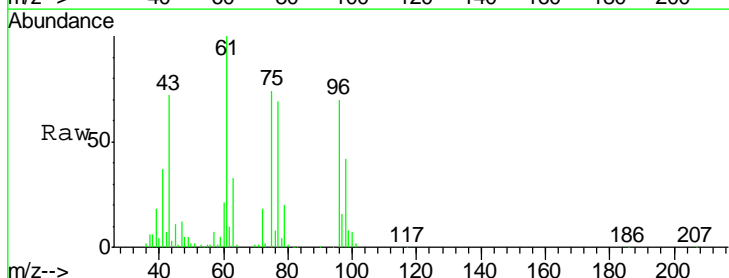
Manual Integrations
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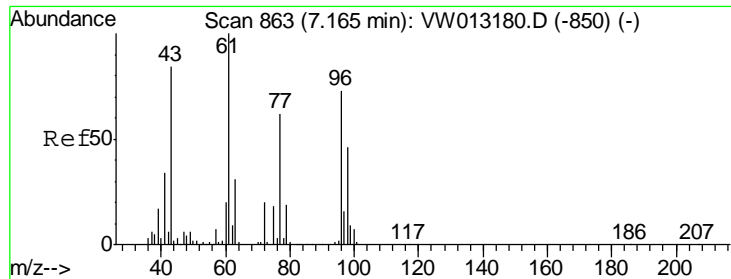
MMDadoda
 9/24/2019 5:28:43 AM



#26
 2,2-Dichloropropane
 Concen: 19.237 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion: 77 Resp: 80362
 Ion Ratio Lower Upper
 77 100
 97 23.1 11.8 35.4





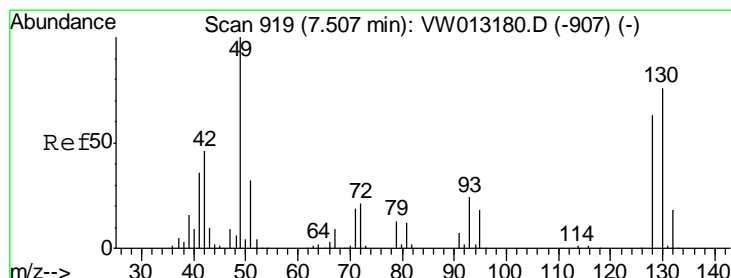
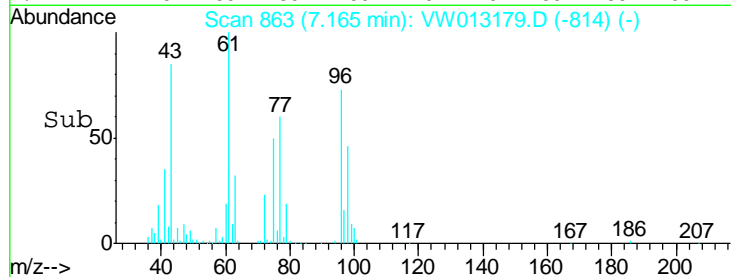
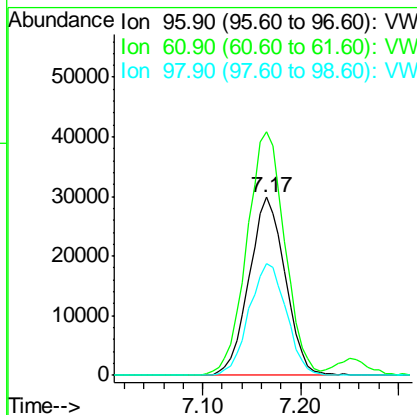
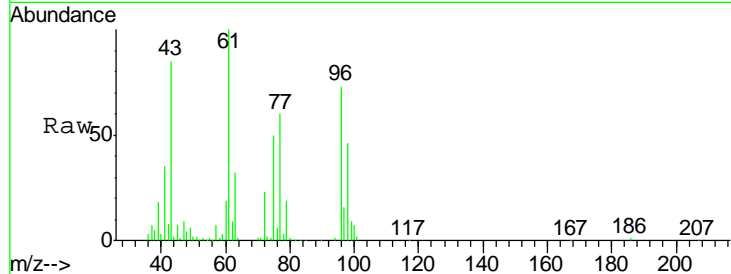
#27
 cis-1,2-Dichloroethene
 Concen: 22.232 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	76575		
96	100		
61	143.7	0.0	282.4
98	64.6	0.0	128.2

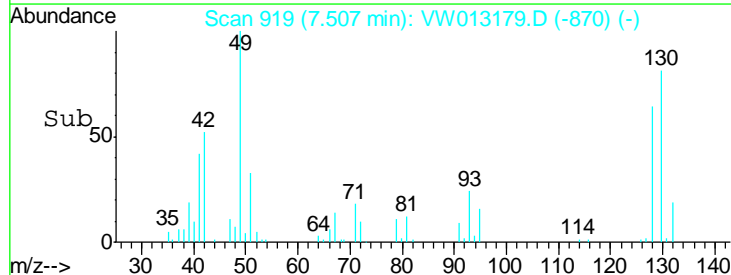
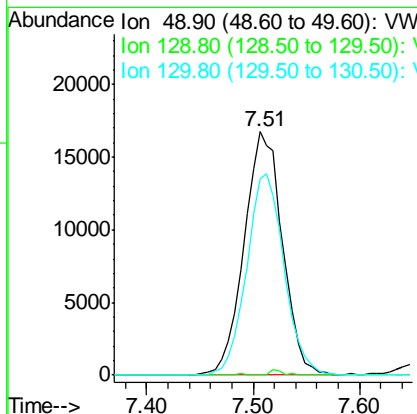
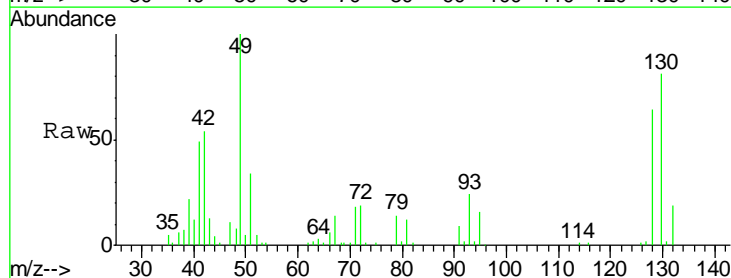
Manual Integrations
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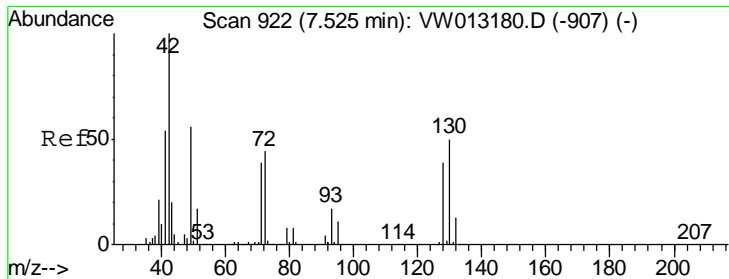
MMDadoda
 9/24/2019 5:28:43 AM



#28
 Bromochloromethane
 Concen: 16.801 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
49	42122		
49	100		
129	0.7	0.0	1.0
130	81.0	63.4	95.2



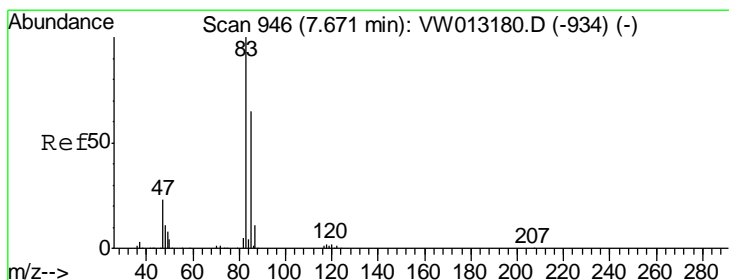
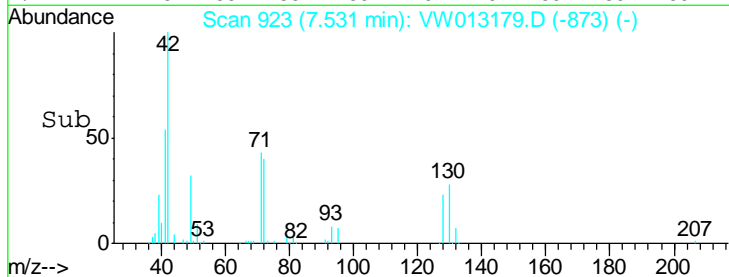
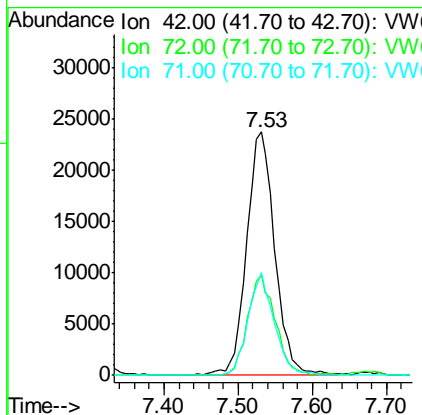
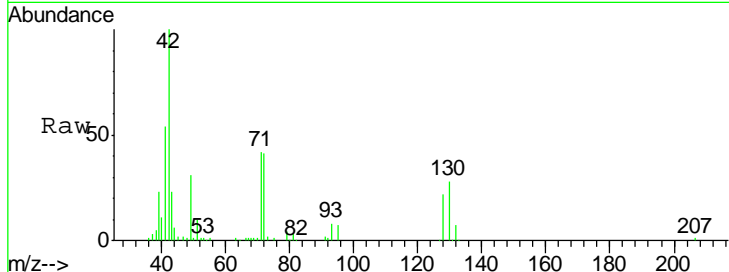


#29
 Tetrahydrofuran
 Concen: 100.931 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
42	63013		
72	40.8	33.9	50.9
71	39.2	31.9	47.9

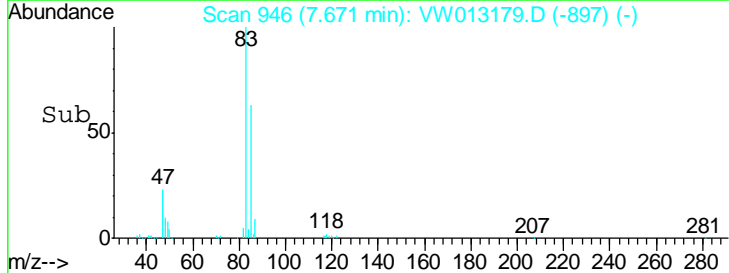
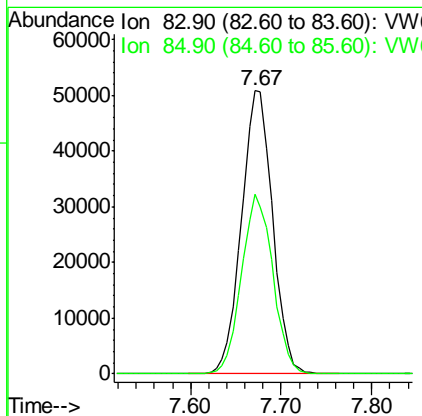
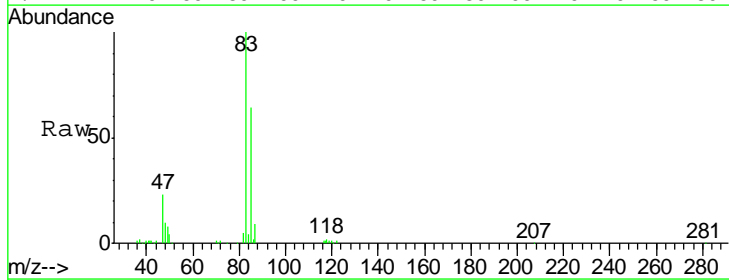
Instrument : MSVOA_W
 Client Sampled : VSTDIC020

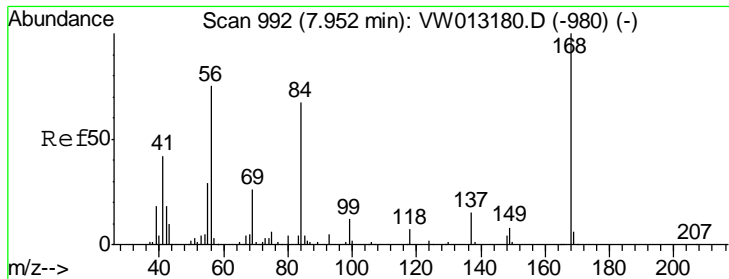
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#30
 Chloroform
 Concen: 20.085 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
83	120711		
85	63.6	52.3	78.5





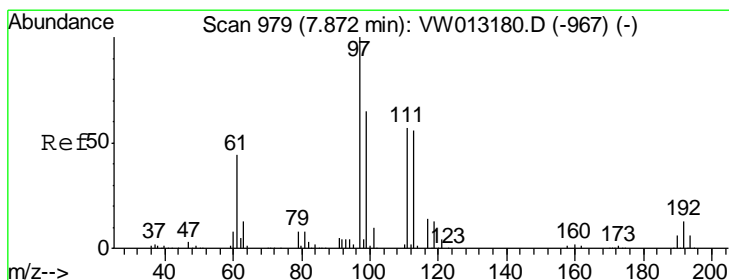
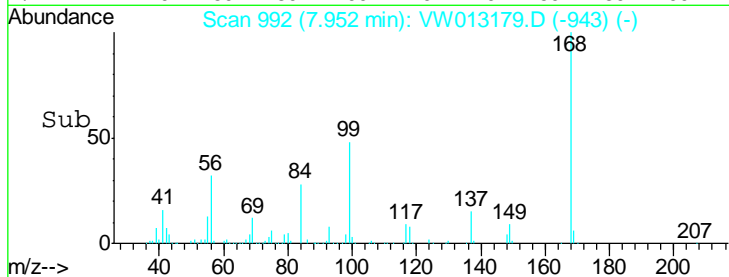
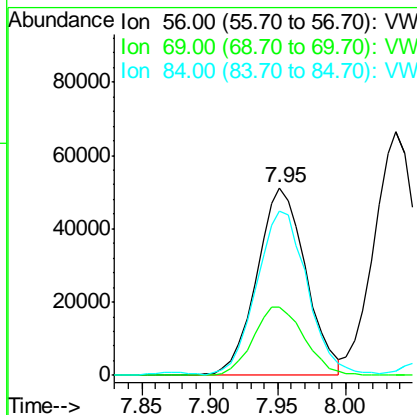
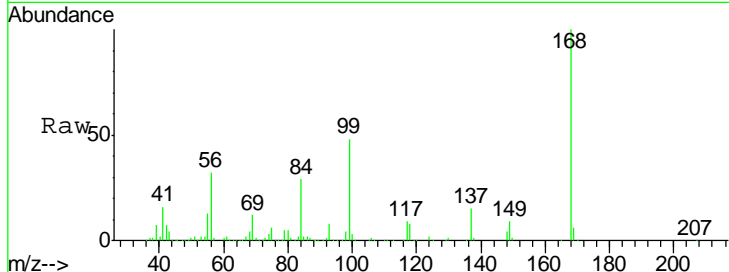
#31
 Cyclohexane
 Concen: 24.144 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	128317		
56	100		
69	36.5	27.2	40.8
84	87.0	70.8	106.2

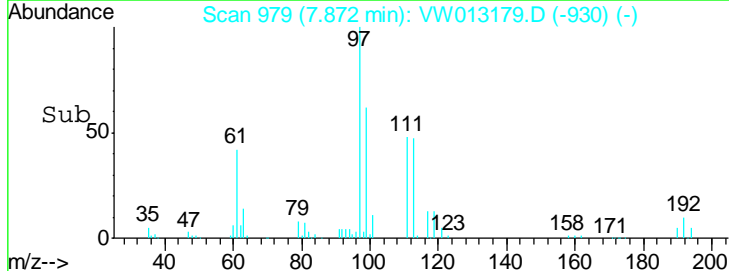
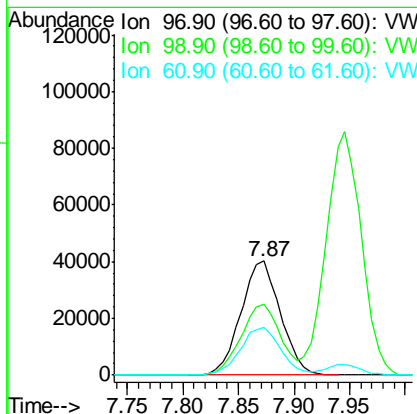
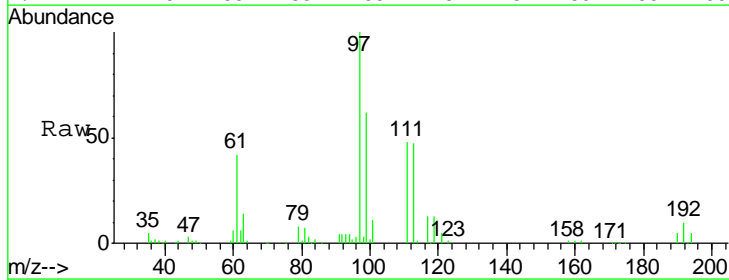
Manual Integrations
 APPROVED

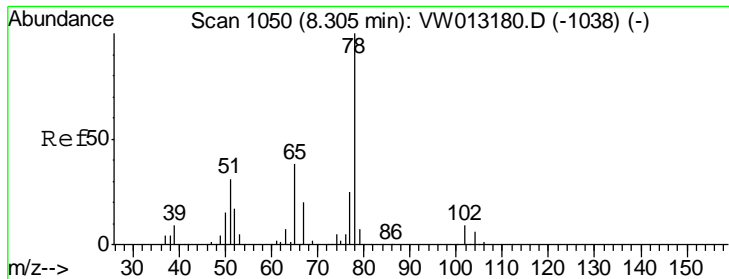
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#32
 1,1,1-Trichloroethane
 Concen: 19.924 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
97	98770		
97	100		
99	62.8	51.7	77.5
61	43.1	34.6	51.8





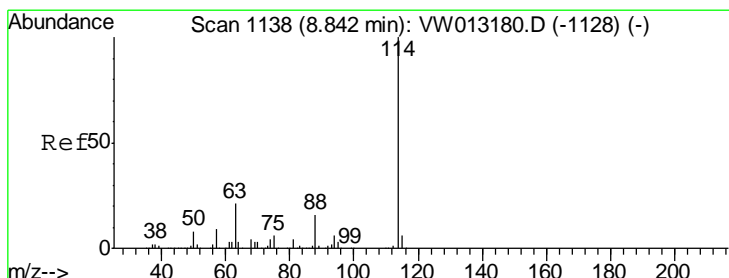
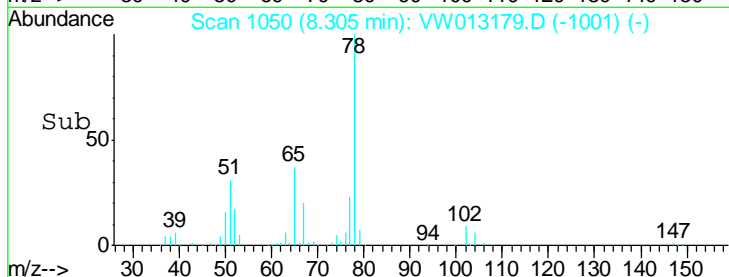
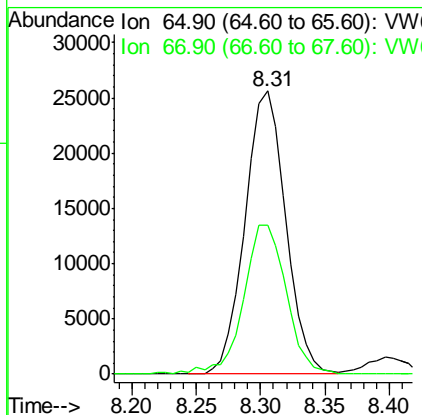
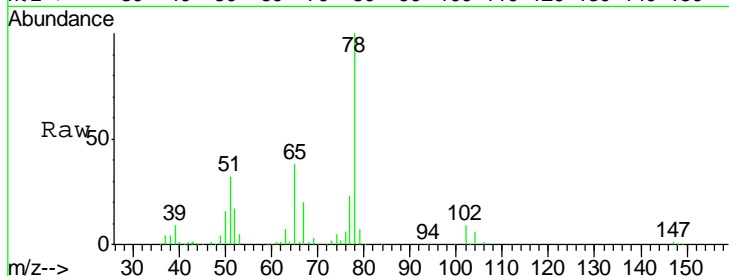
#33
 1,2-Dichloroethane-d4
 Concen: 16.555 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.1	0.0	106.2

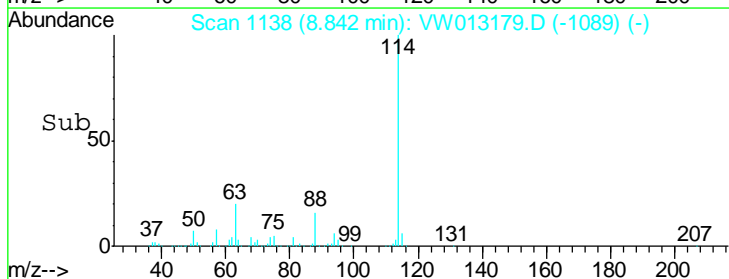
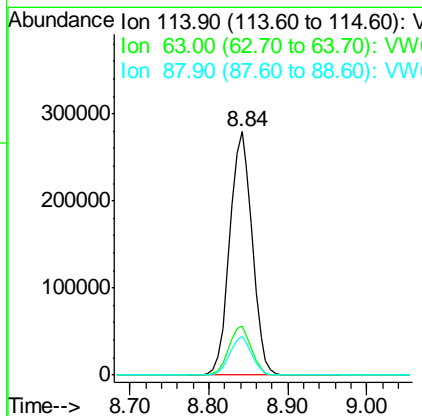
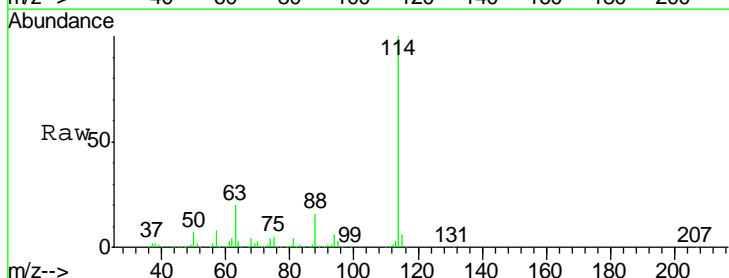
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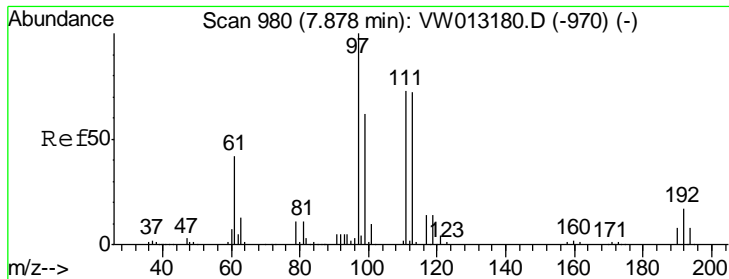
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.4	0.0	41.4
88	16.0	0.0	32.0





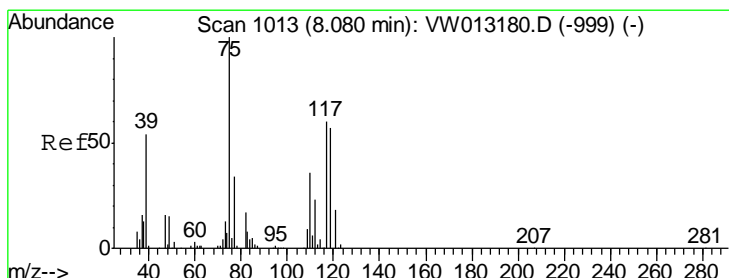
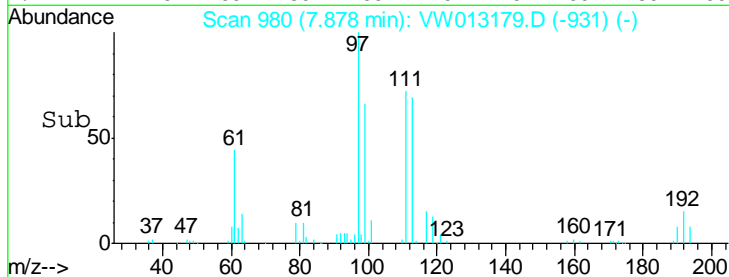
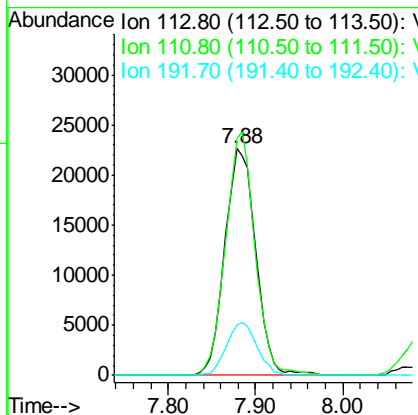
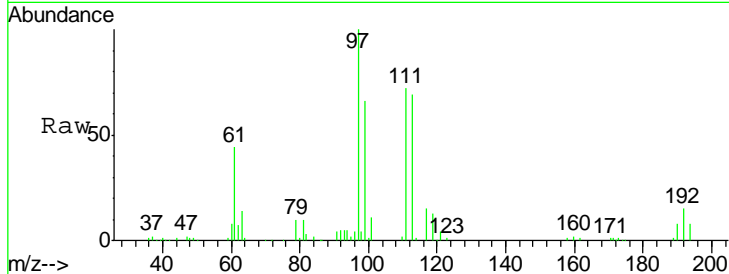
#35
 Dibromofluoromethane
 Concen: 18.733 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
113	55809		
113	100		
111	101.7	81.9	122.9
192	22.9	19.1	28.7

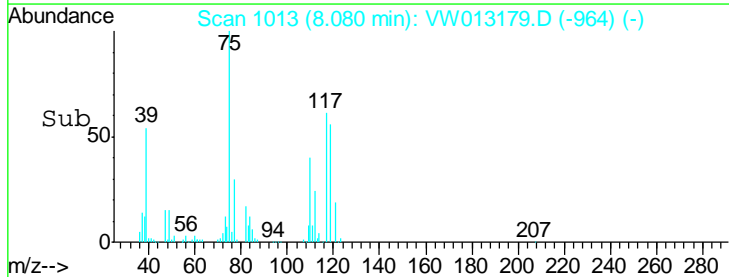
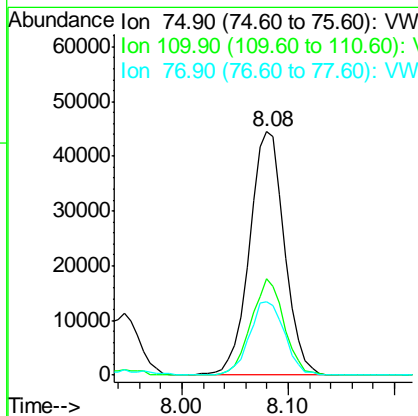
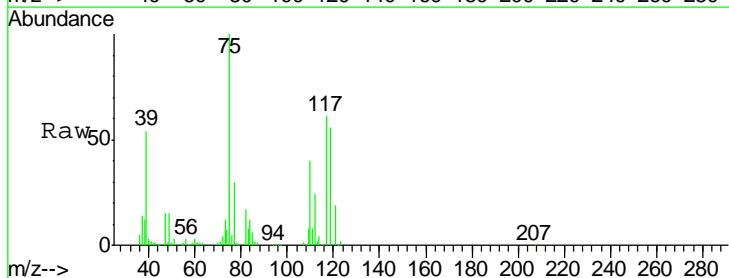
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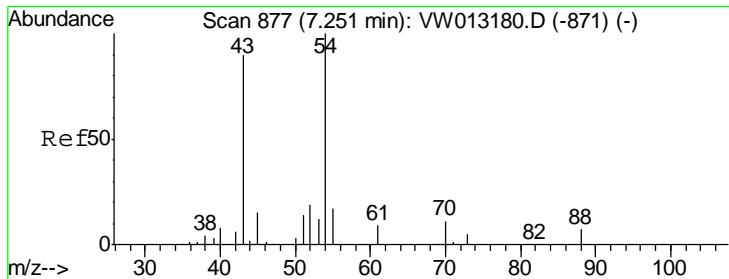
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#36
 1,1-Dichloropropene
 Concen: 22.610 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
75	102716		
75	100		
110	37.2	18.1	54.3
77	30.4	25.8	38.6





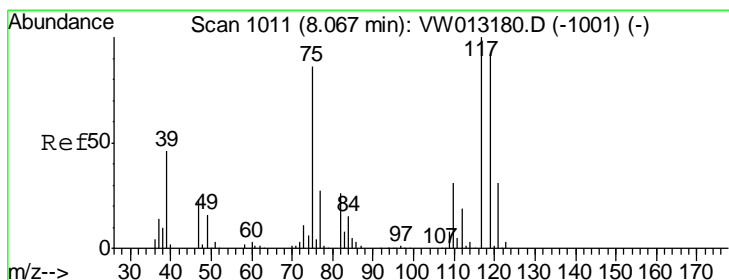
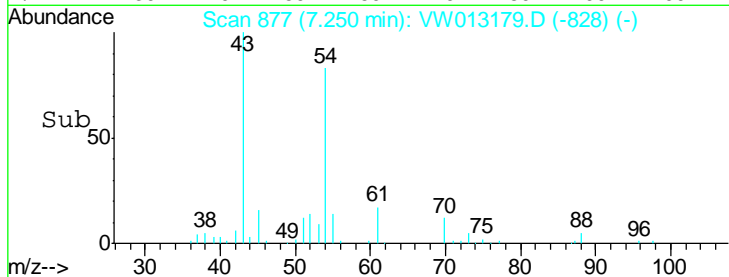
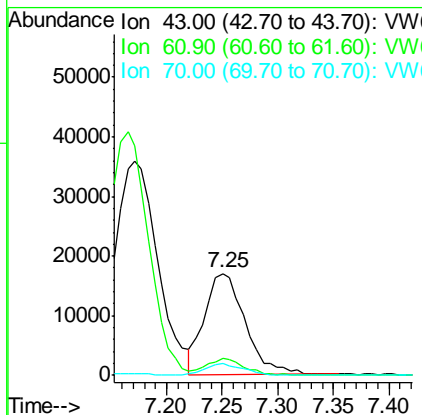
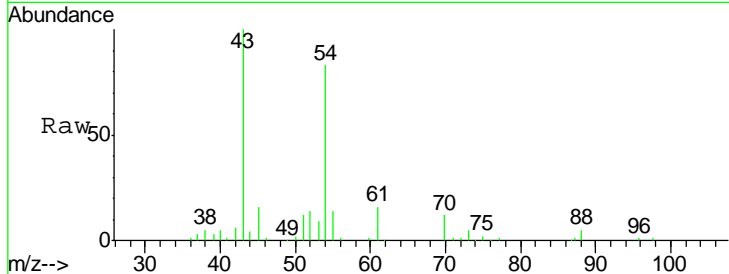
#37
Ethyl Acetate
Concen: 18.673 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	43158		
61	15.8	10.9	16.3
70	11.1	8.2	12.2

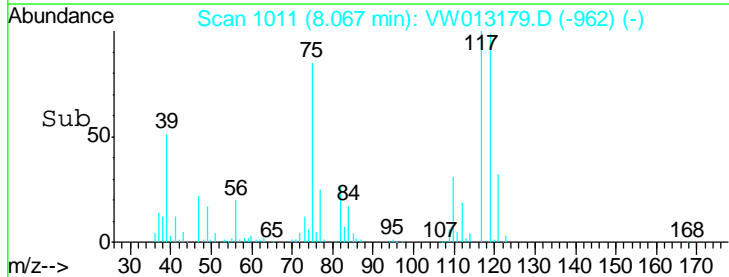
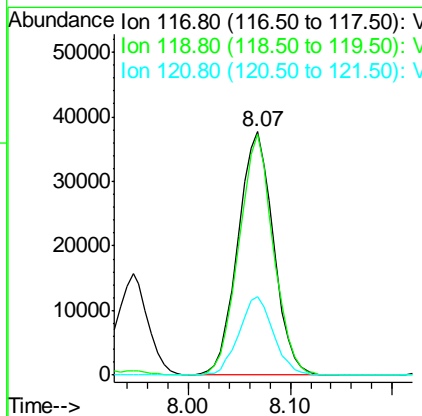
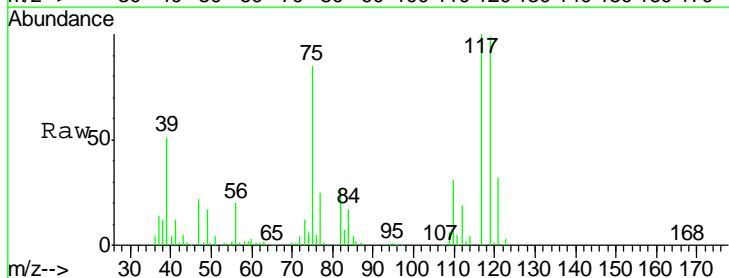
Manual Integrations APPROVED

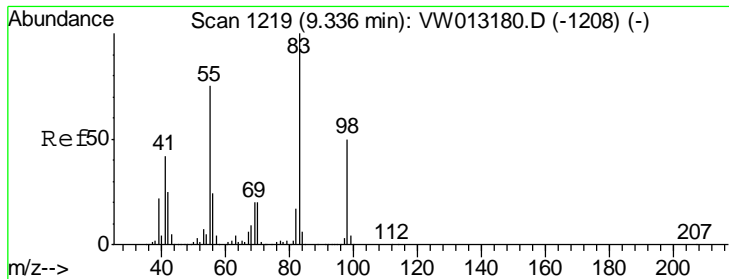
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#38
Carbon Tetrachloride
Concen: 20.032 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
117	91219		
119	99.0	73.5	110.3
121	32.0	25.0	37.6





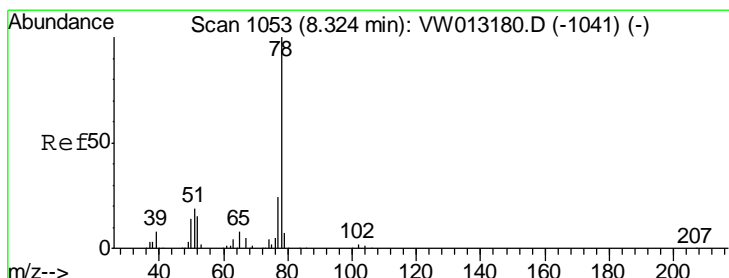
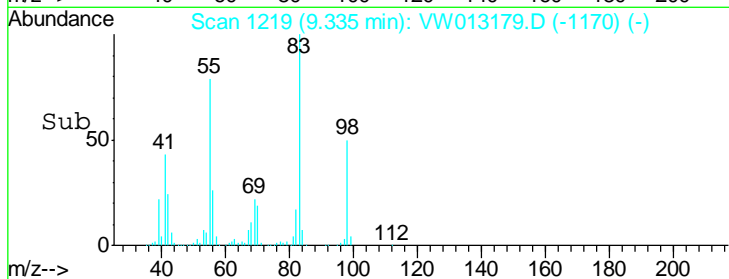
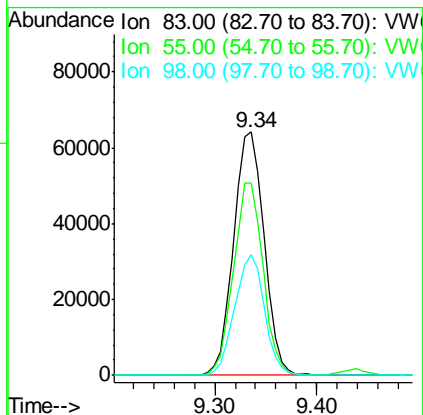
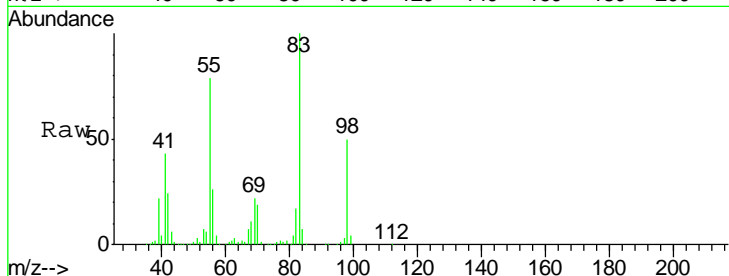
#39
 Methylcyclohexane
 Concen: 25.672 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	132947		
83	100		
55	78.8	60.4	90.6
98	49.5	40.0	60.0

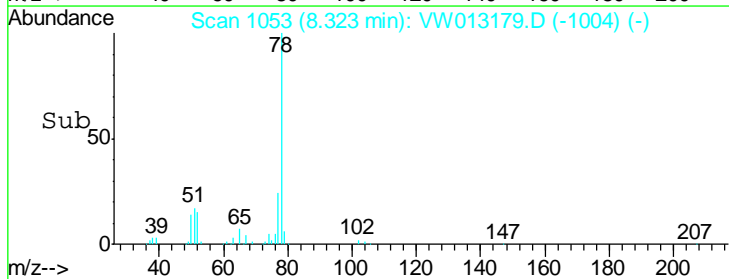
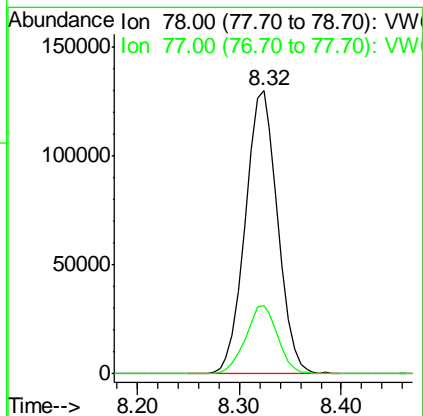
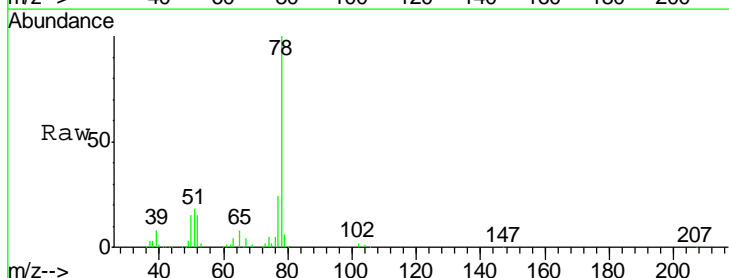
Manual Integrations
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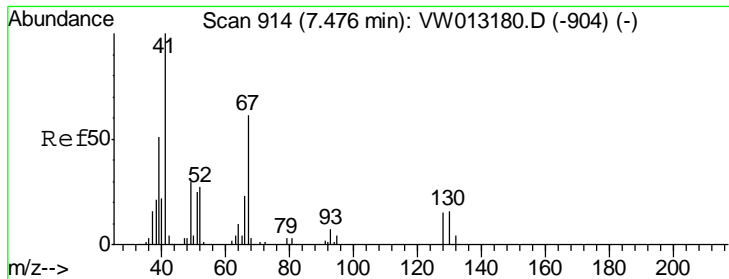
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#40
 Benzene
 Concen: 22.674 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
78	287576		
78	100		
77	24.3	19.1	28.7





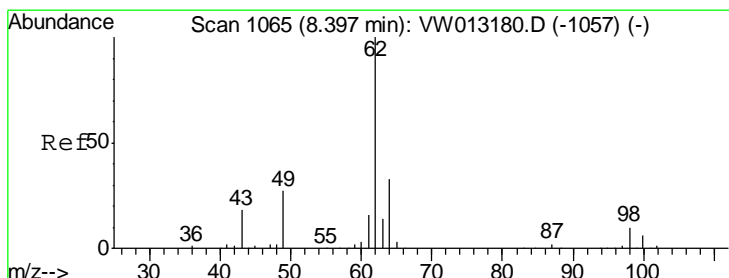
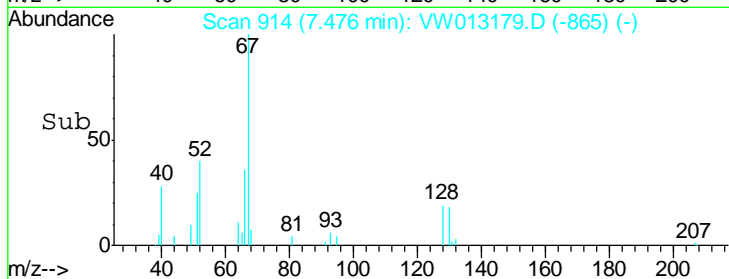
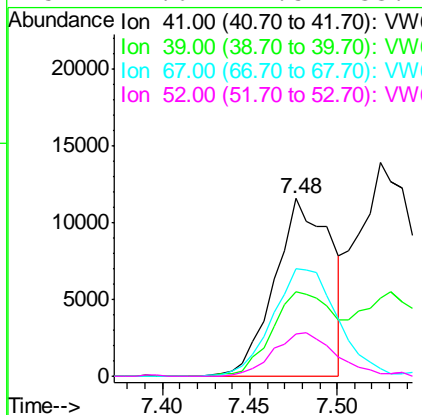
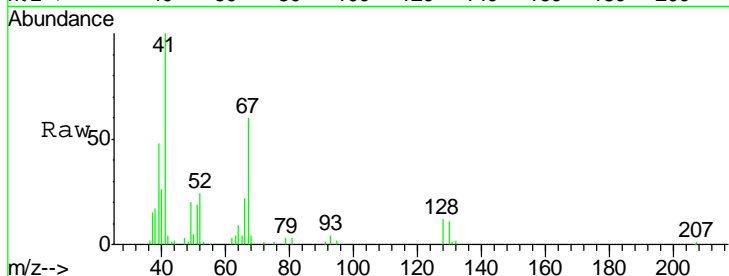
#41
 Methacrylonitrile
 Concen: 17.230 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.9	45.9	68.9
67	70.8	54.5	81.7
52	27.6	22.5	33.7

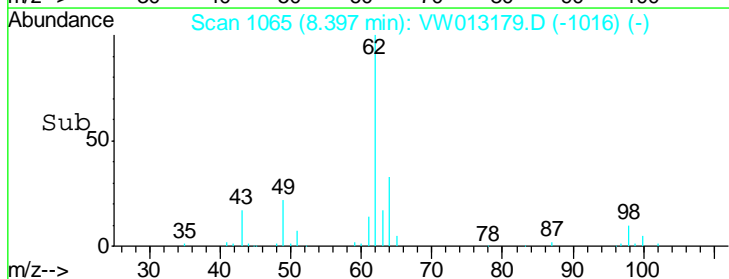
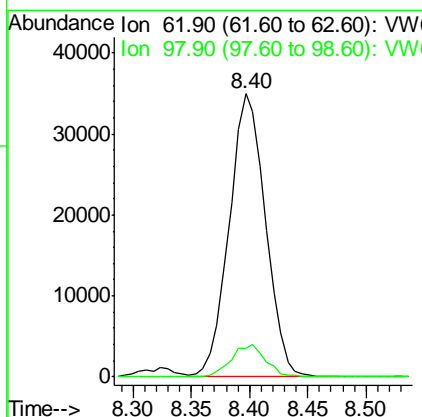
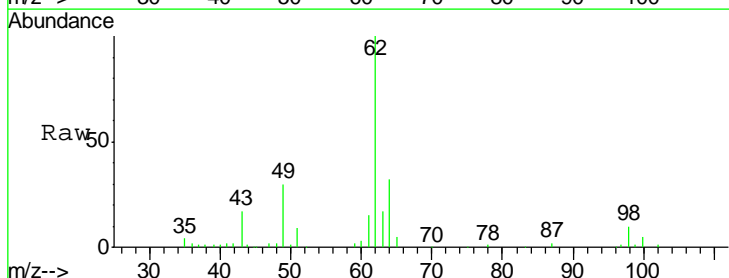
Manual Integrations
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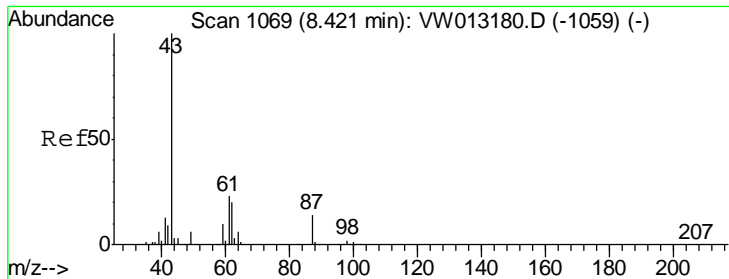
MMDadoda
 9/24/2019 5:28:43 AM



#42
 1,2-Dichloroethane
 Concen: 18.467 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.8	0.0	20.6





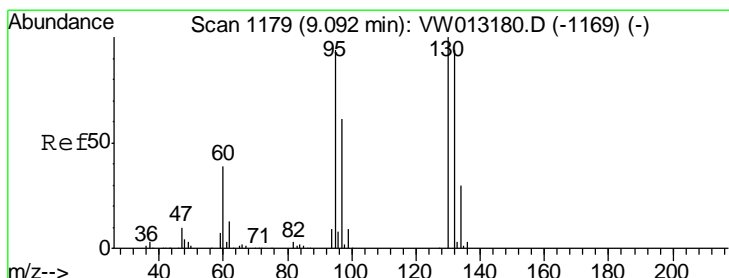
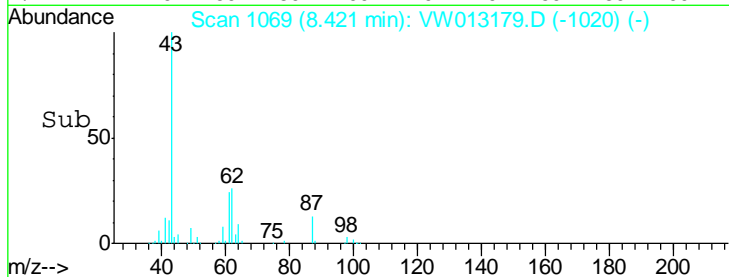
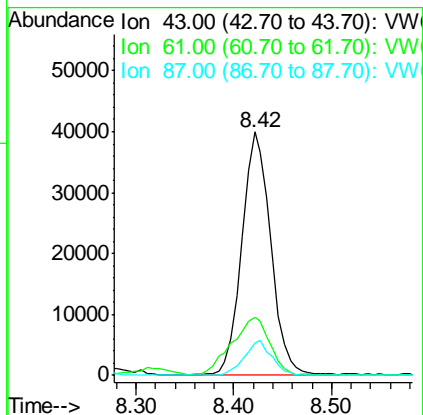
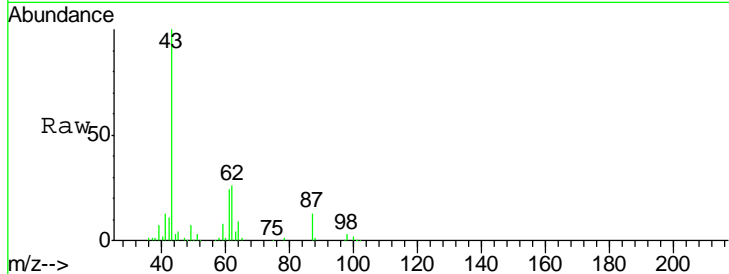
#43
 Isopropyl Acetate
 Concen: 18.524 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	31.6	25.5	38.3
87	13.5	11.0	16.4

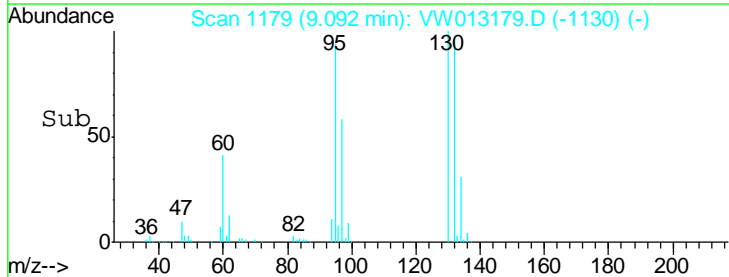
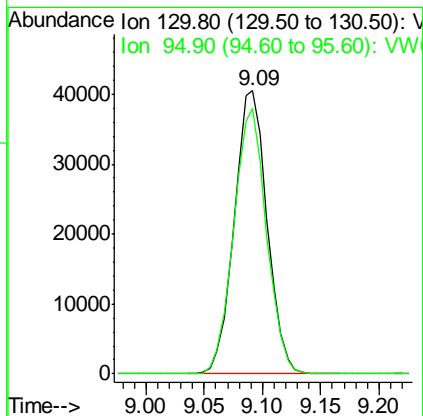
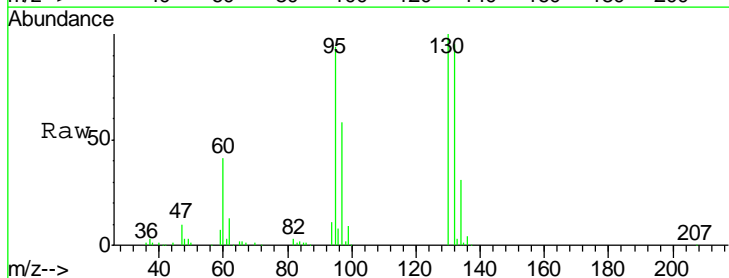
Manual Integrations
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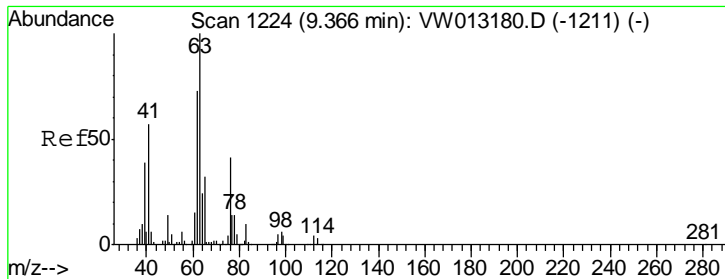
MMDadoda
 9/24/2019 5:28:43 AM



#44
 Trichloroethene
 Concen: 22.737 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
130	100		
95	93.6	0.0	188.0





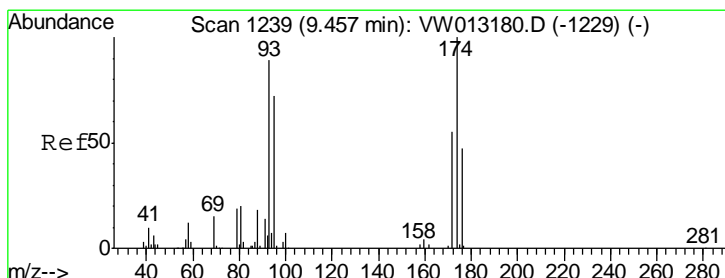
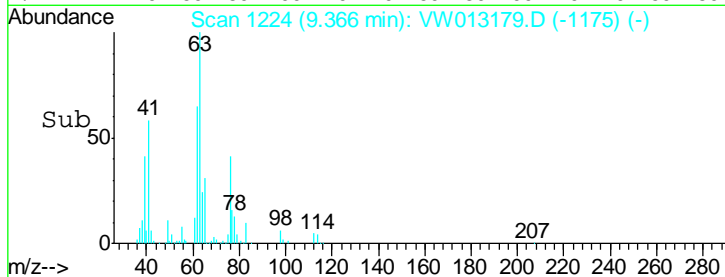
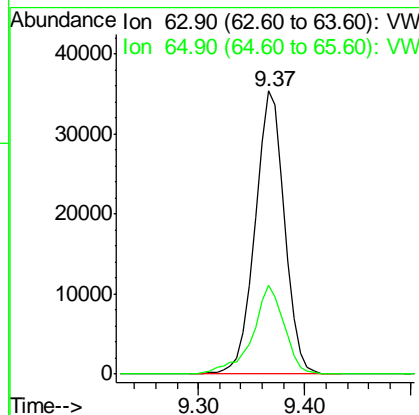
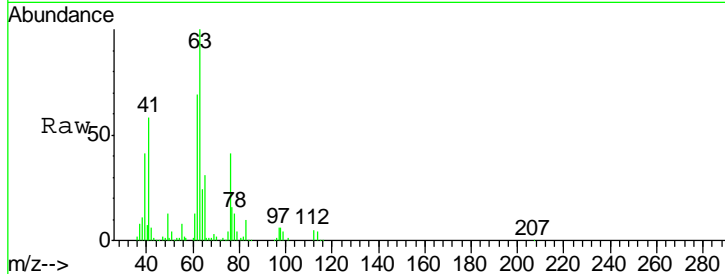
#45
 1,2-Dichloropropane
 Concen: 20.761 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.4	25.3	37.9

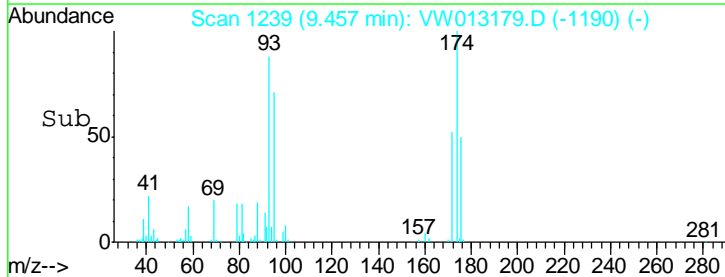
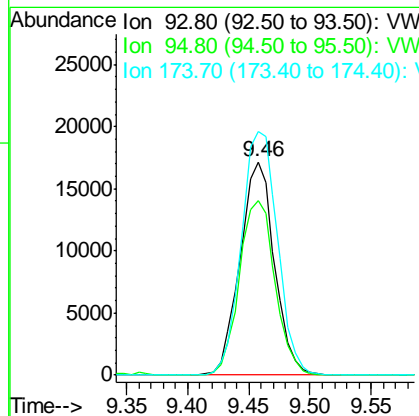
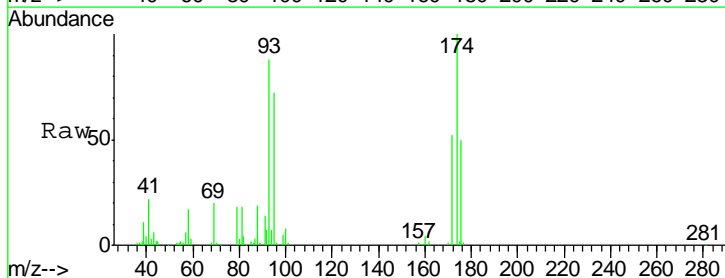
Manual Integrations
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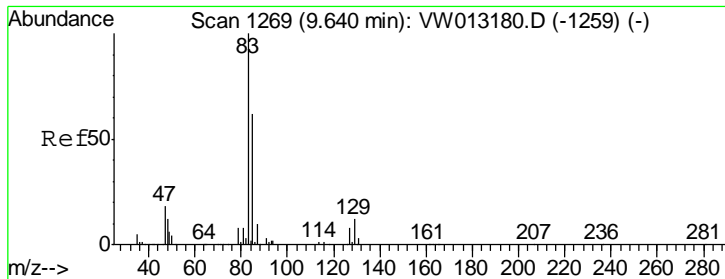
MMDadoda
 9/24/2019 5:28:43 AM



#46
 Dibromomethane
 Concen: 21.095 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.8	66.4	99.6
174	120.3	93.0	139.6





#47

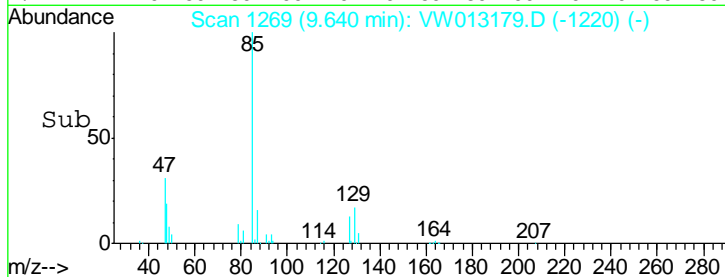
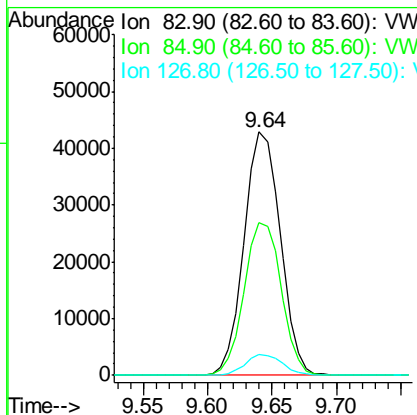
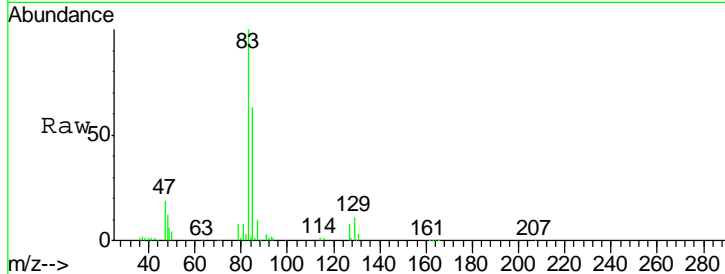
Bromodichloromethane
 Concen: 19.112 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	83720		
85	62.7	49.4	74.2
127	8.3	6.5	9.7

Manual Integrations
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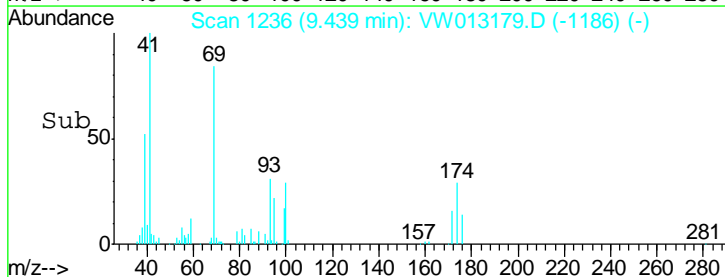
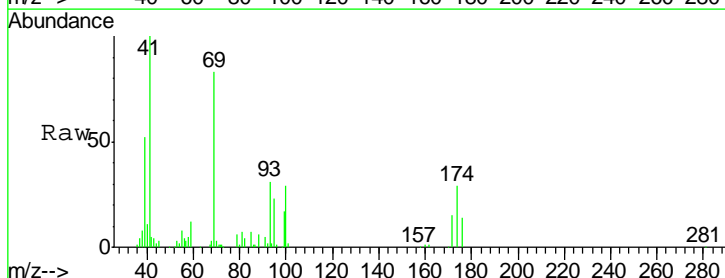
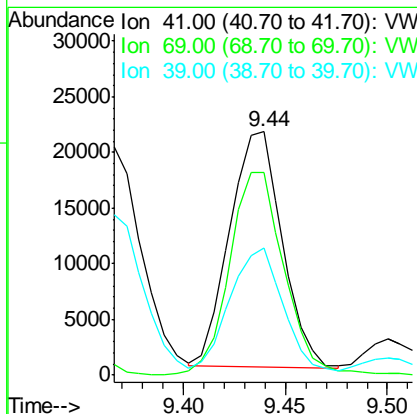
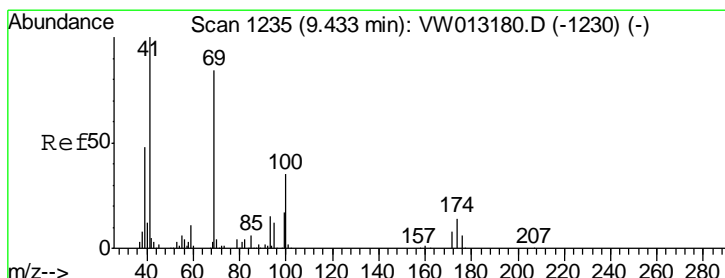
MMDadoda
 9/24/2019 5:28:43 AM

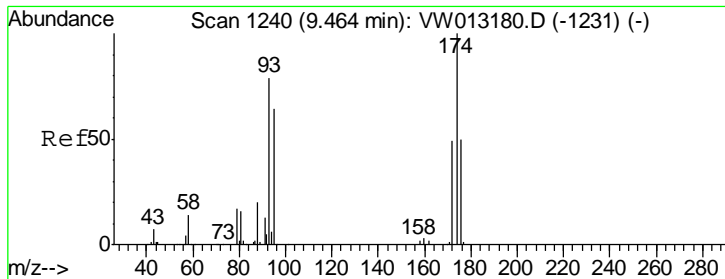


#48

Methyl methacrylate
 Concen: 18.168 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
41	37803		
69	90.4	69.7	104.5
39	51.9	41.1	61.7





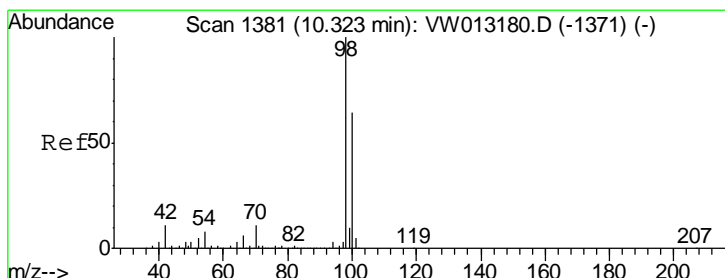
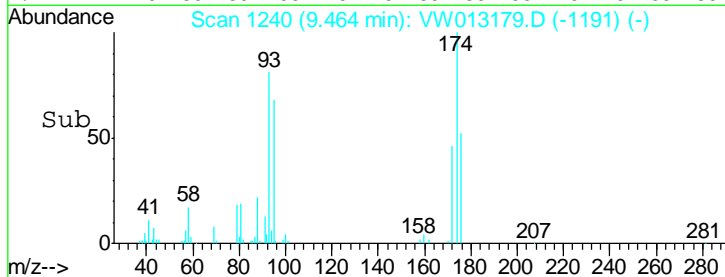
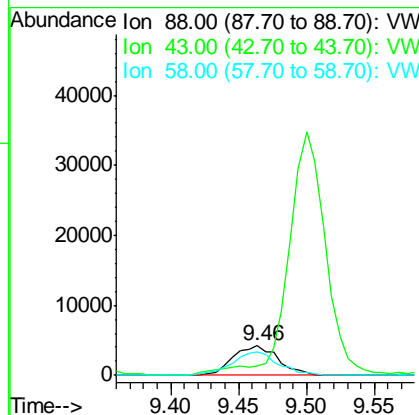
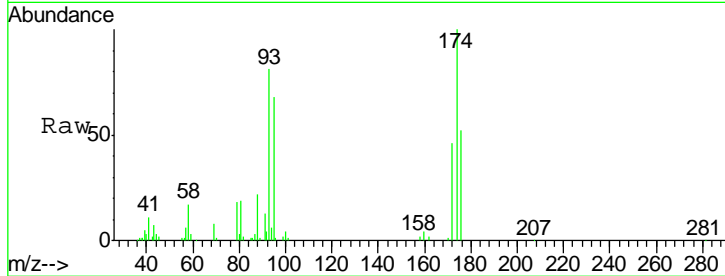
#49
 1,4-Dioxane
 Concen: 387.017 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
88	9850		
88	100		
43	0.0	0.0	0.0
58	81.1	65.4	98.0

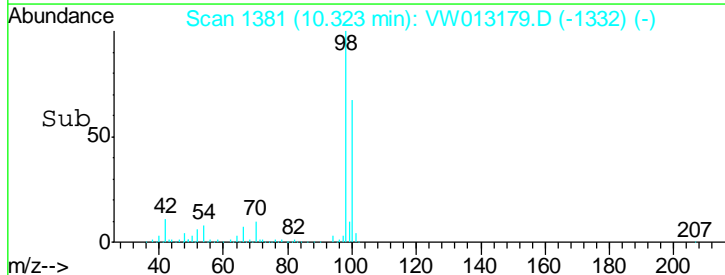
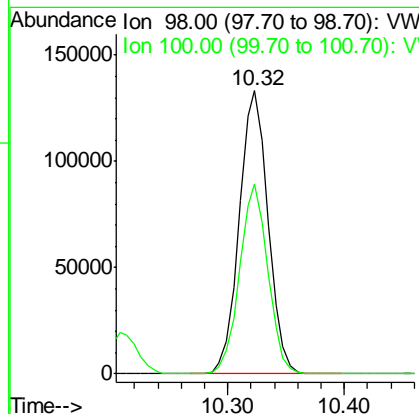
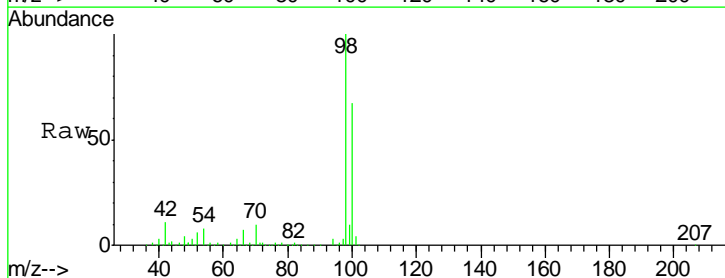
Manual Integrations
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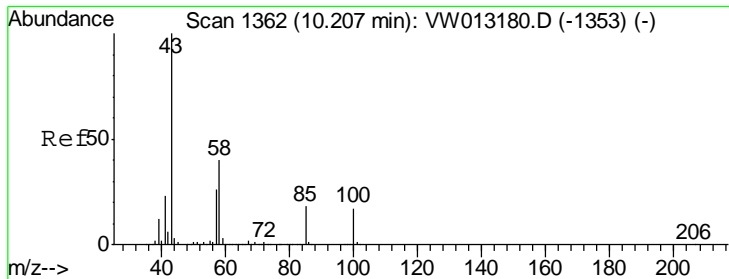
MMDadoda
 9/24/2019 5:28:43 AM



#50
 Toluene-d8
 Concen: 19.546 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
98	229613		
98	100		
100	65.8	52.9	79.3





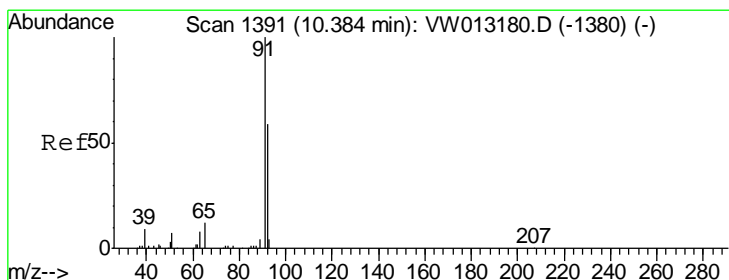
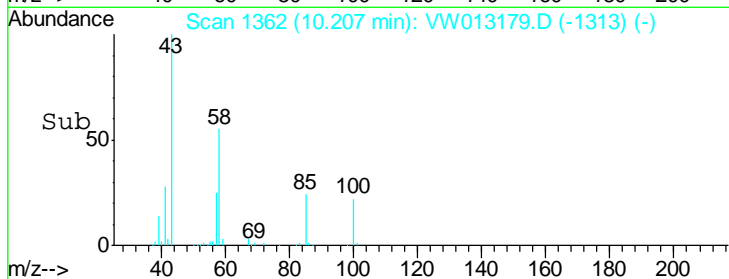
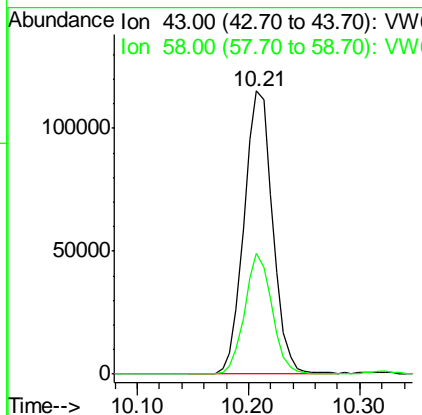
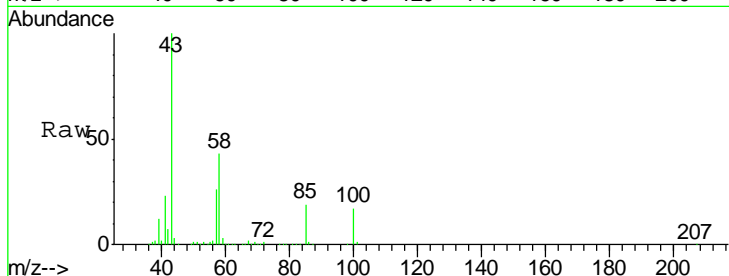
#51
 4-Methyl-2-Pentanone
 Concen: 90.863 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.5	31.7	47.5

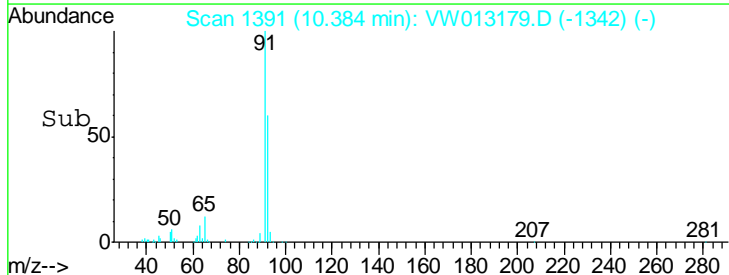
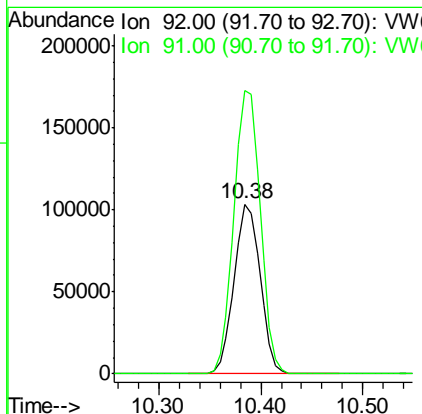
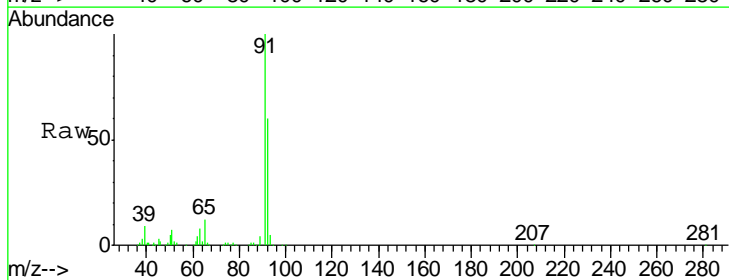
Manual Integrations
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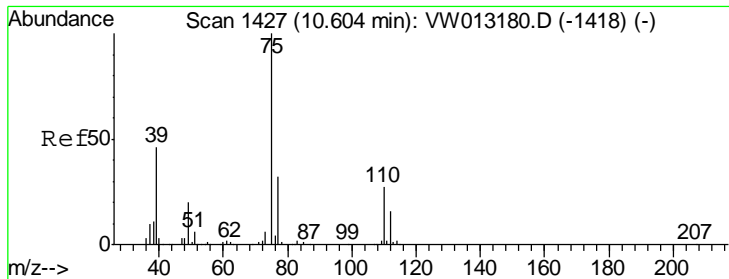
MMDadoda
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#52
 Toluene
 Concen: 22.670 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.4	135.7	203.5





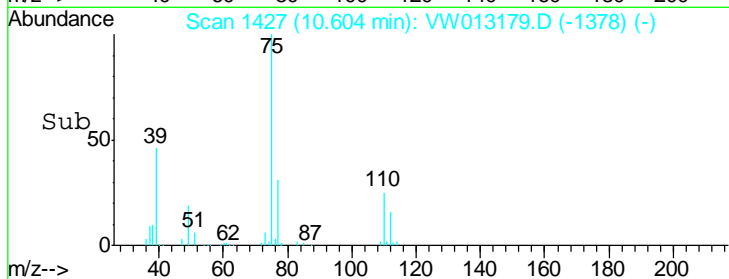
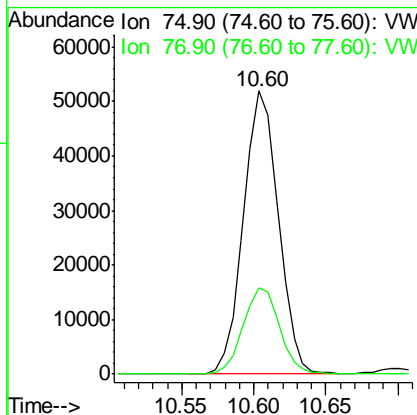
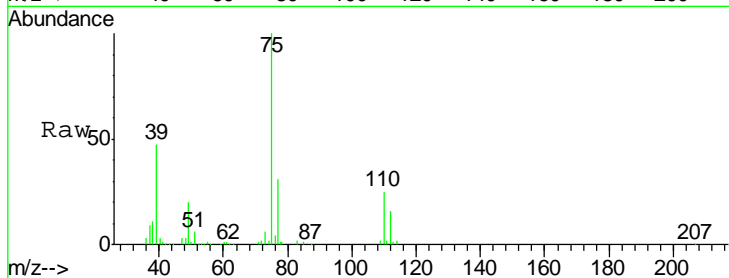
#53
 t-1,3-Dichloropropene
 Concen: 19.719 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	87347		
75	100		
77	30.4	25.5	38.3

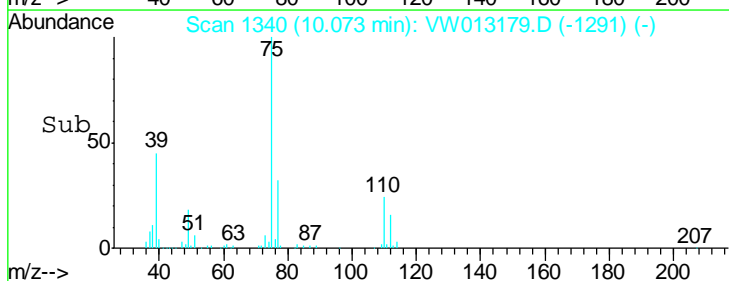
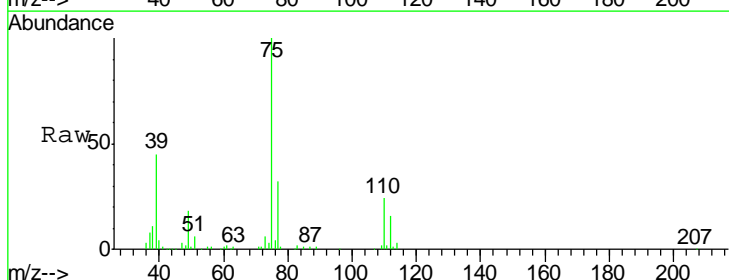
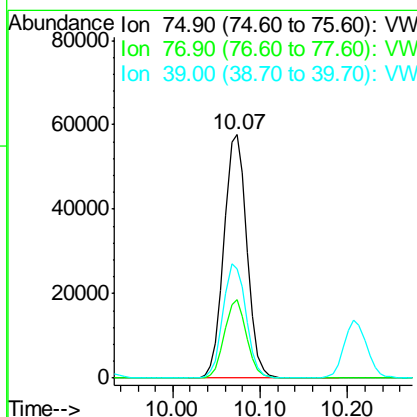
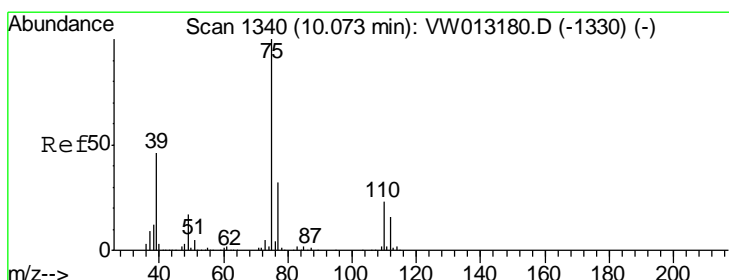
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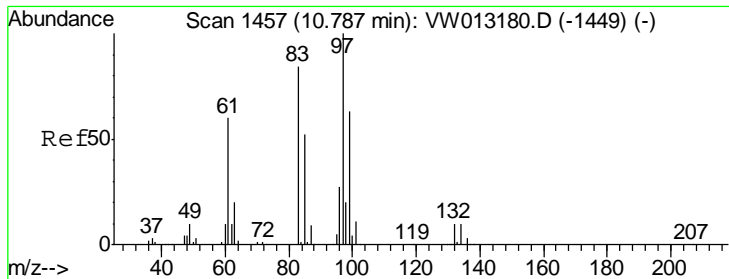
MMDadoda
 9/24/2019 5:28:43 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.528 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
75	104987		
75	100		
77	32.2	25.2	37.8
39	44.8	36.6	55.0





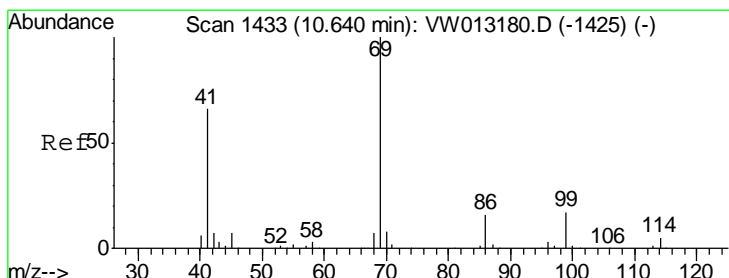
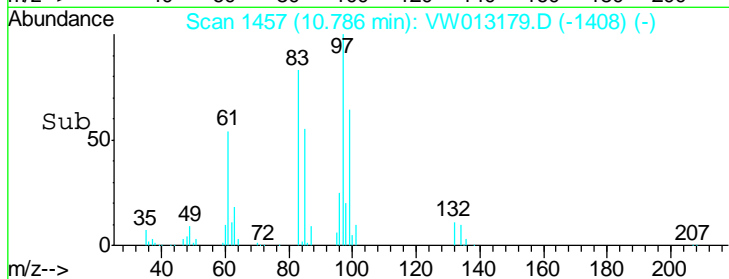
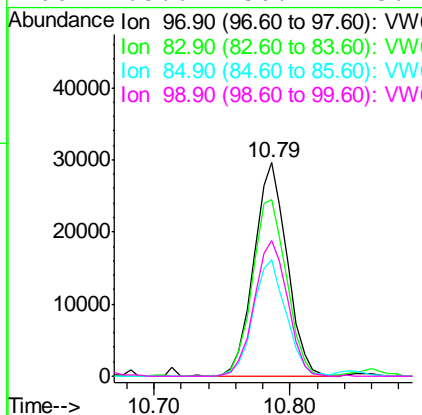
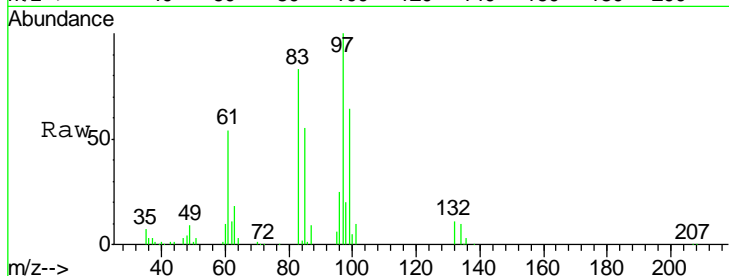
#55
 1,1,2-Trichloroethane
 Concen: 20.975 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
97	50595		
97	100		
83	82.7	67.6	101.4
85	54.6	41.9	62.9
99	63.6	50.1	75.1

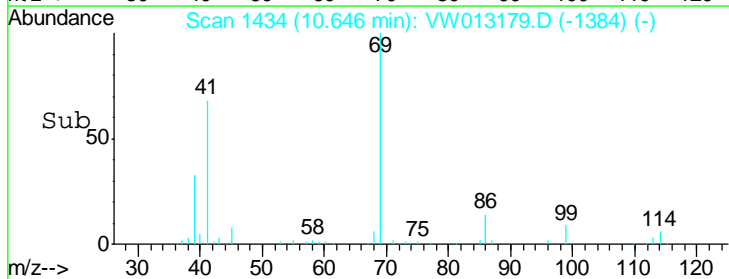
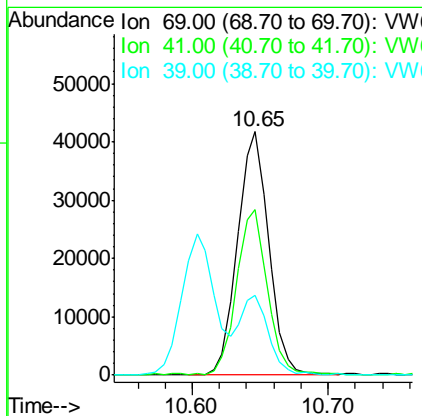
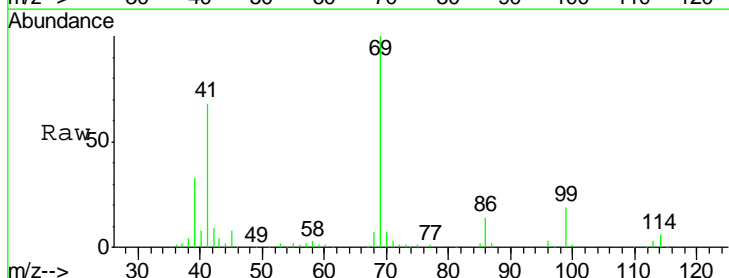
Manual Integrations
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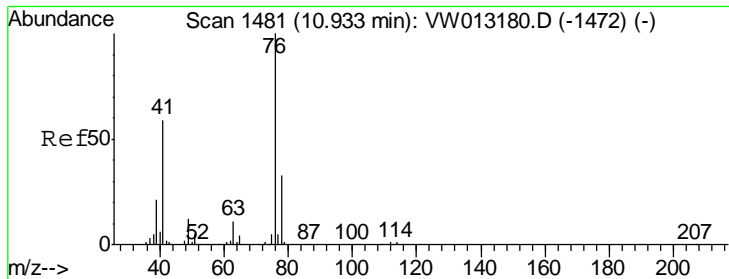
MMDadoda
 9/24/2019 5:28:43 AM



#56
 Ethyl methacrylate
 Concen: 20.721 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
69	66879		
69	100		
41	66.5	53.9	80.9
39	29.8	23.8	35.6



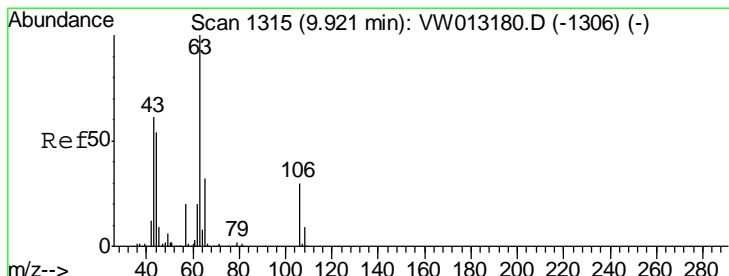
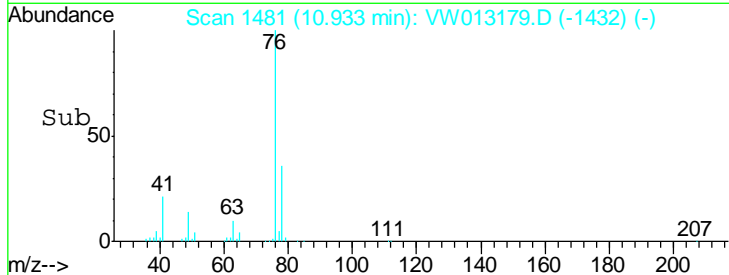
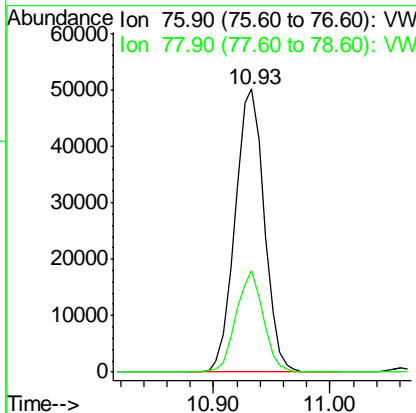
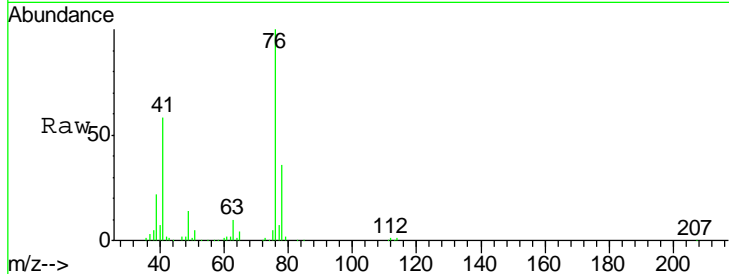


#57
 1,3-Dichloropropane
 Concen: 20.476 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

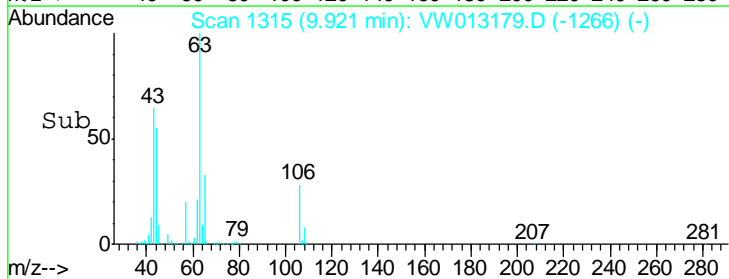
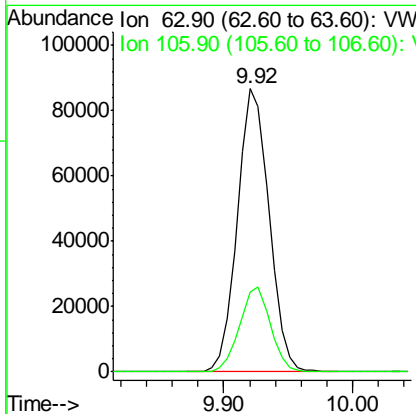
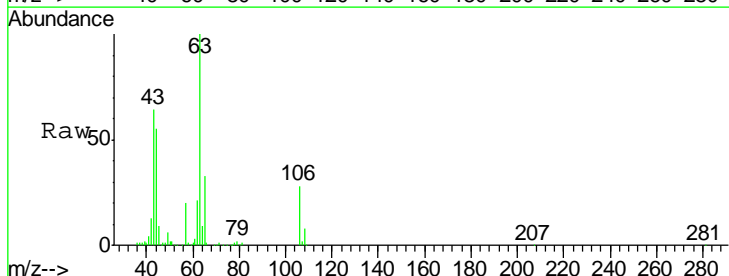
Tgt Ion	Resp	Lower	Upper
76	87381		
76	100		
78	33.4	25.5	38.3

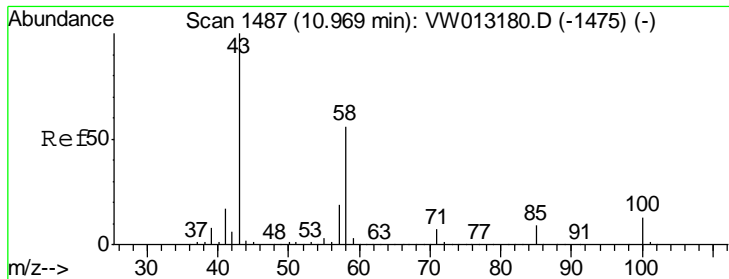
Manual Integrations
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 MMDadoda
 9/24/2019 5:28:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.311 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
63	147377		
63	100		
106	29.2	23.4	35.0





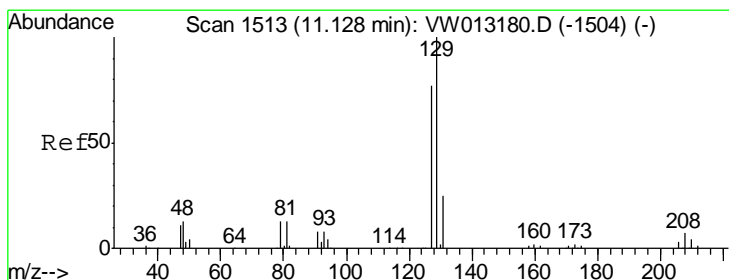
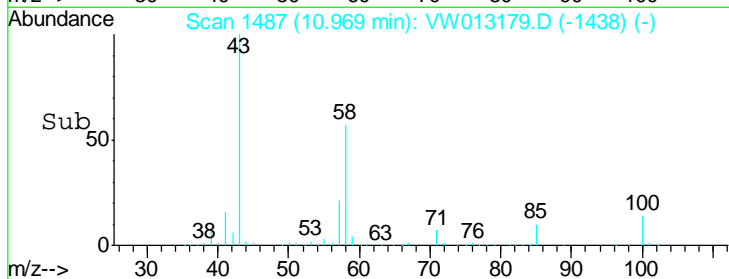
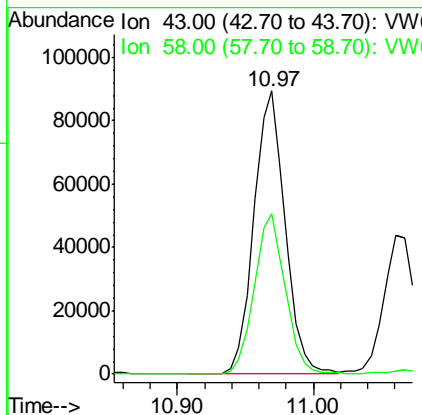
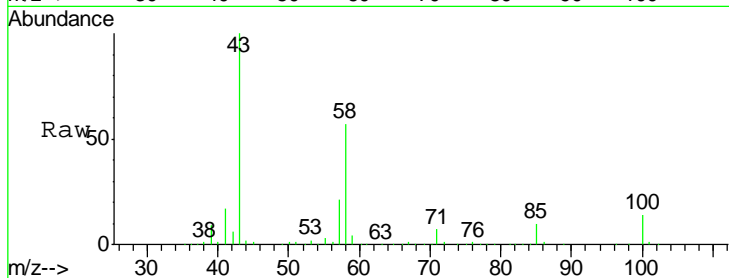
#59
 2-Hexanone
 Concen: 91.561 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.3	28.1	84.2

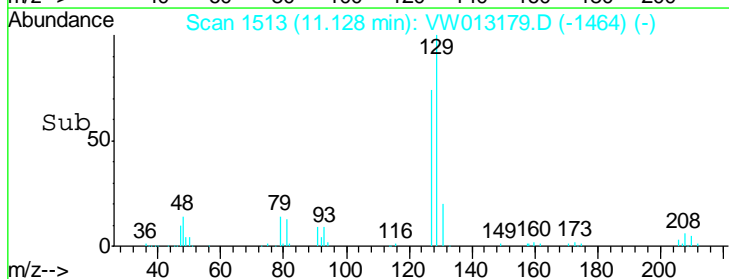
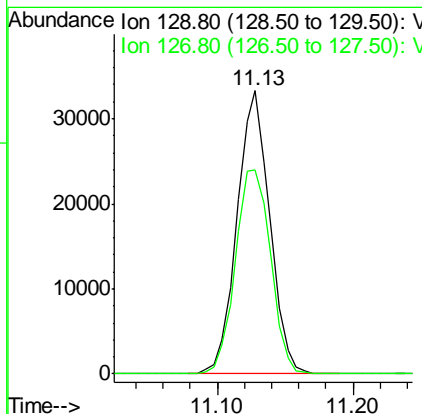
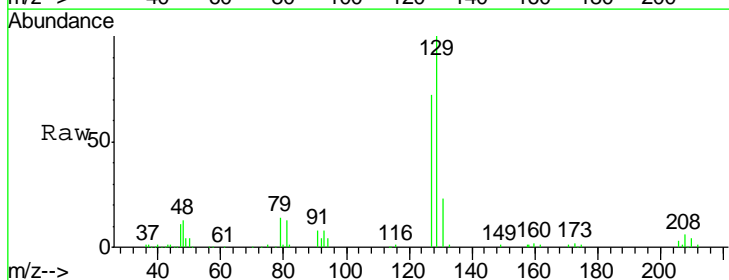
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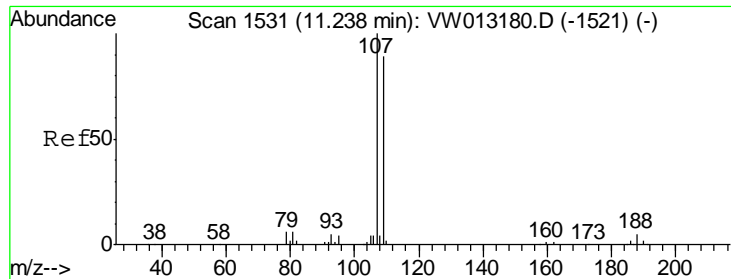
MMDadoda
 9/24/2019 5:28:43 AM



#60
 Dibromochloromethane
 Concen: 19.382 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.8	38.8	116.4





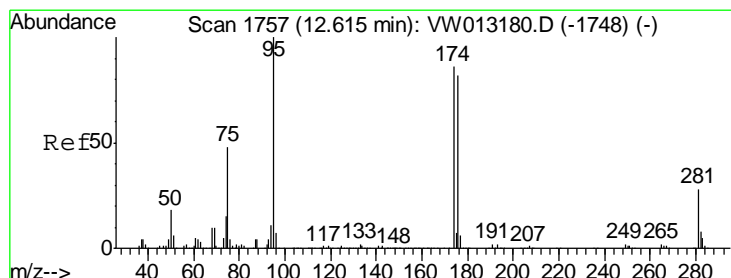
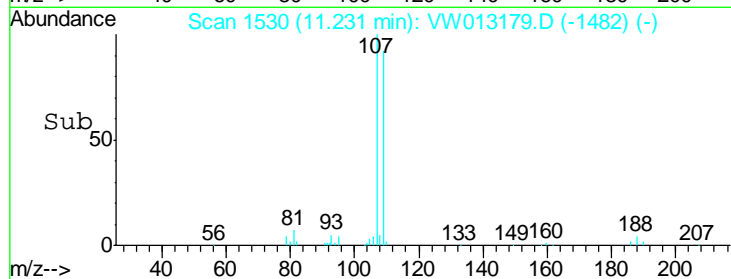
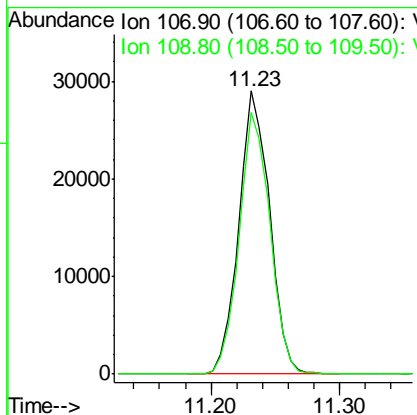
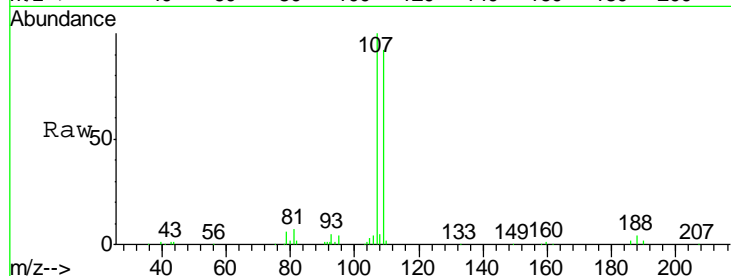
#61
 1,2-Dibromoethane
 Concen: 21.715 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
107	100		
109	92.4	75.2	112.8

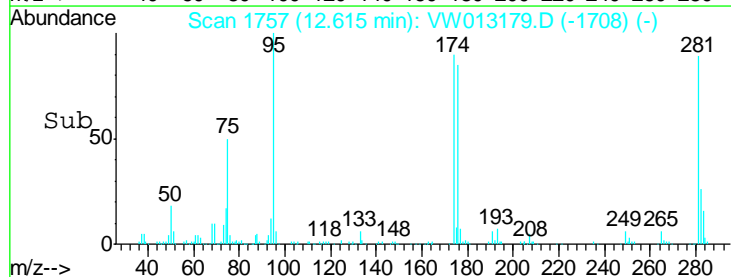
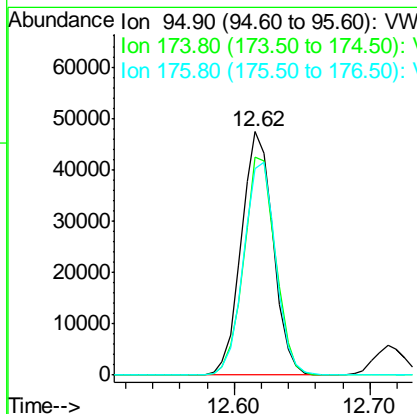
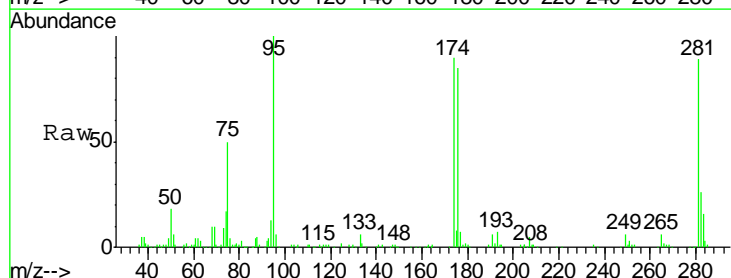
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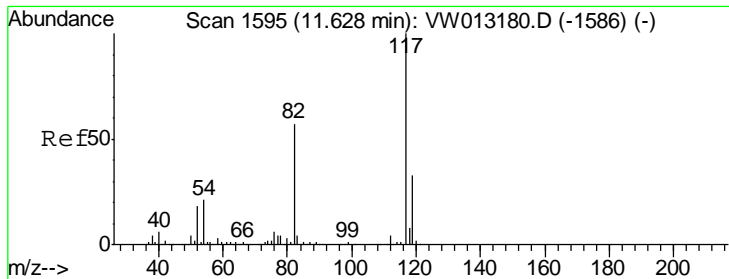
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 9/24/2019 5:28:43 AM



#62
 4-Bromofluorobenzene
 Concen: 18.431 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
95	100		
174	89.4	0.0	178.4
176	88.4	0.0	172.2





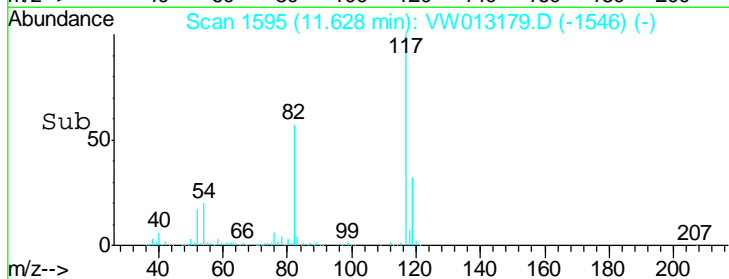
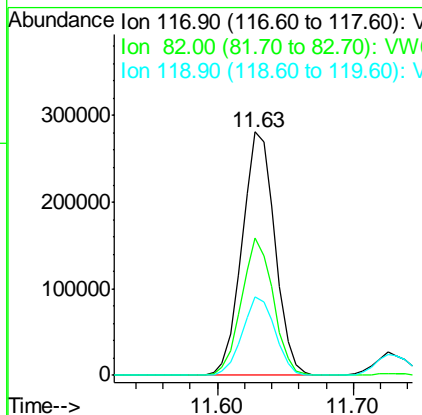
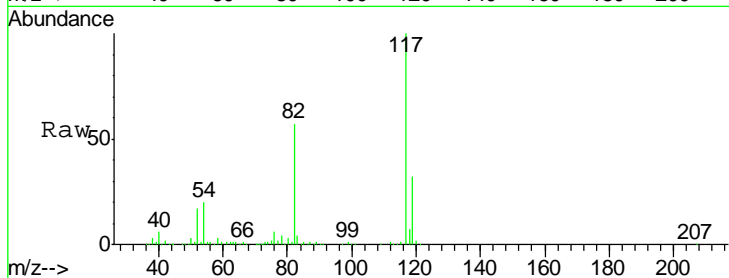
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
117	474695		
82	56.6	45.9	68.9
119	32.3	26.2	39.2

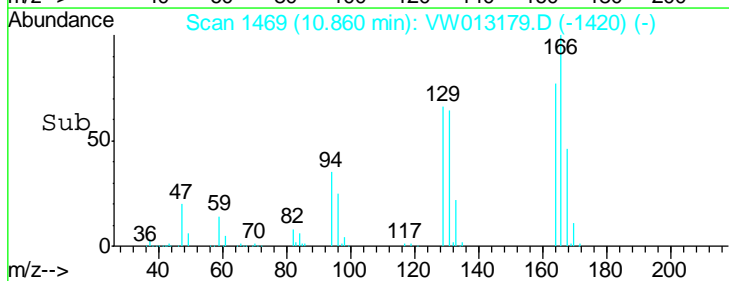
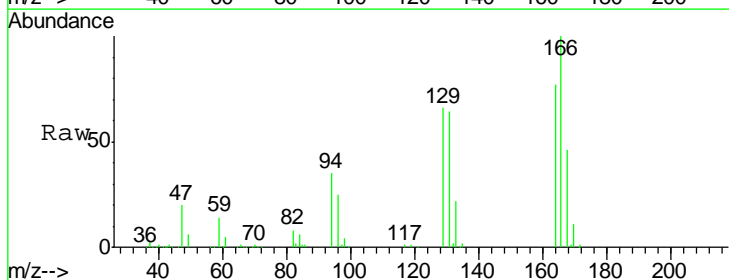
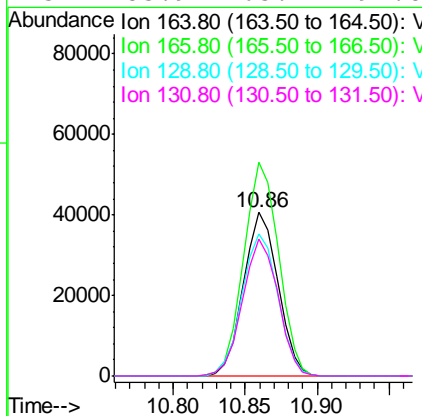
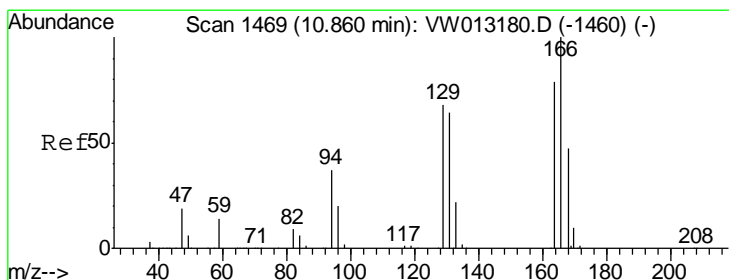
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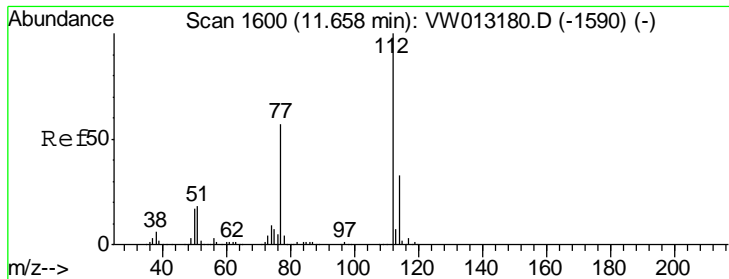
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#64
 Tetrachloroethene
 Concen: 22.941 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
164	67677		
166	130.7	101.2	151.8
129	86.6	68.8	103.2
131	83.9	65.2	97.8





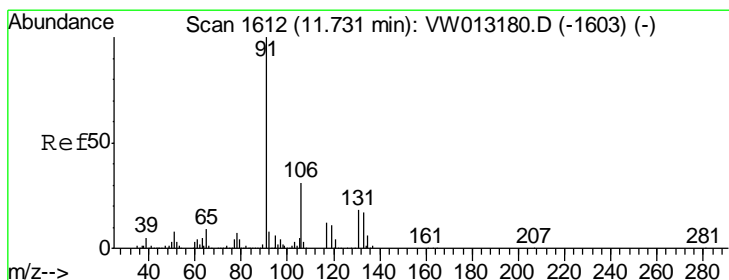
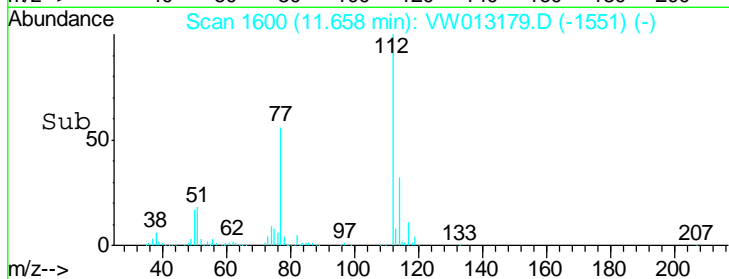
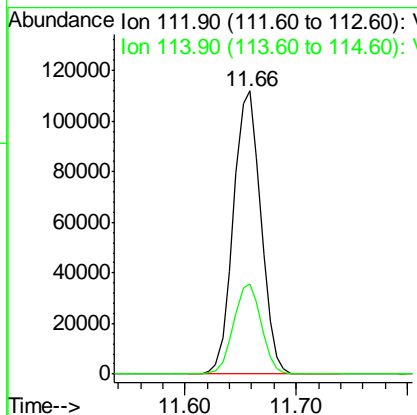
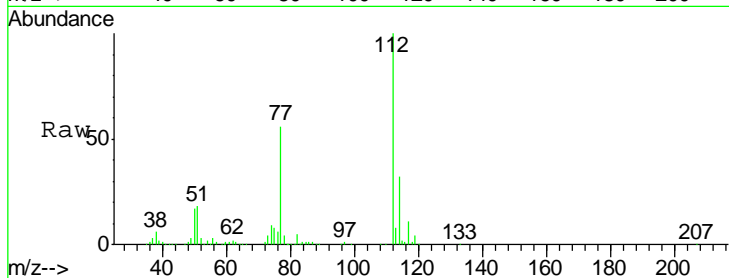
#65
 Chlorobenzene
 Concen: 22.041 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
112	191155		
114	31.9	26.5	39.7

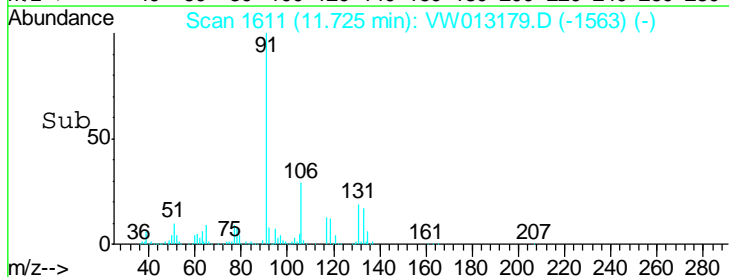
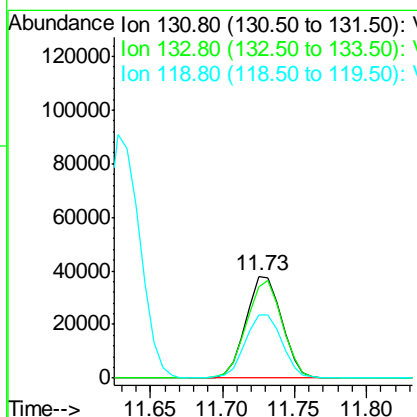
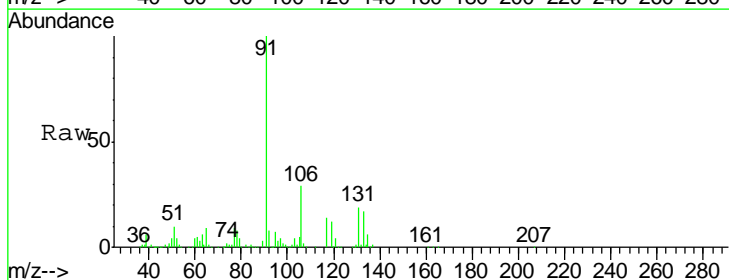
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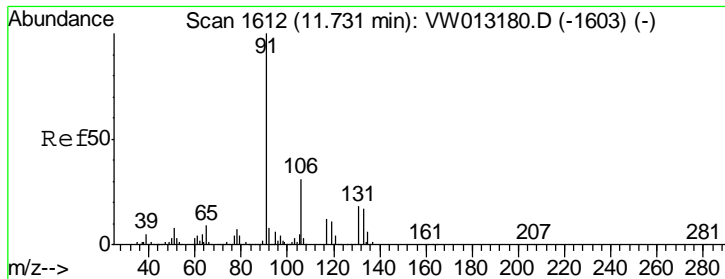
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 20.072 ug/l
 RT: 11.73 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
131	65363		
133	96.0	47.5	142.6
119	63.8	32.5	97.5





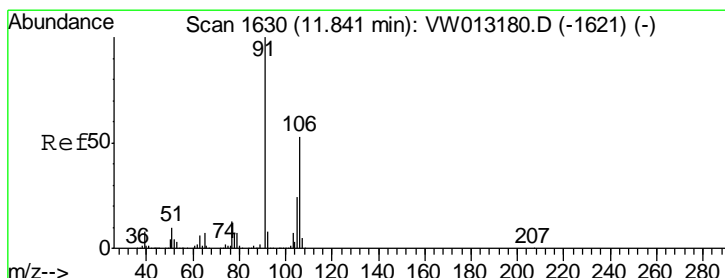
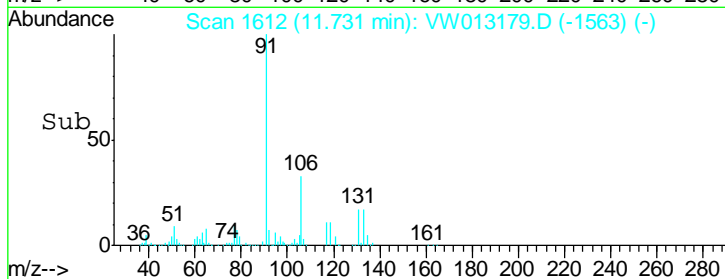
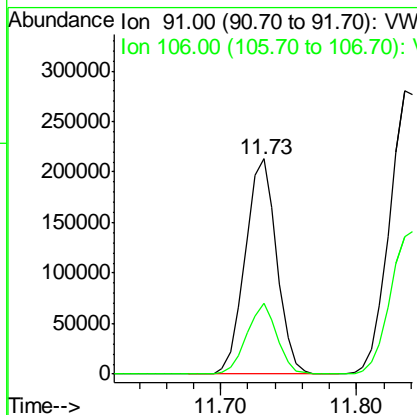
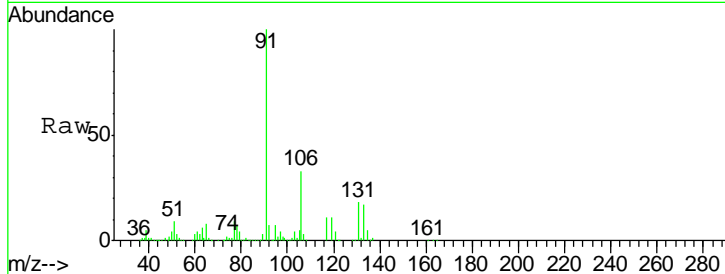
#67
Ethyl Benzene
Concen: 21.656 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
106	33.0	24.9	37.3

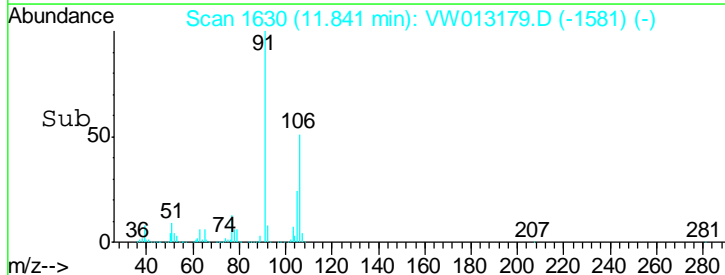
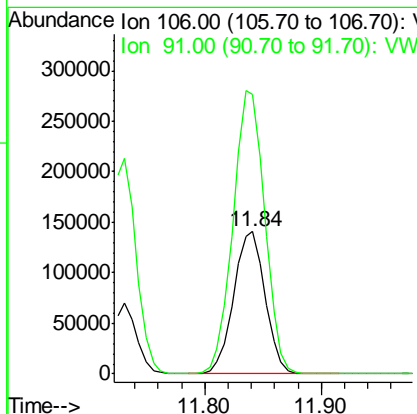
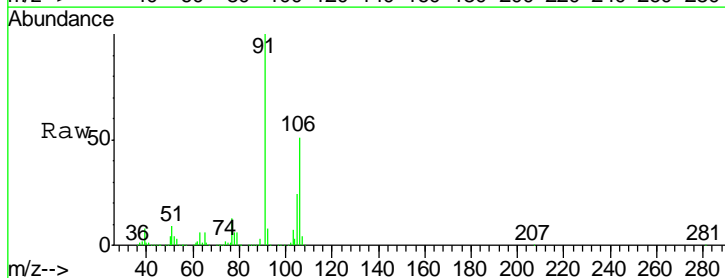
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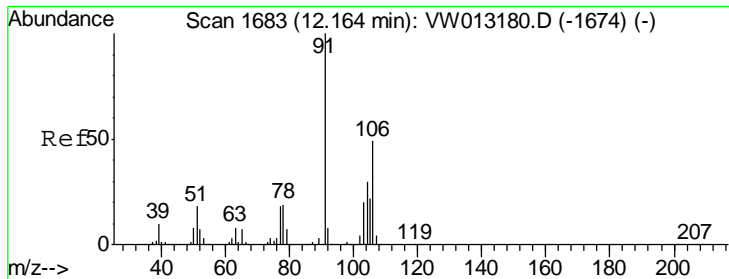
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#68
m/p-Xylenes
Concen: 45.023 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.6	157.9	236.9





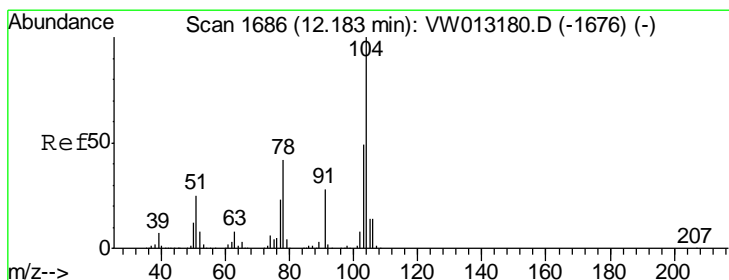
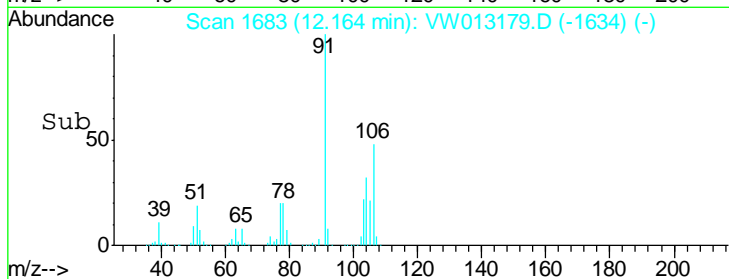
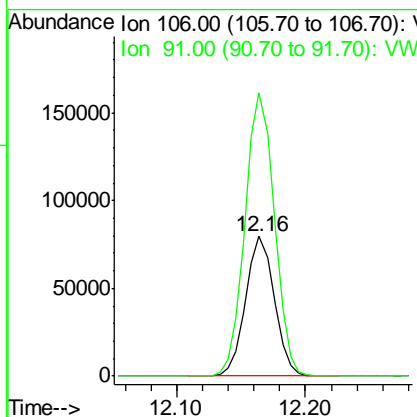
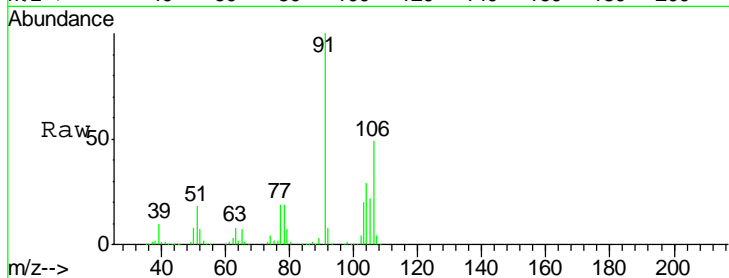
#69
 o-Xylene
 Concen: 22.204 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
106	122053		
106	100		
91	208.0	106.5	319.5

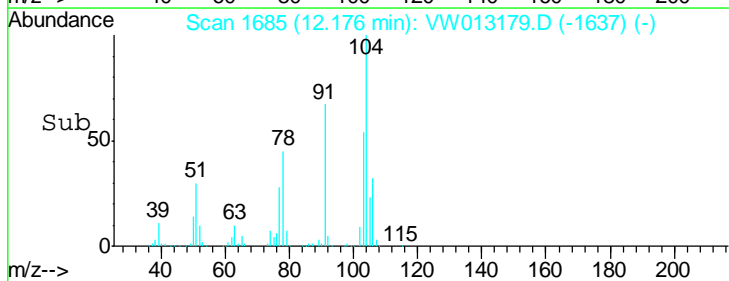
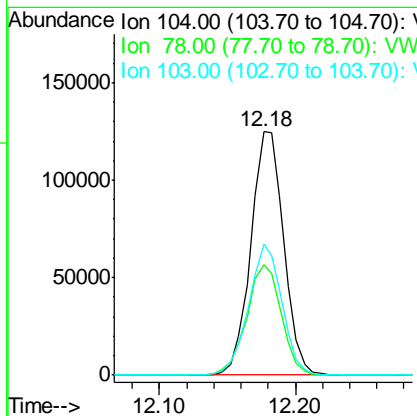
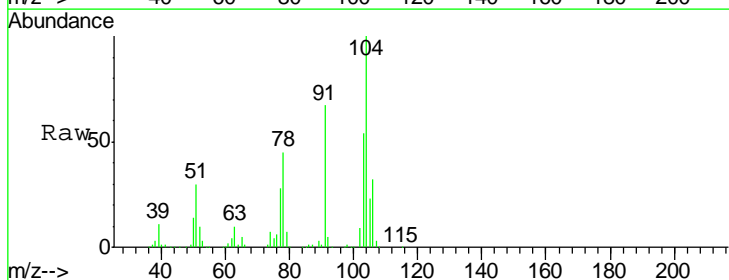
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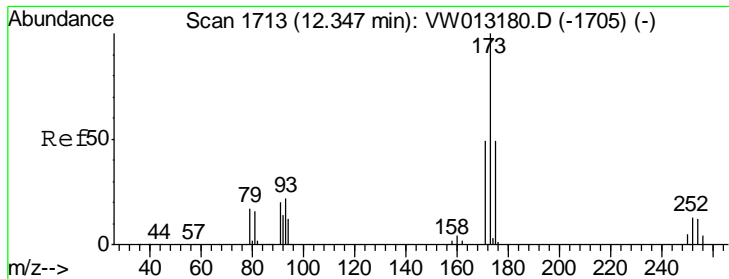
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#70
 Styrene
 Concen: 21.700 ug/l
 RT: 12.18 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

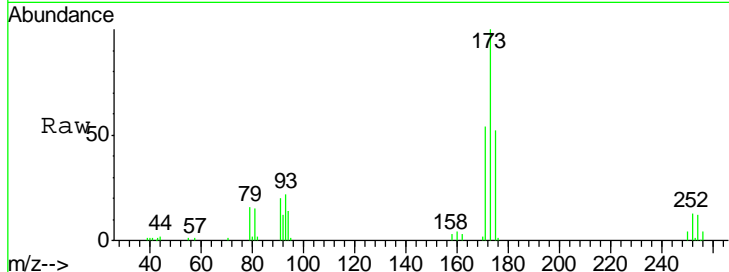
Tgt Ion	Resp	Lower	Upper
104	211379		
104	100		
78	47.9	38.4	57.6
103	54.8	43.3	64.9





#71
 Bromoform
 Concen: 19.735 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

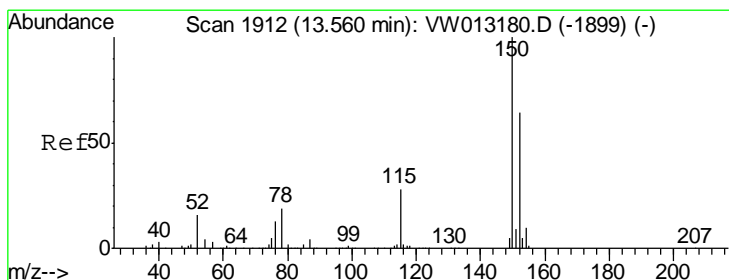
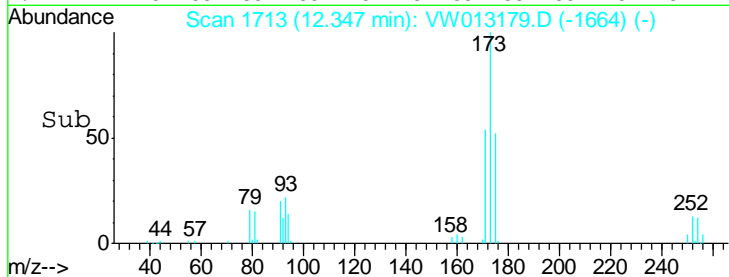
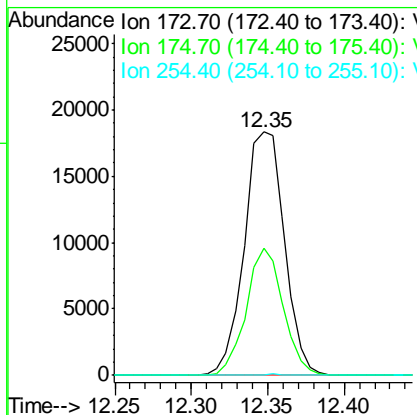
Instrument : MSVOA_W
 Client Sampled : VSTDIC020



Tgt Ion	Resp	Lower	Upper
173	100		
175	47.8	24.3	73.0
254	0.2	0.1	0.1

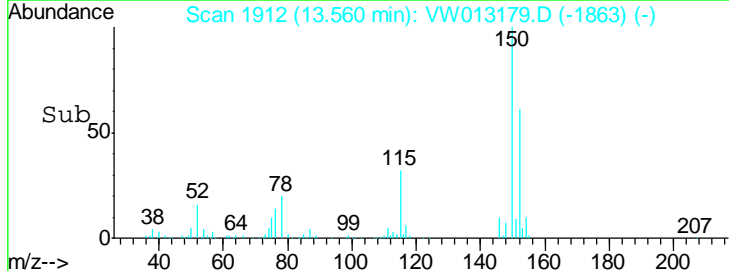
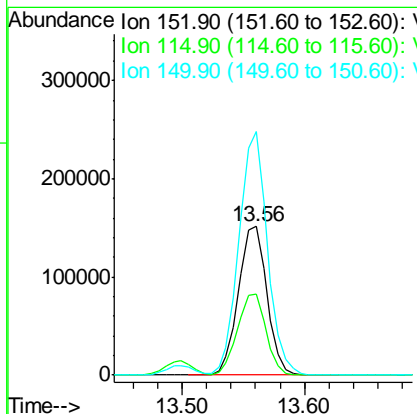
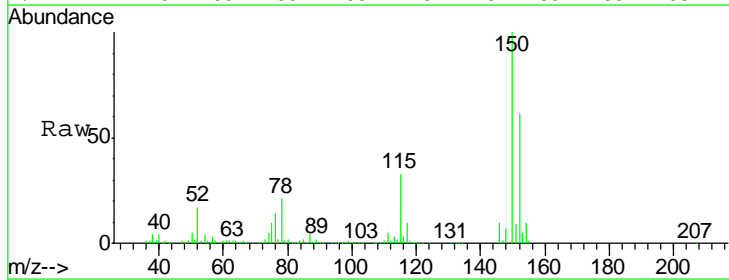
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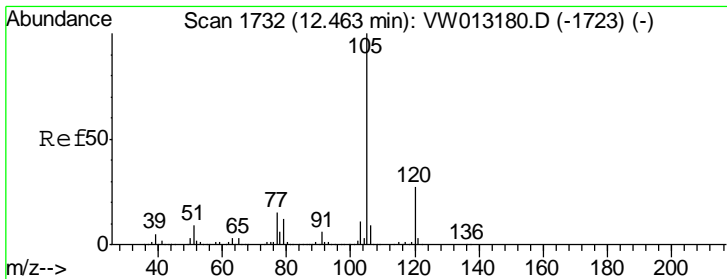
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

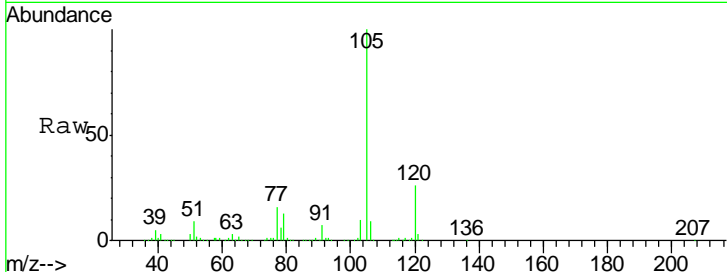
Tgt Ion	Resp	Lower	Upper
152	100		
115	54.7	27.3	81.9
150	163.7	0.0	349.0





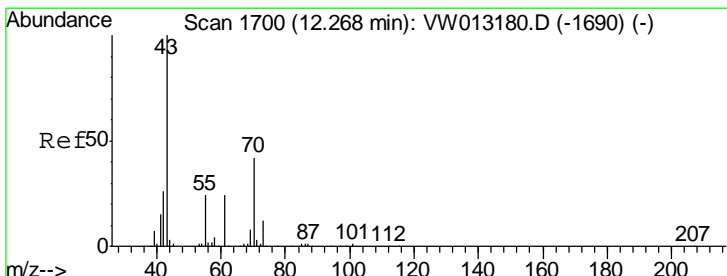
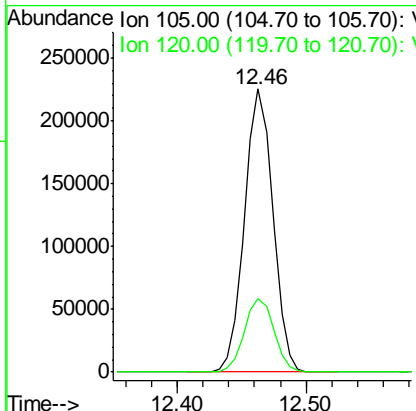
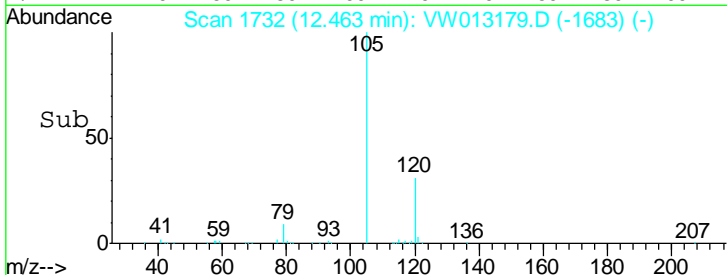
#73
 Isopropylbenzene
 Concen: 20.870 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

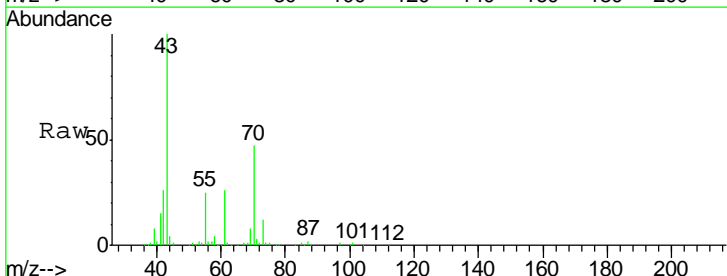


Tgt Ion: 105 Resp: 342371
 Ion Ratio Lower Upper
 105 100
 120 27.1 13.4 40.1

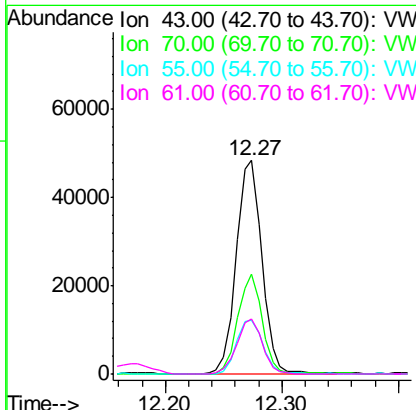
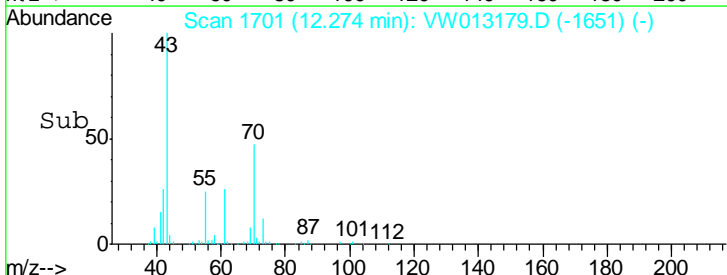
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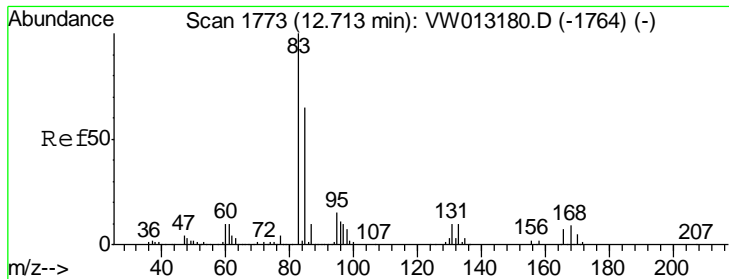


#74
 N-nyl acetate
 Concen: 18.194 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35



Tgt Ion: 43 Resp: 74826
 Ion Ratio Lower Upper
 43 100
 70 44.4 35.1 52.7
 55 26.3 19.9 29.9
 61 25.6 19.5 29.3





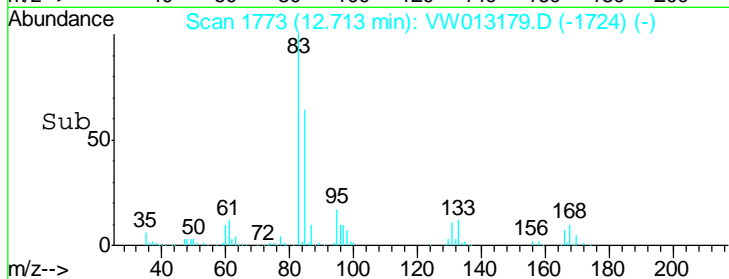
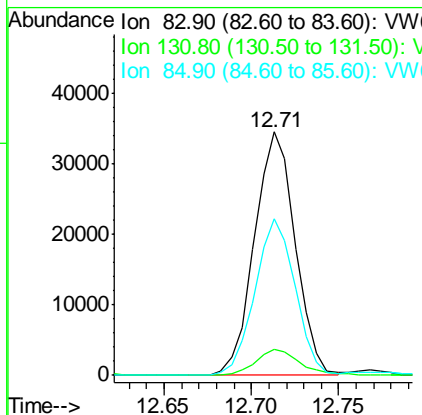
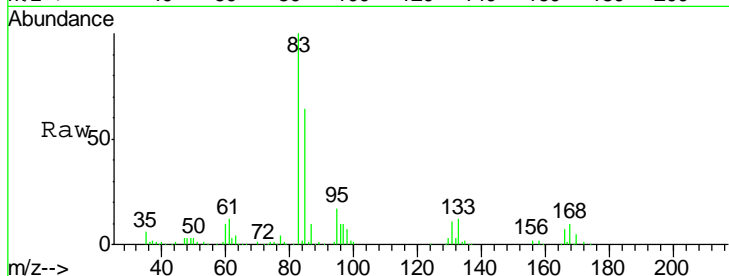
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.751 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	56005		
83	100		
131	11.3	5.4	16.2
85	63.5	31.9	95.9

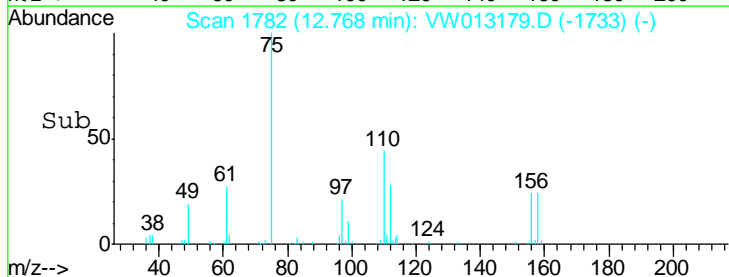
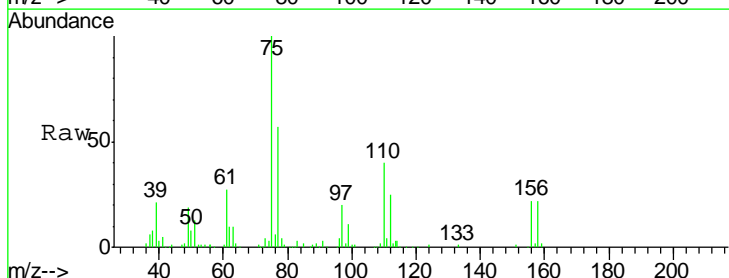
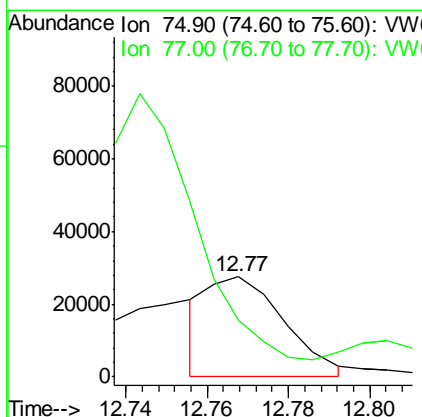
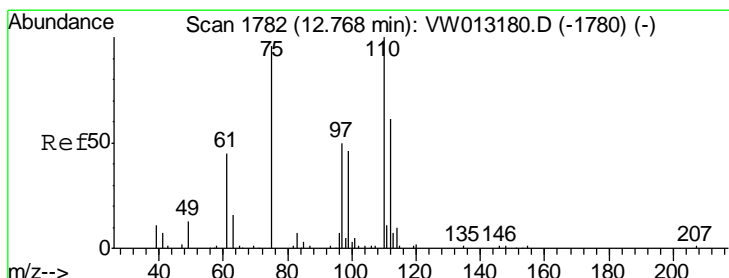
Manual Integrations
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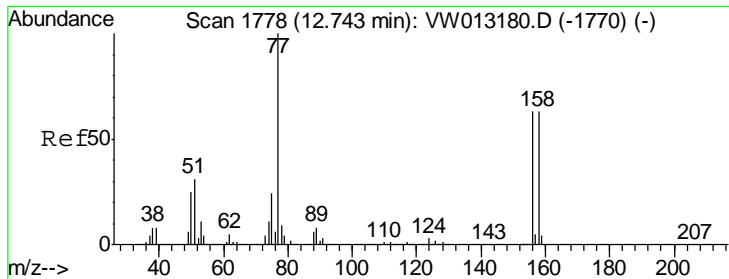
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#76
 1,2,3-Trichloropropane
 Concen: 17.015 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
75	36160		
75	100		
77	0.0	0.0	0.0





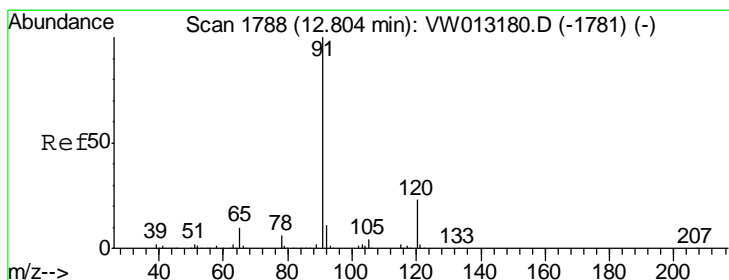
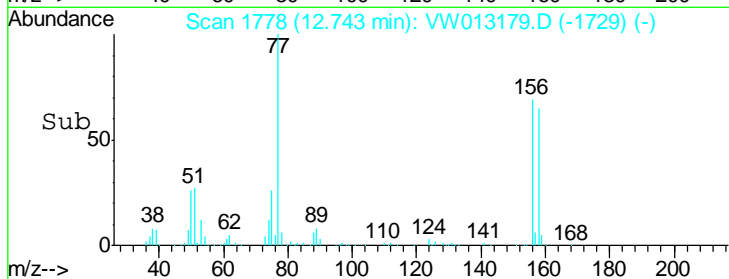
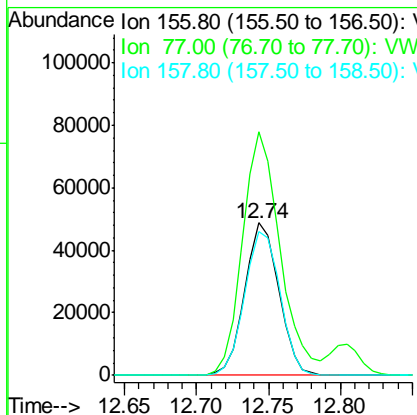
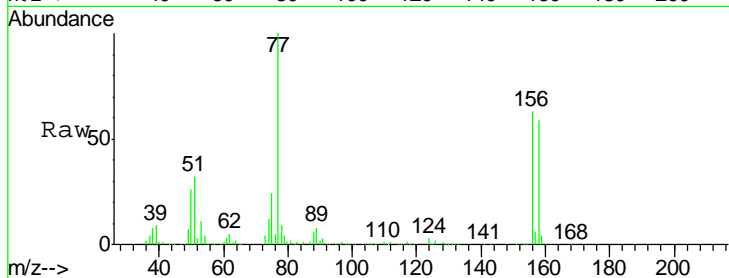
#77
 Bromobenzene
 Concen: 20.904 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	100		
77	177.1	85.7	257.1
158	98.1	48.1	144.4

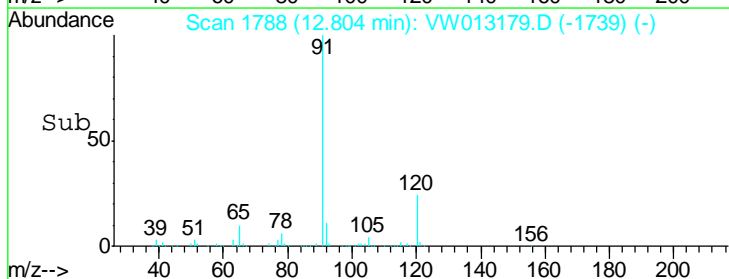
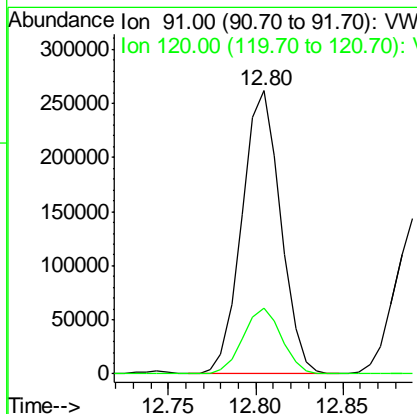
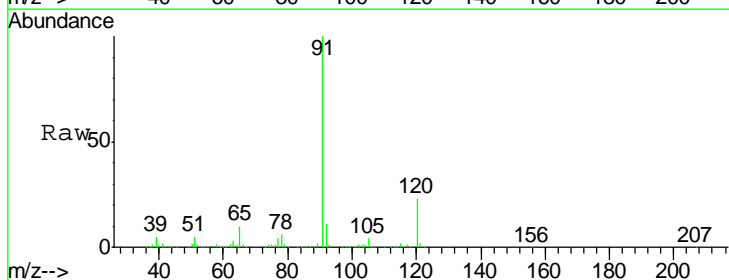
Manual Integrations
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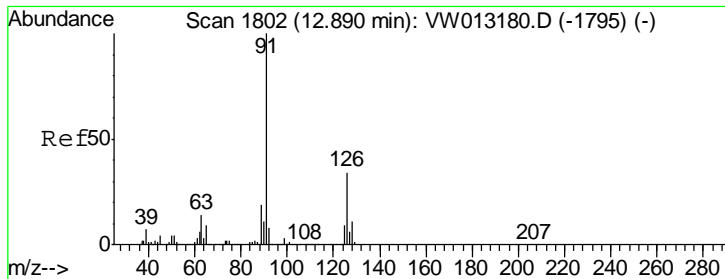
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#78
 n-propylbenzene
 Concen: 20.839 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.2	11.7	35.1





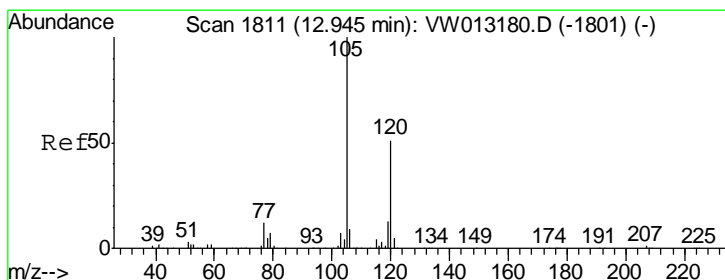
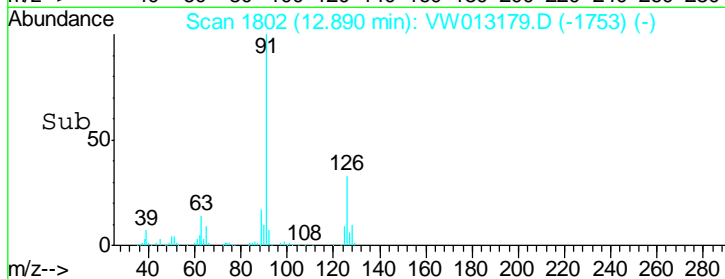
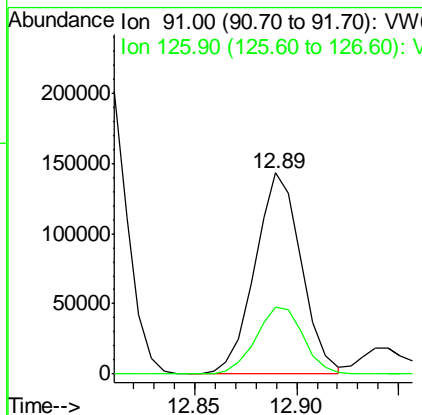
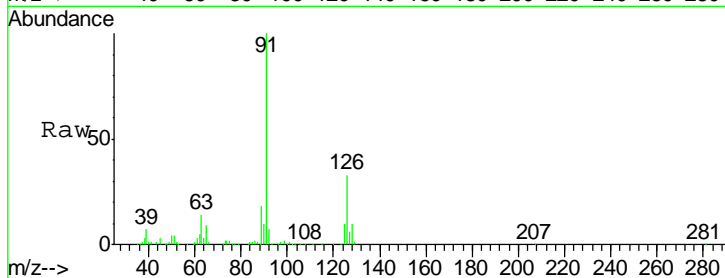
#79
 2-Chlorotoluene
 Concen: 20.428 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.4	17.2	51.5

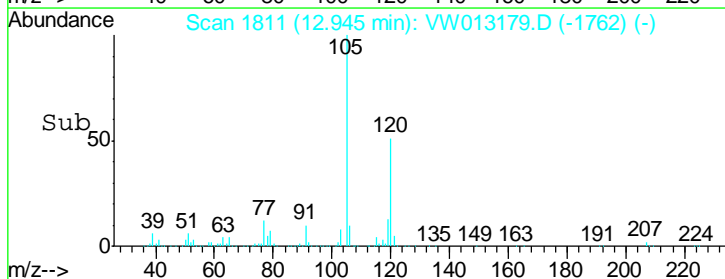
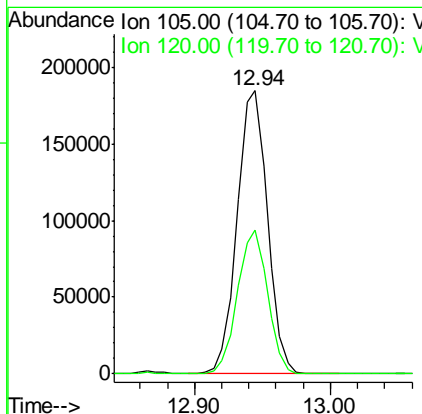
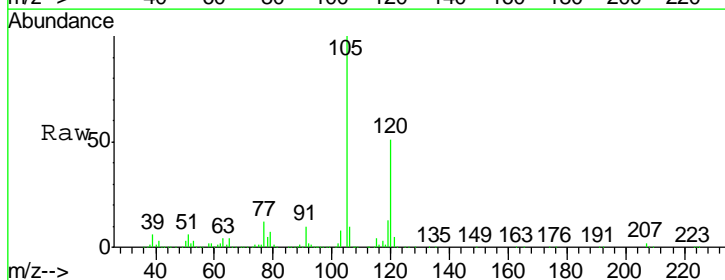
Manual Integrations
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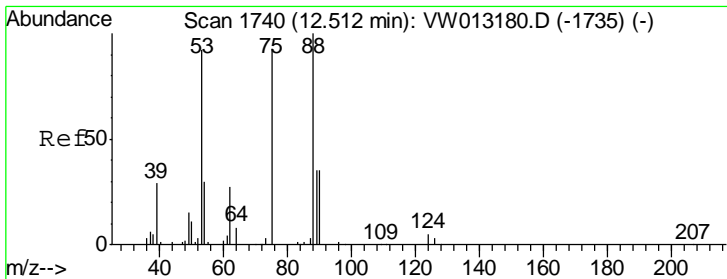
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.670 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.5	24.9	74.8





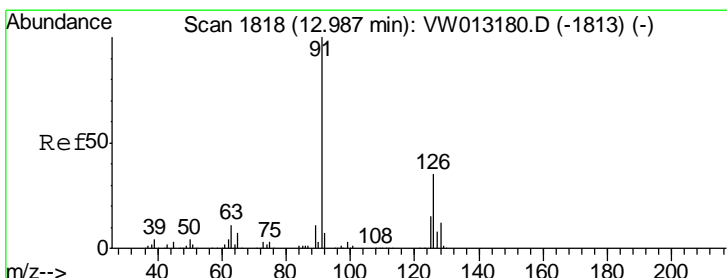
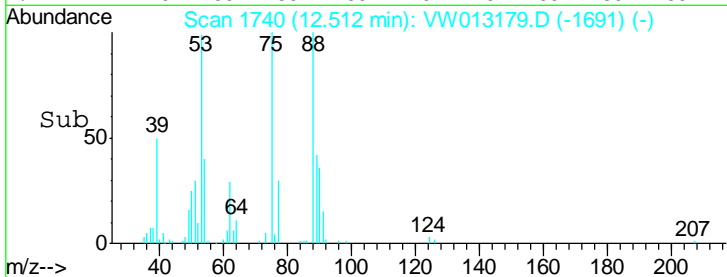
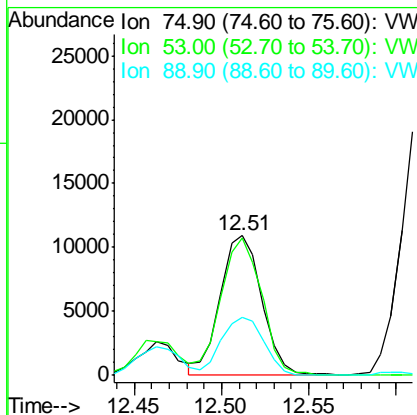
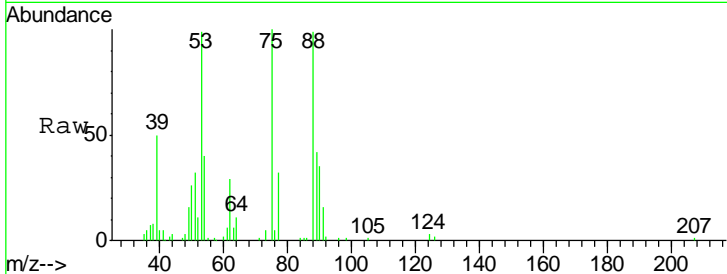
#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.282 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	18109		
75	100		
53	96.6	76.6	114.8
89	41.8	33.5	50.3

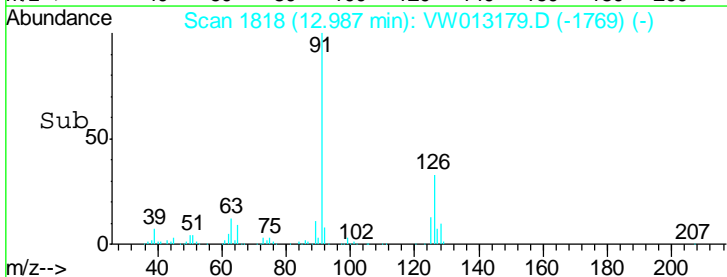
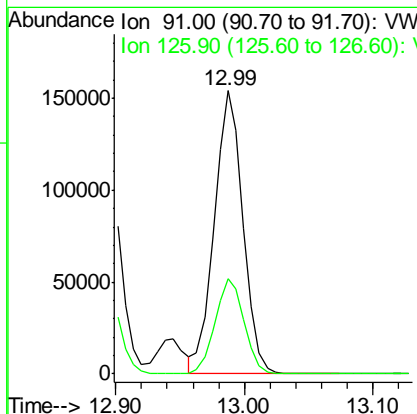
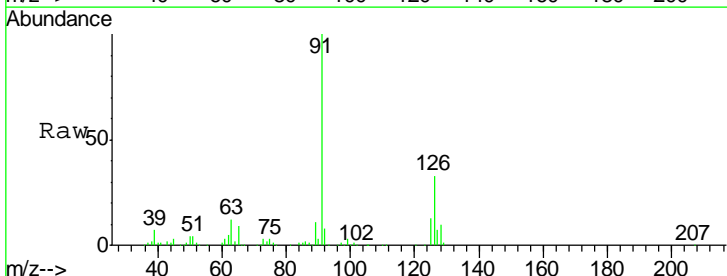
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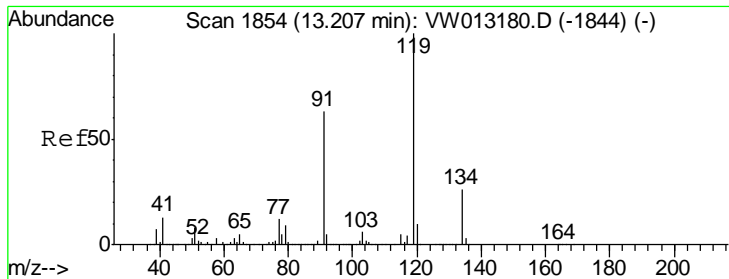
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#82
 4-Chlorotoluene
 Concen: 20.697 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

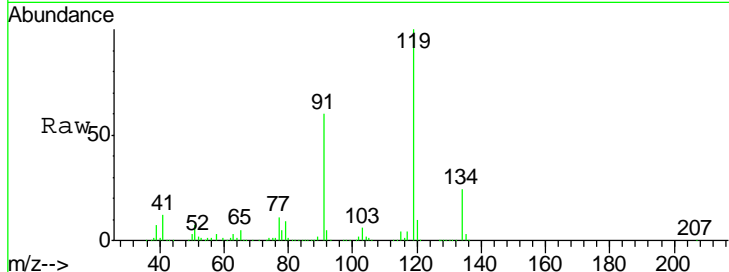
Tgt Ion	Resp	Lower	Upper
91	239977		
91	100		
126	34.0	17.3	51.7





#83
 tert-Butylbenzene
 Concen: 20.659 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

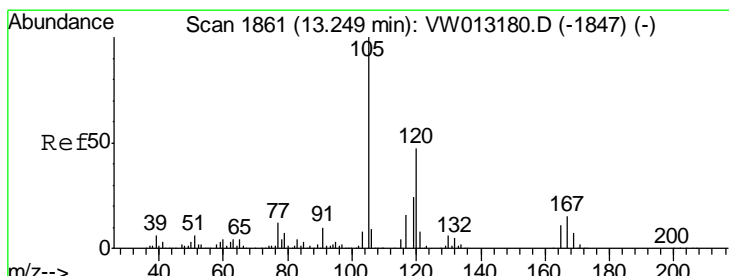
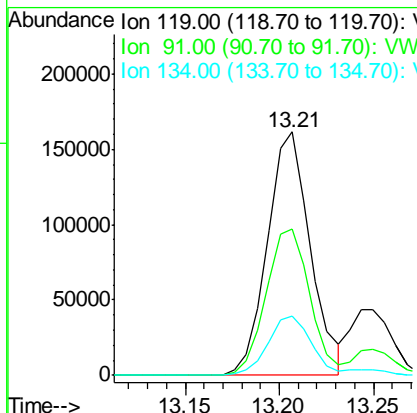
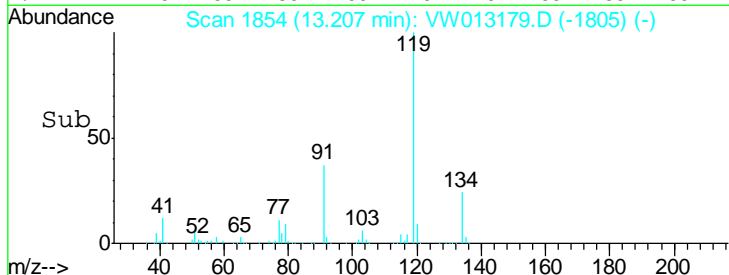
Instrument : MSVOA_W
 ClientSampled : VSTDIC020



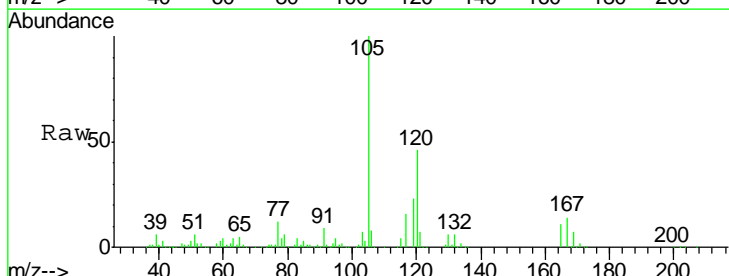
Tgt Ion: 119 Resp: 255592

Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	26.6	12.6	37.6

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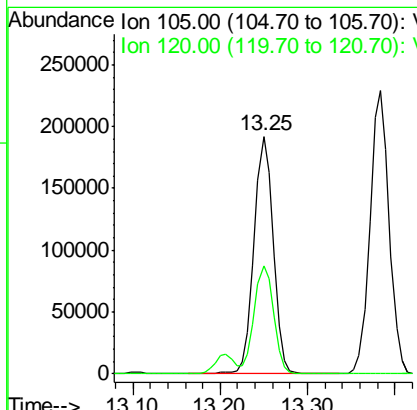
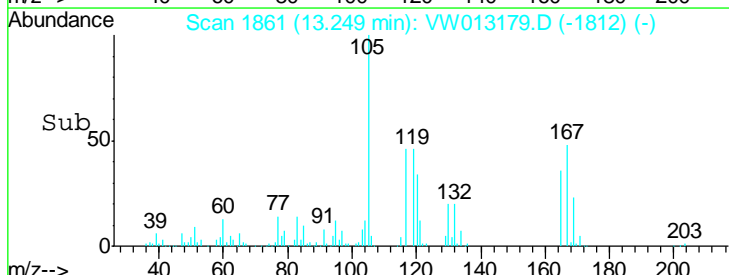


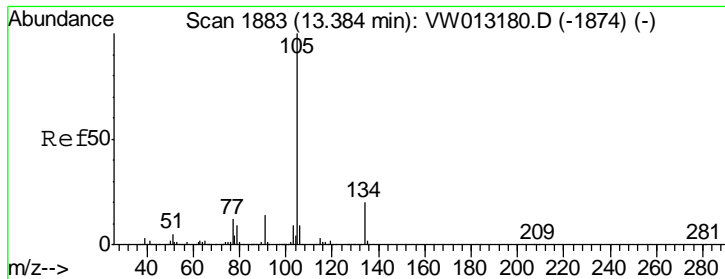
#84
 1,2,4-Trimethylbenzene
 Concen: 21.256 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35



Tgt Ion: 105 Resp: 291721

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.4	70.3





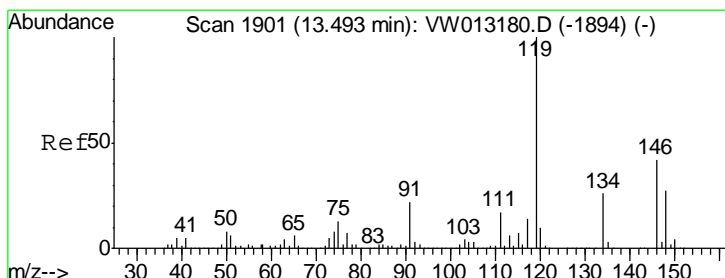
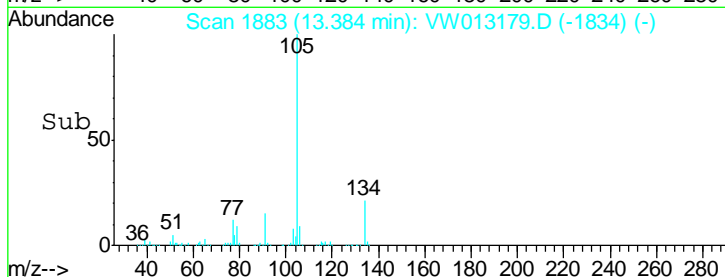
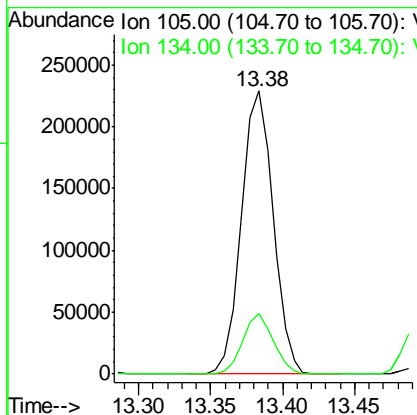
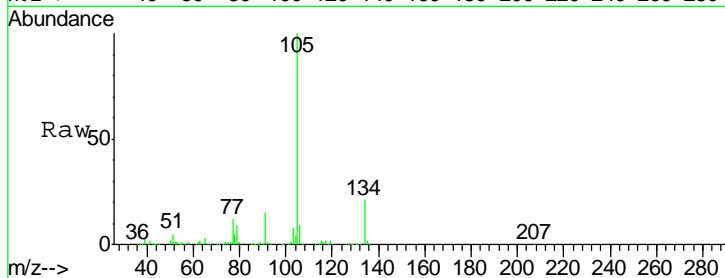
#85
 sec-Butylbenzene
 Concen: 20.681 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	349690		
134	20.5	10.3	30.8

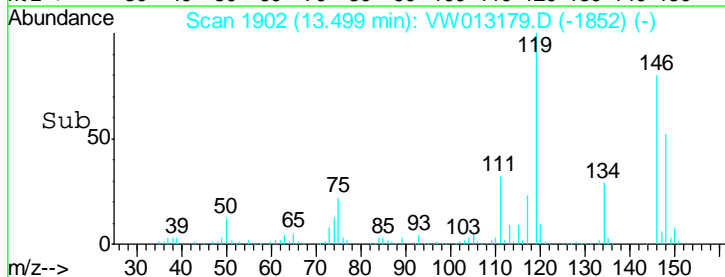
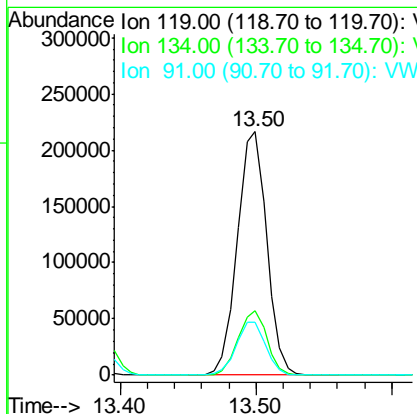
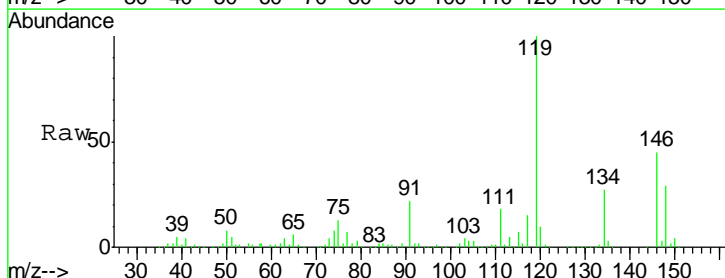
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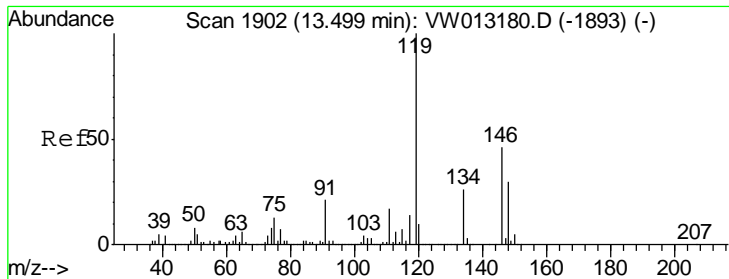
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#86
 p-Isopropyltoluene
 Concen: 20.916 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
119	325198		
134	26.2	13.3	39.8
91	22.0	10.8	32.4





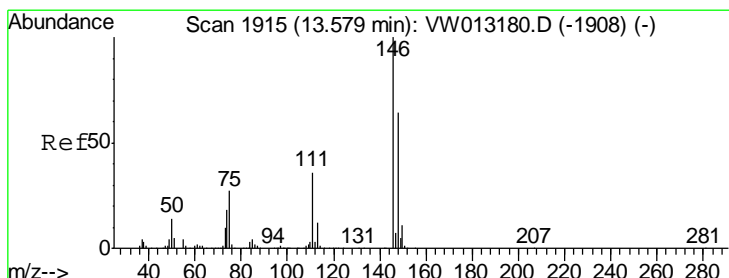
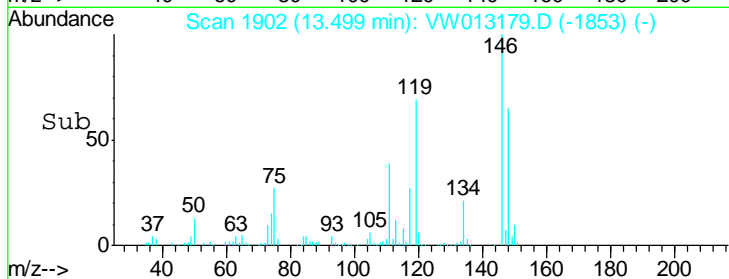
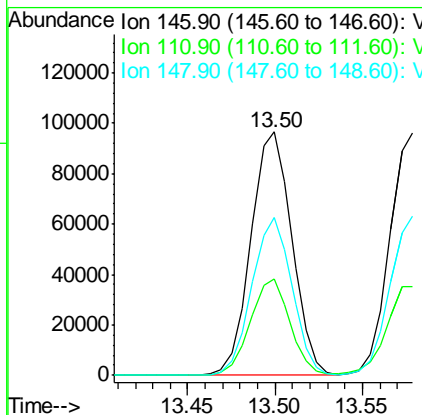
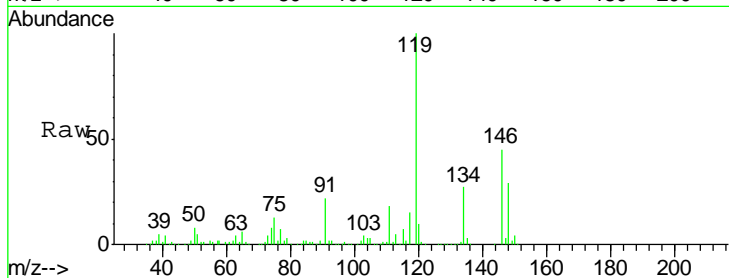
#87
 1,3-Dichlorobenzene
 Concen: 20.941 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	157148		
146	100		
111	38.6	18.9	56.9
148	63.6	31.9	95.5

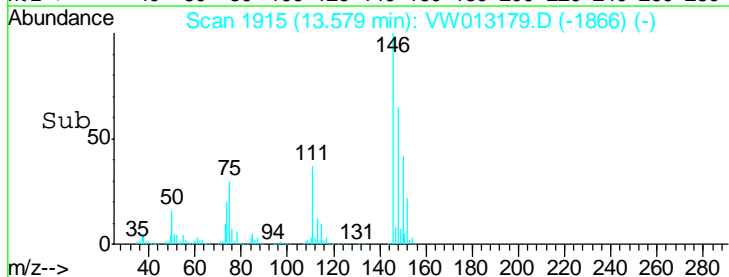
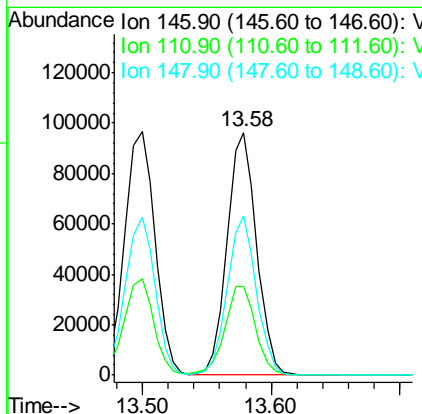
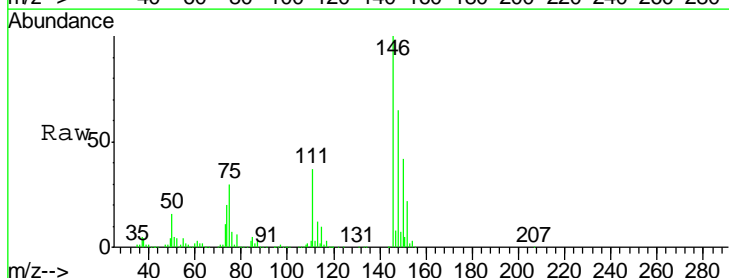
Manual Integrations
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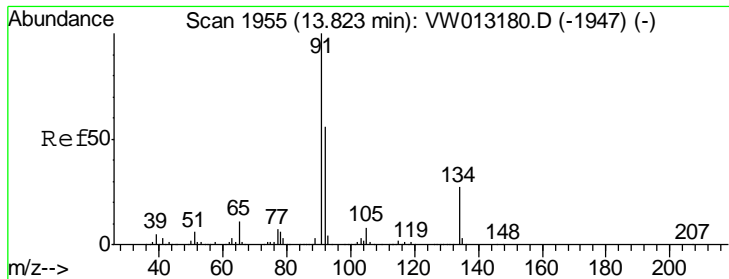
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#88
 1,4-Dichlorobenzene
 Concen: 20.937 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
146	154029		
146	100		
111	38.5	18.4	55.0
148	64.8	32.1	96.3





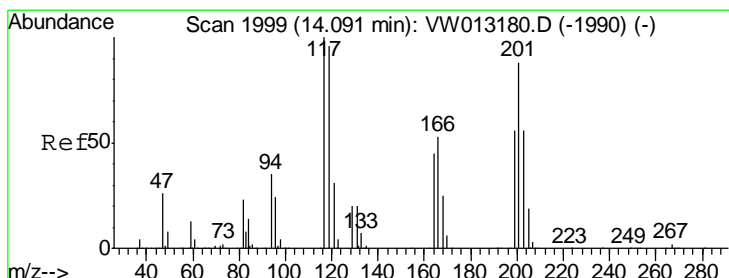
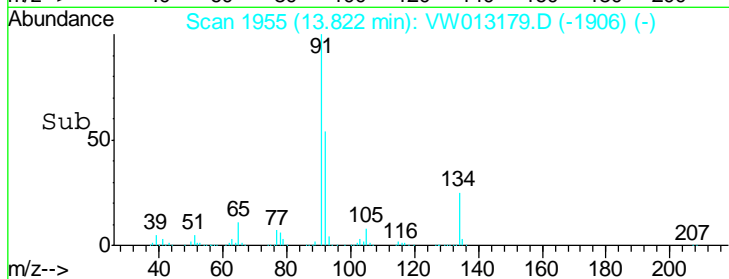
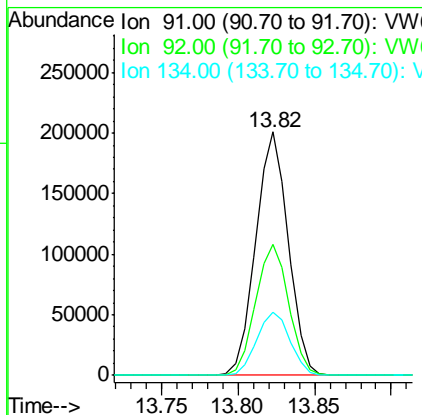
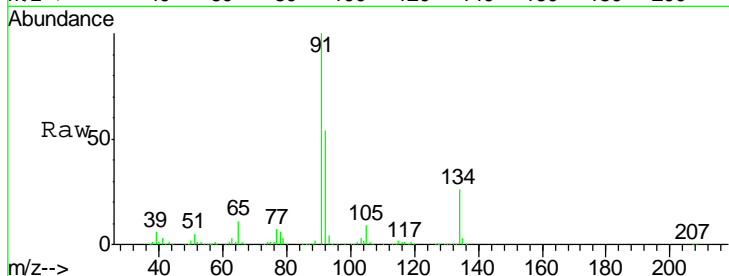
#89
 n-Butylbenzene
 Concen: 20.403 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	26.8	13.7	41.1

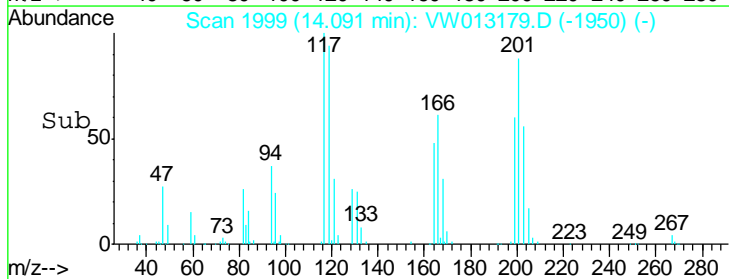
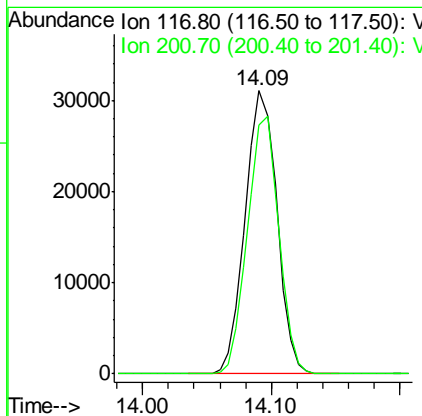
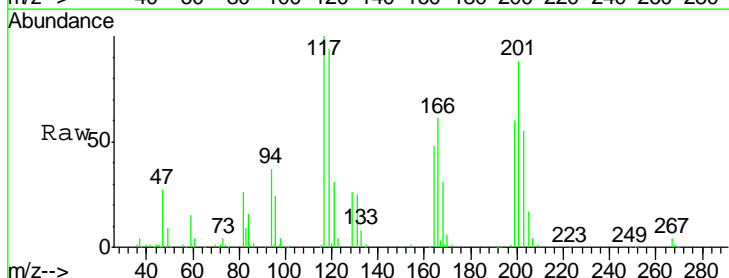
Manual Integrations
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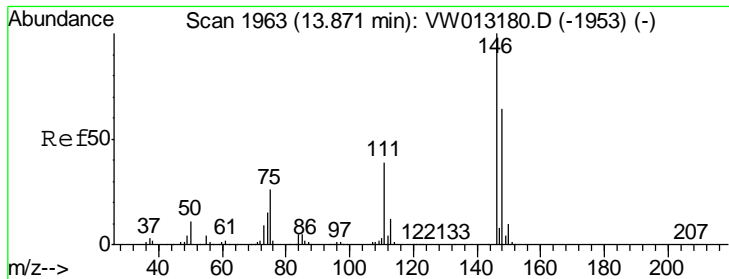
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#90
 Hexachloroethane
 Concen: 19.181 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
117	100		
201	89.5	44.5	133.5





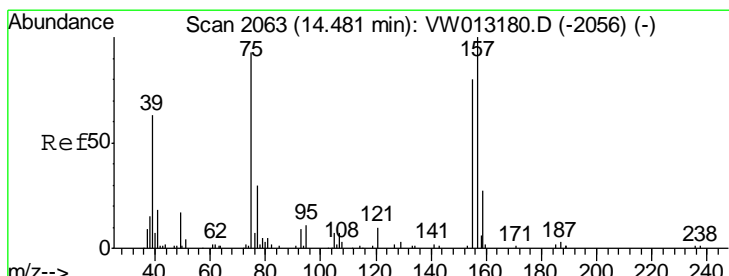
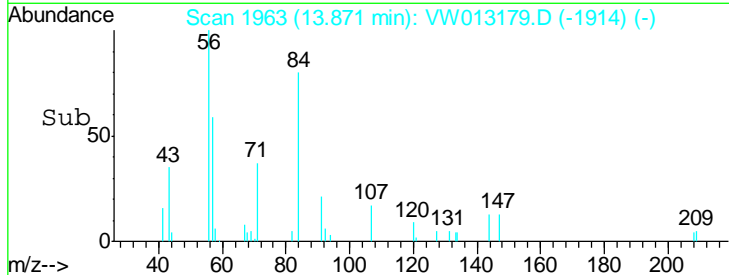
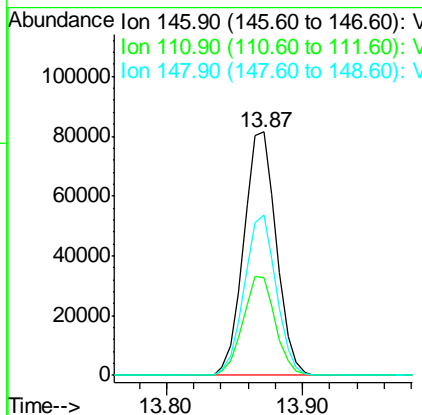
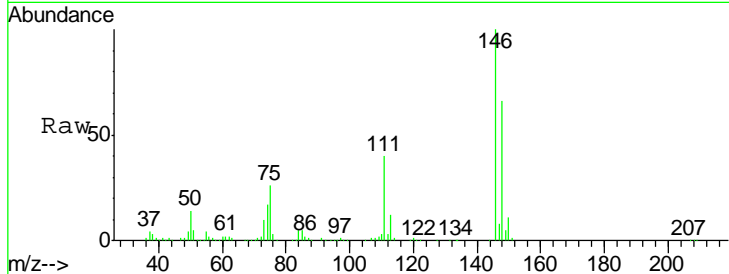
#91
 1,2-Dichlorobenzene
 Concen: 20.719 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	136372		
111	40.5	20.1	60.3
148	64.7	32.0	96.0

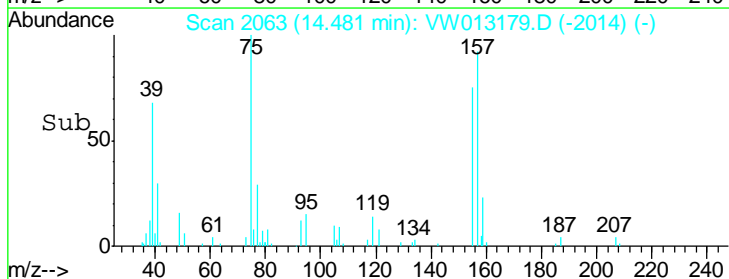
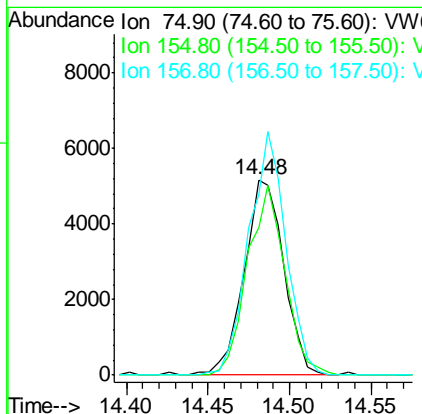
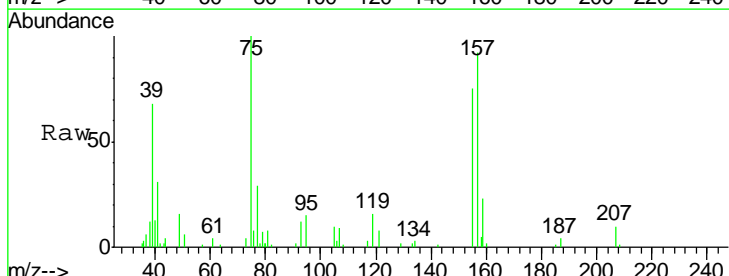
Manual Integrations
 APPROVED

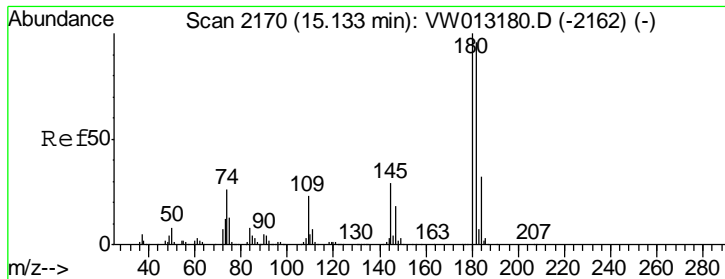
MMDadoda
 9/24/2019 5:28:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.212 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
75	8779		
155	91.3	46.1	138.3
157	115.8	60.4	181.2





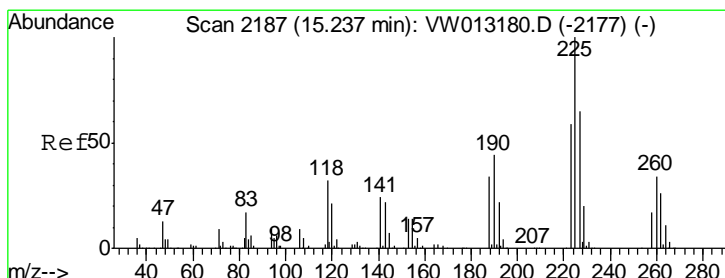
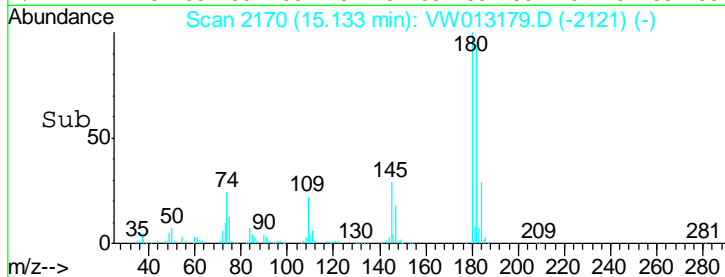
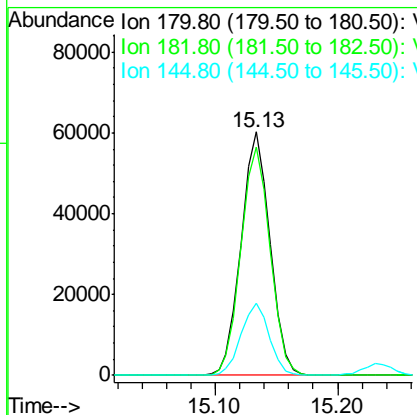
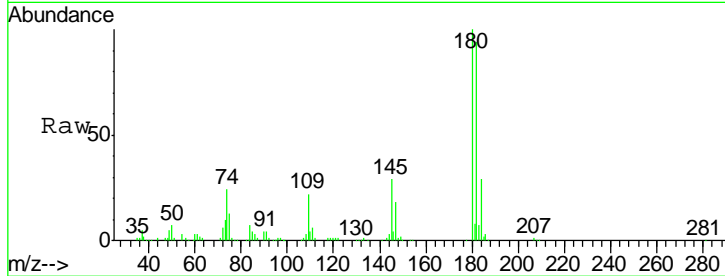
#93
 1,2,4-Trichlorobenzene
 Concen: 20.943 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	28.9	14.2	42.8

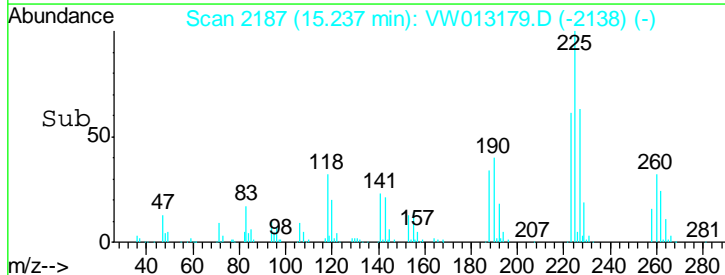
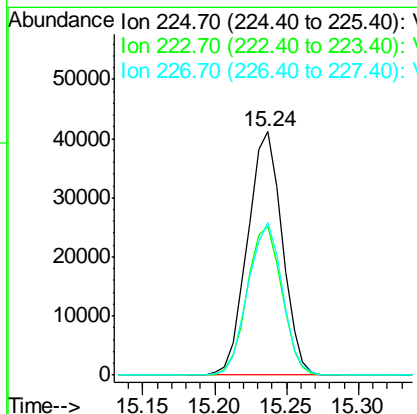
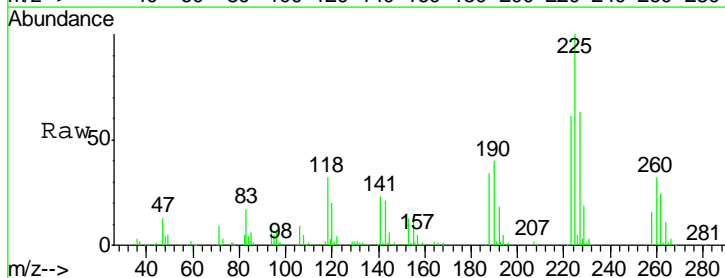
Manual Integrations
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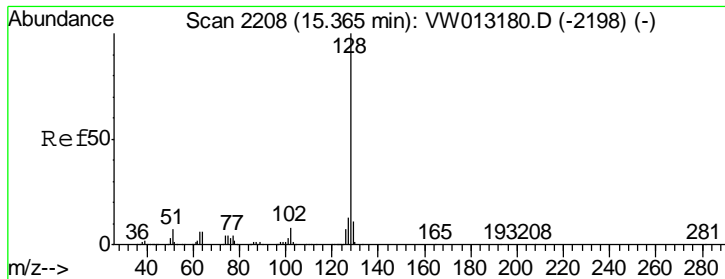
MMDadoda
 9/24/2019 5:28:43 AM



#94
 Hexachlorobutadiene
 Concen: 20.602 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
225	100		
223	61.2	30.6	91.8
227	62.3	31.9	95.9





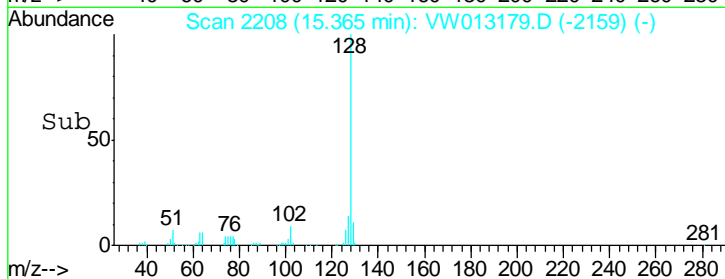
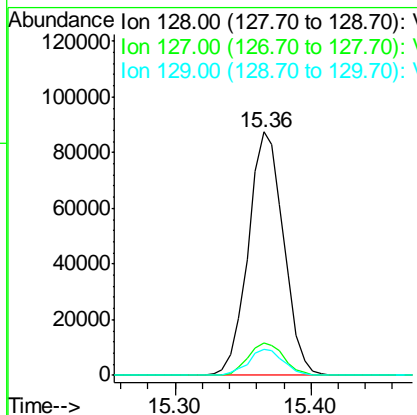
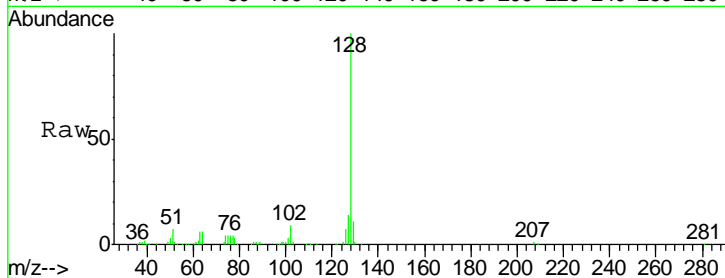
#95
 Naphthalene
 Concen: 20.419 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
128	159217		
127	13.5	10.6	15.8
129	10.7	8.7	13.1

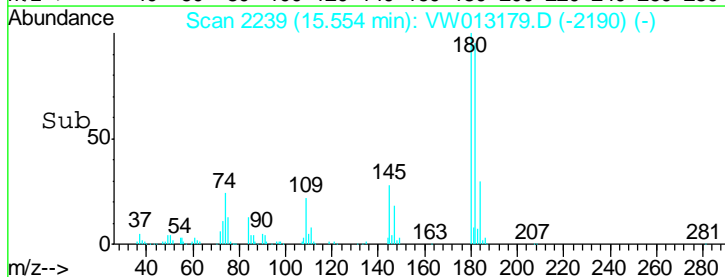
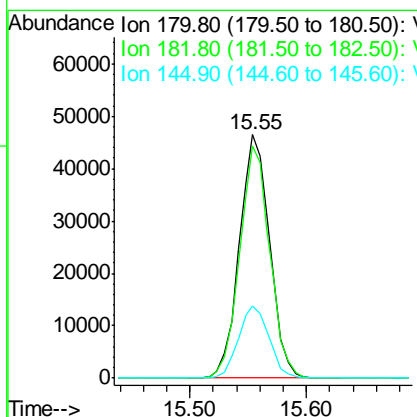
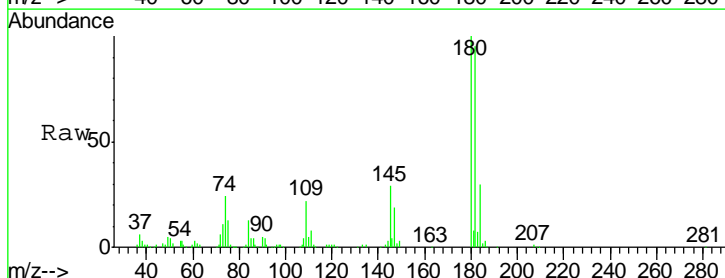
Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:43 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 20.251 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
180	83920		
182	95.0	47.9	143.7
145	29.9	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013180.D
 Acq On : 20 Sep 2019 14:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Manual Integrations
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MMDadoda
 9/24/2019 5:28:45 AM

Quant Time: Sep 20 15:15:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	361138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	520196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	449633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147978	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
35) Dibromofluoromethane	7.88	113	144153	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.32	98	611038	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
62) 4-Bromofluorobenzene	12.62	95	206285	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	97132	59.419	ug/l	100
3) Chloromethane	2.21	50	122019	58.572	ug/l	100
4) Vinyl Chloride	2.36	62	163342	59.990	ug/l	100
5) Bromomethane	2.77	94	106919	63.293	ug/l	100
6) Chloroethane	2.92	64	100050	60.226	ug/l	100
7) Trichlorofluoromethane	3.25	101	97301	53.264	ug/l	100
8) Diethyl Ether	3.68	74	84350	57.777	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	159657	56.554	ug/l	100
10) Methyl Iodide	4.27	142	251156	68.042	ug/l	100
11) Tert butyl alcohol	5.18	59	47925	189.488	ug/l	100
12) 1,1-Dichloroethene	4.04	96	164693	62.586	ug/l	100
13) Acrolein	3.89	56	44811	195.610	ug/l	100
14) Allyl chloride	4.66	41	267502	55.436	ug/l	100
15) Acrylonitrile	5.37	53	179063	249.124	ug/l	100
16) Acetone	4.13	43	157066	205.247	ug/l	100
17) Carbon Disulfide	4.38	76	486110	83.904	ug/l	100
18) Methyl Acetate	4.67	43	86806	45.933	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	257586	52.193	ug/l	100
20) Methylene Chloride	4.91	84	174000	53.671	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	181754	64.290	ug/l	100
22) Diisopropyl ether	6.31	45	516921	52.372	ug/l	100
23) Vinyl Acetate	6.25	43	1520107	259.009	ug/l	100
24) 1,1-Dichloroethane	6.21	63	306262	53.270	ug/l	100
25) 2-Butanone	7.17	43	232476	223.844	ug/l	100
26) 2,2-Dichloropropane	7.17	77	191212	47.647	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	193203	58.392	ug/l	100
28) Bromochloromethane	7.51	49	127190	52.810	ug/l	100
29) Tetrahydrofuran	7.52	42	147556	246.036	ug/l	100
30) Chloroform	7.67	83	291463	50.484	ug/l	100
31) Cyclohexane	7.95	56	304353	59.615	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	242775	50.979	ug/l	100
36) 1,1-Dichloropropene	8.08	75	248226	57.873	ug/l	100
37) Ethyl Acetate	7.25	43	103050	47.224	ug/l	100
38) Carbon Tetrachloride	8.07	117	228125	53.062	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013180.D
 Acq On : 20 Sep 2019 14:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Manual Integrations
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 9/24/2019 5:28:45 AM

Quant Time: Sep 20 15:15:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	327630	67.008	ug/l	100
40) Benzene	8.32	78	701356	58.572	ug/l	100
41) Methacrylonitrile	7.48	41	63836	44.896	ug/l	100
42) 1,2-Dichloroethane	8.40	62	188597	48.859	ug/l	100
43) Isopropyl Acetate	8.42	43	200504	48.007	ug/l	100
44) Trichloroethene	9.09	130	195795	59.294	ug/l	100
45) 1,2-Dichloropropane	9.37	63	171000	54.748	ug/l	100
46) Dibromomethane	9.46	93	82726	55.150	ug/l	100
47) Bromodichloromethane	9.64	83	214485	51.860	ug/l	100
48) Methyl methacrylate	9.43	41	94725	48.218	ug/l	100
49) 1,4-Dioxane	9.46	88	21640	900.571	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	504105	234.766	ug/l	100
52) Toluene	10.38	92	452247	59.379	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	223058	53.337	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	266998	55.296	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	122566	53.817	ug/l	100
56) Ethyl methacrylate	10.64	69	166300	54.572	ug/l	100
57) 1,3-Dichloropropane	10.93	76	217807	54.058	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	398369	247.108	ug/l	100
59) 2-Hexanone	10.97	43	348096	234.044	ug/l	100
60) Dibromochloromethane	11.13	129	143304	52.683	ug/l	100
61) 1,2-Dibromoethane	11.24	107	115901	55.611	ug/l	100
64) Tetrachloroethene	10.86	164	169418	60.631	ug/l	100
65) Chlorobenzene	11.66	112	462770	56.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	162397	52.650	ug/l	100
67) Ethyl Benzene	11.73	91	863830	57.157	ug/l	100
68) m/p-Xylenes	11.84	106	661836	118.835	ug/l	100
69) o-Xylene	12.16	106	304359	58.457	ug/l	100
70) Styrene	12.18	104	533121	57.781	ug/l	100
71) Bromoform	12.35	173	85046	52.774	ug/l	100
73) Isopropylbenzene	12.46	105	849080	55.684	ug/l	100
74) N-amyl acetate	12.27	43	188910	49.417	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	136902	51.941	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	105785m	53.551	ug/l	
77) Bromobenzene	12.74	156	204059	57.443	ug/l	100
78) n-propylbenzene	12.80	91	1001450	55.869	ug/l	100
79) 2-Chlorotoluene	12.89	91	557502	54.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	716565	55.475	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	45100	51.663	ug/l	100
82) 4-Chlorotoluene	12.99	91	577322	53.567	ug/l	100
83) tert-Butylbenzene	13.21	119	632127	54.968	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	713029	55.896	ug/l	100
85) sec-Butylbenzene	13.38	105	875237	55.689	ug/l	100
86) p-Isopropyltoluene	13.49	119	810723	56.100	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	384158	55.075	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	377641	55.226	ug/l	100
89) n-Butylbenzene	13.82	91	746873	55.093	ug/l	100
90) Hexachloroethane	14.09	117	137112	53.365	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	332872	54.408	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21184	44.684	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013180.D
 Acq On : 20 Sep 2019 14:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampleId :
 VSTDICCC050

Manual Integrations
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 9/24/2019 5:28:45 AM

Quant Time: Sep 20 15:15:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	244266	55.872	ug/l	100
94) Hexachlorobutadiene	15.24	225	162213	52.677	ug/l	100
95) Naphthalene	15.36	128	408945	56.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	209860	54.482	ug/l	100

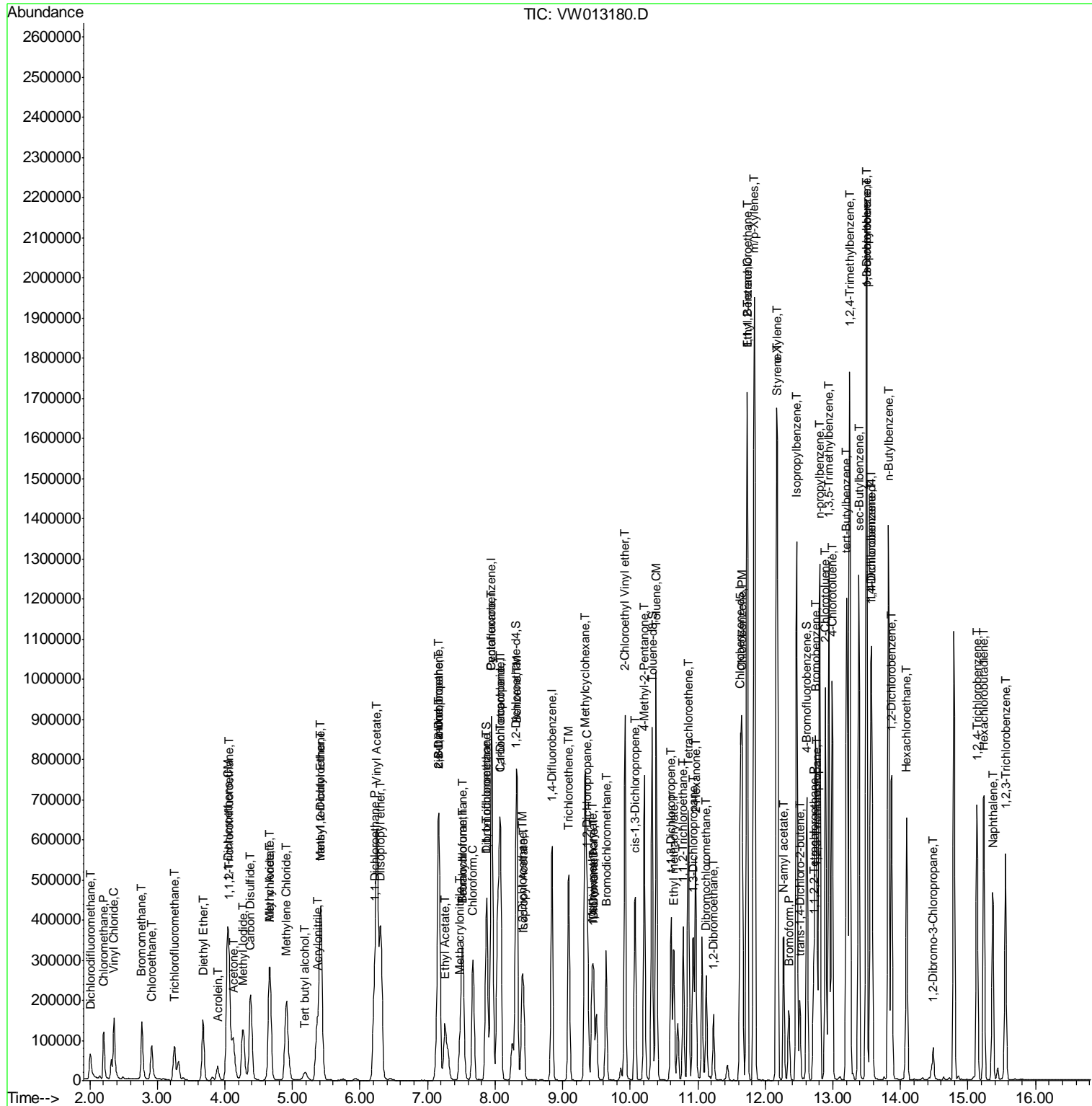
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013180.D
 Acq On : 20 Sep 2019 14:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

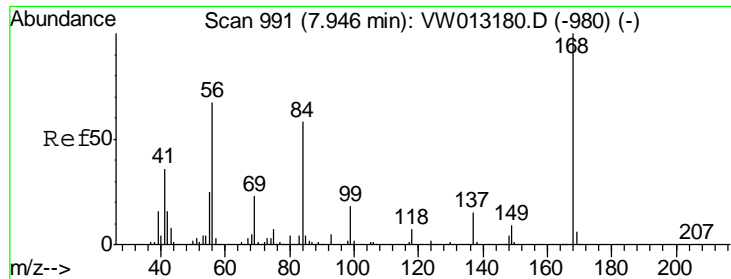
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDICCC050

Manual Integrations
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 MMDadoda
 9/24/2019 5:28:45 AM

Quant Time: Sep 20 15:15:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration



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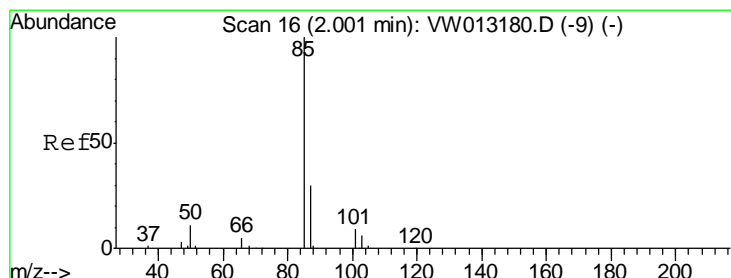
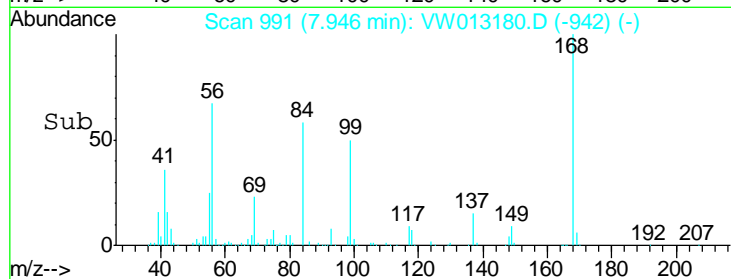
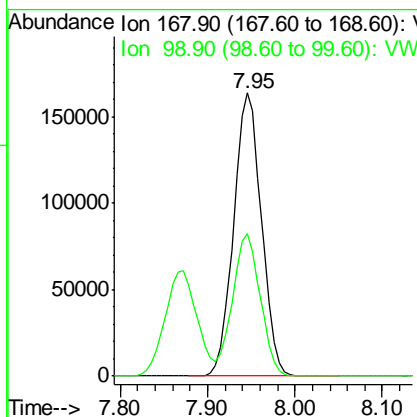
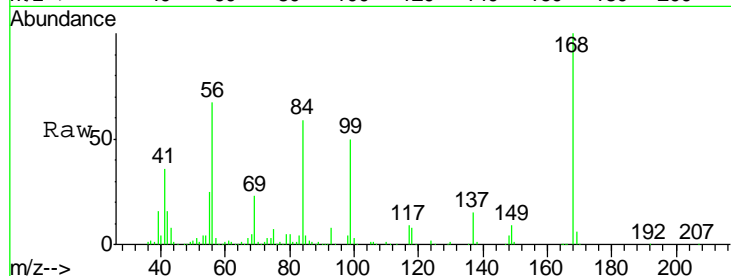
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.3	40.2	60.4

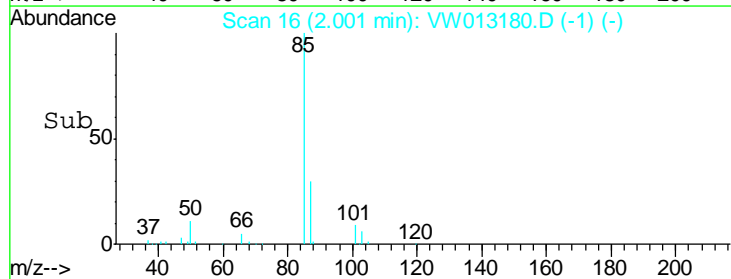
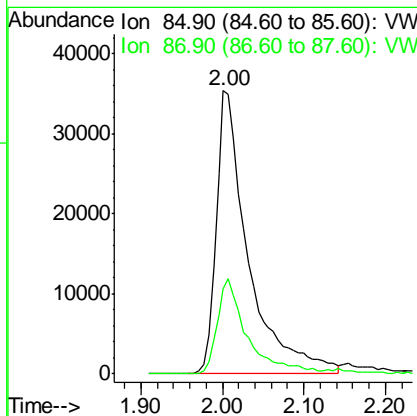
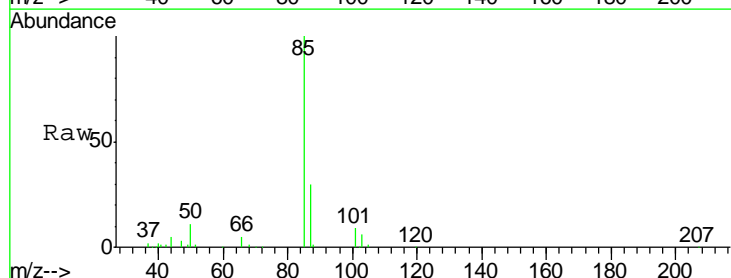
Manual Integrations
 APPROVED

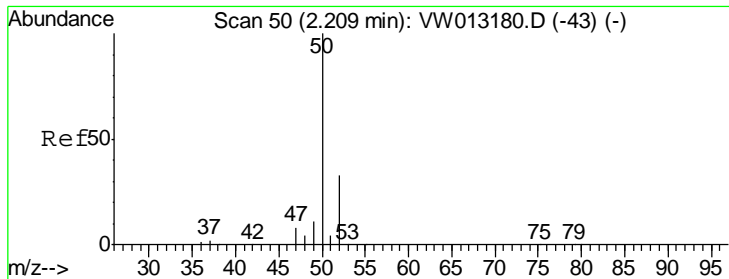
MMDadoda
 9/24/2019 5:28:45 AM



#2
 Dichlorodifluoromethane
 Concen: 59.419 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.2	15.1	45.3



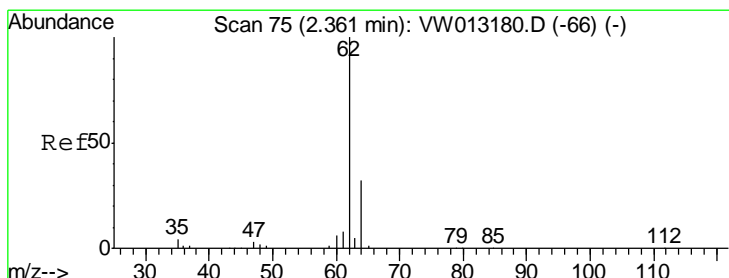
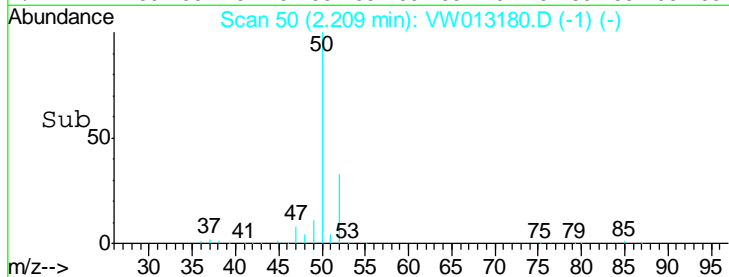
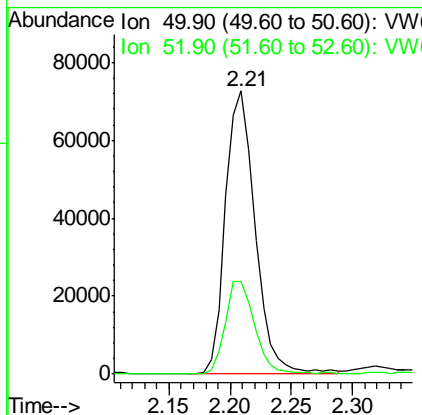
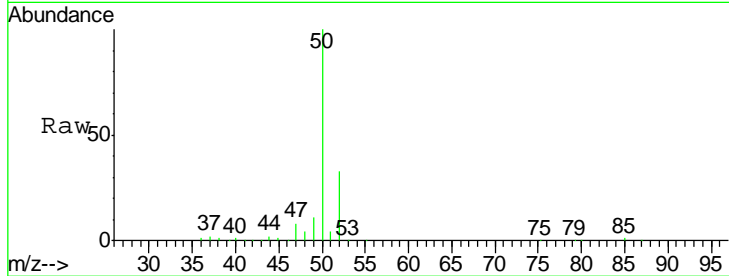


#3
 Chloromethane
 Concen: 58.572 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
50	122019		
50	100		
52	32.6	26.1	39.1

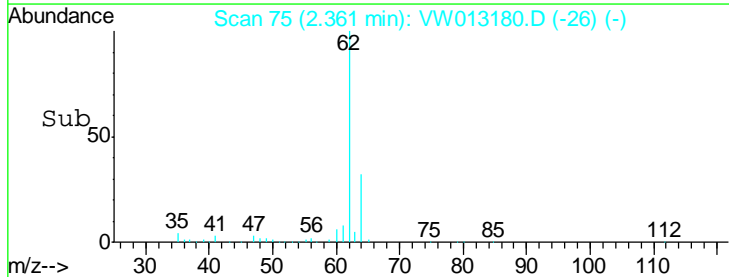
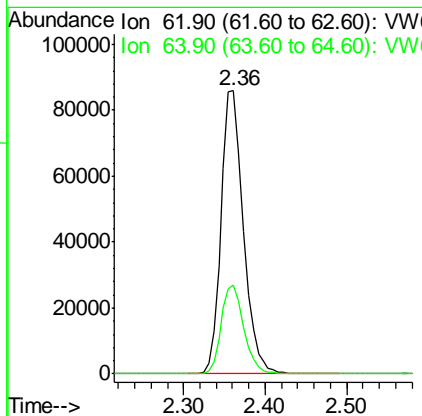
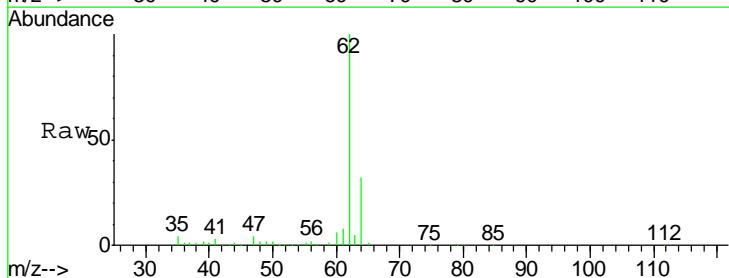
Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

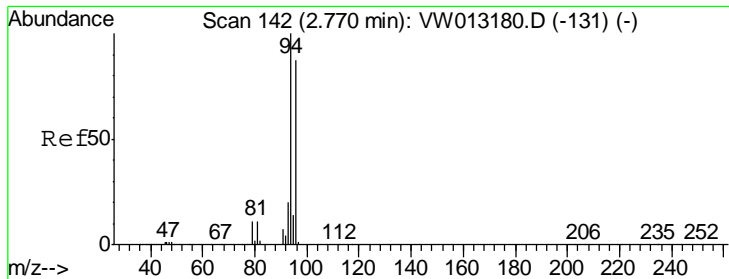
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#4
 Vinyl Chloride
 Concen: 59.990 ug/l
 RT: 2.36 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
62	163342		
62	100		
64	31.6	25.3	37.9





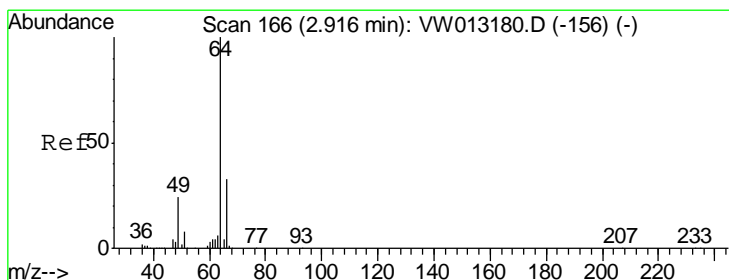
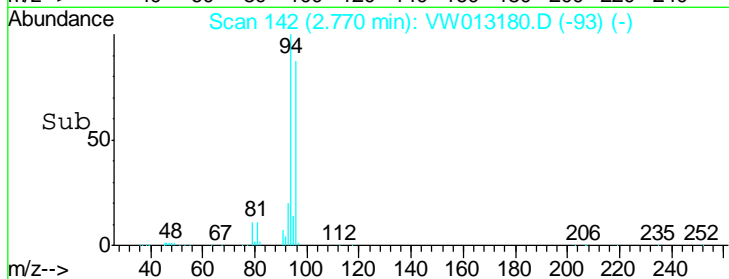
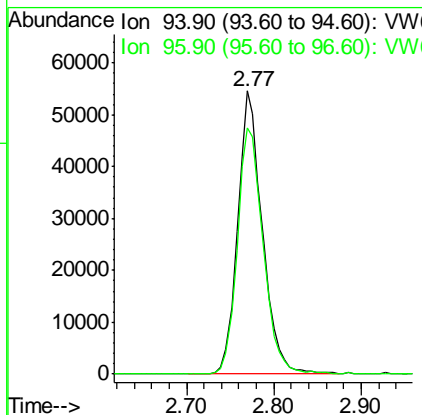
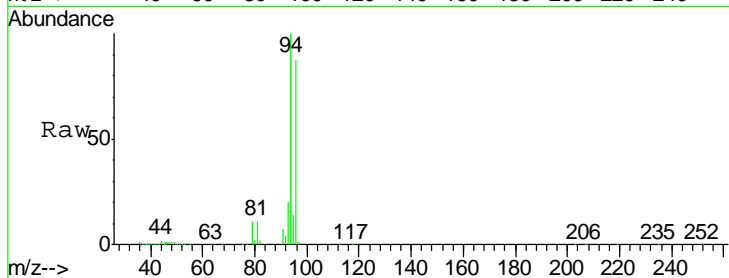
#5
 Bromomethane
 Concen: 63.293 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
94	106919		
96	87.1	69.7	104.5

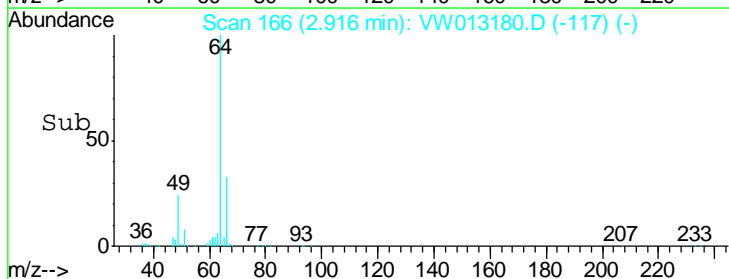
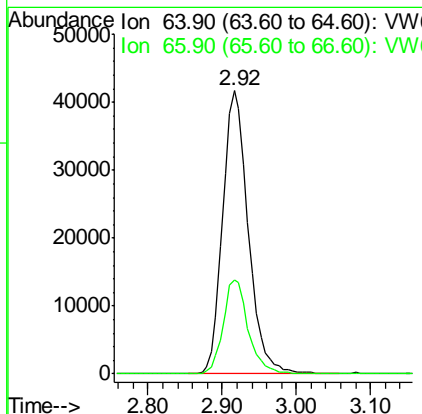
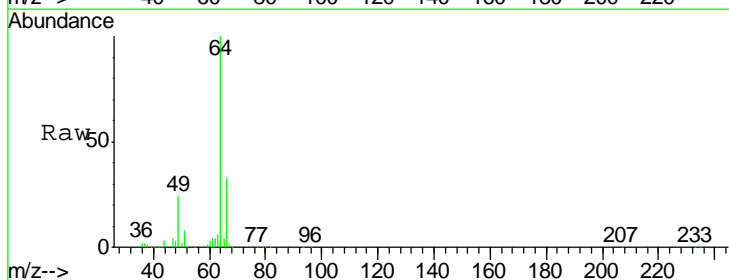
Manual Integrations
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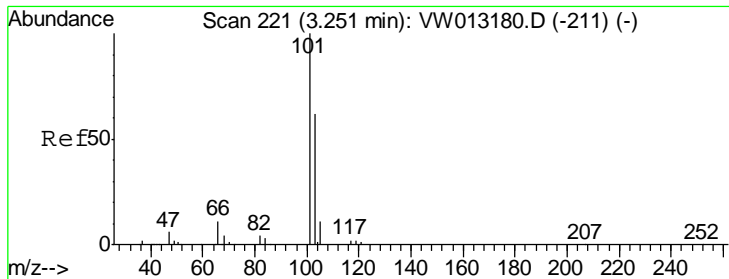
MMDadoda
 9/24/2019 5:28:45 AM



#6
 Chloroethane
 Concen: 60.226 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
64	100050		
66	33.2	26.6	39.8





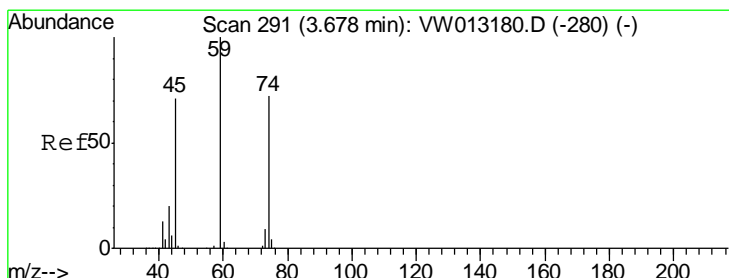
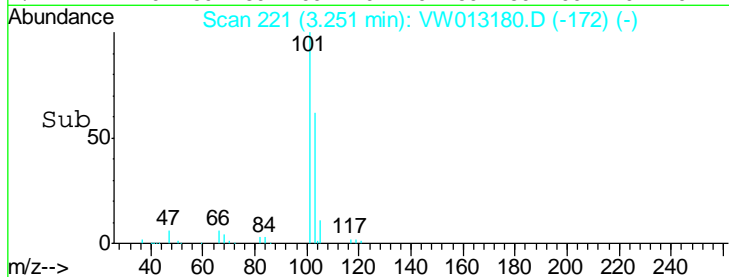
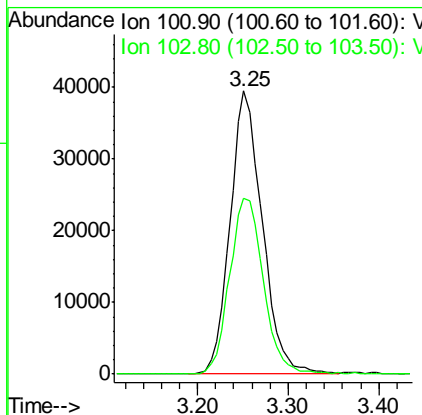
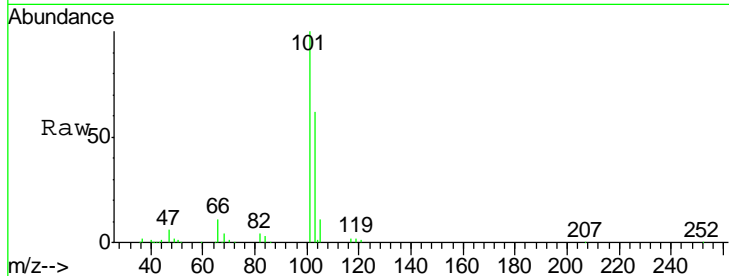
#7
 Trichlorofluoromethane
 Concen: 53.264 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	97301		
103	62.1	49.7	74.5

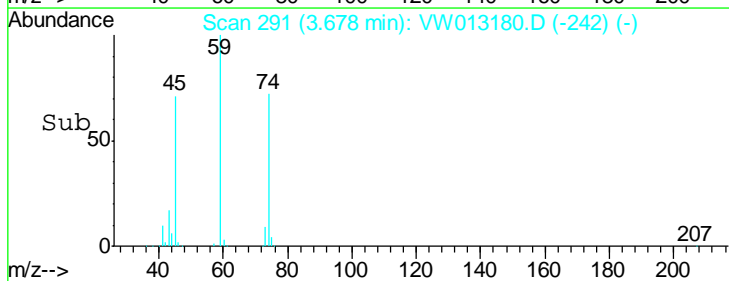
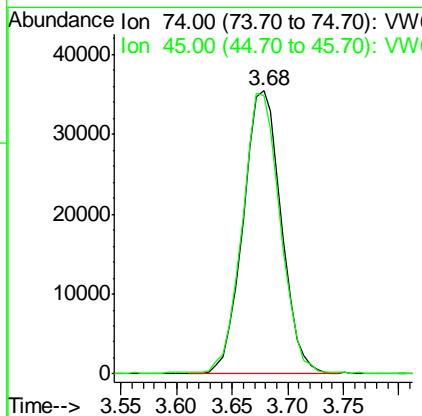
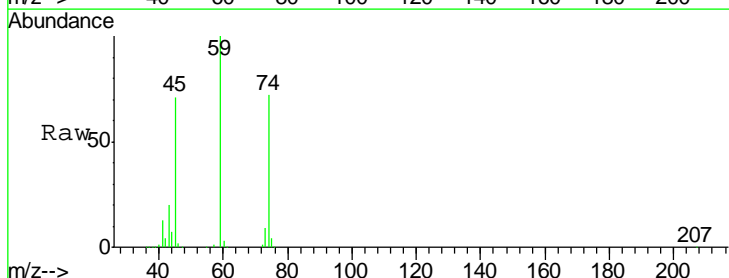
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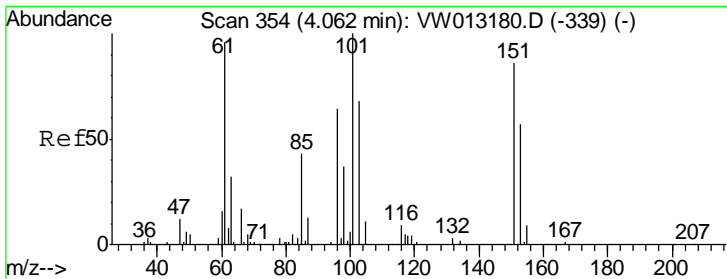
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#8
 Diethyl Ether
 Concen: 57.777 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

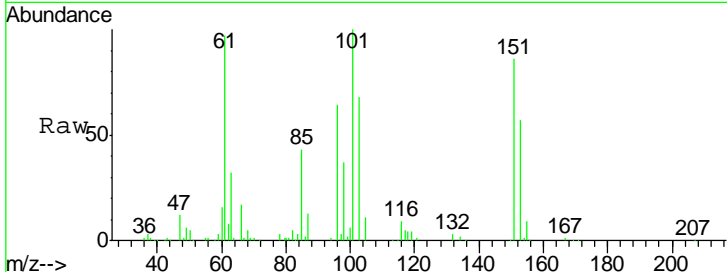
Tgt Ion	Resp	Lower	Upper
74	84350		
45	99.1	49.5	148.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 56.554 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

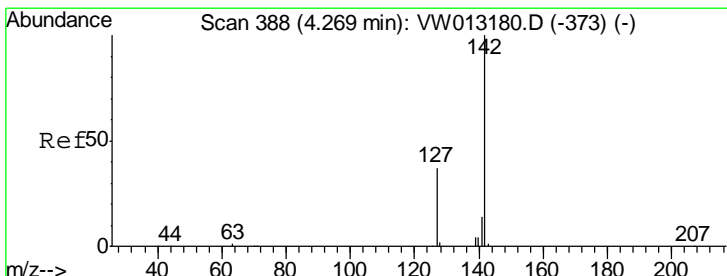
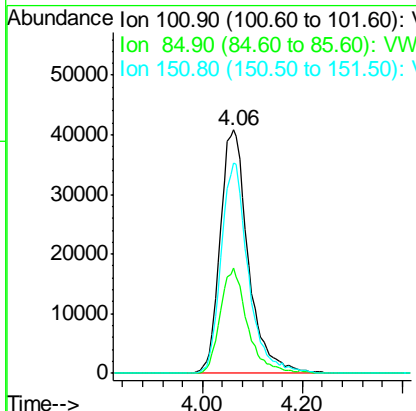
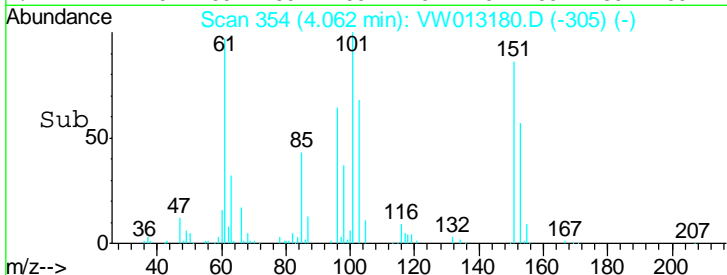


Tgt Ion:101 Resp: 159657

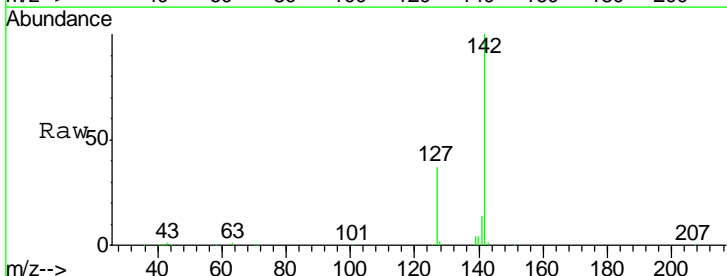
Ion	Ratio	Lower	Upper
101	100		
85	41.7	33.4	50.0
151	83.6	66.9	100.3

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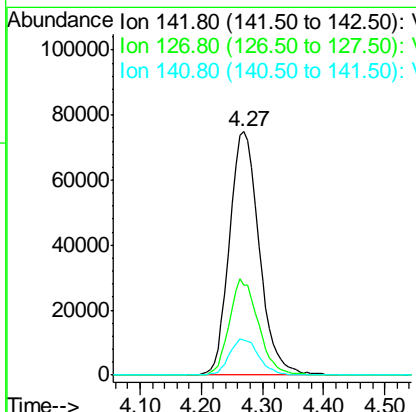
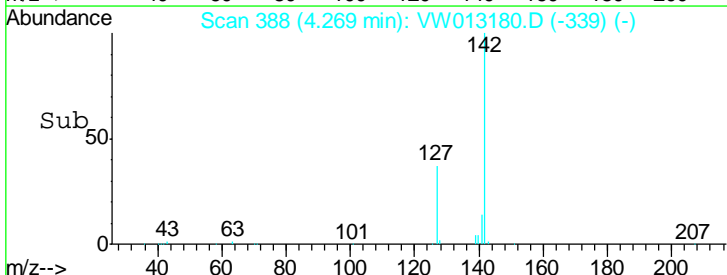


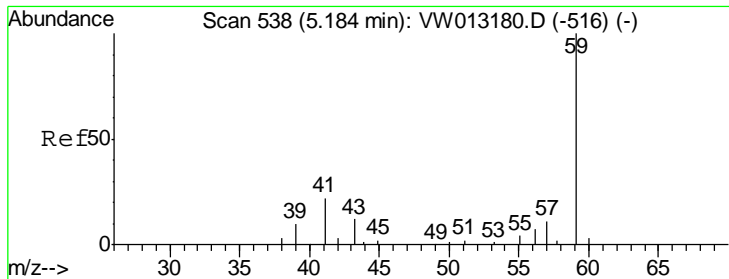
#10
 Methyl Iodide
 Concen: 68.042 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01



Tgt Ion:142 Resp: 251156

Ion	Ratio	Lower	Upper
142	100		
127	38.6	30.9	46.3
141	14.6	11.7	17.5





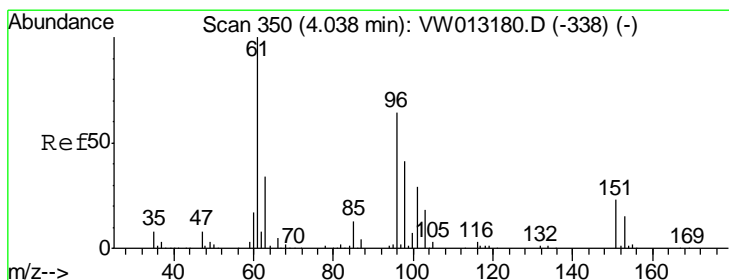
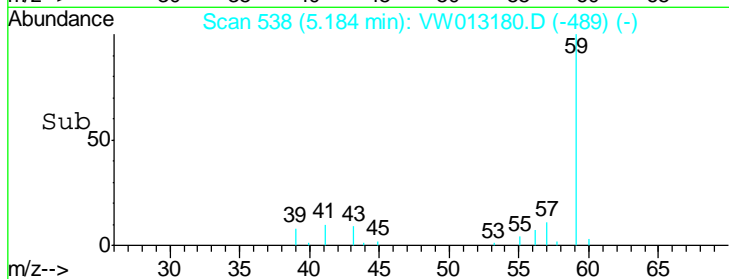
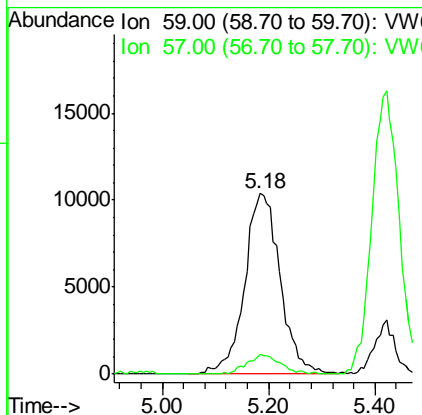
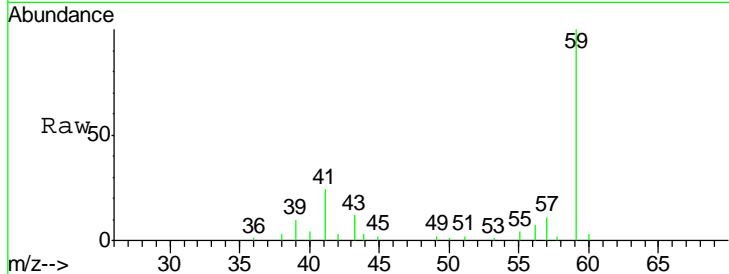
#11
 Tert butyl alcohol
 Concen: 189.488 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
59	47925		
59	100		
57	10.2	8.2	12.2

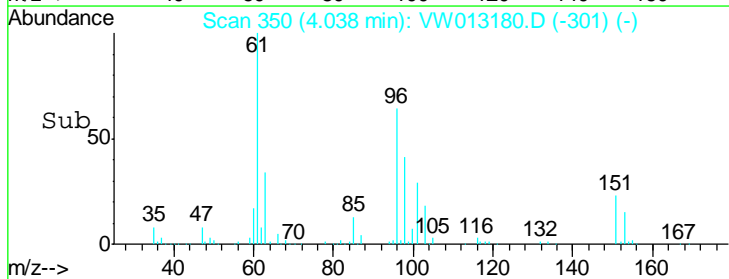
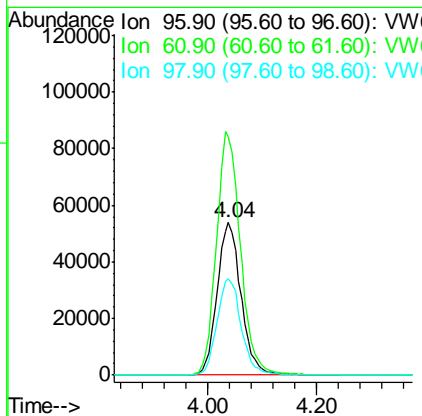
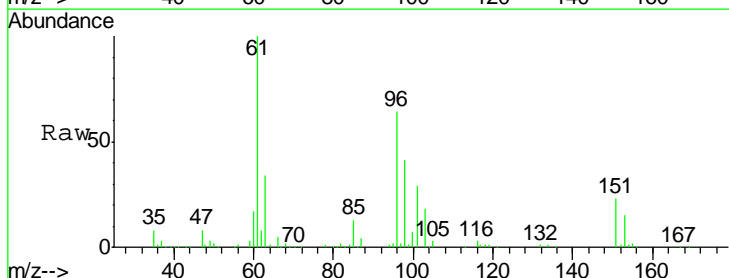
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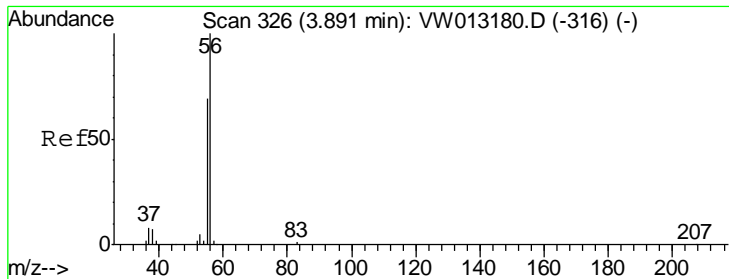
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#12
 1,1-Dichloroethene
 Concen: 62.586 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

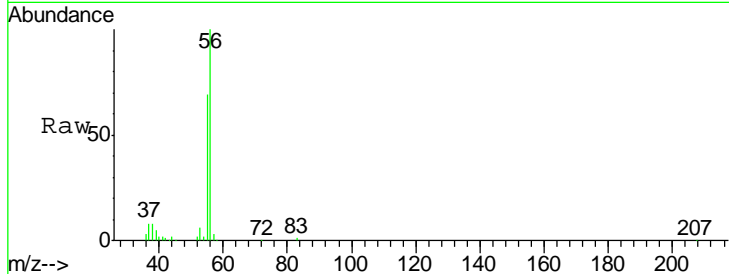
Tgt Ion	Resp	Lower	Upper
96	164693		
96	100		
61	156.4	125.1	187.7
98	63.5	50.8	76.2





#13
 Acrolein
 Concen: 195.610 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

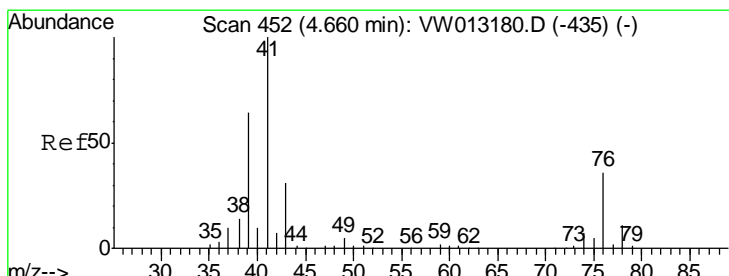
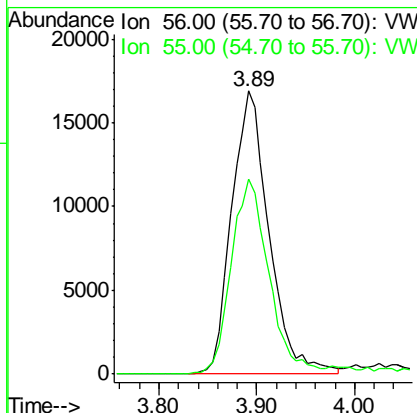
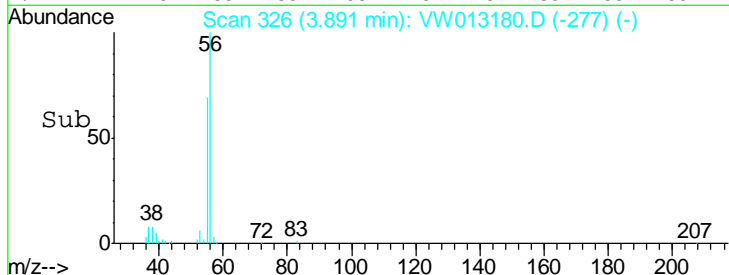


Tgt Ion: 56 Resp: 44811

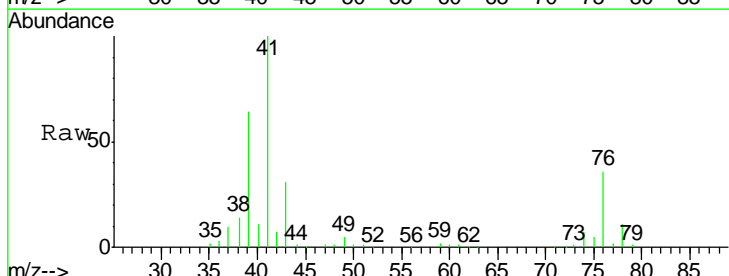
Ion	Ratio	Lower	Upper
56	100		
55	69.2	55.4	83.0

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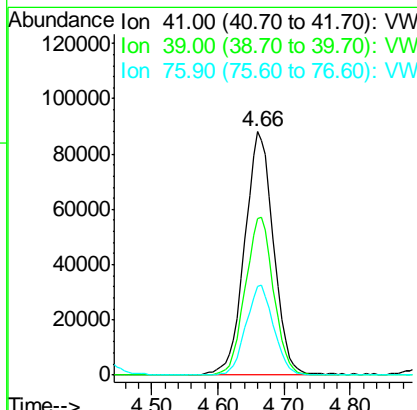
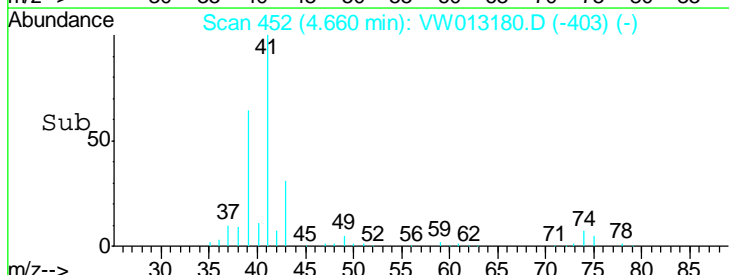


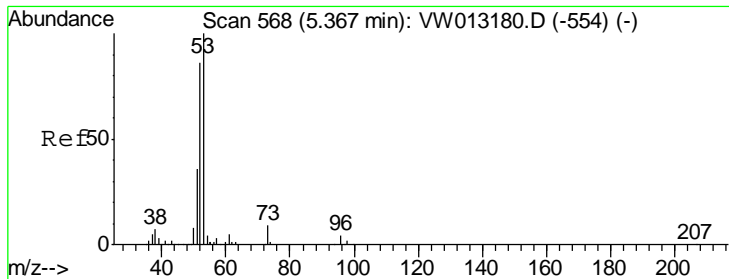
#14
 Allyl chloride
 Concen: 55.436 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01



Tgt Ion: 41 Resp: 267502

Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.0	76.4
76	35.5	28.4	42.6





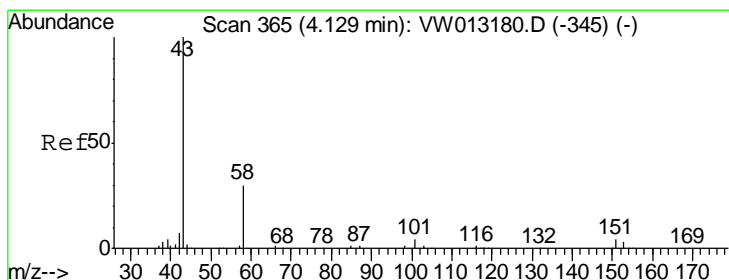
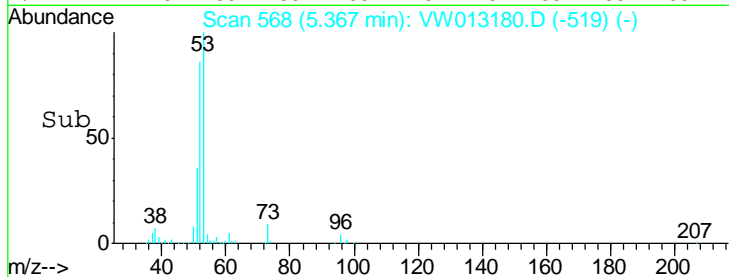
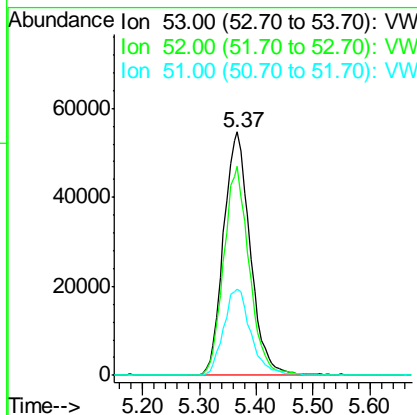
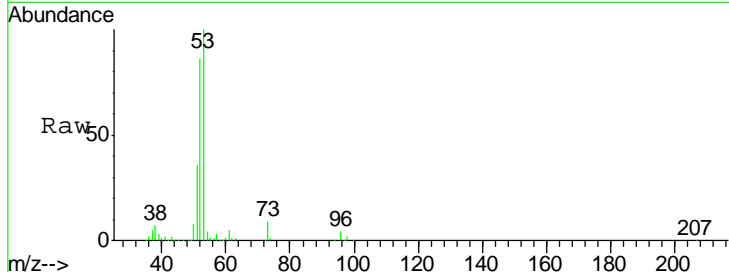
#15
 Acrylonitrile
 Concen: 249.124 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
53	179063		
52	81.6	65.3	97.9
51	36.2	29.0	43.4

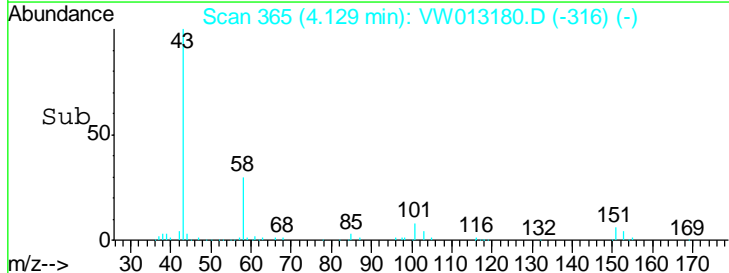
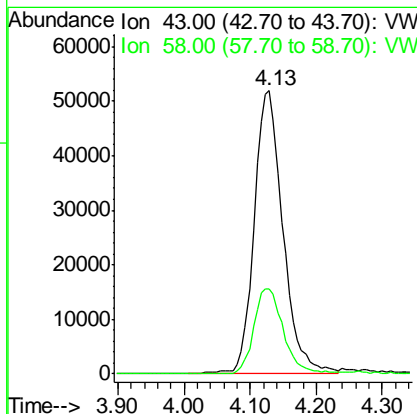
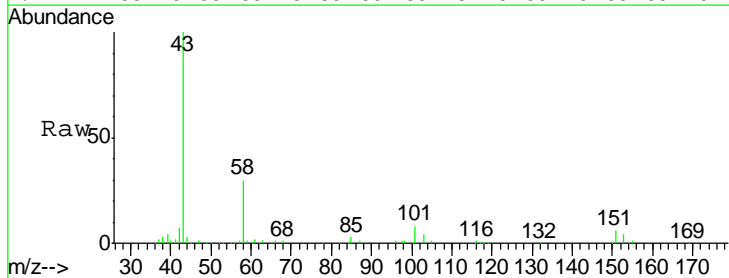
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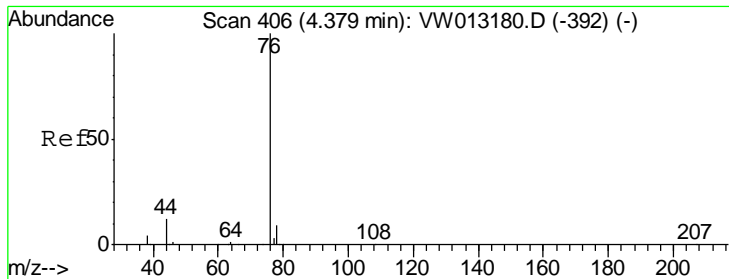
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#16
 Acetone
 Concen: 205.247 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
43	157066		
58	30.1	24.1	36.1





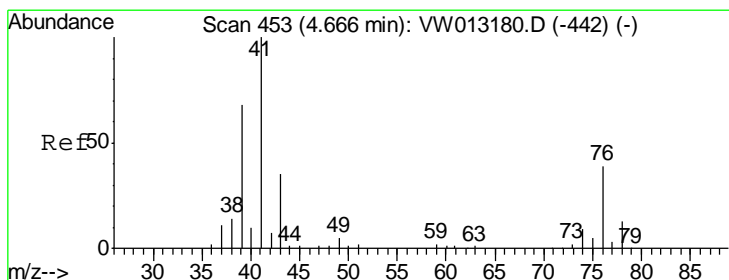
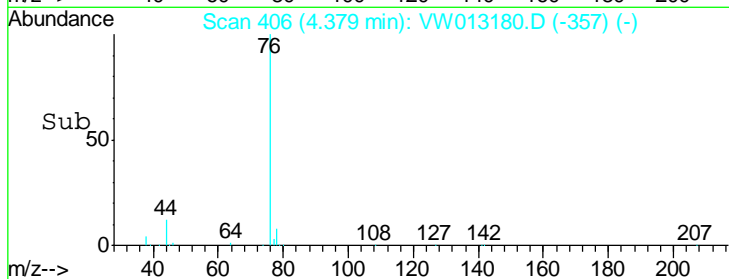
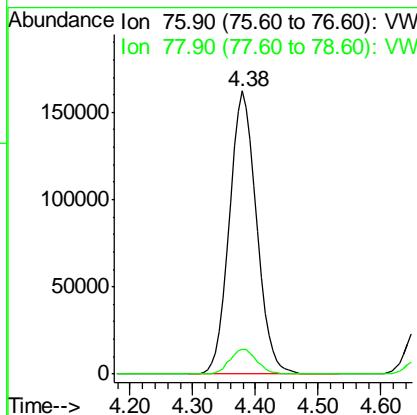
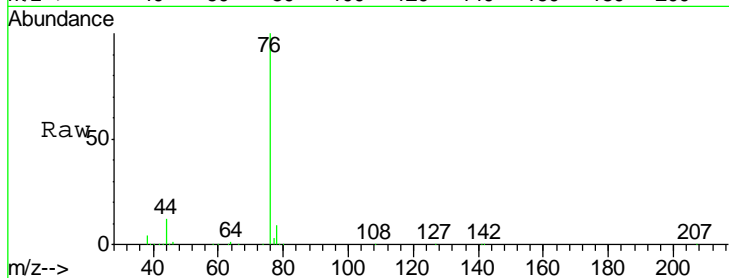
#17
 Carbon Disulfide
 Concen: 83.904 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	486110		
78	8.7	7.0	10.4

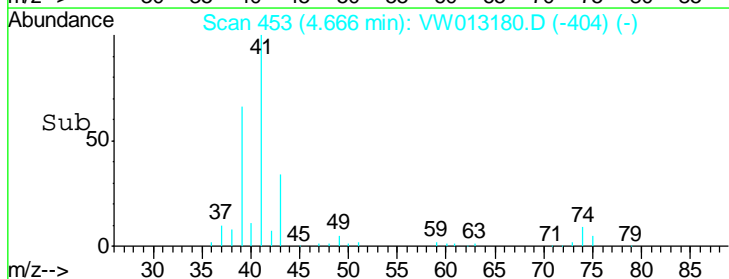
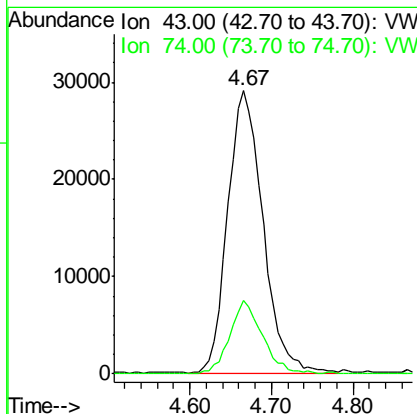
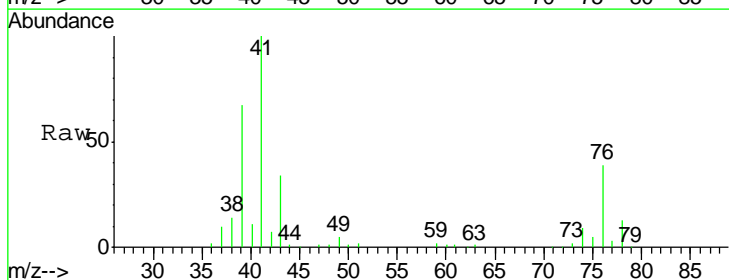
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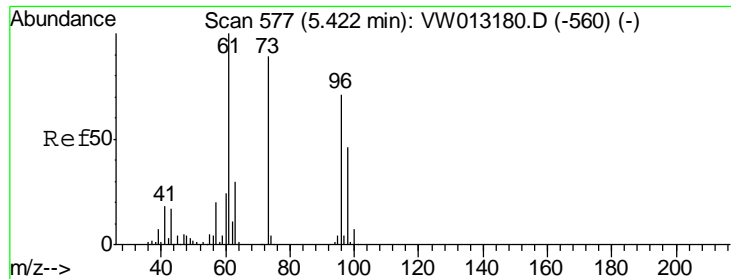
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#18
 Methyl Acetate
 Concen: 45.933 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
43	86806		
74	24.1	19.3	28.9





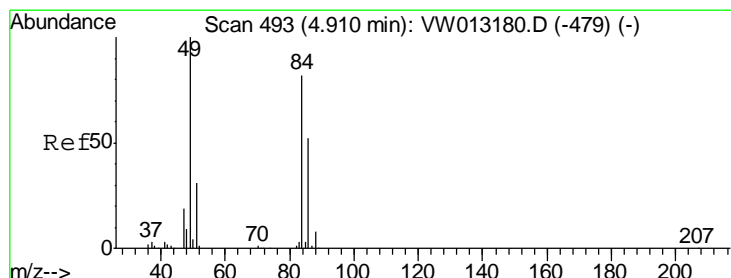
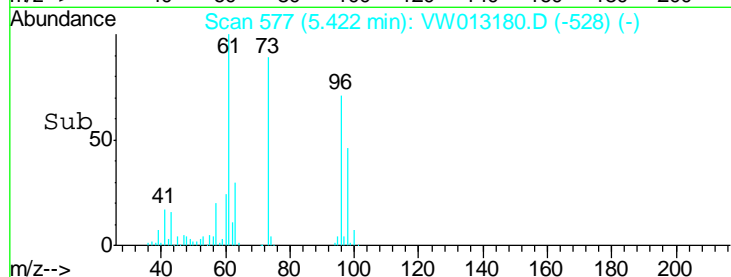
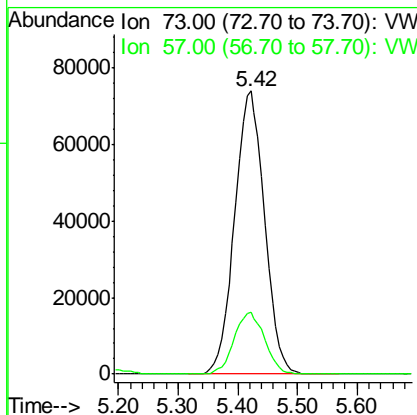
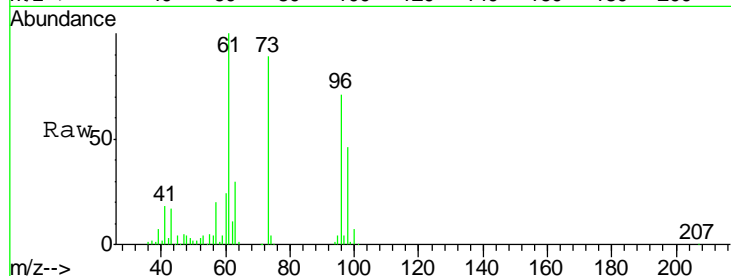
#19
Methyl tert-butyl Ether
Concen: 52.193 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
73	257586		
73	100		
57	22.0	17.6	26.4

Instrument : MSVOA_W
Client Sampled : VSTDICCC050

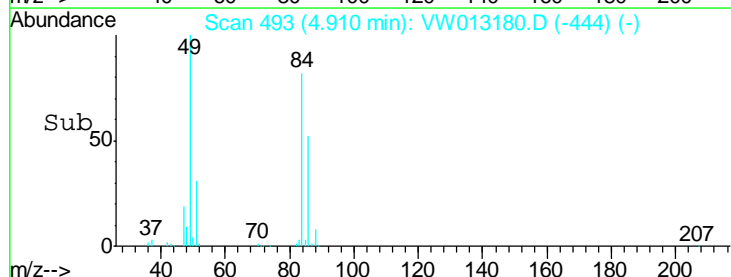
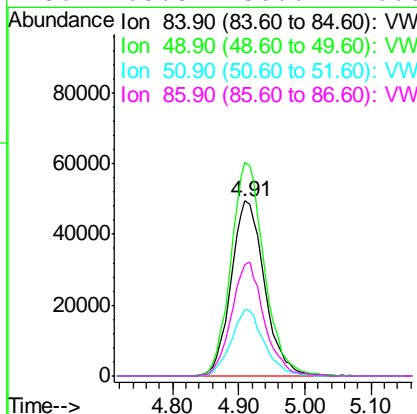
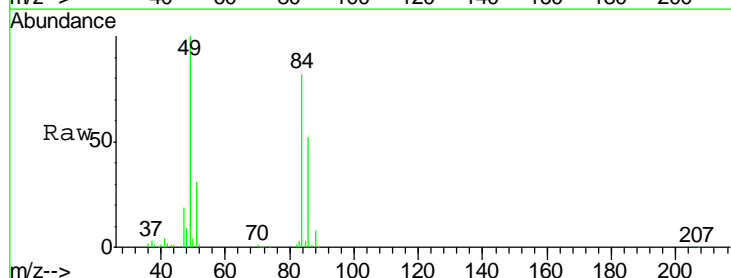
Manual Integrations APPROVED

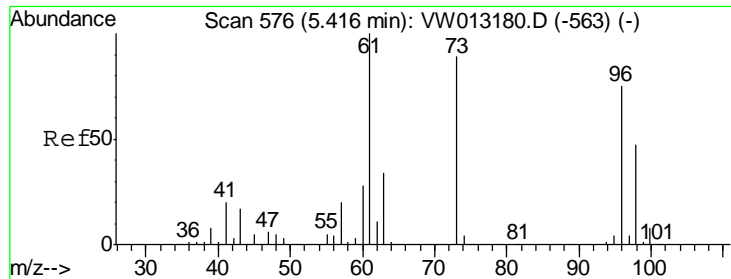
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#20
Methylene Chloride
Concen: 53.671 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
84	174000		
84	100		
49	122.0	97.6	146.4
51	37.7	30.2	45.2
86	63.3	50.6	76.0





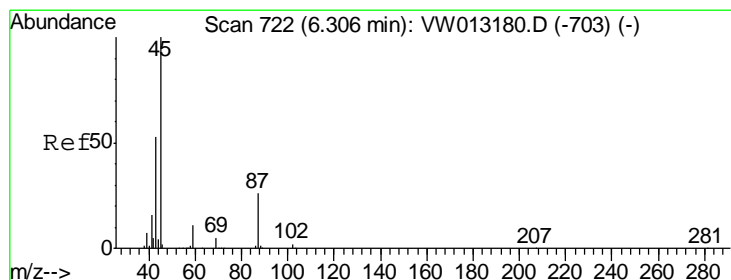
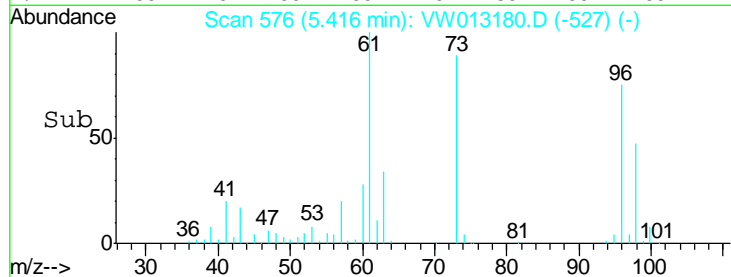
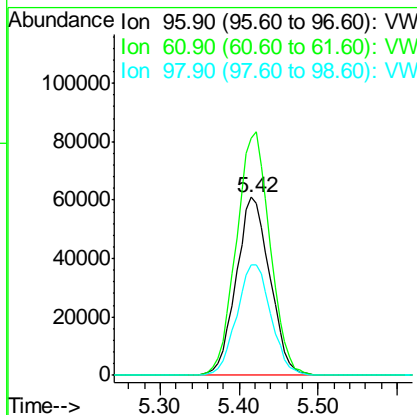
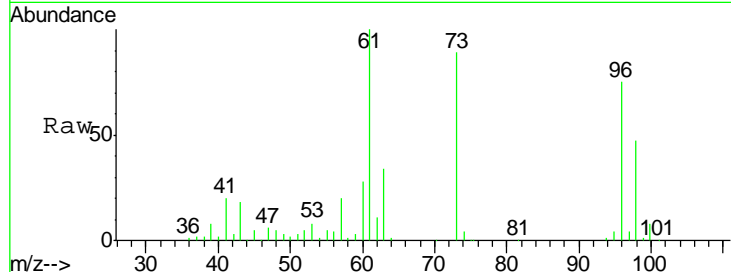
#21
 trans-1,2-Dichloroethene
 Concen: 64.290 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	181754		
96	100		
61	133.2	106.6	159.8
98	62.3	49.8	74.8

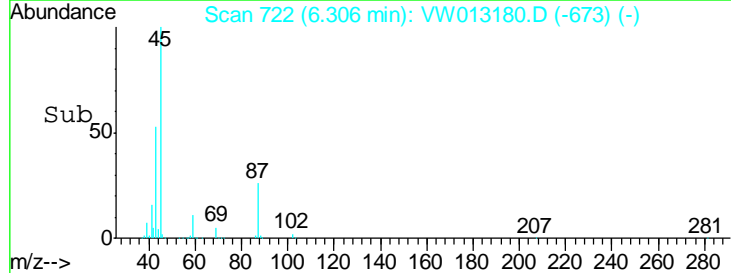
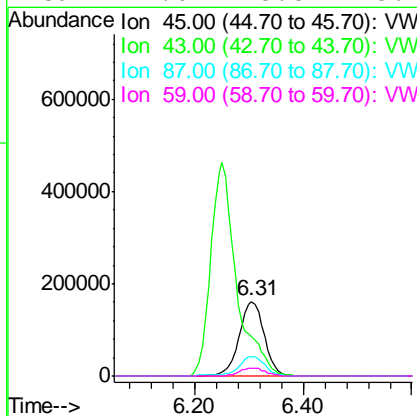
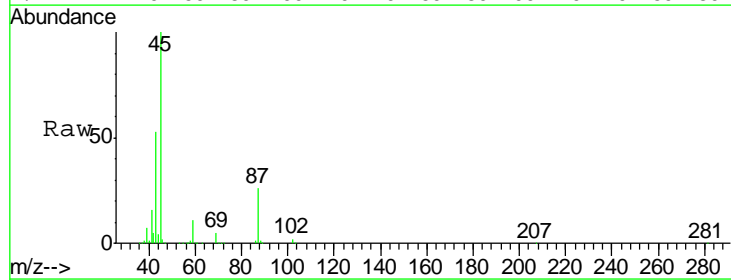
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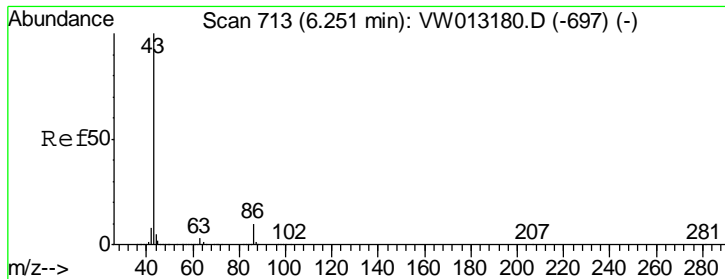
MMDadoda
 9/24/2019 5:28:45 AM



#22
 Diisopropyl ether
 Concen: 52.372 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
45	516921		
45	100		
43	53.0	42.4	63.6
87	25.5	20.4	30.6
59	11.0	8.8	13.2





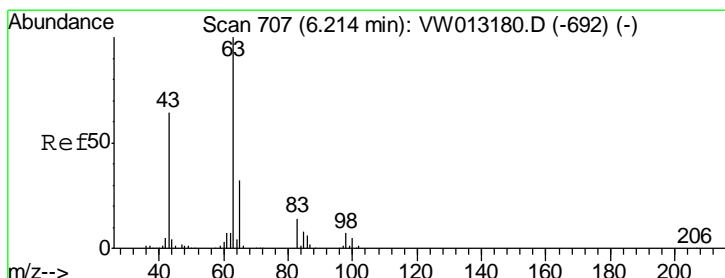
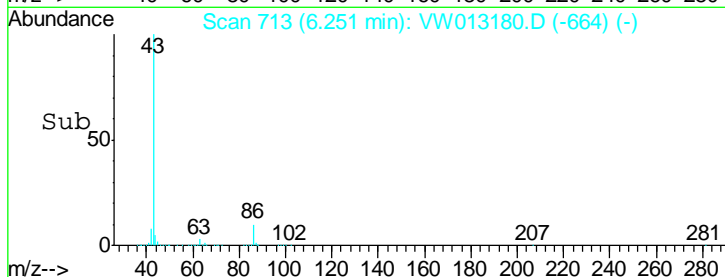
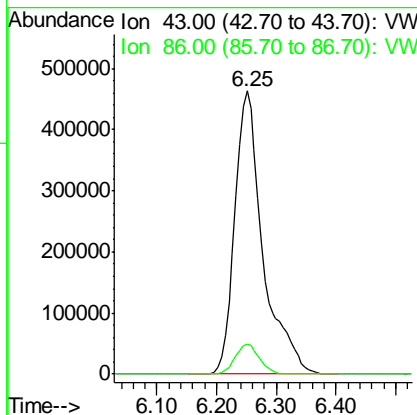
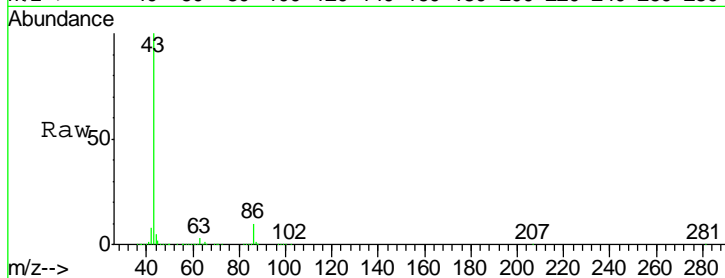
#23
 Vinyl Acetate
 Concen: 259.009 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.4	8.3	12.5

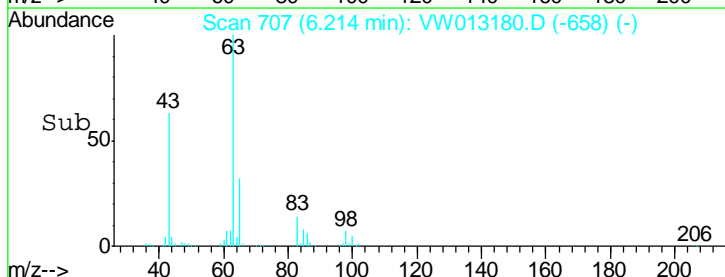
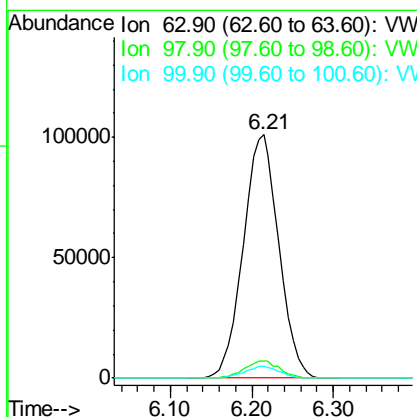
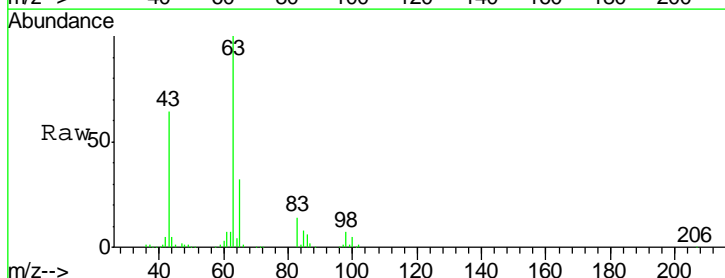
Manual Integrations
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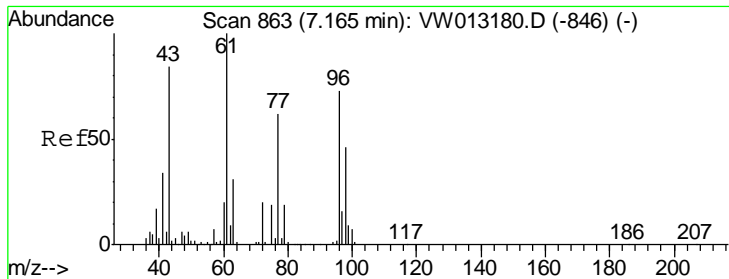
MMDadoda
 9/24/2019 5:28:45 AM



#24
 1,1-Dichloroethane
 Concen: 53.270 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.7	2.4	7.1





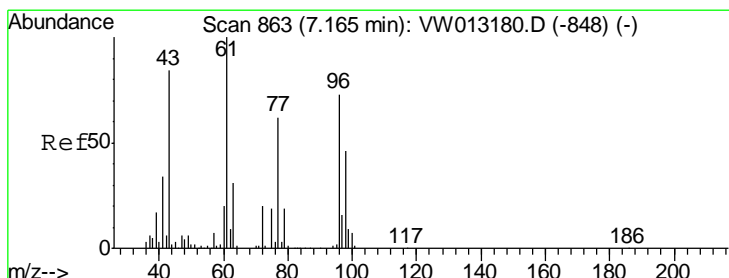
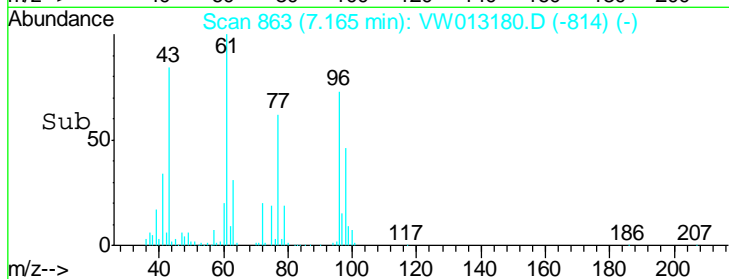
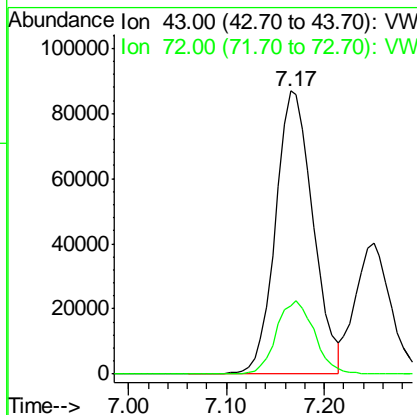
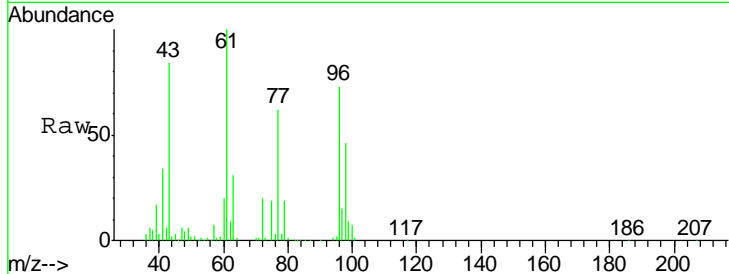
#25
 2-Butanone
 Concen: 223.844 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
72	24.2	19.4	29.0

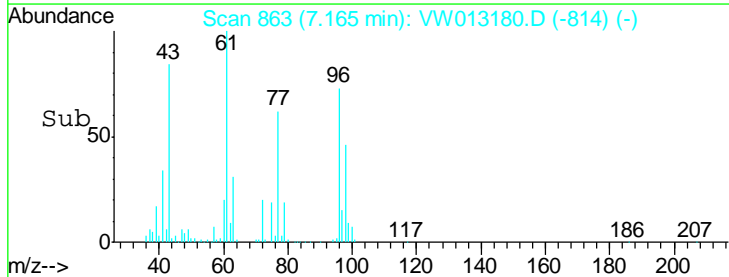
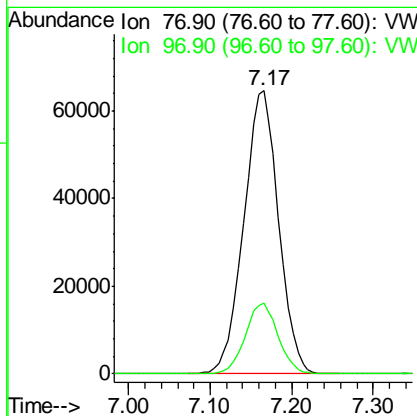
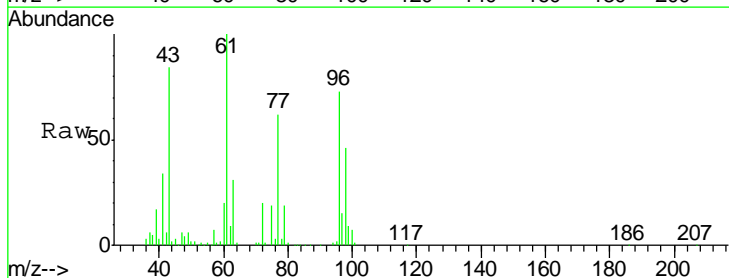
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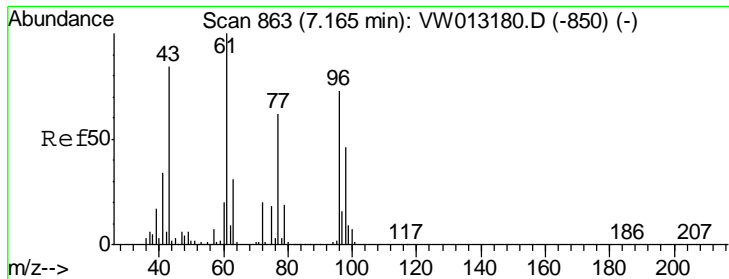
MMDadoda
 9/24/2019 5:28:45 AM



#26
 2,2-Dichloropropane
 Concen: 47.647 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.6	11.8	35.4





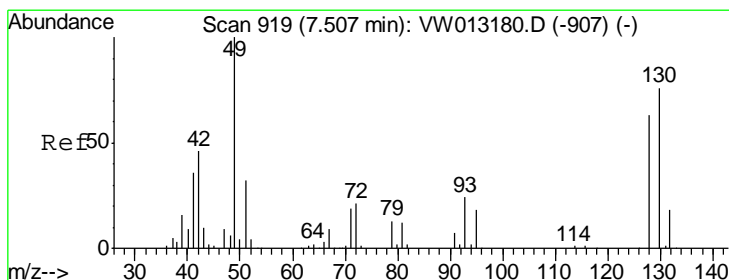
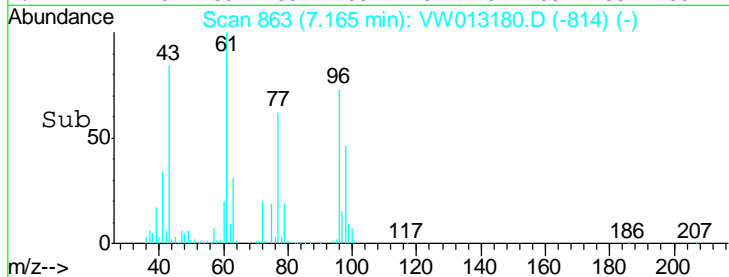
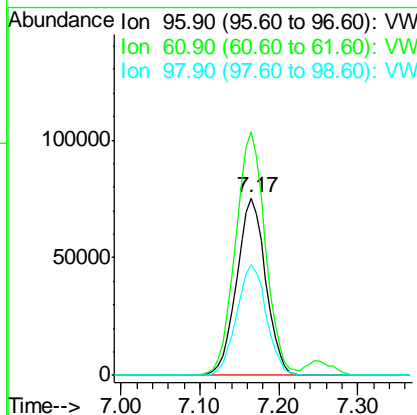
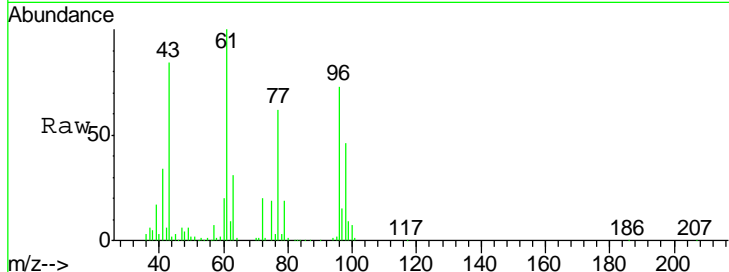
#27
 cis-1,2-Dichloroethene
 Concen: 58.392 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	193203		
96	100		
61	141.2	0.0	282.4
98	64.1	0.0	128.2

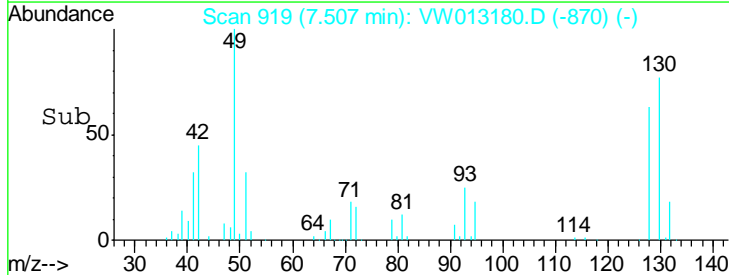
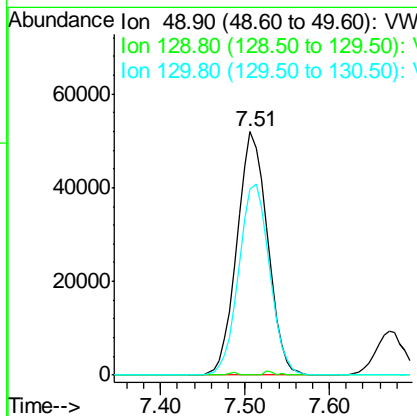
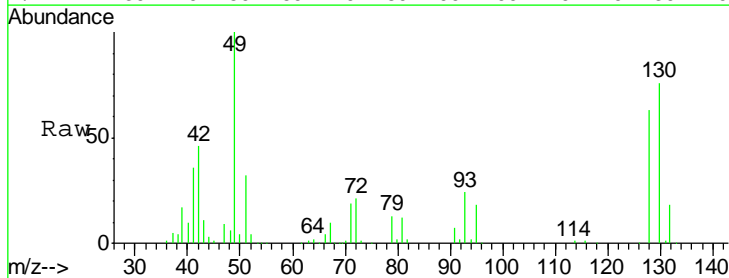
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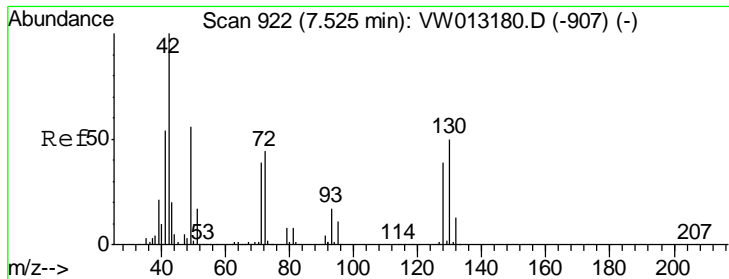
MMDadoda
 9/24/2019 5:28:45 AM



#28
 Bromochloromethane
 Concen: 52.810 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
49	127190		
49	100		
129	0.5	0.0	1.0
130	79.3	63.4	95.2





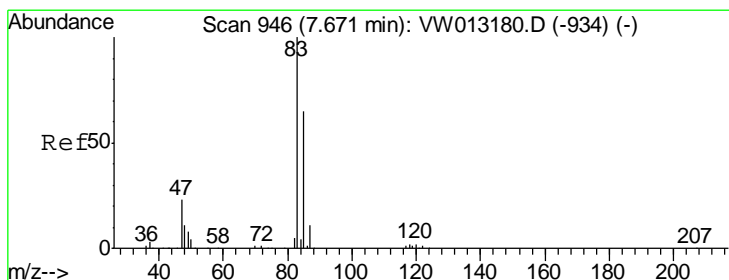
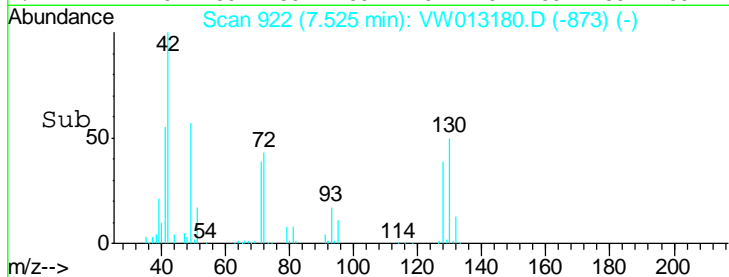
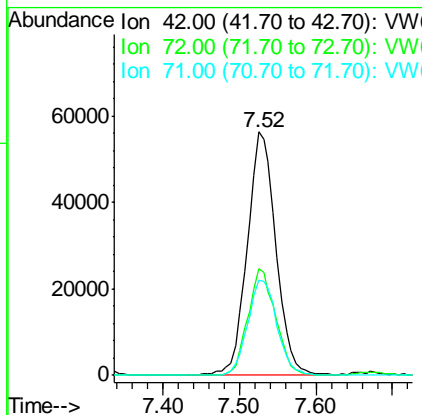
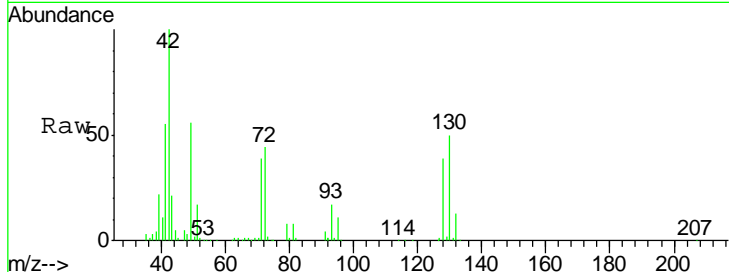
#29
 Tetrahydrofuran
 Concen: 246.036 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
42	147556		
72	42.4	33.9	50.9
71	39.9	31.9	47.9

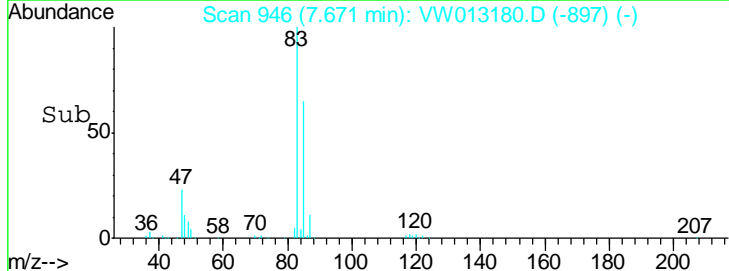
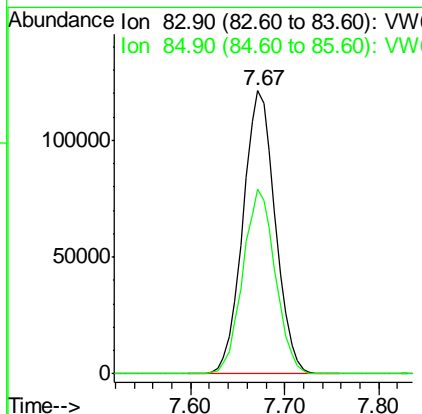
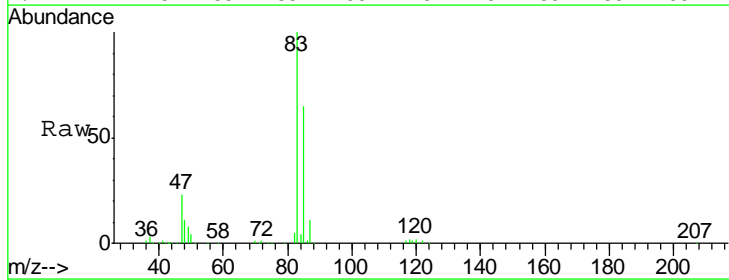
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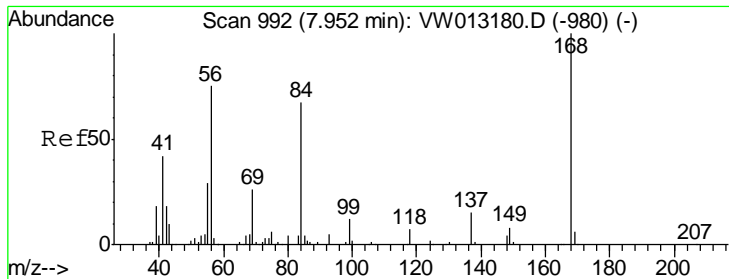
MMDadoda
 9/24/2019 5:28:45 AM



#30
 Chloroform
 Concen: 50.484 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
83	291463		
85	65.4	52.3	78.5





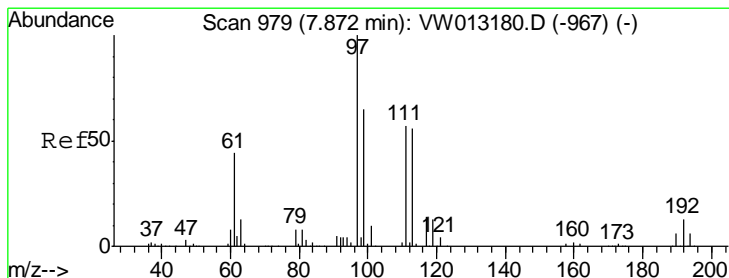
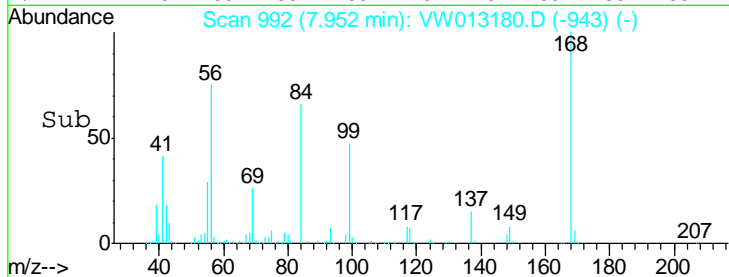
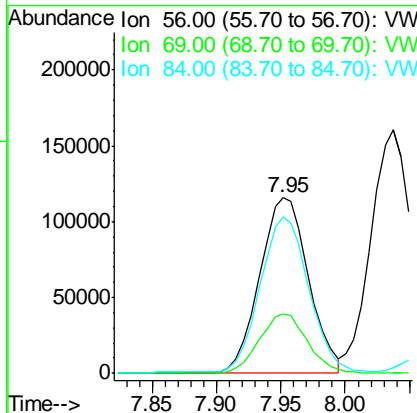
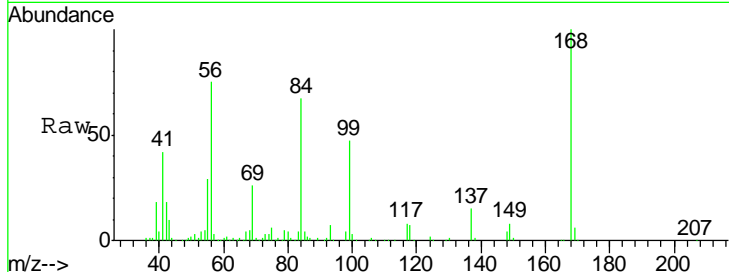
#31
 Cyclohexane
 Concen: 59.615 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	88.5	70.8	106.2

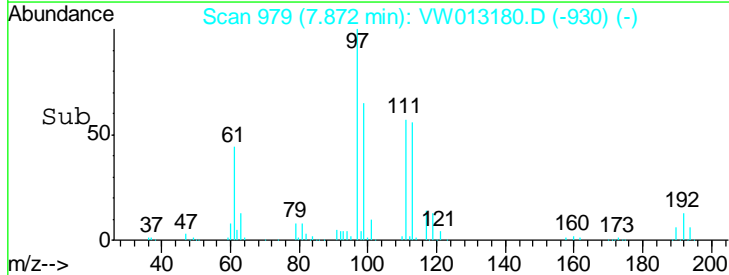
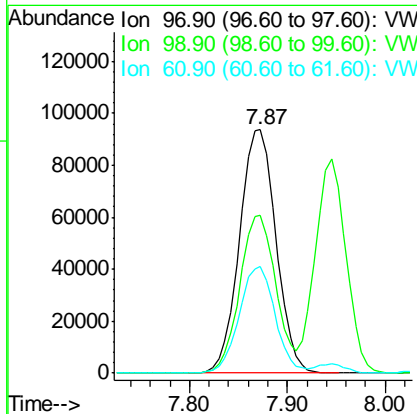
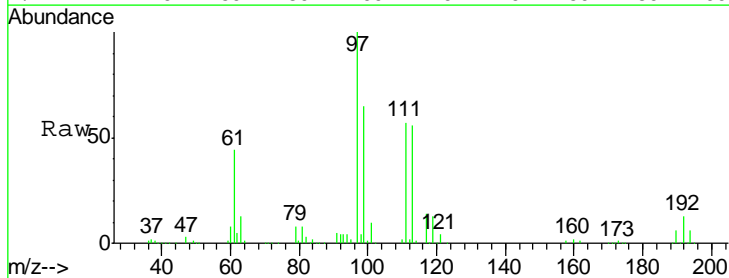
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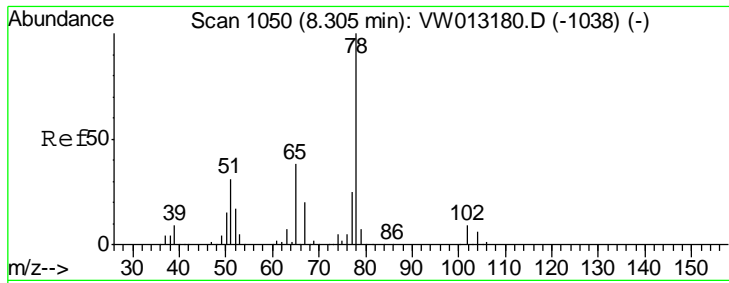
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#32
 1,1,1-Trichloroethane
 Concen: 50.979 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	43.2	34.6	51.8





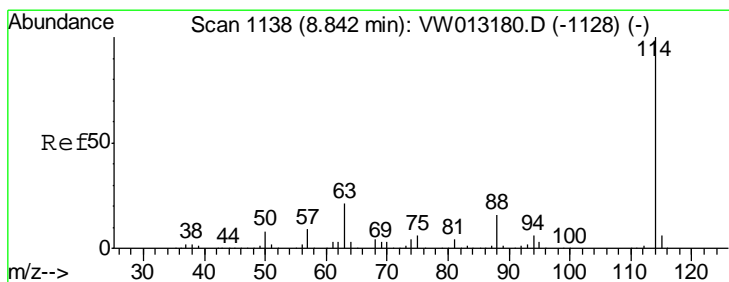
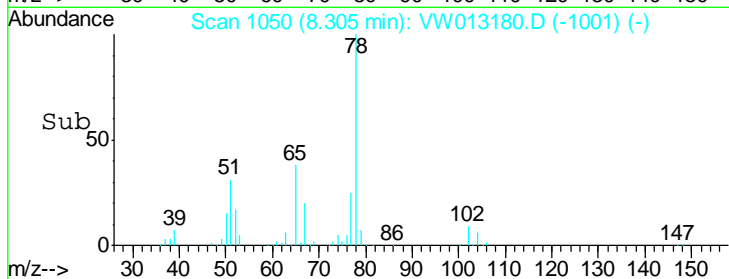
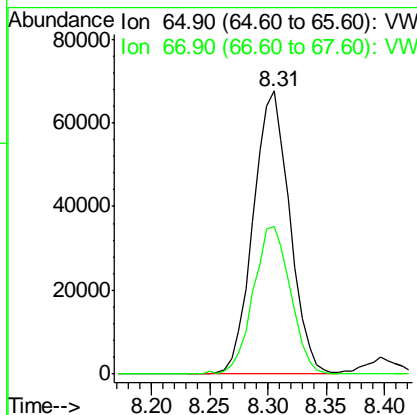
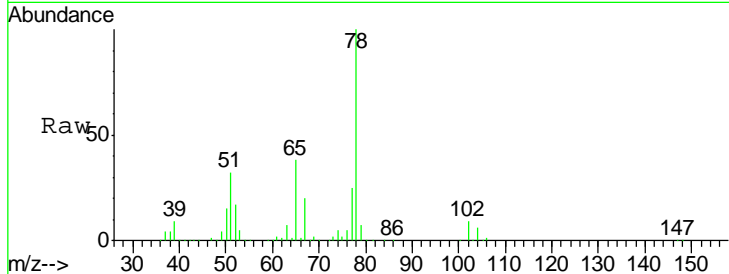
#33
 1,2-Dichloroethane-d4
 Concen: 45.537 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
65	147978		
65	100		
67	53.1	0.0	106.2

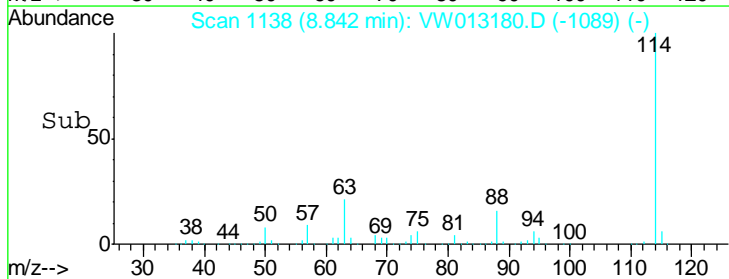
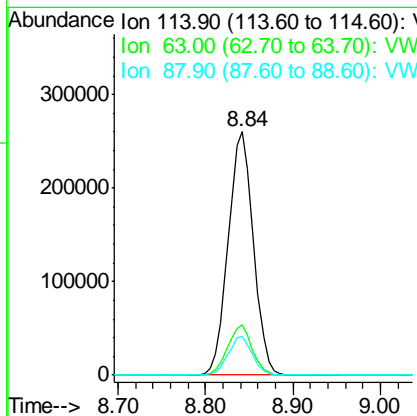
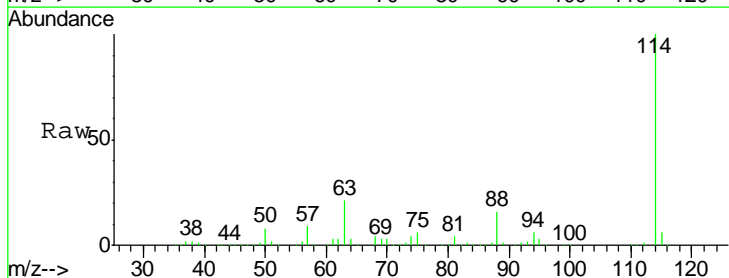
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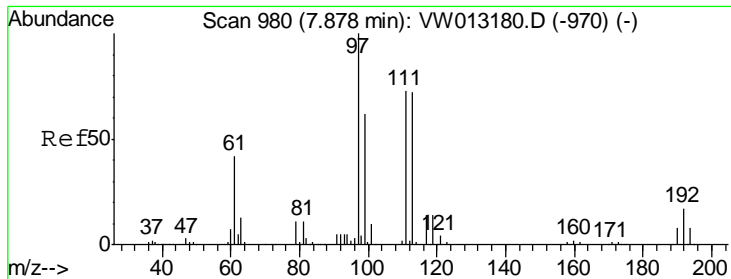
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 9/24/2019 5:28:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
114	520196		
114	100		
63	20.7	0.0	41.4
88	16.0	0.0	32.0





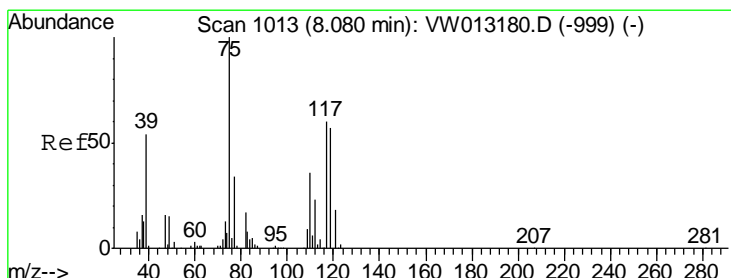
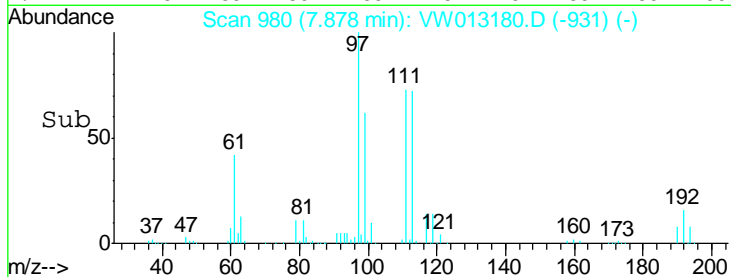
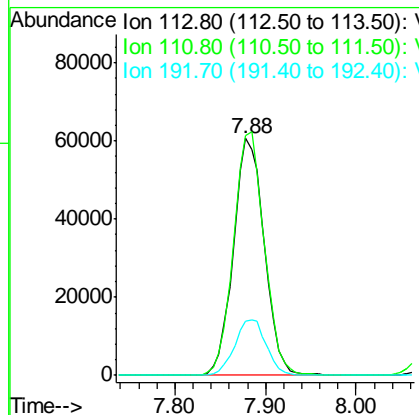
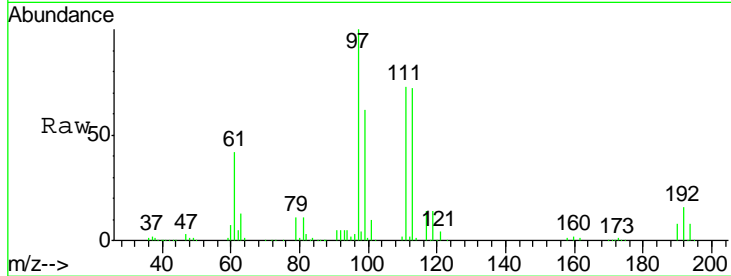
#35
 Dibromofluoromethane
 Concen: 51.251 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
113	144153		
113	100		
111	102.4	81.9	122.9
192	23.9	19.1	28.7

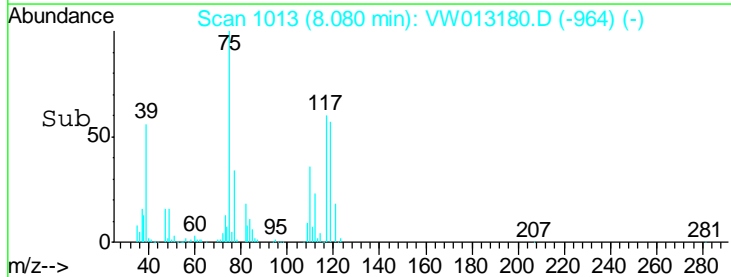
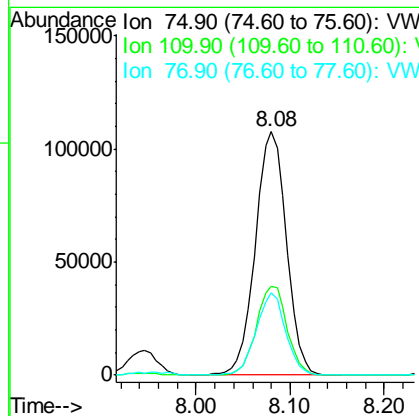
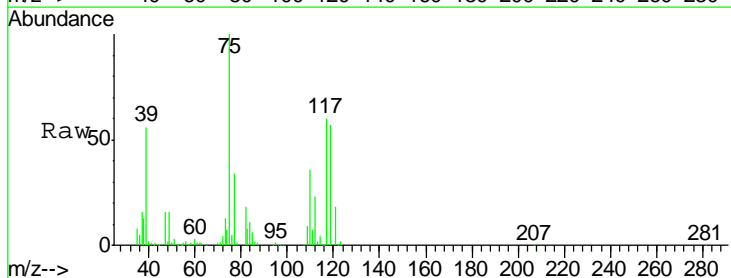
Manual Integrations
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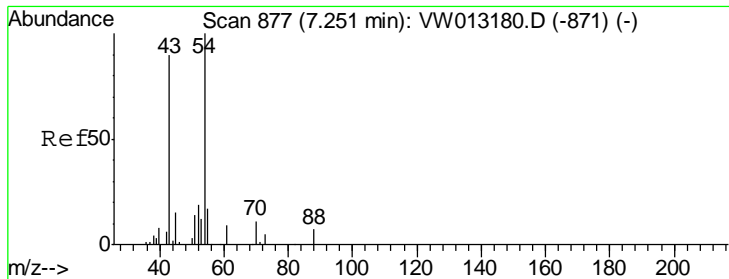
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#36
 1,1-Dichloropropene
 Concen: 57.873 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
75	248226		
75	100		
110	36.2	18.1	54.3
77	32.2	25.8	38.6



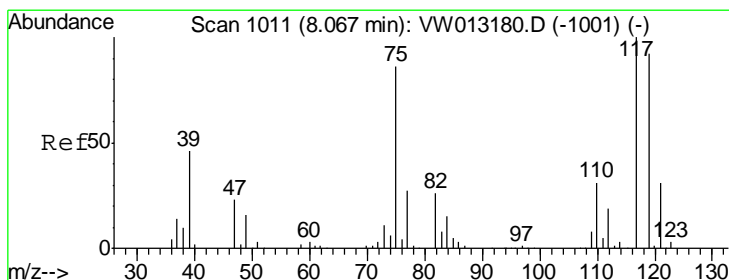
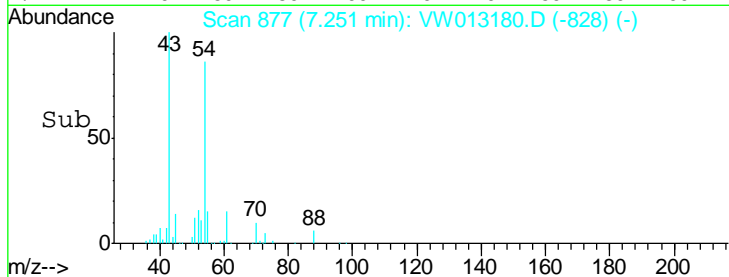
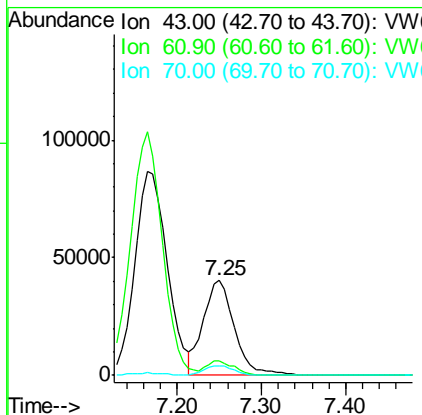
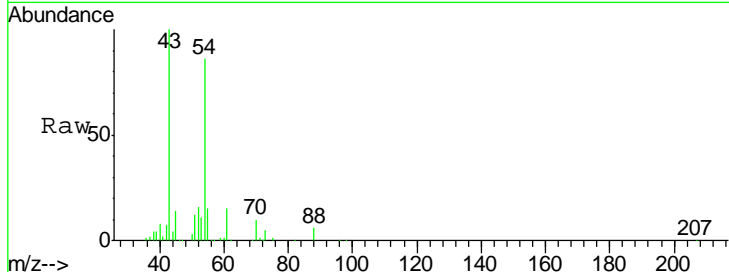


#37
Ethyl Acetate
Concen: 47.224 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	10.2	8.2	12.2

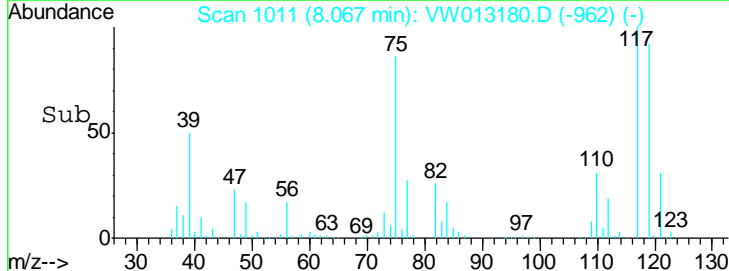
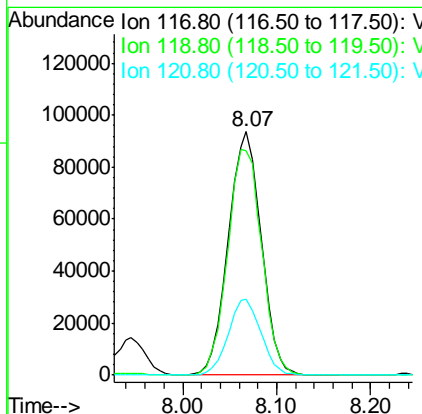
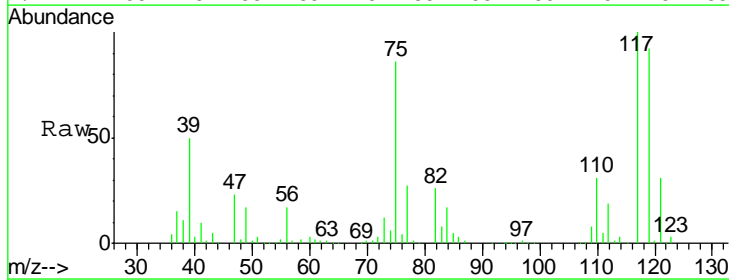
Instrument : MSVOA_W
Client Sampled : VSTDICCC050

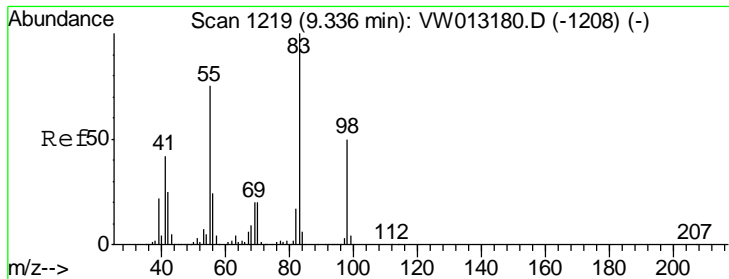
Manual Integrations APPROVED
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#38
Carbon Tetrachloride
Concen: 53.062 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
117	100		
119	91.9	73.5	110.3
121	31.3	25.0	37.6





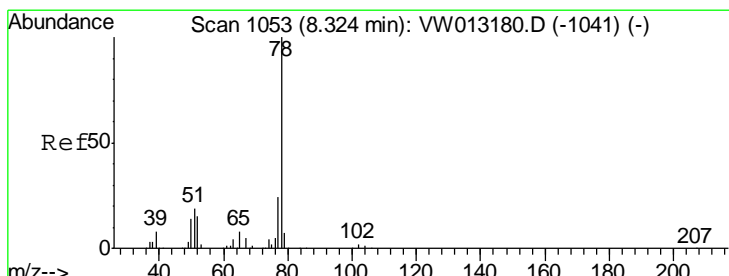
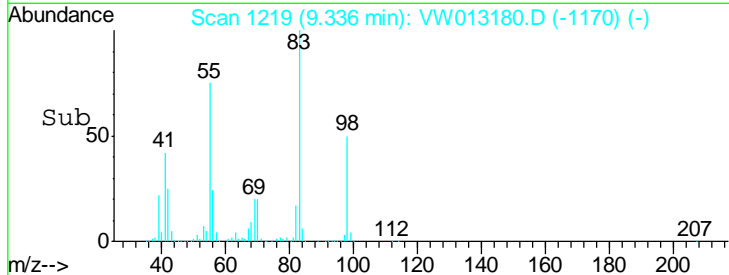
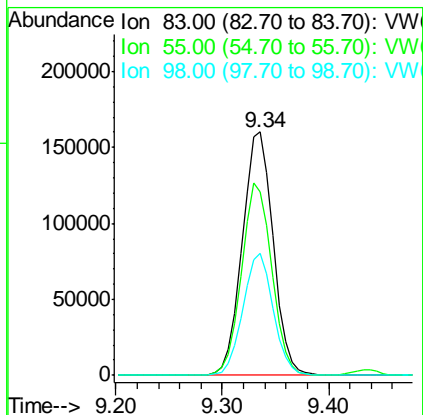
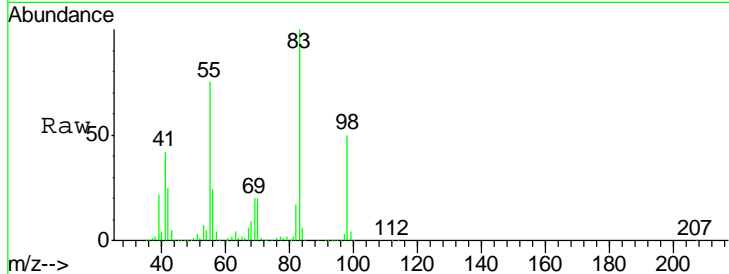
#39
 Methylcyclohexane
 Concen: 67.008 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	100		
55	75.5	60.4	90.6
98	50.0	40.0	60.0

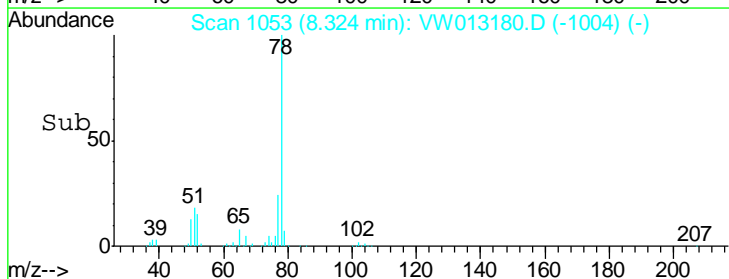
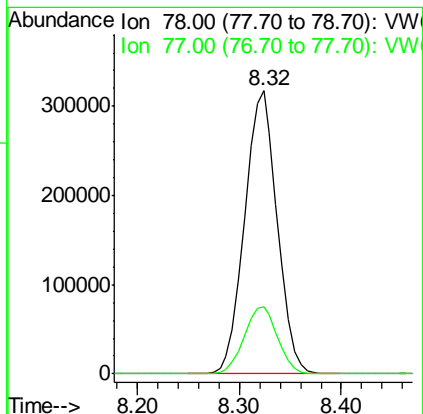
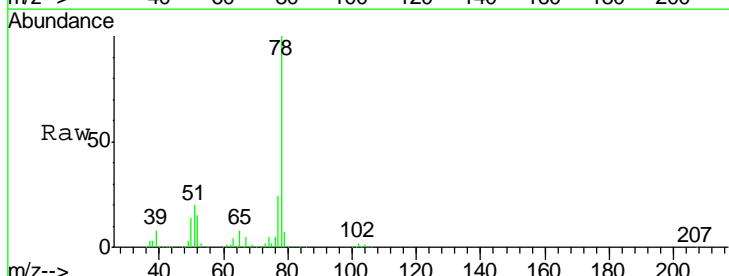
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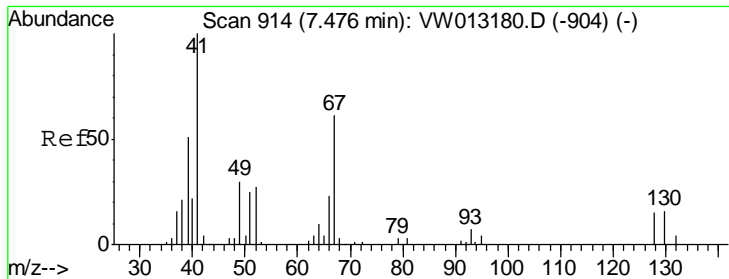
MMDadoda
 9/24/2019 5:28:45 AM



#40
 Benzene
 Concen: 58.572 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

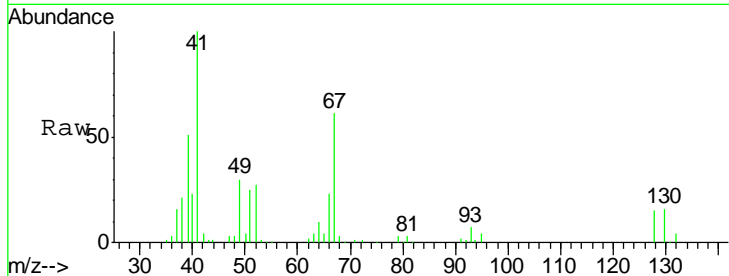
Tgt Ion	Resp	Lower	Upper
78	100		
77	23.9	19.1	28.7





#41
 Methacrylonitrile
 Concen: 44.896 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

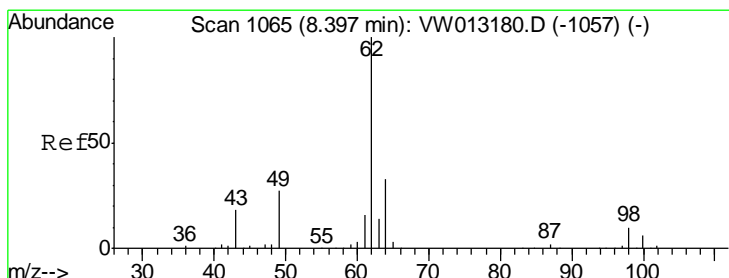
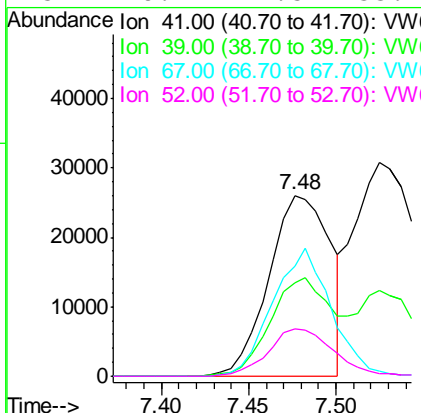
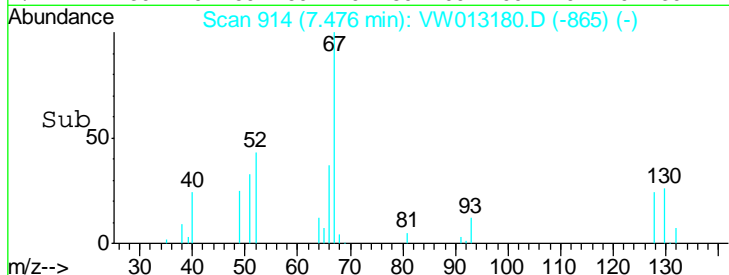


Tgt Ion: 41 Resp: 63836

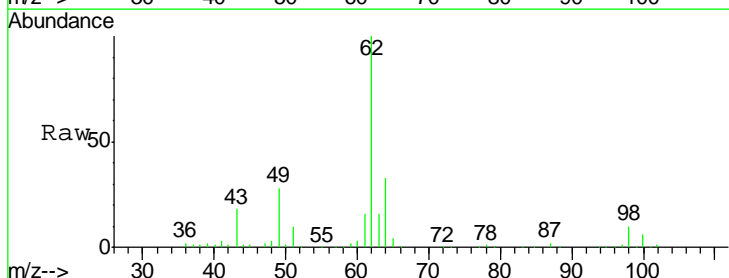
Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.9	68.9
67	68.1	54.5	81.7
52	28.1	22.5	33.7

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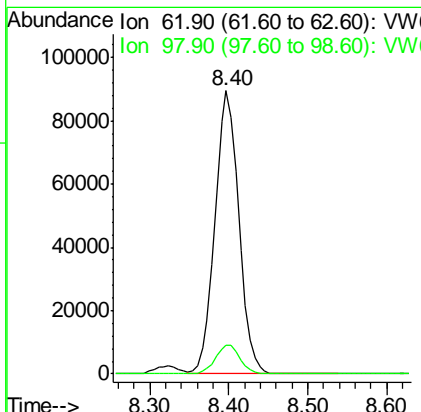
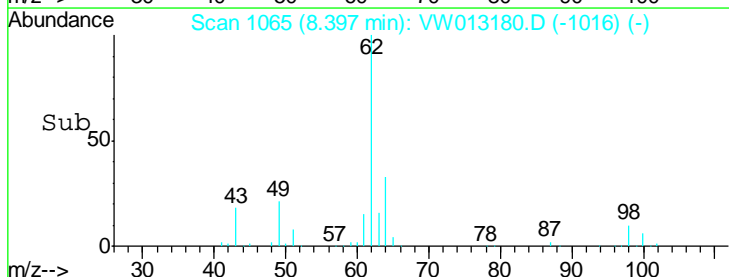


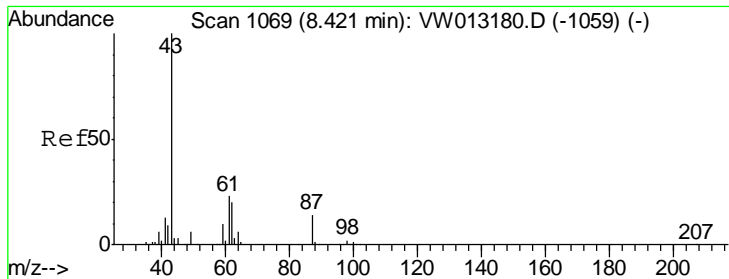
#42
 1,2-Dichloroethane
 Concen: 48.859 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01



Tgt Ion: 62 Resp: 188597

Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





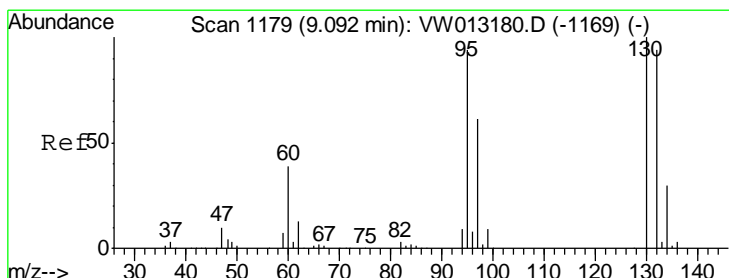
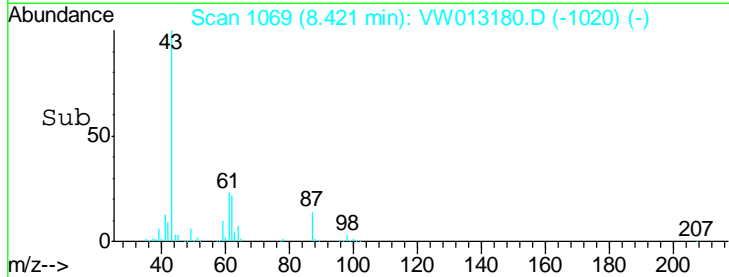
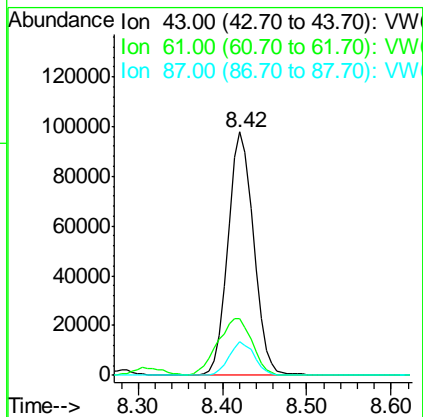
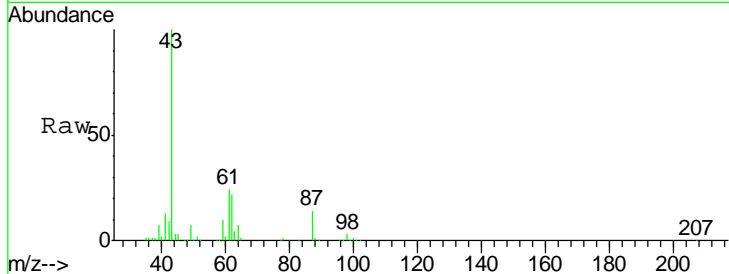
#43
 Isopropyl Acetate
 Concen: 48.007 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	31.9	25.5	38.3
87	13.7	11.0	16.4

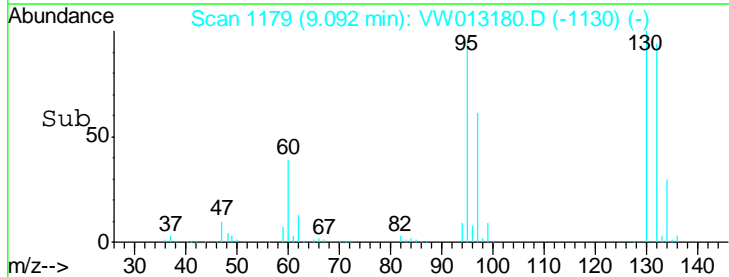
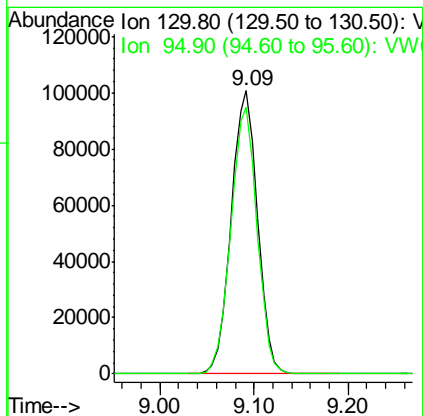
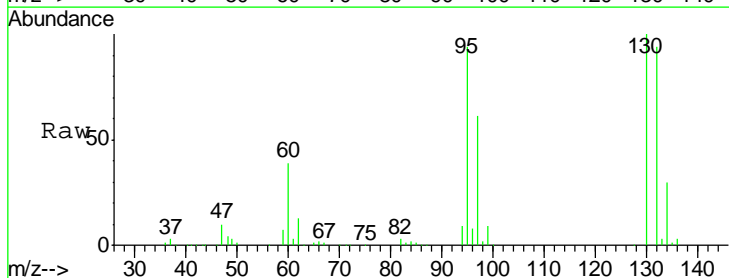
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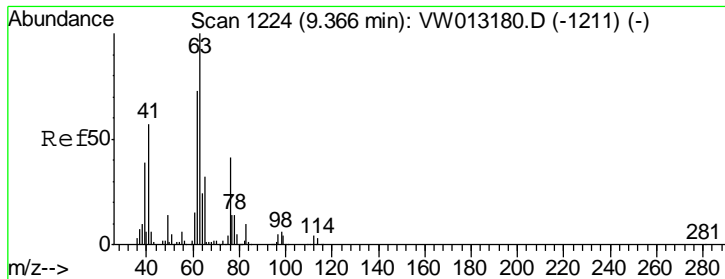
MMDadoda
 9/24/2019 5:28:45 AM



#44
 Trichloroethene
 Concen: 59.294 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.0	0.0	188.0





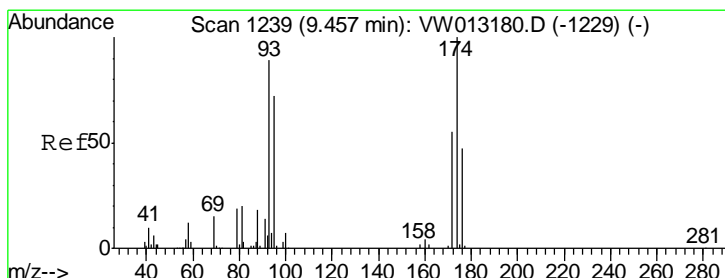
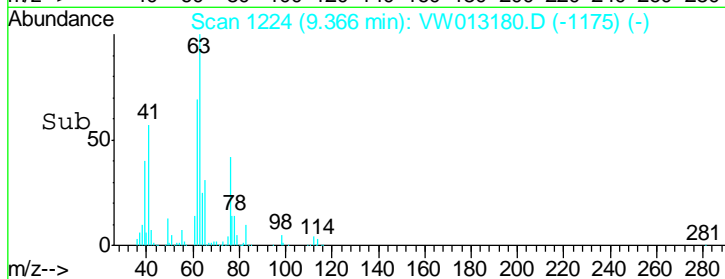
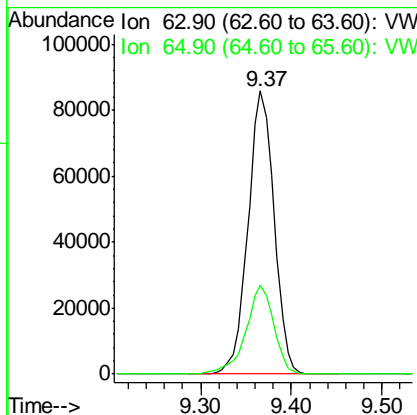
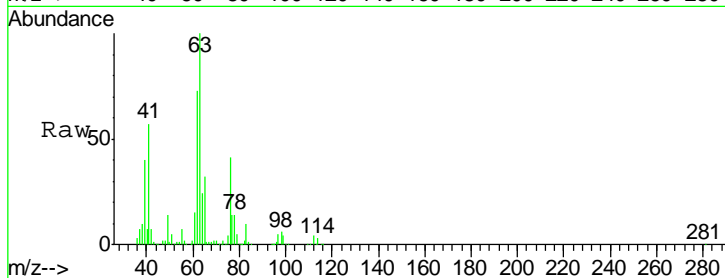
#45
 1,2-Dichloropropane
 Concen: 54.748 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
63	171000		
63	100		
65	31.6	25.3	37.9

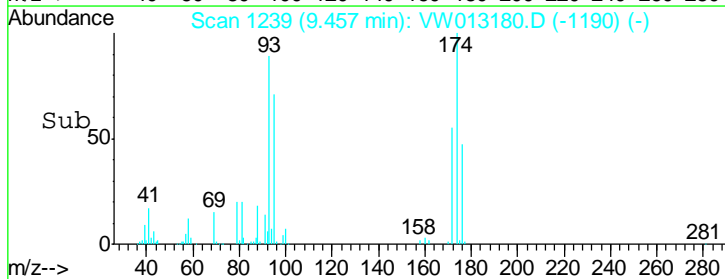
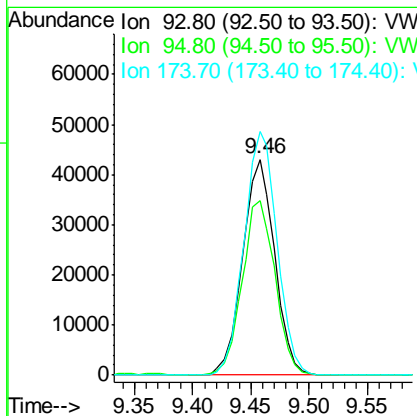
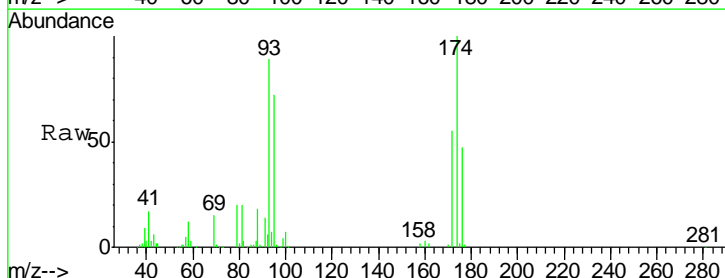
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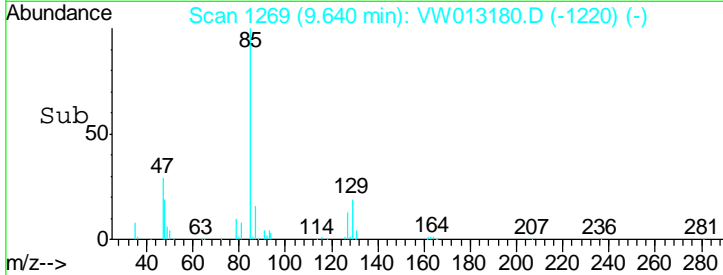
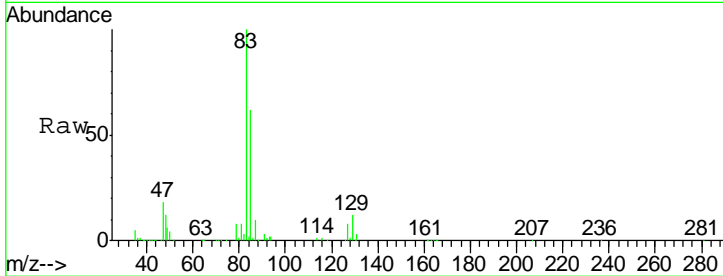
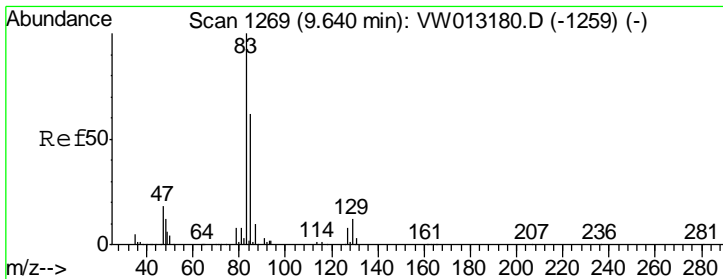
MMDadoda
 9/24/2019 5:28:45 AM



#46
 Dibromomethane
 Concen: 55.150 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
93	82726		
93	100		
95	83.0	66.4	99.6
174	116.3	93.0	139.6





#47

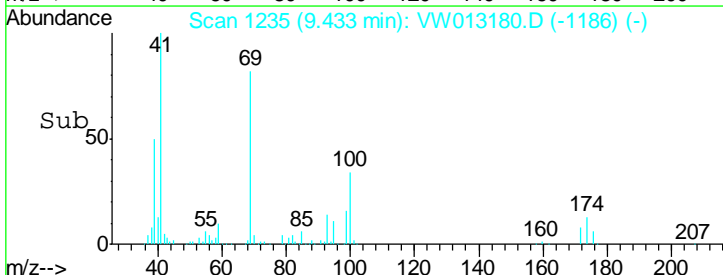
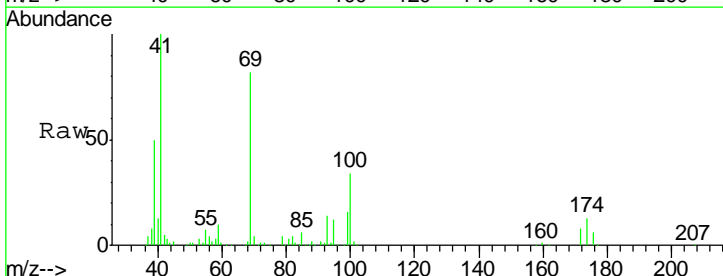
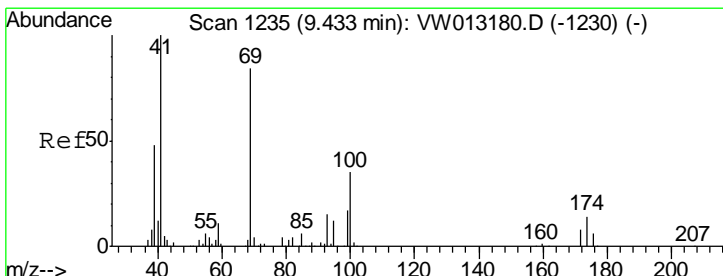
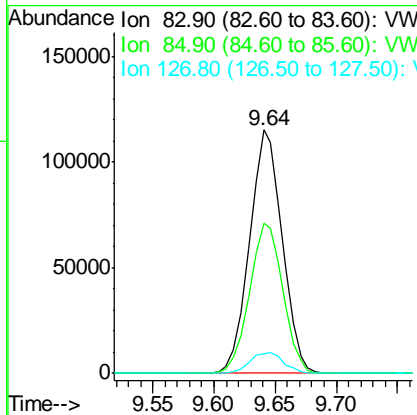
Bromodichloromethane
 Concen: 51.860 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
83	214485		
85	61.8	49.4	74.2
127	8.1	6.5	9.7

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Manual Integrations
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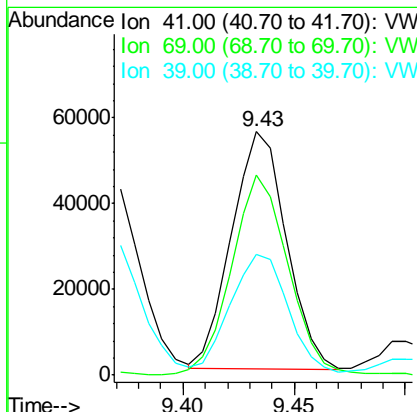
MMDadoda
 9/24/2019 5:28:45 AM

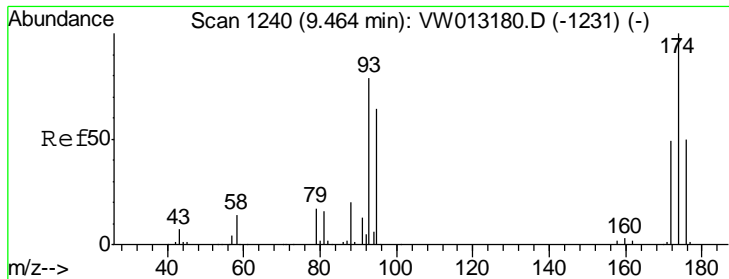


#48

Methyl methacrylate
 Concen: 48.218 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
41	94725		
69	87.1	69.7	104.5
39	51.4	41.1	61.7





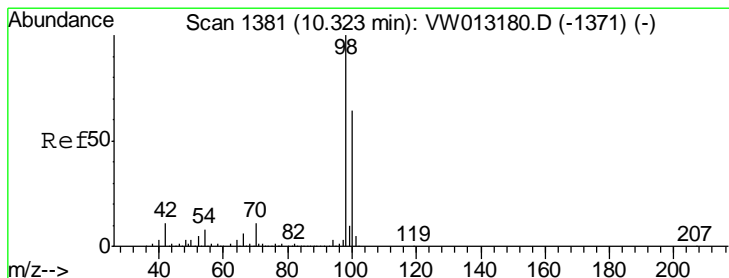
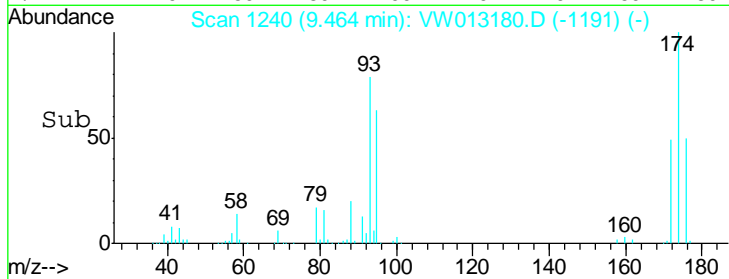
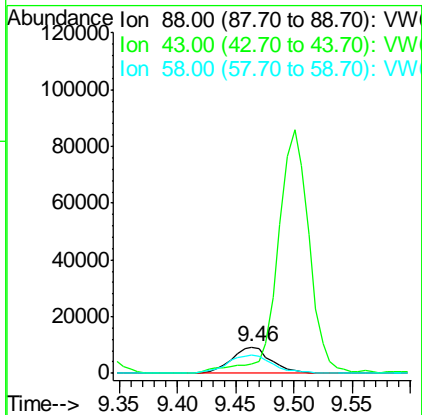
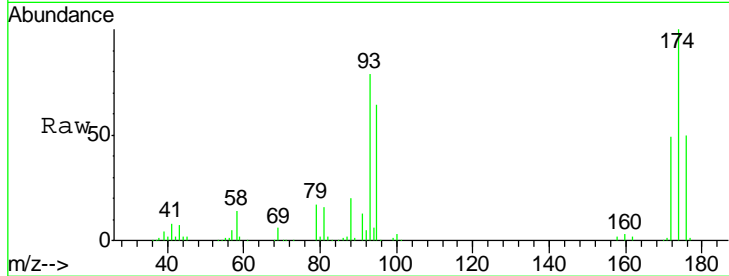
#49
 1,4-Dioxane
 Concen: 900.571 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	81.7	65.4	98.0

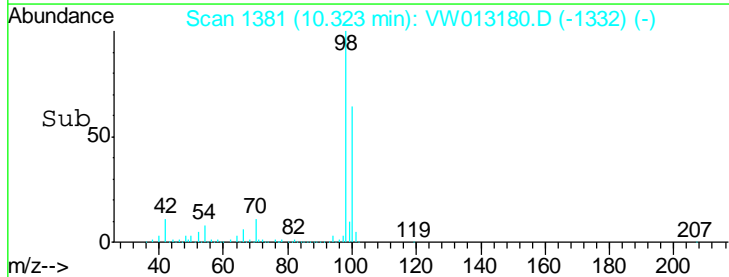
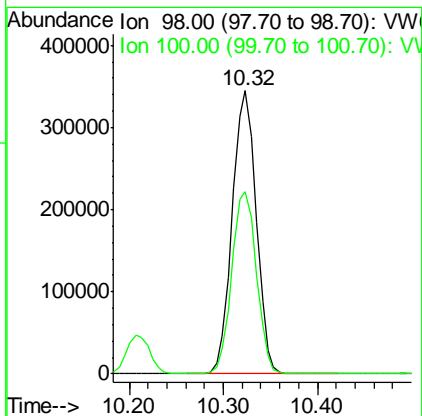
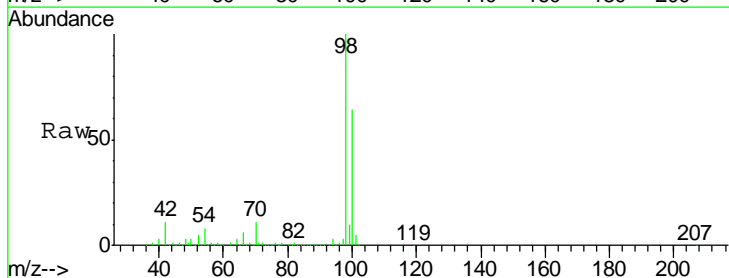
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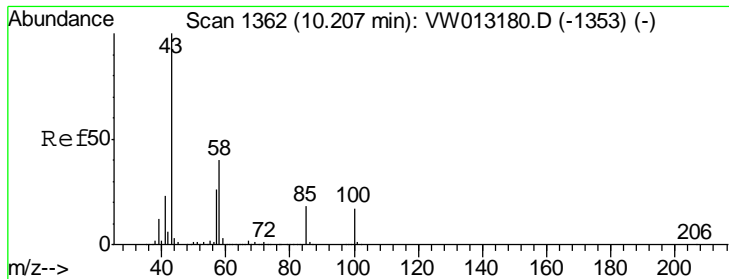
MMDadoda
 9/24/2019 5:28:45 AM



#50
 Toluene-d8
 Concen: 55.094 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.1	52.9	79.3





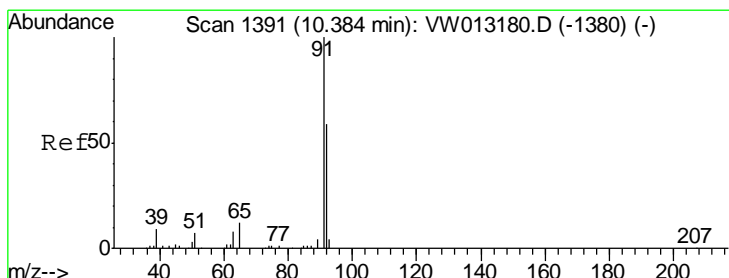
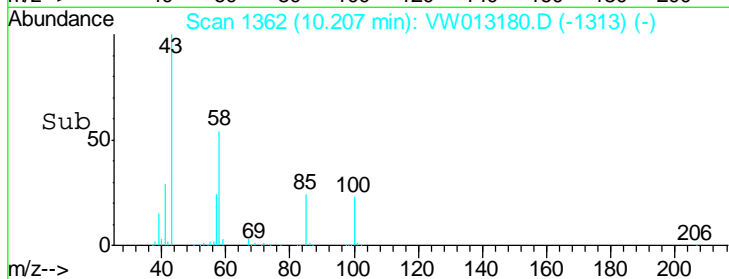
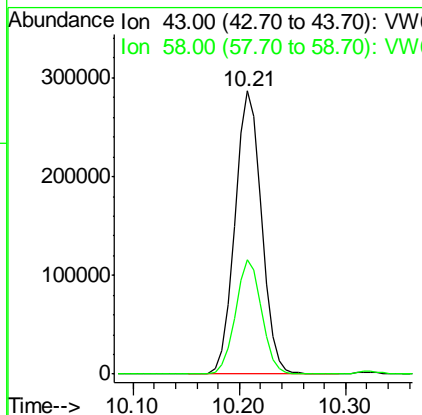
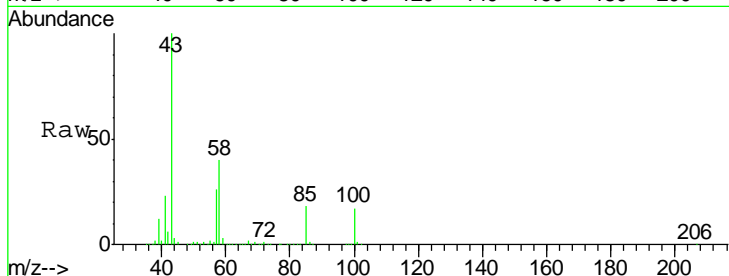
#51
 4-Methyl-2-Pentanone
 Concen: 234.766 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.6	31.7	47.5

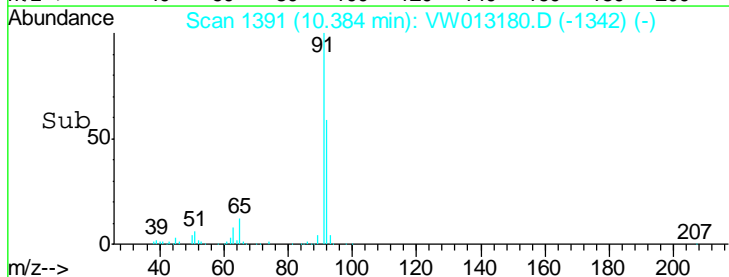
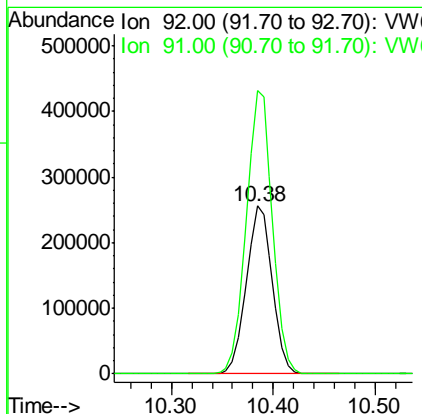
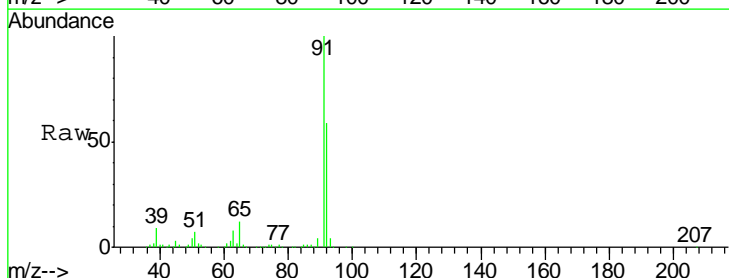
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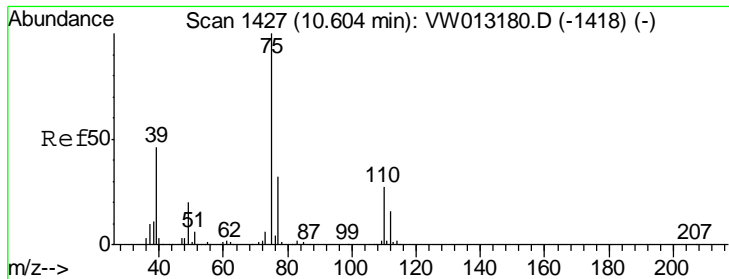
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#52
 Toluene
 Concen: 59.379 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.6	135.7	203.5





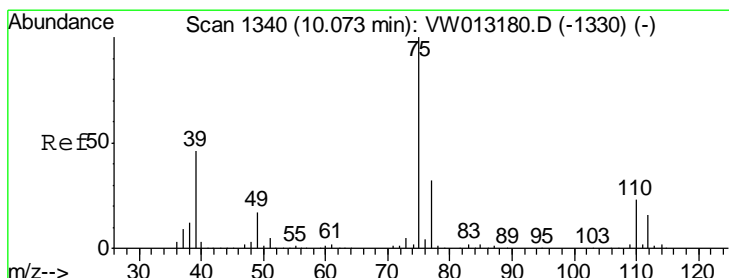
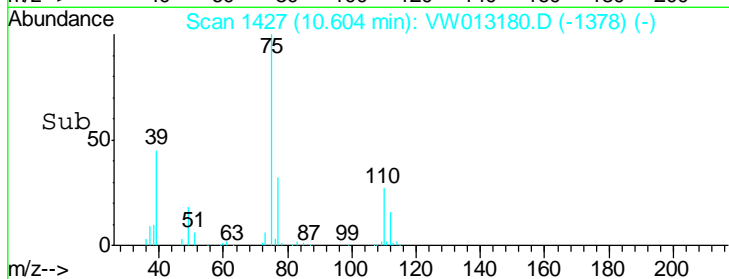
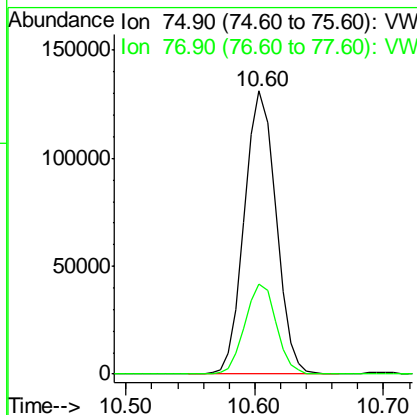
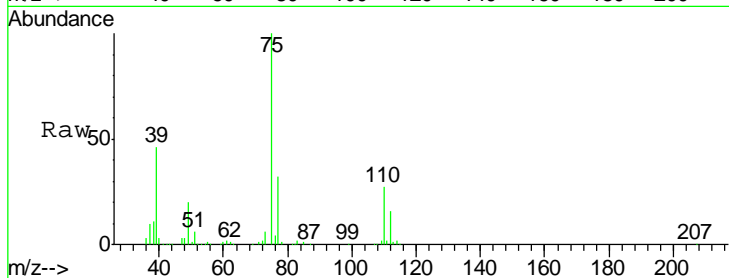
#53
 t-1,3-Dichloropropene
 Concen: 53.337 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	223058		
75	100		
77	31.9	25.5	38.3

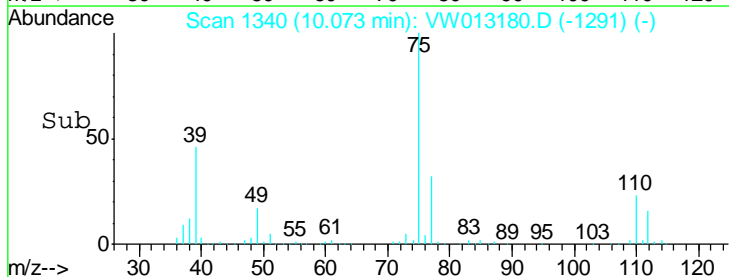
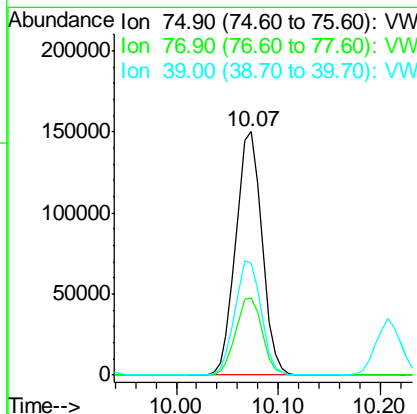
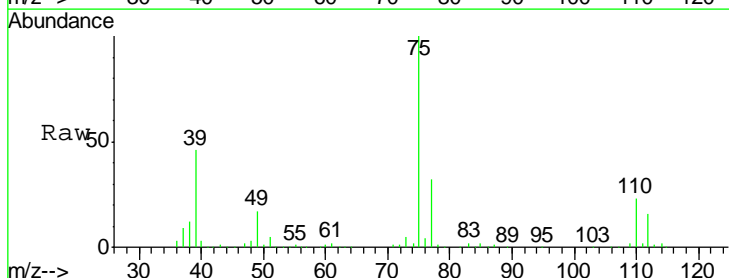
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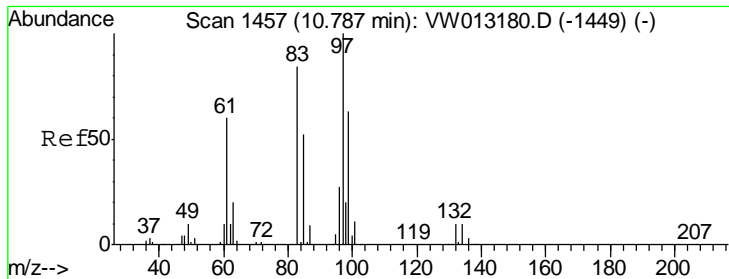
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 9/24/2019 5:28:45 AM



#54
 cis-1,3-Dichloropropene
 Concen: 55.296 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
75	266998		
75	100		
77	31.5	25.2	37.8
39	45.8	36.6	55.0





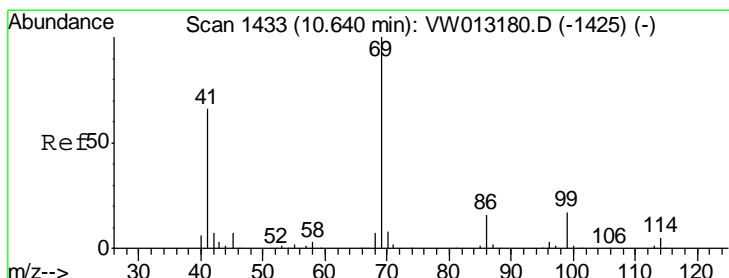
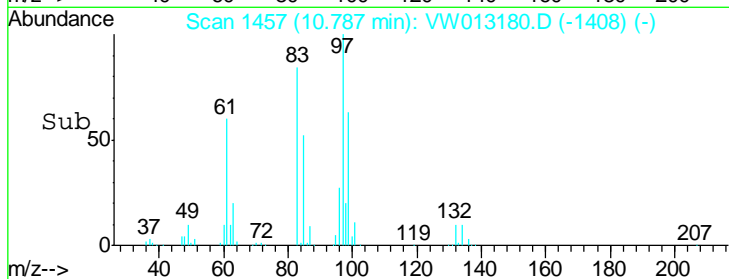
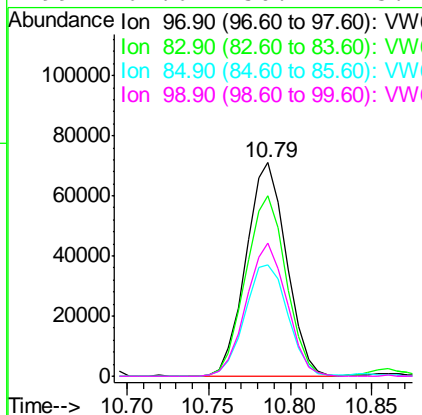
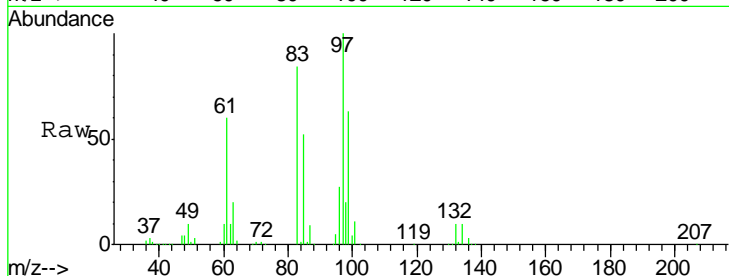
#55
 1,1,2-Trichloroethane
 Concen: 53.817 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
97	122566		
97	100		
83	84.5	67.6	101.4
85	52.4	41.9	62.9
99	62.6	50.1	75.1

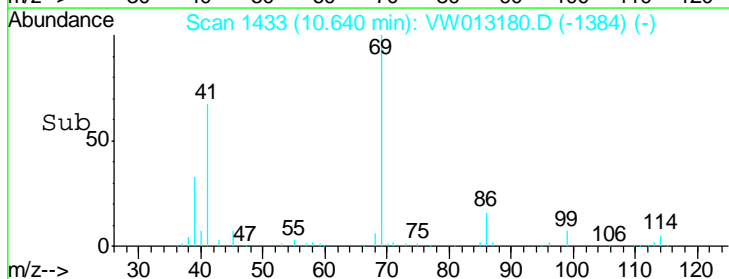
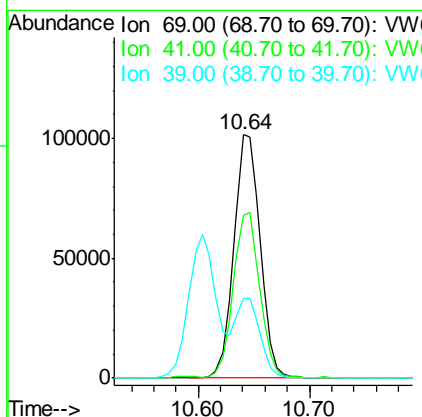
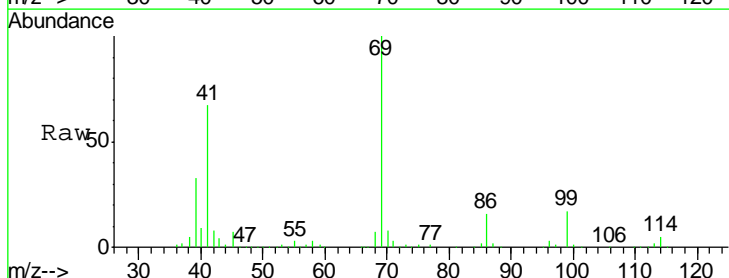
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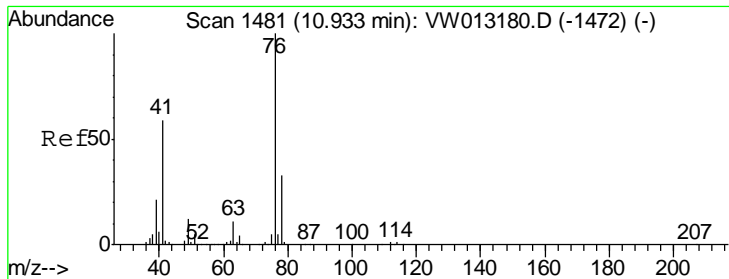
MMDadoda
 9/24/2019 5:28:45 AM



#56
 Ethyl methacrylate
 Concen: 54.572 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
69	166300		
69	100		
41	67.4	53.9	80.9
39	29.7	23.8	35.6





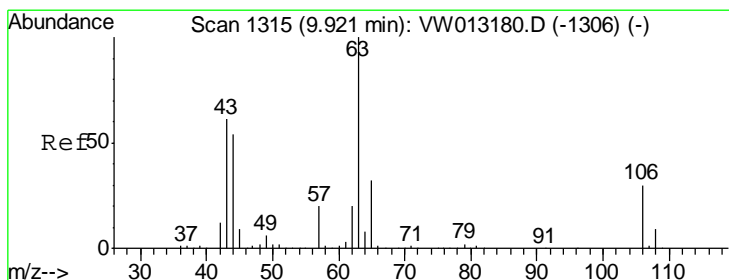
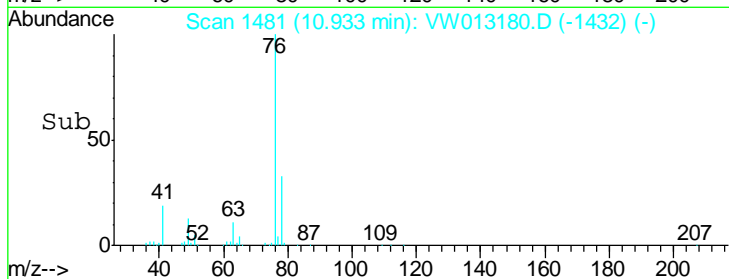
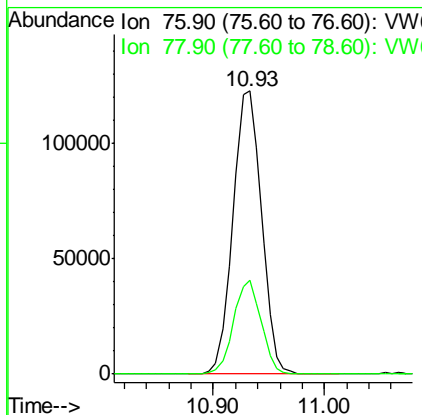
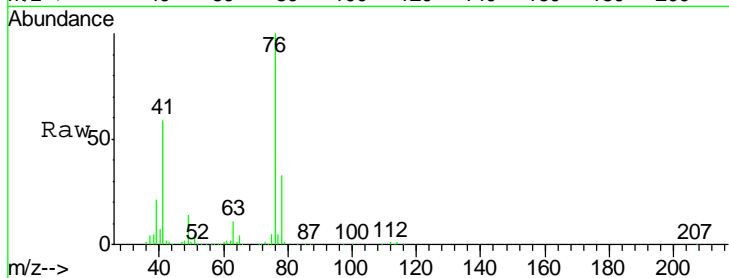
#57
 1,3-Dichloropropane
 Concen: 54.058 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	217807		
76	100		
78	31.9	25.5	38.3

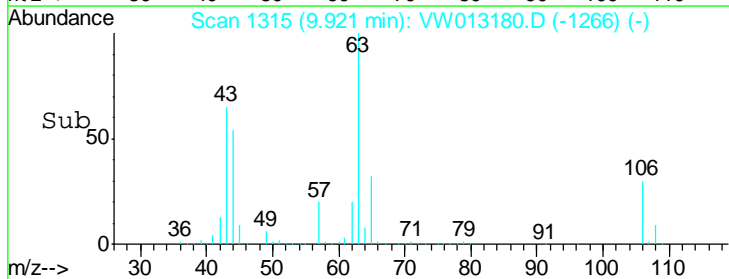
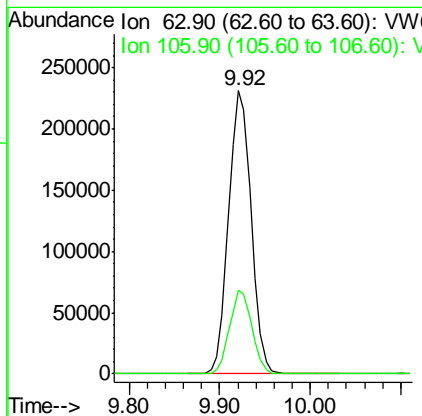
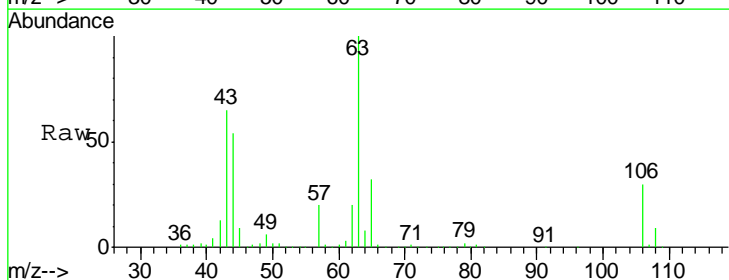
Manual Integrations
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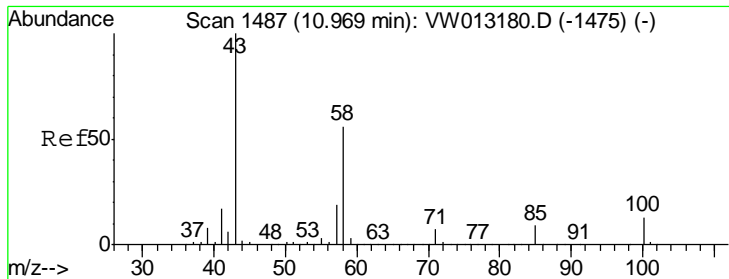
MMDadoda
 9/24/2019 5:28:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.108 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
63	398369		
63	100		
106	29.2	23.4	35.0





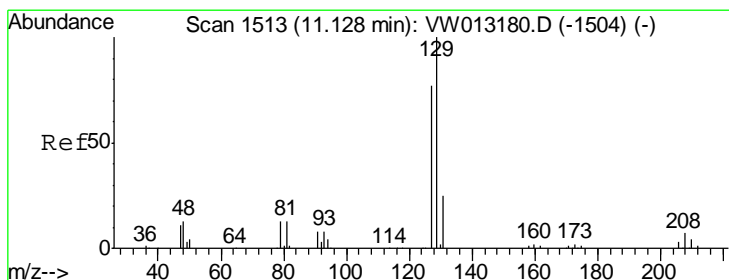
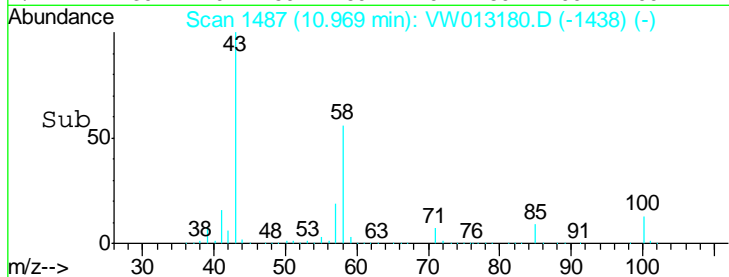
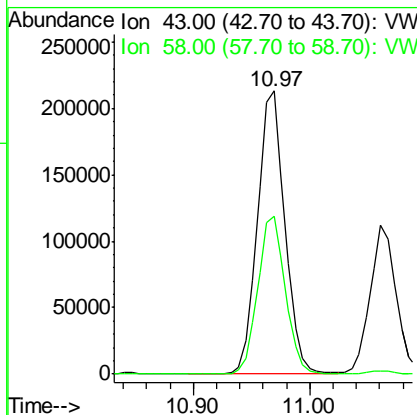
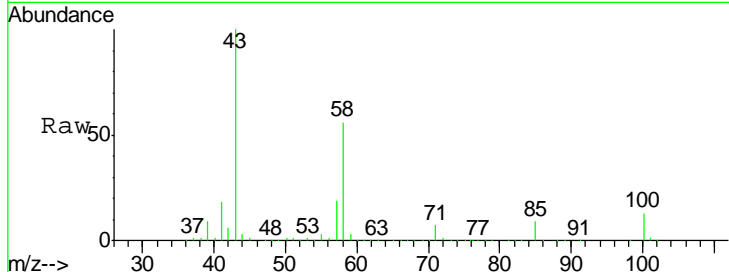
#59
 2-Hexanone
 Concen: 234.044 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.1	28.1	84.2

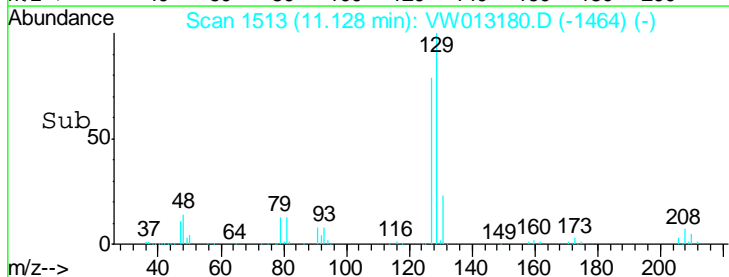
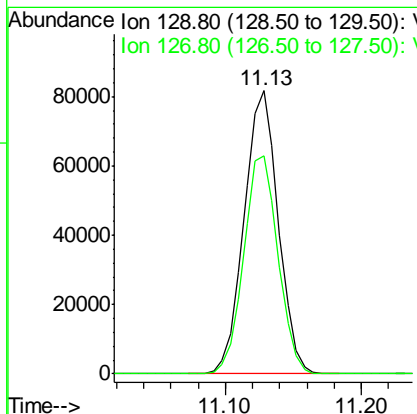
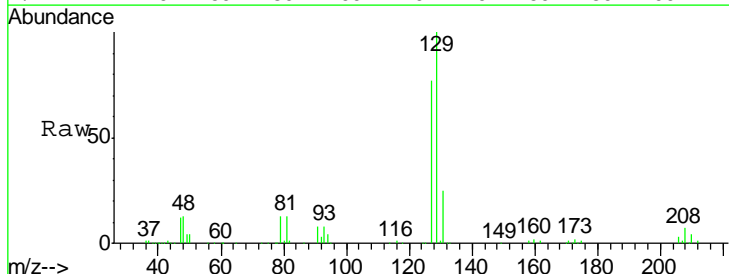
Manual Integrations
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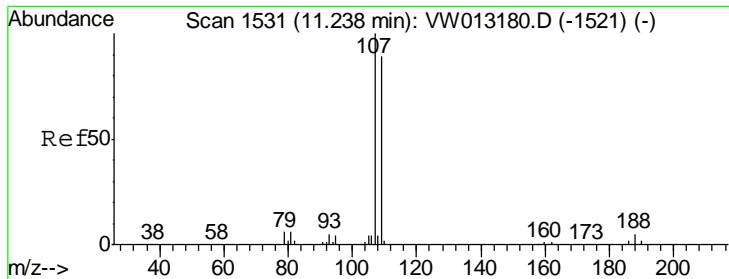
MMDadoda
 9/24/2019 5:28:45 AM



#60
 Dibromochloromethane
 Concen: 52.683 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.6	38.8	116.4





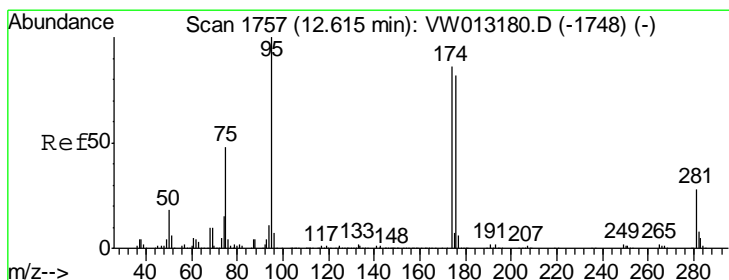
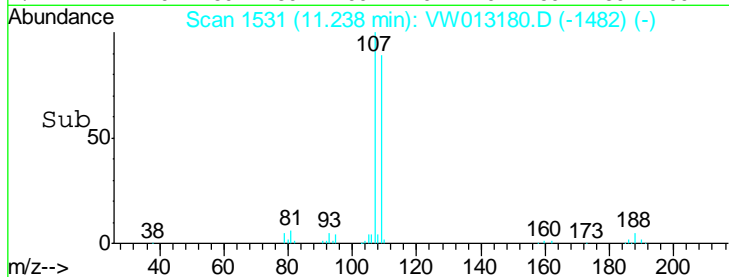
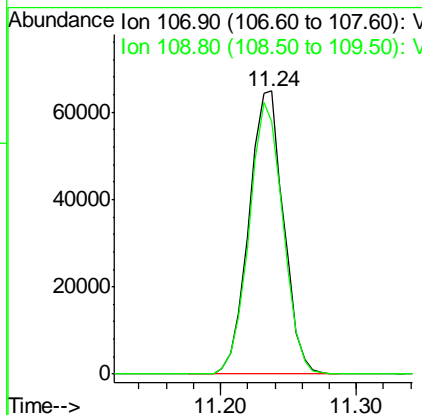
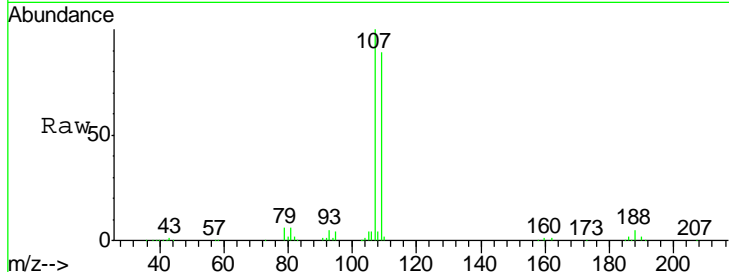
#61
 1,2-Dibromoethane
 Concen: 55.611 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
107	115901		
109	94.0	75.2	112.8

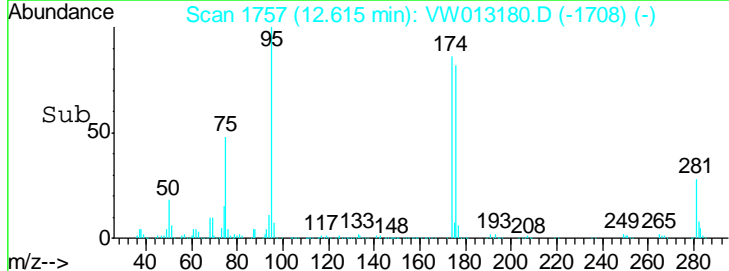
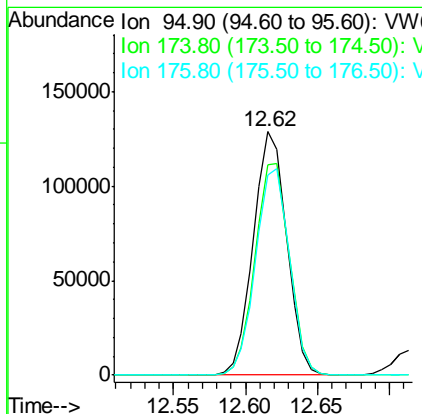
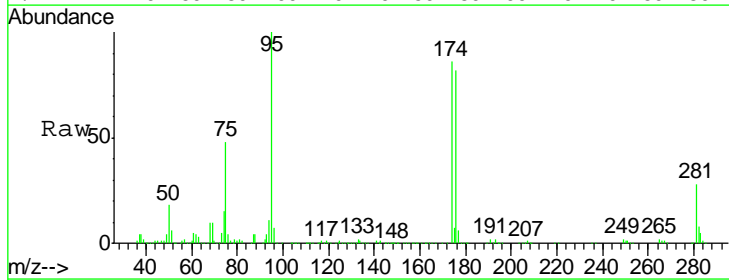
Manual Integrations
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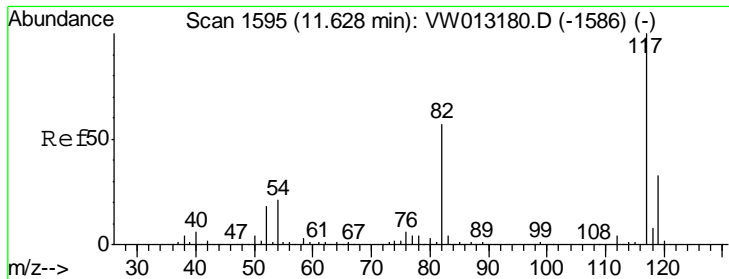
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#62
 4-Bromofluorobenzene
 Concen: 51.941 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
95	206285		
174	89.2	0.0	178.4
176	86.1	0.0	172.2





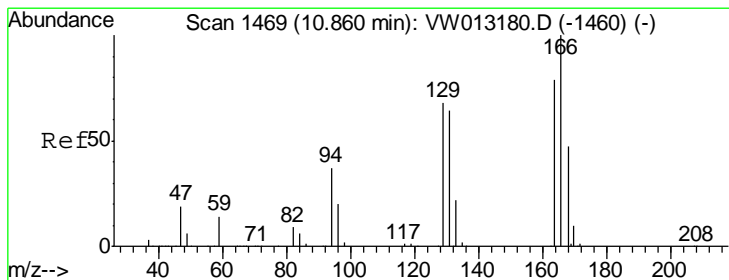
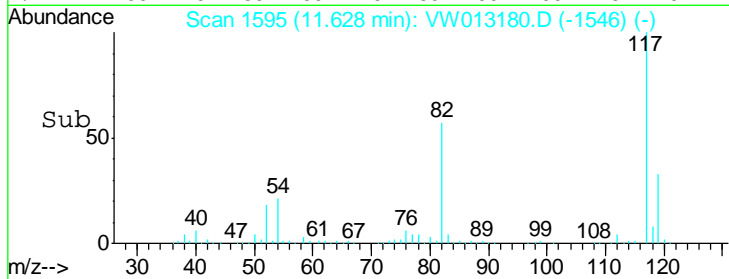
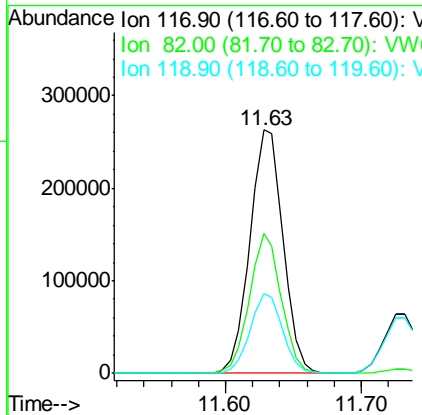
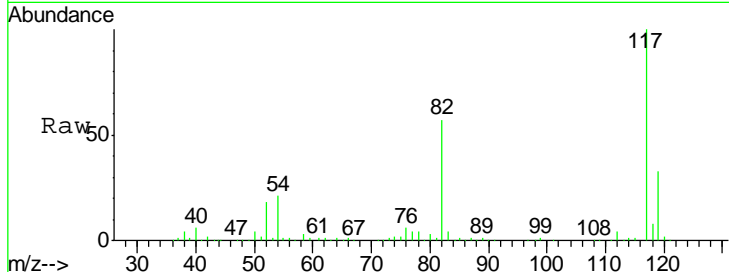
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
117	100		
82	57.4	45.9	68.9
119	32.7	26.2	39.2

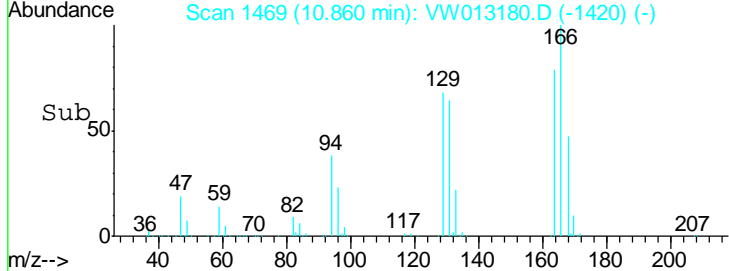
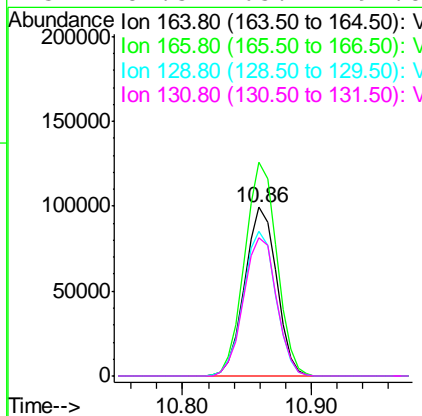
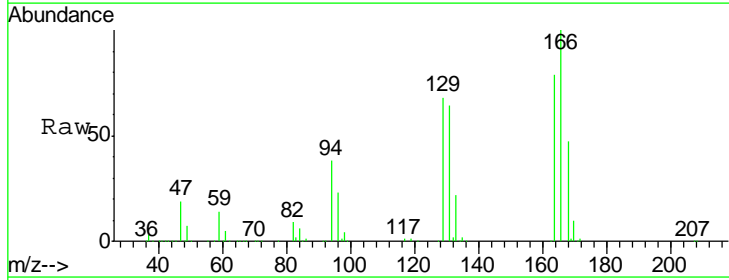
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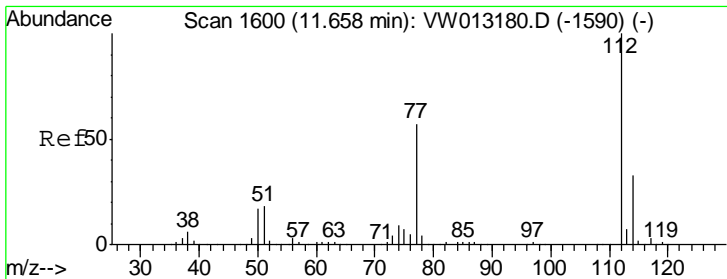
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#64
 Tetrachloroethene
 Concen: 60.631 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
164	100		
166	126.5	101.2	151.8
129	86.0	68.8	103.2
131	81.5	65.2	97.8





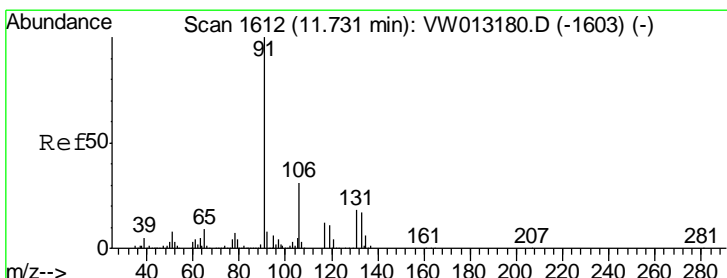
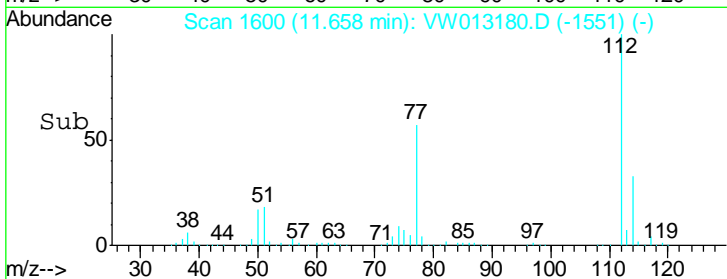
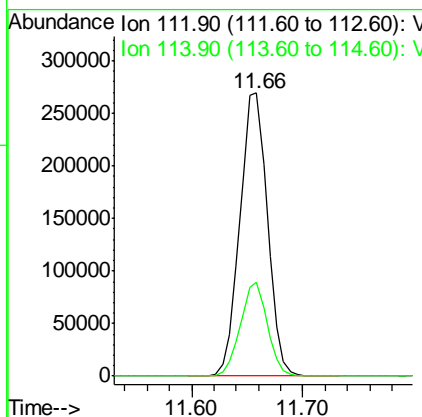
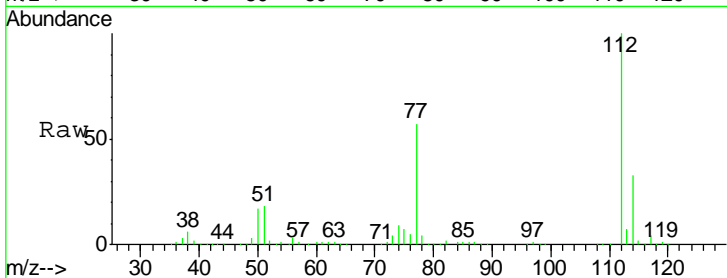
#65
 Chlorobenzene
 Concen: 56.335 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
112	100		
114	33.1	26.5	39.7

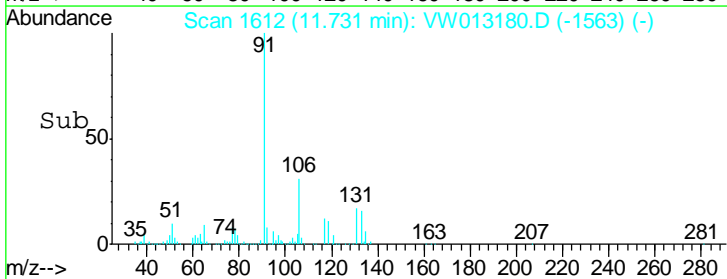
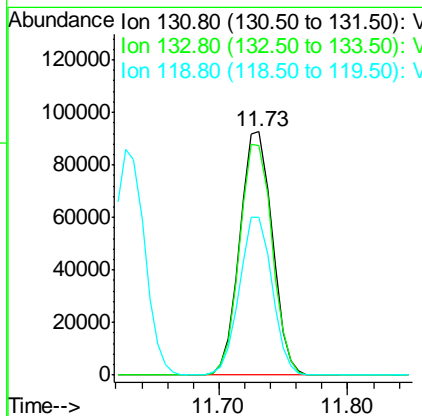
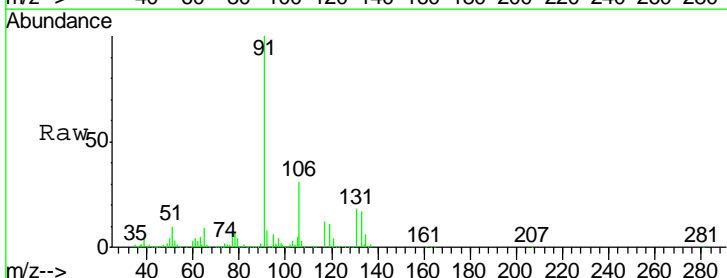
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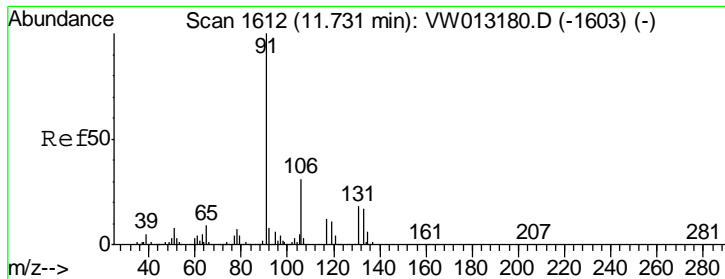
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.650 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.1	47.5	142.6
119	65.0	32.5	97.5





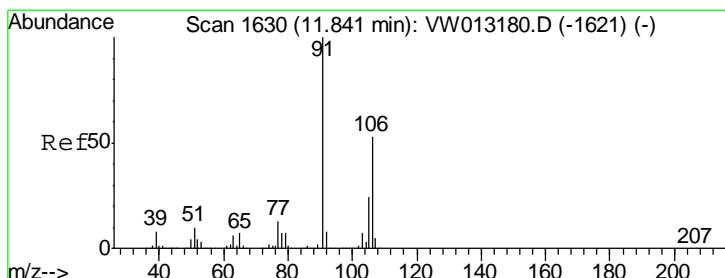
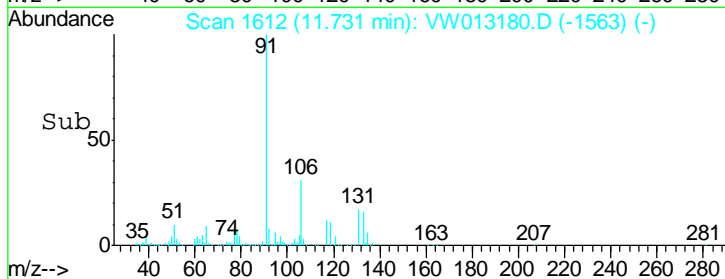
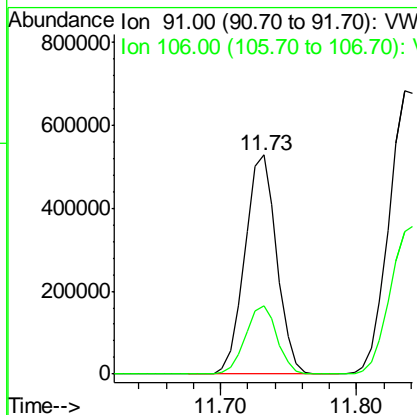
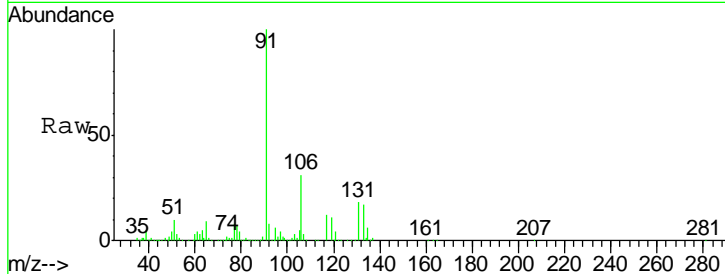
#67
 Ethyl Benzene
 Concen: 57.157 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.1	24.9	37.3

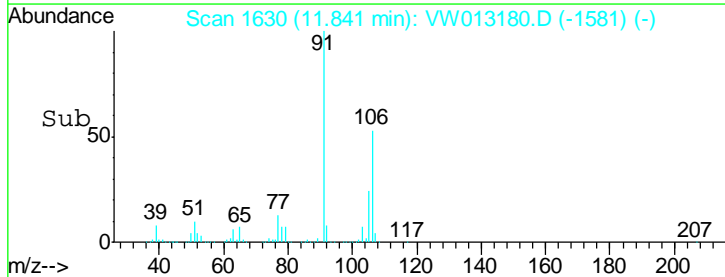
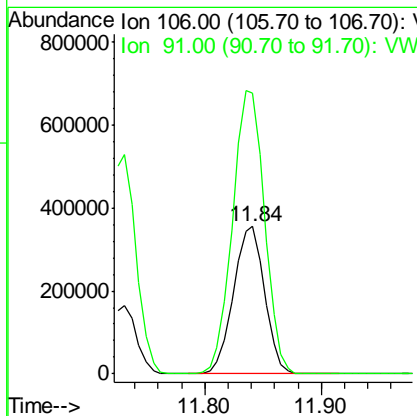
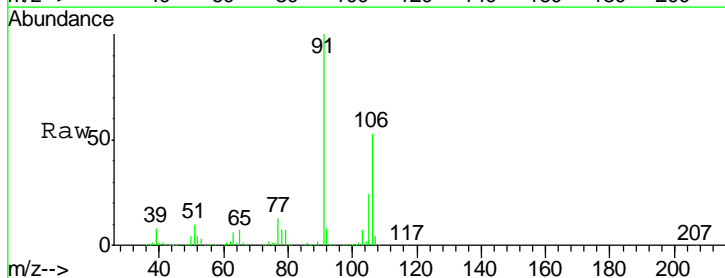
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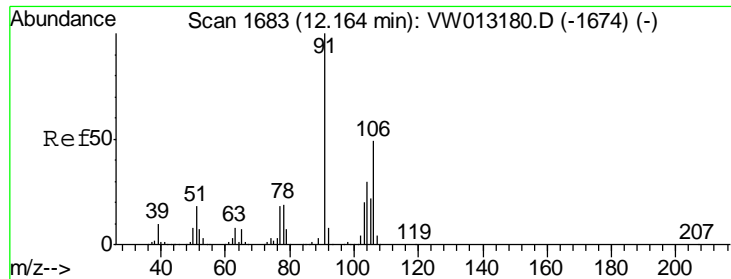
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 9/24/2019 5:28:45 AM



#68
 m/p-Xylenes
 Concen: 118.835 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
106	100		
91	197.4	157.9	236.9





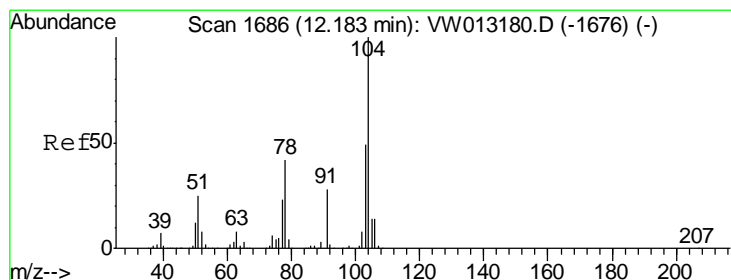
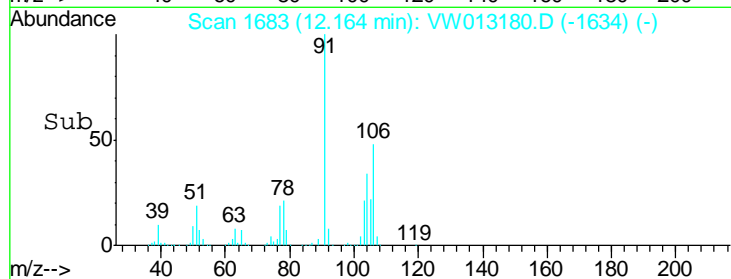
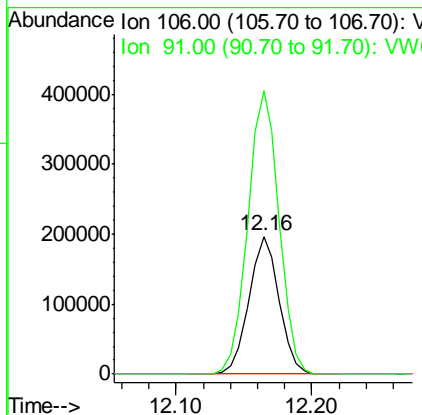
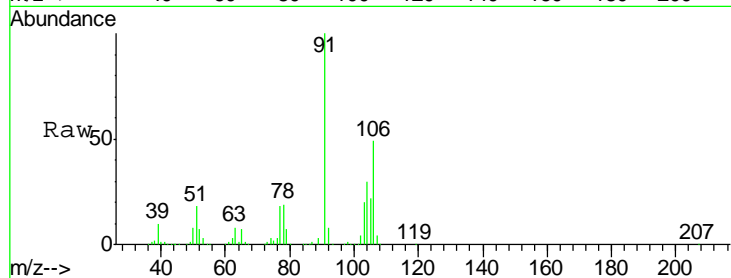
#69
 o-Xylene
 Concen: 58.457 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
106	304359		
106	100		
91	213.0	106.5	319.5

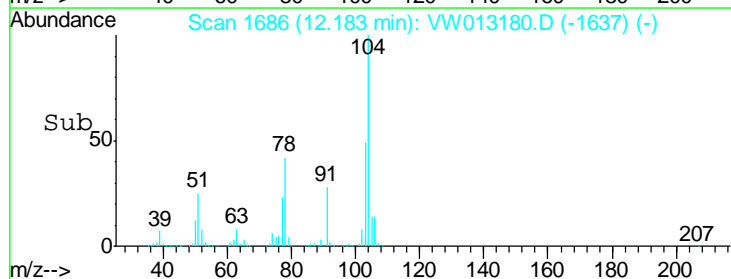
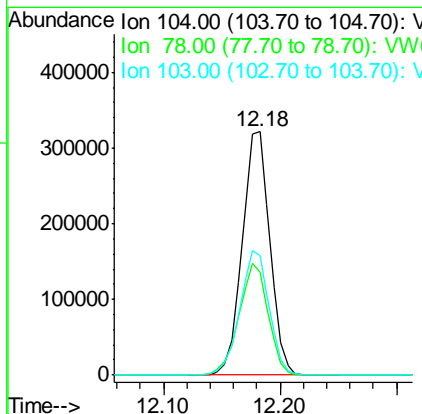
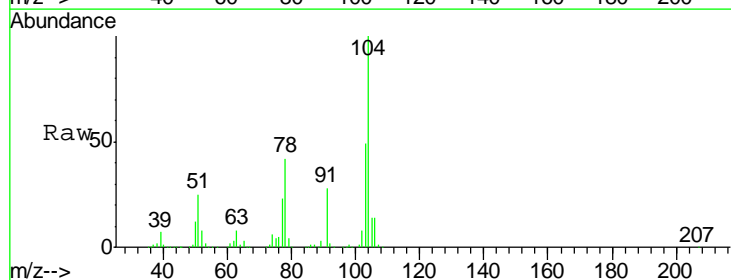
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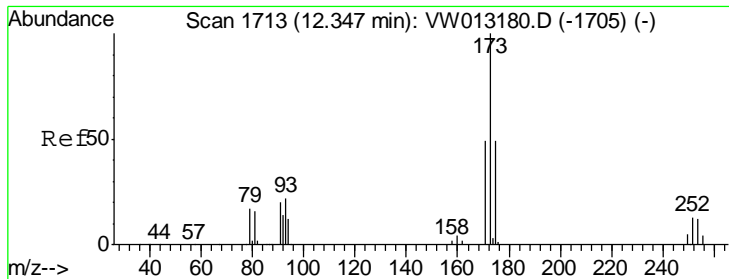
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#70
 Styrene
 Concen: 57.781 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

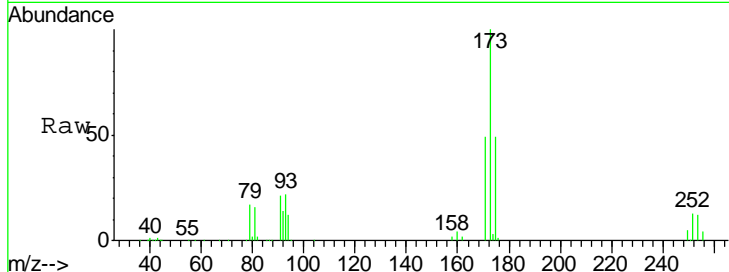
Tgt Ion	Resp	Lower	Upper
104	533121		
104	100		
78	48.0	38.4	57.6
103	54.1	43.3	64.9





#71
 Bromoform
 Concen: 52.774 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

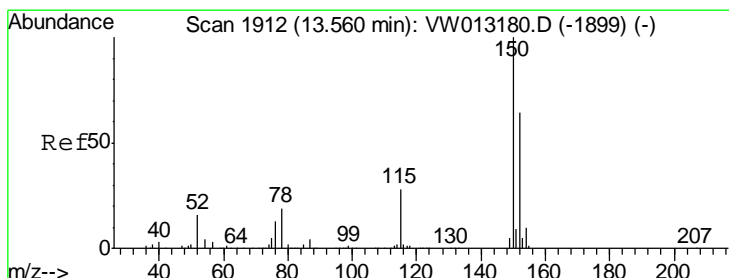
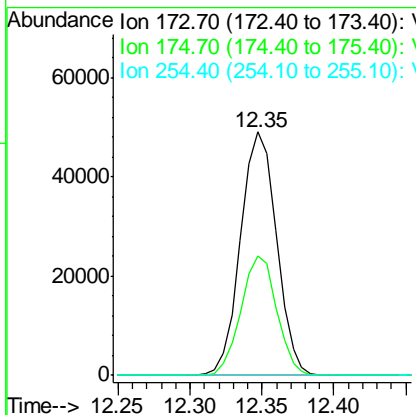
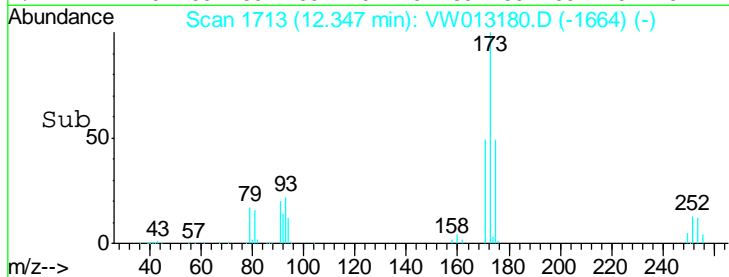
Instrument : MSVOA_W
 Client Sampled : VSTDICCC050



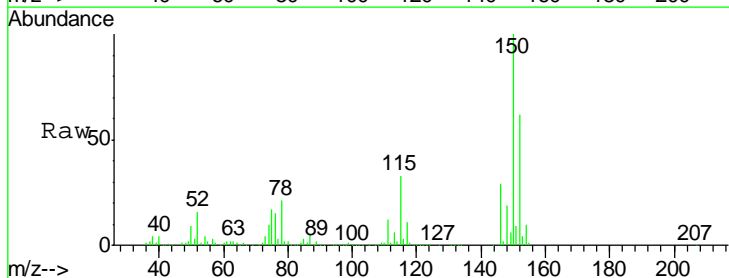
Tgt Ion: 173 Resp: 85046

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1

Manual Integrations APPROVED
 MMDadoda
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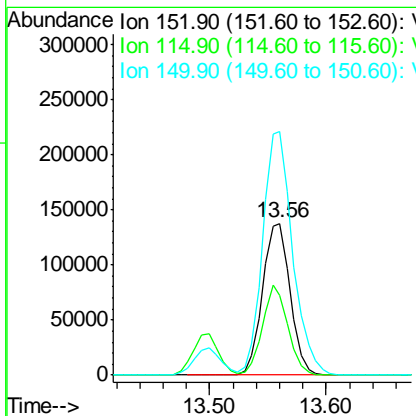
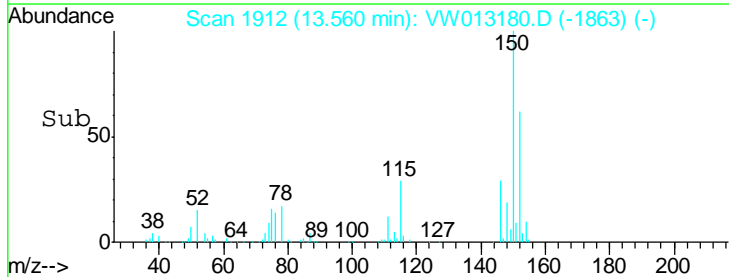


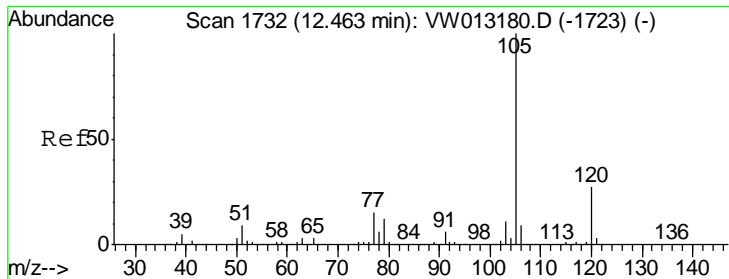
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01



Tgt Ion: 152 Resp: 226435

Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.3	81.9
150	174.5	0.0	349.0





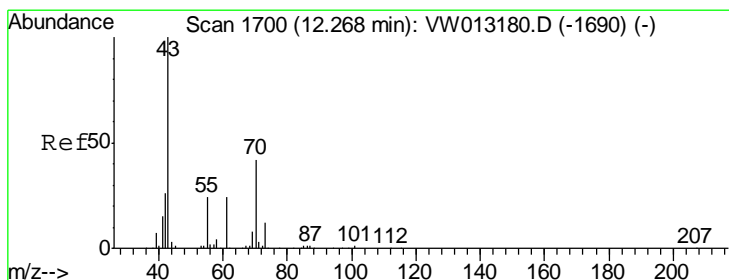
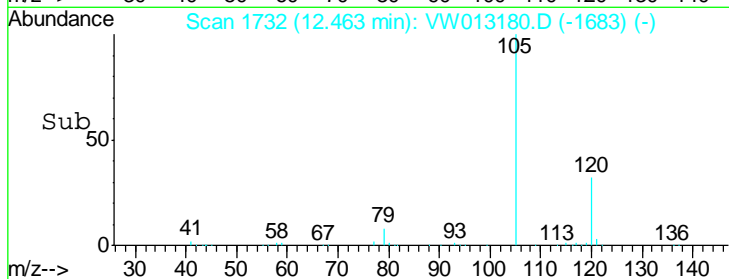
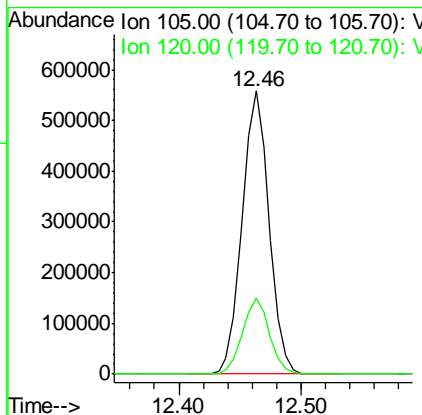
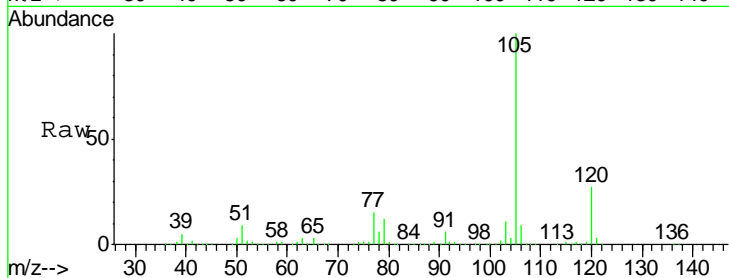
#73
 Isopropylbenzene
 Concen: 55.684 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.7	13.4	40.1

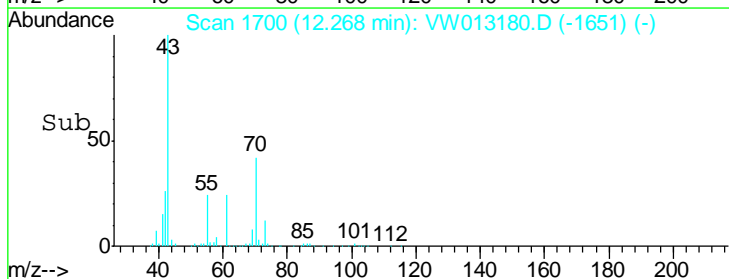
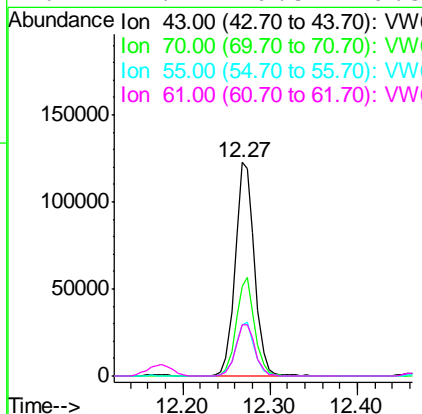
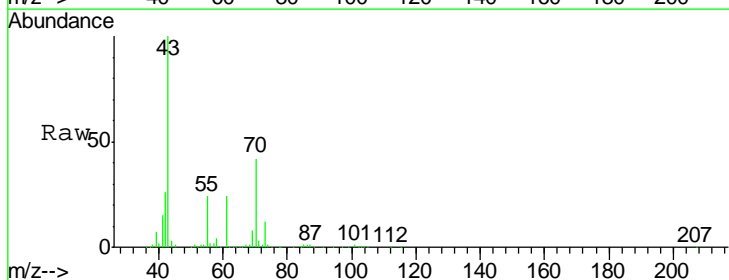
Manual Integrations
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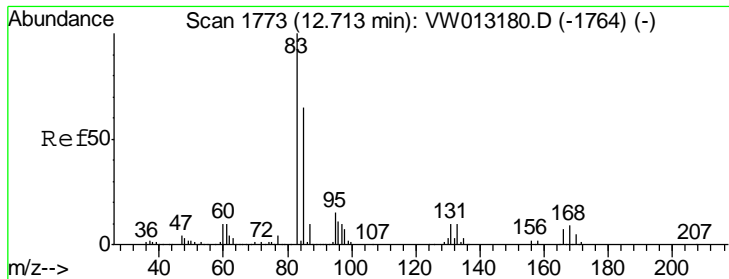
MMDadoda
 9/24/2019 5:28:45 AM



#74
 N-ethyl acetate
 Concen: 49.417 ug/l
 RT: 12.27 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
43	100		
70	43.9	35.1	52.7
55	24.9	19.9	29.9
61	24.4	19.5	29.3





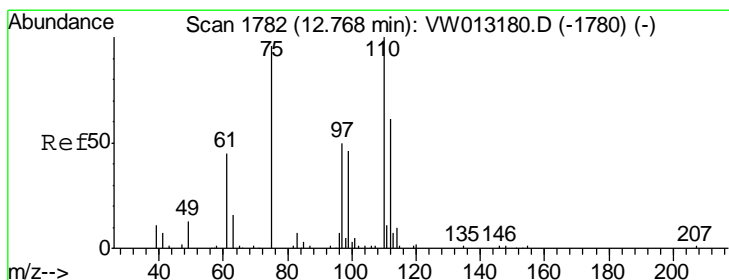
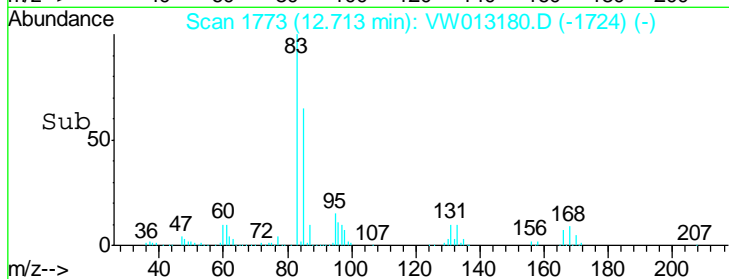
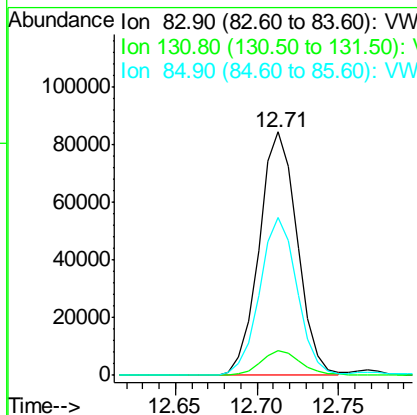
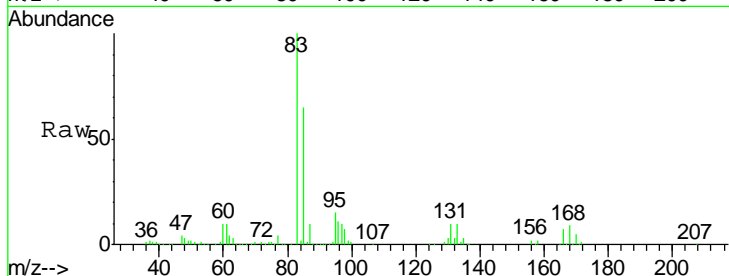
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.941 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	136902		
83	100		
131	10.8	5.4	16.2
85	63.9	31.9	95.9

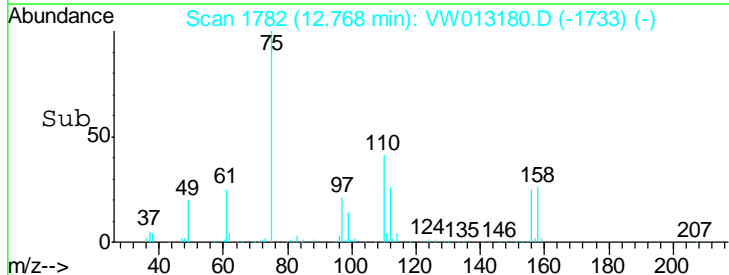
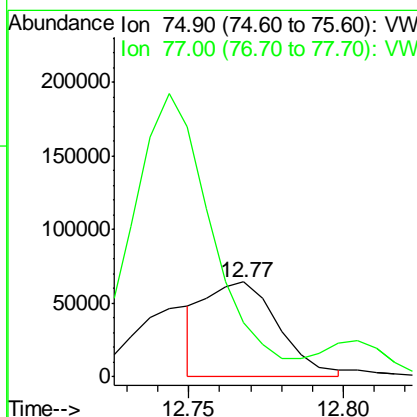
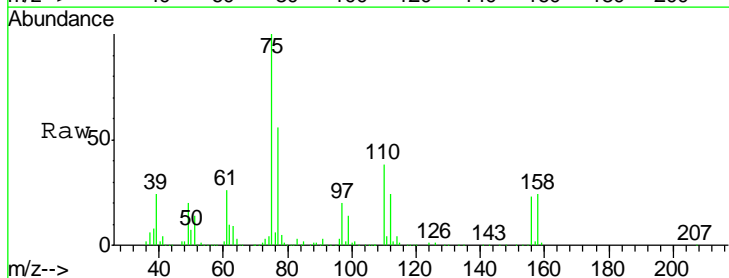
Manual Integrations
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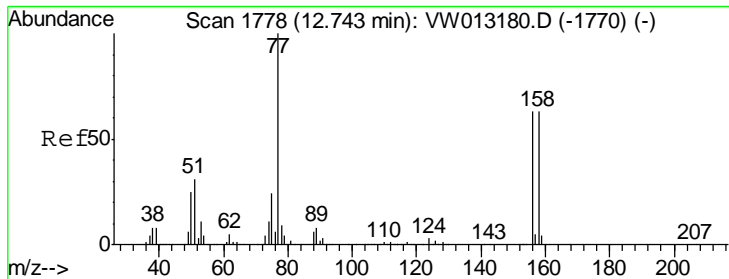
MMDadoda
 9/24/2019 5:28:45 AM



#76
 1,2,3-Trichloropropane
 Concen: 53.551 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

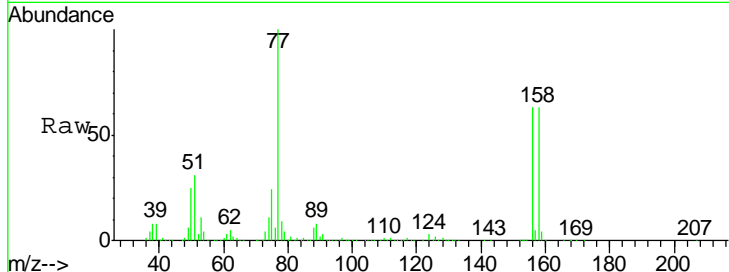
Tgt Ion	Resp	Lower	Upper
75	105785		
75	100		
77	0.0	0.0	0.0





#77
 Bromobenzene
 Concen: 57.443 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

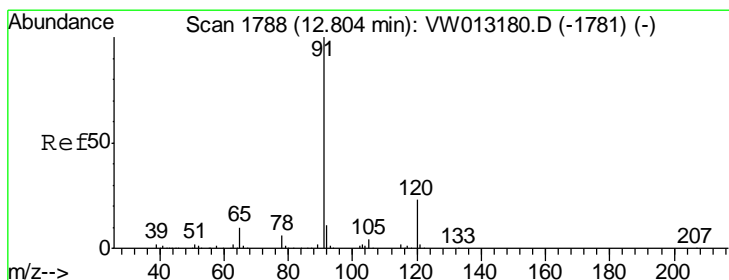
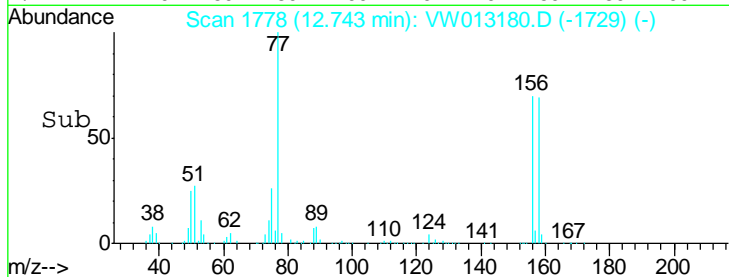
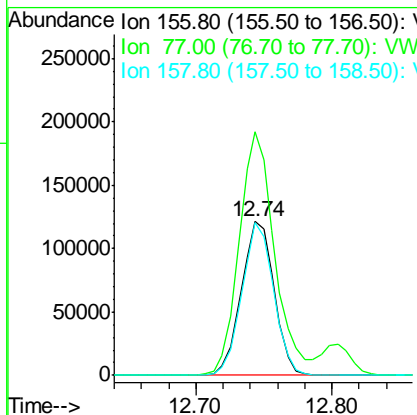


Tgt Ion: 156 Resp: 204059

Ion	Ratio	Lower	Upper
156	100		
77	171.4	85.7	257.1
158	96.3	48.1	144.4

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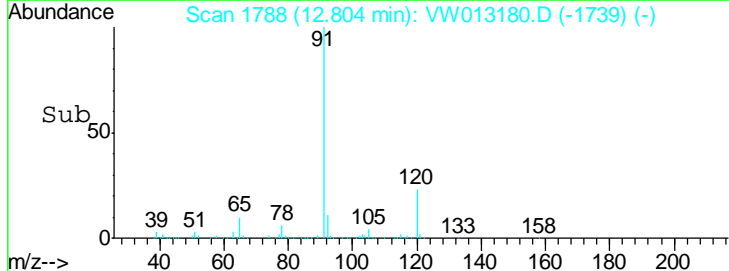
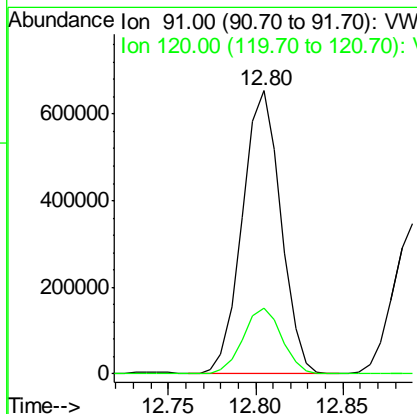
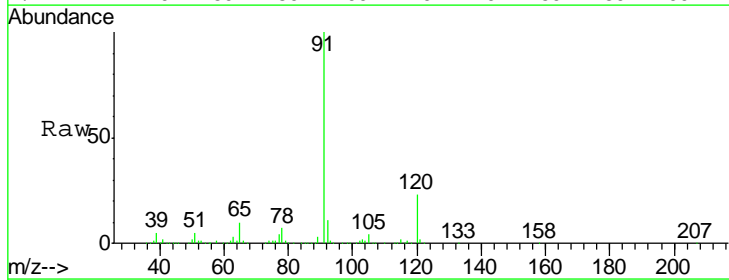
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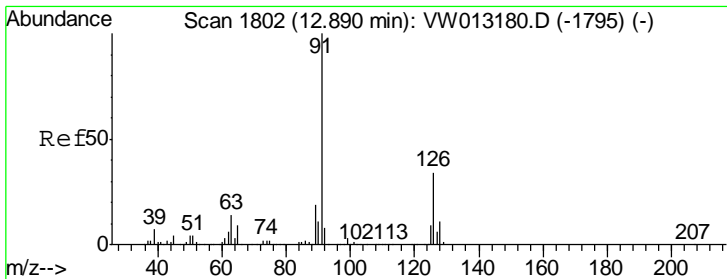


#78
 n-propylbenzene
 Concen: 55.869 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion: 91 Resp: 1001450

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.7	35.1





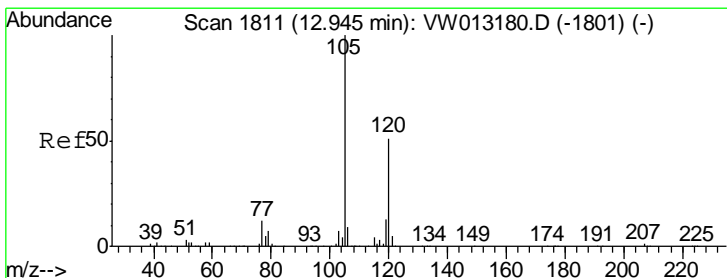
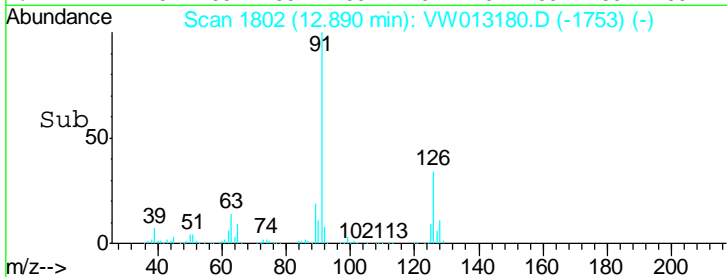
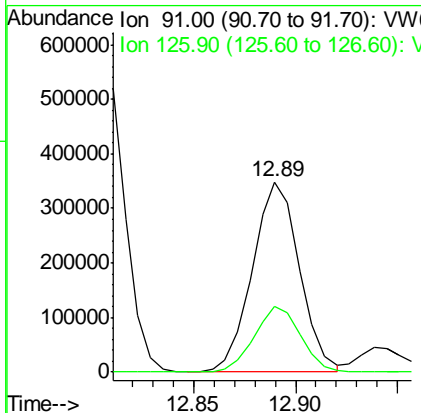
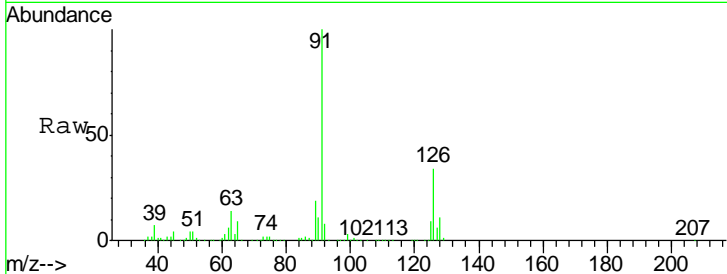
#79
 2-Chlorotoluene
 Concen: 54.289 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.3	17.2	51.5

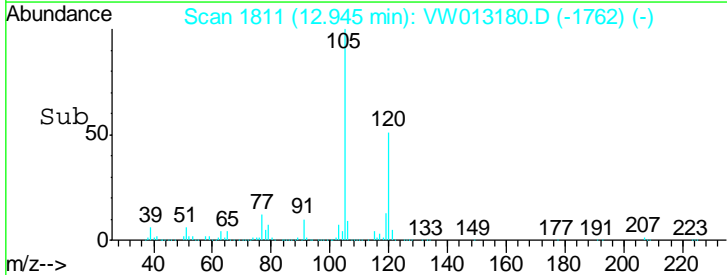
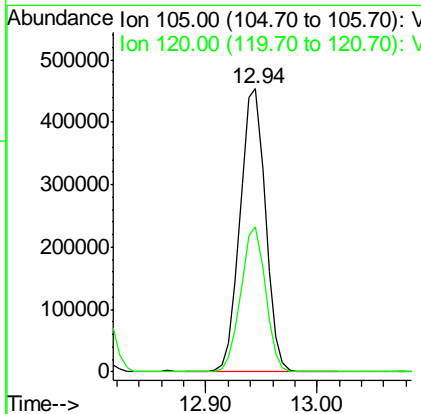
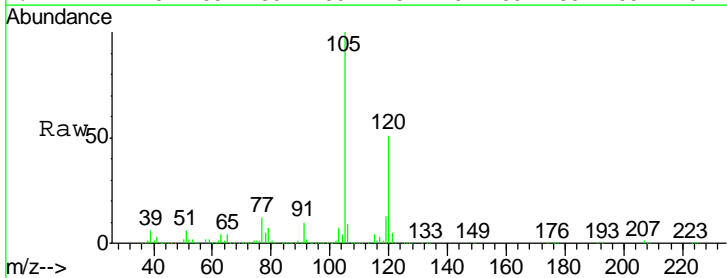
Manual Integrations
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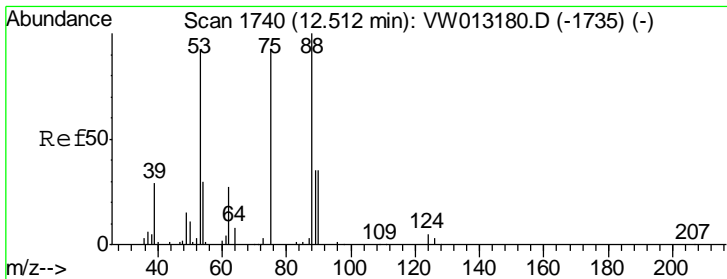
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#80
 1,3,5-Trimethylbenzene
 Concen: 55.475 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.9	24.9	74.8





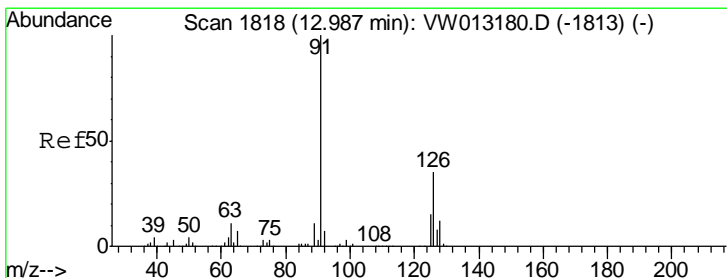
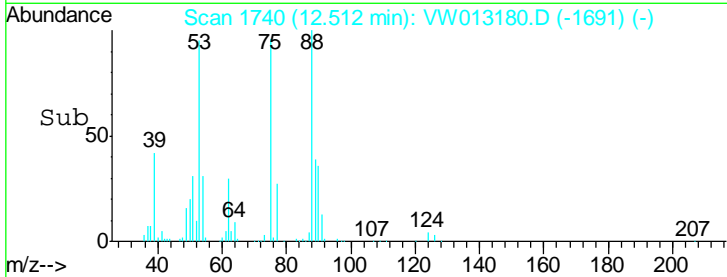
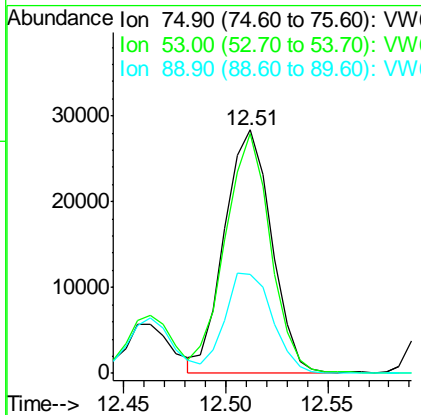
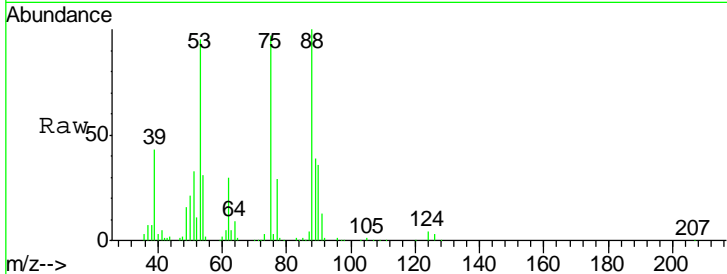
#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.663 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	45100		
75	100		
53	95.7	76.6	114.8
89	41.9	33.5	50.3

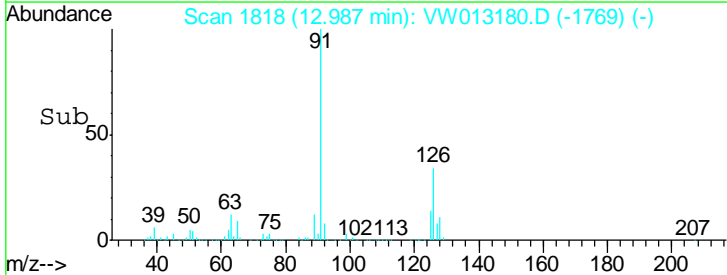
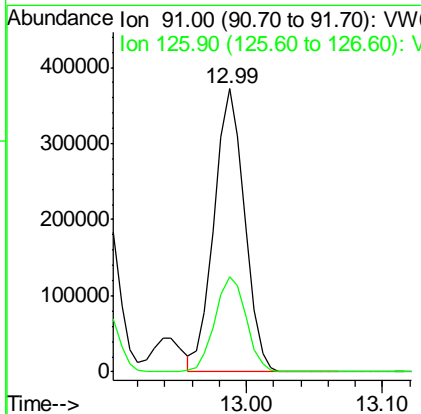
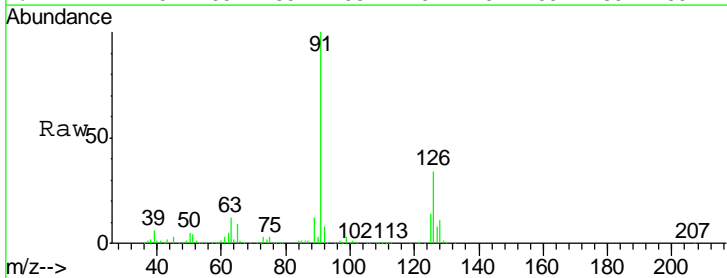
Manual Integrations
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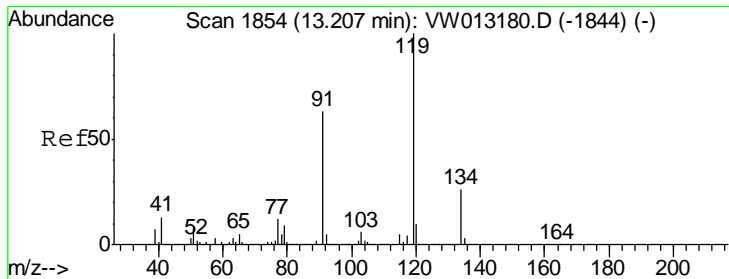
MMDadoda
 9/24/2019 5:28:45 AM



#82
 4-Chlorotoluene
 Concen: 53.567 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
91	577322		
91	100		
126	34.5	17.3	51.7





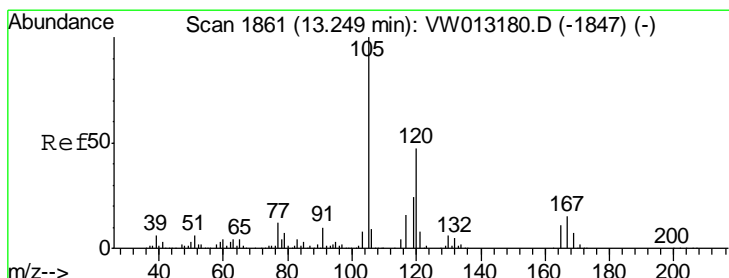
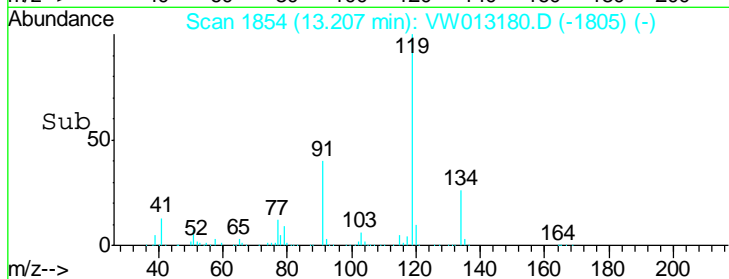
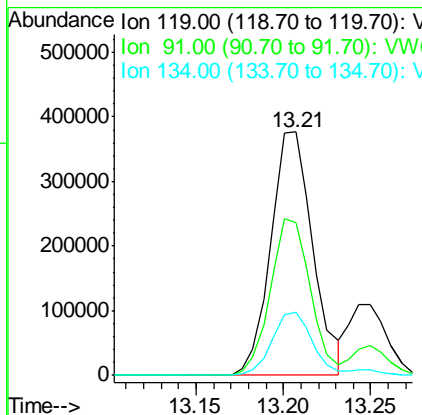
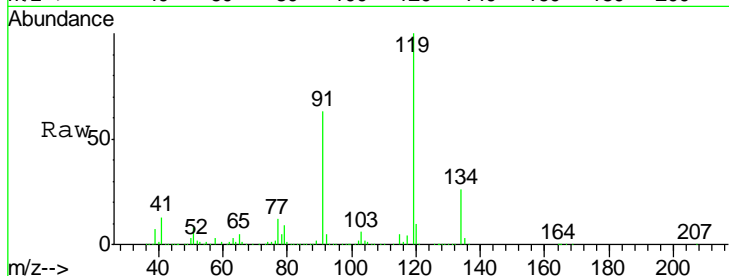
#83
 tert-Butylbenzene
 Concen: 54.968 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
119	632127		
91	61.4	30.7	92.1
134	25.1	12.6	37.6

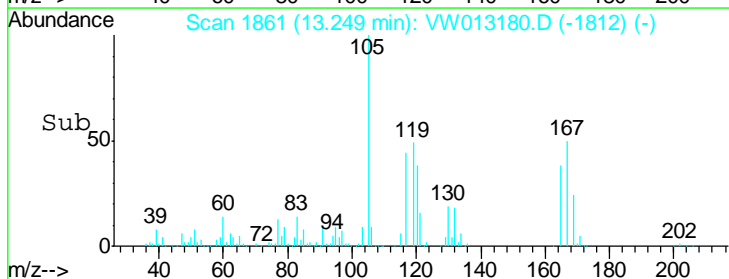
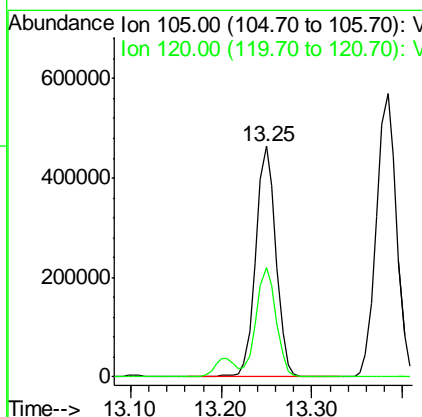
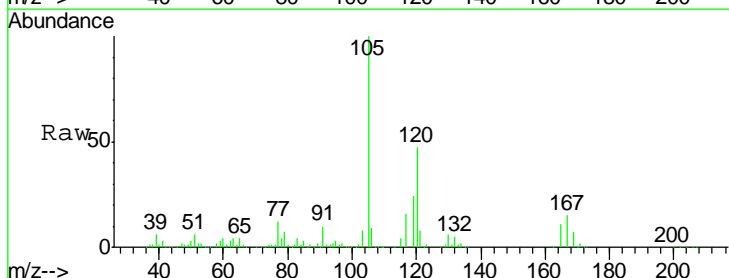
Manual Integrations
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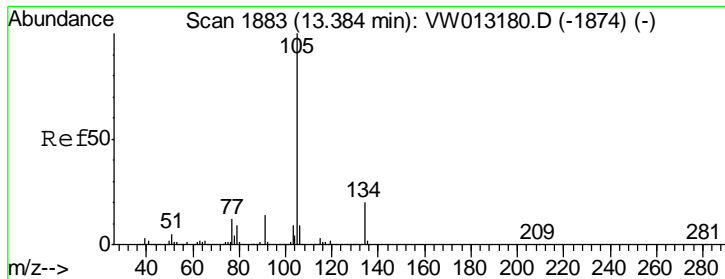
MMDadoda
 9/24/2019 5:28:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.896 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
105	713029		
120	46.9	23.4	70.3





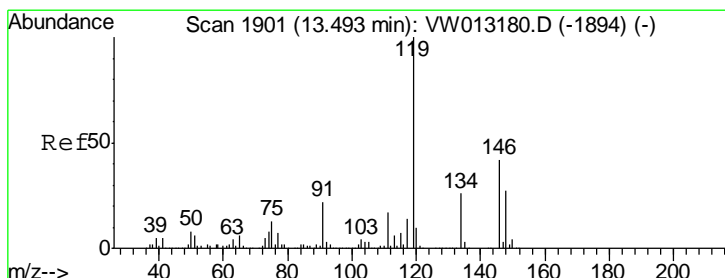
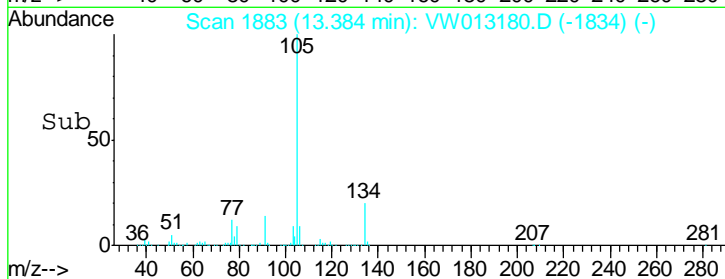
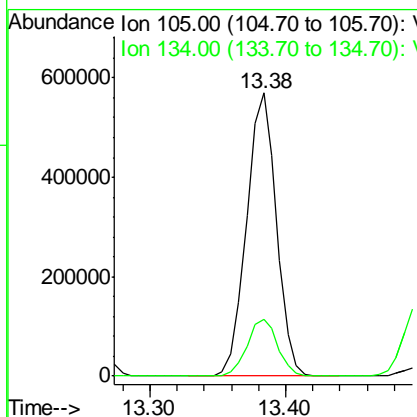
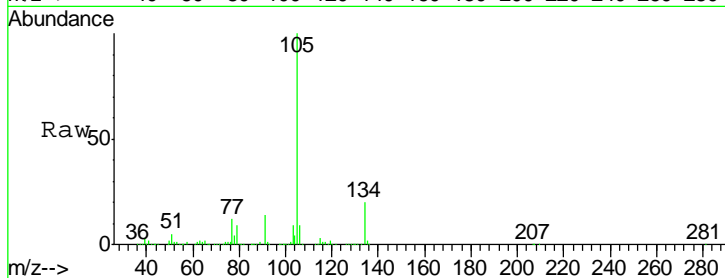
#85
 sec-Butylbenzene
 Concen: 55.689 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.5	10.3	30.8

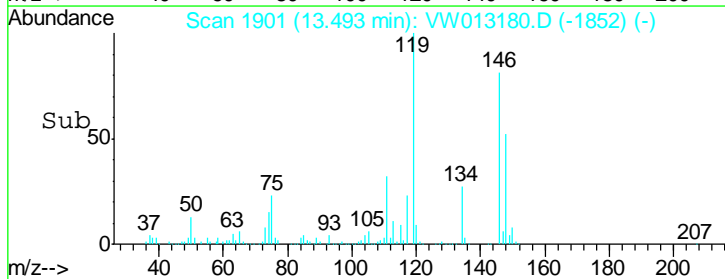
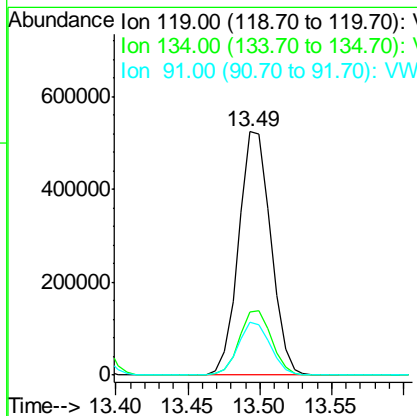
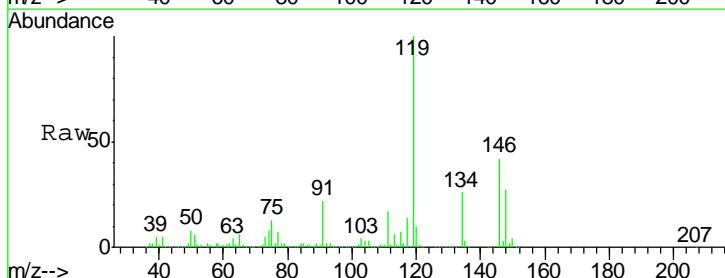
Manual Integrations
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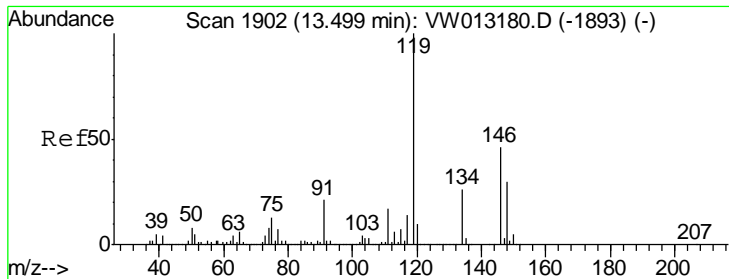
MMDadoda
 9/24/2019 5:28:45 AM



#86
 p-Isopropyltoluene
 Concen: 56.100 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	21.6	10.8	32.4





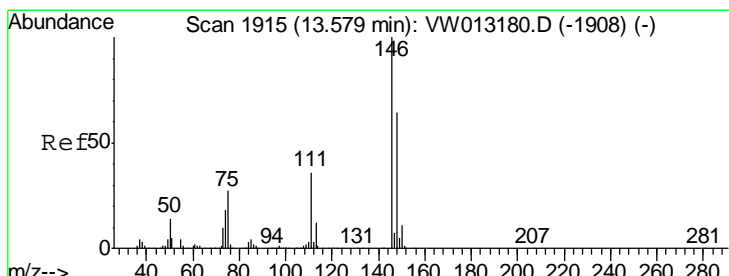
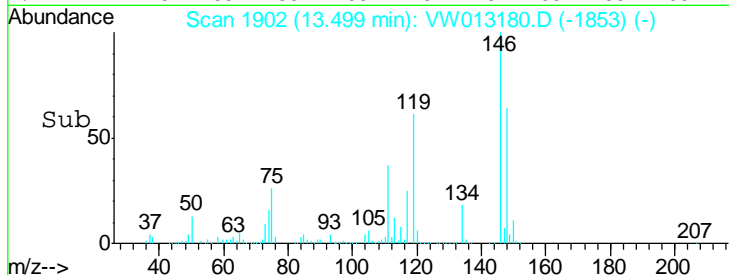
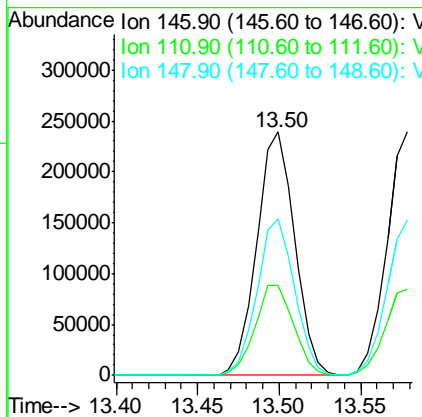
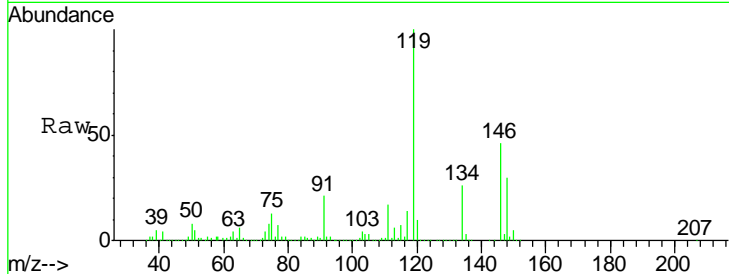
#87
 1,3-Dichlorobenzene
 Concen: 55.075 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.7	31.9	95.5

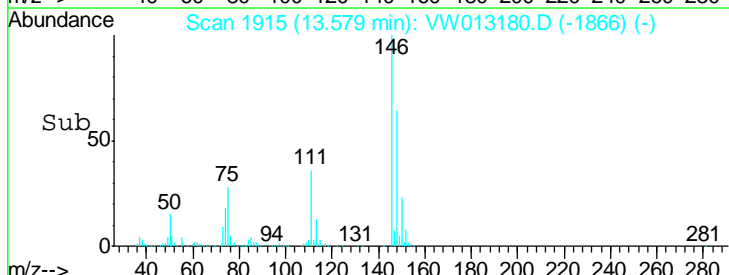
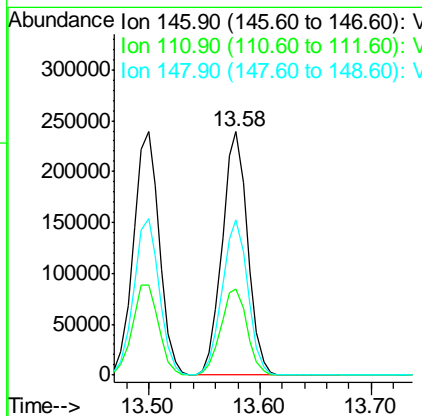
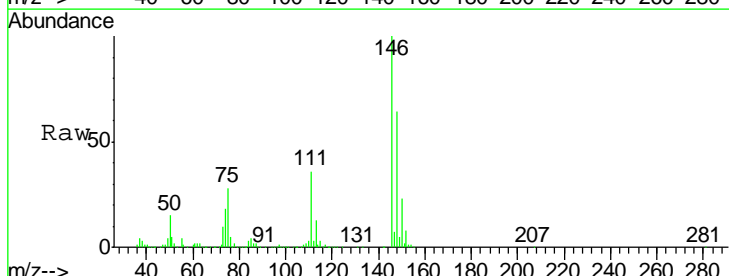
Manual Integrations
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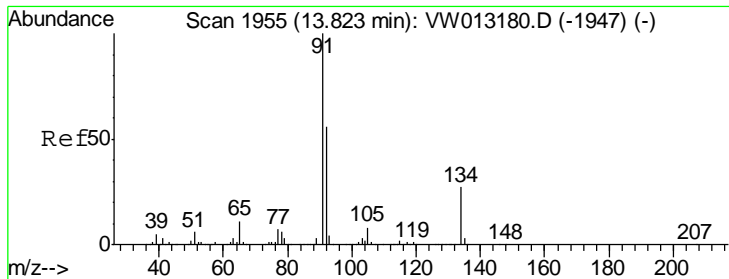
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#88
 1,4-Dichlorobenzene
 Concen: 55.226 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	64.2	32.1	96.3





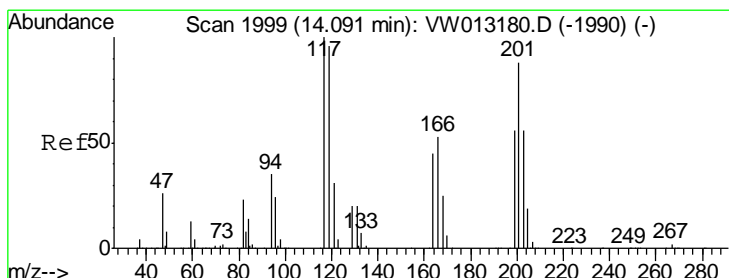
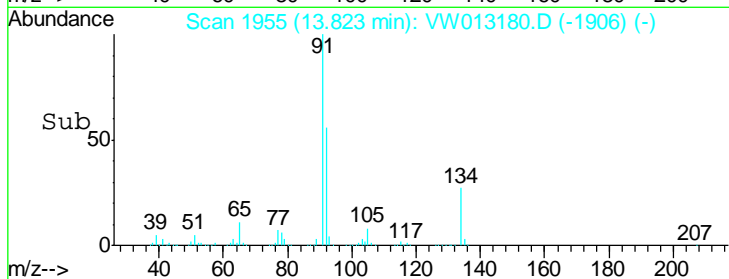
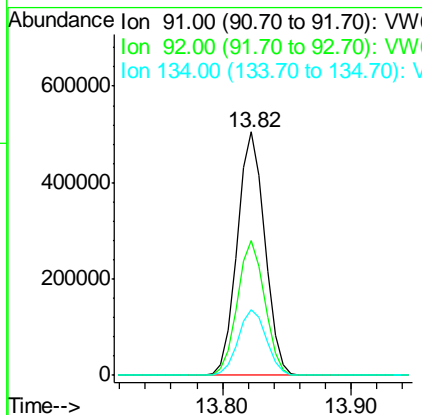
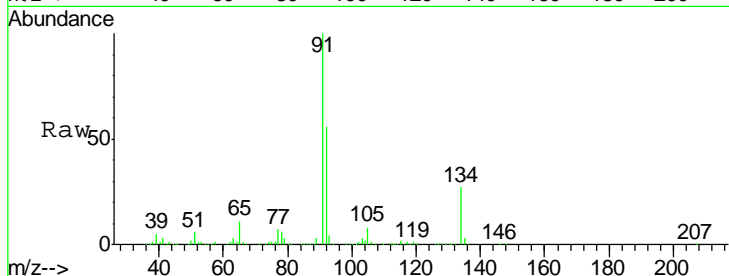
#89
 n-Butylbenzene
 Concen: 55.093 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.2	27.6	82.8
134	27.4	13.7	41.1

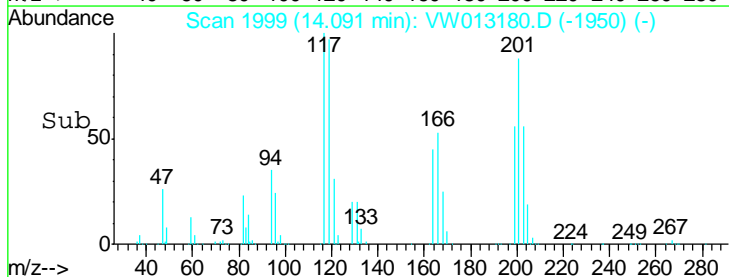
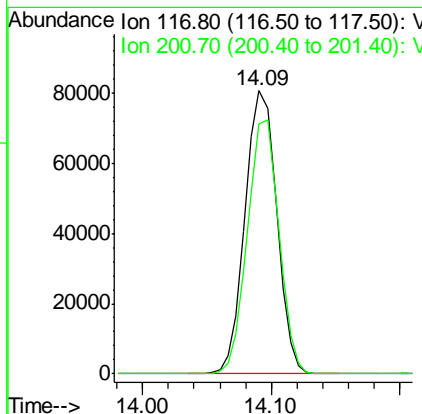
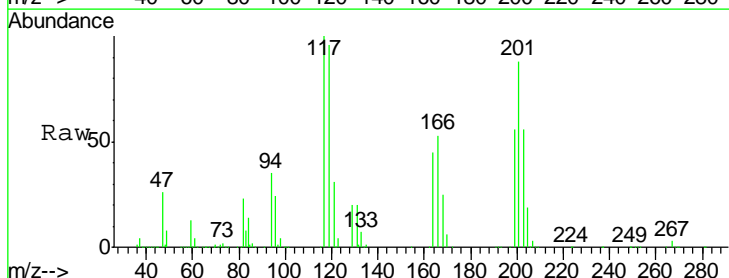
Manual Integrations
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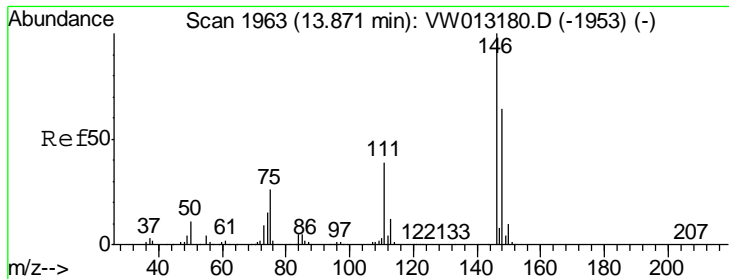
MMDadoda
 9/24/2019 5:28:45 AM



#90
 Hexachloroethane
 Concen: 53.365 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
117	100		
201	89.0	44.5	133.5





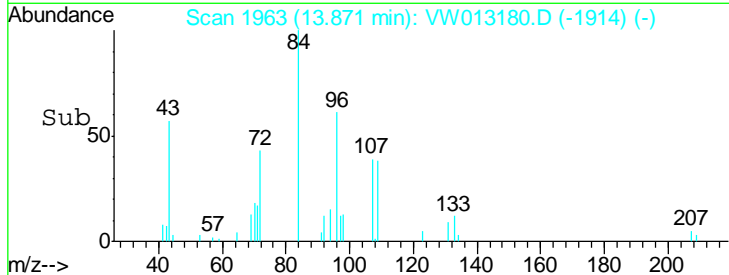
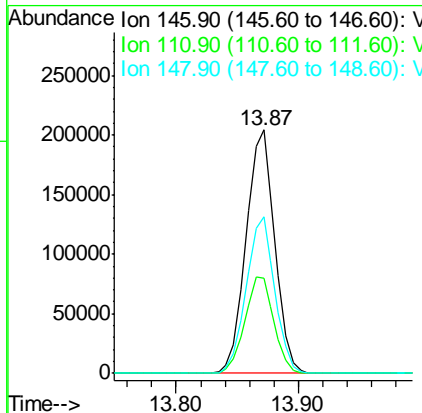
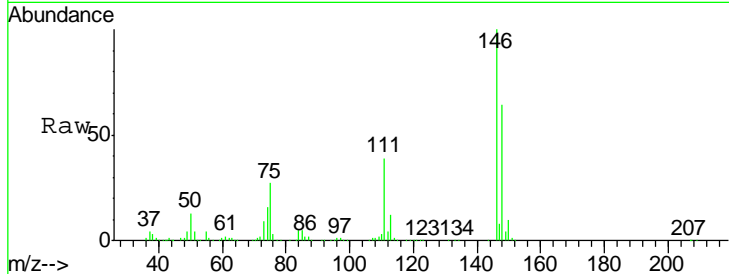
#91
 1,2-Dichlorobenzene
 Concen: 54.408 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	332872		
111	40.2	20.1	60.3
148	64.0	32.0	96.0

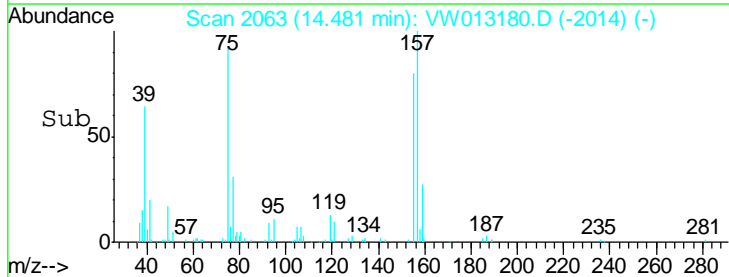
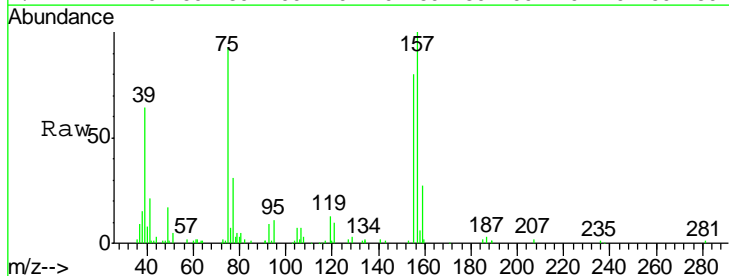
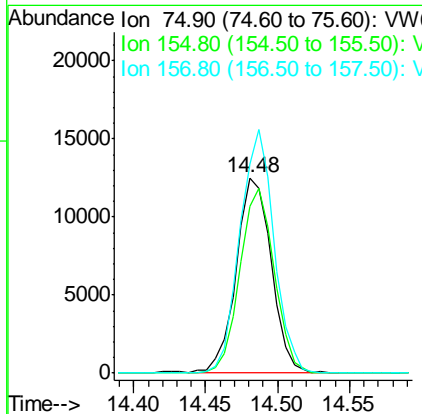
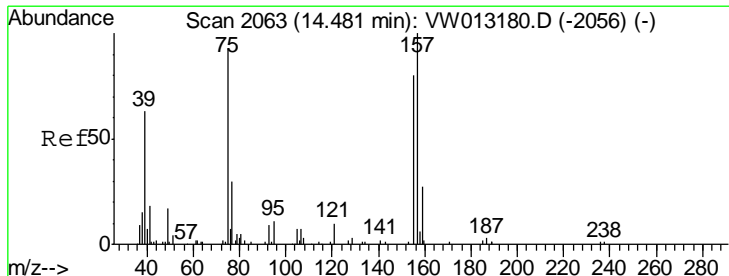
Manual Integrations
 APPROVED

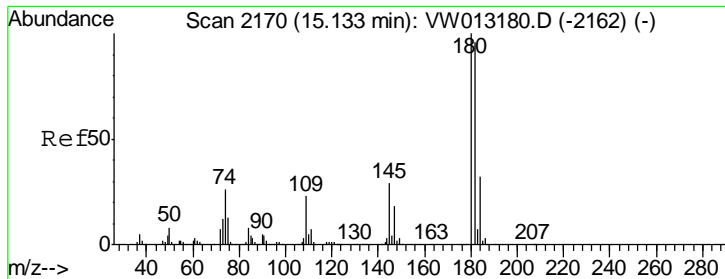
MMDadoda
 9/24/2019 5:28:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.684 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

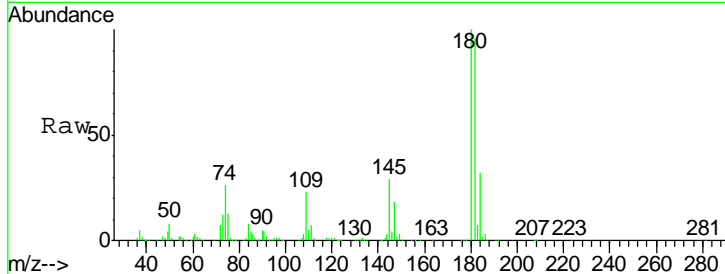
Tgt Ion	Resp	Lower	Upper
75	21184		
155	92.2	46.1	138.3
157	120.8	60.4	181.2





#93
 1,2,4-Trichlorobenzene
 Concen: 55.872 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

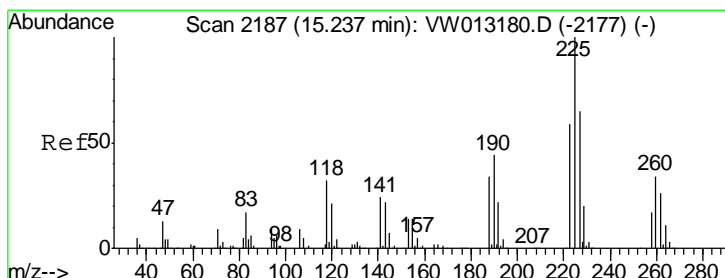
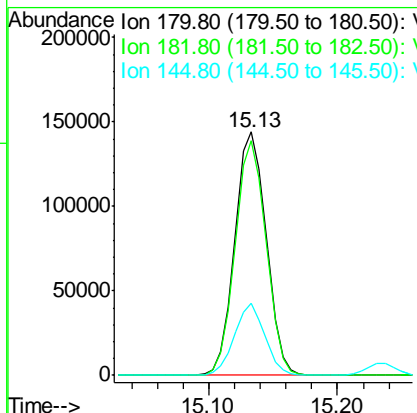
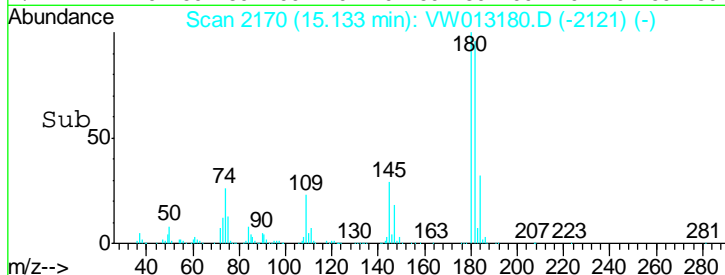
Instrument : MSVOA_W
 Client Sampled : VSTDICCC050



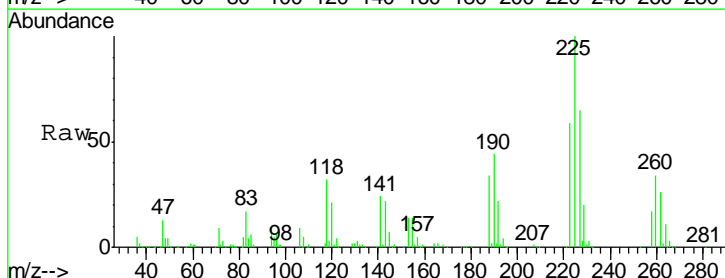
Tgt Ion	Resp	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	28.5	14.2	42.8

Manual Integrations
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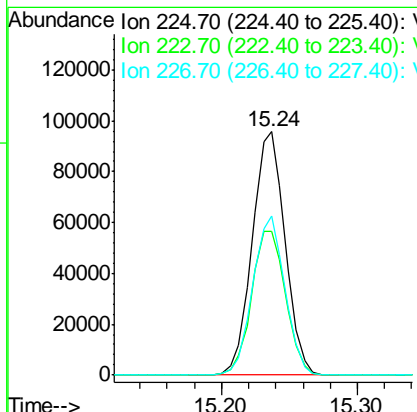
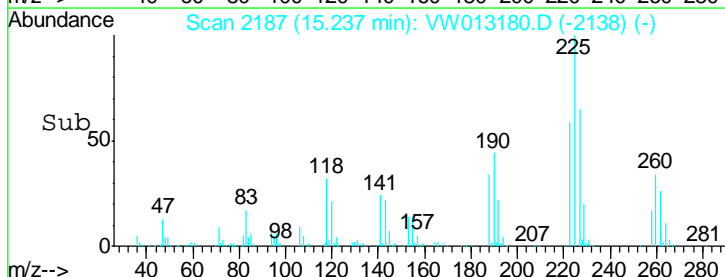
MMDadoda
 9/24/2019 5:28:45 AM

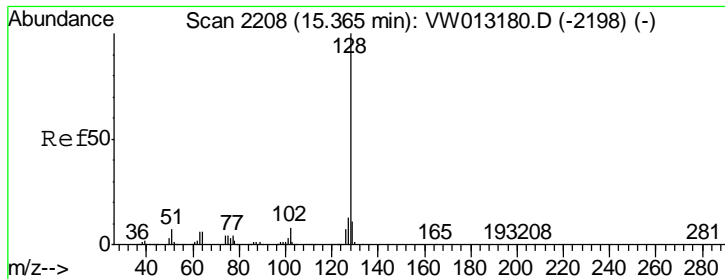


#94
 Hexachlorobutadiene
 Concen: 52.677 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01



Tgt Ion	Resp	Lower	Upper
225	100		
223	61.2	30.6	91.8
227	63.9	31.9	95.9





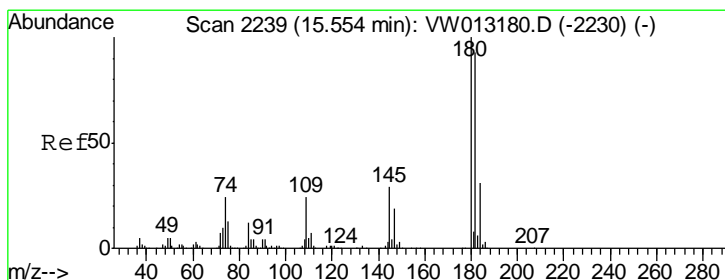
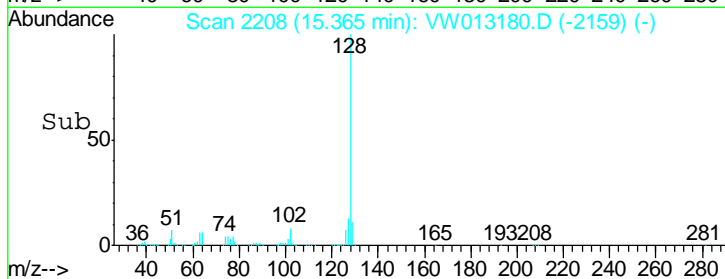
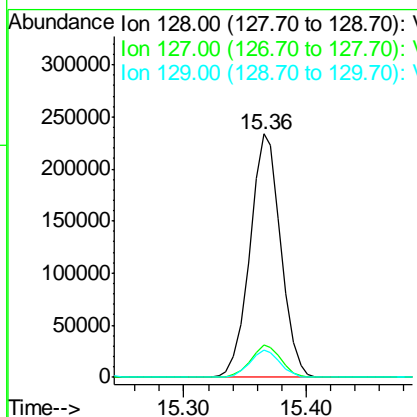
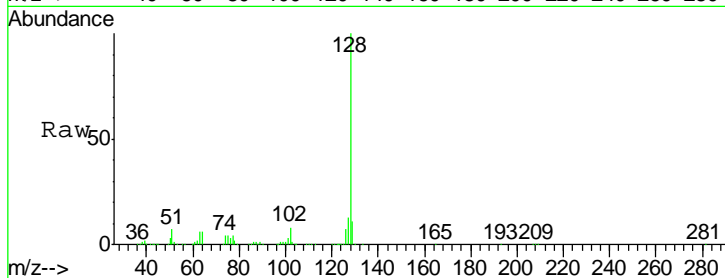
#95
 Naphthalene
 Concen: 56.423 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1

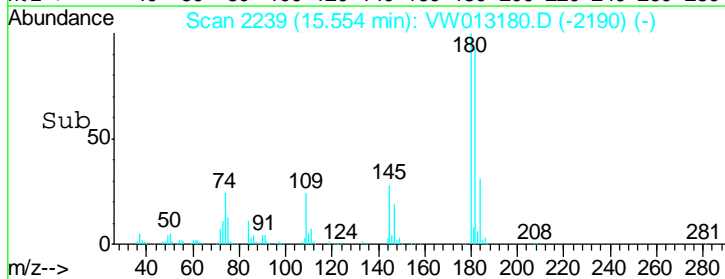
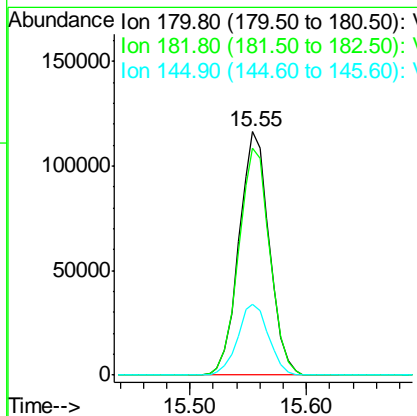
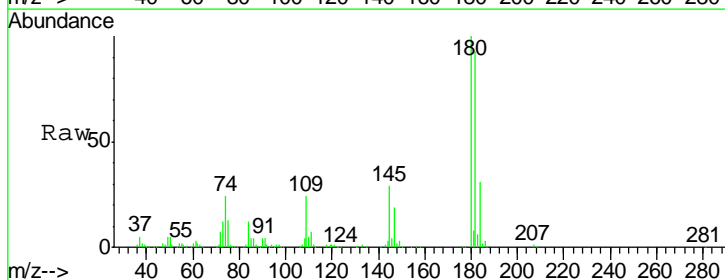
Manual Integrations
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MMDadoda
 9/24/2019 5:28:45 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 54.482 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	30.0	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	457092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	291216	89.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.32%	
35) Dibromofluoromethane	7.88	113	287802	101.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.66%	
50) Toluene-d8	10.32	98	1205184	108.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.28%	
62) 4-Bromofluorobenzene	12.62	95	413902	103.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.42%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	211292	128.595	ug/l	96
3) Chloromethane	2.21	50	245330	117.163	ug/l	99
4) Vinyl Chloride	2.36	62	336864	123.088	ug/l	98
5) Bromomethane	2.77	94	210918	124.220	ug/l	93
6) Chloroethane	2.92	64	200781	120.246	ug/l	98
7) Trichlorofluoromethane	3.25	101	211076	114.957	ug/l	97
8) Diethyl Ether	3.68	74	170342	116.082	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	320062	112.794	ug/l	99
10) Methyl Iodide	4.27	142	505510	136.251	ug/l	100
11) Tert butyl alcohol	5.20	59	103368m	406.615	ug/l	
12) 1,1-Dichloroethene	4.04	96	336539	127.236	ug/l	99
13) Acrolein	3.89	56	90672	393.783	ug/l	100
14) Allyl chloride	4.67	41	543065	111.968	ug/l	100
15) Acrylonitrile	5.37	53	374872	518.884	ug/l	99
16) Acetone	4.12	43	335757	436.513	ug/l	97
17) Carbon Disulfide	4.38	76	1005829	172.722	ug/l	99
18) Methyl Acetate	4.67	43	183747	96.733	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	515614	103.943	ug/l	100
20) Methylene Chloride	4.92	84	342154	105.000	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	364361	128.223	ug/l	97
22) Diisopropyl ether	6.31	45	1032354	104.060	ug/l	99
23) Vinyl Acetate	6.25	43	3167936	537.024	ug/l	99
24) 1,1-Dichloroethane	6.21	63	611798	105.871	ug/l	99
25) 2-Butanone	7.17	43	494375	473.589	ug/l	97
26) 2,2-Dichloropropane	7.16	77	366908	90.961	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	387221	116.432	ug/l	99
28) Bromochloromethane	7.51	49	250393	103.435	ug/l	# 98
29) Tetrahydrofuran	7.53	42	318534	528.415	ug/l	99
30) Chloroform	7.67	83	590142	101.695	ug/l	98
31) Cyclohexane	7.95	56	614803	119.809	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	483814	101.075	ug/l	100
36) 1,1-Dichloropropene	8.08	75	503795	116.887	ug/l	98
37) Ethyl Acetate	7.25	43	220718	100.656	ug/l	99
38) Carbon Tetrachloride	8.07	117	461746	106.880	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDICC100

Manual Integrations
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MMDadoda
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	660742	134.480	ug/l	99
40) Benzene	8.32	78	1416864	117.750	ug/l	99
41) Methacrylonitrile	7.48	41	135270	94.673	ug/l	99
42) 1,2-Dichloroethane	8.40	62	379740	97.899	ug/l	100
43) Isopropyl Acetate	8.42	43	429522	102.340	ug/l	99
44) Trichloroethene	9.09	130	394547	118.902	ug/l	98
45) 1,2-Dichloropropane	9.37	63	347299	110.653	ug/l	98
46) Dibromomethane	9.46	93	170461	113.087	ug/l	99
47) Bromodichloromethane	9.64	83	441235	106.167	ug/l	97
48) Methyl methacrylate	9.43	41	220070	111.479	ug/l	94
49) 1,4-Dioxane	9.46	88	51070	2114.995	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	1083790	502.276	ug/l	100
52) Toluene	10.38	92	914038	119.427	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	472467	112.425	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	564732	116.389	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	254463	111.189	ug/l	98
56) Ethyl methacrylate	10.65	69	357002	116.582	ug/l	99
57) 1,3-Dichloropropane	10.93	76	441021	108.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	803707	496.115	ug/l	100
59) 2-Hexanone	10.97	43	760254	508.676	ug/l	100
60) Dibromochloromethane	11.13	129	301790	110.407	ug/l	100
61) 1,2-Dibromoethane	11.24	107	243454	116.245	ug/l	99
64) Tetrachloroethene	10.86	164	343861	121.052	ug/l	96
65) Chlorobenzene	11.66	112	952747	114.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	338387	107.917	ug/l	99
67) Ethyl Benzene	11.73	91	1745841	113.632	ug/l	99
68) m/p-Xylenes	11.84	106	1329230	234.773	ug/l	100
69) o-Xylene	12.16	106	620290	117.192	ug/l	98
70) Styrene	12.18	104	1073044	114.400	ug/l	99
71) Bromoform	12.35	173	181859	111.009	ug/l #	100
73) Isopropylbenzene	12.46	105	1713236	112.131	ug/l	100
74) N-amyl acetate	12.27	43	398444	104.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	282814	107.086	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	184657m	93.291	ug/l	
77) Bromobenzene	12.74	156	401456	112.784	ug/l	98
78) n-propylbenzene	12.80	91	2002805	111.510	ug/l	100
79) 2-Chlorotoluene	12.89	91	1112397	108.108	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1435571	110.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	99829	114.127	ug/l	95
82) 4-Chlorotoluene	12.99	91	1166490	108.017	ug/l	100
83) tert-Butylbenzene	13.21	119	1250377	108.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1410432	110.346	ug/l	99
85) sec-Butylbenzene	13.38	105	1720034	109.222	ug/l	99
86) p-Isopropyltoluene	13.50	119	1590959	109.870	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	768489	109.954	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	755101	110.204	ug/l	99
89) n-Butylbenzene	13.82	91	1479658	108.928	ug/l	100
90) Hexachloroethane	14.09	117	280988	109.143	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	667208	108.837	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44338	93.336	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	502586	114.728	ug/l	99
94) Hexachlorobutadiene	15.24	225	316706	102.642	ug/l	100
95) Naphthalene	15.36	128	864609	119.052	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	435087	112.728	ug/l	100

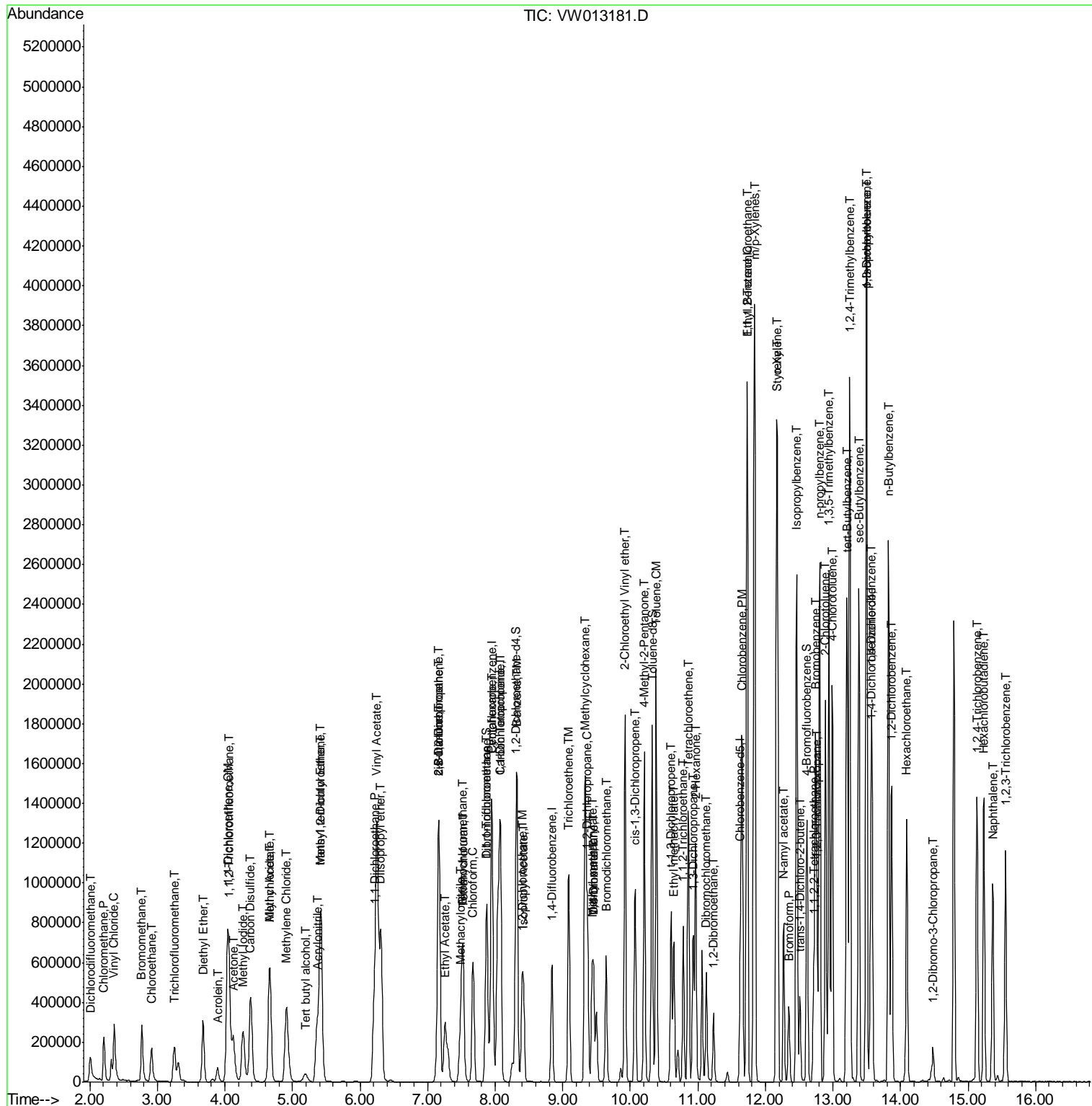
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

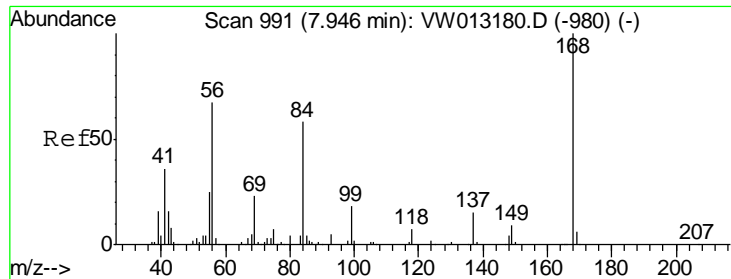
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC100

Manual Integrations
 APPROVED
 MMDadoda
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration



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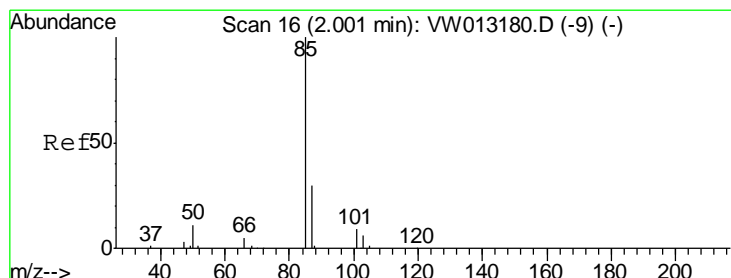
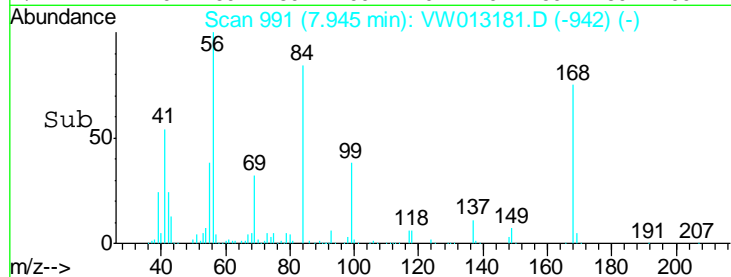
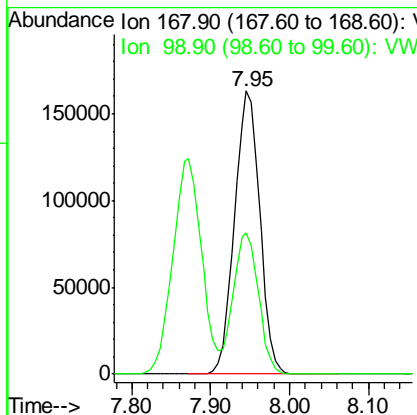
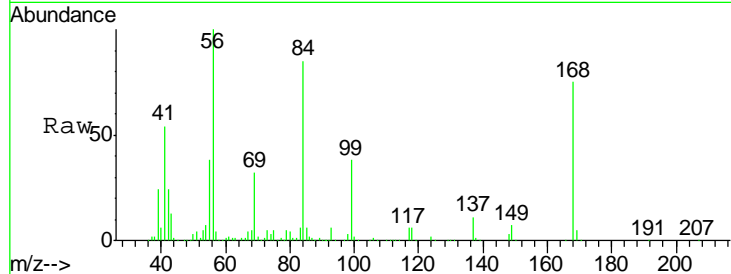
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.0	40.2	60.4

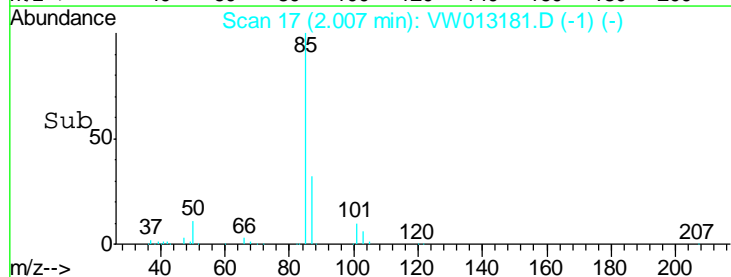
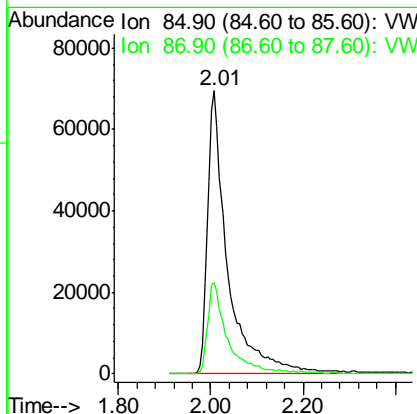
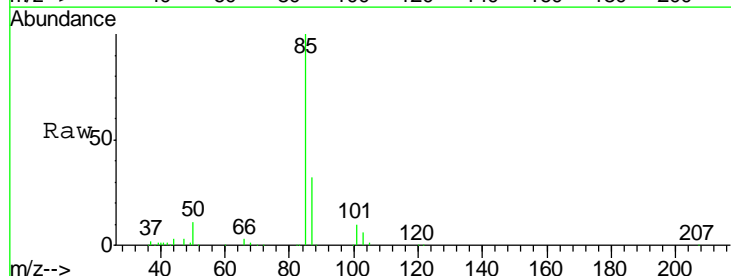
Manual Integrations
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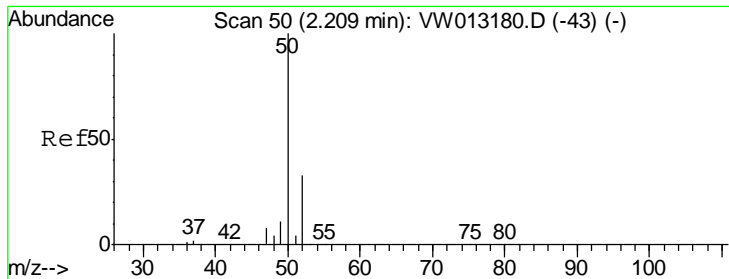
MMDadoda
 9/24/2019 5:28:48 AM



#2
 Dichlorodifluoromethane
 Concen: 128.595 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.4	15.1	45.3



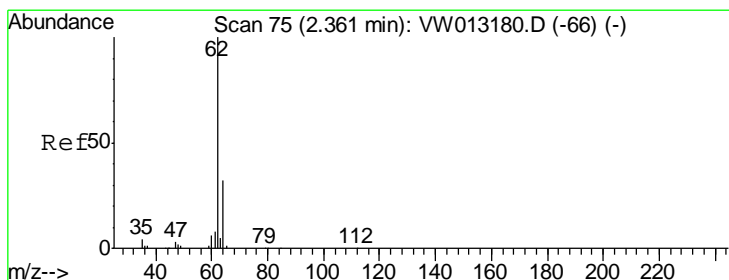
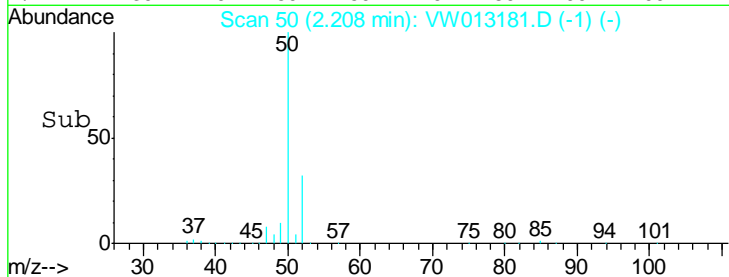
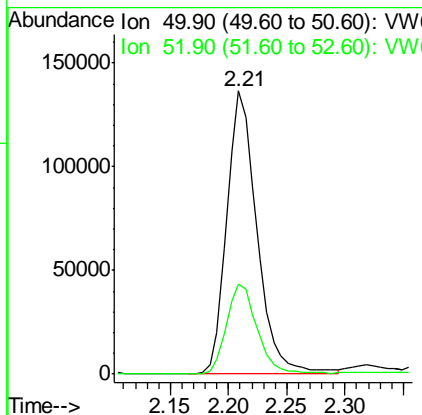
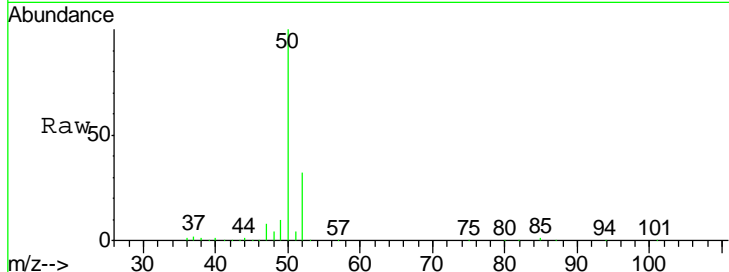


#3
 Chloromethane
 Concen: 117.163 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.0	26.1	39.1

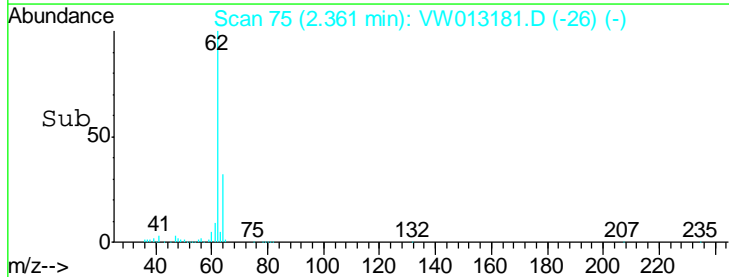
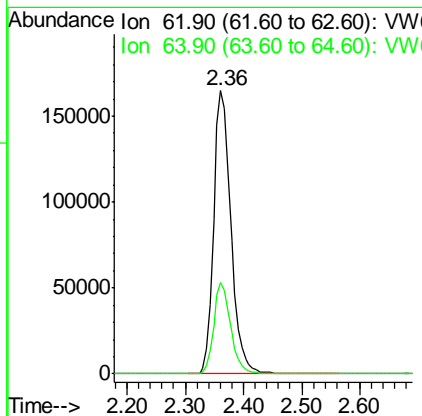
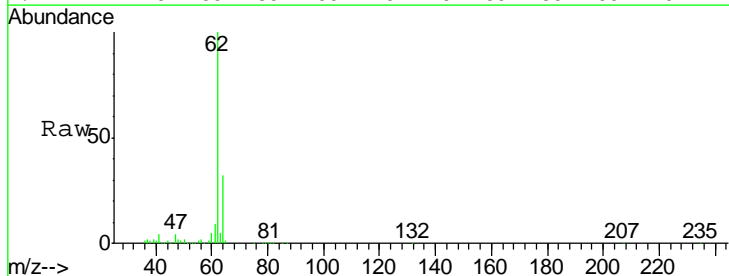
Instrument : MSVOA_W
 ClientSampled : VSTDIC100

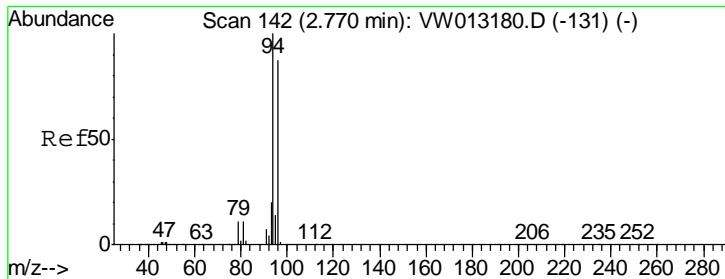
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:28:48 AM



#4
 Vinyl Chloride
 Concen: 123.088 ug/l
 RT: 2.36 min Scan# 75
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.5	25.3	37.9





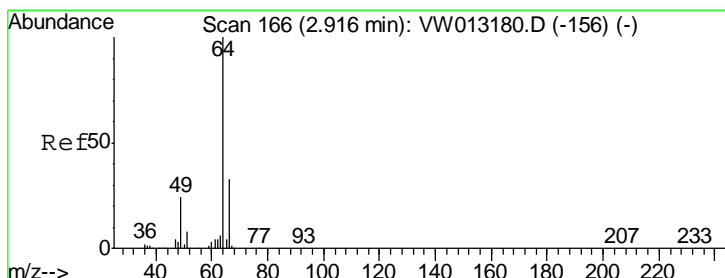
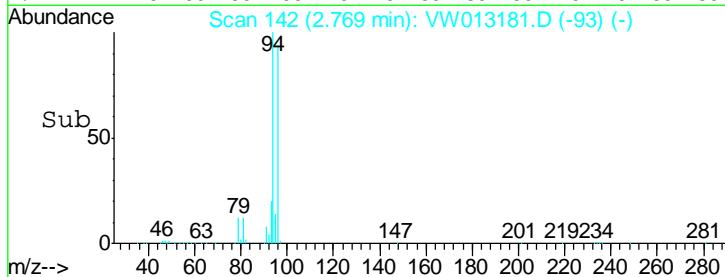
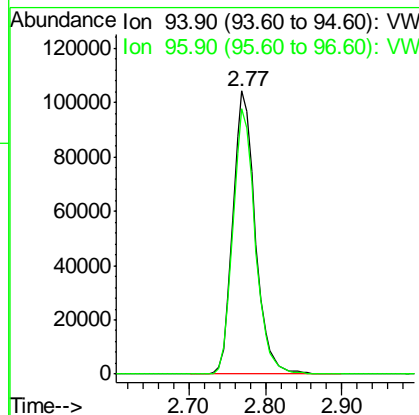
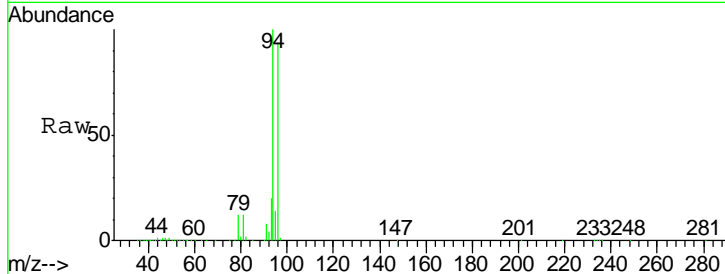
#5
 Bromomethane
 Concen: 124.220 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.6	69.7	104.5

Instrument : MSVOA_W
 ClientSampleId : VSTDIC100

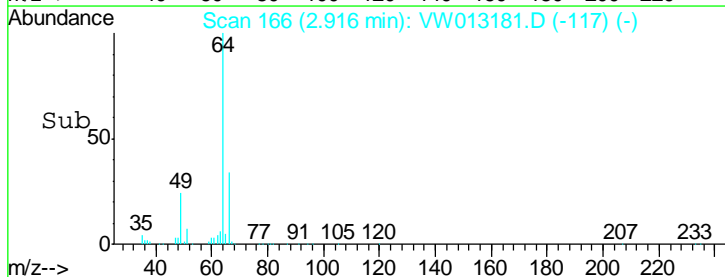
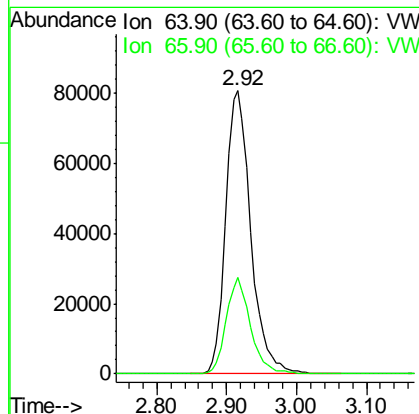
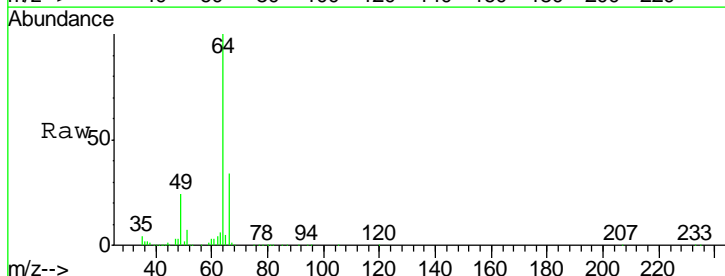
Manual Integrations
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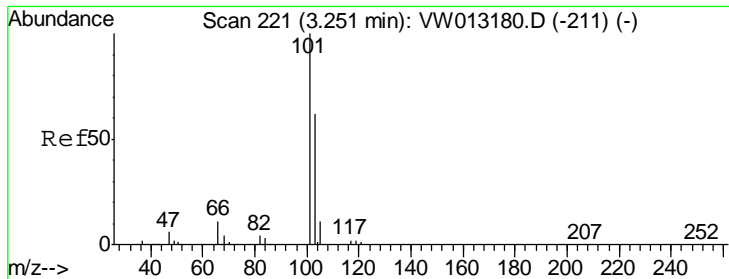
MMDadoda
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#6
 Chloroethane
 Concen: 120.246 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
64	100		
66	34.3	26.6	39.8





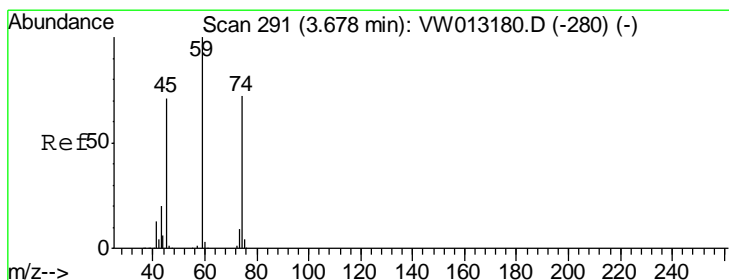
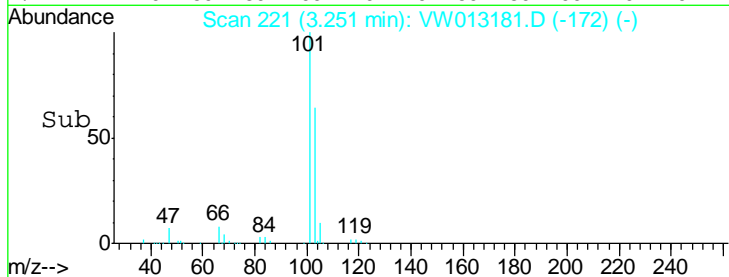
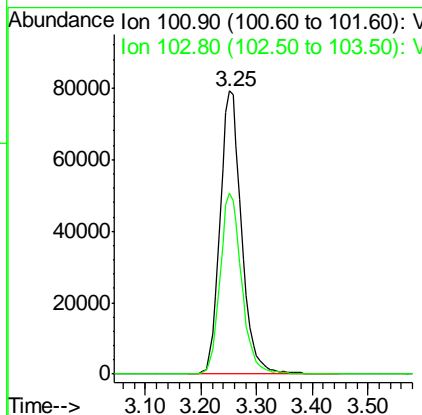
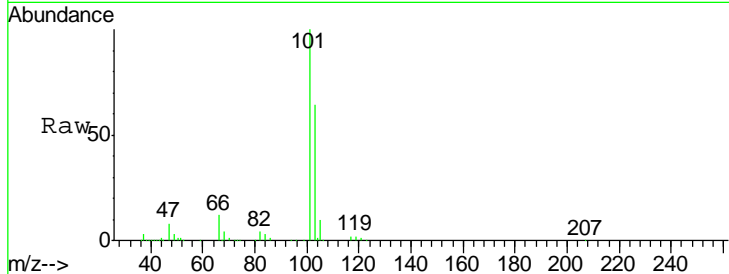
#7
 Trichlorofluoromethane
 Concen: 114.957 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	211076		
103	64.1	49.7	74.5

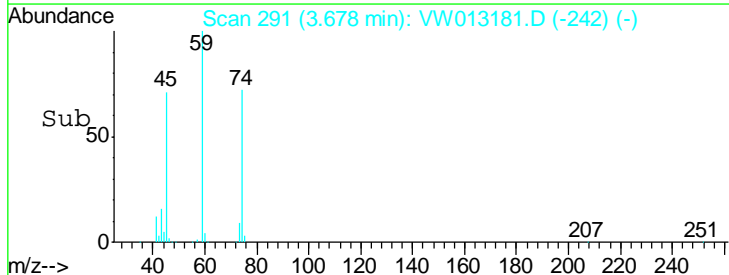
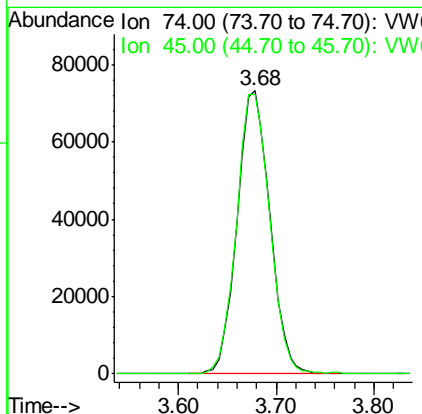
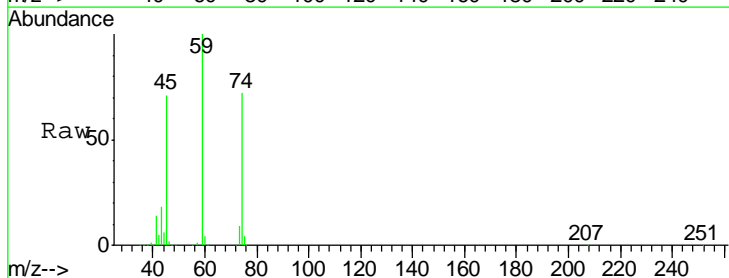
Manual Integrations
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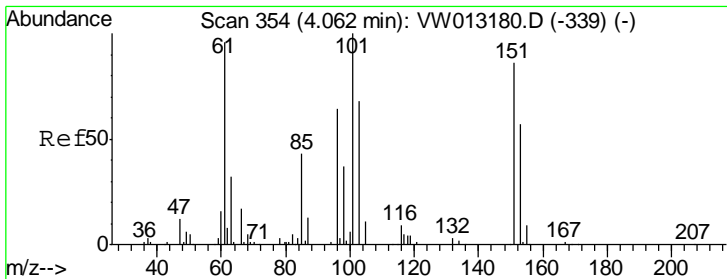
MMDadoda
 9/24/2019 5:28:48 AM



#8
 Diethyl Ether
 Concen: 116.082 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
74	170342		
45	99.7	49.5	148.7





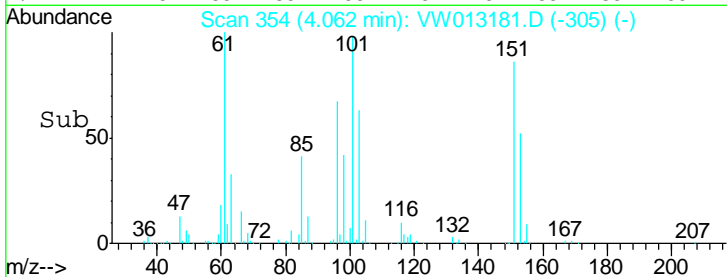
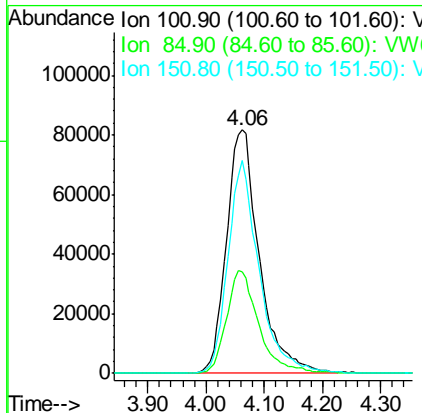
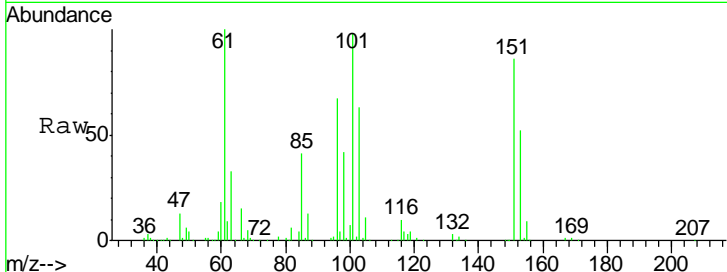
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 112.794 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	320062		
101	100		
85	41.1	33.4	50.0
151	83.1	66.9	100.3

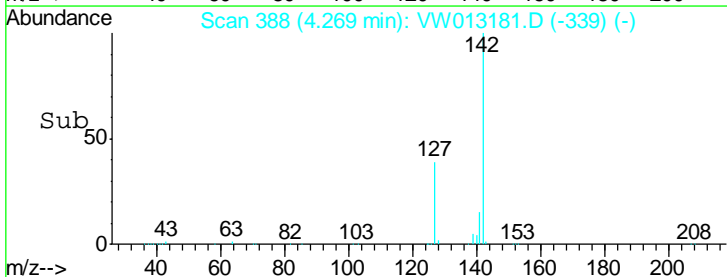
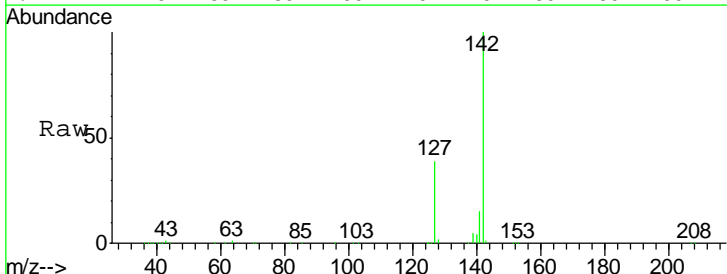
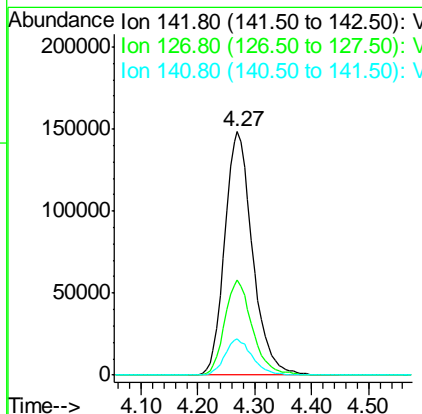
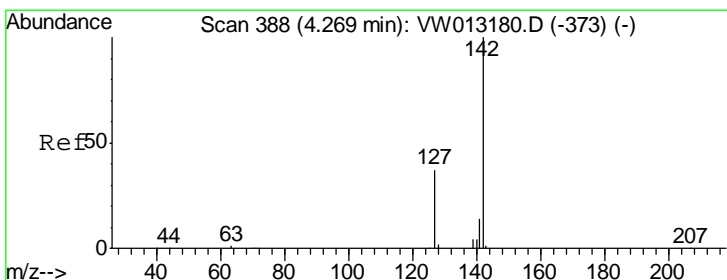
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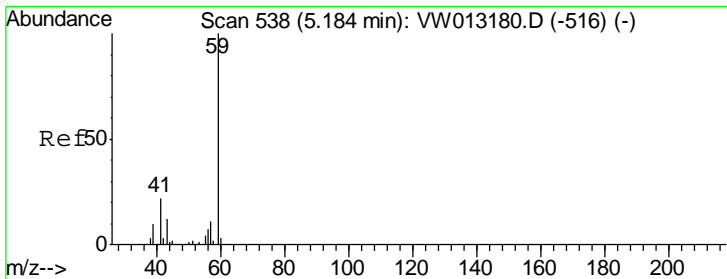
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#10
 Methyl Iodide
 Concen: 136.251 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
142	505510		
142	100		
127	38.7	30.9	46.3
141	14.7	11.7	17.5



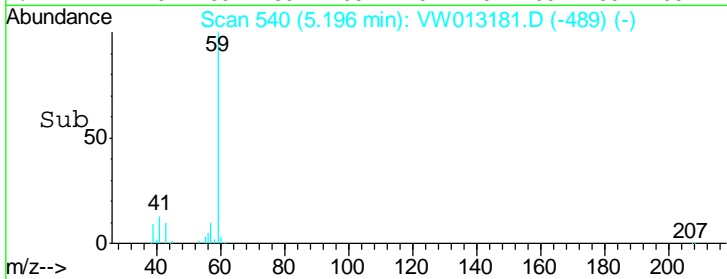
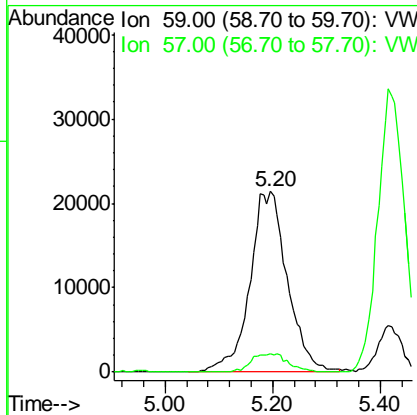
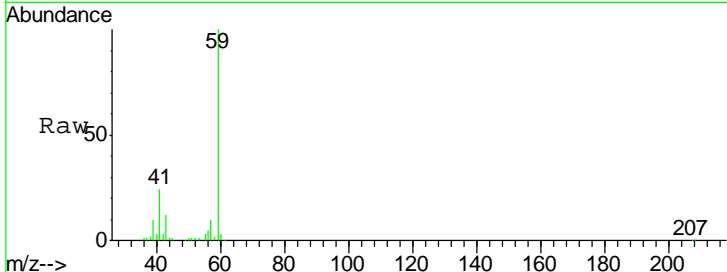


#11
 Tert butyl alcohol
 Concen: 406.615 ug/l m
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
59	103368		
57	10.1	8.2	12.2

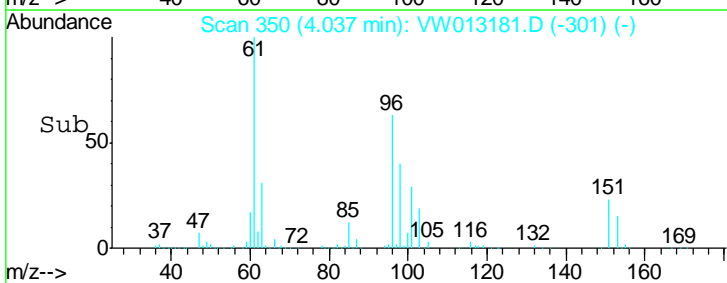
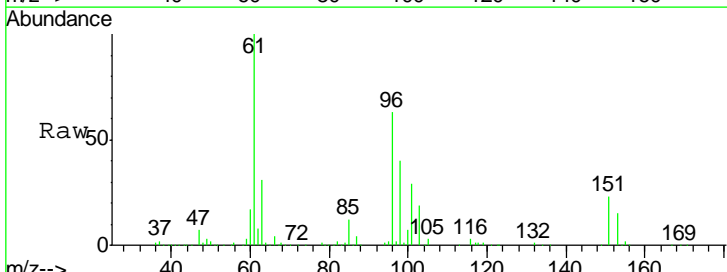
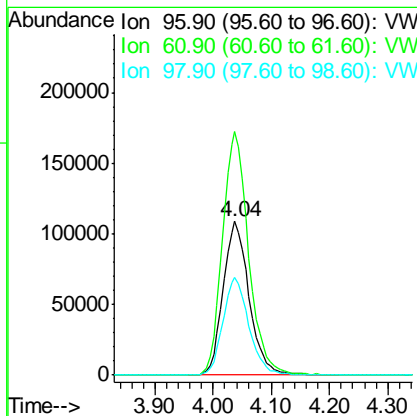
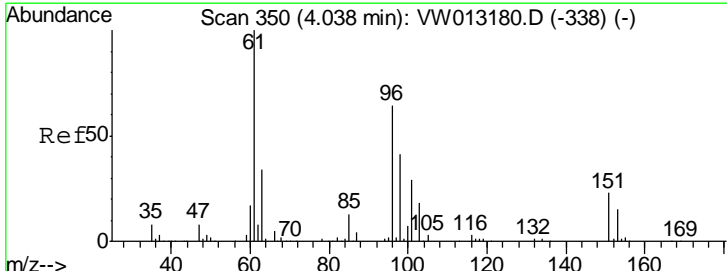
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

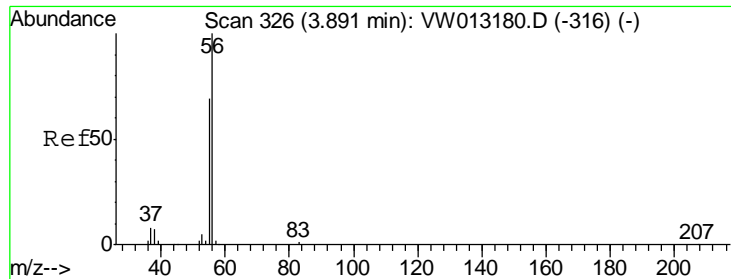
Manual Integrations
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#12
 1,1-Dichloroethene
 Concen: 127.236 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
96	336539		
61	158.5	125.1	187.7
98	63.4	50.8	76.2





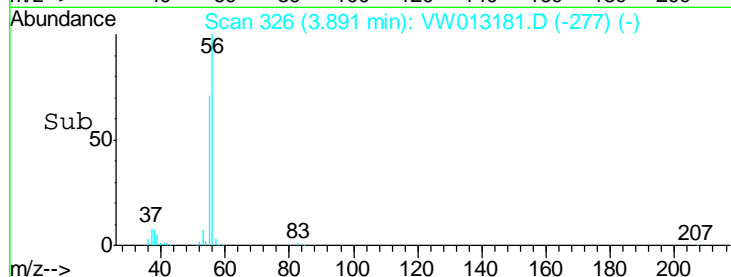
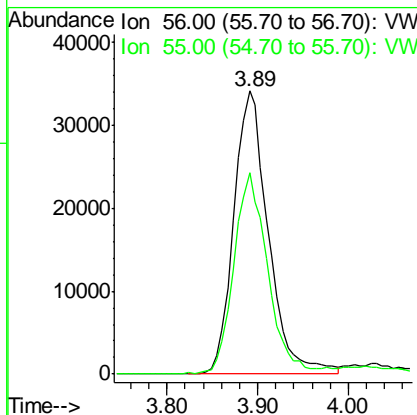
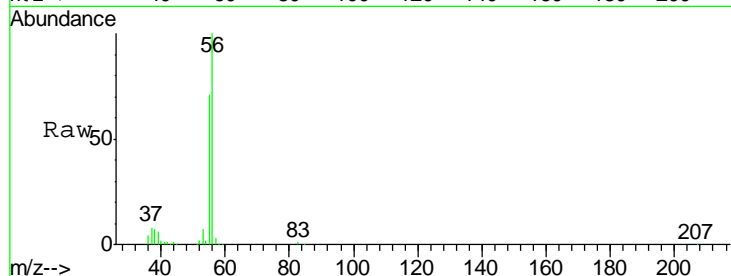
#13
 Acrolein
 Concen: 393.783 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
56	100		
55	69.5	55.4	83.0

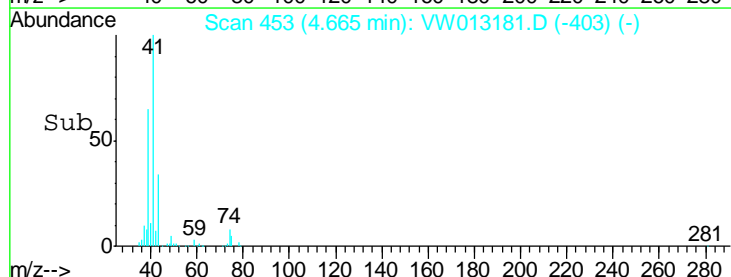
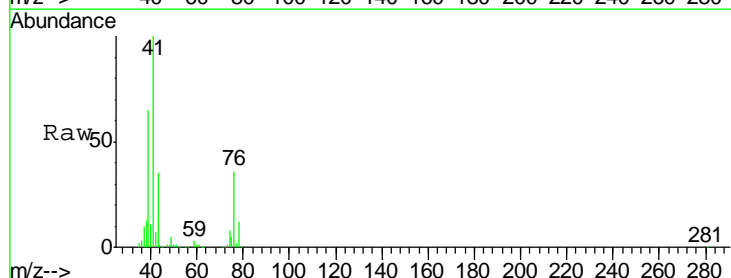
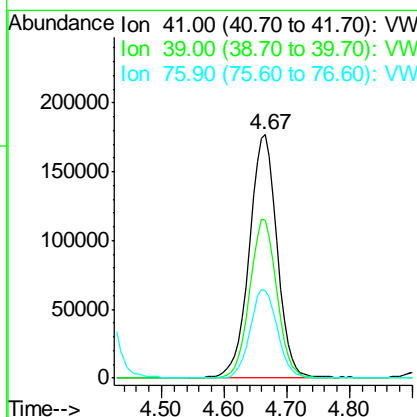
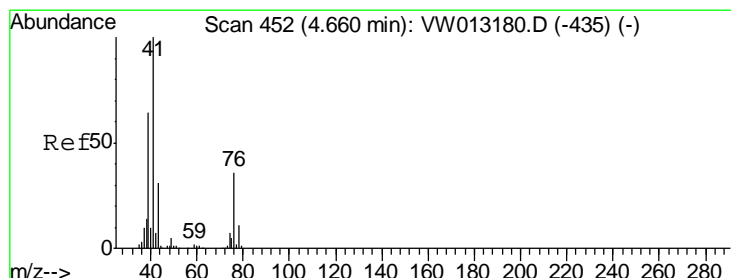
Manual Integrations
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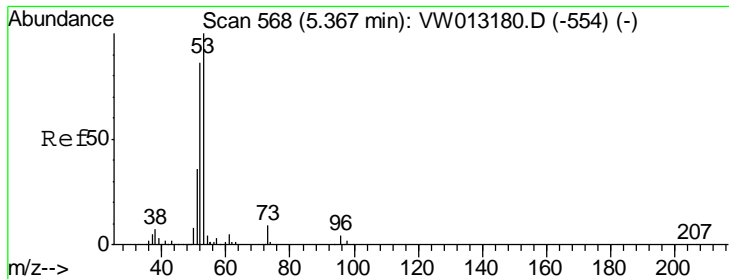
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#14
 Allyl chloride
 Concen: 111.968 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
41	100		
39	63.8	51.0	76.4
76	35.3	28.4	42.6





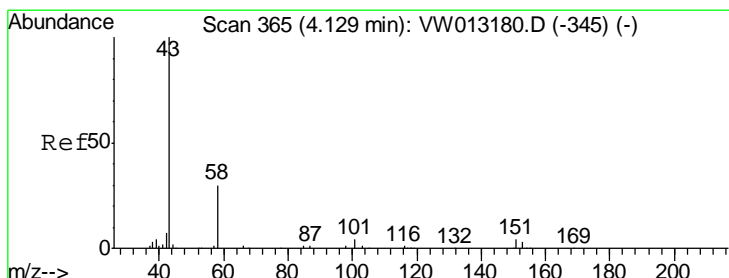
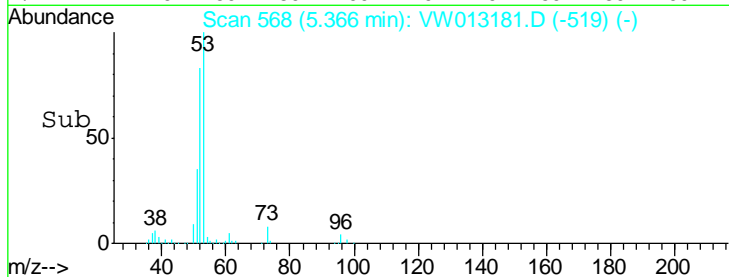
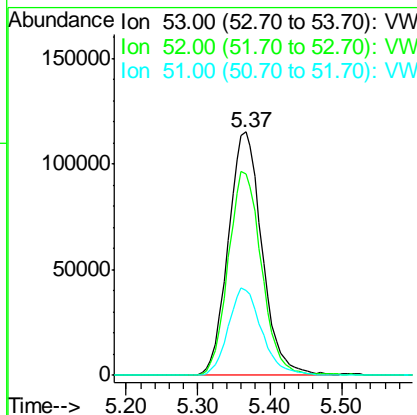
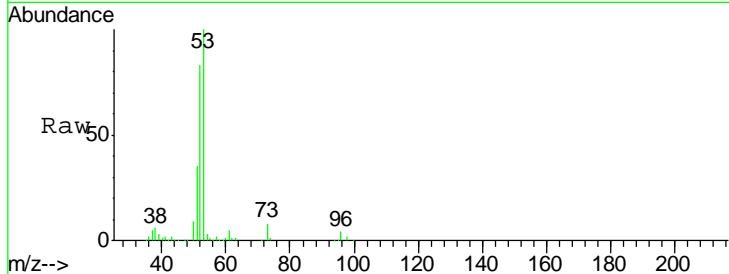
#15
 Acrylonitrile
 Concen: 518.884 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.7	65.3	97.9
51	35.7	29.0	43.4

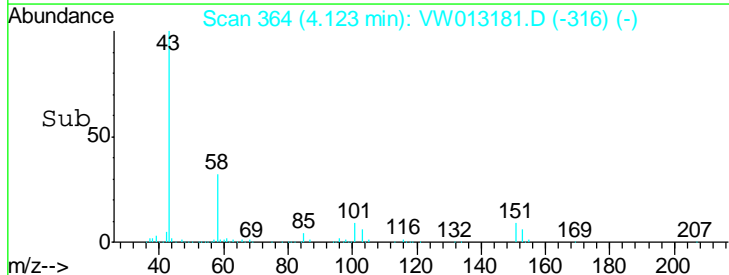
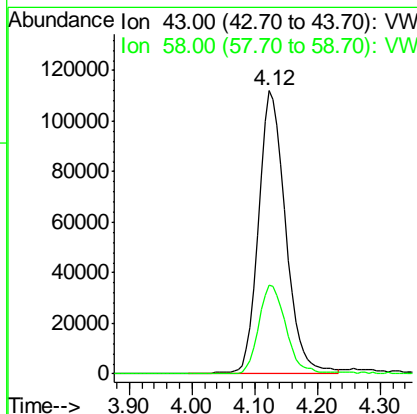
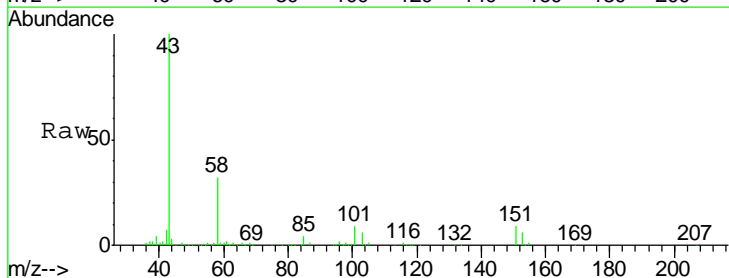
Manual Integrations
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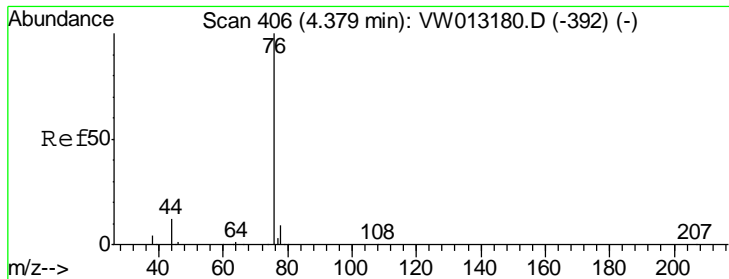
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#16
 Acetone
 Concen: 436.513 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.5	24.1	36.1





#17
 Carbon Disulfide
 Concen: 172.722 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

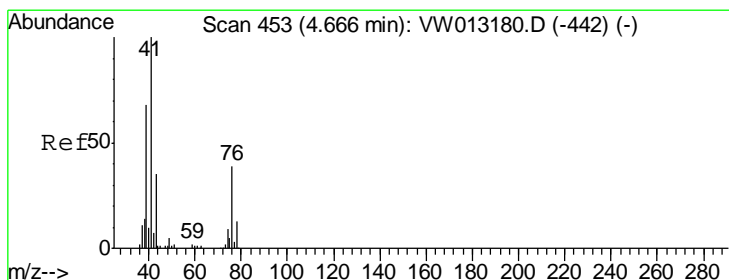
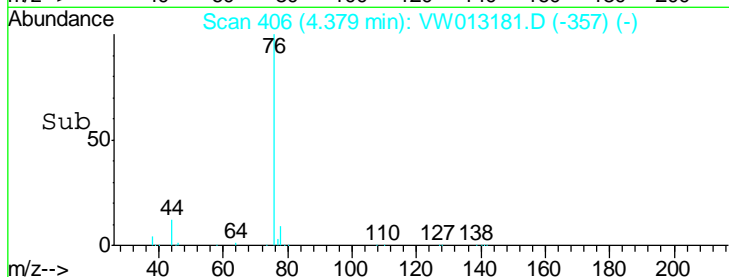
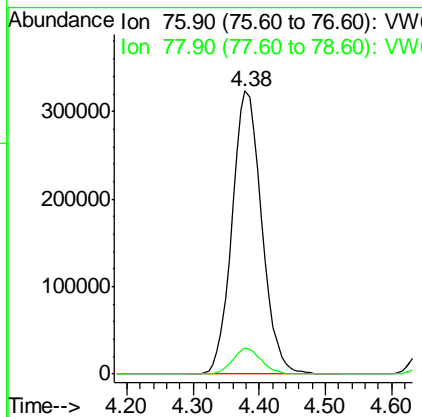
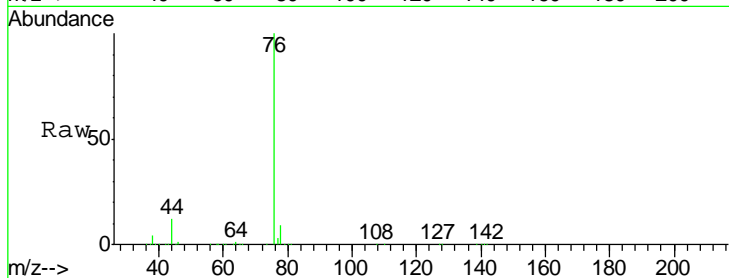
Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion: 76 Resp: 1005829

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

Manual Integrations
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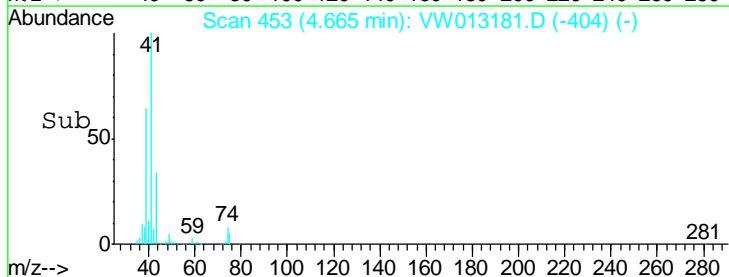
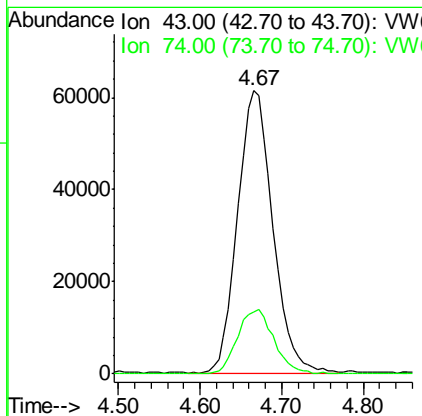
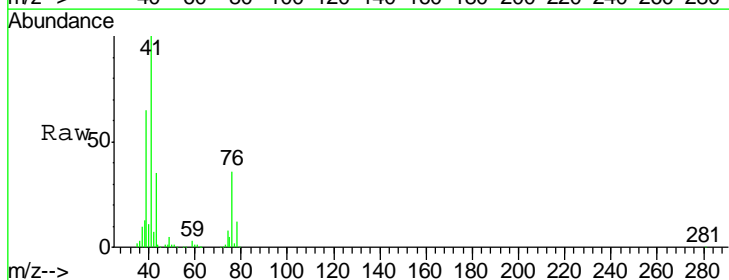
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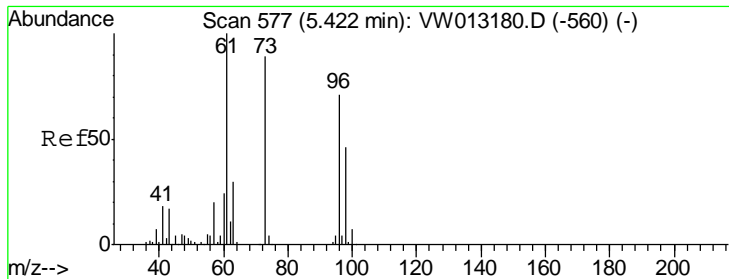


#18
 Methyl Acetate
 Concen: 96.733 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion: 43 Resp: 183747

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.3	28.9



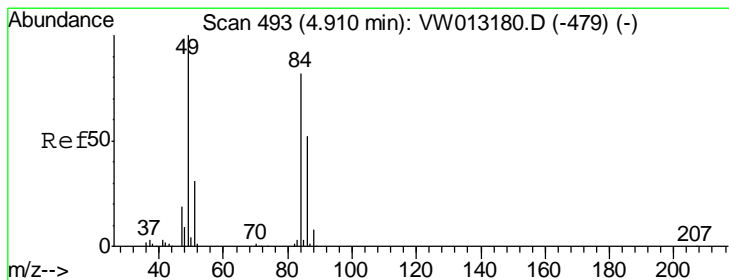
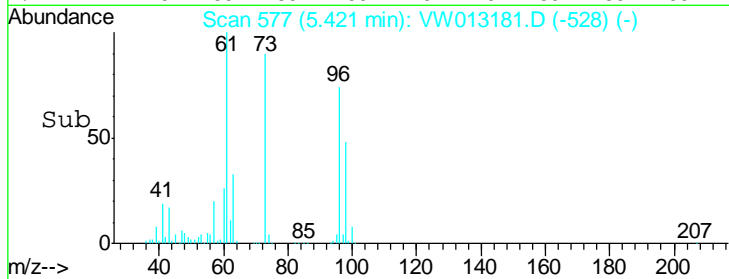
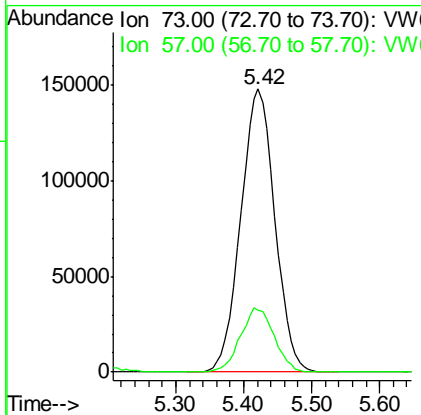
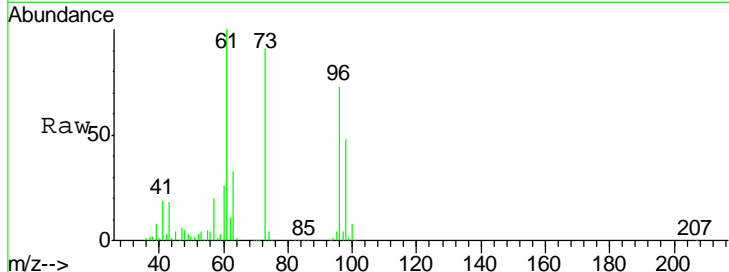


#19
Methyl tert-butyl Ether
Concen: 103.943 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
73	515614		
73	100		
57	22.1	17.6	26.4

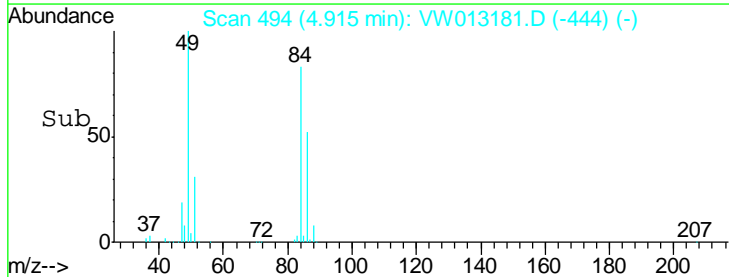
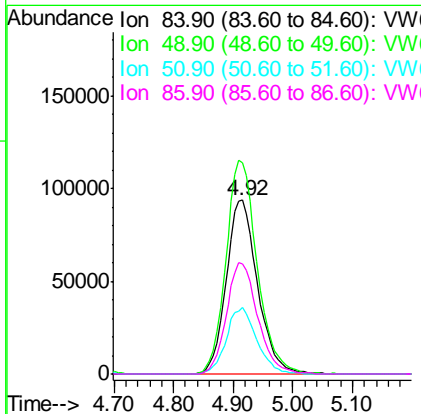
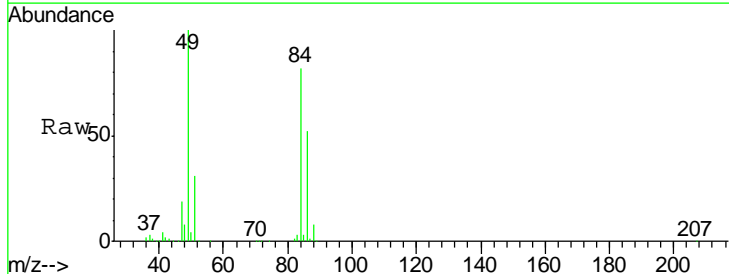
Instrument : MSVOA_W
ClientSampled : VSTDIC100

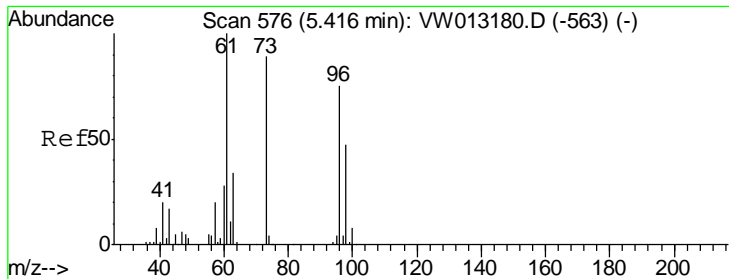
Manual Integrations APPROVED
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#20
Methylene Chloride
Concen: 105.000 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

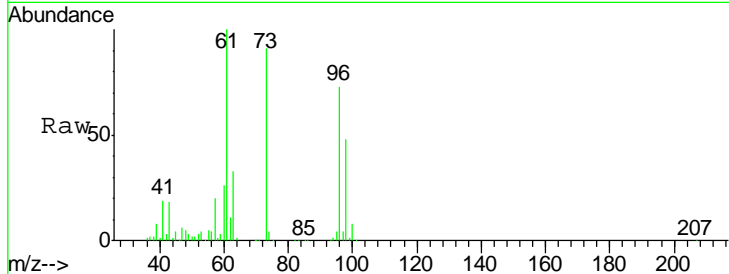
Tgt Ion	Resp	Lower	Upper
84	342154		
84	100		
49	121.3	97.6	146.4
51	38.0	30.2	45.2
86	63.5	50.6	76.0





#21
 trans-1,2-Dichloroethene
 Concen: 128.223 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

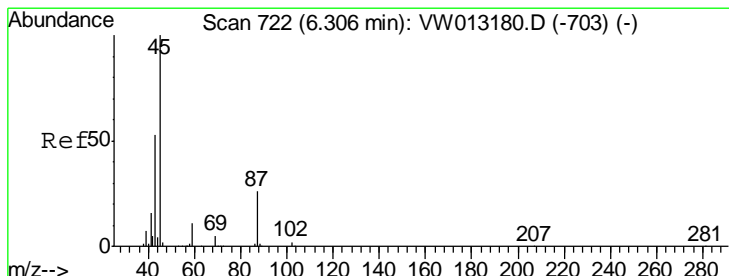
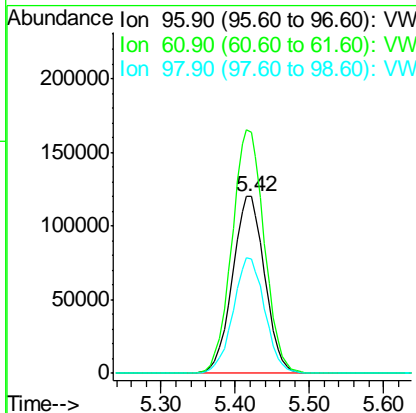
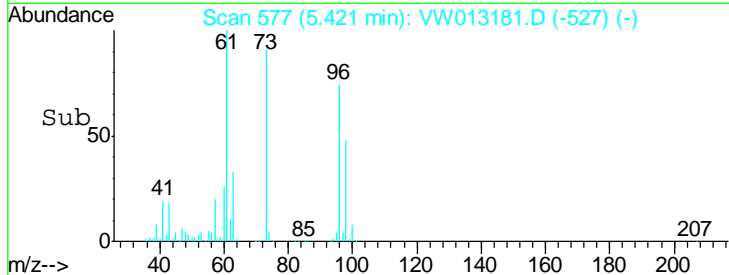
Instrument : MSVOA_W
 ClientSampled : VSTDICC100



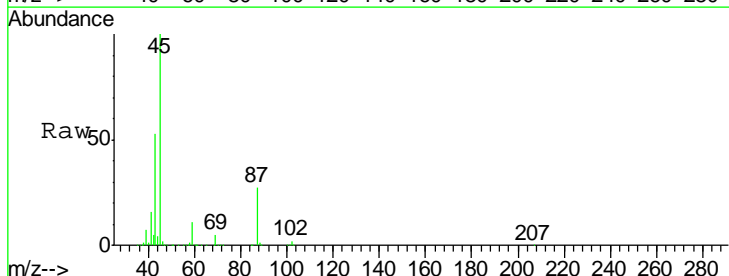
Tgt Ion: 96 Resp: 364361

Ion	Ratio	Lower	Upper
96	100		
61	136.1	106.6	159.8
98	64.7	49.8	74.8

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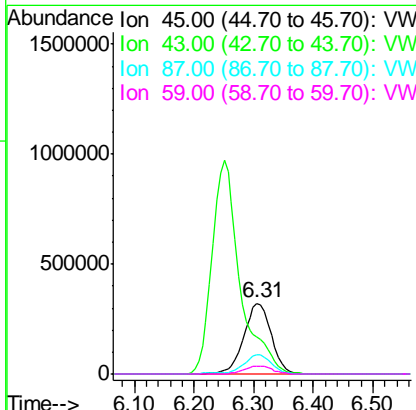
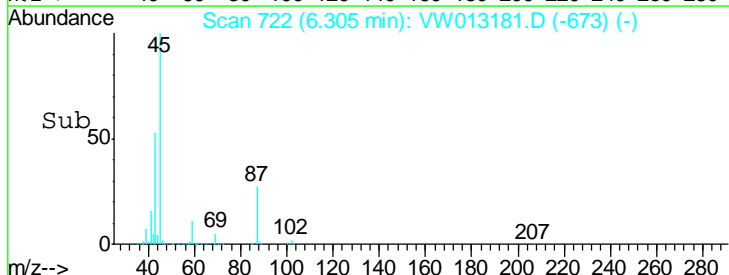


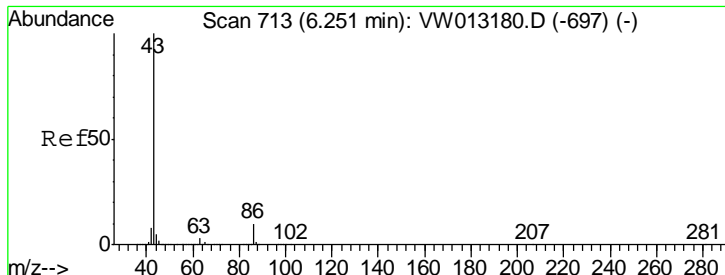
#22
 Diisopropyl ether
 Concen: 104.060 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27



Tgt Ion: 45 Resp: 1032354

Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.4	63.6
87	26.8	20.4	30.6
59	11.2	8.8	13.2





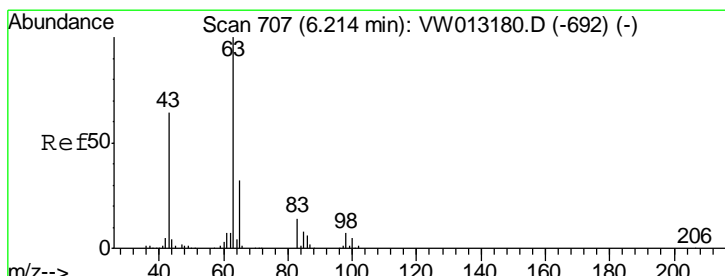
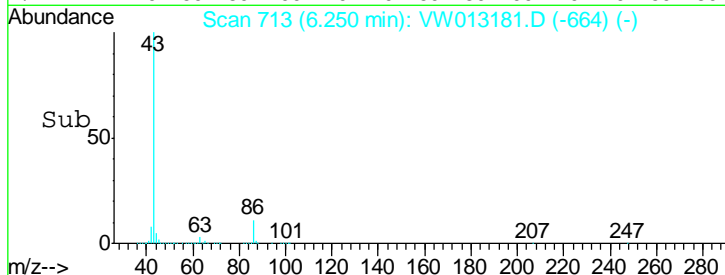
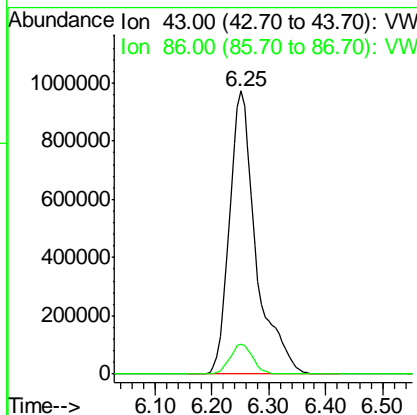
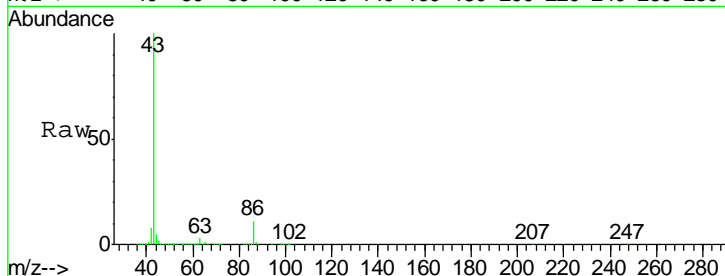
#23
 Vinyl Acetate
 Concen: 537.024 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.6	8.3	12.5

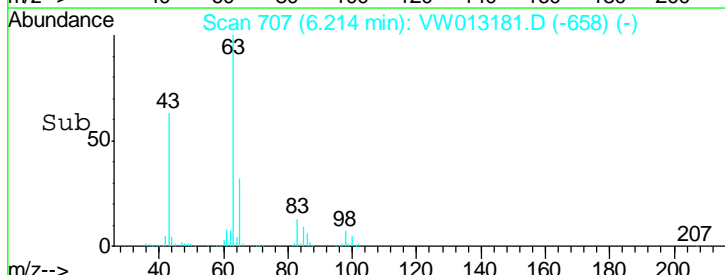
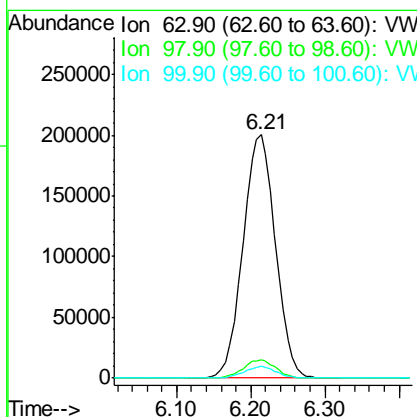
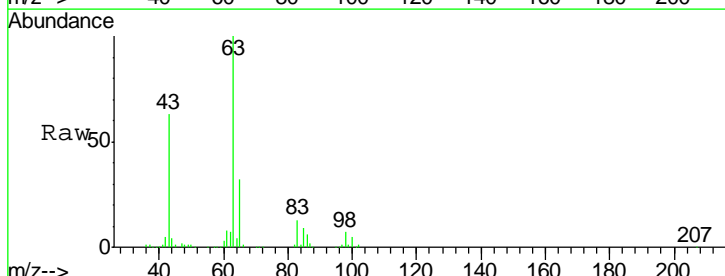
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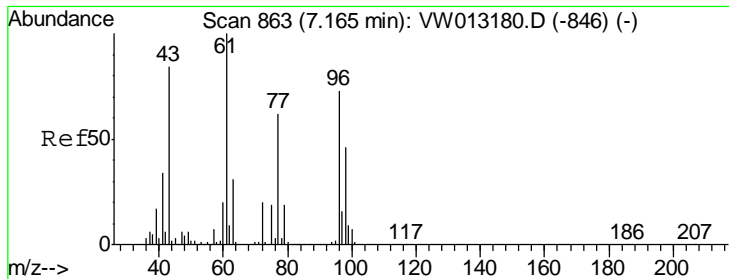
MMDadoda
 9/24/2019 5:28:48 AM



#24
 1,1-Dichloroethane
 Concen: 105.871 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	4.8	2.4	7.1





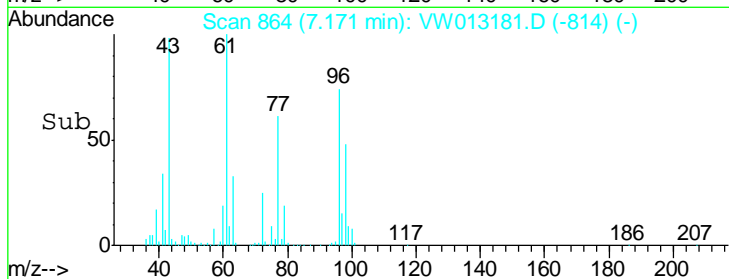
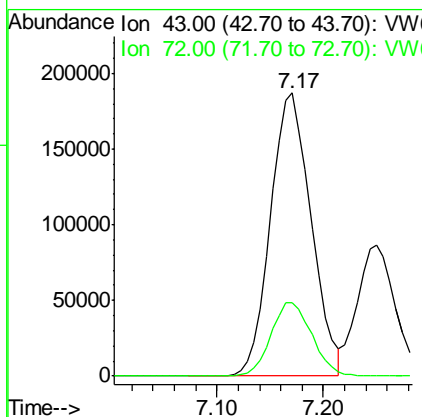
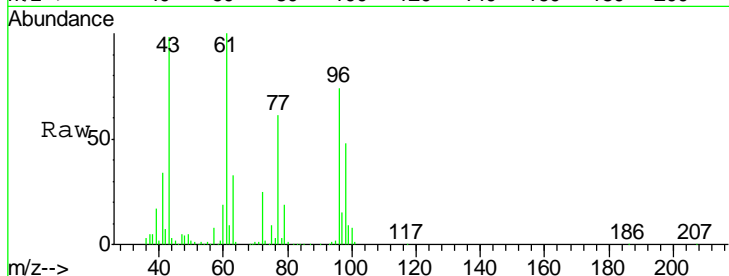
#25
 2-Butanone
 Concen: 473.589 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.9	19.4	29.0

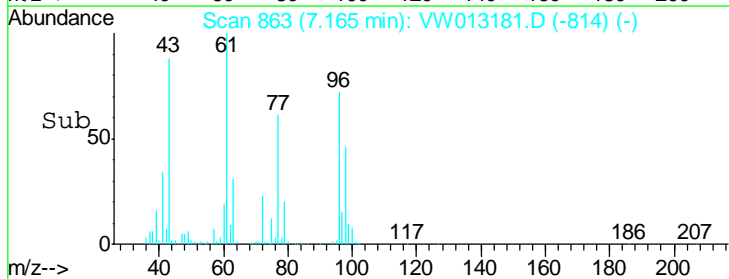
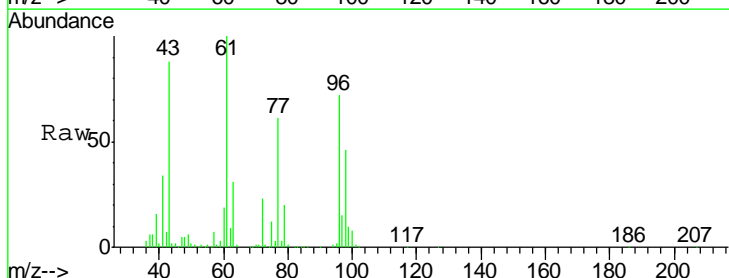
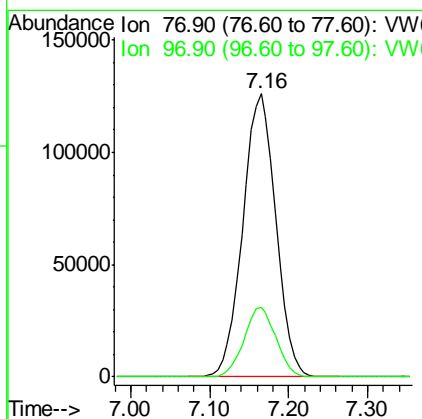
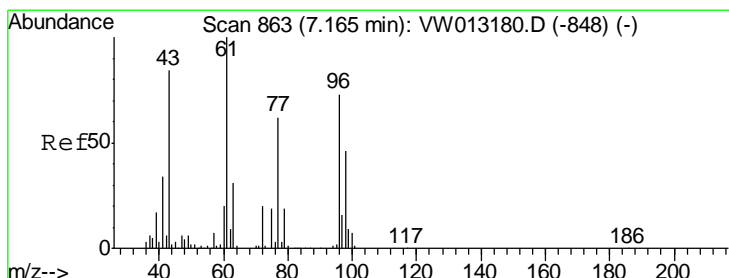
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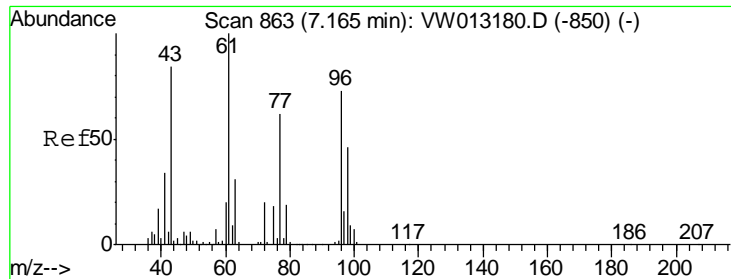
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#26
 2,2-Dichloropropane
 Concen: 90.961 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.7	11.8	35.4





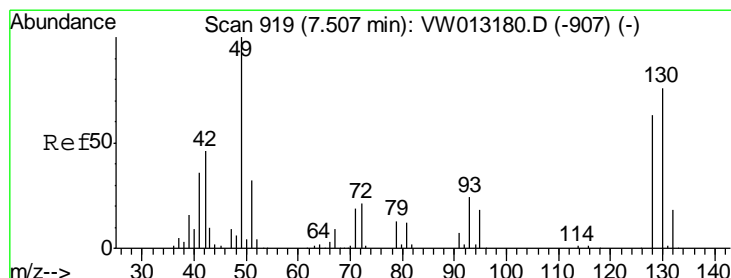
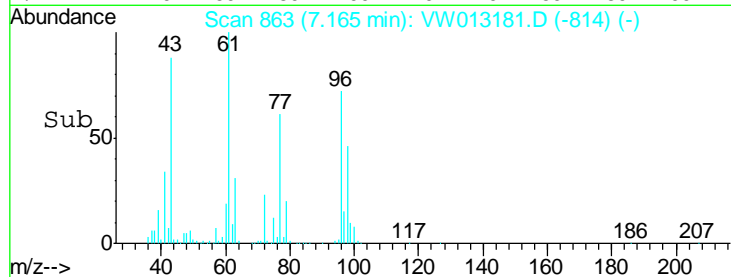
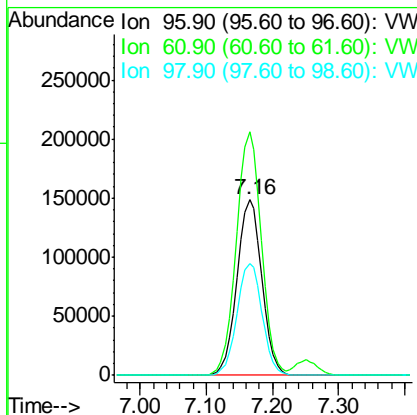
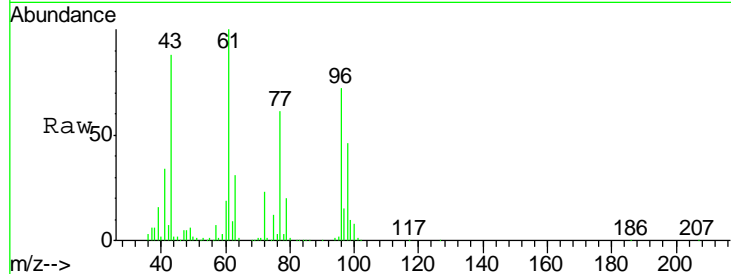
#27
 cis-1,2-Dichloroethene
 Concen: 116.432 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	387221		
96	100		
61	140.0	0.0	282.4
98	64.4	0.0	128.2

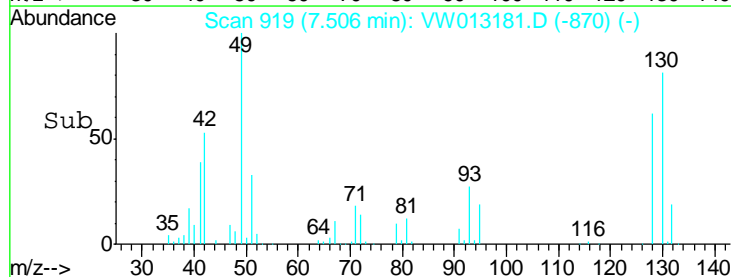
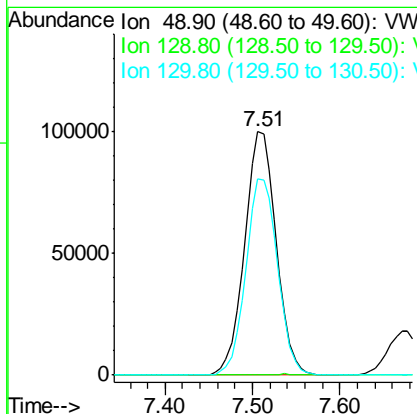
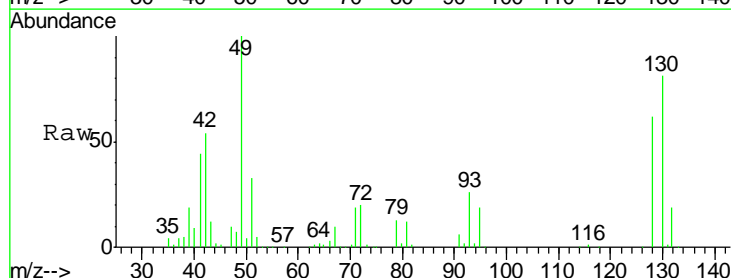
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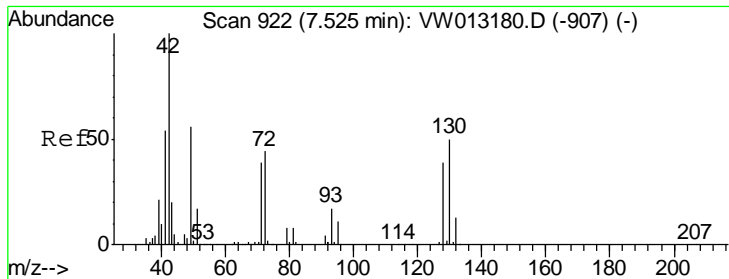
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#28
 Bromochloromethane
 Concen: 103.435 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
49	250393		
49	100		
129	0.0	0.0	1.0
130	81.1	63.4	95.2





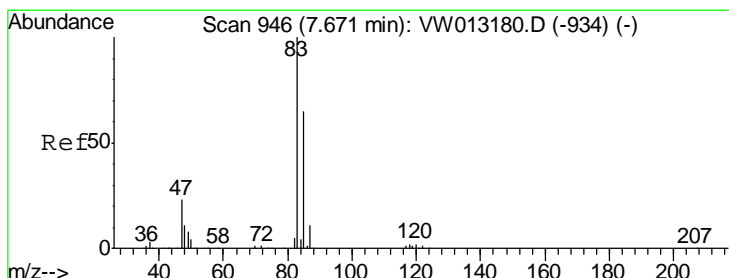
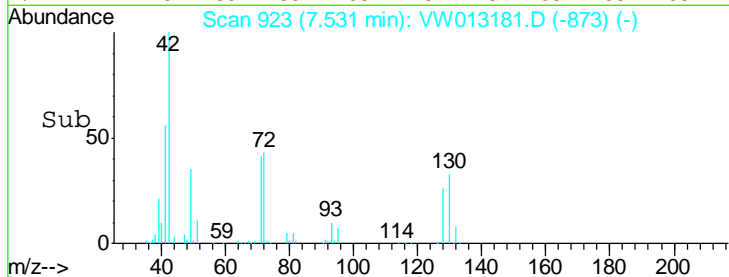
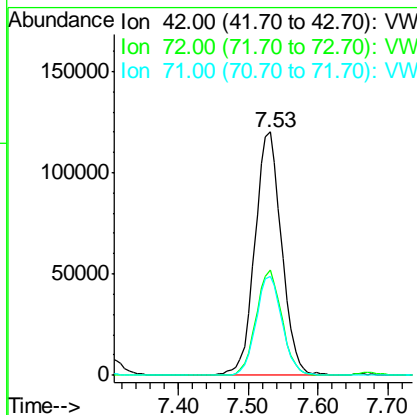
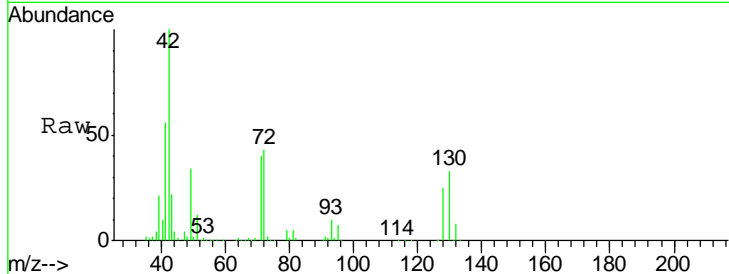
#29
 Tetrahydrofuran
 Concen: 528.415 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
42	100		
72	41.7	33.9	50.9
71	39.5	31.9	47.9

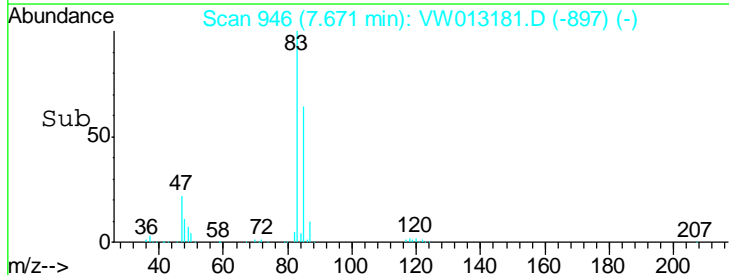
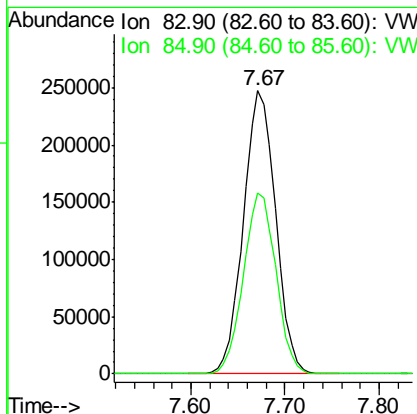
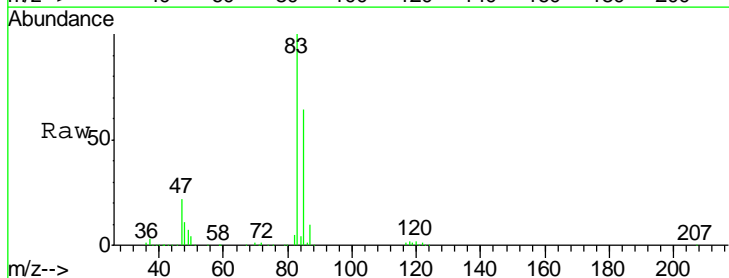
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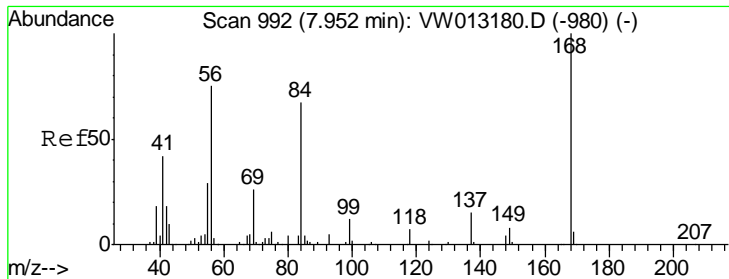
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#30
 Chloroform
 Concen: 101.695 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.8	52.3	78.5





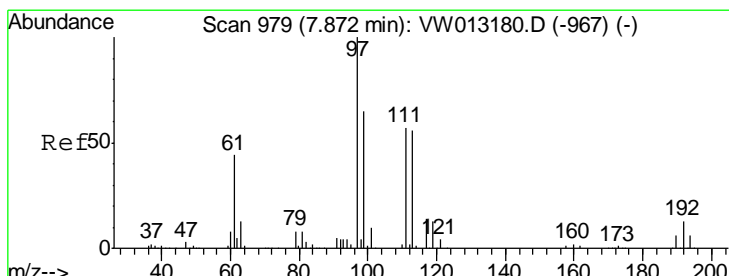
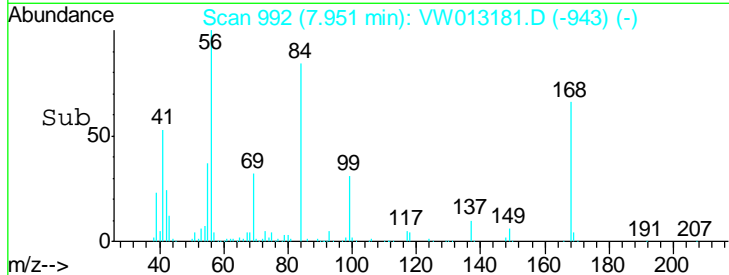
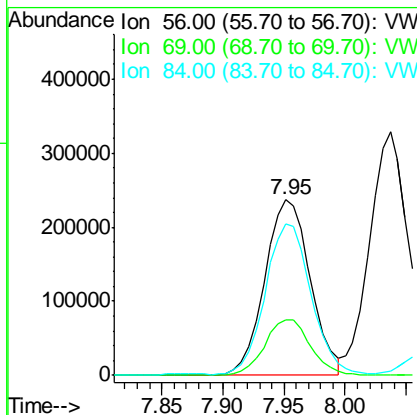
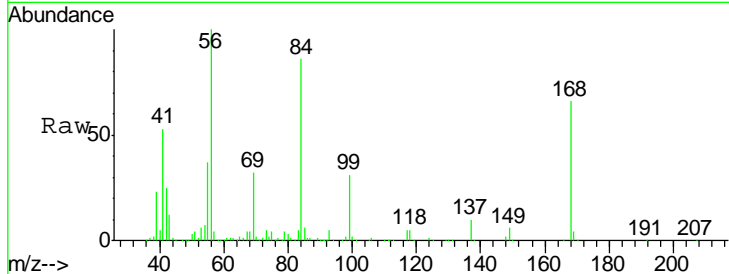
#31
 Cyclohexane
 Concen: 119.809 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	614803		
69	31.6	27.2	40.8
84	85.0	70.8	106.2

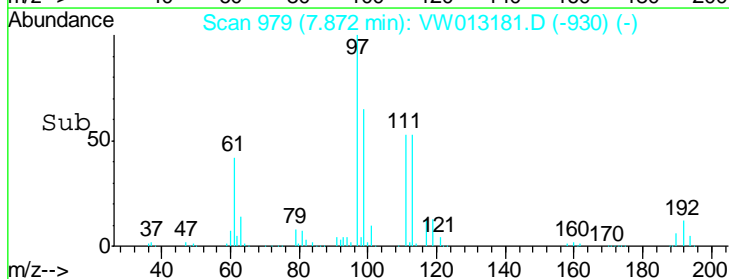
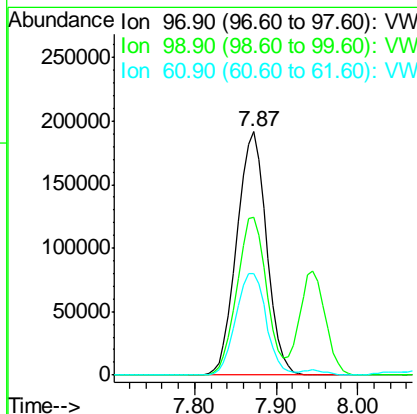
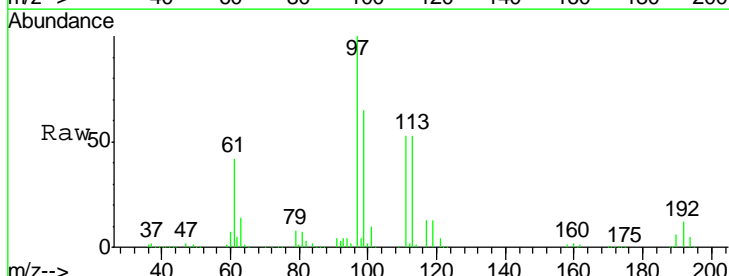
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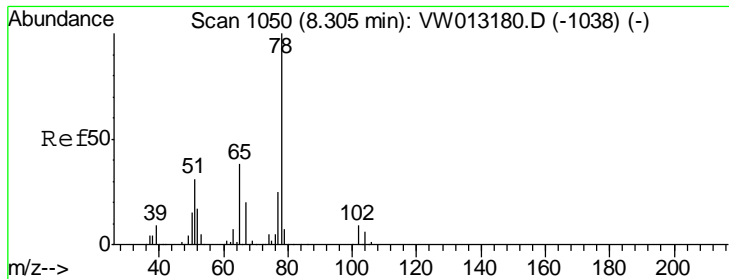
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#32
 1,1,1-Trichloroethane
 Concen: 101.075 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
97	483814		
99	64.7	51.7	77.5
61	42.8	34.6	51.8



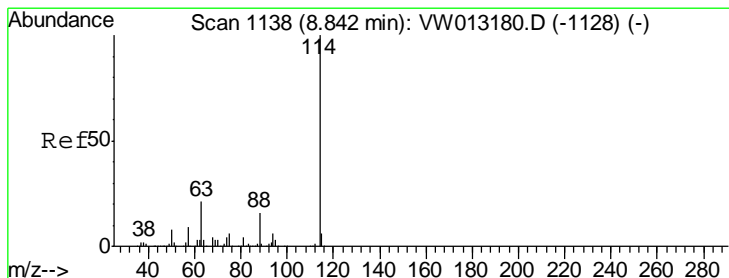
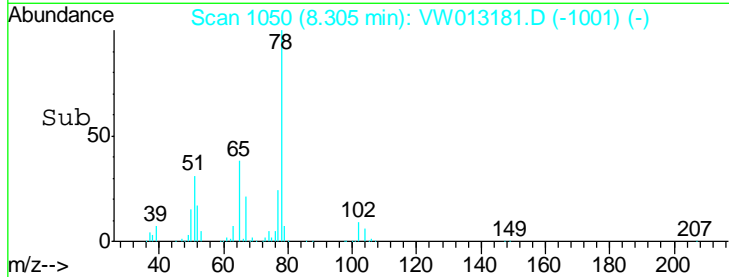
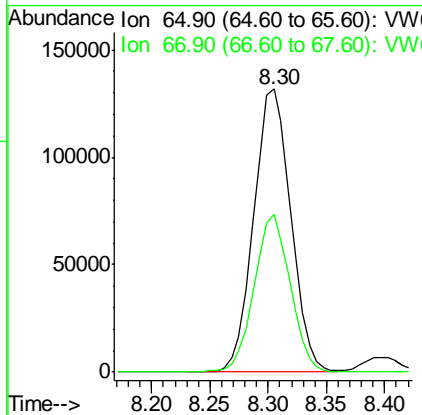
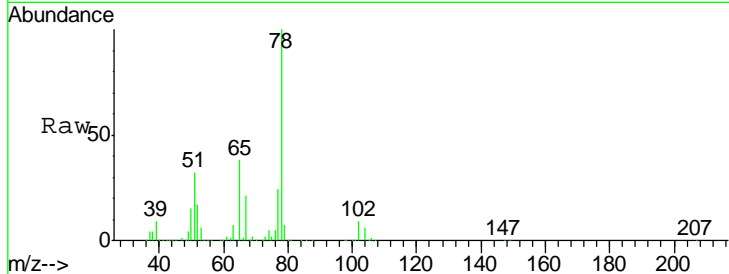


#33
 1,2-Dichloroethane-d4
 Concen: 89.158 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
65	291216		
65	100		
67	54.4	0.0	106.2

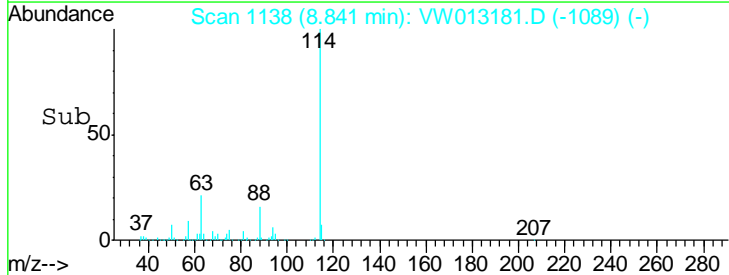
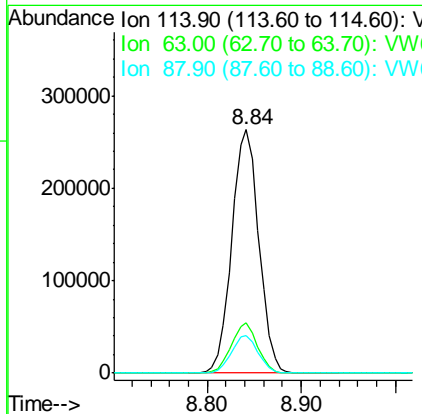
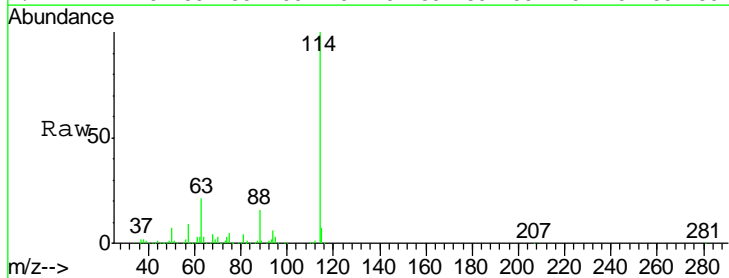
Instrument : MSVOA_W
 Client Sampled : VSTDIC100

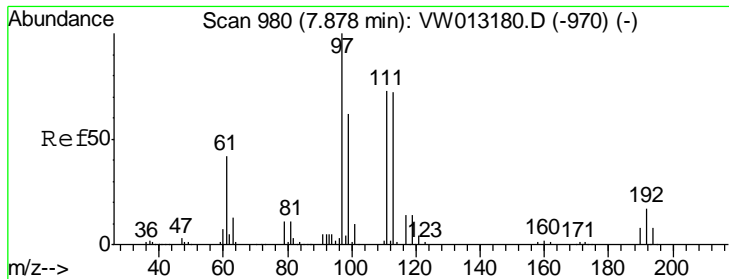
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
114	522738		
114	100		
63	20.6	0.0	41.4
88	15.6	0.0	32.0





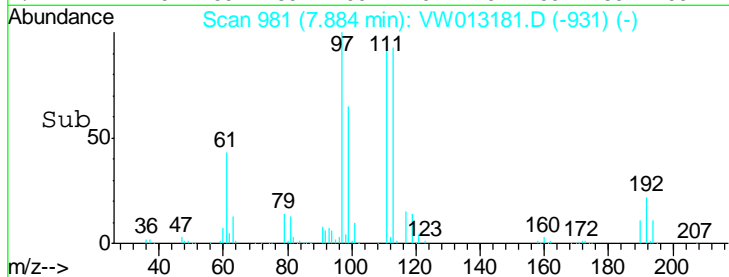
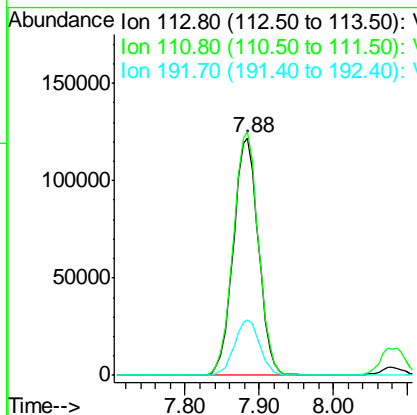
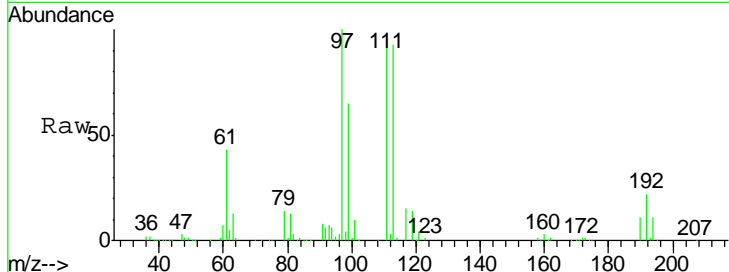
#35
 Dibromofluoromethane
 Concen: 101.825 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
113	287802		
113	100		
111	103.3	81.9	122.9
192	23.5	19.1	28.7

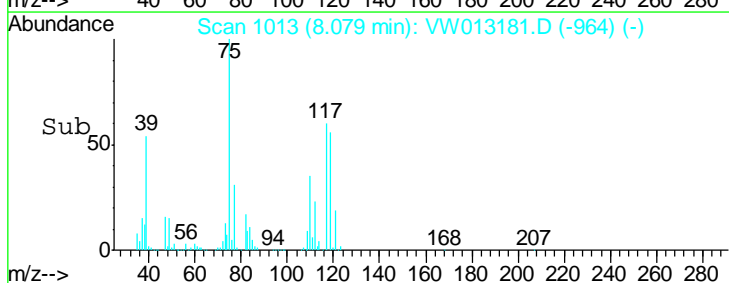
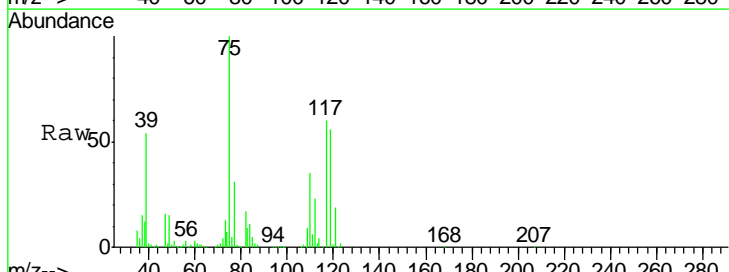
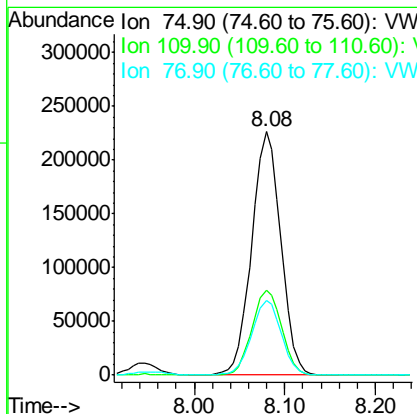
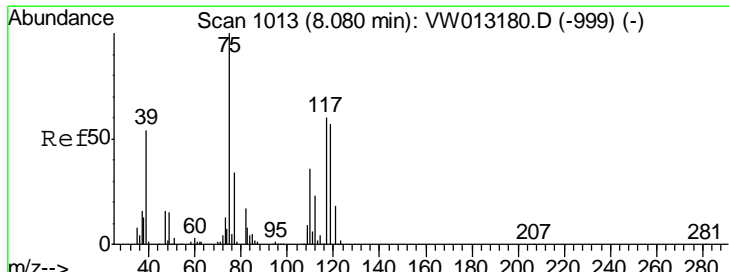
Manual Integrations
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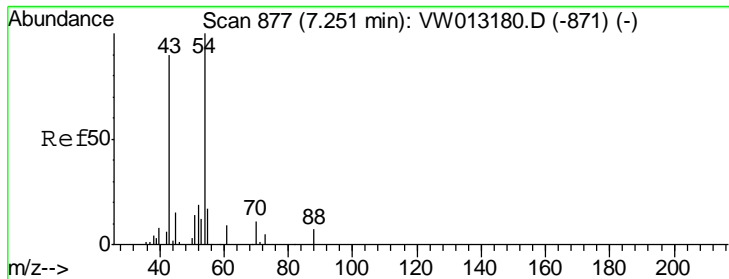
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#36
 1,1-Dichloropropene
 Concen: 116.887 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
75	503795		
75	100		
110	35.4	18.1	54.3
77	31.2	25.8	38.6





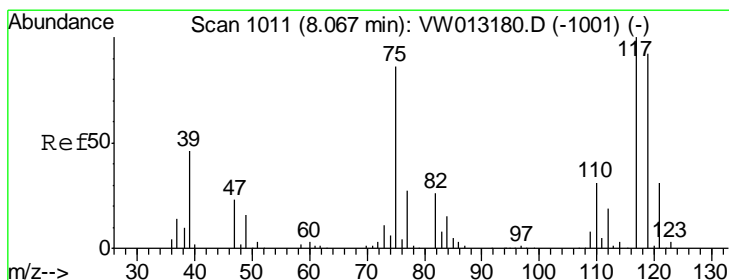
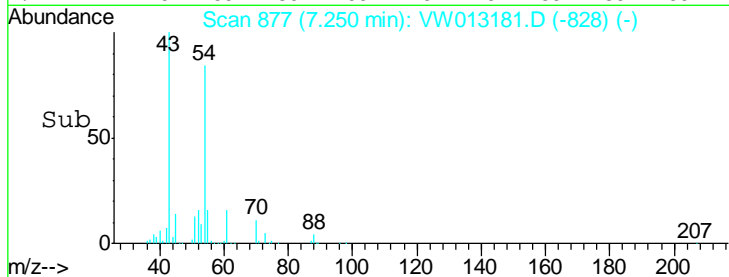
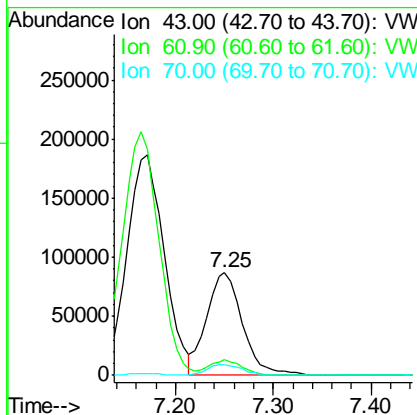
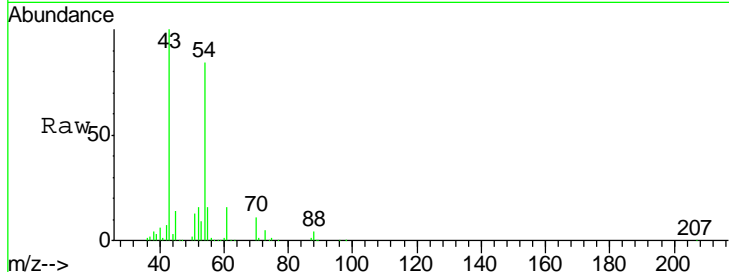
#37
 Ethyl Acetate
 Concen: 100.656 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	10.6	8.2	12.2

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

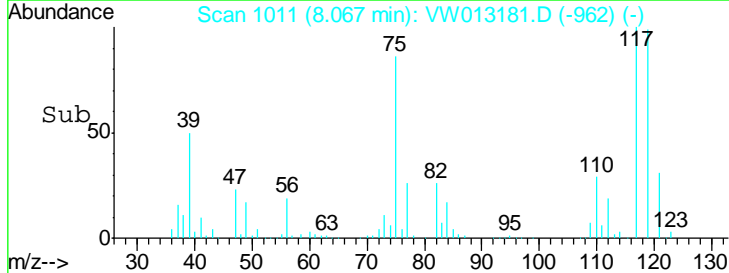
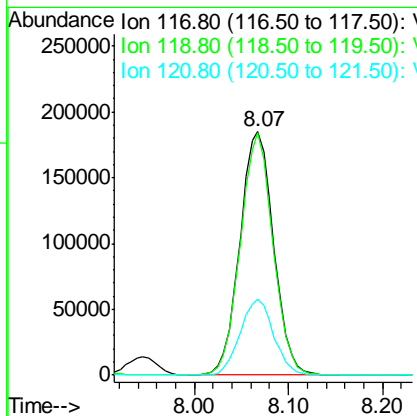
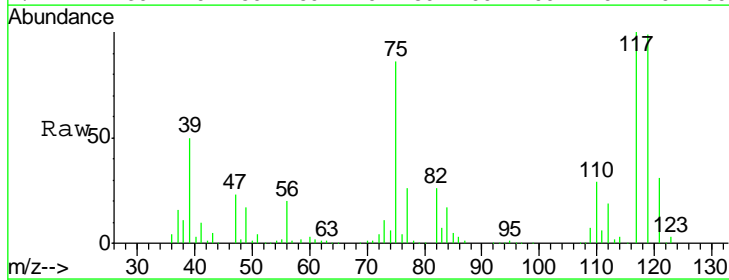
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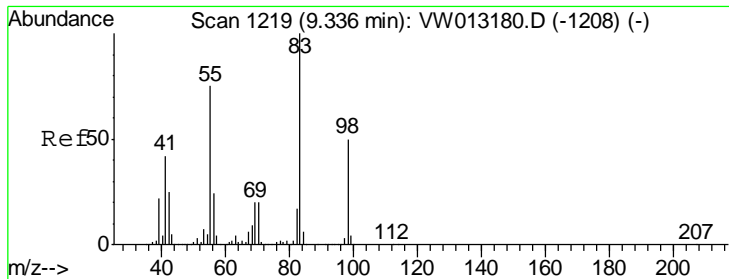
MMDadoda
 9/24/2019 5:28:48 AM



#38
 Carbon Tetrachloride
 Concen: 106.880 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
117	100		
119	99.5	73.5	110.3
121	31.5	25.0	37.6





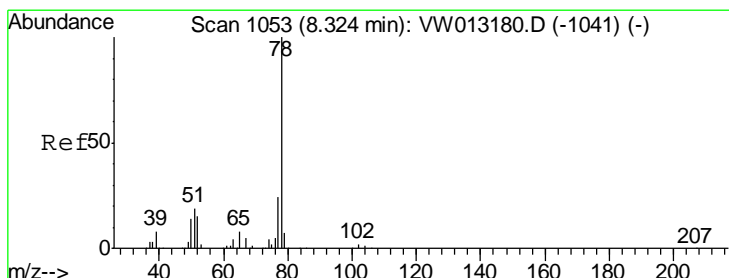
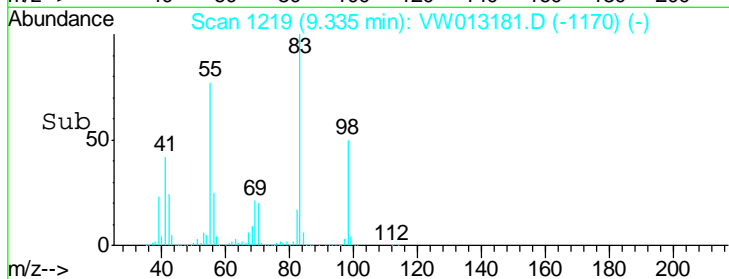
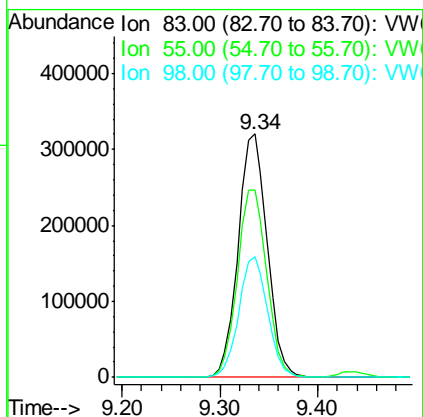
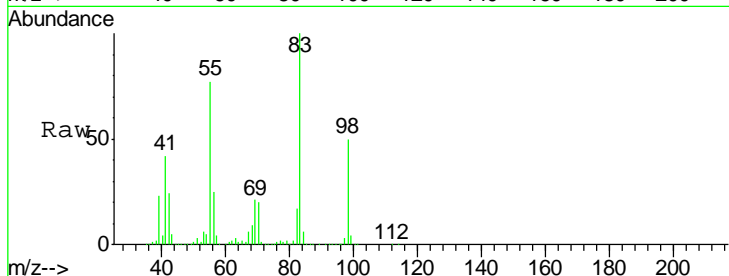
#39
 Methylcyclohexane
 Concen: 134.480 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	660742		
83	100		
55	77.0	60.4	90.6
98	49.7	40.0	60.0

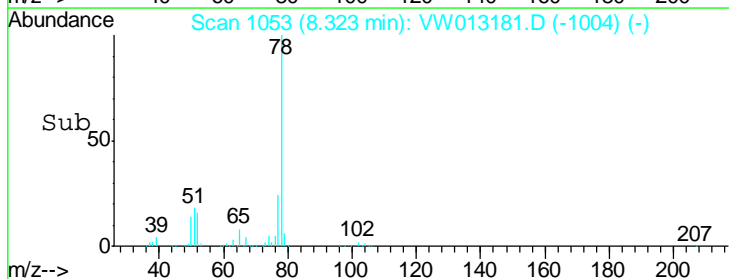
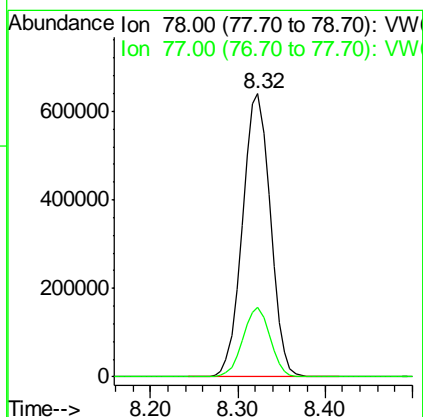
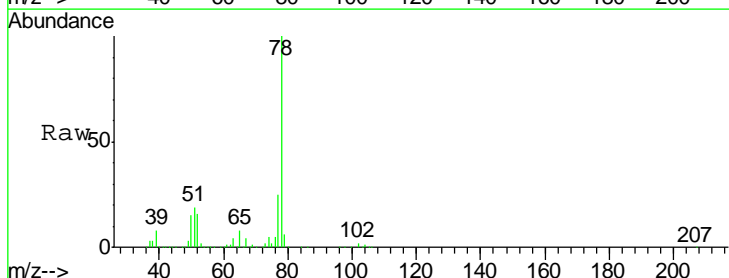
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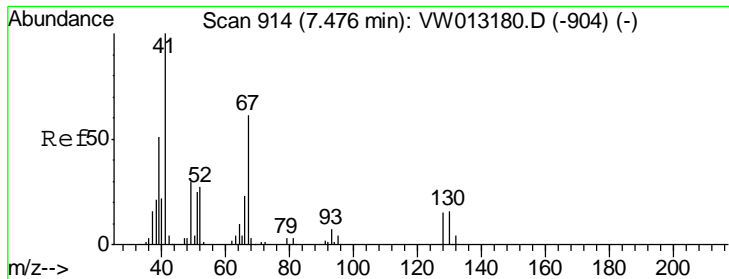
MMDadoda
 9/24/2019 5:28:48 AM



#40
 Benzene
 Concen: 117.750 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
78	1416864		
78	100		
77	24.6	19.1	28.7





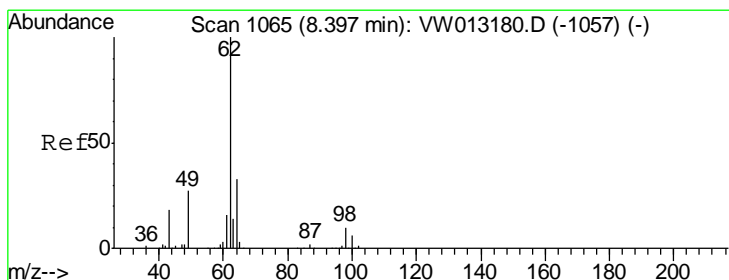
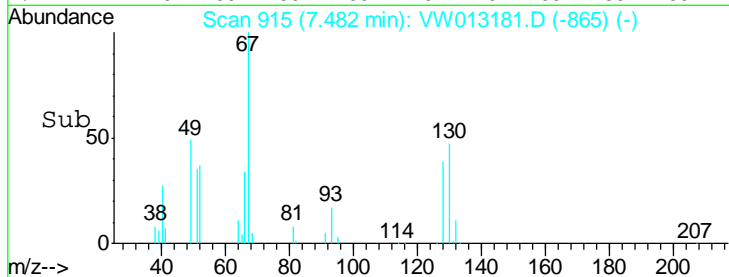
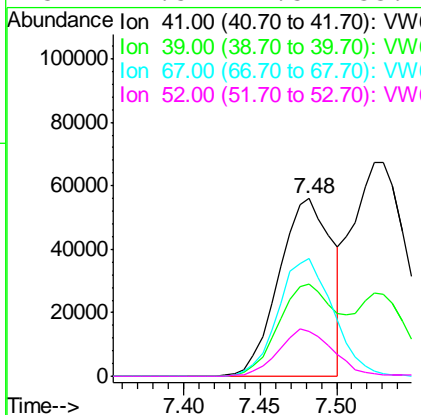
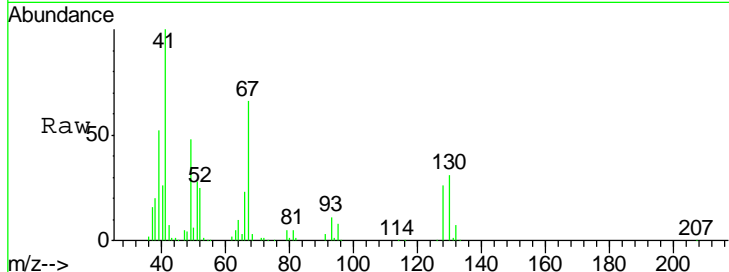
#41
 Methacrylonitrile
 Concen: 94.673 ug/l
 RT: 7.48 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
41	100		
39	57.3	45.9	68.9
67	68.6	54.5	81.7
52	27.5	22.5	33.7

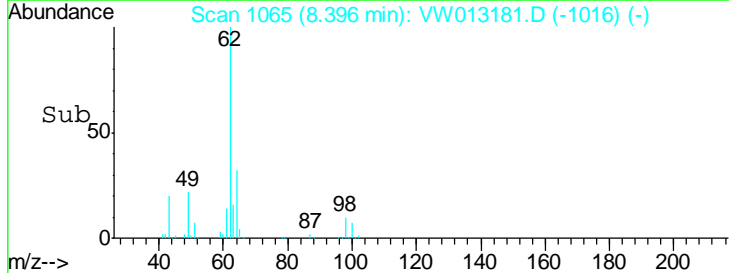
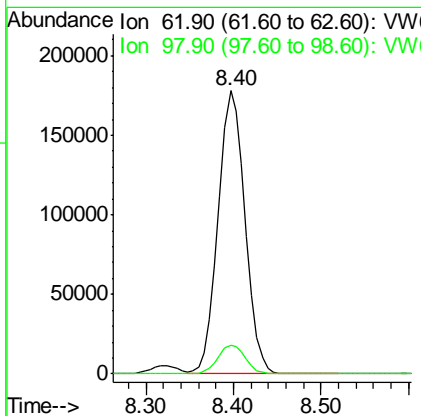
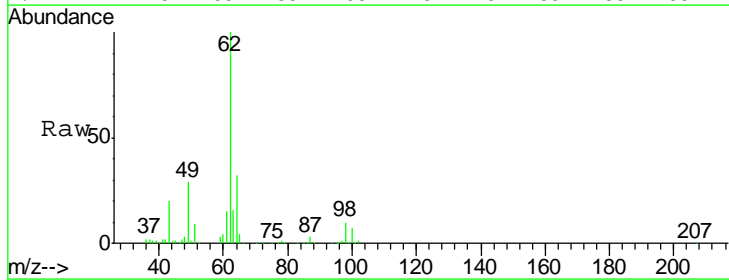
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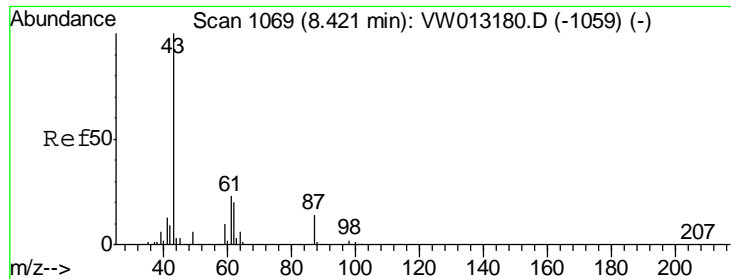
MMDadoda
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#42
 1,2-Dichloroethane
 Concen: 97.899 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.4	0.0	20.6





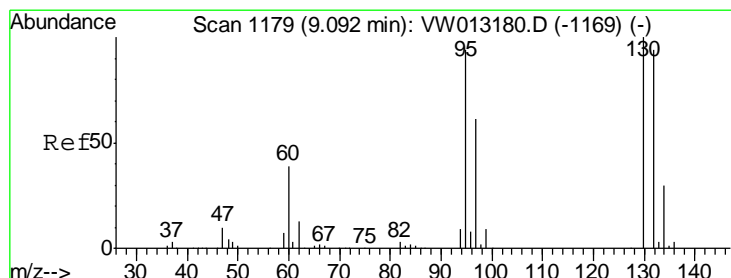
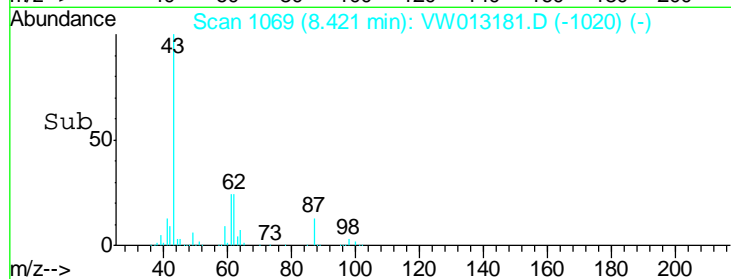
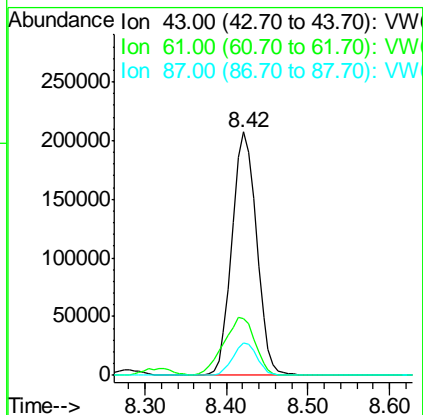
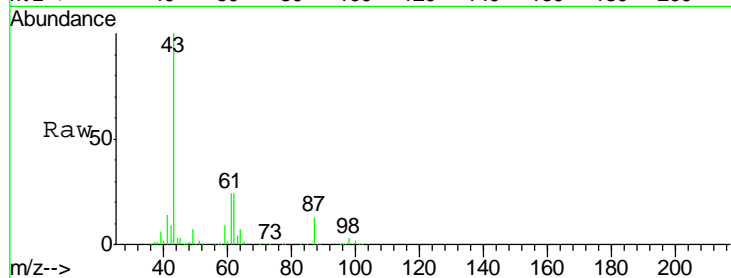
#43
 Isopropyl Acetate
 Concen: 102.340 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.9	25.5	38.3
87	13.4	11.0	16.4

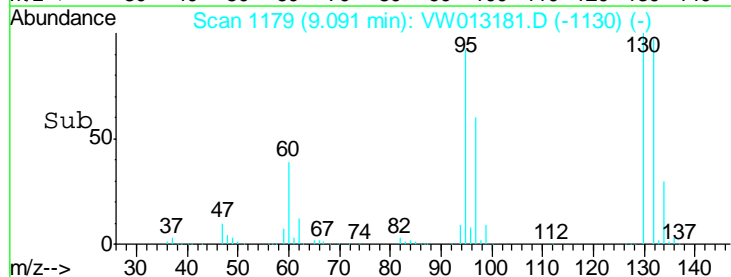
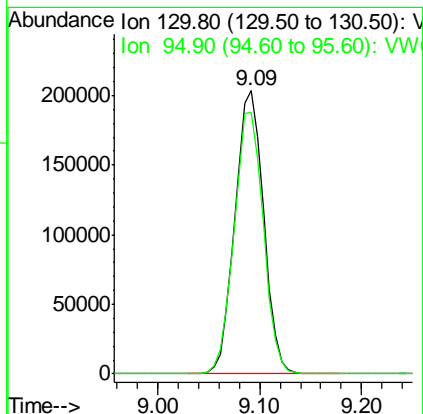
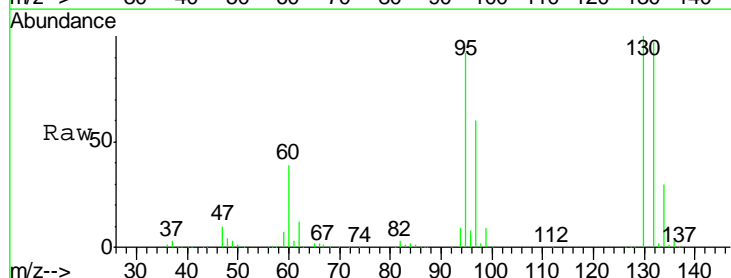
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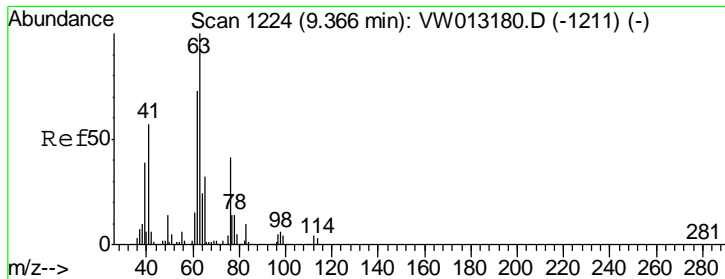
MMDadoda
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#44
 Trichloroethene
 Concen: 118.902 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
130	100		
95	92.3	0.0	188.0





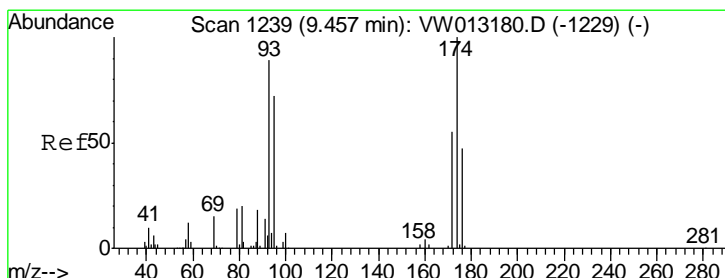
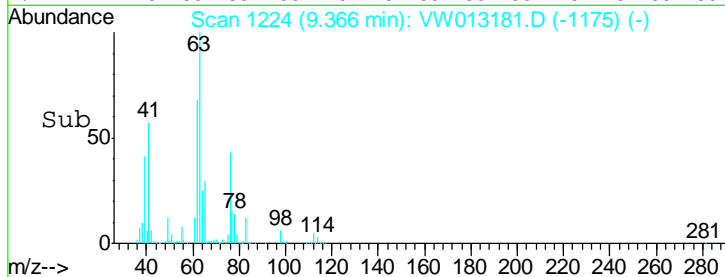
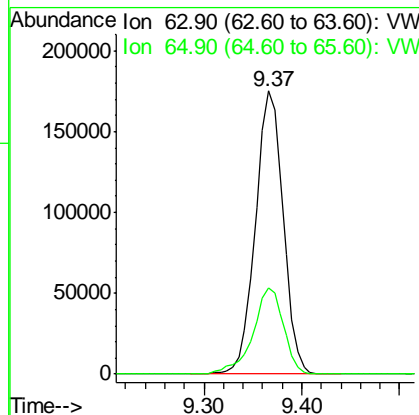
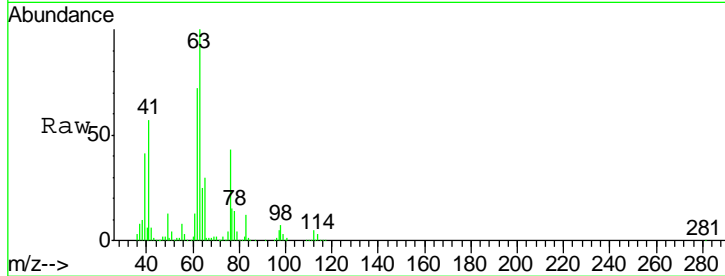
#45
 1,2-Dichloropropane
 Concen: 110.653 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
63	347299		
63	100		
65	30.3	25.3	37.9

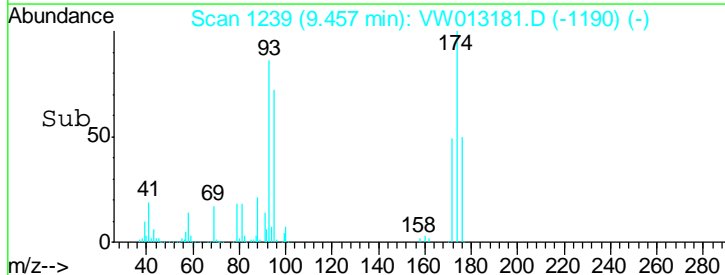
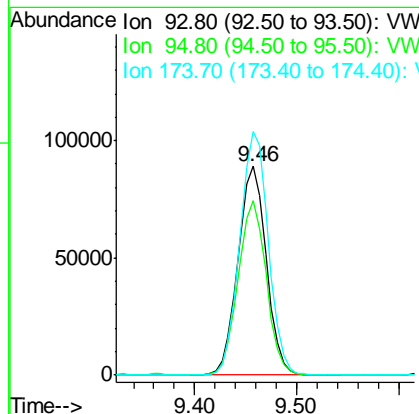
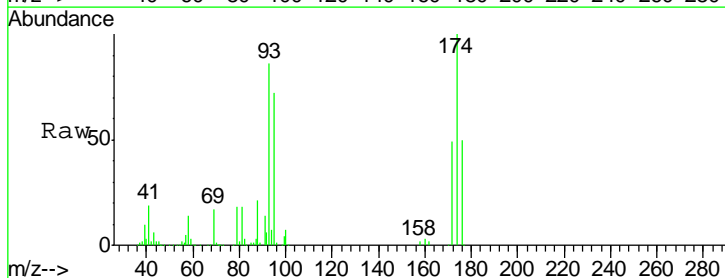
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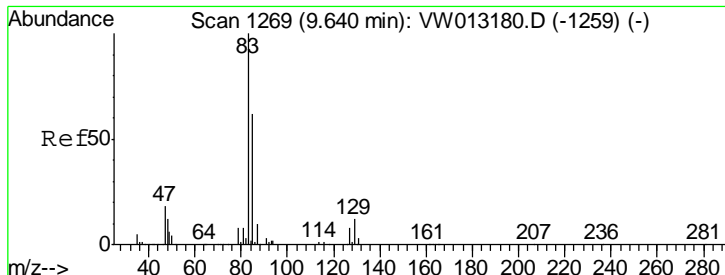
MMDadoda
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#46
 Dibromomethane
 Concen: 113.087 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
93	170461		
93	100		
95	83.0	66.4	99.6
174	117.9	93.0	139.6





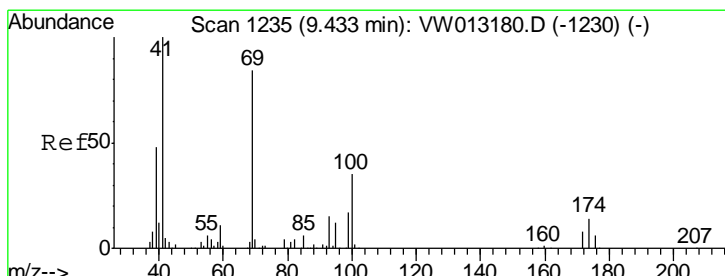
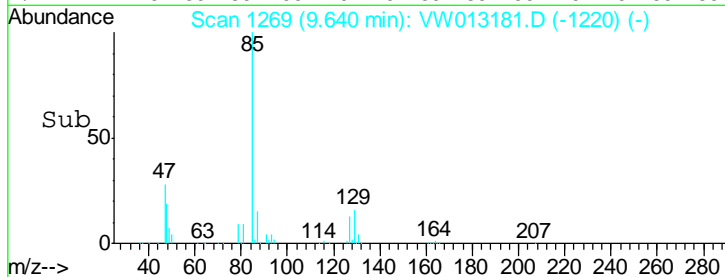
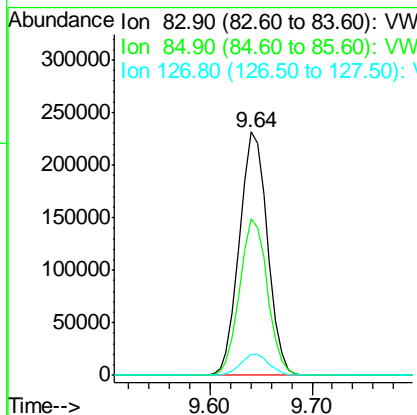
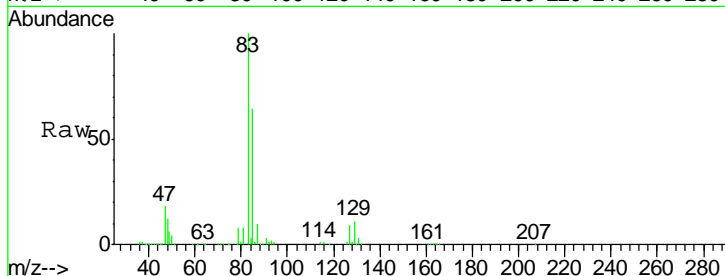
#47
 Bromodichloromethane
 Concen: 106.167 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	441235		
85	64.1	49.4	74.2
127	8.5	6.5	9.7

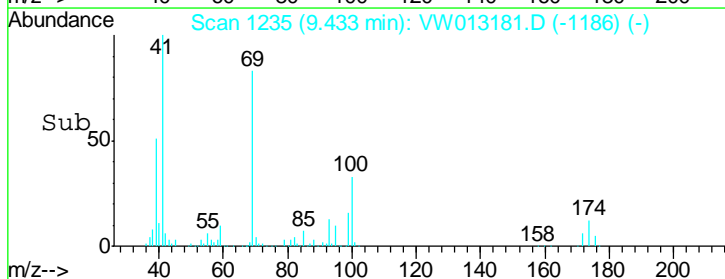
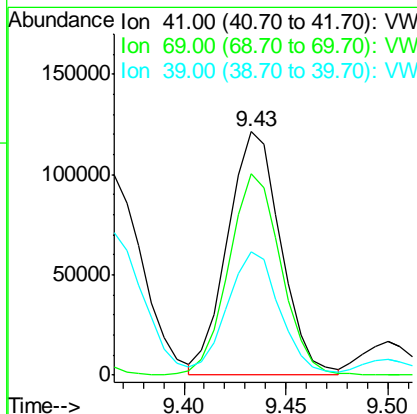
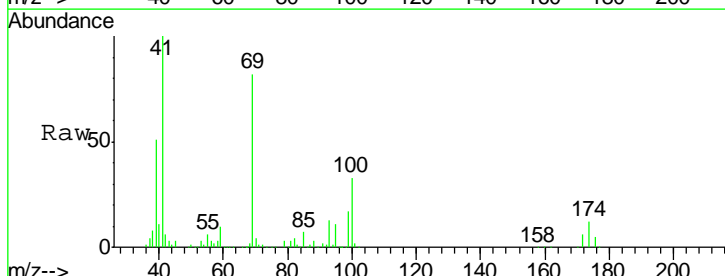
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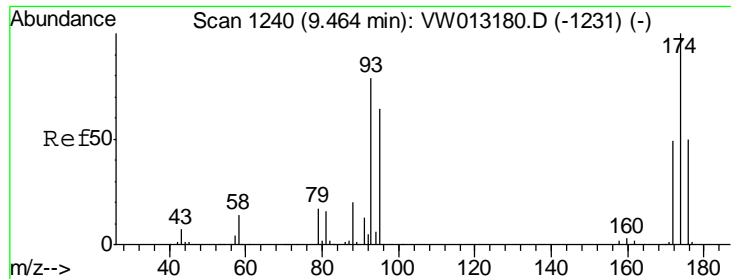
MMDadoda
 9/24/2019 5:28:48 AM



#48
 Methyl methacrylate
 Concen: 111.479 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
41	220070		
69	80.7	69.7	104.5
39	47.6	41.1	61.7





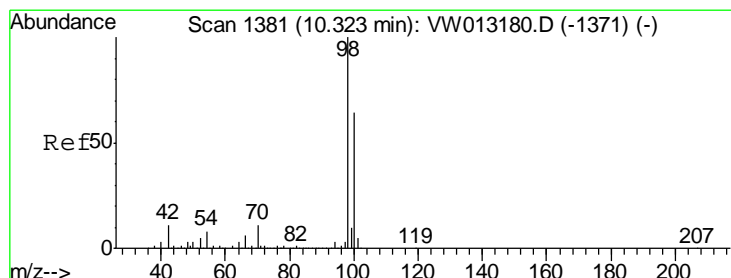
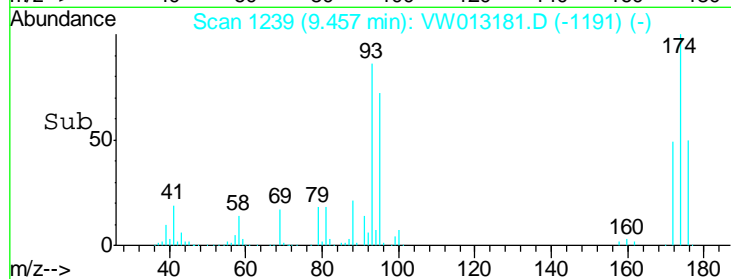
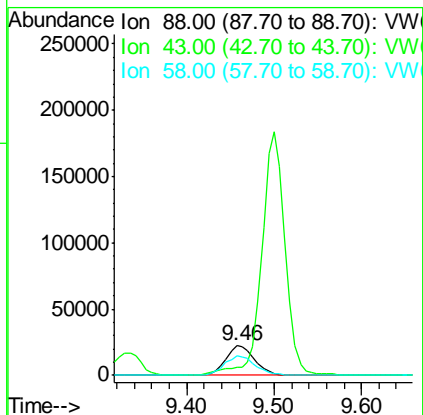
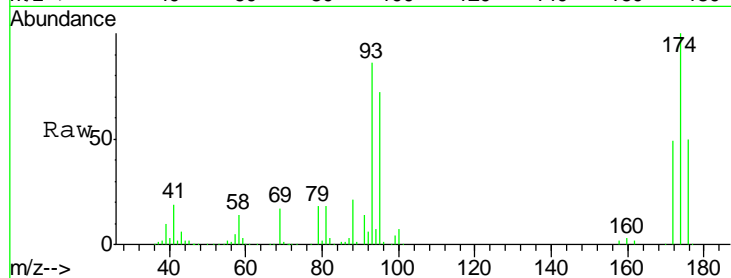
#49
 1,4-Dioxane
 Concen: 2114.995 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
88	51070		
88	100		
43	0.0	0.0	0.0
58	72.3	65.4	98.0

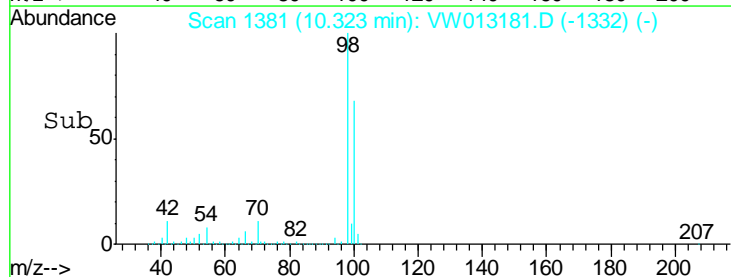
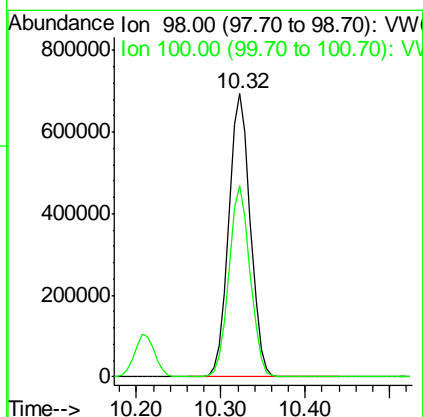
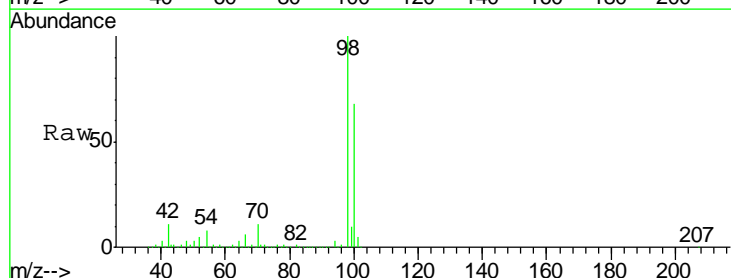
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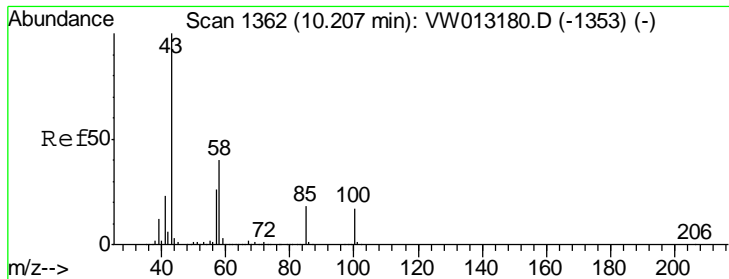
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#50
 Toluene-d8
 Concen: 108.136 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
98	1205184		
98	100		
100	66.4	52.9	79.3





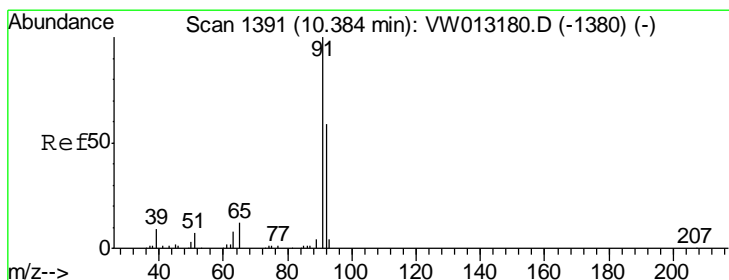
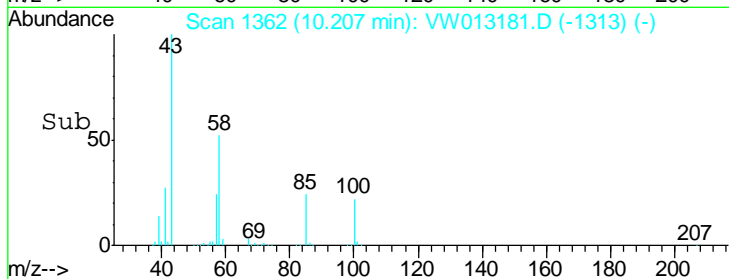
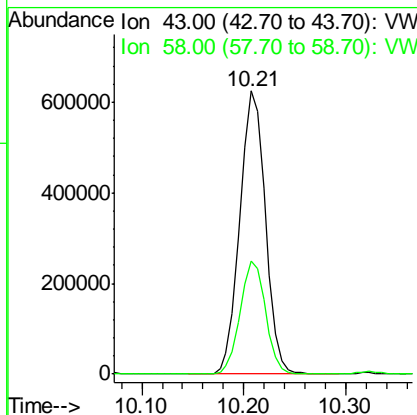
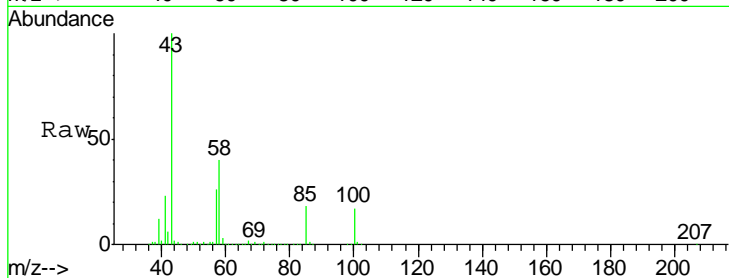
#51
 4-Methyl-2-Pentanone
 Concen: 502.276 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	1083790		
58	39.8	31.7	47.5

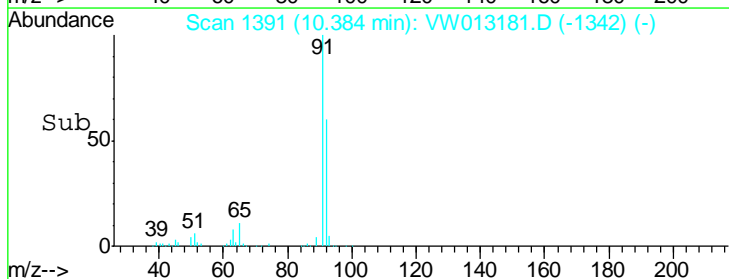
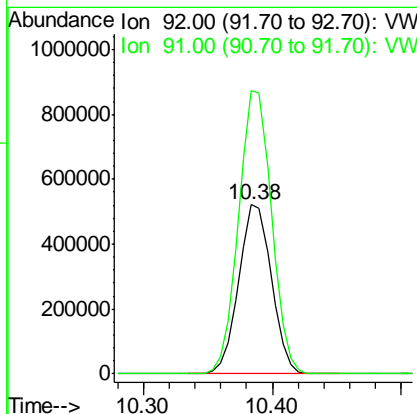
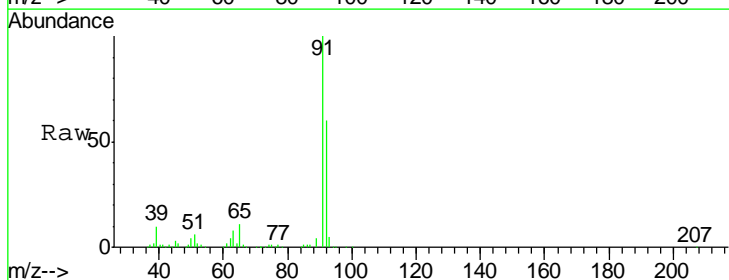
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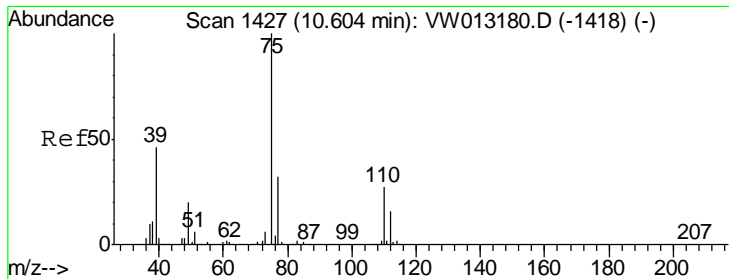
MMDadoda
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#52
 Toluene
 Concen: 119.427 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
92	914038		
91	169.4	135.7	203.5





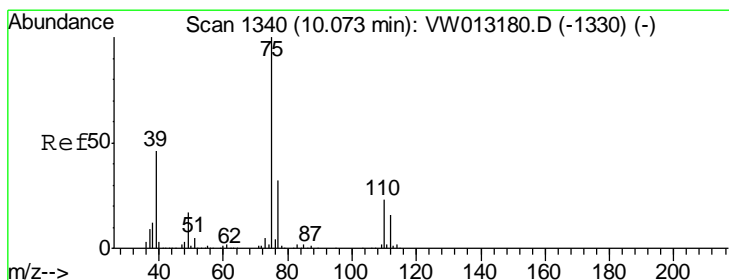
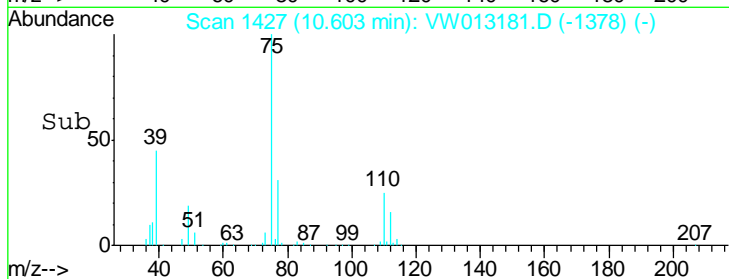
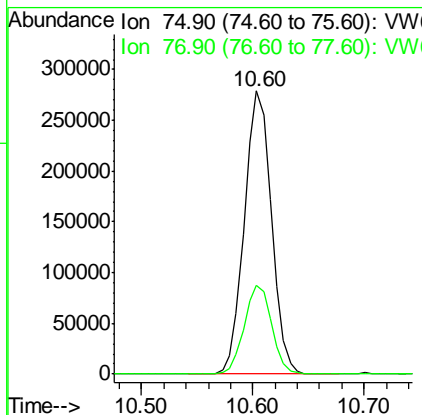
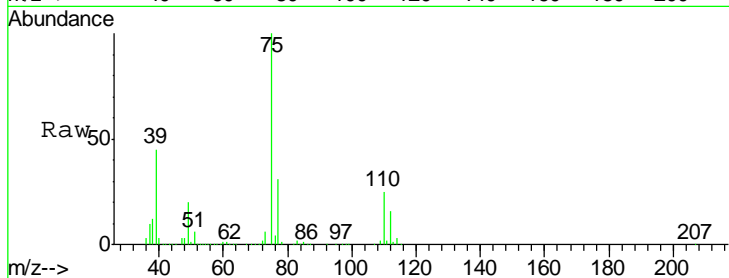
#53
 t-1,3-Dichloropropene
 Concen: 112.425 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	472467		
75	100		
77	31.5	25.5	38.3

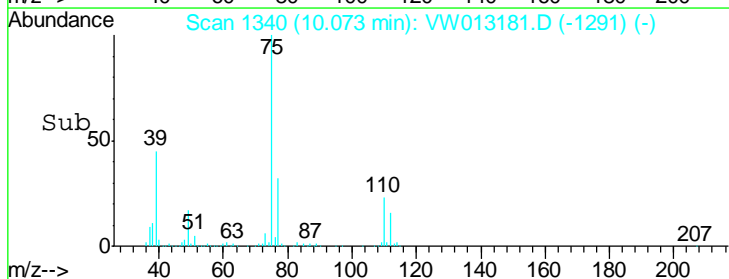
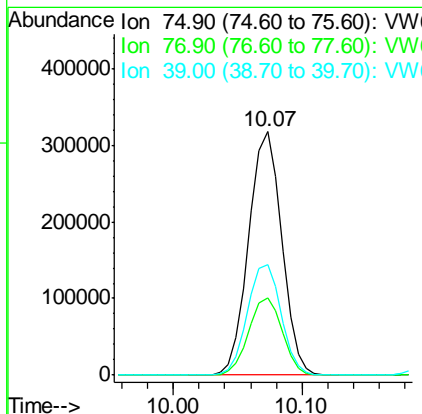
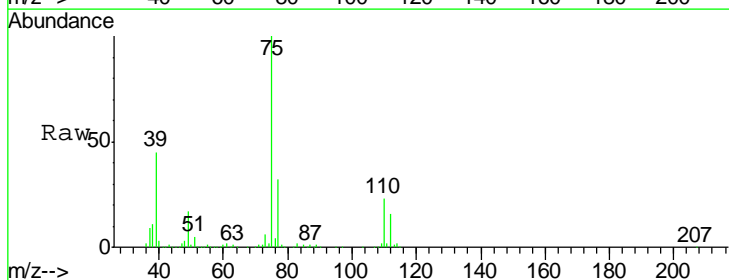
Manual Integrations
 APPROVED

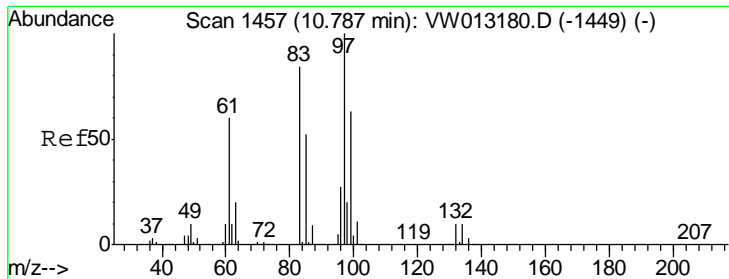
MMDadoda
 9/24/2019 5:28:48 AM



#54
 cis-1,3-Dichloropropene
 Concen: 116.389 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
75	564732		
75	100		
77	31.9	25.2	37.8
39	45.4	36.6	55.0





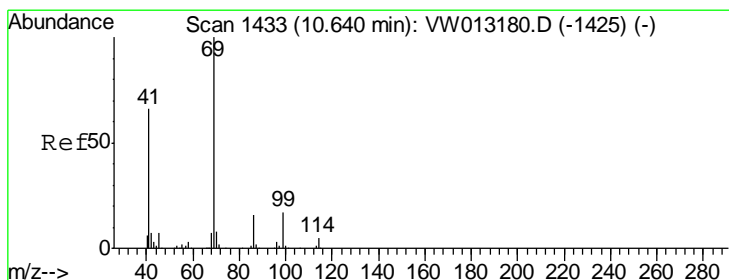
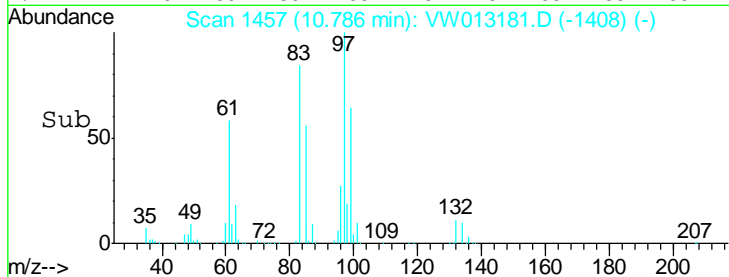
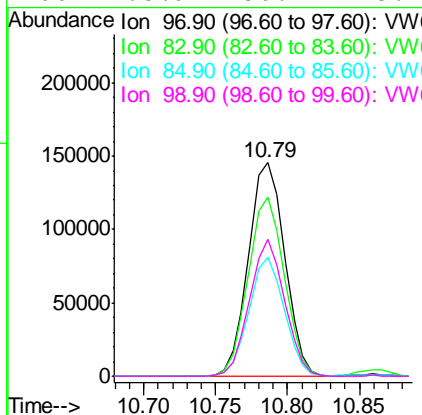
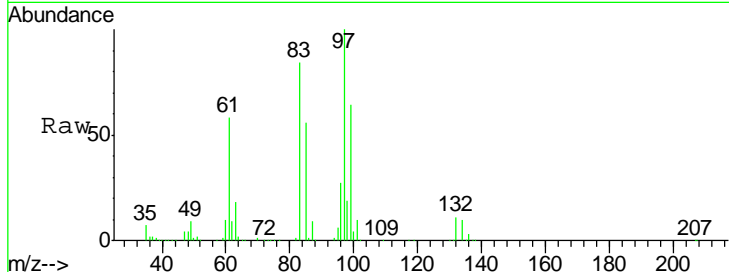
#55
 1,1,2-Trichloroethane
 Concen: 111.189 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
97	254463		
97	100		
83	83.7	67.6	101.4
85	55.6	41.9	62.9
99	63.9	50.1	75.1

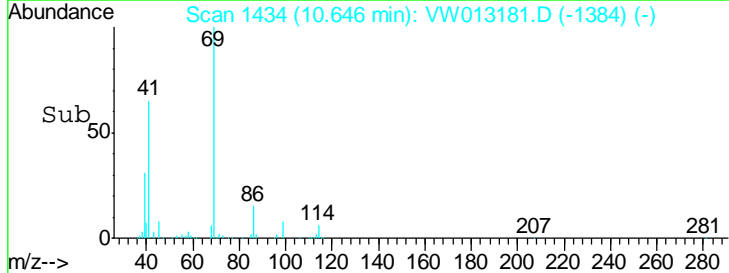
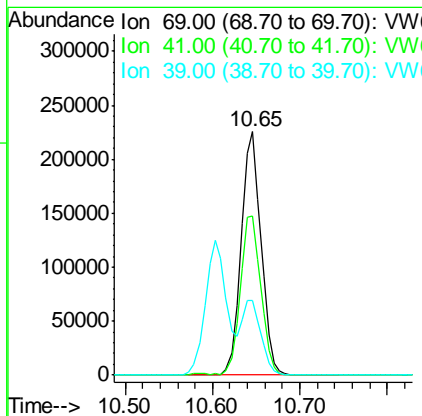
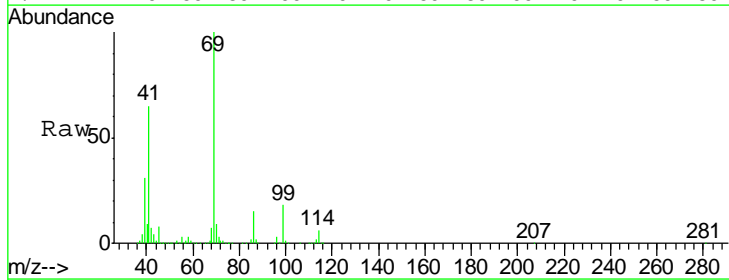
Manual Integrations
 APPROVED

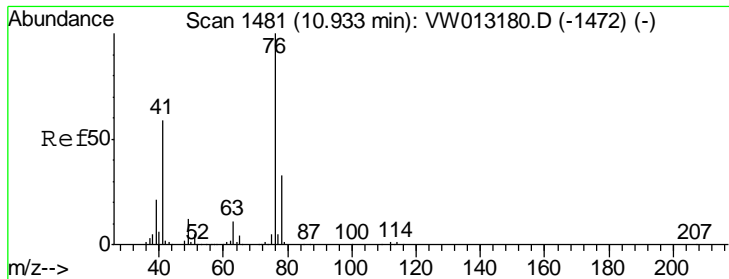
MMDadoda
 9/24/2019 5:28:48 AM



#56
 Ethyl methacrylate
 Concen: 116.582 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
69	357002		
69	100		
41	66.8	53.9	80.9
39	29.4	23.8	35.6





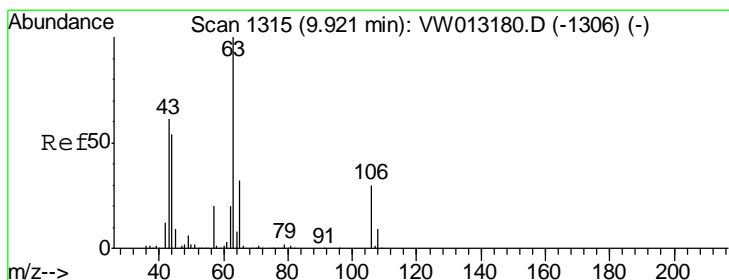
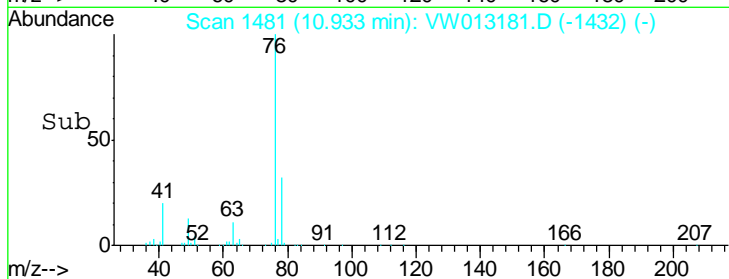
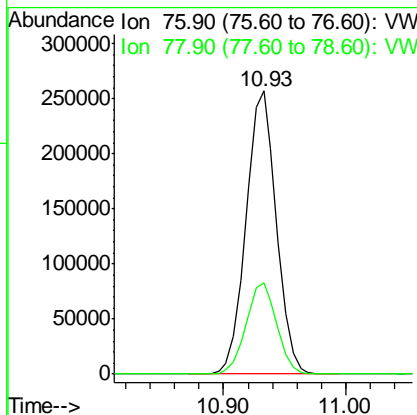
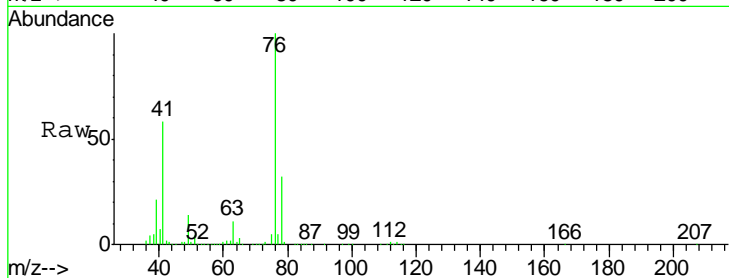
#57
 1,3-Dichloropropane
 Concen: 108.926 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	441021		
76	100		
78	32.7	25.5	38.3

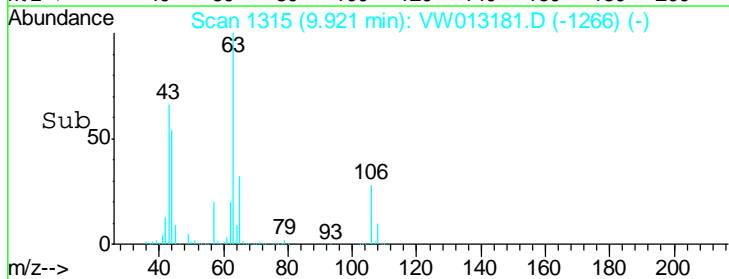
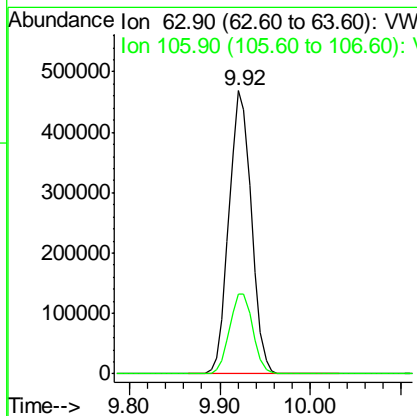
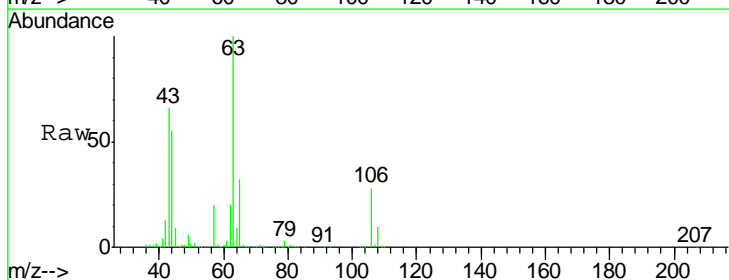
Manual Integrations
APPROVED

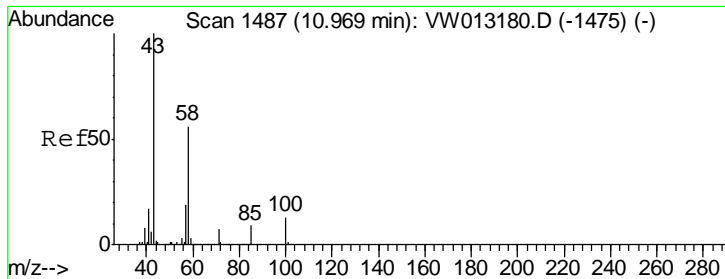
MMDadoda
 9/24/2019 5:28:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 496.115 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
63	803707		
63	100		
106	29.3	23.4	35.0





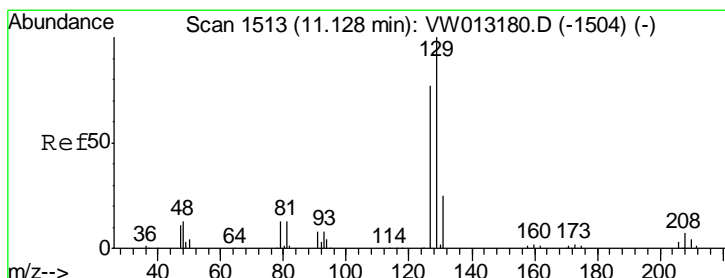
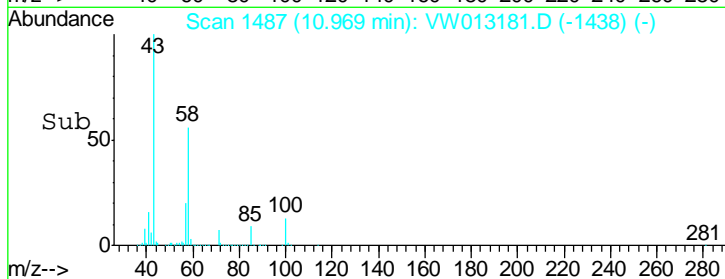
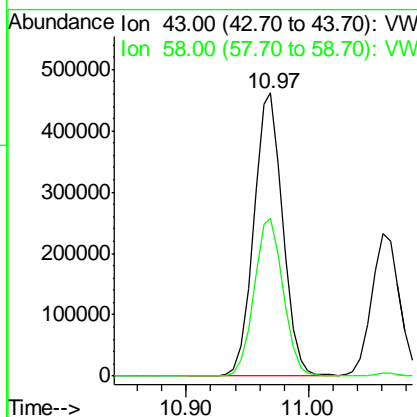
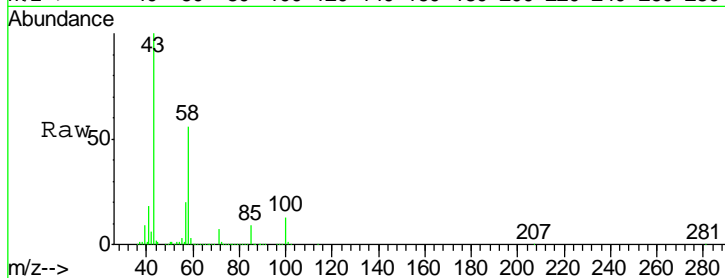
#59
 2-Hexanone
 Concen: 508.676 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.9	28.1	84.2

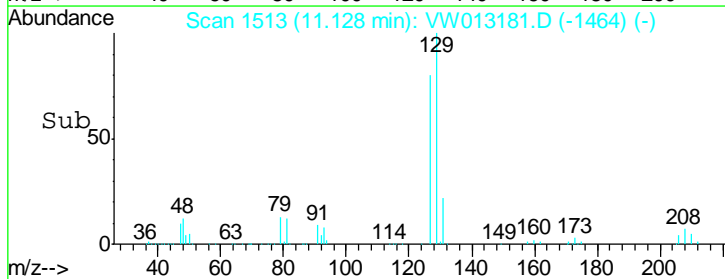
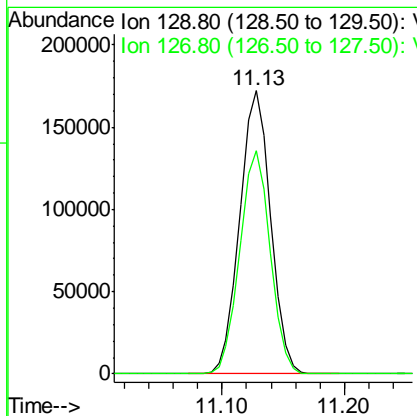
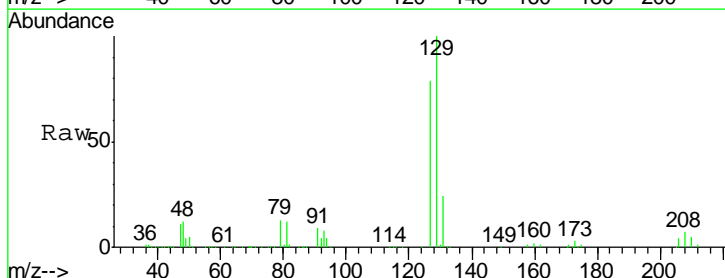
Manual Integrations
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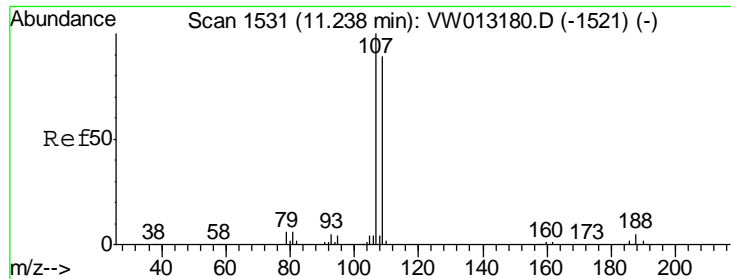
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 9/24/2019 5:28:48 AM



#60
 Dibromochloromethane
 Concen: 110.407 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.6	38.8	116.4





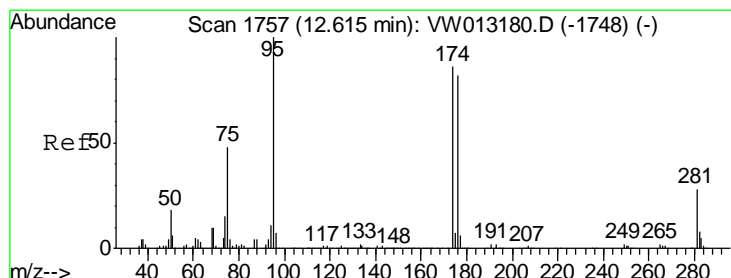
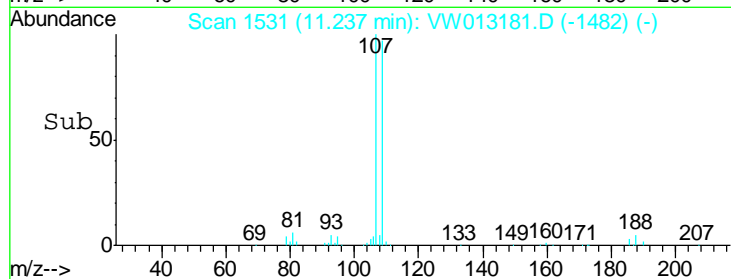
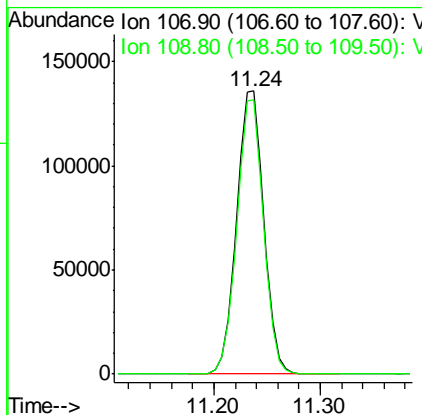
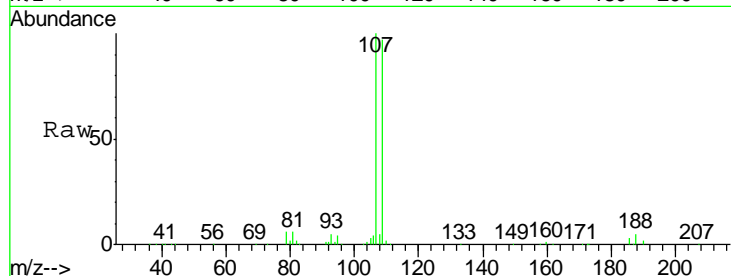
#61
 1,2-Dibromoethane
 Concen: 116.245 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.3	75.2	112.8

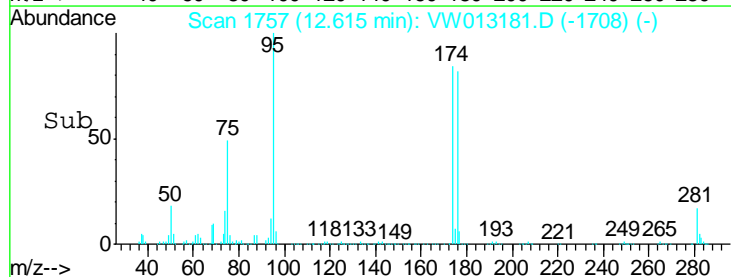
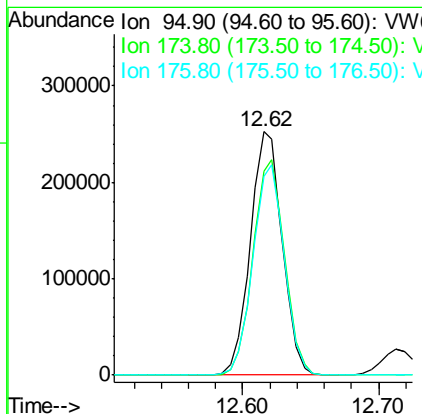
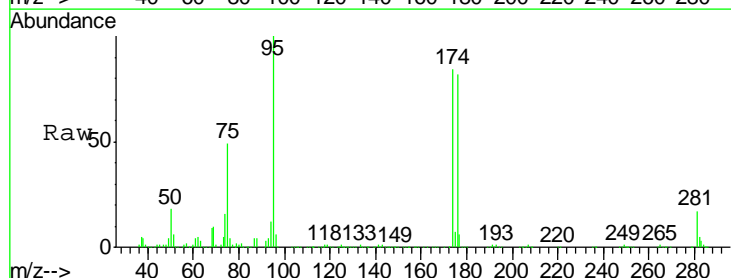
Manual Integrations
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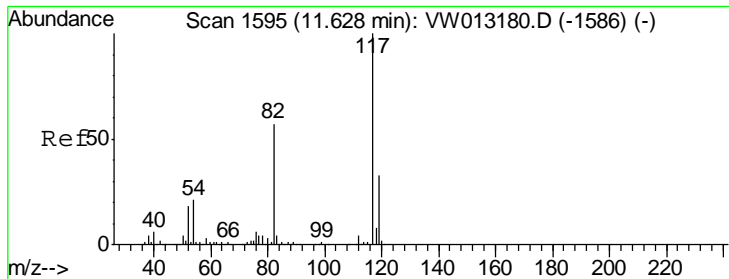
MMDadoda
 9/24/2019 5:28:48 AM



#62
 4-Bromofluorobenzene
 Concen: 103.711 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
95	100		
174	87.9	0.0	178.4
176	85.5	0.0	172.2





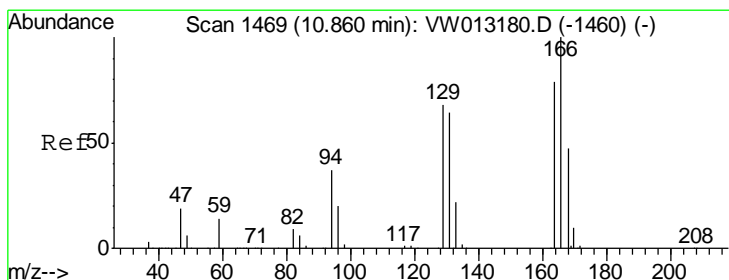
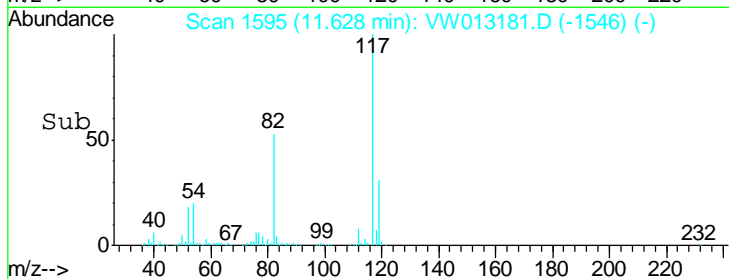
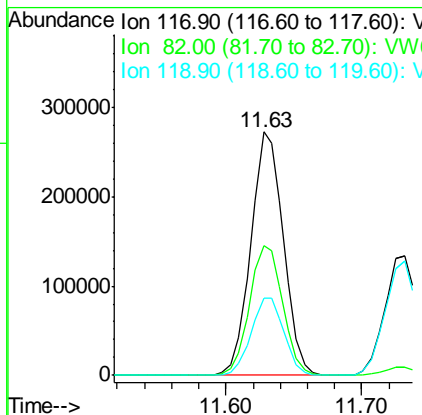
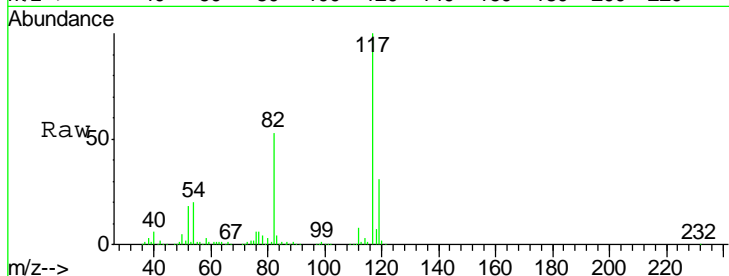
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
117	457092		
82	53.4	45.9	68.9
119	31.5	26.2	39.2

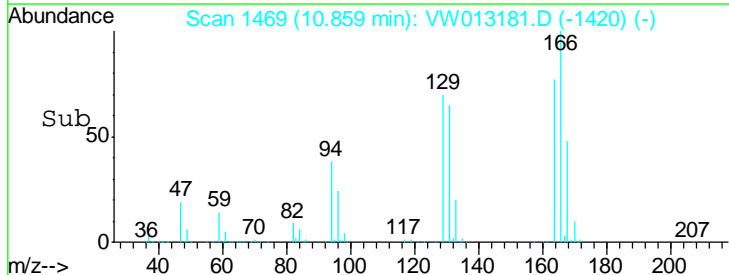
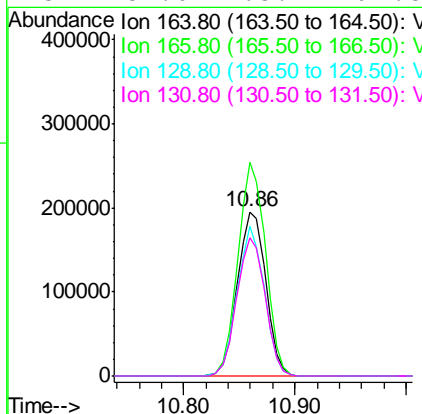
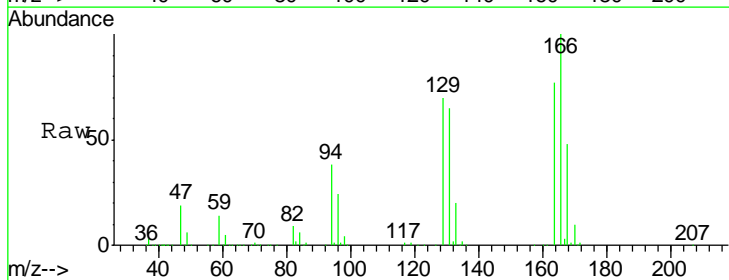
Manual Integrations
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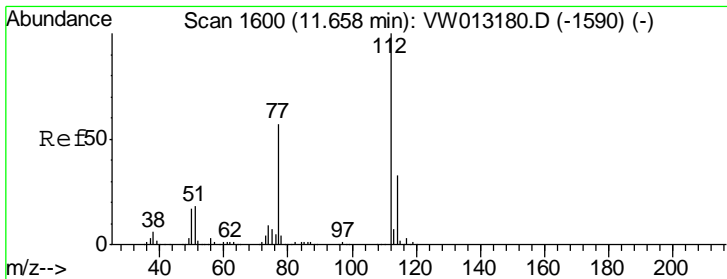
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#64
 Tetrachloroethene
 Concen: 121.052 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
164	343861		
166	130.1	101.2	151.8
129	91.1	68.8	103.2
131	84.0	65.2	97.8





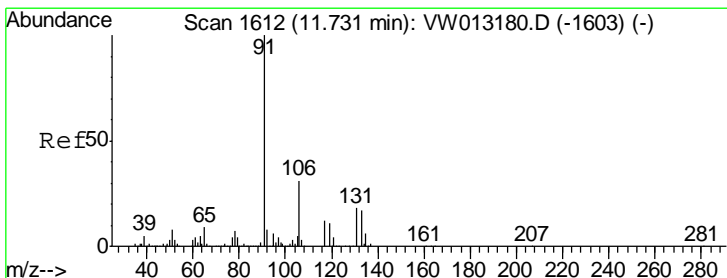
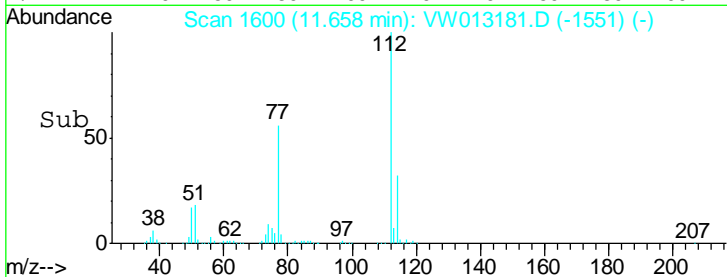
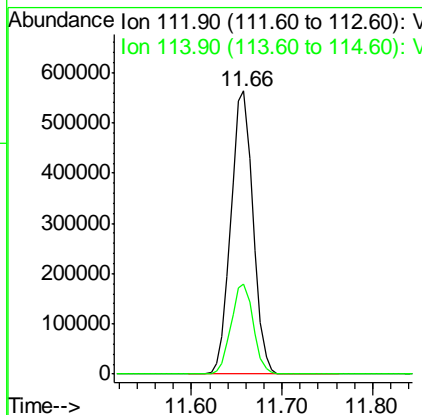
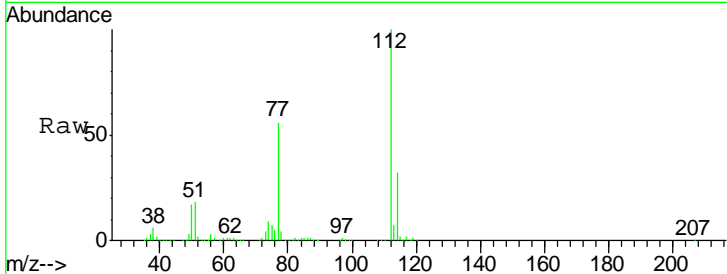
#65
 Chlorobenzene
 Concen: 114.089 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.7	26.5	39.7

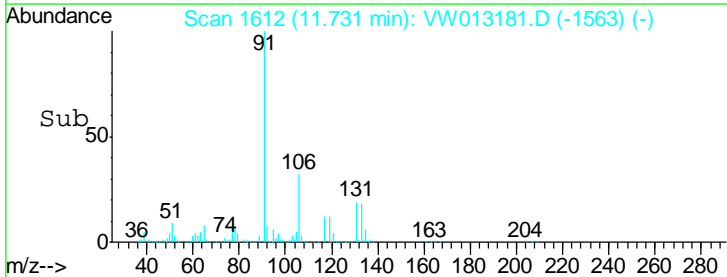
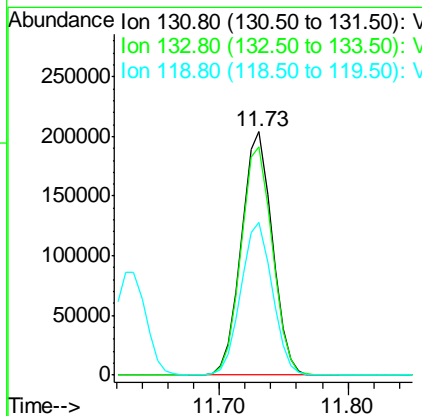
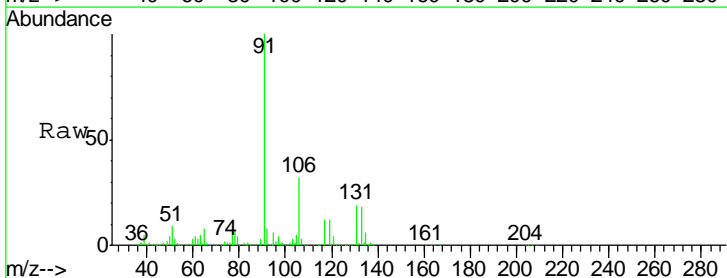
Manual Integrations
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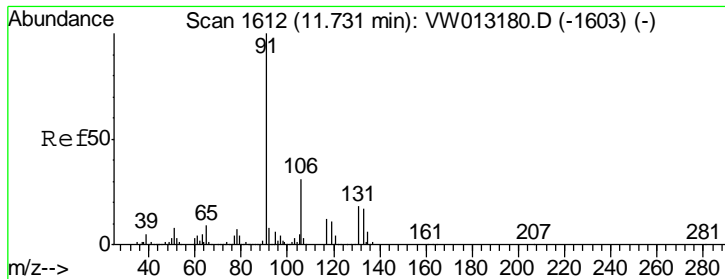
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 9/24/2019 5:28:48 AM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 107.917 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.8	47.5	142.6
119	64.0	32.5	97.5





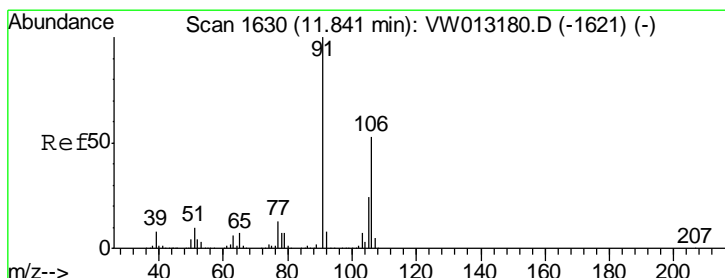
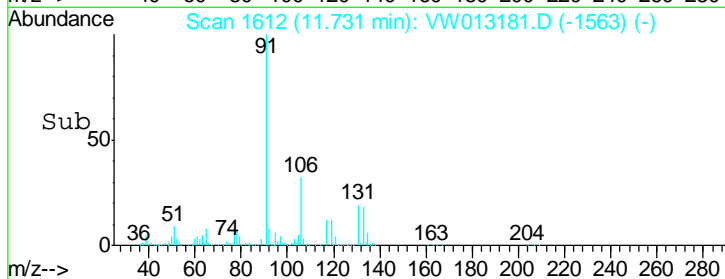
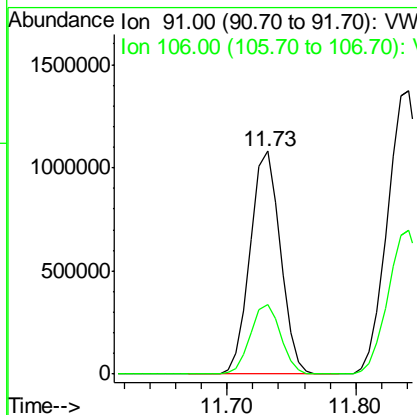
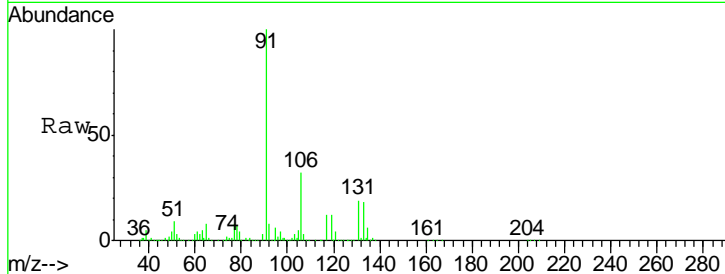
#67
 Ethyl Benzene
 Concen: 113.632 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.5	24.9	37.3

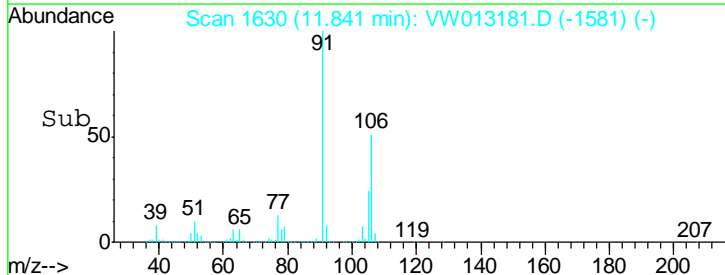
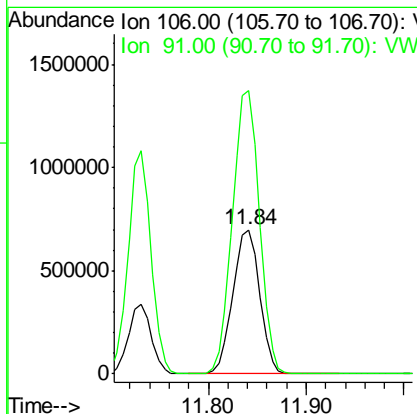
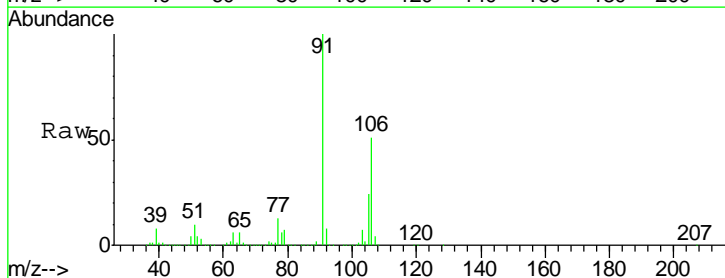
Manual Integrations
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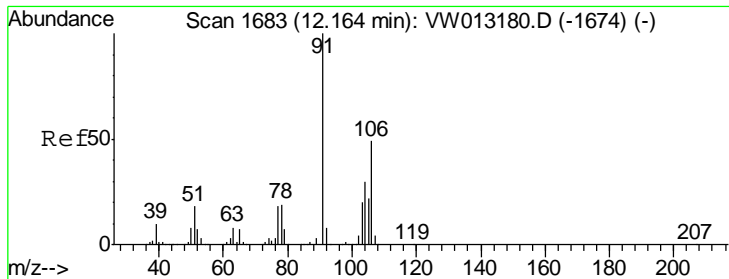
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#68
 m/p-Xylenes
 Concen: 234.773 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
106	100		
91	197.3	157.9	236.9





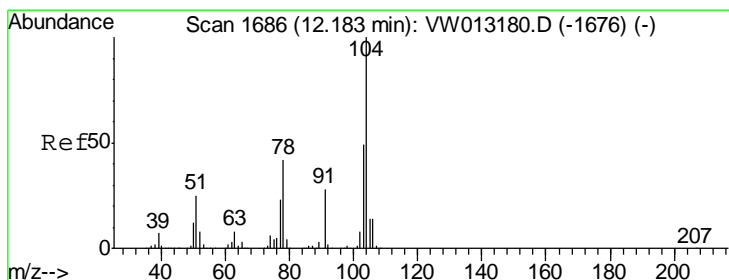
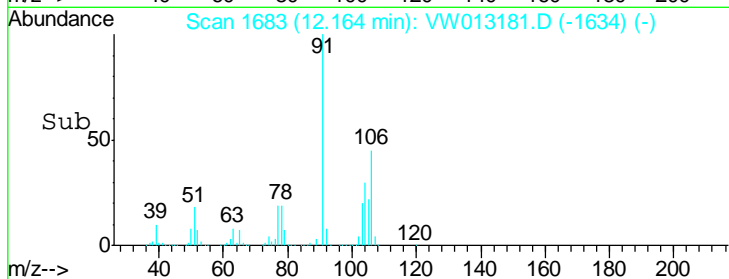
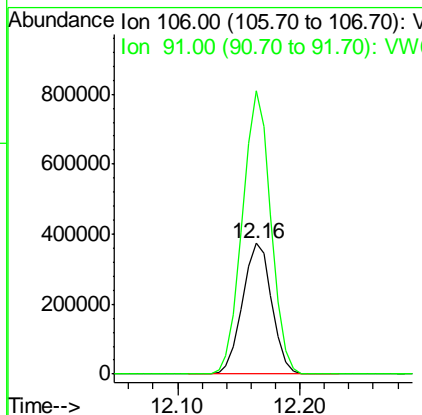
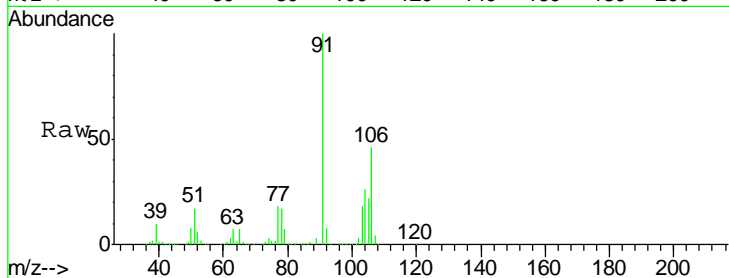
#69
 o-Xylene
 Concen: 117.192 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
106	620290		
106	100		
91	210.3	106.5	319.5

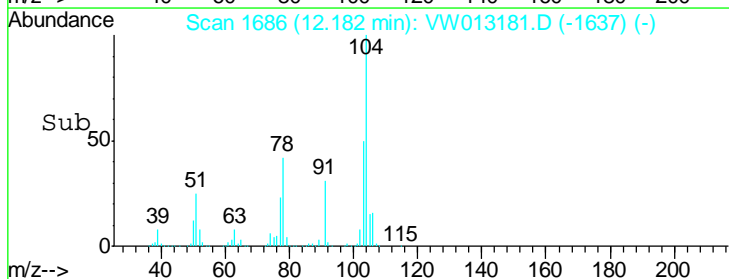
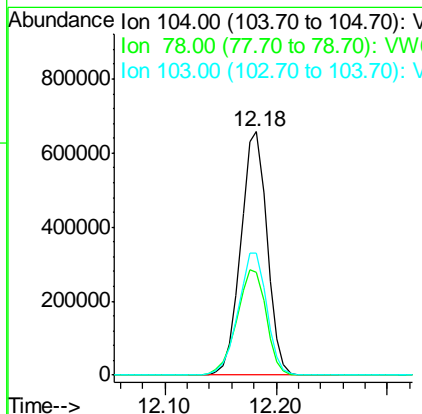
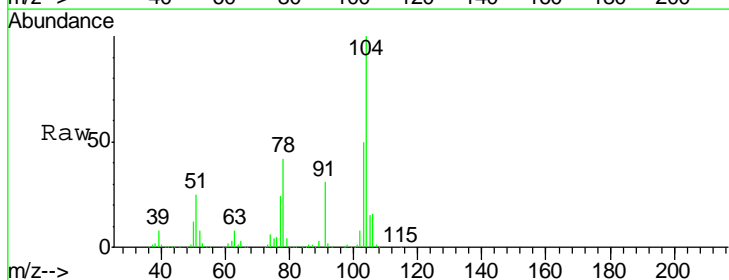
Manual Integrations
 APPROVED

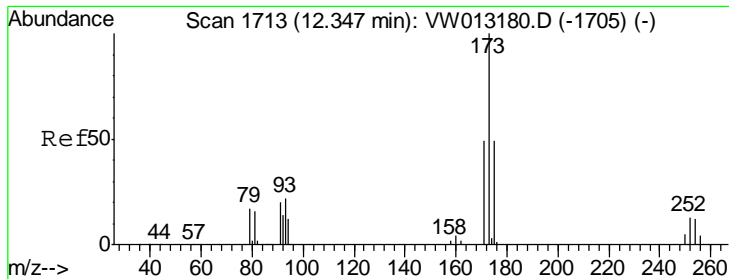
MMDadoda
 9/24/2019 5:28:48 AM



#70
 Styrene
 Concen: 114.400 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

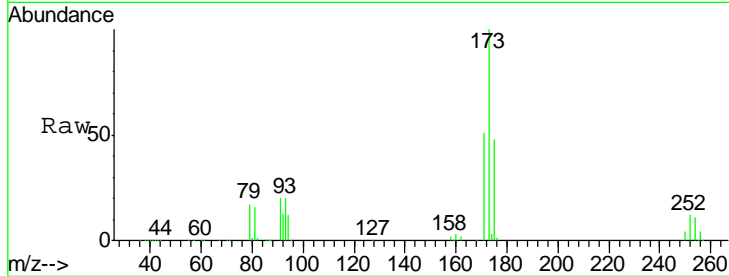
Tgt Ion	Resp	Lower	Upper
104	1073044		
104	100		
78	48.4	38.4	57.6
103	54.6	43.3	64.9





#71
 Bromoform
 Concen: 111.009 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

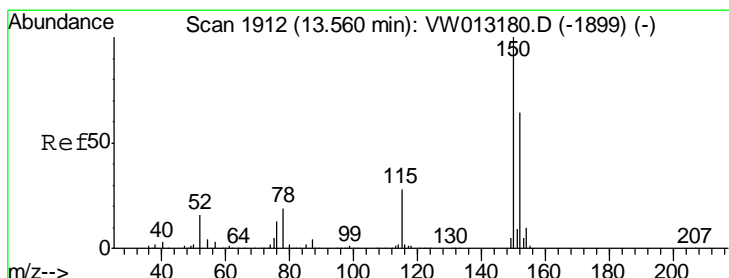
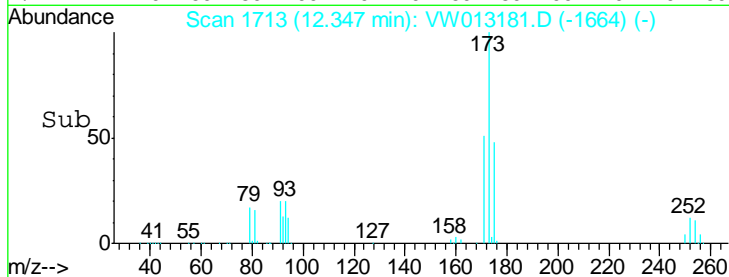
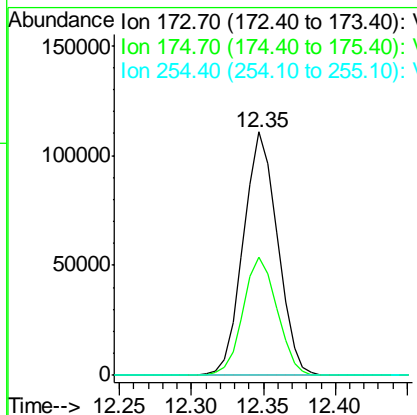
Instrument : MSVOA_W
 Client Sampled : VSTDIC100



Tgt Ion	Resp	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.2	0.1	0.1#

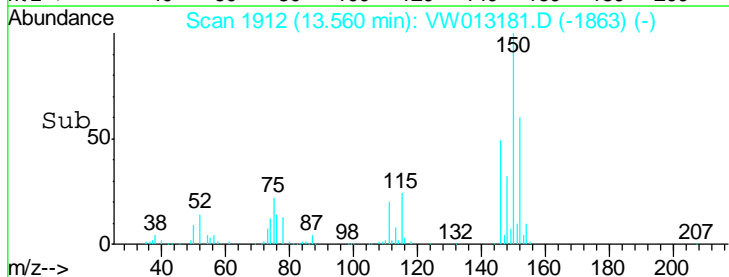
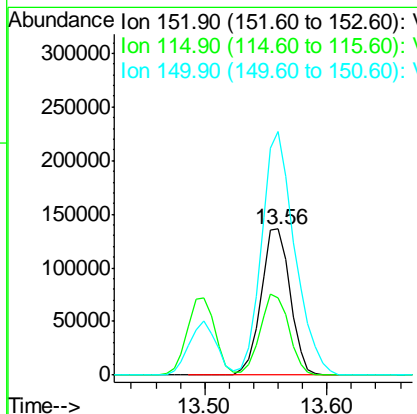
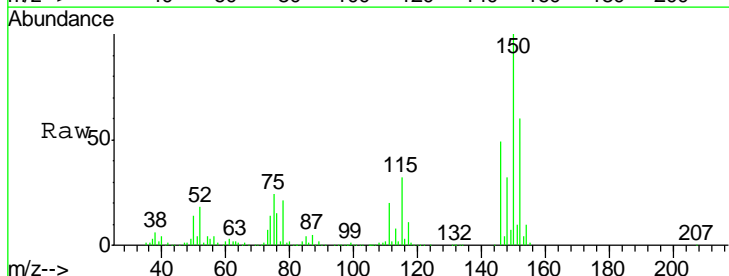
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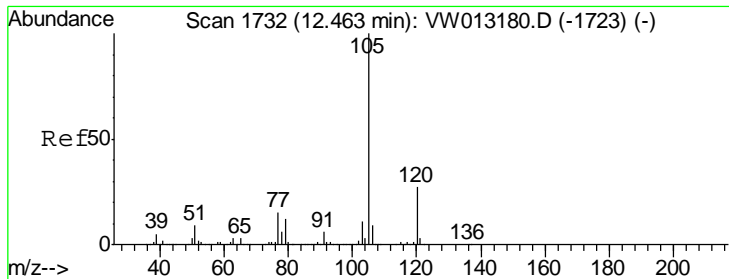
MMDadoda
 9/24/2019 5:28:48 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.8	27.3	81.9
150	188.9	0.0	349.0





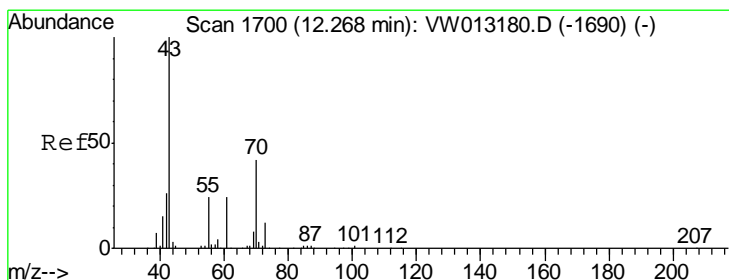
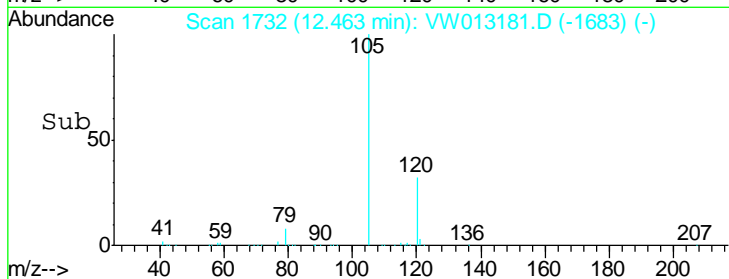
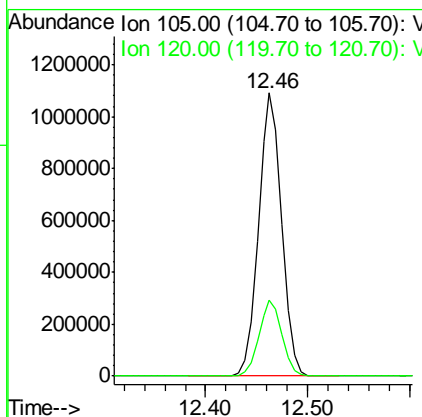
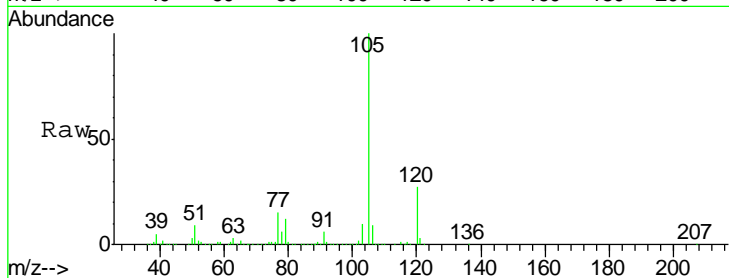
#73
 Isopropylbenzene
 Concen: 112.131 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.6	13.4	40.1

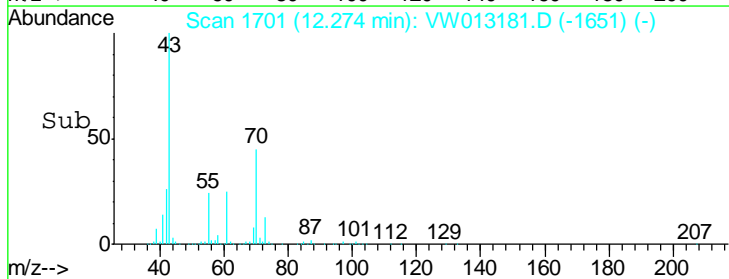
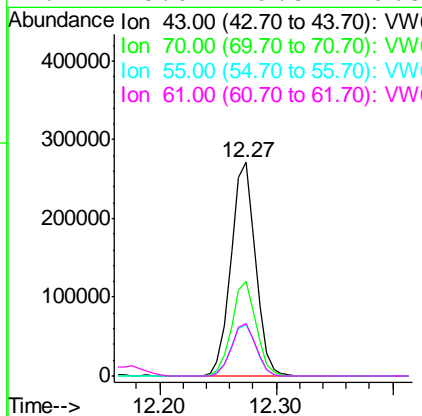
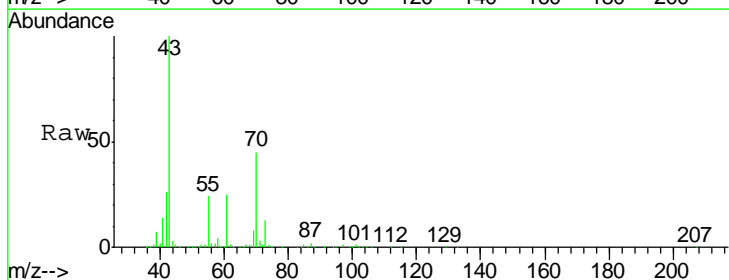
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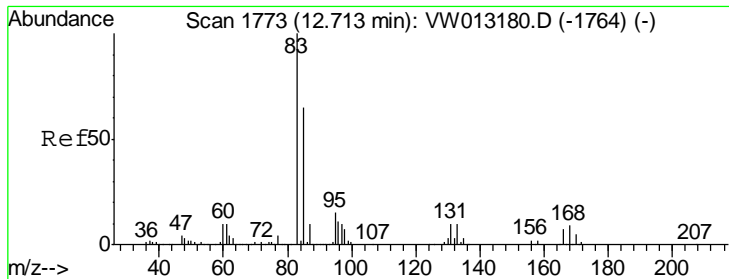
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#74
 N-nyl acetate
 Concen: 104.020 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
43	100		
70	44.1	35.1	52.7
55	24.6	19.9	29.9
61	25.0	19.5	29.3





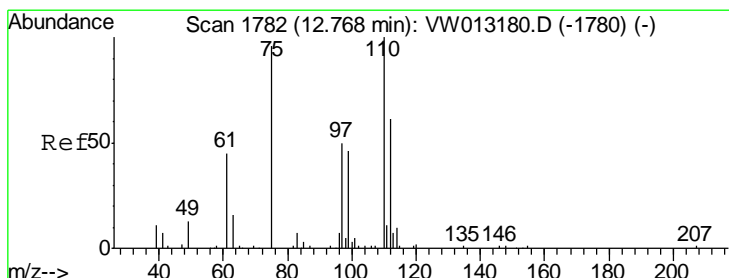
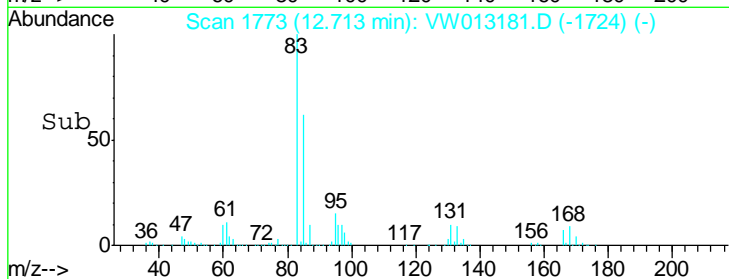
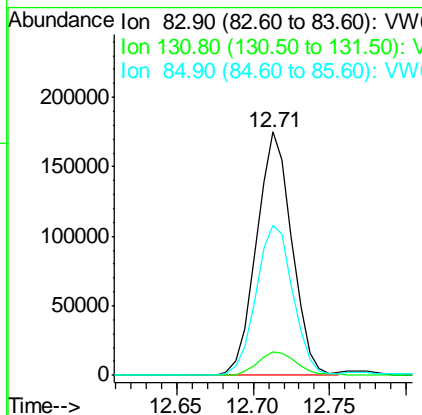
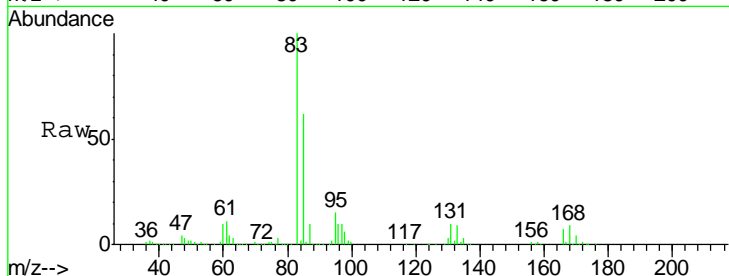
#75
 1,1,2,2-Tetrachloroethane
 Concen: 107.086 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	63.8	31.9	95.9

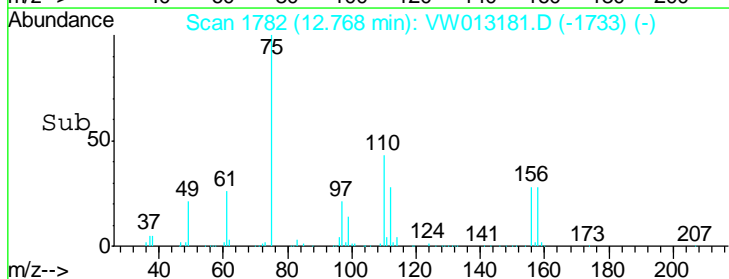
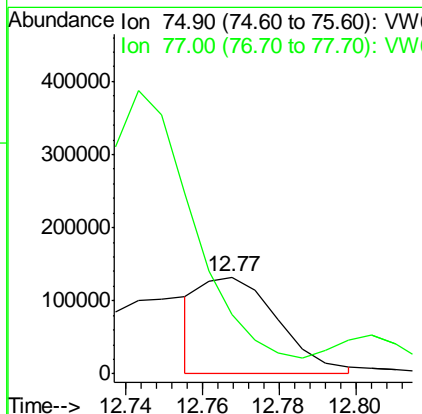
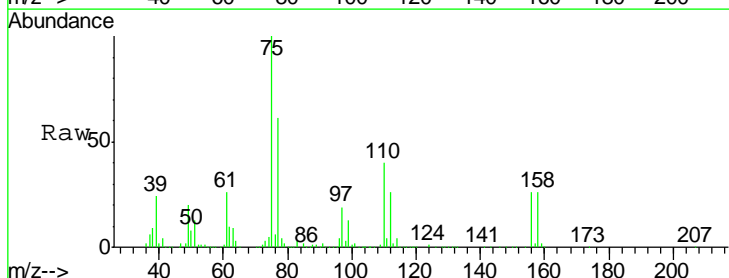
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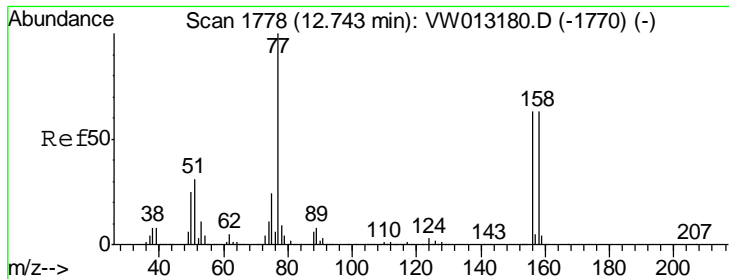
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#76
 1,2,3-Trichloropropane
 Concen: 93.291 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





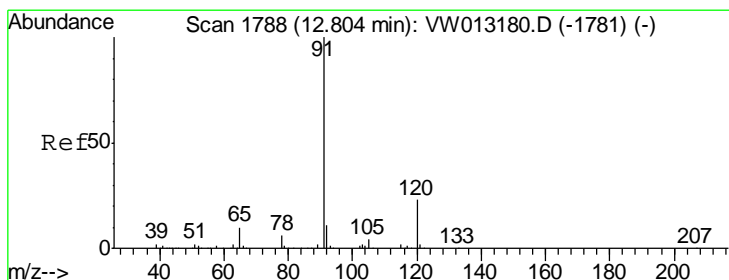
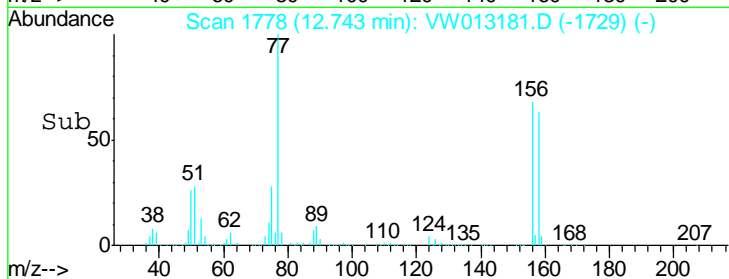
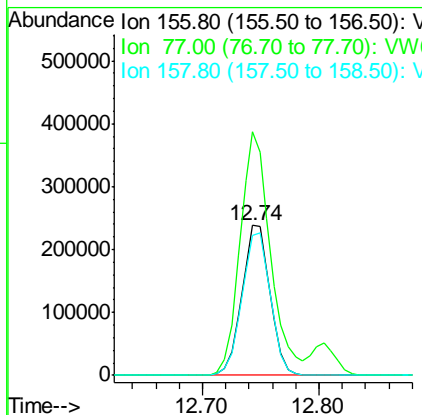
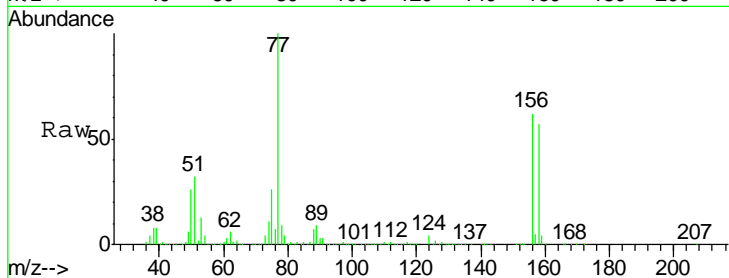
#77
 Bromobenzene
 Concen: 112.784 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
156	100		
77	174.8	85.7	257.1
158	96.2	48.1	144.4

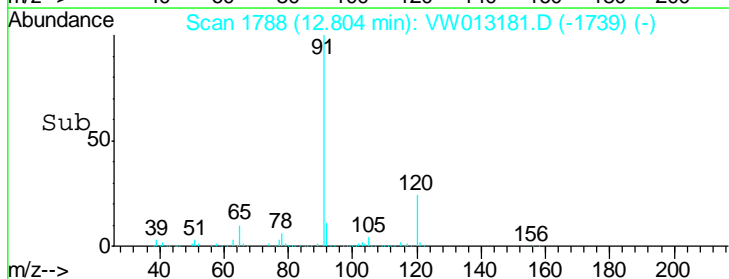
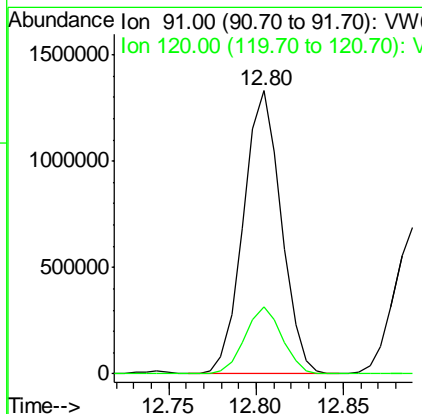
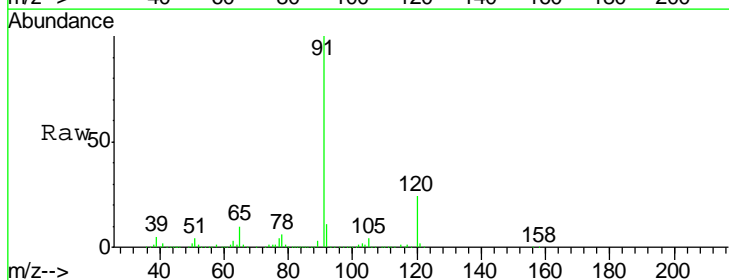
Manual Integrations
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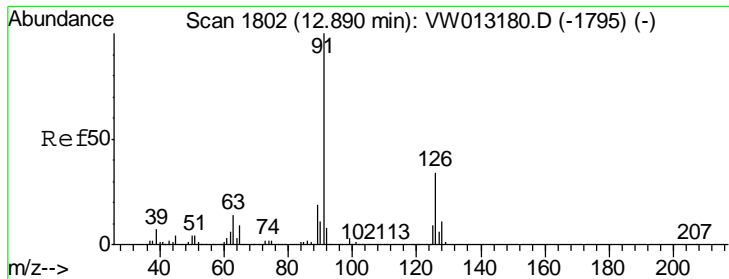
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#78
 n-propylbenzene
 Concen: 111.510 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.4	11.7	35.1





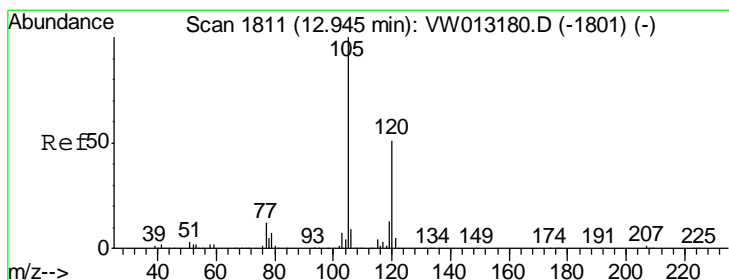
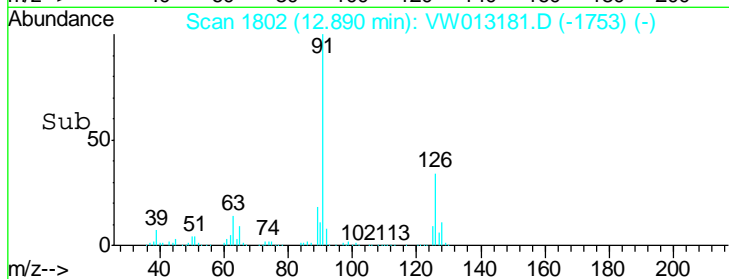
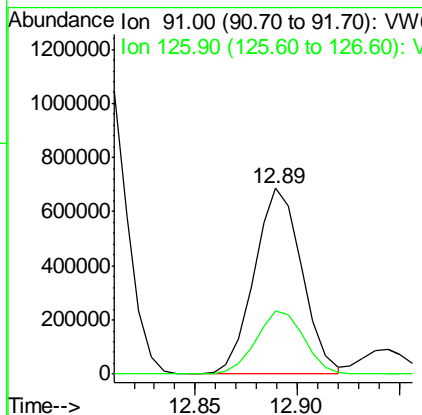
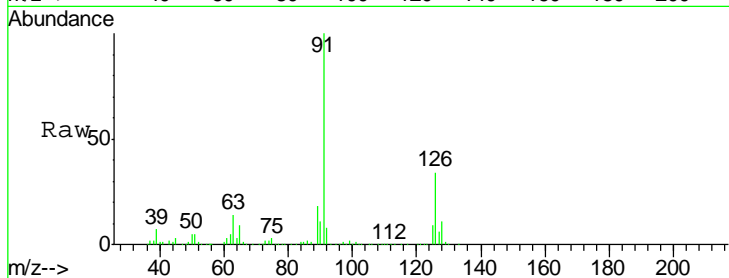
#79
 2-Chlorotoluene
 Concen: 108.108 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	1112397	100	
126	34.3	17.2	51.5

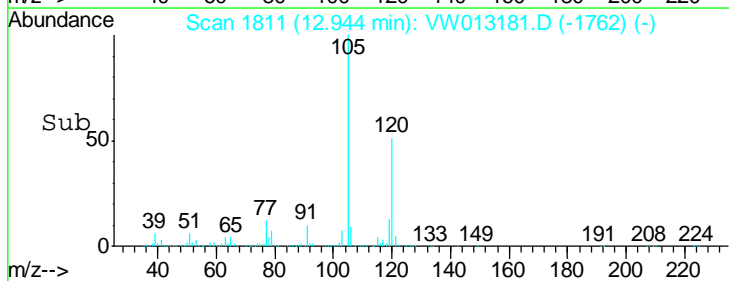
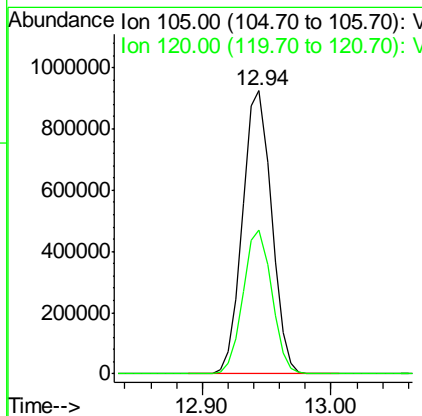
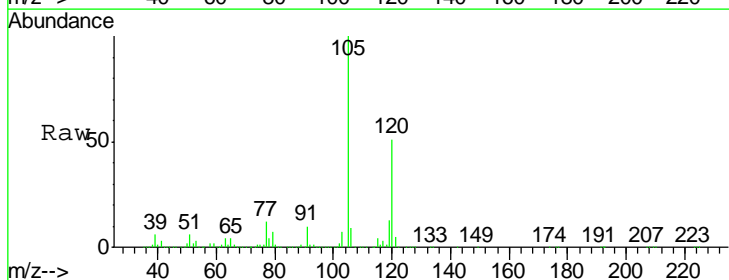
Manual Integrations
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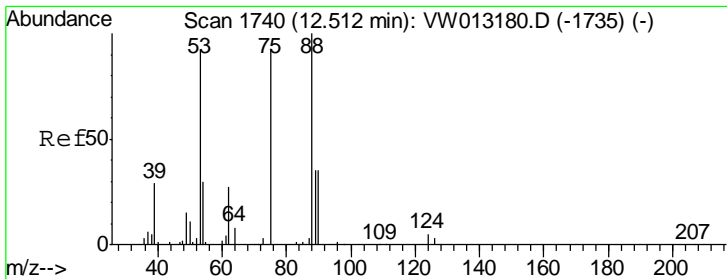
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 110.917 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
105	1435571	100	
120	50.4	24.9	74.8





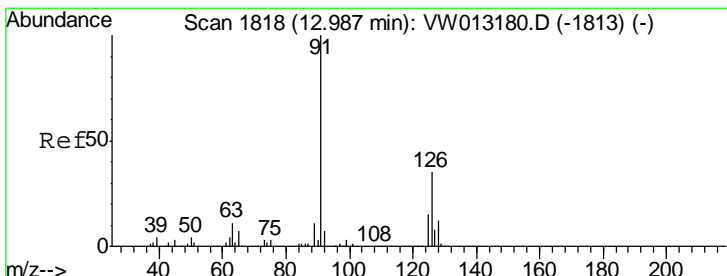
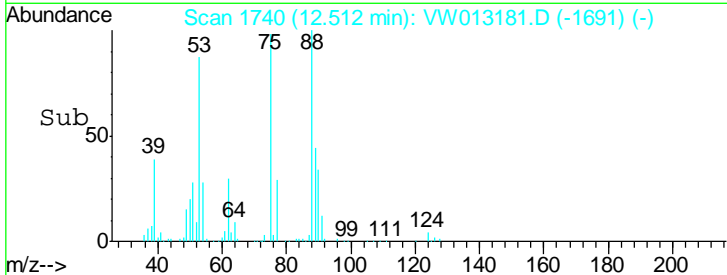
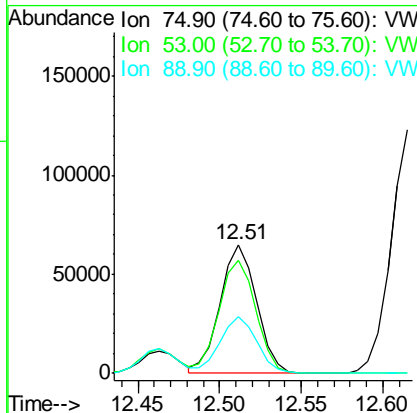
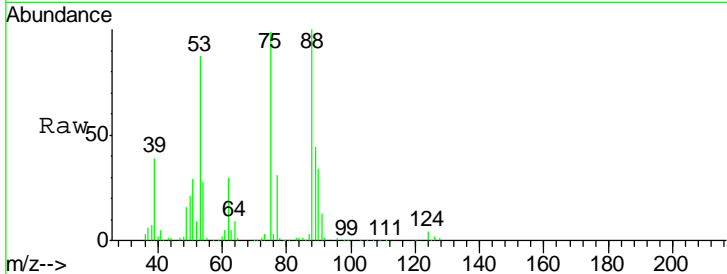
#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.127 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	99829		
75	100		
53	89.8	76.6	114.8
89	44.5	33.5	50.3

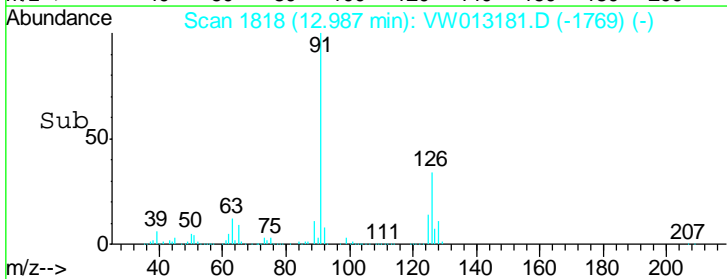
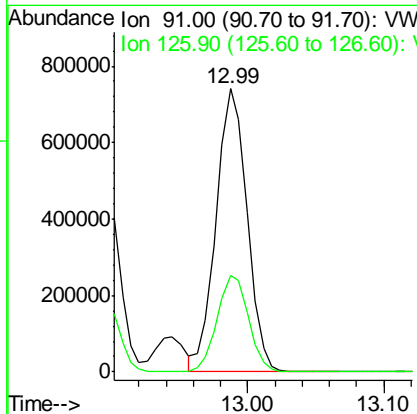
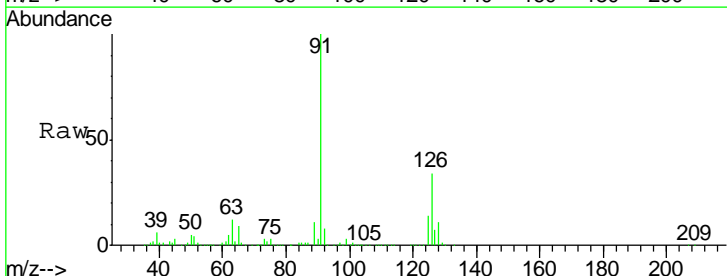
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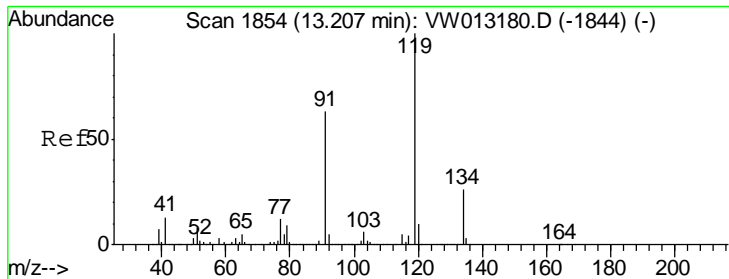
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#82
 4-Chlorotoluene
 Concen: 108.017 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
91	1166490		
91	100		
126	34.5	17.3	51.7





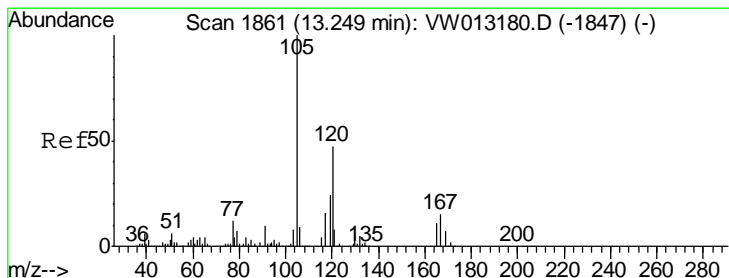
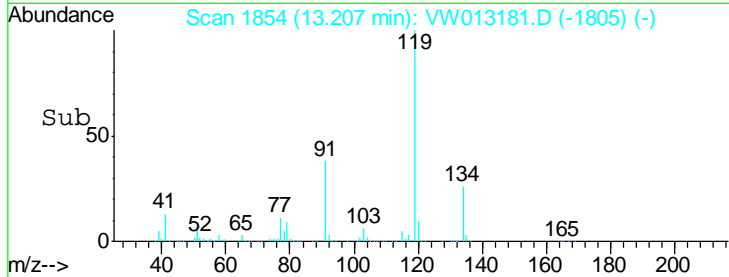
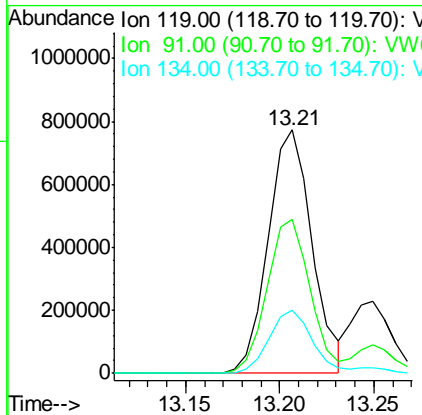
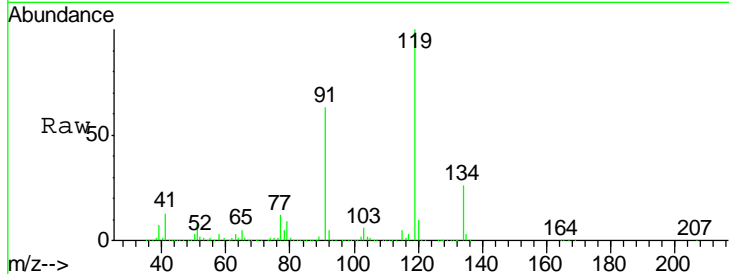
#83
 tert-Butylbenzene
 Concen: 108.512 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
119	1250377		
91	62.1	30.7	92.1
134	27.1	12.6	37.6

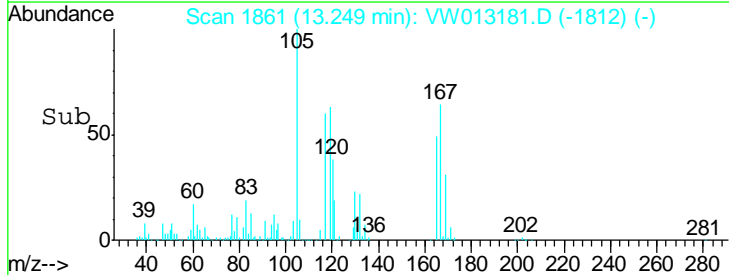
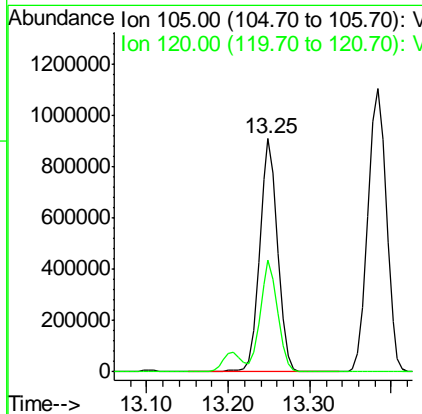
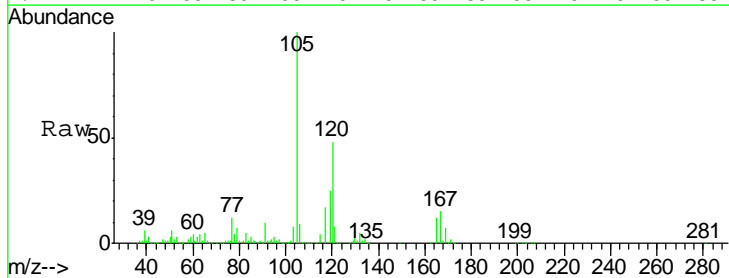
Manual Integrations
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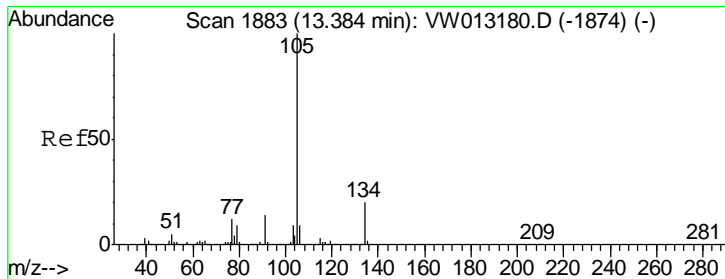
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#84
 1,2,4-Trimethylbenzene
 Concen: 110.346 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
105	1410432		
120	46.0	23.4	70.3





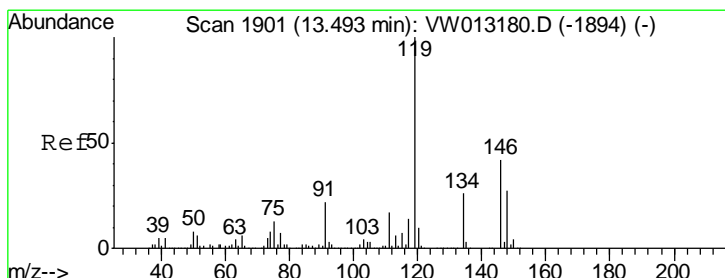
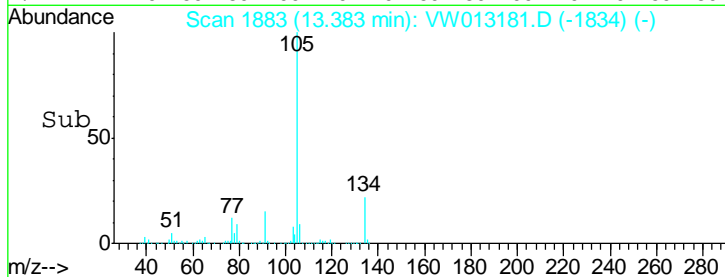
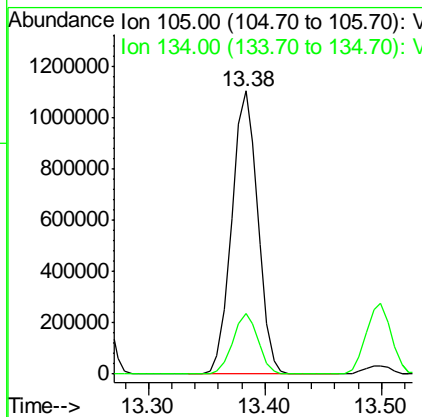
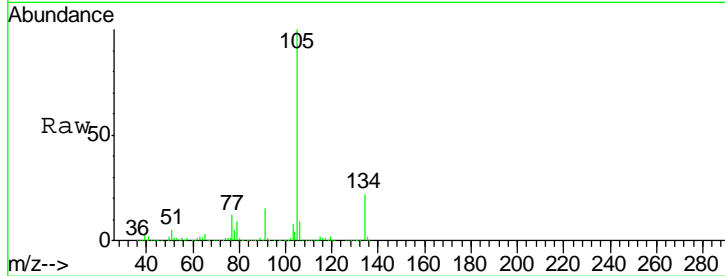
#85
 sec-Butylbenzene
 Concen: 109.222 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.9	10.3	30.8

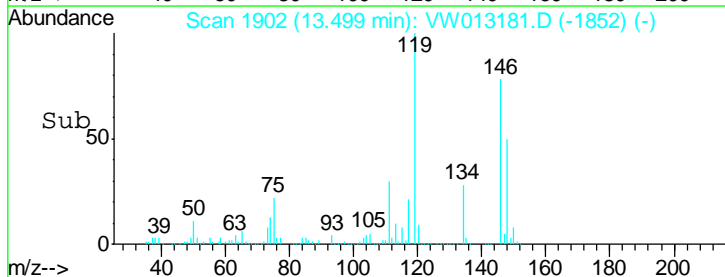
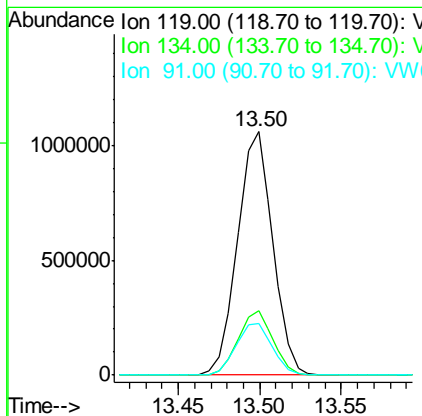
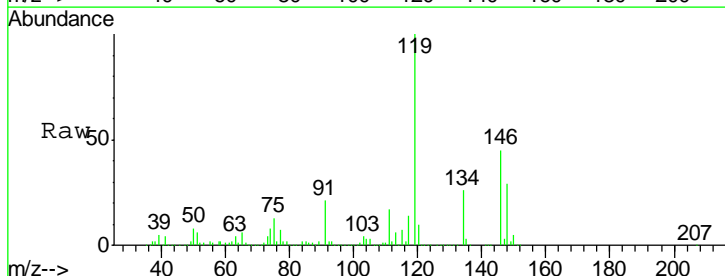
Manual Integrations
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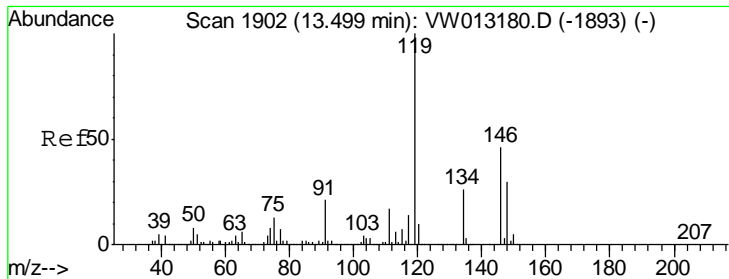
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 109.870 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.2	13.3	39.8
91	21.9	10.8	32.4





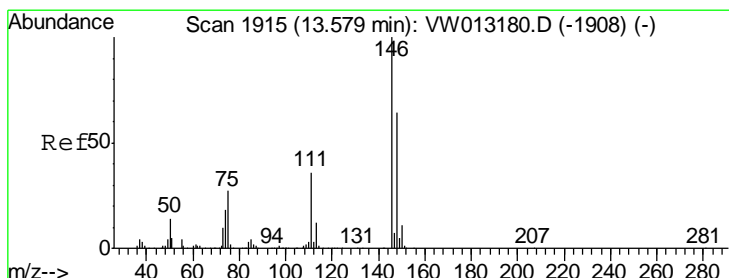
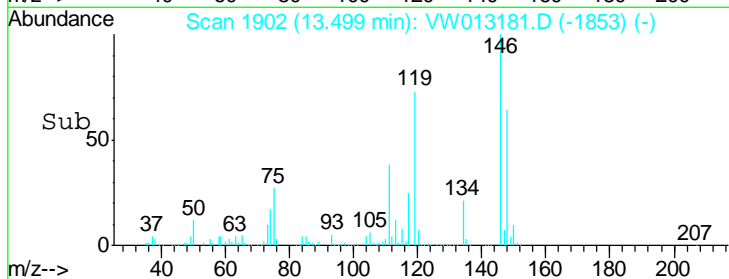
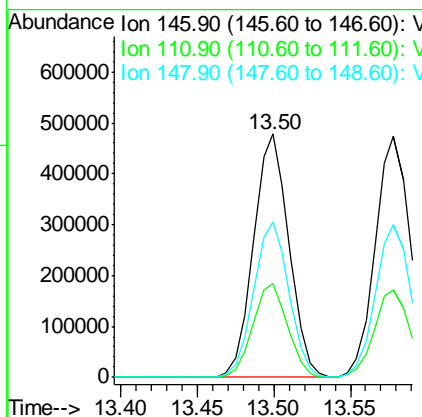
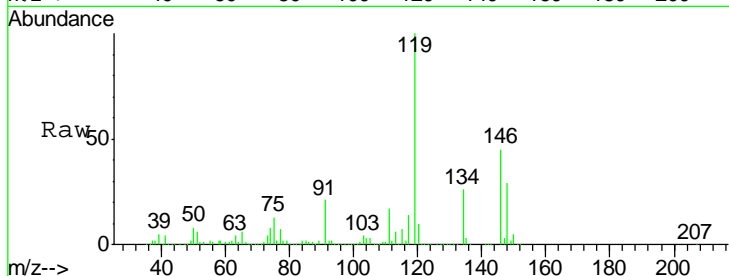
#87
 1,3-Dichlorobenzene
 Concen: 109.954 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.7	31.9	95.5

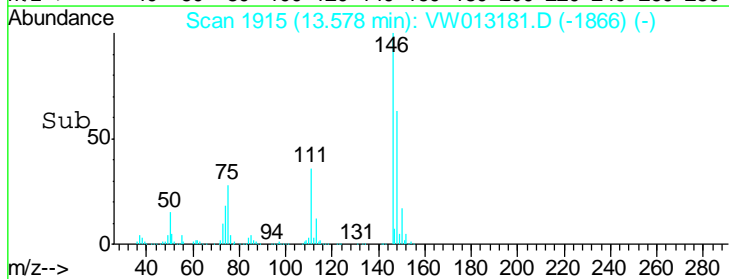
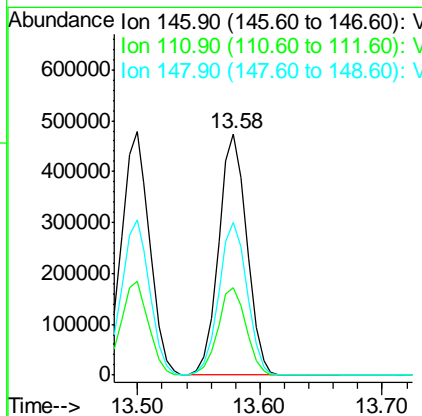
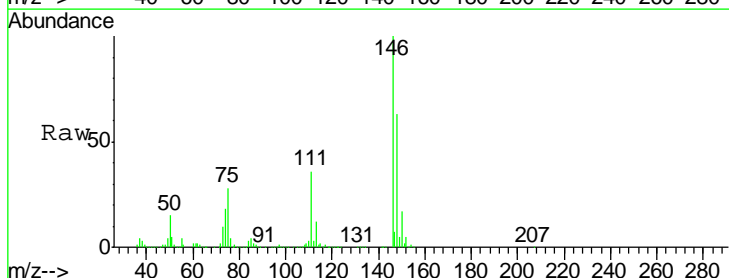
Manual Integrations
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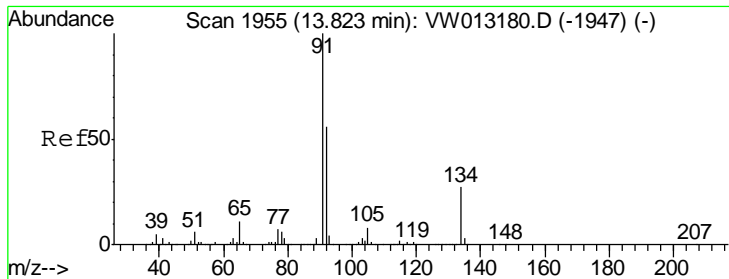
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 110.204 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
146	100		
111	36.3	18.4	55.0
148	63.6	32.1	96.3





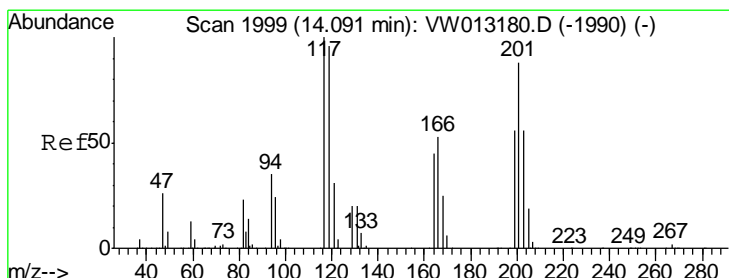
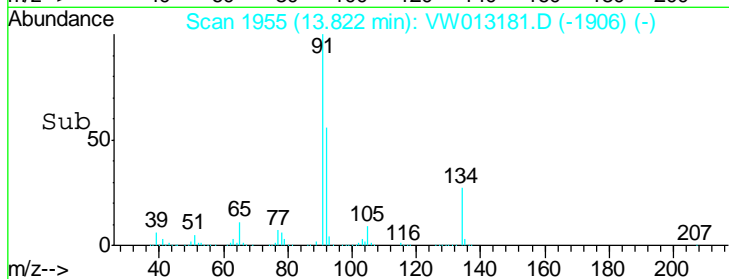
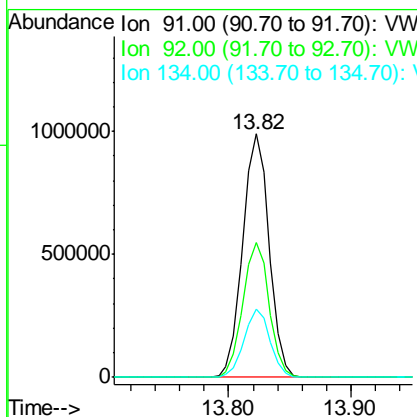
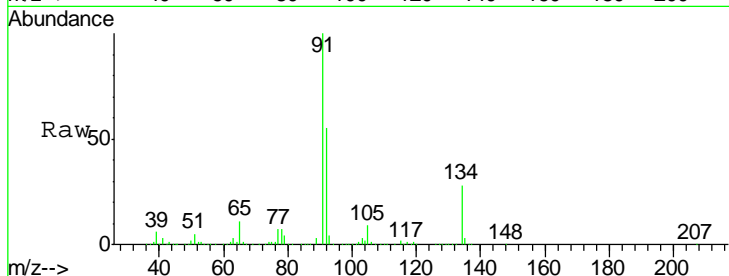
#89
 n-Butylbenzene
 Concen: 108.928 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.2	27.6	82.8
134	27.5	13.7	41.1

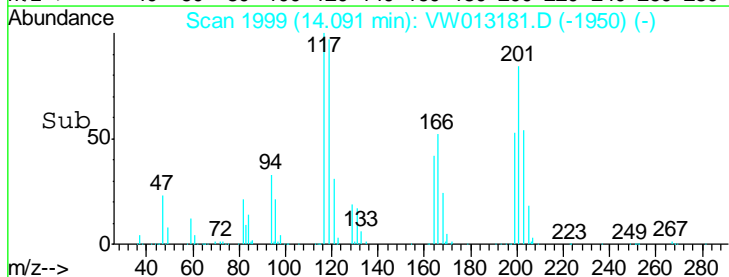
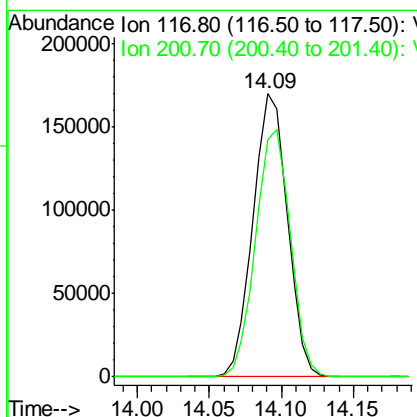
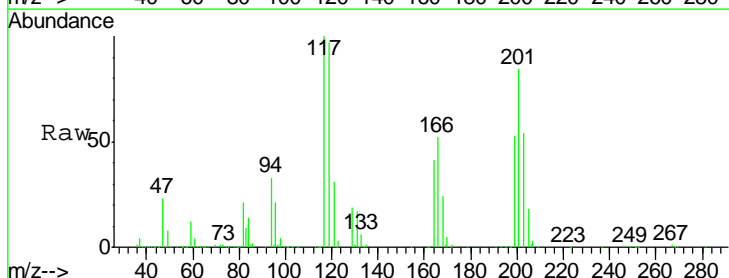
Manual Integrations
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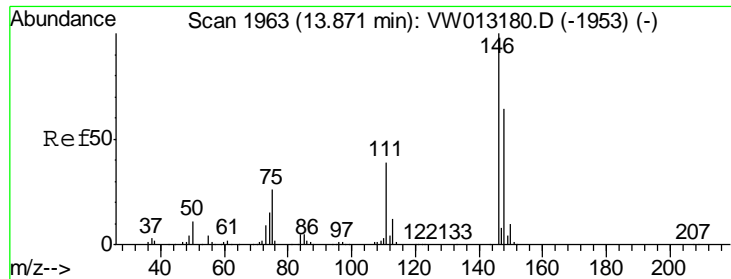
MMDadoda
 9/24/2019 5:28:48 AM



#90
 Hexachloroethane
 Concen: 109.143 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
117	100		
201	88.3	44.5	133.5





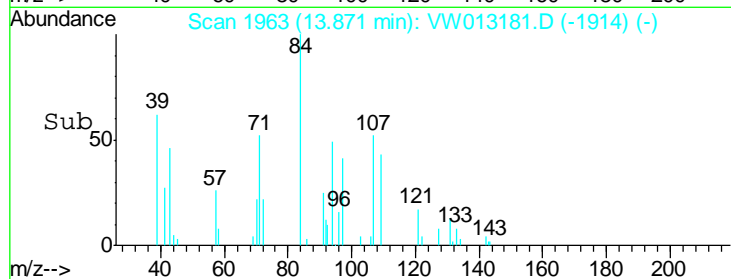
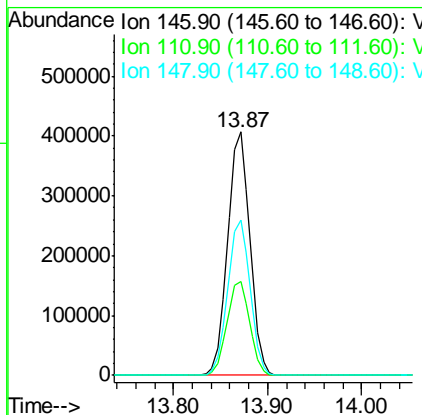
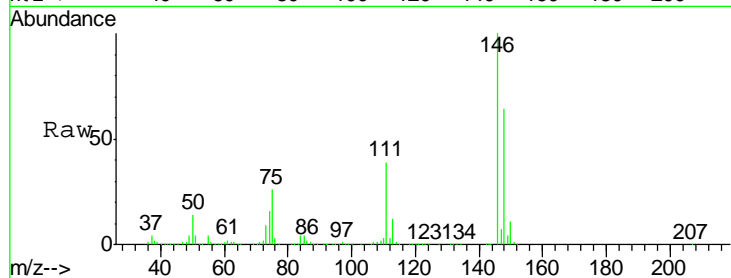
#91
 1,2-Dichlorobenzene
 Concen: 108.837 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.5	20.1	60.3
148	64.2	32.0	96.0

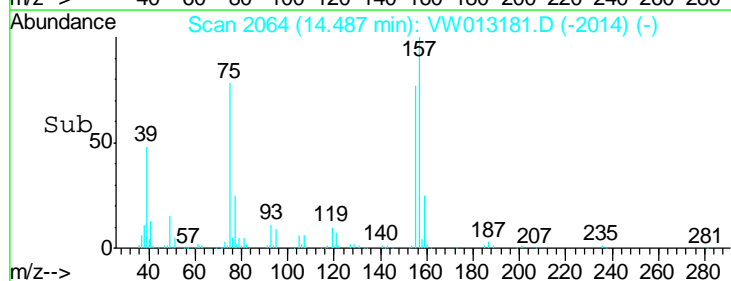
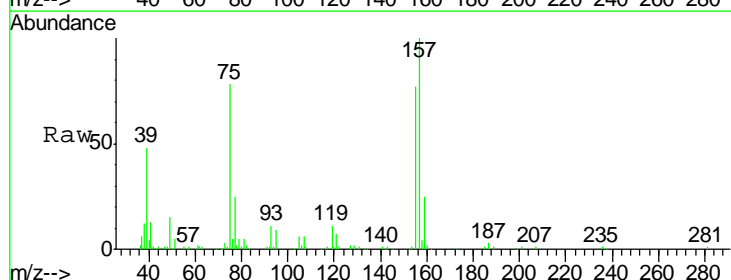
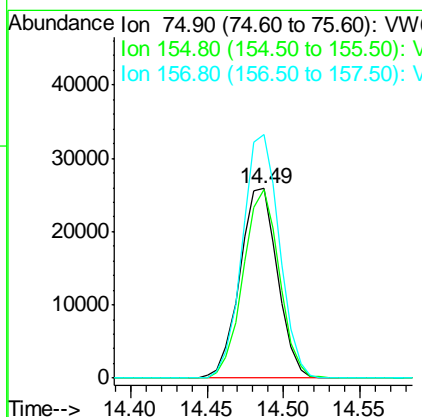
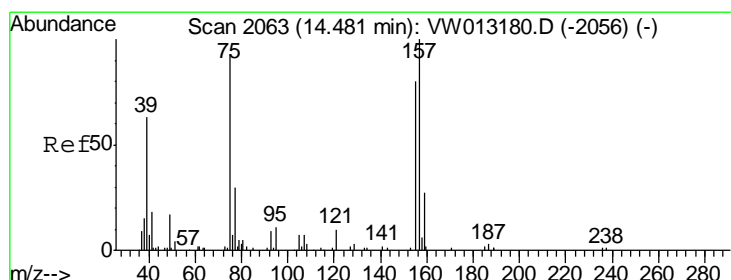
Manual Integrations
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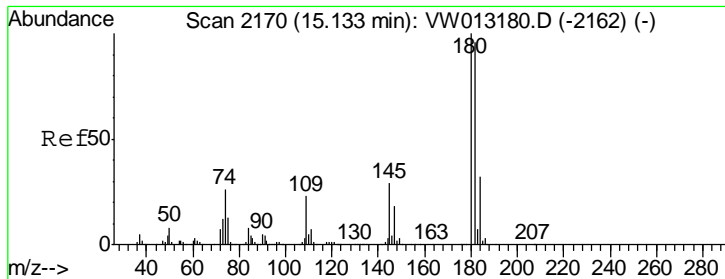
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 9/24/2019 5:28:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.336 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
75	100		
155	95.5	46.1	138.3
157	126.1	60.4	181.2





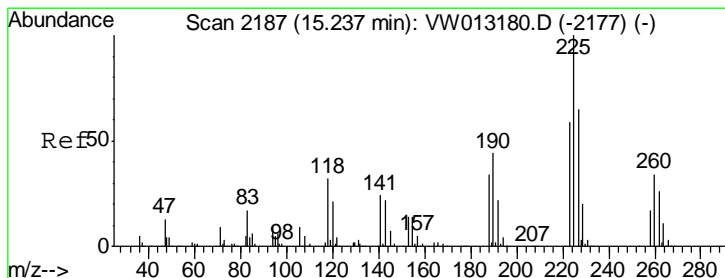
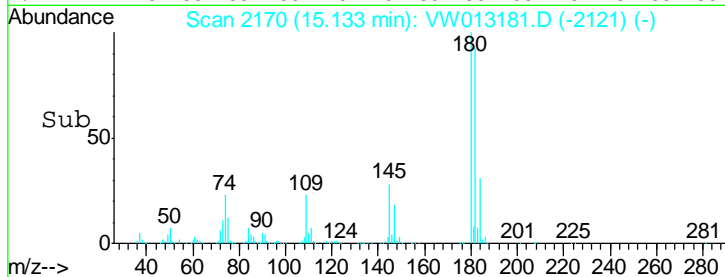
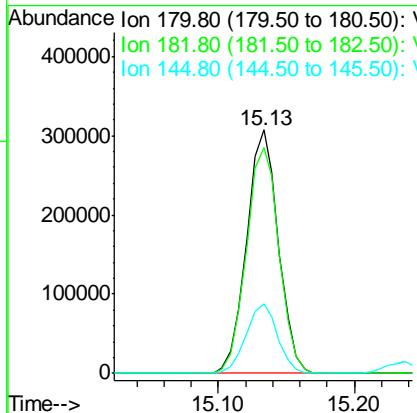
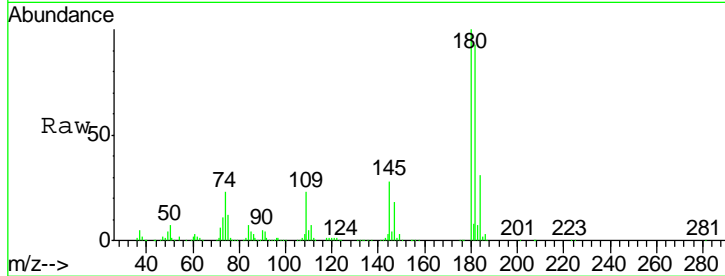
#93
 1,2,4-Trichlorobenzene
 Concen: 114.728 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	28.5	14.2	42.8

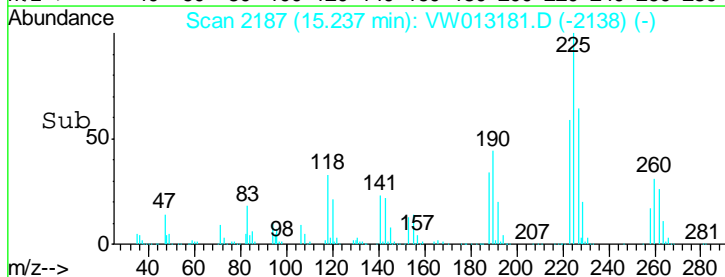
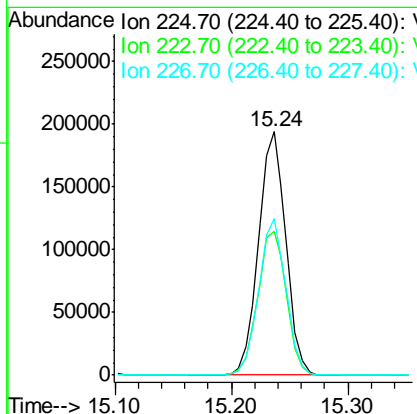
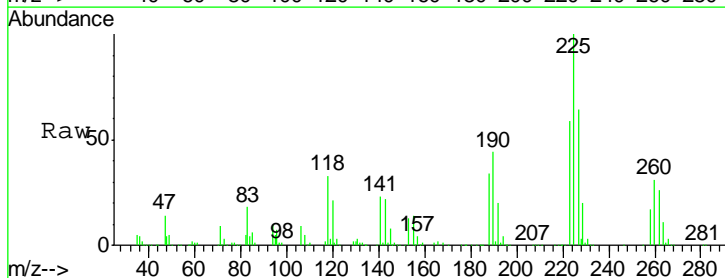
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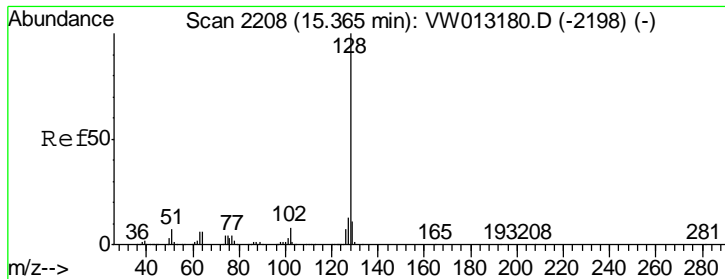
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#94
 Hexachlorobutadiene
 Concen: 102.642 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
225	100		
223	61.7	30.6	91.8
227	64.1	31.9	95.9





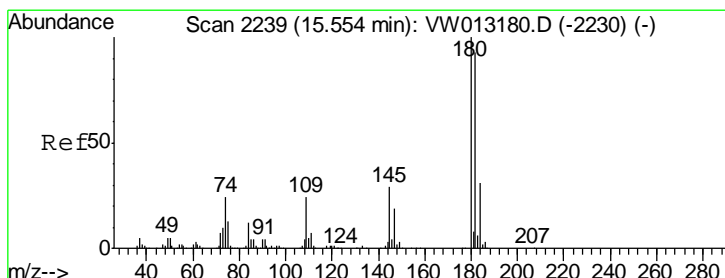
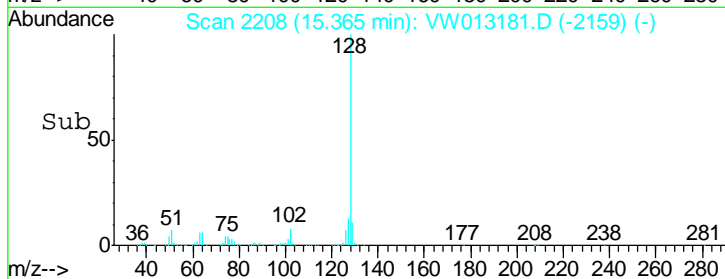
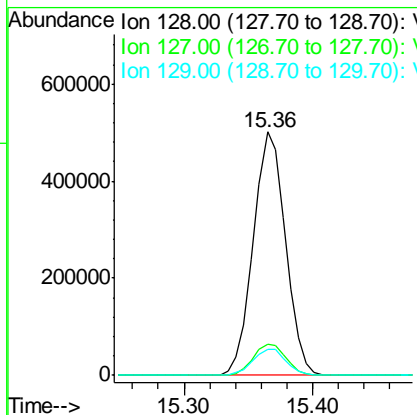
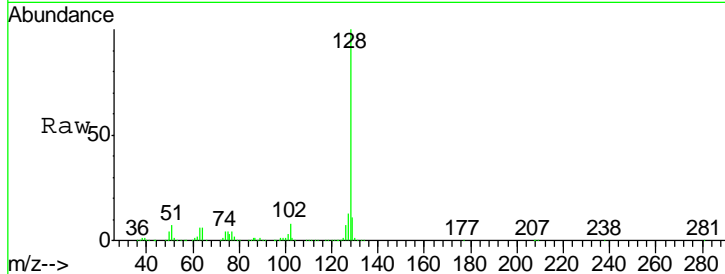
#95
 Naphthalene
 Concen: 119.052 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.7	13.1

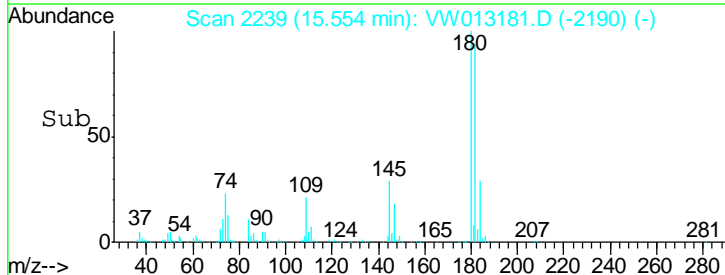
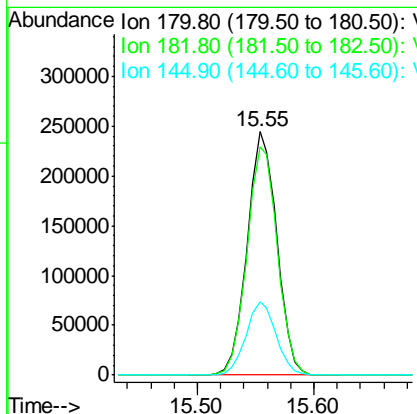
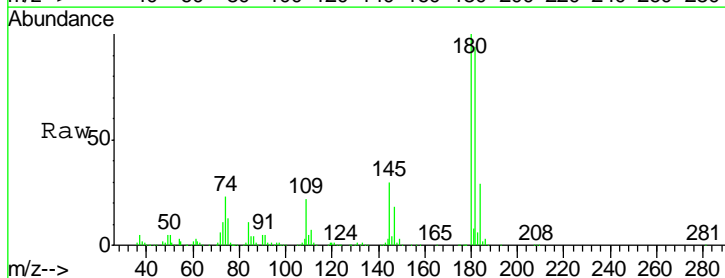
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#96
 1,2,3-Trichlorobenzene
 Concen: 112.728 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	30.6	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	518740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	453748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	424604	143.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.14%	
35) Dibromofluoromethane	7.88	113	421193	147.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.26%	
50) Toluene-d8	10.32	98	1743654	146.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.06%	
62) 4-Bromofluorobenzene	12.62	95	594727	145.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	304613	145.727	ug/l	98
3) Chloromethane	2.21	50	368548	137.159	ug/l	100
4) Vinyl Chloride	2.36	62	468698	135.301	ug/l	98
5) Bromomethane	2.76	94	306566	139.648	ug/l	93
6) Chloroethane	2.91	64	286775	140.445	ug/l	97
7) Trichlorofluoromethane	3.25	101	309541	154.965	ug/l	97
8) Diethyl Ether	3.68	74	247880	145.284	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	454964	139.900	ug/l	100
10) Methyl Iodide	4.27	142	721611	143.120	ug/l	100
11) Tert butyl alcohol	5.16	59	157534	760.594	ug/l	98
12) 1,1-Dichloroethene	4.04	96	478238	142.012	ug/l	97
13) Acrolein	3.89	56	128357	753.937	ug/l	98
14) Allyl chloride	4.66	41	789515	147.311	ug/l	99
15) Acrylonitrile	5.36	53	547038	742.833	ug/l	99
16) Acetone	4.12	43	487610	731.106	ug/l	97
17) Carbon Disulfide	4.38	76	1438428	147.780	ug/l	99
18) Methyl Acetate	4.66	43	269352	143.671	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	723924	140.262	ug/l	99
20) Methylene Chloride	4.92	84	484233	147.636	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	514660	141.399	ug/l	92
22) Diisopropyl ether	6.31	45	1470667	144.301	ug/l	98
23) Vinyl Acetate	6.25	43	4528086	748.913	ug/l	99
24) 1,1-Dichloroethane	6.21	63	884047	143.750	ug/l	99
25) 2-Butanone	7.17	43	728640	727.768	ug/l	95
26) 2,2-Dichloropropane	7.17	77	518534	147.410	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	556592	144.903	ug/l	99
28) Bromochloromethane	7.51	49	367394	155.653	ug/l	# 100
29) Tetrahydrofuran	7.52	42	462273	752.885	ug/l	99
30) Chloroform	7.67	83	848474	140.918	ug/l	98
31) Cyclohexane	7.95	56	865114	134.949	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	696770	142.882	ug/l	99
36) 1,1-Dichloropropene	8.08	75	716795	142.664	ug/l	99
37) Ethyl Acetate	7.24	43	310310	145.319	ug/l	100
38) Carbon Tetrachloride	8.07	117	661129	146.787	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Manual Integrations
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 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	937437	145.185	ug/l	98
40) Benzene	8.32	78	2014718	143.760	ug/l	100
41) Methacrylonitrile	7.48	41	201561	158.155	ug/l	94
42) 1,2-Dichloroethane	8.40	62	538293	142.883	ug/l	99
43) Isopropyl Acetate	8.42	43	612742	149.719	ug/l	98
44) Trichloroethene	9.09	130	566498	144.073	ug/l	100
45) 1,2-Dichloropropane	9.37	63	496521	145.117	ug/l	98
46) Dibromomethane	9.46	93	240497	144.779	ug/l	98
47) Bromodichloromethane	9.64	83	636710	150.635	ug/l	96
48) Methyl methacrylate	9.43	41	310963	161.586	ug/l	97
49) 1,4-Dioxane	9.45	88	72872	2922.507	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	1533608	747.477	ug/l	99
52) Toluene	10.38	92	1304717	145.263	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	675162	155.473	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	818199	154.959	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	362644	146.059	ug/l	98
56) Ethyl methacrylate	10.65	69	509675	156.852	ug/l	100
57) 1,3-Dichloropropane	10.93	76	638161	147.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1150289	764.671	ug/l	99
59) 2-Hexanone	10.97	43	1085921	769.299	ug/l	100
60) Dibromochloromethane	11.13	129	437363	155.134	ug/l	100
61) 1,2-Dibromoethane	11.23	107	348753	147.733	ug/l	100
64) Tetrachloroethene	10.86	164	485303	140.964	ug/l	98
65) Chlorobenzene	11.66	112	1358539	143.379	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	478627	147.860	ug/l	99
67) Ethyl Benzene	11.73	91	2482158	144.581	ug/l	99
68) m/p-Xylenes	11.84	106	1896284	289.860	ug/l	100
69) o-Xylene	12.16	106	881736	144.967	ug/l	98
70) Styrene	12.18	104	1529950	146.518	ug/l	100
71) Bromoform	12.35	173	261977	153.192	ug/l #	99
73) Isopropylbenzene	12.46	105	2425667	146.832	ug/l	100
74) N-amyl acetate	12.27	43	570083	155.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	401840	145.444	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	263611m	133.475	ug/l	
77) Bromobenzene	12.74	156	566219	144.636	ug/l	97
78) n-propylbenzene	12.80	91	2822734	145.974	ug/l	100
79) 2-Chlorotoluene	12.89	91	1573394	145.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	2011549	144.853	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	144729	164.437	ug/l	96
82) 4-Chlorotoluene	12.99	91	1654163	144.794	ug/l	99
83) tert-Butylbenzene	13.21	119	1757751	144.213	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1983487	143.537	ug/l	99
85) sec-Butylbenzene	13.38	105	2412563	143.569	ug/l	99
86) p-Isopropyltoluene	13.50	119	2258108	144.880	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1077676	143.036	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1061959	143.717	ug/l	99
89) n-Butylbenzene	13.82	91	2099115	147.496	ug/l	100
90) Hexachloroethane	14.09	117	396859	151.570	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	952708	146.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	64923	153.631	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampleId :
 VSTDICC150

Manual Integrations
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 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	753495	161.323	ug/l	99
94) Hexachlorobutadiene	15.24	225	464244	145.283	ug/l	99
95) Naphthalene	15.36	128	1299655	170.133	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	644426	159.676	ug/l	100

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

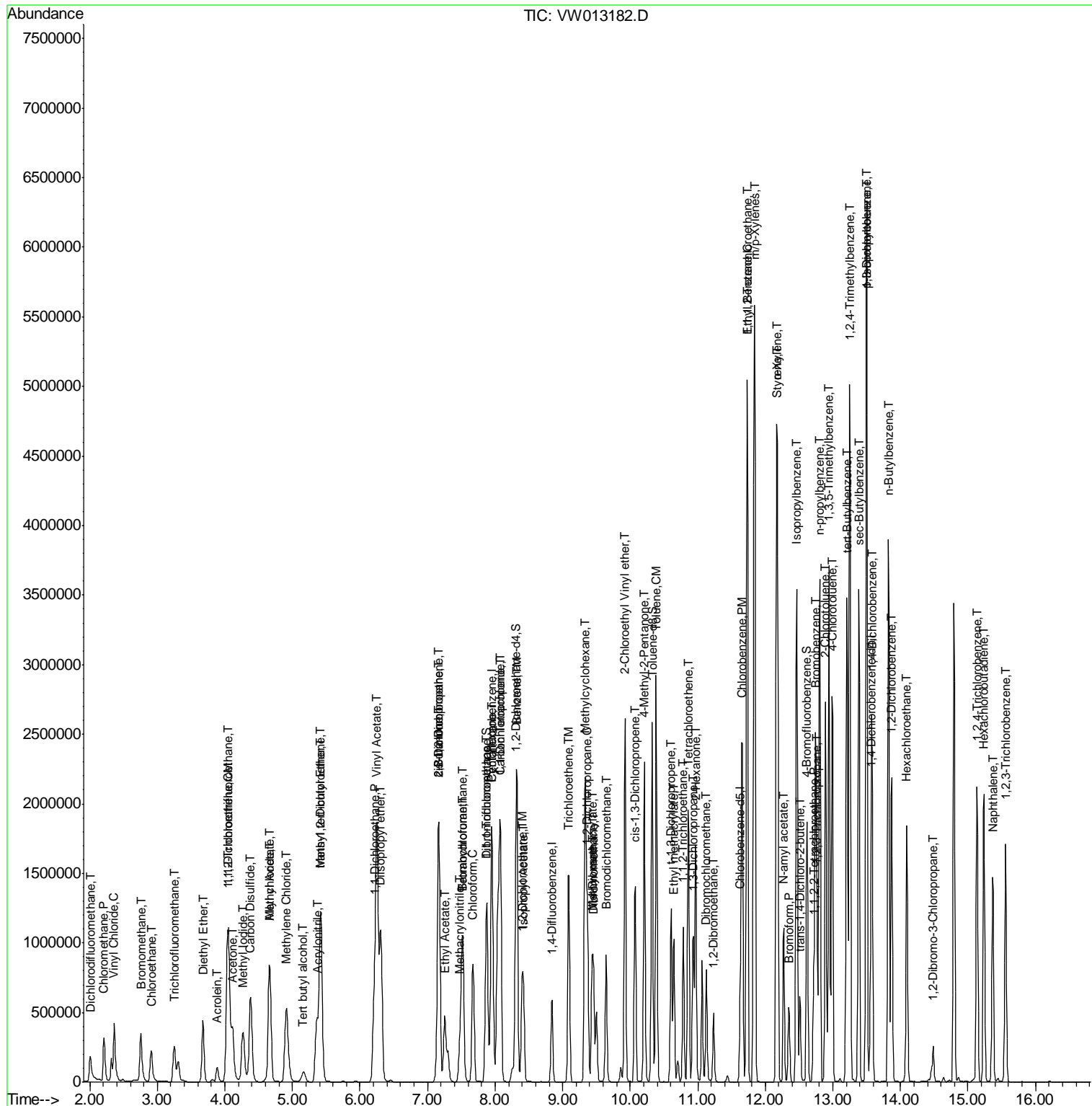
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

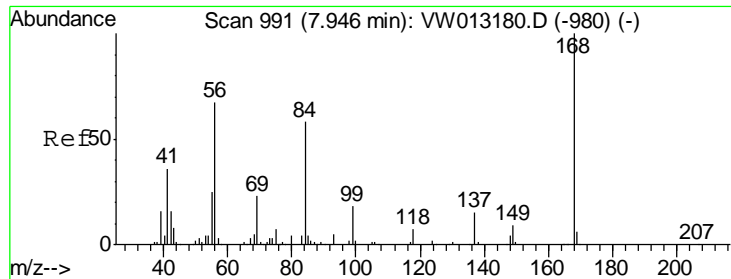
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC150

Manual Integrations
 APPROVED
 MMDadoda
 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration



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- 16
- 17
- 18

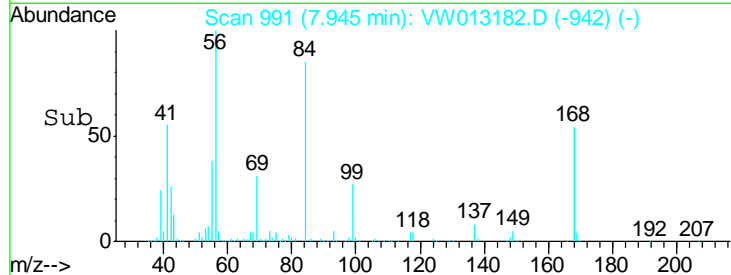
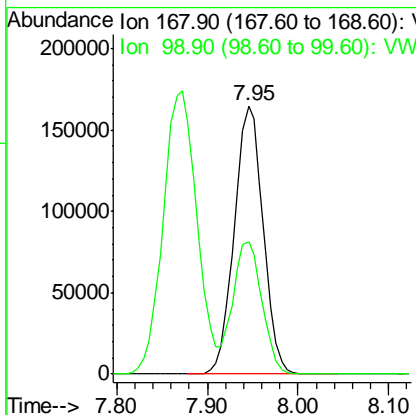
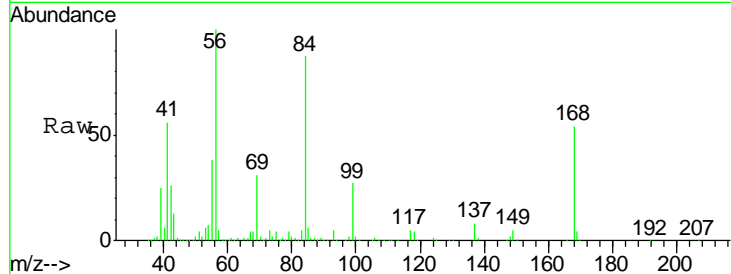


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.5	40.2	60.4

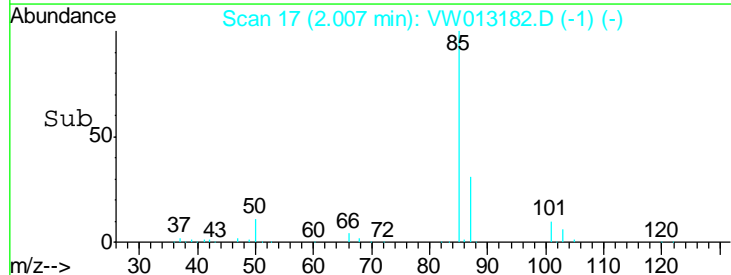
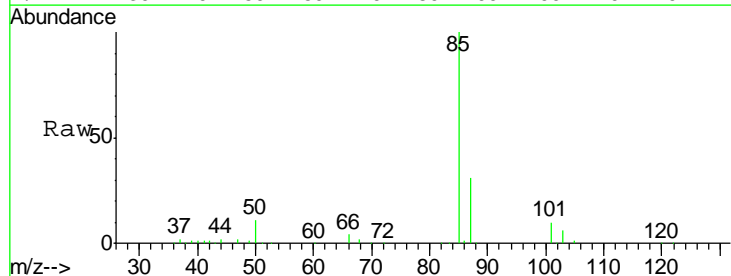
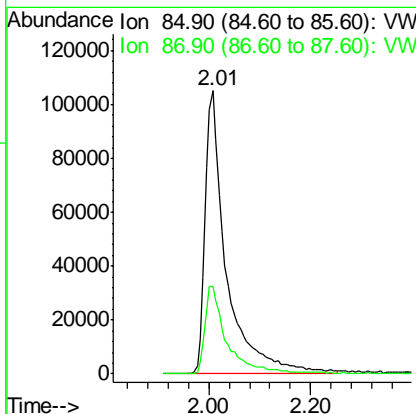
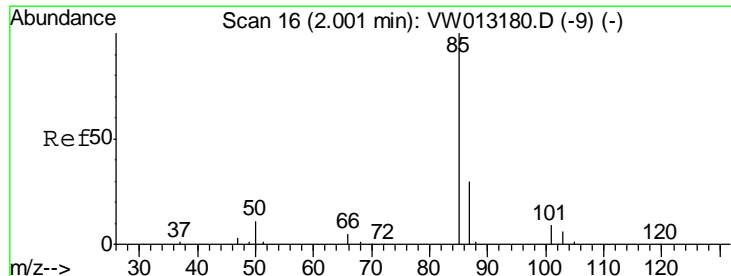
Instrument : MSVOA_W
 ClientSampled : VSTDIC150

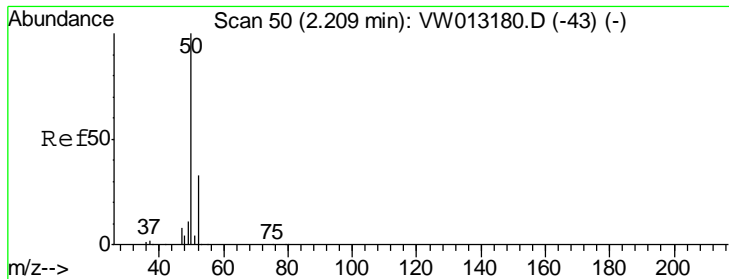
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:28:49 AM



#2
 Dichlorodifluoromethane
 Concen: 145.727 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.1	15.1	45.3





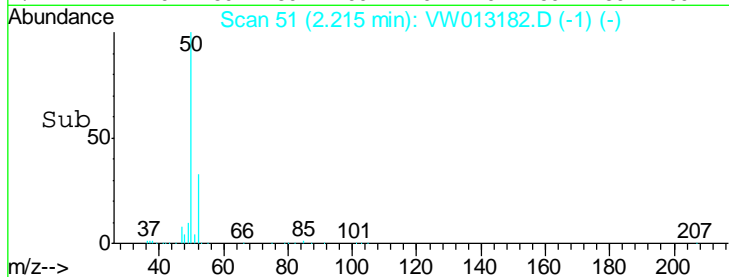
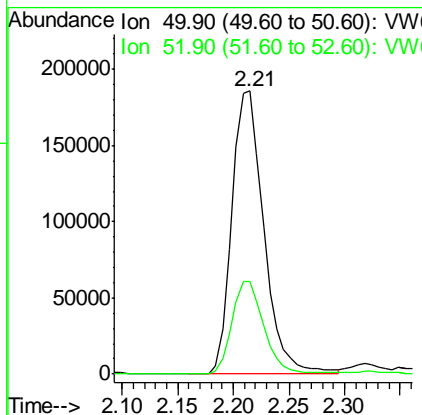
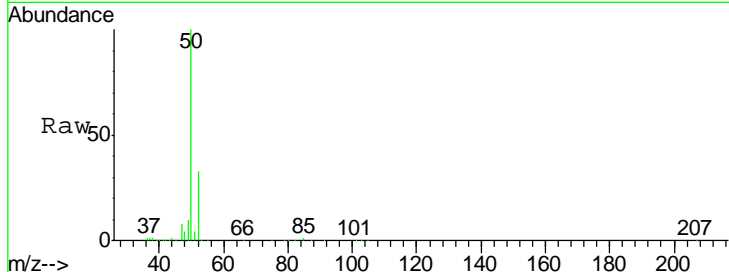
#3
 Chloromethane
 Concen: 137.159 ug/l
 RT: 2.21 min Scan# 51
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.7	26.1	39.1

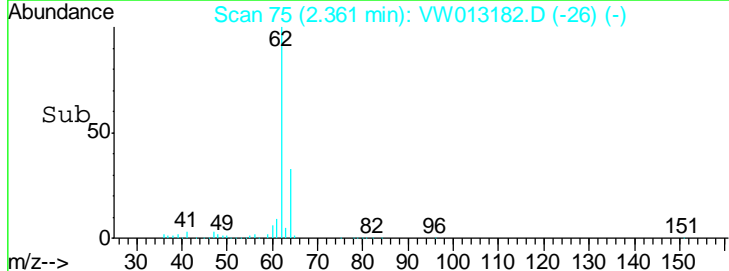
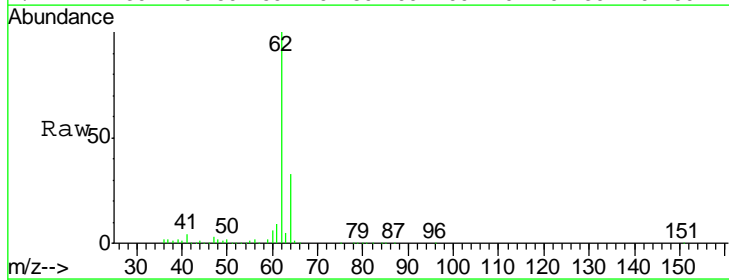
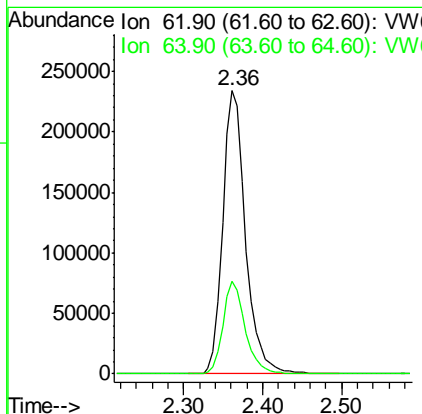
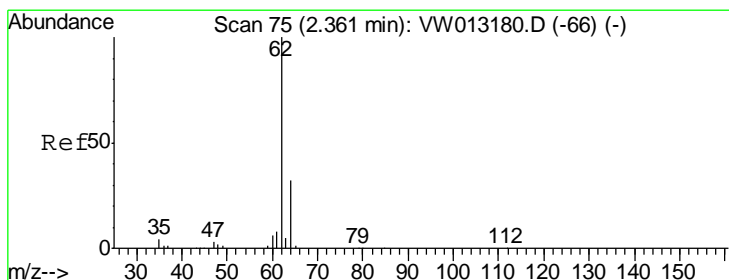
Manual Integrations
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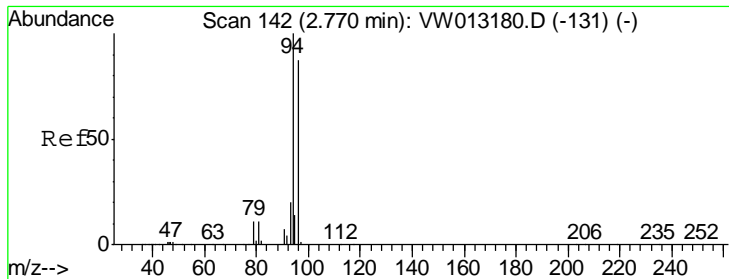
MMDadoda
 9/24/2019 5:28:49 AM



#4
 Vinyl Chloride
 Concen: 135.301 ug/l
 RT: 2.36 min Scan# 75
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.7	25.3	37.9





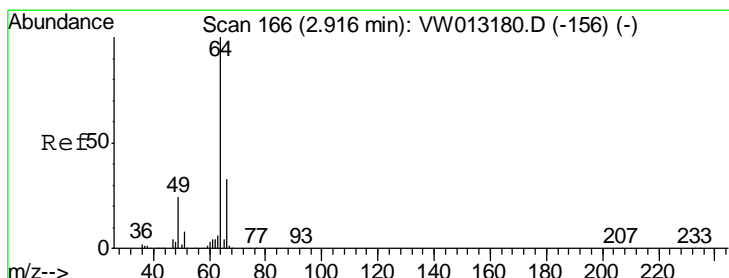
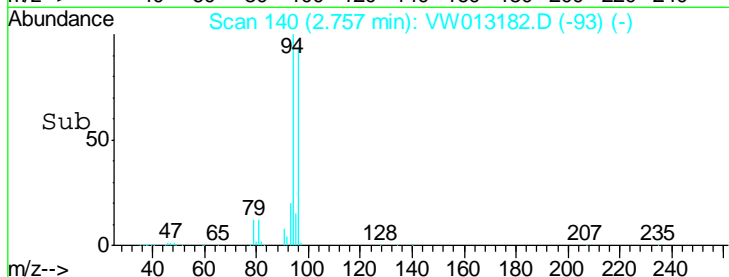
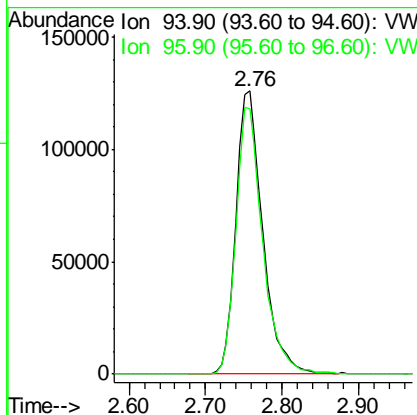
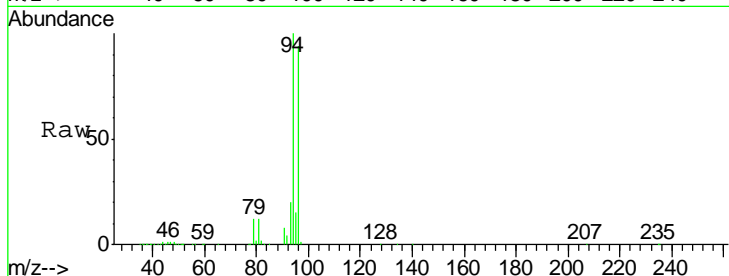
#5
 Bromomethane
 Concen: 139.648 ug/l
 RT: 2.76 min Scan# 140
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.9	69.7	104.5

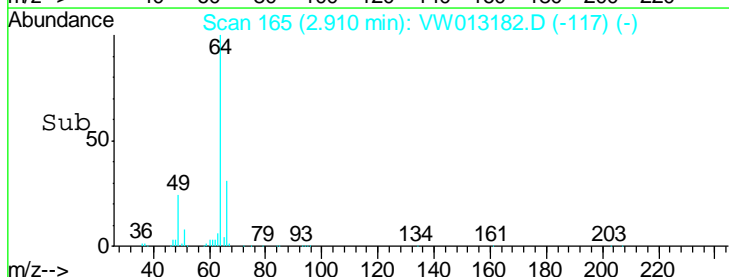
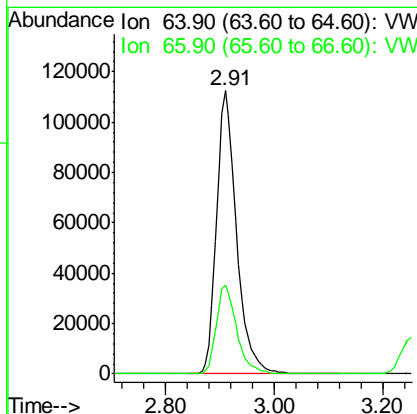
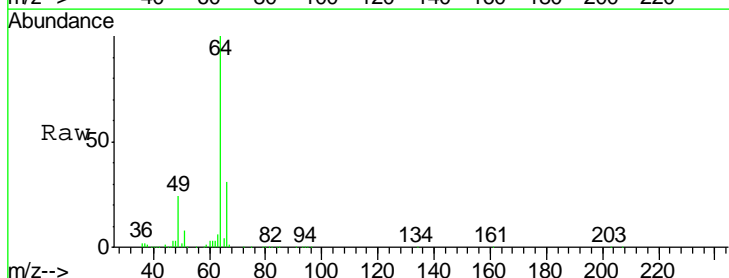
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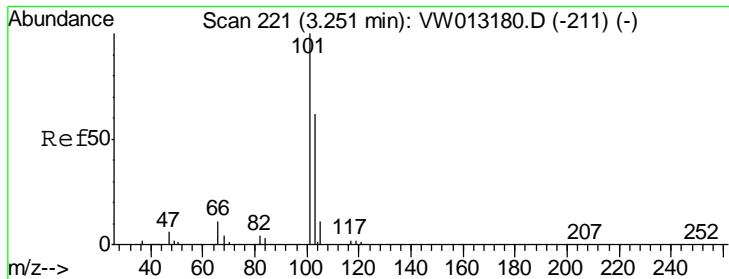
MMDadoda
 9/24/2019 5:28:49 AM



#6
 Chloroethane
 Concen: 140.445 ug/l
 RT: 2.91 min Scan# 165
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.5	26.6	39.8





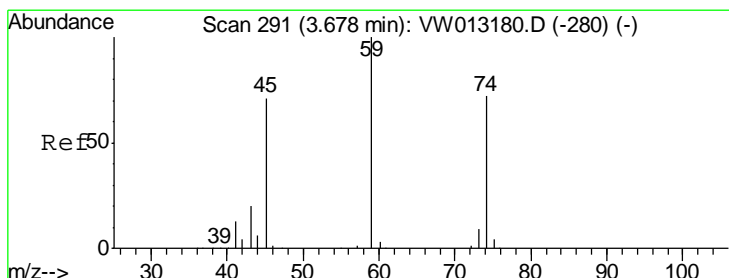
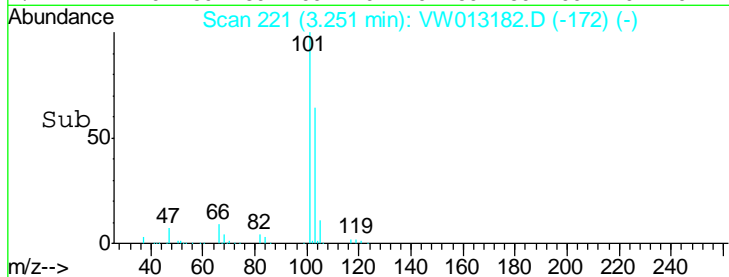
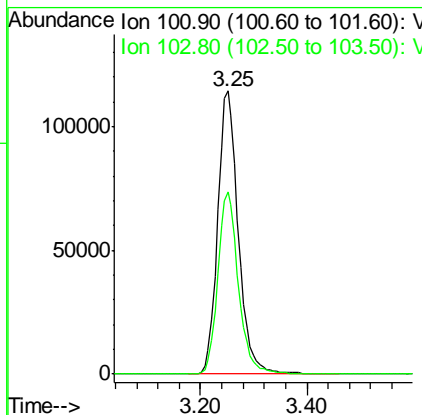
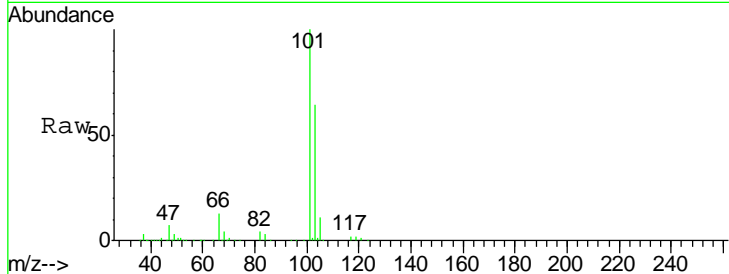
#7
 Trichlorofluoromethane
 Concen: 154.965 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
101	309541		
103	64.2	49.7	74.5

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

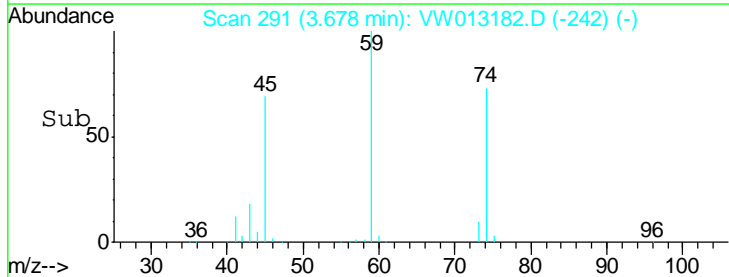
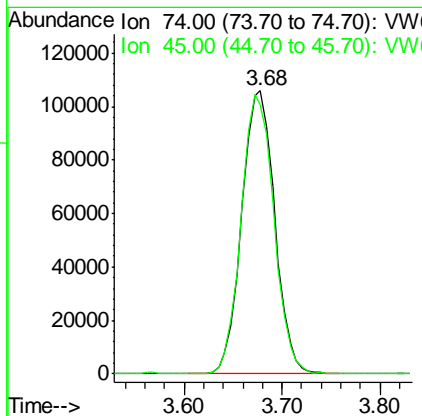
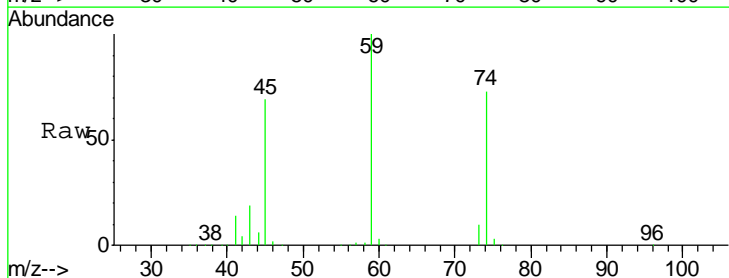
Manual Integrations
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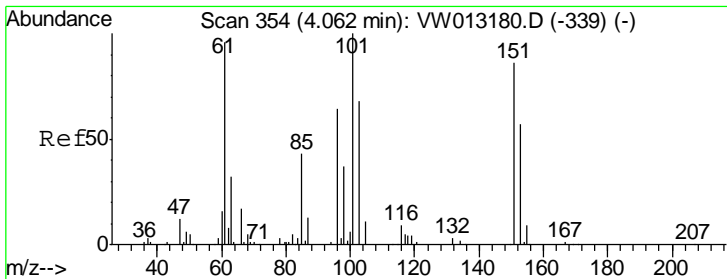
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 9/24/2019 5:28:49 AM



#8
 Diethyl Ether
 Concen: 145.284 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

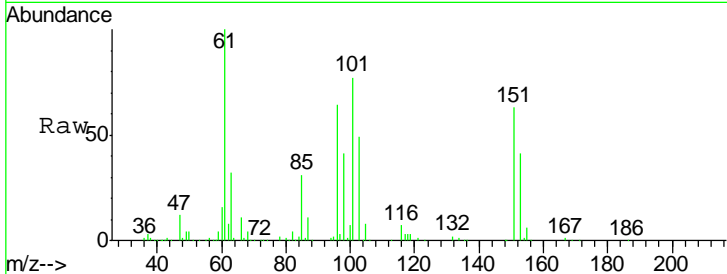
Tgt Ion	Resp	Lower	Upper
74	247880		
45	97.6	49.5	148.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 139.900 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

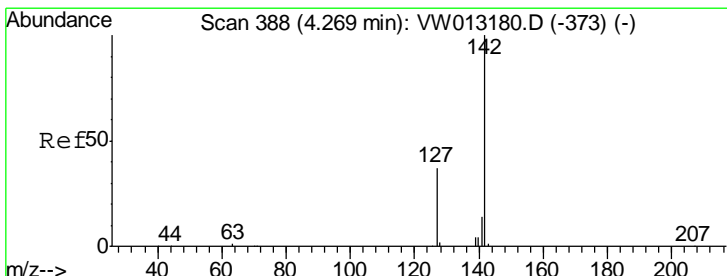
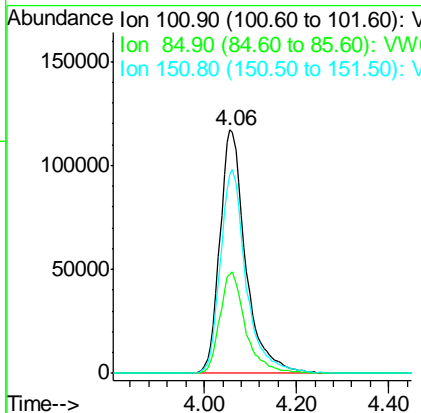
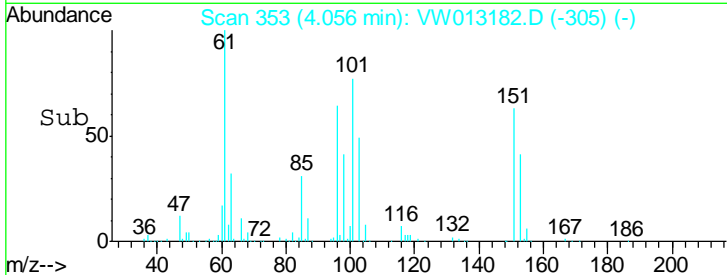
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150



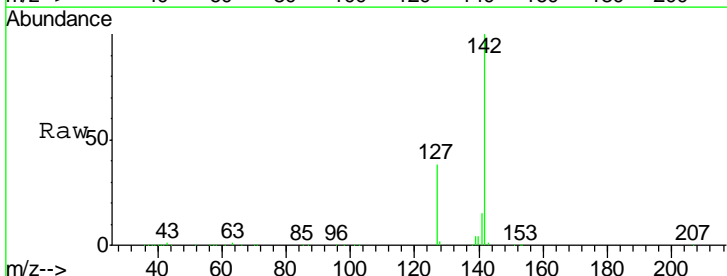
Tgt Ion	Resp	Lower	Upper
101	454964		
101	100		
85	41.4	33.4	50.0
151	83.4	66.9	100.3

Manual Integrations
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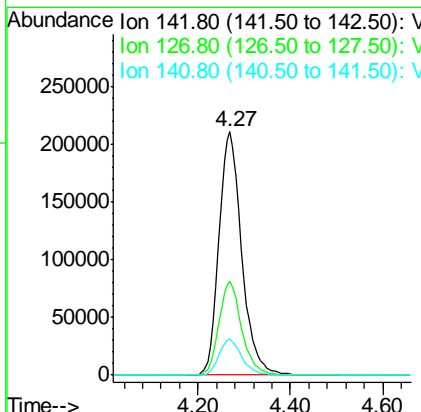
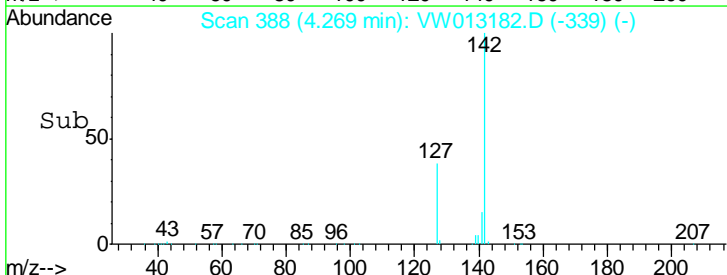
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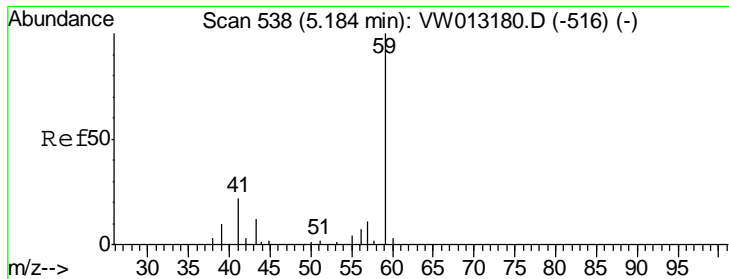


#10
 Methyl Iodide
 Concen: 143.120 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53



Tgt Ion	Resp	Lower	Upper
142	721611		
142	100		
127	38.4	30.9	46.3
141	14.8	11.7	17.5





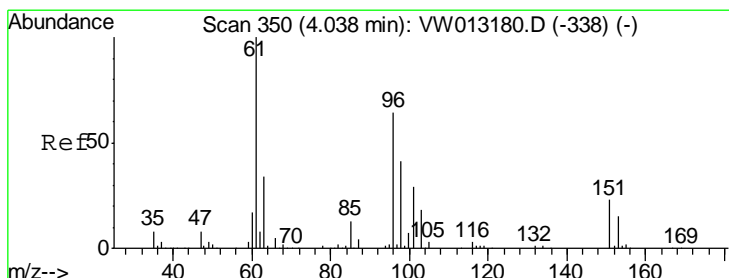
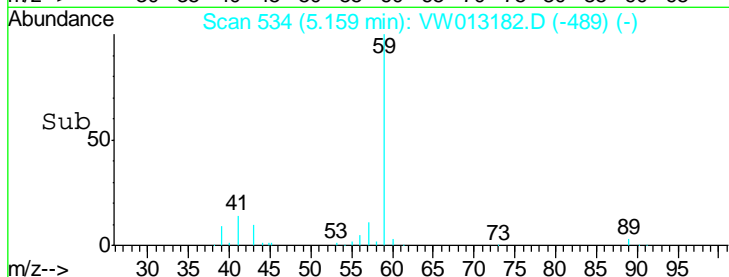
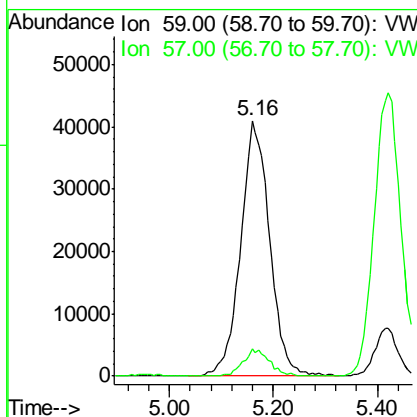
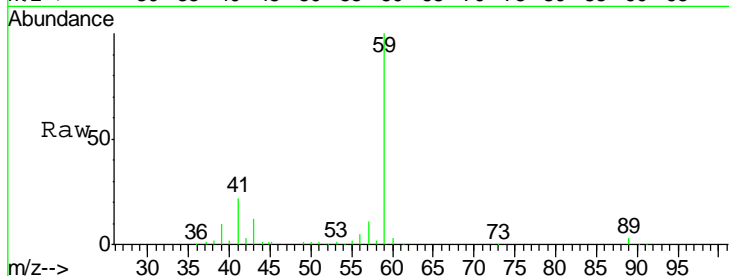
#11
 Tert butyl alcohol
 Concen: 760.594 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
59	157534		
57	9.5	8.2	12.2

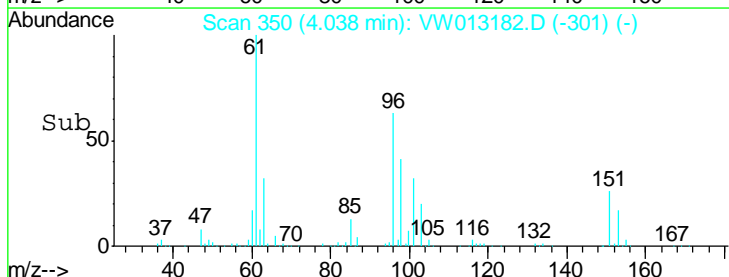
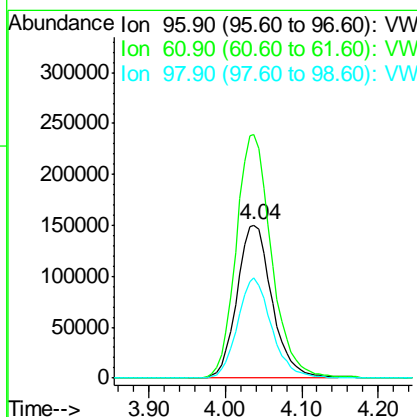
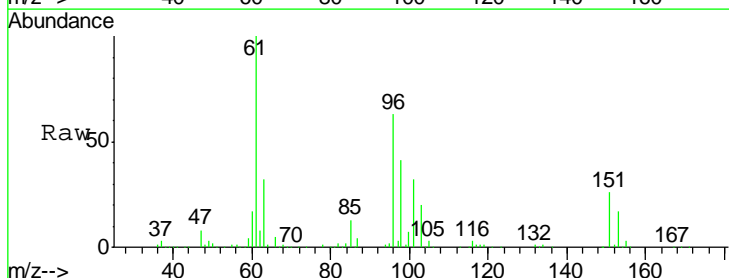
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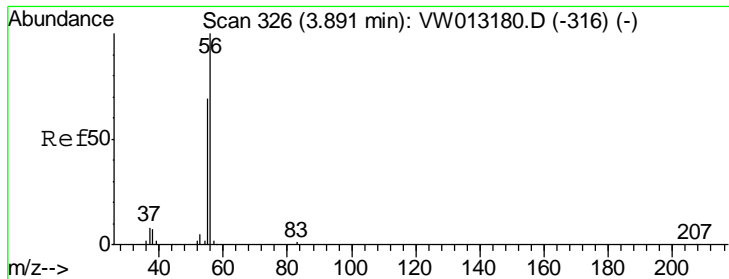
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#12
 1,1-Dichloroethene
 Concen: 142.012 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
96	478238		
61	159.4	125.1	187.7
98	65.8	50.8	76.2





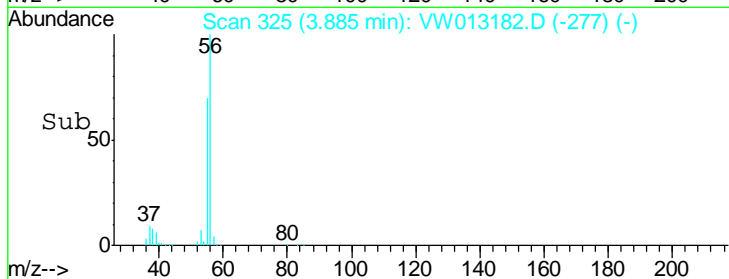
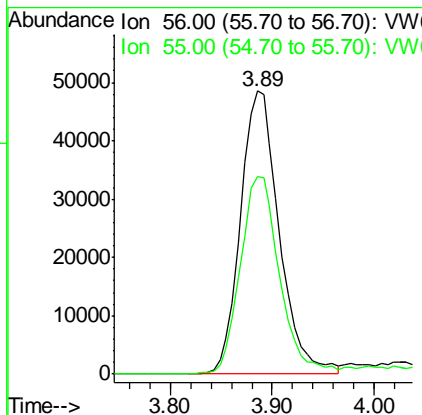
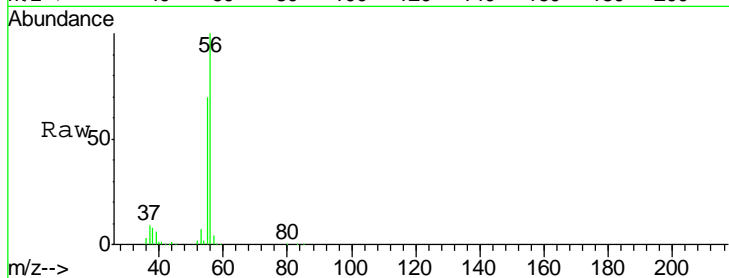
#13
 Acrolein
 Concen: 753.937 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	128357		
55	70.8	55.4	83.0

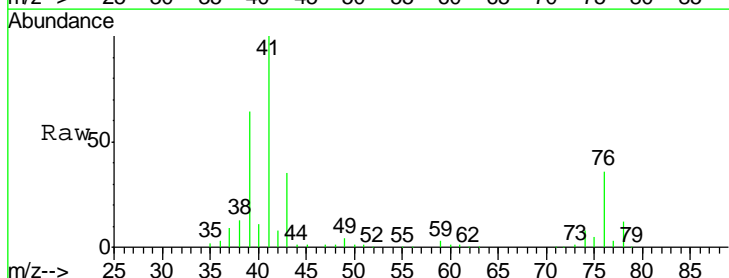
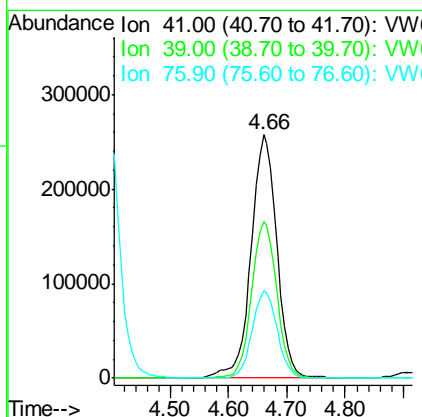
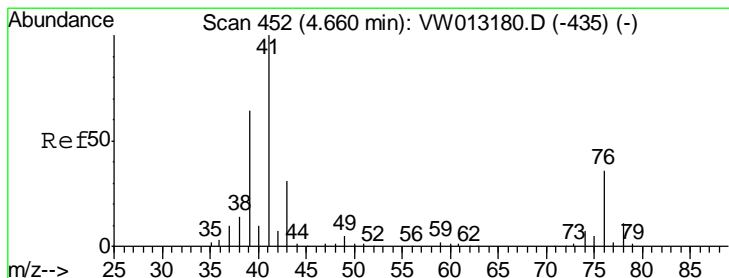
Manual Integrations
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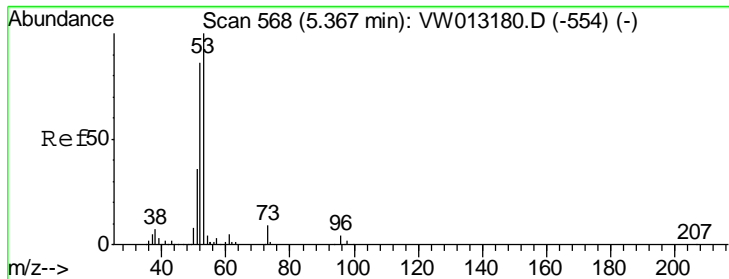
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#14
 Allyl chloride
 Concen: 147.311 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
41	789515		
39	62.9	51.0	76.4
76	34.7	28.4	42.6





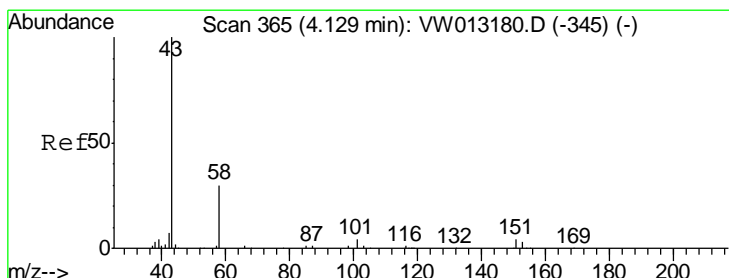
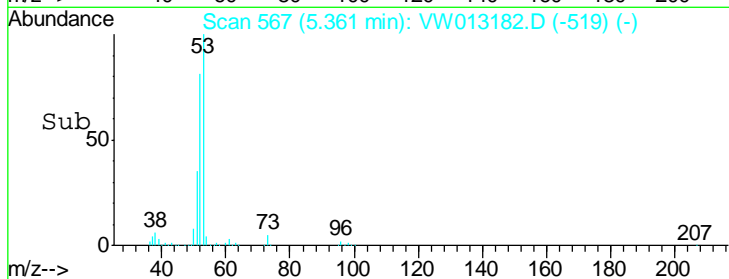
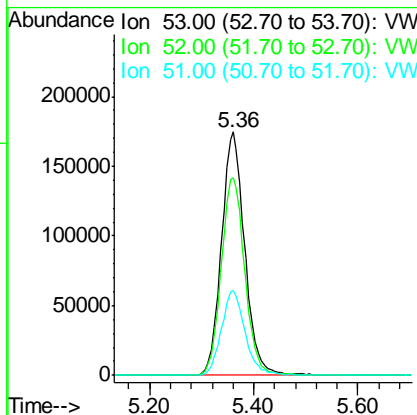
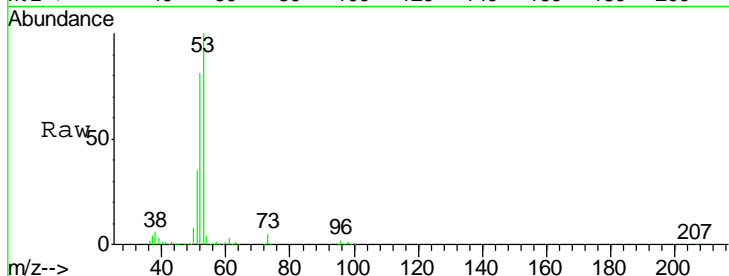
#15
 Acrylonitrile
 Concen: 742.833 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.2	65.3	97.9
51	35.8	29.0	43.4

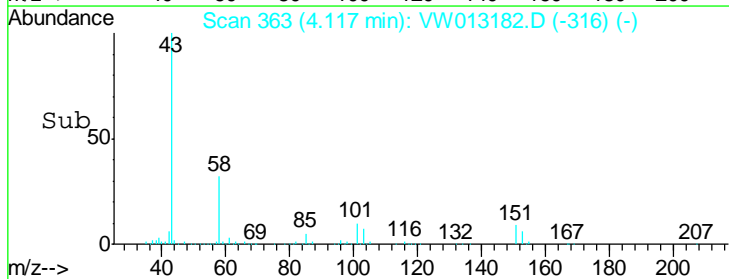
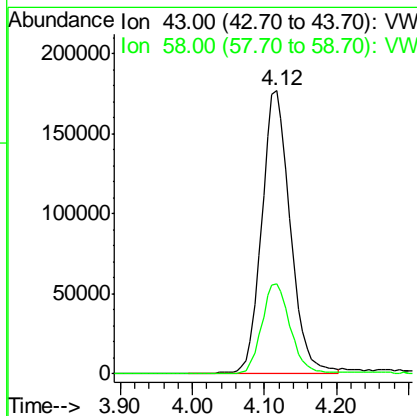
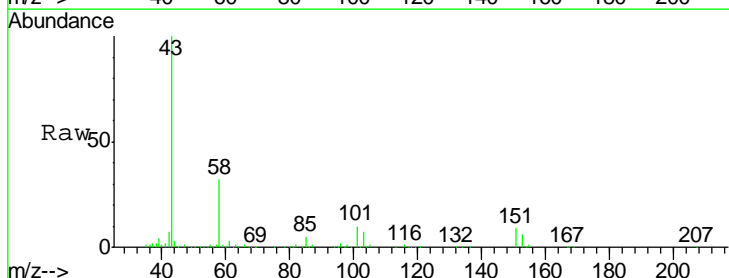
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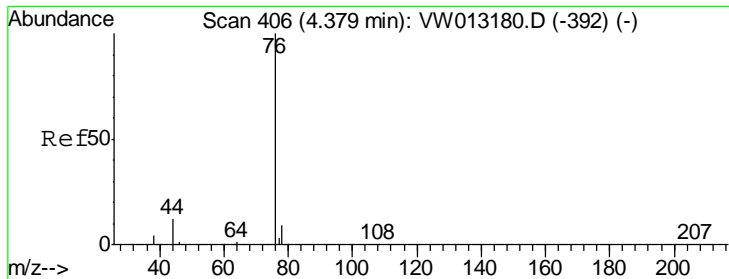
MMDadoda
 9/24/2019 5:28:49 AM



#16
 Acetone
 Concen: 731.106 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.7	24.1	36.1





#17
 Carbon Disulfide
 Concen: 147.780 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

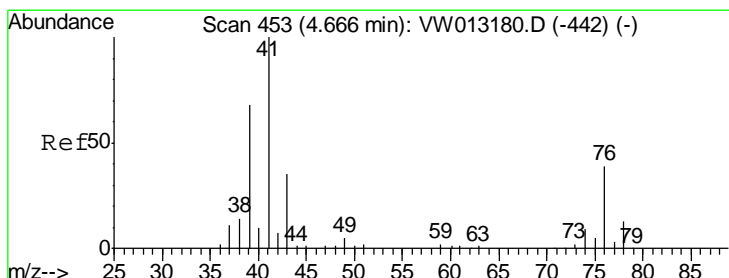
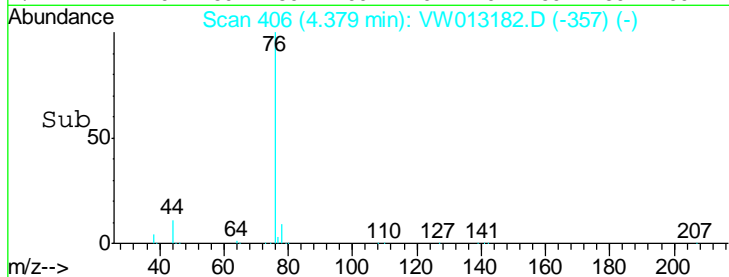
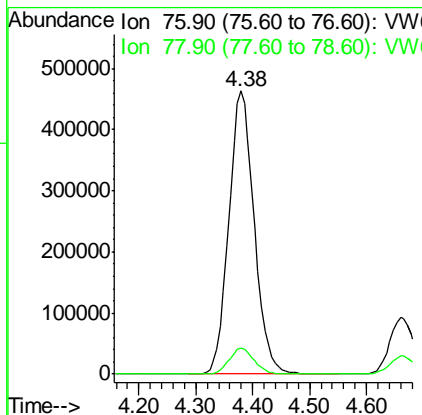
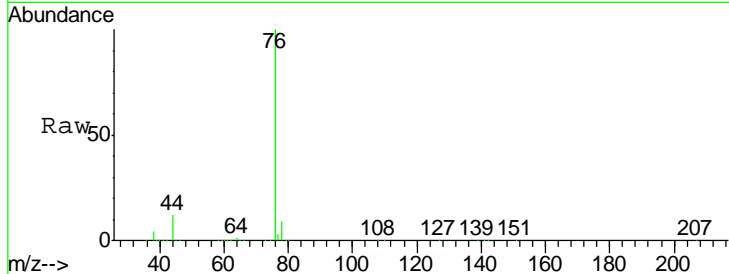
Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion: 76 Resp: 1438428

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

Manual Integrations
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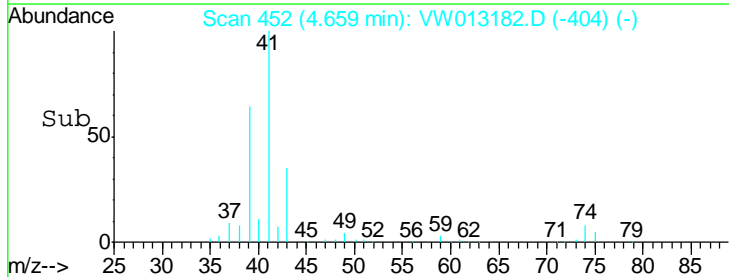
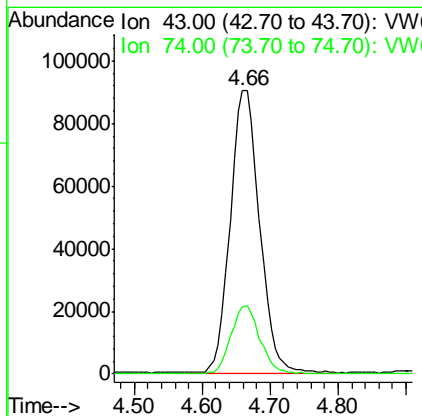
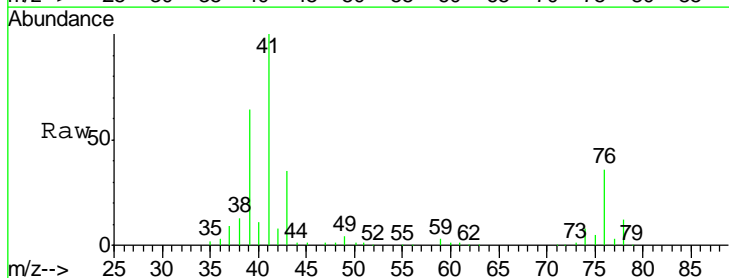
MMDadoda
 9/24/2019 5:28:49 AM

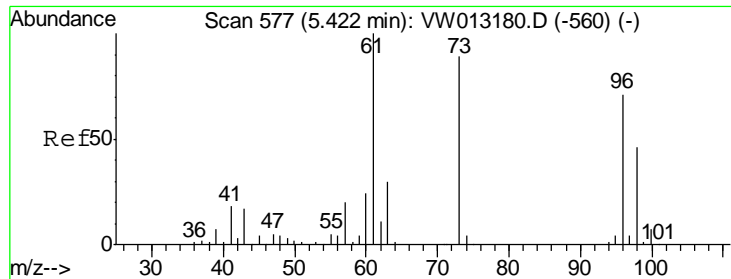


#18
 Methyl Acetate
 Concen: 143.671 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion: 43 Resp: 269352

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.3	28.9



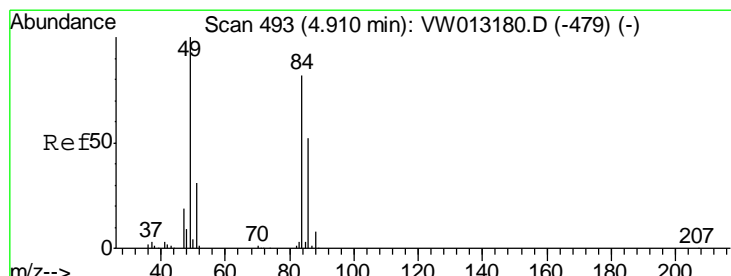
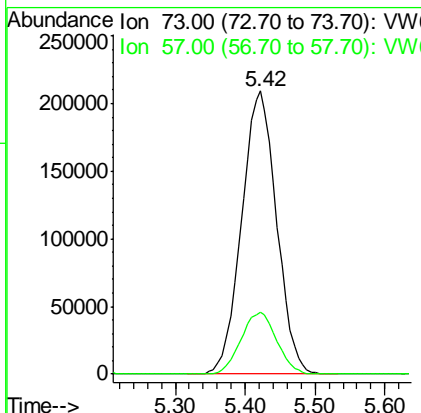
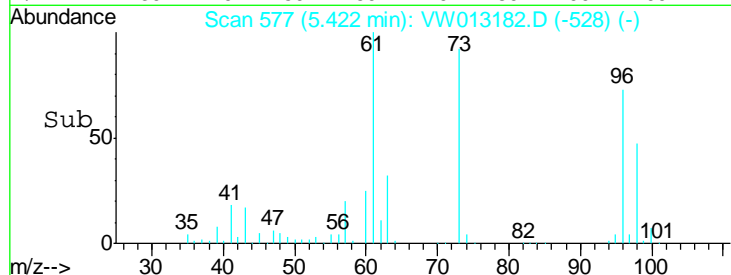
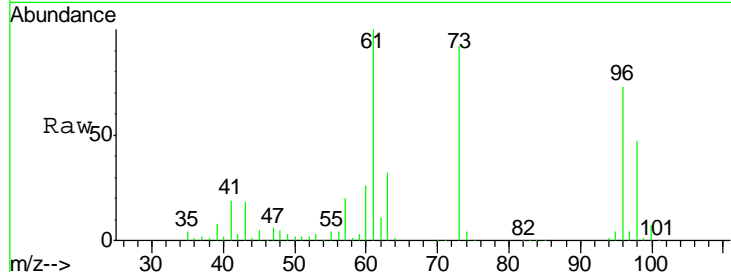


#19
 Methyl tert-butyl Ether
 Concen: 140.262 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.7	17.6	26.4

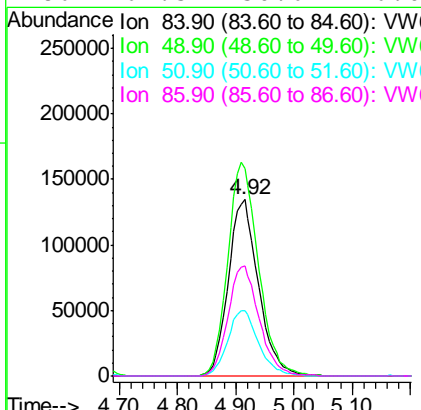
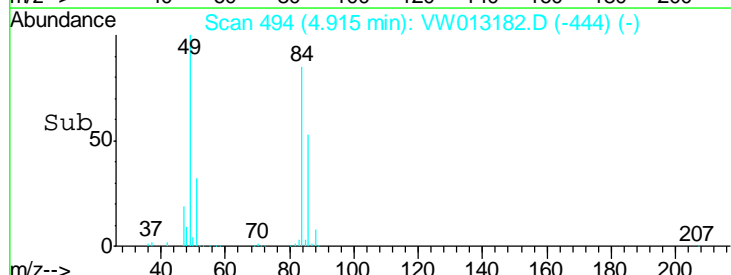
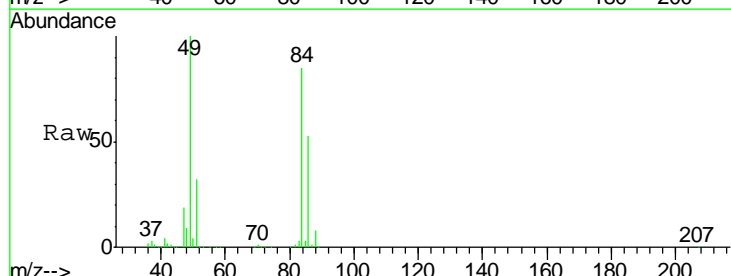
Instrument : MSVOA_W
 ClientSampled : VSTDIC150

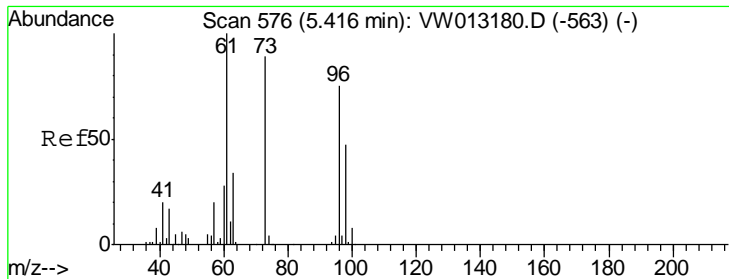
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:28:49 AM



#20
 Methylene Chloride
 Concen: 147.636 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
84	100		
49	117.7	97.6	146.4
51	37.2	30.2	45.2
86	62.5	50.6	76.0





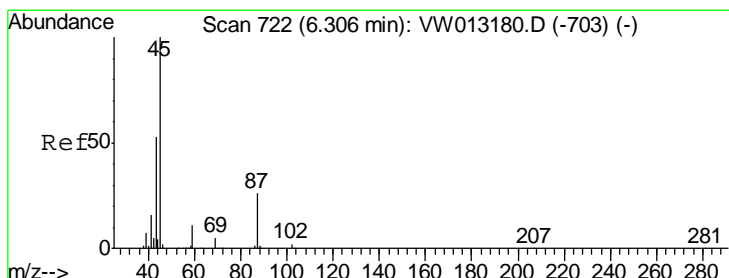
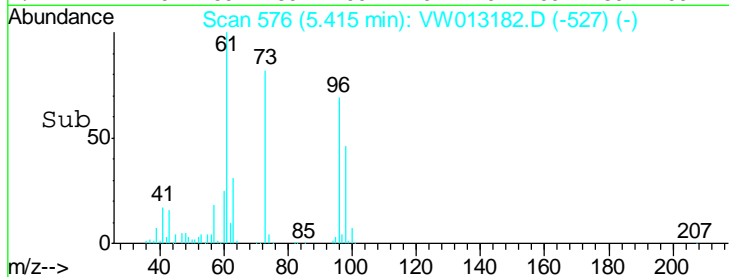
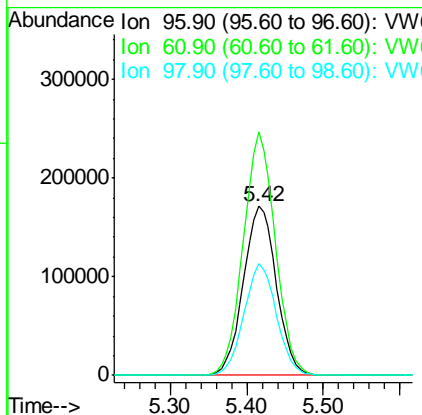
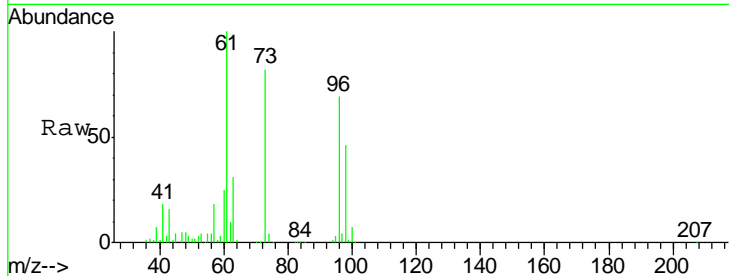
#21
 trans-1,2-Dichloroethene
 Concen: 141.399 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	514660		
61	144.1	106.6	159.8
98	66.0	49.8	74.8

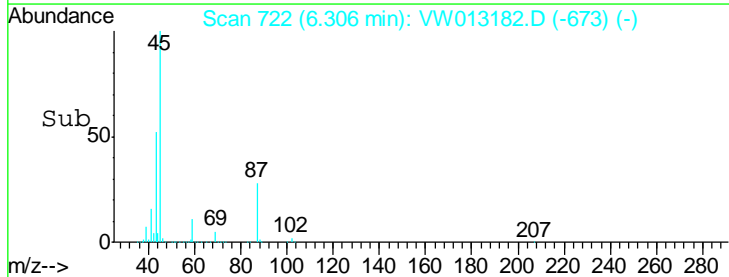
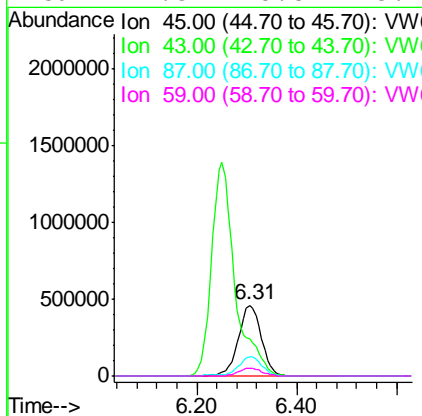
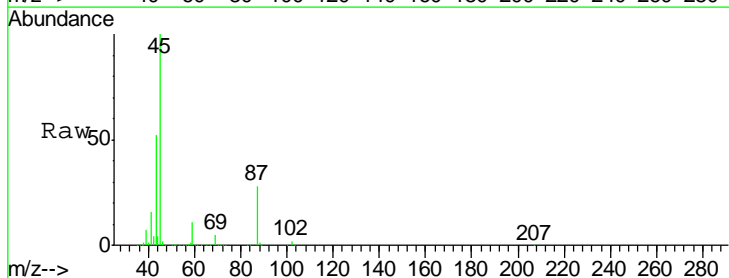
Manual Integrations
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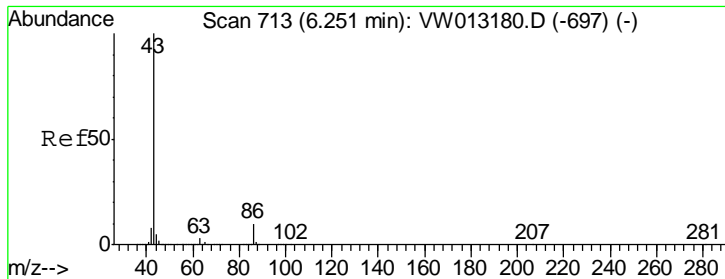
MMDadoda
 9/24/2019 5:28:49 AM



#22
 Diisopropyl ether
 Concen: 144.301 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
45	1470667		
43	51.9	42.4	63.6
87	27.5	20.4	30.6
59	11.3	8.8	13.2





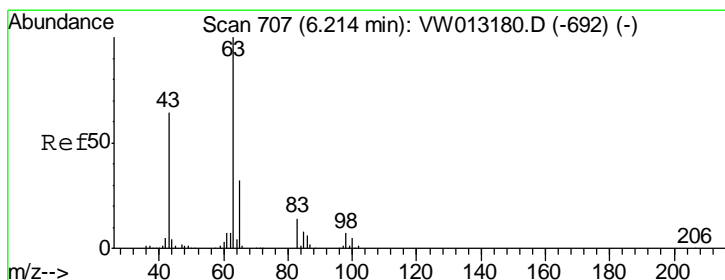
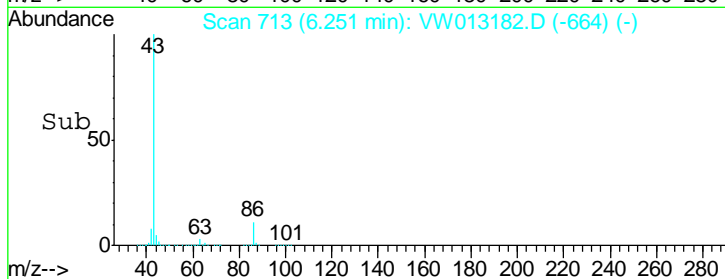
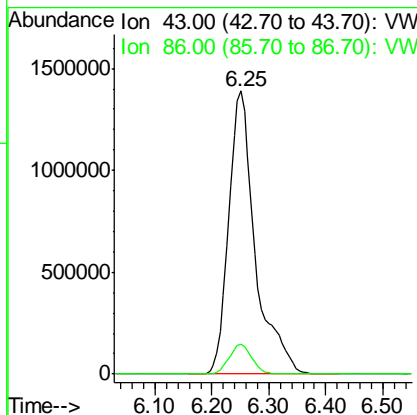
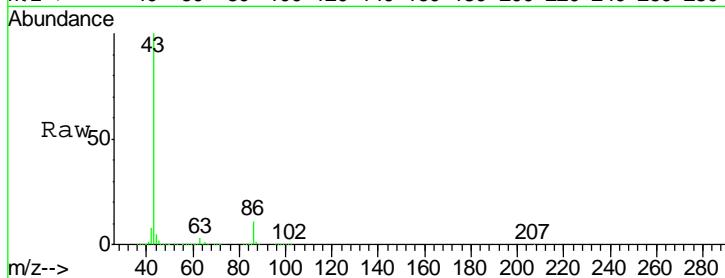
#23
 Vinyl Acetate
 Concen: 748.913 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.7	8.3	12.5

Instrument : MSVOA_W
 ClientSampled : VSTDICC150

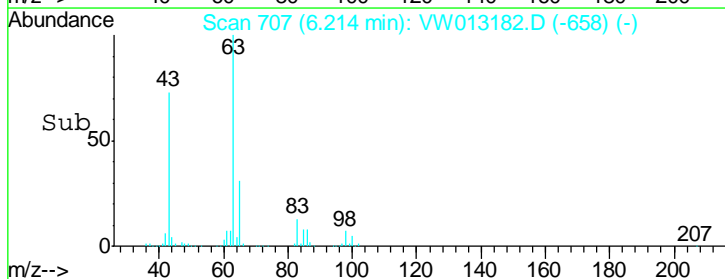
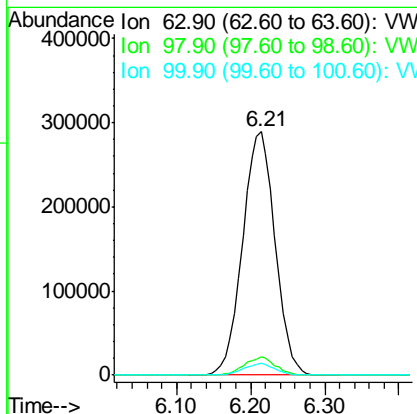
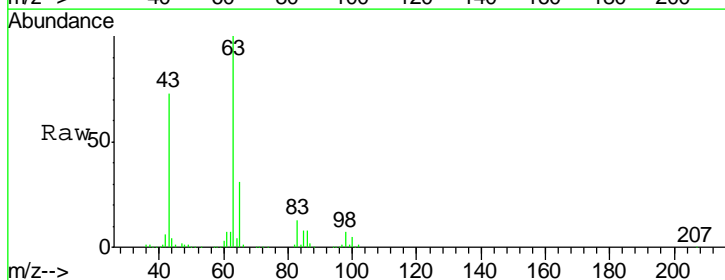
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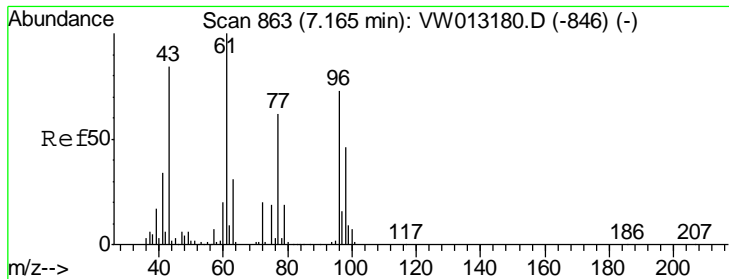
MMDadoda
 9/24/2019 5:28:49 AM



#24
 1,1-Dichloroethane
 Concen: 143.750 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.3	3.5	10.5
100	4.7	2.4	7.1





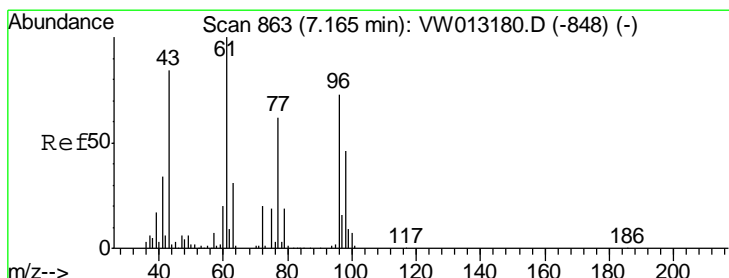
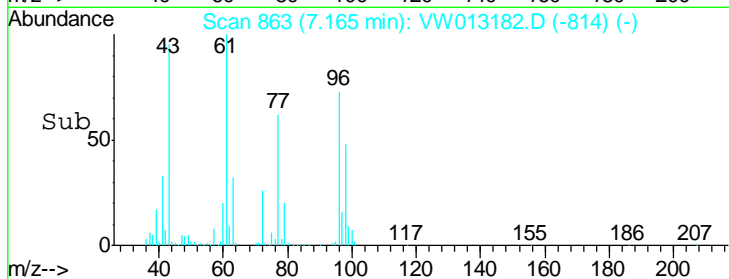
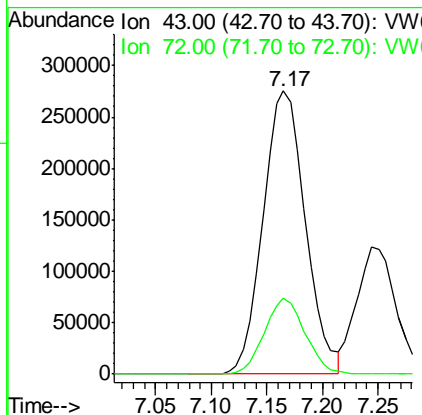
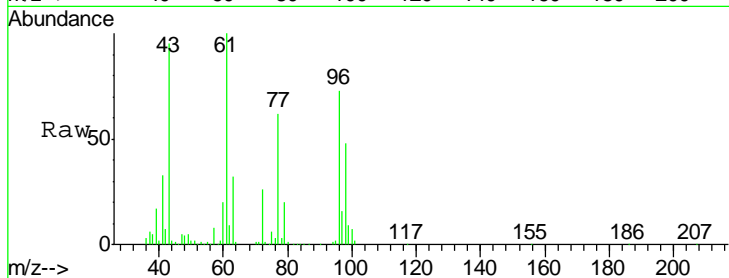
#25
 2-Butanone
 Concen: 727.768 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.9	19.4	29.0

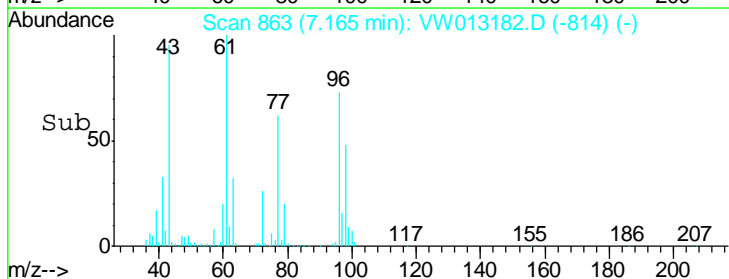
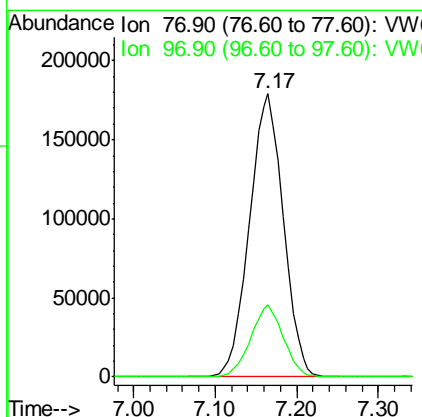
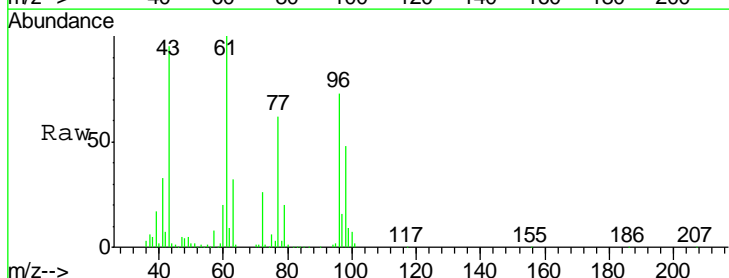
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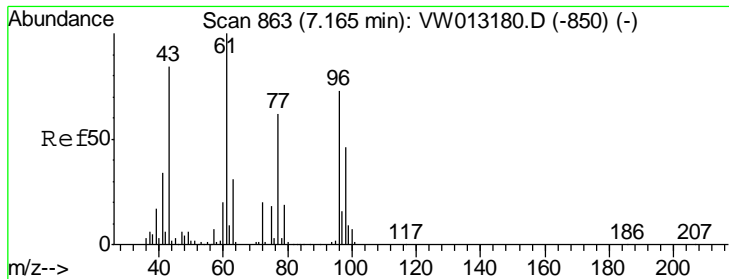
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 147.410 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.5	11.8	35.4





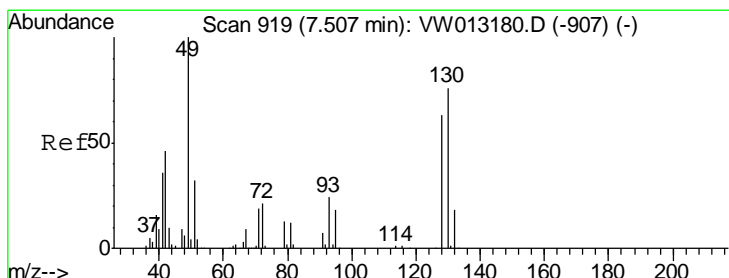
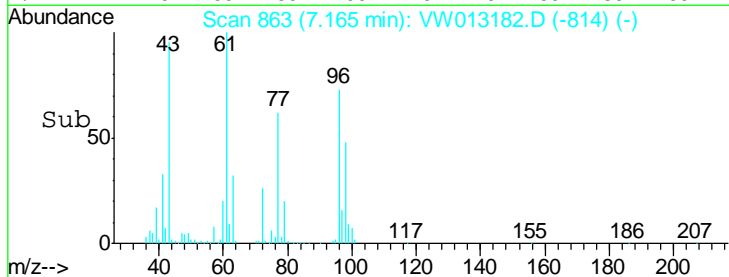
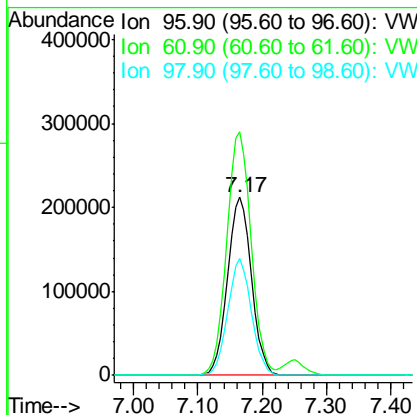
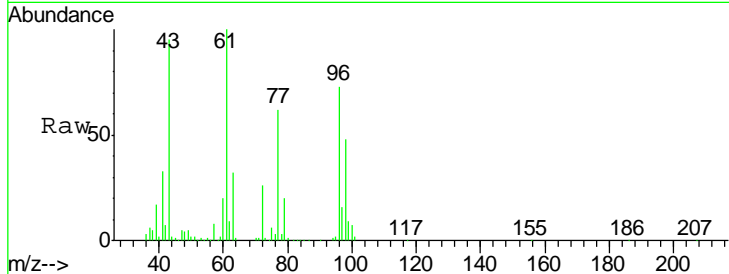
#27
 cis-1,2-Dichloroethene
 Concen: 144.903 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	556592		
96	100		
61	139.6	0.0	282.4
98	64.5	0.0	128.2

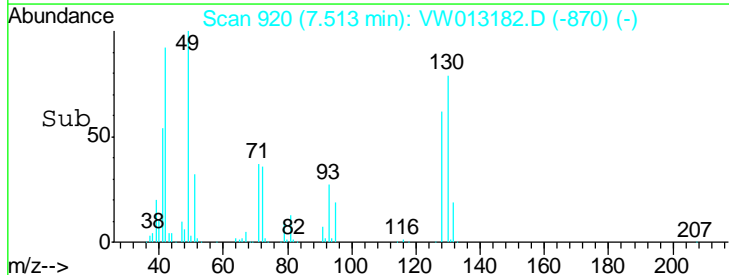
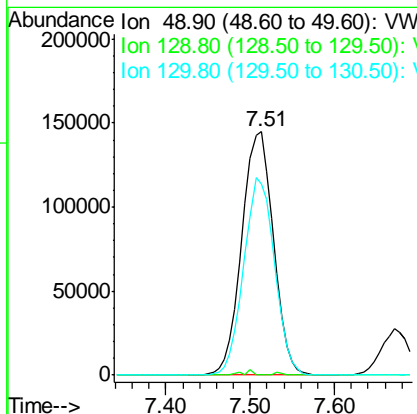
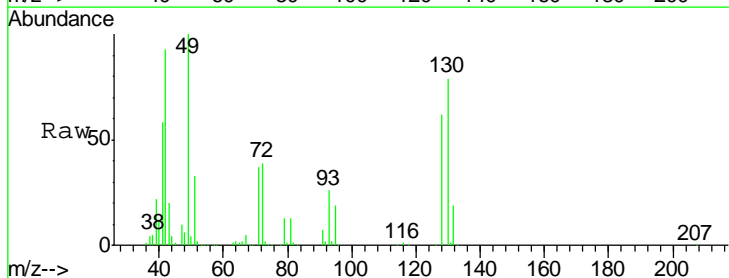
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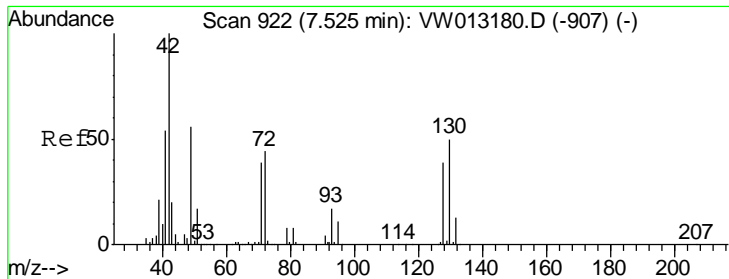
MMDadoda
 9/24/2019 5:28:49 AM



#28
 Bromochloromethane
 Concen: 155.653 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
49	367394		
49	100		
129	0.0	0.0	1.0
130	79.2	63.4	95.2





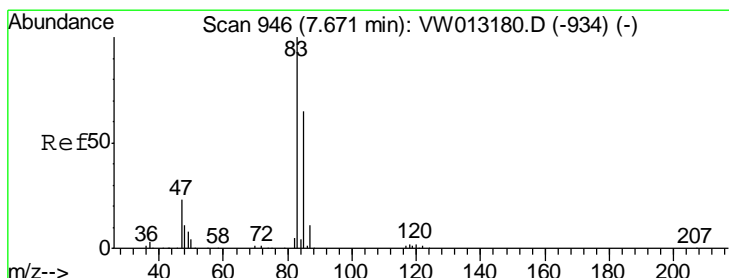
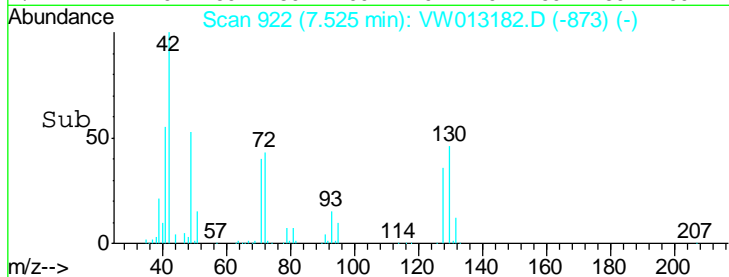
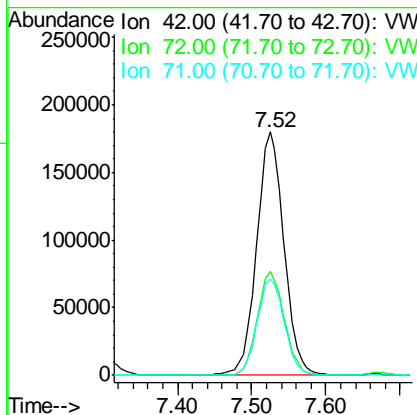
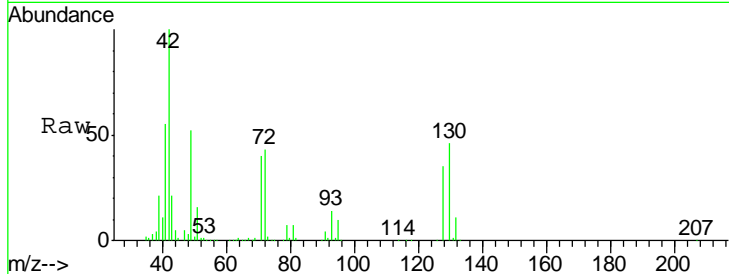
#29
 Tetrahydrofuran
 Concen: 752.885 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.1	33.9	50.9
71	39.4	31.9	47.9

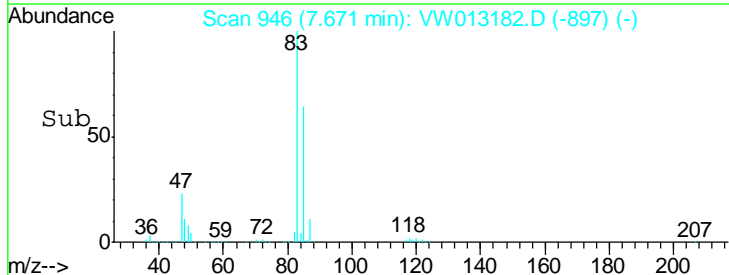
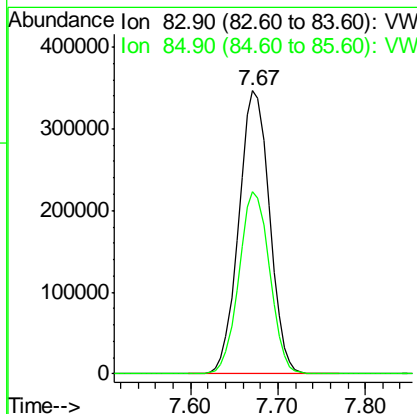
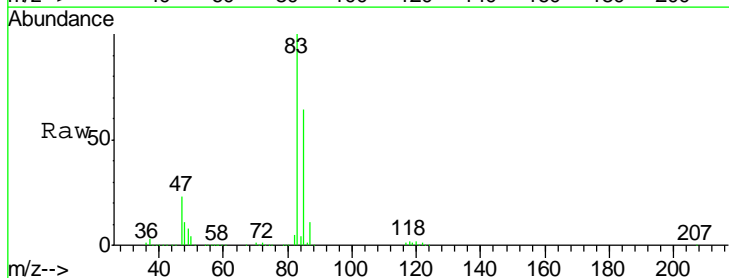
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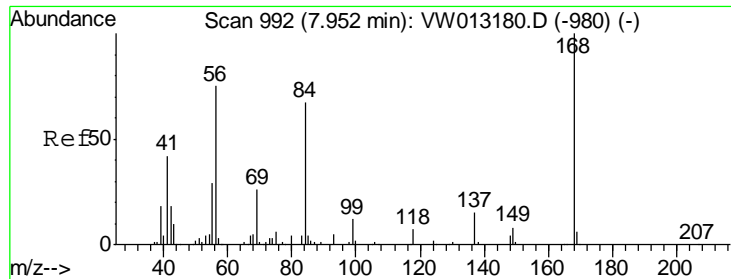
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#30
 Chloroform
 Concen: 140.918 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.2	52.3	78.5





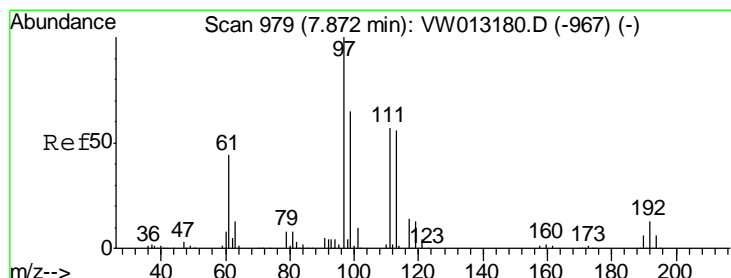
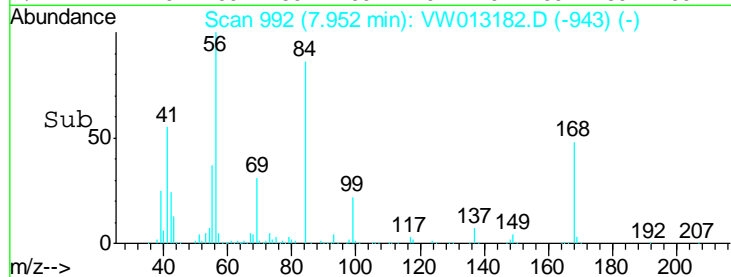
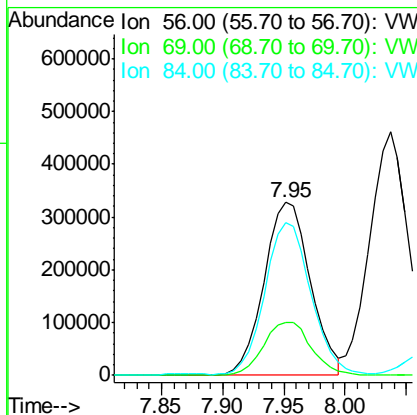
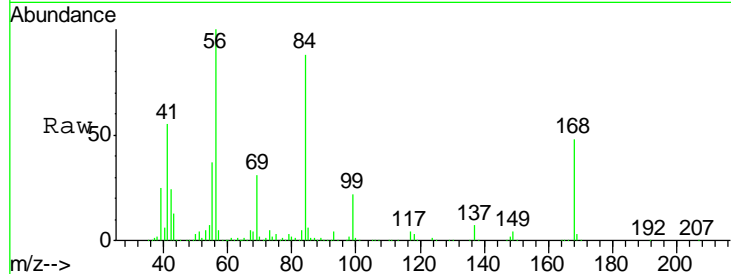
#31
 Cyclohexane
 Concen: 134.949 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.9	27.2	40.8
84	87.1	70.8	106.2

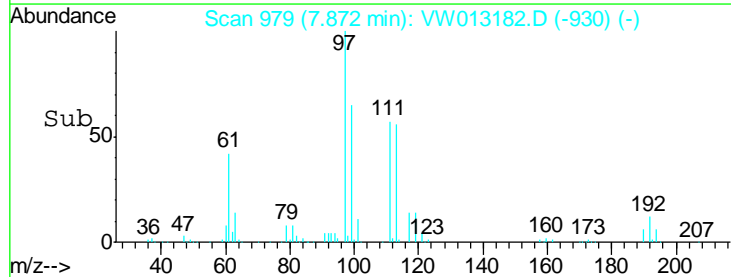
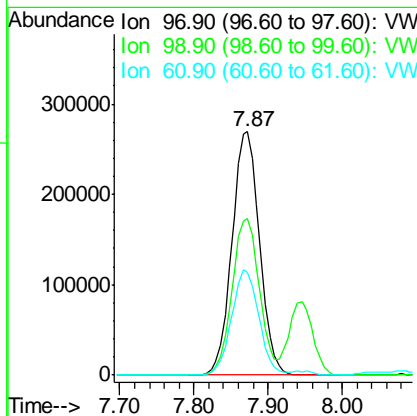
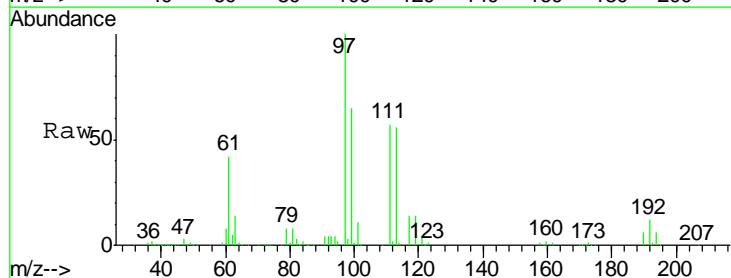
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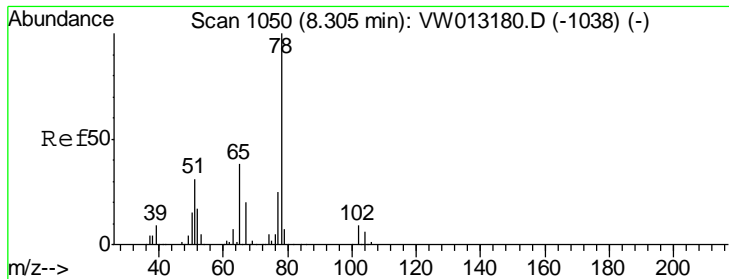
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#32
 1,1,1-Trichloroethane
 Concen: 142.882 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	42.9	34.6	51.8





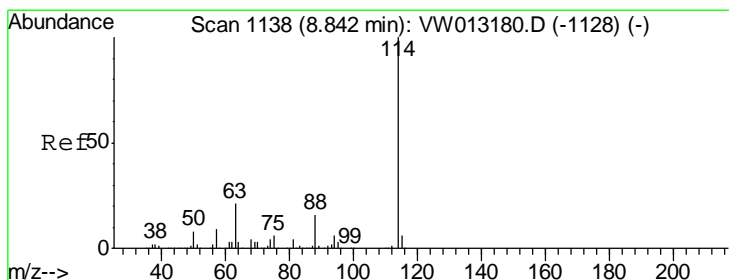
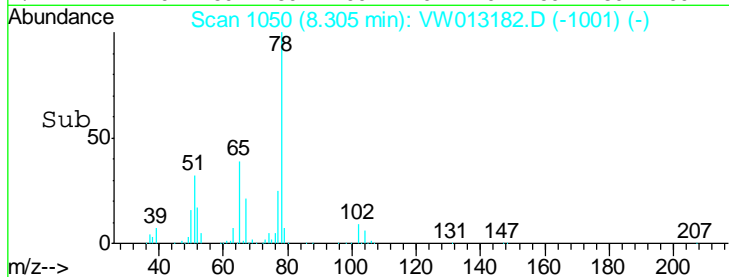
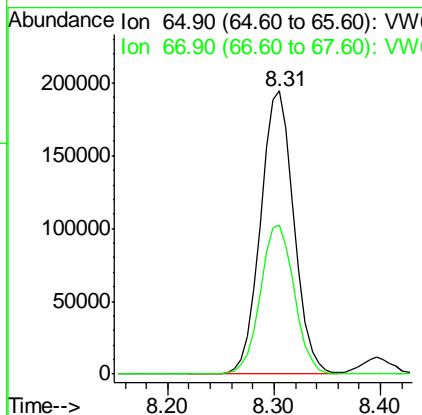
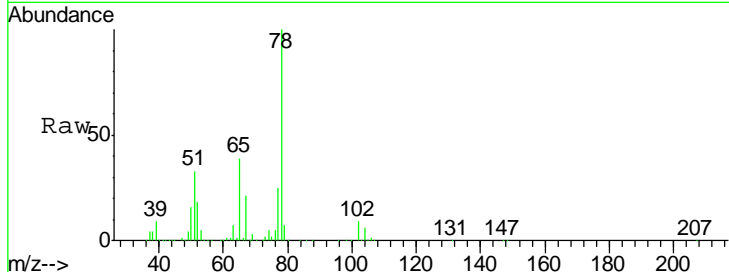
#33
 1,2-Dichloroethane-d4
 Concen: 143.569 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
65	424604		
65	100		
67	53.6	0.0	106.2

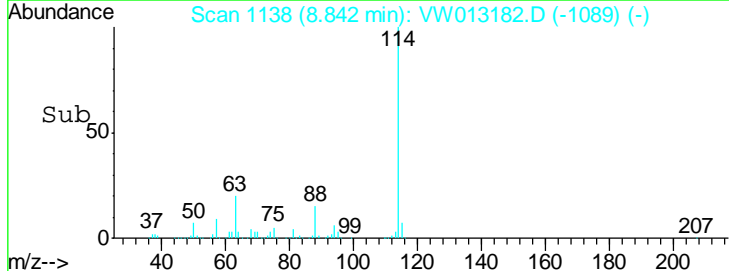
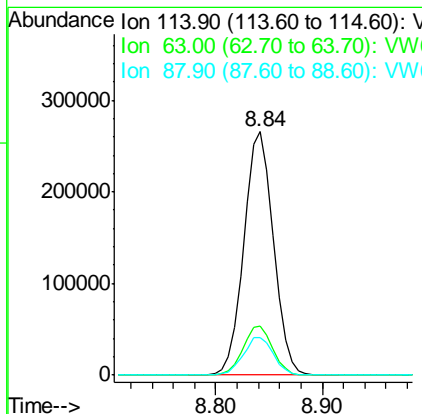
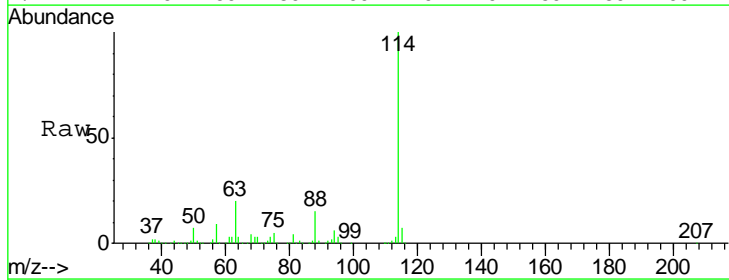
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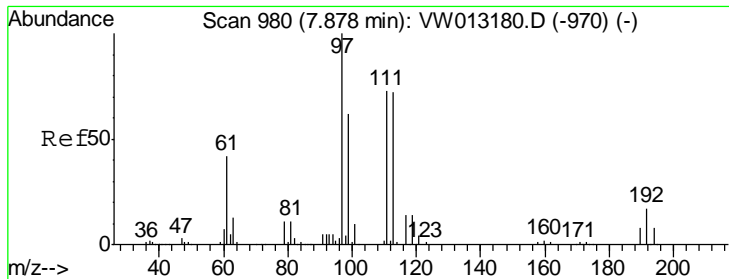
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
114	518740		
114	100		
63	20.1	0.0	41.4
88	15.5	0.0	32.0





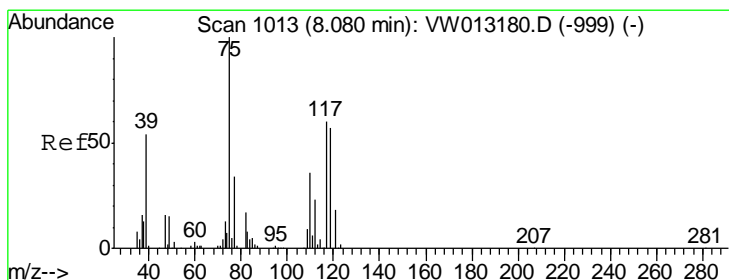
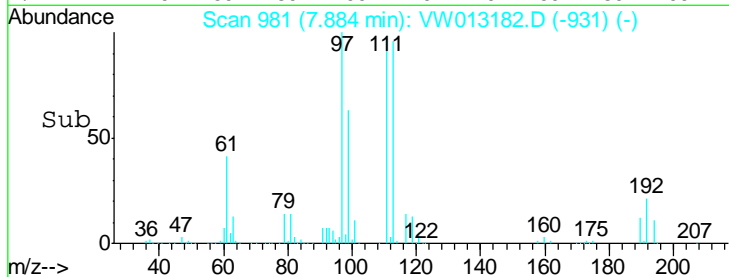
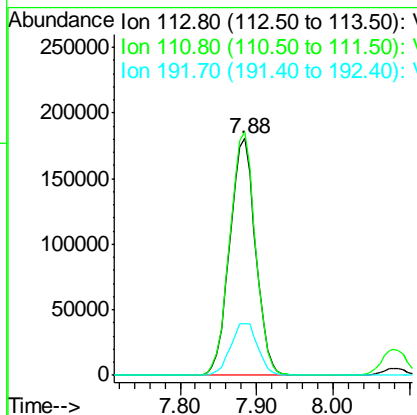
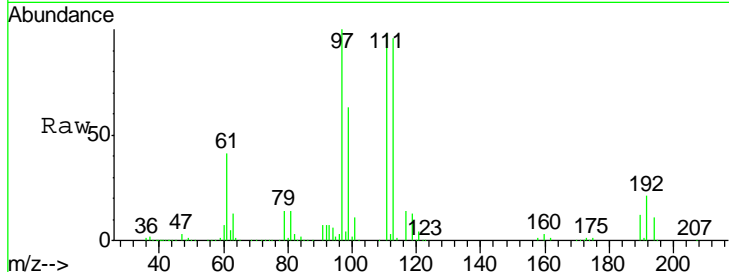
#35
 Dibromofluoromethane
 Concen: 147.628 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
113	421193		
113	100		
111	102.5	81.9	122.9
192	23.2	19.1	28.7

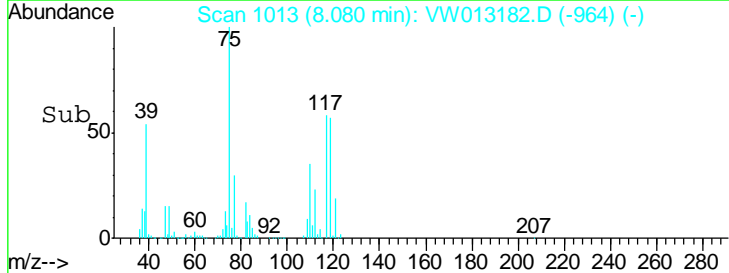
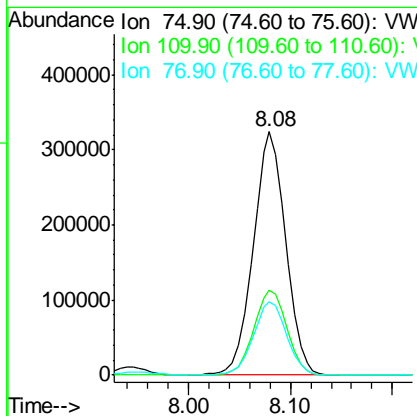
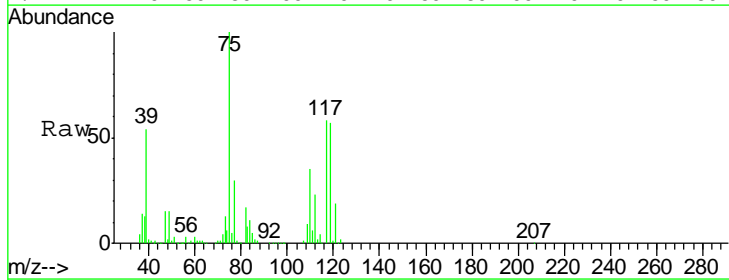
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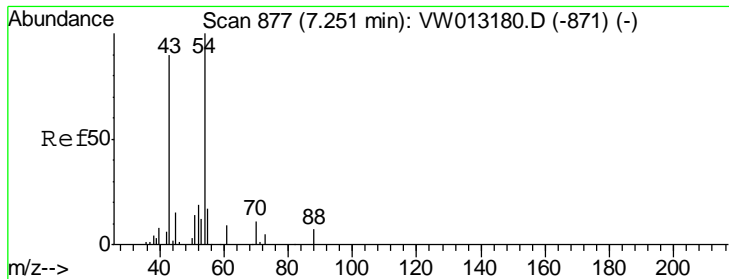
MMDadoda
 9/24/2019 5:28:49 AM



#36
 1,1-Dichloropropene
 Concen: 142.664 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
75	716795		
75	100		
110	35.7	18.1	54.3
77	31.0	25.8	38.6





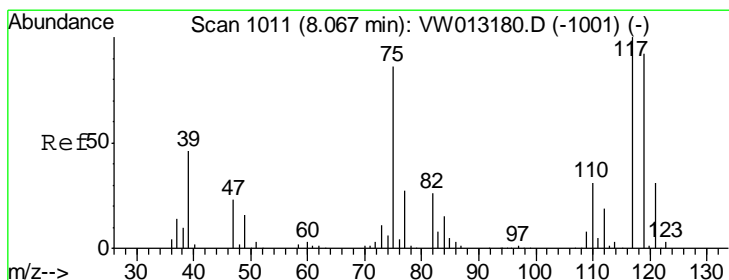
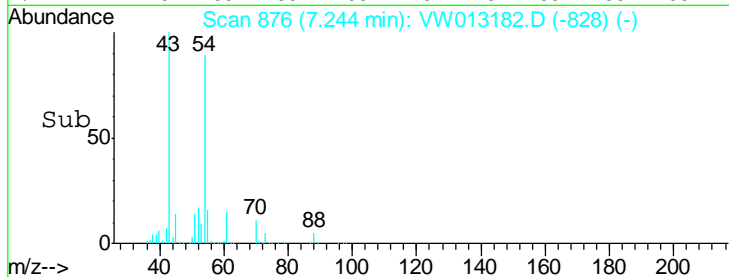
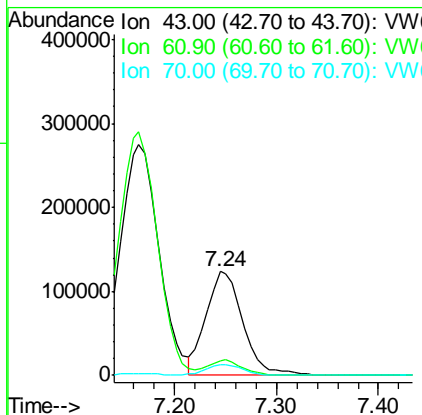
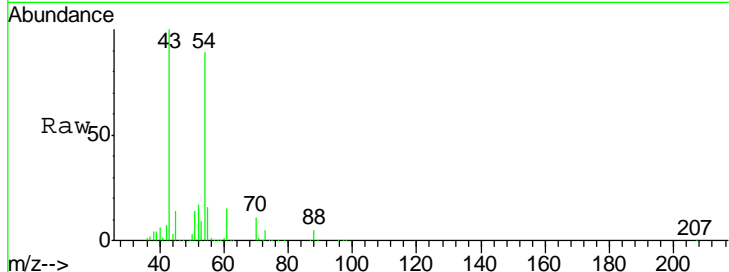
#37
 Ethyl Acetate
 Concen: 145.319 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.4	8.2	12.2

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

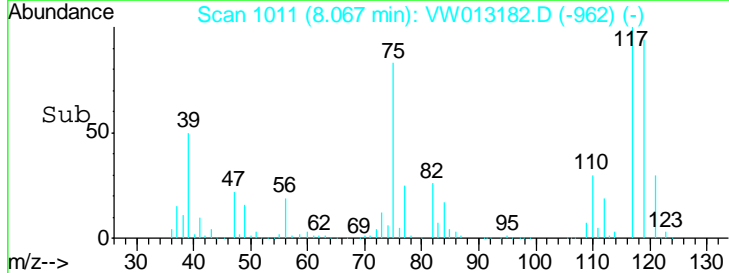
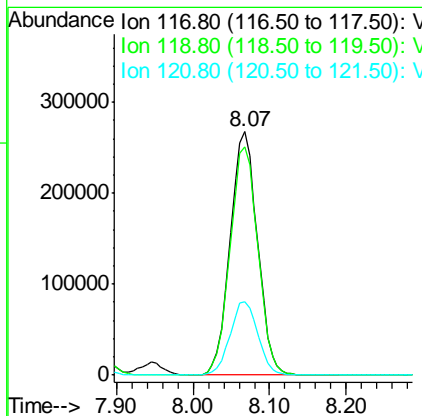
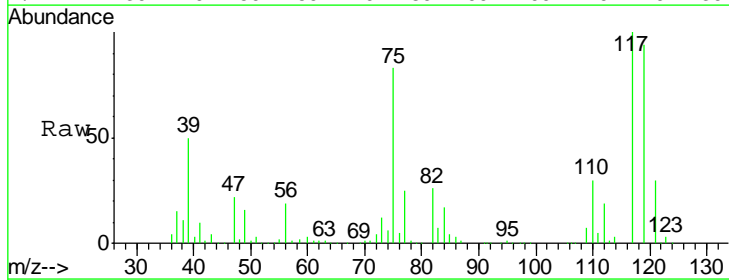
Manual Integrations APPROVED

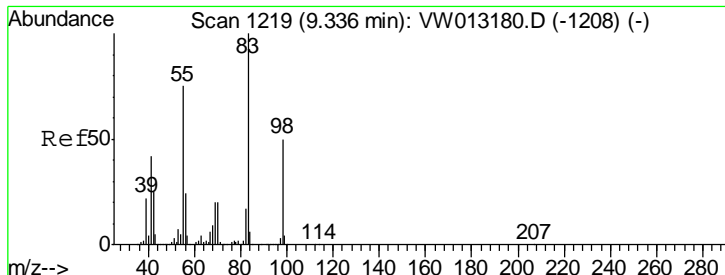
MMDadoda
 9/24/2019 5:28:49 AM



#38
 Carbon Tetrachloride
 Concen: 146.787 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
117	100		
119	93.7	73.5	110.3
121	30.2	25.0	37.6





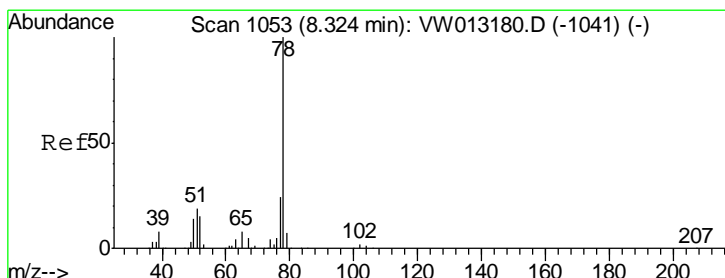
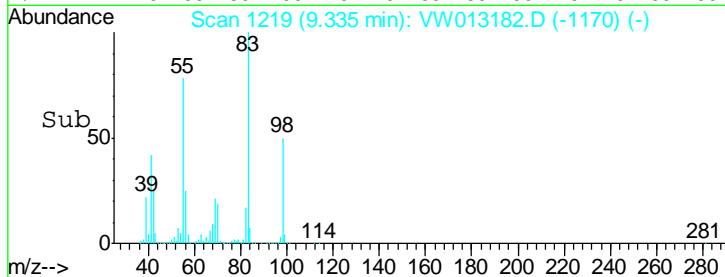
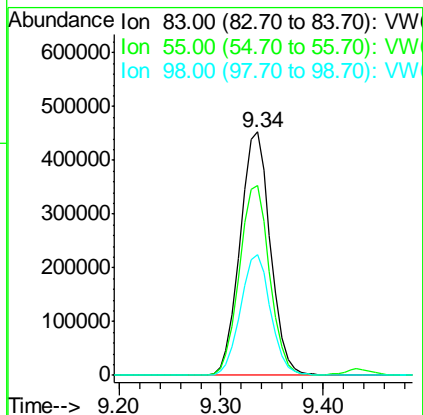
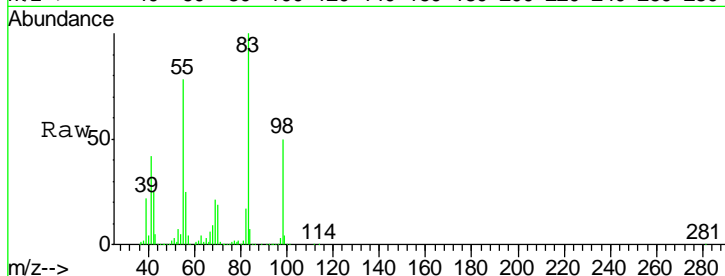
#39
 Methylcyclohexane
 Concen: 145.185 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	937437		
83	100		
55	77.9	60.4	90.6
98	49.6	40.0	60.0

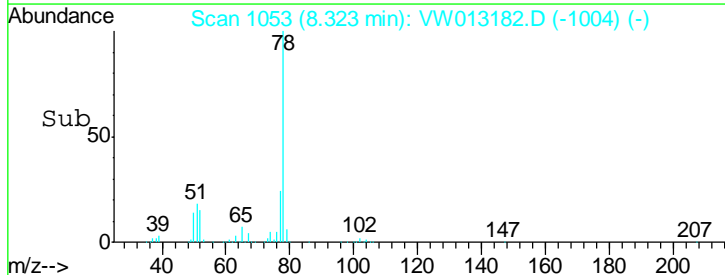
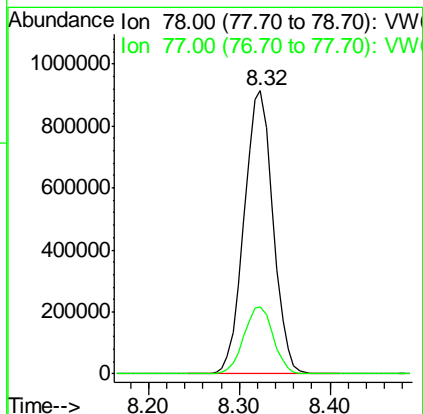
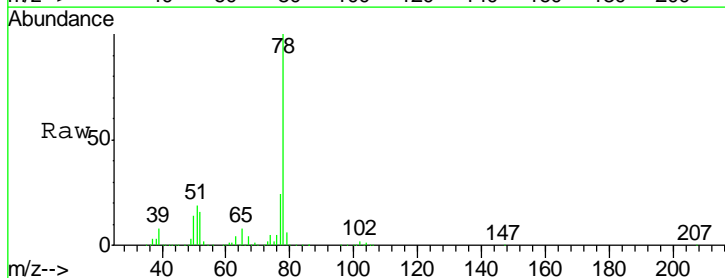
Manual Integrations
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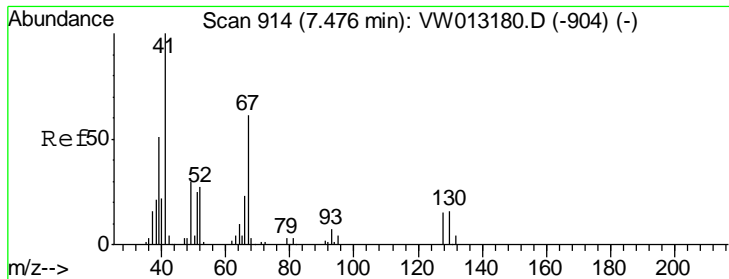
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#40
 Benzene
 Concen: 143.760 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
78	2014718		
78	100		
77	23.7	19.1	28.7





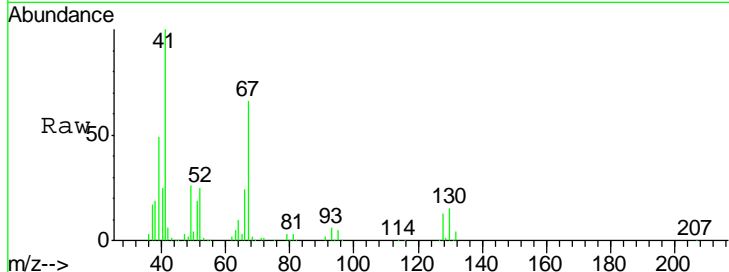
#41
 Methacrylonitrile
 Concen: 158.155 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

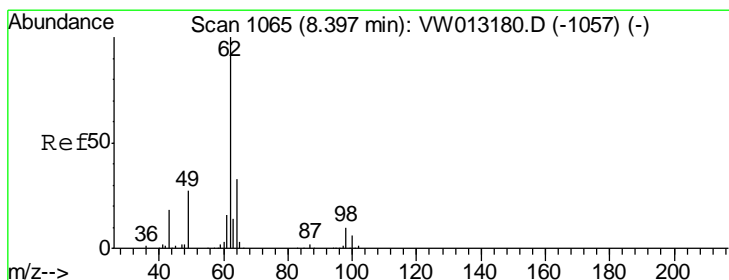
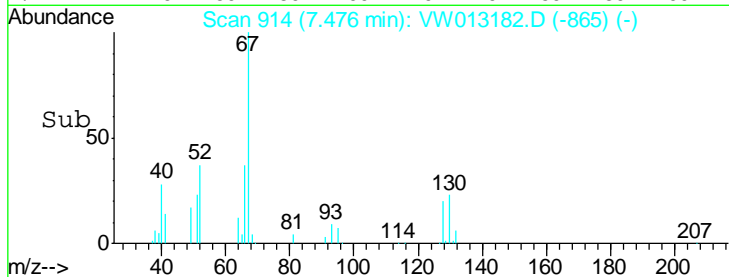
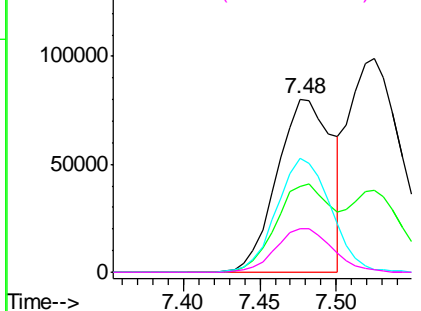
Tgt Ion	Resp	Lower	Upper
41	100		
39	50.6	45.9	68.9
67	64.7	54.5	81.7
52	26.0	22.5	33.7

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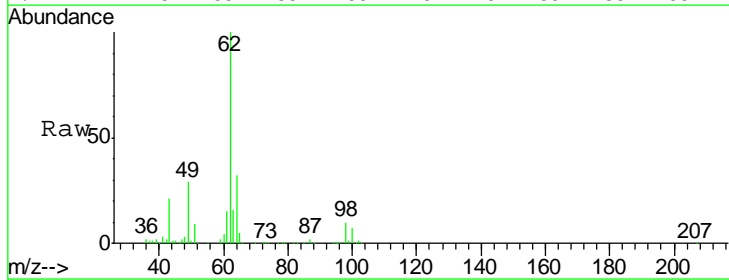


Abundance Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW
 Ion 67.00 (66.70 to 67.70): VW
 Ion 52.00 (51.70 to 52.70): VW

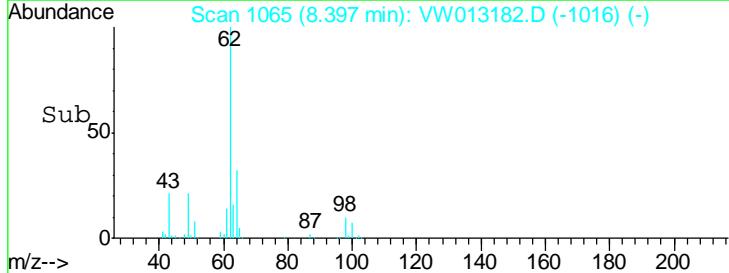
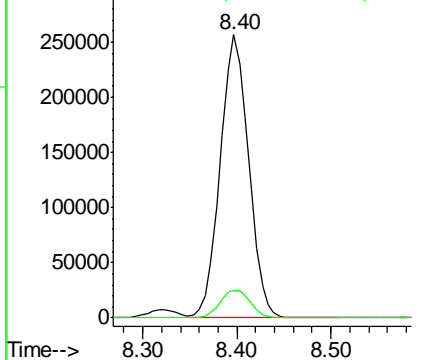


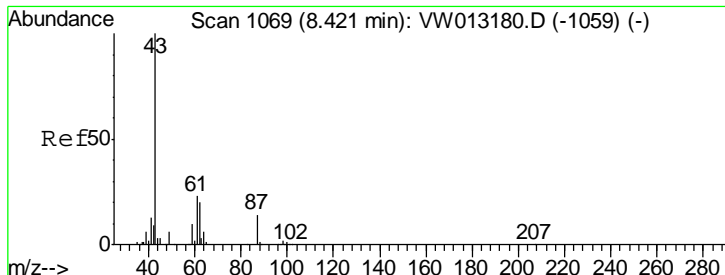
#42
 1,2-Dichloroethane
 Concen: 142.883 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.5	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
 Ion 97.90 (97.60 to 98.60): VW





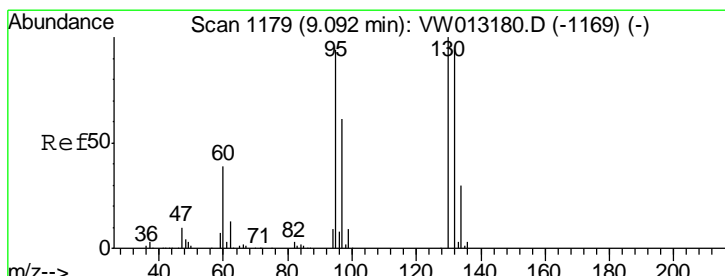
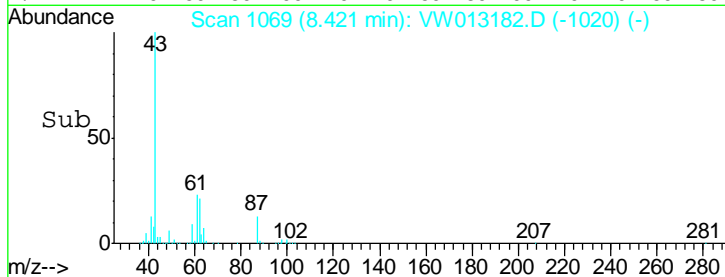
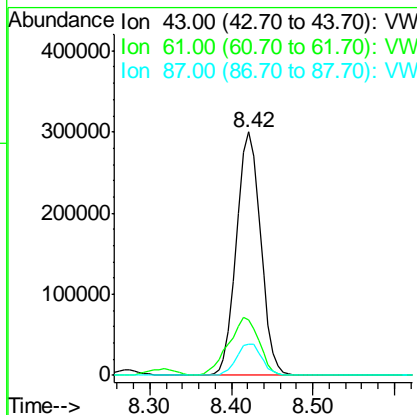
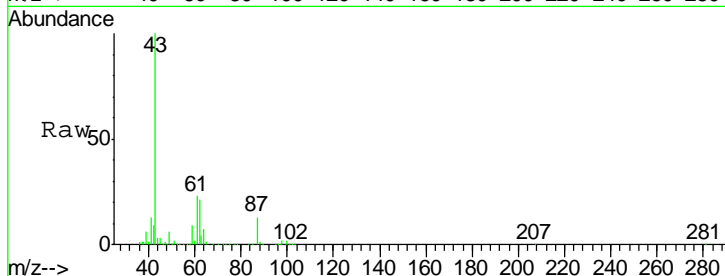
#43
 Isopropyl Acetate
 Concen: 149.719 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.4	25.5	38.3
87	13.5	11.0	16.4

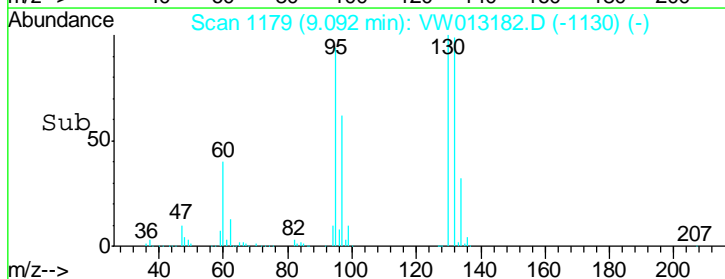
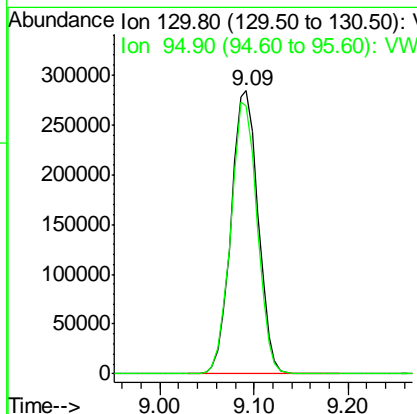
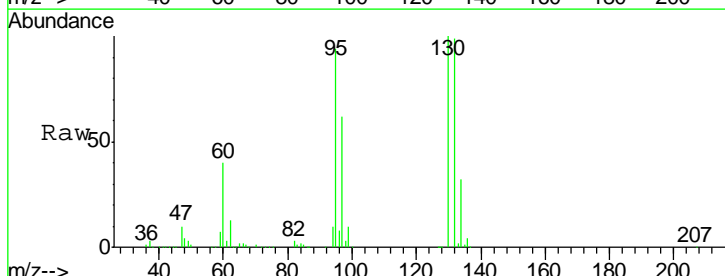
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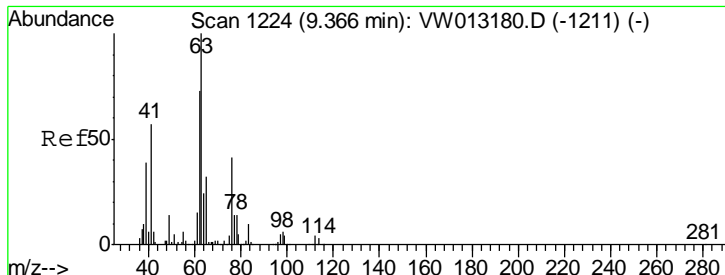
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#44
 Trichloroethene
 Concen: 144.073 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.5	0.0	188.0





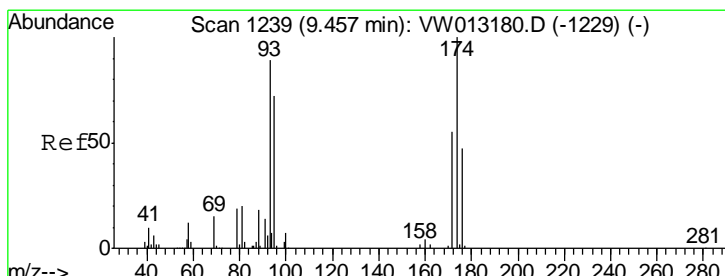
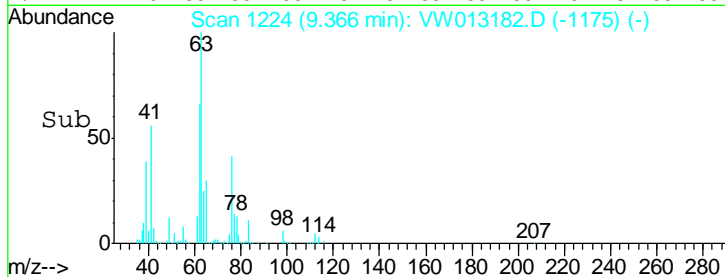
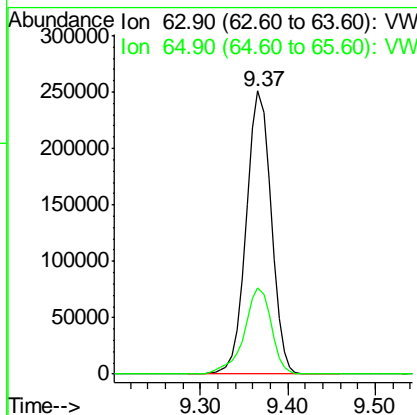
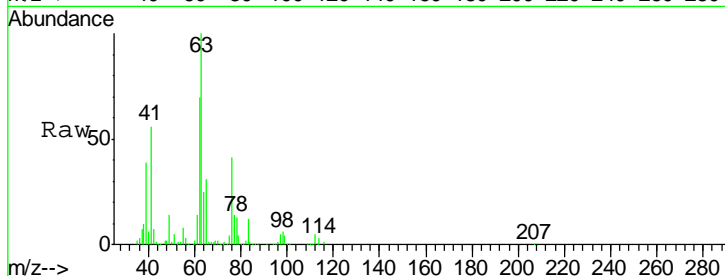
#45
 1,2-Dichloropropane
 Concen: 145.117 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.6	25.3	37.9

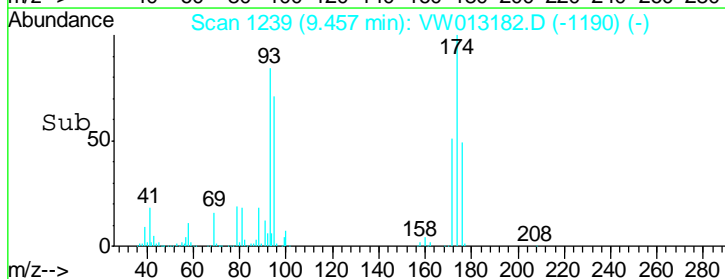
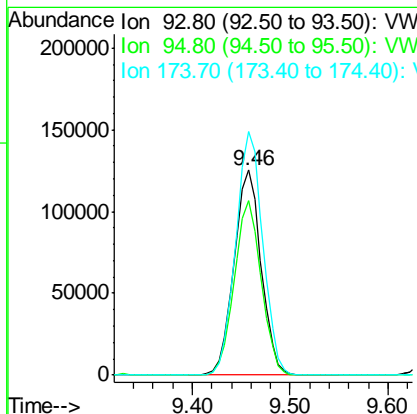
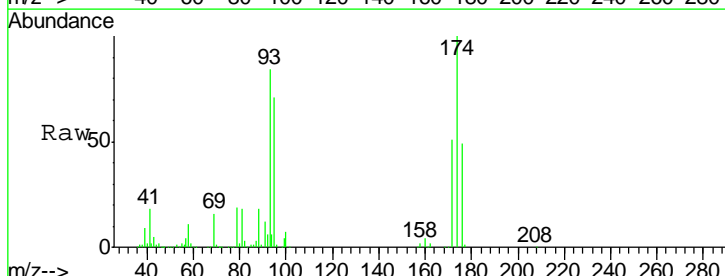
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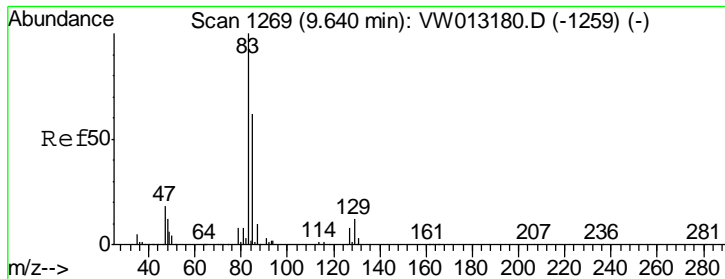
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#46
 Dibromomethane
 Concen: 144.779 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.6	66.4	99.6
174	119.2	93.0	139.6





#47

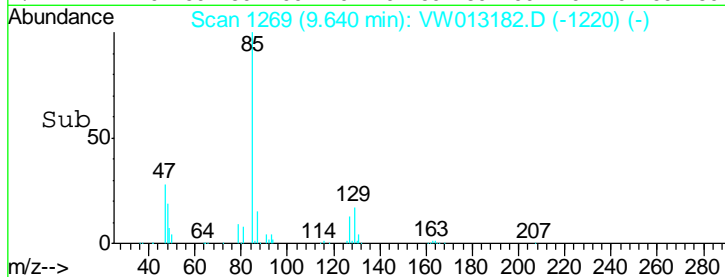
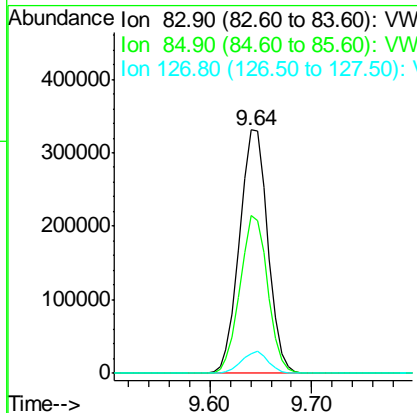
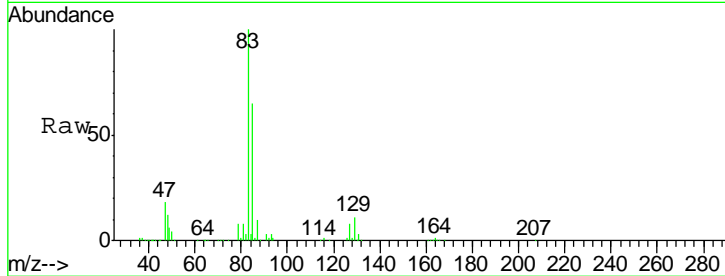
Bromodichloromethane
 Concen: 150.635 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	636710		
85	65.0	49.4	74.2
127	8.3	6.5	9.7

Manual Integrations
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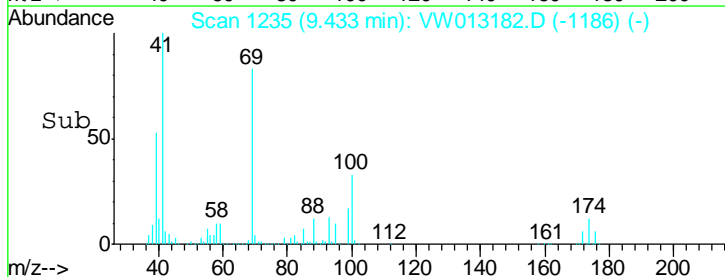
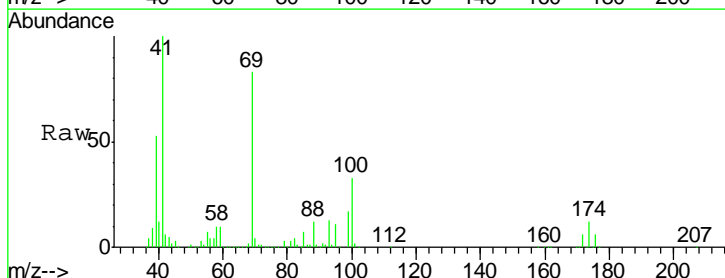
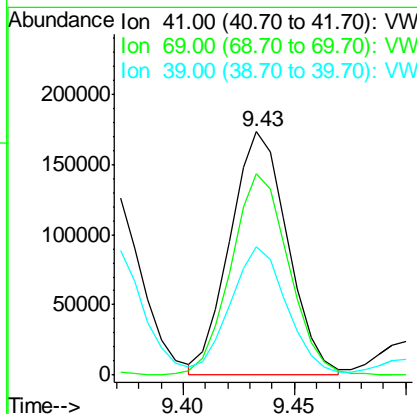
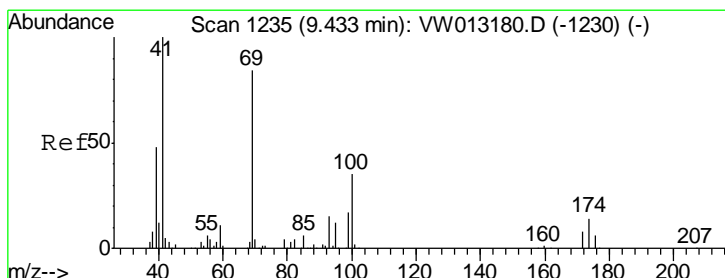
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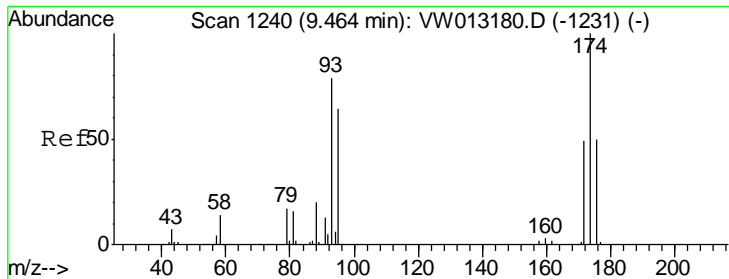


#48

Methyl methacrylate
 Concen: 161.586 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
41	310963		
69	83.6	69.7	104.5
39	49.6	41.1	61.7





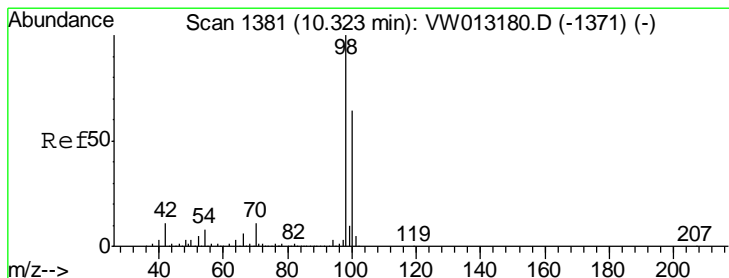
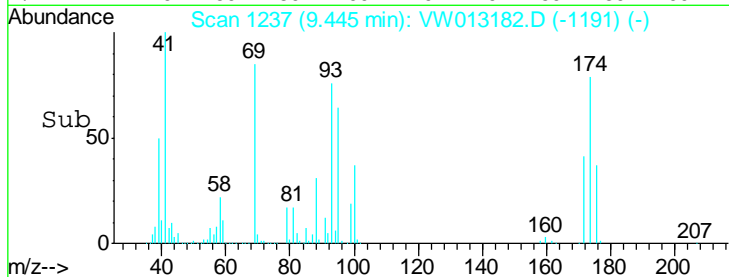
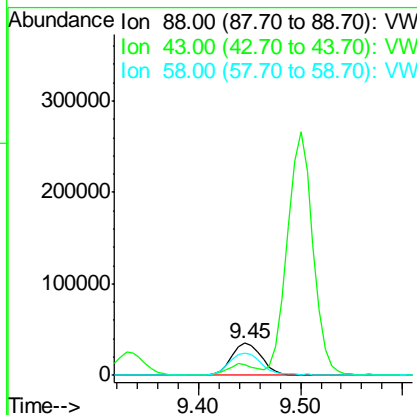
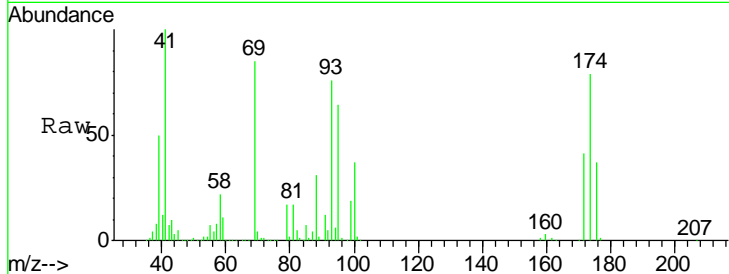
#49
 1,4-Dioxane
 Concen: 2922.507 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.02 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
88	72872		
88	100		
43	33.4	0.0	0.0#
58	74.8	65.4	98.0

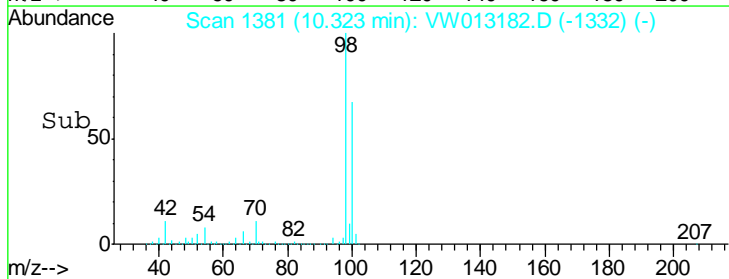
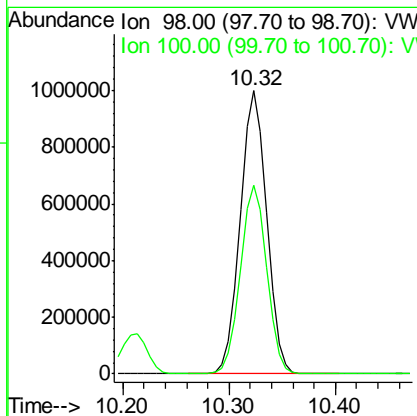
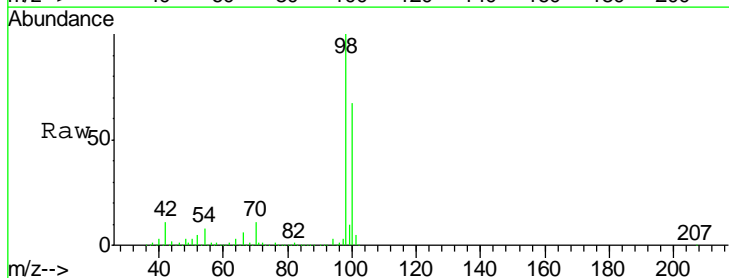
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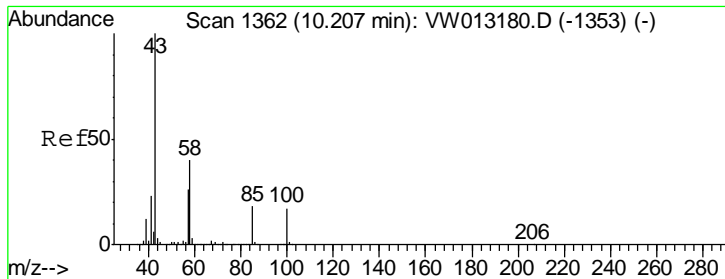
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#50
 Toluene-d8
 Concen: 146.029 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
98	1743654		
98	100		
100	66.5	52.9	79.3





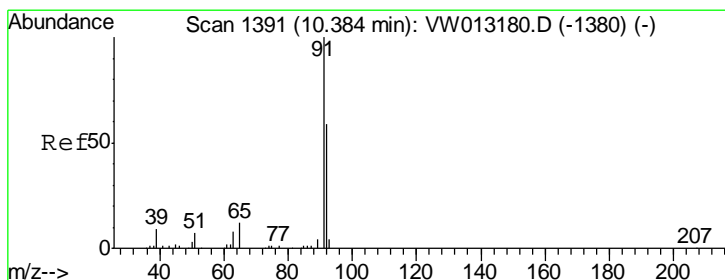
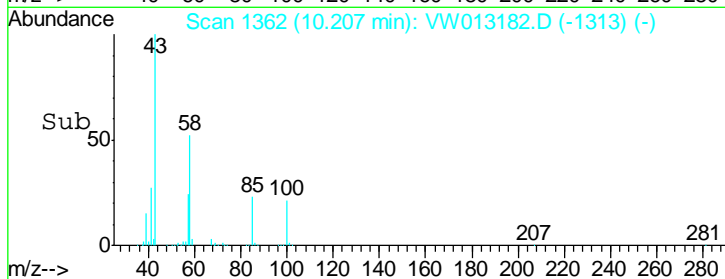
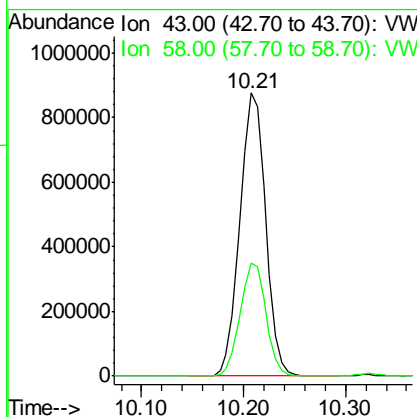
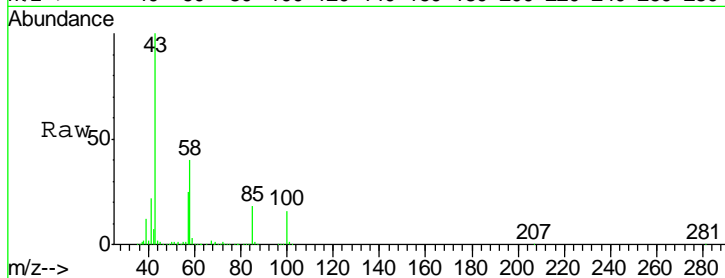
#51
 4-Methyl-2-Pentanone
 Concen: 747.477 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.1	31.7	47.5

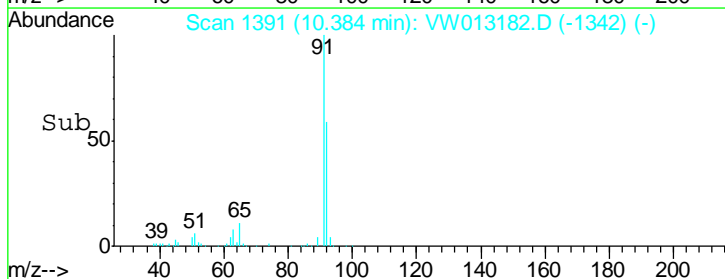
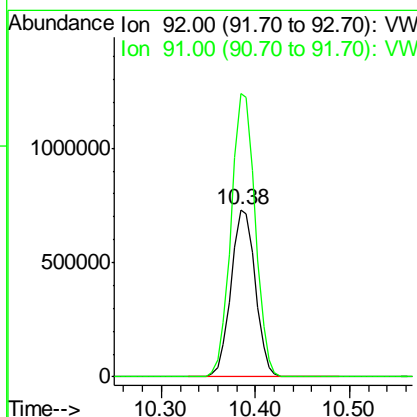
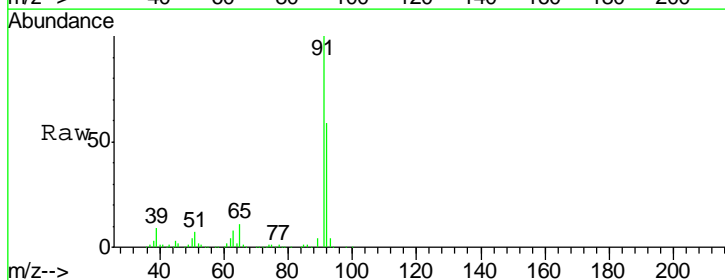
Manual Integrations
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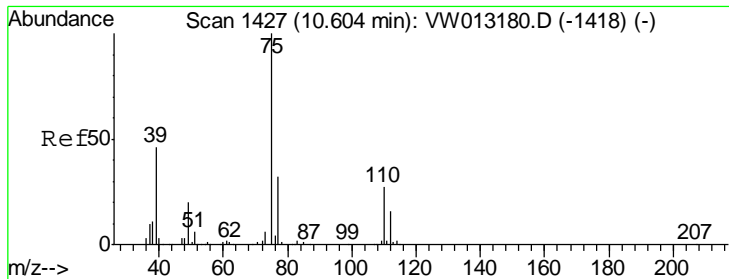
MMDadoda
 9/24/2019 5:28:49 AM



#52
 Toluene
 Concen: 145.263 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
92	100		
91	168.7	135.7	203.5





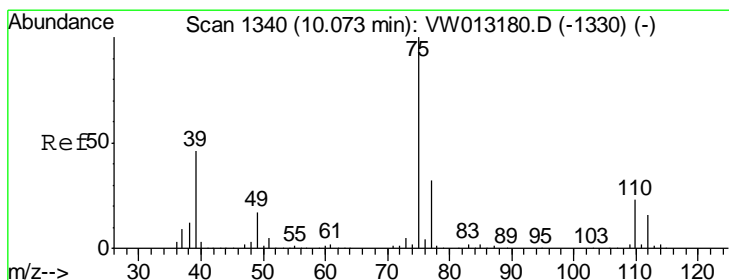
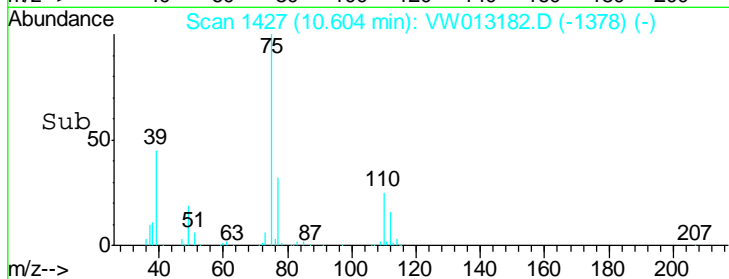
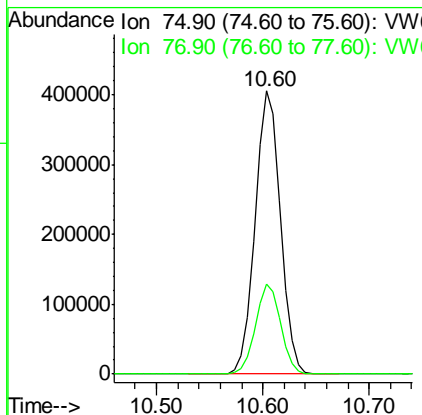
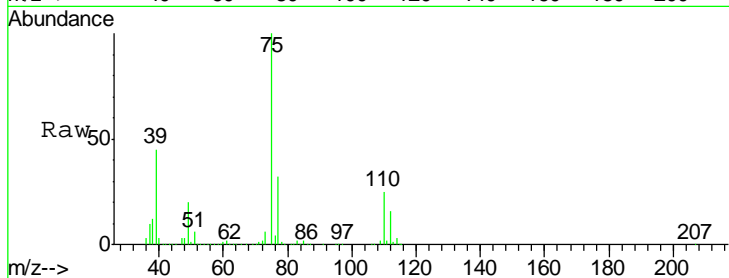
#53
 t-1,3-Dichloropropene
 Concen: 155.473 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.9	25.5	38.3

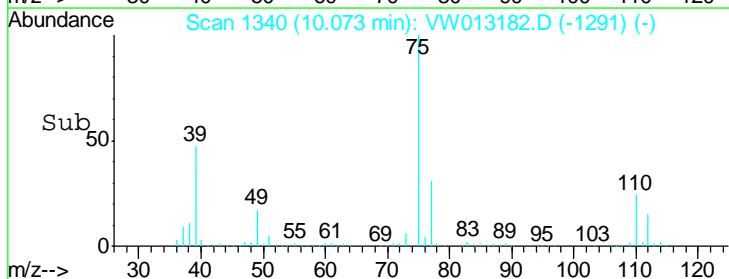
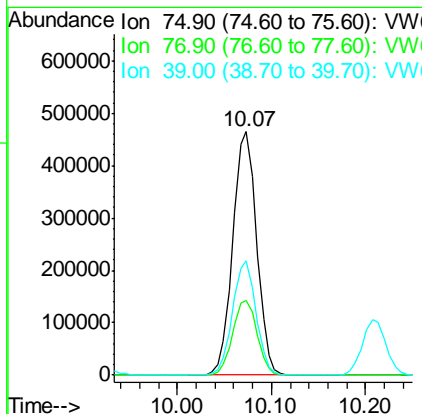
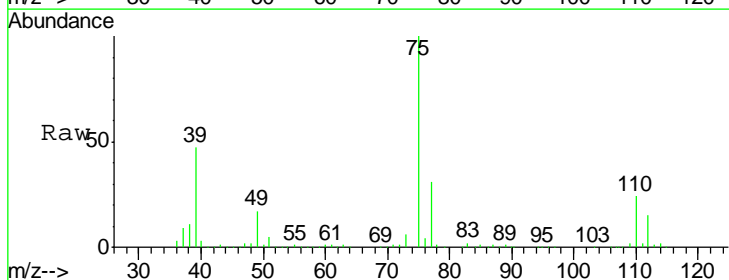
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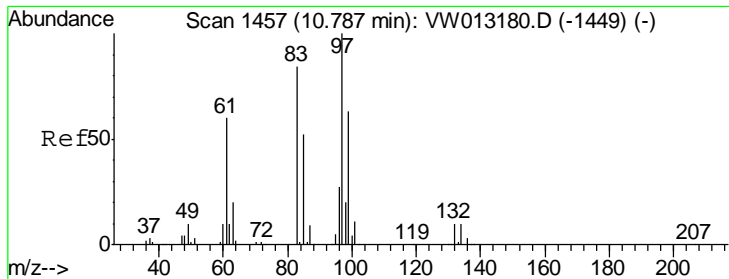
MMDadoda
 9/24/2019 5:28:49 AM



#54
 cis-1,3-Dichloropropene
 Concen: 154.959 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	46.7	36.6	55.0





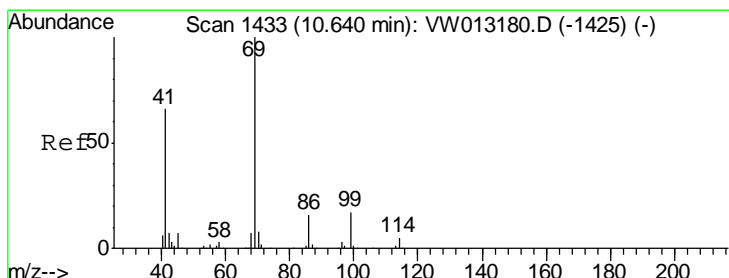
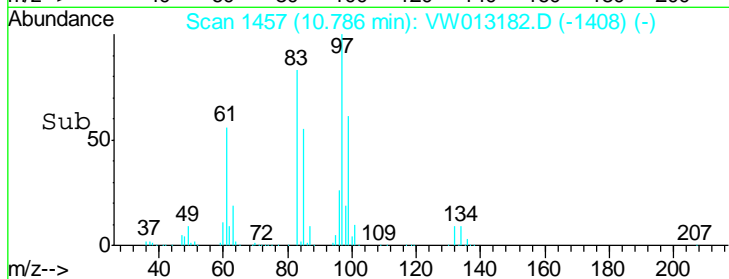
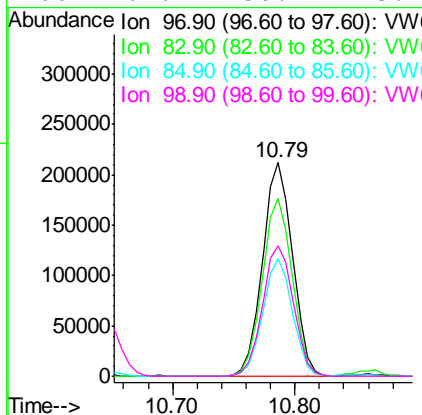
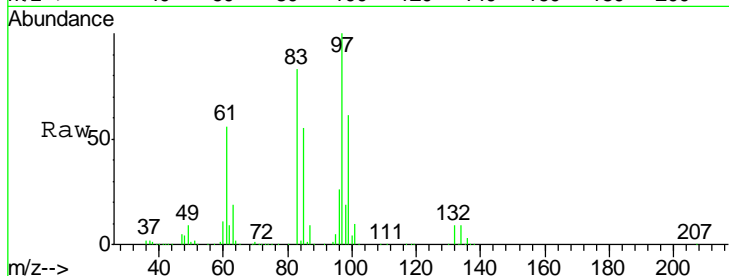
#55
 1,1,2-Trichloroethane
 Concen: 146.059 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
97	100		
83	83.5	67.6	101.4
85	54.9	41.9	62.9
99	61.2	50.1	75.1

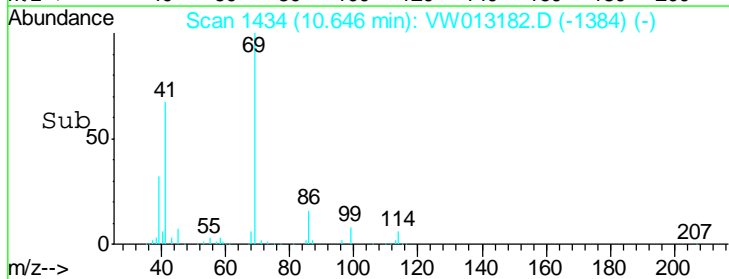
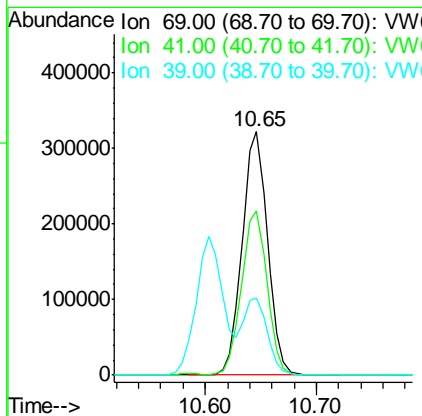
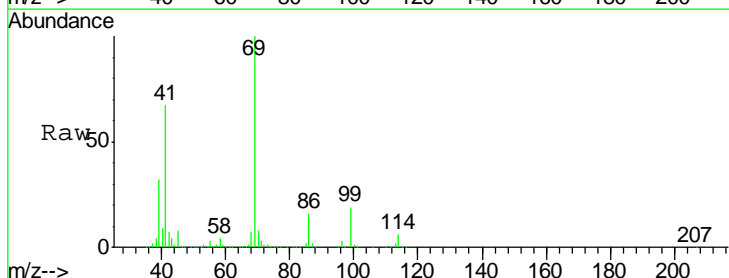
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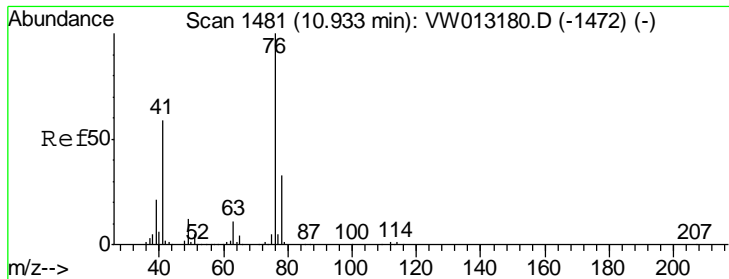
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#56
 Ethyl methacrylate
 Concen: 156.852 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
69	100		
41	67.8	53.9	80.9
39	29.4	23.8	35.6





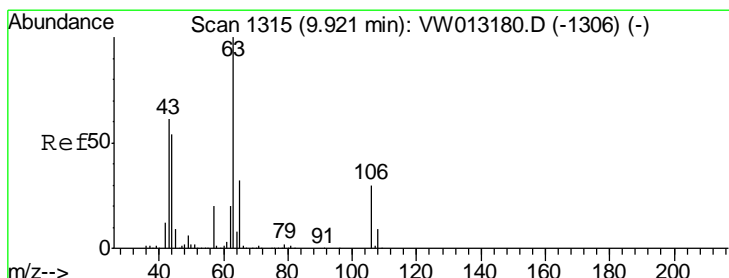
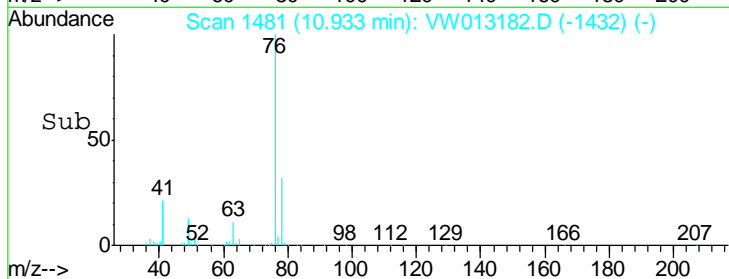
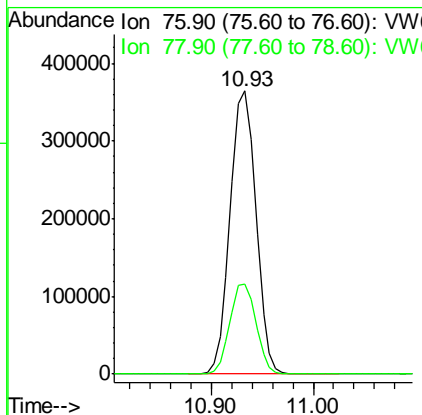
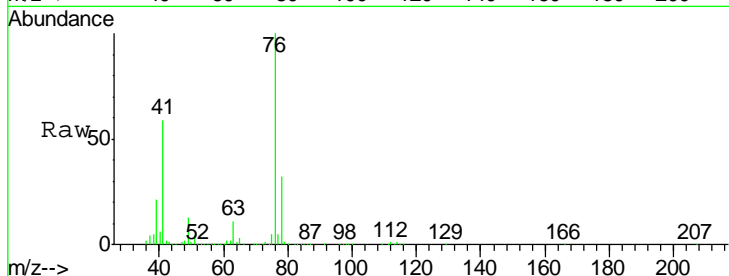
#57
 1,3-Dichloropropane
 Concen: 147.289 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	638161		
76	100		
78	32.2	25.5	38.3

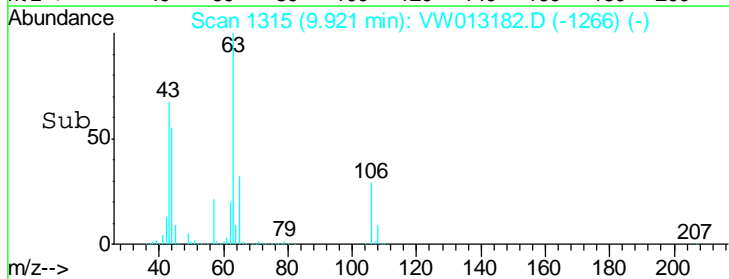
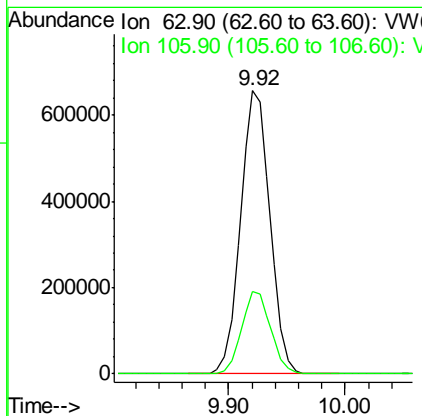
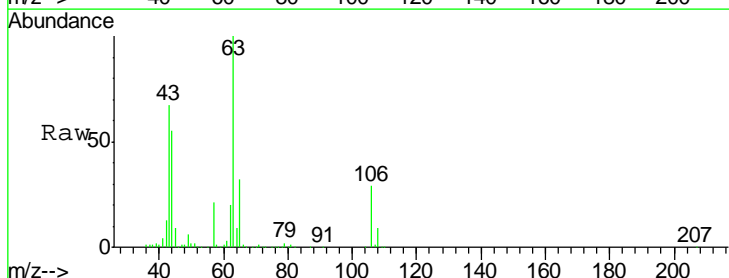
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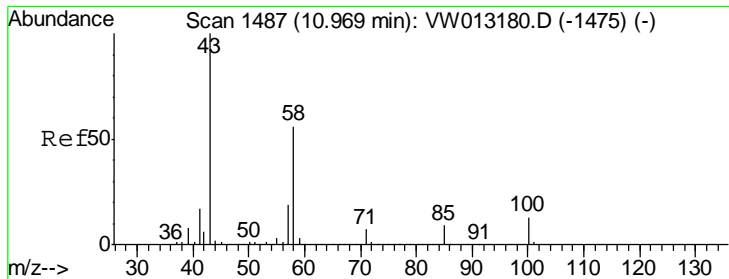
MMDadoda
 9/24/2019 5:28:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 764.671 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
63	1150289		
63	100		
106	28.8	23.4	35.0





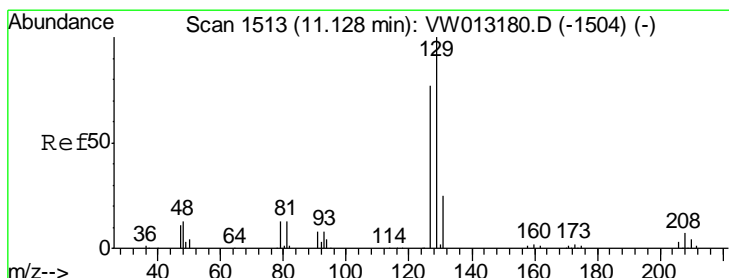
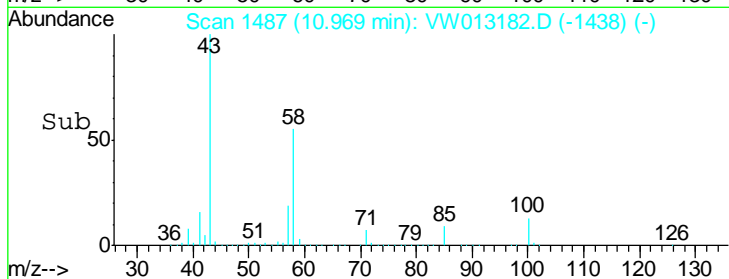
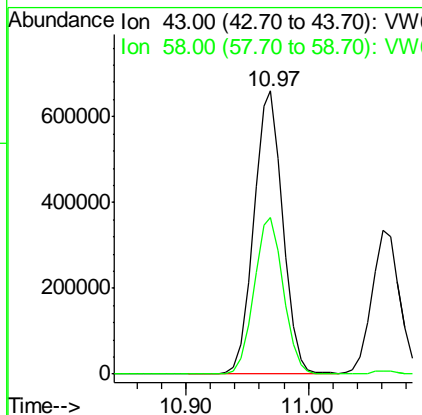
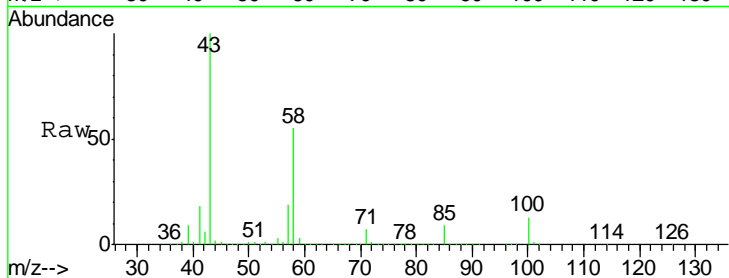
#59
 2-Hexanone
 Concen: 769.299 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDICC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.0	28.1	84.2

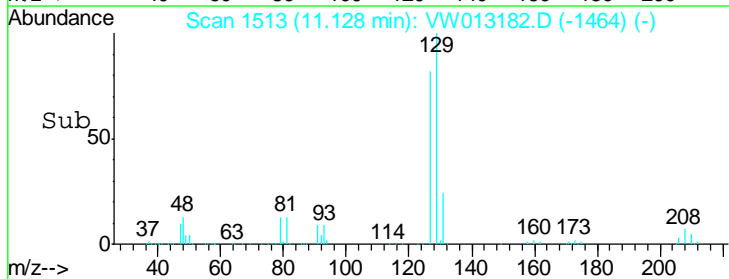
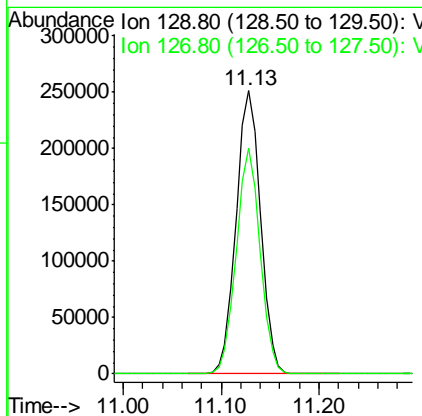
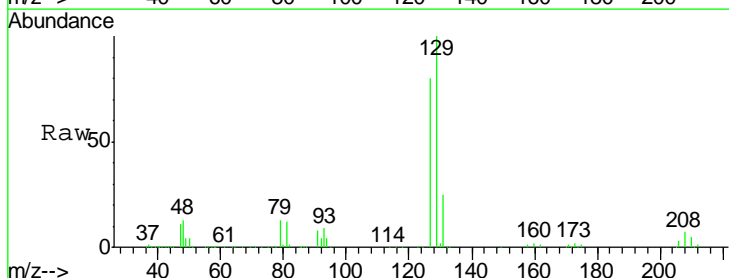
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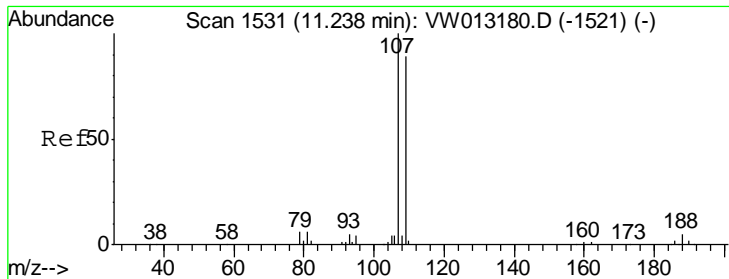
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#60
 Dibromochloromethane
 Concen: 155.134 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.6	38.8	116.4





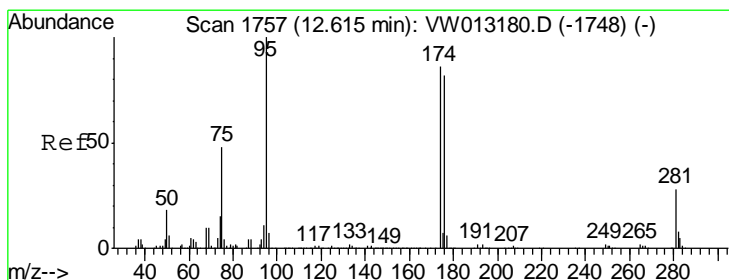
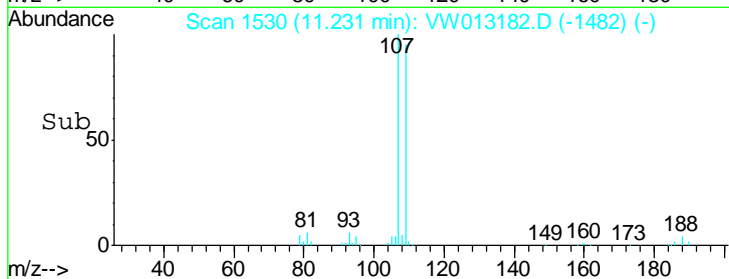
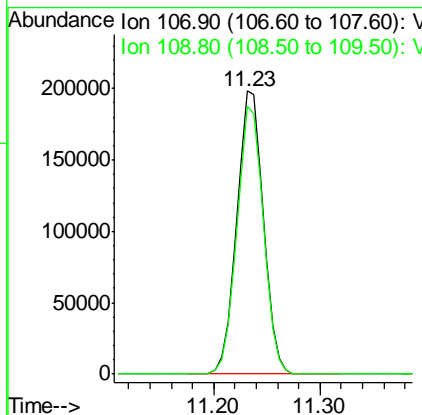
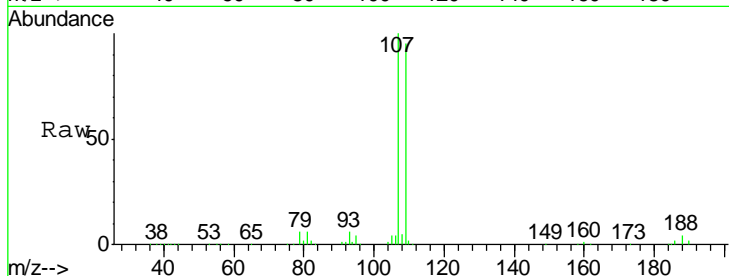
#61
 1,2-Dibromoethane
 Concen: 147.733 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.3	75.2	112.8

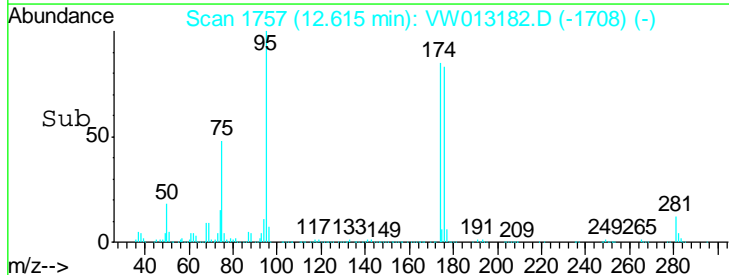
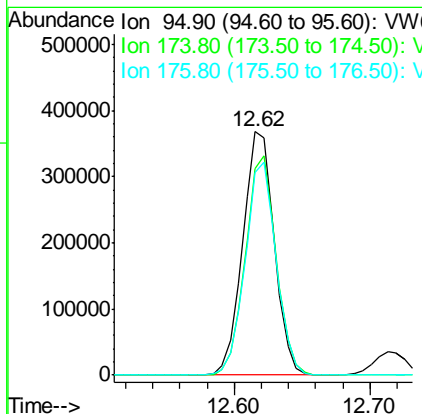
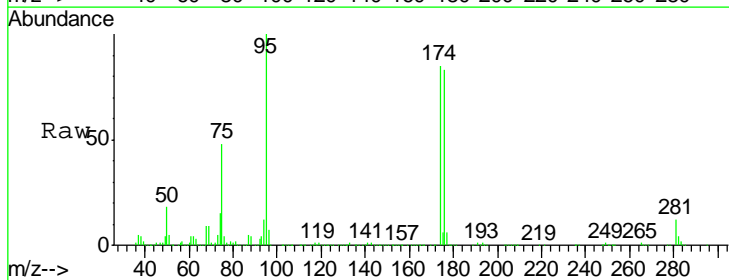
Manual Integrations
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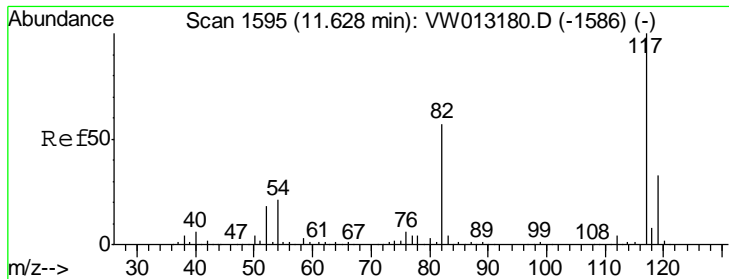
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#62
 4-Bromofluorobenzene
 Concen: 145.811 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.4	0.0	178.4
176	86.2	0.0	172.2





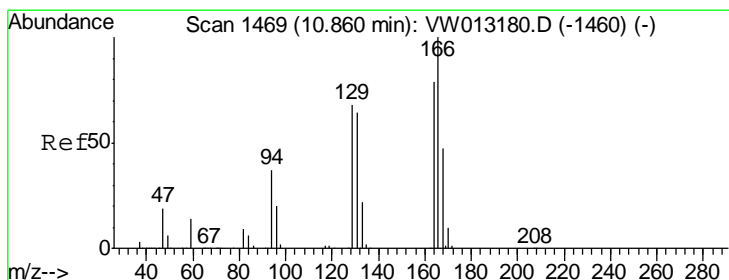
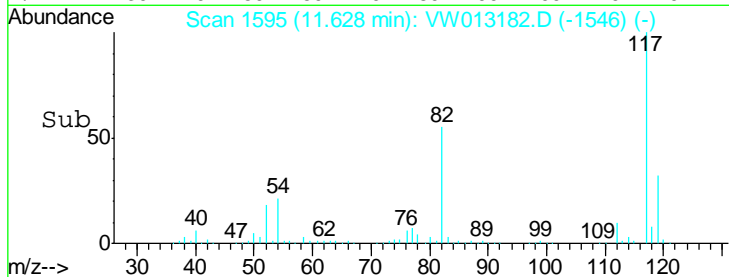
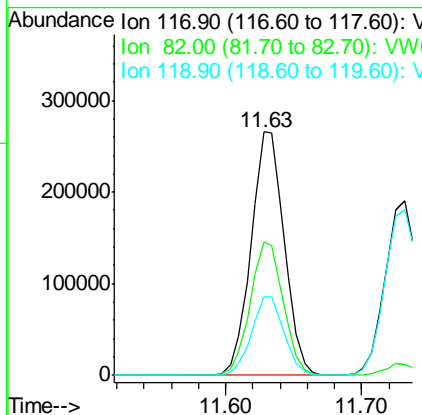
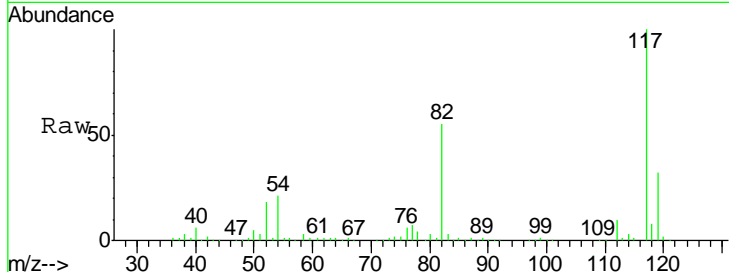
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
117	100		
82	55.1	45.9	68.9
119	32.2	26.2	39.2

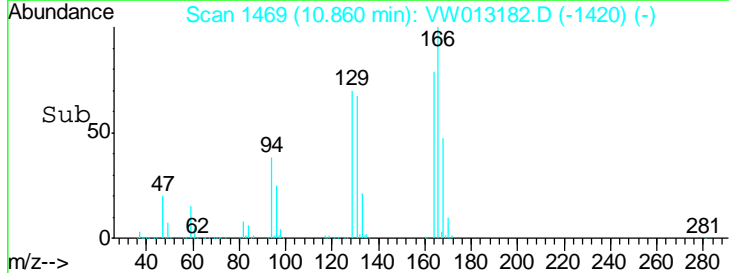
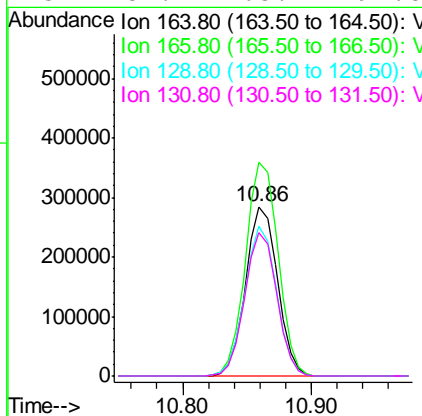
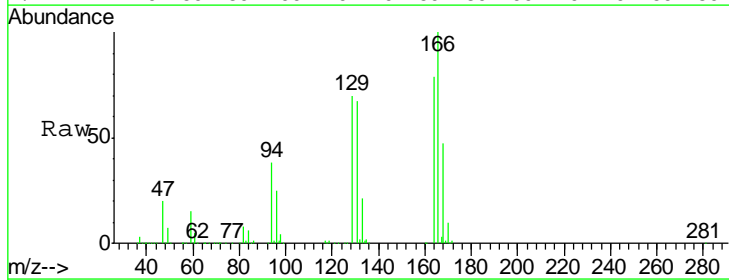
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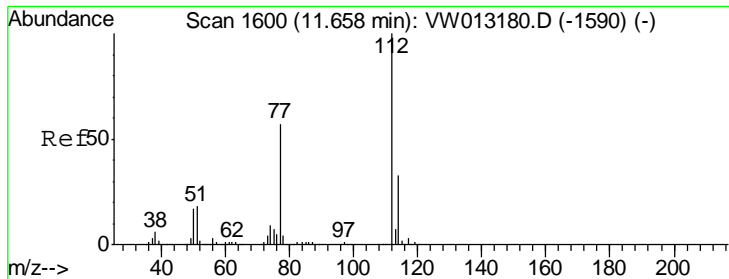
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#64
 Tetrachloroethene
 Concen: 140.964 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
164	100		
166	126.0	101.2	151.8
129	88.2	68.8	103.2
131	84.4	65.2	97.8





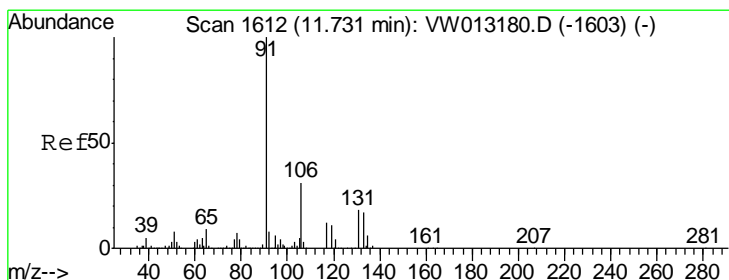
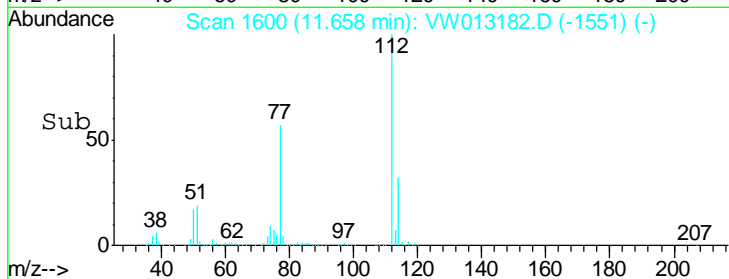
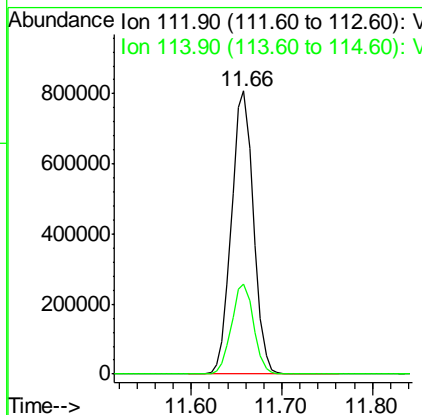
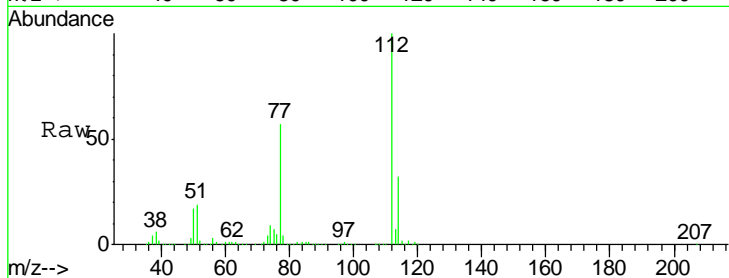
#65
 Chlorobenzene
 Concen: 143.379 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion:112 Resp: 1358539
 Ion Ratio Lower Upper
 112 100
 114 31.7 26.5 39.7

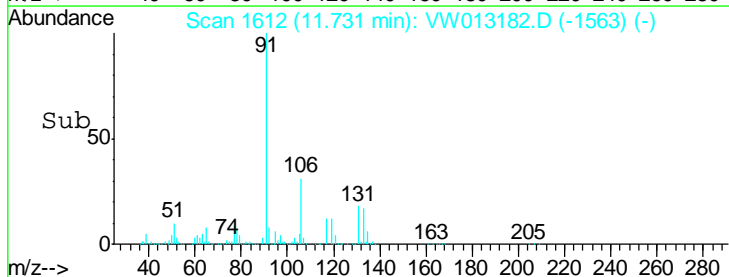
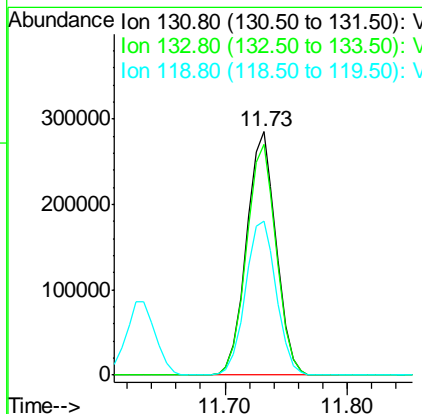
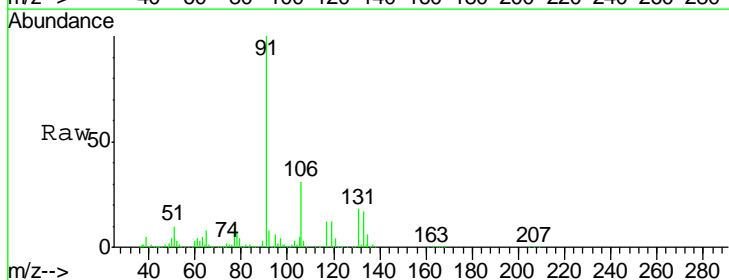
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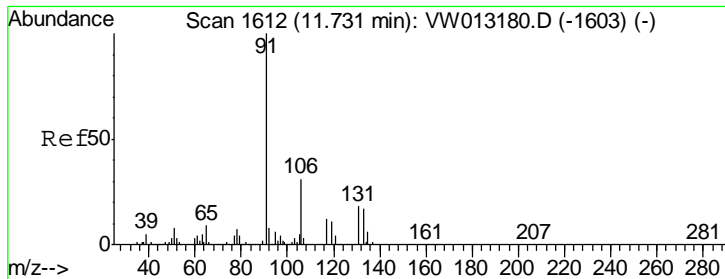
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 147.860 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion:131 Resp: 478627
 Ion Ratio Lower Upper
 131 100
 133 95.4 47.5 142.6
 119 65.7 32.5 97.5





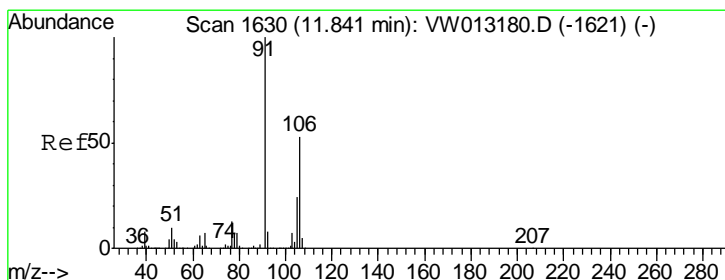
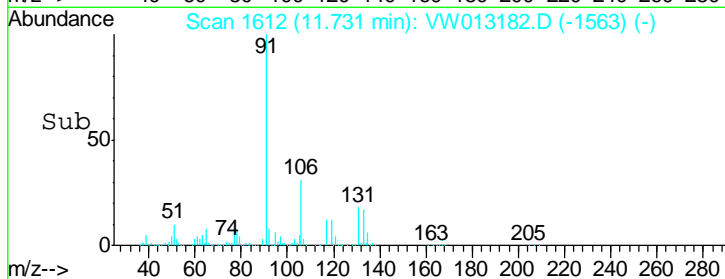
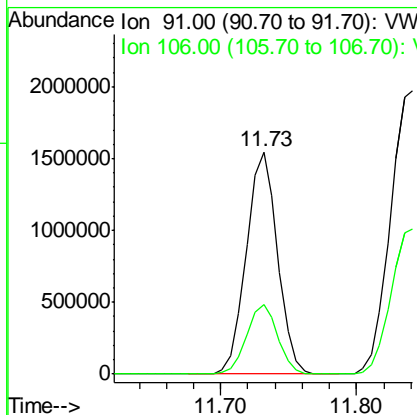
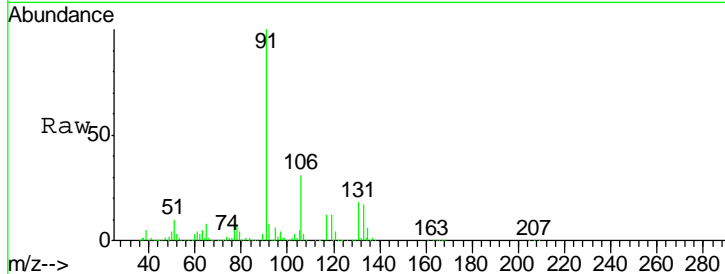
#67
Ethyl Benzene
Concen: 144.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
Client Sampled : VSTDIC150

Tgt Ion: 91 Resp: 2482158
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

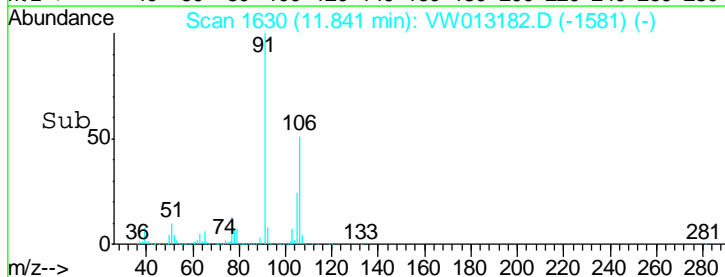
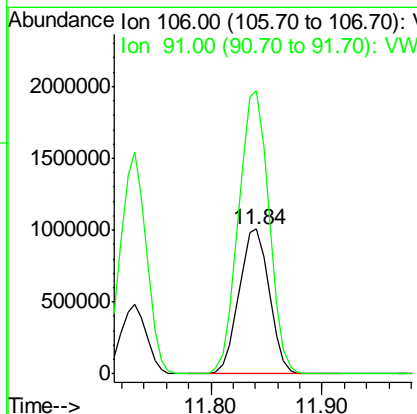
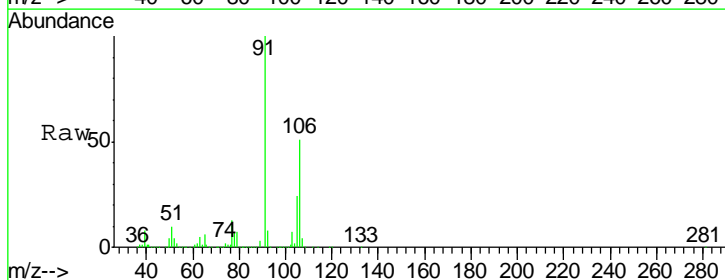
Manual Integrations
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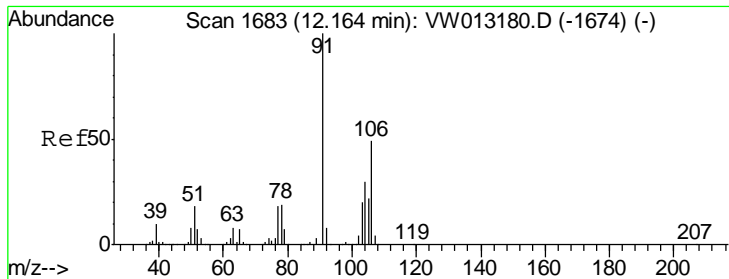
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#68
m/p-Xylenes
Concen: 289.860 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion: 106 Resp: 1896284
Ion Ratio Lower Upper
106 100
91 197.0 157.9 236.9





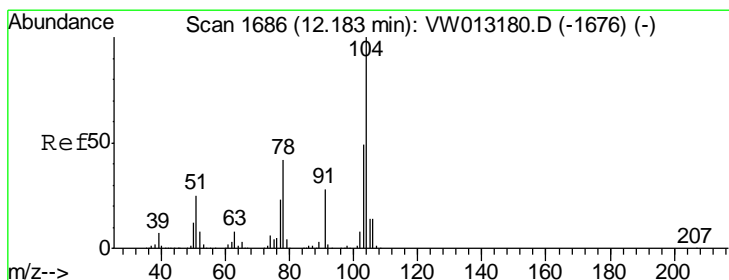
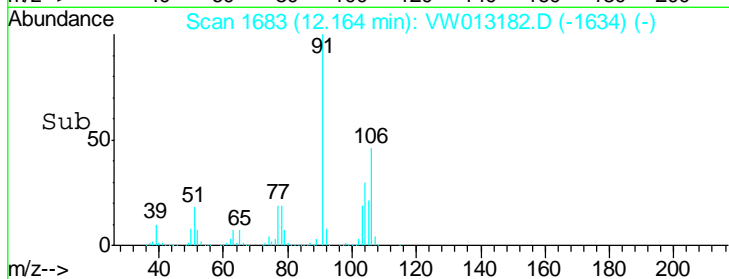
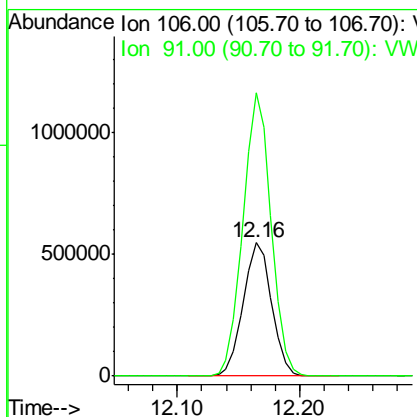
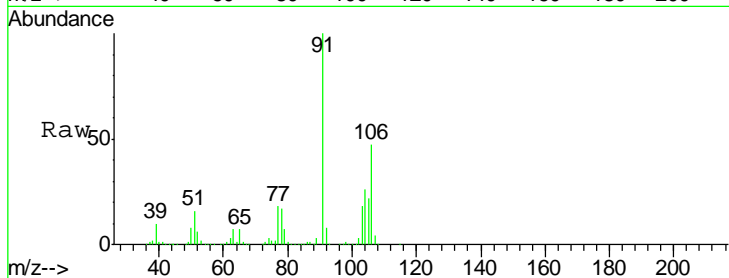
#69
 o-Xylene
 Concen: 144.967 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
106	881736		
106	100		
91	209.3	106.5	319.5

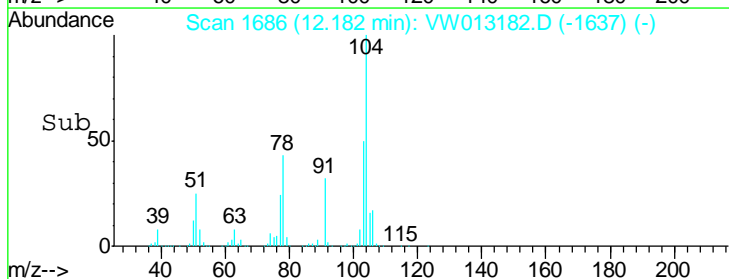
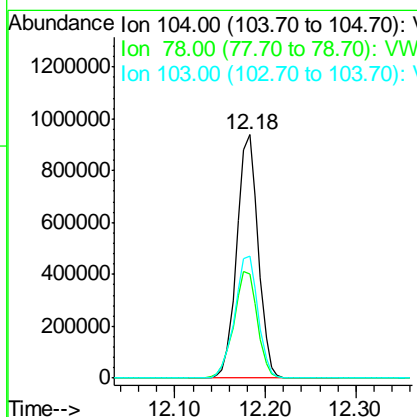
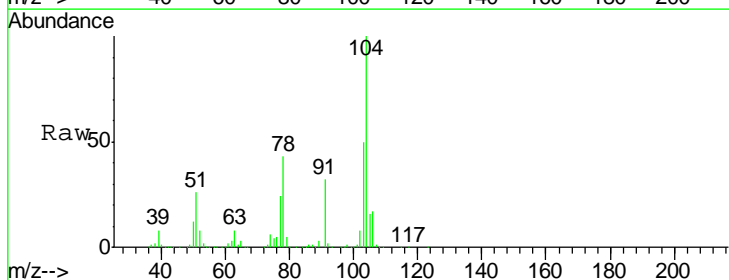
Manual Integrations
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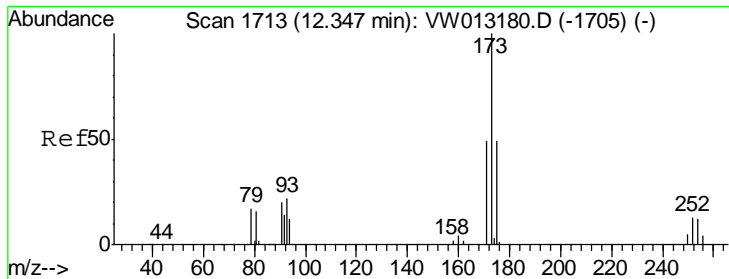
MMDadoda
 9/24/2019 5:28:49 AM



#70
 Styrene
 Concen: 146.518 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
104	1529950		
104	100		
78	48.1	38.4	57.6
103	54.7	43.3	64.9





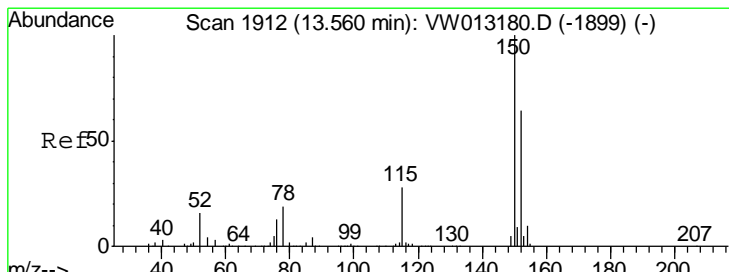
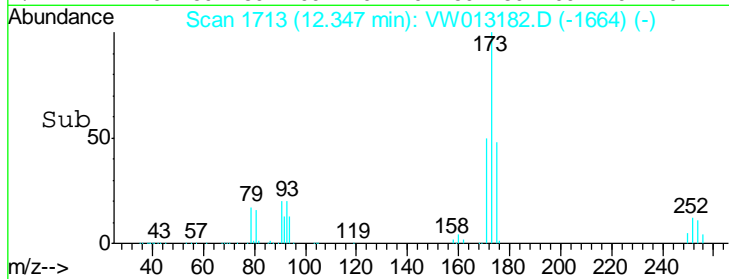
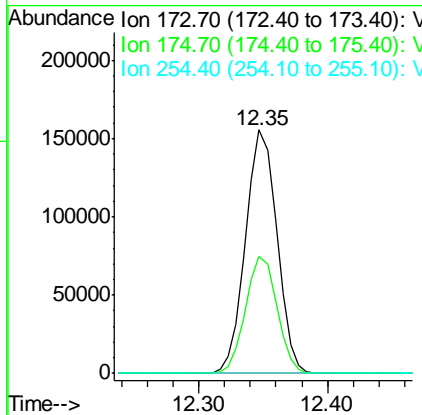
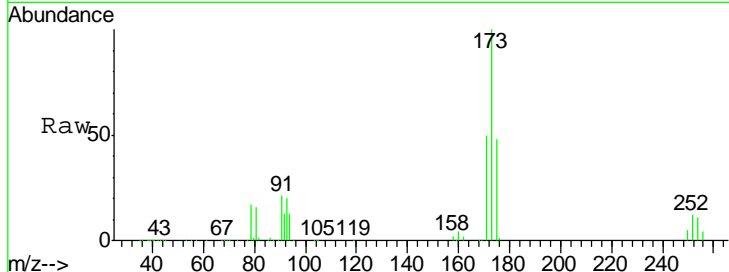
#71
 Bromoform
 Concen: 153.192 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.2	24.3	73.0
254	0.1	0.1	0.1

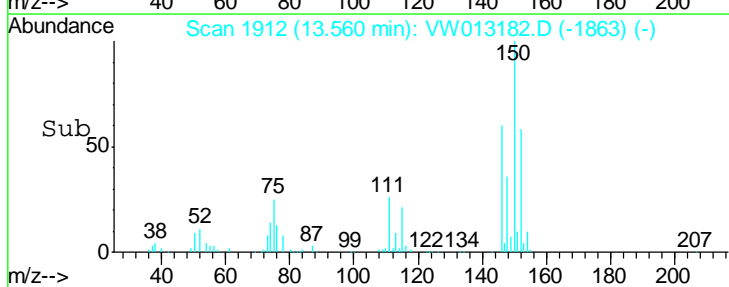
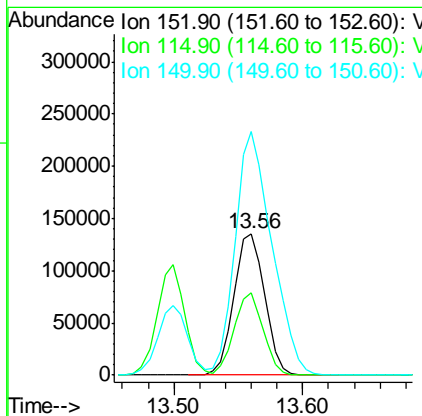
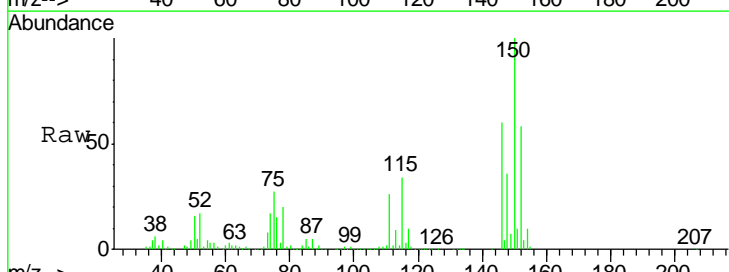
Manual Integrations
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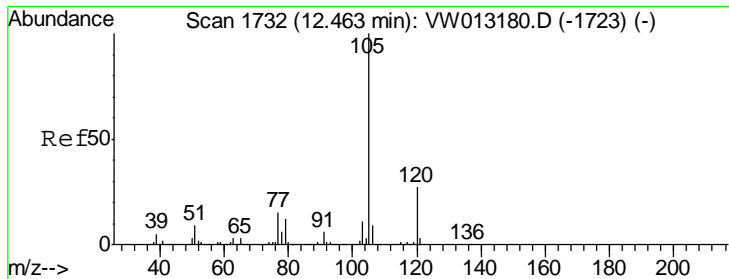
MMDadoda
 9/24/2019 5:28:49 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.9	27.3	81.9
150	205.7	0.0	349.0





#73
 Isopropylbenzene
 Concen: 146.832 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

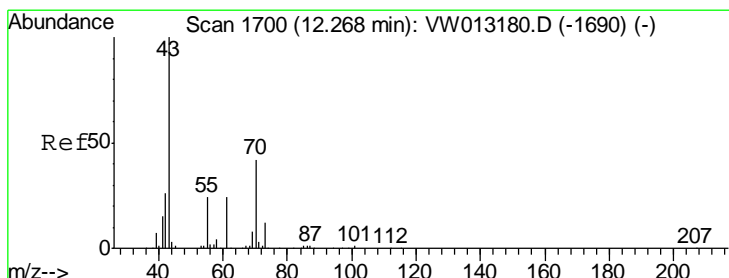
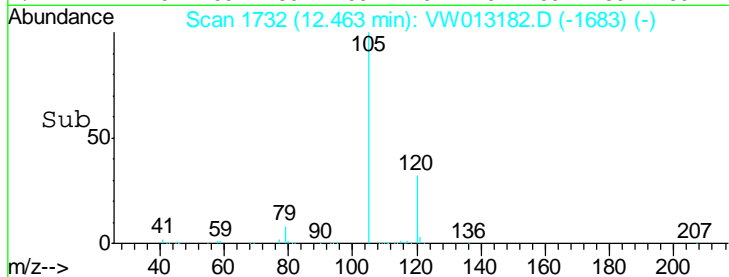
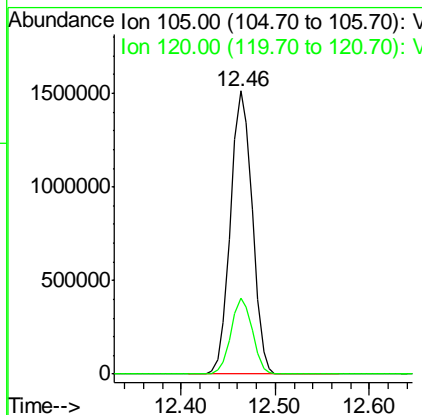
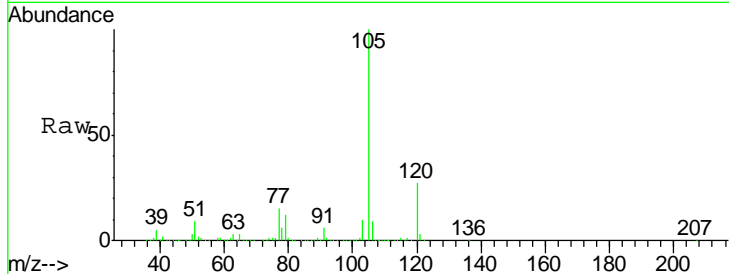
Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion: 105 Resp: 2425667

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.1

Manual Integrations
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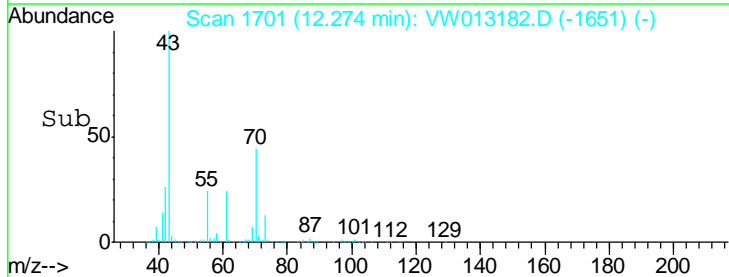
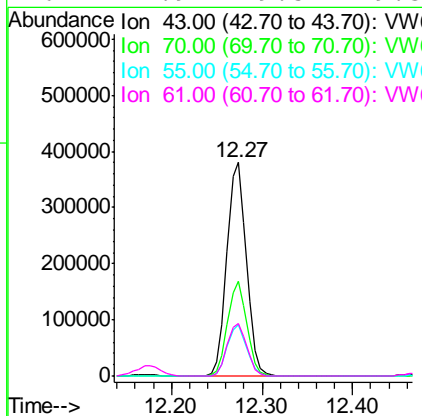
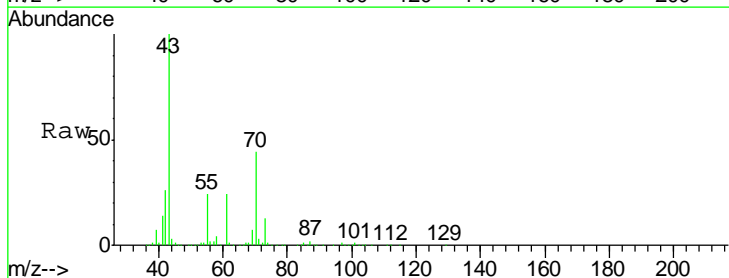
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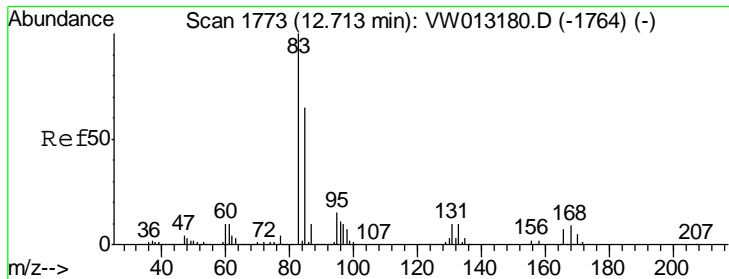


#74
 N-nyl acetate
 Concen: 155.514 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion: 43 Resp: 570083

Ion	Ratio	Lower	Upper
43	100		
70	43.7	35.1	52.7
55	24.1	19.9	29.9
61	24.9	19.5	29.3





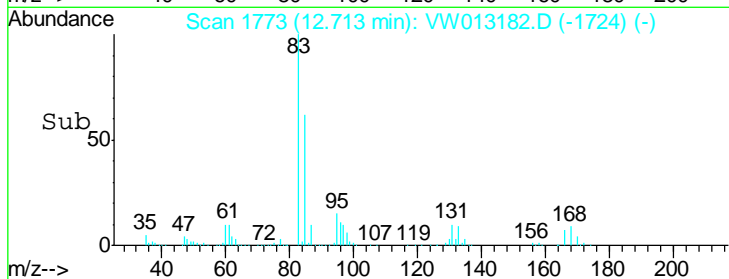
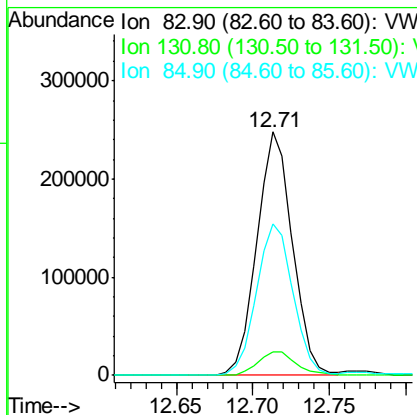
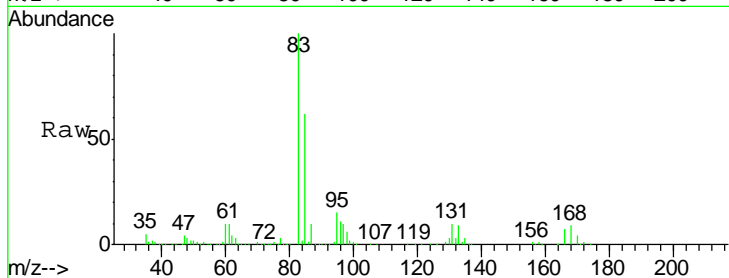
#75
 1,1,2,2-Tetrachloroethane
 Concen: 145.444 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	401840		
83	100		
131	10.7	5.4	16.2
85	63.8	31.9	95.9

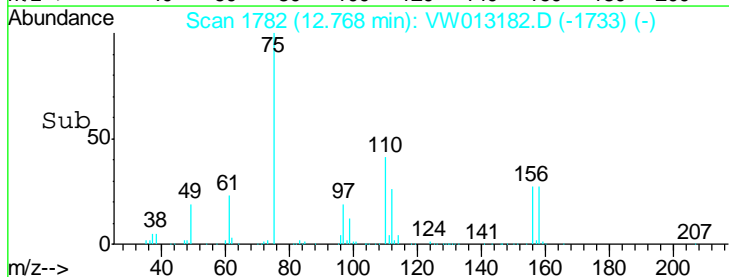
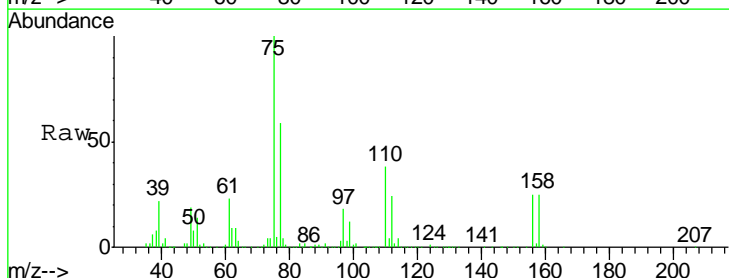
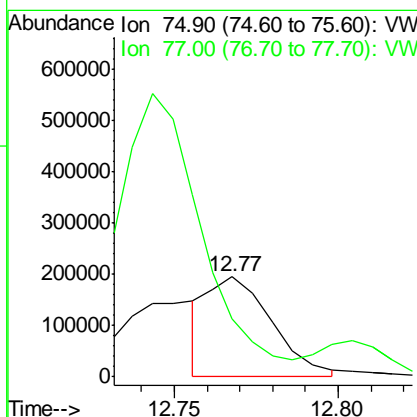
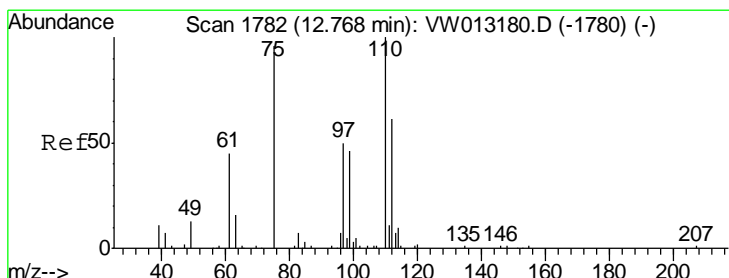
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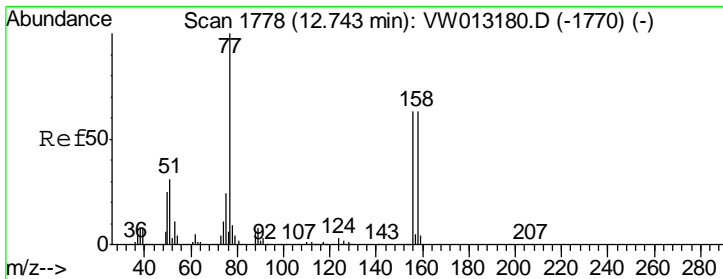
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 133.475 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
75	263611		
75	100		
77	0.0	0.0	0.0





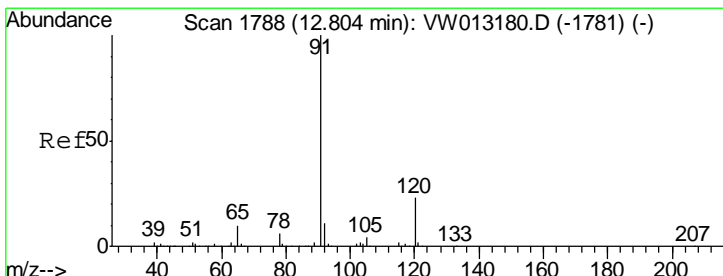
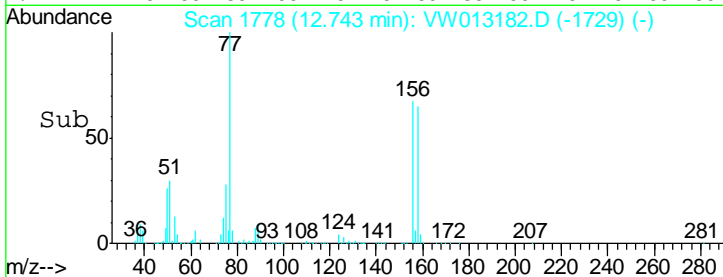
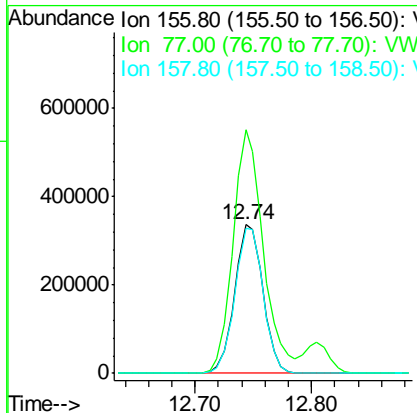
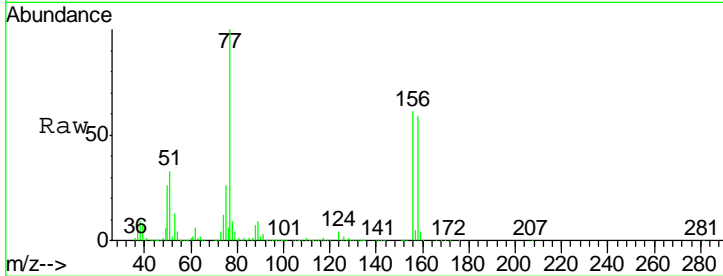
#77
 Bromobenzene
 Concen: 144.636 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
156	100		
77	176.3	85.7	257.1
158	98.0	48.1	144.4

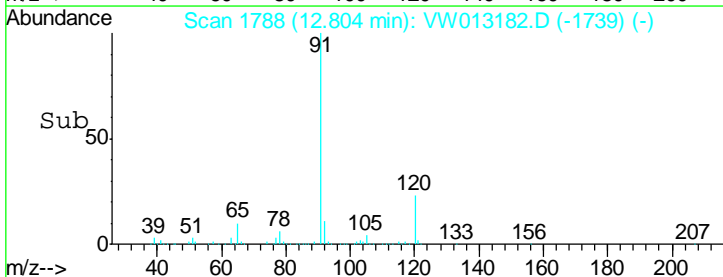
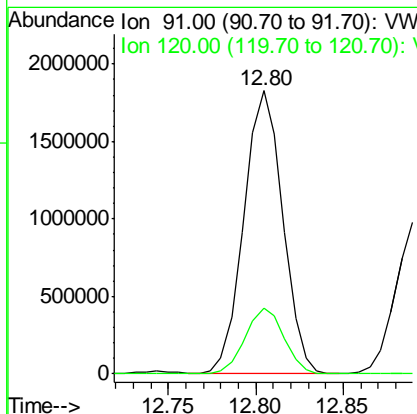
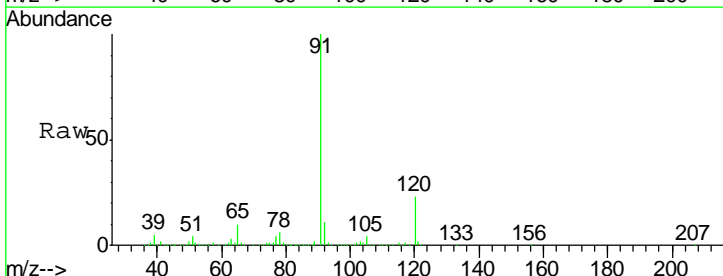
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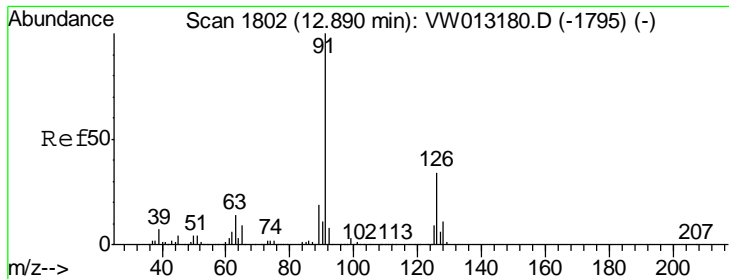
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#78
 n-propylbenzene
 Concen: 145.974 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.3	11.7	35.1





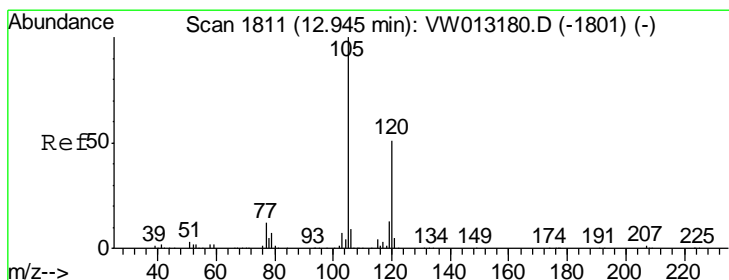
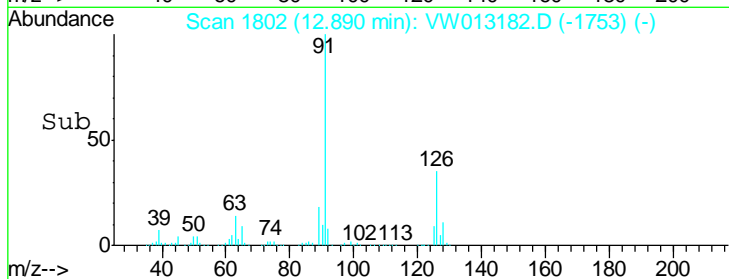
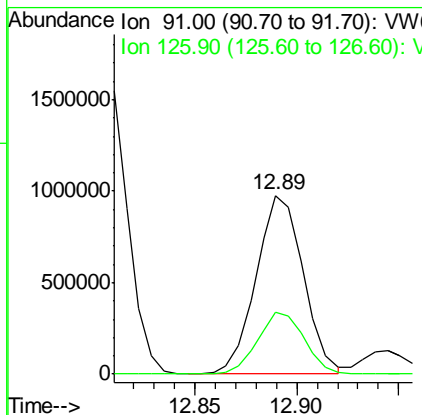
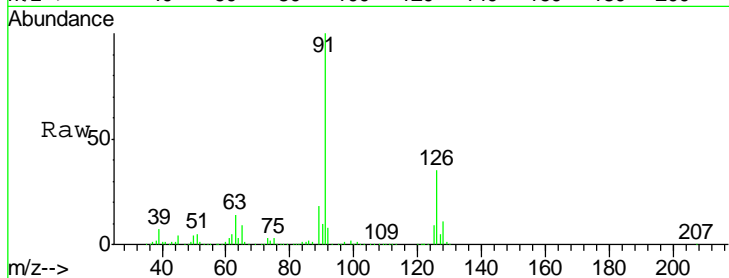
#79
 2-Chlorotoluene
 Concen: 145.235 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	1573394	100	
126	34.6	17.2	51.5

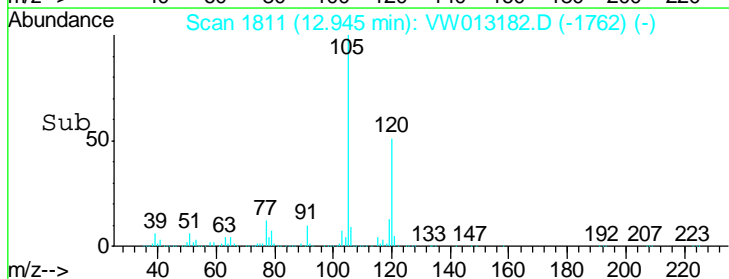
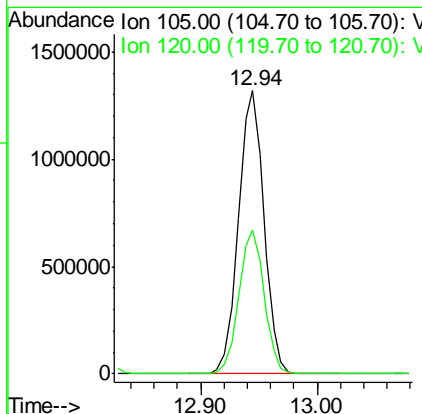
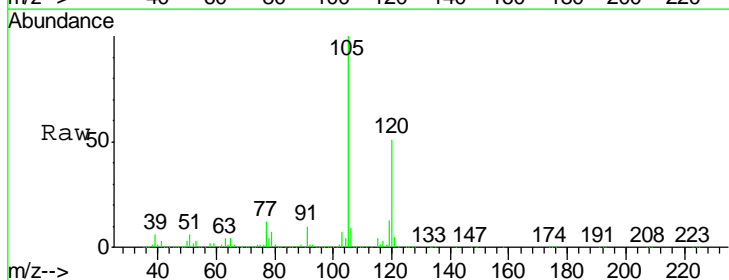
Manual Integrations
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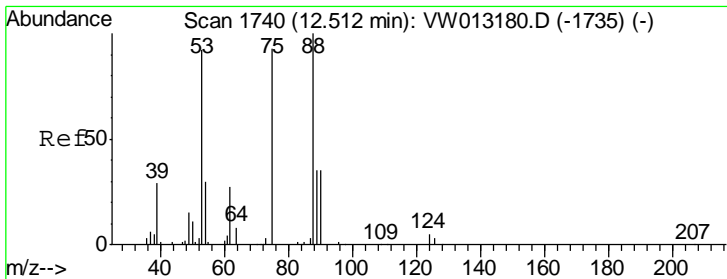
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 144.853 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
105	2011549	100	
120	50.4	24.9	74.8





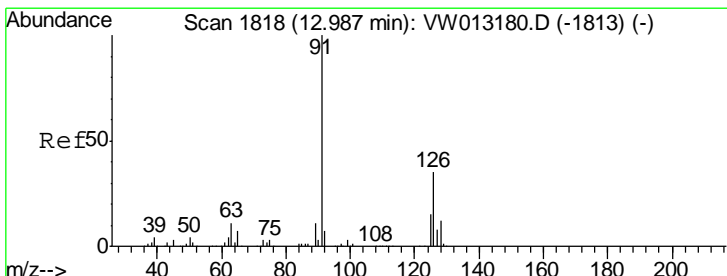
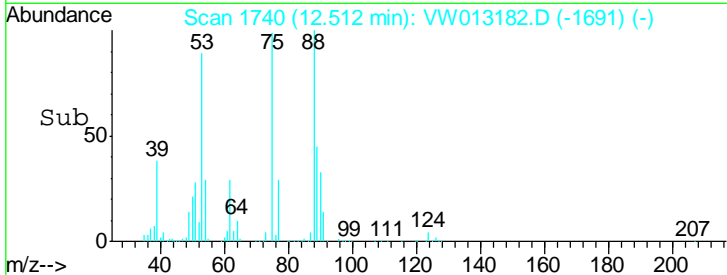
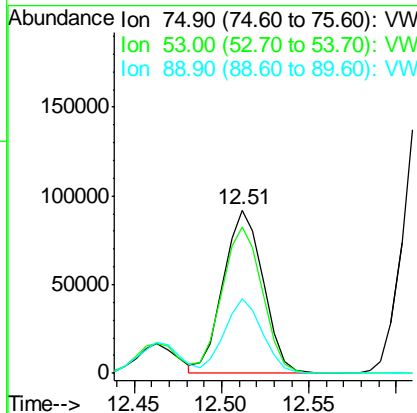
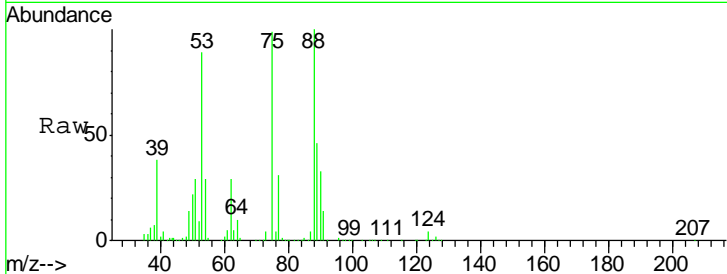
#81
 trans-1,4-Dichloro-2-butene
 Concen: 164.437 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	144729		
75	100		
53	90.8	76.6	114.8
89	43.9	33.5	50.3

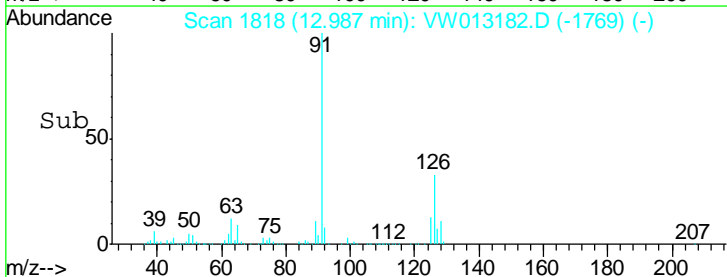
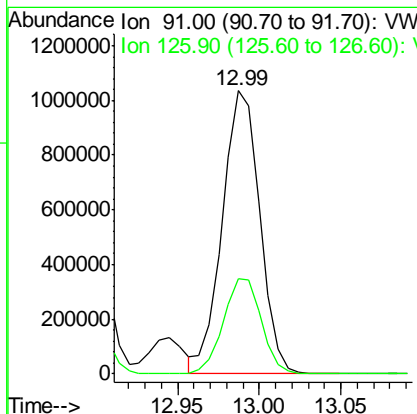
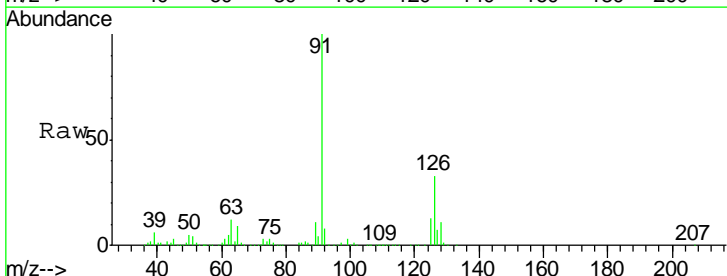
Manual Integrations
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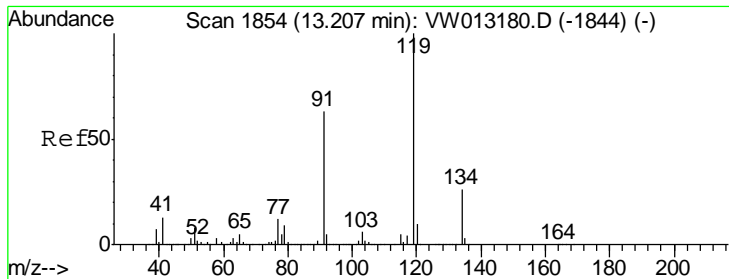
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#82
 4-Chlorotoluene
 Concen: 144.794 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

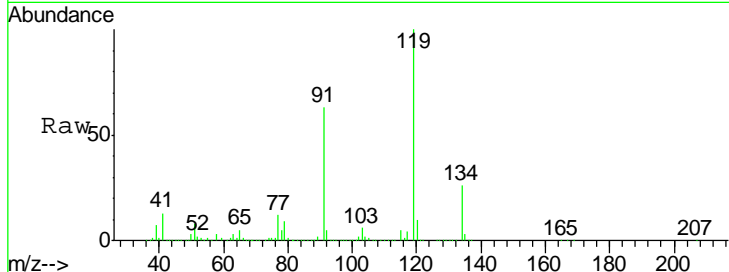
Tgt Ion	Resp	Lower	Upper
91	1654163		
91	100		
126	34.0	17.3	51.7





#83
 tert-Butylbenzene
 Concen: 144.213 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

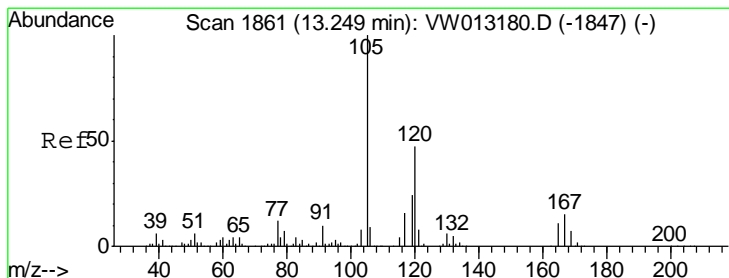
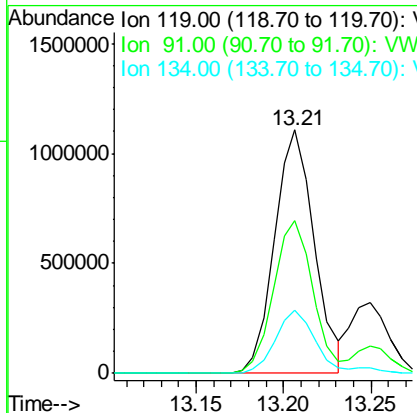
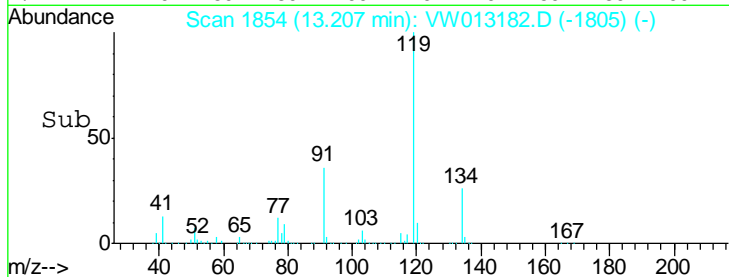
Instrument : MSVOA_W
 Client Sampled : VSTDIC150



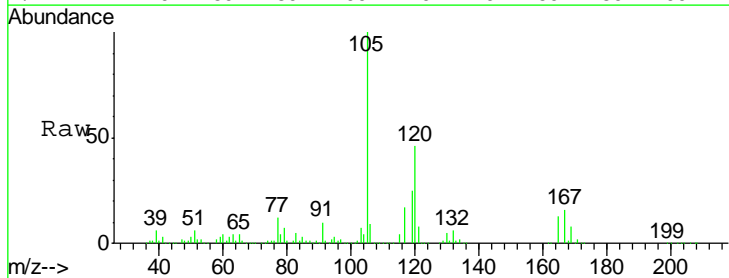
Tgt Ion: 119 Resp: 1757751

Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.7	92.1
134	25.5	12.6	37.6

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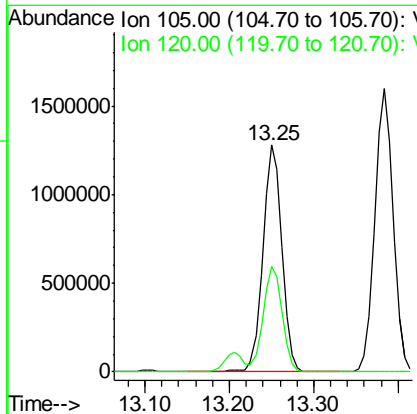
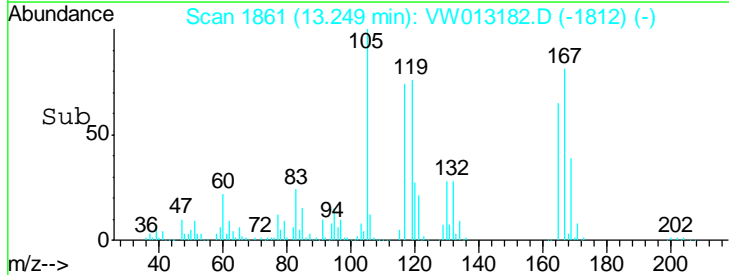


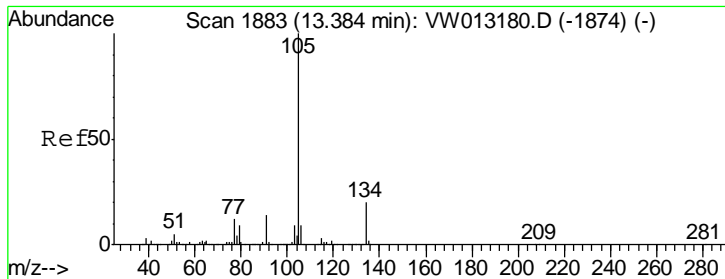
#84
 1,2,4-Trimethylbenzene
 Concen: 143.537 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53



Tgt Ion: 105 Resp: 1983487

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.3





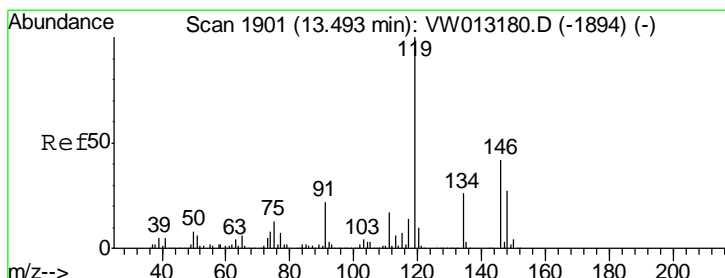
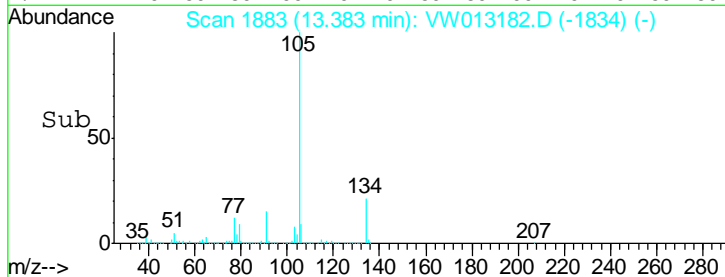
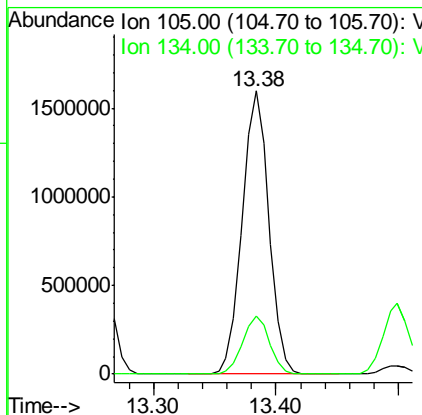
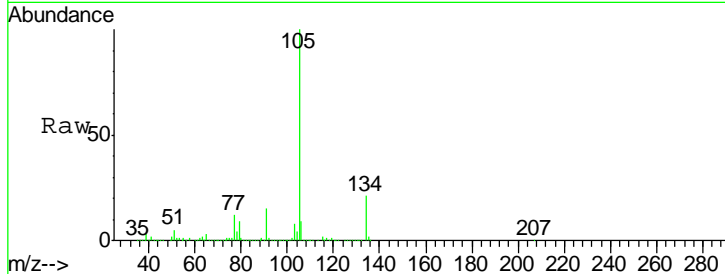
#85
 sec-Butylbenzene
 Concen: 143.569 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.8	10.3	30.8

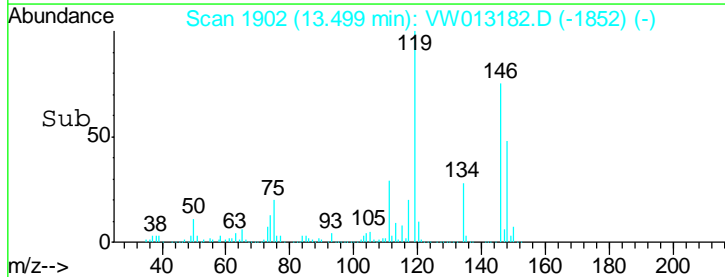
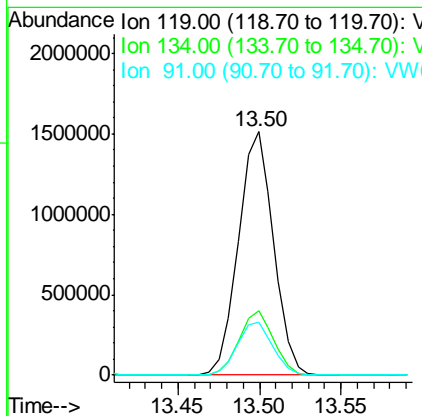
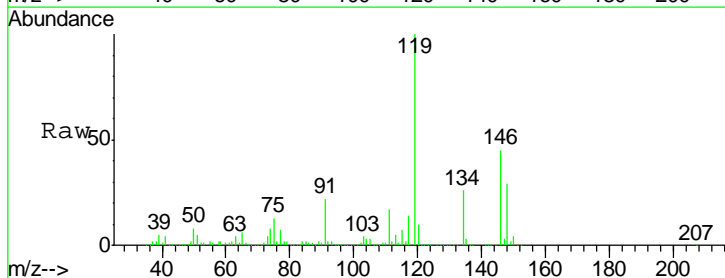
Manual Integrations
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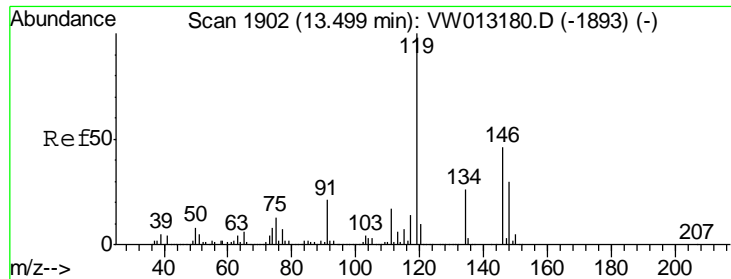
MMDadoda
 9/24/2019 5:28:49 AM



#86
 p-Isopropyltoluene
 Concen: 144.880 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	22.0	10.8	32.4





#87
 1,3-Dichlorobenzene
 Concen: 143.036 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

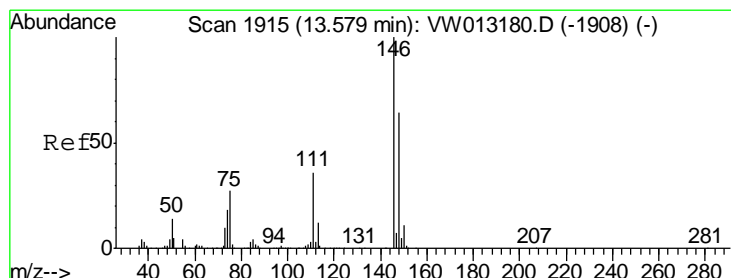
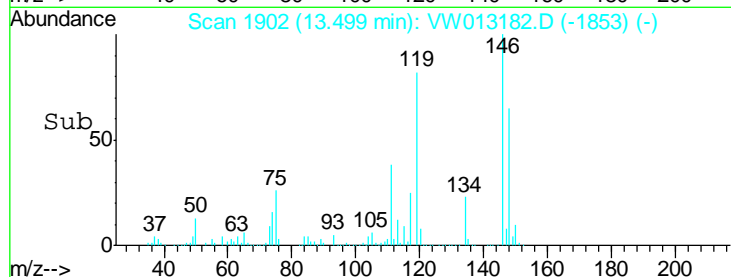
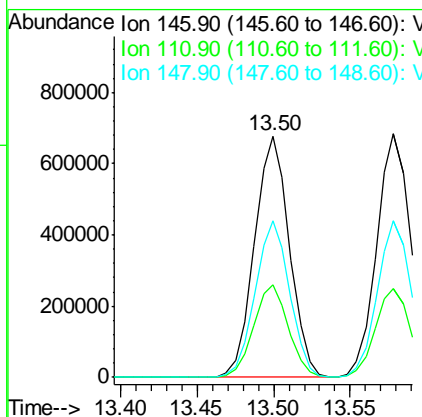
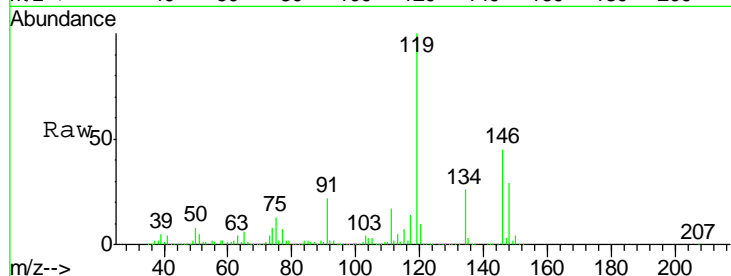
Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion:146 Resp: 1077676

Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	63.9	31.9	95.5

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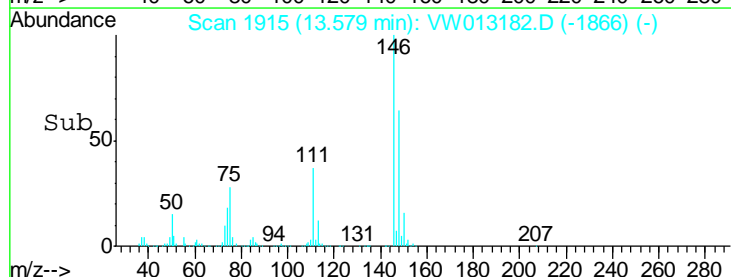
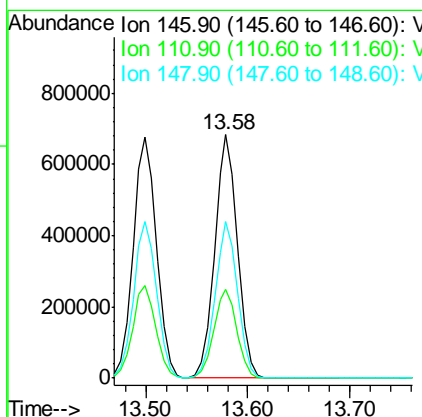
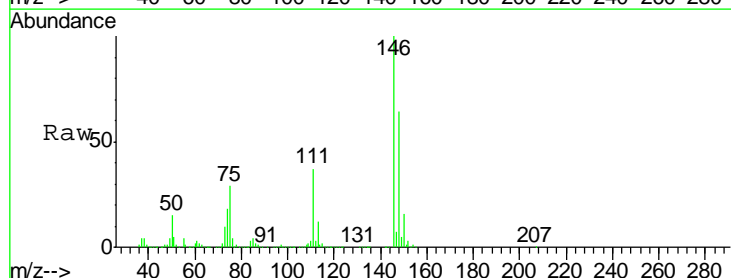
MMDadoda
 9/24/2019 5:28:49 AM

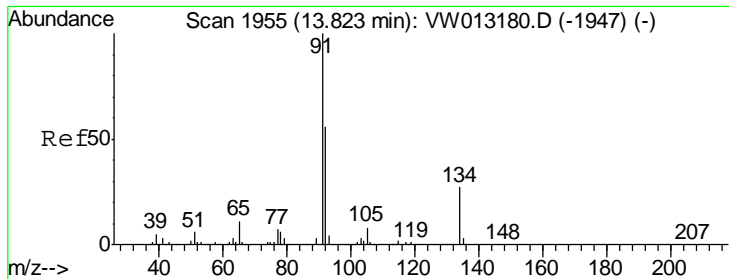


#88
 1,4-Dichlorobenzene
 Concen: 143.717 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion:146 Resp: 1061959

Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	63.7	32.1	96.3





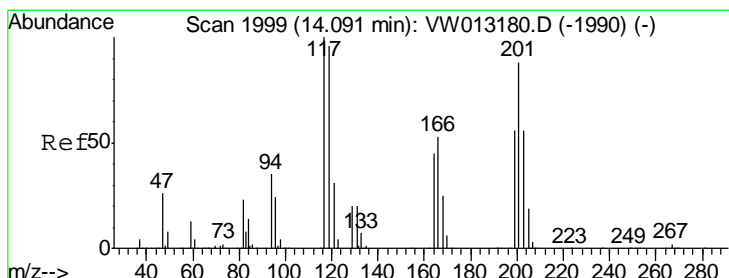
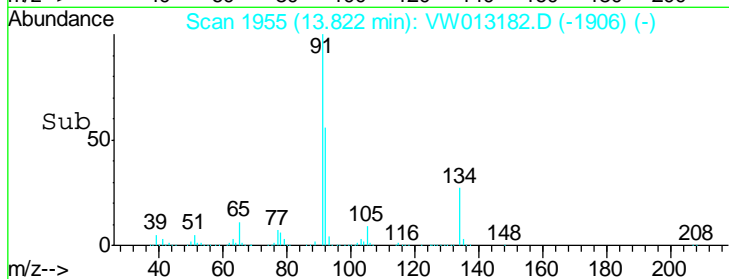
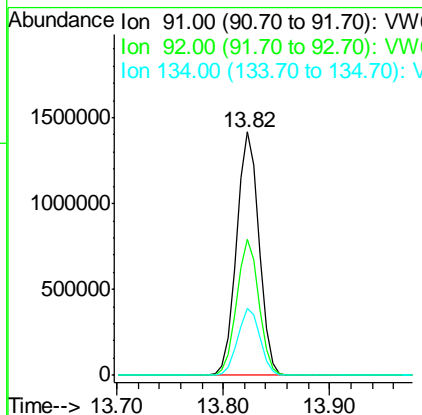
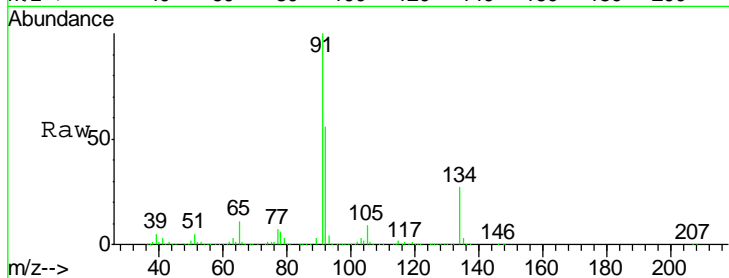
#89
 n-Butylbenzene
 Concen: 147.496 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.3	27.6	82.8
134	27.5	13.7	41.1

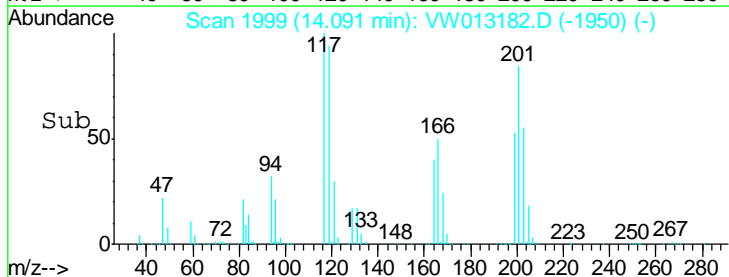
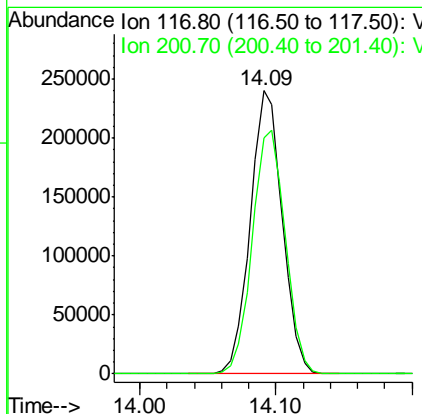
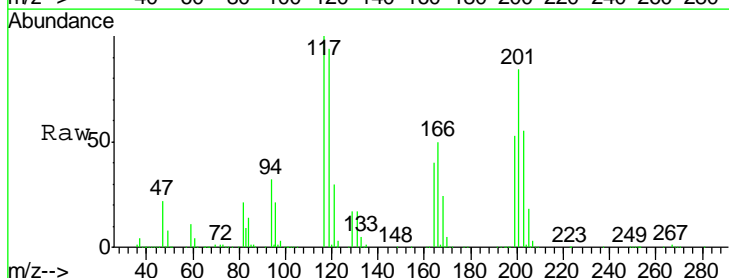
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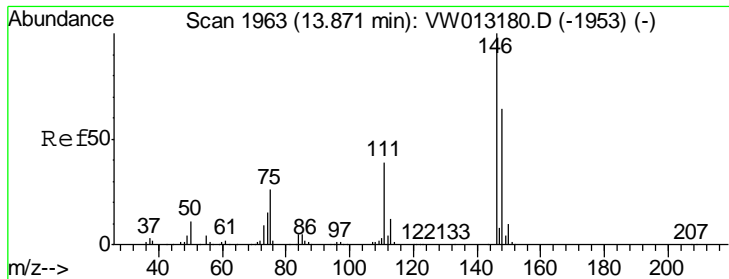
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 9/24/2019 5:28:49 AM



#90
 Hexachloroethane
 Concen: 151.570 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
117	100		
201	88.8	44.5	133.5





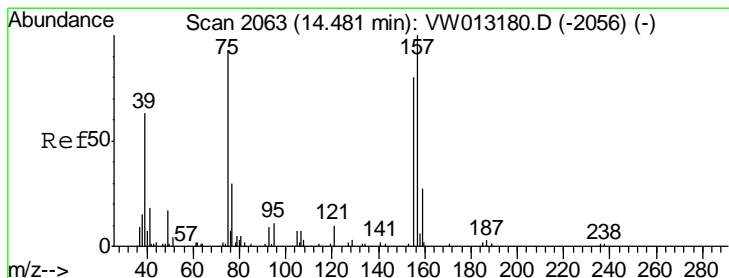
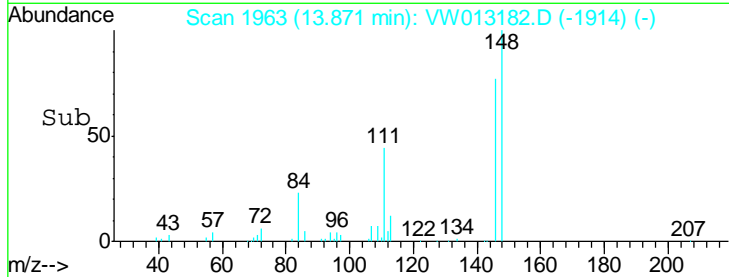
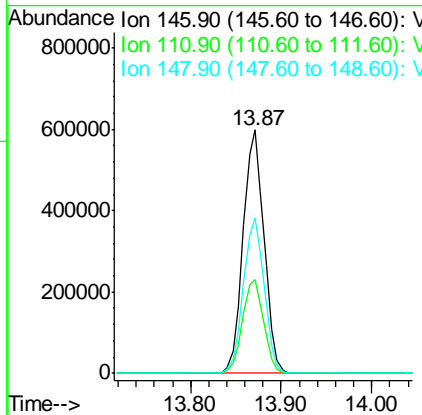
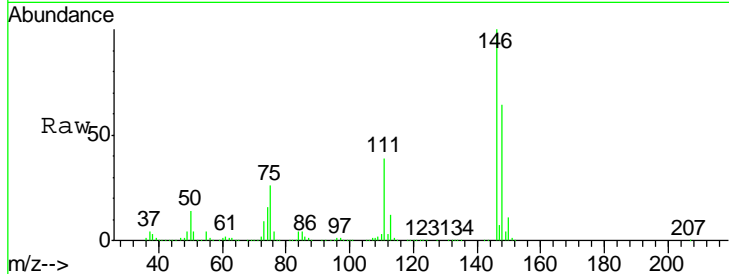
#91
 1,2-Dichlorobenzene
 Concen: 146.163 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.1	20.1	60.3
148	63.8	32.0	96.0

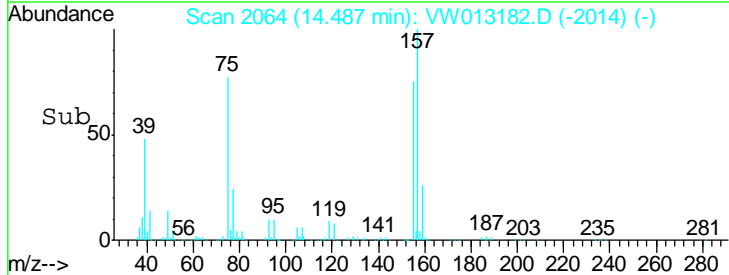
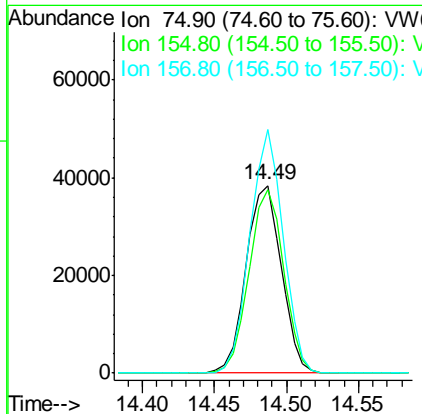
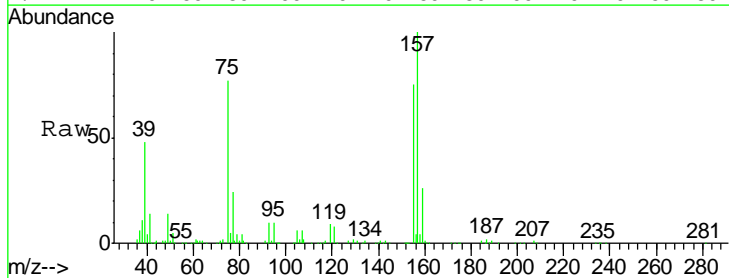
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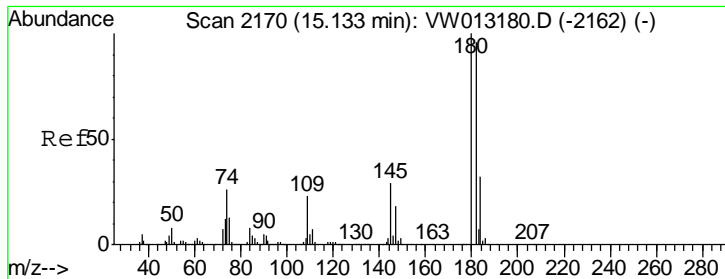
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 9/24/2019 5:28:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 153.631 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
75	100		
155	96.1	46.1	138.3
157	122.3	60.4	181.2





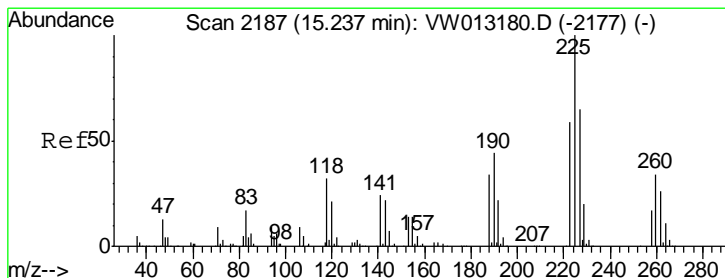
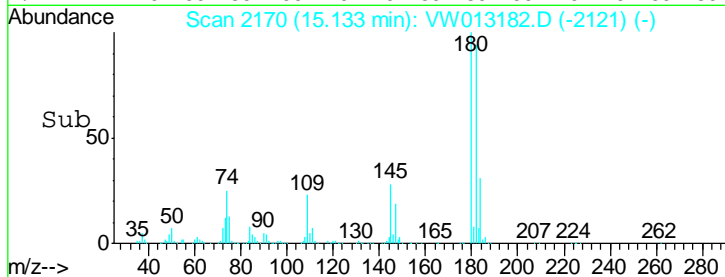
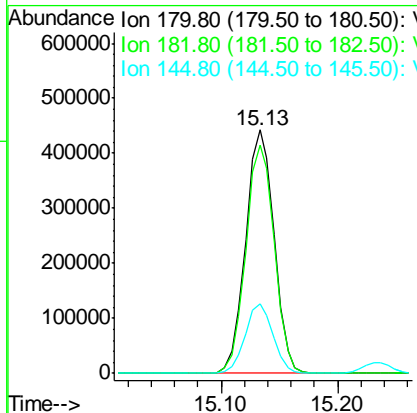
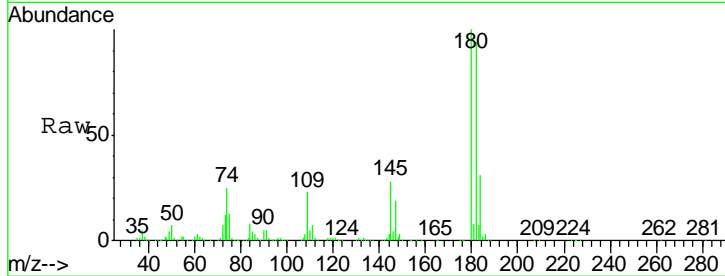
#93
 1,2,4-Trichlorobenzene
 Concen: 161.323 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.0	47.3	142.0
145	28.2	14.2	42.8

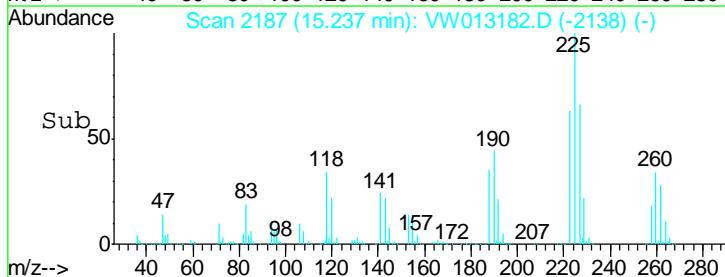
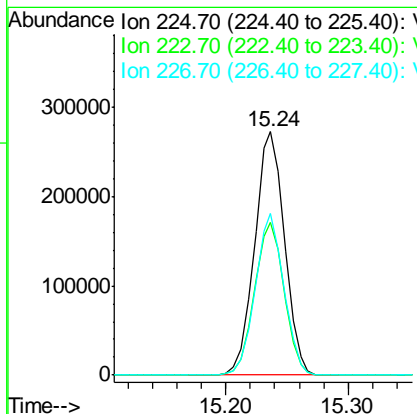
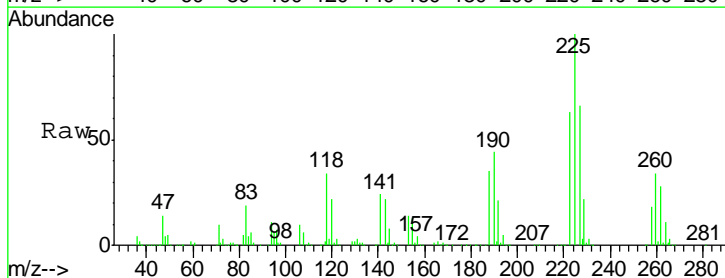
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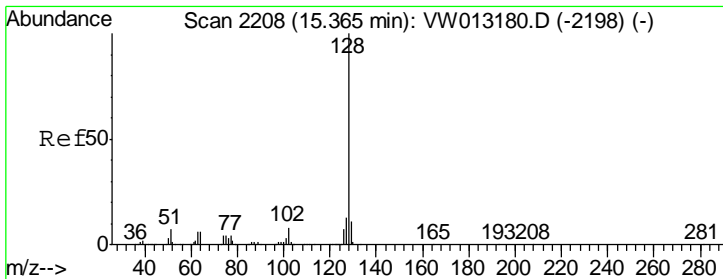
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#94
 Hexachlorobutadiene
 Concen: 145.283 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.1	30.6	91.8
227	63.5	31.9	95.9





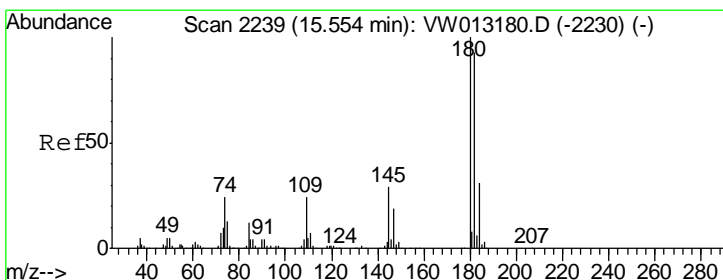
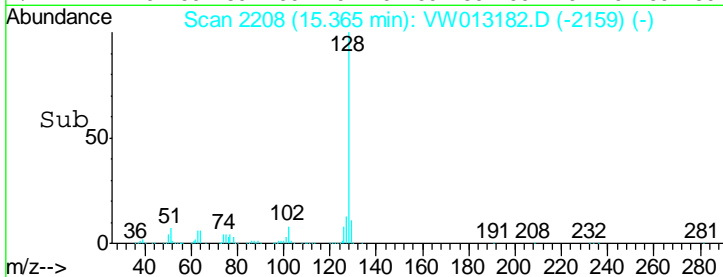
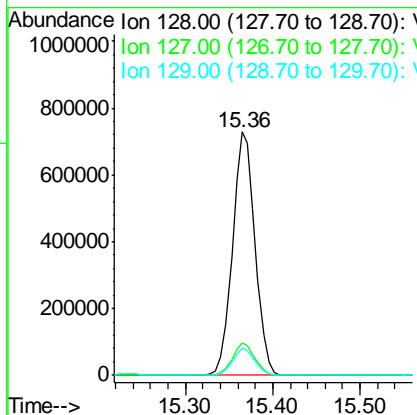
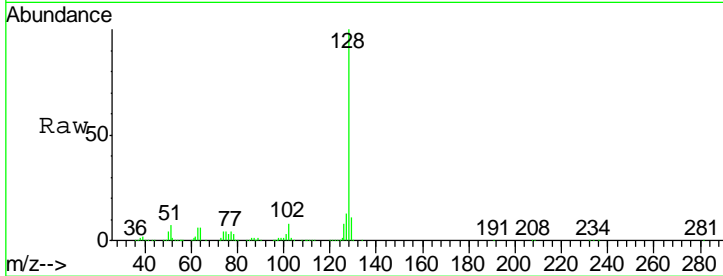
#95
 Naphthalene
 Concen: 170.133 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
128	1299655		
127	13.1	10.6	15.8
129	10.9	8.7	13.1

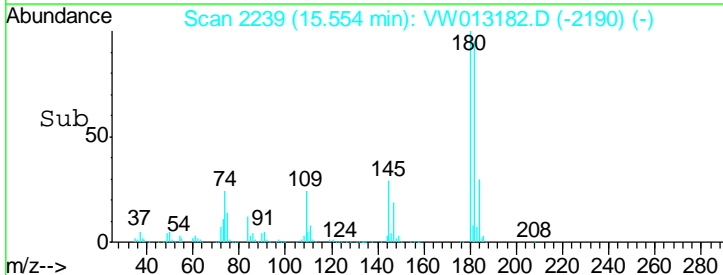
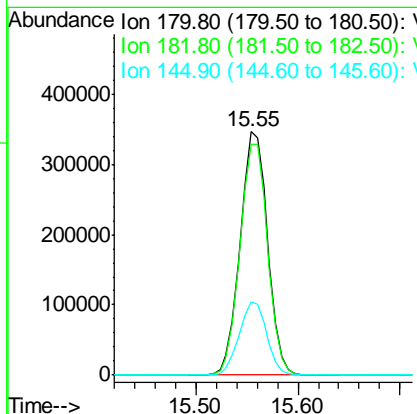
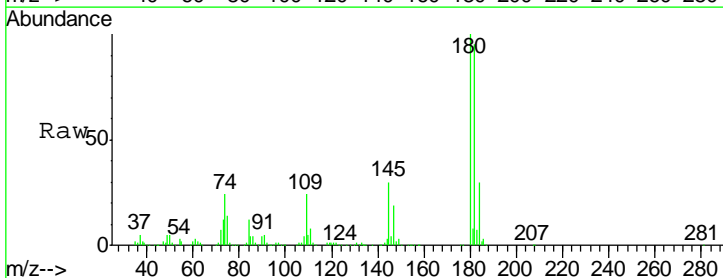
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#96
 1,2,3-Trichlorobenzene
 Concen: 159.676 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
180	644426		
182	96.1	47.9	143.7
145	30.2	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 ICVW092019

Manual Integrations
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MMDadoda
 9/24/2019 5:28:51 AM

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	380098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	547785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	237442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	142916	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.88	113	142670	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	10.32	98	594334	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.62	95	202111	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	107791	49.162	ug/l	95
3) Chloromethane	2.21	50	123760	43.911	ug/l	99
4) Vinyl Chloride	2.36	62	166442	45.807	ug/l	94
5) Bromomethane	2.78	94	107925	46.870	ug/l	91
6) Chloroethane	2.92	64	99089	46.265	ug/l	95
7) Trichlorofluoromethane	3.25	101	96872	46.235	ug/l	96
8) Diethyl Ether	3.68	74	81799	45.707	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161521	47.351	ug/l	100
10) Methyl Iodide	4.27	142	240168	45.412	ug/l	99
11) Tert butyl alcohol	5.19	59	49675	221.285	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	168180	47.612	ug/l	99
13) Acrolein	3.89	56	42521	238.111	ug/l	98
14) Allyl chloride	4.66	41	271196	48.241	ug/l	100
15) Acrylonitrile	5.37	53	178143	230.623	ug/l	99
16) Acetone	4.13	43	182423	260.764	ug/l	92
17) Carbon Disulfide	4.38	76	492891	48.277	ug/l	96
18) Methyl Acetate	4.67	43	83635	42.530	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	251856	46.522	ug/l	98
20) Methylene Chloride	4.91	84	168647	46.960	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	180775	47.351	ug/l	96
22) Diisopropyl ether	6.31	45	506115	47.344	ug/l	99
23) Vinyl Acetate	6.25	43	1523284	240.191	ug/l	99
24) 1,1-Dichloroethane	6.21	63	304228	47.162	ug/l	100
25) 2-Butanone	7.17	43	235377	224.132	ug/l	95
26) 2,2-Dichloropropane	7.16	77	189578	49.055	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	187826	46.618	ug/l	99
28) Bromochloromethane	7.51	49	125358	50.633	ug/l #	99
29) Tetrahydrofuran	7.53	42	145540	225.981	ug/l	100
30) Chloroform	7.67	83	291405	46.141	ug/l	97
31) Cyclohexane	7.95	56	310113	46.119	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	241702	47.253	ug/l	99
36) 1,1-Dichloropropene	8.08	75	250588	47.230	ug/l	99
37) Ethyl Acetate	7.24	43	101755	45.126	ug/l	98
38) Carbon Tetrachloride	8.07	117	227824	47.901	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 ICVW092019

Manual Integrations
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 9/24/2019 5:28:51 AM

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	332539	48.771	ug/l	97
40) Benzene	8.32	78	699939	47.296	ug/l	100
41) Methacrylonitrile	7.48	41	61871	45.973	ug/l	97
42) 1,2-Dichloroethane	8.40	62	183408	46.102	ug/l	99
43) Isopropyl Acetate	8.42	43	197615	45.726	ug/l	100
44) Trichloroethene	9.09	130	196346	47.287	ug/l	99
45) 1,2-Dichloropropane	9.37	63	172081	47.627	ug/l	98
46) Dibromomethane	9.46	93	82460	47.009	ug/l	99
47) Bromodichloromethane	9.64	83	214055	47.957	ug/l	99
48) Methyl methacrylate	9.43	41	101099	49.749	ug/l	94
49) 1,4-Dioxane	9.46	88	23021	874.296	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	492601	227.362	ug/l	99
52) Toluene	10.38	92	450784	47.528	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	223312	48.697	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	272044	48.791	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	121707	46.420	ug/l	96
56) Ethyl methacrylate	10.65	69	164229	47.862	ug/l	99
57) 1,3-Dichloropropane	10.93	76	213084	46.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	391193	246.263	ug/l	99
59) 2-Hexanone	10.96	43	353238	236.976	ug/l	99
60) Dibromochloromethane	11.13	129	141501	47.530	ug/l	99
61) 1,2-Dibromoethane	11.23	107	115690	46.408	ug/l	99
64) Tetrachloroethene	10.86	164	169768	47.778	ug/l	97
65) Chlorobenzene	11.66	112	463360	47.382	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	160820	48.136	ug/l	99
67) Ethyl Benzene	11.73	91	857266	48.381	ug/l	98
68) m/p-Xylenes	11.83	106	652964	96.706	ug/l	99
69) o-Xylene	12.16	106	299268	47.673	ug/l	99
70) Styrene	12.18	104	522507	48.482	ug/l	99
71) Bromoform	12.35	173	84266	47.742	ug/l	100
73) Isopropylbenzene	12.46	105	849123	48.410	ug/l	100
74) N-amyl acetate	12.27	43	185285	47.605	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	133670	45.568	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	106073m	50.585	ug/l	
77) Bromobenzene	12.74	156	196705	47.325	ug/l	100
78) n-propylbenzene	12.80	91	997196	48.570	ug/l	99
79) 2-Chlorotoluene	12.89	91	553298	48.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	708518	48.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45043	48.200	ug/l	99
82) 4-Chlorotoluene	12.99	91	579435	47.770	ug/l	99
83) tert-Butylbenzene	13.21	119	625794	48.357	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	711612	48.502	ug/l	98
85) sec-Butylbenzene	13.38	105	874002	48.986	ug/l	100
86) p-Isopropyltoluene	13.50	119	813968	49.187	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	377640	47.208	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	377155	48.073	ug/l	100
89) n-Butylbenzene	13.82	91	754599	49.939	ug/l	100
90) Hexachloroethane	14.09	117	138029	49.651	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	330985	47.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21134	47.102	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVW092019

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MMDadoda
 9/24/2019 5:28:51 AM

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	250275	50.468	ug/l	100
94) Hexachlorobutadiene	15.24	225	165104	48.664	ug/l	99
95) Naphthalene	15.36	128	416934	51.405	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	214927	50.158	ug/l	99

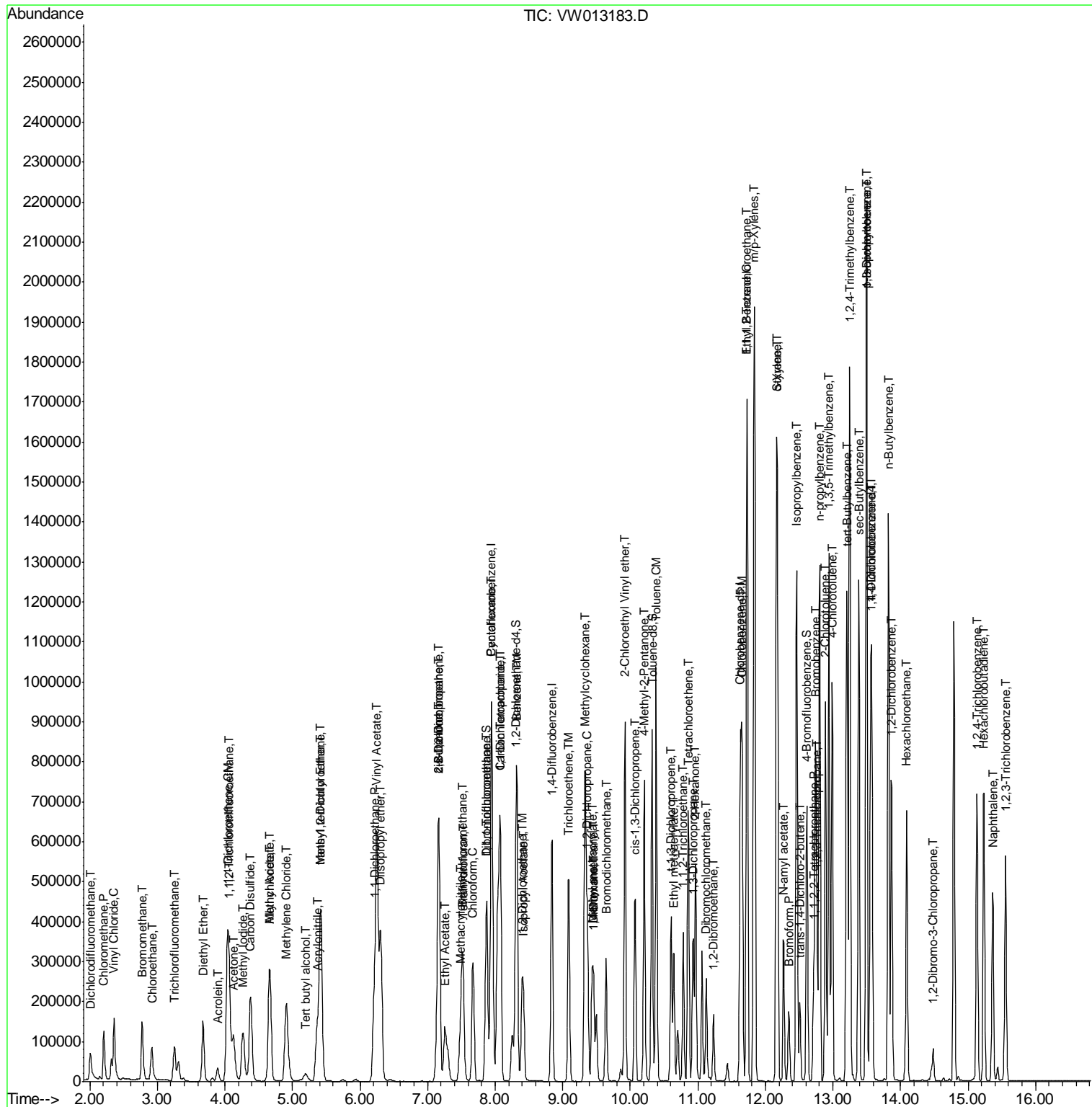
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

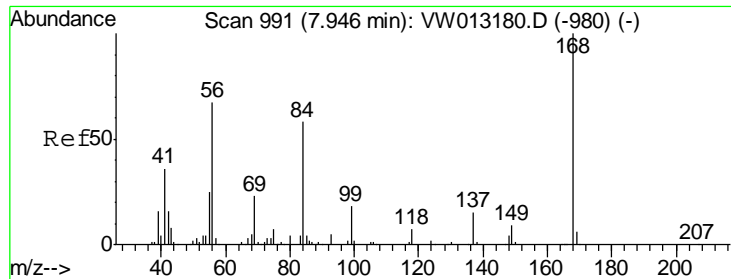
Instrument :
 MSVOA_W
 Client Sampled :
 ICVVW092019

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 9/24/2019 5:28:51 AM

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



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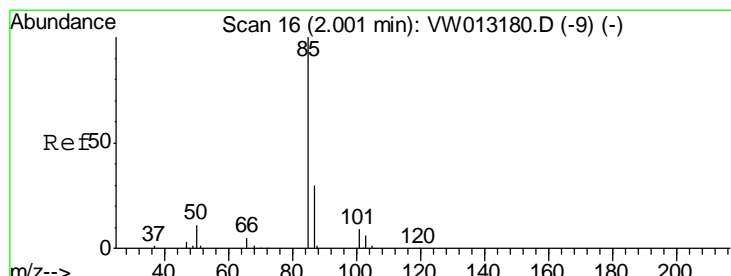
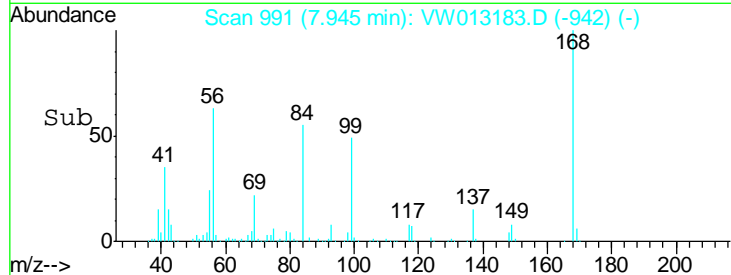
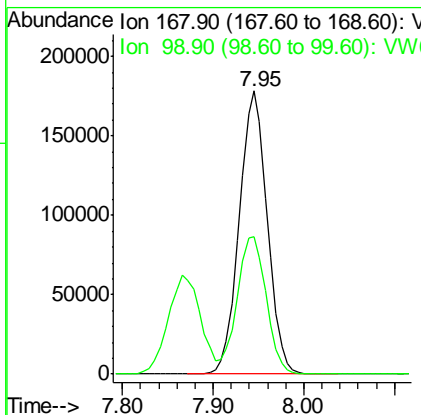
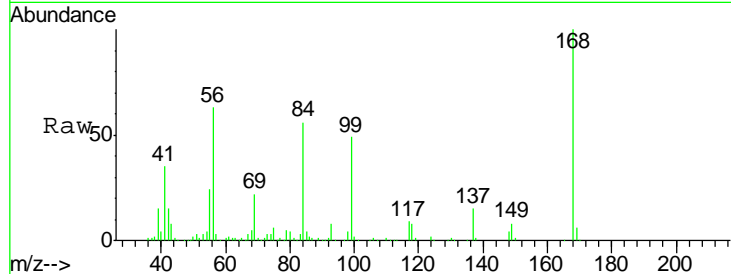


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
168	100		
99	48.7	40.2	60.4

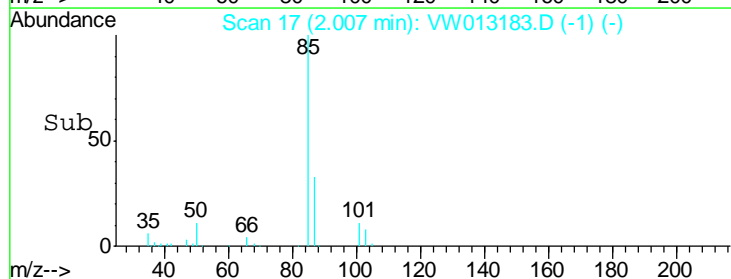
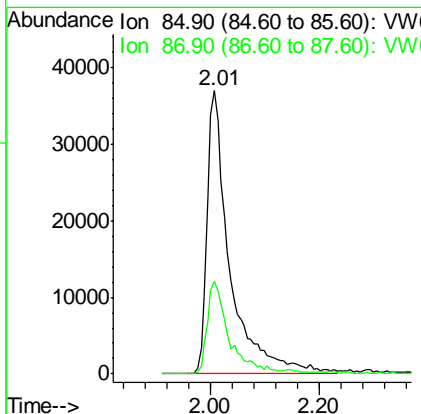
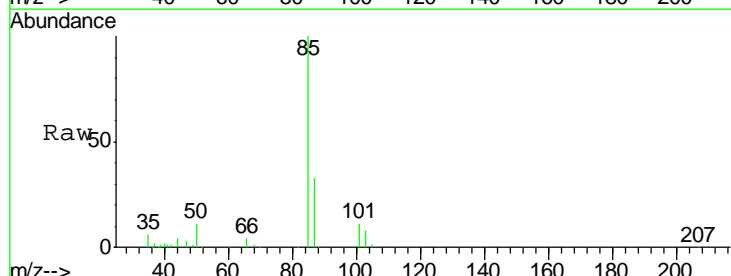
Instrument : MSVOA_W
 Client Sampled : ICVVW092019

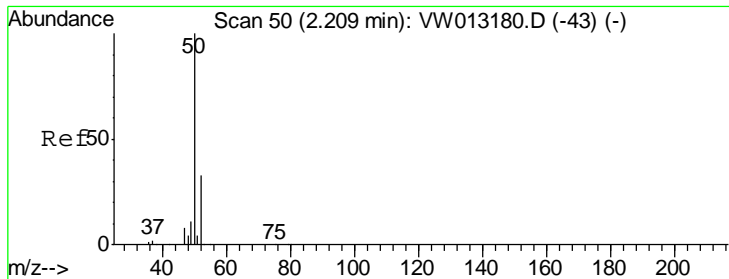
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#2
 Dichlorodifluoromethane
 Concen: 49.162 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.9	15.1	45.3



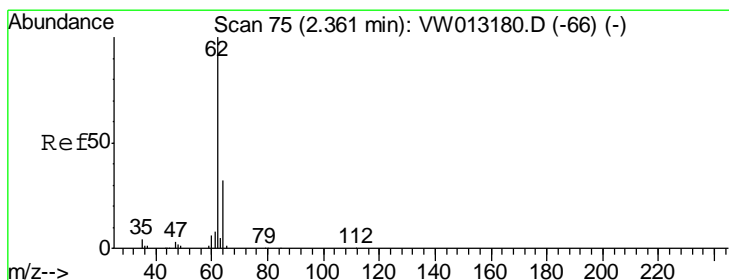
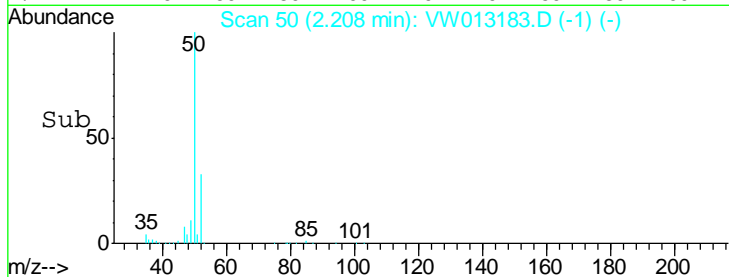
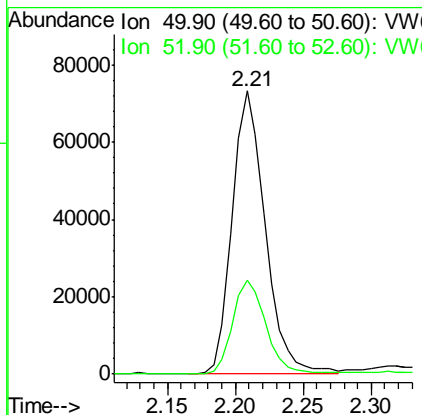
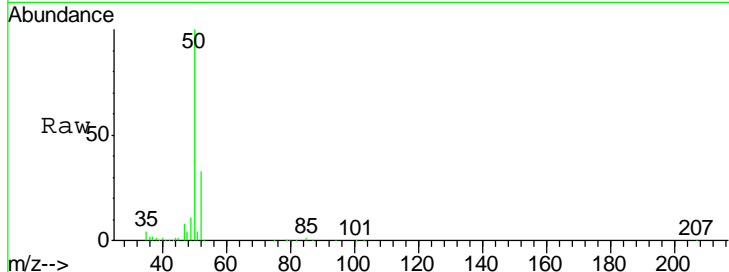


#3
 Chloromethane
 Concen: 43.911 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
50	123760		
52	33.2	26.1	39.1

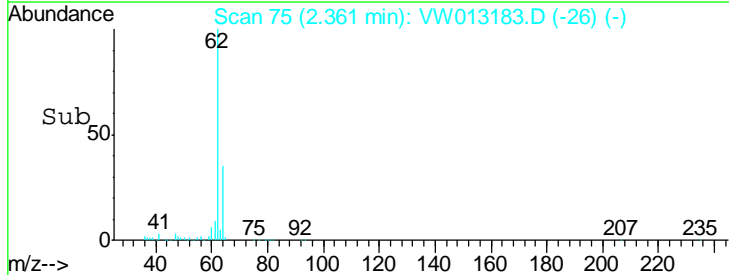
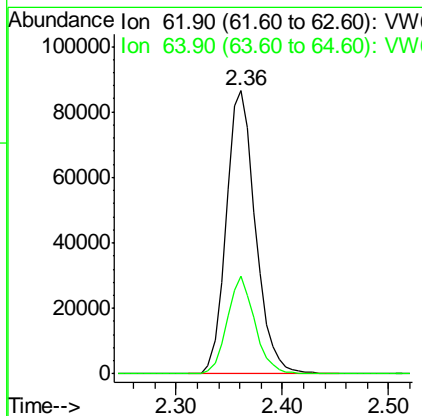
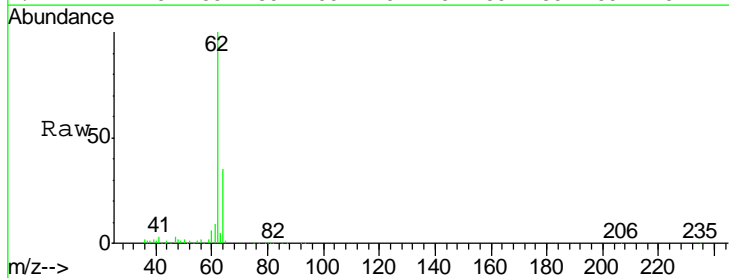
Instrument : MSVOA_W
 Client Sampled : ICVVW092019

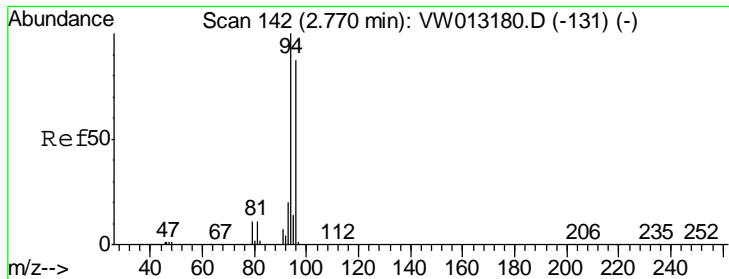
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#4
 Vinyl Chloride
 Concen: 45.807 ug/l
 RT: 2.36 min Scan# 75
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
62	166442		
64	34.8	25.3	37.9





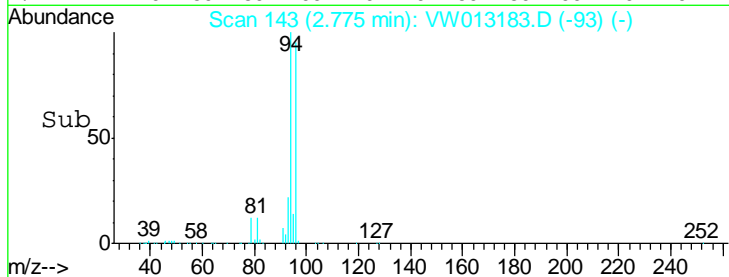
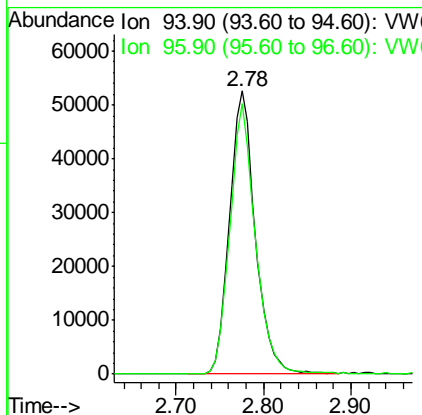
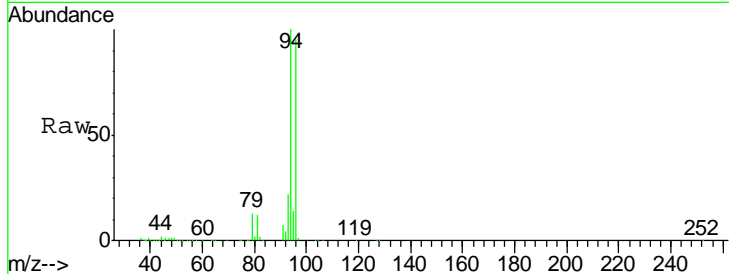
#5
 Bromomethane
 Concen: 46.870 ug/l
 RT: 2.78 min Scan# 143
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
94	107925		
96	95.5	69.7	104.5

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

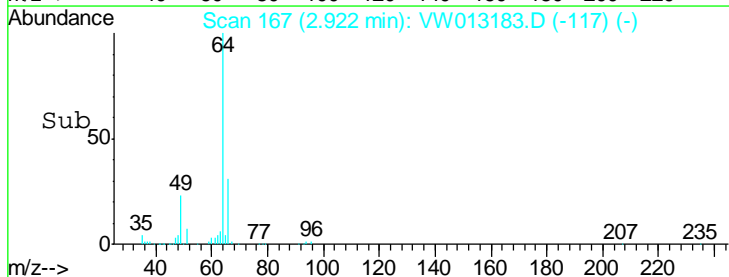
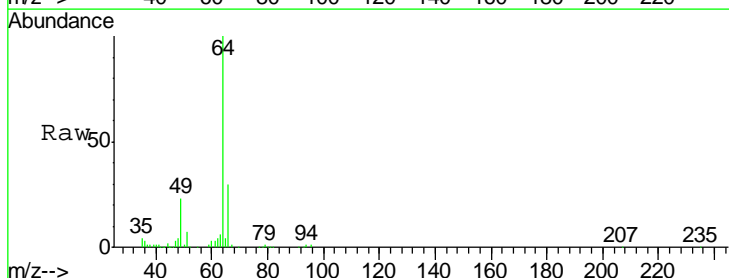
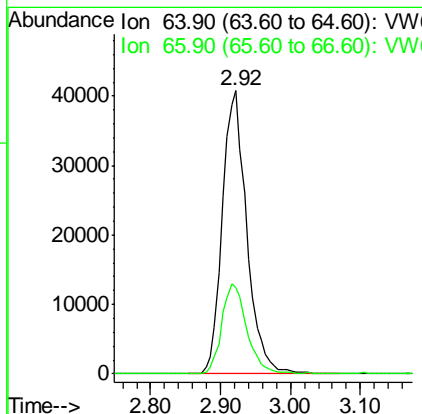
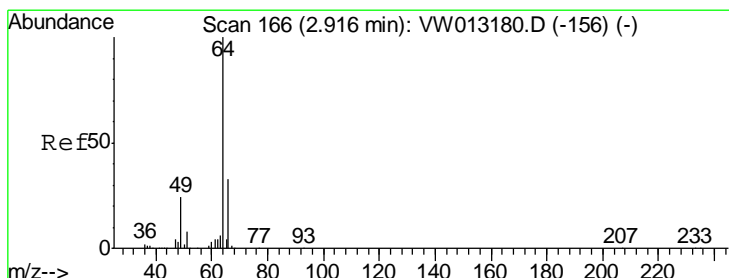
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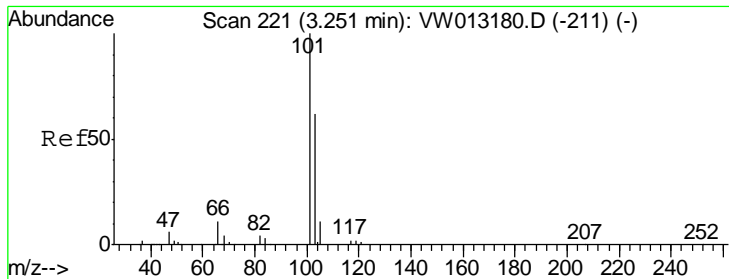
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#6
 Chloroethane
 Concen: 46.265 ug/l
 RT: 2.92 min Scan# 167
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

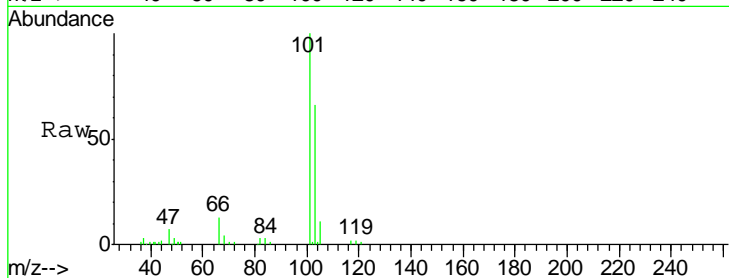
Tgt Ion	Resp	Lower	Upper
64	99089		
66	30.5	26.6	39.8





#7
 Trichlorofluoromethane
 Concen: 46.235 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

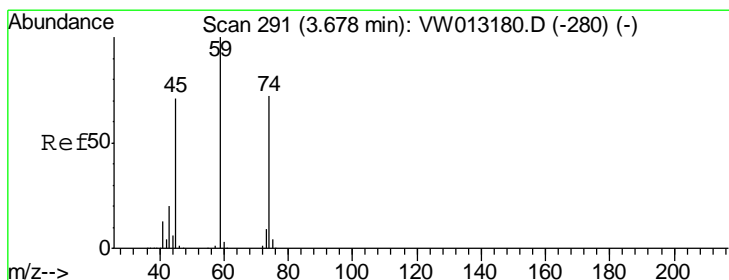
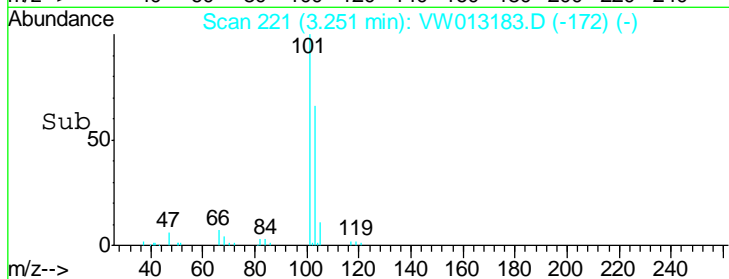
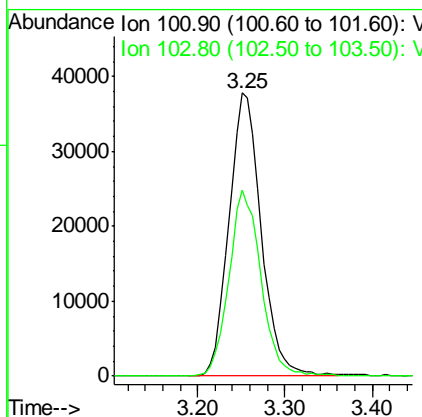


Tgt Ion: 101 Resp: 96872

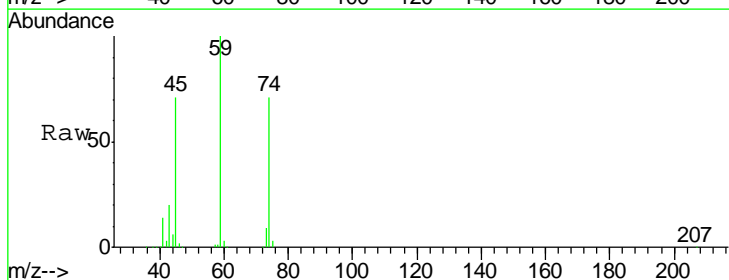
Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.7	74.5

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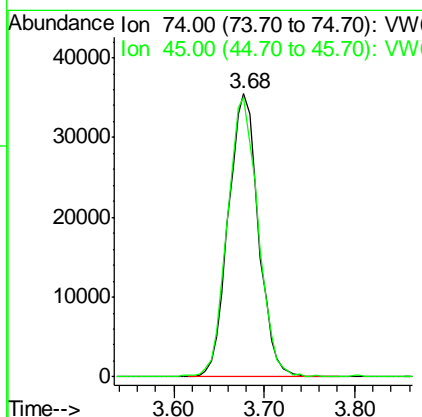
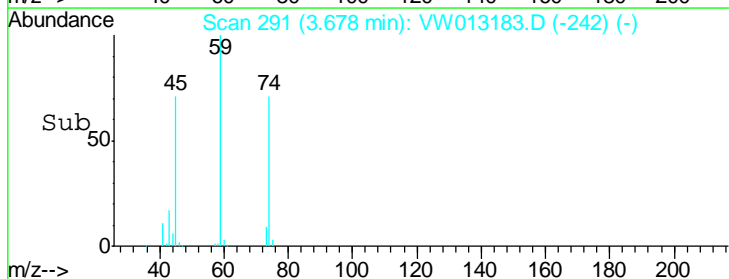


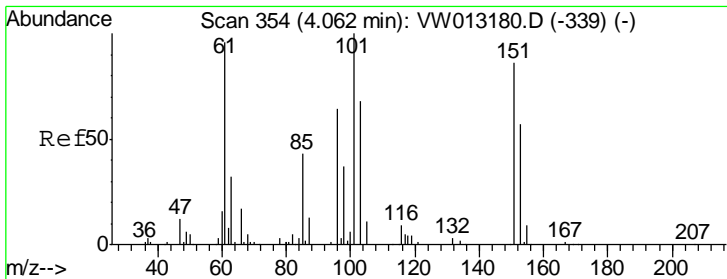
#8
 Diethyl Ether
 Concen: 45.707 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion: 74 Resp: 81799

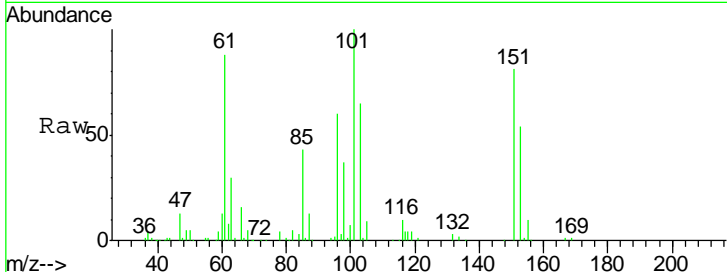
Ion	Ratio	Lower	Upper
74	100		
45	101.4	49.5	148.7





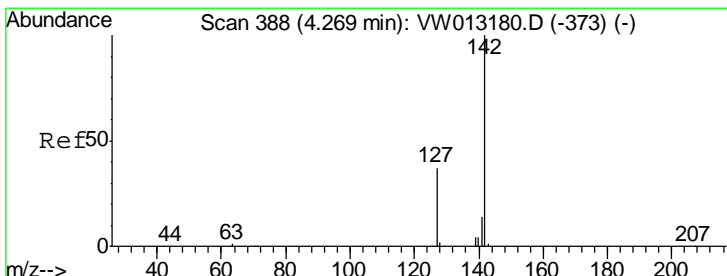
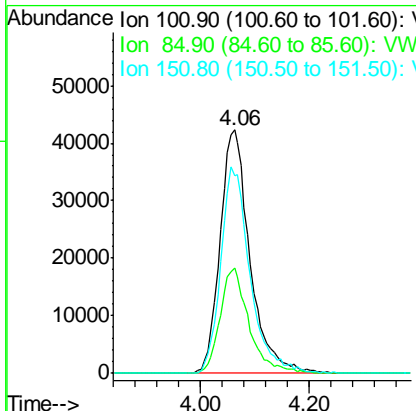
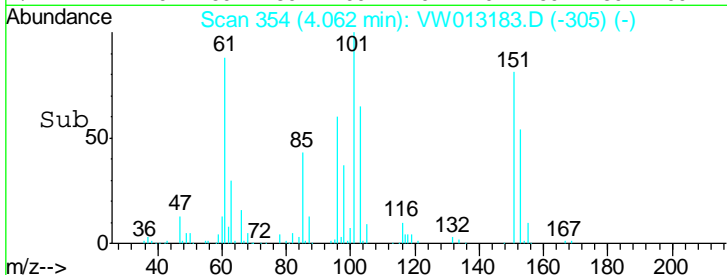
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.351 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 Client Sampled :
 ICVVW092019

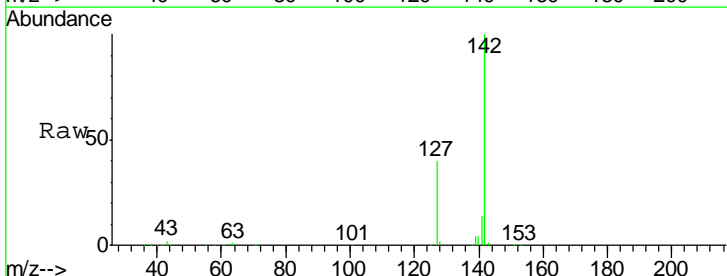


Tgt Ion	Resp	Lower	Upper
101	161521		
101	100		
85	42.0	33.4	50.0
151	83.1	66.9	100.3

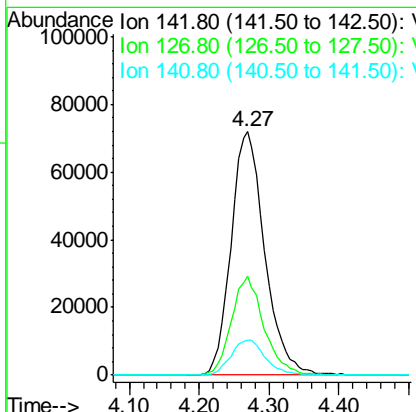
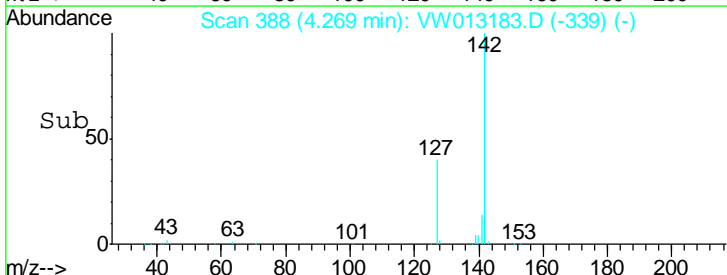
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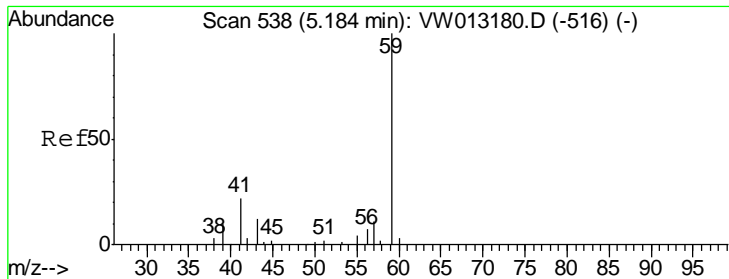


#10
 Methyl Iodide
 Concen: 45.412 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion	Resp	Lower	Upper
142	240168		
142	100		
127	39.2	30.9	46.3
141	14.8	11.7	17.5





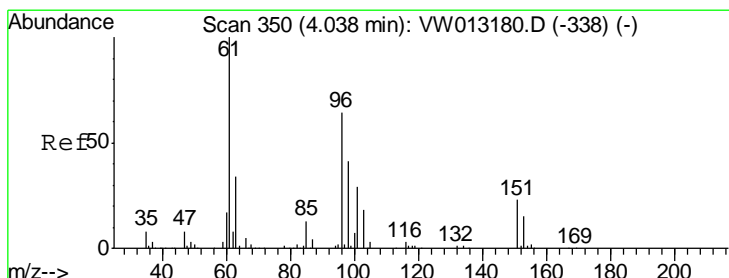
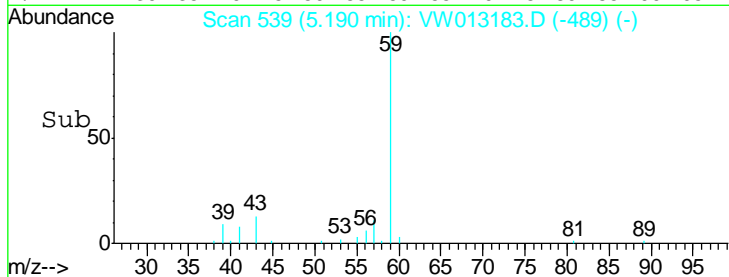
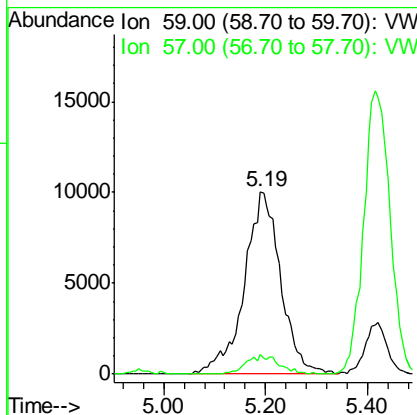
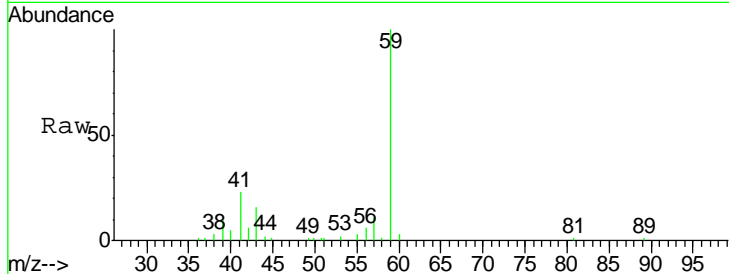
#11
 Tert butyl alcohol
 Concen: 221.285 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Tgt Ion	Resp	Lower	Upper
59	49675	100	
57	5.7	8.2	12.2#

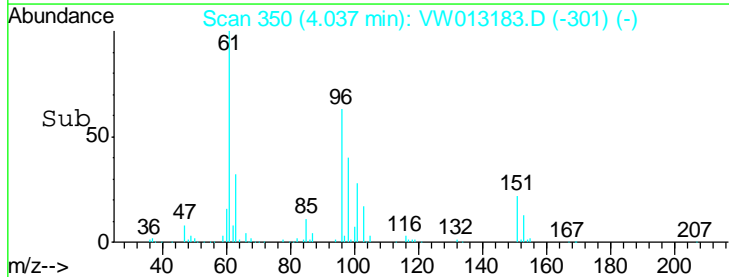
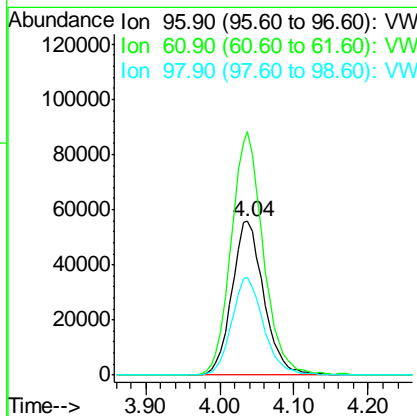
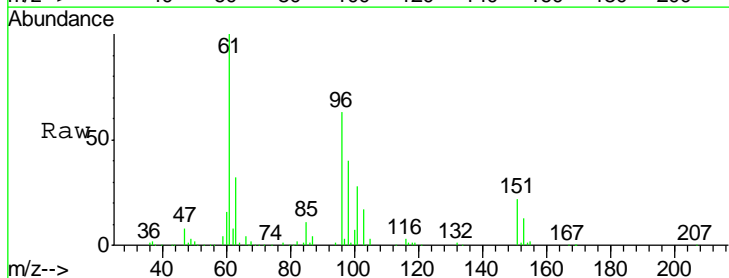
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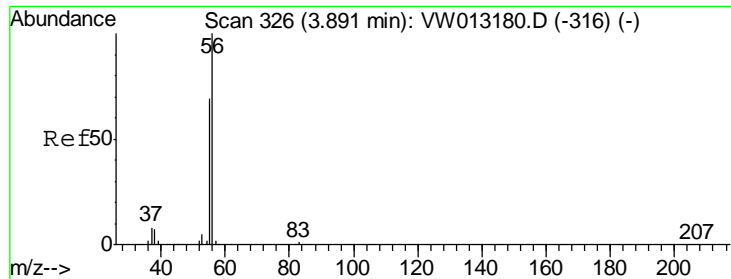
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#12
 1,1-Dichloroethene
 Concen: 47.612 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
96	168180	100	
61	158.2	125.1	187.7
98	63.7	50.8	76.2





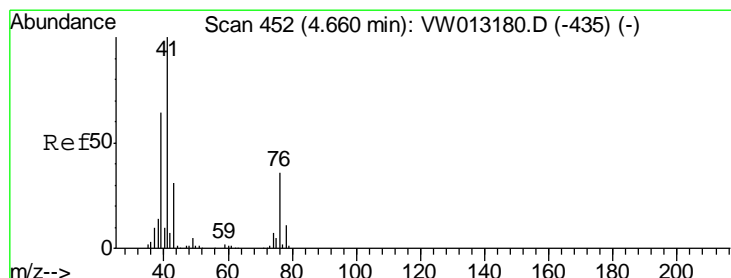
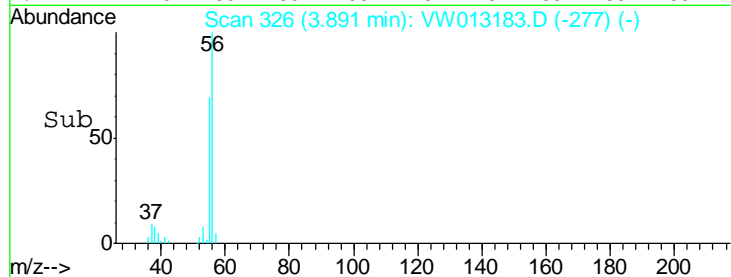
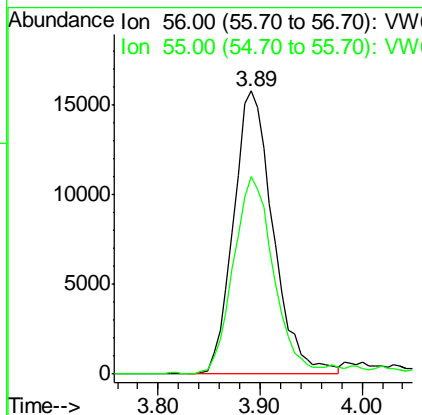
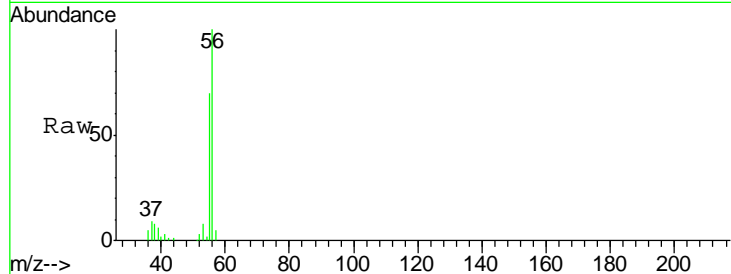
#13
 Acrolein
 Concen: 238.111 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
56	42521		
55	70.5	55.4	83.0

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

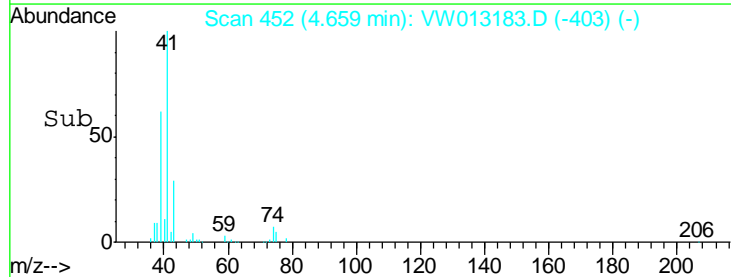
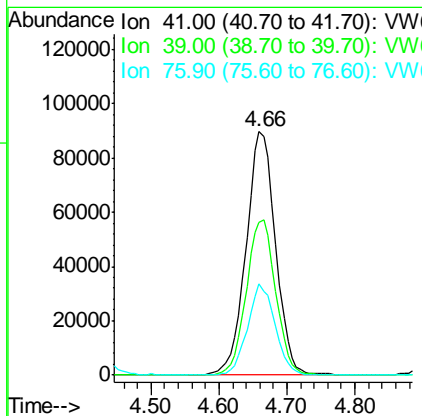
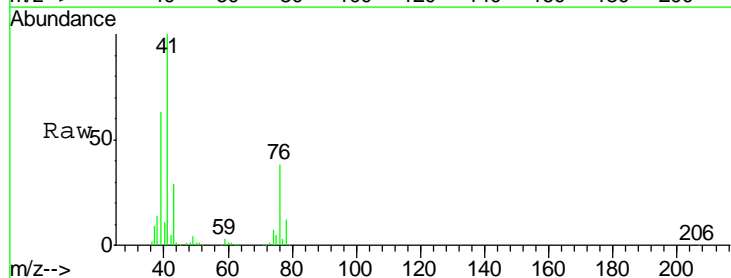
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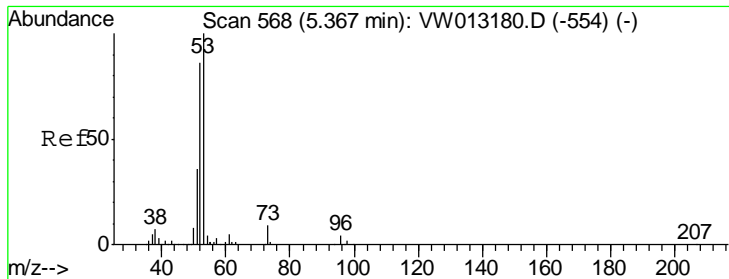
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#14
 Allyl chloride
 Concen: 48.241 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
41	271196		
39	63.7	51.0	76.4
76	35.1	28.4	42.6





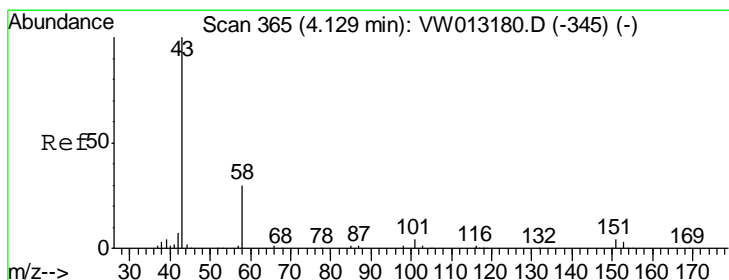
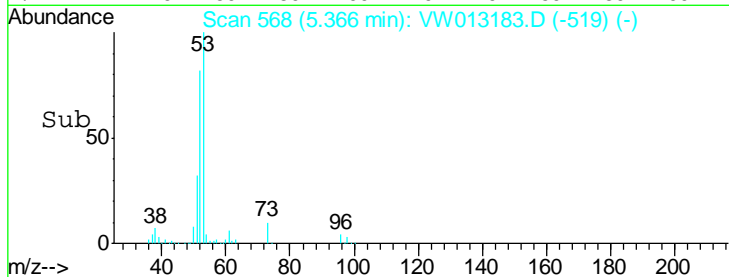
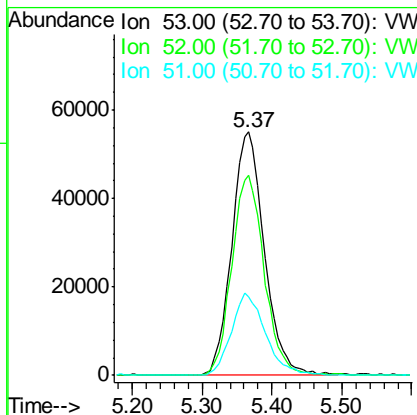
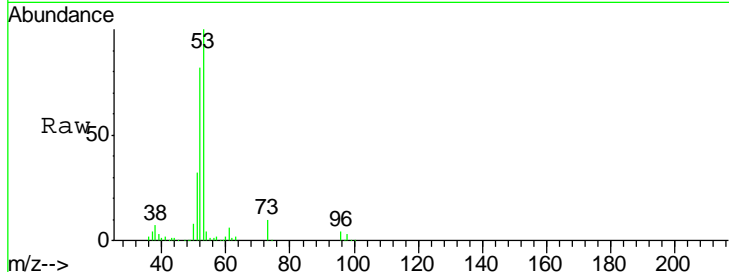
#15
 Acrylonitrile
 Concen: 230.623 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
53	178143		
52	81.8	65.3	97.9
51	35.3	29.0	43.4

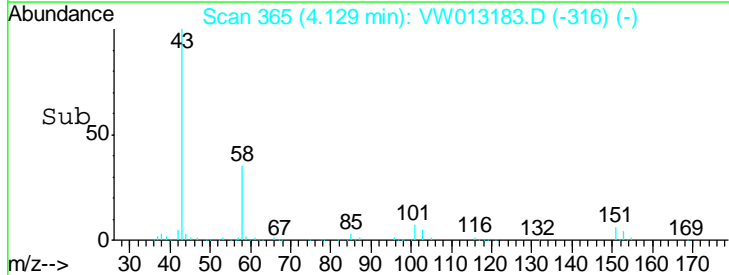
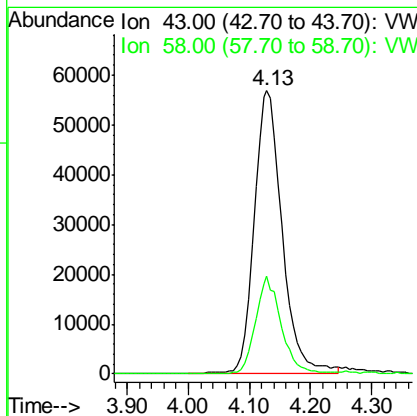
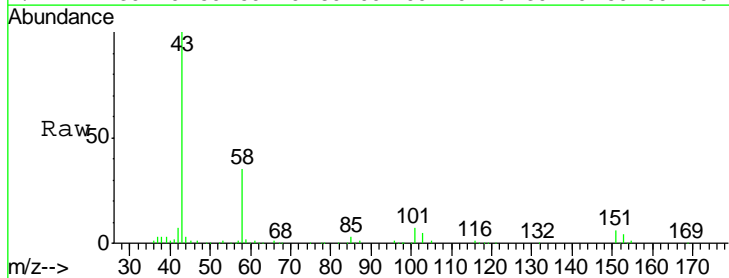
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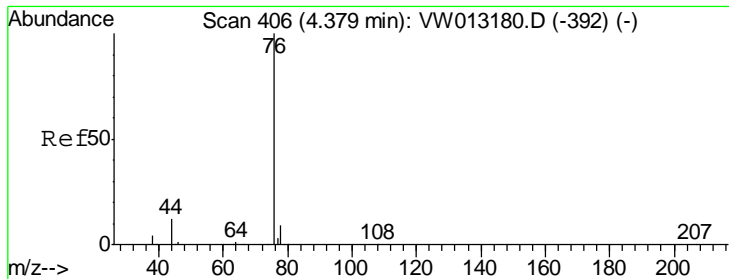
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#16
 Acetone
 Concen: 260.764 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
43	182423		
58	34.5	24.1	36.1





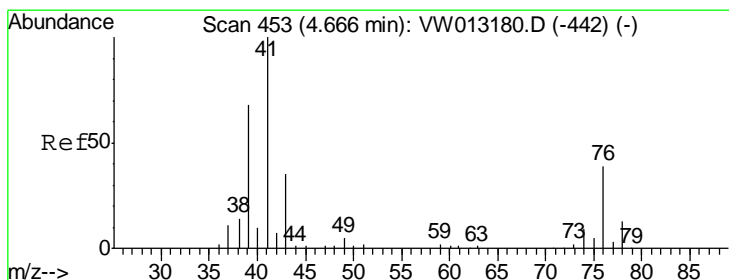
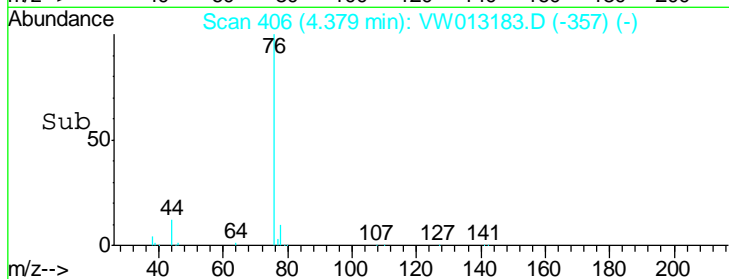
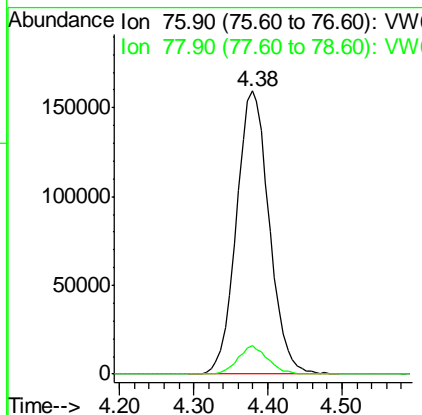
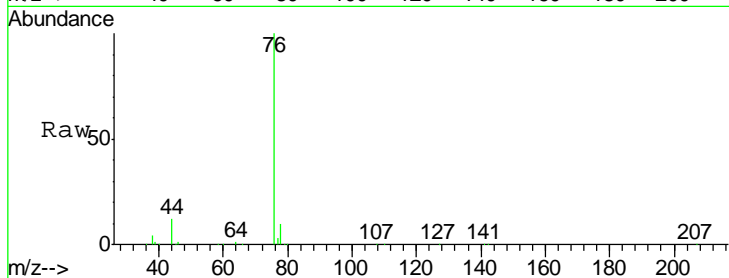
#17
 Carbon Disulfide
 Concen: 48.277 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
76	492891		
76	100		
78	10.1	7.0	10.4

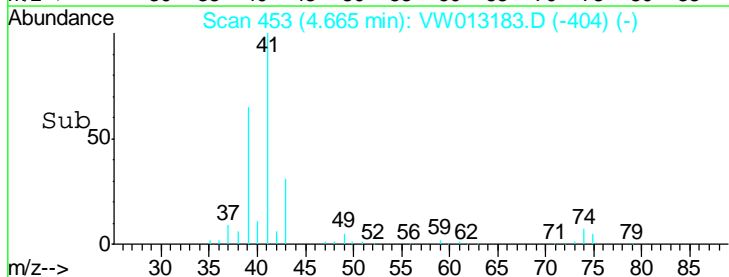
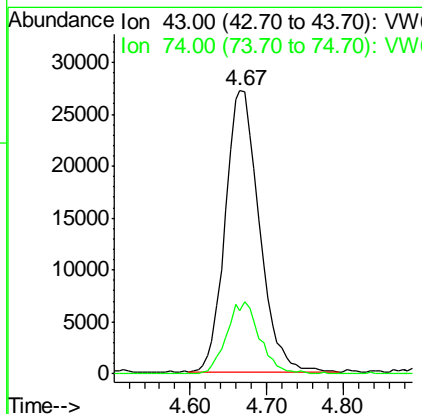
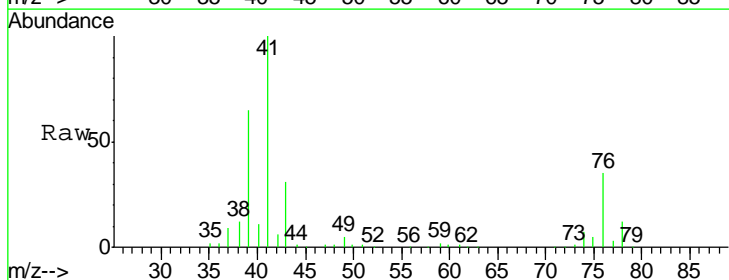
Manual Integrations
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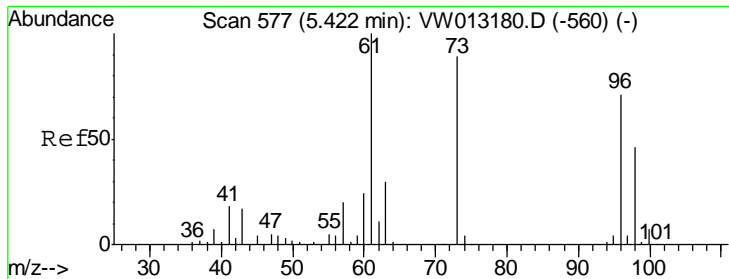
MMDadoda
 9/24/2019 5:28:51 AM



#18
 Methyl Acetate
 Concen: 42.530 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
43	83635		
43	100		
74	24.9	19.3	28.9





#19
 Methyl tert-butyl Ether
 Concen: 46.522 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

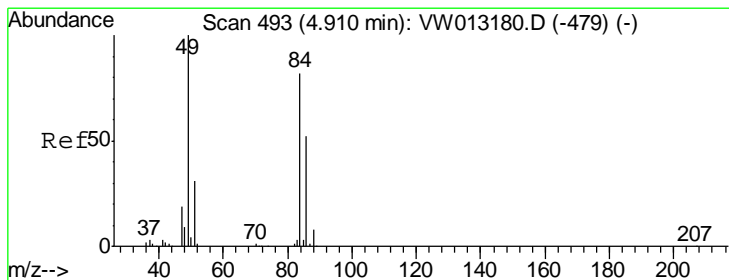
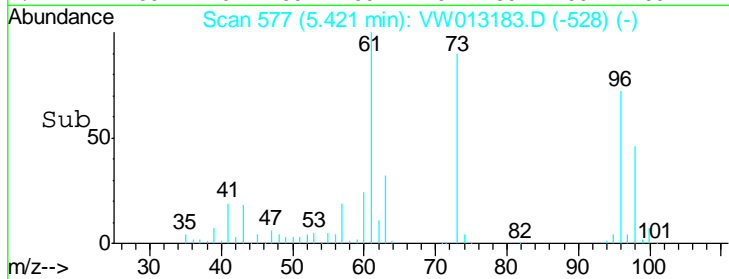
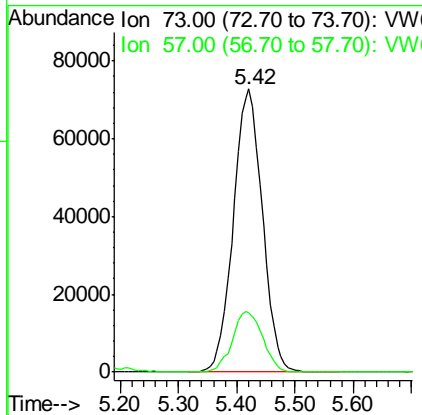
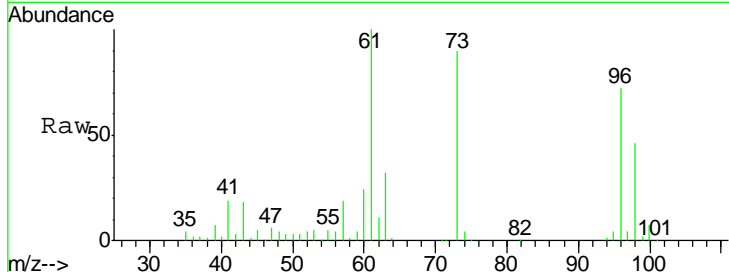
Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion: 73 Resp: 251856

Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.6	26.4

Manual Integrations
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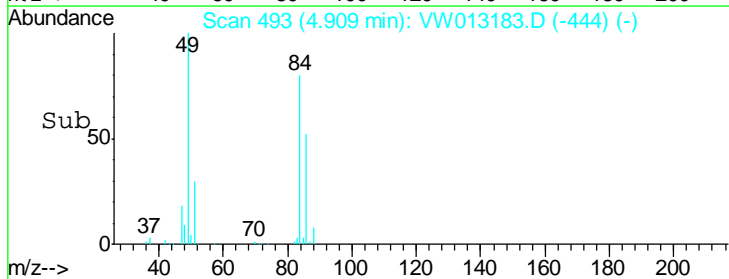
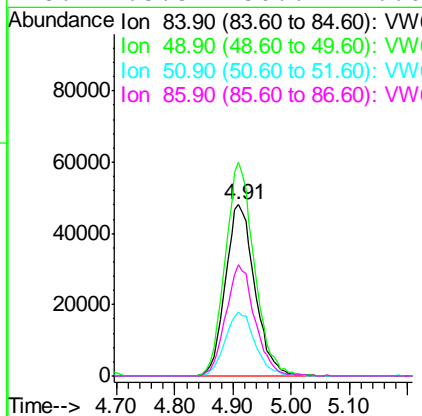
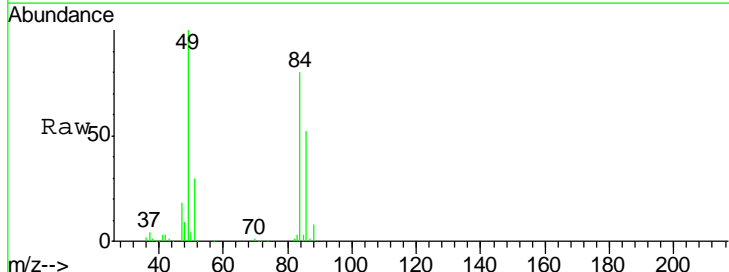
MMDadoda
 9/24/2019 5:28:51 AM

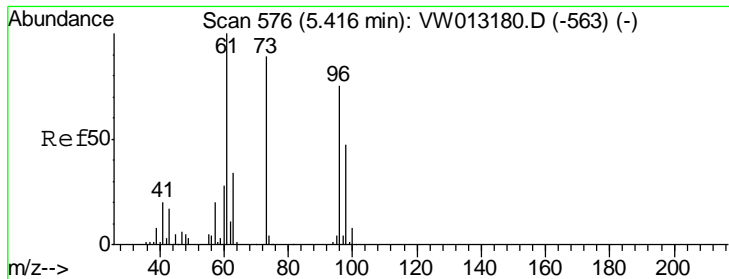


#20
 Methylene Chloride
 Concen: 46.960 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion: 84 Resp: 168647

Ion	Ratio	Lower	Upper
84	100		
49	124.9	97.6	146.4
51	37.8	30.2	45.2
86	65.3	50.6	76.0





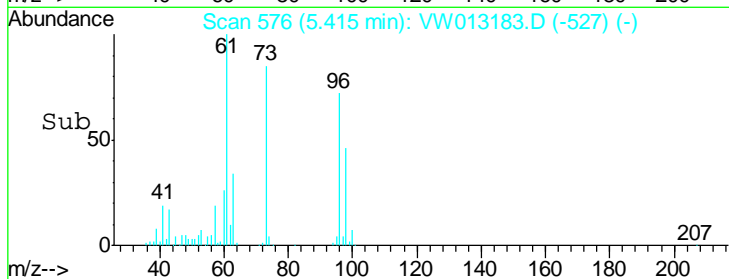
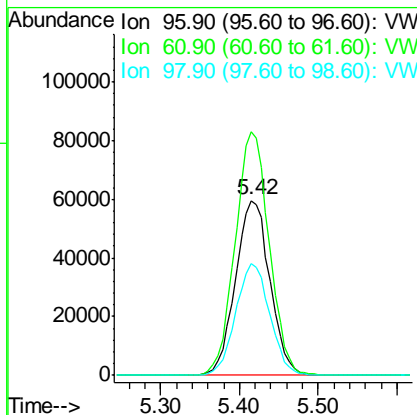
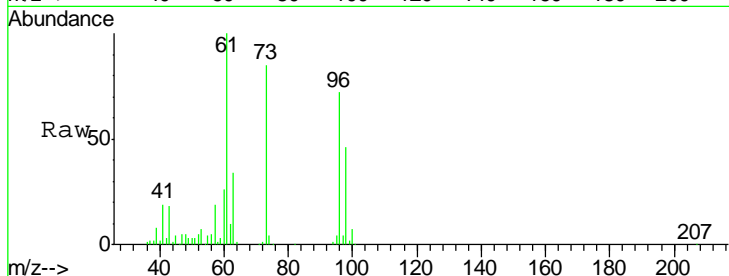
#21
 trans-1,2-Dichloroethene
 Concen: 47.351 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Tgt Ion	Resp	Lower	Upper
96	180775		
61	139.3	106.6	159.8
98	63.7	49.8	74.8

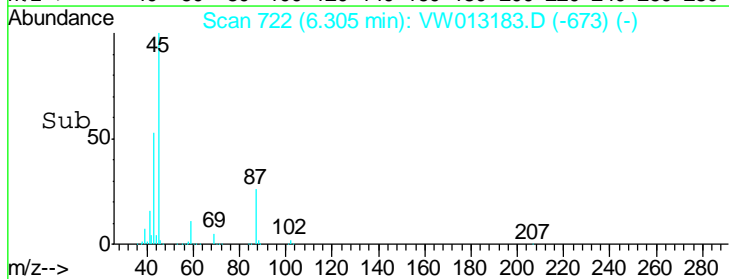
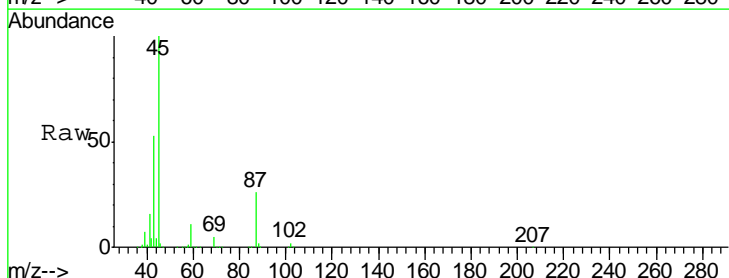
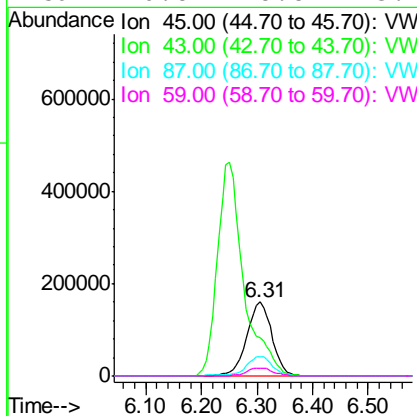
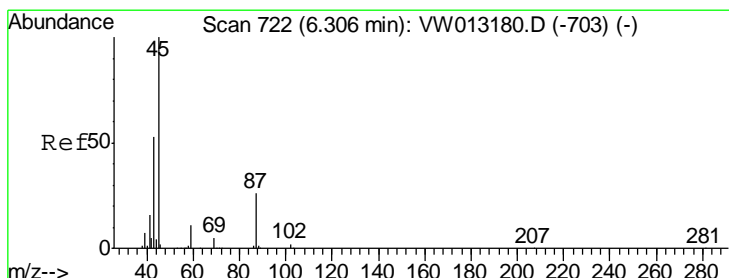
Manual Integrations
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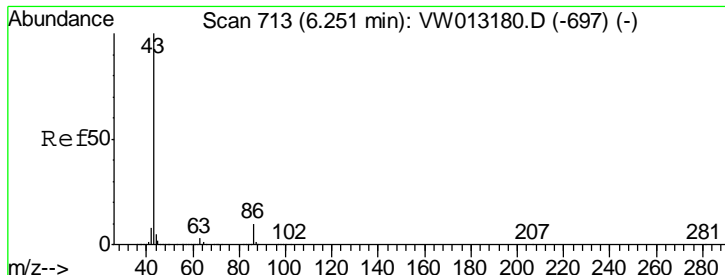
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#22
 Diisopropyl ether
 Concen: 47.344 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
45	506115		
43	52.4	42.4	63.6
87	26.0	20.4	30.6
59	10.8	8.8	13.2





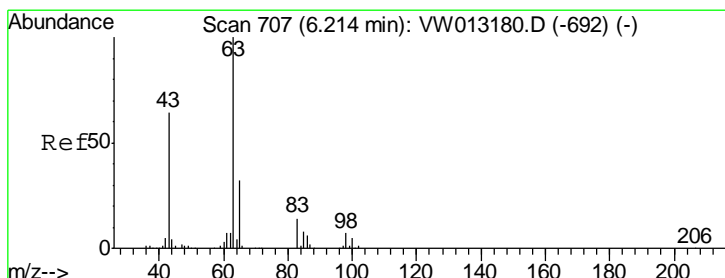
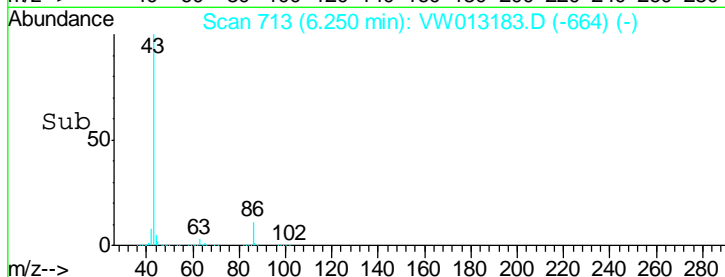
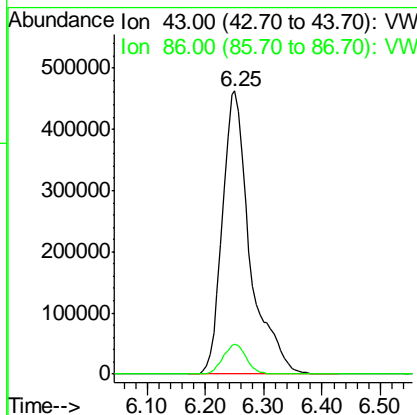
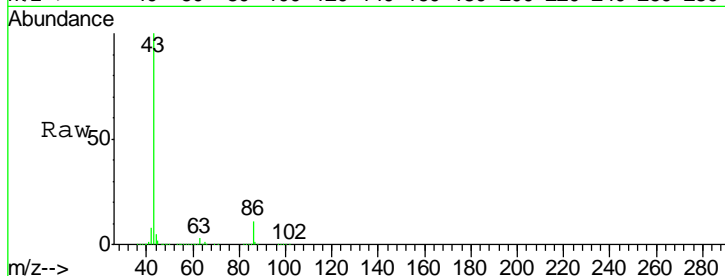
#23
 Vinyl Acetate
 Concen: 240.191 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.7	8.3	12.5

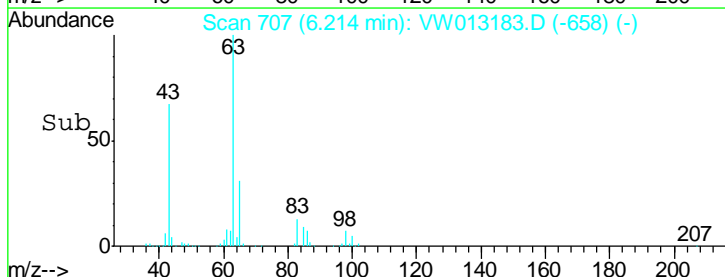
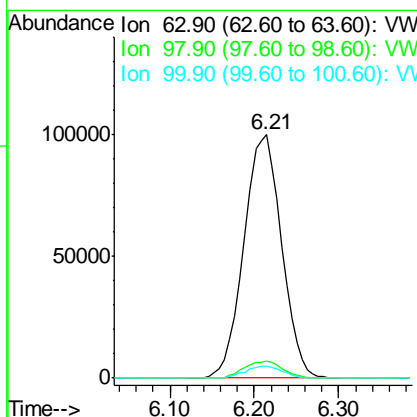
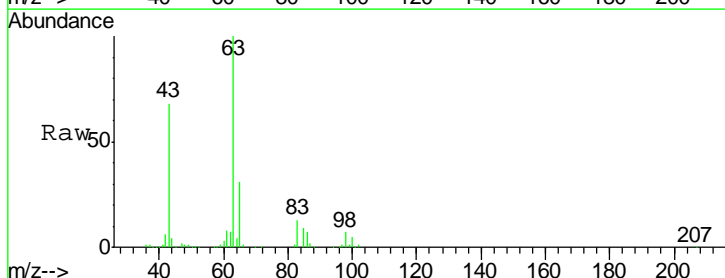
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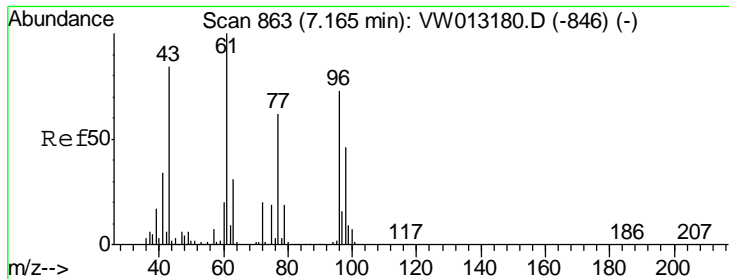
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#24
 1,1-Dichloroethane
 Concen: 47.162 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.7	2.4	7.1





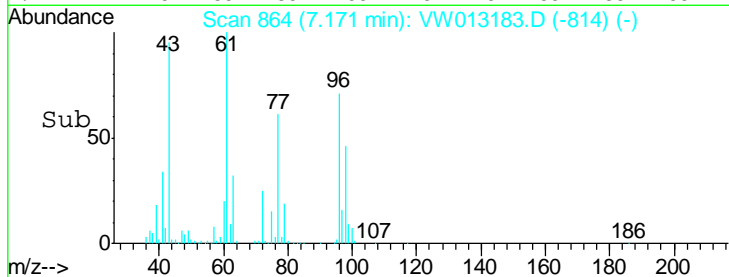
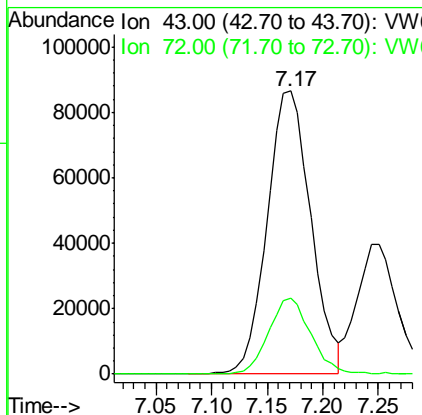
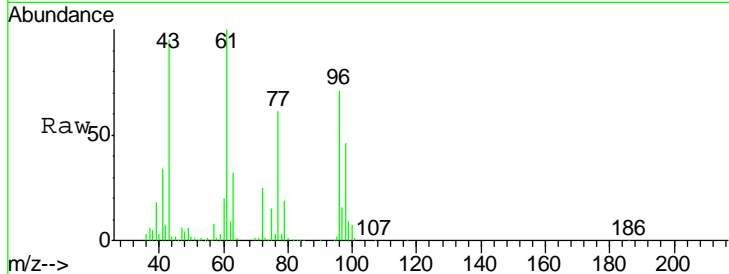
#25
 2-Butanone
 Concen: 224.132 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.9	19.4	29.0

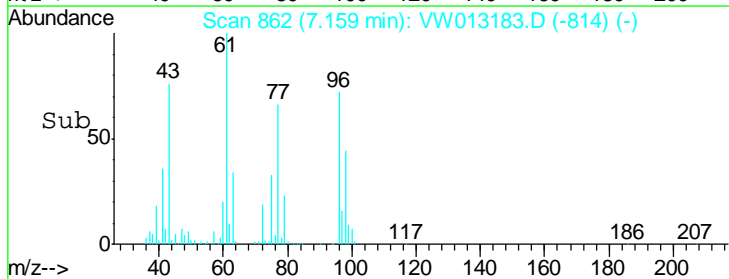
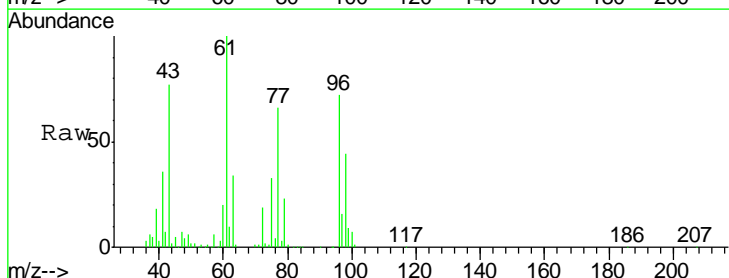
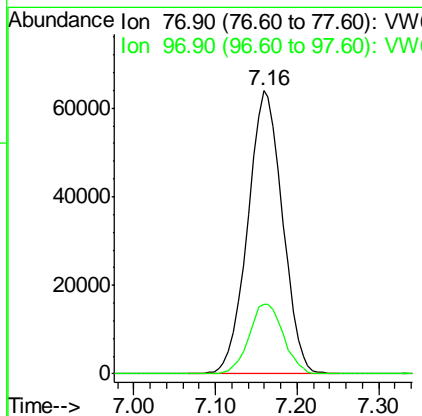
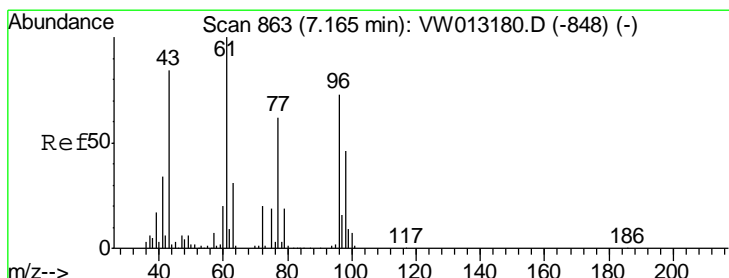
Manual Integrations
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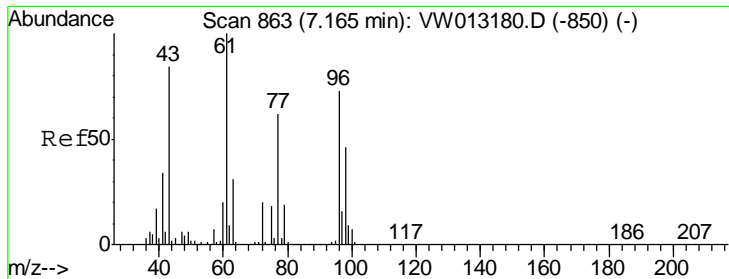
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 49.055 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.3	11.8	35.4





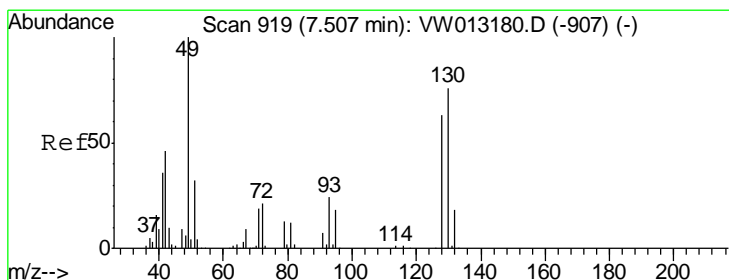
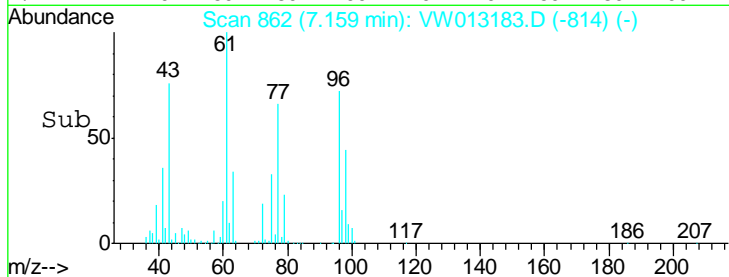
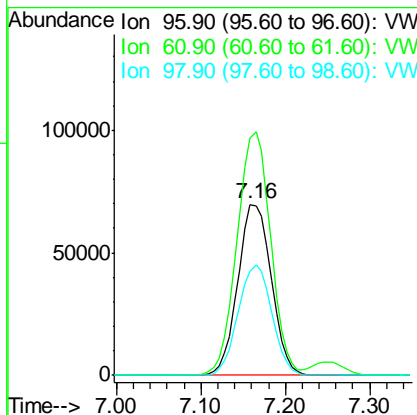
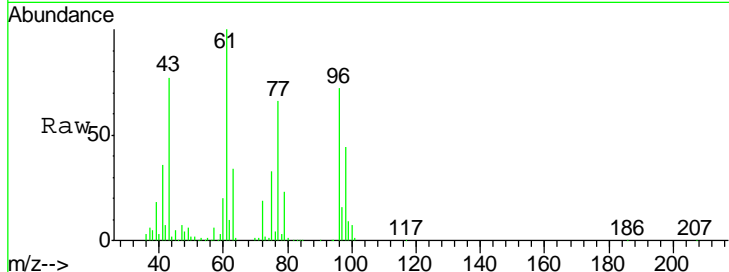
#27
 cis-1,2-Dichloroethene
 Concen: 46.618 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Tgt Ion	Resp	Lower	Upper
96	187826		
96	100		
61	142.8	0.0	282.4
98	64.9	0.0	128.2

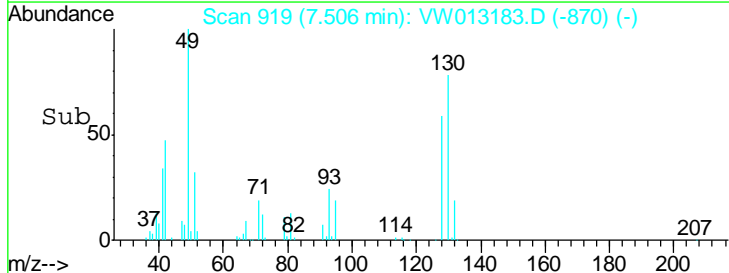
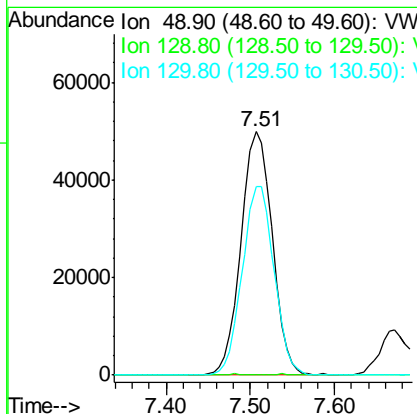
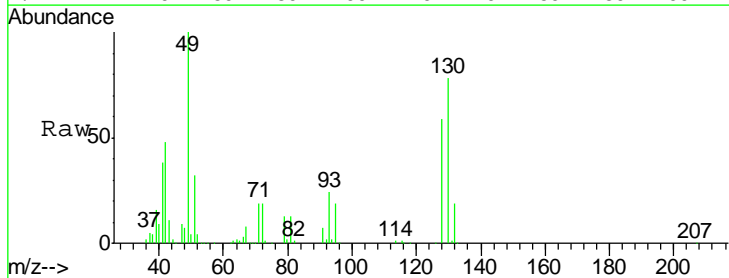
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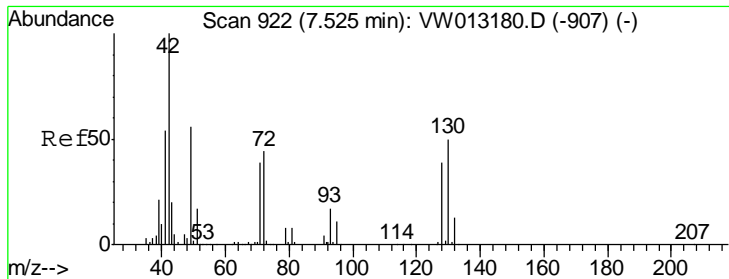
MMDadoda
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#28
 Bromochloromethane
 Concen: 50.633 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
49	125358		
49	100		
129	0.0	0.0	1.0
130	78.7	63.4	95.2





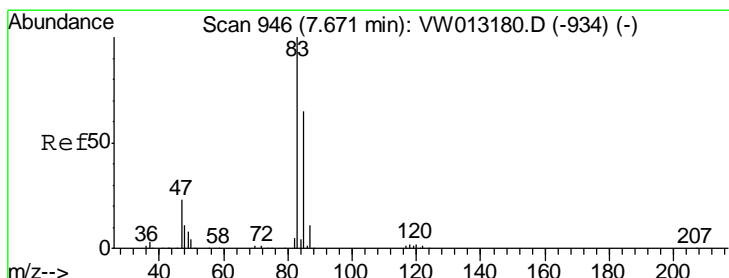
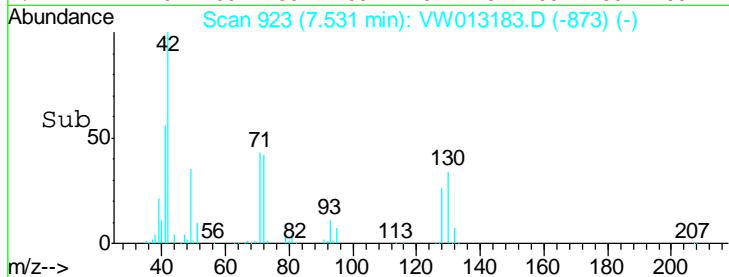
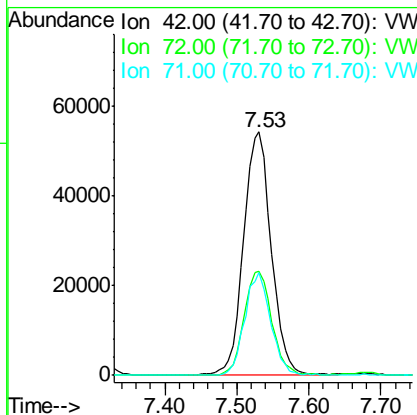
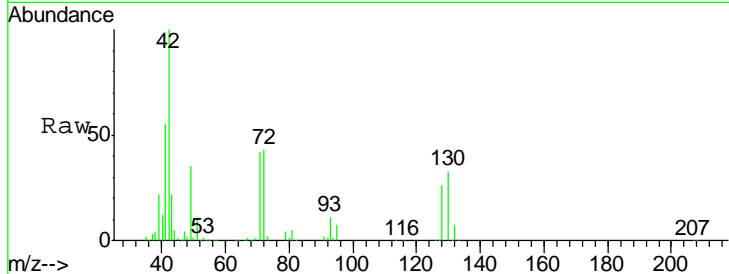
#29
 Tetrahydrofuran
 Concen: 225.981 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.6	33.9	50.9
71	39.6	31.9	47.9

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

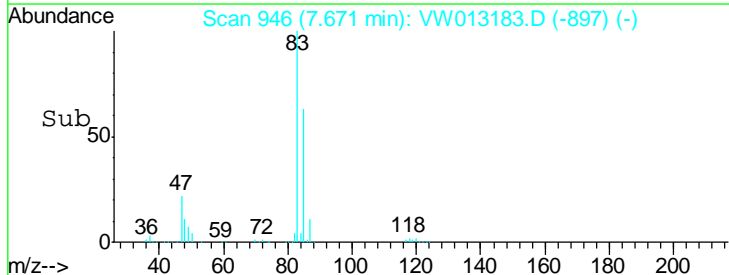
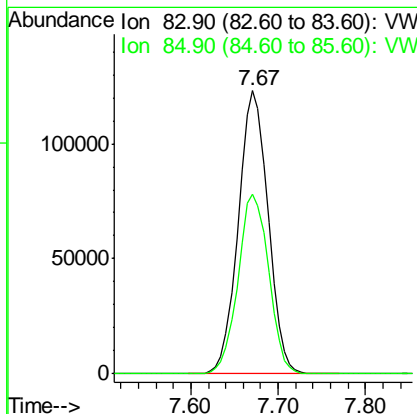
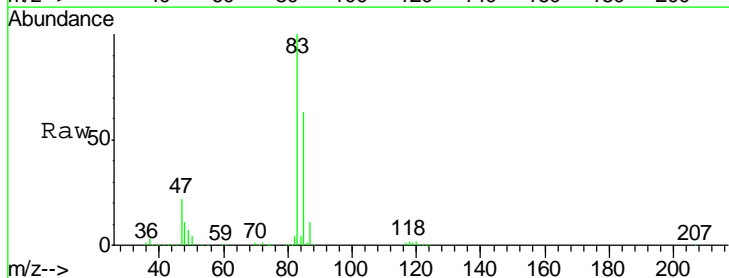
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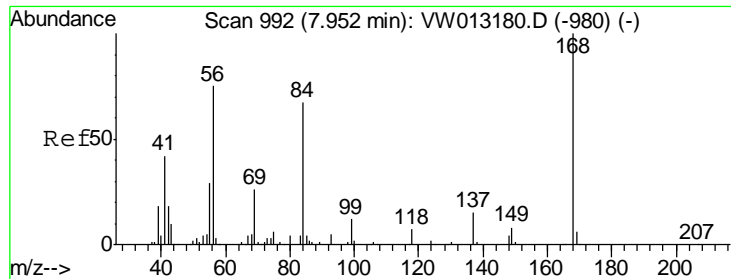
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#30
 Chloroform
 Concen: 46.141 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.3	52.3	78.5





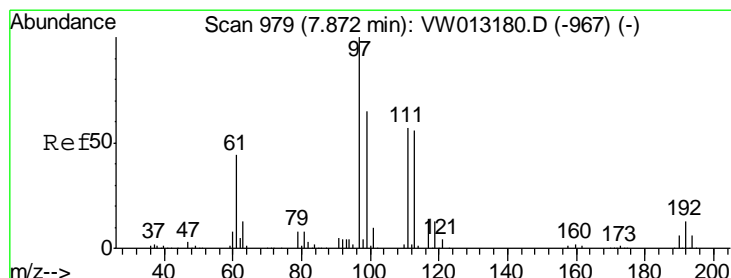
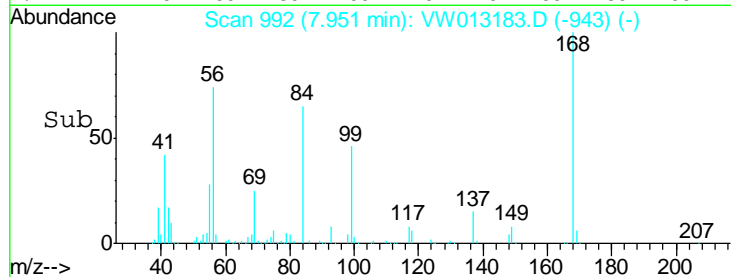
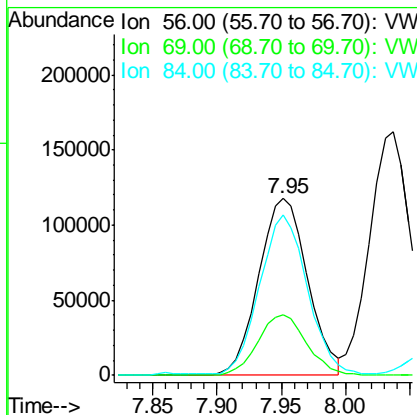
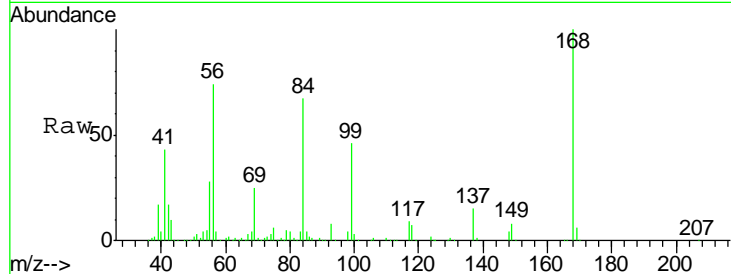
#31
 Cyclohexane
 Concen: 46.119 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
56	100		
69	34.4	27.2	40.8
84	89.6	70.8	106.2

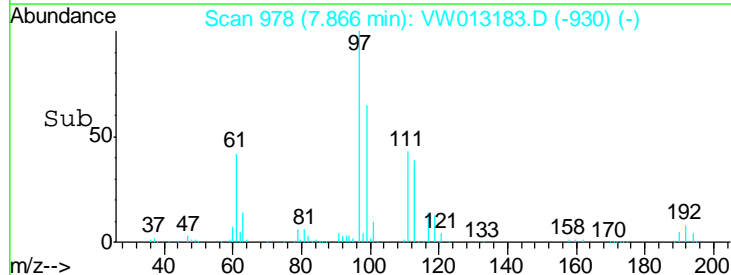
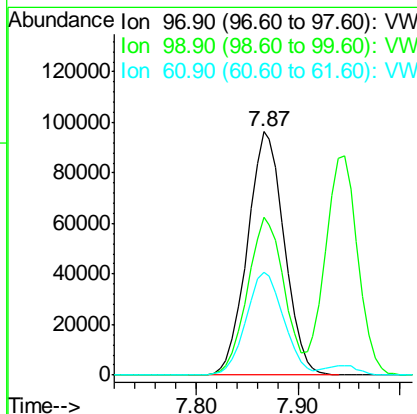
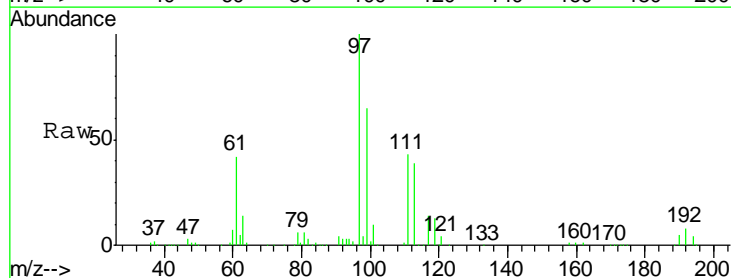
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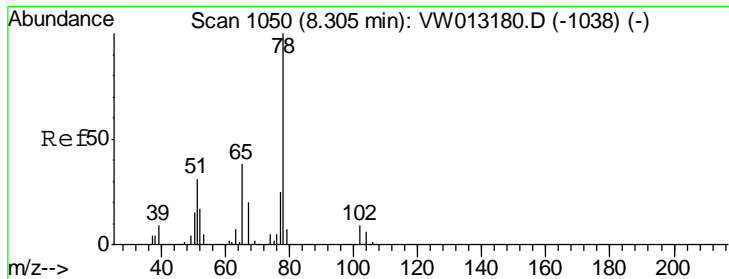
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#32
 1,1,1-Trichloroethane
 Concen: 47.253 ug/l
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	42.9	34.6	51.8





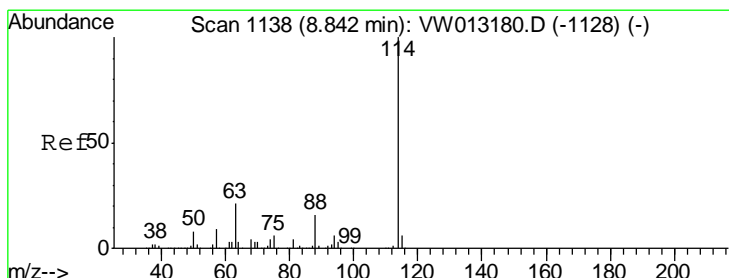
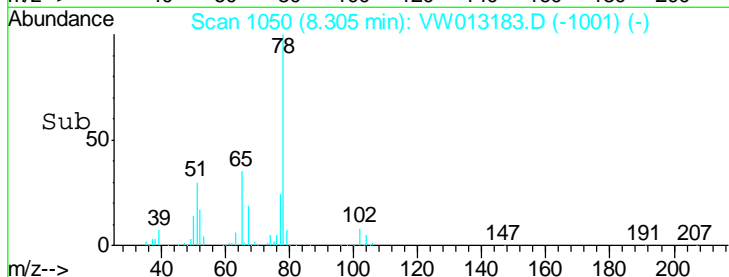
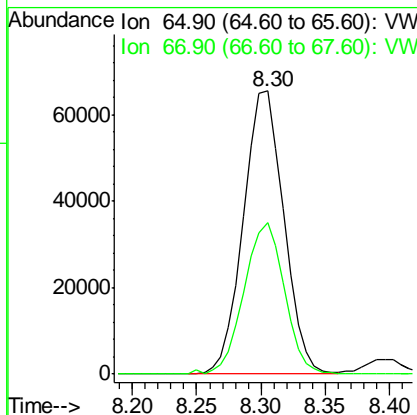
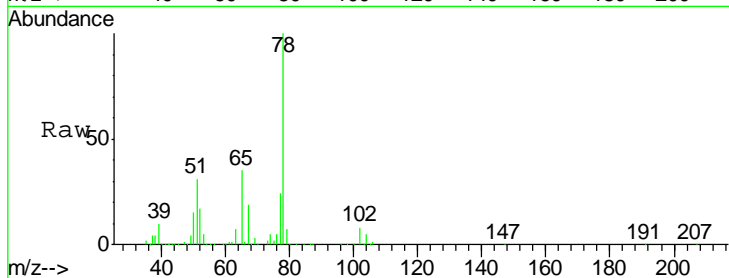
#33
 1,2-Dichloroethane-d4
 Concen: 46.070 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVW092019

Tgt Ion	Resp	Lower	Upper
65	142916		
65	100		
67	53.4	0.0	106.2

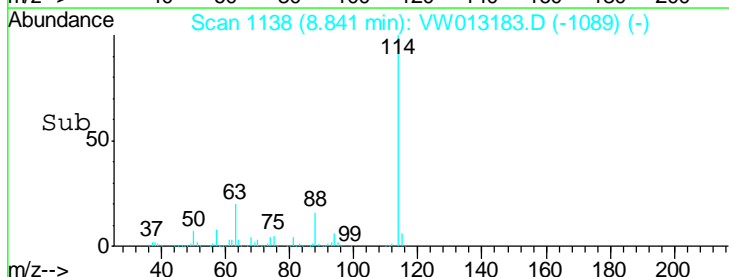
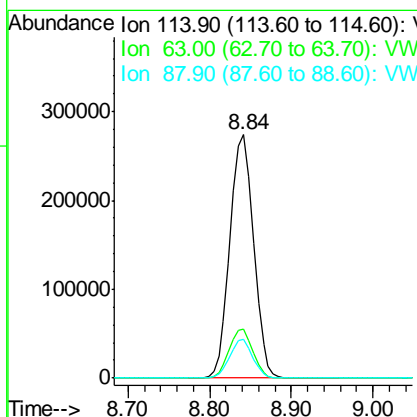
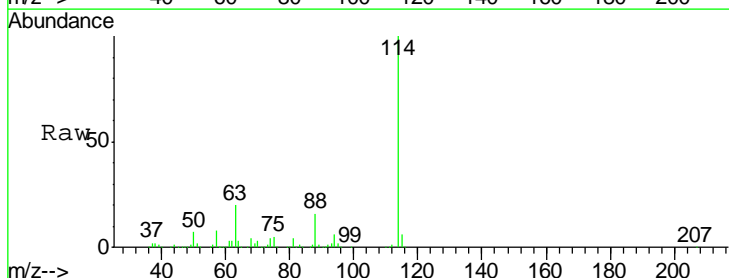
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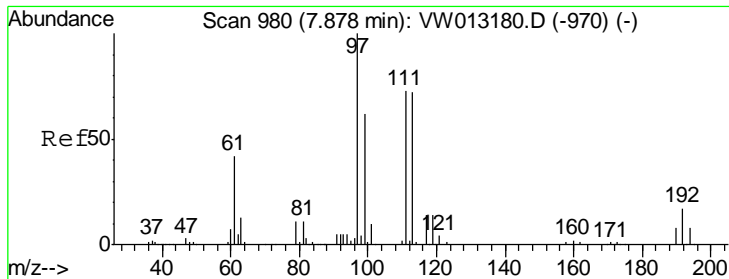
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
114	547785		
114	100		
63	20.0	0.0	41.4
88	15.9	0.0	32.0





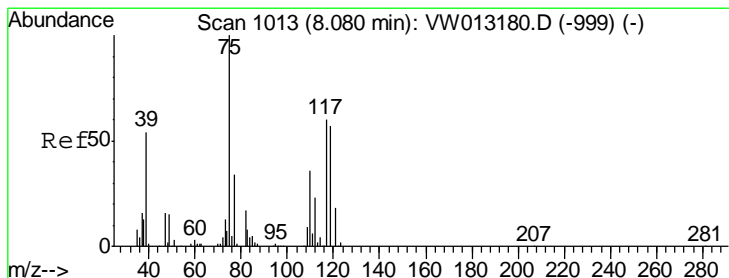
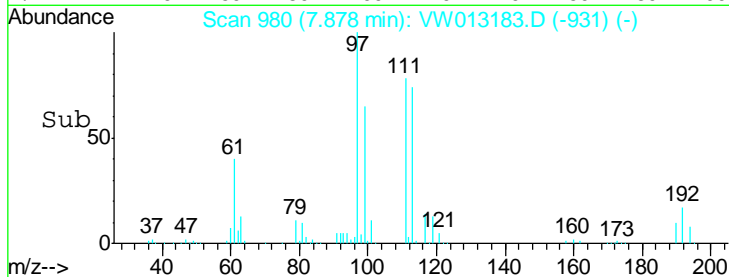
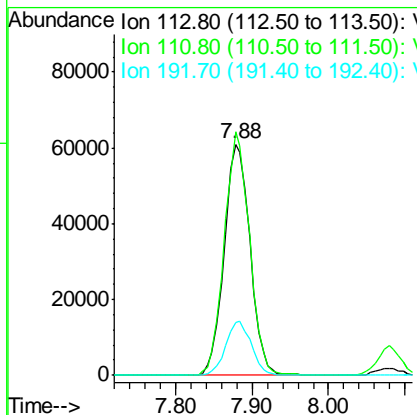
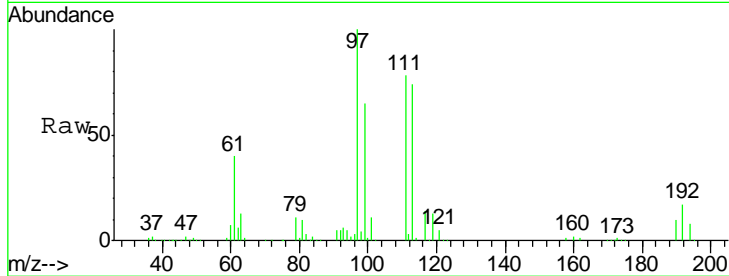
#35
 Dibromofluoromethane
 Concen: 47.354 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
113	142670		
113	100		
111	102.6	81.9	122.9
192	23.0	19.1	28.7

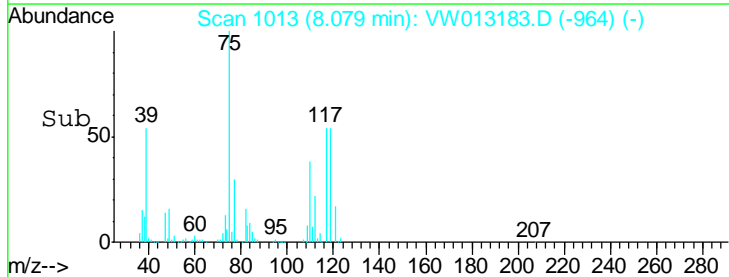
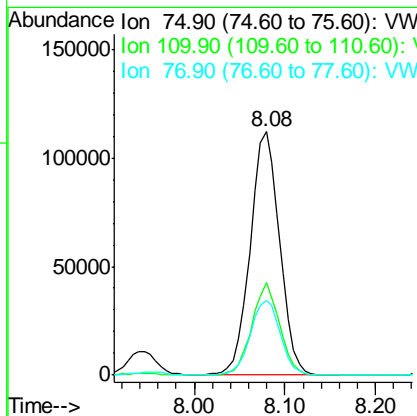
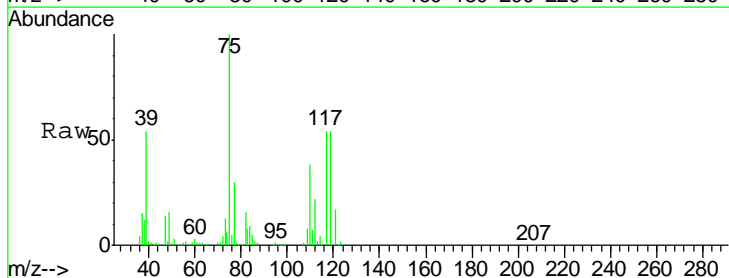
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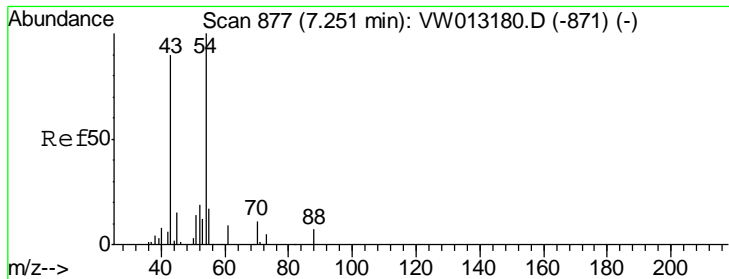
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#36
 1,1-Dichloropropene
 Concen: 47.230 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
75	250588		
75	100		
110	35.8	18.1	54.3
77	31.5	25.8	38.6





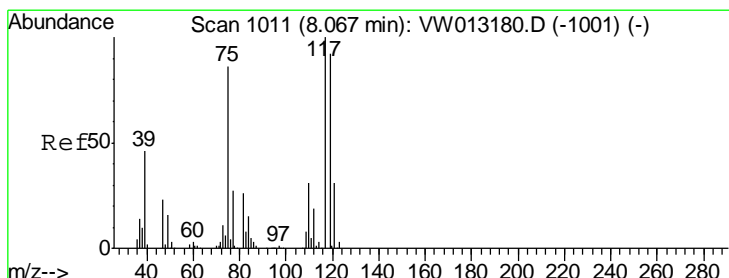
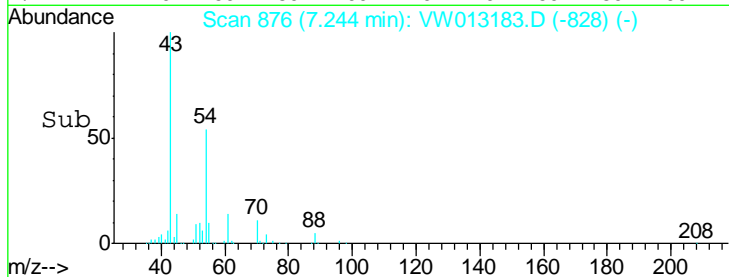
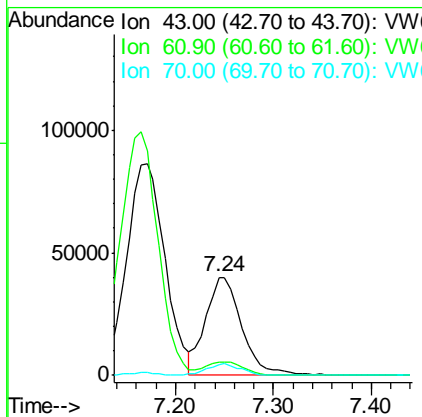
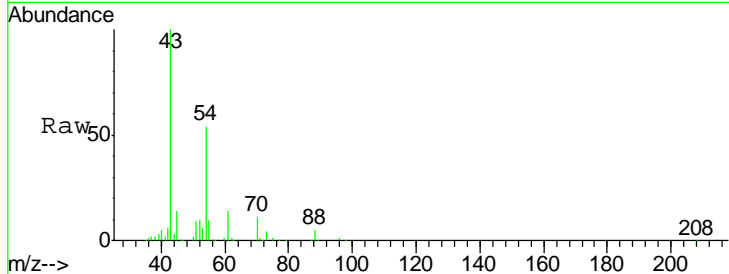
#37
 Ethyl Acetate
 Concen: 45.126 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	101755		
61	14.0	10.9	16.3
70	11.1	8.2	12.2

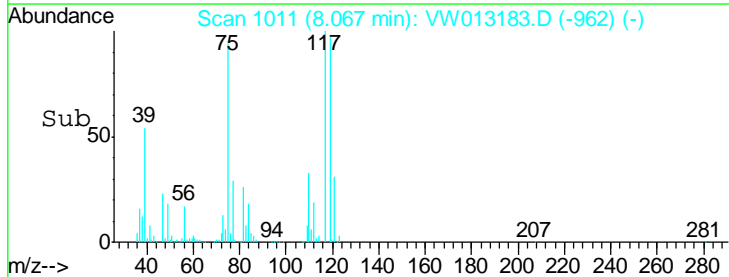
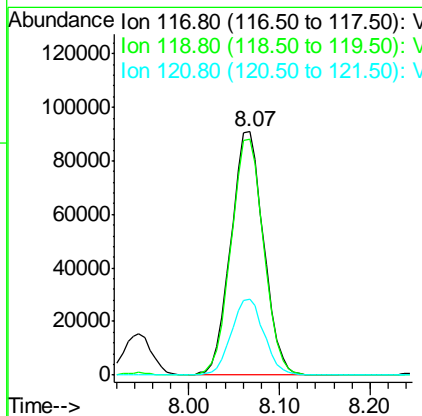
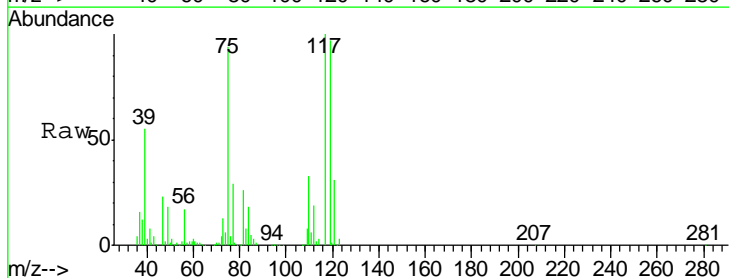
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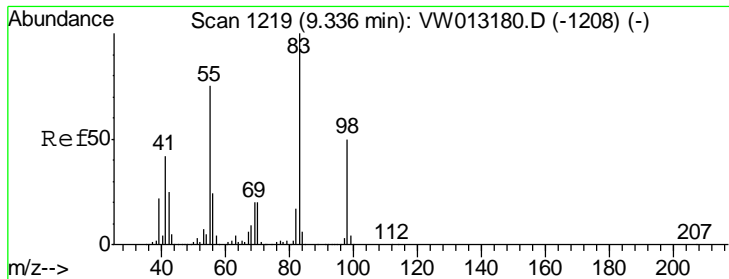
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#38
 Carbon Tetrachloride
 Concen: 47.901 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
117	227824		
119	96.8	73.5	110.3
121	30.9	25.0	37.6





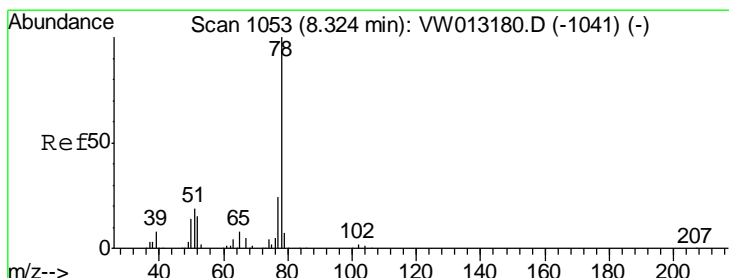
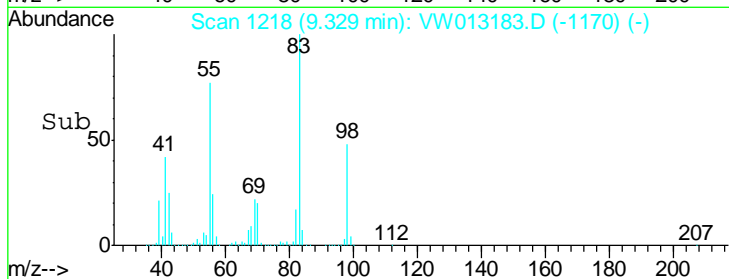
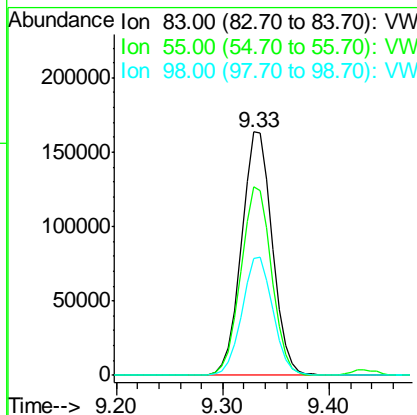
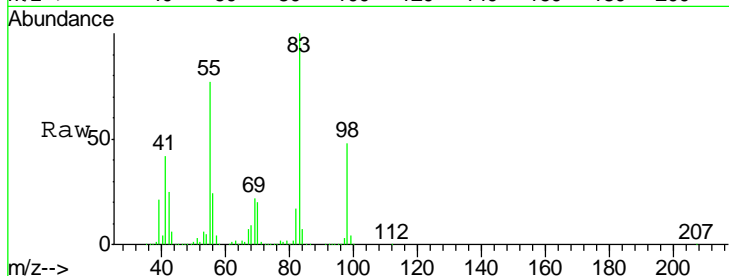
#39
 Methylcyclohexane
 Concen: 48.771 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Tgt Ion	Resp	Lower	Upper
83	332539		
83	100		
55	77.4	60.4	90.6
98	47.8	40.0	60.0

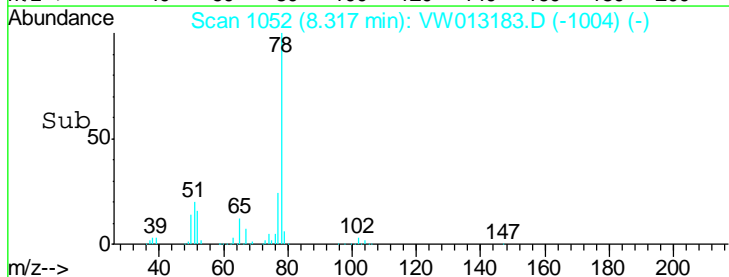
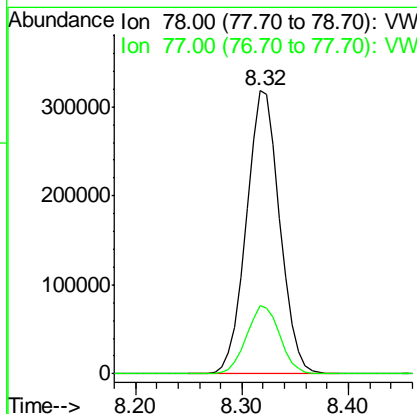
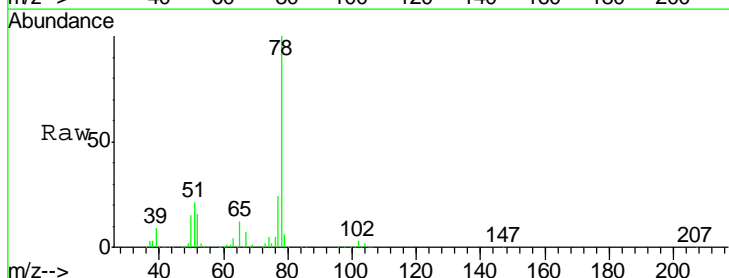
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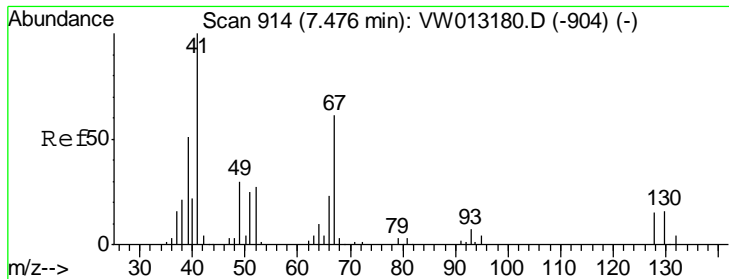
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#40
 Benzene
 Concen: 47.296 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

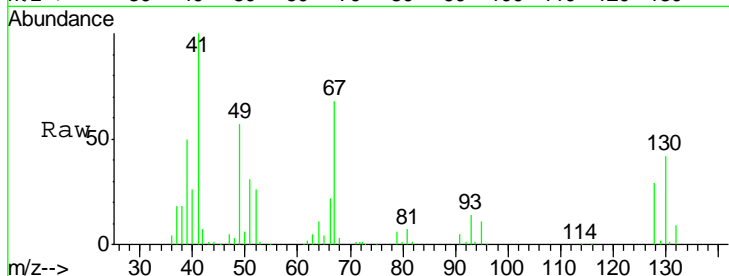
Tgt Ion	Resp	Lower	Upper
78	699939		
78	100		
77	24.0	19.1	28.7





#41
 Methacrylonitrile
 Concen: 45.973 ug/l
 RT: 7.48 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

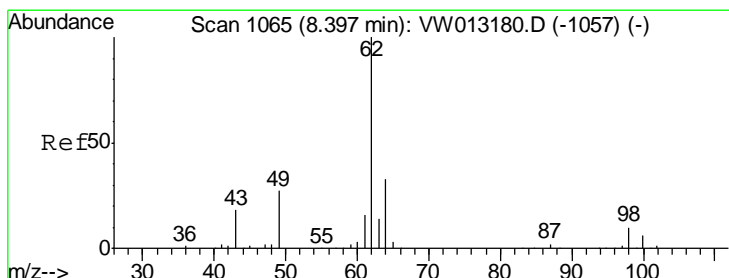
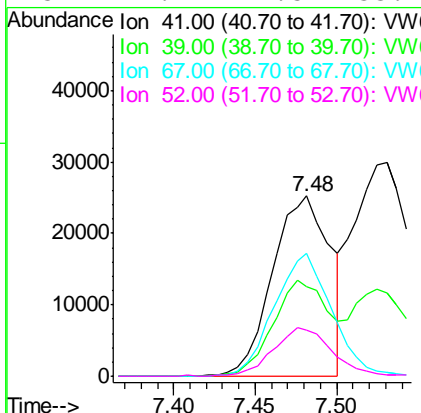
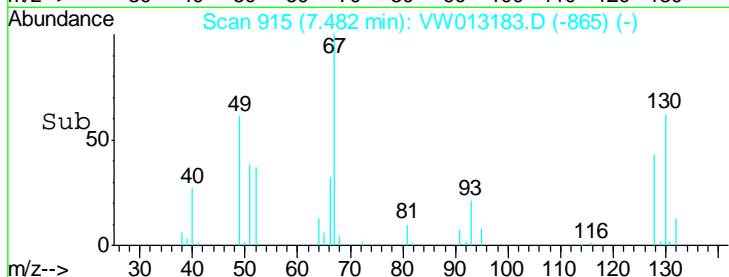


Tgt Ion: 41 Resp: 61871

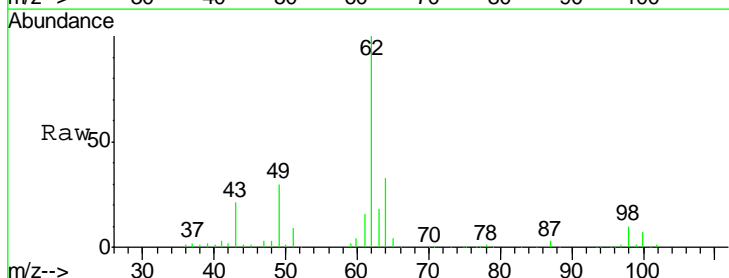
Ion	Ratio	Lower	Upper
41	100		
39	51.2	45.9	68.9
67	67.8	54.5	81.7
52	27.7	22.5	33.7

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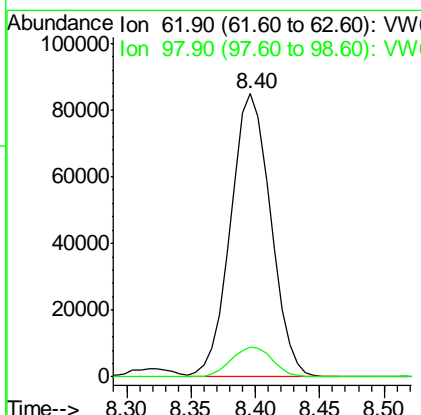
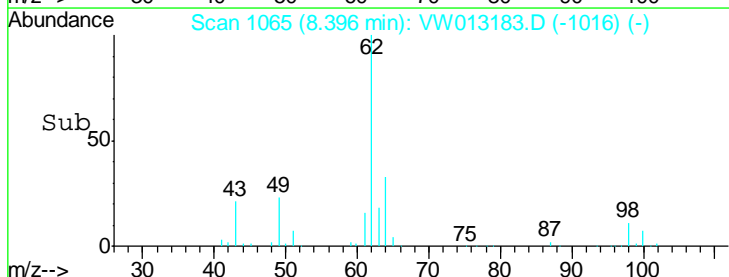


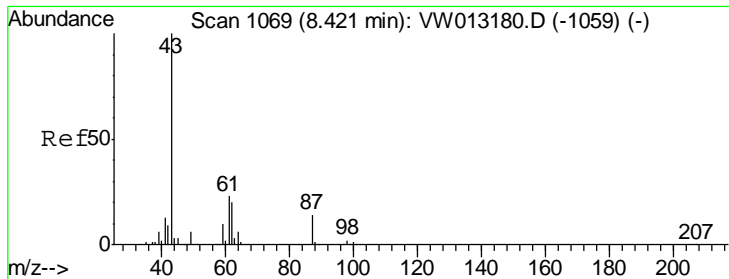
#42
 1,2-Dichloroethane
 Concen: 46.102 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion: 62 Resp: 183408

Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6





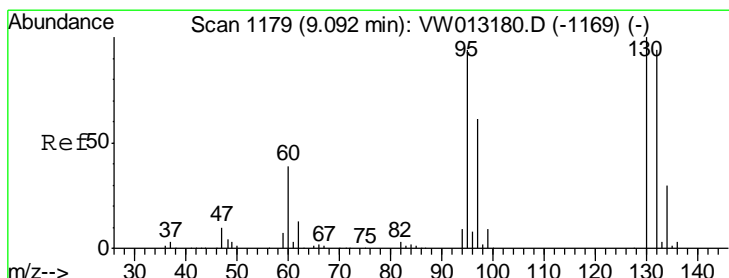
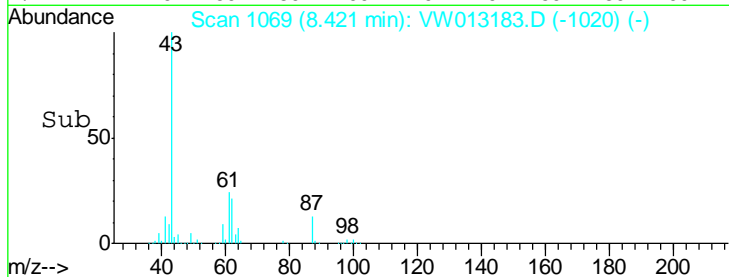
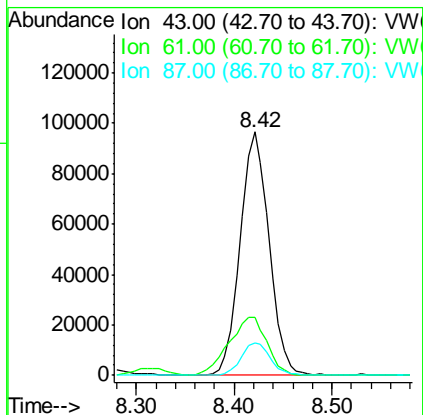
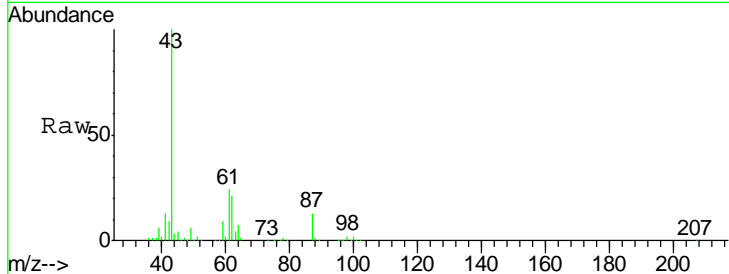
#43
 Isopropyl Acetate
 Concen: 45.726 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	197615		
61	31.7	25.5	38.3
87	13.6	11.0	16.4

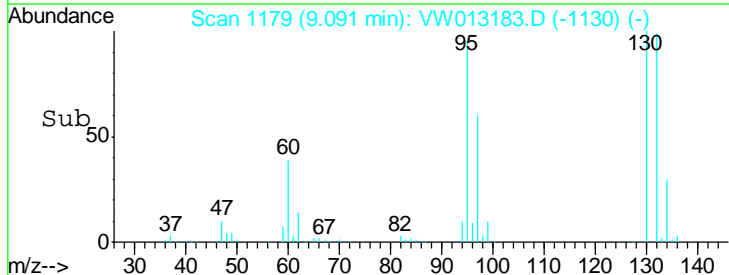
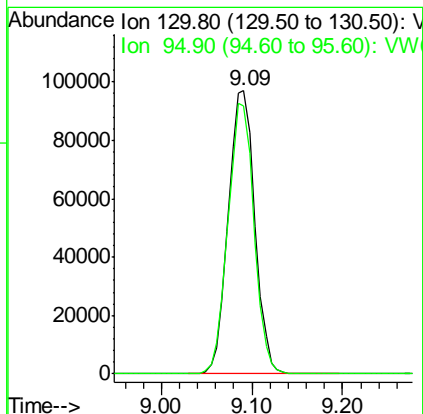
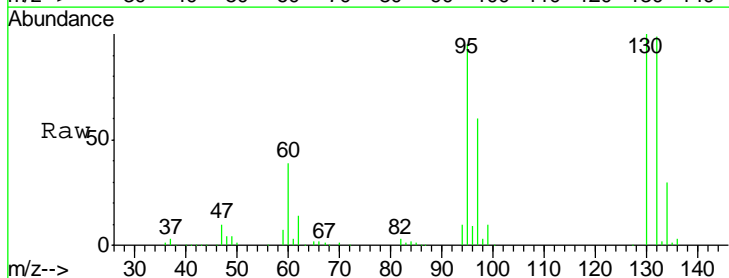
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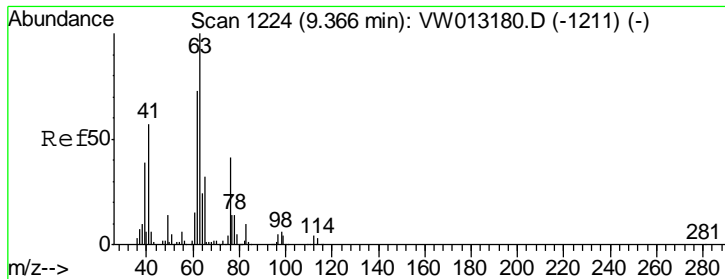
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#44
 Trichloroethene
 Concen: 47.287 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
130	196346		
95	94.6	0.0	188.0





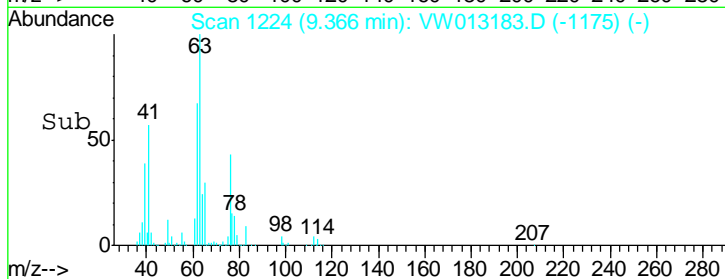
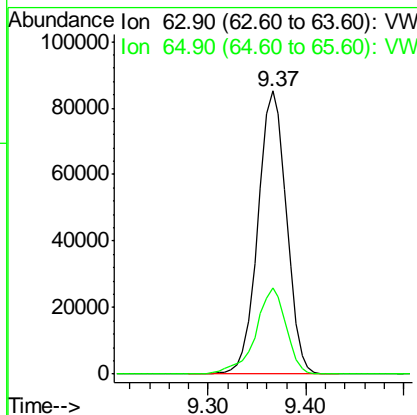
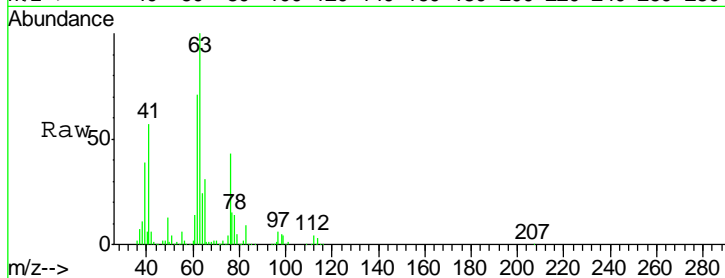
#45
 1,2-Dichloropropane
 Concen: 47.627 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
63	172081		
65	30.7	25.3	37.9

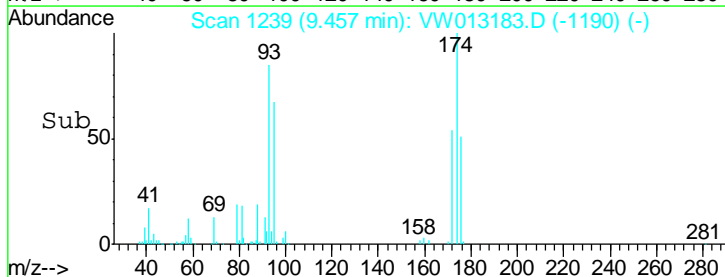
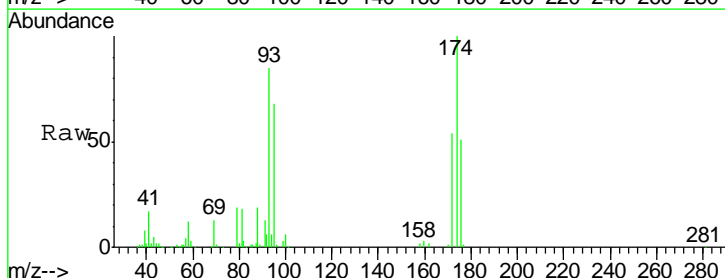
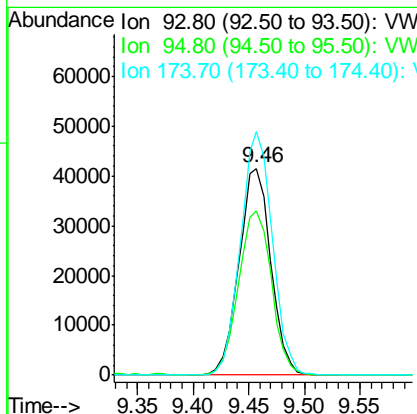
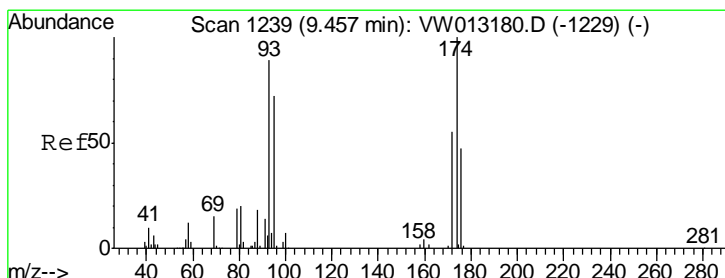
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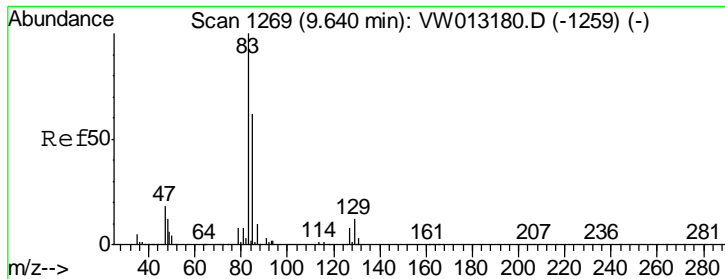
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#46
 Dibromomethane
 Concen: 47.009 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
93	82460		
95	82.2	66.4	99.6
174	117.8	93.0	139.6

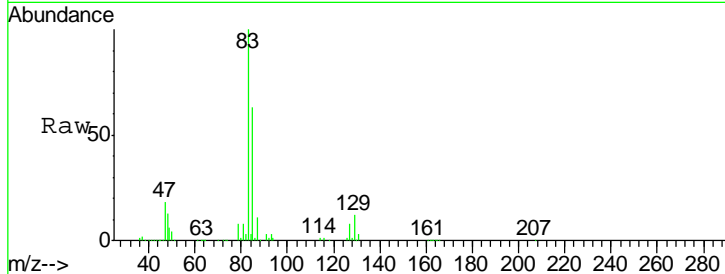




#47

Bromodichloromethane
 Concen: 47.957 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

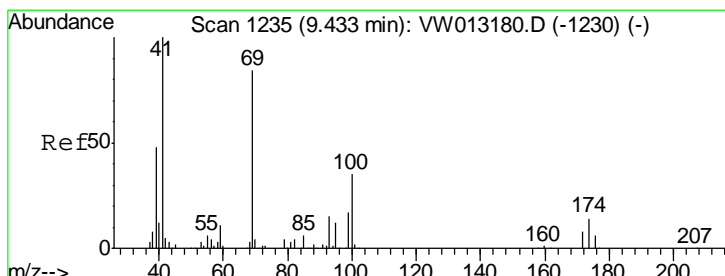
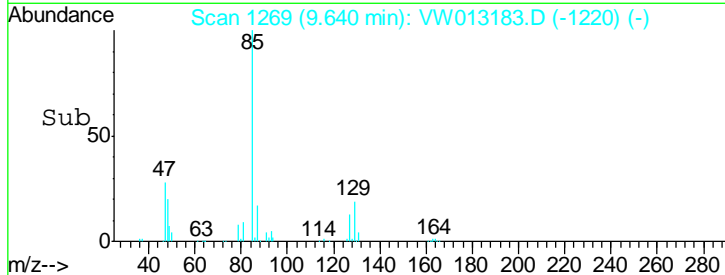
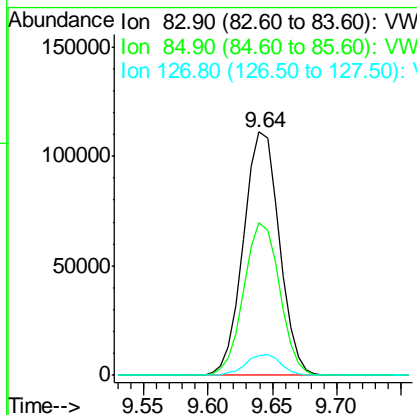
Instrument : MSVOA_W
 ClientSampled : ICVVW092019



Tgt Ion	Resp	Lower	Upper
83	100		
85	62.5	49.4	74.2
127	8.3	6.5	9.7

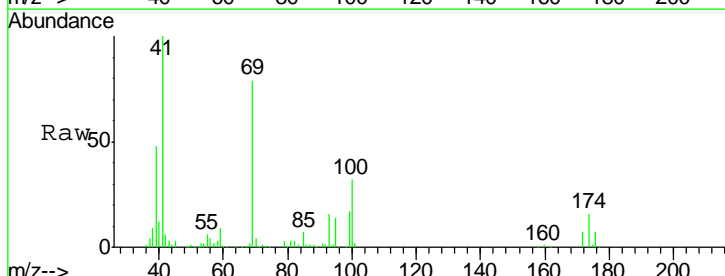
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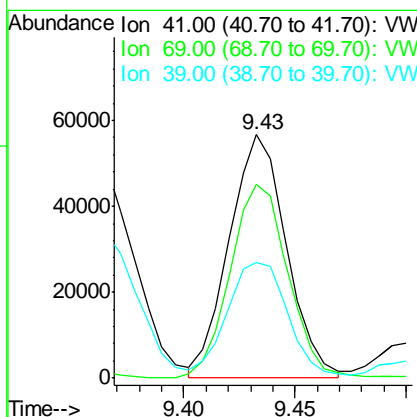
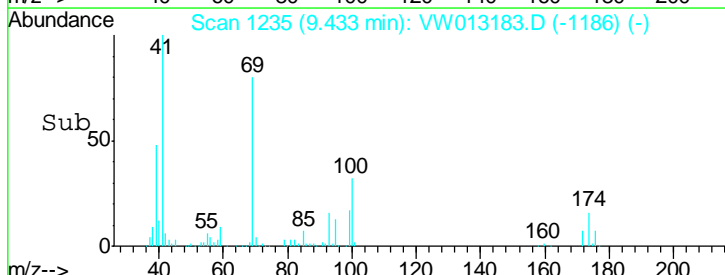


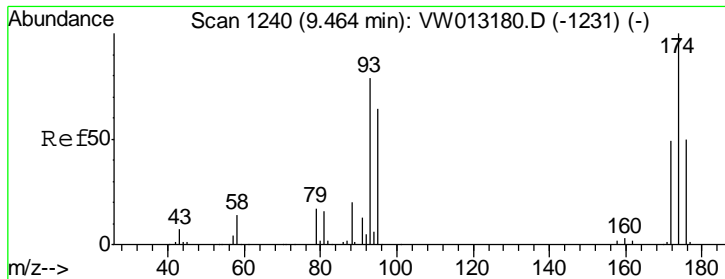
#48

Methyl methacrylate
 Concen: 49.749 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion	Resp	Lower	Upper
41	100		
69	80.5	69.7	104.5
39	47.8	41.1	61.7





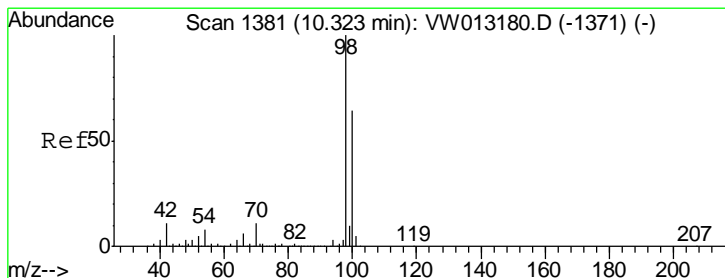
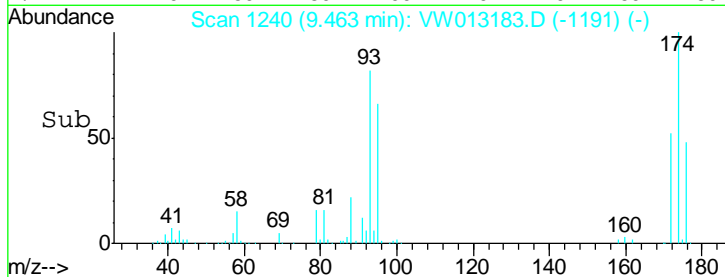
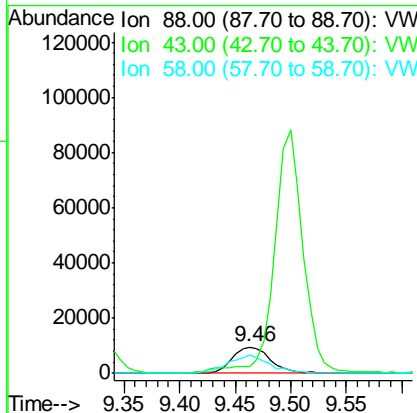
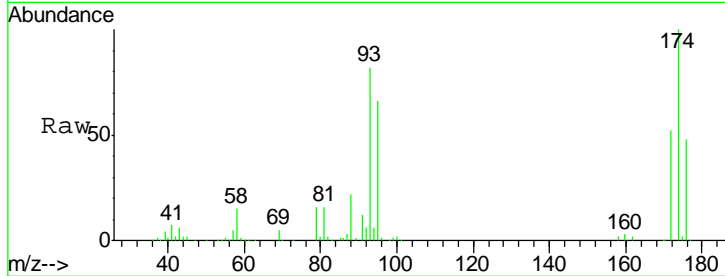
#49
 1,4-Dioxane
 Concen: 874.296 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
88	23021		
88	100		
43	0.0	0.0	0.0
58	73.2	65.4	98.0

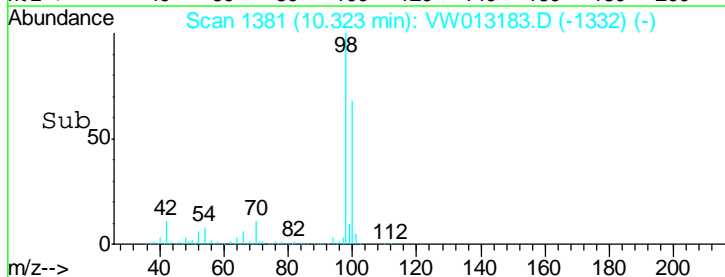
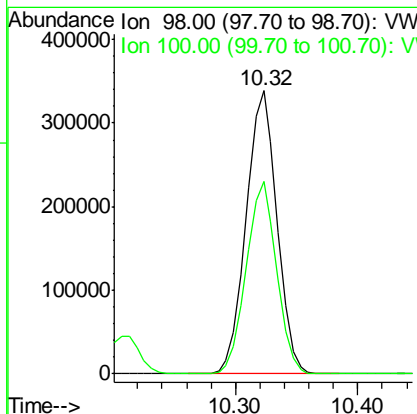
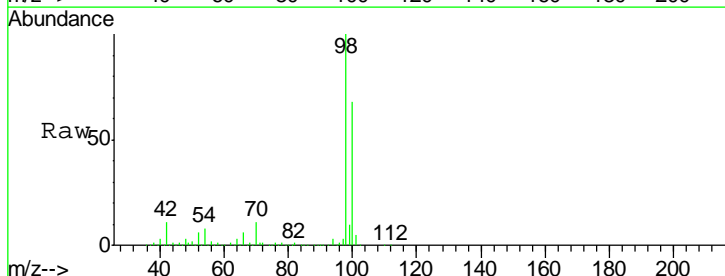
Manual Integrations
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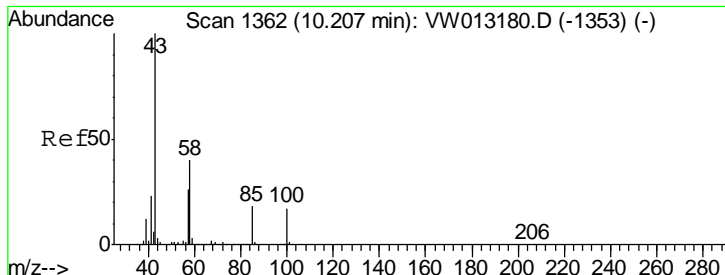
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#50
 Toluene-d8
 Concen: 47.136 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
98	594334		
98	100		
100	67.0	52.9	79.3





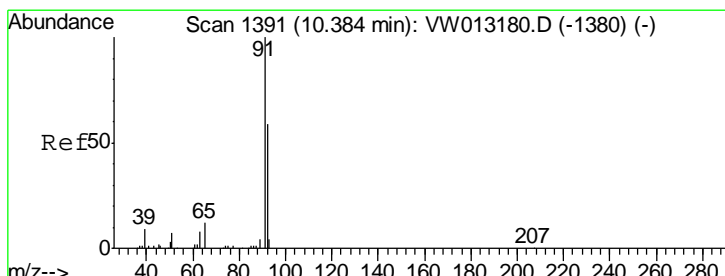
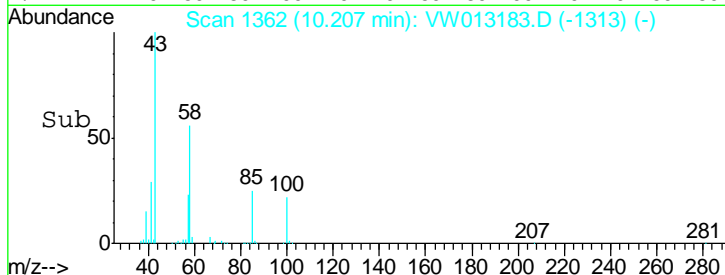
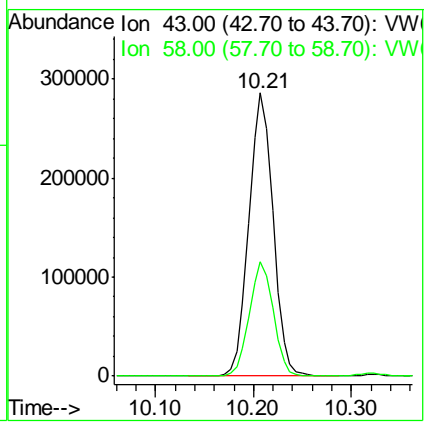
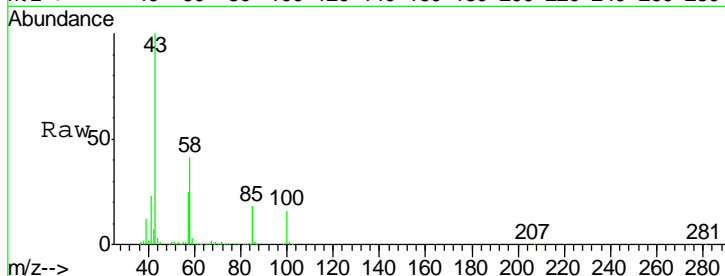
#51
 4-Methyl-2-Pentanone
 Concen: 227.362 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.3	31.7	47.5

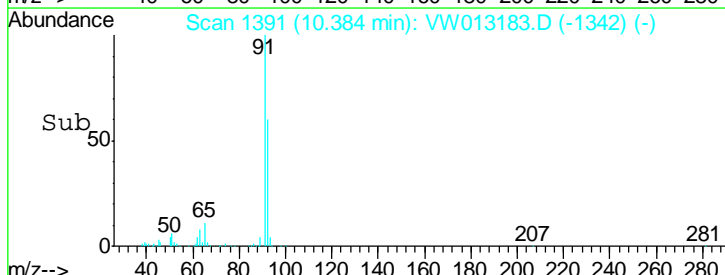
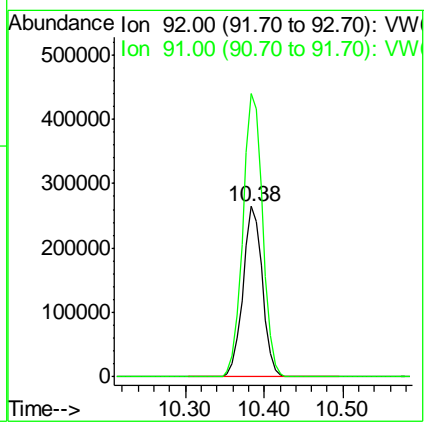
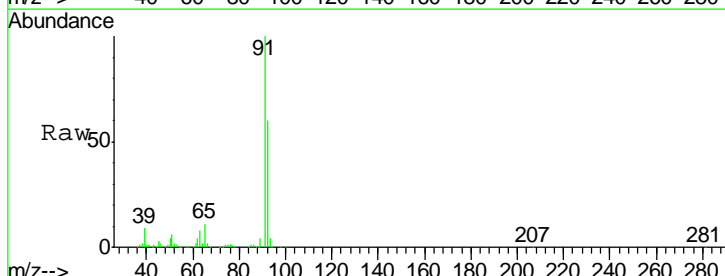
Manual Integrations
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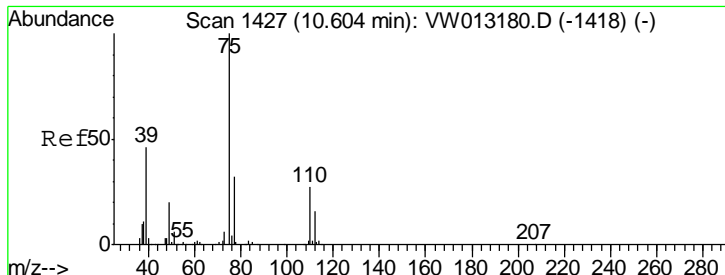
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#52
 Toluene
 Concen: 47.528 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.3	135.7	203.5





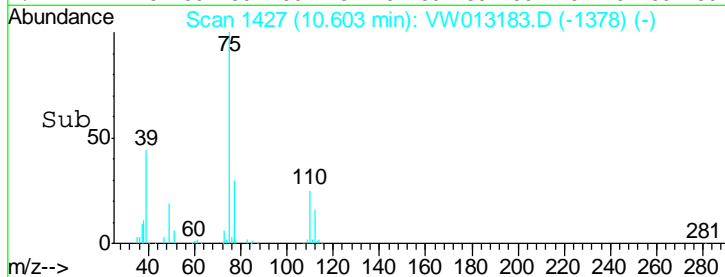
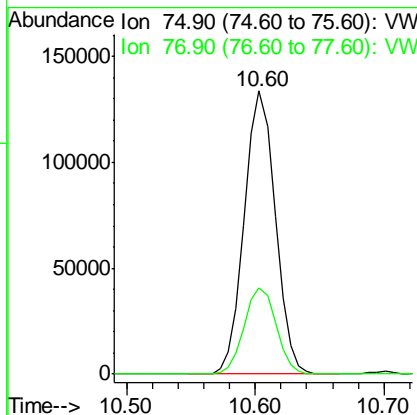
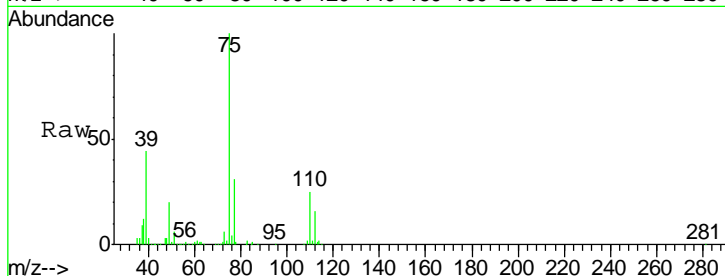
#53
 t-1,3-Dichloropropene
 Concen: 48.697 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
75	223312		
75	100		
77	30.5	25.5	38.3

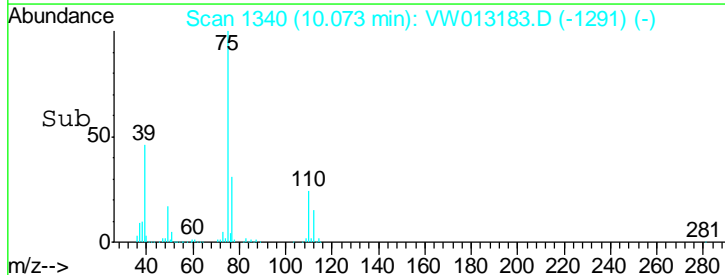
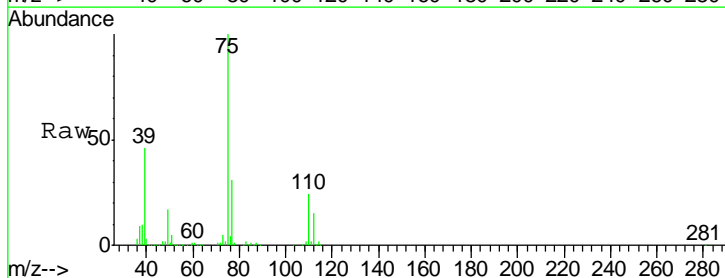
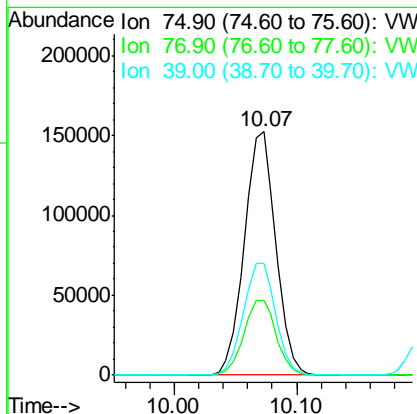
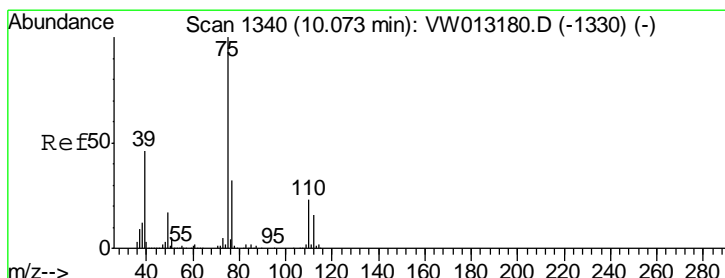
Manual Integrations
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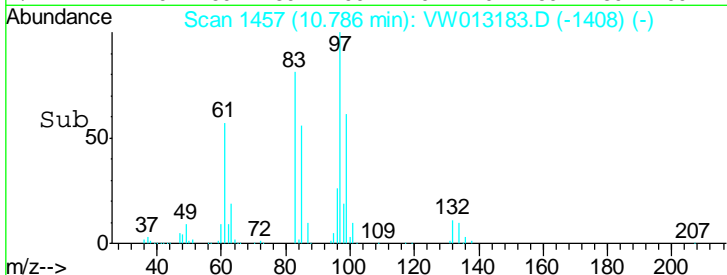
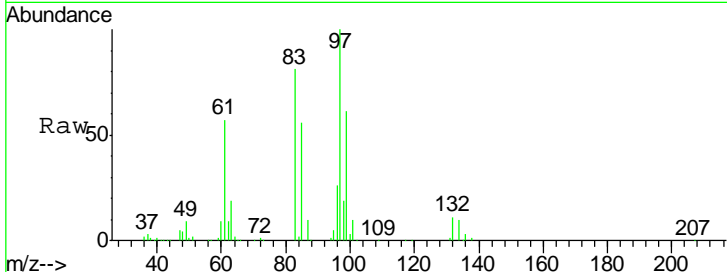
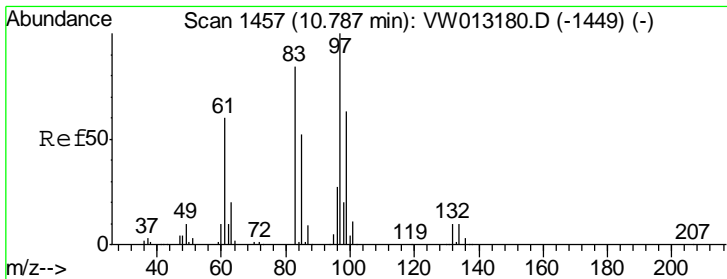
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#54
 cis-1,3-Dichloropropene
 Concen: 48.791 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
75	272044		
75	100		
77	30.6	25.2	37.8
39	45.9	36.6	55.0



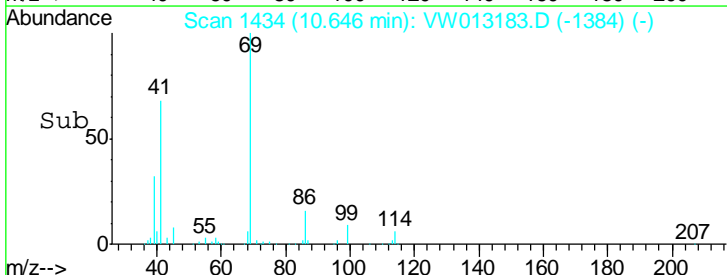
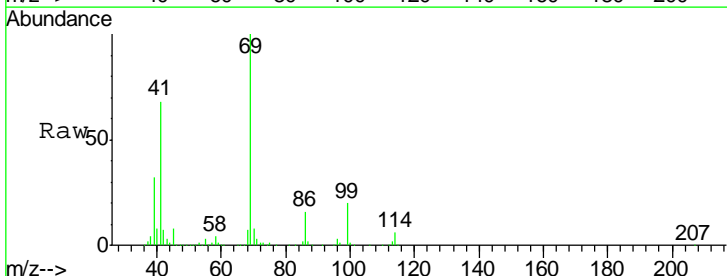
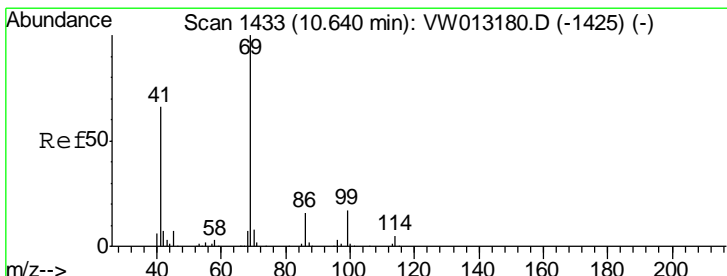
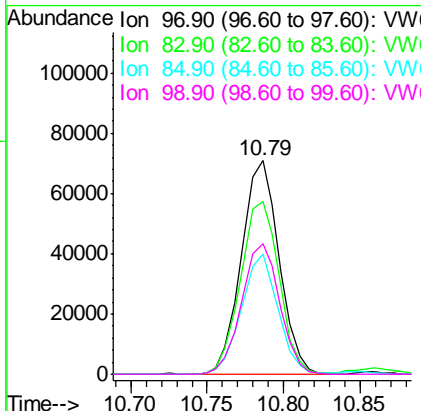


#55
 1,1,2-Trichloroethane
 Concen: 46.420 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
97	121707		
97	100		
83	81.1	67.6	101.4
85	56.3	41.9	62.9
99	61.1	50.1	75.1

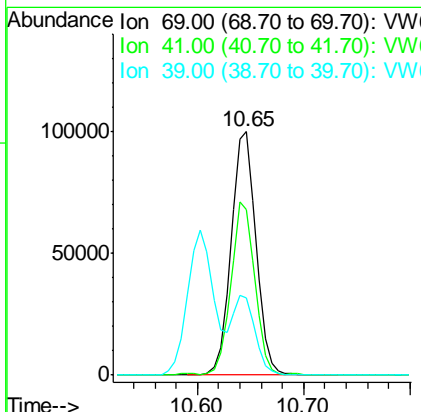
Instrument : MSVOA_W
 ClientSampled : ICVVW092019

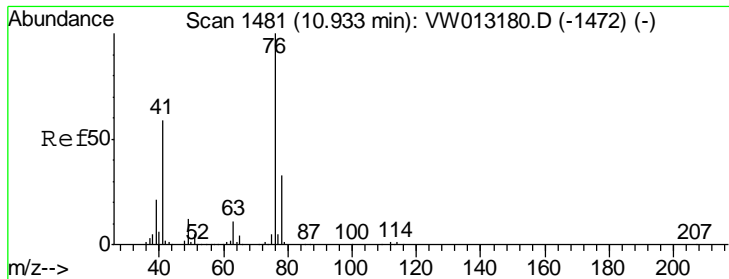
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#56
 Ethyl methacrylate
 Concen: 47.862 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
69	164229		
69	100		
41	67.8	53.9	80.9
39	28.5	23.8	35.6





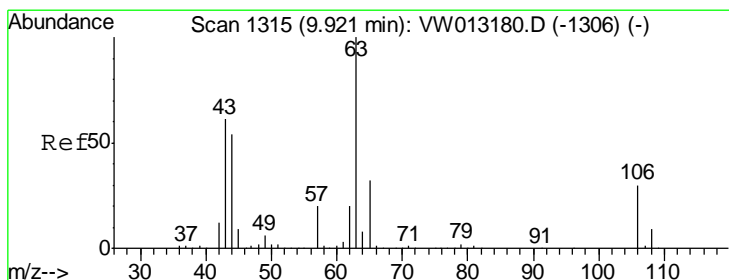
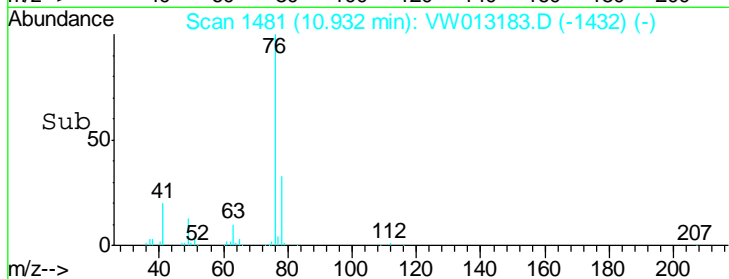
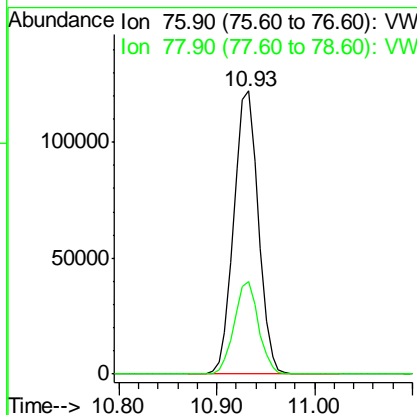
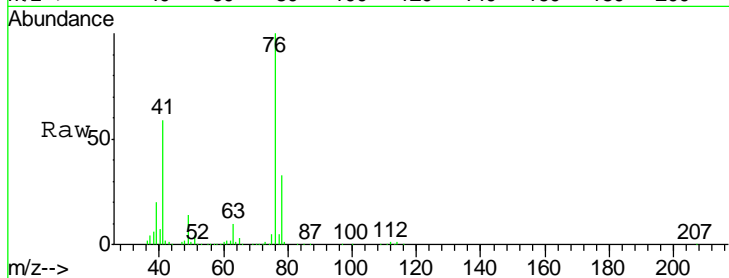
#57
 1,3-Dichloropropane
 Concen: 46.573 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
76	213084		
76	100		
78	32.4	25.5	38.3

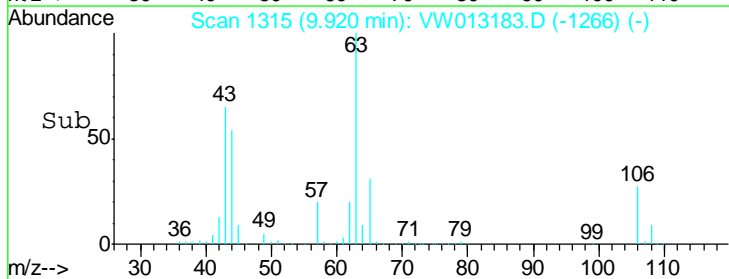
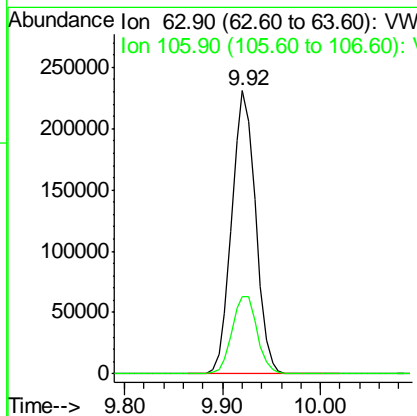
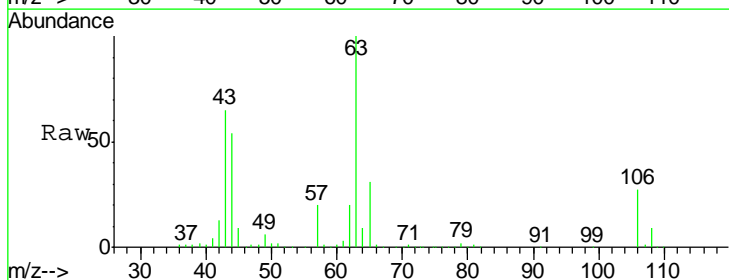
Manual Integrations
APPROVED

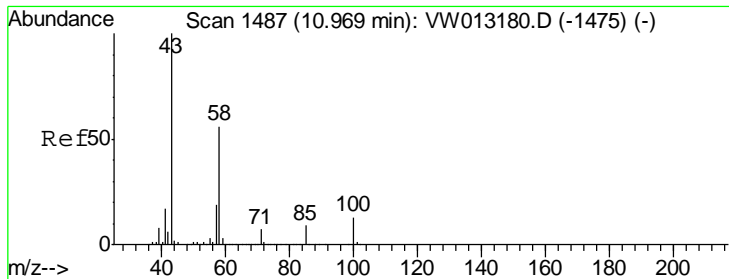
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.263 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
63	391193		
63	100		
106	28.8	23.4	35.0





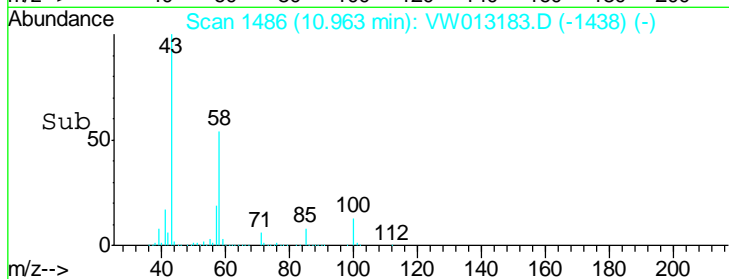
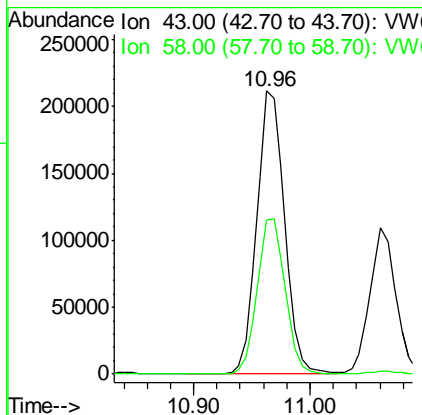
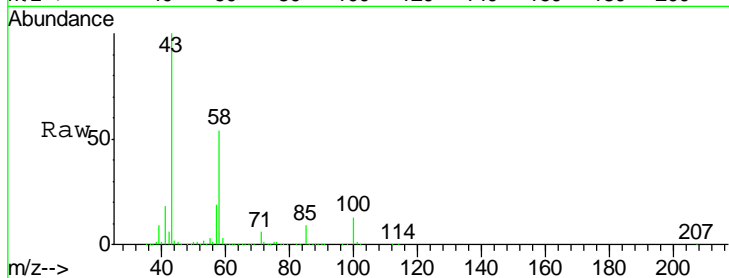
#59
 2-Hexanone
 Concen: 236.976 ug/l
 RT: 10.96 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.4	28.1	84.2

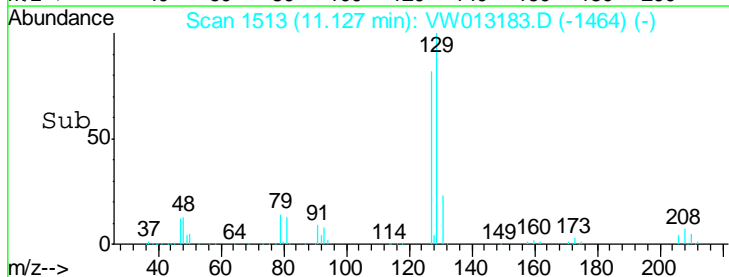
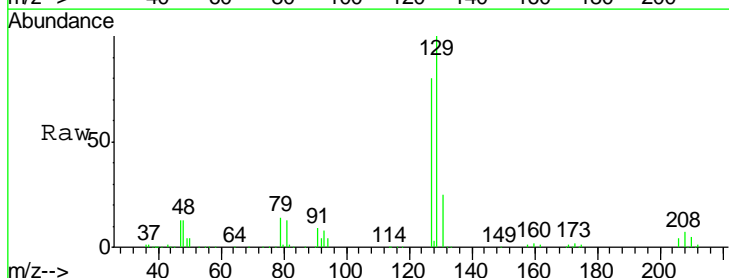
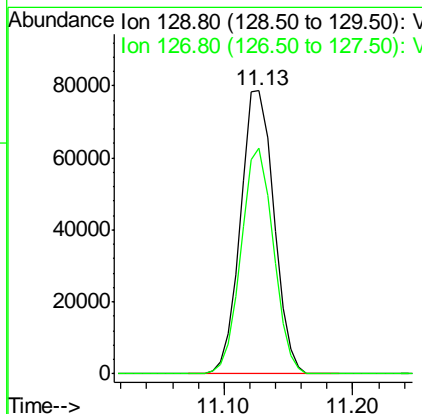
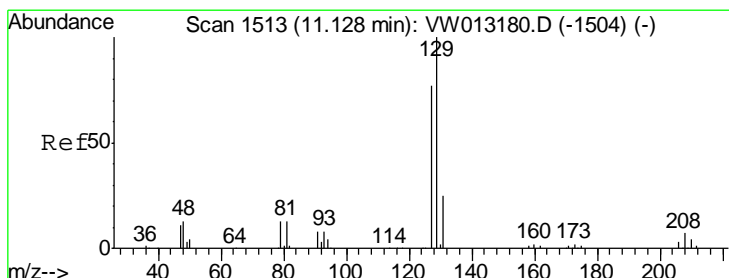
Manual Integrations
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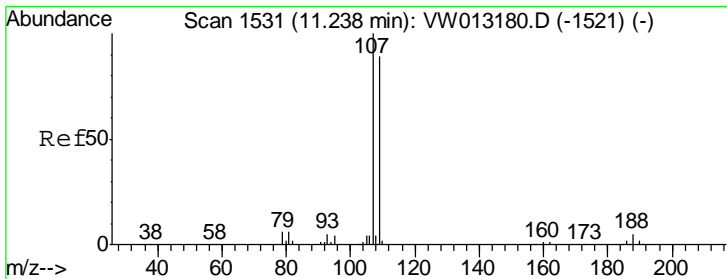
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#60
 Dibromochloromethane
 Concen: 47.530 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.0	38.8	116.4





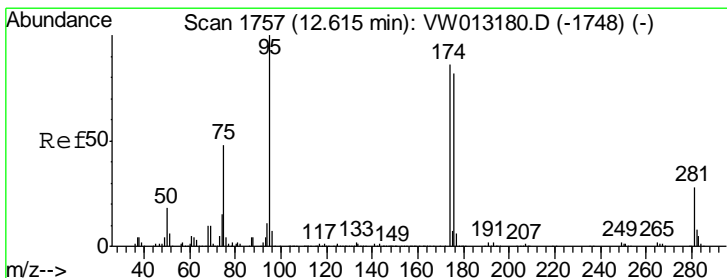
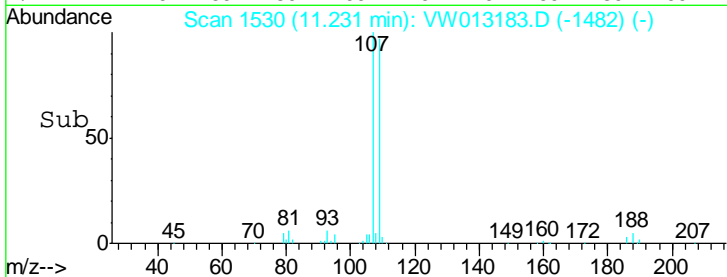
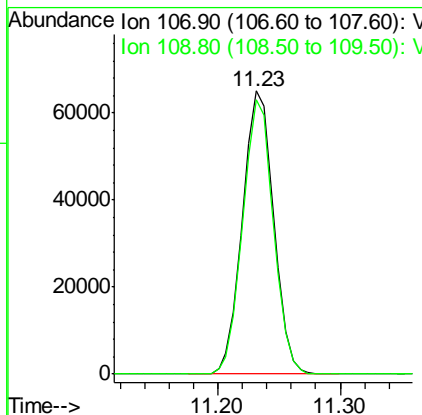
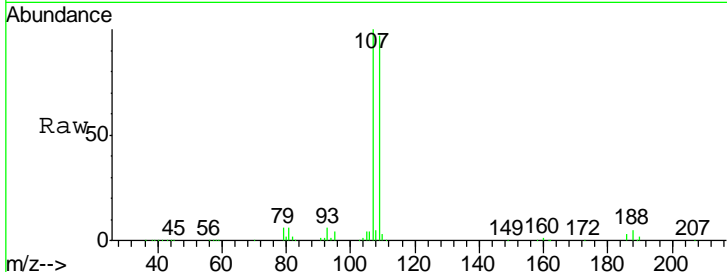
#61
 1,2-Dibromoethane
 Concen: 46.408 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
107	115690		
109	95.2	75.2	112.8

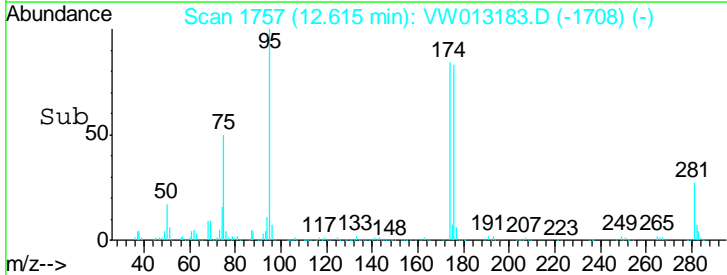
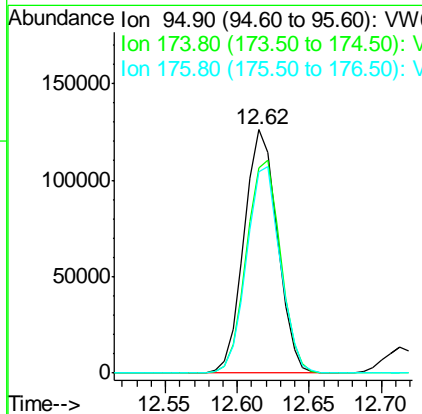
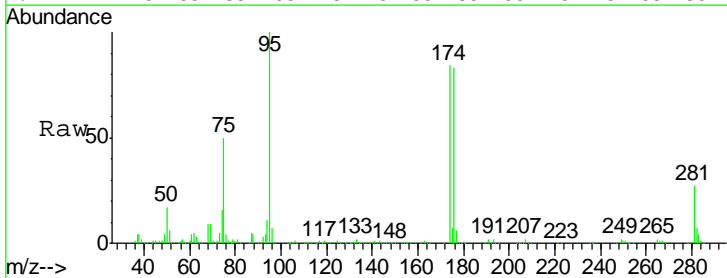
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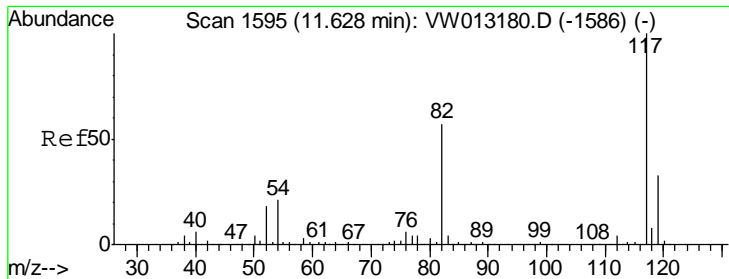
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#62
 4-Bromofluorobenzene
 Concen: 46.925 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
95	202111		
174	89.0	0.0	178.4
176	85.5	0.0	172.2





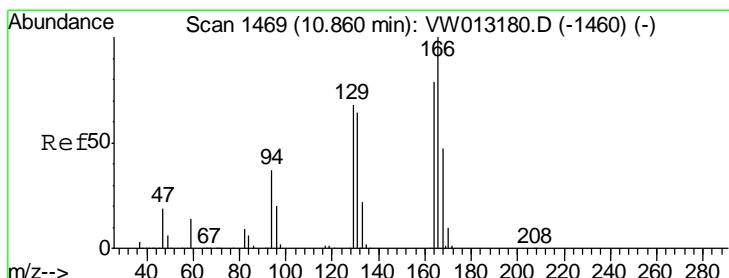
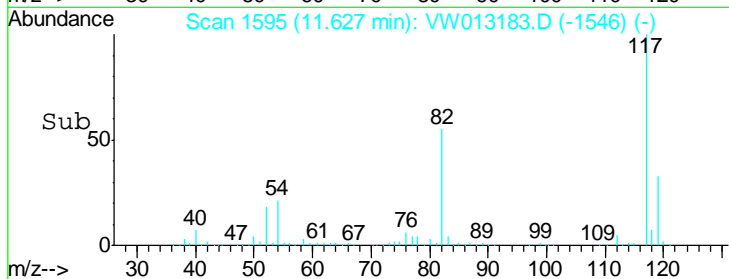
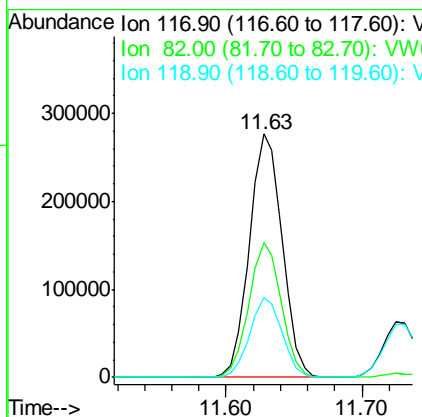
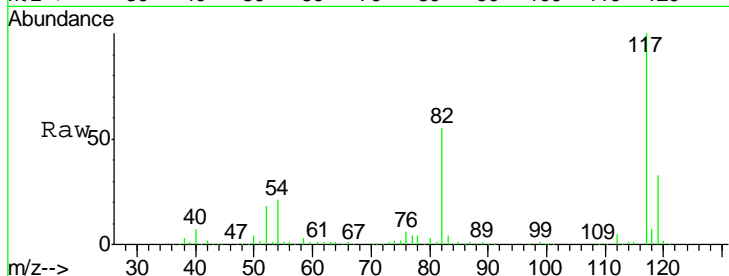
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
117	468312		
82	55.3	45.9	68.9
119	32.6	26.2	39.2

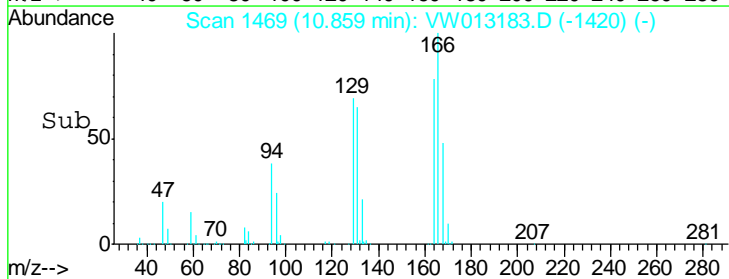
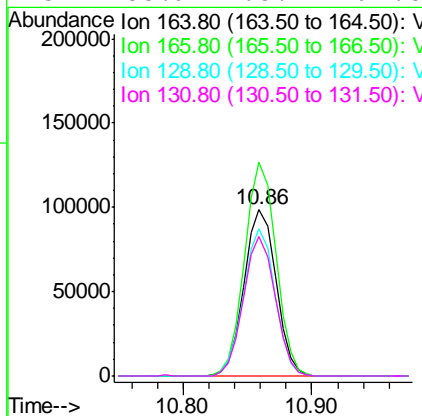
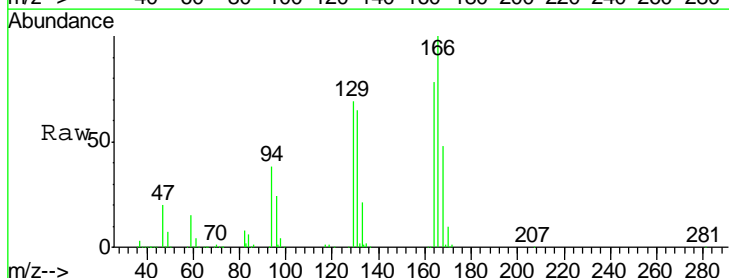
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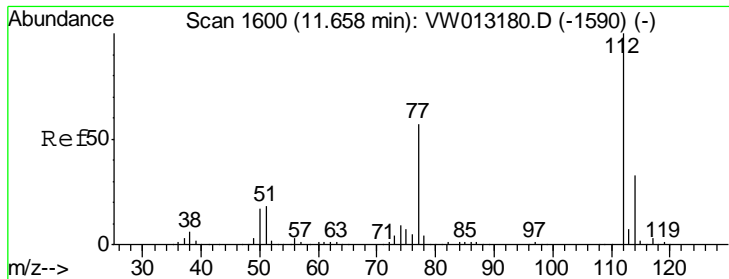
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#64
 Tetrachloroethene
 Concen: 47.778 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
164	169768		
166	128.7	101.2	151.8
129	88.9	68.8	103.2
131	83.9	65.2	97.8





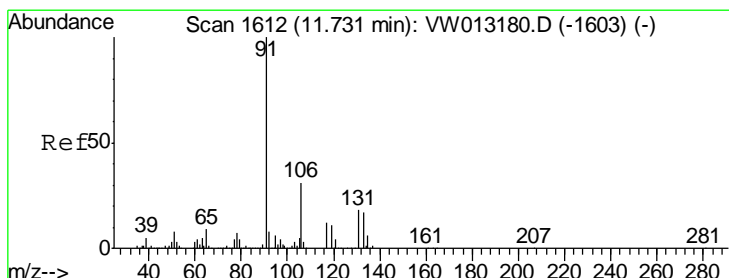
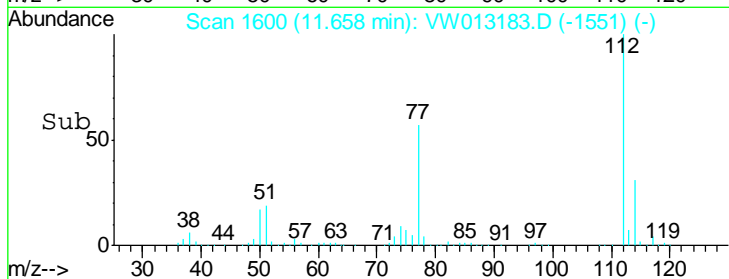
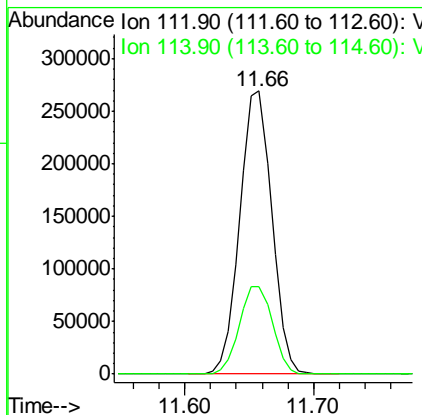
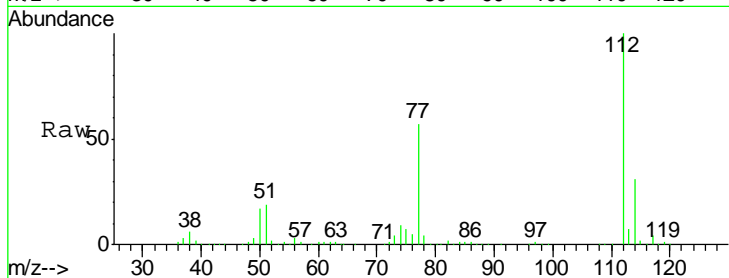
#65
 Chlorobenzene
 Concen: 47.382 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
112	100		
114	30.9	26.5	39.7

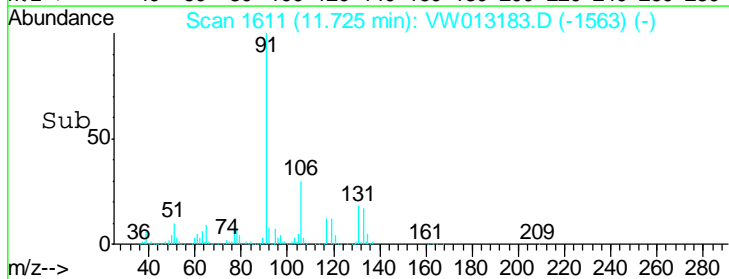
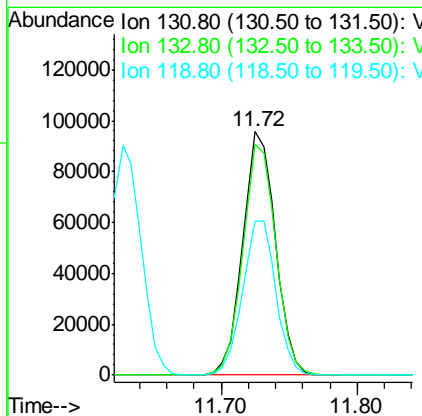
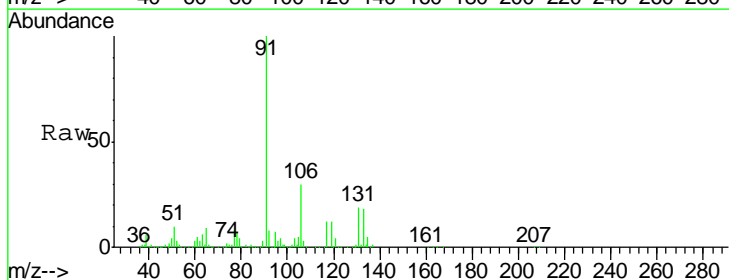
Manual Integrations
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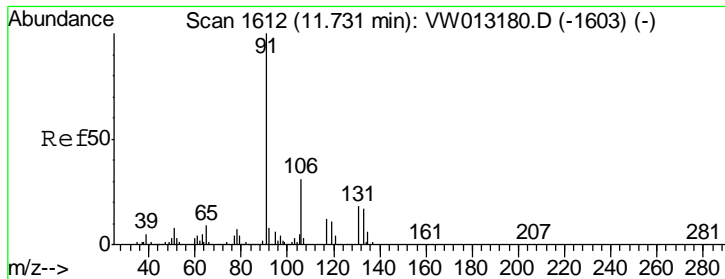
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.136 ug/l
 RT: 11.72 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

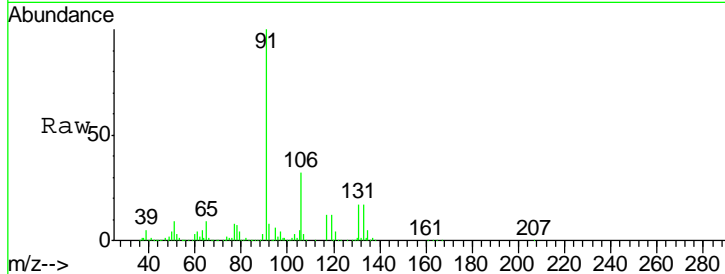
Tgt Ion	Resp	Lower	Upper
131	100		
133	95.7	47.5	142.6
119	64.5	32.5	97.5





#67
 Ethyl Benzene
 Concen: 48.381 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

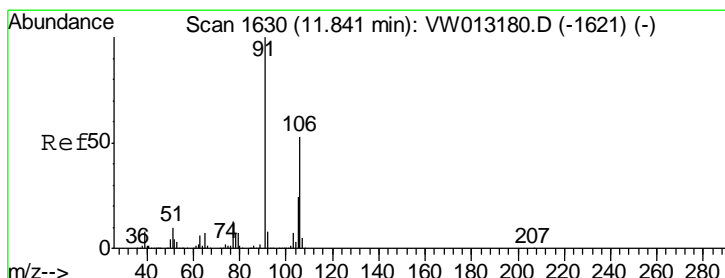
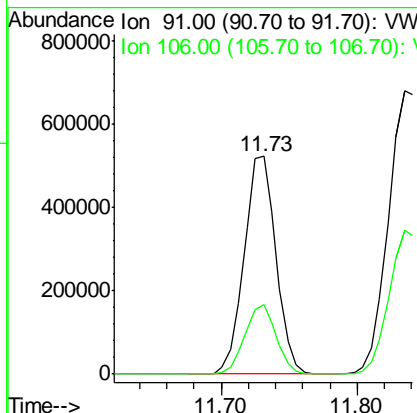
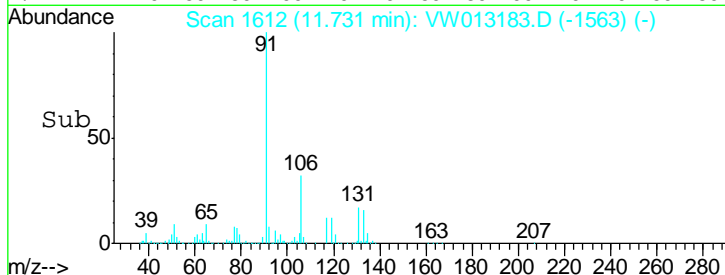
Instrument : MSVOA_W
 Client Sampled : ICVVW092019



Tgt Ion: 91 Resp: 857266
 Ion Ratio Lower Upper
 91 100
 106 32.0 24.9 37.3

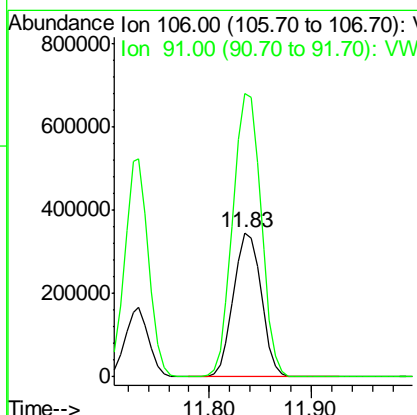
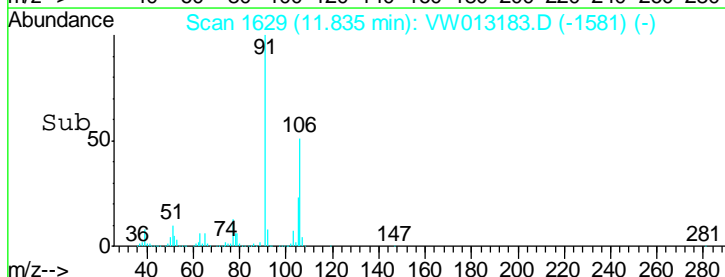
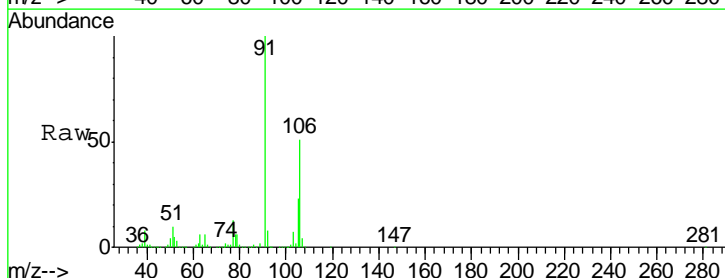
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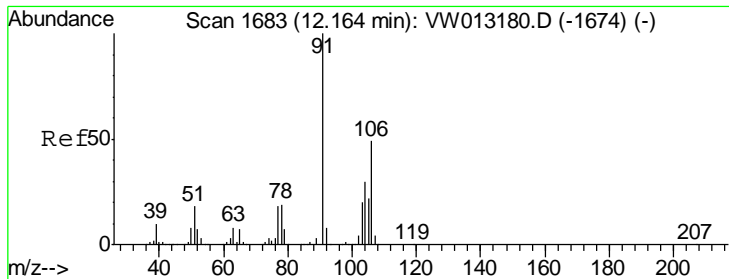
MMDadoda
 9/24/2019 5:28:51 AM



#68
 m/p-Xylenes
 Concen: 96.706 ug/l
 RT: 11.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion: 106 Resp: 652964
 Ion Ratio Lower Upper
 106 100
 91 199.4 157.9 236.9





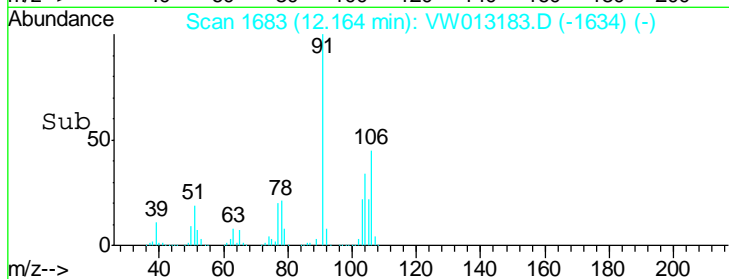
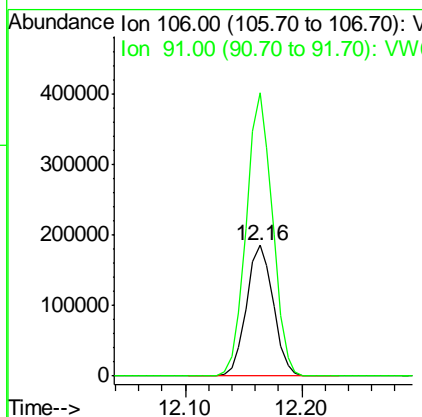
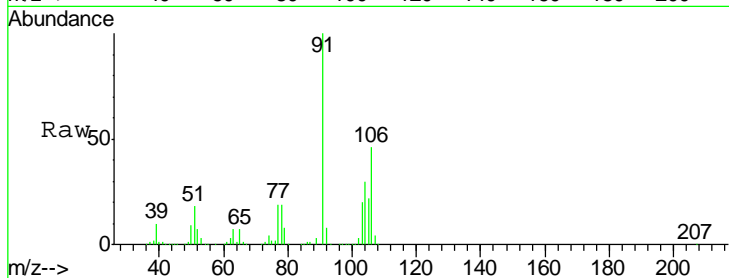
#69
 o-Xylene
 Concen: 47.673 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
106	299268		
106	100		
91	211.4	106.5	319.5

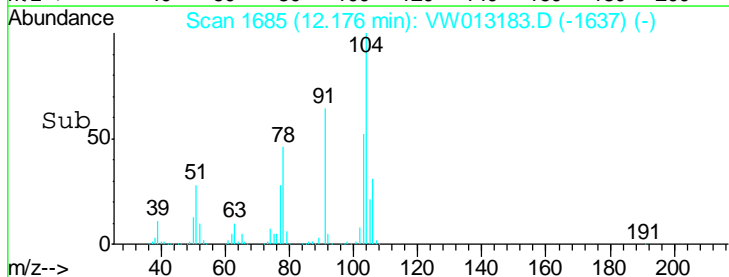
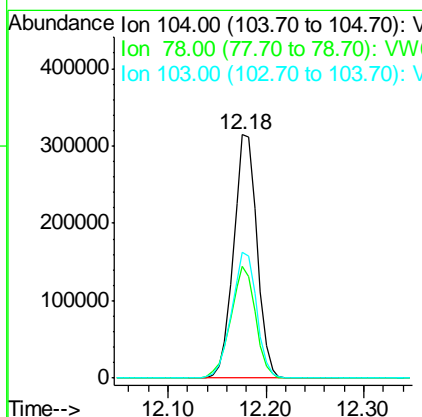
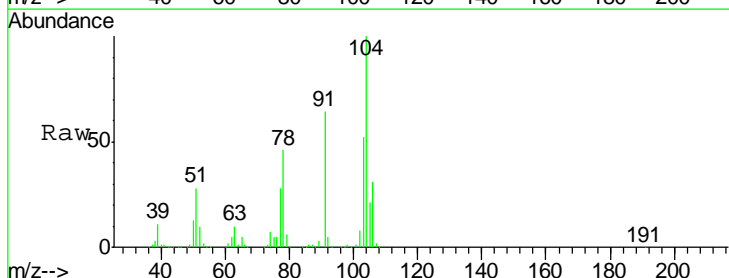
Manual Integrations
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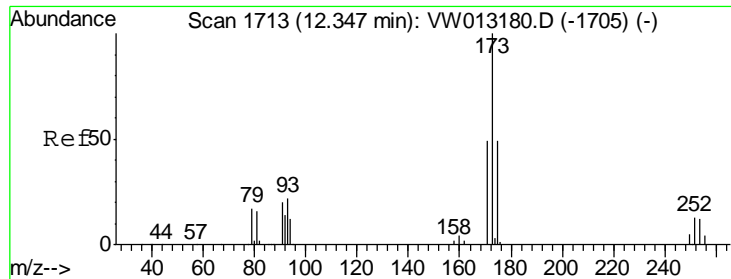
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#70
 Styrene
 Concen: 48.482 ug/l
 RT: 12.18 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

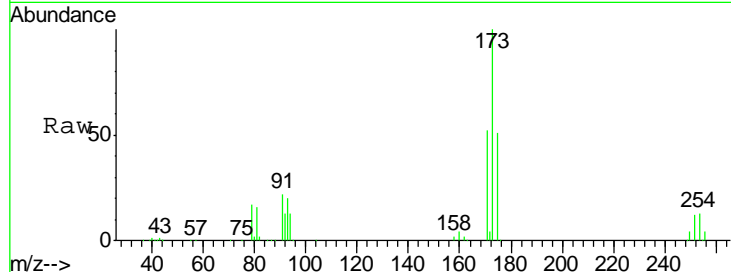
Tgt Ion	Resp	Lower	Upper
104	522507		
104	100		
78	48.4	38.4	57.6
103	54.9	43.3	64.9





#71
 Bromoform
 Concen: 47.742 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

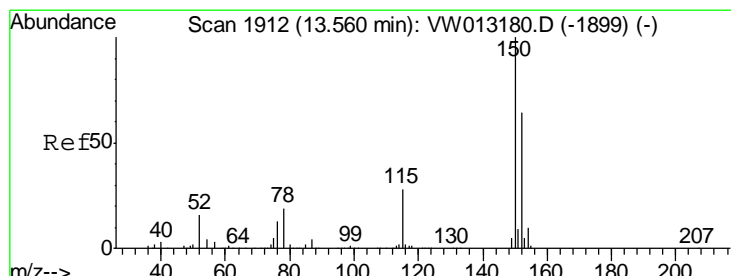
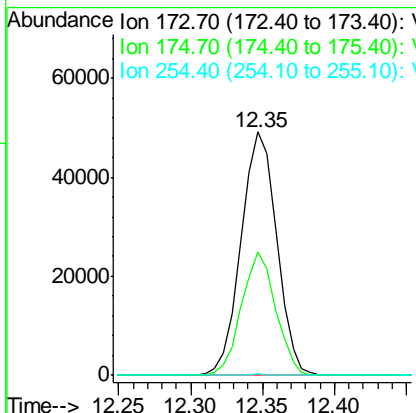
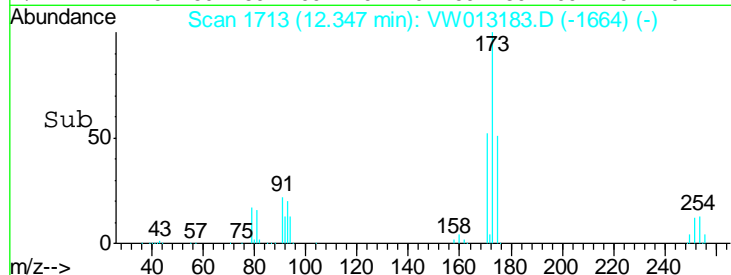
Instrument : MSVOA_W
 Client Sampled : ICVVW092019



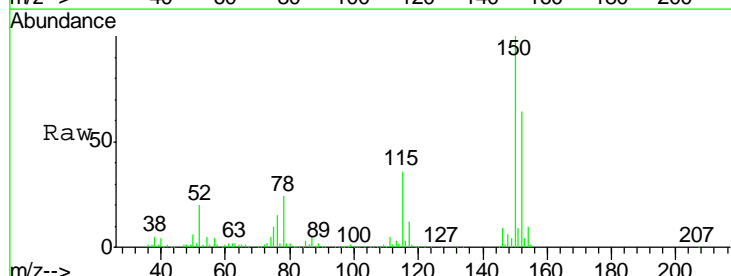
Tgt Ion	Resp	Lower	Upper
173	100		
175	48.6	24.3	73.0
254	0.1	0.1	0.1

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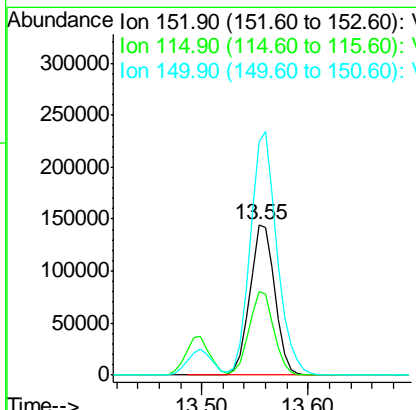
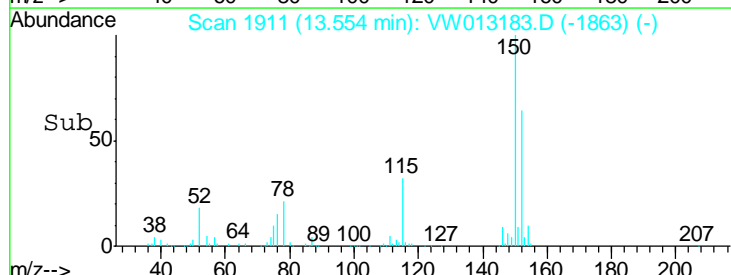
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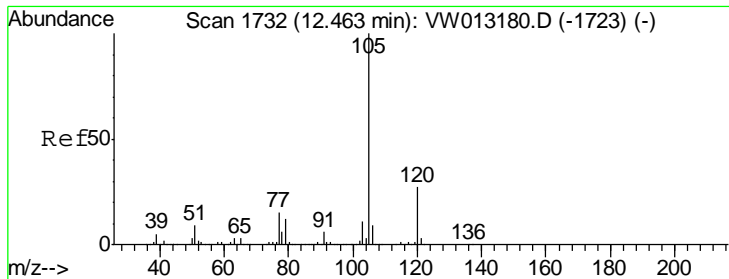


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



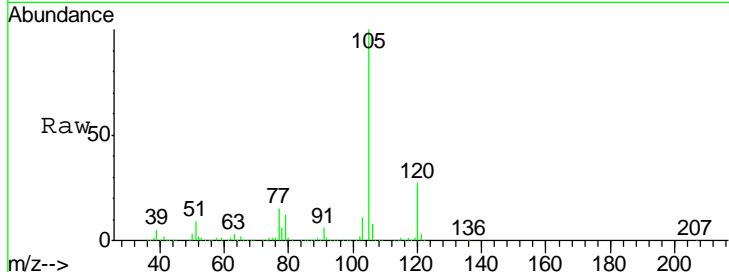
Tgt Ion	Resp	Lower	Upper
152	100		
115	55.1	27.3	81.9
150	173.4	0.0	349.0





#73
 Isopropylbenzene
 Concen: 48.410 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

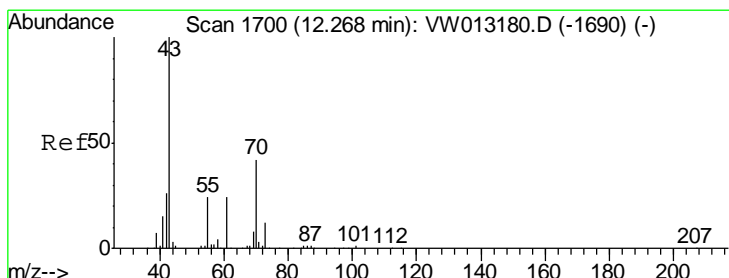
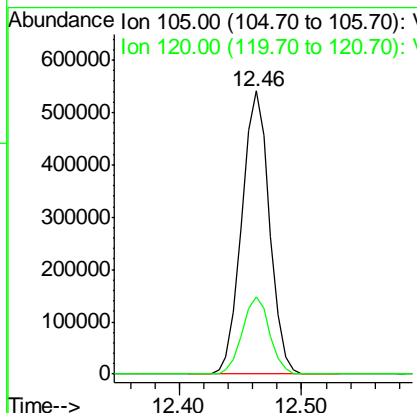
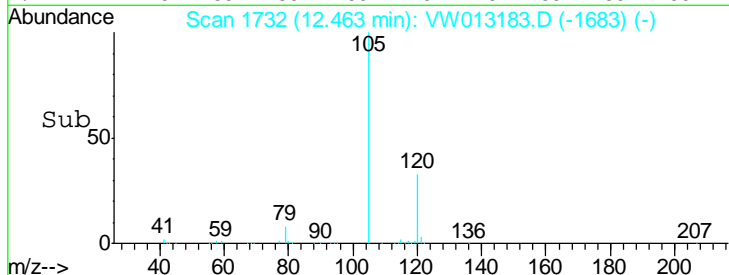


Tgt Ion: 105 Resp: 849123

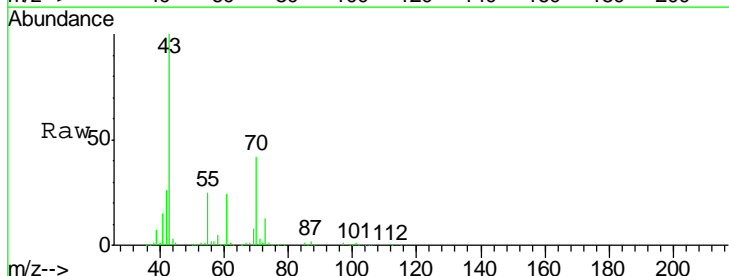
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.1

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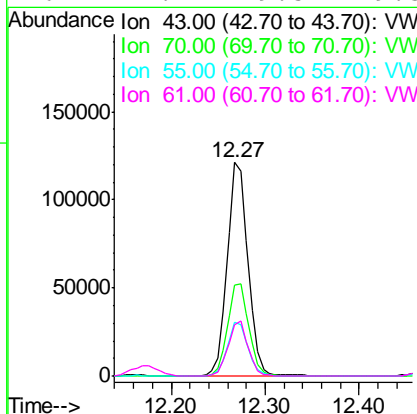
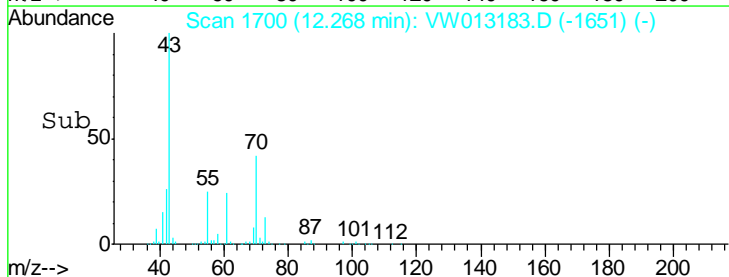


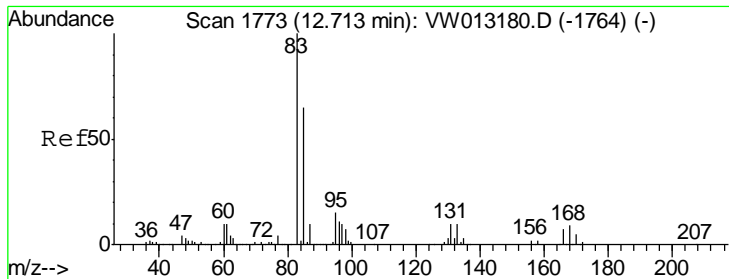
#74
 N-amyl acetate
 Concen: 47.605 ug/l
 RT: 12.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion: 43 Resp: 185285

Ion	Ratio	Lower	Upper
43	100		
70	43.9	35.1	52.7
55	25.0	19.9	29.9
61	24.7	19.5	29.3





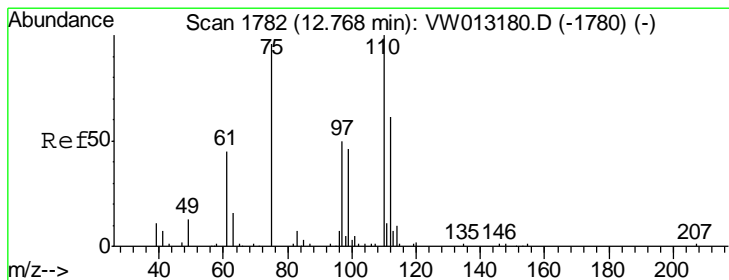
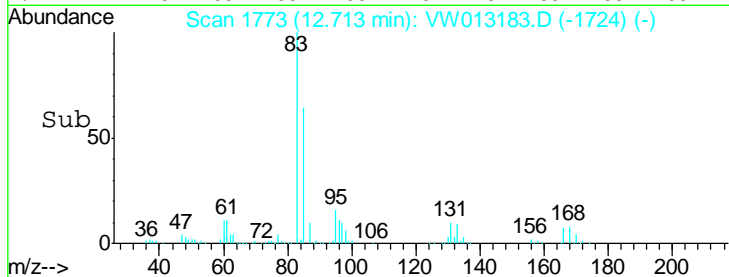
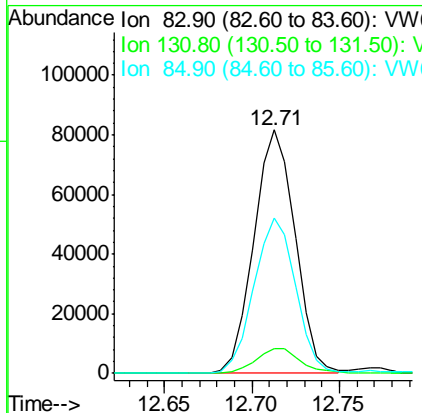
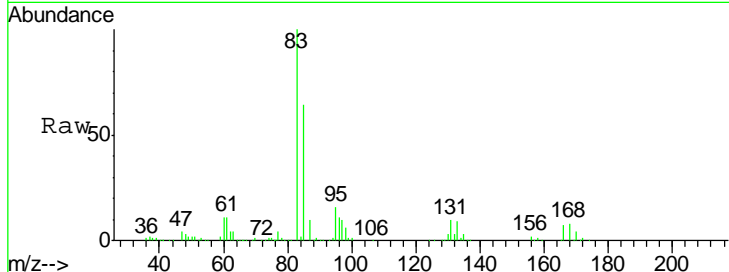
#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.568 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	64.7	31.9	95.9

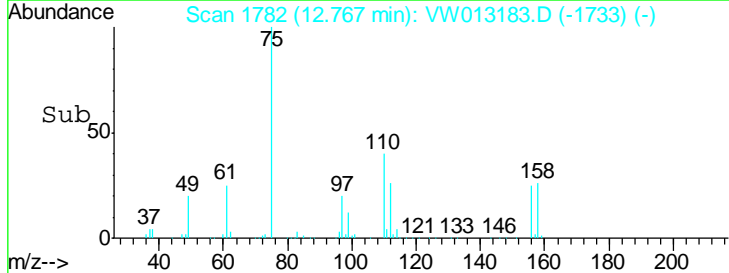
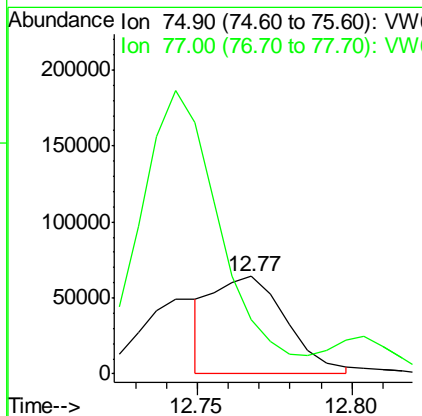
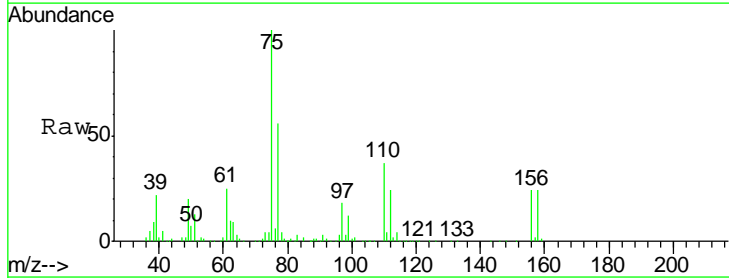
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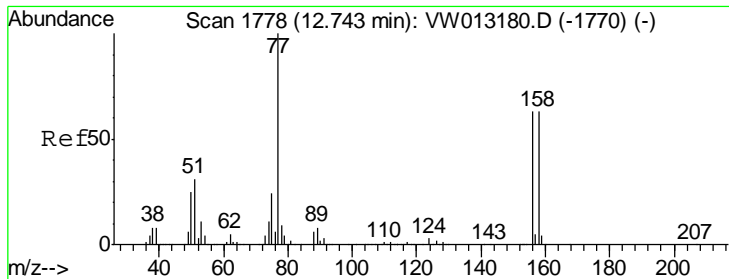
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#76
 1,2,3-Trichloropropane
 Concen: 50.585 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

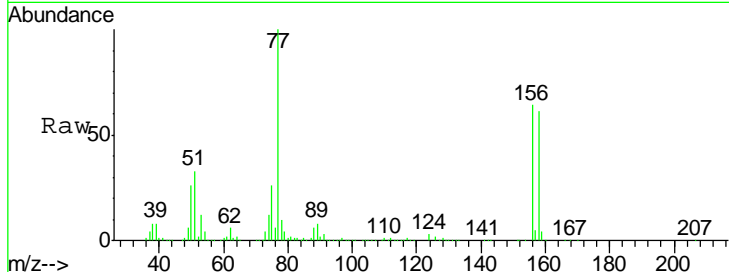
Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





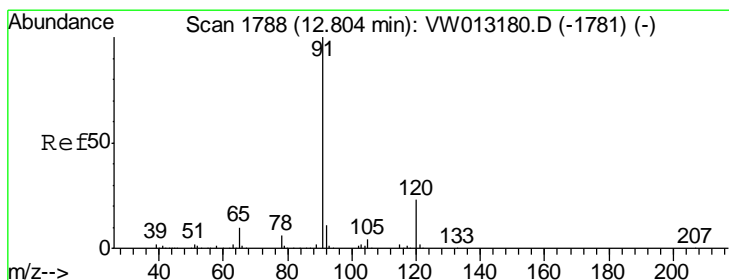
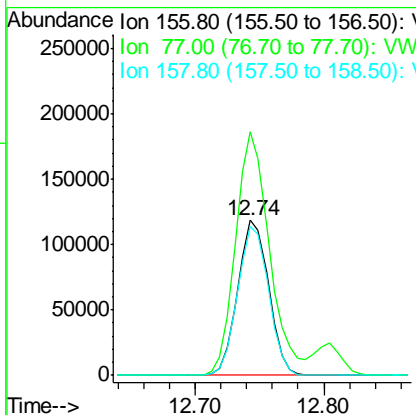
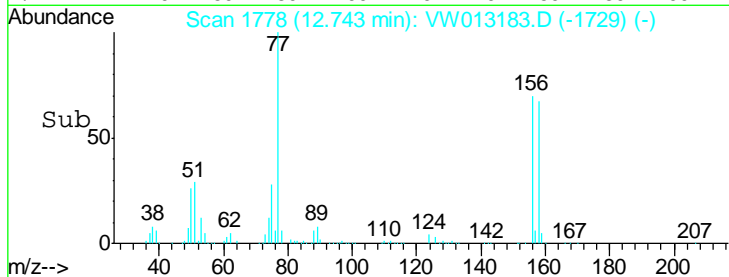
#77
 Bromobenzene
 Concen: 47.325 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

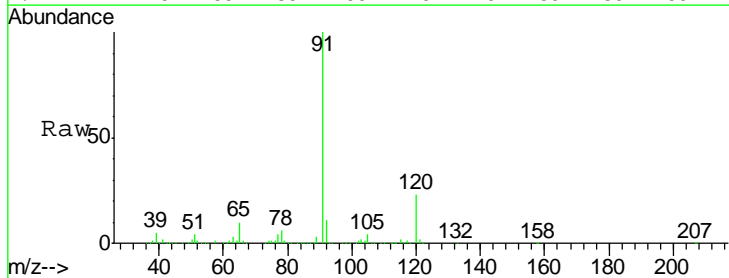


Tgt Ion	Resp	Lower	Upper
156	196705		
77	172.3	85.7	257.1
158	96.3	48.1	144.4

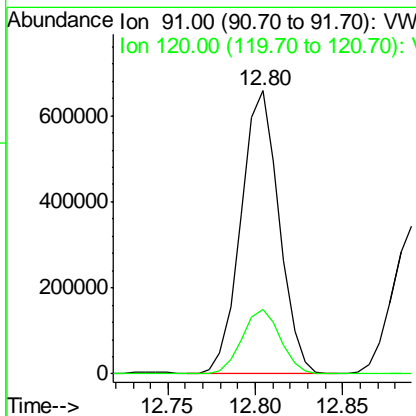
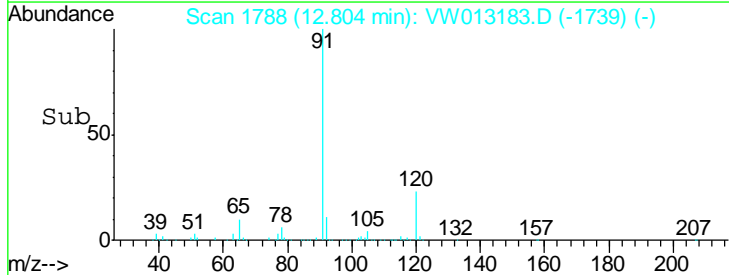
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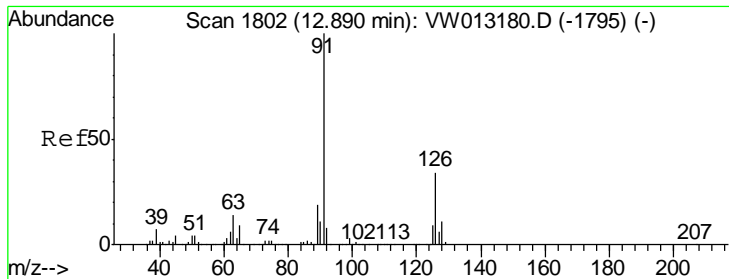


#78
 n-propylbenzene
 Concen: 48.570 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion	Resp	Lower	Upper
91	997196		
120	23.0	11.7	35.1





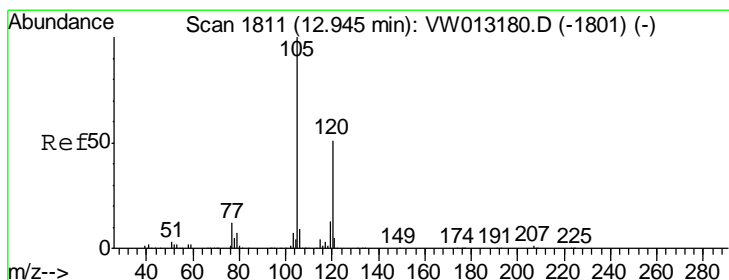
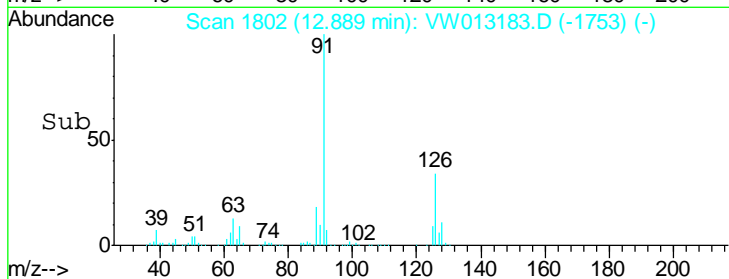
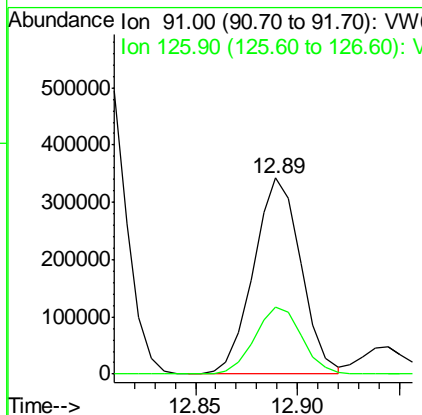
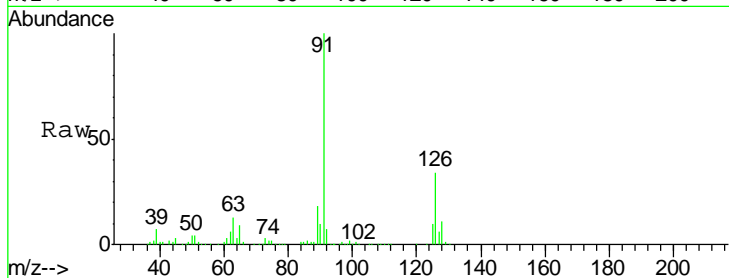
#79
 2-Chlorotoluene
 Concen: 48.103 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.2	17.2	51.5

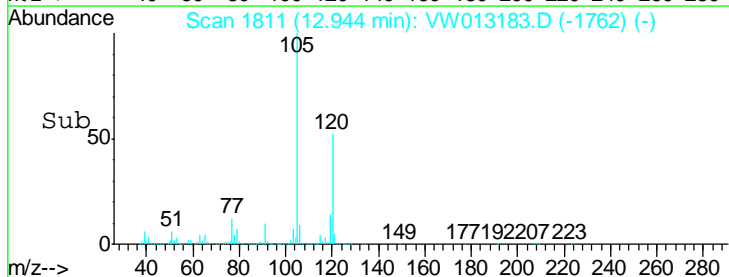
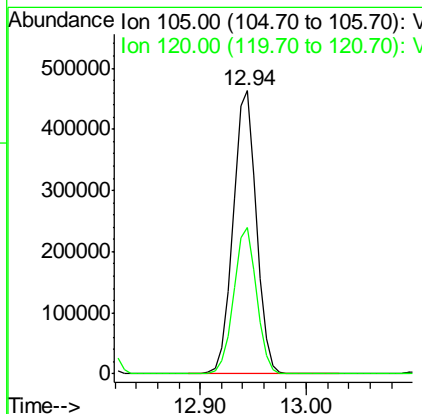
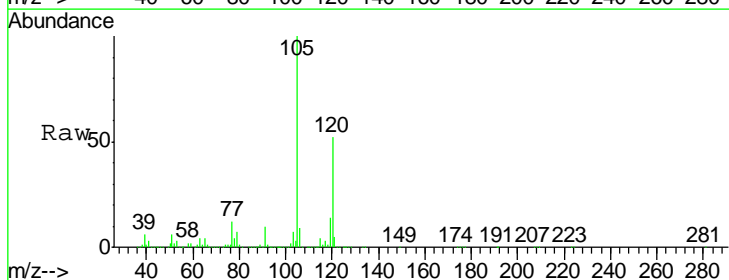
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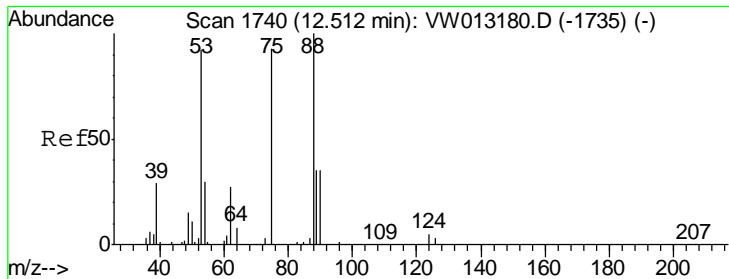
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.054 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.9	24.9	74.8





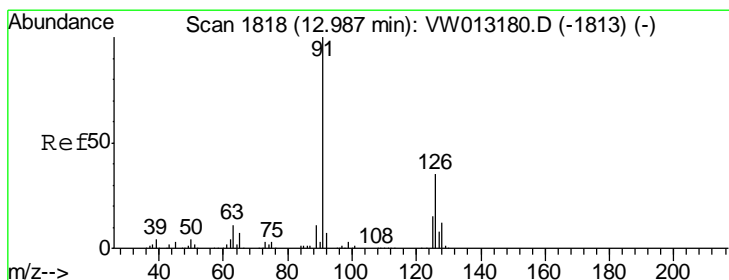
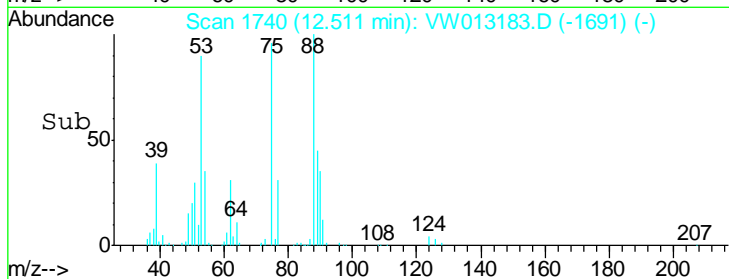
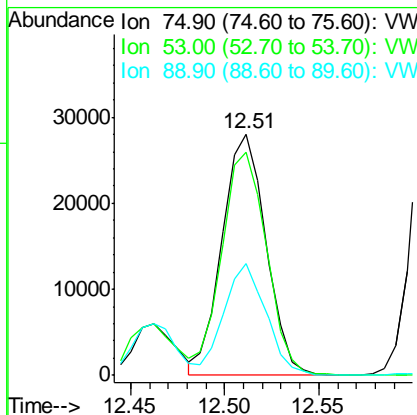
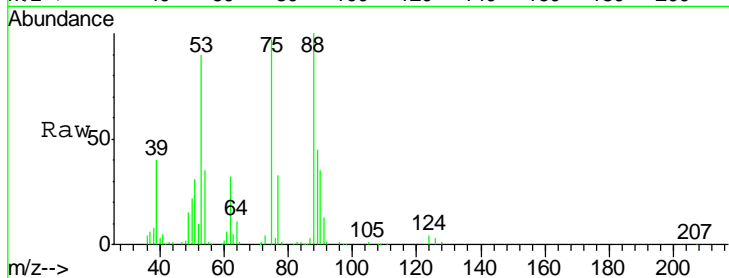
#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.200 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
75	45043		
75	100		
53	95.4	76.6	114.8
89	44.4	33.5	50.3

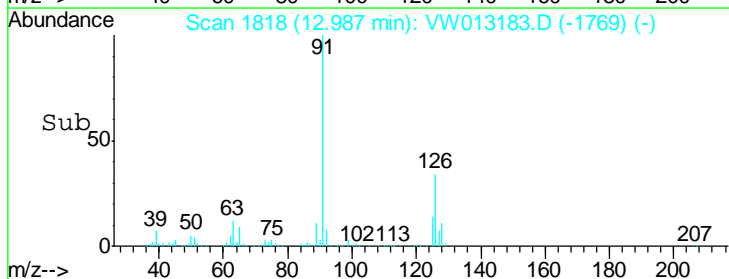
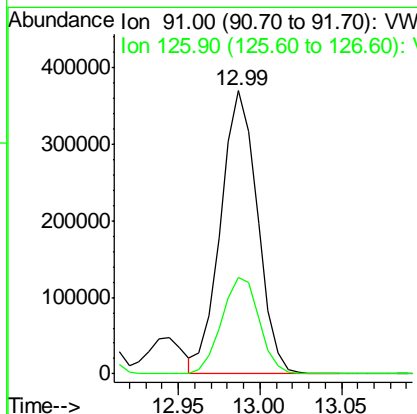
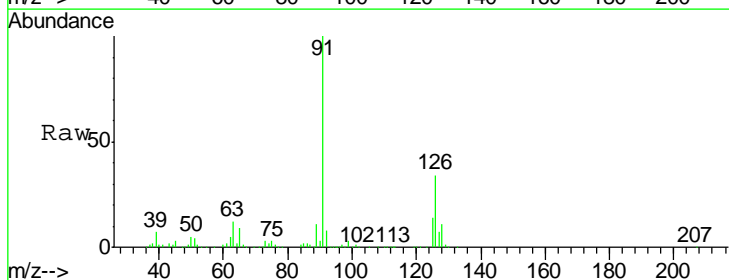
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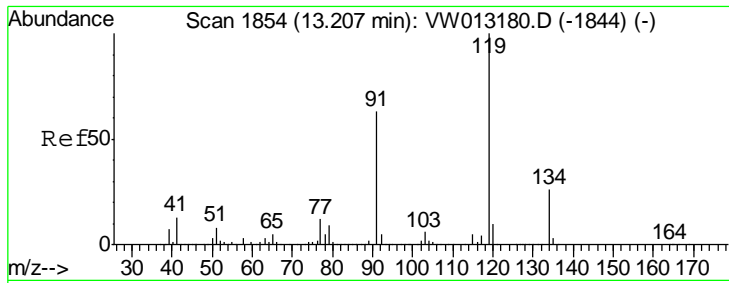
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#82
 4-Chlorotoluene
 Concen: 47.770 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
91	579435		
91	100		
126	35.0	17.3	51.7





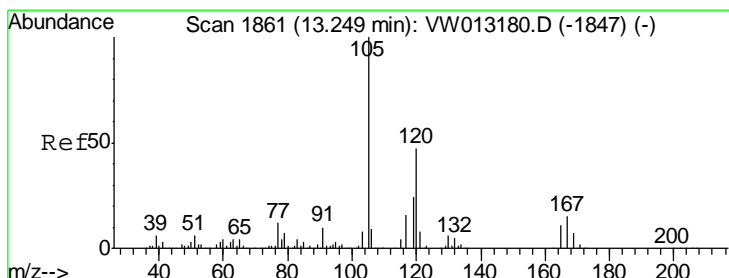
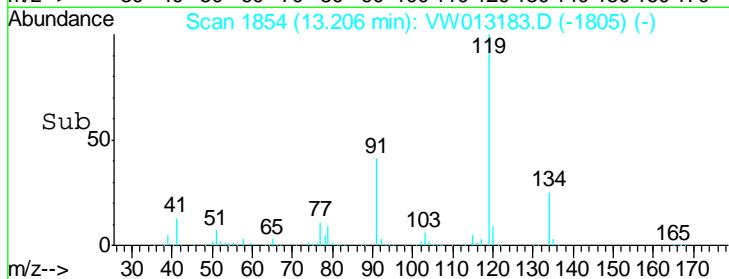
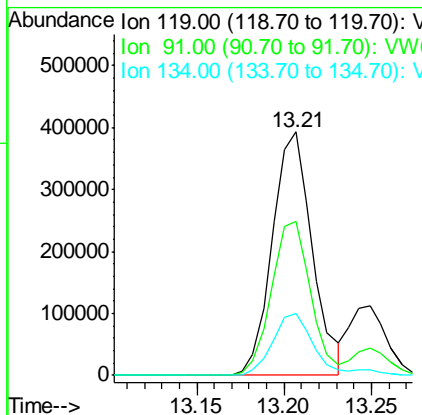
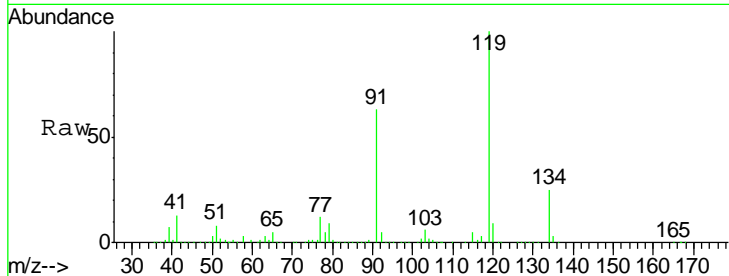
#83
 tert-Butylbenzene
 Concen: 48.357 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
119	625794		
91	62.2	30.7	92.1
134	25.3	12.6	37.6

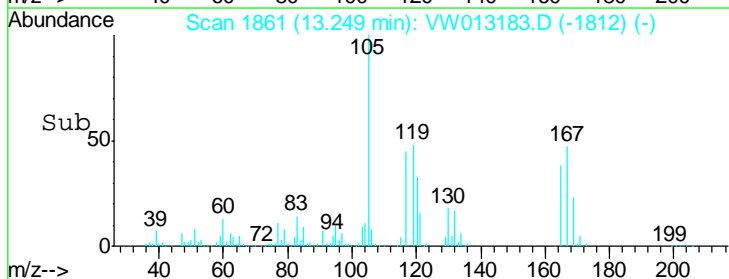
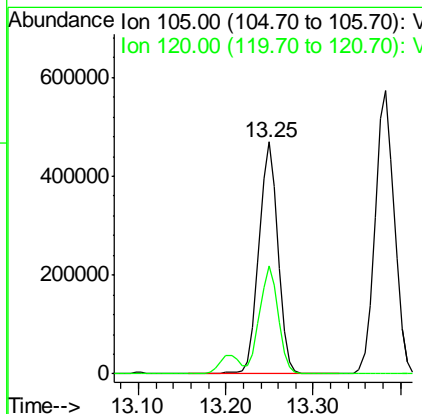
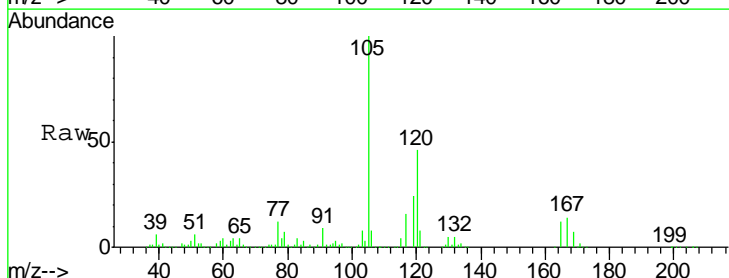
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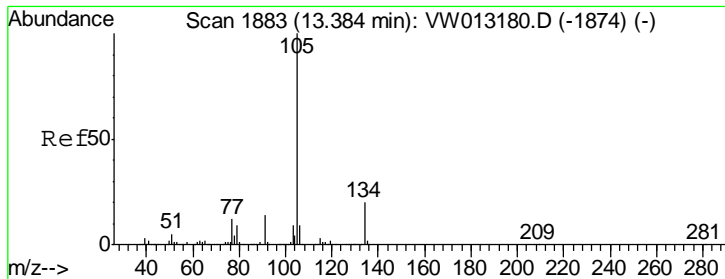
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.502 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

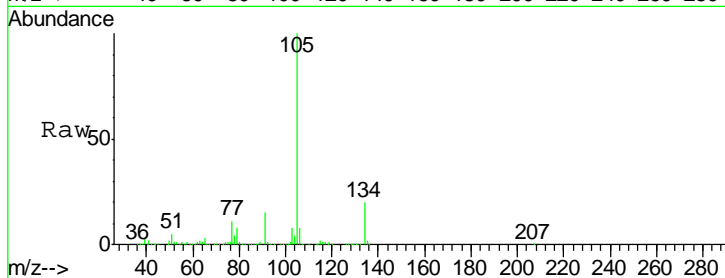
Tgt Ion	Resp	Lower	Upper
105	711612		
120	45.5	23.4	70.3





#85
 sec-Butylbenzene
 Concen: 48.986 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

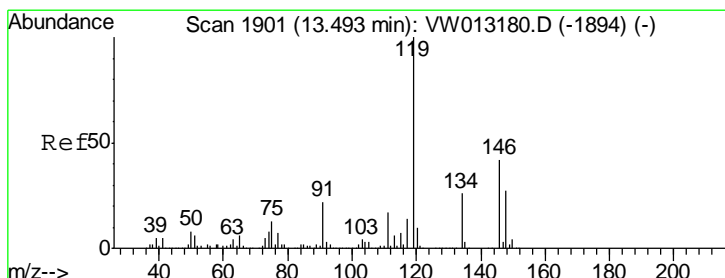
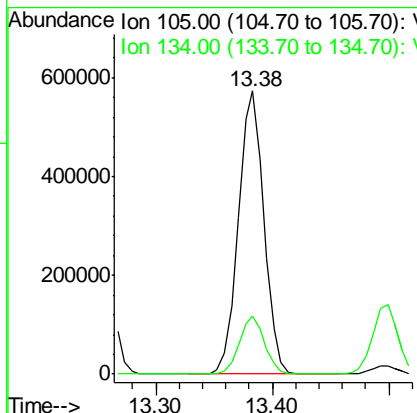
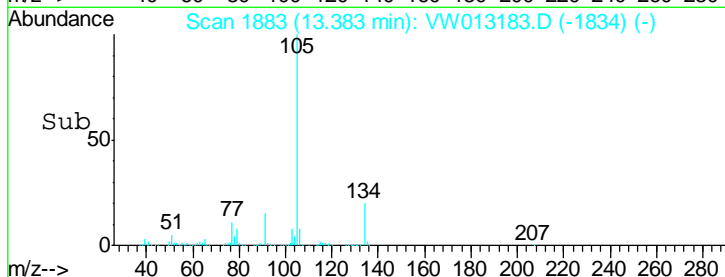
Instrument : MSVOA_W
 Client Sampled : ICVVW092019



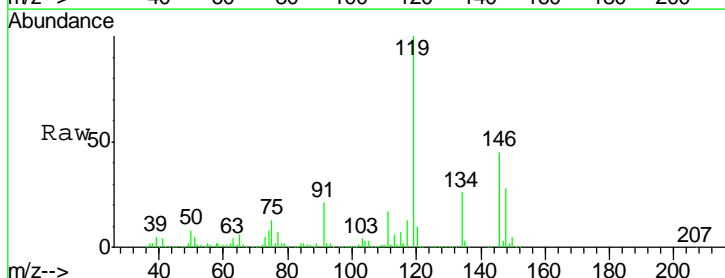
Tgt Ion	Resp	Lower	Upper
105	100		
134	20.3	10.3	30.8

Manual Integrations
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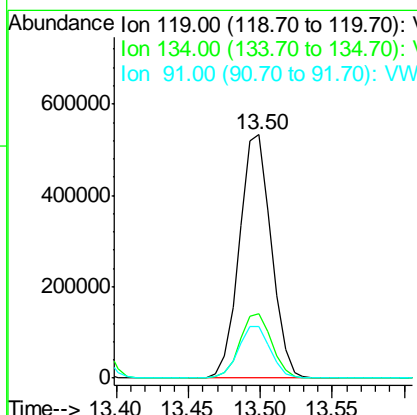
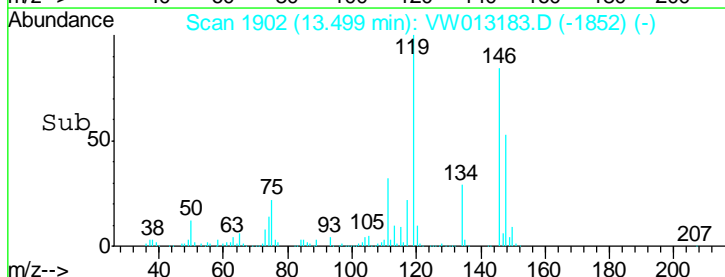
MMDadoda
 9/24/2019 5:28:51 AM

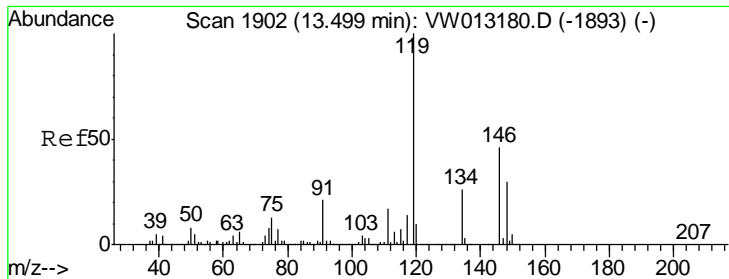


#86
 p-Isopropyltoluene
 Concen: 49.187 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion	Resp	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	21.5	10.8	32.4





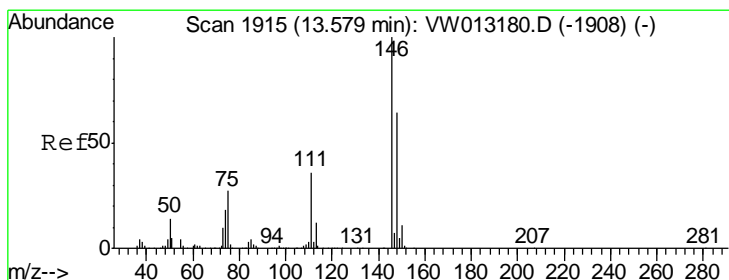
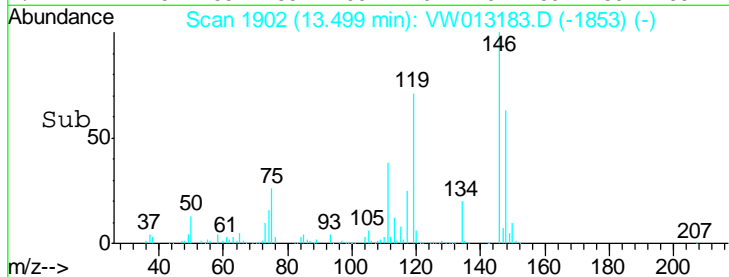
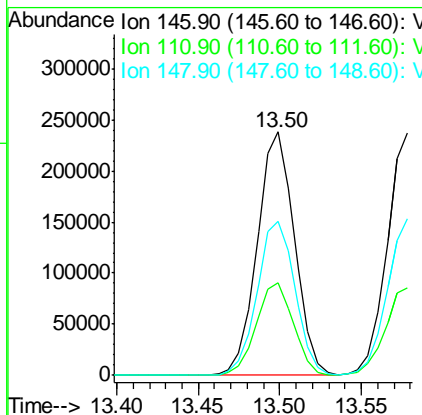
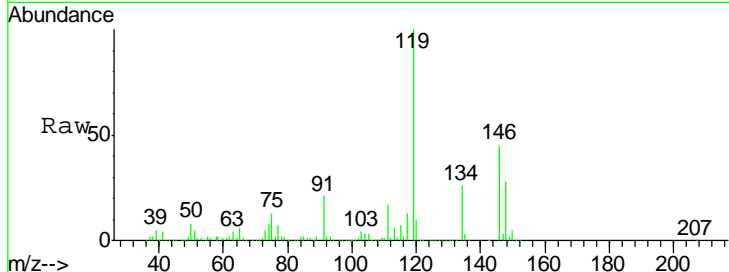
#87
 1,3-Dichlorobenzene
 Concen: 47.208 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	64.5	31.9	95.5

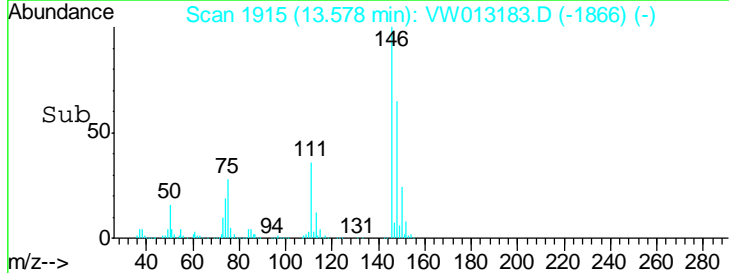
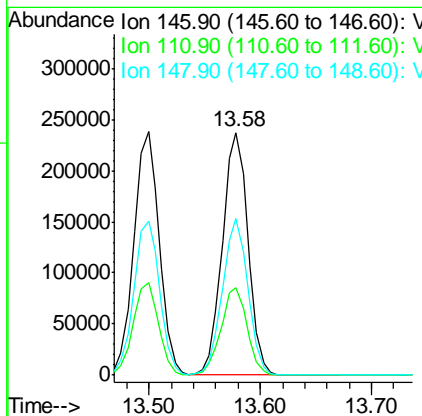
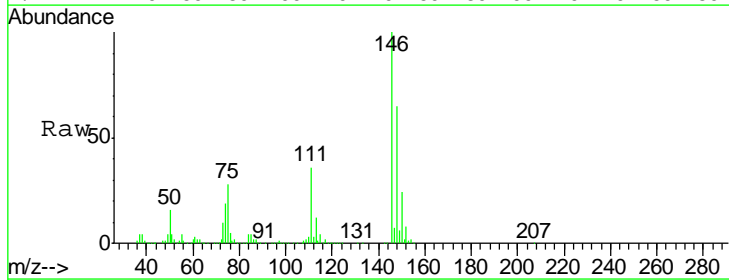
Manual Integrations
 APPROVED

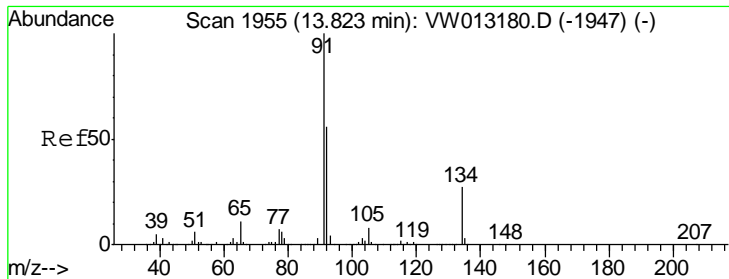
MMDadoda
 9/24/2019 5:28:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.073 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
146	100		
111	36.9	18.4	55.0
148	64.0	32.1	96.3





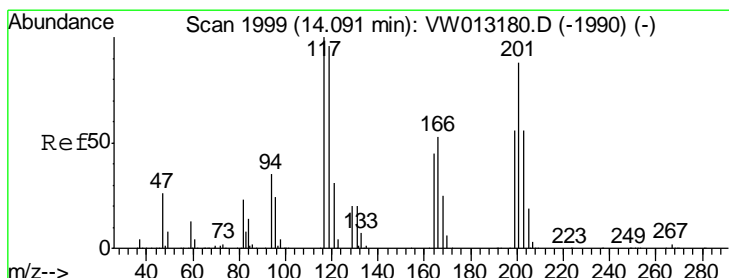
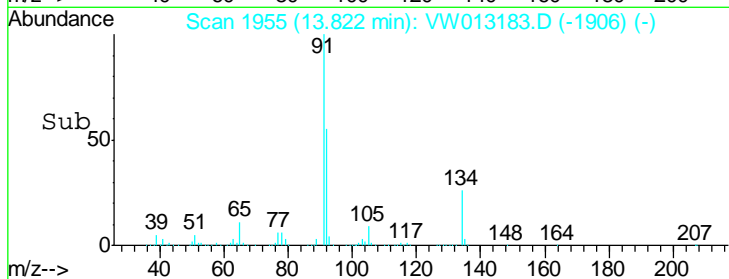
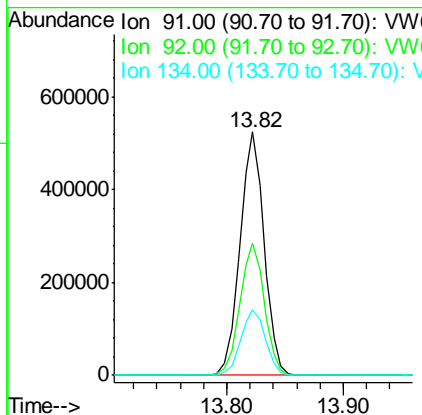
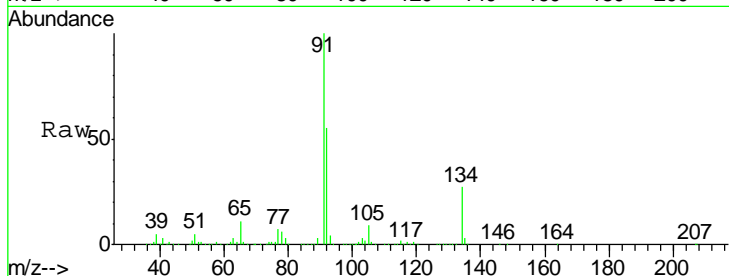
#89
 n-Butylbenzene
 Concen: 49.939 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.2	27.6	82.8
134	27.5	13.7	41.1

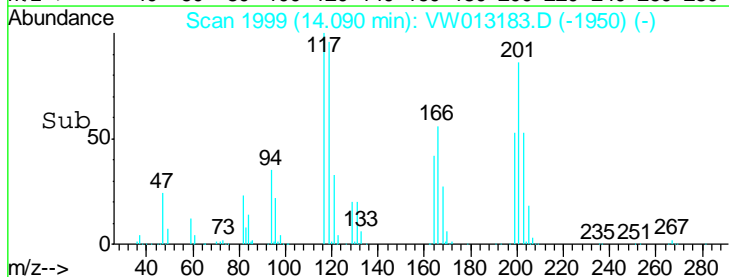
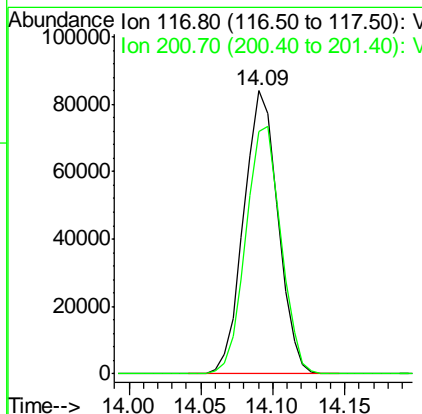
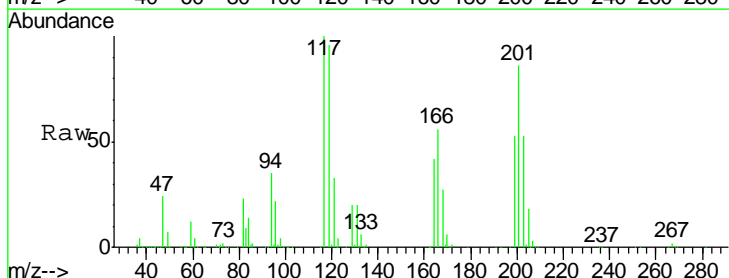
Manual Integrations
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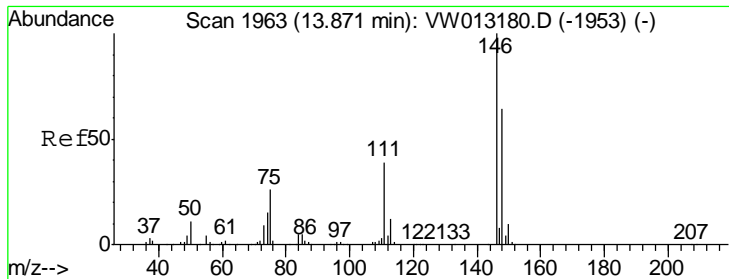
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 9/24/2019 5:28:51 AM



#90
 Hexachloroethane
 Concen: 49.651 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
117	100		
201	89.4	44.5	133.5





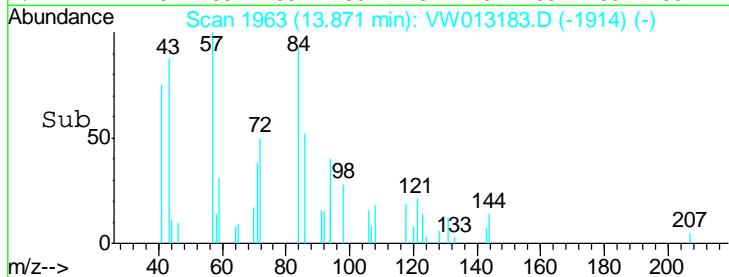
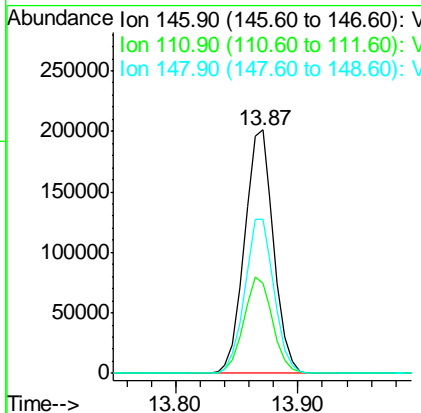
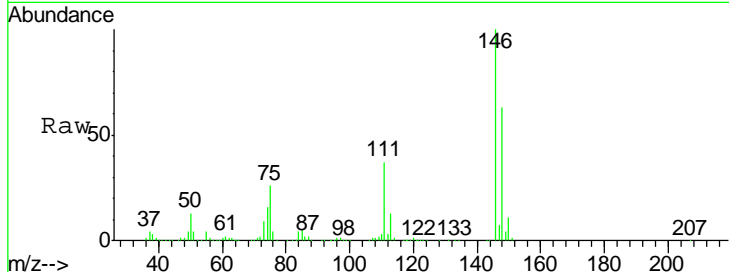
#91
 1,2-Dichlorobenzene
 Concen: 47.826 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.4	20.1	60.3
148	63.9	32.0	96.0

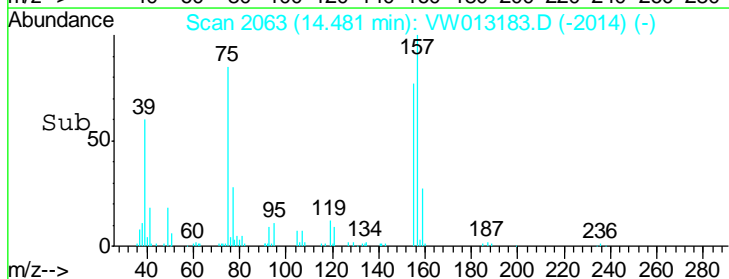
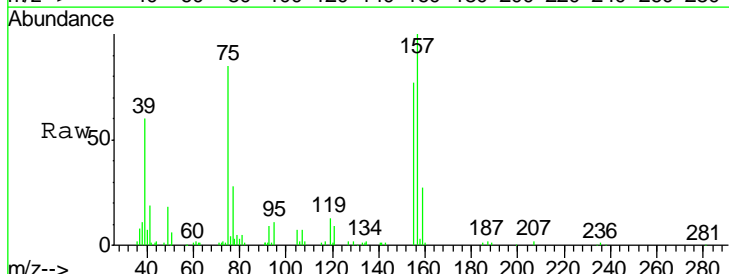
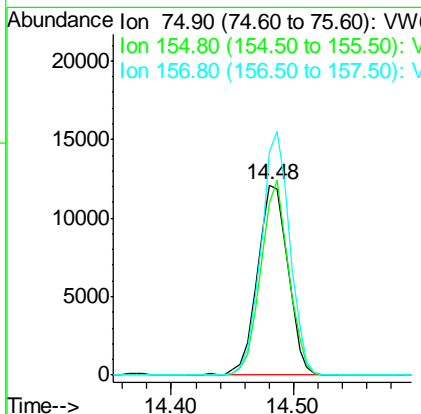
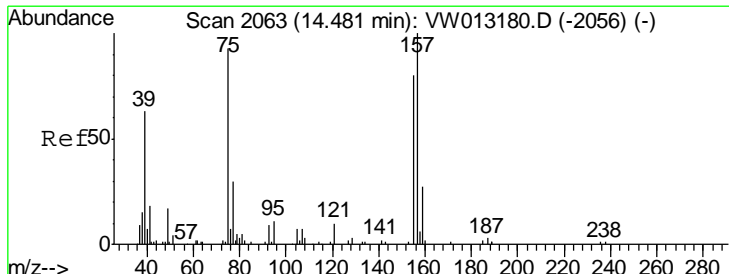
Manual Integrations
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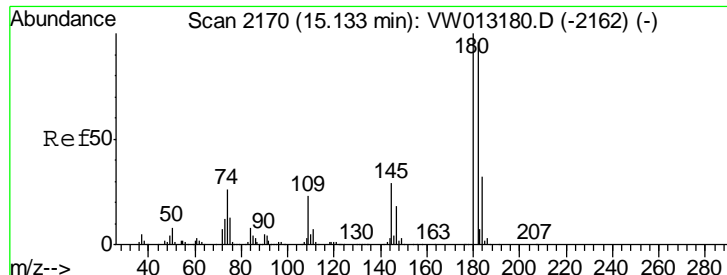
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.102 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

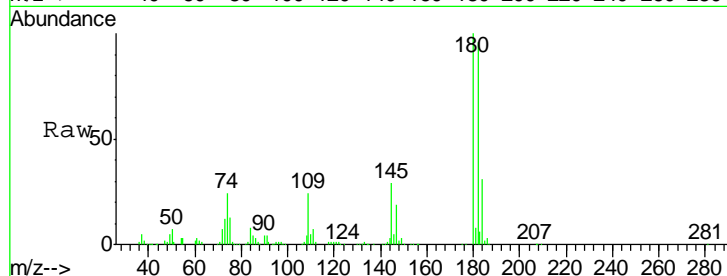
Tgt Ion	Resp	Lower	Upper
75	100		
155	93.0	46.1	138.3
157	119.5	60.4	181.2





#93
 1,2,4-Trichlorobenzene
 Concen: 50.468 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

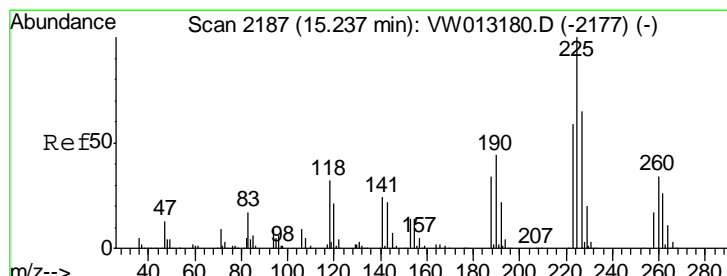
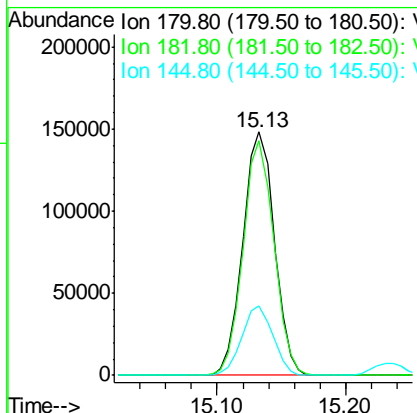
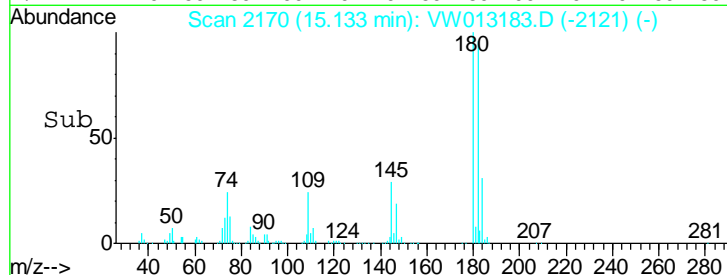
Instrument : MSVOA_W
 Client Sampled : ICVVW092019



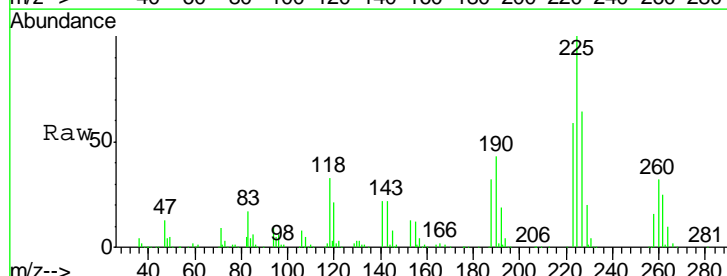
Tgt Ion	Resp	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	28.4	14.2	42.8

Manual Integrations
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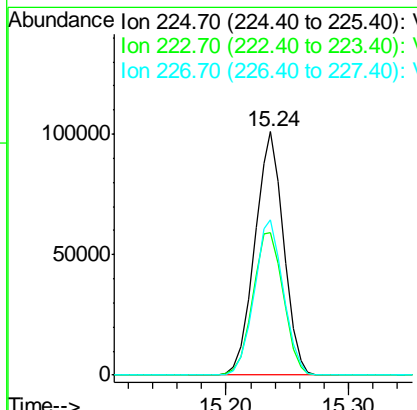
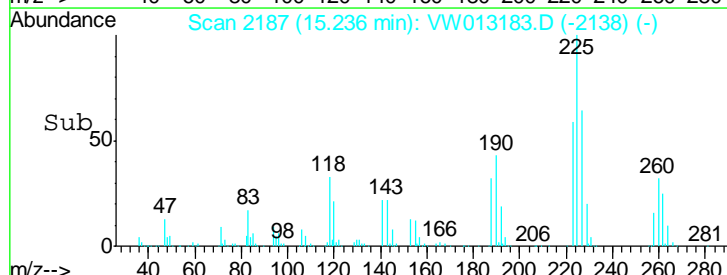
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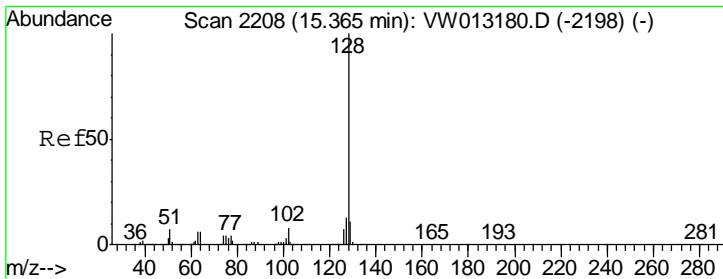


#94
 Hexachlorobutadiene
 Concen: 48.664 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion	Resp	Lower	Upper
225	100		
223	62.4	30.6	91.8
227	64.5	31.9	95.9





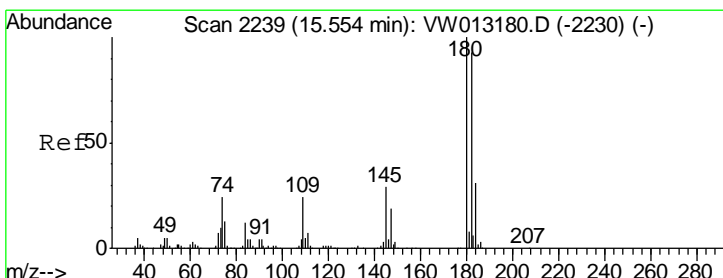
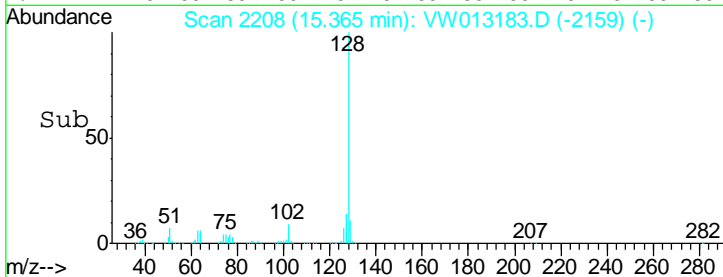
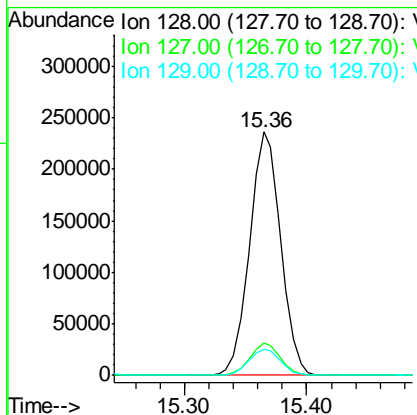
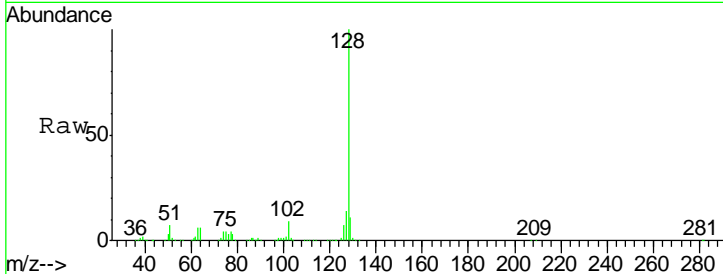
#95
 Naphthalene
 Concen: 51.405 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
128	416934		
127	13.1	10.6	15.8
129	10.9	8.7	13.1

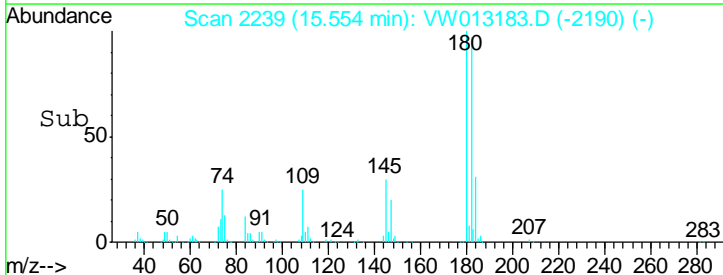
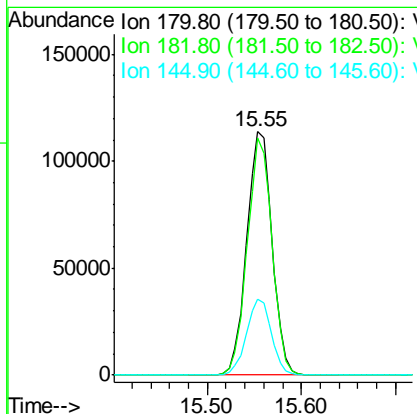
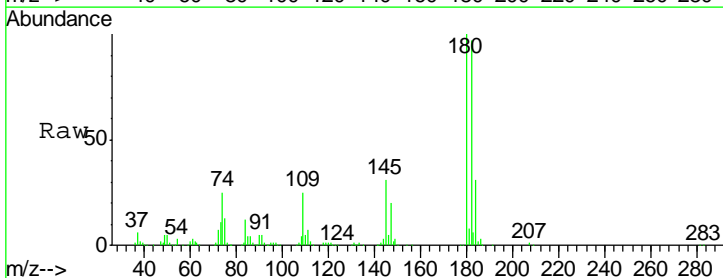
Manual Integrations
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#96
 1,2,3-Trichlorobenzene
 Concen: 50.158 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
180	214927		
182	95.3	47.9	143.7
145	30.6	15.0	45.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2 T	Dichlorodifluoromethane	50.000	49.162	1.7	111	0.00
3 P	Chloromethane	50.000	43.911	12.2	101	0.00
4 C	Vinyl Chloride	50.000	45.807	8.4#	102	0.00
5 T	Bromomethane	50.000	46.870	6.3	101	0.00
6 T	Chloroethane	50.000	46.265	7.5	99	0.00
7 T	Trichlorofluoromethane	50.000	46.235	7.5	100	0.00
8 T	Diethyl Ether	50.000	45.707	8.6	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.351	5.3	101	0.00
10 T	Methyl Iodide	50.000	45.412	9.2	96	0.00
11 T	Tert butyl alcohol	250.000	221.285	11.5	104	0.00
12 CM	1,1-Dichloroethene	50.000	47.612	4.8#	102	0.00
13 T	Acrolein	250.000	238.111	4.8	95	0.00
14 T	Allyl chloride	50.000	48.241	3.5	101	0.00
15 T	Acrylonitrile	250.000	230.623	7.8	99	0.00
16 T	Acetone	250.000	260.764	-4.3	116	0.00
17 T	Carbon Disulfide	50.000	48.277	3.4	101	0.00
18 T	Methyl Acetate	50.000	42.530	14.9	96	0.00
19 T	Methyl tert-butyl Ether	50.000	46.522	7.0	98	0.00
20 T	Methylene Chloride	50.000	46.960	6.1	97	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.351	5.3	99	0.00
22 T	Diisopropyl ether	50.000	47.344	5.3	98	0.00
23 T	Vinyl Acetate	250.000	240.191	3.9	100	0.00
24 P	1,1-Dichloroethane	50.000	47.162	5.7	99	0.00
25 T	2-Butanone	250.000	224.132	10.3	101	0.00
26 T	2,2-Dichloropropane	50.000	49.055	1.9	99	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.618	6.8	97	0.00
28 T	Bromochloromethane	50.000	50.633	-1.3	99	0.00
29 T	Tetrahydrofuran	250.000	225.981	9.6	99	0.00
30 C	Chloroform	50.000	46.141	7.7#	100	0.00
31 T	Cyclohexane	50.000	46.119	7.8	102	0.00
32 T	1,1,1-Trichloroethane	50.000	47.253	5.5	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.070	7.9	97	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	47.354	5.3	99	0.00
36 T	1,1-Dichloropropene	50.000	47.230	5.5	101	0.00
37 T	Ethyl Acetate	50.000	45.126	9.7	99	0.00
38 T	Carbon Tetrachloride	50.000	47.901	4.2	100	0.00
39 T	Methylcyclohexane	50.000	48.771	2.5	101	0.00
40 TM	Benzene	50.000	47.296	5.4	100	0.00
41 T	Methacrylonitrile	50.000	45.973	8.1	97	0.00
42 TM	1,2-Dichloroethane	50.000	46.102	7.8	97	0.00
43 T	Isopropyl Acetate	50.000	45.726	8.5	99	0.00
44 TM	Trichloroethene	50.000	47.287	5.4	100	0.00
45 C	1,2-Dichloropropane	50.000	47.627	4.7#	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	47.009	6.0	100	0.00
47 T	Bromodichloromethane	50.000	47.957	4.1	100	0.00
48 T	Methyl methacrylate	50.000	49.749	0.5	107	0.00
49 T	1,4-Dioxane	1000.000	874.296	12.6	106	0.00
50 S	Toluene-d8	50.000	47.136	5.7	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	227.362	9.1	98	0.00
52 CM	Toluene	50.000	47.528	4.9#	100	0.00
53 T	t-1,3-Dichloropropene	50.000	48.697	2.6	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.791	2.4	102	0.00
55 T	1,1,2-Trichloroethane	50.000	46.420	7.2	99	0.00
56 T	Ethyl methacrylate	50.000	47.862	4.3	99	0.00
57 T	1,3-Dichloropropane	50.000	46.573	6.9	98	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	246.263	1.5	98	0.00
59 T	2-Hexanone	250.000	236.976	5.2	101	0.00
60 T	Dibromochloromethane	50.000	47.530	4.9	99	0.00
61 T	1,2-Dibromoethane	50.000	46.408	7.2	100	0.00
62 S	4-Bromofluorobenzene	50.000	46.925	6.2	98	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	47.778	4.4	100	0.00
65 PM	Chlorobenzene	50.000	47.382	5.2	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.136	3.7	99	0.00
67 C	Ethyl Benzene	50.000	48.381	3.2#	99	0.00
68 T	m/p-Xylenes	100.000	96.706	3.3	99	0.00
69 T	o-Xylene	50.000	47.673	4.7	98	0.00
70 T	Styrene	50.000	48.482	3.0	98	0.00
71 P	Bromoform	50.000	47.742	4.5	99	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	48.410	3.2	100	0.00
74 T	N-amyl acetate	50.000	47.605	4.8	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.568	8.9	98	0.00
76 T	1,2,3-Trichloropropane	50.000	50.585	-1.2	100	0.00
77 T	Bromobenzene	50.000	47.325	5.3	96	0.00
78 T	n-propylbenzene	50.000	48.570	2.9	100	0.00
79 T	2-Chlorotoluene	50.000	48.103	3.8	99	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.054	3.9	99	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.200	3.6	100	0.00
82 T	4-Chlorotoluene	50.000	47.770	4.5	100	0.00
83 T	tert-Butylbenzene	50.000	48.357	3.3	99	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.502	3.0	100	0.00
85 T	sec-Butylbenzene	50.000	48.986	2.0	100	0.00
86 T	p-Isopropyltoluene	50.000	49.187	1.6	100	0.00
87 T	1,3-Dichlorobenzene	50.000	47.208	5.6	98	0.00
88 T	1,4-Dichlorobenzene	50.000	48.073	3.9	100	0.00
89 T	n-Butylbenzene	50.000	49.939	0.1	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T Hexachloroethane	50.000	49.651	0.7	101	0.00
91 T 1,2-Dichlorobenzene	50.000	47.826	4.3	99	0.00
92 T 1,2-Dibromo-3-Chloropropane	50.000	47.102	5.8	100	0.00
93 T 1,2,4-Trichlorobenzene	50.000	50.468	-0.9	102	0.00
94 T Hexachlorobutadiene	50.000	48.664	2.7	102	0.00
95 T Naphthalene	50.000	51.405	-2.8	102	0.00
96 T 1,2,3-Trichlorobenzene	50.000	50.158	-0.3	102	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2 T Dichlorodifluoromethane	0.288	0.284	1.4	111	0.00
3 P Chloromethane	0.371	0.326	12.1	101	0.00
4 C Vinyl Chloride	0.478	0.438	8.4#	102	0.00
5 T Bromomethane	0.303	0.284	6.3	101	0.00
6 T Chloroethane	0.282	0.261	7.4	99	0.00
7 T Trichlorofluoromethane	0.276	0.255	7.6	100	0.00
8 T Diethyl Ether	0.235	0.215	8.5	97	0.00
9 T 1,1,2-Trichlorotrifluoroeth	0.449	0.425	5.3	101	0.00
10 T Methyl Iodide	0.696	0.632	9.2	96	0.00
11 T Tert butyl alcohol	0.034	0.026	23.5#	104	0.00
12 CM 1,1-Dichloroethene	0.465	0.442	4.9#	102	0.00
13 T Acrolein	0.023	0.022	4.3	95	0.00
14 T Allyl chloride	0.740	0.713	3.6	101	0.00
15 T Acrylonitrile	0.102	0.094	7.8	99	0.00
16 T Acetone	0.092	0.096	-4.3	116	0.00
17 T Carbon Disulfide	1.343	1.297	3.4	101	0.00
18 T Methyl Acetate	0.259	0.220	15.1	96	0.00
19 T Methyl tert-butyl Ether	0.712	0.663	6.9	98	0.00
20 T Methylene Chloride	0.521	0.444	14.8	97	0.00
21 T trans-1,2-Dichloroethene	0.502	0.476	5.2	99	0.00
22 T Diisopropyl ether	1.406	1.332	5.3	98	0.00
23 T Vinyl Acetate	0.834	0.802	3.8	100	0.00
24 P 1,1-Dichloroethane	0.849	0.800	5.8	99	0.00
25 T 2-Butanone	0.138	0.124	10.1	101	0.00
26 T 2,2-Dichloropropane	0.563	0.499	11.4	99	0.00
27 T cis-1,2-Dichloroethene	0.530	0.494	6.8	97	0.00
28 T Bromochloromethane	0.326	0.330	-1.2	99	0.00
29 T Tetrahydrofuran	0.085	0.077	9.4	99	0.00
30 C Chloroform	0.831	0.767	7.7#	100	0.00
31 T Cyclohexane	0.885	0.816	7.8	102	0.00
32 T 1,1,1-Trichloroethane	0.673	0.636	5.5	100	0.00
33 S 1,2-Dichloroethane-d4	0.408	0.376	7.8	97	0.00
34 I 1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S Dibromofluoromethane	0.275	0.260	5.5	99	0.00
36 T 1,1-Dichloropropene	0.484	0.457	5.6	101	0.00
37 T Ethyl Acetate	0.206	0.186	9.7	99	0.00
38 T Carbon Tetrachloride	0.434	0.416	4.1	100	0.00
39 T Methylcyclohexane	0.622	0.607	2.4	101	0.00
40 TM Benzene	1.351	1.278	5.4	100	0.00
41 T Methacrylonitrile	0.123	0.113	8.1	97	0.00
42 TM 1,2-Dichloroethane	0.363	0.335	7.7	97	0.00
43 T Isopropyl Acetate	0.394	0.361	8.4	99	0.00
44 TM Trichloroethene	0.379	0.358	5.5	100	0.00
45 C 1,2-Dichloropropane	0.330	0.314	4.8#	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.160	0.151	5.6	100	0.00
47 T	Bromodichloromethane	0.407	0.391	3.9	100	0.00
48 T	Methyl methacrylate	0.185	0.185	0.0	107	0.00
49 T	1,4-Dioxane	0.002	0.002	0.0	106	0.00
50 S	Toluene-d8	1.151	1.085	5.7	97	0.00
51 T	4-Methyl-2-Pentanone	0.198	0.180	9.1	98	0.00
52 CM	Toluene	0.866	0.823	5.0#	100	0.00
53 T	t-1,3-Dichloropropene	0.419	0.408	2.6	100	0.00
54 T	cis-1,3-Dichloropropene	0.509	0.497	2.4	102	0.00
55 T	1,1,2-Trichloroethane	0.239	0.222	7.1	99	0.00
56 T	Ethyl methacrylate	0.313	0.300	4.2	99	0.00
57 T	1,3-Dichloropropane	0.418	0.389	6.9	98	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.143	1.4	98	0.00
59 T	2-Hexanone	0.136	0.129	5.1	101	0.00
60 T	Dibromochloromethane	0.272	0.258	5.1	99	0.00
61 T	1,2-Dibromoethane	0.228	0.211	7.5	100	0.00
62 S	4-Bromofluorobenzene	0.393	0.369	6.1	98	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.379	0.363	4.2	100	0.00
65 PM	Chlorobenzene	1.044	0.989	5.3	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.357	0.343	3.9	99	0.00
67 C	Ethyl Benzene	1.892	1.831	3.2#	99	0.00
68 T	m/p-Xylenes	0.721	0.697	3.3	99	0.00
69 T	o-Xylene	0.670	0.639	4.6	98	0.00
70 T	Styrene	1.151	1.116	3.0	98	0.00
71 P	Bromoform	0.188	0.180	4.3	99	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	3.694	3.576	3.2	100	0.00
74 T	N-amyl acetate	0.820	0.780	4.9	98	0.00
75 P	1,1,2,2-Tetrachloroethane	0.618	0.563	8.9	98	0.00
76 T	1,2,3-Trichloropropane	0.442	0.447	-1.1	100	0.00
77 T	Bromobenzene	0.875	0.828	5.4	96	0.00
78 T	n-propylbenzene	4.323	4.200	2.8	100	0.00
79 T	2-Chlorotoluene	2.422	2.330	3.8	99	0.00
80 T	1,3,5-Trimethylbenzene	3.105	2.984	3.9	99	0.00
81 T	trans-1,4-Dichloro-2-butene	0.197	0.190	3.6	100	0.00
82 T	4-Chlorotoluene	2.554	2.440	4.5	100	0.00
83 T	tert-Butylbenzene	2.725	2.636	3.3	99	0.00
84 T	1,2,4-Trimethylbenzene	3.090	2.997	3.0	100	0.00
85 T	sec-Butylbenzene	3.757	3.681	2.0	100	0.00
86 T	p-Isopropyltoluene	3.485	3.428	1.6	100	0.00
87 T	1,3-Dichlorobenzene	1.685	1.590	5.6	98	0.00
88 T	1,4-Dichlorobenzene	1.652	1.588	3.9	100	0.00
89 T	n-Butylbenzene	3.182	3.178	0.1	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.585	0.581	0.7	101	0.00
91 T	1,2-Dichlorobenzene	1.457	1.394	4.3	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.094	0.089	5.3	100	0.00
93 T	1,2,4-Trichlorobenzene	1.044	1.054	-1.0	102	0.00
94 T	Hexachlorobutadiene	0.714	0.695	2.7	102	0.00
95 T	Naphthalene	1.708	1.756	-2.8	102	0.00
96 T	1,2,3-Trichlorobenzene	0.902	0.905	-0.3	102	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG No.: K4888
 Instrument ID: MSVOA_X Calibration Date(s): 09/17/2019 09/17/2019
 Heated Purge: (Y/N) N Calibration Time(s): 11:59 13:56
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX012428.D	RRF005 = VX012429.D	RRF020 = VX012430.D	RRF050 = VX012431.D	RRF100 = VX012432.D	RRF150 = VX012433.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.244	0.231	0.320	0.345	0.339	0.333	0.302	16.8
Chloromethane	0.306	0.230	0.259	0.289	0.279	0.286	0.275	9.7
Vinyl Chloride	0.296	0.257	0.288	0.315	0.309	0.317	0.297	7.6
Bromomethane		0.119	0.134	0.110	0.107	0.113	0.117	9.2
Chloroethane	0.277	0.246	0.212	0.218	0.209		0.232	12.5
Trichlorofluoromethane	0.513	0.490	0.552	0.586	0.564	0.562	0.545	6.6
1,1,2-Trichlorotrifluoroethane	0.420	0.366	0.376	0.406	0.399	0.396	0.394	5
1,1-Dichloroethene	0.307	0.293	0.305	0.332	0.324	0.326	0.314	4.8
Acetone	0.459	0.399	0.327	0.349	0.323	0.318	0.363	15.4
Carbon Disulfide	0.308	0.286	0.390	0.447	0.447	0.459	0.389	19.5
Methyl tert-butyl Ether	1.793	1.686	1.610	1.766	1.705	1.723	1.714	3.8
Methyl Acetate	0.798	0.725	0.701	0.773	0.734	0.748	0.747	4.7
Methylene Chloride	0.496	0.417	0.408	0.436	0.418	0.427	0.434	7.4
trans-1,2-Dichloroethene	0.335	0.291	0.314	0.344	0.338	0.337	0.326	6.2
1,1-Dichloroethane	0.783	0.804	0.790	0.864	0.838	0.840	0.820	3.9
Cyclohexane		0.425	0.489	0.529	0.513	0.517	0.495	8.4
2-Butanone	0.532	0.517	0.458	0.507	0.481	0.488	0.497	5.4
Carbon Tetrachloride	0.404	0.336	0.347	0.399	0.389	0.392	0.378	7.6
cis-1,2-Dichloroethene	0.516	0.462	0.459	0.503	0.489	0.497	0.488	4.7
Bromochloromethane	0.490	0.431	0.422	0.406	0.393	0.394	0.423	8.5
Chloroform	1.055	0.940	0.878	0.947	0.911	0.920	0.942	6.4
1,1,1-Trichloroethane	0.769	0.772	0.759	0.823	0.796	0.802	0.787	3.1
Methylcyclohexane	0.265	0.251	0.286	0.329	0.320	0.322	0.295	11.2
Benzene	0.965	0.916	0.917	1.015	0.989	0.995	0.966	4.3
1,2-Dichloroethane	0.494	0.434	0.415	0.461	0.444	0.441	0.448	6
Trichloroethene	0.250	0.242	0.238	0.272	0.260	0.263	0.254	5.1
1,2-Dichloropropane	0.330	0.282	0.271	0.305	0.294	0.299	0.297	6.8
Bromodichloromethane	0.404	0.411	0.389	0.456	0.451	0.455	0.428	7
4-Methyl-2-Pentanone	0.504	0.542	0.520	0.584	0.567	0.577	0.549	5.9
Toluene	0.613	0.572	0.597	0.662	0.646	0.646	0.623	5.6
t-1,3-Dichloropropene	0.382	0.401	0.411	0.486	0.488	0.499	0.445	11.7
cis-1,3-Dichloropropene	0.412	0.415	0.434	0.503	0.496	0.501	0.460	9.6
1,1,2-Trichloroethane	0.335	0.320	0.295	0.330	0.318	0.327	0.321	4.4

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG No.: K4888
 Instrument ID: MSVOA_X Calibration Date(s): 09/17/2019 09/17/2019
 Heated Purge: (Y/N) N Calibration Time(s): 11:59 13:56
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX012428.D	RRF005 = VX012429.D	RRF020 = VX012430.D	RRF050 = VX012431.D	RRF100 = VX012432.D	RRF150 = VX012433.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.404	0.421	0.397	0.459	0.445	0.445	0.428	5.8
Dibromochloromethane	0.278	0.284	0.305	0.362	0.360	0.372	0.327	13
1,2-Dibromoethane	0.254	0.282	0.284	0.319	0.307	0.313	0.293	8.4
Tetrachloroethene	0.219	0.230	0.231	0.243	0.228	0.223	0.229	3.6
Chlorobenzene	0.866	0.791	0.770	0.854	0.825	0.846	0.825	4.6
Ethyl Benzene	1.386	1.328	1.339	1.523	1.462	1.468	1.418	5.5
m/p-Xylenes	0.478	0.492	0.492	0.556	0.534	0.543	0.516	6.3
o-Xylene	0.487	0.518	0.499	0.571	0.547	0.561	0.531	6.5
Styrene	0.823	0.860	0.875	1.023	1.006	1.045	0.939	10.3
Bromoform	0.191	0.225	0.225	0.286	0.299	0.311	0.256	19
Isopropylbenzene	3.060	3.186	2.998	3.328	3.096	3.155	3.137	3.7
1,1,2,2-Tetrachloroethane	1.198	1.275	1.138	1.289	1.245	1.240	1.231	4.5
1,3-Dichlorobenzene	1.412	1.408	1.318	1.504	1.495	1.498	1.439	5.1
1,4-Dichlorobenzene	1.509	1.482	1.341	1.533	1.502	1.504	1.478	4.7
1,2-Dichlorobenzene	1.515	1.537	1.393	1.589	1.509	1.483	1.504	4.3
1,2-Dibromo-3-Chloropropane	0.290	0.307	0.291	0.352	0.332	0.342	0.319	8.4
1,2,4-Trichlorobenzene	0.855	0.908	0.880	1.068	1.042	1.061	0.969	10.1
1,2,3-Trichlorobenzene	0.885	0.927	0.938	1.085	1.029	1.060	0.987	8.2
1,2-Dichloroethane-d4		0.796	0.742	0.658	0.685	0.701	0.717	7.5
Dibromofluoromethane		0.319	0.306	0.282	0.302	0.304	0.303	4.3
Toluene-d8		1.196	1.130	1.040	1.113	1.122	1.120	4.9
4-Bromofluorobenzene		0.477	0.460	0.429	0.473	0.486	0.465	4.8

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 82X091719W.M
 Title : SW846 8260
 Last Update : Tue Sep 17 15:27:10 2019
 Response Via : Initial Calibration

Calibration Files

1 =VX012428.D 5 =VX012429.D 20 =VX012430.D
 50 =VX012431.D 100 =VX012432.D 150 =VX012433.D

Compound	1	5	20	50	100	150	Avg	%RSD
-----ISTD-----								
1) I Pentafluorobenzene								
2) T Dichlorodifluorom	0.244	0.231	0.320	0.345	0.339	0.333	0.302	16.79
3) P Chloromethane	0.306	0.230	0.259	0.289	0.279	0.286	0.275	9.69
4) C Vinyl Chloride	0.296	0.257	0.288	0.315	0.309	0.317	0.297	7.59#
5) T Bromomethane		0.119	0.134	0.110	0.107	0.113	0.117	9.22
6) T Chloroethane	0.277	0.246	0.212	0.218	0.209		0.232	12.46
7) T Trichlorofluorome	0.513	0.490	0.552	0.586	0.564	0.562	0.545	6.58
8) T Diethyl Ether	0.287	0.228	0.231	0.255	0.237	0.239	0.246	8.93
9) T 1,1,2-Trichlorotr	0.420	0.366	0.376	0.406	0.399	0.396	0.394	5.04
10) T Methyl Iodide		0.198	0.258	0.331	0.355	0.361	0.301	23.52
11) T Tert butyl alcoho		0.245	0.174	0.187	0.178	0.179	0.193	15.49
12) CM 1,1-Dichloroethen	0.307	0.293	0.305	0.332	0.324	0.326	0.314	4.81#
13) T Acrolein		0.097	0.066	0.059	0.061	0.064	0.069	22.74
14) T Allyl chloride	0.636	0.731	0.702	0.780	0.768	0.774	0.732	7.61
15) T Acrylonitrile	0.302	0.314	0.289	0.324	0.313	0.320	0.311	4.15
16) T Acetone	0.459	0.399	0.327	0.349	0.323	0.318	0.363	15.43
17) T Carbon Disulfide	0.308	0.286	0.390	0.447	0.447	0.459	0.389	19.47
18) T Methyl Acetate	0.798	0.725	0.701	0.773	0.734	0.748	0.747	4.65
19) T Methyl tert-butyl	1.793	1.686	1.610	1.766	1.705	1.723	1.714	3.75
20) T Methylene Chlorid	0.496	0.417	0.408	0.436	0.418	0.427	0.434	7.40
21) T trans-1,2-Dichlor	0.335	0.291	0.314	0.344	0.338	0.337	0.326	6.22
22) T Diisopropyl ether	1.805	1.681	1.606	1.766	1.715	1.709	1.714	4.03
23) T Vinyl Acetate	1.282	1.335	1.361	1.523	1.475	1.482	1.410	6.87
24) P 1,1-Dichloroethan	0.783	0.804	0.790	0.864	0.838	0.840	0.820	3.89
25) T 2-Butanone	0.532	0.517	0.458	0.507	0.481	0.488	0.497	5.40
26) T 2,2-Dichloropropa	0.887	0.773	0.756	0.832	0.796	0.794	0.806	5.81
27) T cis-1,2-Dichloroe	0.516	0.462	0.459	0.503	0.489	0.497	0.488	4.68
28) T Bromochloromethan	0.490	0.431	0.422	0.406	0.393	0.394	0.423	8.54
29) T Tetrahydrofuran	0.240	0.276	0.265	0.295	0.285	0.287	0.275	7.16
30) C Chloroform	1.055	0.940	0.878	0.947	0.911	0.920	0.942	6.43#
31) T Cyclohexane		0.425	0.489	0.529	0.513	0.517	0.495	8.39
32) T 1,1,1-Trichloroet	0.769	0.772	0.759	0.823	0.796	0.802	0.787	3.09
33) S 1,2-Dichloroethan		0.796	0.742	0.658	0.685	0.701	0.717	7.53
-----ISTD-----								
34) I 1,4-Difluorobenzene								
35) S Dibromofluorometh		0.319	0.306	0.282	0.302	0.304	0.303	4.31
36) T 1,1-Dichloroprope	0.329	0.271	0.285	0.321	0.308	0.310	0.304	7.24
37) T Ethyl Acetate	0.364	0.441	0.468	0.519	0.498	0.509	0.466	12.42
38) T Carbon Tetrachlor	0.404	0.336	0.347	0.399	0.389	0.392	0.378	7.64
39) T Methylcyclohexane	0.265	0.251	0.286	0.329	0.320	0.322	0.295	11.18
40) TM Benzene	0.965	0.916	0.917	1.015	0.989	0.995	0.966	4.31
41) T Methacrylonitrile	0.327	0.286	0.278	0.309	0.301	0.301	0.300	5.75
42) TM 1,2-Dichloroethan	0.494	0.434	0.415	0.461	0.444	0.441	0.448	6.04
43) T Isopropyl Acetate	0.822	0.791	0.778	0.890	0.862	0.880	0.837	5.63
44) TM Trichloroethene	0.250	0.242	0.238	0.272	0.260	0.263	0.254	5.07
45) C 1,2-Dichloropropa	0.330	0.282	0.271	0.305	0.294	0.299	0.297	6.83#
46) T Dibromomethane	0.196	0.186	0.180	0.199	0.196	0.195	0.192	3.86
47) T Bromodichlorometh	0.404	0.411	0.389	0.456	0.451	0.455	0.428	7.00
48) T Methyl methacryla	0.391	0.350	0.371	0.423	0.413	0.421	0.395	7.55
49) T 1,4-Dioxane	0.010	0.009	0.009	0.010	0.010	0.010	0.010	5.74
50) S Toluene-d8		1.196	1.130	1.040	1.113	1.122	1.120	4.93
51) T 4-Methyl-2-Pentan	0.504	0.542	0.520	0.584	0.567	0.577	0.549	5.92
52) CM Toluene	0.613	0.572	0.597	0.662	0.646	0.646	0.623	5.56#

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 82X091719W.M
 Title : SW846 8260
 Last Update : Tue Sep 17 15:27:10 2019
 Response Via : Initial Calibration

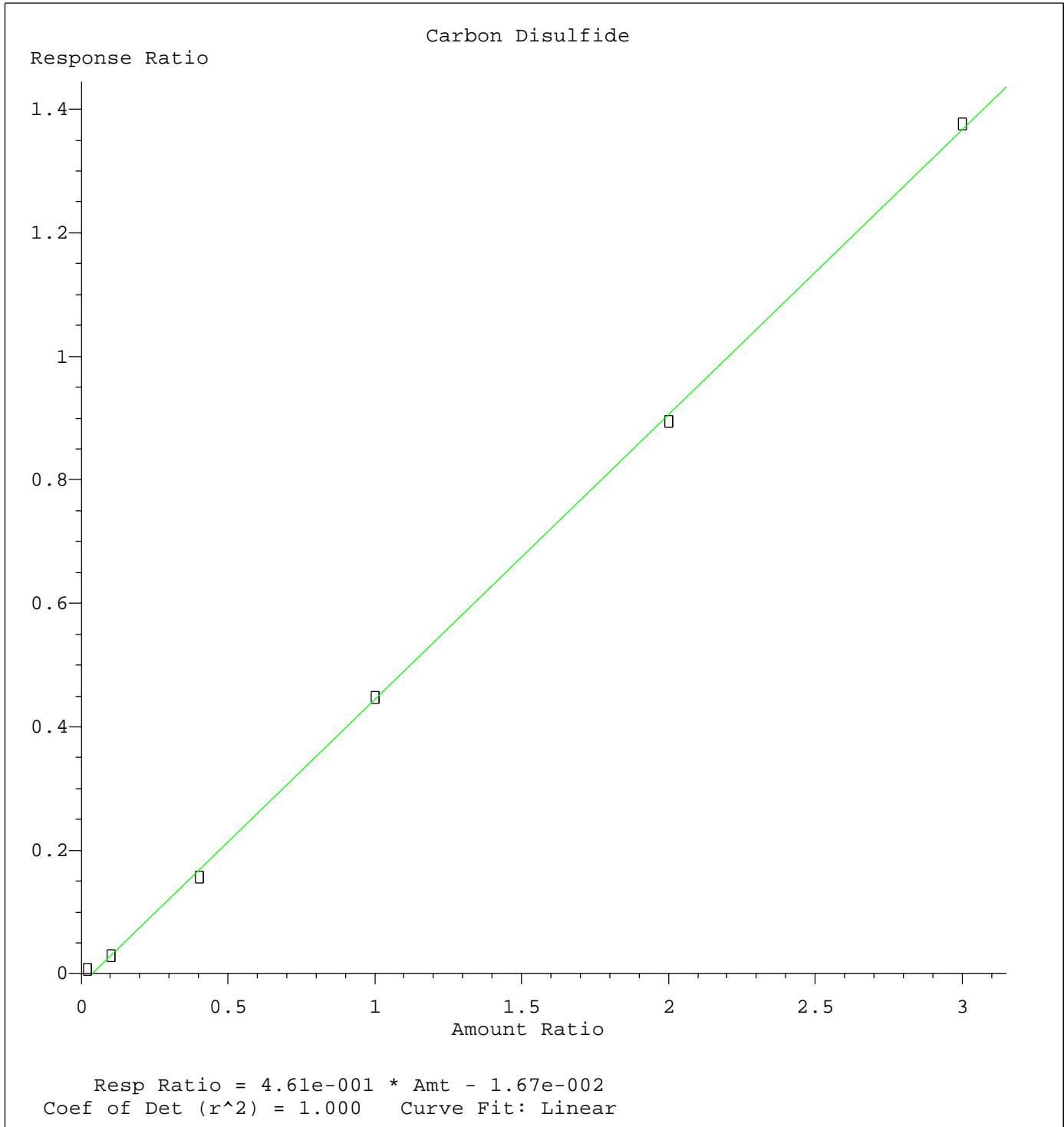
Calibration Files

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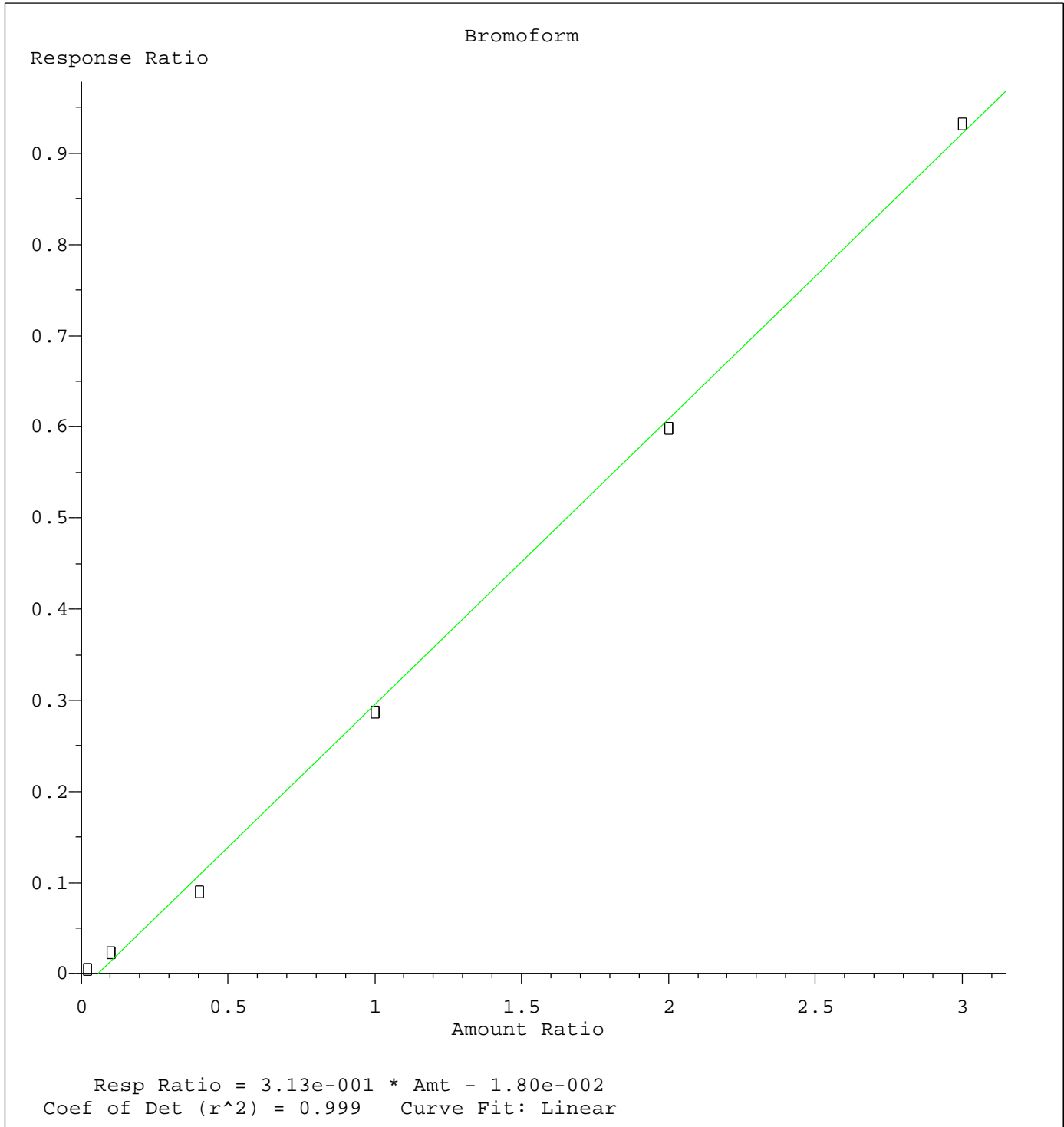
	Compound	1	5	20	50	100	150	Avg	%RSD
53) T	t-1,3-Dichloropro	0.382	0.401	0.411	0.486	0.488	0.499	0.445	11.69
54) T	cis-1,3-Dichlorop	0.412	0.415	0.434	0.503	0.496	0.501	0.460	9.63
55) T	1,1,2-Trichloroet	0.335	0.320	0.295	0.330	0.318	0.327	0.321	4.40
56) T	Ethyl methacrylat	0.456	0.459	0.461	0.535	0.540	0.559	0.502	9.54
57) T	1,3-Dichloropropa	0.499	0.511	0.474	0.537	0.524	0.526	0.512	4.43
58) T	2-Chloroethyl Vin	0.222	0.259	0.253	0.268	0.277	0.279	0.260	8.08
59) T	2-Hexanone	0.404	0.421	0.397	0.459	0.445	0.445	0.428	5.80
60) T	Dibromochlorometh	0.278	0.284	0.305	0.362	0.360	0.372	0.327	12.99
61) T	1,2-Dibromoethane	0.254	0.282	0.284	0.319	0.307	0.313	0.293	8.37
62) S	4-Bromofluorobenz		0.477	0.460	0.429	0.473	0.486	0.465	4.78
63) I	Chlorobenzene-d5	-----ISTD-----							
64) T	Tetrachloroethene	0.219	0.230	0.231	0.243	0.228	0.223	0.229	3.63
65) PM	Chlorobenzene	0.866	0.791	0.770	0.854	0.825	0.846	0.825	4.61
66) T	1,1,1,2-Tetrachlo	0.322	0.320	0.320	0.367	0.357	0.369	0.342	7.11
67) C	Ethyl Benzene	1.386	1.328	1.339	1.523	1.462	1.468	1.418	5.54#
68) T	m/p-Xylenes	0.478	0.492	0.492	0.556	0.534	0.543	0.516	6.29
69) T	o-Xylene	0.487	0.518	0.499	0.571	0.547	0.561	0.531	6.48
70) T	Styrene	0.823	0.860	0.875	1.023	1.006	1.045	0.939	10.30
71) P	Bromoform	0.191	0.225	0.225	0.286	0.299	0.311	0.256	18.98
72) I	1,4-Dichlorobenzene-d	-----ISTD-----							
73) T	Isopropylbenzene	3.060	3.186	2.998	3.328	3.096	3.155	3.137	3.67
74) T	N-amyl acetate	1.507	1.653	1.571	1.827	1.788	1.788	1.689	7.80
75) P	1,1,2,2-Tetrachlo	1.198	1.275	1.138	1.289	1.245	1.240	1.231	4.49
76) T	1,2,3-Trichloropr	1.071	1.161	1.090	1.243	1.172	1.154	1.149	5.40
77) T	Bromobenzene	0.752	0.762	0.711	0.804	0.765	0.795	0.765	4.34
78) T	n-propylbenzene	3.329	3.314	3.356	3.751	3.571	3.659	3.497	5.39
79) T	2-Chlorotoluene	2.384	2.301	2.127	2.334	2.228	2.275	2.275	3.95
80) T	1,3,5-Trimethylbe	2.548	2.602	2.559	2.867	2.726	2.751	2.676	4.74
81) T	trans-1,4-Dichlor		0.313	0.329	0.424	0.431	0.437	0.387	15.70
82) T	4-Chlorotoluene	2.557	2.609	2.458	2.738	2.642	2.661	2.611	3.67
83) T	tert-Butylbenzene	2.971	2.802	2.678	2.997	2.881	2.873	2.867	4.07
84) T	1,2,4-Trimethylbe	2.603	2.670	2.614	2.923	2.833	2.841	2.747	4.92
85) T	sec-Butylbenzene	2.887	3.092	3.016	3.384	3.285	3.292	3.159	6.07
86) T	p-Isopropyltoluen	2.692	2.724	2.757	3.131	3.023	3.079	2.901	6.81
87) T	1,3-Dichlorobenze	1.412	1.408	1.318	1.504	1.495	1.498	1.439	5.14
88) T	1,4-Dichlorobenze	1.509	1.482	1.341	1.533	1.502	1.504	1.478	4.70
89) T	n-Butylbenzene	2.421	2.376	2.416	2.777	2.761	2.778	2.588	7.81
90) T	Hexachloroethane	0.457	0.480	0.482	0.586	0.584	0.602	0.532	12.30
91) T	1,2-Dichlorobenze	1.515	1.537	1.393	1.589	1.509	1.483	1.504	4.33
92) T	1,2-Dibromo-3-Chl	0.290	0.307	0.291	0.352	0.332	0.342	0.319	8.36
93) T	1,2,4-Trichlorobe	0.855	0.908	0.880	1.068	1.042	1.061	0.969	10.15
94) T	Hexachlorobutadie	0.461	0.436	0.420	0.476	0.472	0.474	0.457	5.08
95) T	Naphthalene	2.770	3.276	3.261	3.893	3.688	3.797	3.448	12.32
96) T	1,2,3-Trichlorobe	0.885	0.927	0.938	1.085	1.029	1.060	0.987	8.21

(#) = Out of Range

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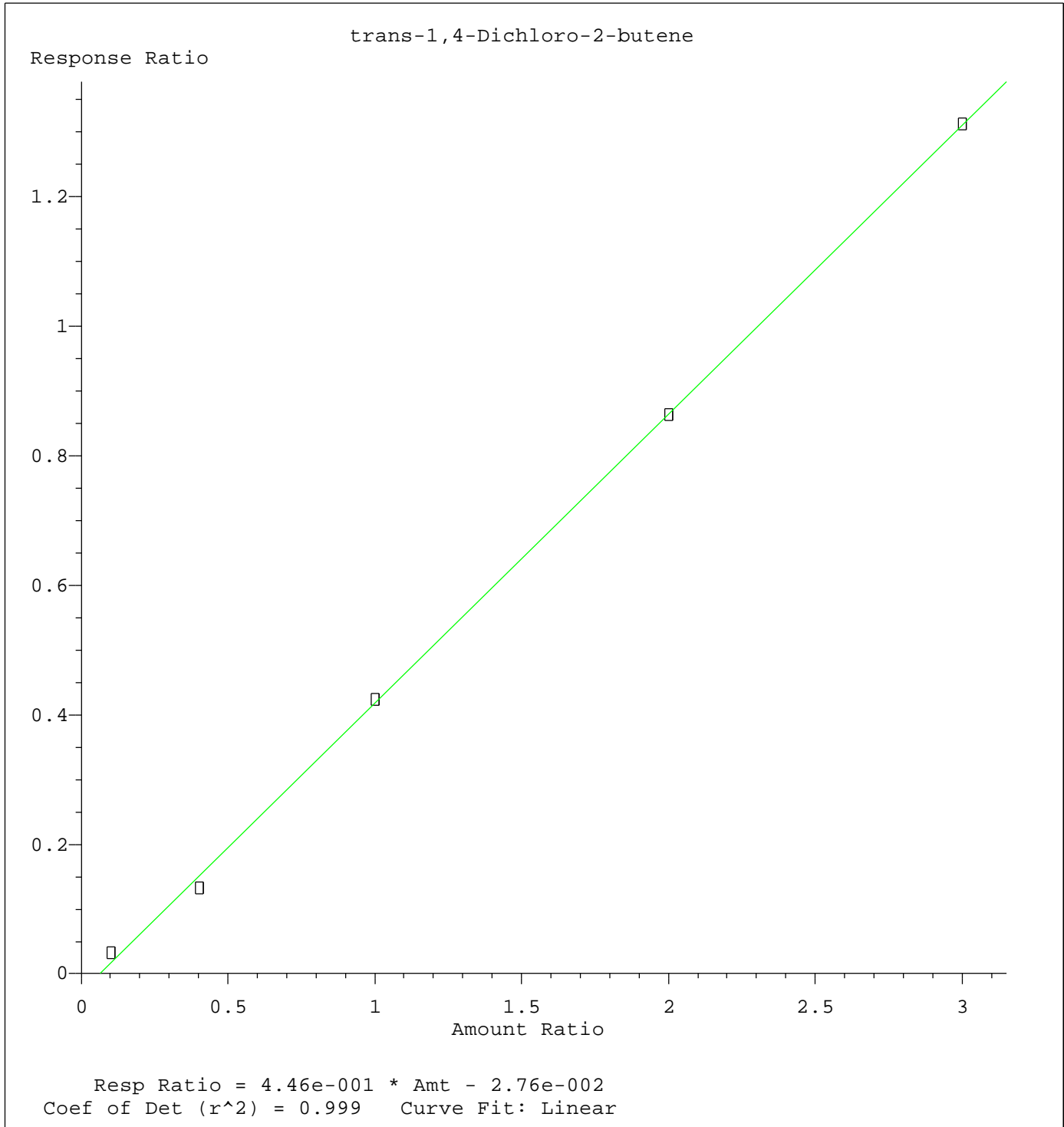


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Calibration Table Last Updated: Tue Sep 17 15:27:10 2019



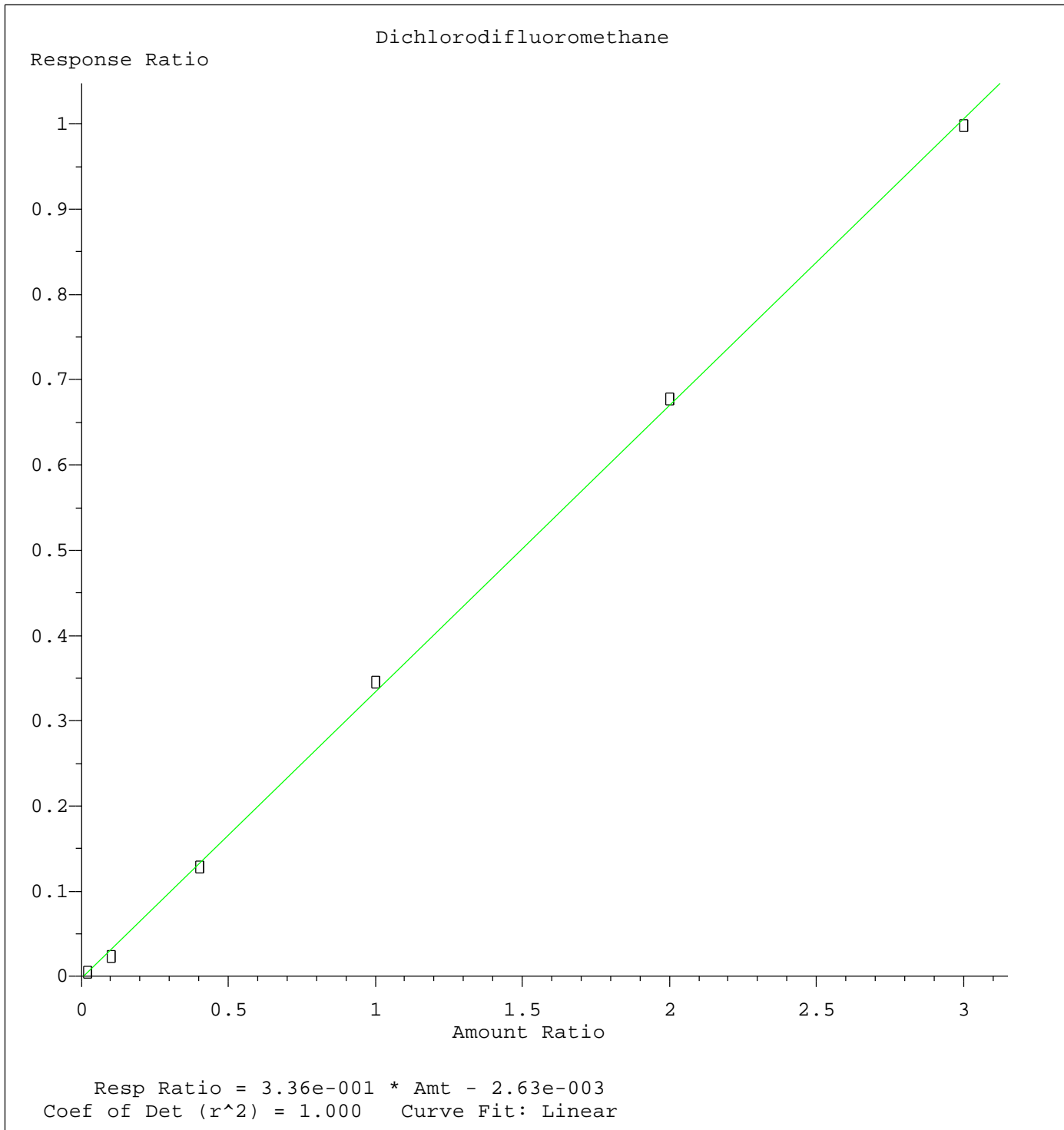
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Calibration Table Last Updated: Tue Sep 17 15:27:10 2019



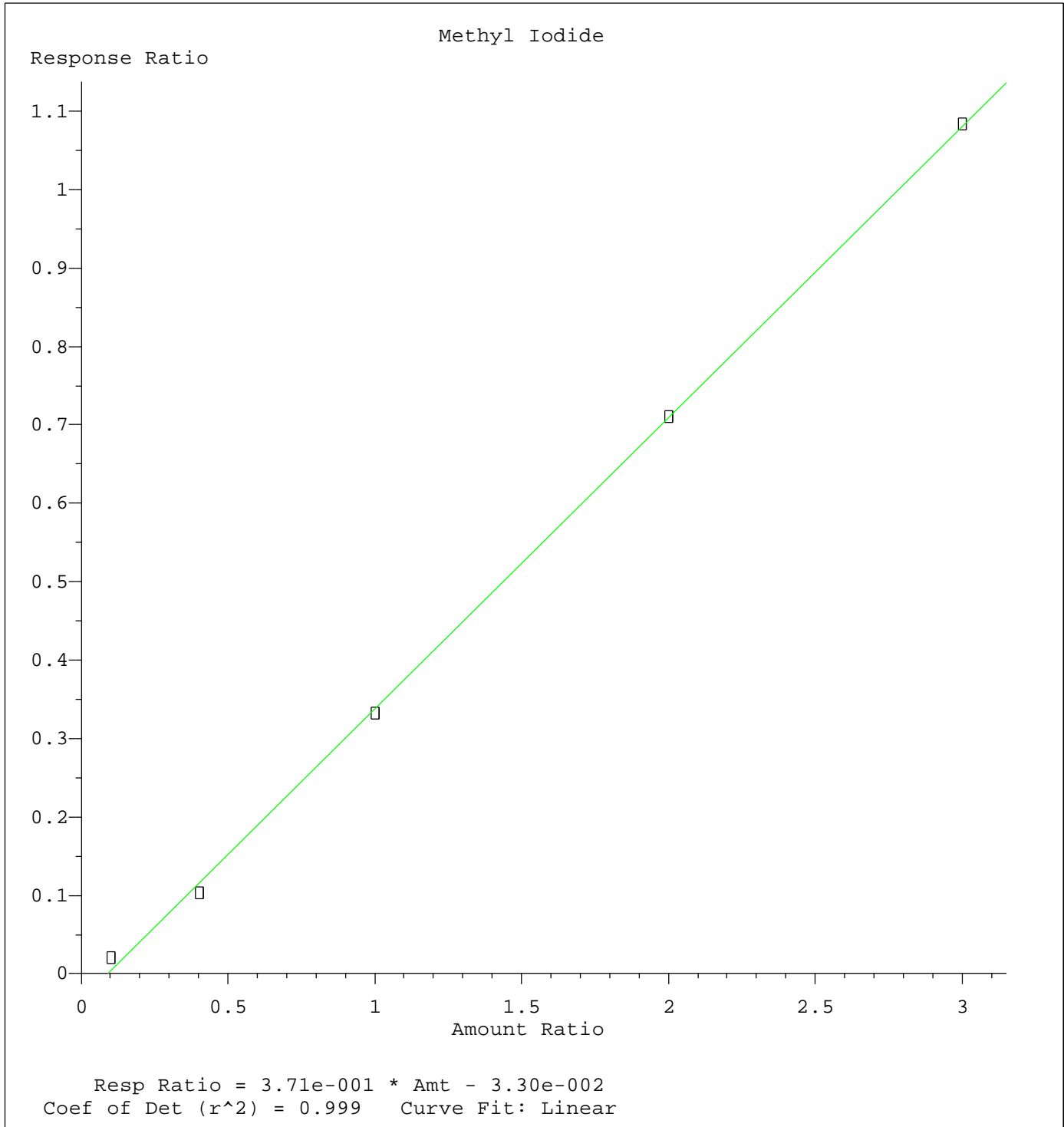
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Calibration Table Last Updated: Tue Sep 17 15:27:10 2019



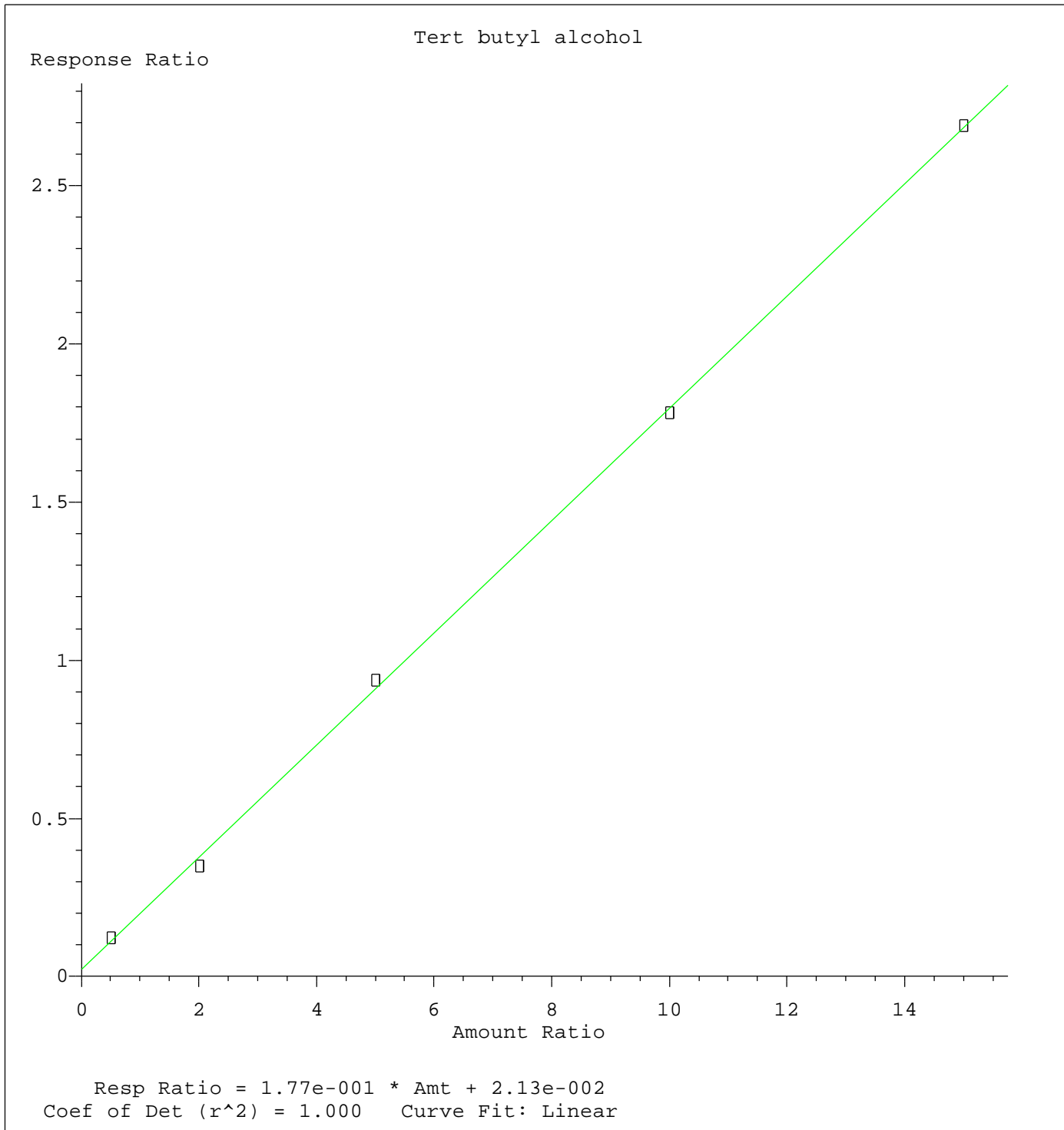
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Calibration Table Last Updated: Tue Sep 17 15:27:10 2019



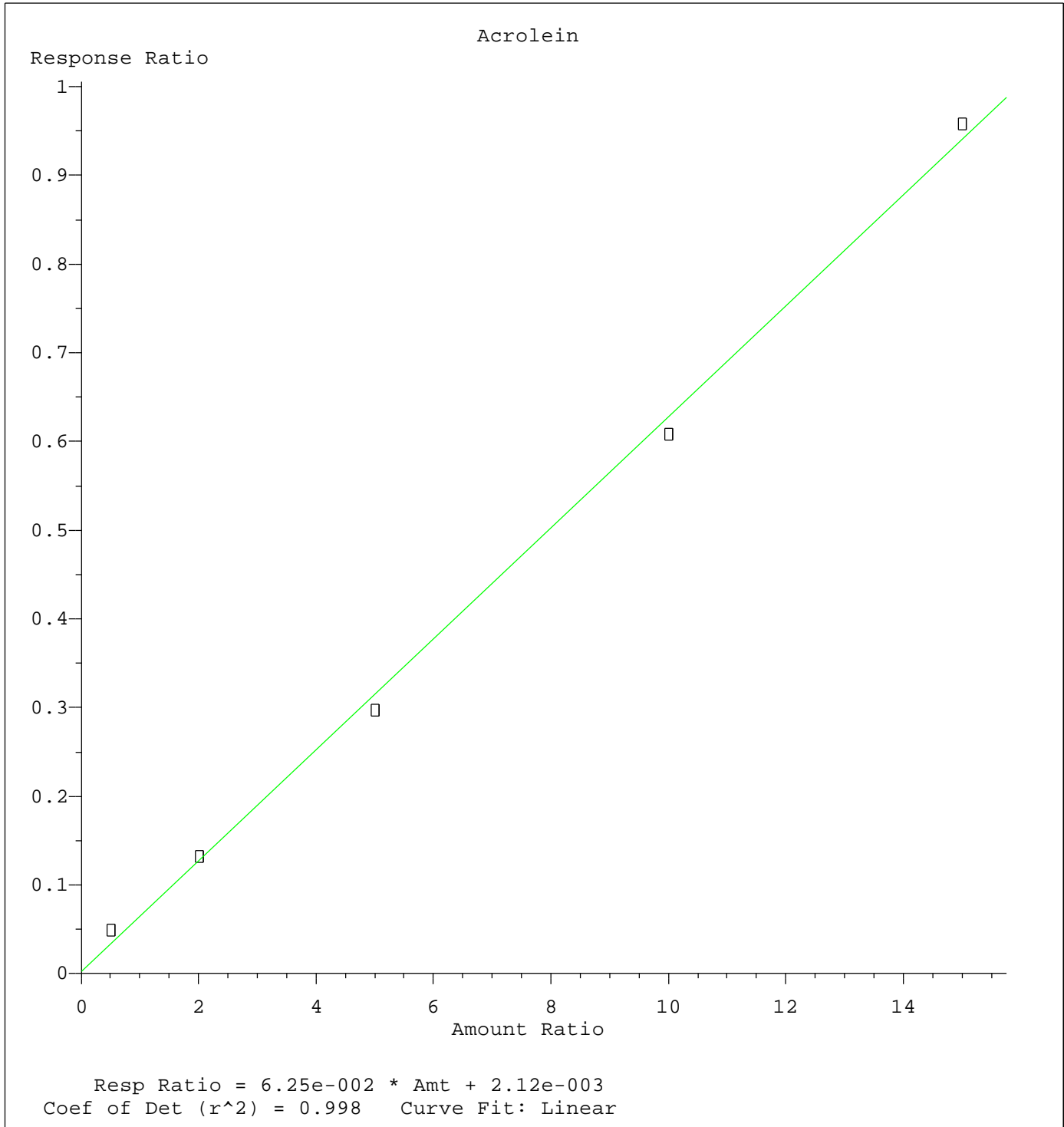
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Calibration Table Last Updated: Tue Sep 17 15:27:10 2019



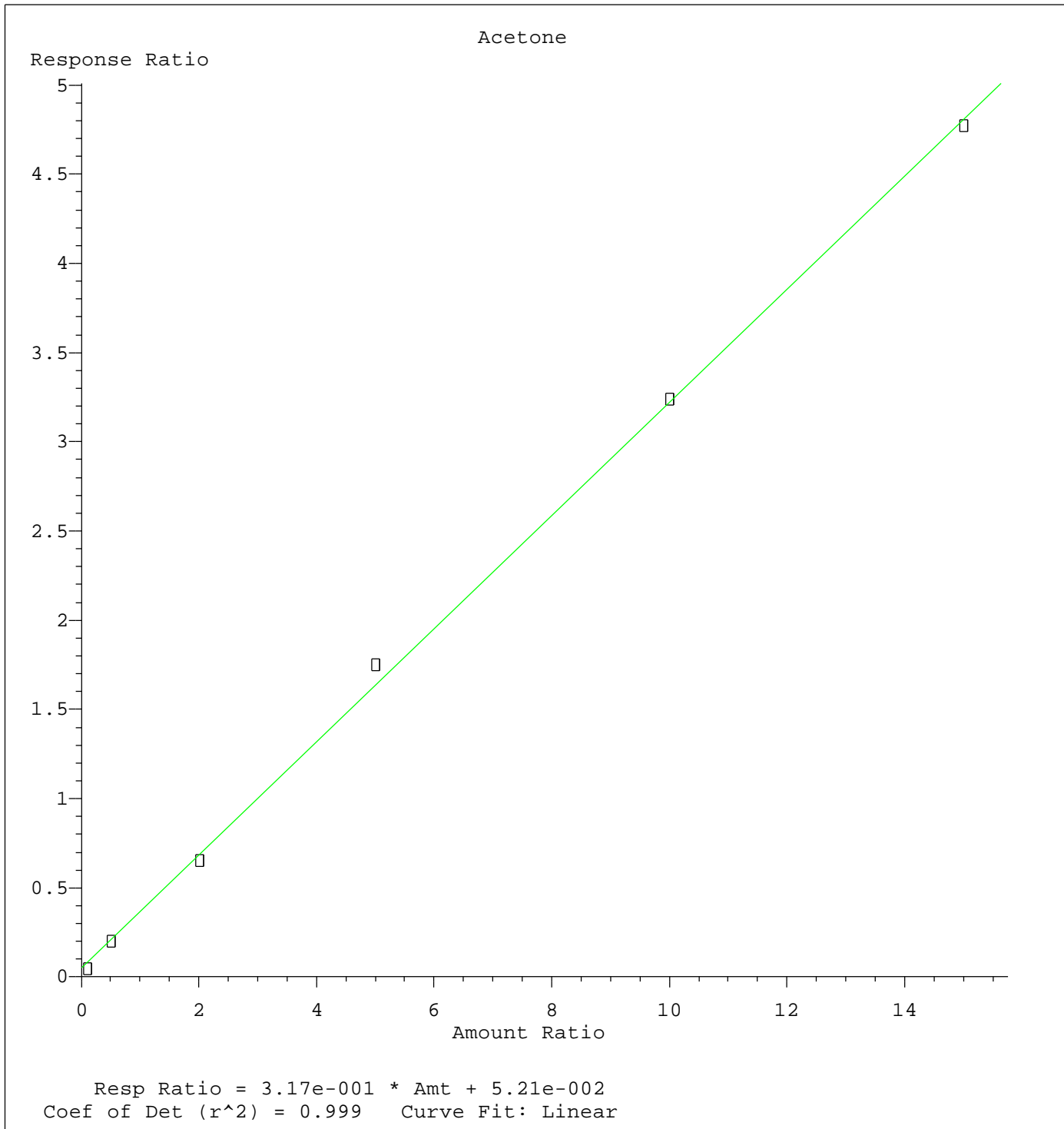
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Calibration Table Last Updated: Tue Sep 17 15:27:10 2019



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Calibration Table Last Updated: Tue Sep 17 15:27:10 2019



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Calibration Table Last Updated: Tue Sep 17 15:27:10 2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012428.D
 Acq On : 17 Sep 2019 11:59
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:02 AM

Quant Time: Sep 17 13:47:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	316395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	126969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	909	0.586	ug/l	97
3) Chloromethane	1.32	50	1140	0.848	ug/l	89
4) Vinyl Chloride	1.40	62	1103	0.744	ug/l	96
6) Chloroethane	1.72	64	1032	1.048	ug/l	91
7) Trichlorofluoromethane	1.92	101	1913	0.706	ug/l	94
8) Diethyl Ether	2.17	74	1068	0.893	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1565	0.802	ug/l	97
12) 1,1-Dichloroethene	2.36	96	1143	0.745	ug/l	98
14) Allyl chloride	2.71	41	2369	0.665	ug/l #	80
15) Acrylonitrile	3.14	53	5619	3.705	ug/l	96
16) Acetone	2.43	43	8551	5.170	ug/l	99
17) Carbon Disulfide	2.56	76	1147	0.566	ug/l #	84
18) Methyl Acetate	2.76	43	2975	0.818	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	6682	0.802	ug/l	93
20) Methylene Chloride	2.84	84	1849	0.832	ug/l #	86
21) trans-1,2-Dichloroethene	3.15	96	1248	0.757	ug/l	94
22) Diisopropyl ether	3.84	45	6724	0.822	ug/l #	76
23) Vinyl Acetate	3.80	43	23874	3.539	ug/l	99
24) 1,1-Dichloroethane	3.69	63	2919	0.713	ug/l	96
25) 2-Butanone	4.67	43	9913	4.246	ug/l	92
26) 2,2-Dichloropropane	4.56	77	3304	0.845	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	1924	0.793	ug/l	89
28) Bromochloromethane	5.00	49	1825	0.873	ug/l #	90
29) Tetrahydrofuran	5.12	42	4476	3.315	ug/l #	86
30) Chloroform	5.20	83	3930	0.832	ug/l	88
32) 1,1,1-Trichloroethane	5.48	97	2865	0.733	ug/l #	42
36) 1,1-Dichloropropene	5.79	75	2081	0.754	ug/l #	92
37) Ethyl Acetate	4.82	43	2303	0.542	ug/l #	93
38) Carbon Tetrachloride	5.77	117	2556	0.765	ug/l	99
39) Methylcyclohexane	7.45	83	1675	0.635	ug/l #	94
40) Benzene	6.14	78	6107	0.723	ug/l	94
41) Methacrylonitrile	5.04	41	2068	0.854	ug/l #	25
42) 1,2-Dichloroethane	6.18	62	3128	0.810	ug/l	94
43) Isopropyl Acetate	6.44	43	5203	0.712	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012428.D
 Acq On : 17 Sep 2019 11:59
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:02 AM

Quant Time: Sep 17 13:47:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.21	130	1585	0.698	ug/l	92
45) 1,2-Dichloropropane	7.50	63	2088	0.803	ug/l	97
46) Dibromomethane	7.66	93	1242	0.719	ug/l	90
47) Bromodichloromethane	7.89	83	2558	0.665	ug/l	85
48) Methyl methacrylate	7.76	41	2475	0.763	ug/l #	82
49) 1,4-Dioxane	7.74	88	1292	15.609	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	15948	3.374	ug/l	100
52) Toluene	8.78	92	3879	0.706	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	2420	0.607	ug/l #	85
54) cis-1,3-Dichloropropene	8.43	75	2607	0.631	ug/l #	83
55) 1,1,2-Trichloroethane	9.21	97	2119	0.729	ug/l	91
56) Ethyl methacrylate	9.18	69	2883	0.660	ug/l #	78
57) 1,3-Dichloropropane	9.37	76	3156	0.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	7026	3.017	ug/l	100
59) 2-Hexanone	9.49	43	12786	3.499	ug/l	97
60) Dibromochloromethane	9.57	129	1759	0.592	ug/l	98
61) 1,2-Dibromoethane	9.67	107	1606	0.602	ug/l	92
64) Tetrachloroethene	9.33	164	1219	0.699	ug/l	93
65) Chlorobenzene	10.14	112	4827	0.787	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.21	131	1793	0.690	ug/l #	62
67) Ethyl Benzene	10.25	91	7725	0.736	ug/l	89
68) m/p-Xylenes	10.35	106	5328	1.377	ug/l	95
69) o-Xylene	10.70	106	2713	0.676	ug/l	96
70) Styrene	10.71	104	4585	0.659	ug/l	92
71) Bromoform	10.85	173	1067	0.535	ug/l #	99
73) Isopropylbenzene	11.01	105	7771	0.900	ug/l	98
74) N-amyl acetate	10.90	43	3826	0.832	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	3042	0.880	ug/l	93
76) 1,2,3-Trichloropropane	11.29	75	2719m	0.847	ug/l	
77) Bromobenzene	11.25	156	1910	0.866	ug/l	97
78) n-propylbenzene	11.35	91	8453	0.867	ug/l	96
79) 2-Chlorotoluene	11.42	91	6054	0.969	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	6470	0.863	ug/l	97
82) 4-Chlorotoluene	11.51	91	6494	0.893	ug/l	96
83) tert-Butylbenzene	11.77	119	7545	0.949	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	6610	0.870	ug/l	96
85) sec-Butylbenzene	11.94	105	7330	0.833	ug/l	97
86) p-Isopropyltoluene	12.06	119	6837	0.849	ug/l	90
87) 1,3-Dichlorobenzene	12.02	146	3586	0.865	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	3831m	0.916	ug/l	
89) n-Butylbenzene	12.38	91	6148	0.865	ug/l	96
90) Hexachloroethane	12.59	117	1161	0.747	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	3846	0.905	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	736	0.804	ug/l	86
93) 1,2,4-Trichlorobenzene	13.64	180	2170	0.766	ug/l	94
94) Hexachlorobutadiene	13.77	225	1171	0.864	ug/l	90
95) Naphthalene	13.83	128	7035	0.727	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	2248	0.797	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012428.D
 Acq On : 17 Sep 2019 11:59
 Operator : JC/SP
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
ClientSampleId :
 VSTDICC001

Manual Integrations
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 9/18/2019 11:22:02 AM

Quant Time: Sep 17 13:47:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min)

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

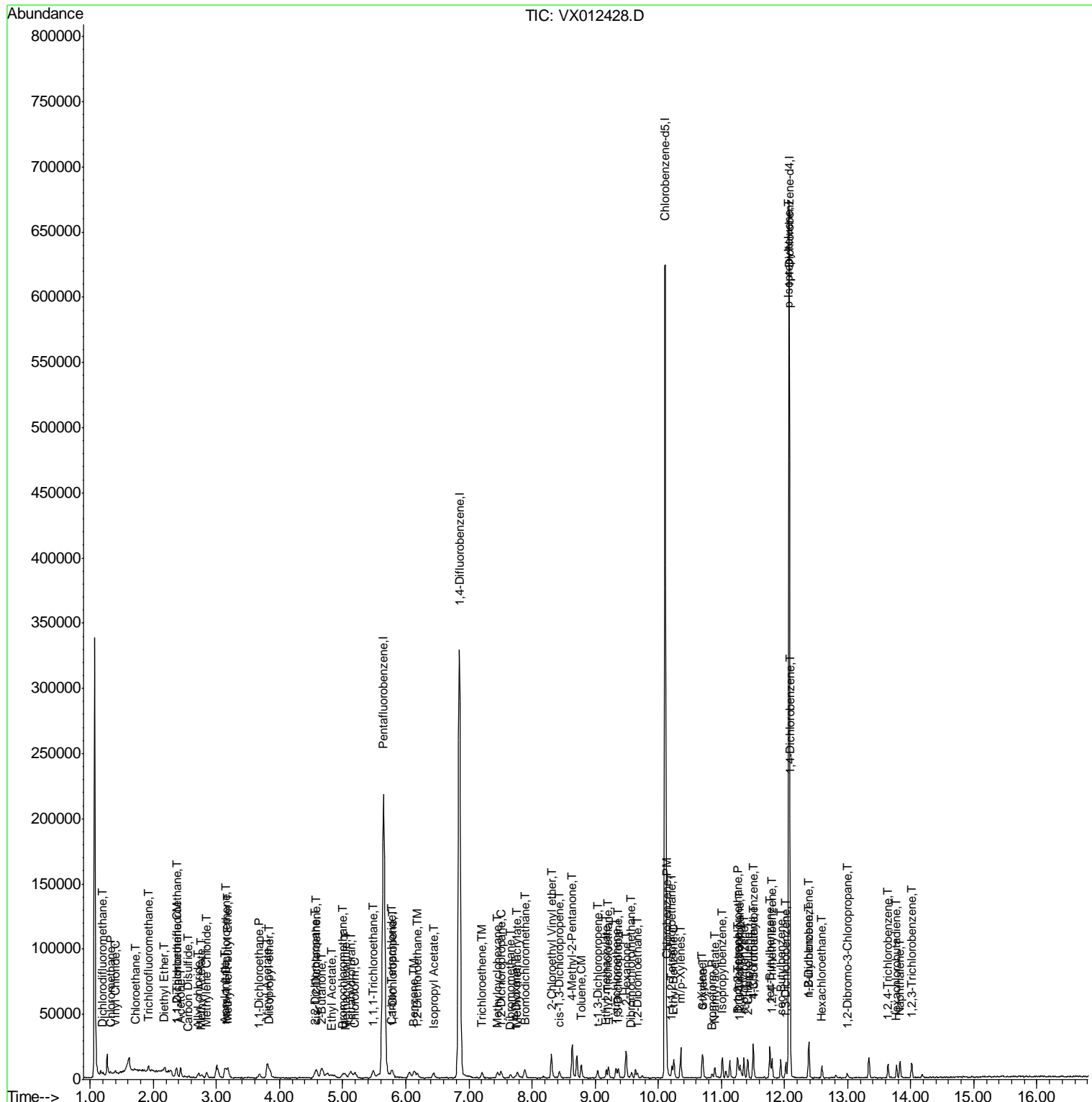
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012428.D
 Acq On : 17 Sep 2019 11:59
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

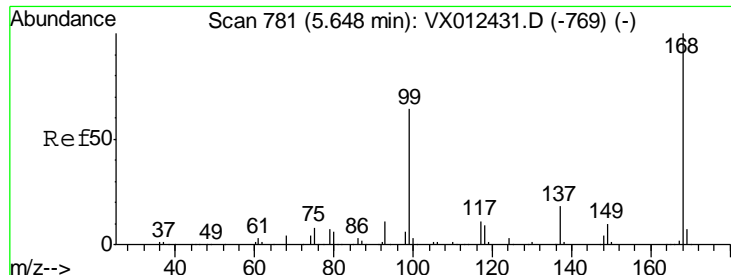
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC001

Quant Time: Sep 17 13:47:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Manual Integrations
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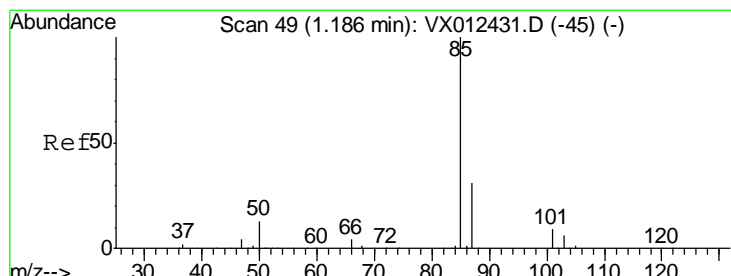
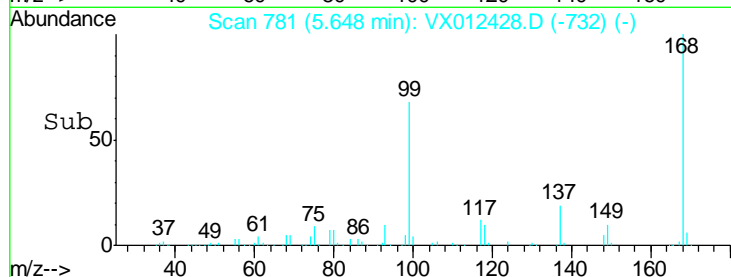
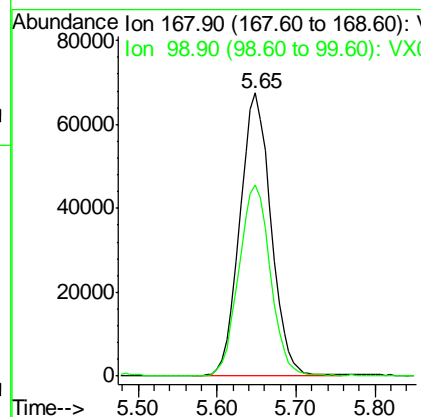
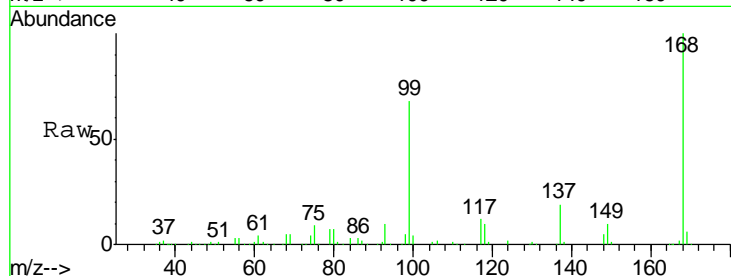
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
168	100		
99	67.6	51.4	77.2

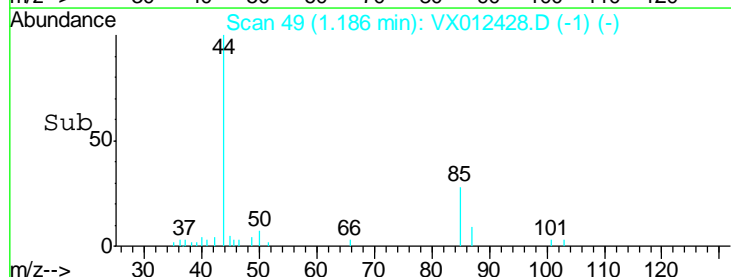
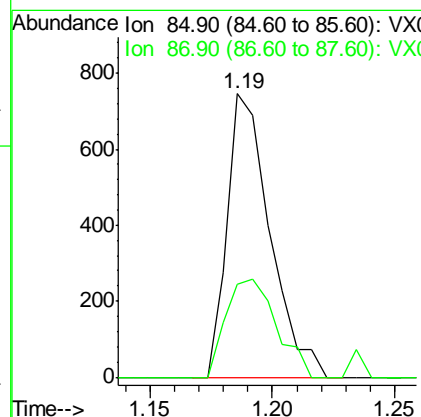
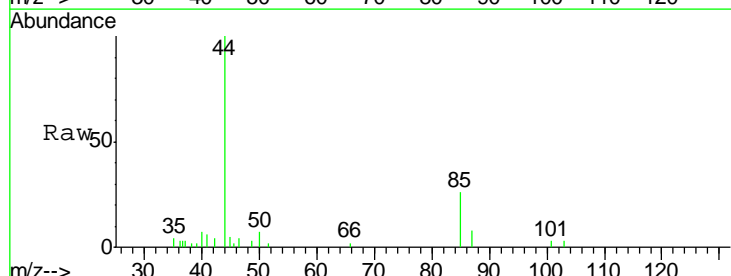
Manual Integrations
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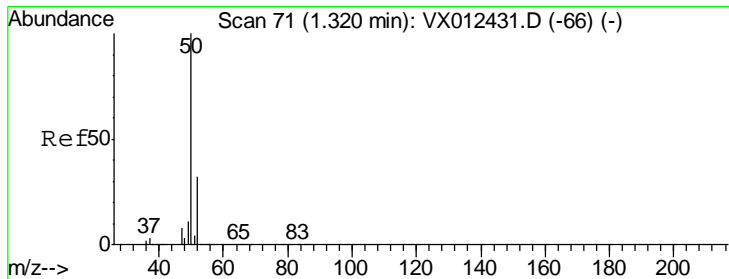
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#2
 Dichlorodifluoromethane
 Concen: 0.586 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.7	15.6	46.8



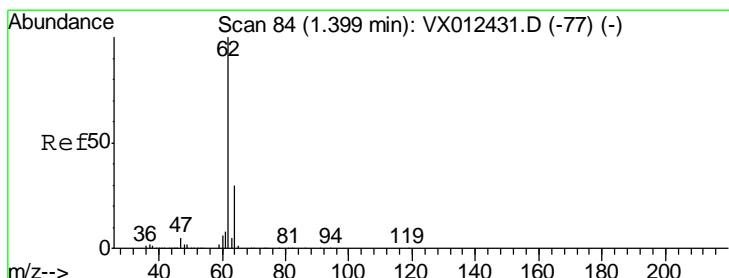
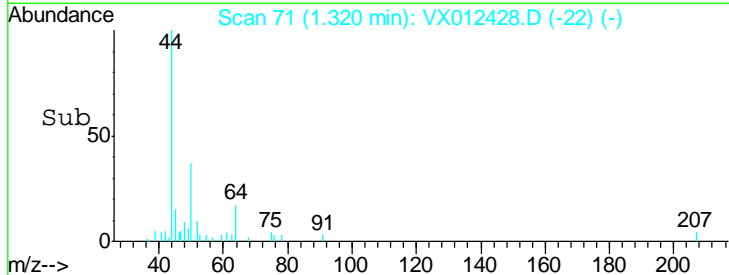
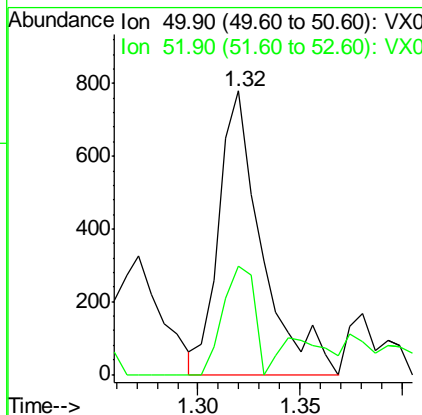
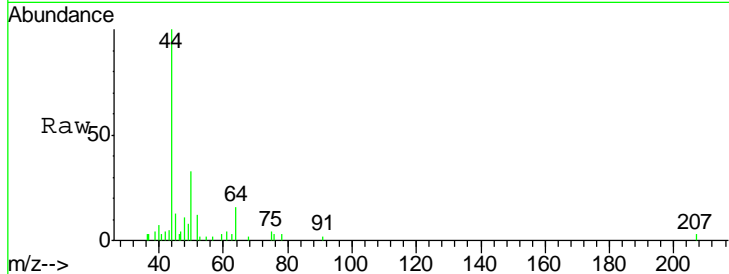


#3
 Chloromethane
 Concen: 0.848 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
50	1140		
50	100		
52	38.1	25.7	38.5

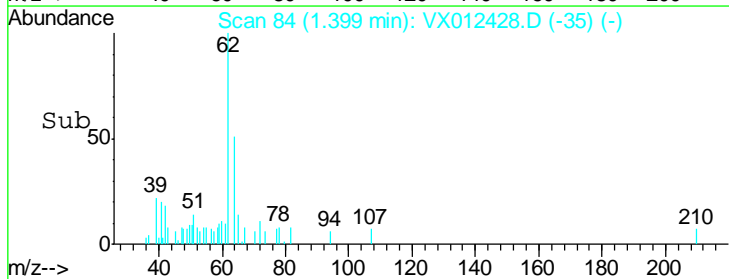
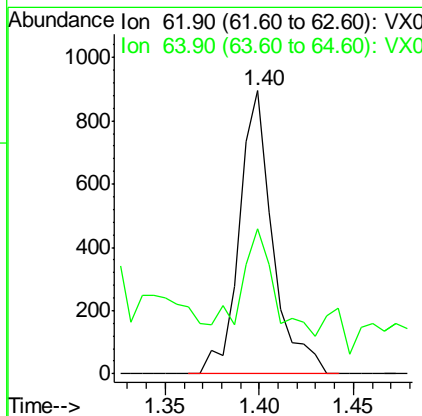
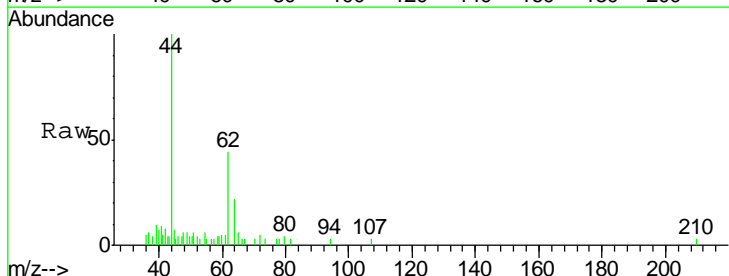
Instrument : MSVOA_X
 ClientSampled : VSTDIC001

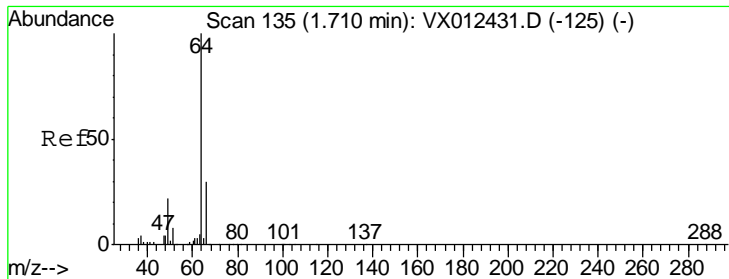
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#4
 Vinyl Chloride
 Concen: 0.744 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
62	1103		
62	100		
64	28.2	24.2	36.2





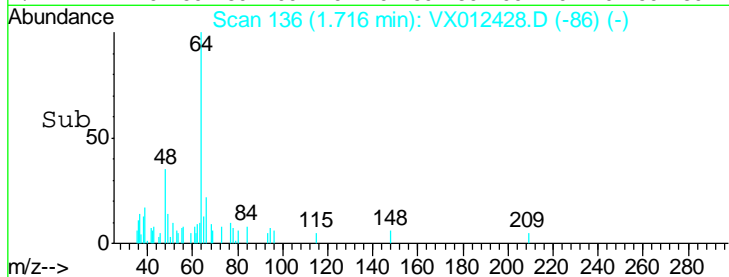
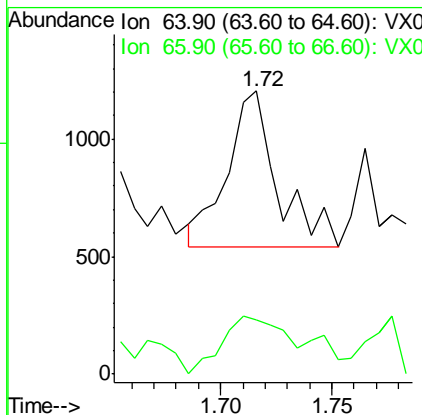
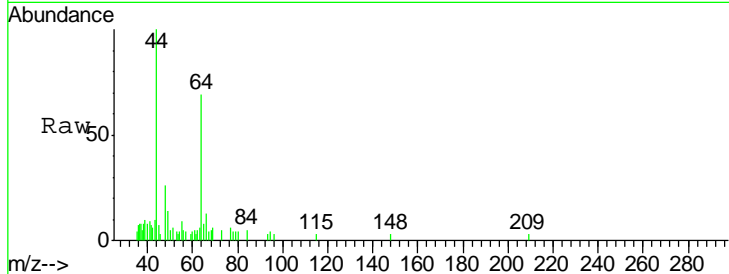
#6
 Chloroethane
 Concen: 1.048 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
64	1032		
64	100		
66	34.7	24.0	36.0

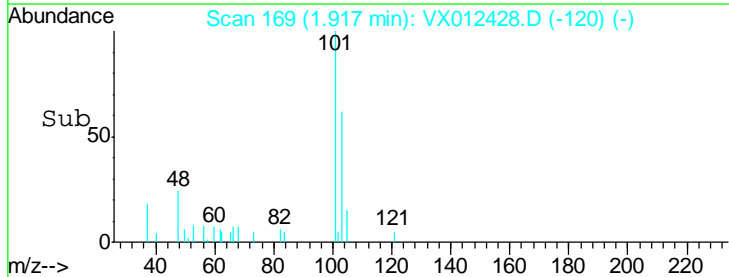
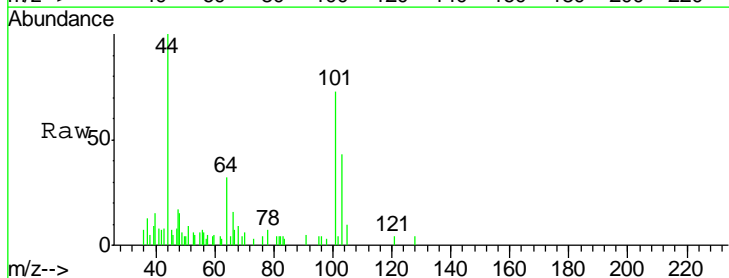
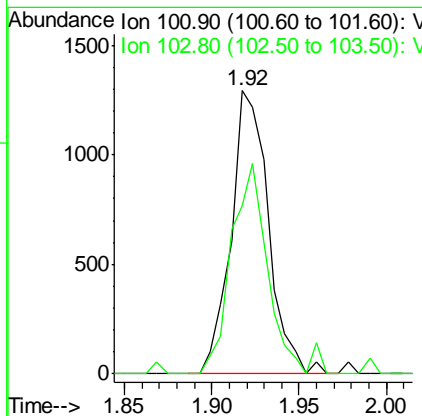
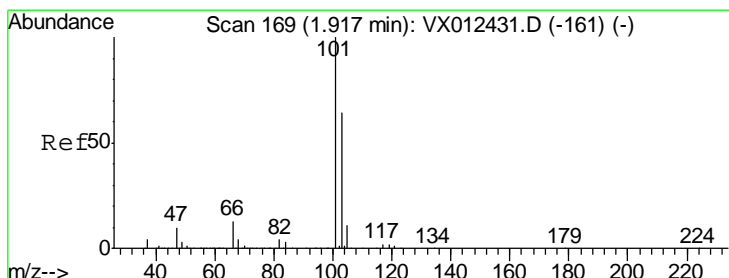
Manual Integrations
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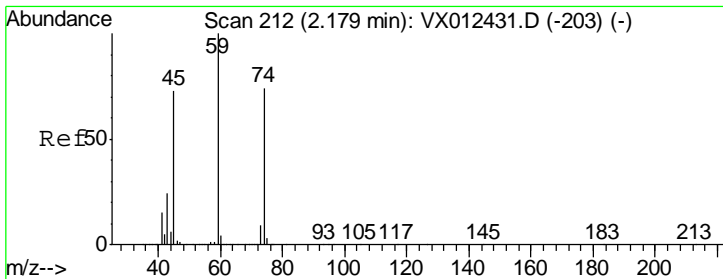
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#7
 Trichlorofluoromethane
 Concen: 0.706 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
101	1913		
101	100		
103	59.2	51.0	76.4





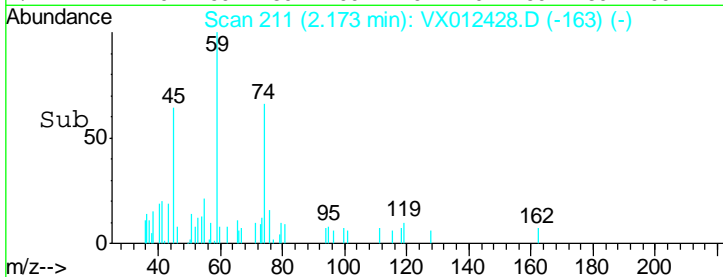
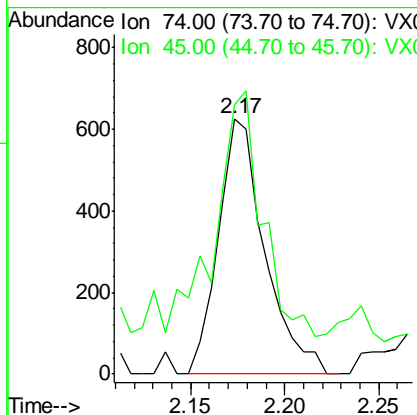
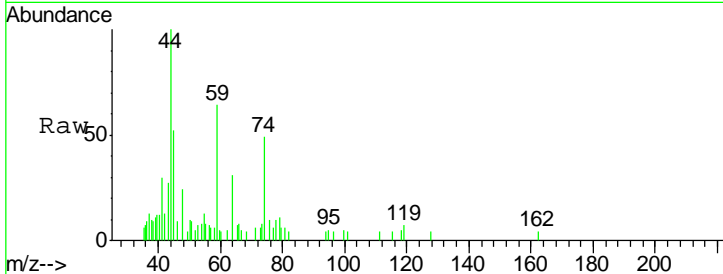
#8
 Diethyl Ether
 Concen: 0.893 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
74	1068		
74	100		
45	110.9	49.9	149.7

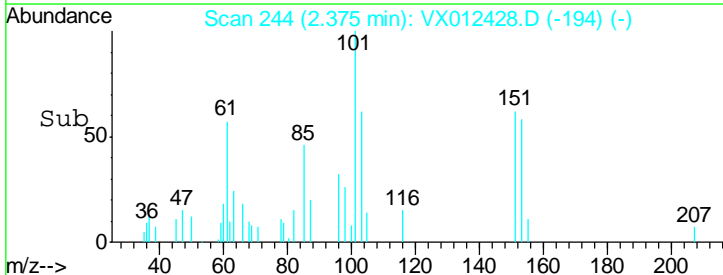
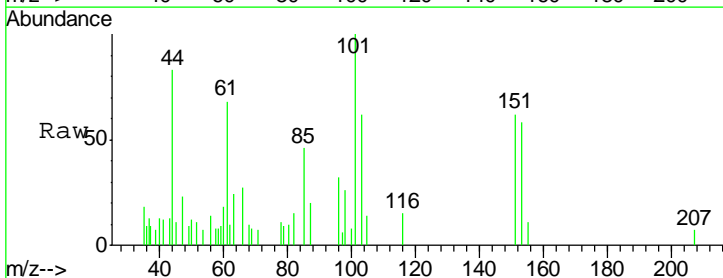
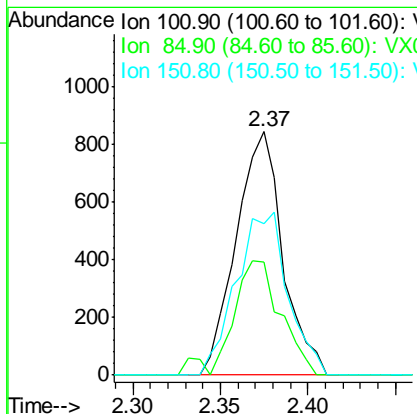
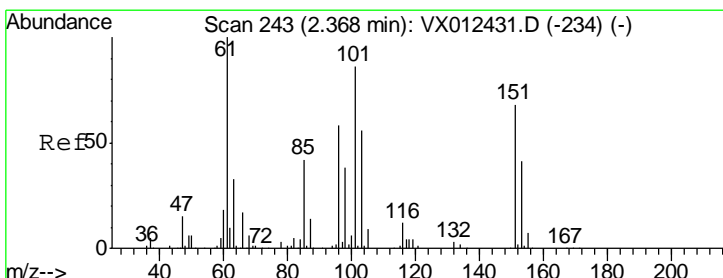
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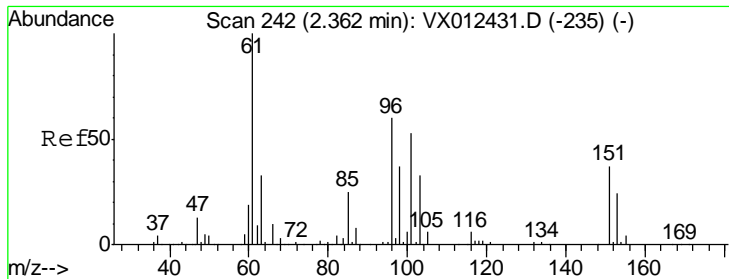
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#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.802 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
101	1565		
101	100		
85	48.4	37.3	55.9
151	74.1	61.0	91.4





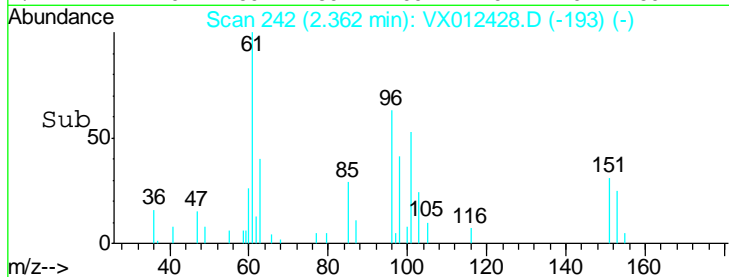
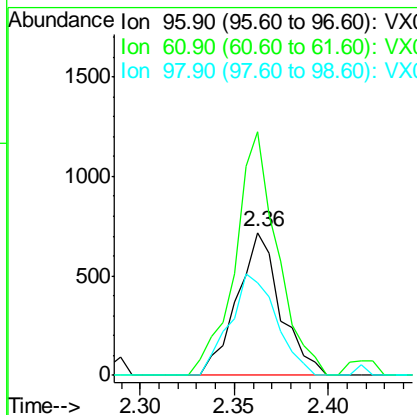
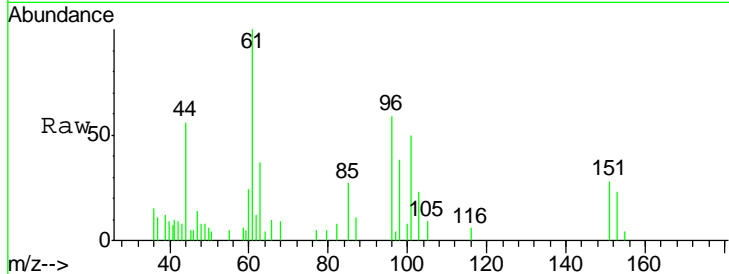
#12
 1,1-Dichloroethene
 Concen: 0.745 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
96	1143		
96	100		
61	170.5	133.8	200.6
98	64.5	49.9	74.9

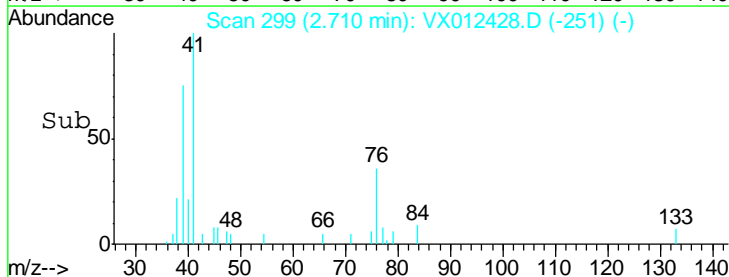
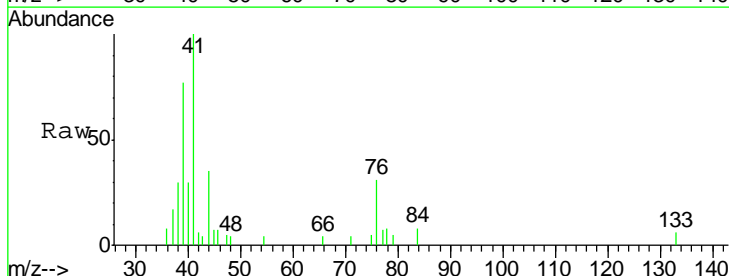
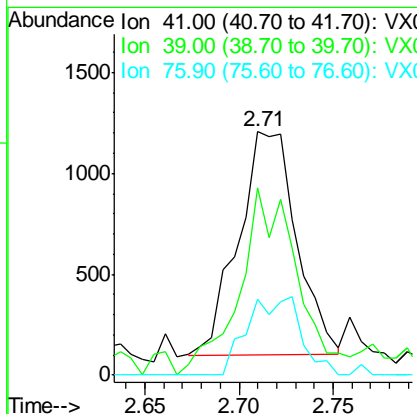
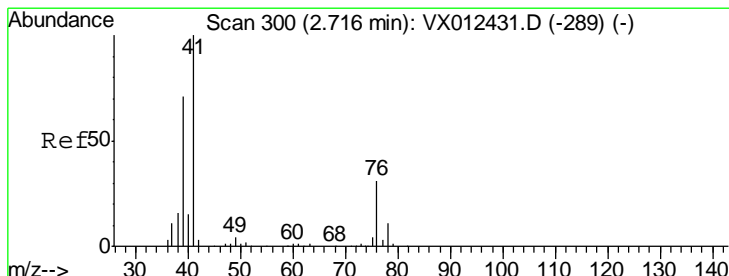
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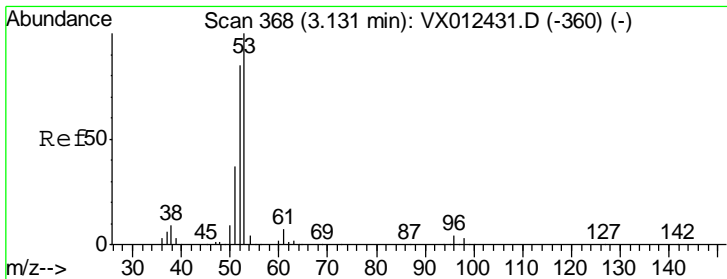
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#14
 Allyl chloride
 Concen: 0.665 ug/l
 RT: 2.71 min Scan# 299
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
41	2369		
41	100		
39	83.7	51.3	76.9#
76	32.5	22.6	33.8





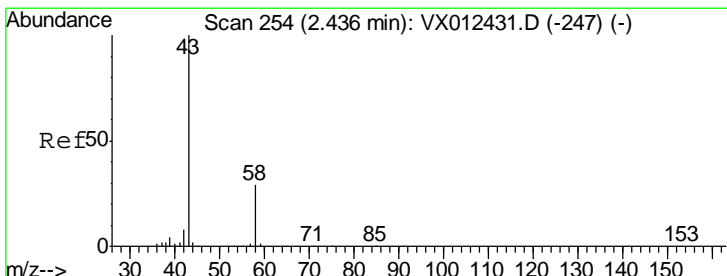
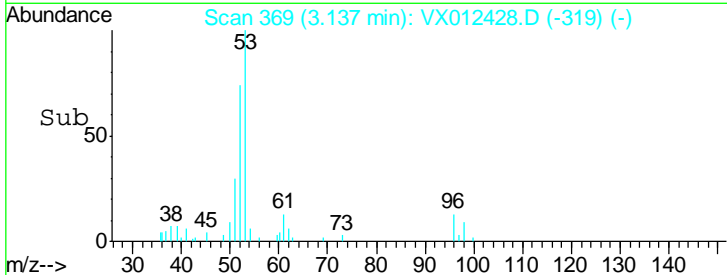
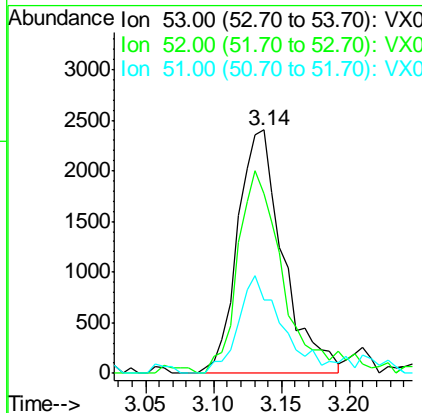
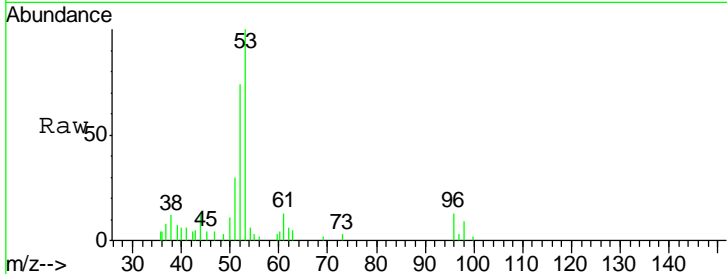
#15
 Acrylonitrile
 Concen: 3.705 ug/l
 RT: 3.14 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
53	100		
52	79.5	67.0	100.4
51	39.4	29.6	44.4

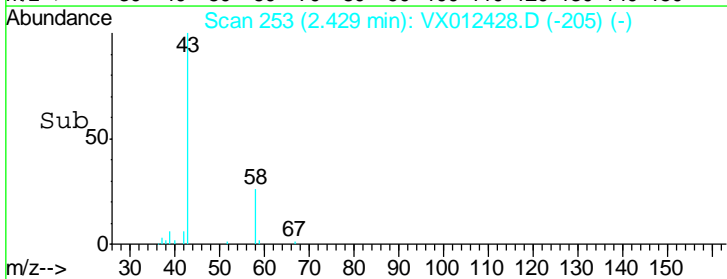
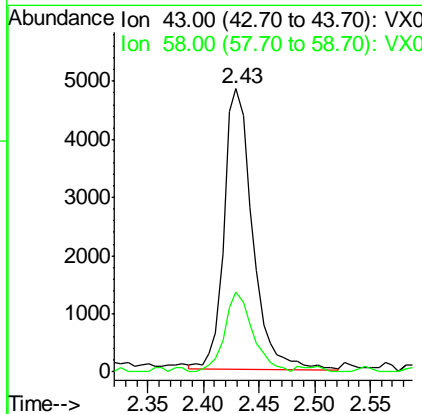
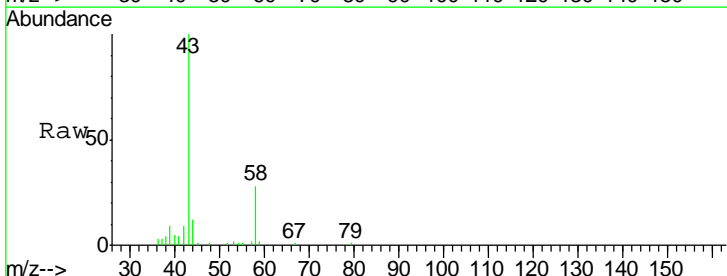
Manual Integrations
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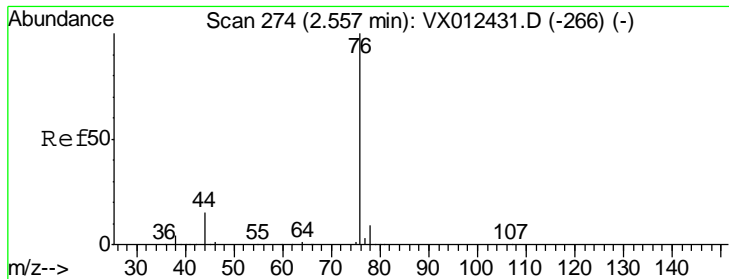
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#16
 Acetone
 Concen: 5.170 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.8	23.3	34.9





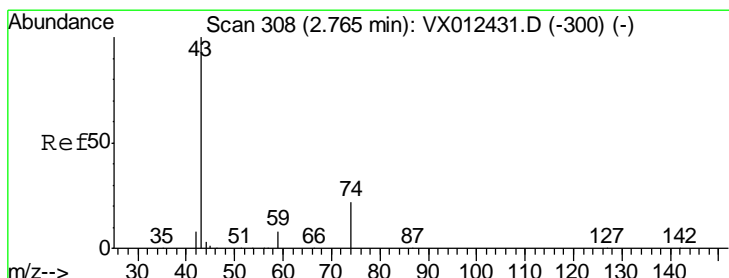
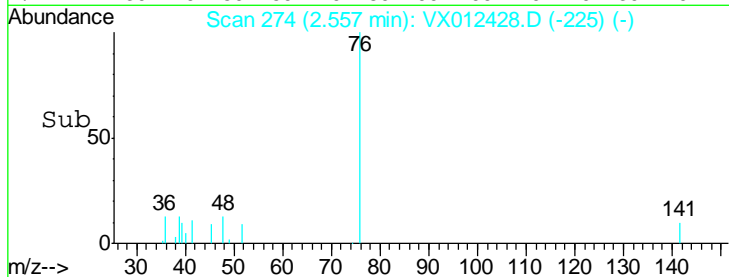
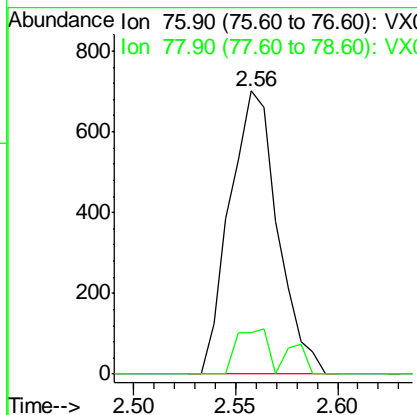
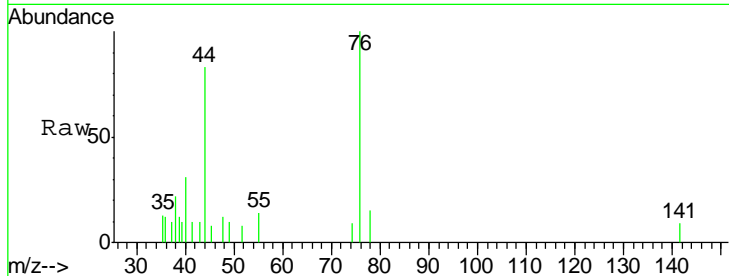
#17
 Carbon Disulfide
 Concen: 0.566 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
76	1147		
76	100		
78	14.8	7.3	10.9#

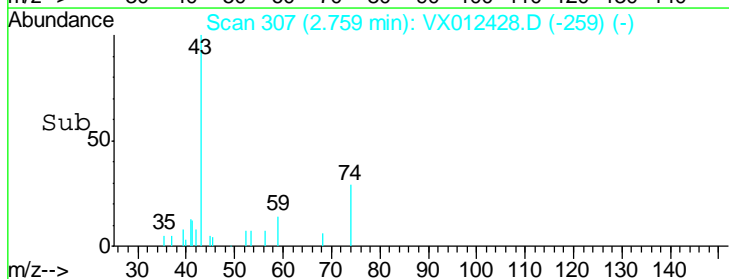
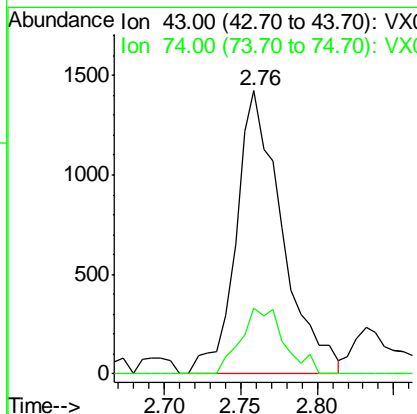
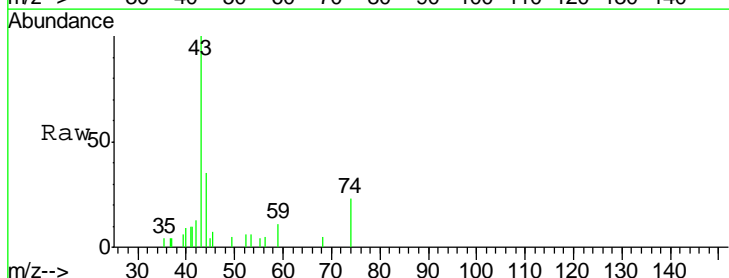
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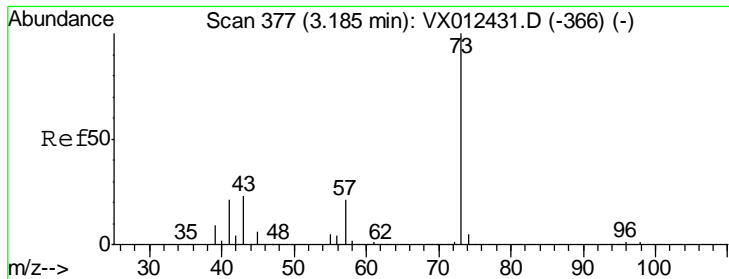
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#18
 Methyl Acetate
 Concen: 0.818 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
43	2975		
43	100		
74	22.0	17.7	26.5



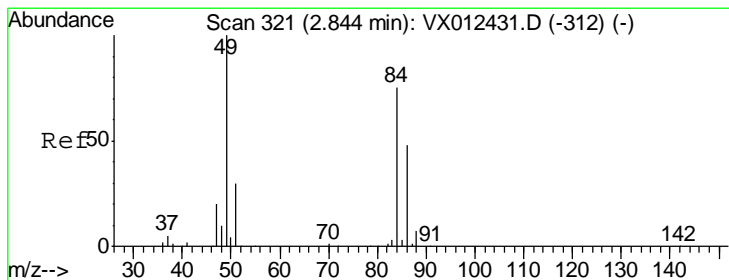
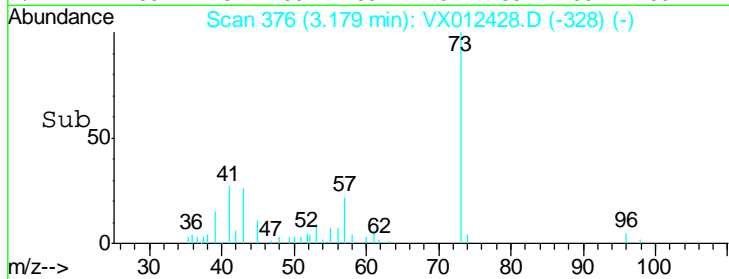
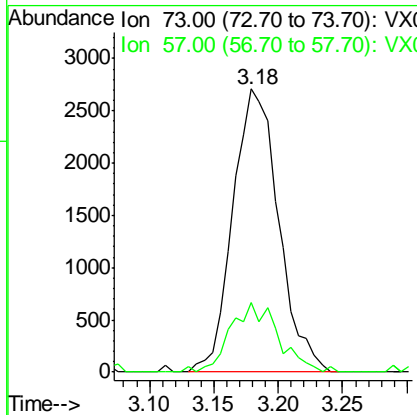
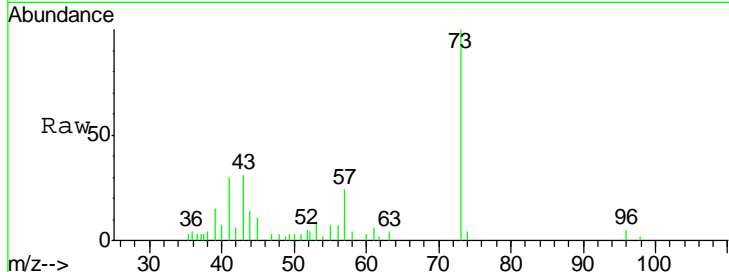


#19
 Methyl tert-butyl Ether
 Concen: 0.802 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
73	100		
57	24.5	16.8	25.2

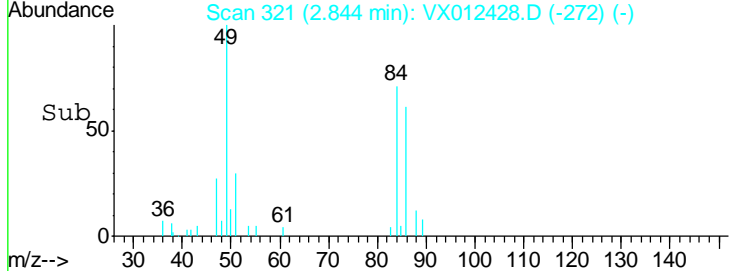
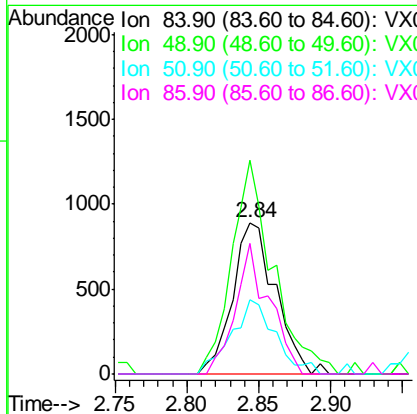
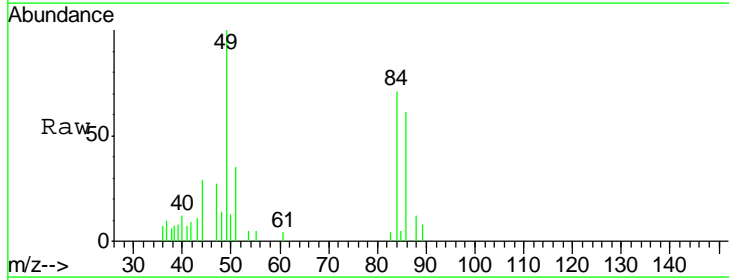
Instrument : MSVOA_X
 Client Sampled : VSTDIC001

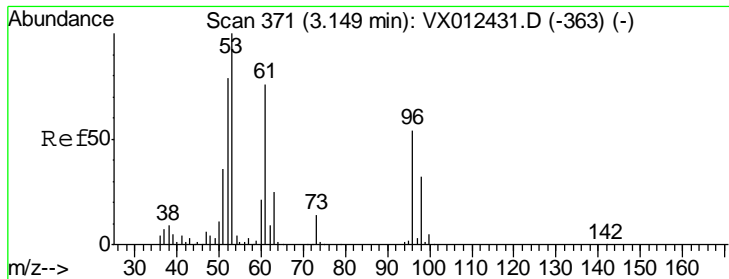
Manual Integrations APPROVED
 MMDadoda
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#20
 Methylene Chloride
 Concen: 0.832 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

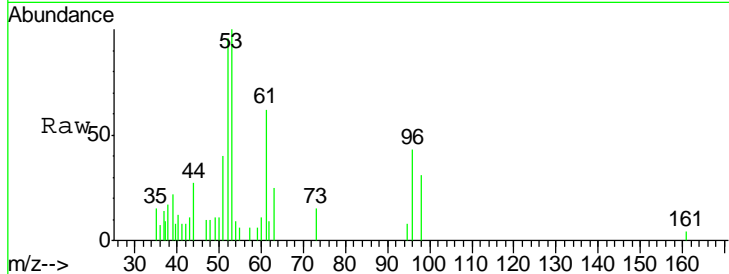
Tgt Ion	Resp	Lower	Upper
84	100		
49	141.3	106.8	160.2
51	49.1	32.3	48.5#
86	86.1	51.3	76.9#





#21
 trans-1,2-Dichloroethene
 Concen: 0.757 ug/l
 RT: 3.15 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

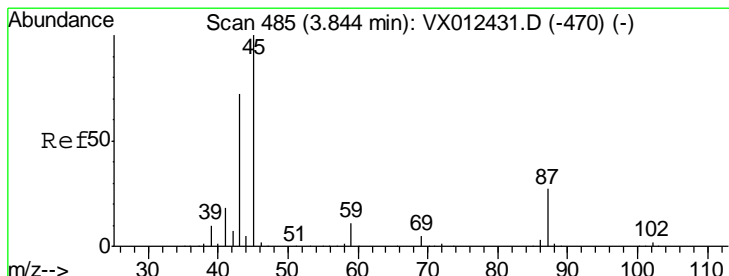
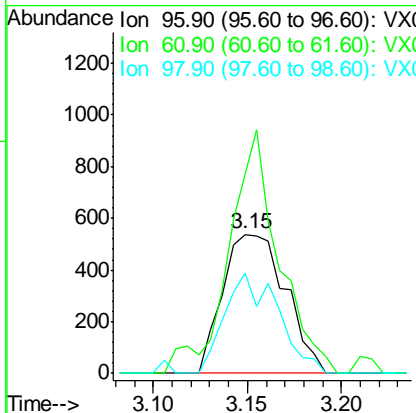
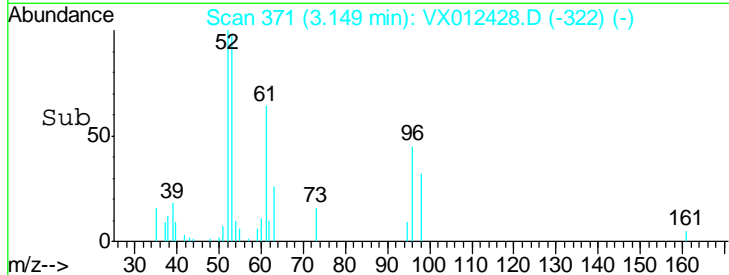
Instrument : MSVOA_X
 Client Sampled : VSTDIC001



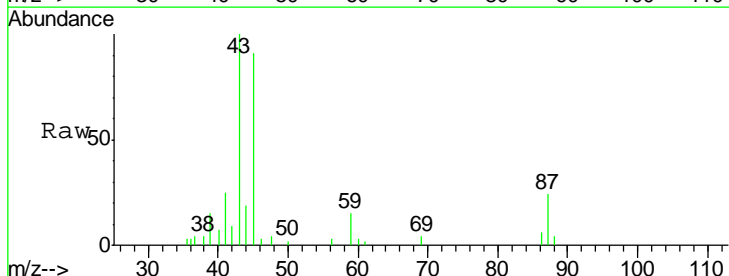
Tgt Ion: 96 Resp: 1248

Ion	Ratio	Lower	Upper
96	100		
61	142.5	112.0	168.0
98	71.6	47.8	71.8

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 MMDadoda
 9/18/2019 11:22:02 AM

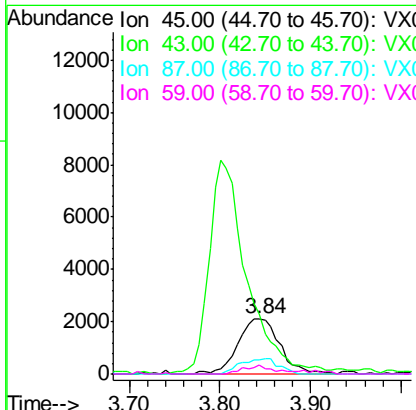
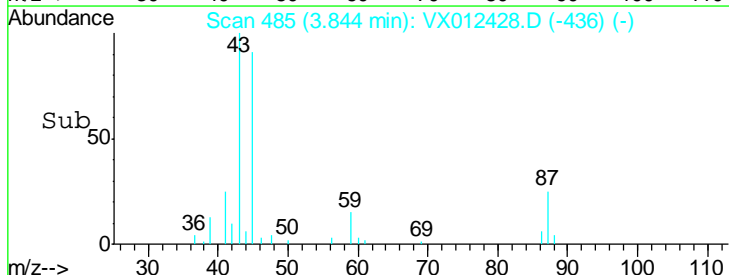


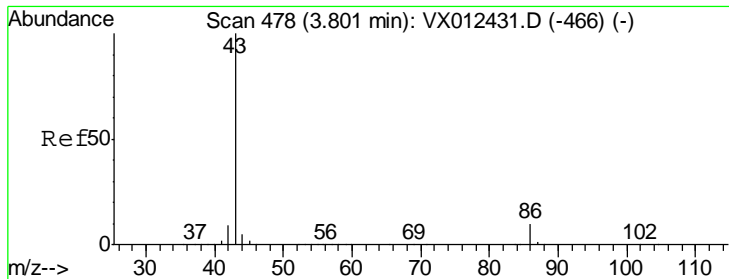
#22
 Diisopropyl ether
 Concen: 0.822 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59



Tgt Ion: 45 Resp: 6724

Ion	Ratio	Lower	Upper
45	100		
43	100.5	57.8	86.8#
87	26.4	21.3	31.9
59	16.0	8.5	12.7#



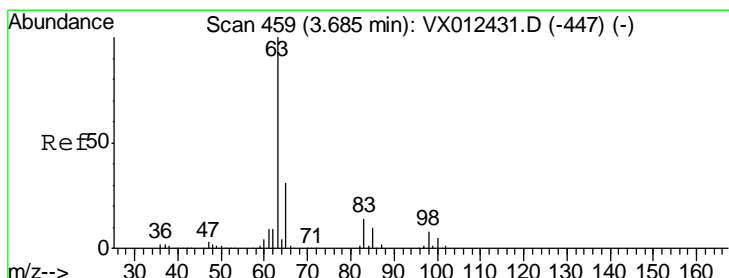
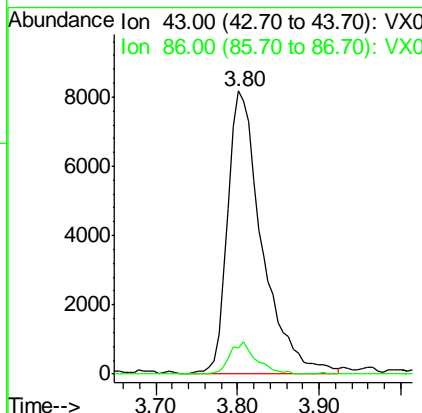
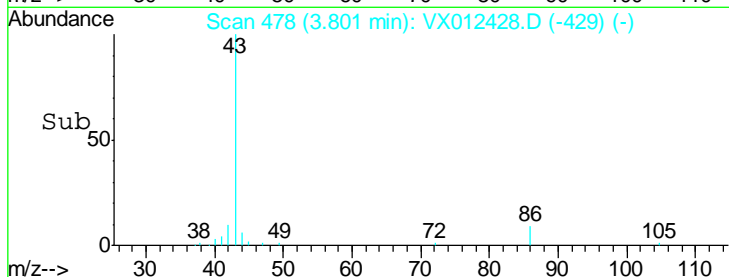
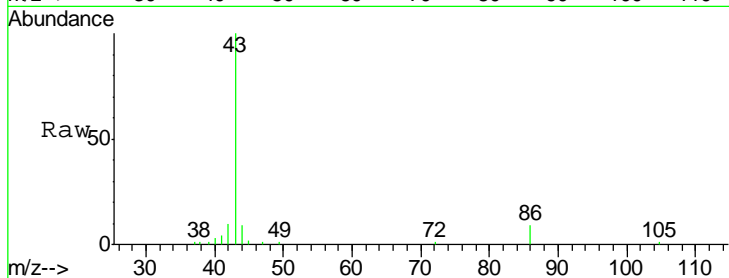


#23
 Vinyl Acetate
 Concen: 3.539 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
43	100		
86	9.4	7.8	11.8

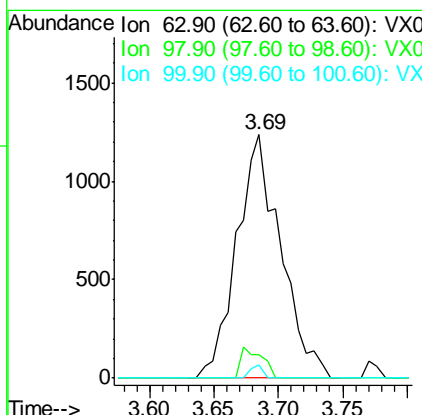
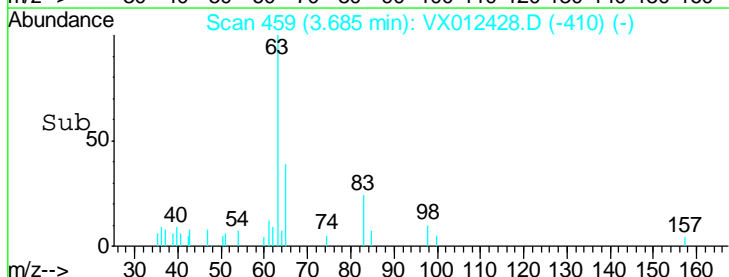
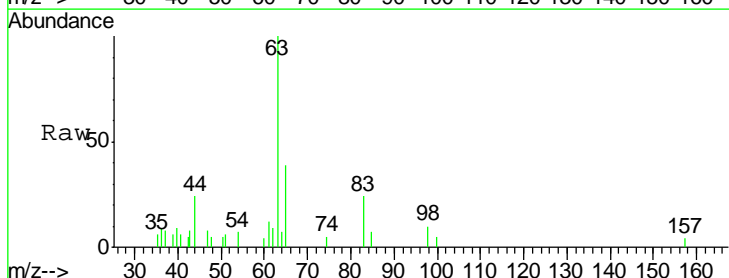
Instrument : MSVOA_X
 ClientSampled : VSTDIC001

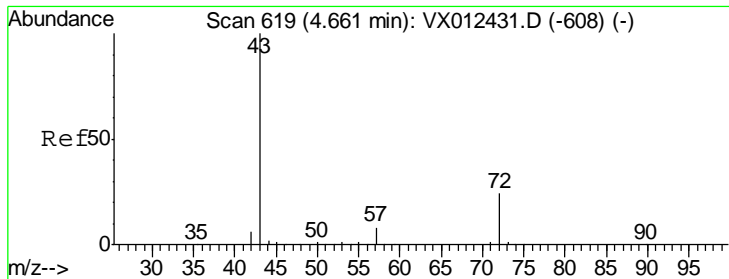
Manual Integrations APPROVED
 MMDadoda
 9/18/2019 11:22:02 AM



#24
 1,1-Dichloroethane
 Concen: 0.713 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
63	100		
98	9.7	3.9	11.7
100	5.5	2.3	6.9





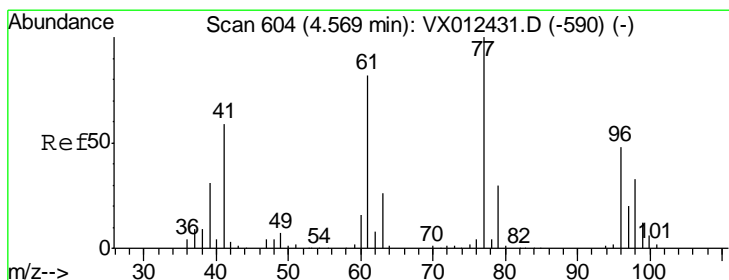
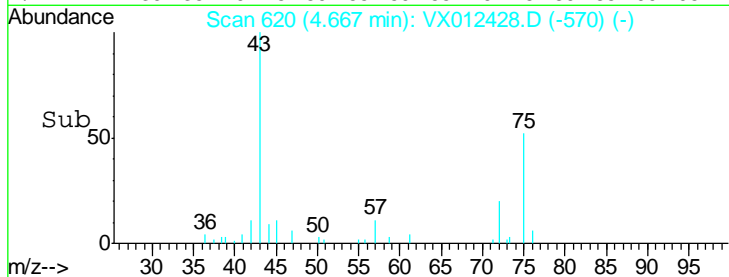
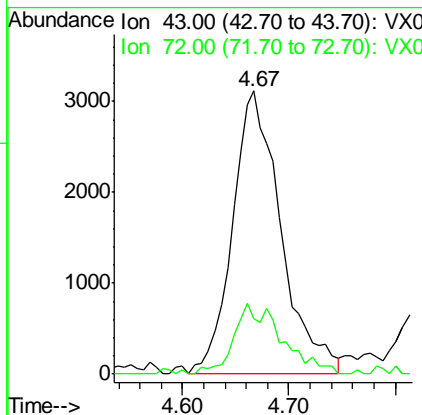
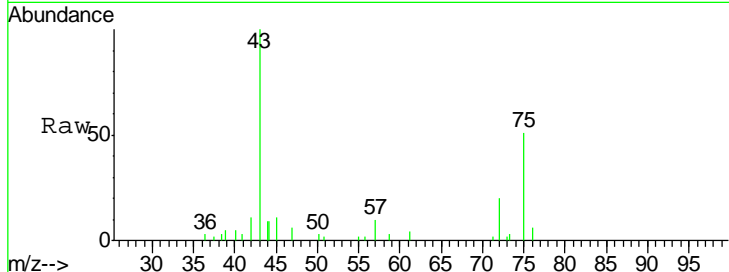
#25
 2-Butanone
 Concen: 4.246 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.8	19.2	28.8

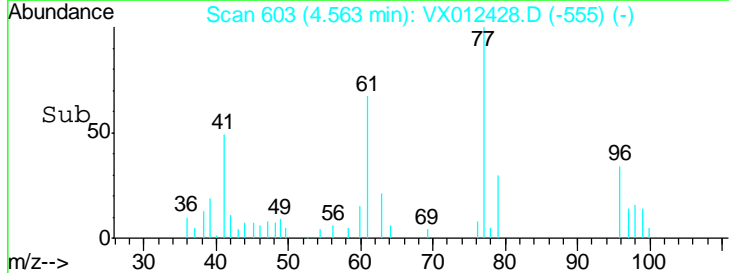
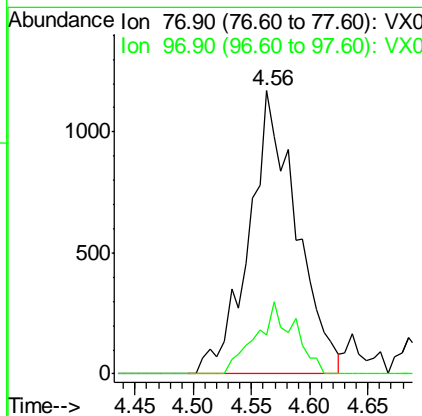
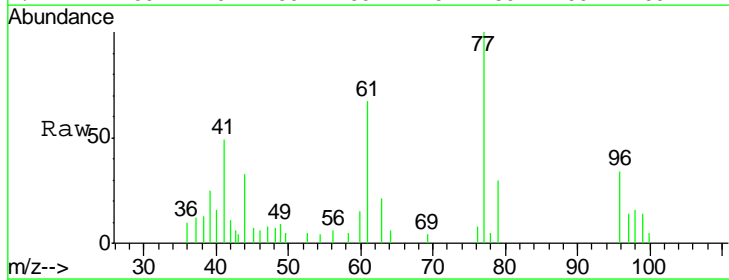
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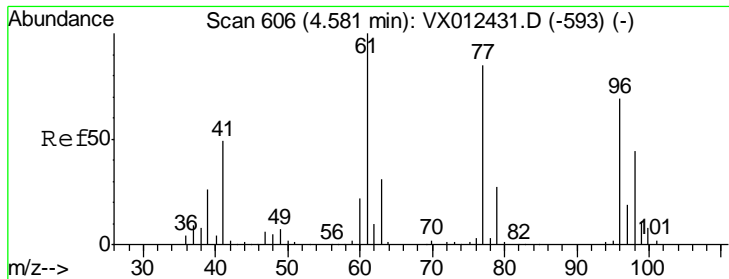
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#26
 2,2-Dichloropropane
 Concen: 0.845 ug/l
 RT: 4.56 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.5	31.6





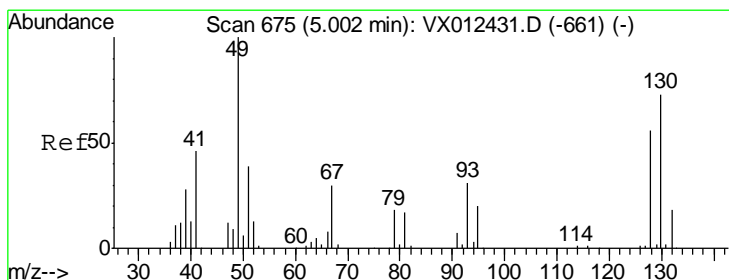
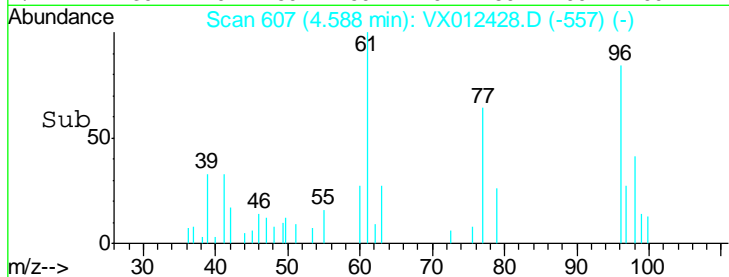
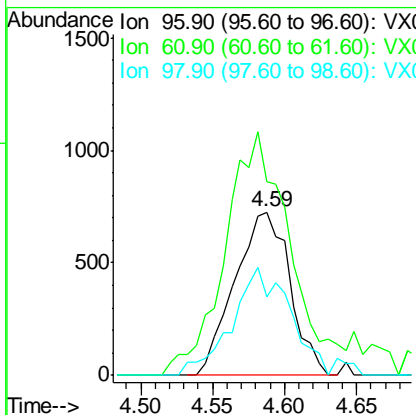
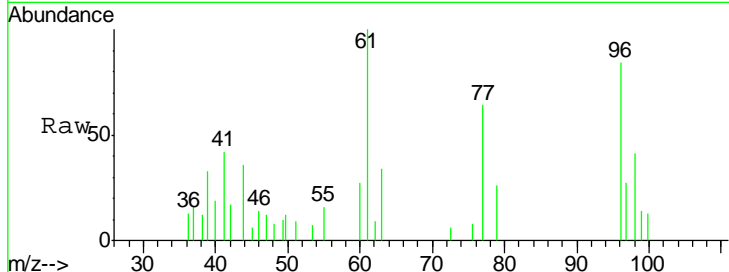
#27
 cis-1,2-Dichloroethene
 Concen: 0.793 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
96	1924		
96	100		
61	176.6	0.0	319.4
98	69.5	0.0	130.6

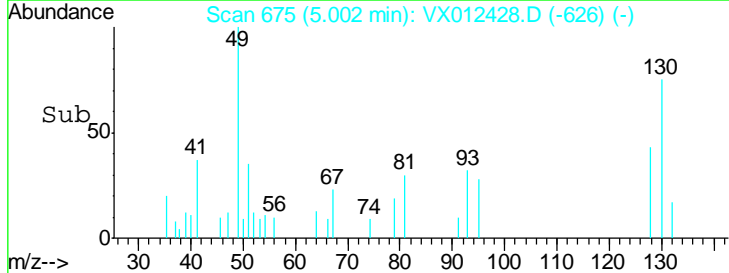
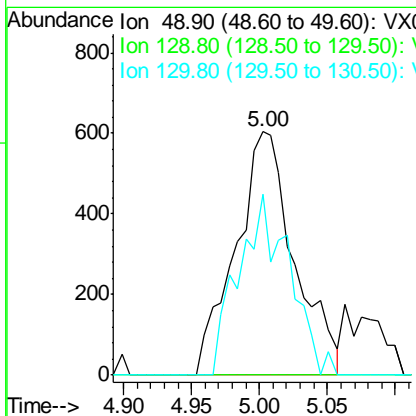
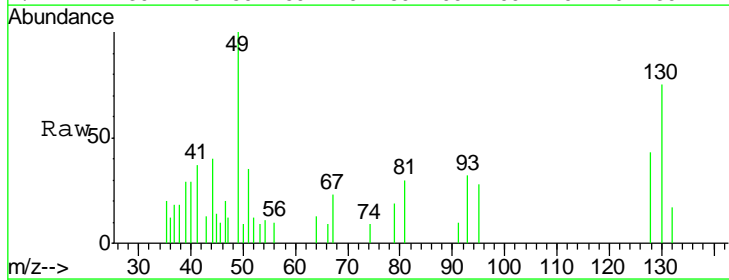
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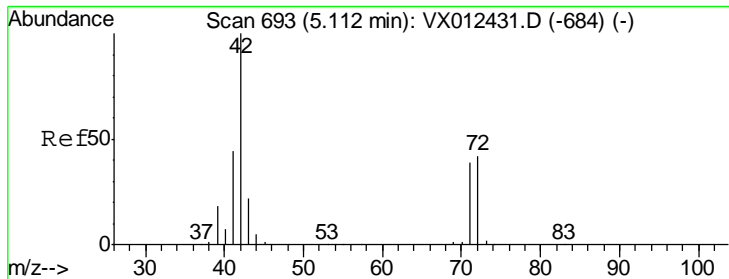
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#28
 Bromochloromethane
 Concen: 0.873 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
49	1825		
49	100		
129	0.0	0.0	3.8
130	64.1	58.2	87.4





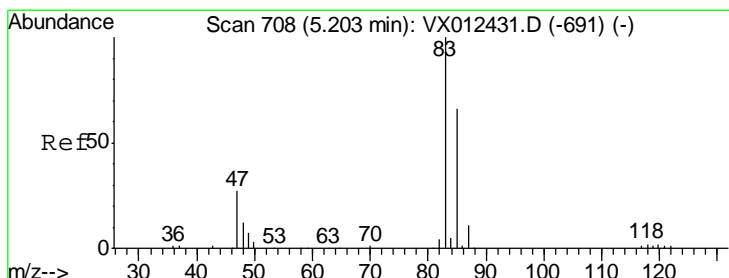
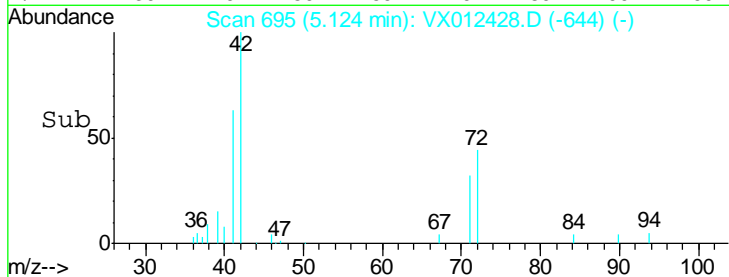
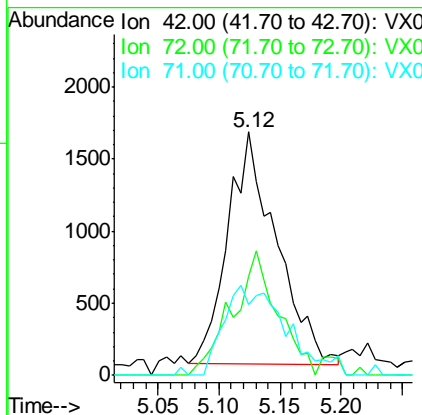
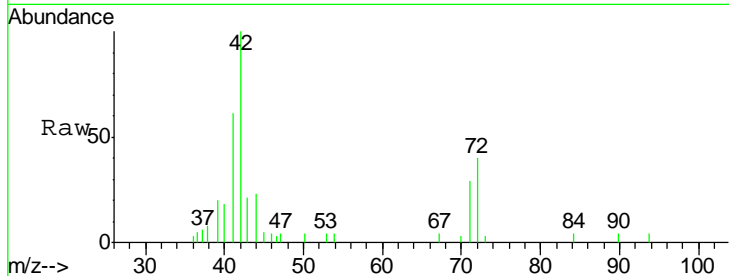
#29
 Tetrahydrofuran
 Concen: 3.315 ug/l
 RT: 5.12 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
42	100		
72	50.0	34.0	51.0
71	48.9	31.5	47.3

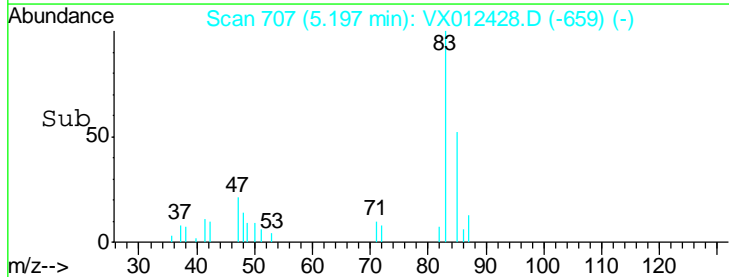
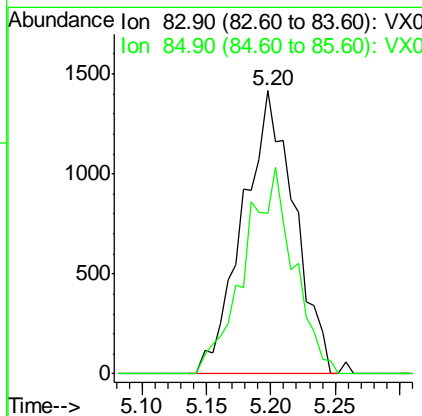
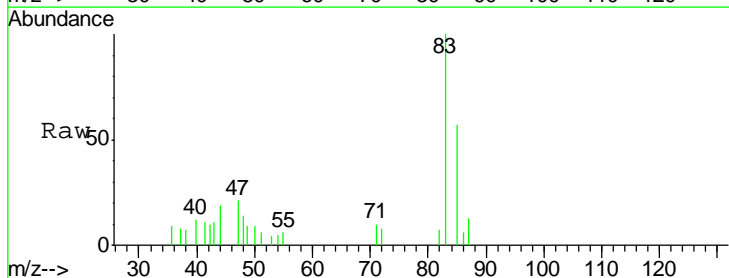
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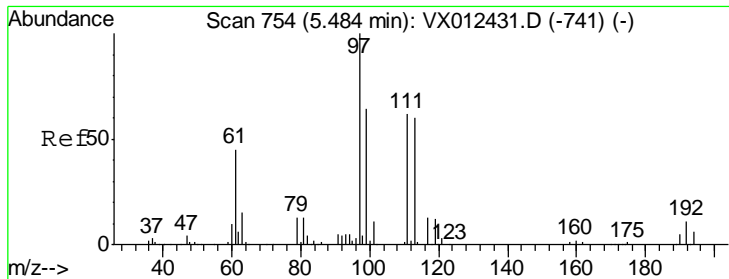
MMDadoda
 9/18/2019 11:22:02 AM



#30
 Chloroform
 Concen: 0.832 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
83	100		
85	56.7	53.0	79.4





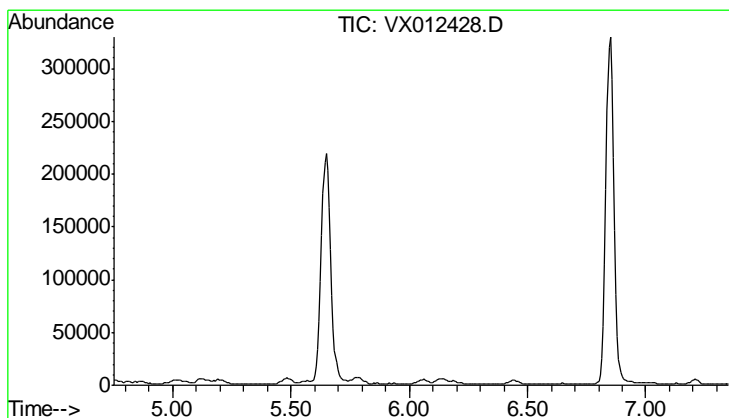
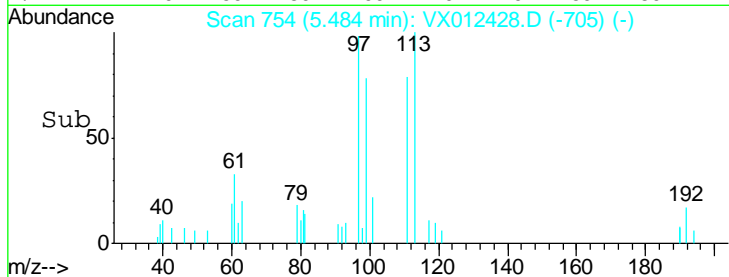
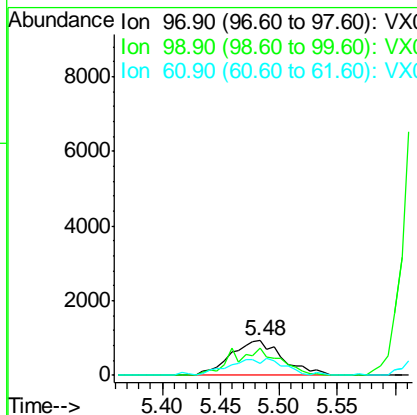
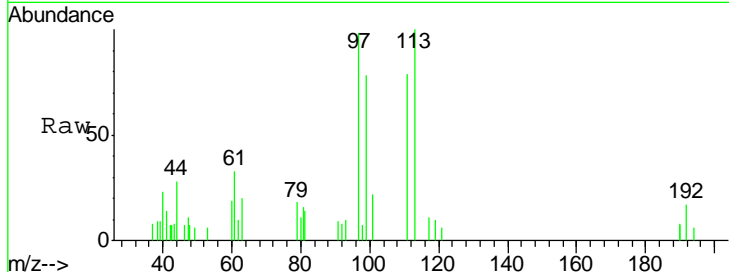
#32
 1,1,1-Trichloroethane
 Concen: 0.733 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	29.5	36.1	54.1#

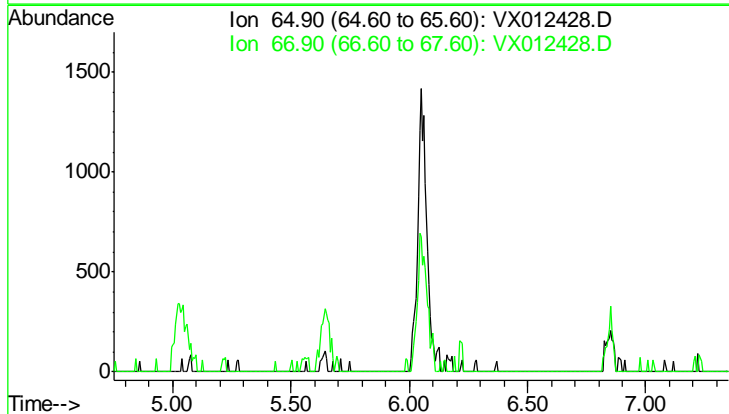
Manual Integrations
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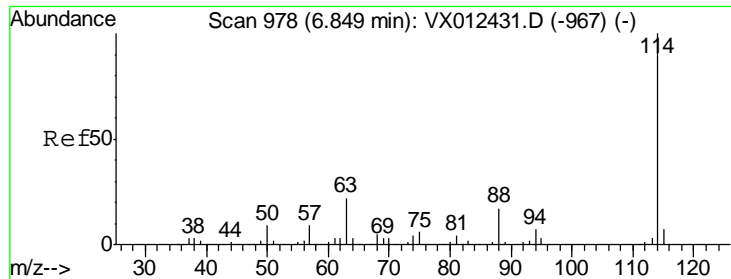
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#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 6.05 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Sig	Exp Ratio
65		100
67		50.6





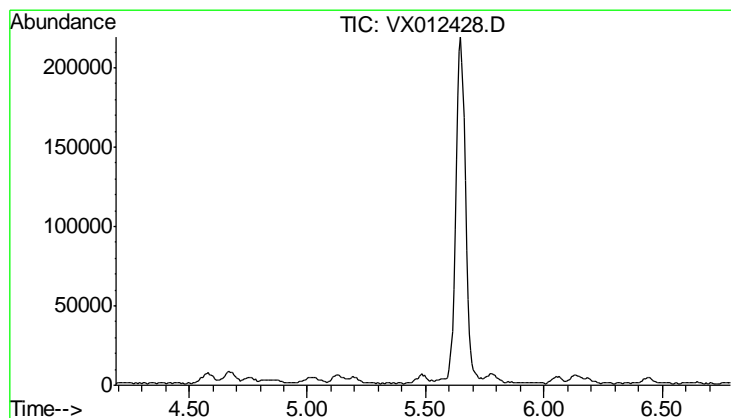
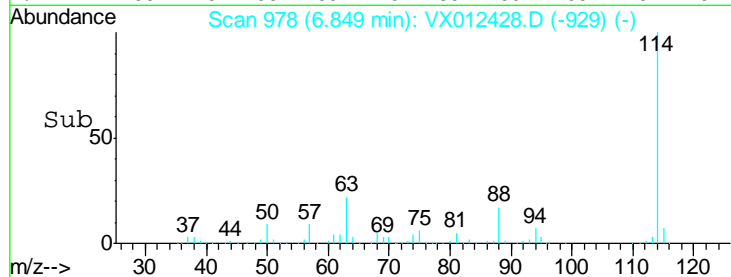
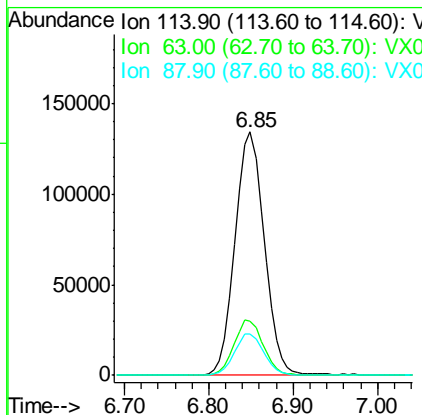
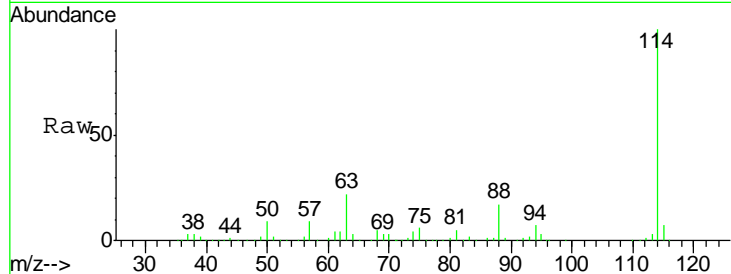
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
114	100		
63	22.2	0.0	43.2
88	17.2	0.0	33.2

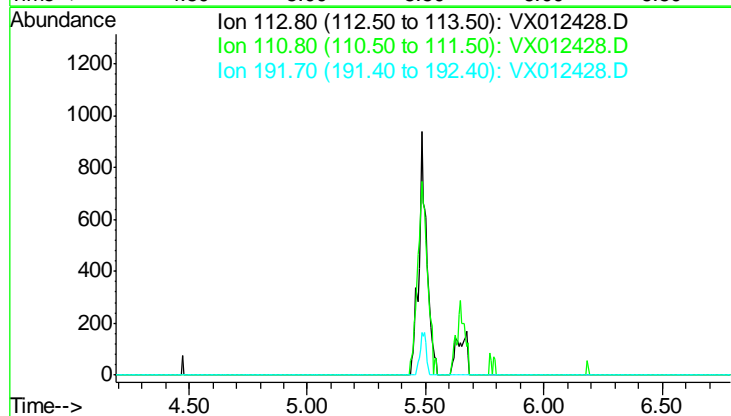
Manual Integrations
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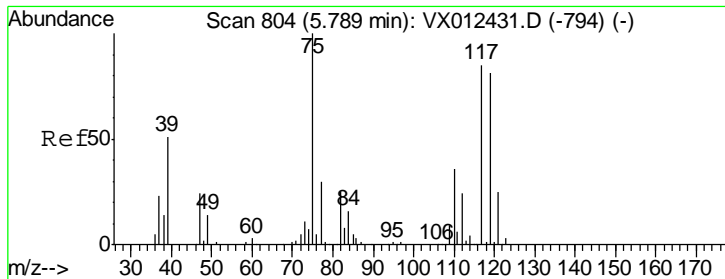
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 9/18/2019 11:22:02 AM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.49 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

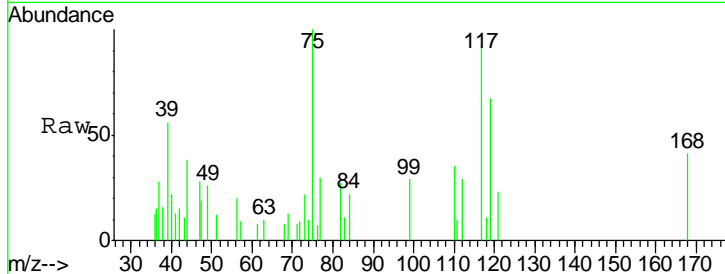
Tgt Ion	Sig	Exp Ratio
113	100	
111	104.3	
192	18.0	





#36
 1,1-Dichloropropene
 Concen: 0.754 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

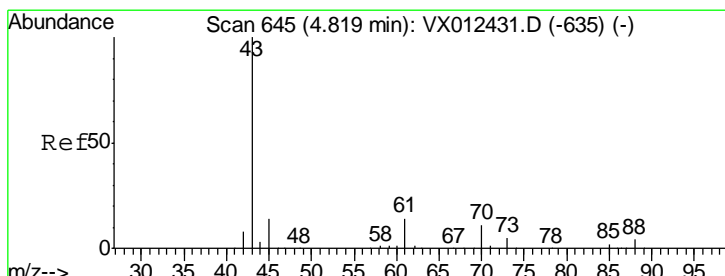
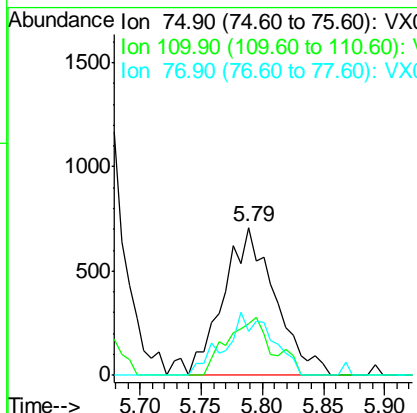
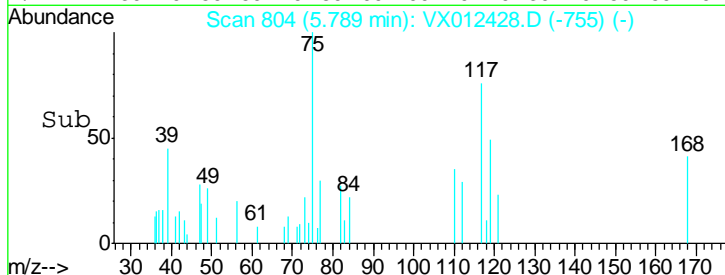


Tgt Ion: 75 Resp: 2081

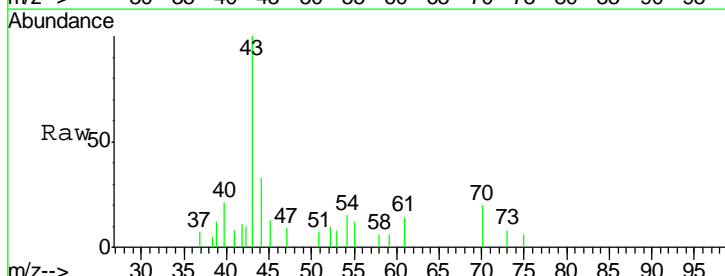
Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.0
77	38.5	24.2	36.2#

Manual Integrations
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MMDadoda
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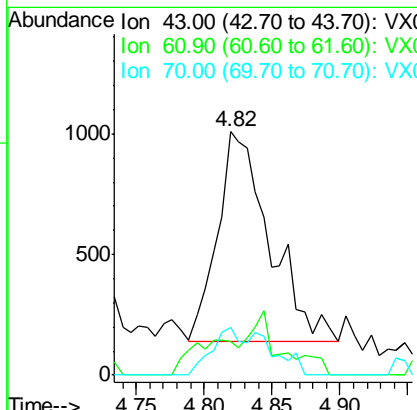
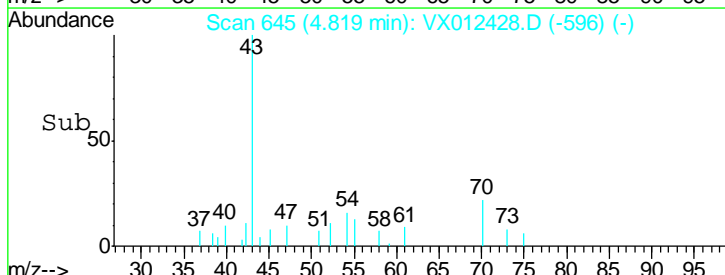


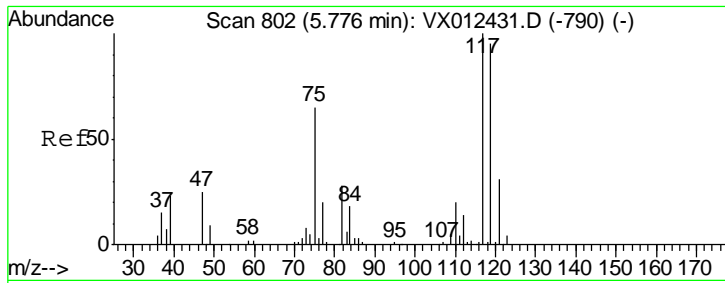
#37
 Ethyl Acetate
 Concen: 0.542 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59



Tgt Ion: 43 Resp: 2303

Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.2	15.4
70	14.2	8.7	13.1#





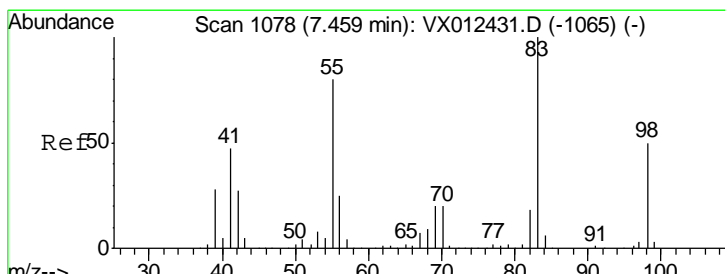
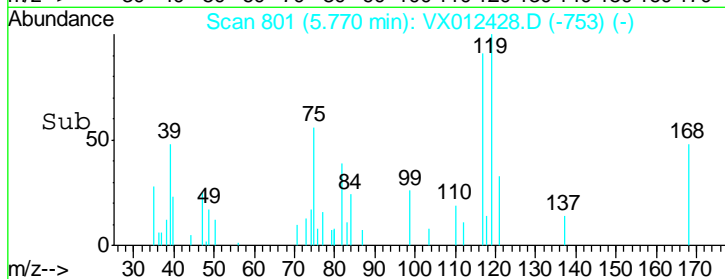
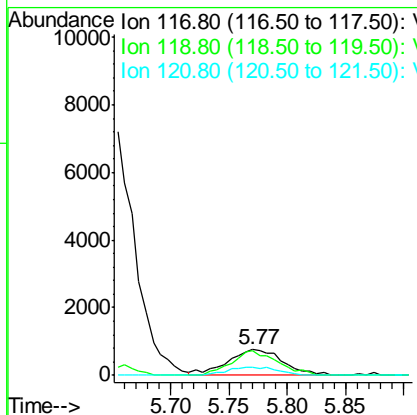
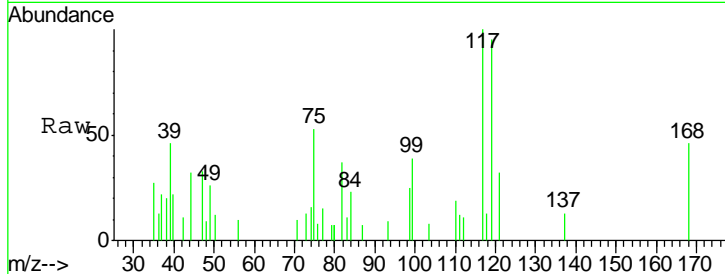
#38
 Carbon Tetrachloride
 Concen: 0.765 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.3	75.7	113.5
121	31.7	24.2	36.4

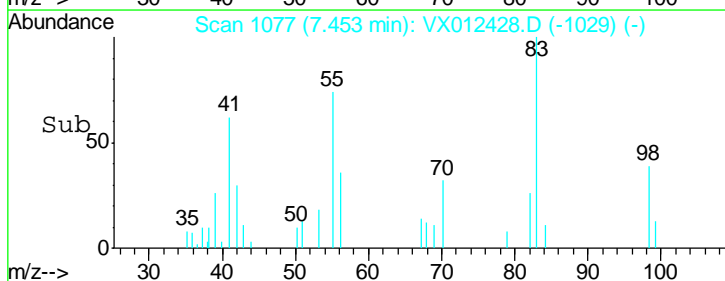
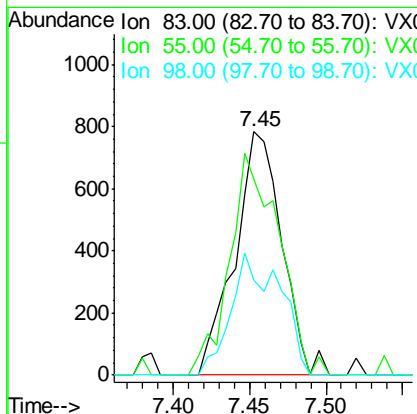
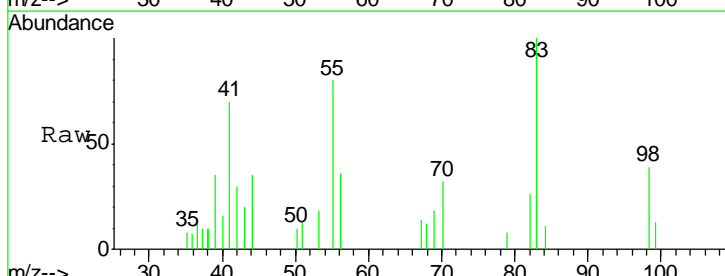
Manual Integrations
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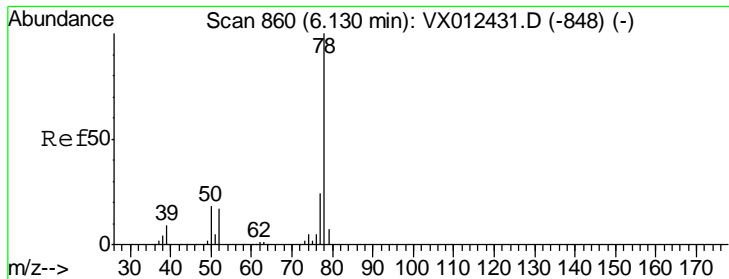
MMDadoda
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#39
 Methylcyclohexane
 Concen: 0.635 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
83	100		
55	80.5	64.4	96.6
98	39.3	40.1	60.1#





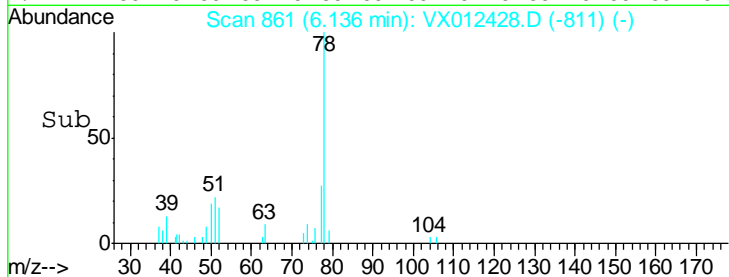
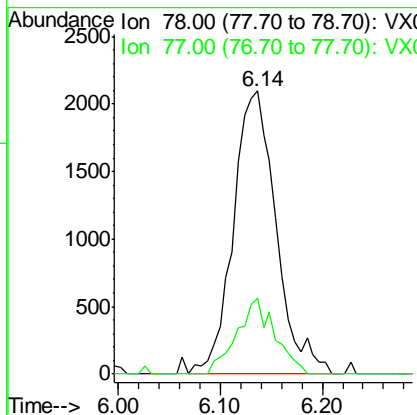
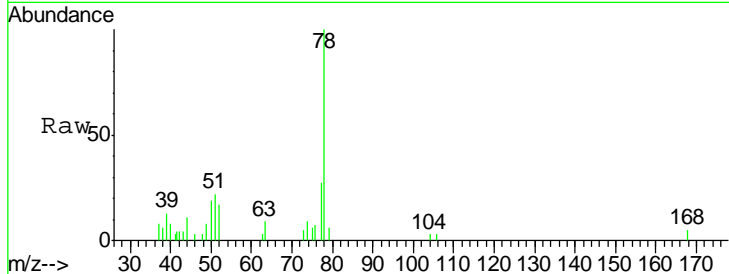
#40
Benzene
Concen: 0.723 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
78	100		
77	27.0	19.2	28.8

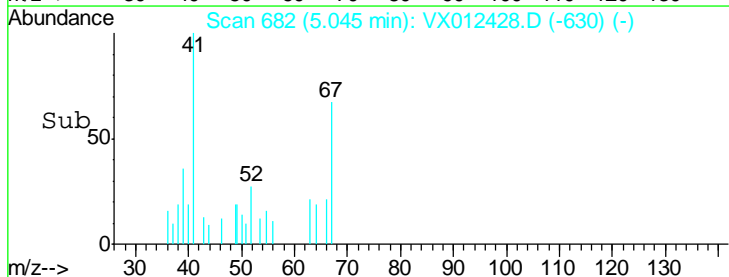
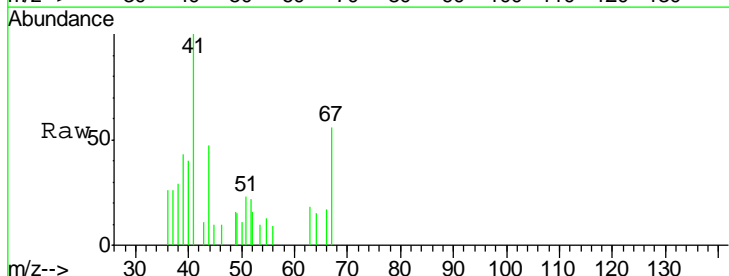
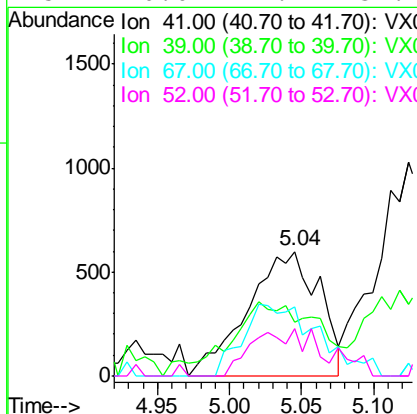
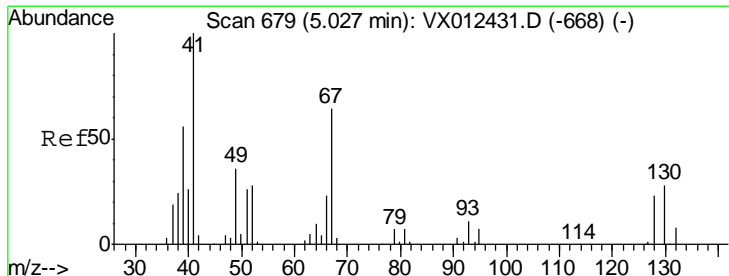
Manual Integrations
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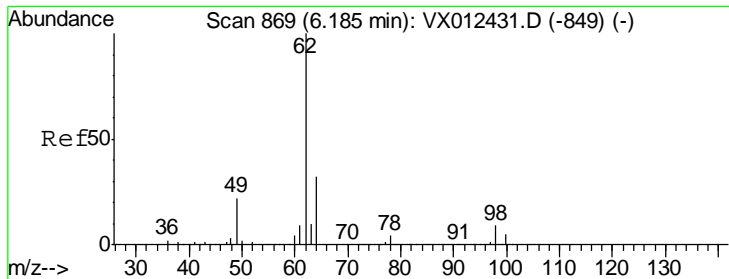
MMDadoda
9/18/2019 11:22:02 AM



#41
Methacrylonitrile
Concen: 0.854 ug/l
RT: 5.04 min Scan# 682
Delta R.T. 0.02 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
41	100		
39	0.0	46.0	69.0#
67	0.0	52.2	78.2#
52	0.0	22.7	34.1#





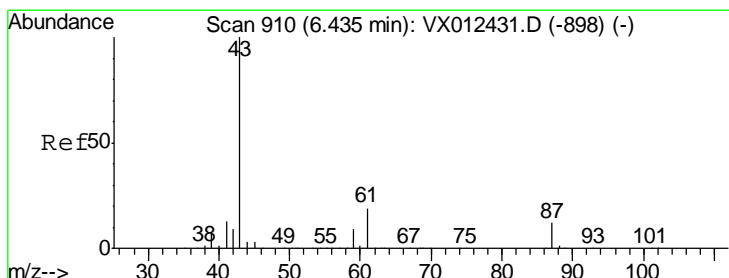
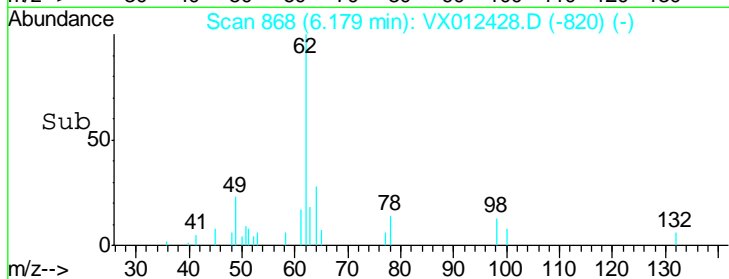
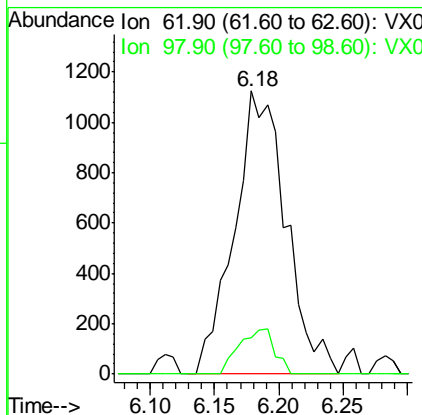
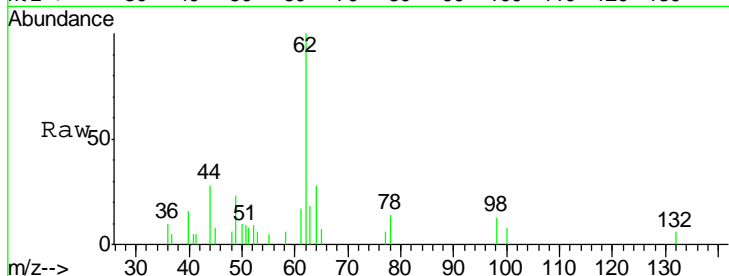
#42
 1,2-Dichloroethane
 Concen: 0.810 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.9	0.0	17.8

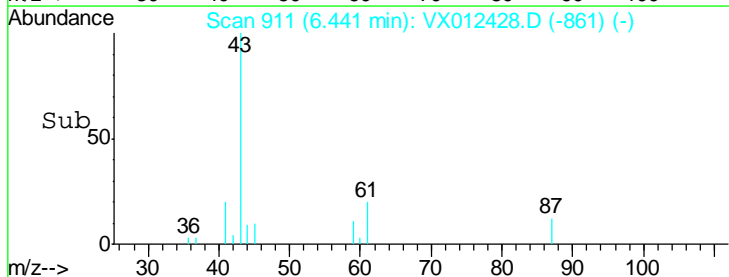
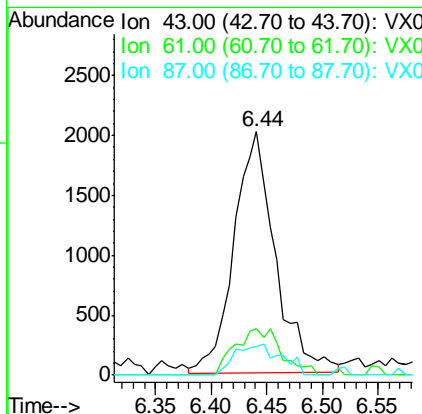
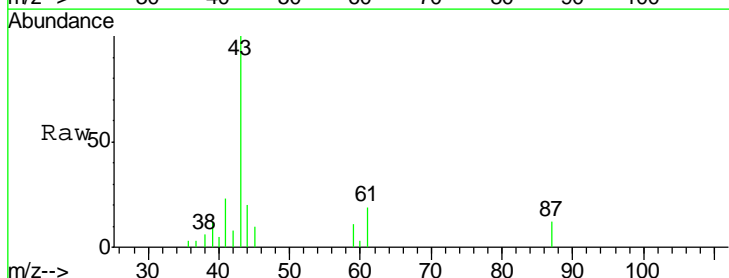
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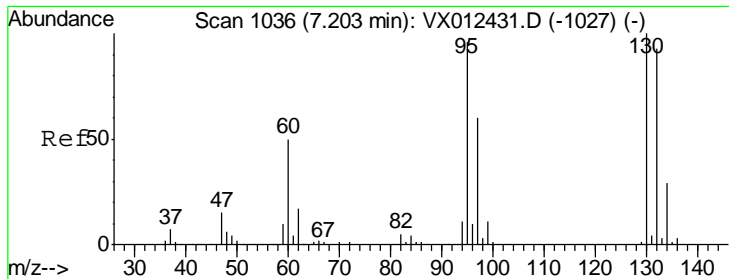
MMDadoda
 9/18/2019 11:22:02 AM



#43
 Isopropyl Acetate
 Concen: 0.712 ug/l
 RT: 6.44 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
43	100		
61	21.4	15.4	23.0
87	14.3	9.8	14.8





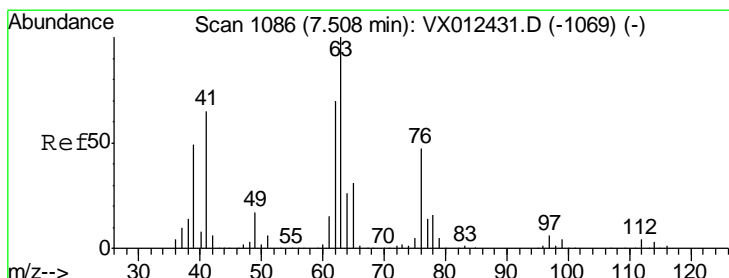
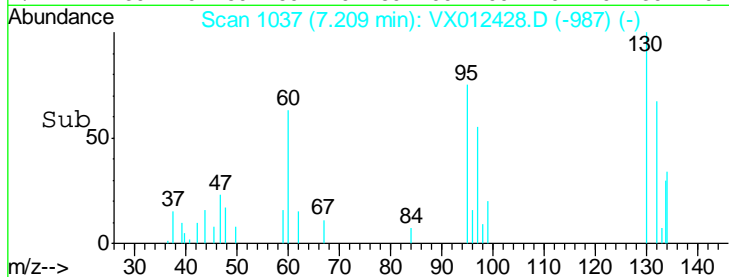
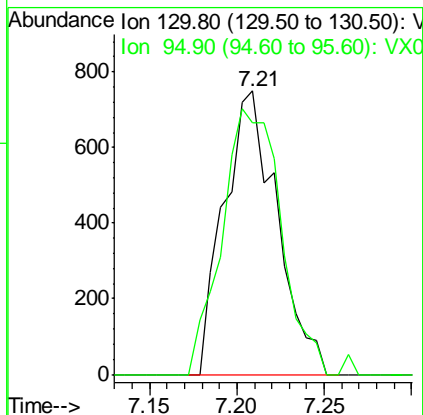
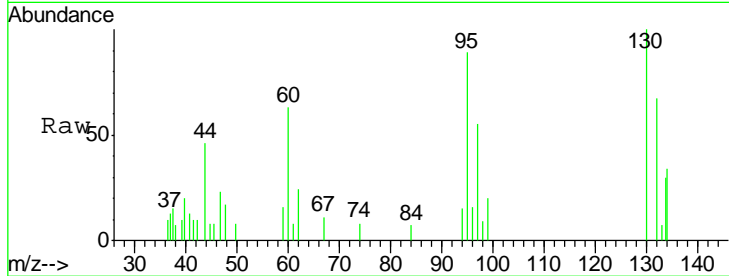
#44
 Trichloroethene
 Concen: 0.698 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
130	100		
95	89.1	0.0	193.0

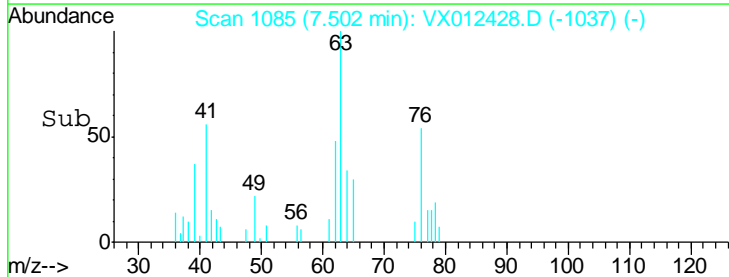
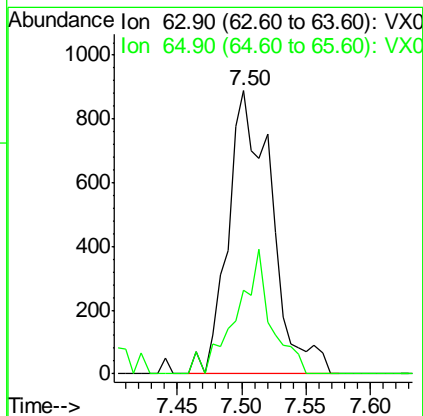
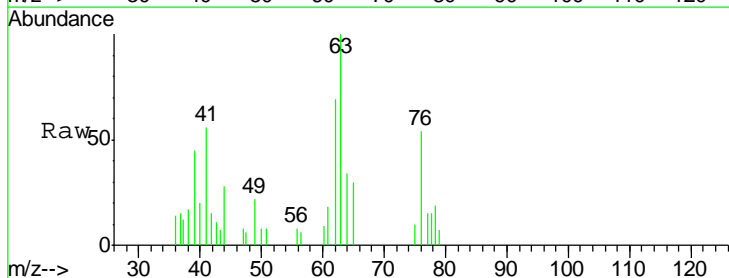
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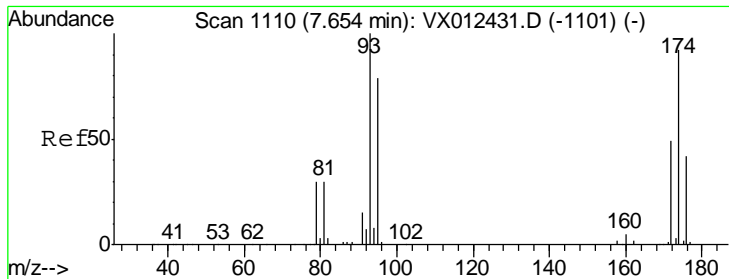
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#45
 1,2-Dichloropropane
 Concen: 0.803 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
63	100		
65	29.6	25.0	37.6





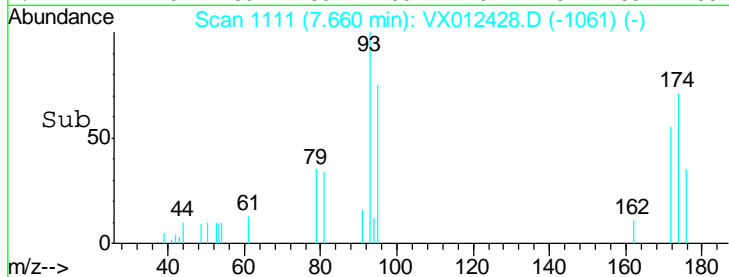
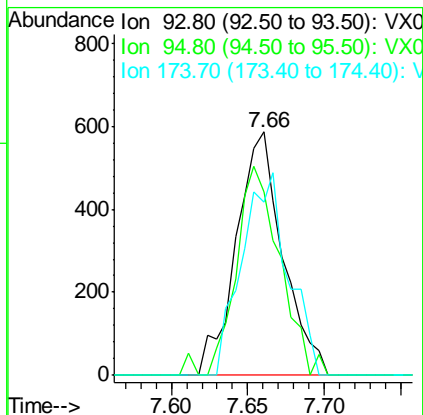
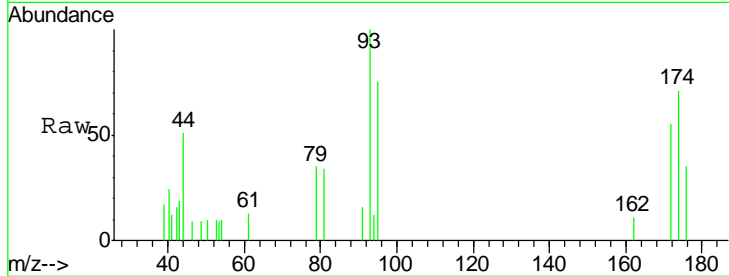
#46
 Dibromomethane
 Concen: 0.719 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
93	1242		
93	100		
95	79.9	66.6	100.0
174	82.4	77.4	116.0

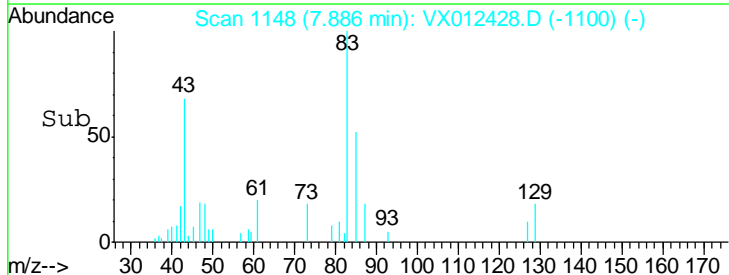
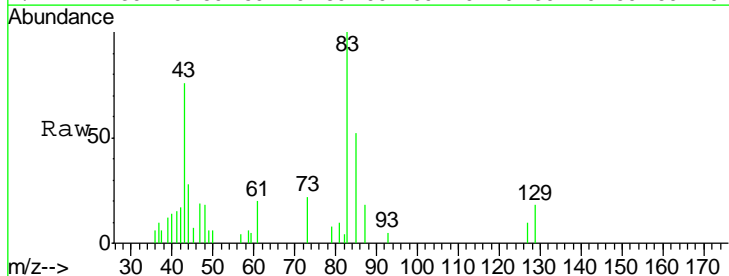
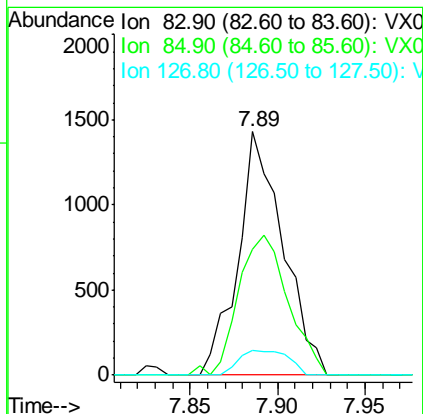
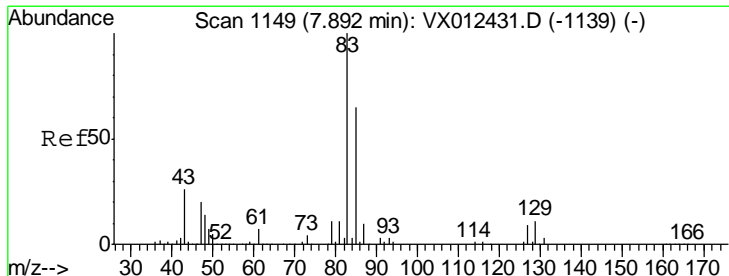
Manual Integrations
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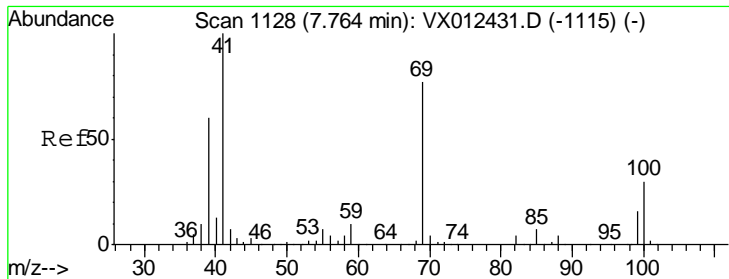
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#47
 Bromodichloromethane
 Concen: 0.665 ug/l
 RT: 7.89 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
83	2558		
83	100		
85	51.9	51.8	77.6
127	10.1	7.3	10.9





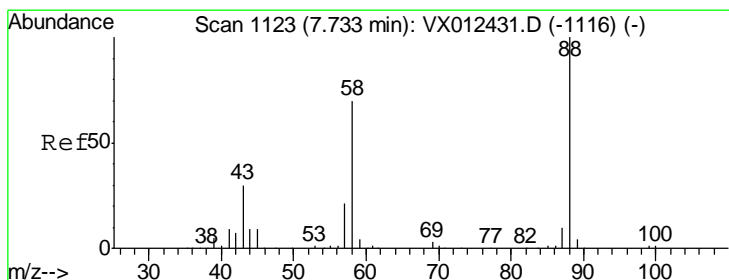
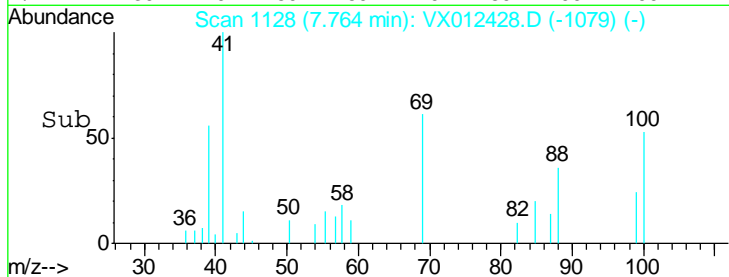
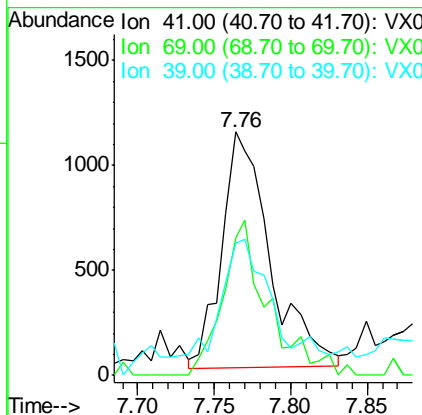
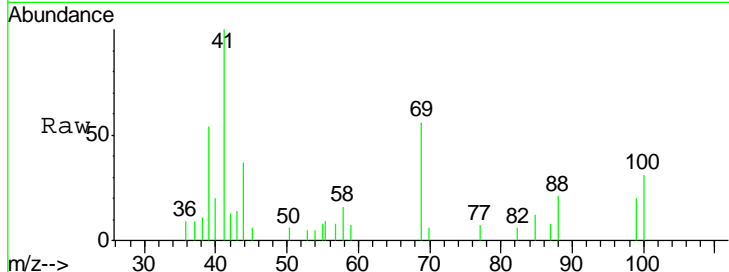
#48
Methyl methacrylate
Concen: 0.763 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
69	61.6	59.9	89.9
39	44.0	47.8	71.6#

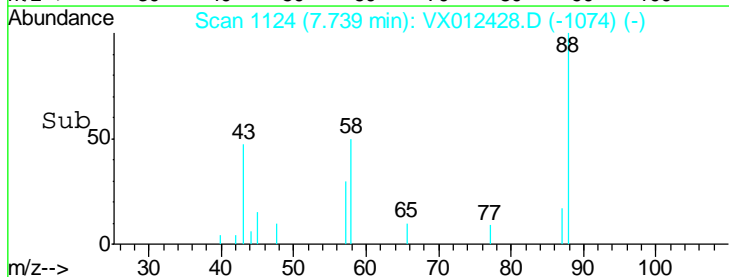
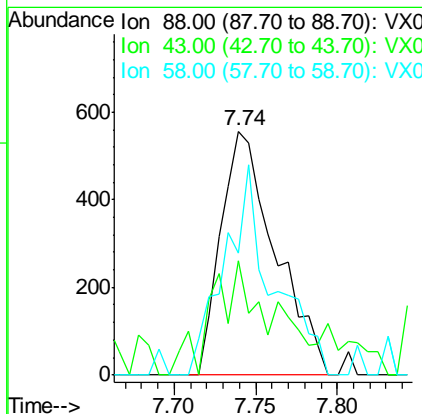
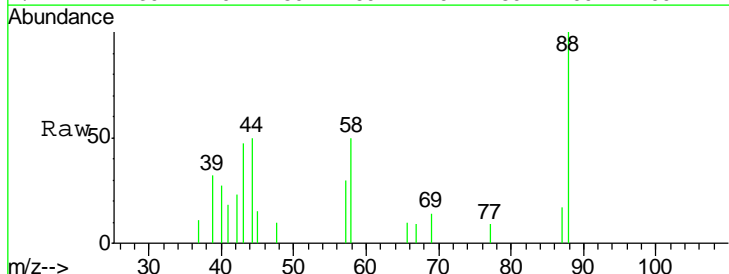
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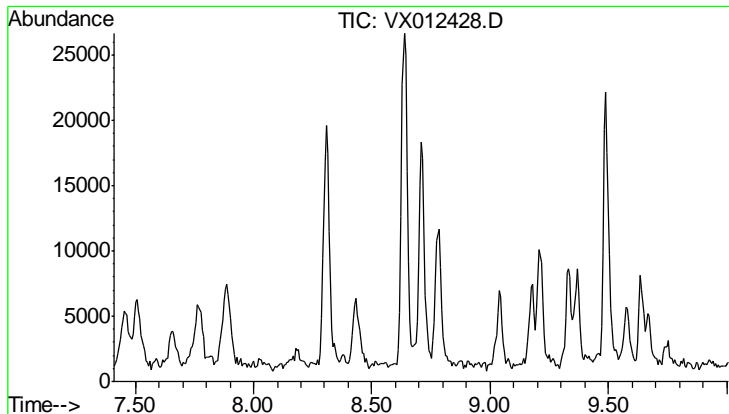
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#49
1,4-Dioxane
Concen: 15.609 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012428.D
Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
88	100		
43	19.3	29.4	44.0#
58	75.9	57.5	86.3



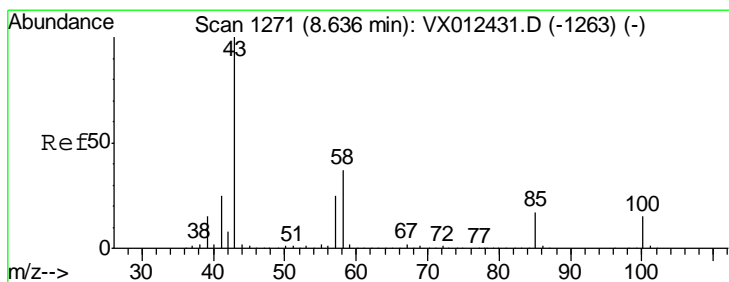
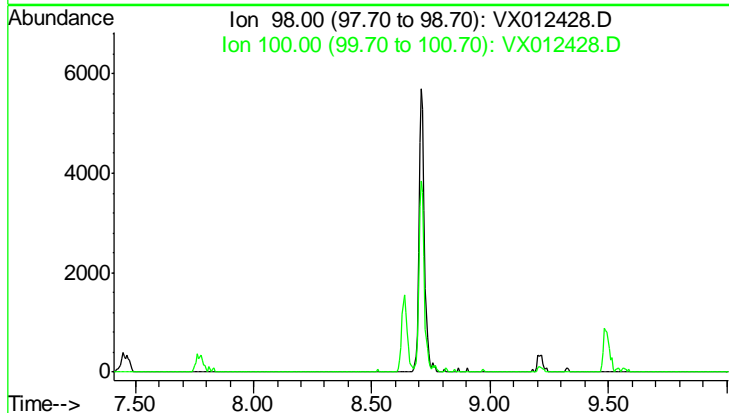


#50
 Toluene-d8
 Concen: 0.000 ug/l
 Expected RT: 8.71 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

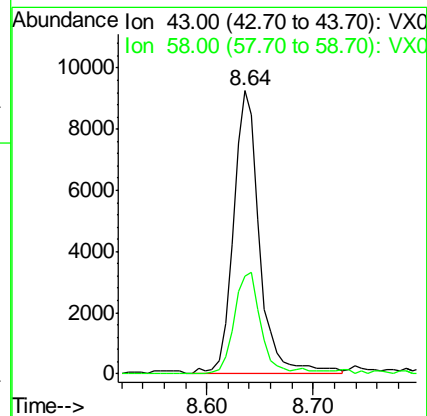
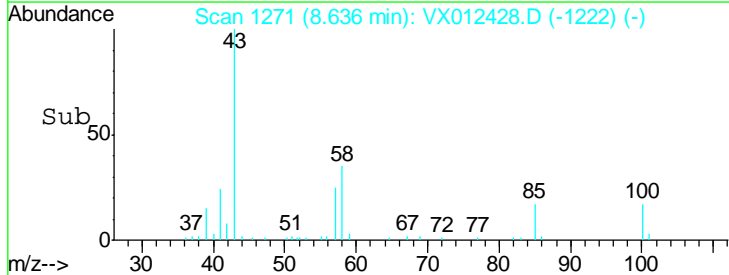
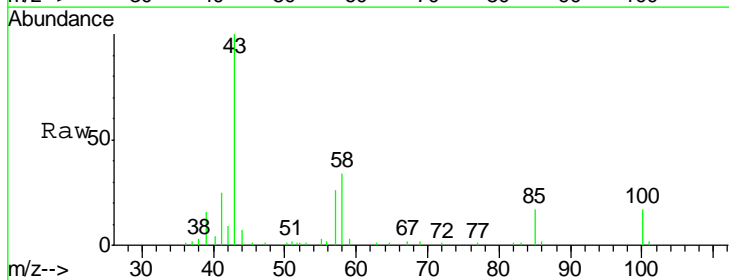
Tgt Ion	Exp Ratio
98	100
100	66.8

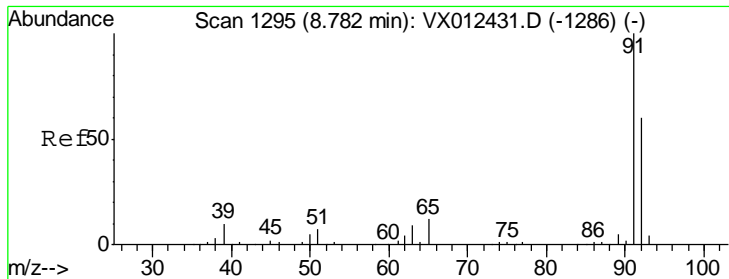
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#51
 4-Methyl-2-Pentanone
 Concen: 3.374 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
43	15948	100	
58	37.1	29.8	44.6





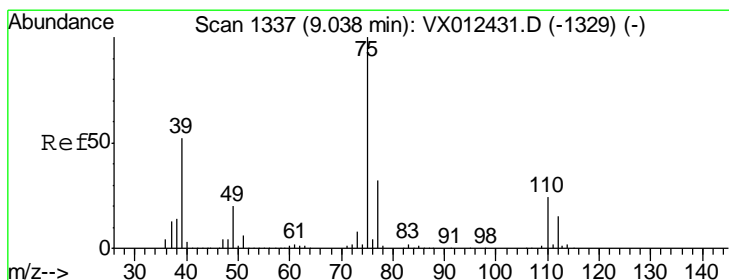
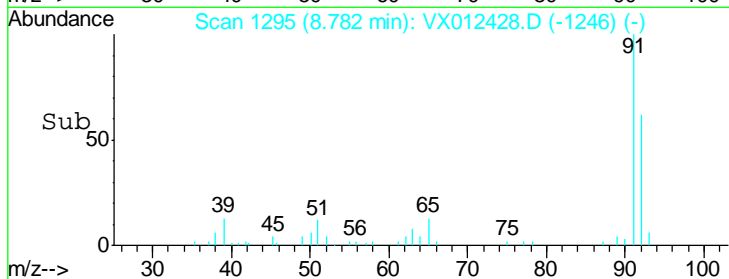
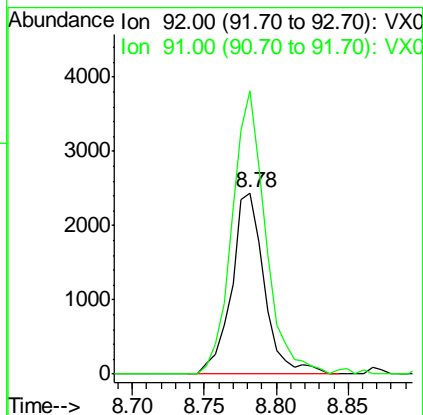
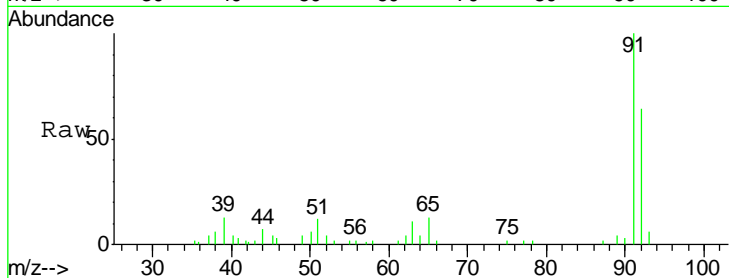
#52
 Toluene
 Concen: 0.706 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
92	3879		
92	100		
91	159.0	135.4	203.0

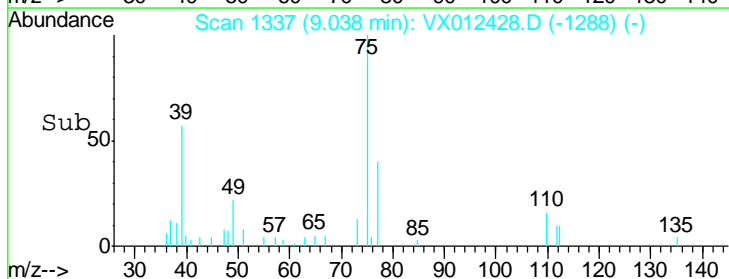
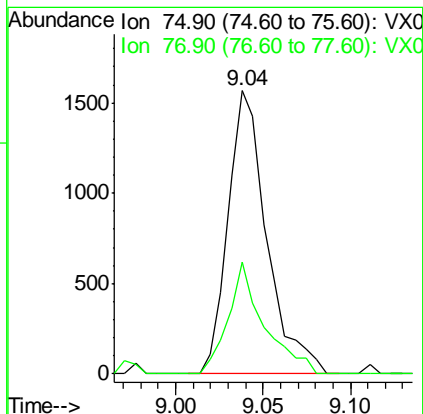
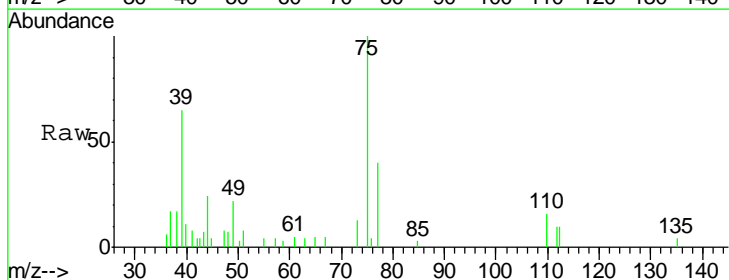
Manual Integrations
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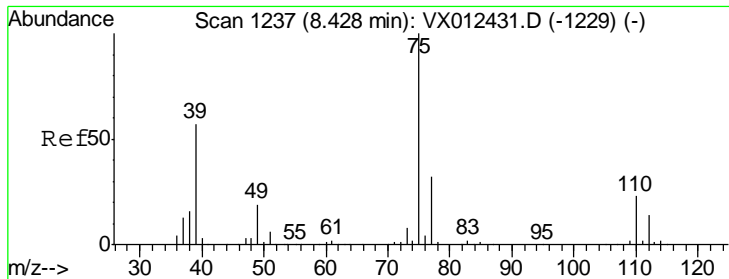
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#53
 t-1,3-Dichloropropene
 Concen: 0.607 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
75	2420		
75	100		
77	39.6	25.2	37.8#





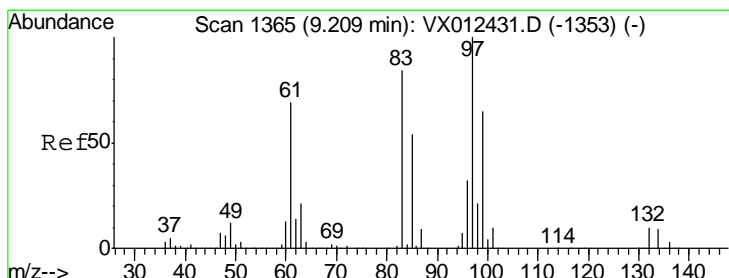
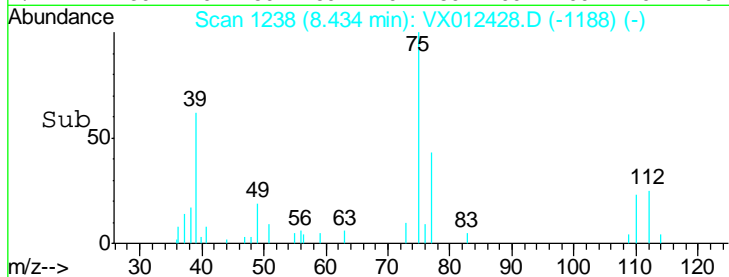
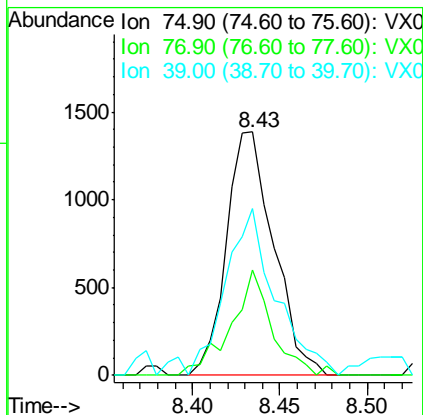
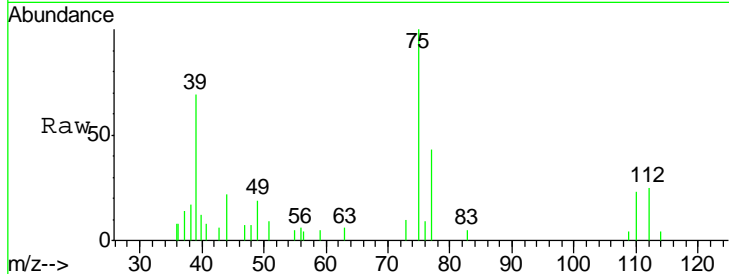
#54
 cis-1,3-Dichloropropene
 Concen: 0.631 ug/l
 RT: 8.43 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
77	43.0	25.8	38.8#
39	68.6	45.5	68.3#

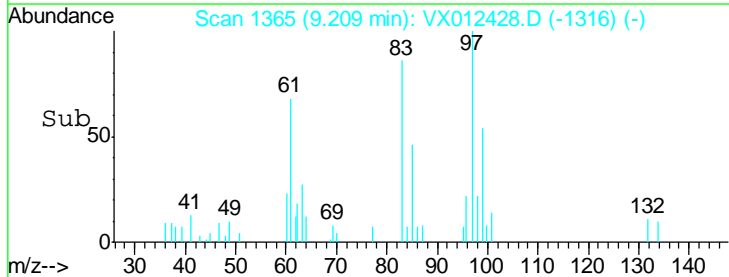
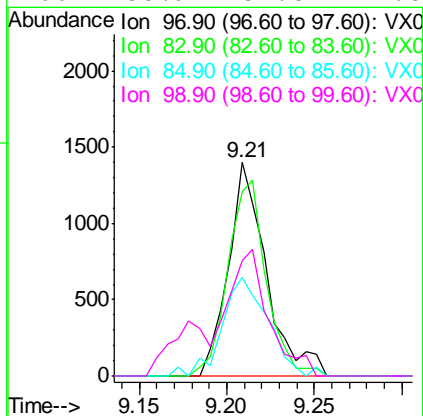
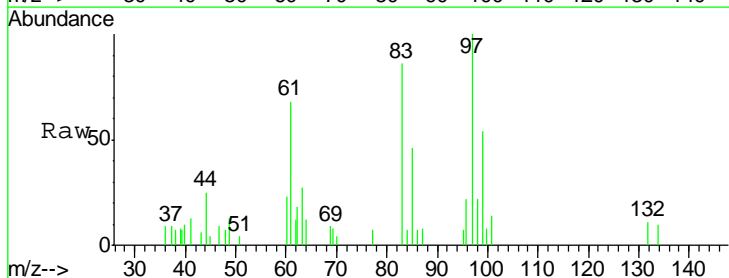
Manual Integrations
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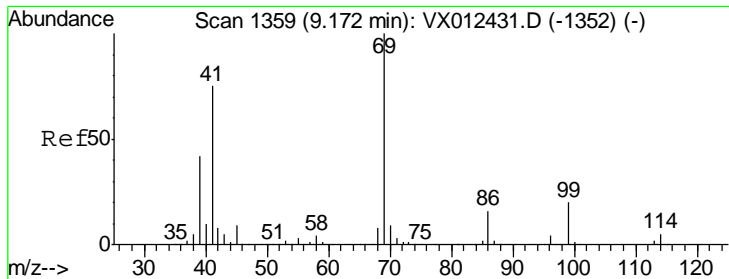
MMDadoda
 9/18/2019 11:22:02 AM



#55
 1,1,2-Trichloroethane
 Concen: 0.729 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
97	100		
83	86.4	67.4	101.2
85	45.9	43.5	65.3
99	53.9	51.8	77.8





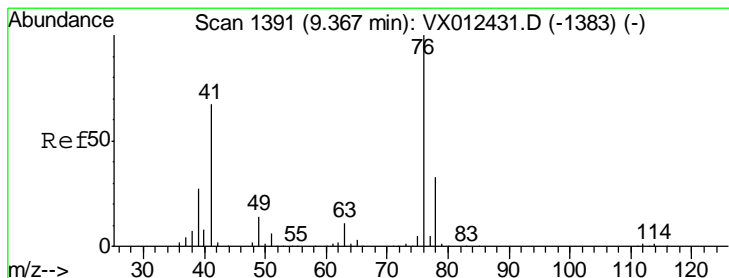
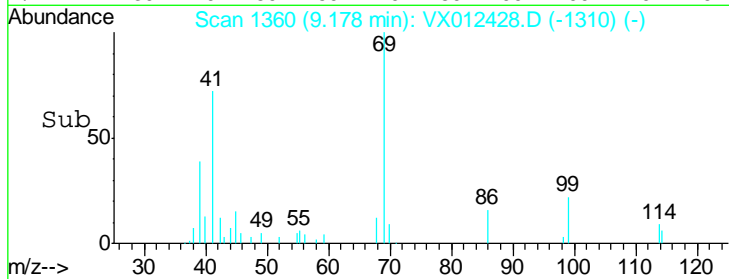
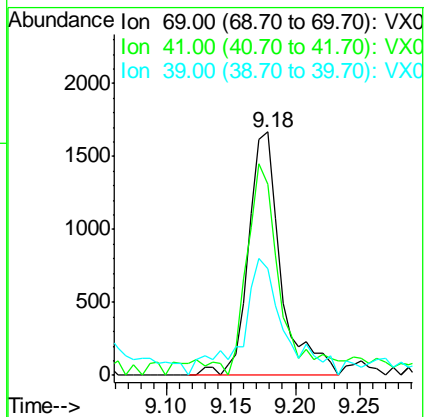
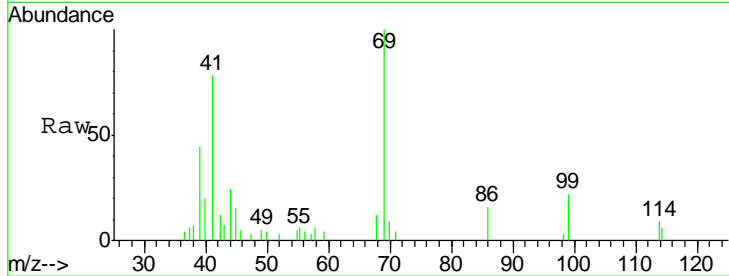
#56
 Ethyl methacrylate
 Concen: 0.660 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
69	2883		
69	100		
41	87.3	58.4	87.6
39	61.7	33.4	50.0#

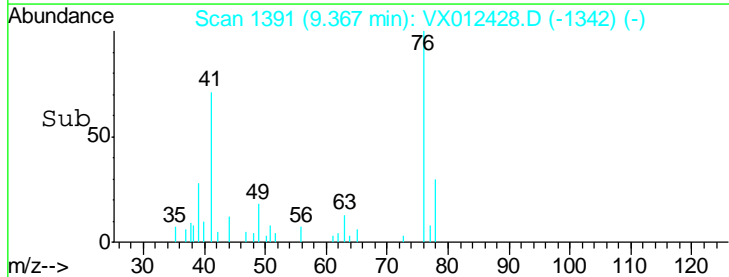
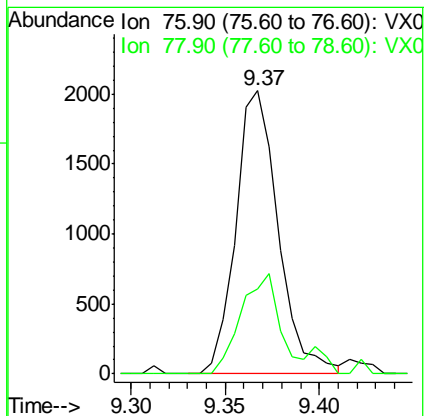
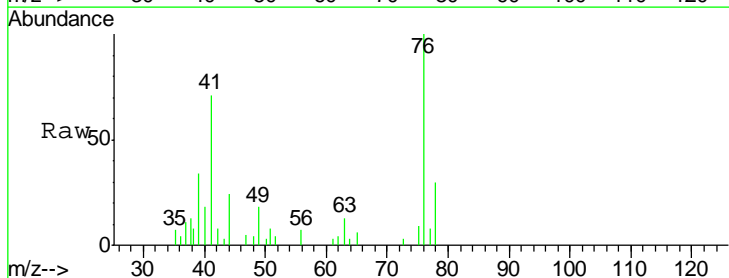
Manual Integrations
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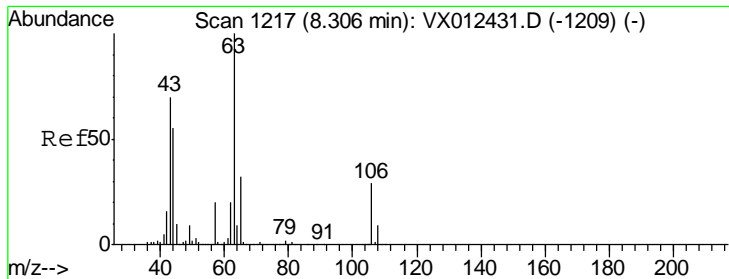
MMDadoda
 9/18/2019 11:22:02 AM



#57
 1,3-Dichloropropane
 Concen: 0.686 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
76	3156		
76	100		
78	32.6	26.2	39.2





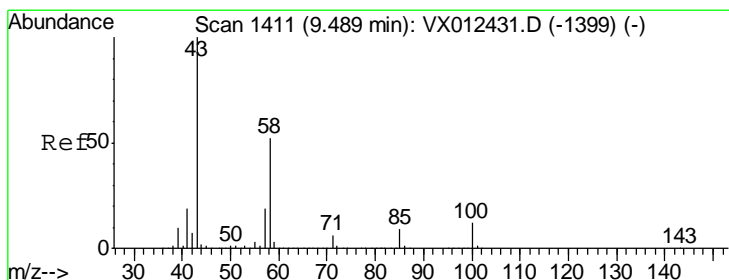
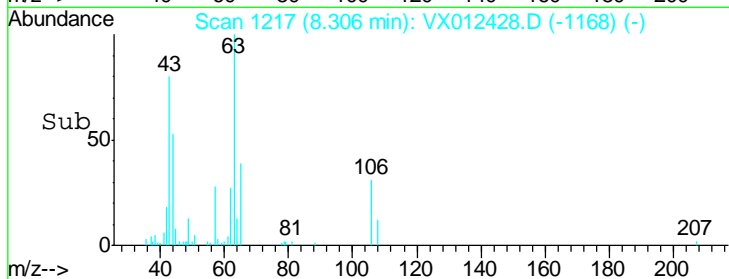
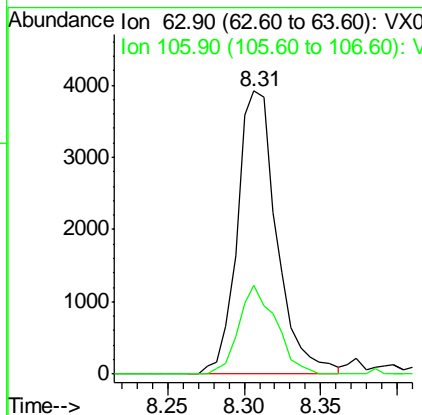
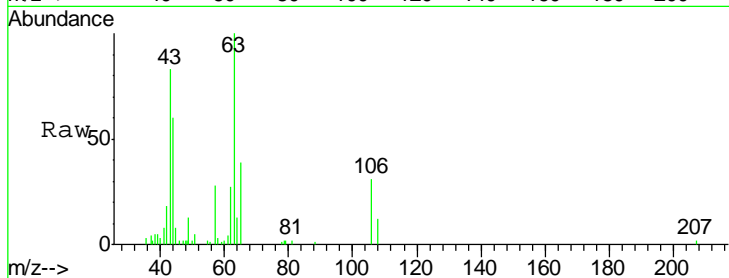
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.017 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	100		
106	29.5	23.8	35.6

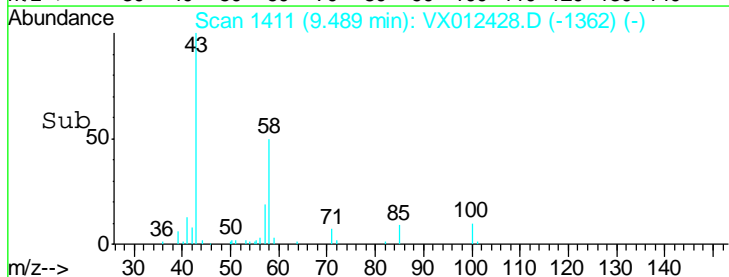
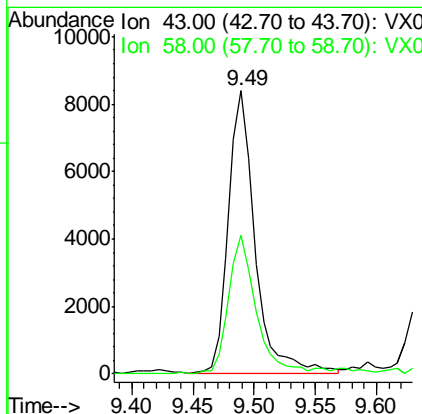
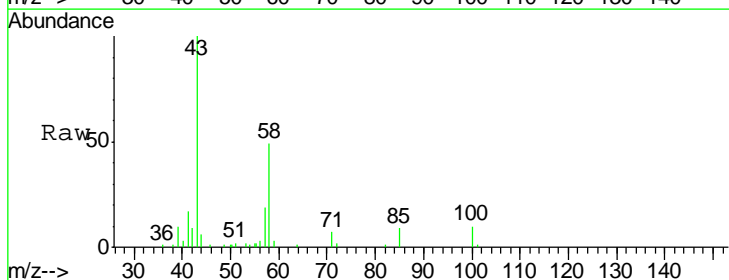
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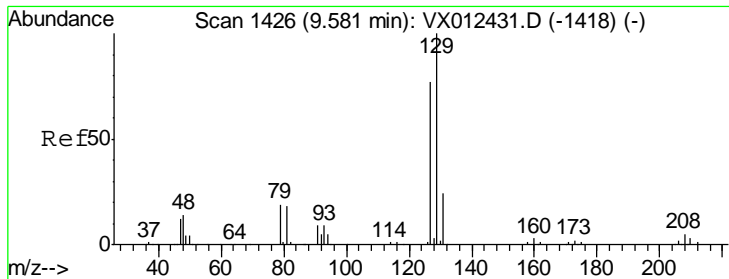
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#59
 2-Hexanone
 Concen: 3.499 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
43	100		
58	49.6	25.7	77.1





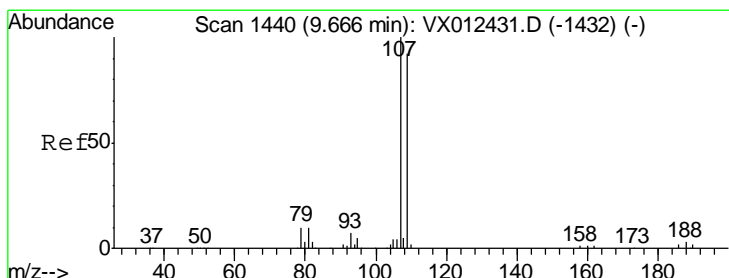
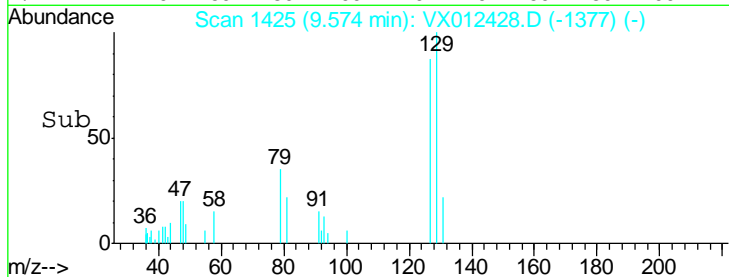
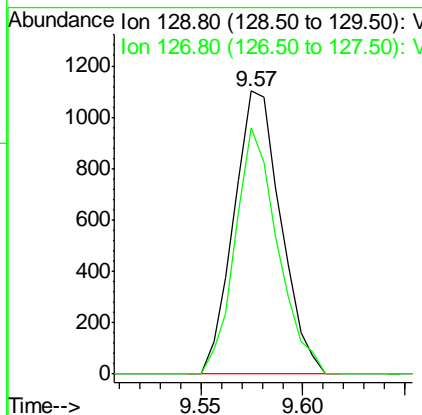
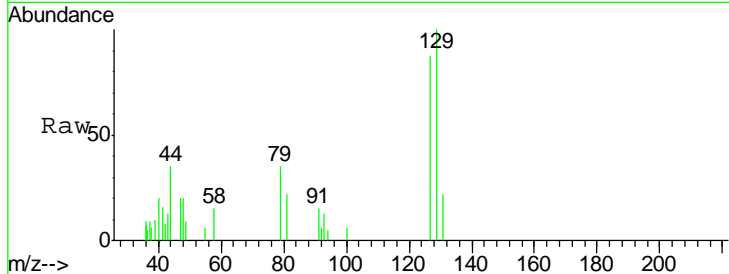
#60
 Dibromochloromethane
 Concen: 0.592 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
129	1759		
127	79.0	38.9	116.6

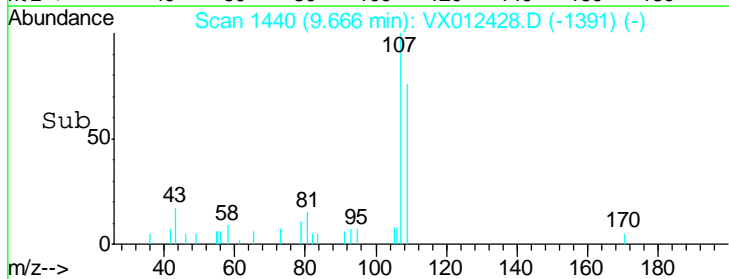
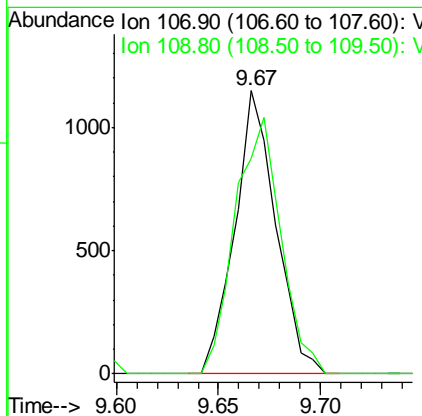
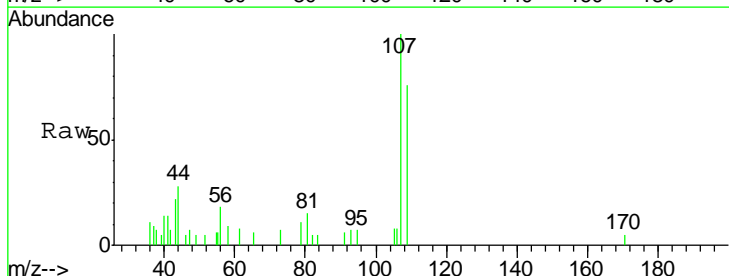
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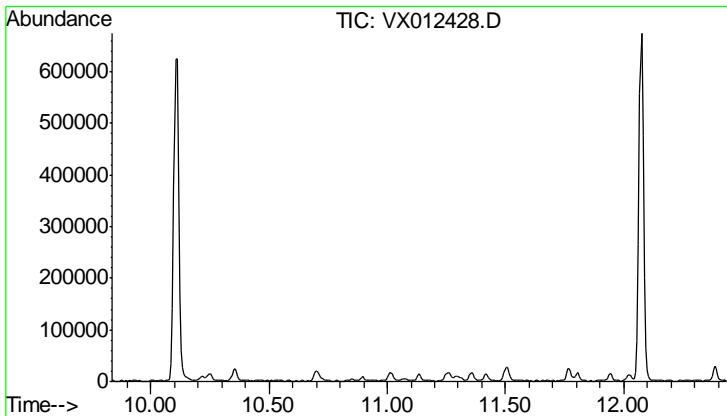
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#61
 1,2-Dibromoethane
 Concen: 0.602 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
107	1606		
109	101.6	74.7	112.1



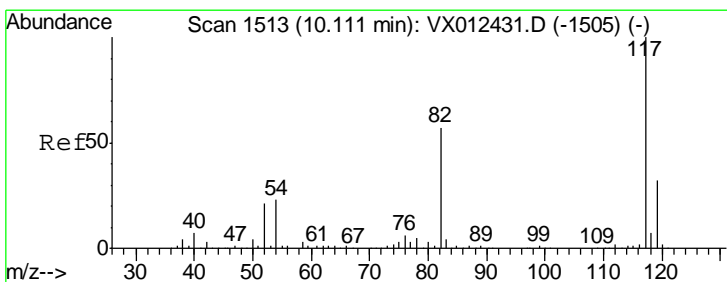
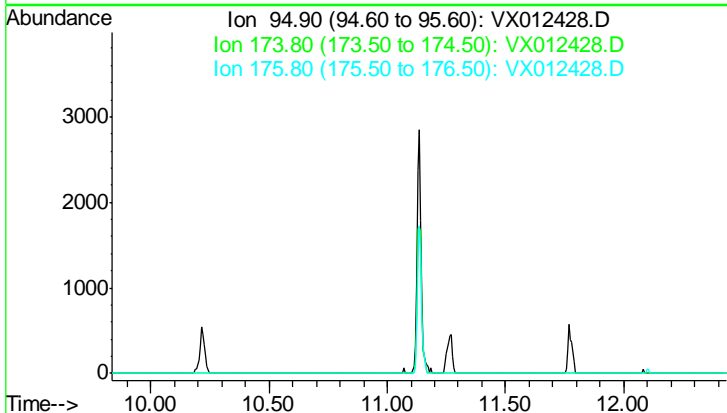


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.14 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Exp Ratio
95	100
174	70.0
176	67.7

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

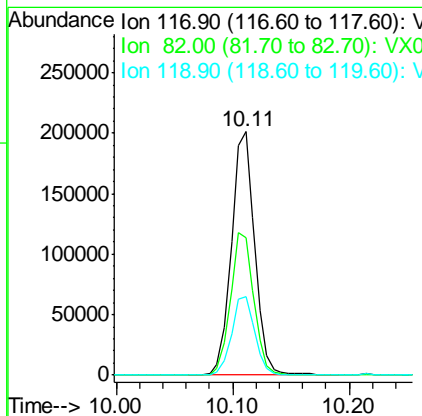
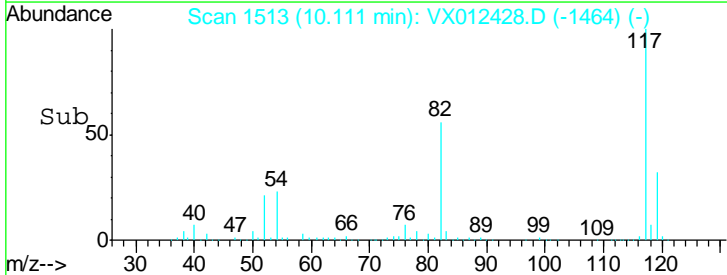
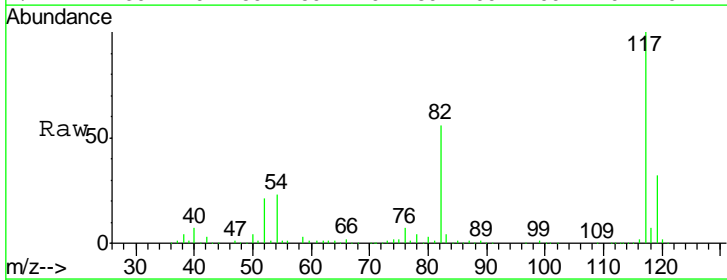
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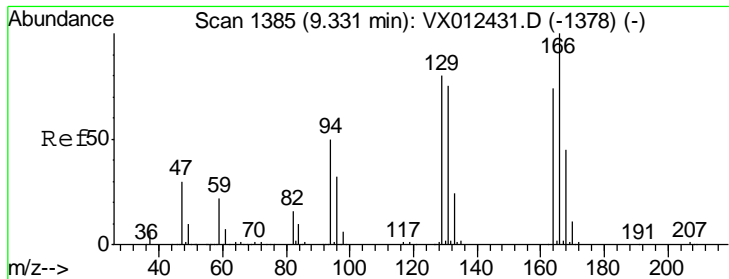


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp
117	278672

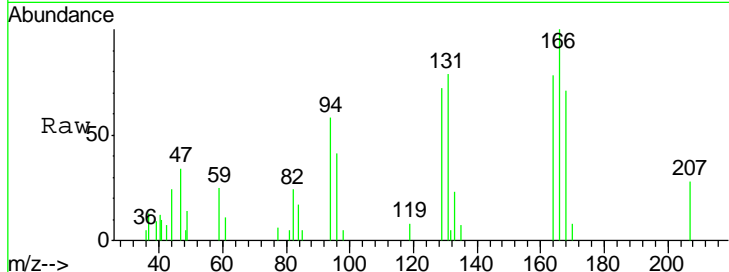
Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.9	68.9
119	32.0	25.3	37.9





#64
 Tetrachloroethene
 Concen: 0.699 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

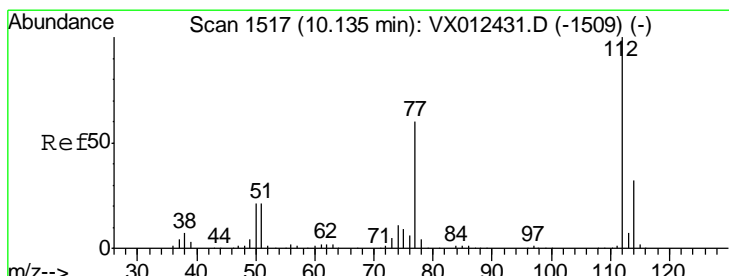
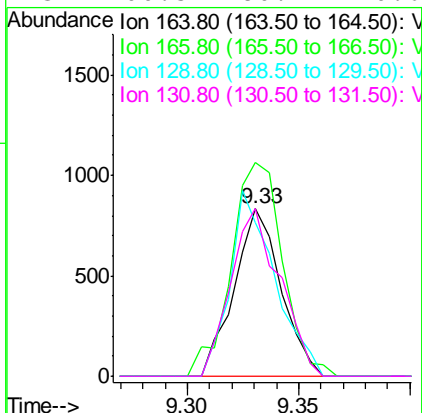
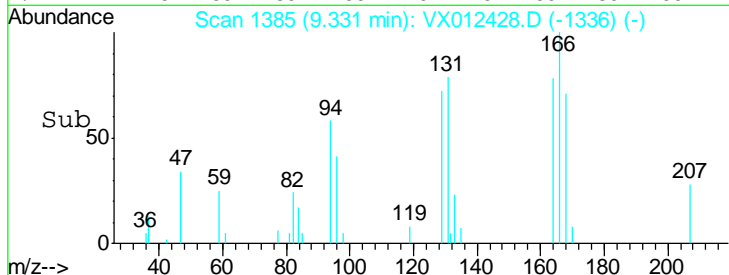
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001



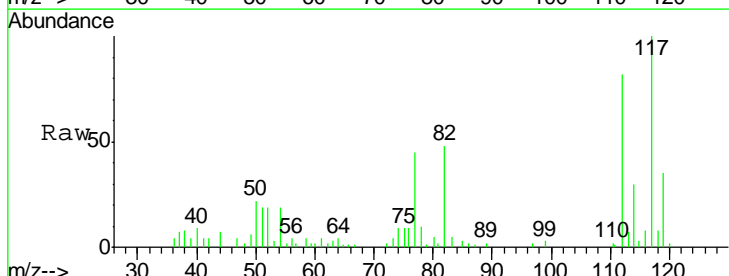
Tgt Ion: 164 Resp: 1219

Ion	Ratio	Lower	Upper
164	100		
166	127.6	107.8	161.6
129	91.6	86.2	129.2
131	100.5	80.4	120.6

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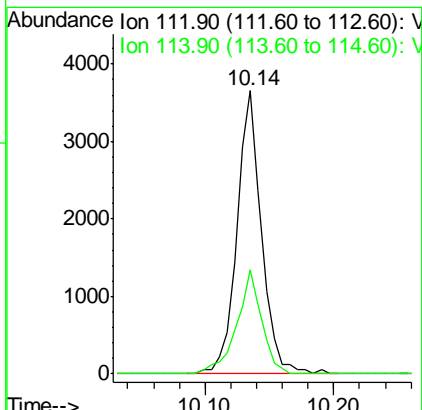
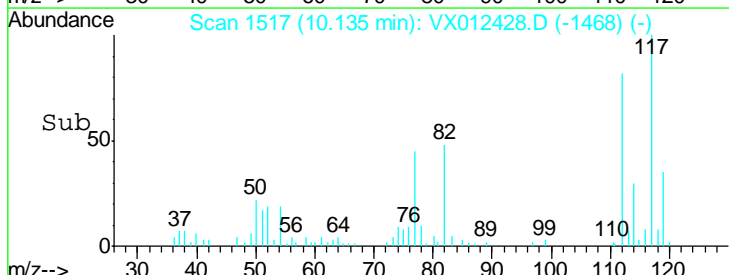


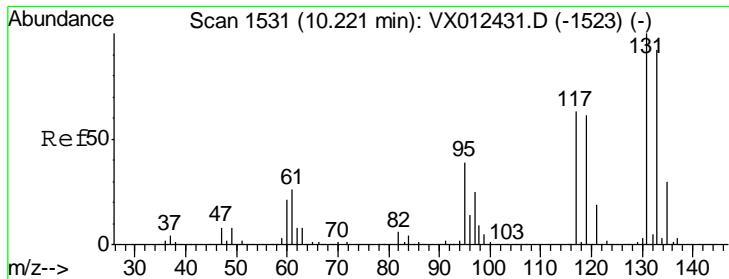
#65
 Chlorobenzene
 Concen: 0.787 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59



Tgt Ion: 112 Resp: 4827

Ion	Ratio	Lower	Upper
112	100		
114	36.6	25.4	38.0





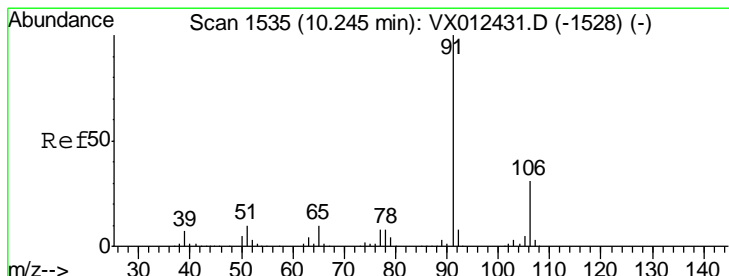
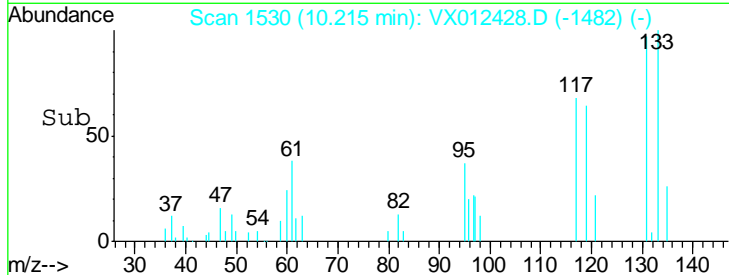
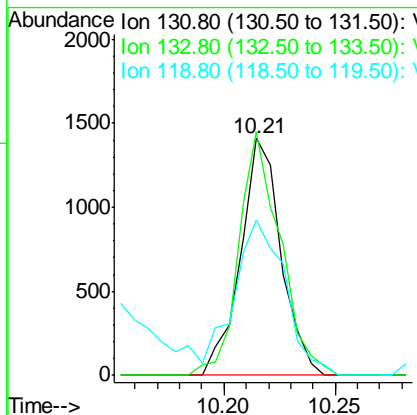
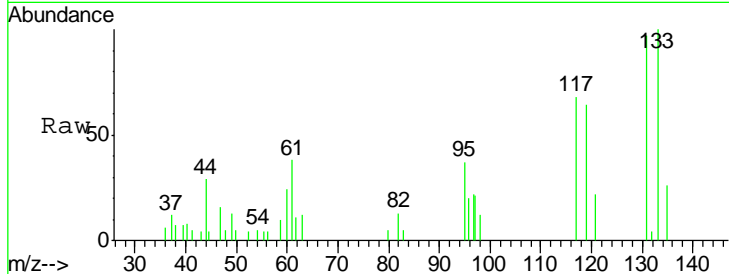
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.690 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
131	1793		
131	100		
133	104.5	47.6	142.9
119	0.0	31.3	93.8#

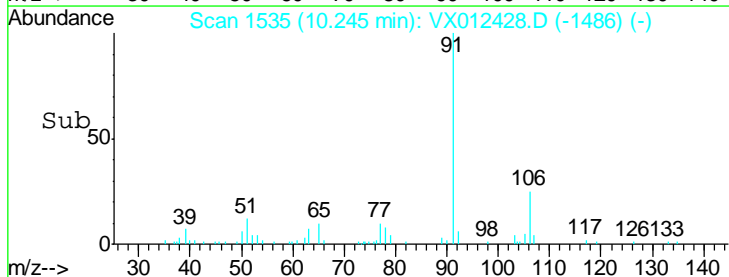
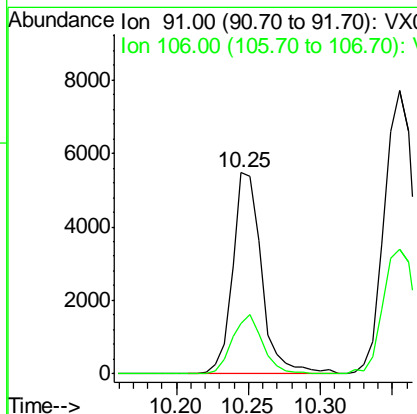
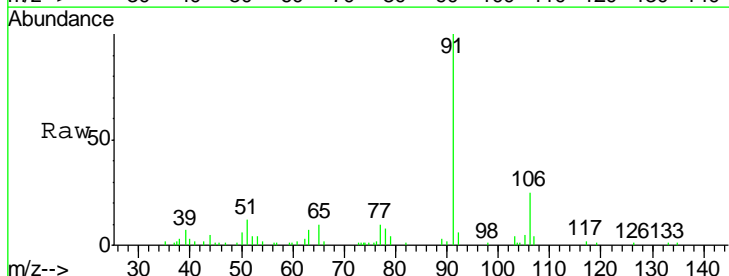
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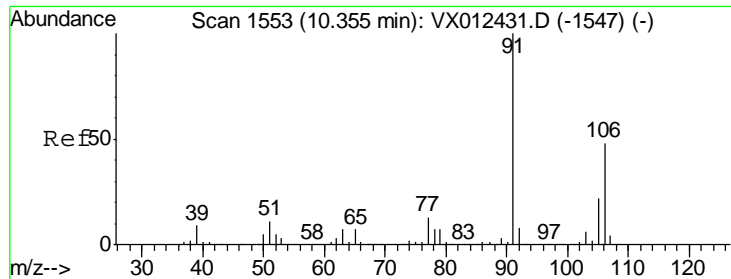
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#67
 Ethyl Benzene
 Concen: 0.736 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
91	7725		
91	100		
106	24.9	24.6	37.0





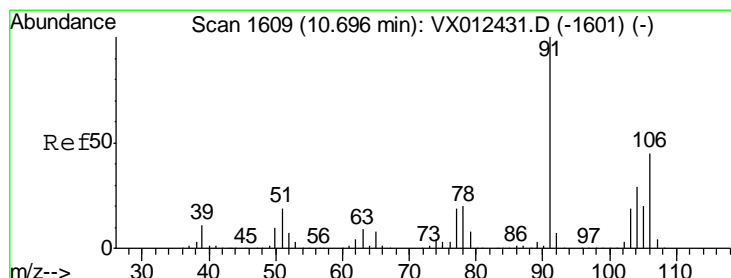
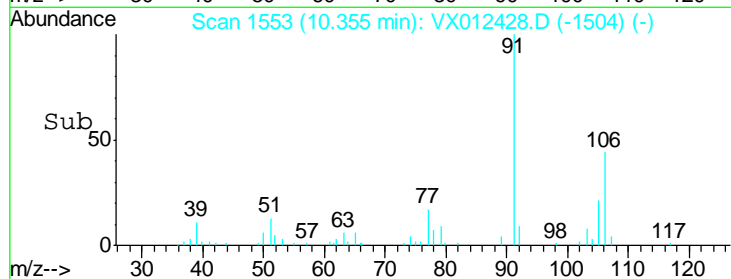
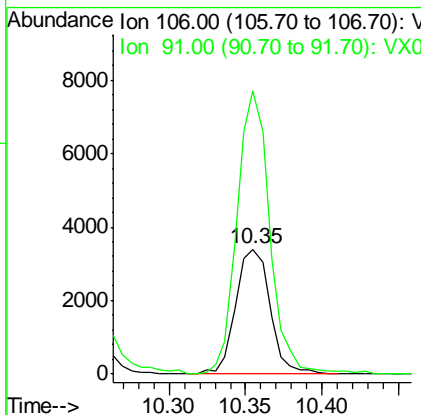
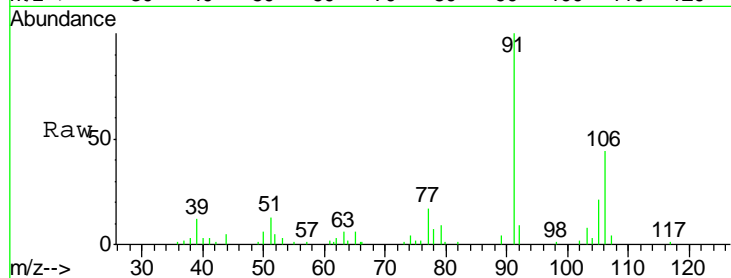
#68
 m/p-Xylenes
 Concen: 1.377 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
106	5328		
106	100		
91	216.1	166.6	250.0

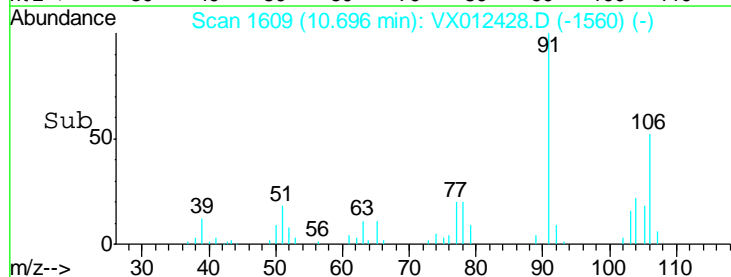
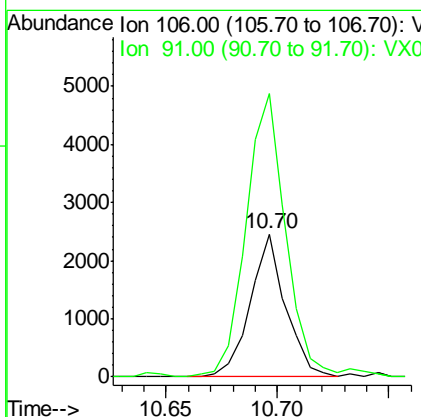
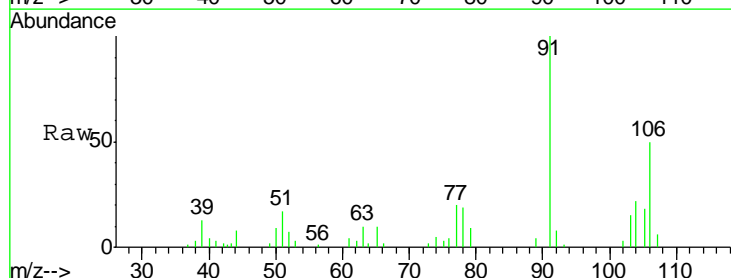
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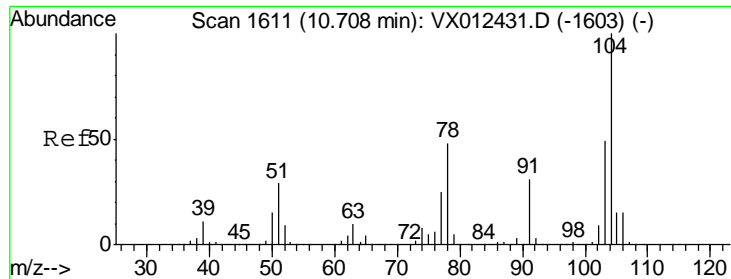
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#69
 o-Xylene
 Concen: 0.676 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
106	2713		
106	100		
91	225.1	109.4	328.2





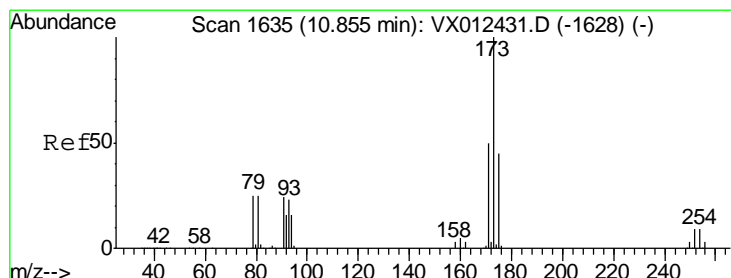
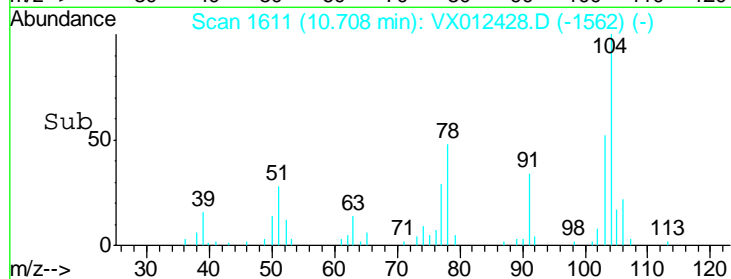
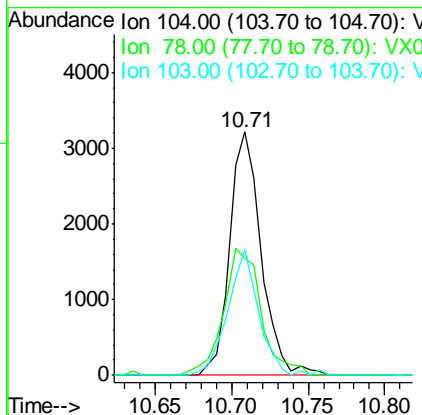
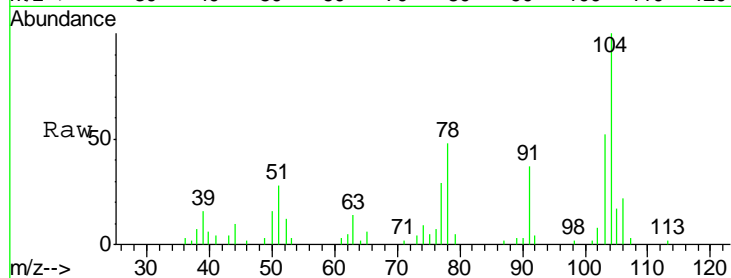
#70
 Styrene
 Concen: 0.659 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
104	100		
78	62.2	43.4	65.2
103	50.8	43.3	64.9

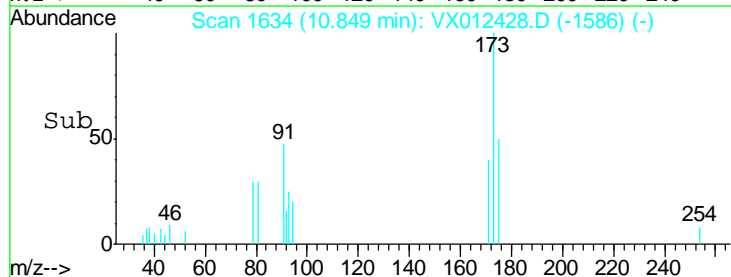
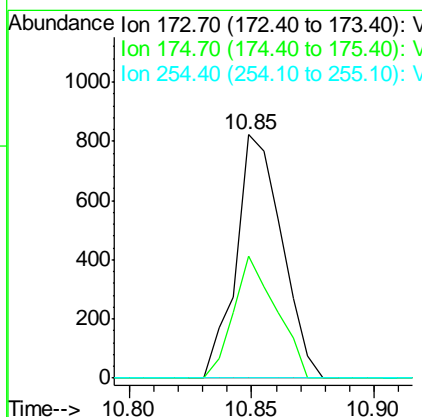
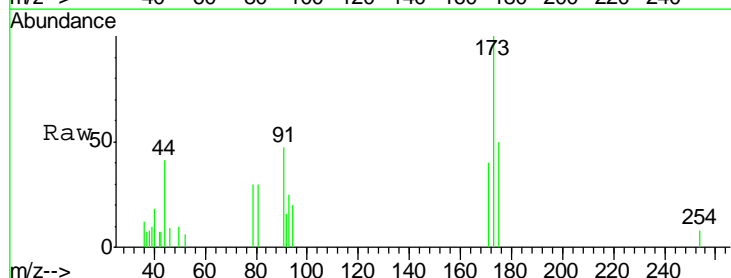
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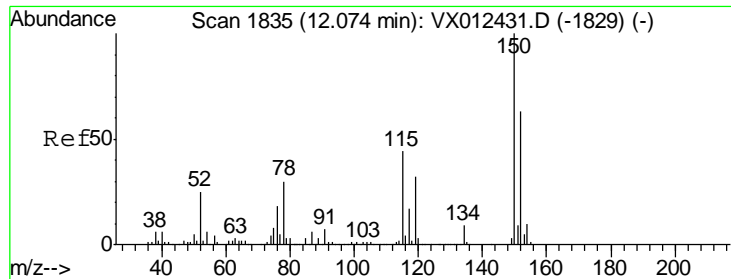
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#71
 Bromoform
 Concen: 0.535 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
173	100		
175	46.9	23.7	71.1
254	0.0	0.1	0.1#





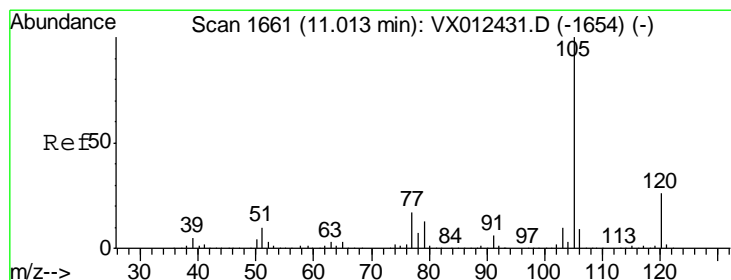
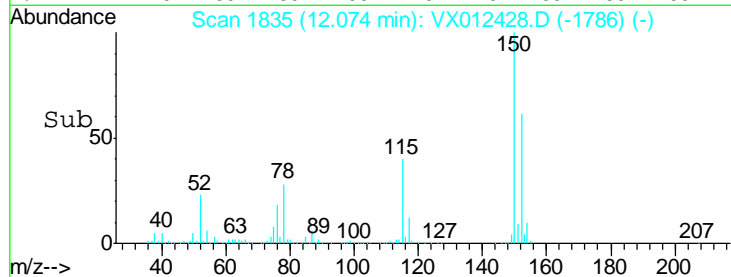
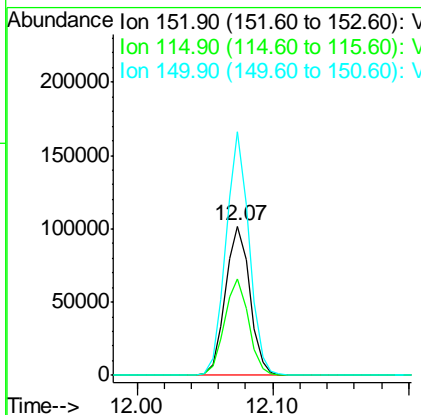
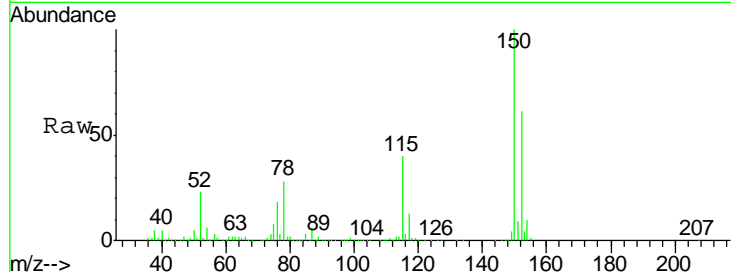
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
152	126969		
152	100		
115	63.8	44.1	132.3
150	154.5	0.0	343.8

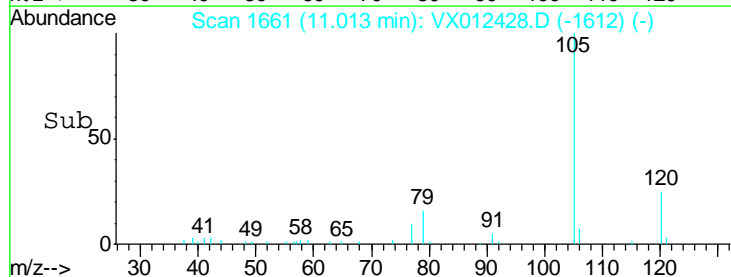
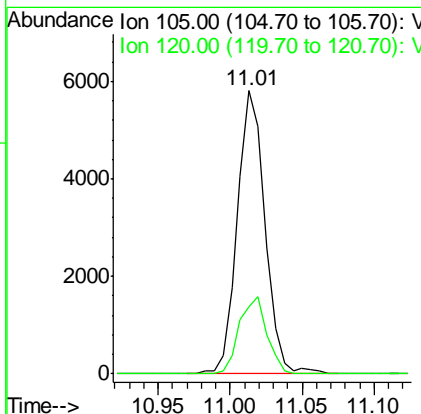
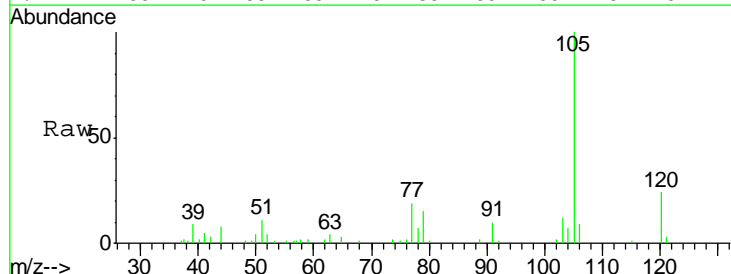
Manual Integrations
 APPROVED

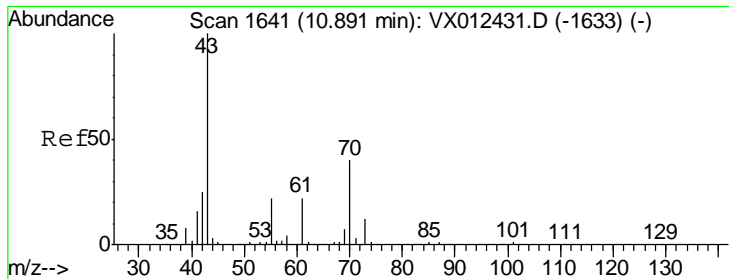
MMDadoda
 9/18/2019 11:22:02 AM



#73
 Isopropylbenzene
 Concen: 0.900 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

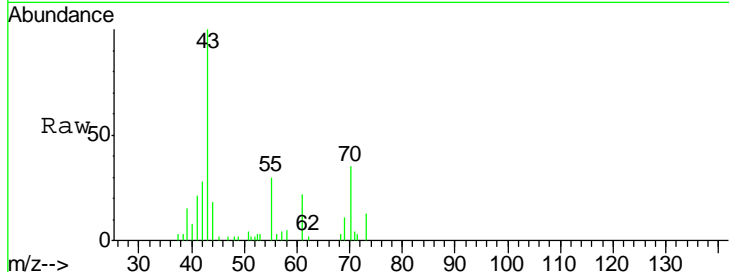
Tgt Ion	Resp	Lower	Upper
105	7771		
105	100		
120	27.1	12.9	38.7





#74
 N-amyl acetate
 Concen: 0.832 ug/l
 RT: 10.90 min Scan# 1642
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

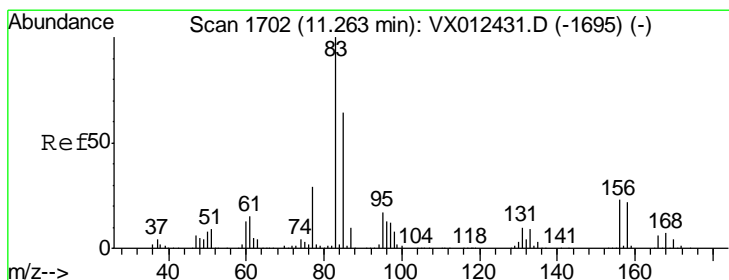
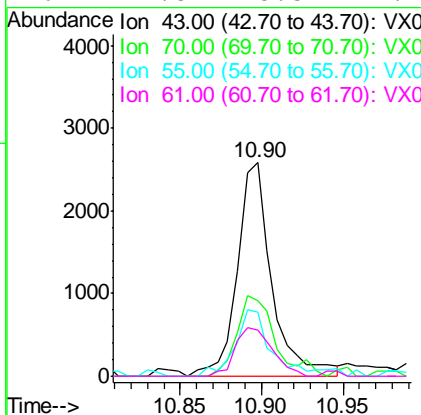
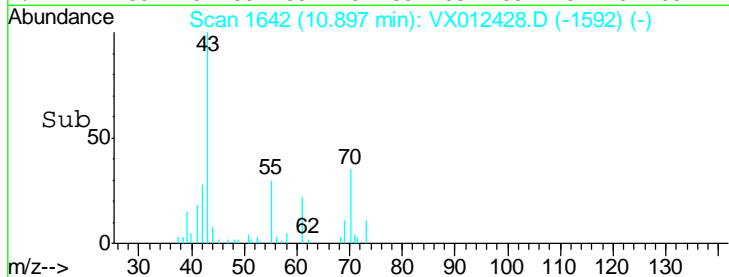
Instrument : MSVOA_X
 Client Sampled : VSTDIC001



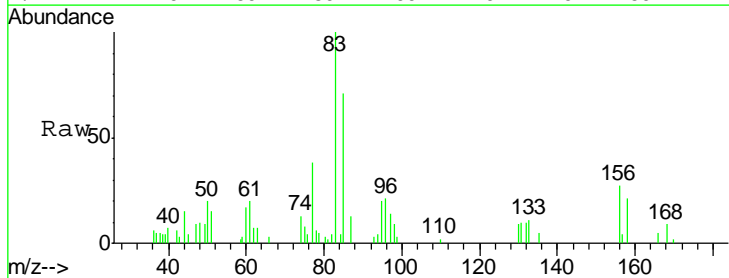
Tgt Ion	Resp	Lower	Upper
43	100		
70	41.3	32.4	48.6
55	33.9	18.2	27.4
61	24.5	18.5	27.7

Manual Integrations
 APPROVED

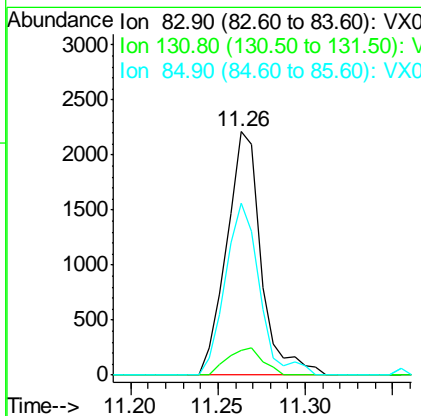
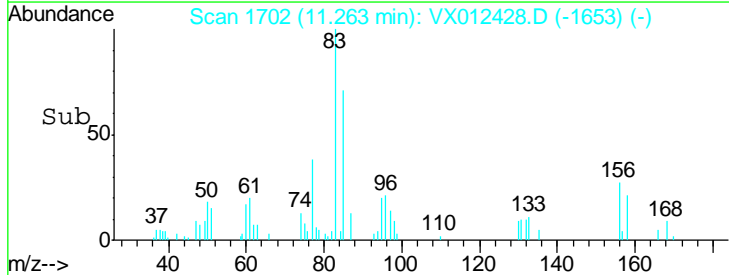
MMDadoda
 9/18/2019 11:22:02 AM

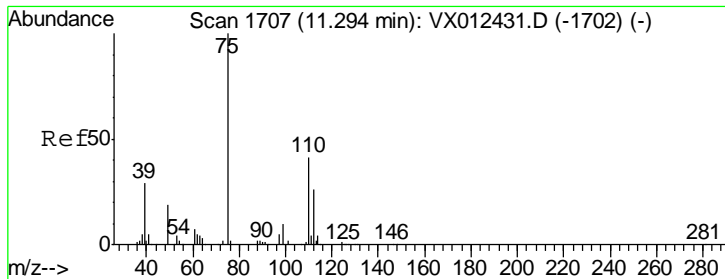


#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.880 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59



Tgt Ion	Resp	Lower	Upper
83	100		
131	11.4	5.2	15.6
85	70.0	32.0	96.0





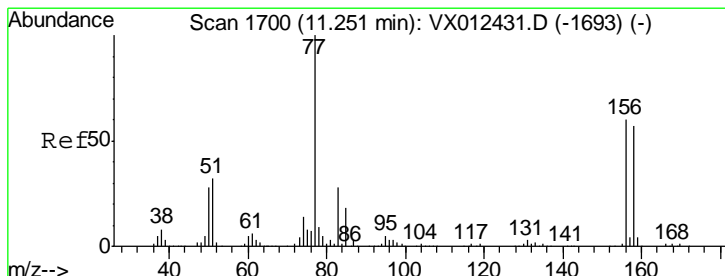
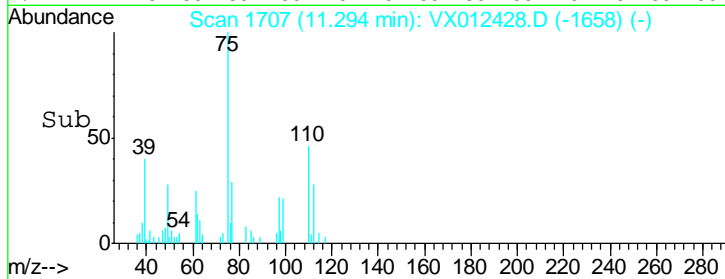
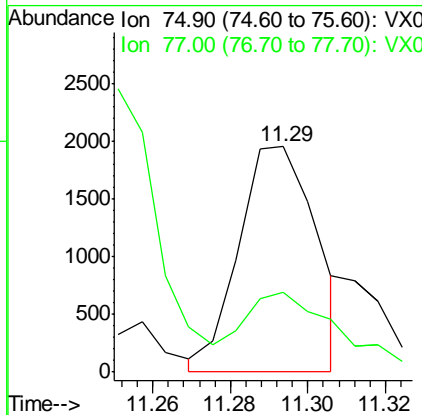
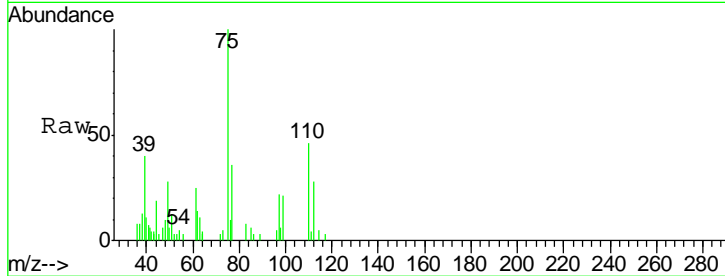
#76
 1,2,3-Trichloropropane
 Concen: 0.847 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	2719		
75	100		
77	46.3	19.7	59.0

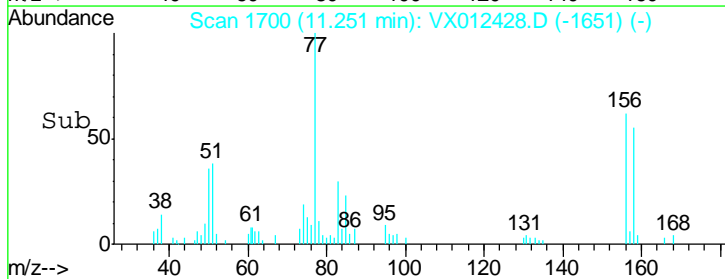
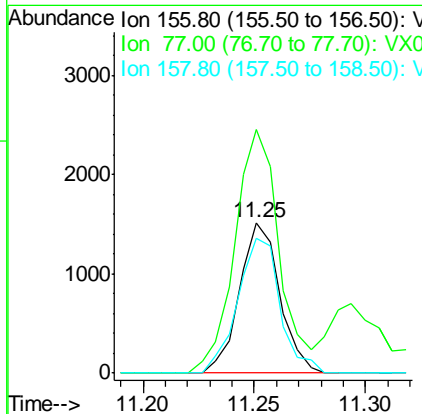
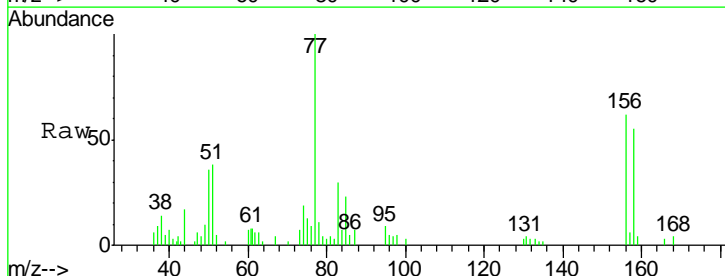
Manual Integrations
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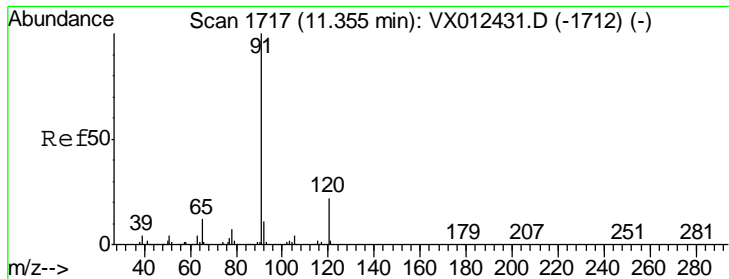
MMDadoda
 9/18/2019 11:22:02 AM



#77
 Bromobenzene
 Concen: 0.866 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
156	1910		
156	100		
77	178.6	87.3	261.8
158	94.6	48.5	145.6





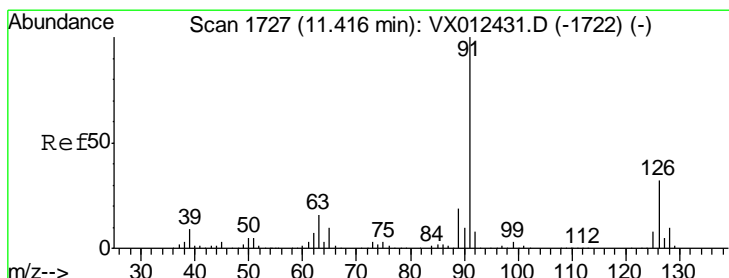
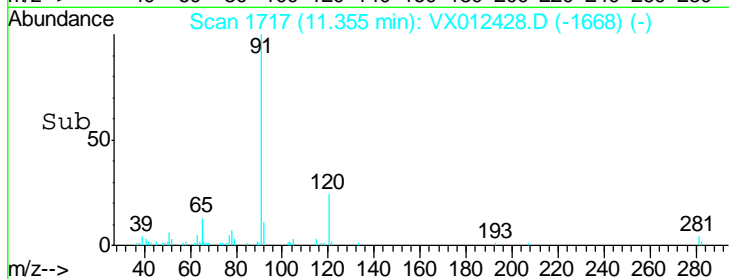
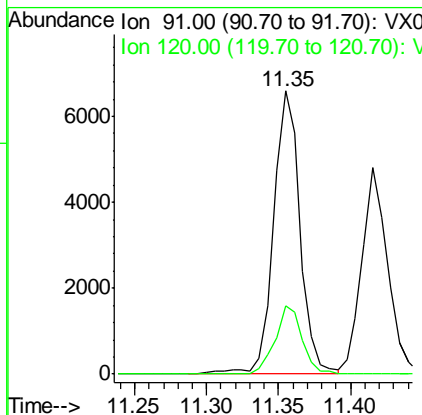
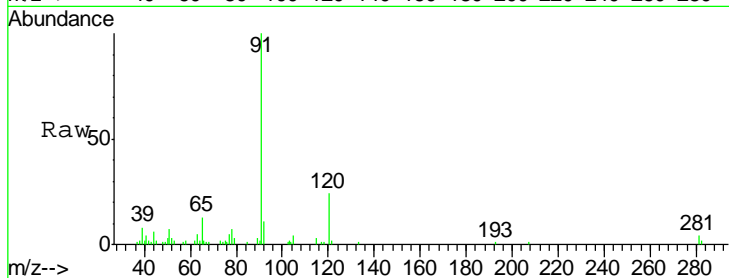
#78
 n-propylbenzene
 Concen: 0.867 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
120	24.4	11.3	33.8

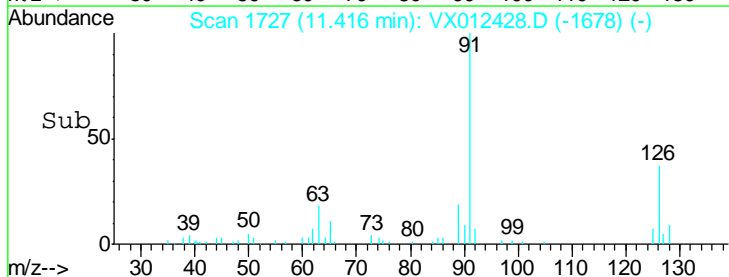
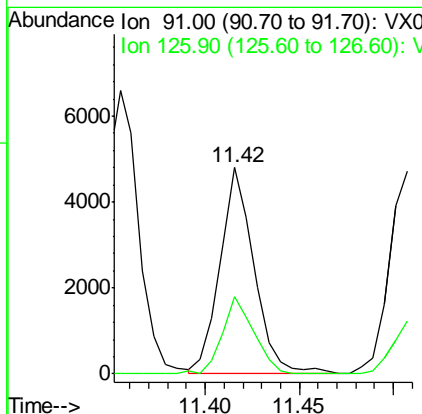
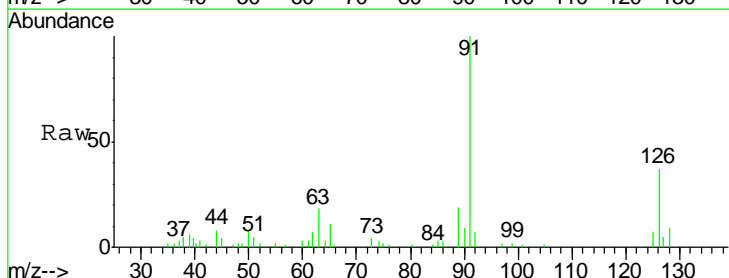
Manual Integrations
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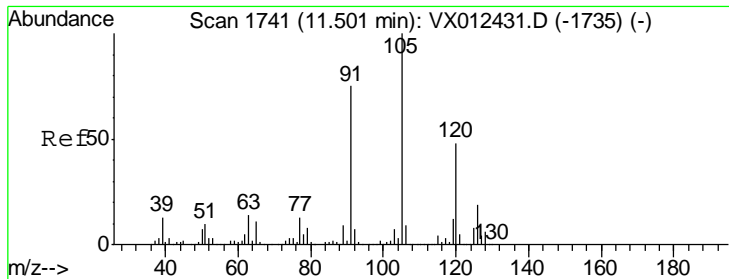
MMDadoda
 9/18/2019 11:22:02 AM



#79
 2-Chlorotoluene
 Concen: 0.969 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.3	16.4	49.4





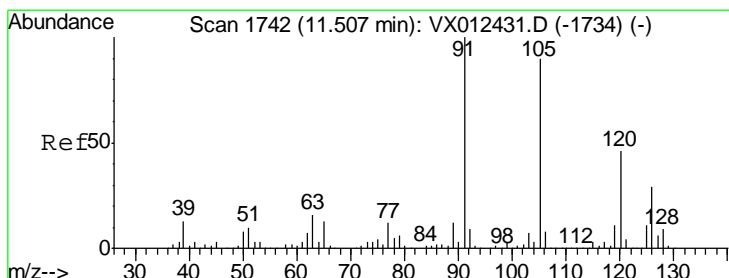
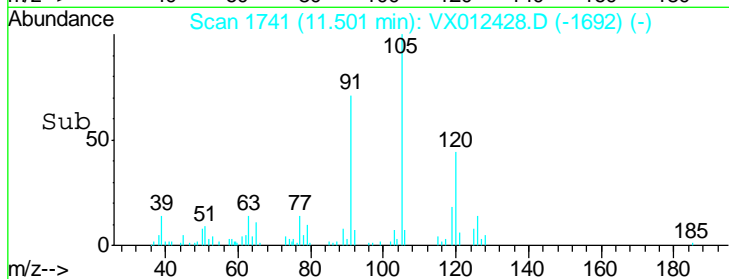
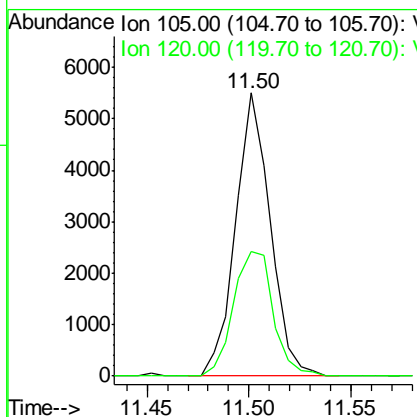
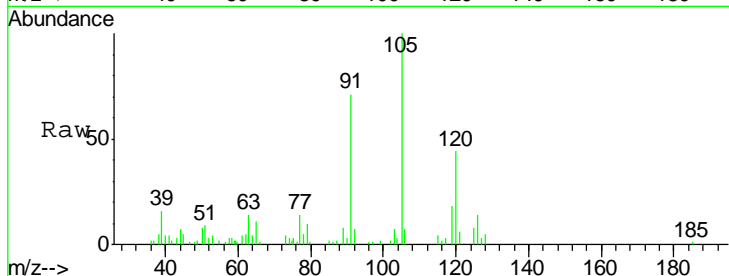
#80
 1,3,5-Trimethylbenzene
 Concen: 0.863 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	6470		
105	100		
120	50.5	24.3	72.8

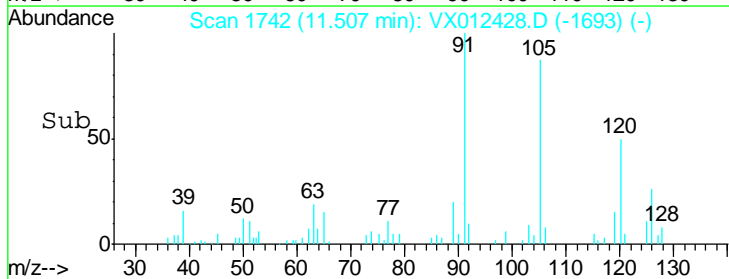
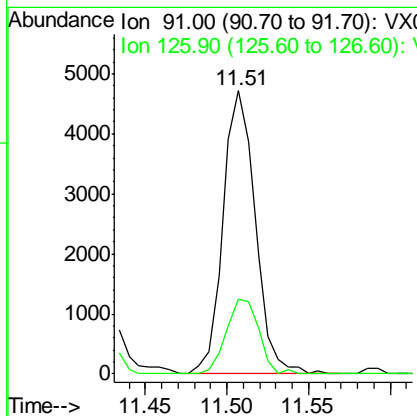
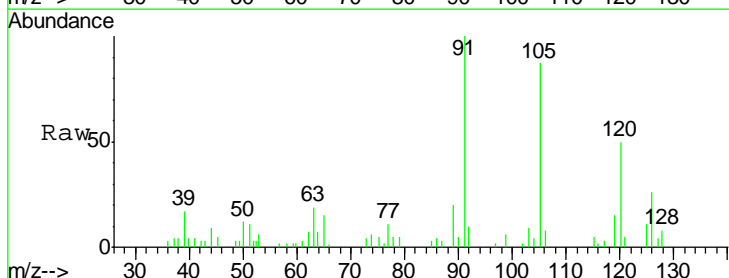
Manual Integrations
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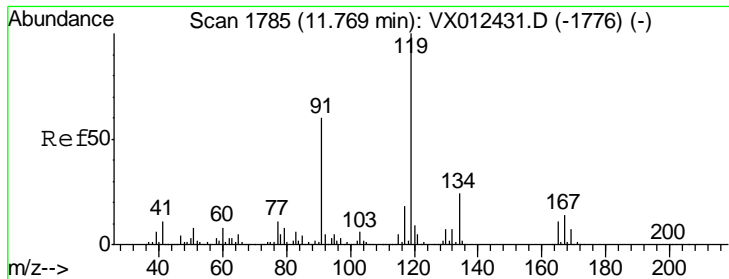
MMDadoda
 9/18/2019 11:22:02 AM



#82
 4-Chlorotoluene
 Concen: 0.893 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
91	6494		
91	100		
126	26.6	14.4	43.0





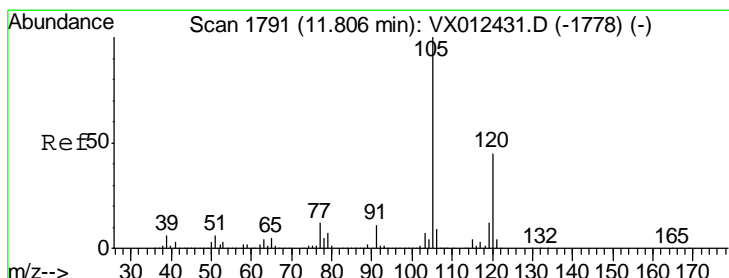
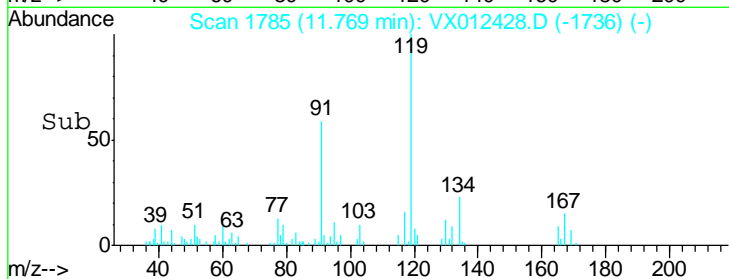
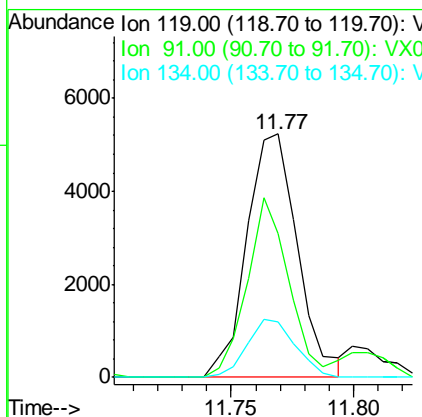
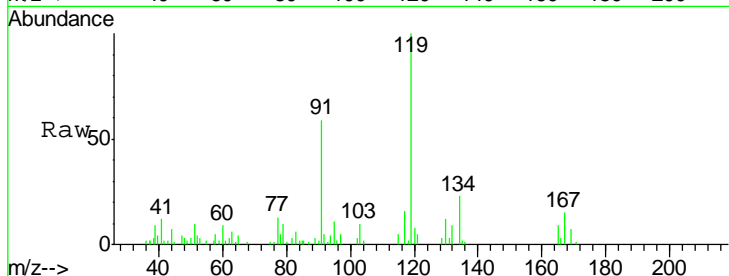
#83
 tert-Butylbenzene
 Concen: 0.949 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
119	7545		
91	60.7	30.0	90.0
134	22.5	11.3	33.9

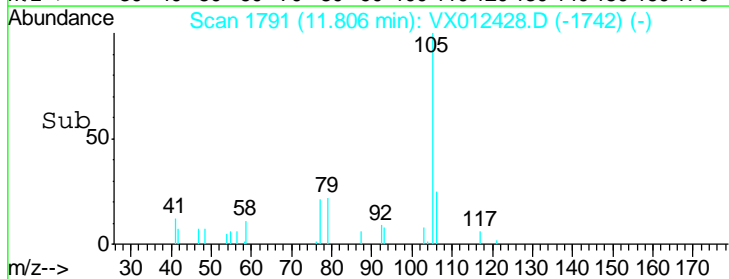
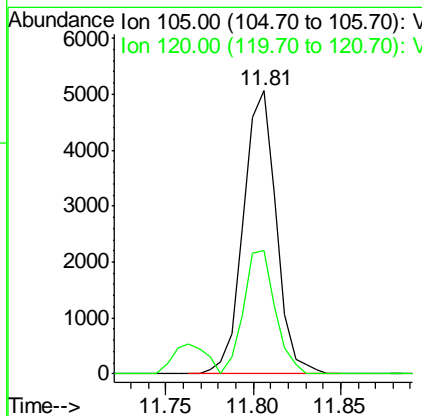
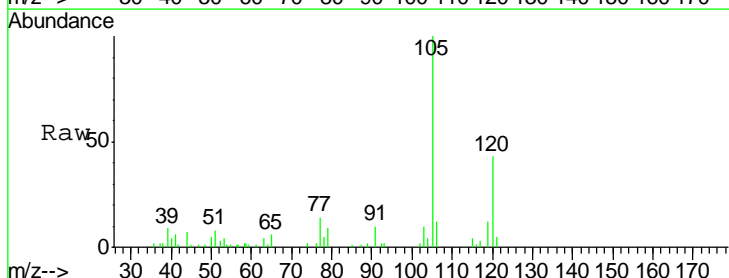
Manual Integrations
 APPROVED

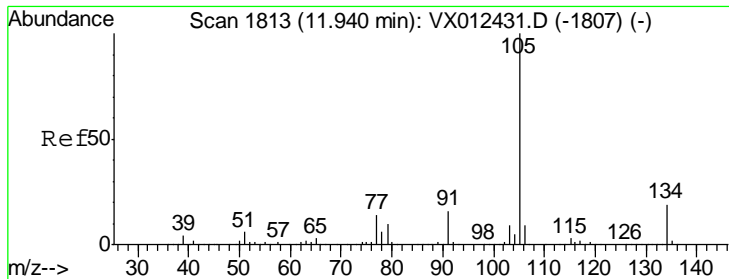
MMDadoda
 9/18/2019 11:22:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.870 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
105	6610		
120	41.9	22.2	66.6





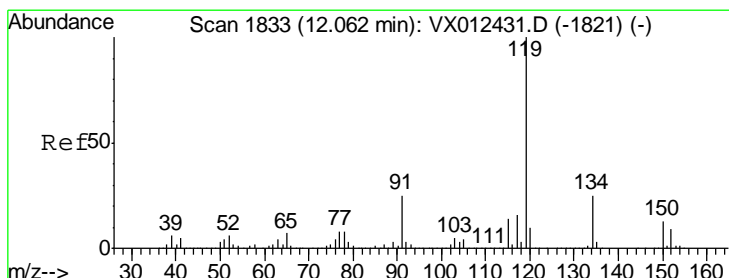
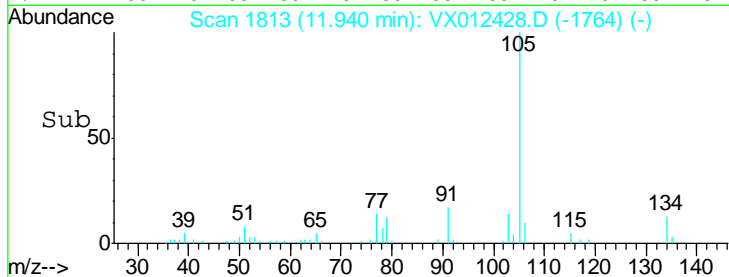
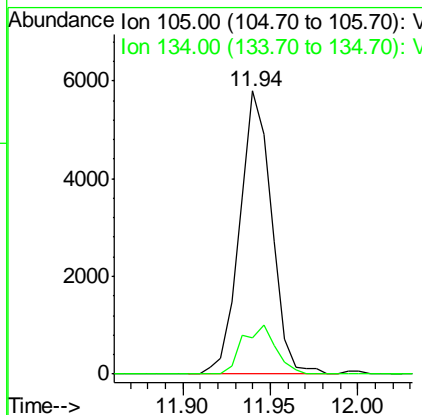
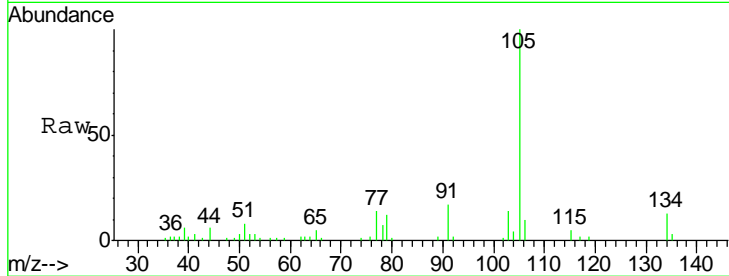
#85
 sec-Butylbenzene
 Concen: 0.833 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	7330		
134	18.1	9.8	29.4

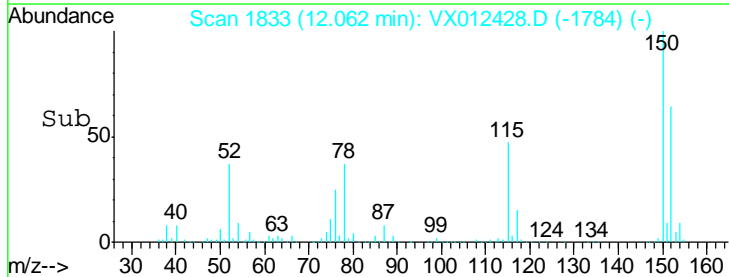
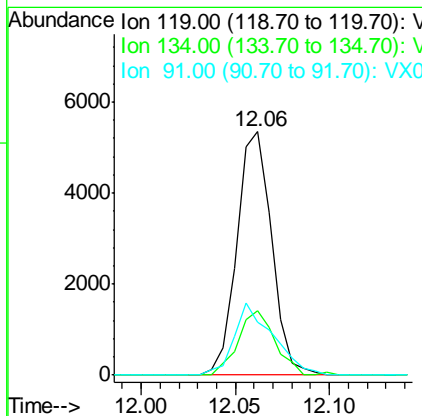
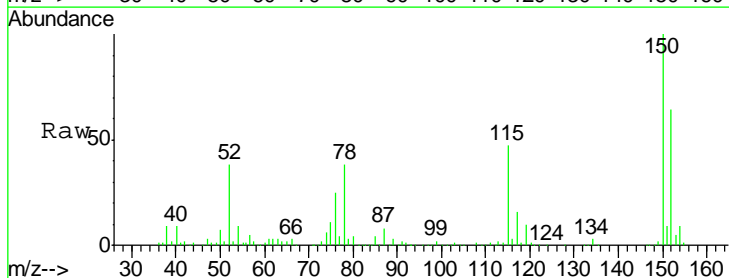
Manual Integrations
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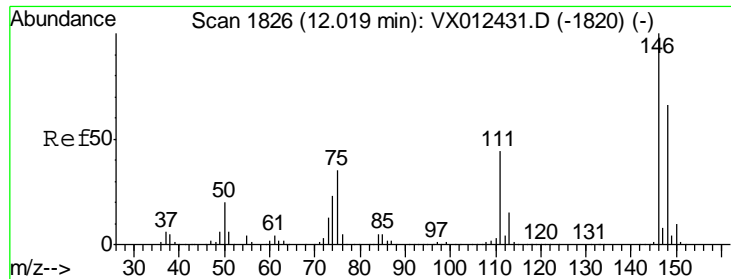
MMDadoda
 9/18/2019 11:22:02 AM



#86
 p-Isopropyltoluene
 Concen: 0.849 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

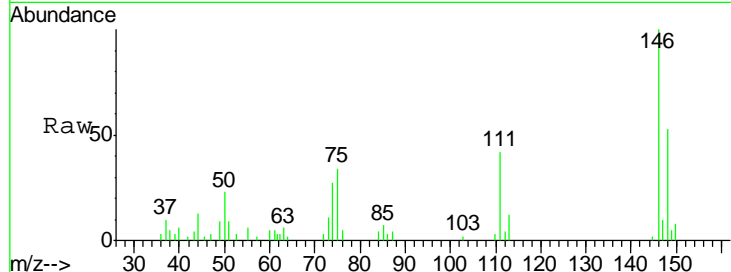
Tgt Ion	Resp	Lower	Upper
119	6837		
134	27.9	12.7	38.1
91	33.1	12.8	38.4





#87
 1,3-Dichlorobenzene
 Concen: 0.865 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

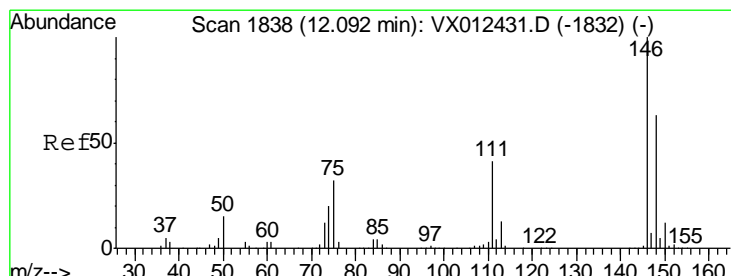
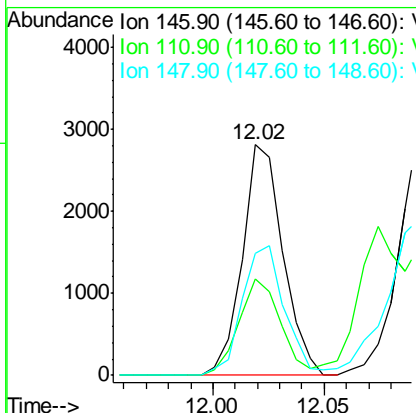
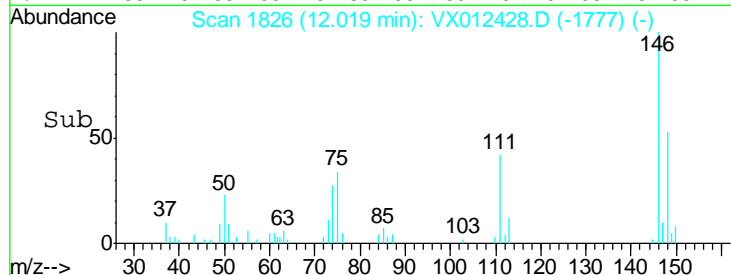
Instrument : MSVOA_X
 Client Sampled : VSTDIC001



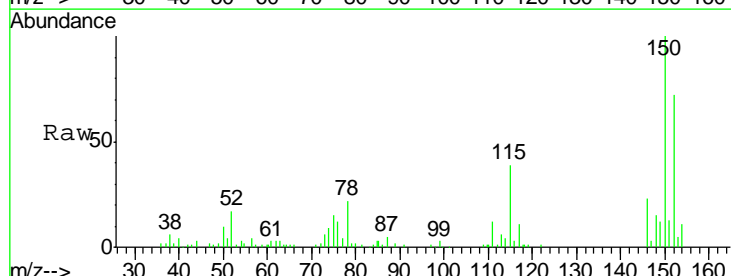
Tgt Ion: 146 Resp: 3586

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	64.0
148	58.9	32.4	97.2

Manual Integrations
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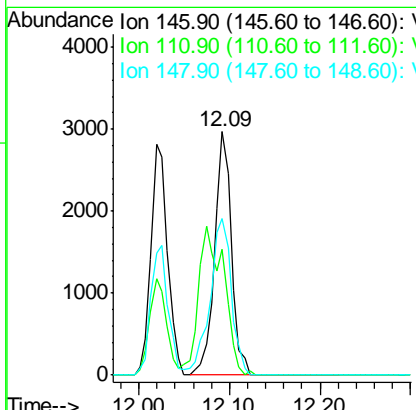
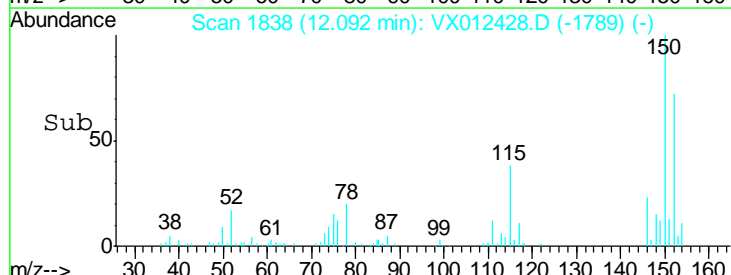


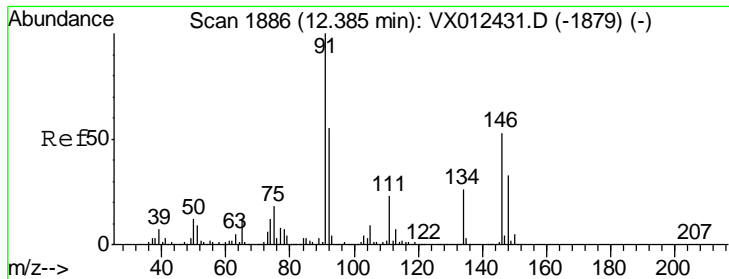
#88
 1,4-Dichlorobenzene
 Concen: 0.916 ug/l m
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59



Tgt Ion: 146 Resp: 3831

Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.3
148	55.1	32.1	96.5





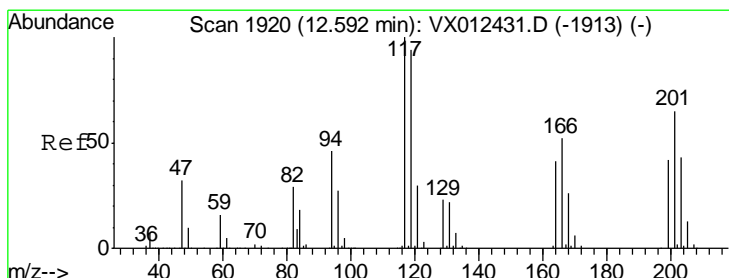
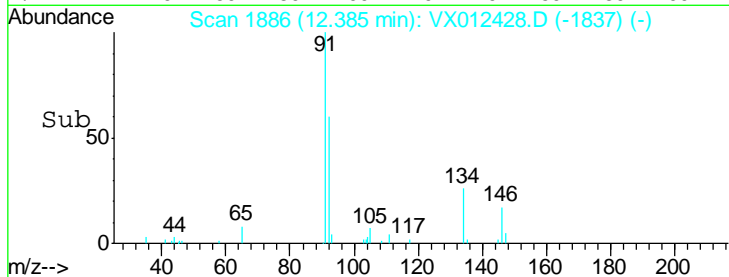
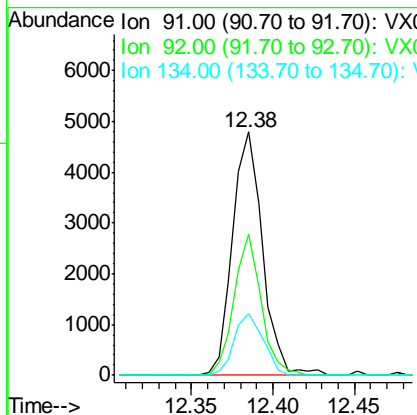
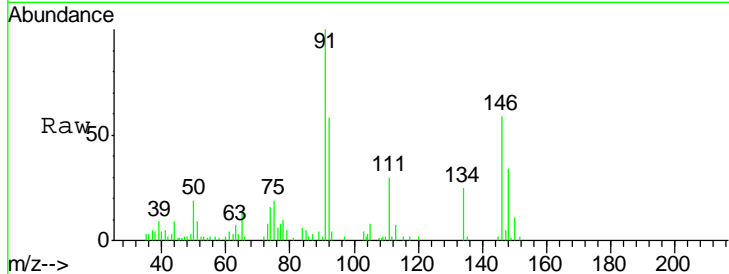
#89
 n-Butylbenzene
 Concen: 0.865 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.2	27.7	83.0
134	24.4	12.9	38.6

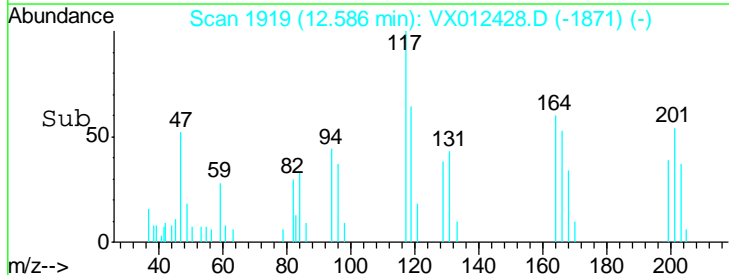
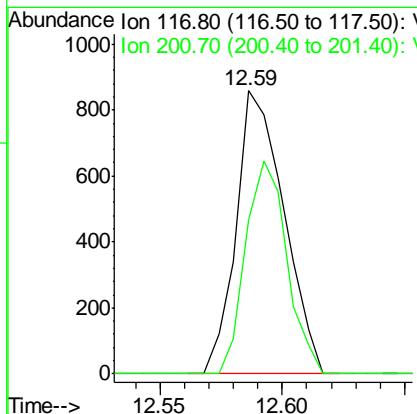
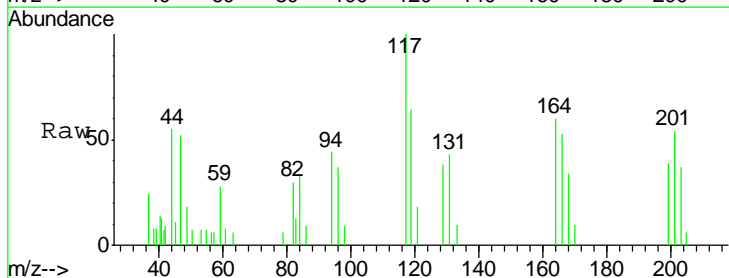
Manual Integrations
 APPROVED

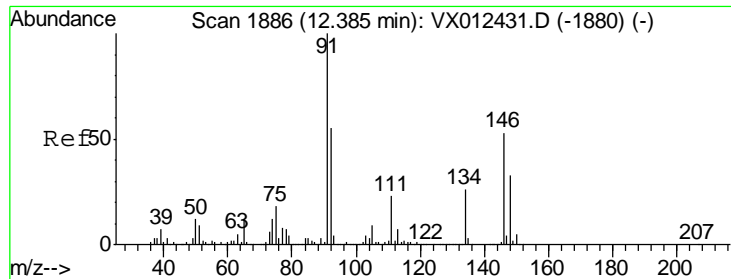
MMDadoda
 9/18/2019 11:22:02 AM



#90
 Hexachloroethane
 Concen: 0.747 ug/l
 RT: 12.59 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
117	100		
201	64.9	33.3	99.8





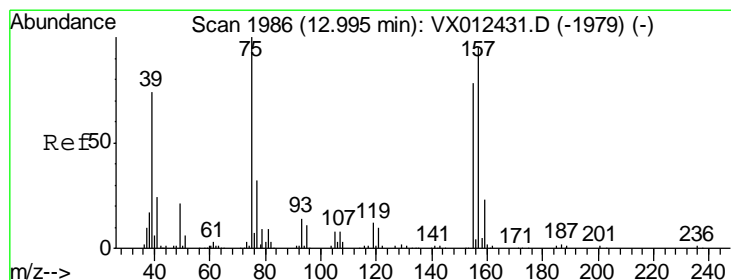
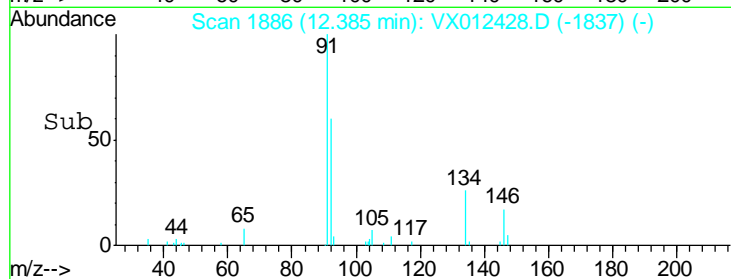
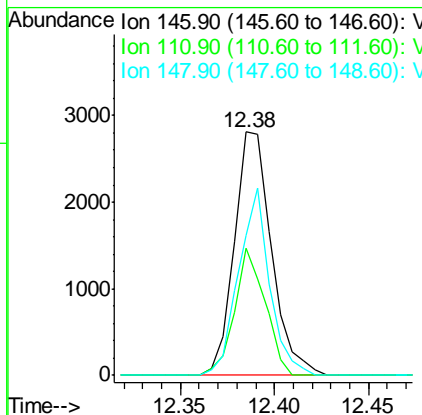
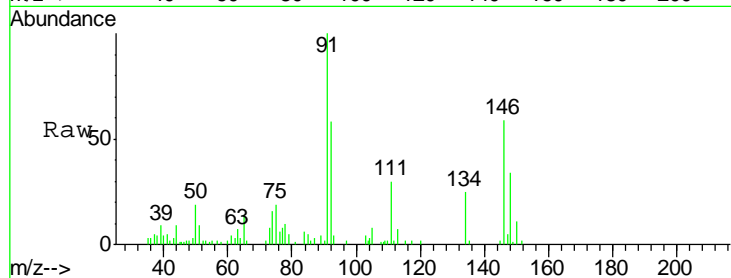
#91
 1,2-Dichlorobenzene
 Concen: 0.905 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
146	3846		
146	100		
111	43.0	22.1	66.1
148	64.1	31.3	93.9

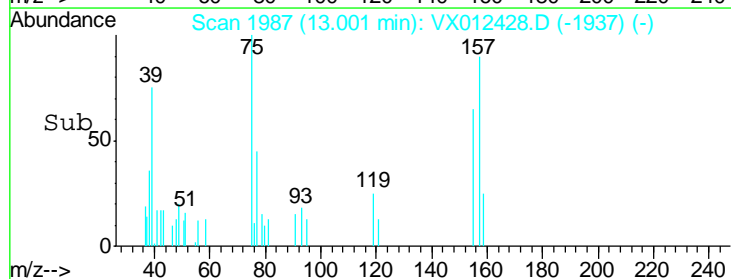
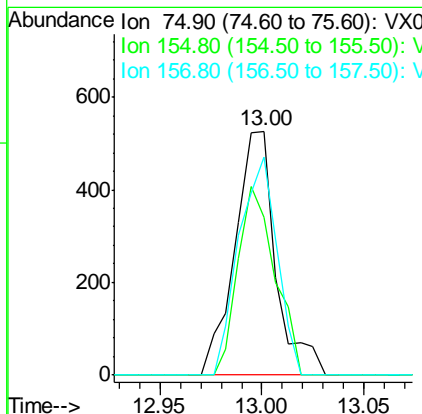
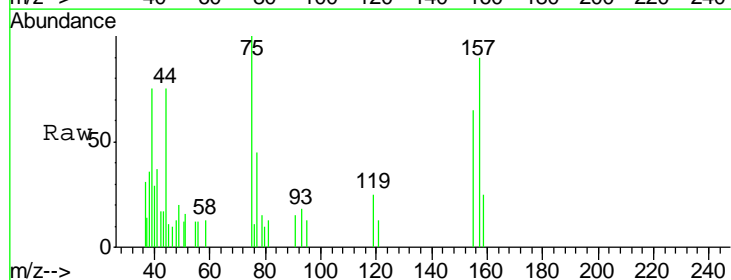
Manual Integrations
 APPROVED

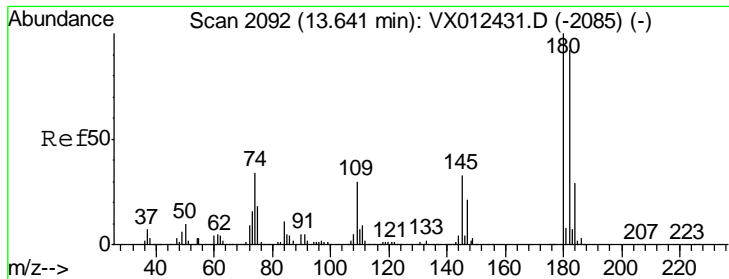
MMDadoda
 9/18/2019 11:22:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.804 ug/l
 RT: 13.00 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

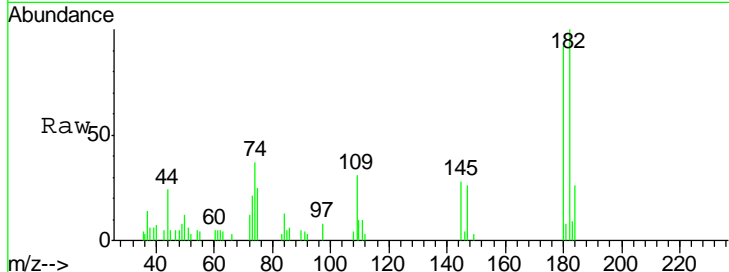
Tgt Ion	Resp	Lower	Upper
75	736		
75	100		
155	69.8	38.6	115.8
157	83.0	50.6	151.9





#93
 1,2,4-Trichlorobenzene
 Concen: 0.766 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

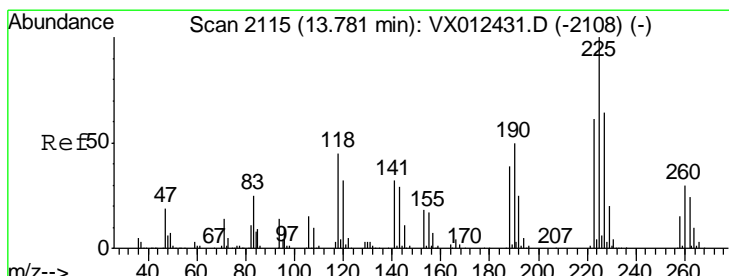
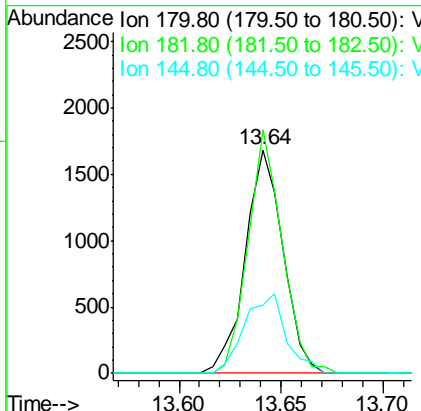
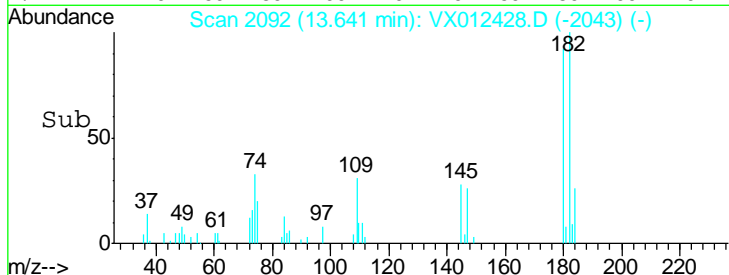


Tgt Ion: 180 Resp: 2170

Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.0	141.0
145	39.0	16.8	50.4

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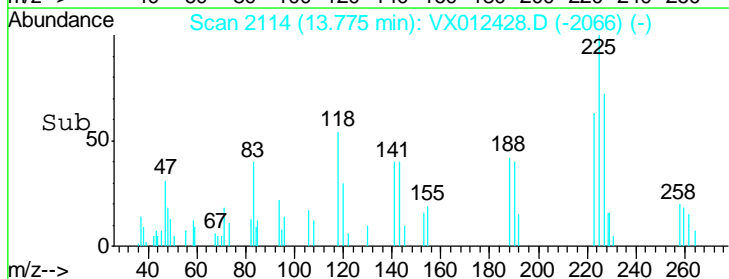
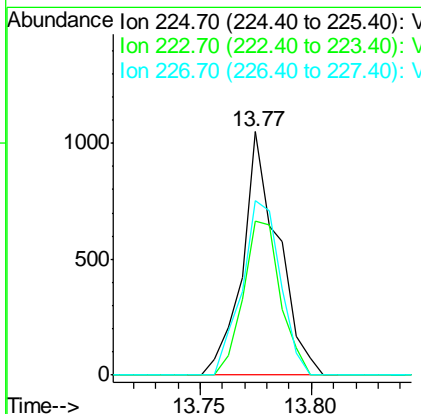
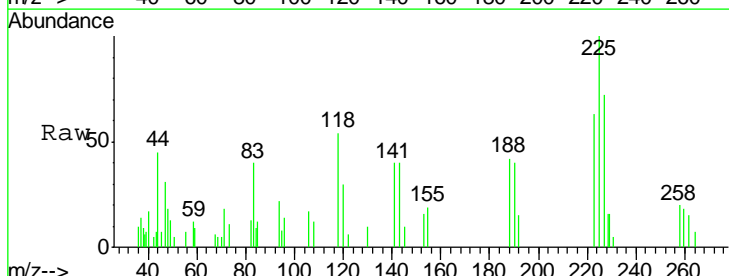
MMDadoda
 9/18/2019 11:22:02 AM

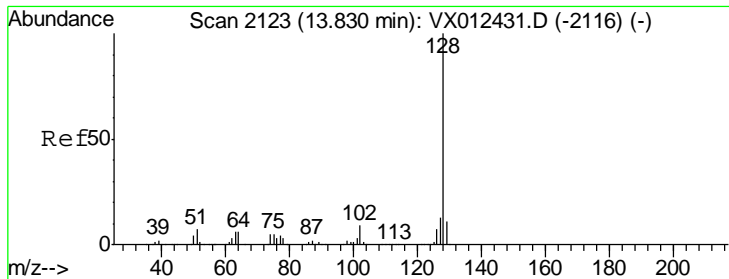


#94
 Hexachlorobutadiene
 Concen: 0.864 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion: 225 Resp: 1171

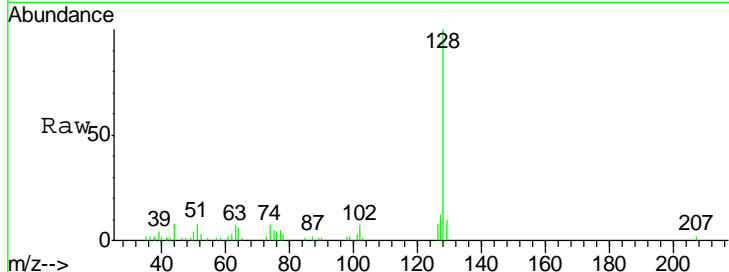
Ion	Ratio	Lower	Upper
225	100		
223	66.4	32.0	96.2
227	77.7	31.9	95.5





#95
 Naphthalene
 Concen: 0.727 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

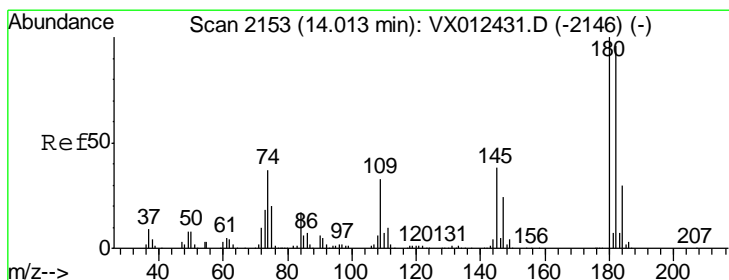
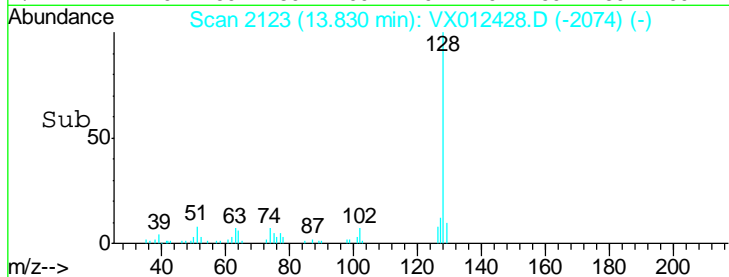
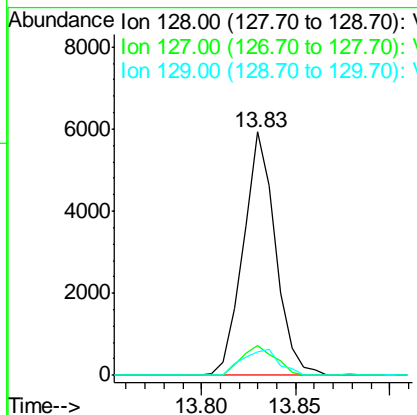
Instrument : MSVOA_X
 Client Sampled : VSTDIC001



Tgt Ion	Resp	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	12.2	8.8	13.2

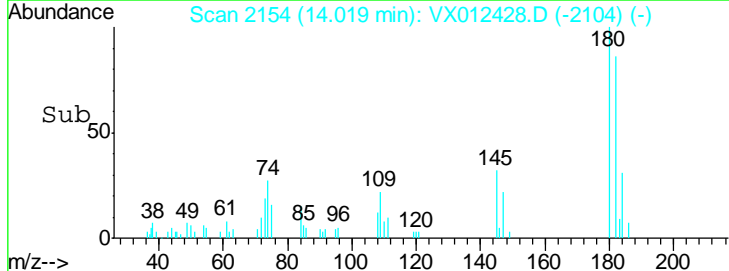
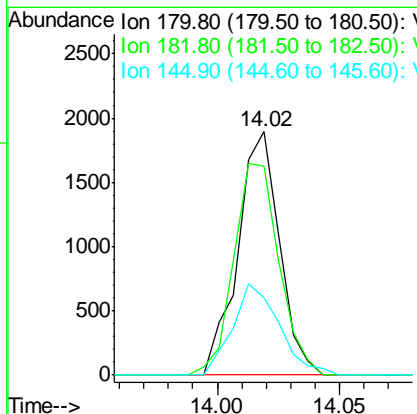
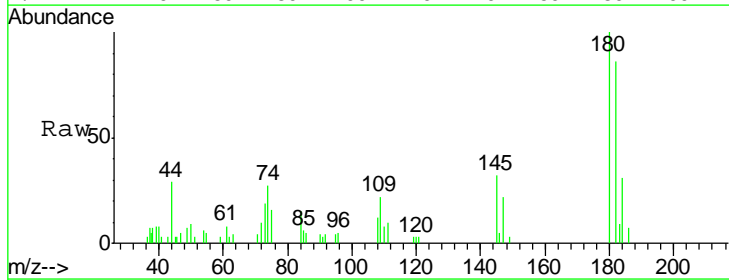
Manual Integrations
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 9/18/2019 11:22:02 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 0.797 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX012428.D
 Acq: 17 Sep 2019 11:59

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.6	47.1	141.3
145	42.0	18.0	54.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012429.D
 Acq On : 17 Sep 2019 12:23
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:05 AM

Quant Time: Sep 17 13:46:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	164703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	13114	4.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.40%	
35) Dibromofluoromethane	5.48	113	8943	3.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.18%	
50) Toluene-d8	8.71	98	33567	3.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.62%	
62) 4-Bromofluorobenzene	11.14	95	13399	3.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.18%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	3808	2.777	ug/l 93
3) Chloromethane	1.32	50	3789	3.188	ug/l 95
4) Vinyl Chloride	1.40	62	4239	3.234	ug/l 98
5) Bromomethane	1.62	94	1964	3.584	ug/l 98
6) Chloroethane	1.70	64	4058	4.659	ug/l # 85
7) Trichlorofluoromethane	1.92	101	8072	3.371	ug/l 95
8) Diethyl Ether	2.18	74	3752	3.550	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6024	3.491	ug/l 96
10) Methyl Iodide	2.50	142	3255	2.053	ug/l 98
11) Tert butyl alcohol	3.04	59	20205	25.161	ug/l 97
12) 1,1-Dichloroethene	2.36	96	4822	3.555	ug/l 98
13) Acrolein	2.28	56	8007	23.967	ug/l 98
14) Allyl chloride	2.72	41	12046	3.824	ug/l 97
15) Acrylonitrile	3.13	53	25853	19.283	ug/l 97
16) Acetone	2.44	43	32890	22.492	ug/l 100
17) Carbon Disulfide	2.55	76	4712	2.630	ug/l 98
18) Methyl Acetate	2.77	43	11942	3.715	ug/l 100
19) Methyl tert-butyl Ether	3.19	73	27774	3.770	ug/l 100
20) Methylene Chloride	2.84	84	6862	3.493	ug/l 94
21) trans-1,2-Dichloroethene	3.16	96	4792	3.286	ug/l 96
22) Diisopropyl ether	3.84	45	27688	3.829	ug/l 93
23) Vinyl Acetate	3.80	43	109919	18.429	ug/l 98
24) 1,1-Dichloroethane	3.68	63	13248	3.658	ug/l 98
25) 2-Butanone	4.67	43	42537	20.608	ug/l 96
26) 2,2-Dichloropropane	4.57	77	12735	3.684	ug/l 97
27) cis-1,2-Dichloroethene	4.58	96	7612	3.551	ug/l 90
28) Bromochloromethane	5.00	49	7092	3.837	ug/l # 99
29) Tetrahydrofuran	5.12	42	22708	19.021	ug/l 99
30) Chloroform	5.19	83	15477	3.708	ug/l 87
31) Cyclohexane	5.58	56	7008	3.227	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	12721	3.679	ug/l 99
36) 1,1-Dichloropropene	5.79	75	7597	3.102	ug/l 94
37) Ethyl Acetate	4.83	43	12366	3.281	ug/l # 89
38) Carbon Tetrachloride	5.77	117	9445	3.186	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012429.D
 Acq On : 17 Sep 2019 12:23
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC005

Manual Integrations
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MMDadoda
 9/18/2019 11:22:05 AM

Quant Time: Sep 17 13:46:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	7035	3.006	ug/l #	93
40) Benzene	6.14	78	25723	3.430	ug/l	96
41) Methacrylonitrile	5.04	41	8036	3.742	ug/l	94
42) 1,2-Dichloroethane	6.19	62	12179	3.556	ug/l	98
43) Isopropyl Acetate	6.44	43	22210	3.426	ug/l	97
44) Trichloroethene	7.21	130	6785	3.370	ug/l	79
45) 1,2-Dichloropropane	7.51	63	7903	3.426	ug/l	97
46) Dibromomethane	7.65	93	5225	3.411	ug/l	96
47) Bromodichloromethane	7.89	83	11540	3.383	ug/l	97
48) Methyl methacrylate	7.76	41	9812	3.409	ug/l	92
49) 1,4-Dioxane	7.74	88	5232	71.242	ug/l #	92
51) 4-Methyl-2-Pentanone	8.64	43	76014	18.124	ug/l	99
52) Toluene	8.78	92	16046	3.292	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	11266	3.183	ug/l	92
54) cis-1,3-Dichloropropene	8.43	75	11661	3.183	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	8994	3.486	ug/l	97
56) Ethyl methacrylate	9.17	69	12893	3.326	ug/l	97
57) 1,3-Dichloropropane	9.37	76	14334	3.510	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	36305	17.569	ug/l	97
59) 2-Hexanone	9.49	43	59080	18.222	ug/l	98
60) Dibromochloromethane	9.58	129	7981	3.029	ug/l	97
61) 1,2-Dibromoethane	9.67	107	7907	3.343	ug/l	98
64) Tetrachloroethene	9.33	164	5757	3.681	ug/l	92
65) Chlorobenzene	10.14	112	19760	3.591	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	7997	3.429	ug/l	95
67) Ethyl Benzene	10.25	91	33199	3.525	ug/l	100
68) m/p-Xylenes	10.36	106	24597	7.090	ug/l	100
69) o-Xylene	10.70	106	12957	3.599	ug/l	99
70) Styrene	10.71	104	21498	3.446	ug/l	99
71) Bromoform	10.86	173	5632	3.148	ug/l #	96
73) Isopropylbenzene	11.01	105	37073	4.688	ug/l	97
74) N-amyl acetate	10.89	43	19238	4.566	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	14829	4.680	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	13508m	4.592	ug/l	
77) Bromobenzene	11.25	156	8866	4.385	ug/l	96
78) n-propylbenzene	11.35	91	38554	4.317	ug/l	99
79) 2-Chlorotoluene	11.42	91	26772	4.678	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	30274	4.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	3640	3.495	ug/l #	78
82) 4-Chlorotoluene	11.51	91	30351	4.554	ug/l	97
83) tert-Butylbenzene	11.77	119	32599	4.476	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	31064	4.459	ug/l	97
85) sec-Butylbenzene	11.94	105	35971	4.460	ug/l	99
86) p-Isopropyltoluene	12.06	119	31690	4.296	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	16378	4.313	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	17243	4.497	ug/l	91
89) n-Butylbenzene	12.39	91	27641	4.243	ug/l	97
90) Hexachloroethane	12.59	117	5583	3.922	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	17881	4.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3572	4.260	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012429.D
 Acq On : 17 Sep 2019 12:23
 Operator : JC/SP
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
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 9/18/2019 11:22:05 AM

Quant Time: Sep 17 13:46:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	10566	4.069	ug/l	99
94) Hexachlorobutadiene	13.78	225	5075	4.088	ug/l	94
95) Naphthalene	13.83	128	38111	4.297	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	10789	4.175	ug/l	97

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

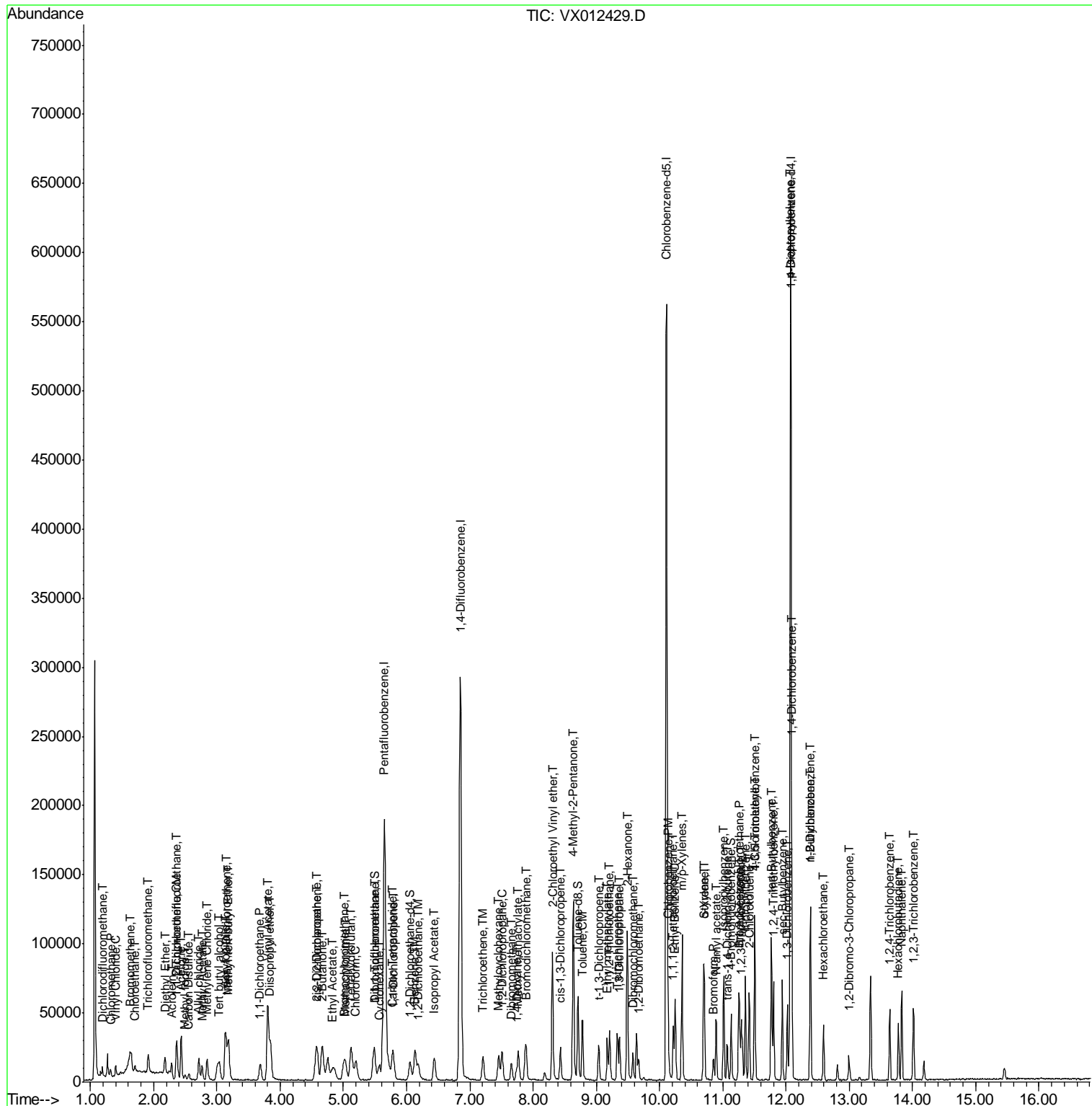
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 Data File : VX012429.D
 Acq On : 17 Sep 2019 12:23
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC005

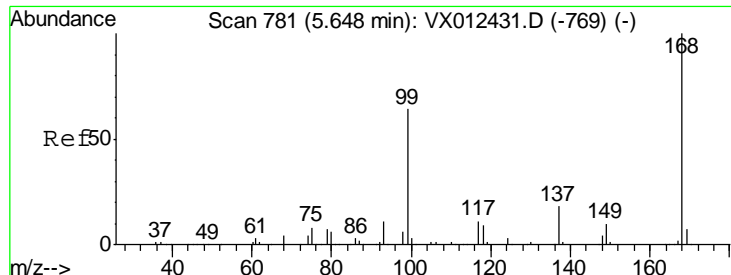
Manual Integrations
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MMDadoda
 9/18/2019 11:22:05 AM

Quant Time: Sep 17 13:46:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration



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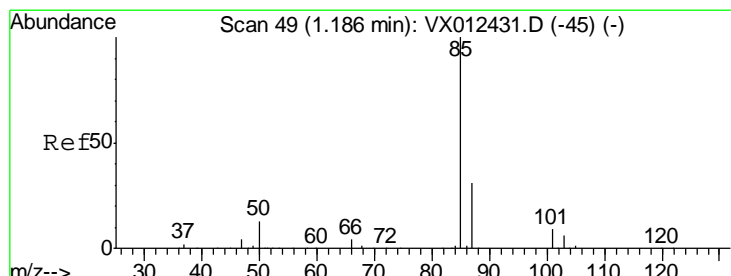
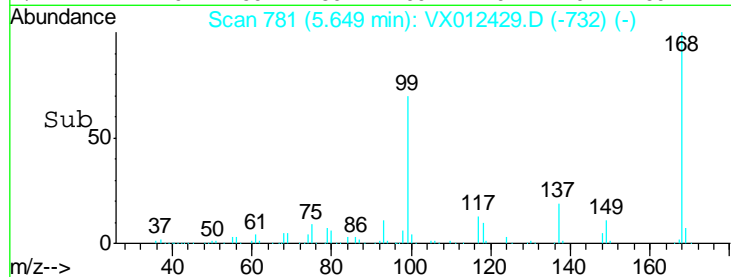
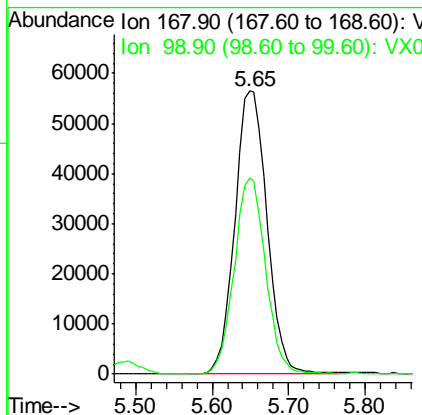
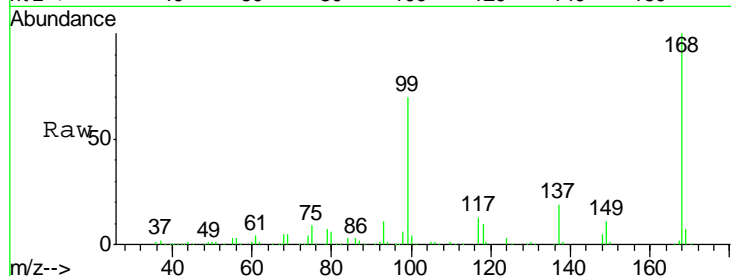
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
168	100		
99	69.5	51.4	77.2

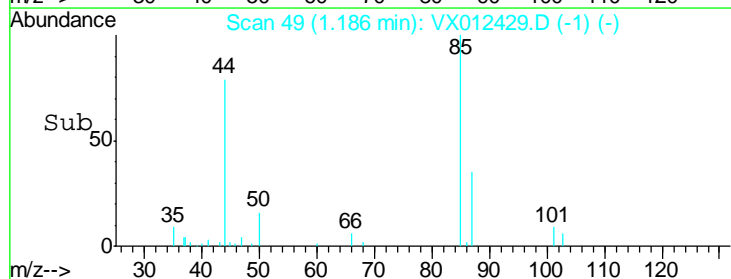
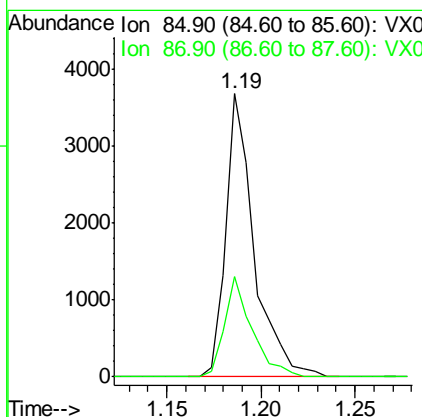
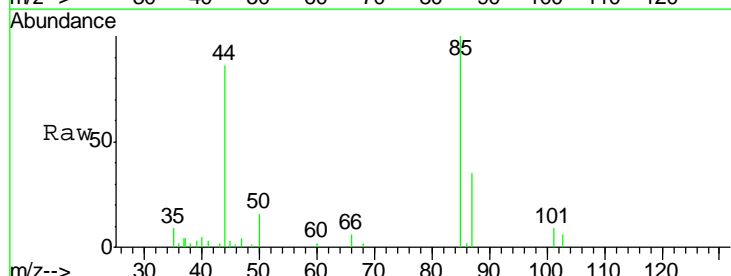
Manual Integrations
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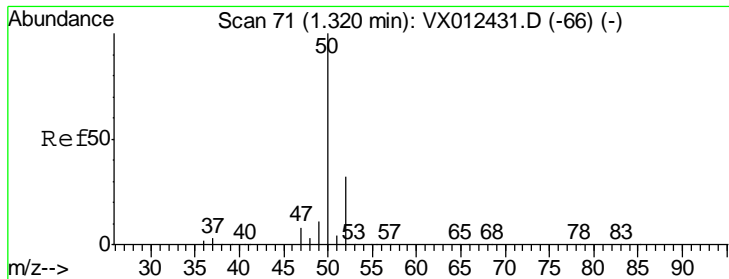
MMDadoda
 9/18/2019 11:22:05 AM



#2
 Dichlorodifluoromethane
 Concen: 2.777 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
85	100		
87	35.3	15.6	46.8





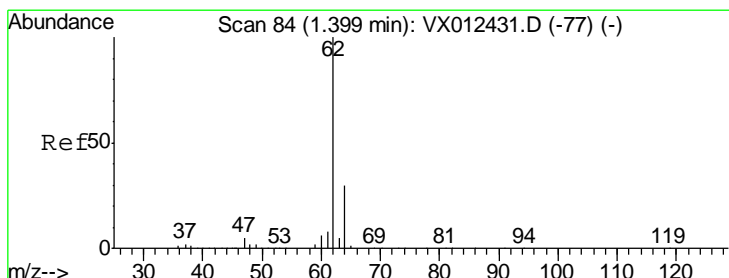
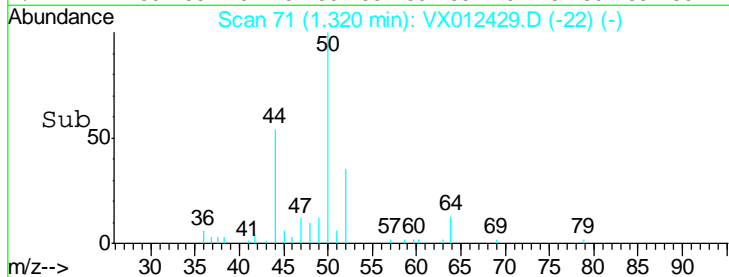
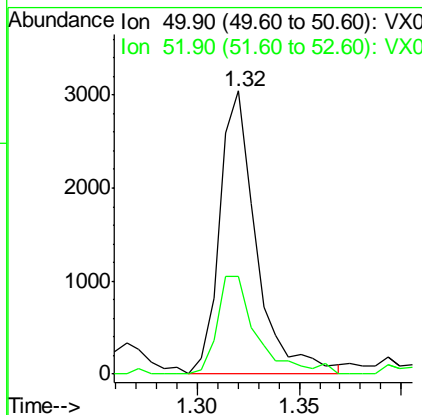
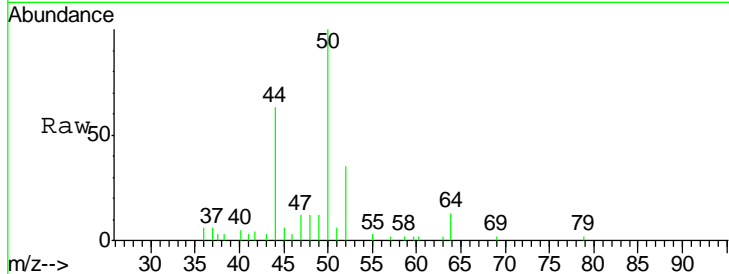
#3
 Chloromethane
 Concen: 3.188 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
50	100		
52	34.6	25.7	38.5

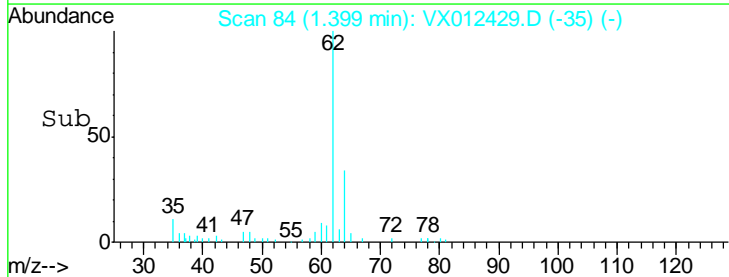
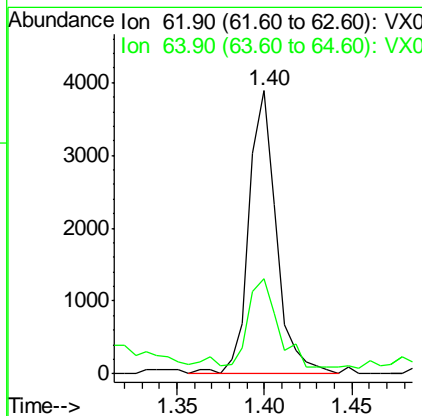
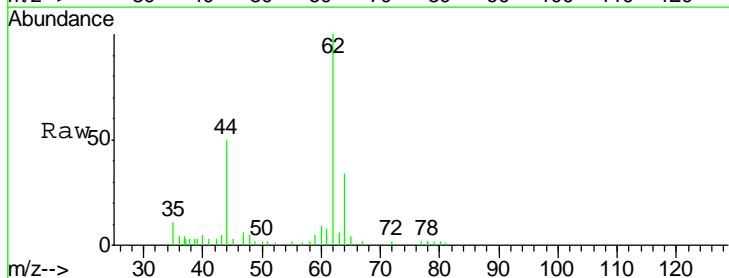
Manual Integrations
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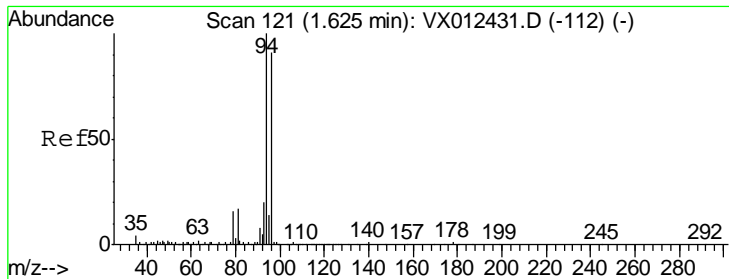
MMDadoda
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#4
 Vinyl Chloride
 Concen: 3.234 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.0	24.2	36.2



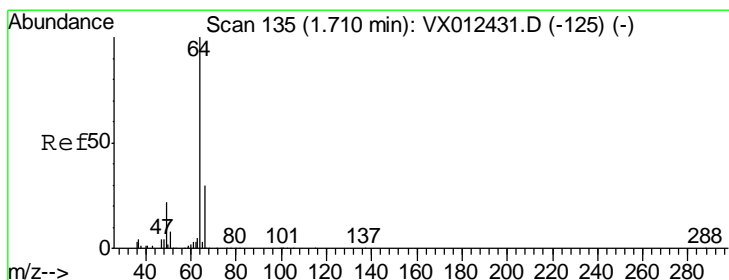
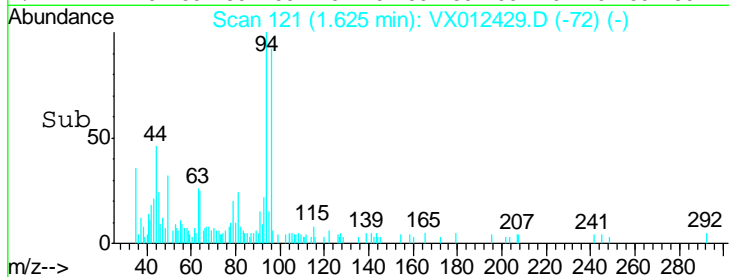
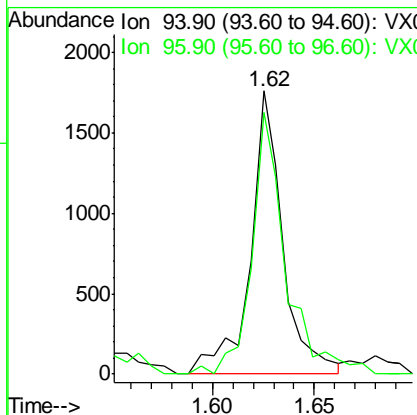
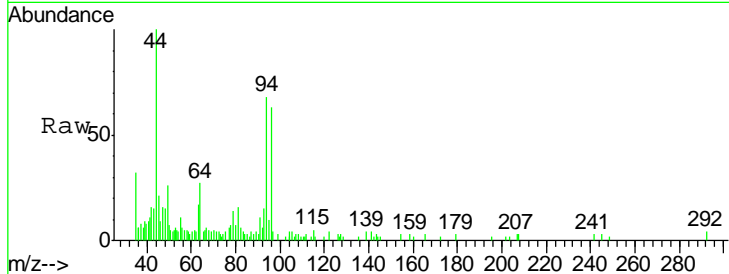


#5
 Bromomethane
 Concen: 3.584 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
94	1964		
94	100		
96	92.4	72.8	109.2

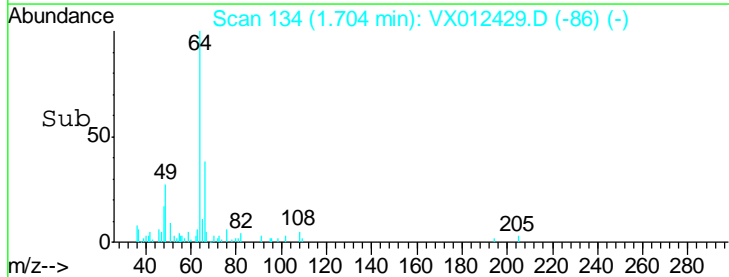
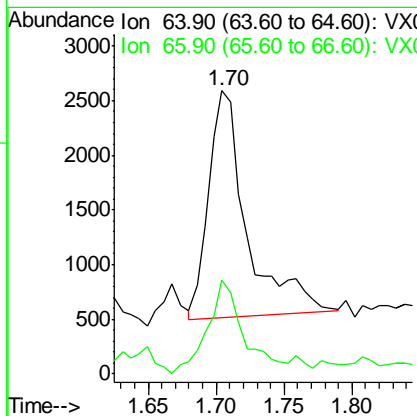
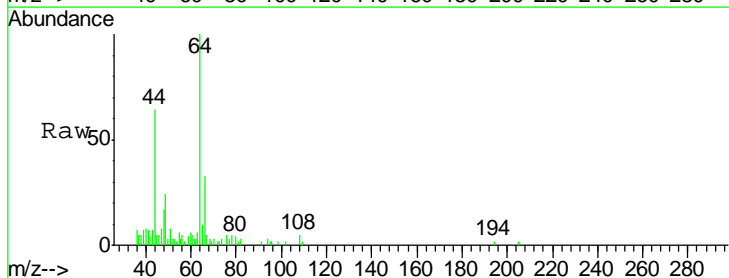
Instrument : MSVOA_X
 Client Sampled : VSTDIC005

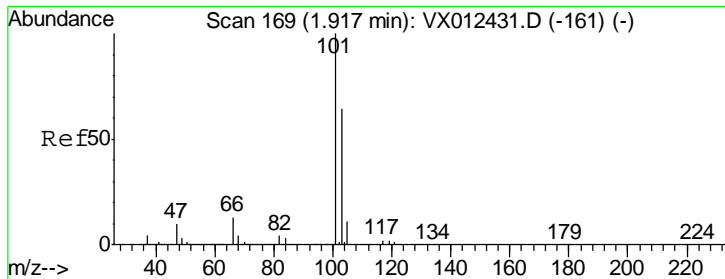
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#6
 Chloroethane
 Concen: 4.659 ug/l
 RT: 1.70 min Scan# 134
 Delta R.T. -0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
64	4058		
64	100		
66	38.3	24.0	36.0#





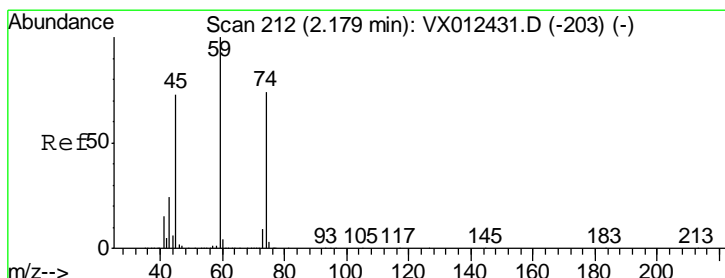
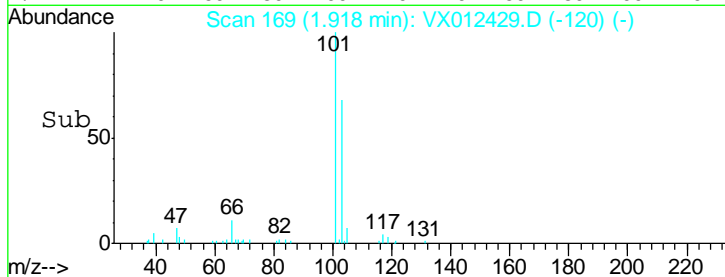
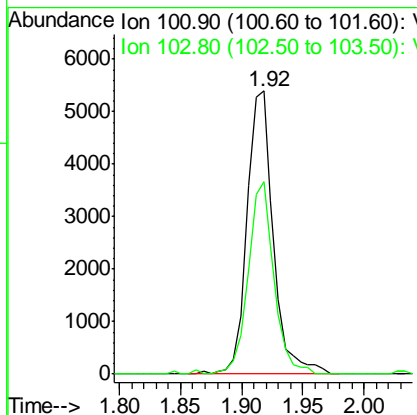
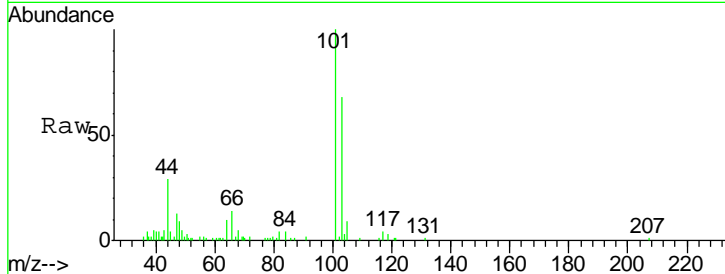
#7
 Trichlorofluoromethane
 Concen: 3.371 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	8072		
103	68.0	51.0	76.4

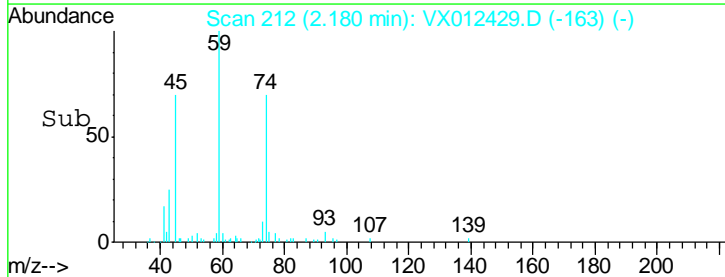
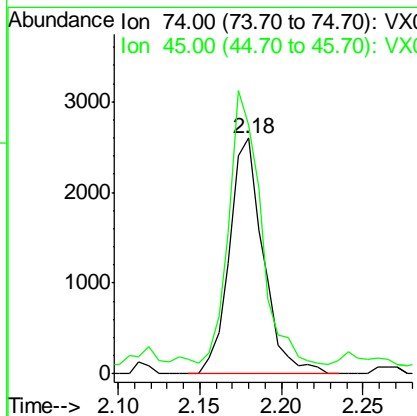
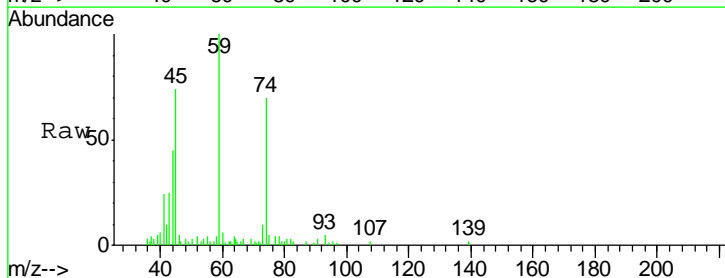
Manual Integrations
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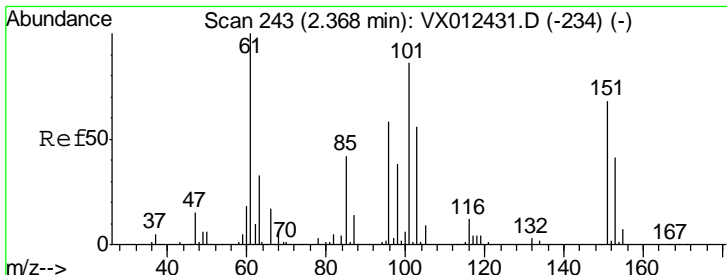
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#8
 Diethyl Ether
 Concen: 3.550 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

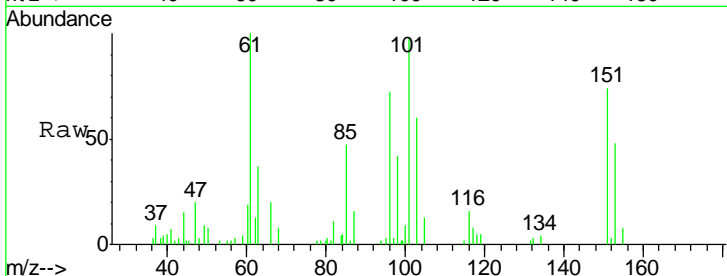
Tgt Ion	Resp	Lower	Upper
74	3752		
45	108.8	49.9	149.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 3.491 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

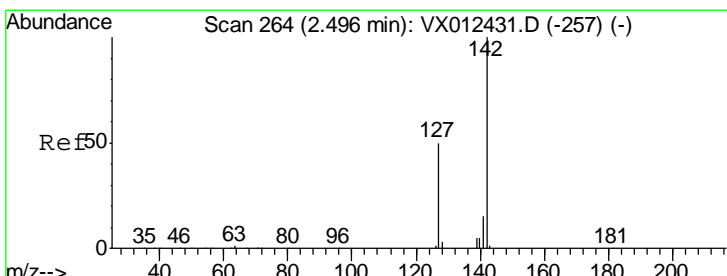
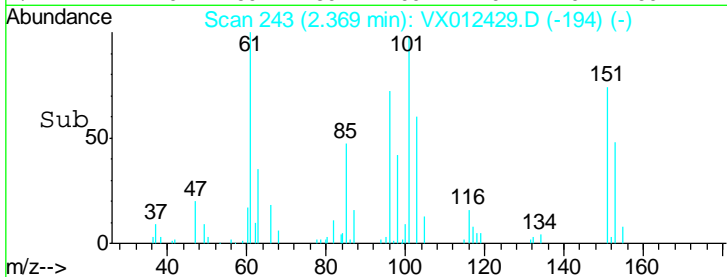
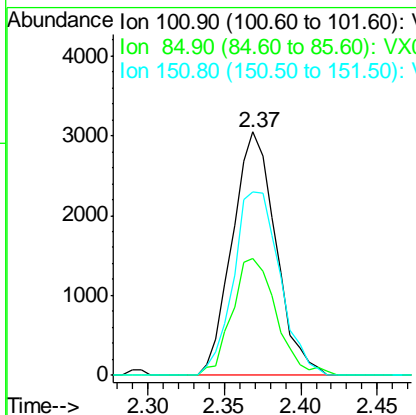
Instrument : MSVOA_X
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
101	6024		
101	100		
85	48.9	37.3	55.9
151	80.6	61.0	91.4

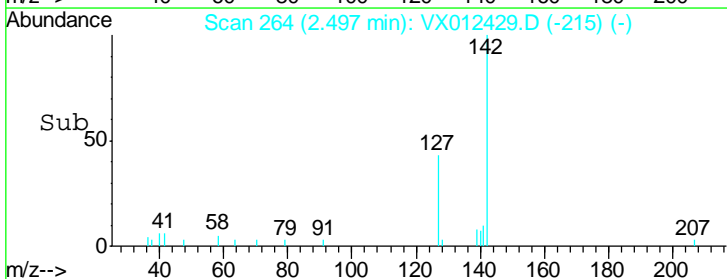
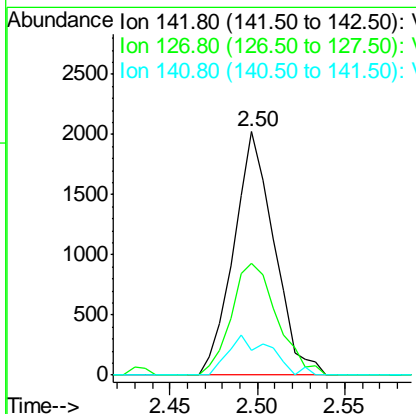
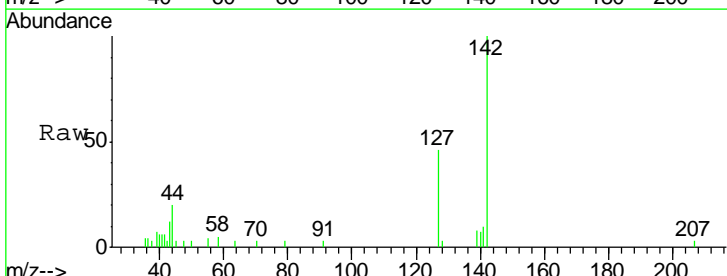
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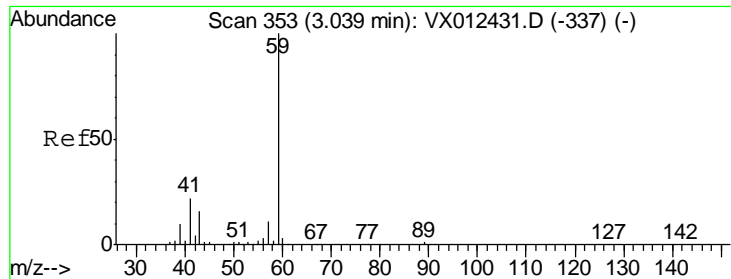
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#10
 Methyl Iodide
 Concen: 2.053 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
142	3255		
142	100		
127	52.0	40.8	61.2
141	17.1	12.1	18.1





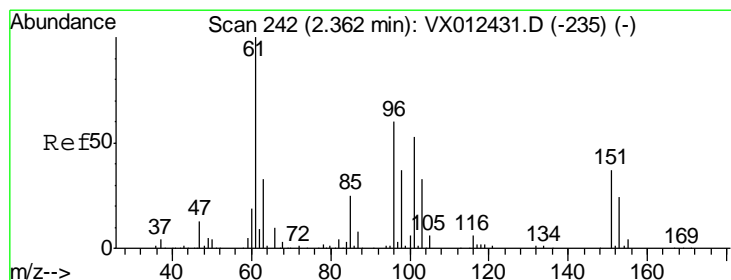
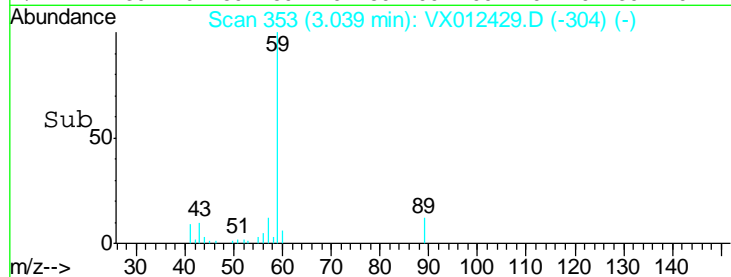
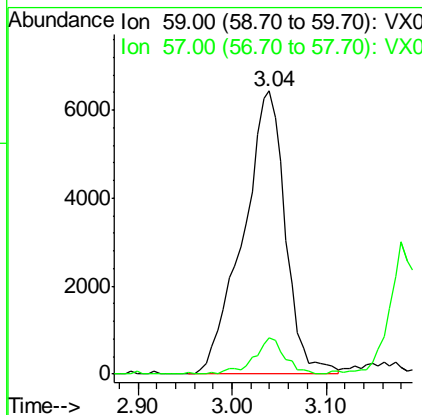
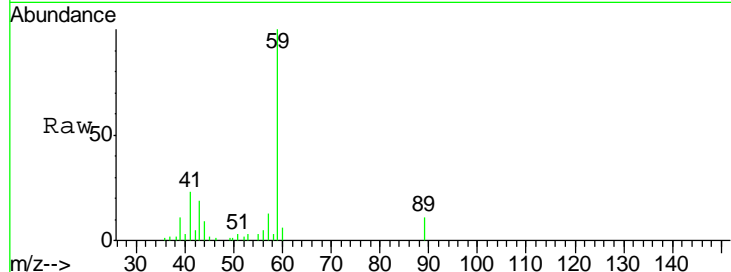
#11
 Tert butyl alcohol
 Concen: 25.161 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
59	20205		
57	9.4	8.3	12.5

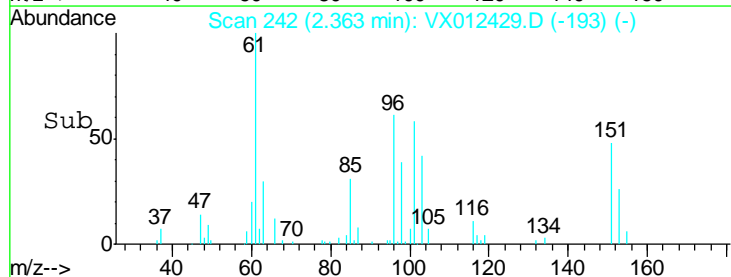
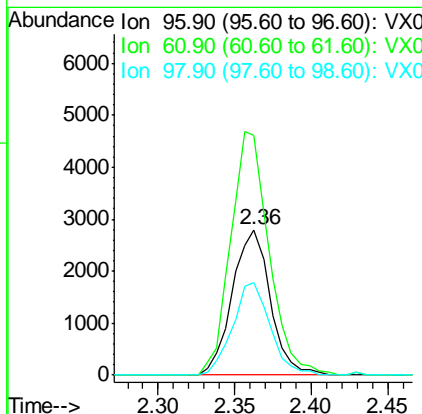
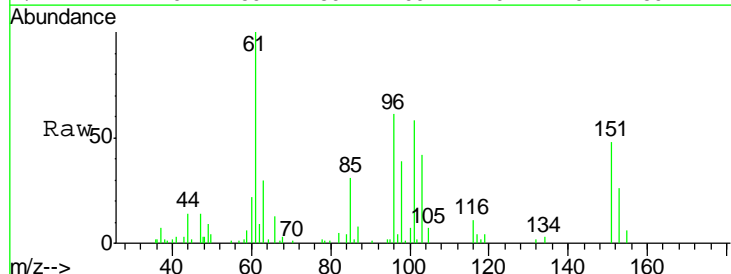
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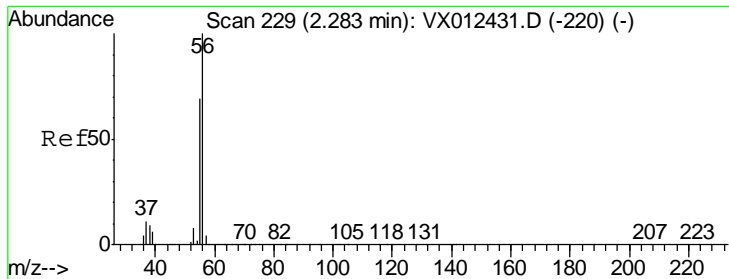
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#12
 1,1-Dichloroethene
 Concen: 3.555 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
96	4822		
61	164.2	133.8	200.6
98	63.6	49.9	74.9





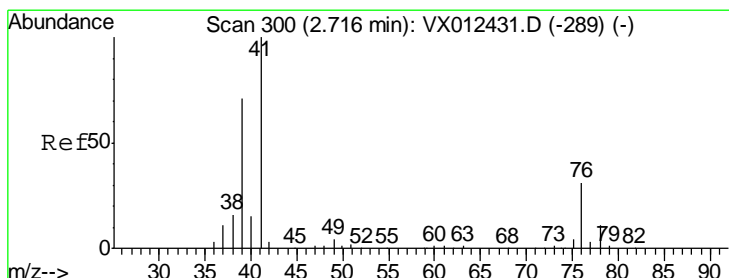
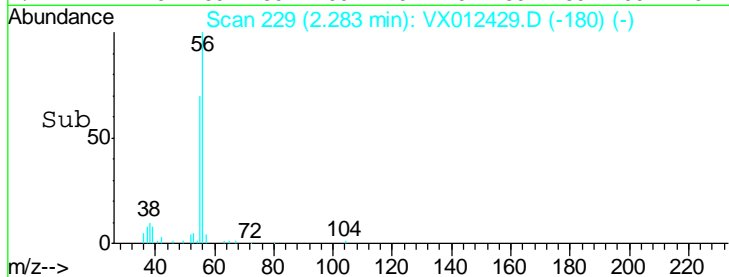
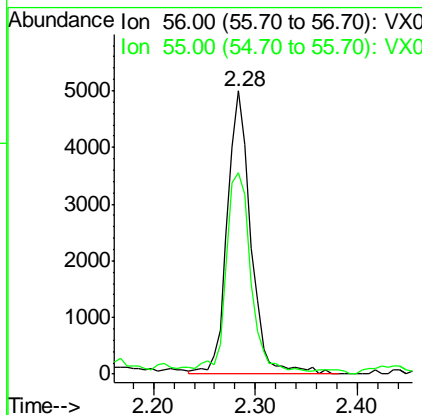
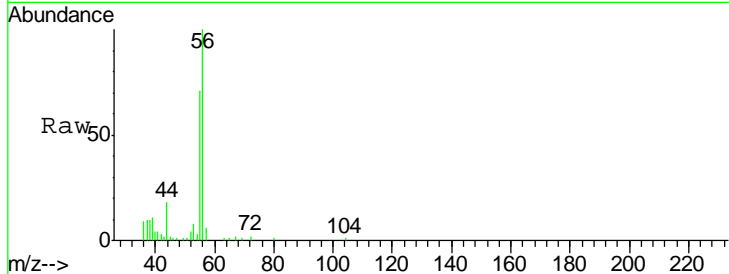
#13
 Acrolein
 Concen: 23.967 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
56	100		
55	71.3	55.8	83.8

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

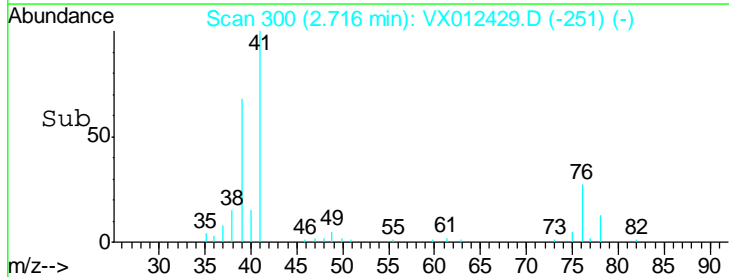
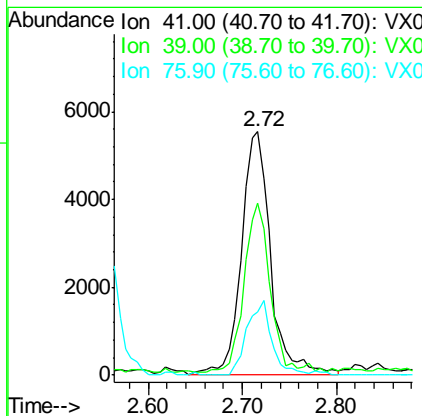
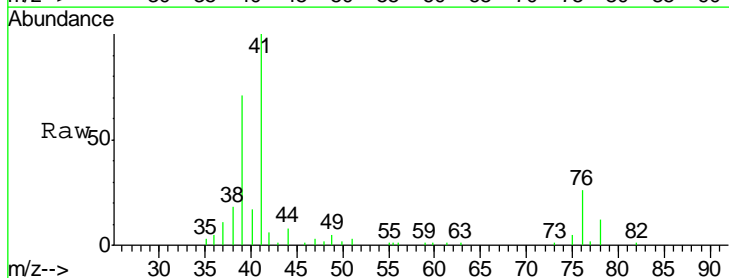
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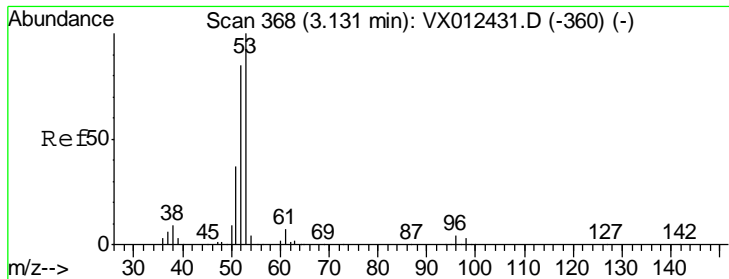
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#14
 Allyl chloride
 Concen: 3.824 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

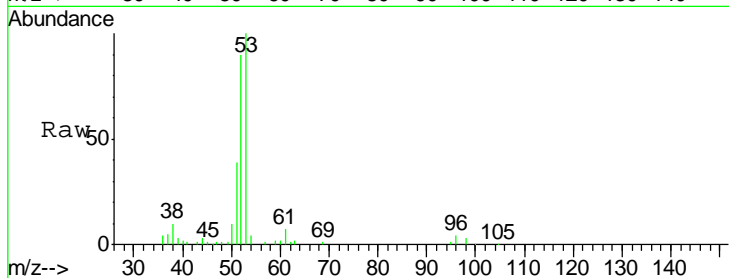
Tgt Ion	Resp	Lower	Upper
41	100		
39	61.6	51.3	76.9
76	26.0	22.6	33.8





#15
 Acrylonitrile
 Concen: 19.283 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

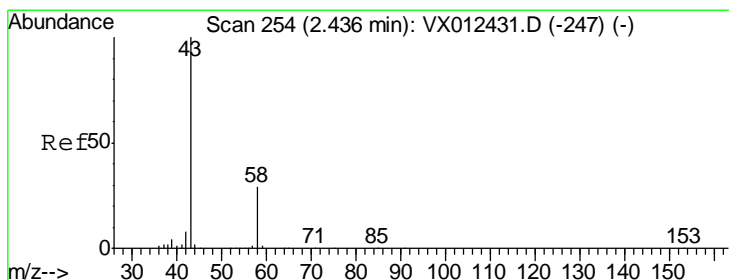
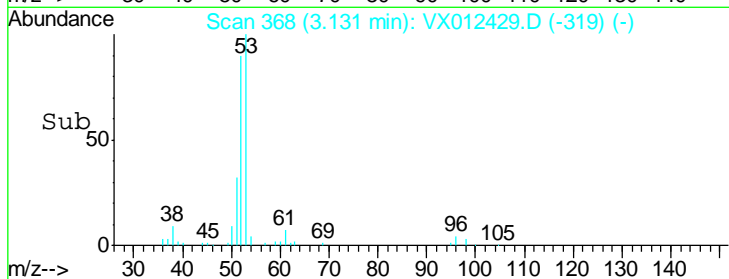
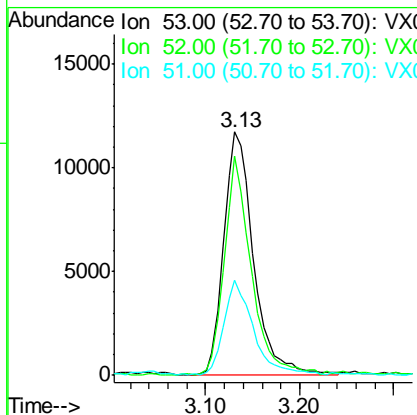


Tgt Ion: 53 Resp: 25853

Ion	Ratio	Lower	Upper
53	100		
52	81.5	67.0	100.4
51	38.8	29.6	44.4

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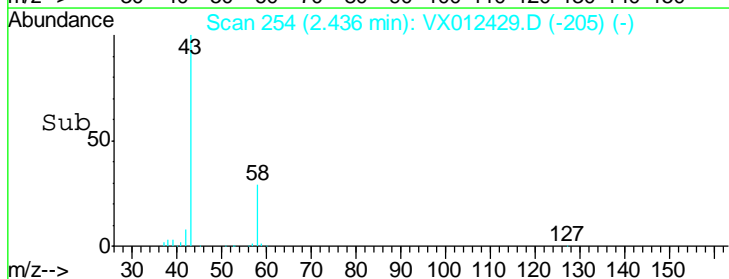
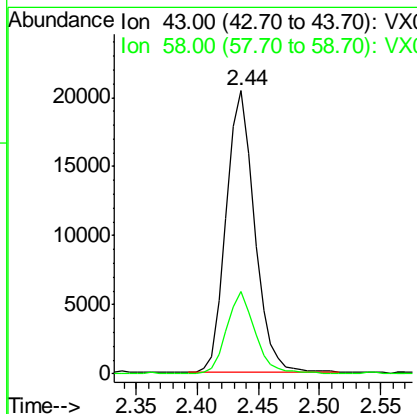
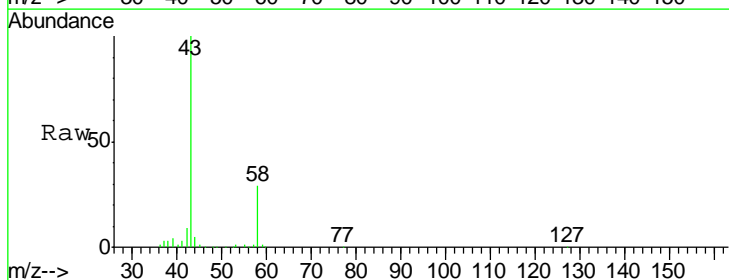
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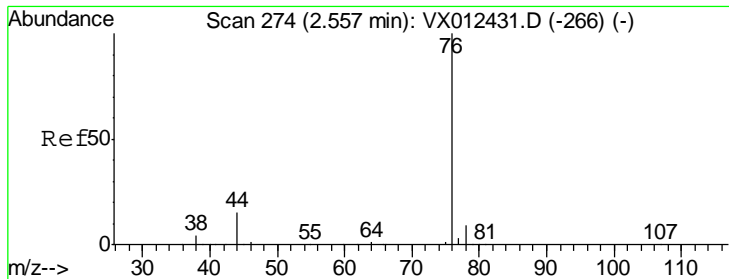


#16
 Acetone
 Concen: 22.492 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion: 43 Resp: 32890

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.3	34.9





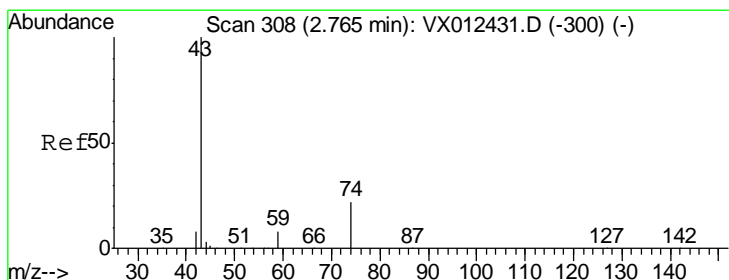
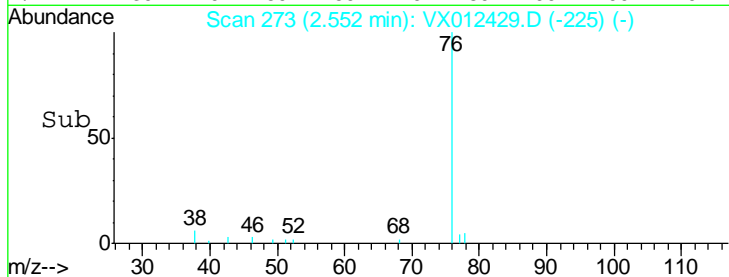
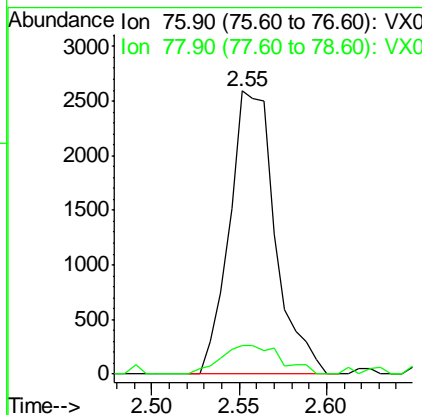
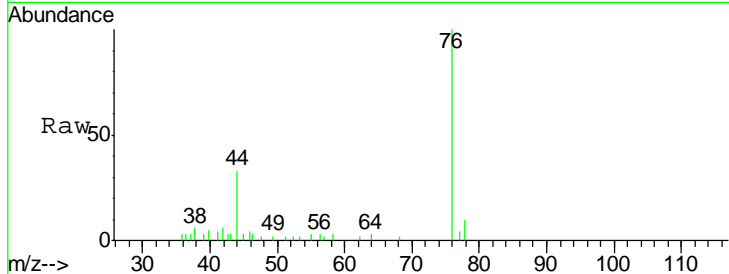
#17
 Carbon Disulfide
 Concen: 2.630 ug/l
 RT: 2.55 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	4712		
76	100		
78	10.0	7.3	10.9

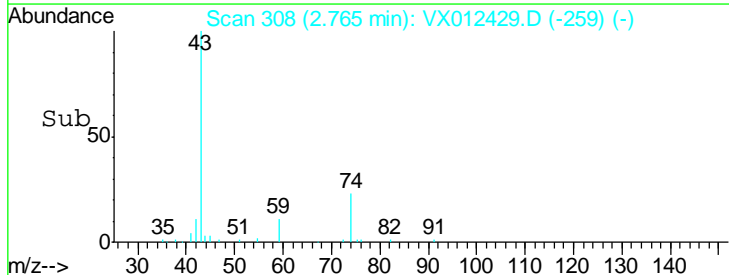
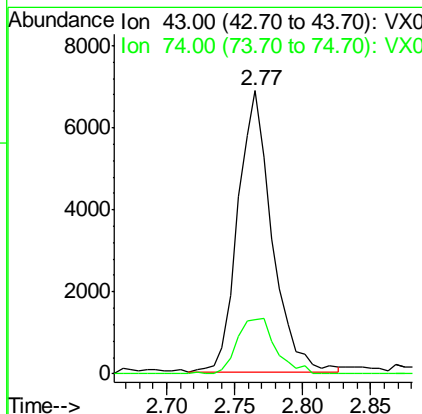
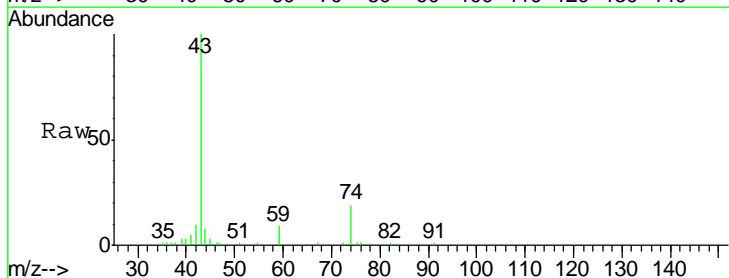
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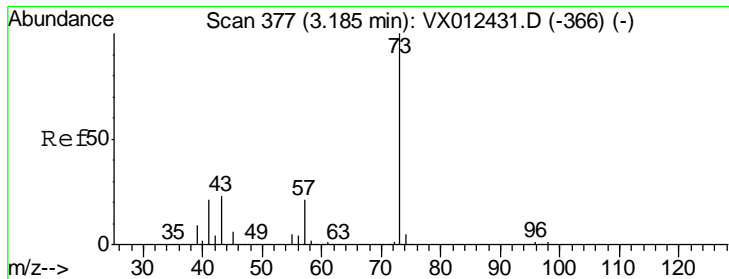
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#18
 Methyl Acetate
 Concen: 3.715 ug/l
 RT: 2.77 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
43	11942		
43	100		
74	22.2	17.7	26.5



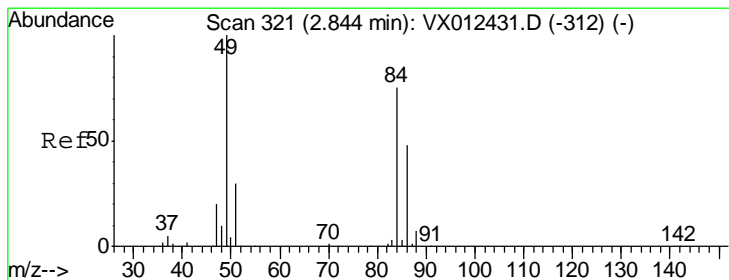
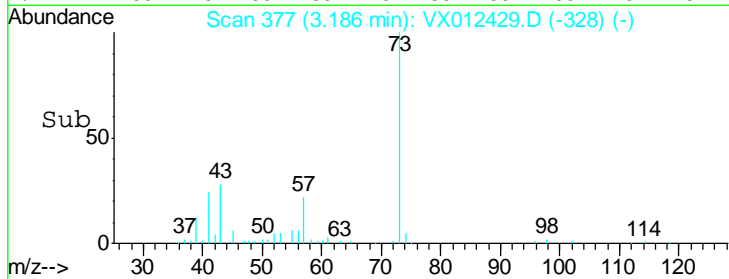
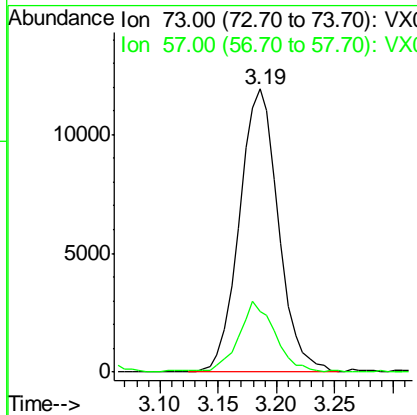
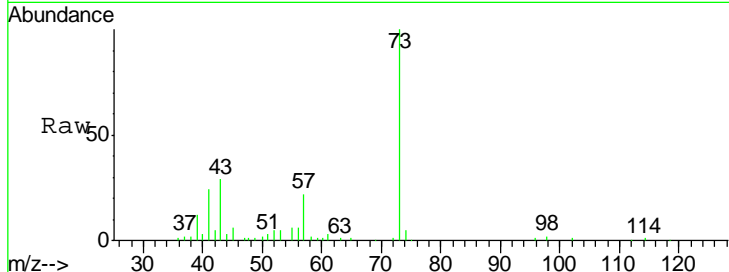


#19
Methyl tert-butyl Ether
Concen: 3.770 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012429.D
Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
73	27774		
73	100		
57	21.0	16.8	25.2

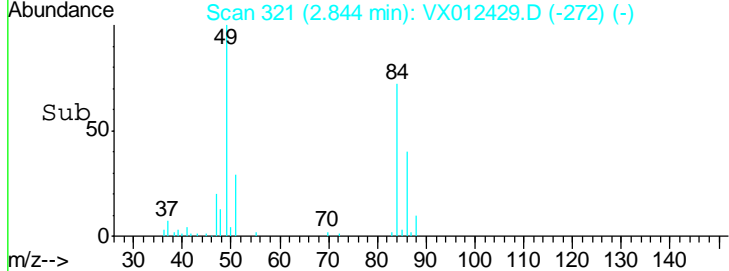
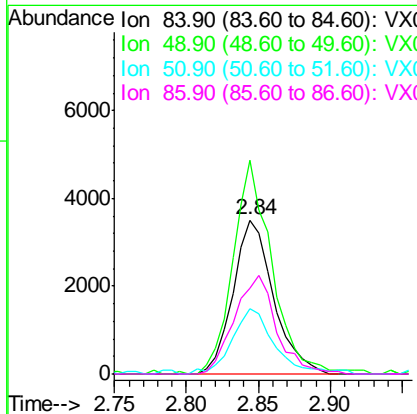
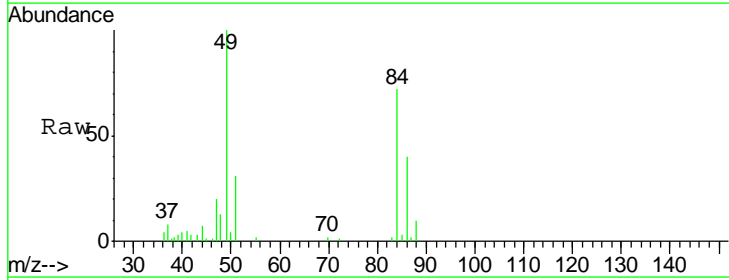
Instrument : MSVOA_X
Client Sampled : VSTDIC005

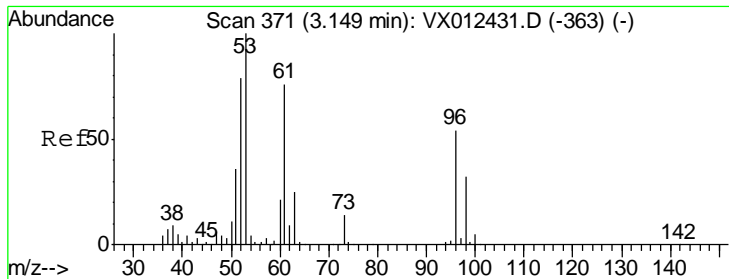
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#20
Methylene Chloride
Concen: 3.493 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012429.D
Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
84	6862		
84	100		
49	138.7	106.8	160.2
51	42.5	32.3	48.5
86	55.4	51.3	76.9





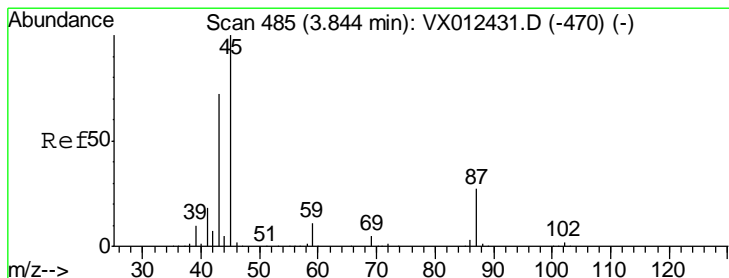
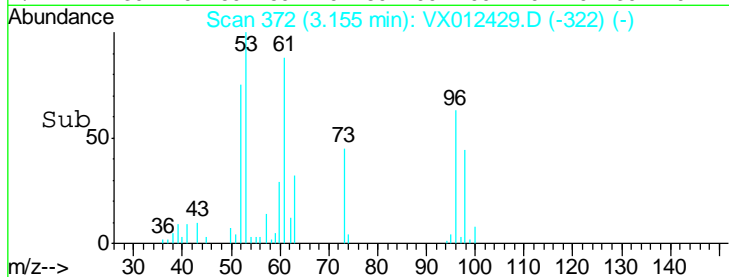
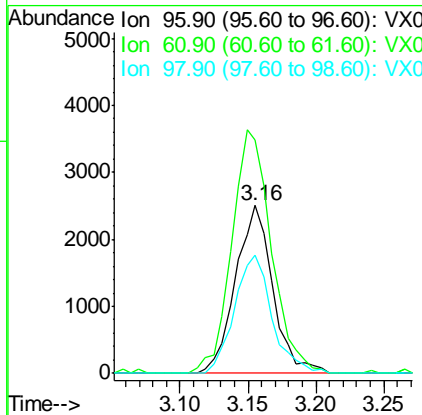
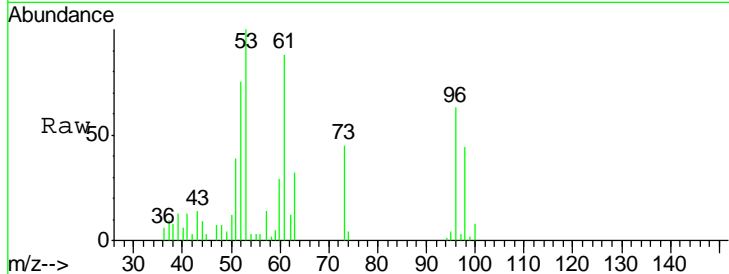
#21
 trans-1,2-Dichloroethene
 Concen: 3.286 ug/l
 RT: 3.16 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	4792		
96	100		
61	139.7	112.0	168.0
98	70.3	47.8	71.8

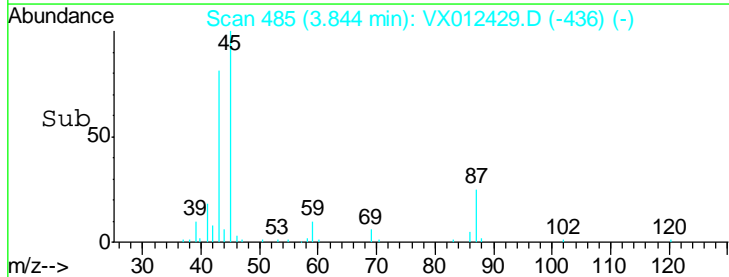
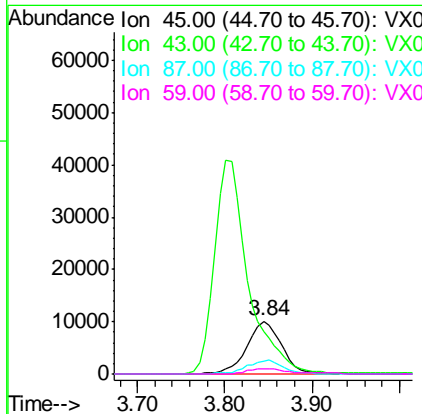
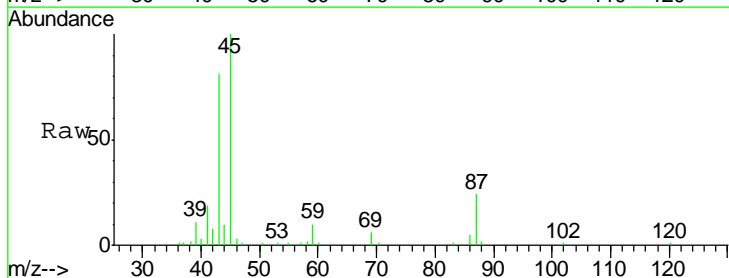
Manual Integrations
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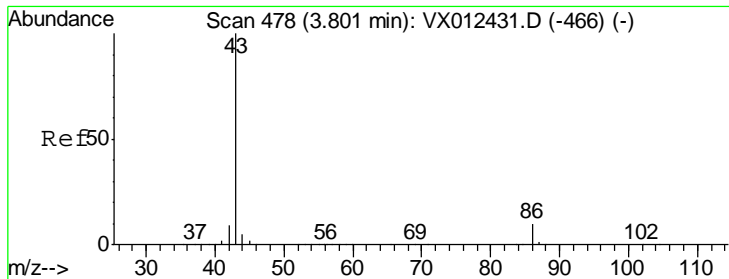
MMDadoda
 9/18/2019 11:22:05 AM



#22
 Diisopropyl ether
 Concen: 3.829 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
45	27688		
45	100		
43	79.6	57.8	86.8
87	24.4	21.3	31.9
59	10.1	8.5	12.7





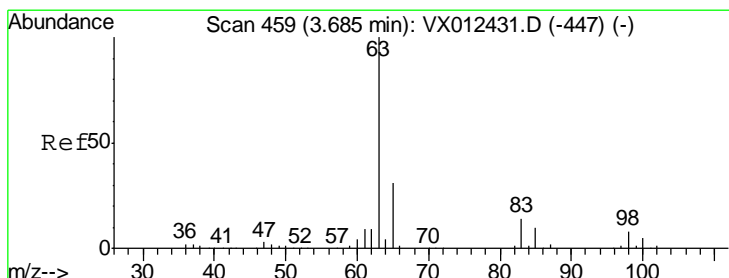
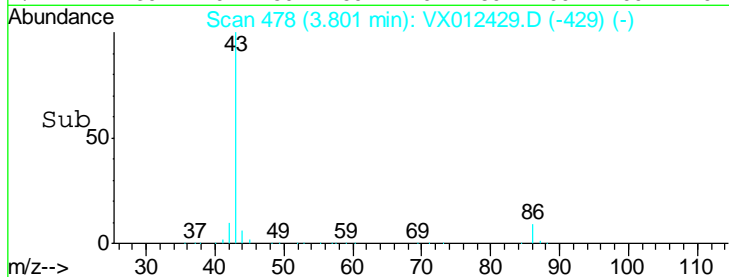
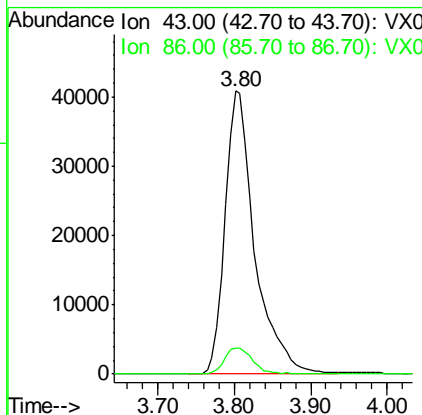
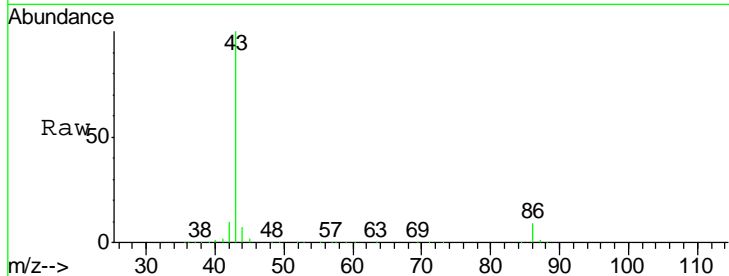
#23
 Vinyl Acetate
 Concen: 18.429 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
43	109919		
86	9.0	7.8	11.8

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

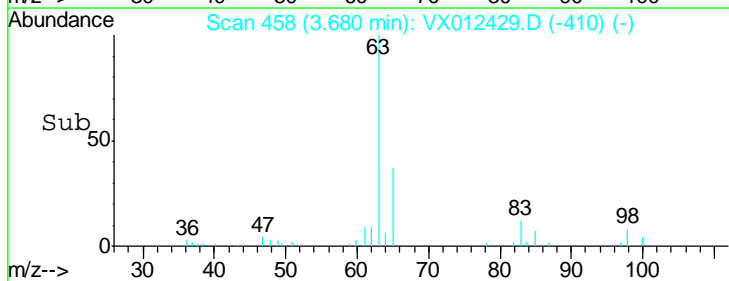
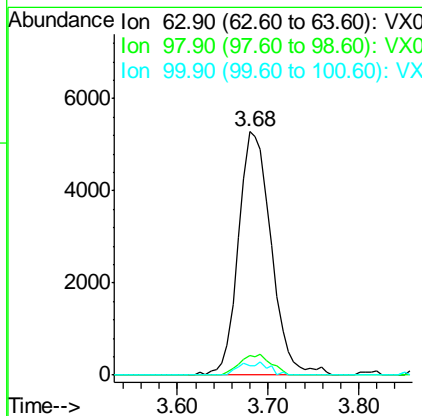
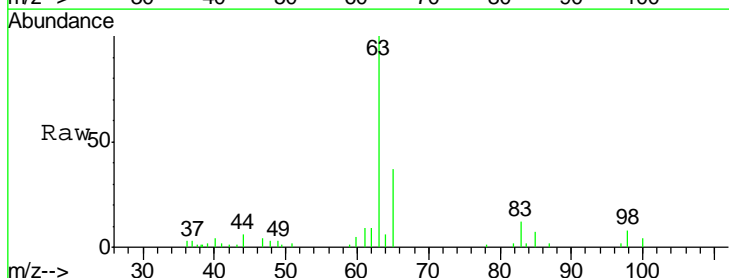
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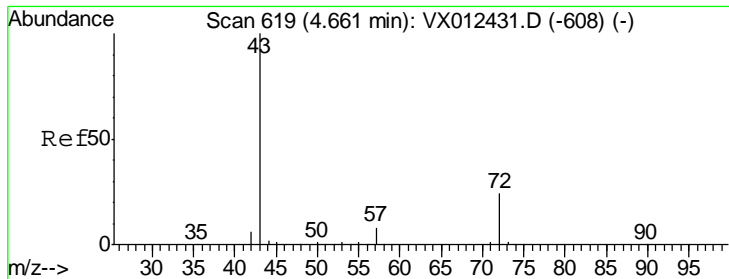
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 9/18/2019 11:22:05 AM



#24
 1,1-Dichloroethane
 Concen: 3.658 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
63	13248		
98	8.2	3.9	11.7
100	3.8	2.3	6.9





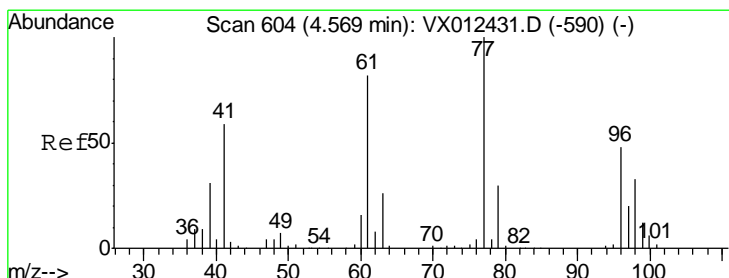
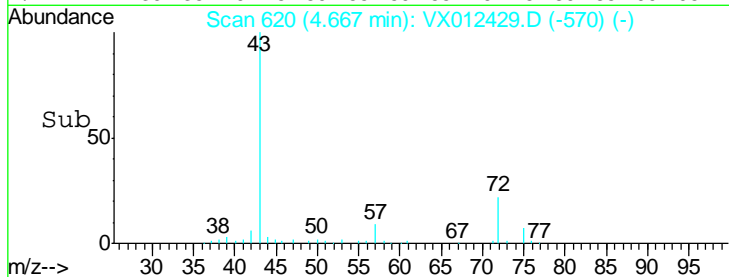
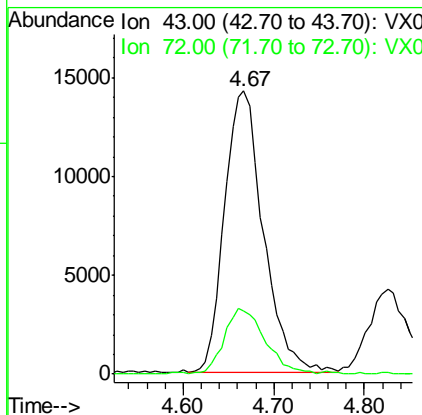
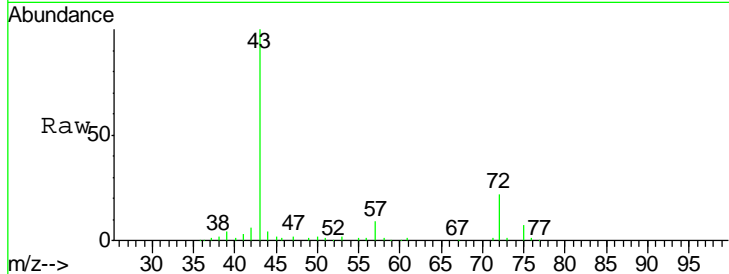
#25
 2-Butanone
 Concen: 20.608 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
72	22.0	19.2	28.8

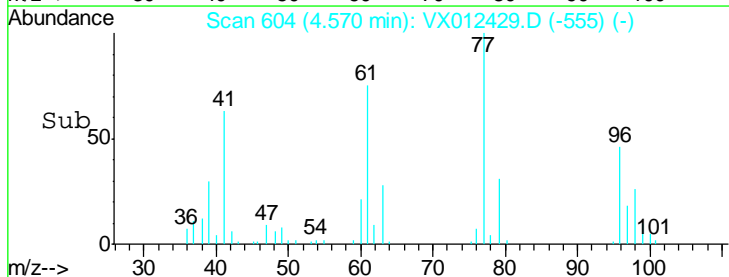
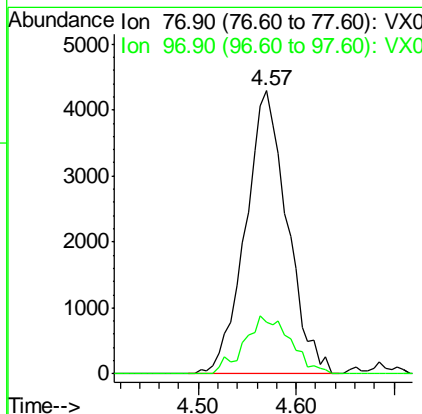
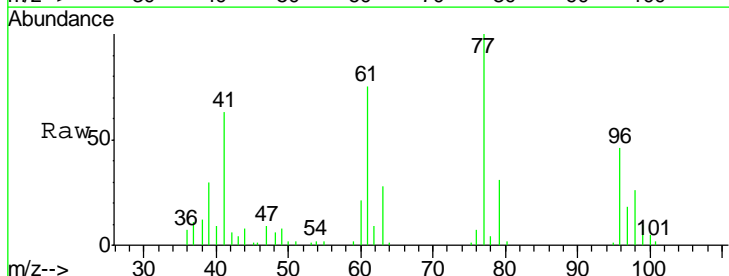
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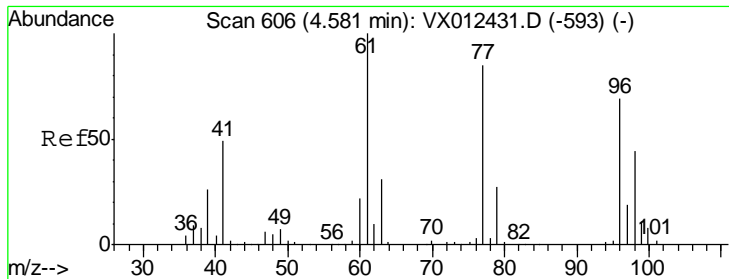
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 9/18/2019 11:22:05 AM



#26
 2,2-Dichloropropane
 Concen: 3.684 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
77	100		
97	22.4	10.5	31.6



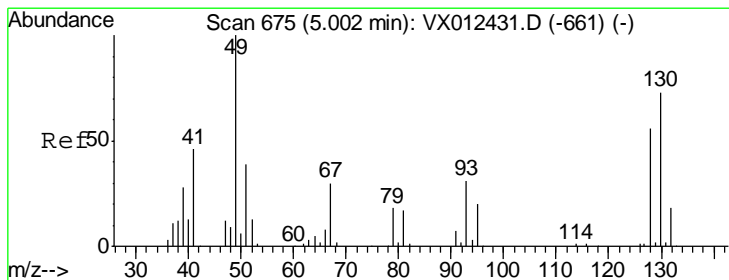
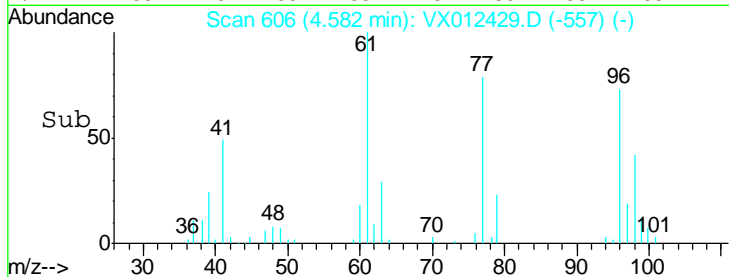
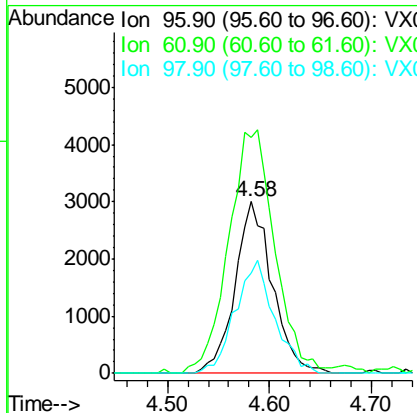
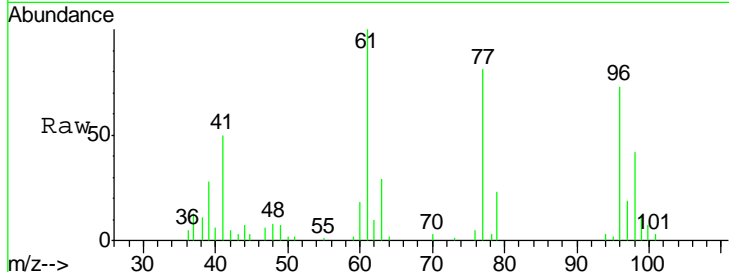


#27
 cis-1,2-Dichloroethene
 Concen: 3.551 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
96	7612		
96	100		
61	175.0	0.0	319.4
98	68.7	0.0	130.6

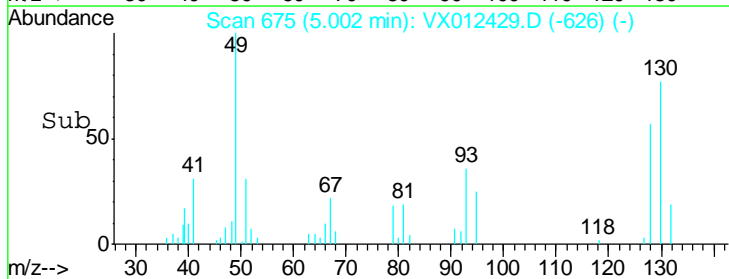
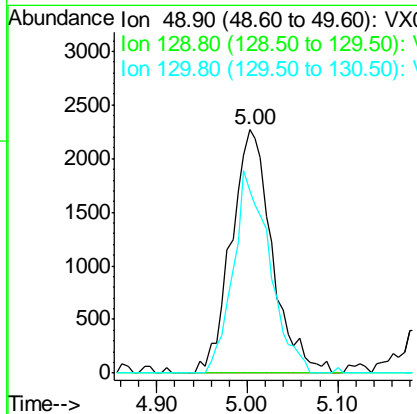
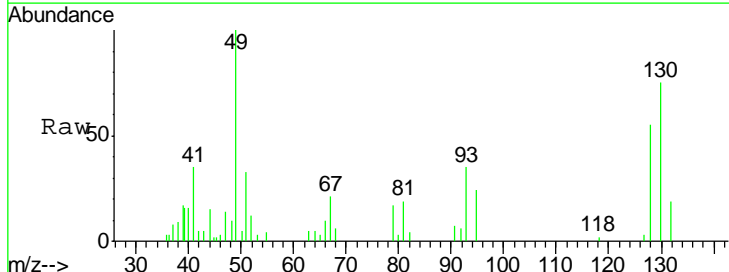
Instrument : MSVOA_X
 ClientSampled : VSTDIC005

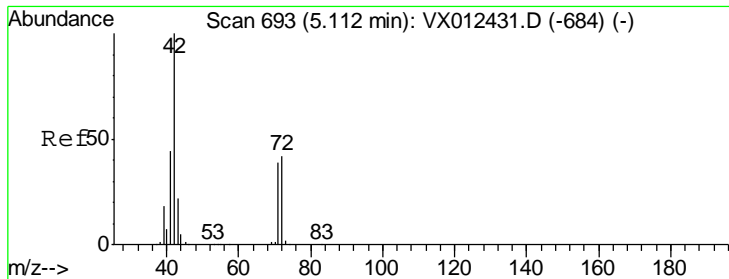
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#28
 Bromochloromethane
 Concen: 3.837 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
49	7092		
49	100		
129	0.0	0.0	3.8
130	73.7	58.2	87.4





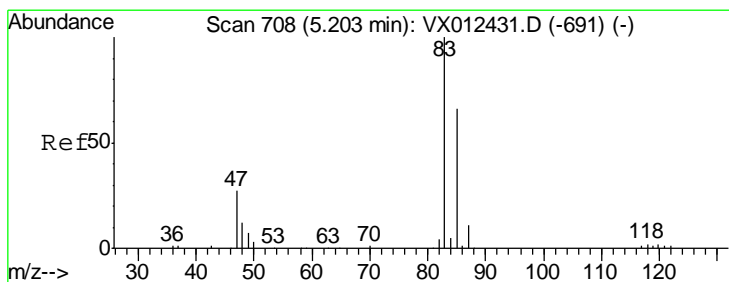
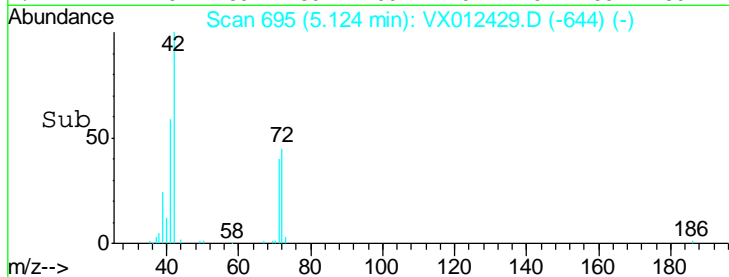
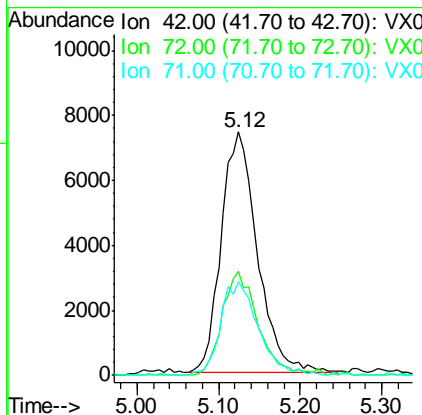
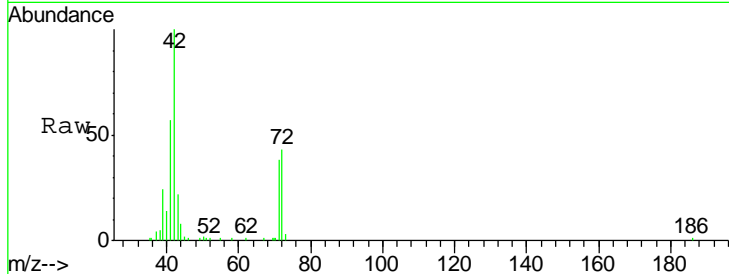
#29
 Tetrahydrofuran
 Concen: 19.021 ug/l
 RT: 5.12 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
42	100		
72	43.0	34.0	51.0
71	40.6	31.5	47.3

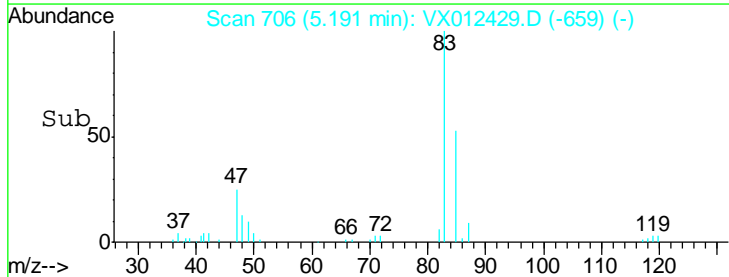
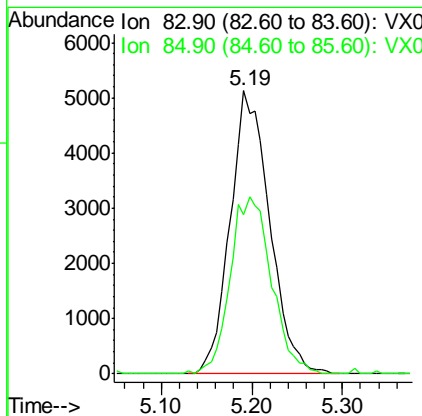
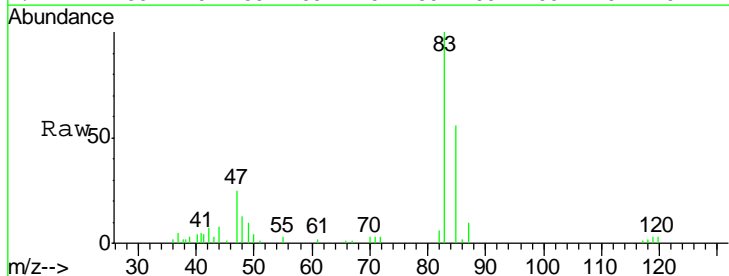
Manual Integrations
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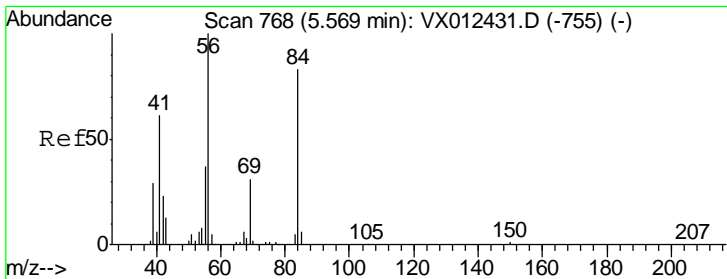
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#30
 Chloroform
 Concen: 3.708 ug/l
 RT: 5.19 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
83	100		
85	56.1	53.0	79.4





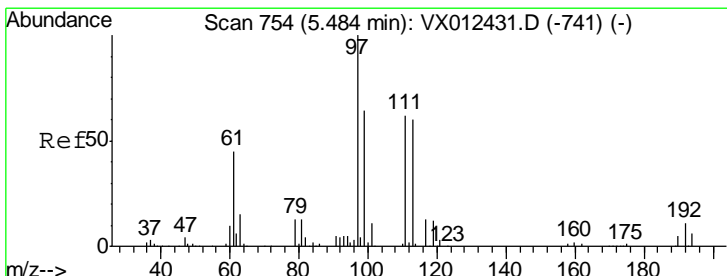
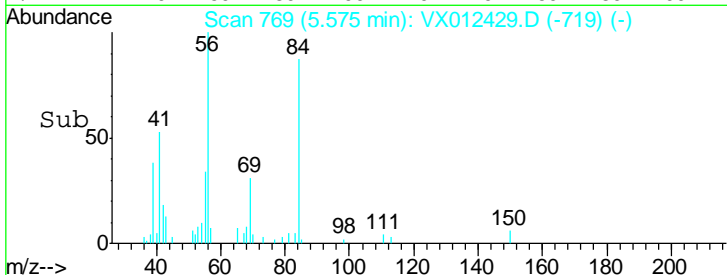
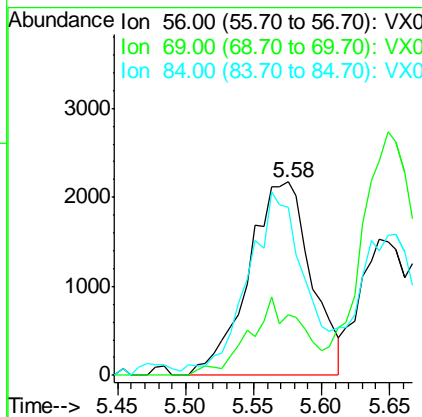
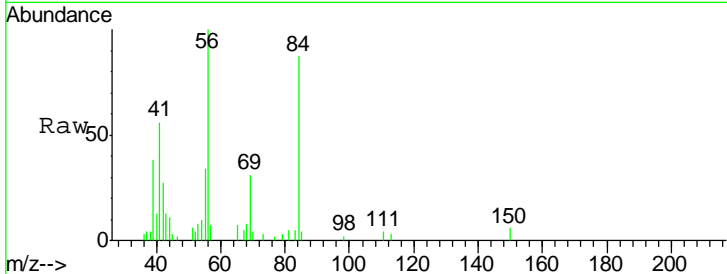
#31
 Cyclohexane
 Concen: 3.227 ug/l
 RT: 5.58 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.3	25.0	37.6
84	81.8	66.4	99.6

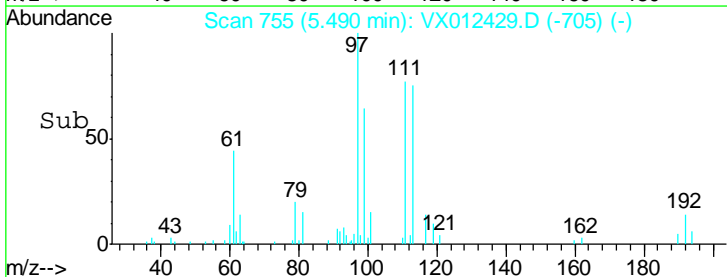
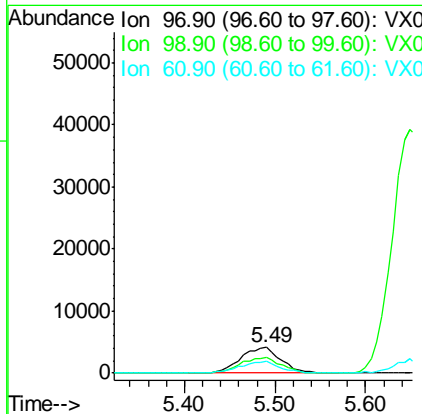
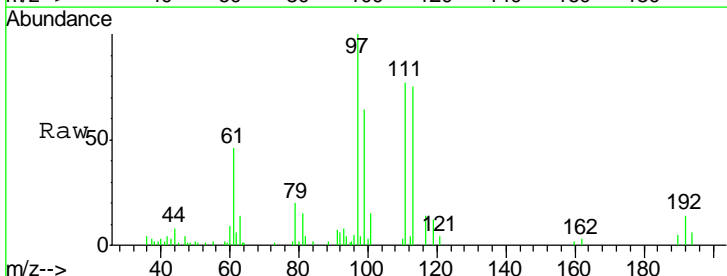
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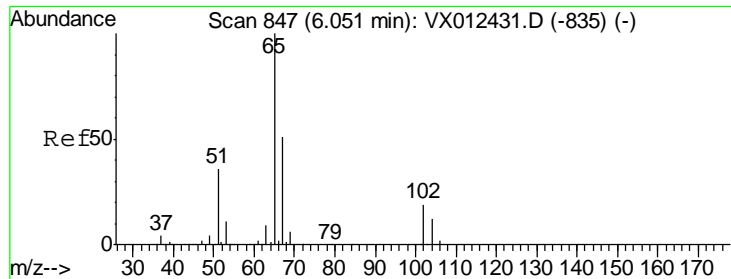
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#32
 1,1,1-Trichloroethane
 Concen: 3.679 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.2	51.3	76.9
61	44.5	36.1	54.1





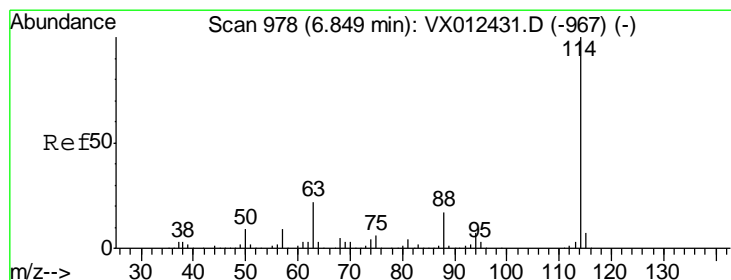
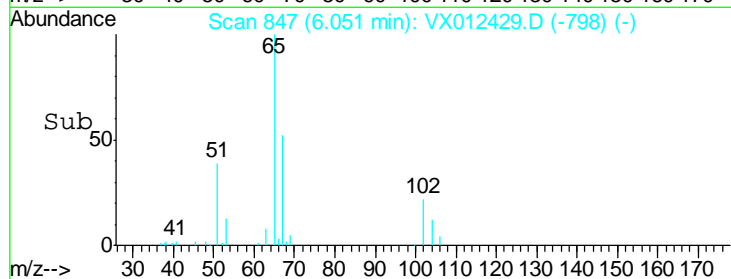
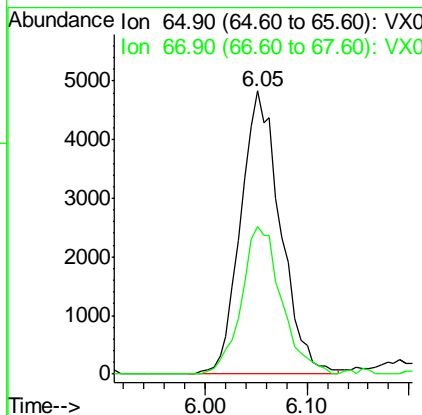
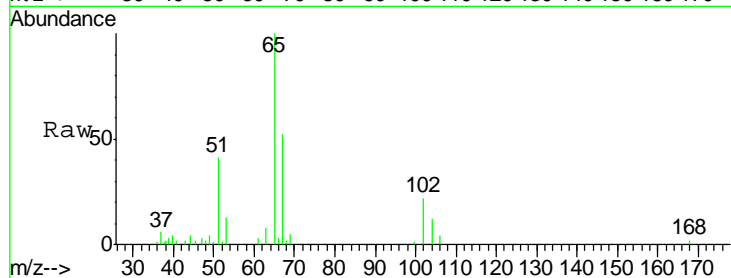
#33
 1,2-Dichloroethane-d4
 Concen: 4.197 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
65	13114		
67	52.4	0.0	101.2

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

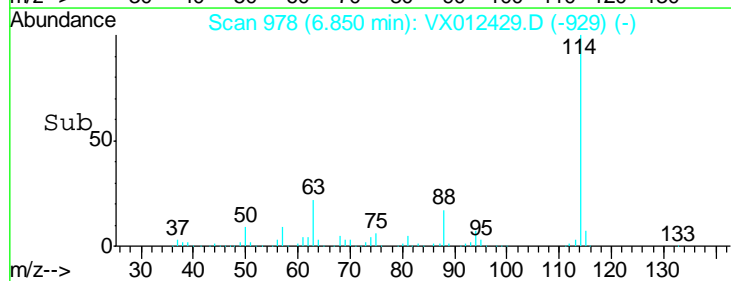
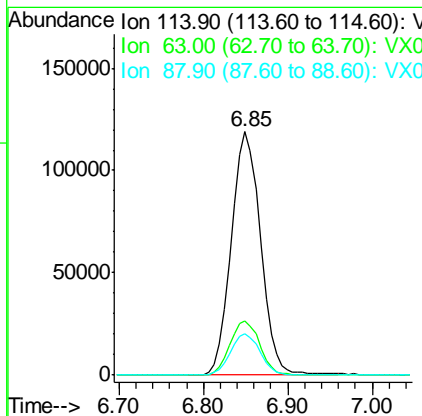
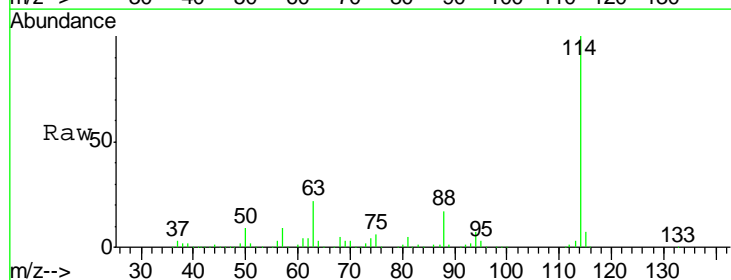
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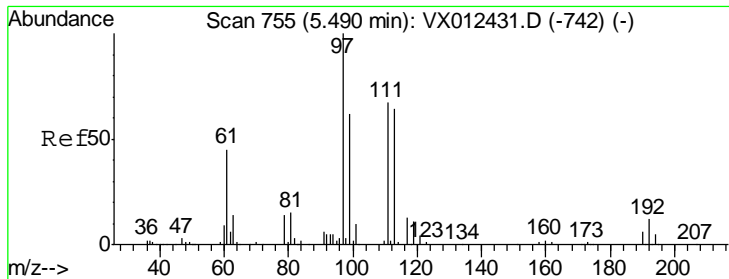
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

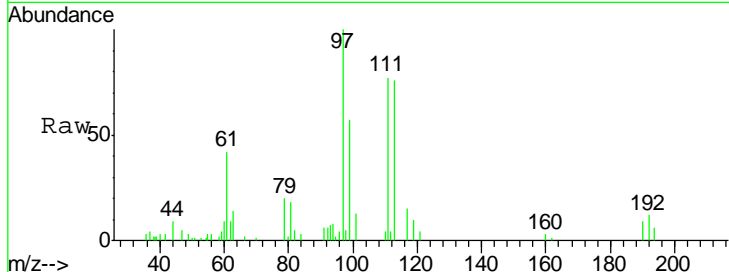
Tgt Ion	Resp	Lower	Upper
114	280717		
63	22.4	0.0	43.2
88	17.1	0.0	33.2





#35
 Dibromofluoromethane
 Concen: 3.594 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

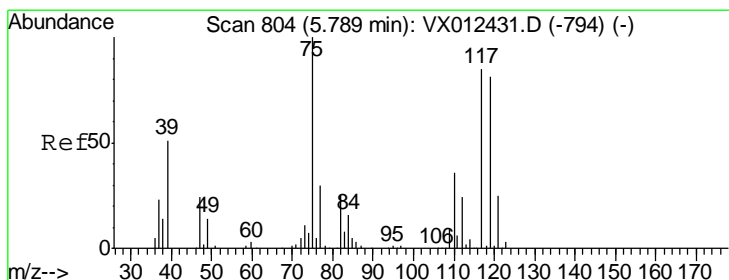
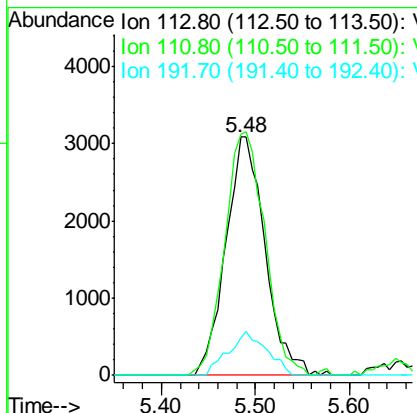
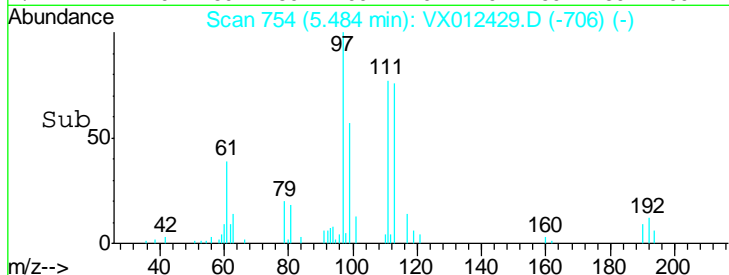
Instrument : MSVOA_X
 ClientSampled : VSTDIC005



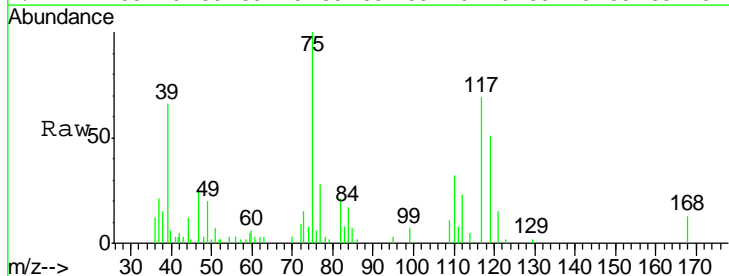
Tgt Ion	Resp	Lower	Upper
113	8943		
113	100		
111	104.5	83.4	125.2
192	17.9	14.4	21.6

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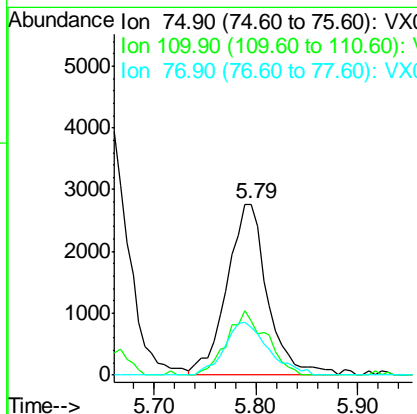
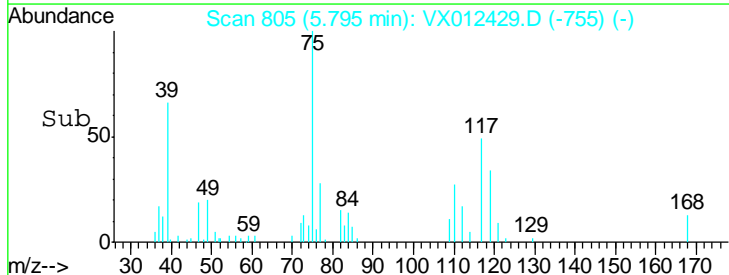
MMDadoda
 9/18/2019 11:22:05 AM

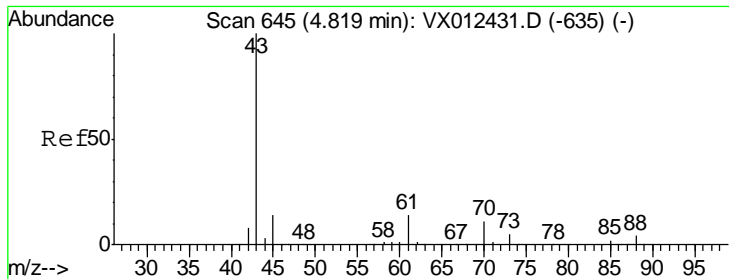


#36
 1,1-Dichloropropene
 Concen: 3.102 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23



Tgt Ion	Resp	Lower	Upper
75	7597		
75	100		
110	36.8	16.7	50.0
77	33.4	24.2	36.2





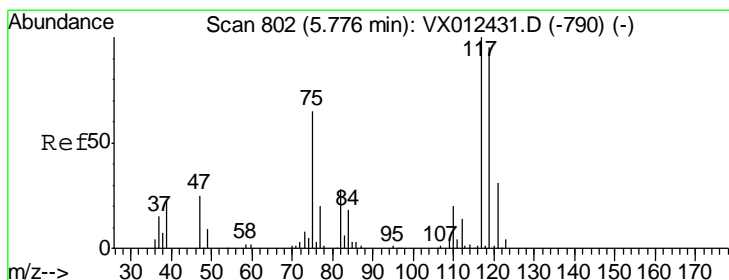
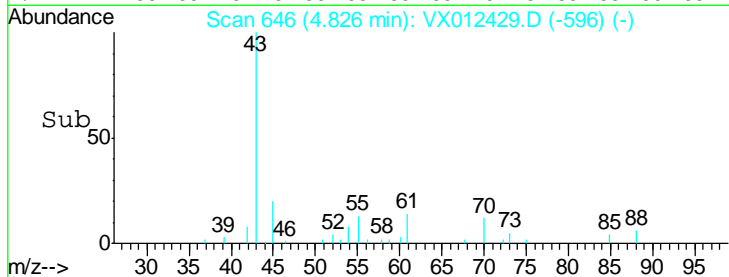
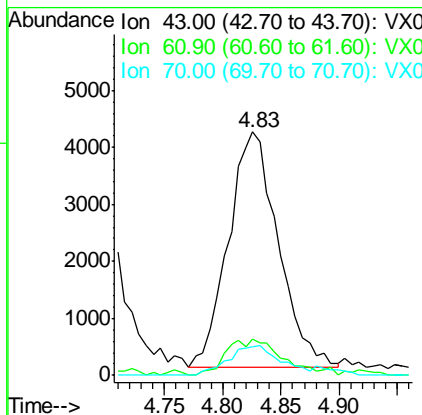
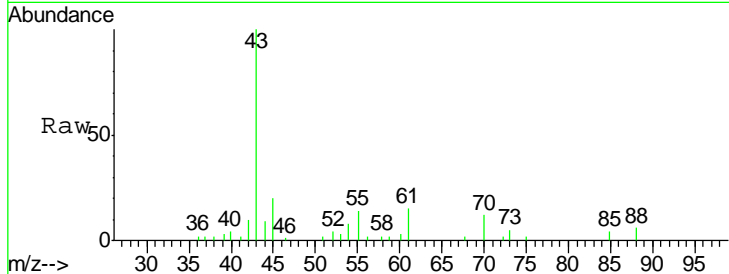
#37
 Ethyl Acetate
 Concen: 3.281 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	12366		
61	6.9	10.2	15.4#
70	13.0	8.7	13.1

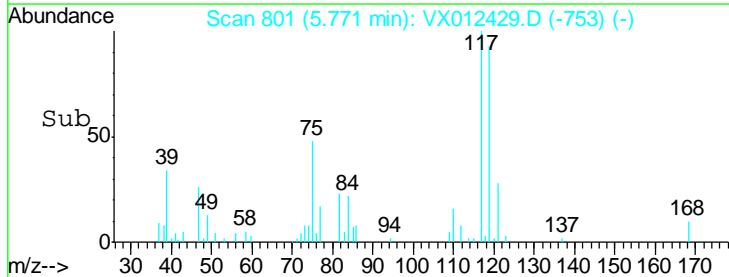
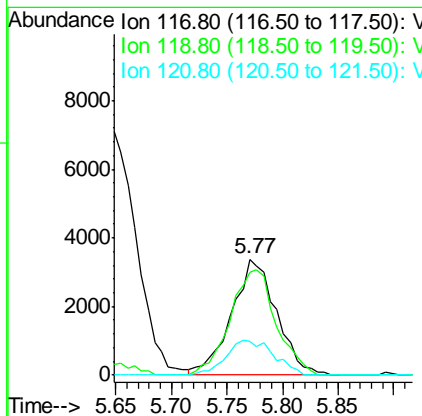
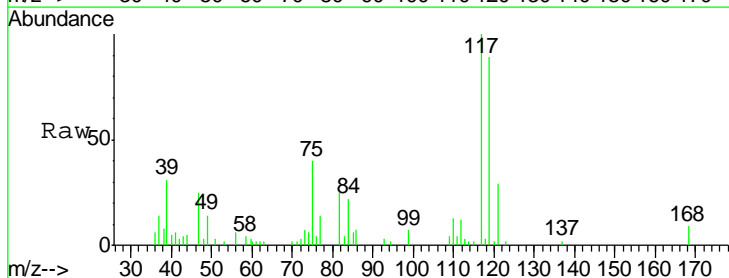
Manual Integrations
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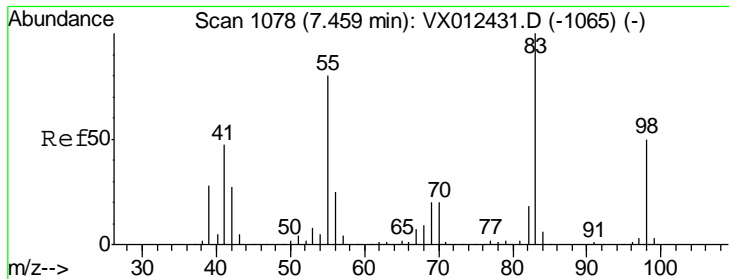
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#38
 Carbon Tetrachloride
 Concen: 3.186 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
117	9445		
119	89.4	75.7	113.5
121	28.9	24.2	36.4





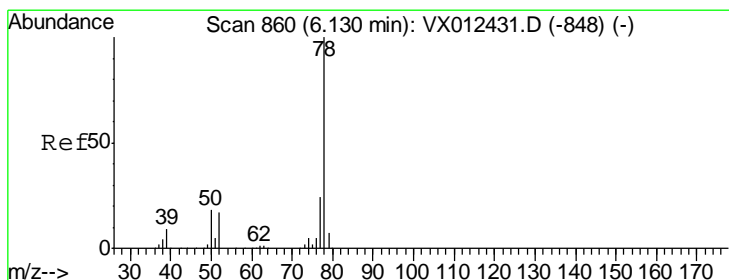
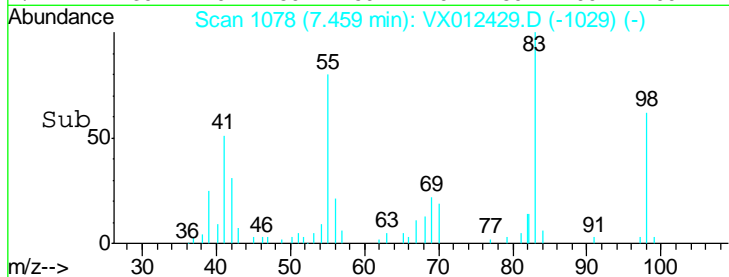
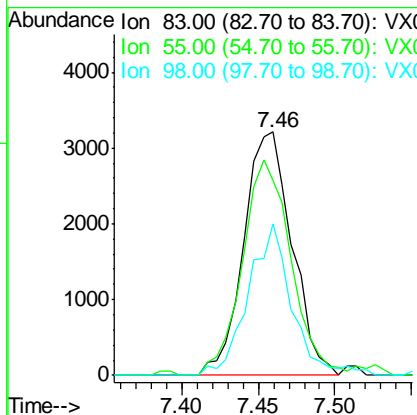
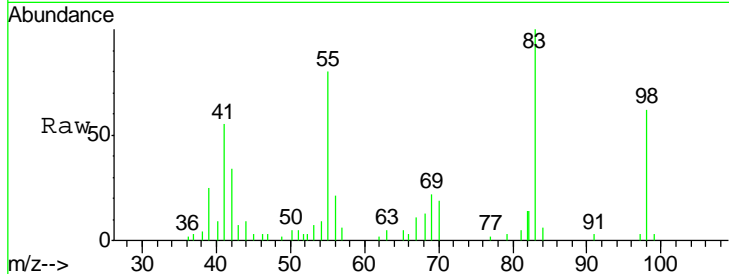
#39
 Methylcyclohexane
 Concen: 3.006 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	7035		
83	100		
55	79.9	64.4	96.6
98	62.2	40.1	60.1

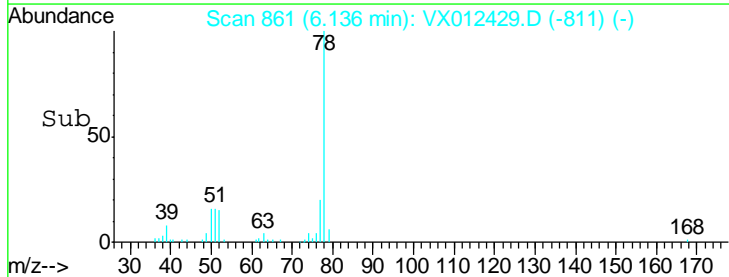
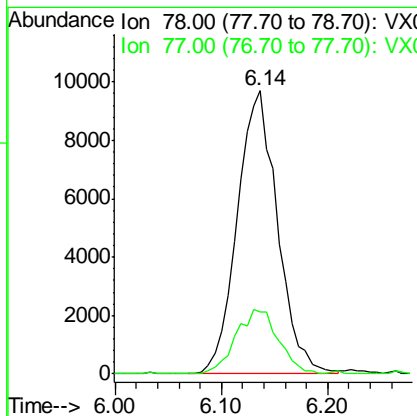
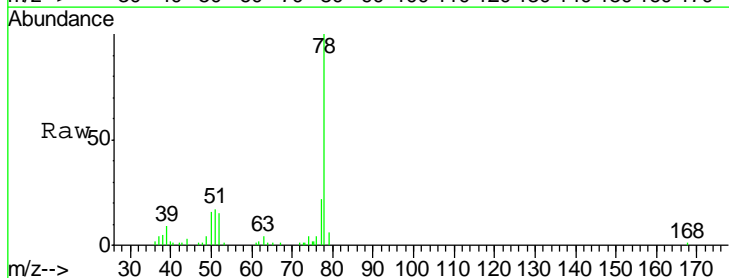
Manual Integrations
 APPROVED

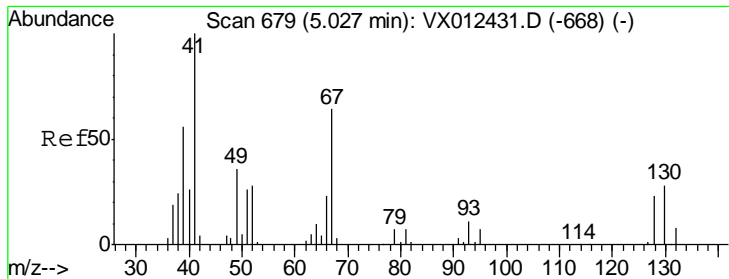
MMDadoda
 9/18/2019 11:22:05 AM



#40
 Benzene
 Concen: 3.430 ug/l
 RT: 6.14 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
78	25723		
78	100		
77	22.0	19.2	28.8





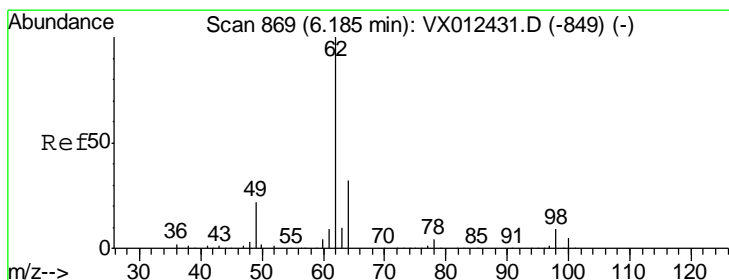
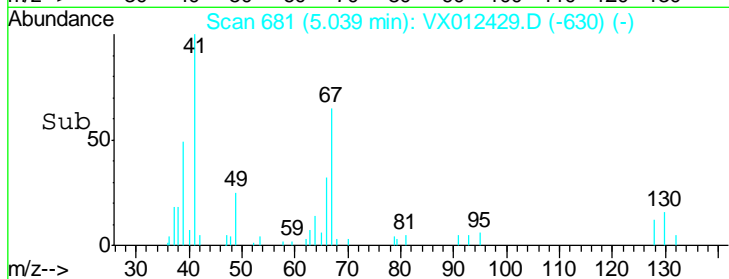
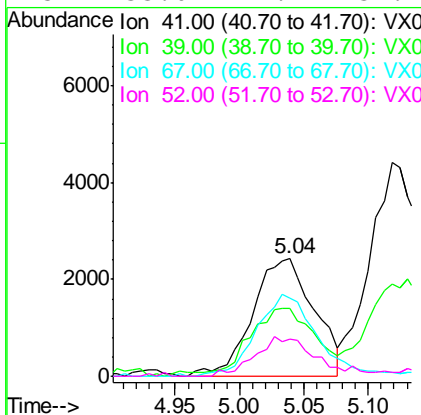
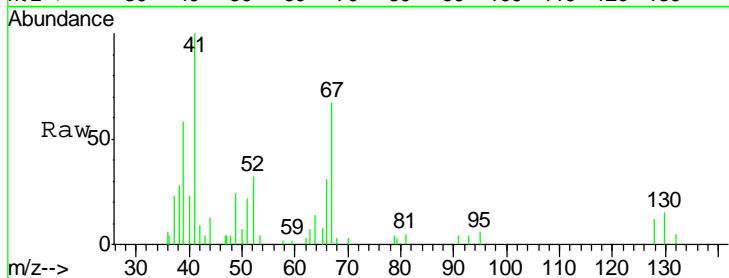
#41
 Methacrylonitrile
 Concen: 3.742 ug/l
 RT: 5.04 min Scan# 681
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
41	100		
39	63.0	46.0	69.0
67	68.7	52.2	78.2
52	33.0	22.7	34.1

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

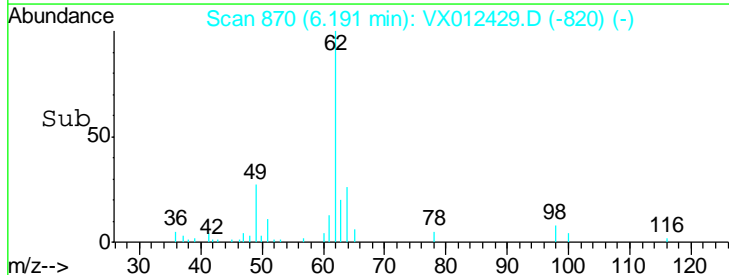
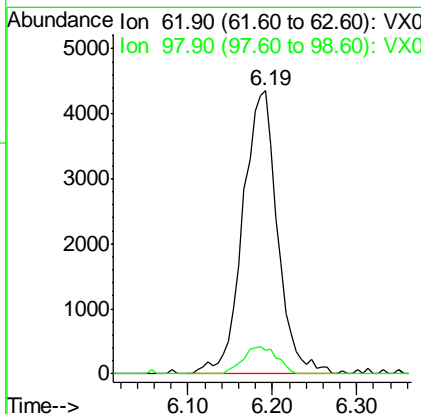
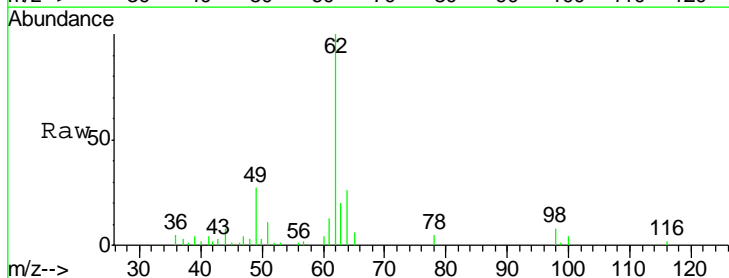
Manual Integrations
 APPROVED

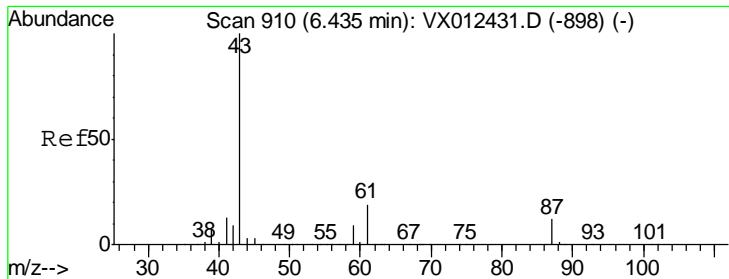
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 9/18/2019 11:22:05 AM



#42
 1,2-Dichloroethane
 Concen: 3.556 ug/l
 RT: 6.19 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.5	0.0	17.8





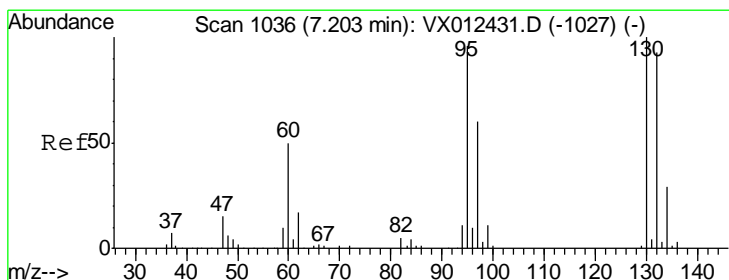
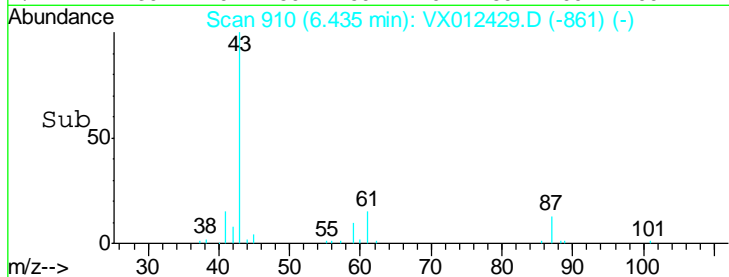
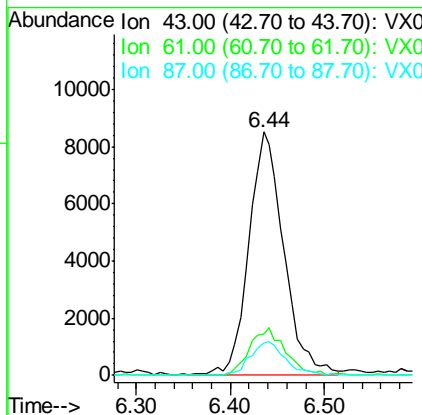
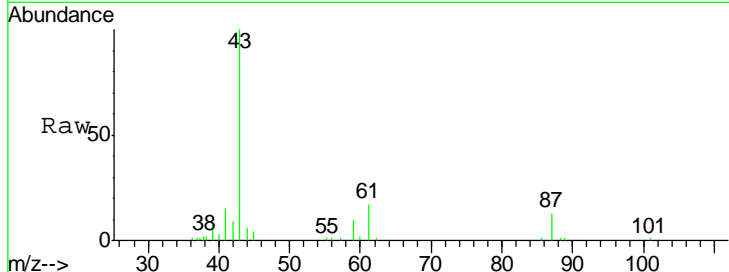
#43
 Isopropyl Acetate
 Concen: 3.426 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.9	9.8	14.8

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

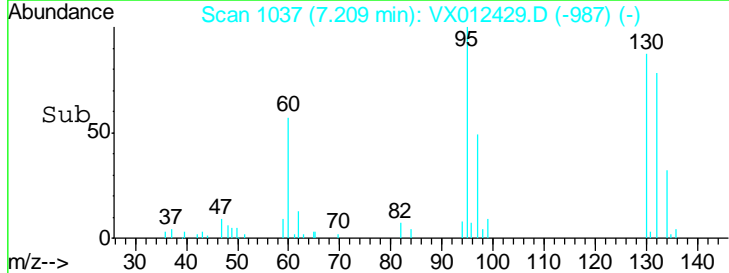
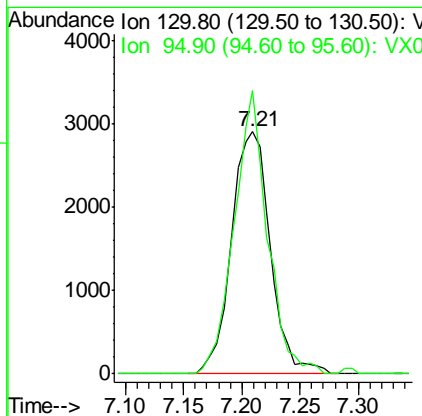
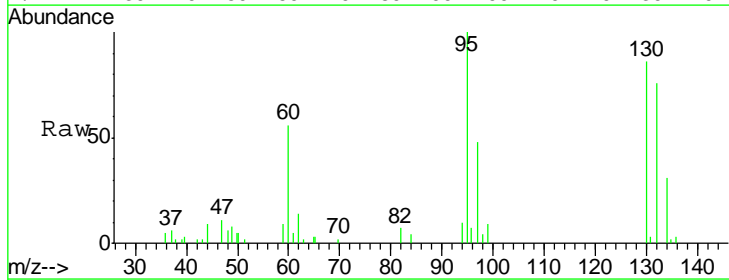
Manual Integrations
 APPROVED

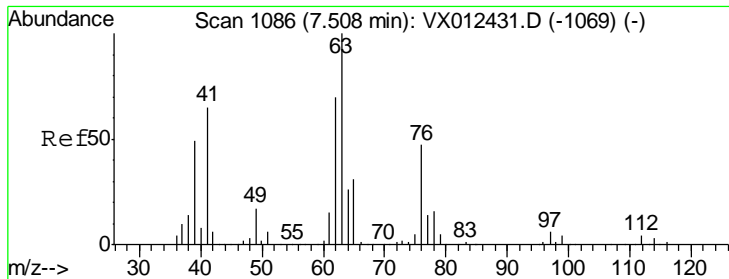
MMDadoda
 9/18/2019 11:22:05 AM



#44
 Trichloroethene
 Concen: 3.370 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
130	100		
95	116.9	0.0	193.0





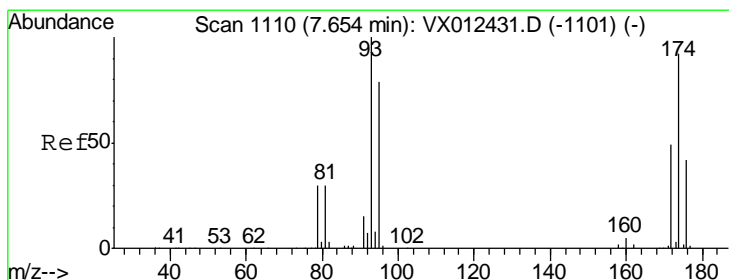
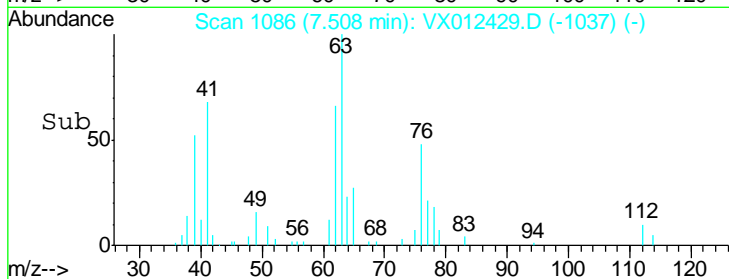
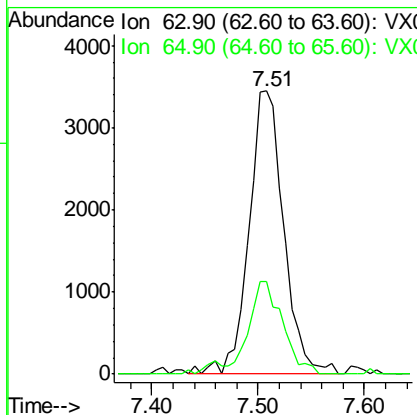
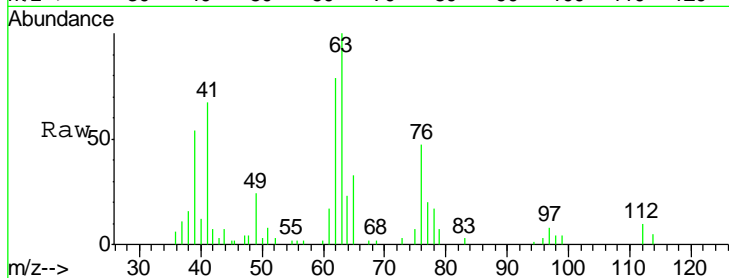
#45
 1,2-Dichloropropane
 Concen: 3.426 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
63	100		
65	32.7	25.0	37.6

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

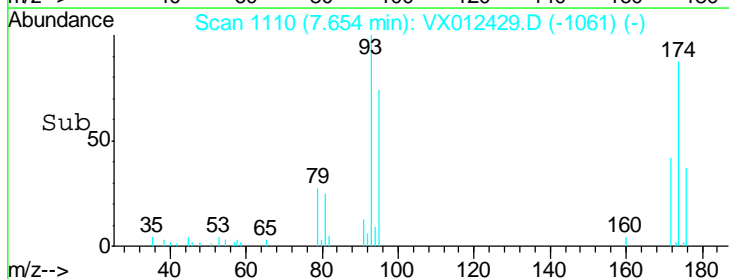
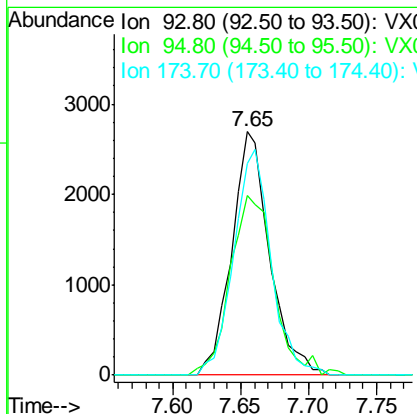
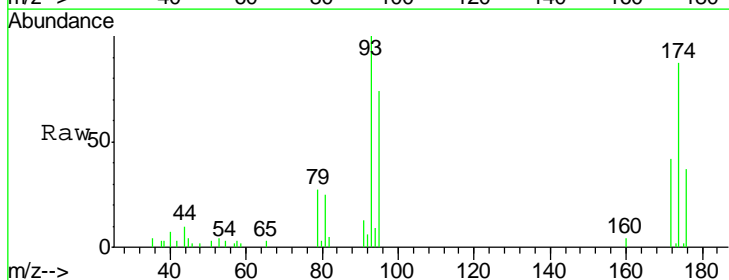
Manual Integrations
APPROVED

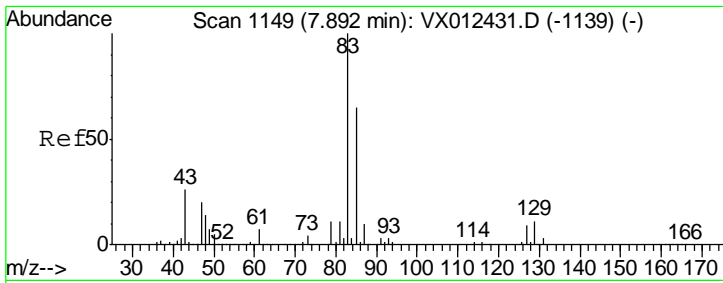
MMDadoda
 9/18/2019 11:22:05 AM



#46
 Dibromomethane
 Concen: 3.411 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

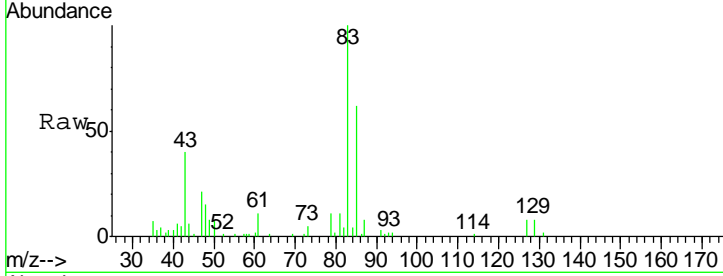
Tgt Ion	Resp	Lower	Upper
93	100		
95	85.3	66.6	100.0
174	91.8	77.4	116.0





#47
 Bromodichloromethane
 Concen: 3.383 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

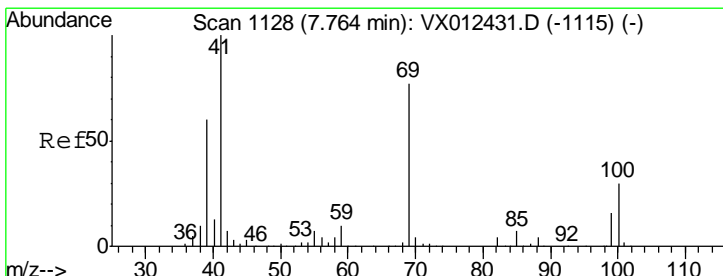
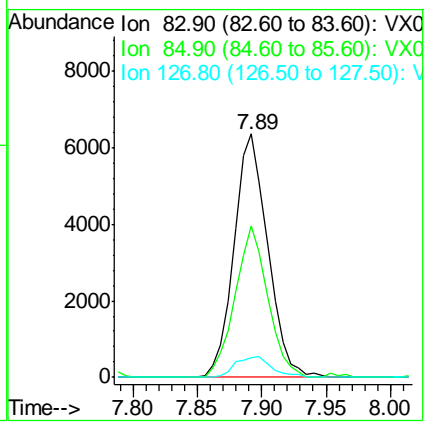
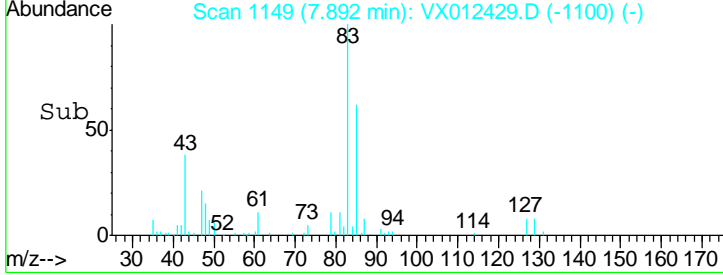
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005



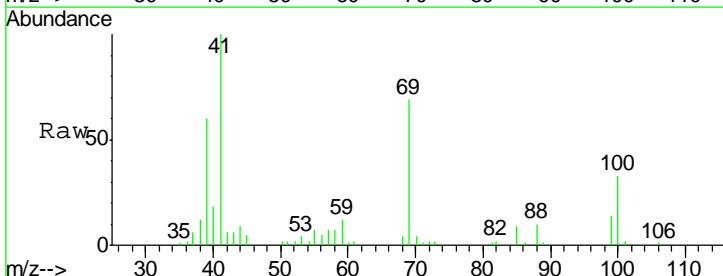
Tgt Ion: 83 Resp: 11540

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.6
127	8.2	7.3	10.9

Manual Integrations
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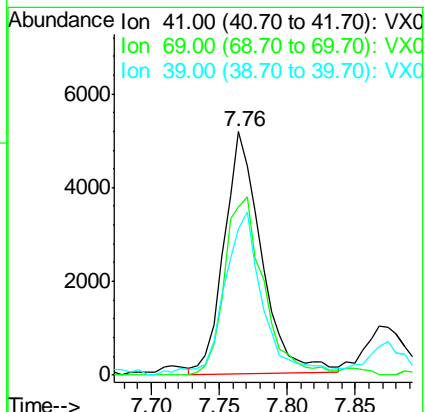
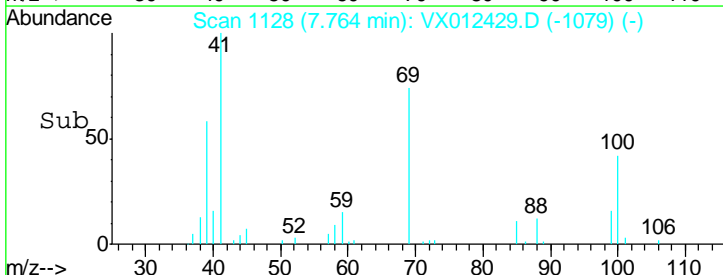


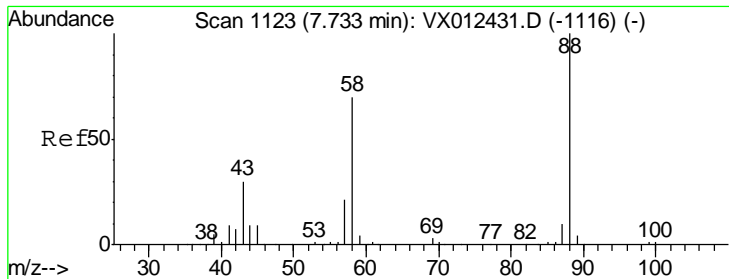
#48
 Methyl methacrylate
 Concen: 3.409 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23



Tgt Ion: 41 Resp: 9812

Ion	Ratio	Lower	Upper
41	100		
69	77.7	59.9	89.9
39	69.7	47.8	71.6





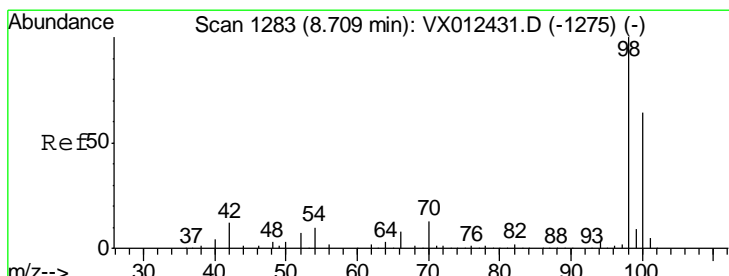
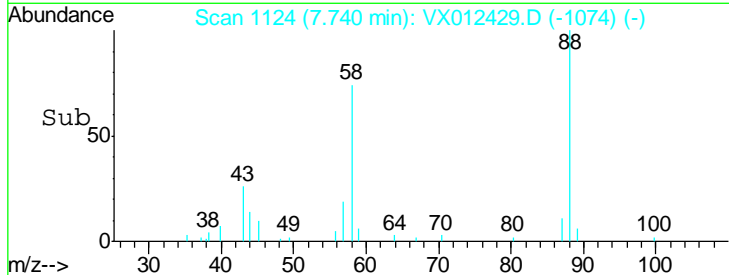
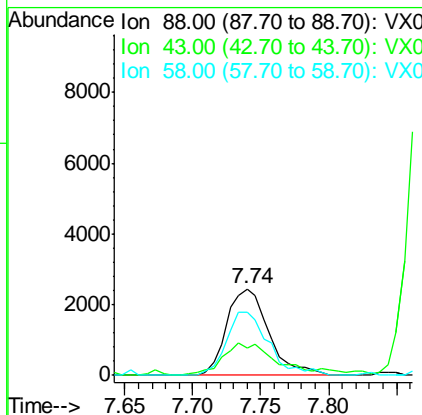
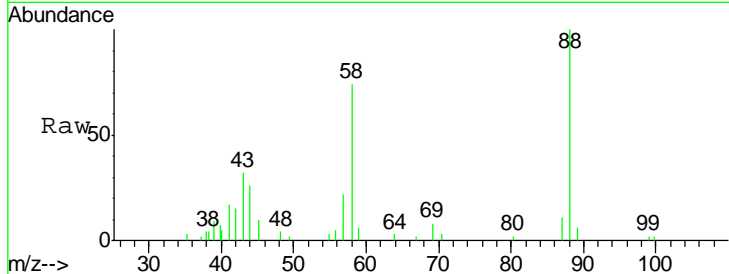
#49
 1,4-Dioxane
 Concen: 71.242 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
88	5232		
88	100		
43	46.8	29.4	44.0#
58	74.2	57.5	86.3

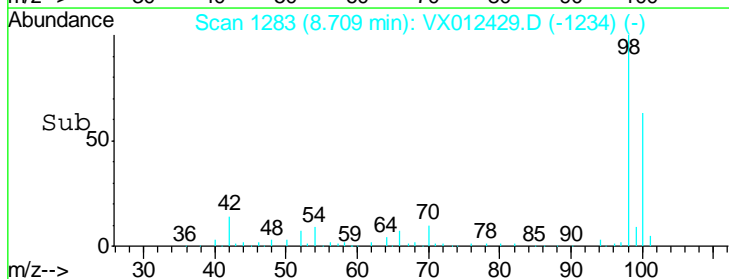
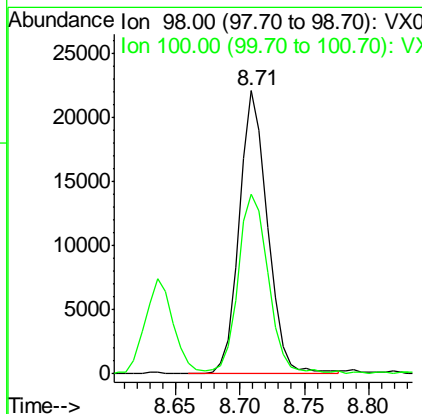
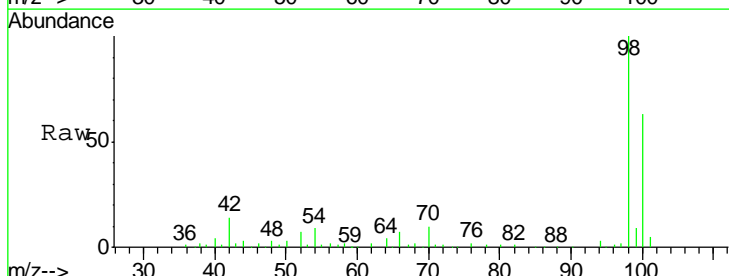
Manual Integrations
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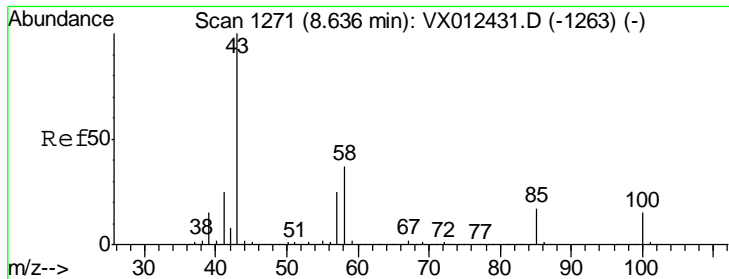
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#50
 Toluene-d8
 Concen: 3.806 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
98	33567		
98	100		
100	67.4	53.4	80.2





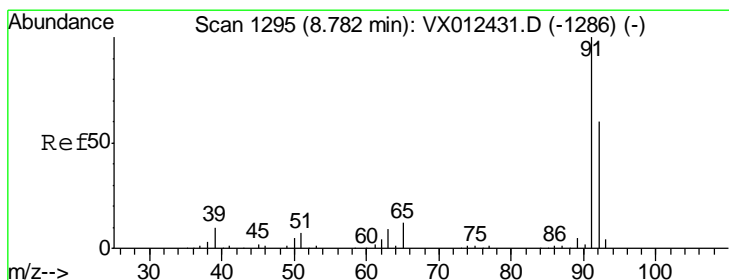
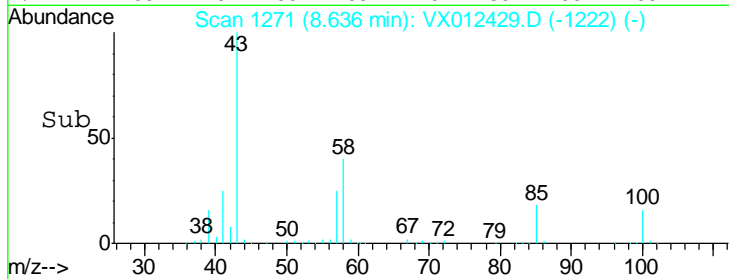
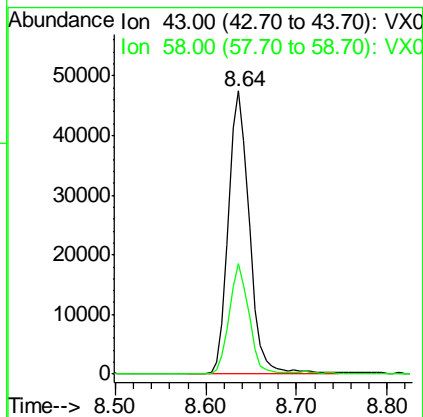
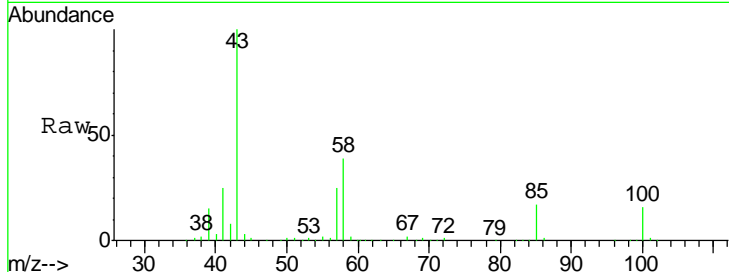
#51
 4-Methyl-2-Pentanone
 Concen: 18.124 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	36.8	29.8	44.6

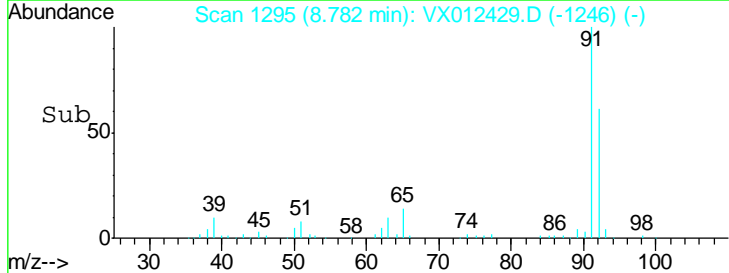
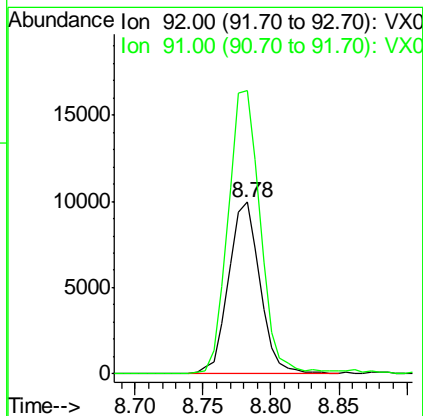
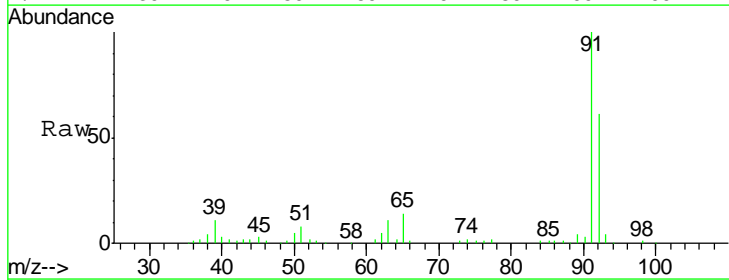
Manual Integrations
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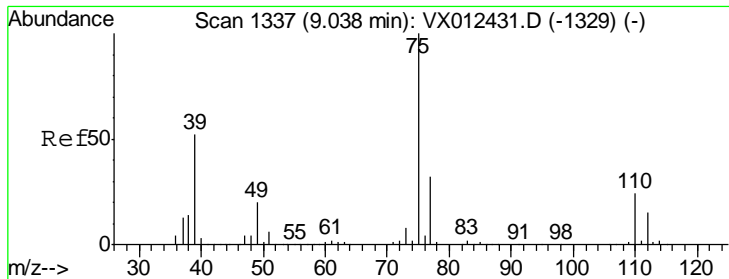
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#52
 Toluene
 Concen: 3.292 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.5	135.4	203.0





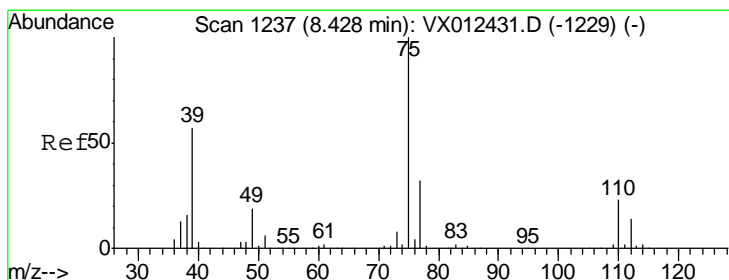
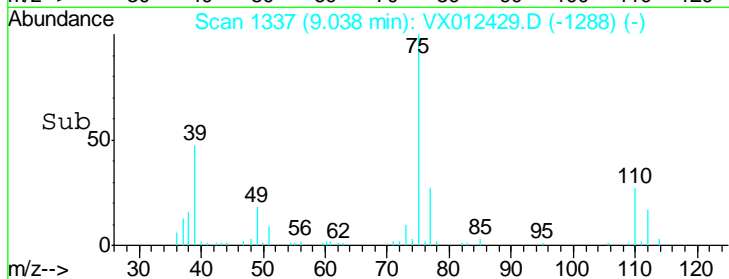
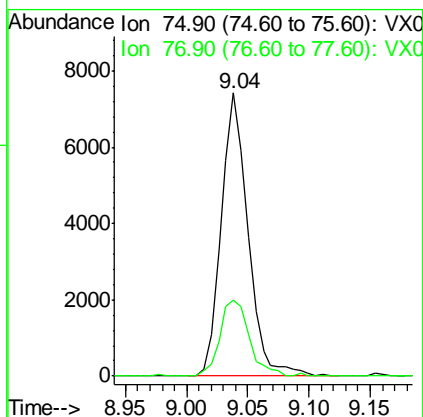
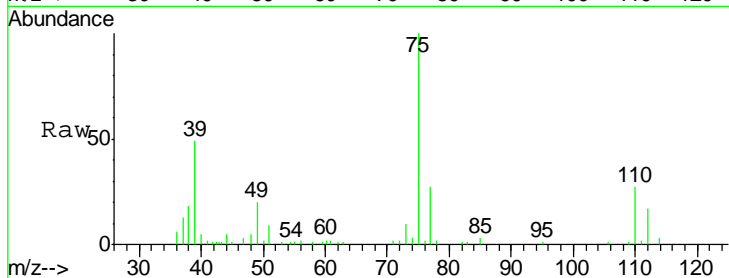
#53
 t-1,3-Dichloropropene
 Concen: 3.183 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	11266		
75	100		
77	26.9	25.2	37.8

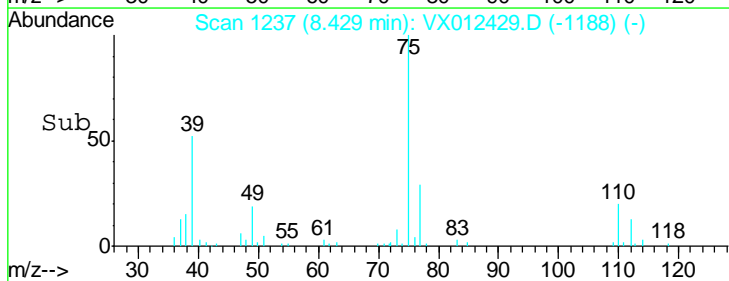
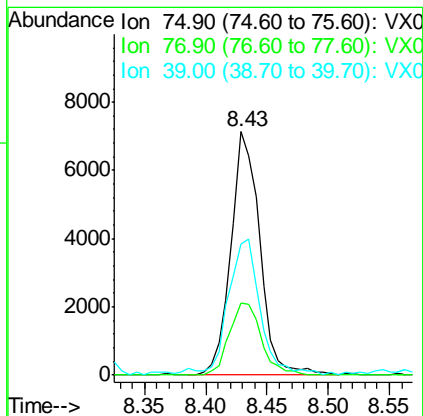
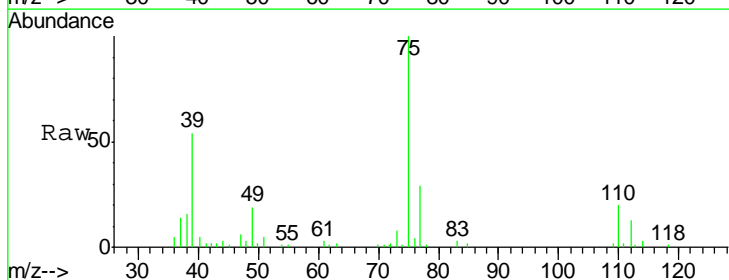
Manual Integrations
 APPROVED

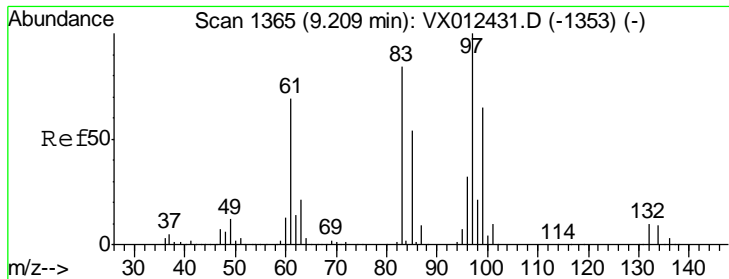
MMDadoda
 9/18/2019 11:22:05 AM



#54
 cis-1,3-Dichloropropene
 Concen: 3.183 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
75	11661		
75	100		
77	29.4	25.8	38.8
39	53.6	45.5	68.3





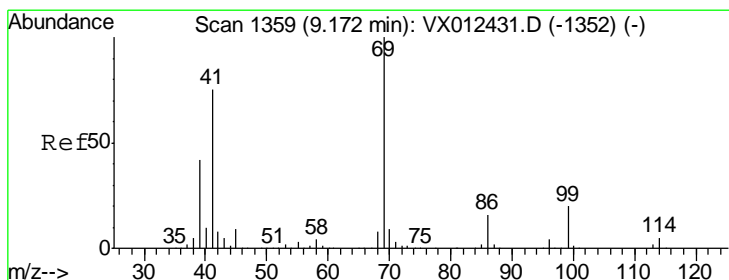
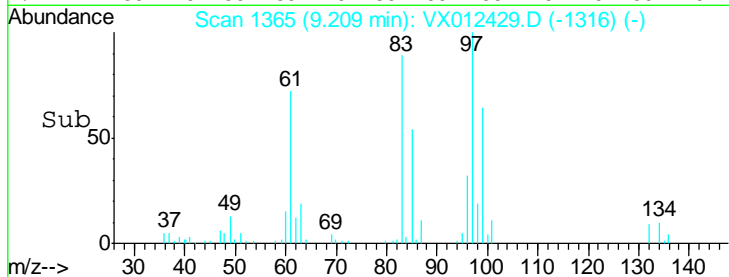
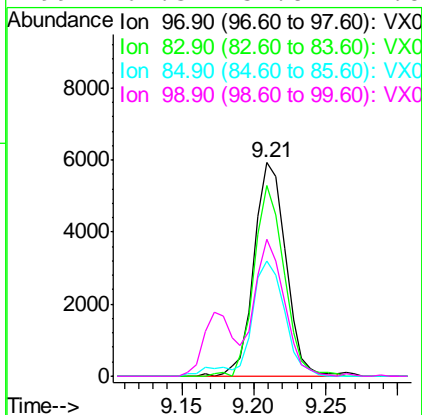
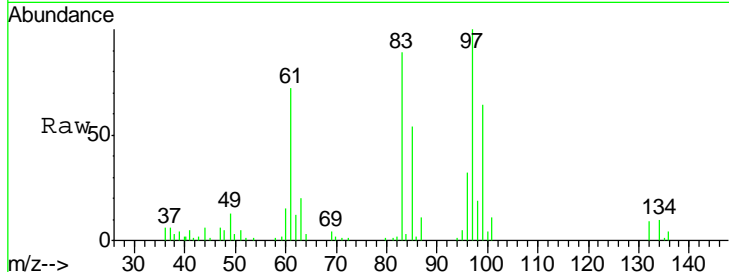
#55
 1,1,2-Trichloroethane
 Concen: 3.486 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
97	100		
83	89.0	67.4	101.2
85	53.9	43.5	65.3
99	64.3	51.8	77.8

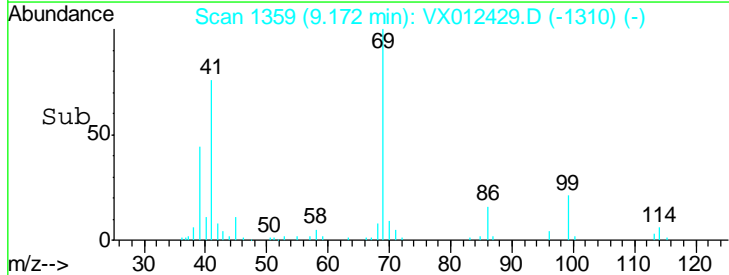
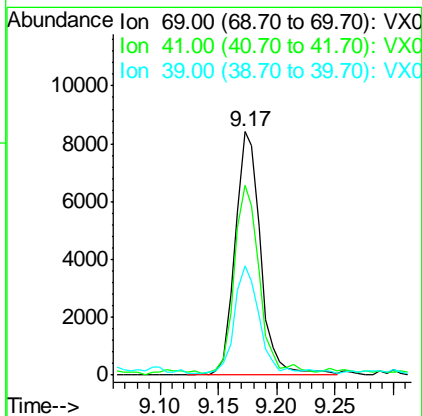
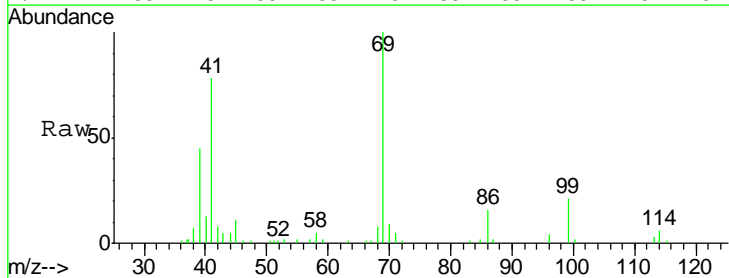
Manual Integrations
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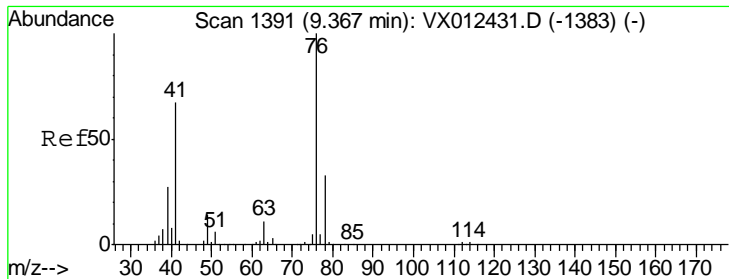
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#56
 Ethyl methacrylate
 Concen: 3.326 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
69	100		
41	76.1	58.4	87.6
39	42.2	33.4	50.0





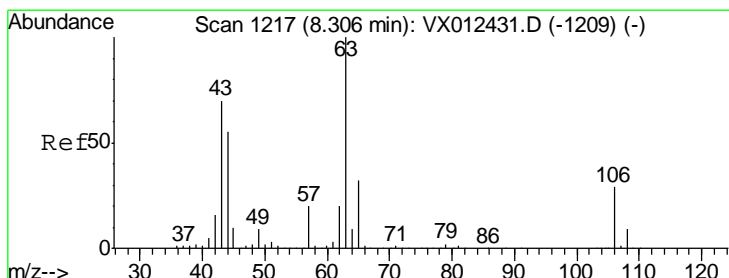
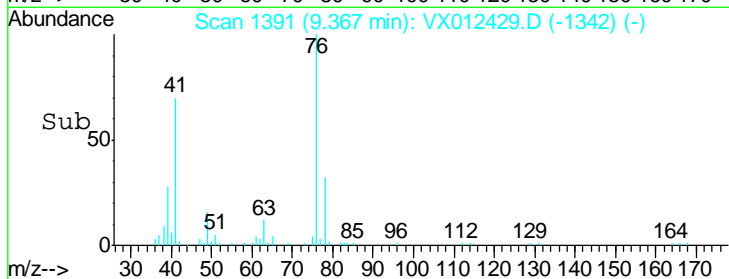
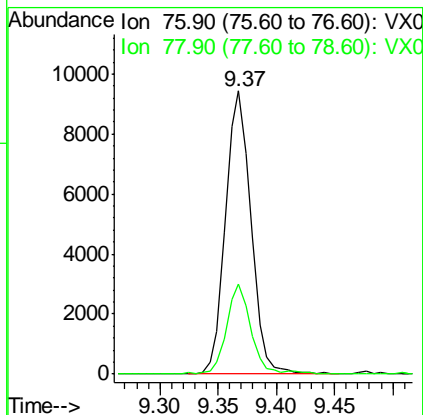
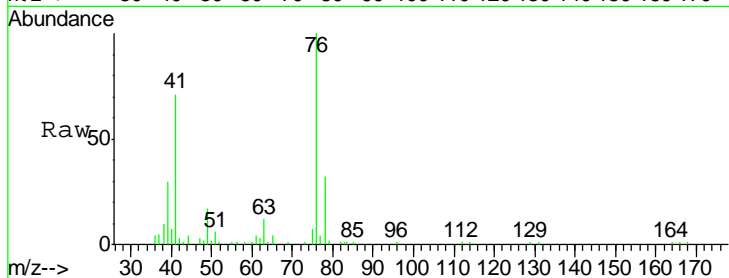
#57
 1,3-Dichloropropane
 Concen: 3.510 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	14334		
76	100		
78	30.1	26.2	39.2

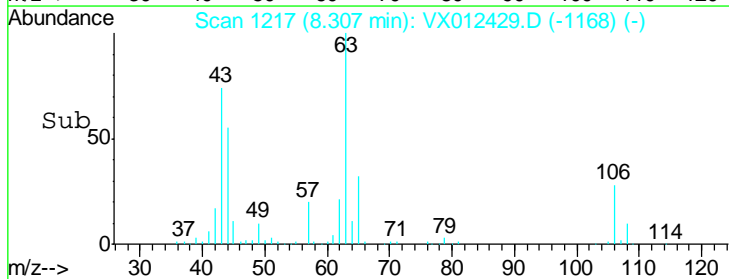
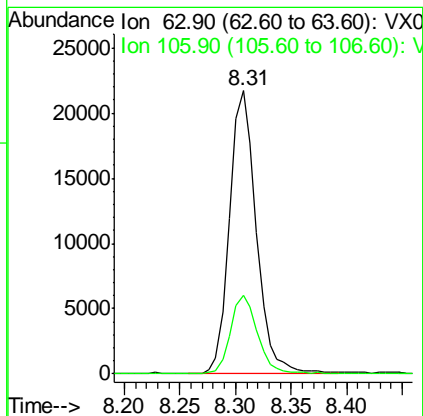
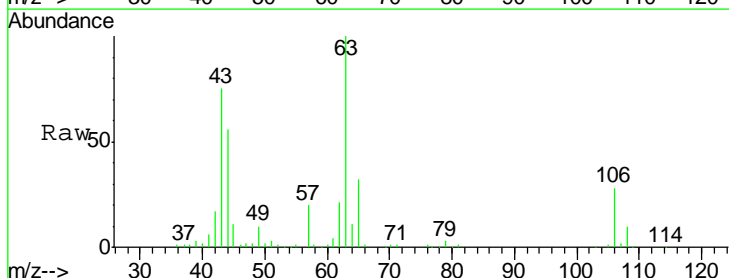
Manual Integrations
APPROVED

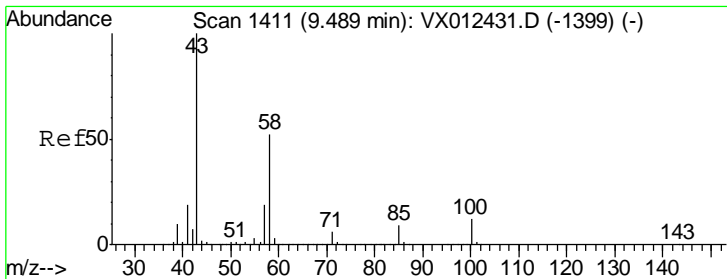
MMDadoda
 9/18/2019 11:22:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 17.569 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
63	36305		
63	100		
106	28.0	23.8	35.6





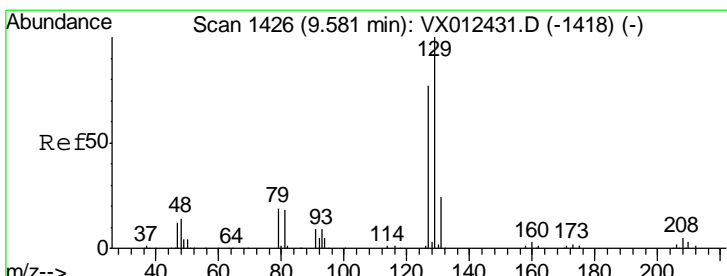
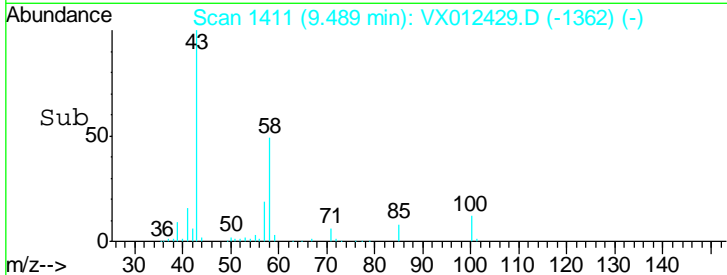
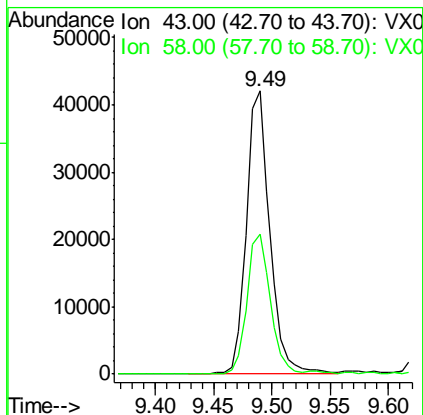
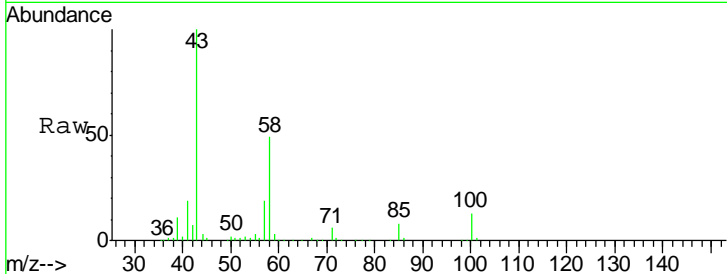
#59
 2-Hexanone
 Concen: 18.222 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	59080		
58	50.3	25.7	77.1

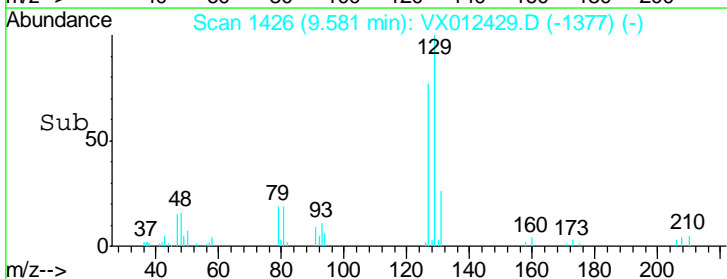
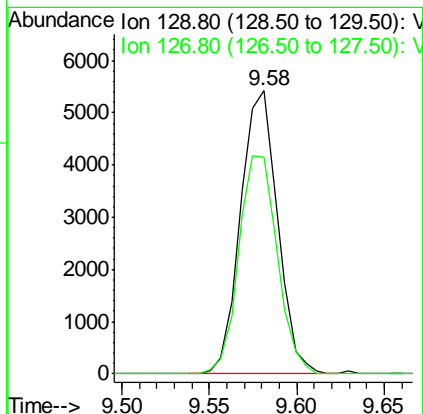
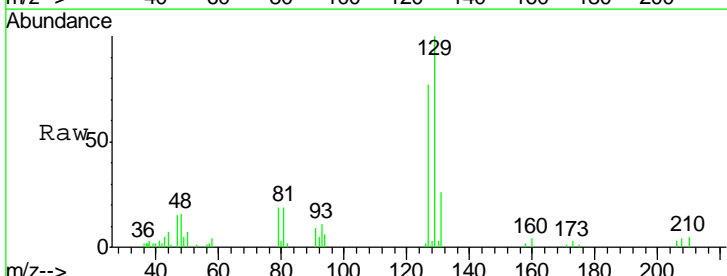
Manual Integrations
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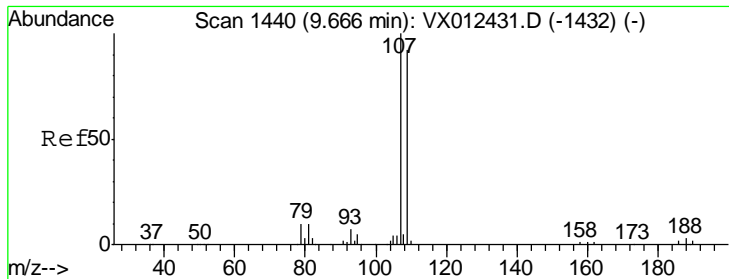
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#60
 Dibromochloromethane
 Concen: 3.029 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
129	7981		
127	80.2	38.9	116.6





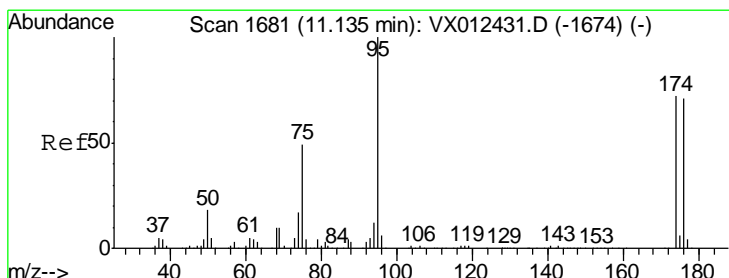
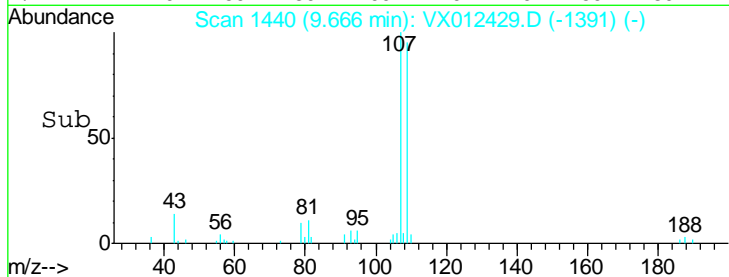
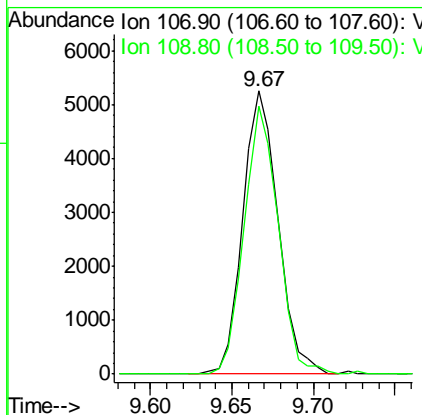
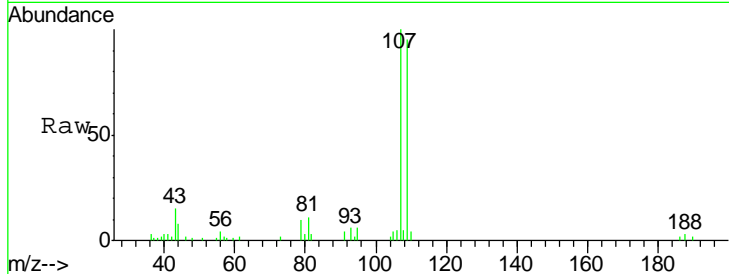
#61
 1,2-Dibromoethane
 Concen: 3.343 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
107	7907		
109	91.6	74.7	112.1

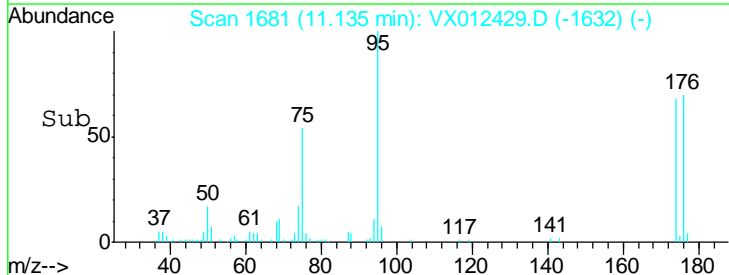
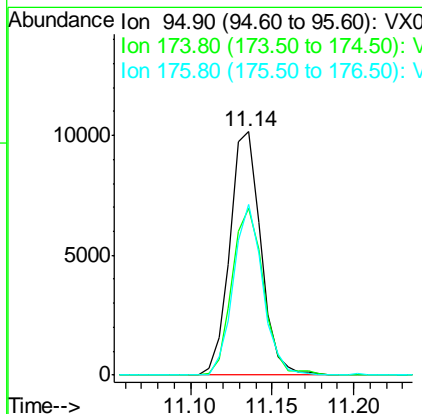
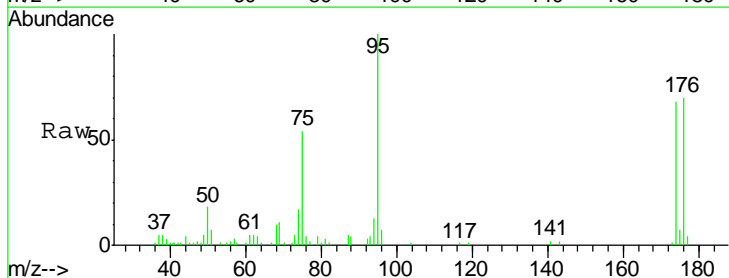
Manual Integrations
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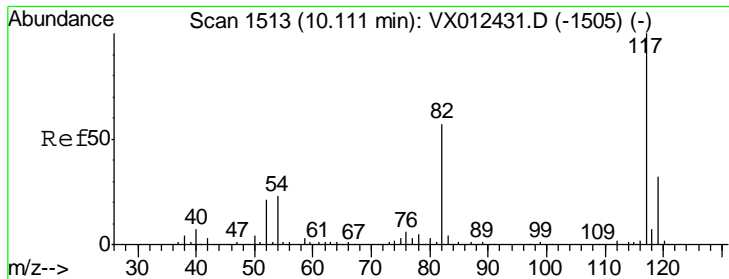
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#62
 4-Bromofluorobenzene
 Concen: 3.585 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

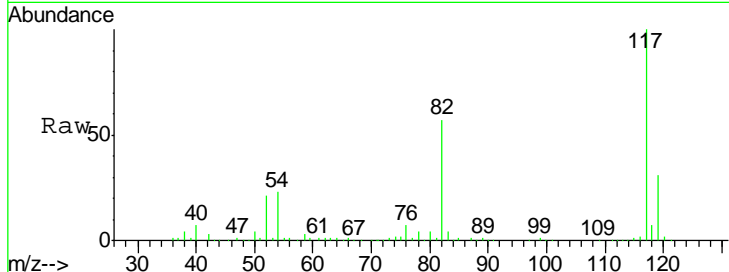
Tgt Ion	Resp	Lower	Upper
95	13399		
174	69.5	0.0	140.0
176	66.4	0.0	135.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

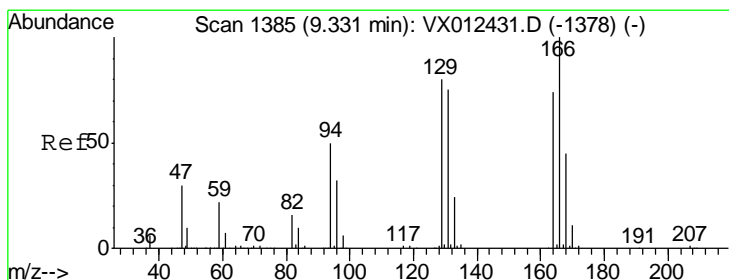
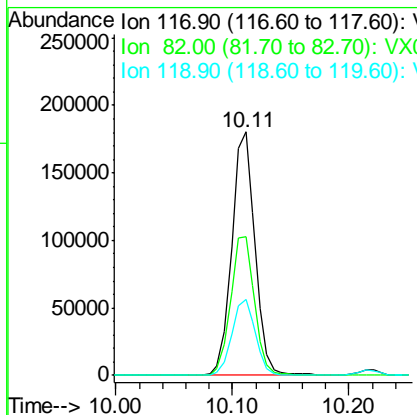
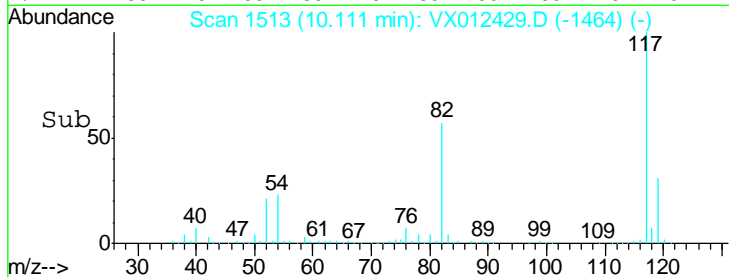
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005



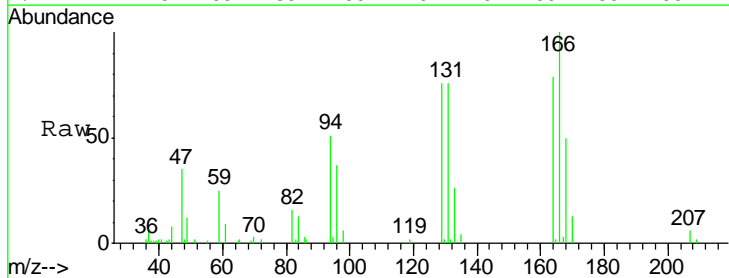
Tgt Ion: 117 Resp: 249961

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.9	68.9
119	31.3	25.3	37.9

Manual Integrations
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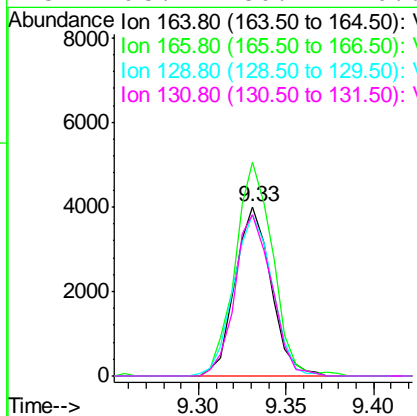
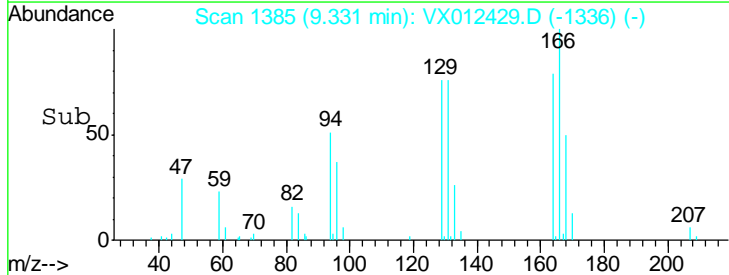


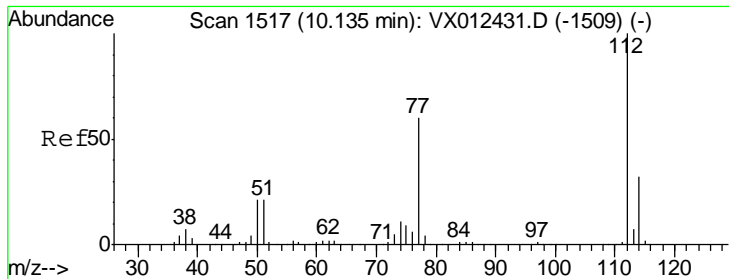
#64
 Tetrachloroethene
 Concen: 3.681 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23



Tgt Ion: 164 Resp: 5757

Ion	Ratio	Lower	Upper
164	100		
166	126.0	107.8	161.6
129	95.1	86.2	129.2
131	95.4	80.4	120.6





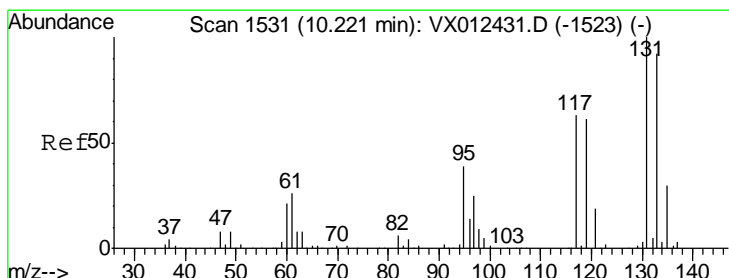
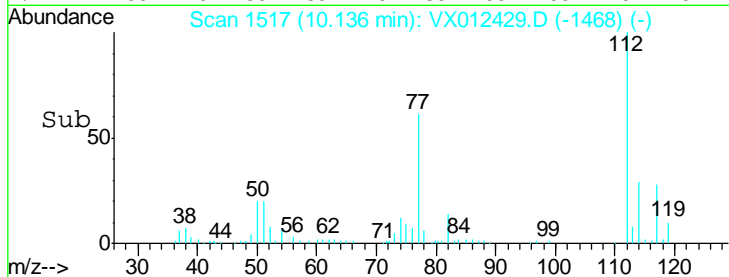
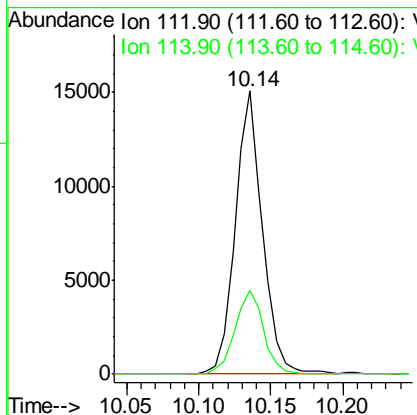
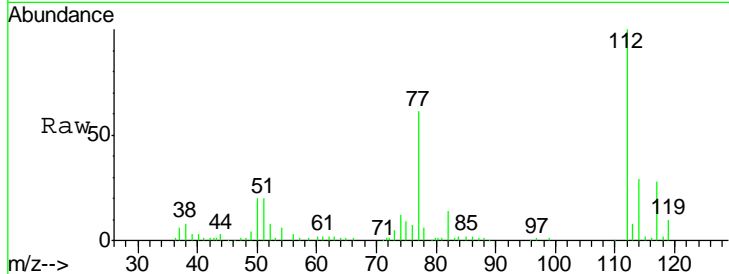
#65
 Chlorobenzene
 Concen: 3.591 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
112	19760		
114	29.4	25.4	38.0

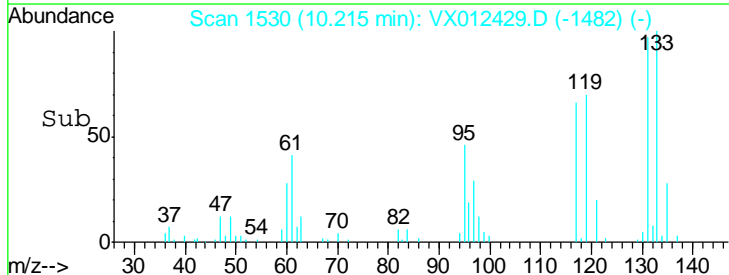
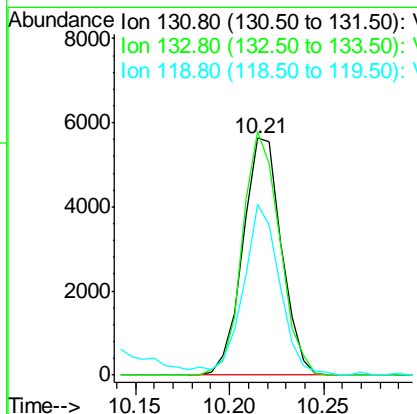
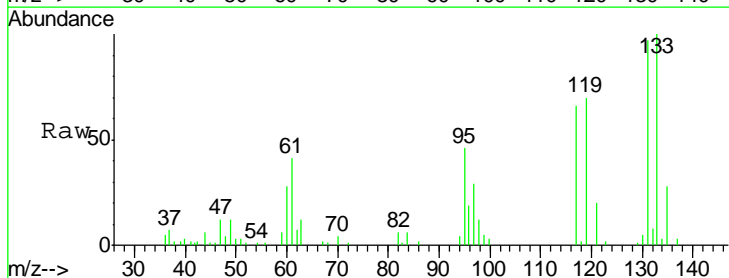
Manual Integrations
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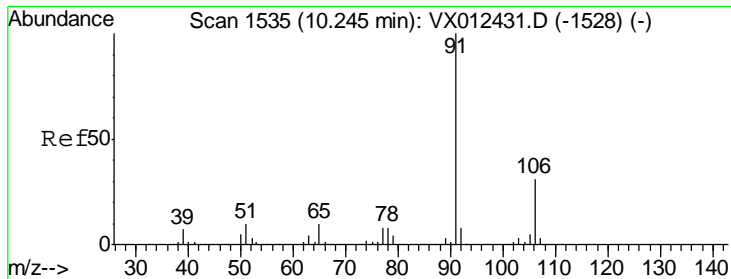
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 3.429 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
131	7997		
133	98.5	47.6	142.9
119	68.7	31.3	93.8





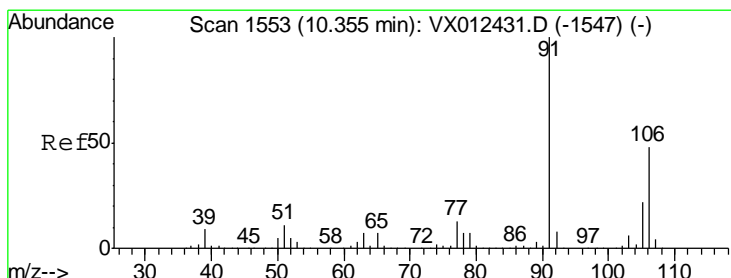
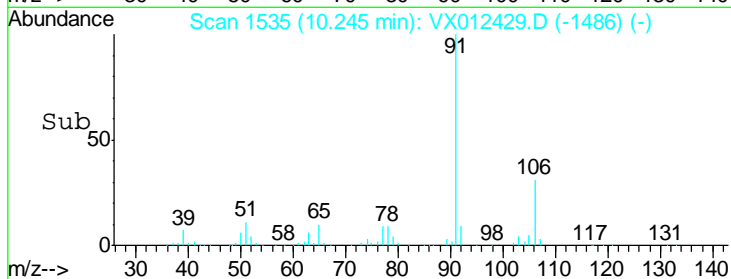
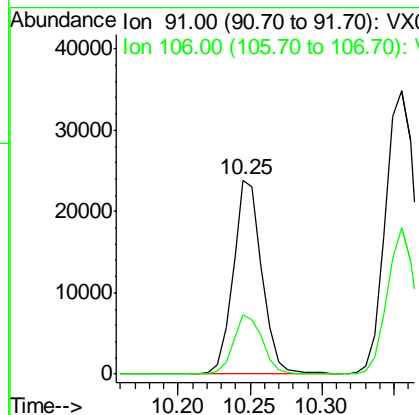
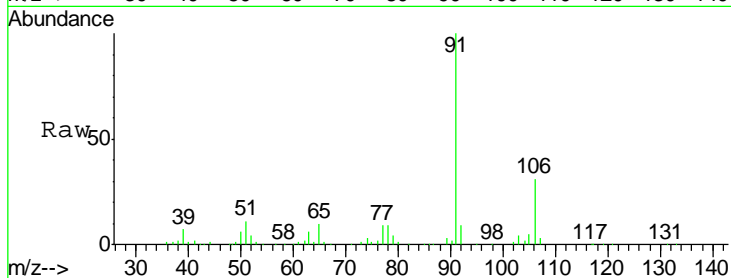
#67
 Ethyl Benzene
 Concen: 3.525 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	33199	100	
106	30.8	24.6	37.0

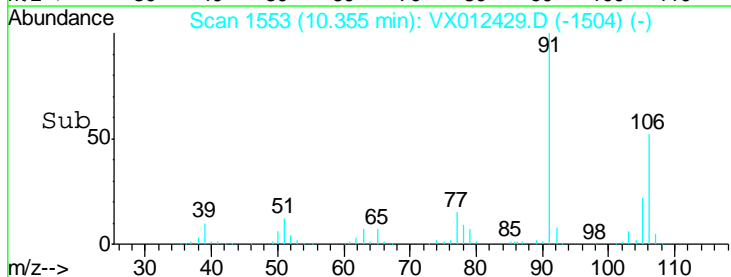
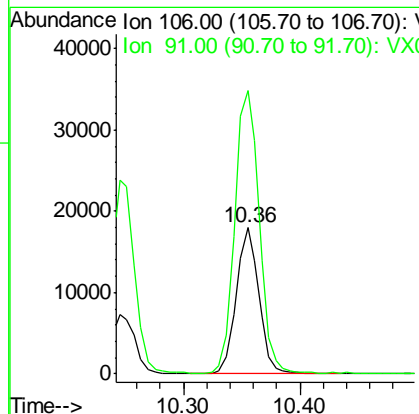
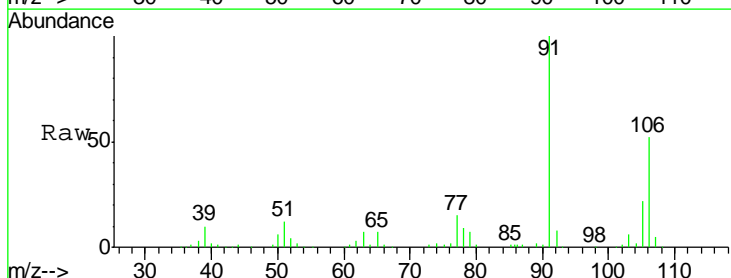
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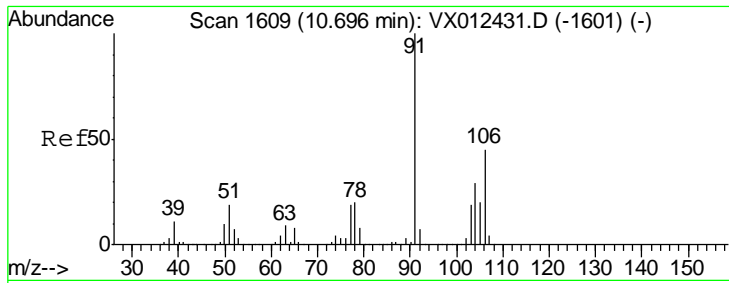
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#68
 m/p-Xylenes
 Concen: 7.090 ug/l
 RT: 10.36 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
106	24597	100	
91	208.1	166.6	250.0





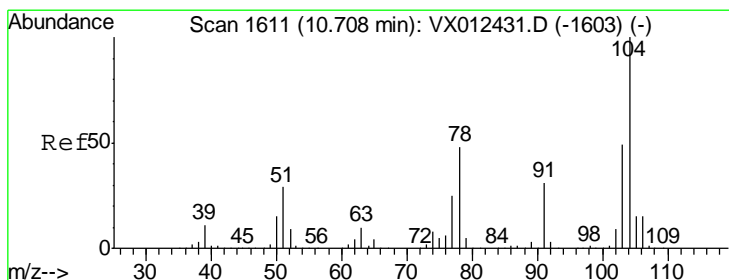
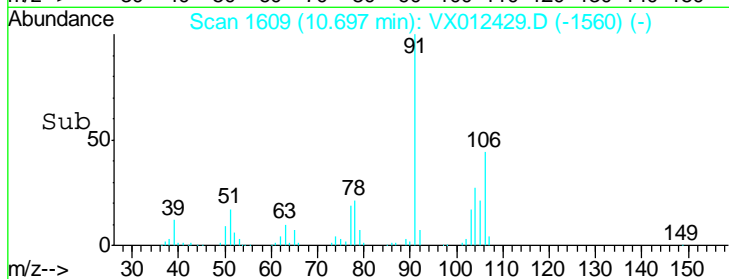
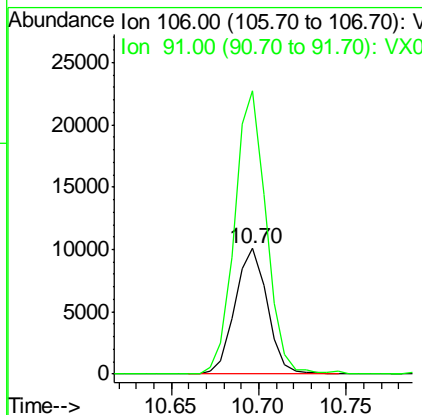
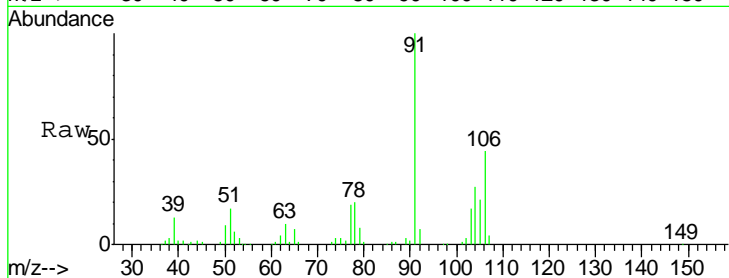
#69
 o-Xylene
 Concen: 3.599 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
106	12957		
106	100		
91	221.2	109.4	328.2

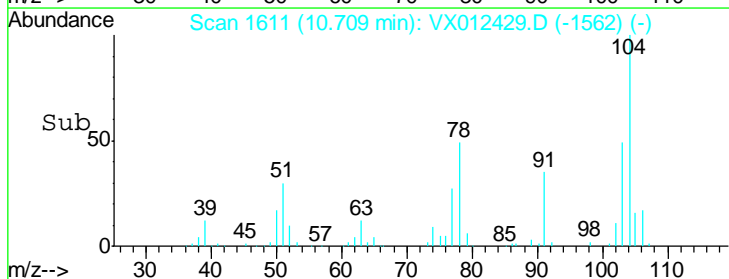
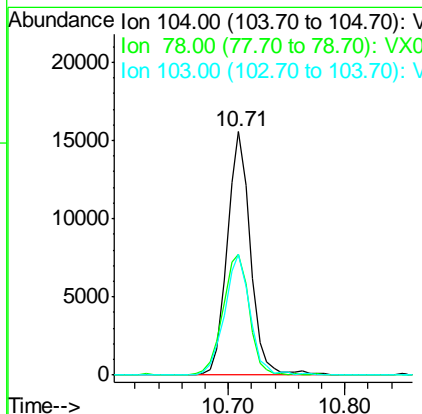
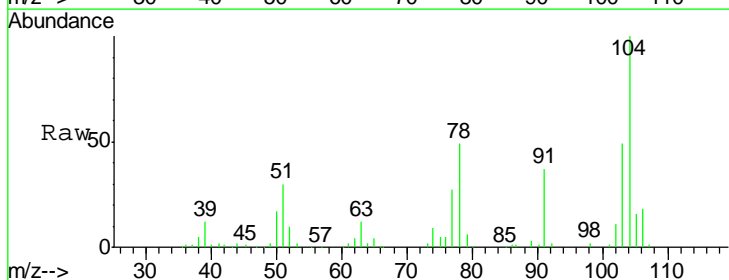
Manual Integrations
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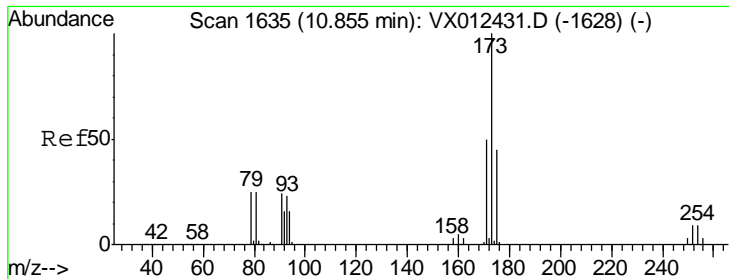
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#70
 Styrene
 Concen: 3.446 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
104	21498		
104	100		
78	55.8	43.4	65.2
103	54.6	43.3	64.9





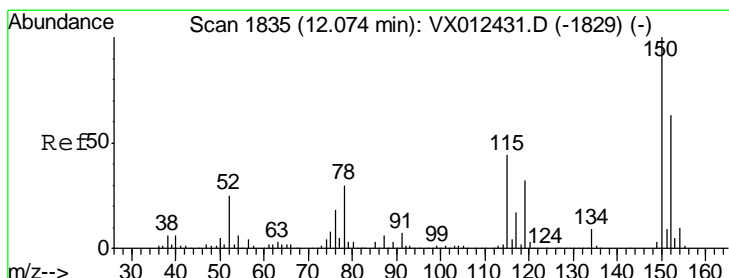
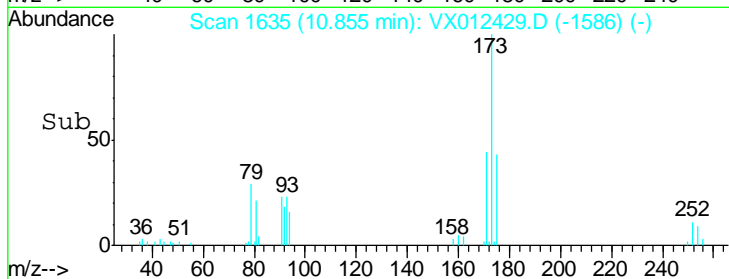
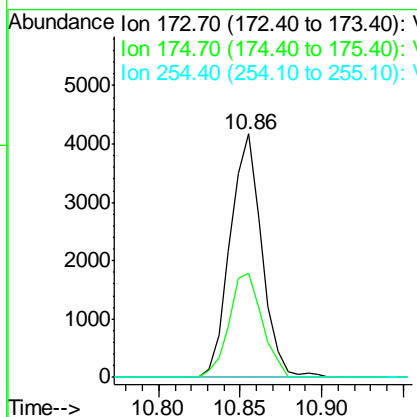
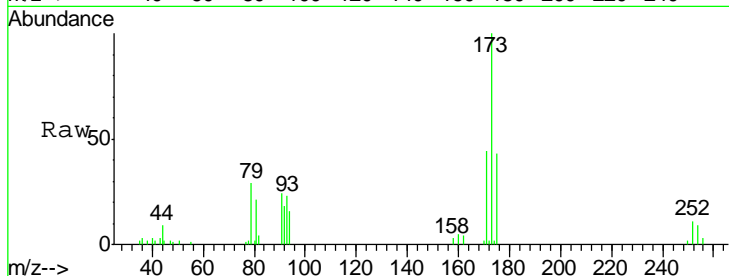
#71
 Bromoform
 Concen: 3.148 ug/l
 RT: 10.86 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
173	5632		
175	44.6	23.7	71.1
254	0.0	0.1	0.1

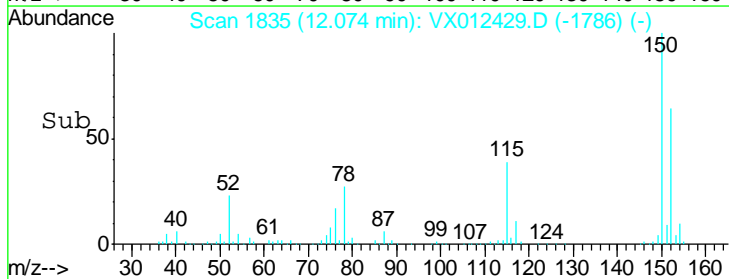
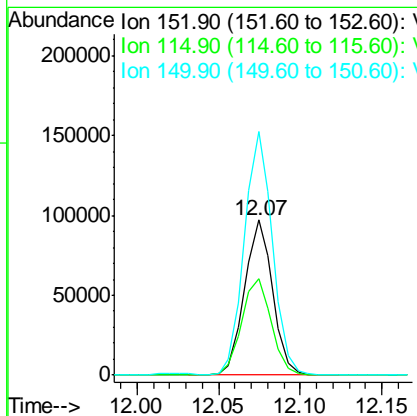
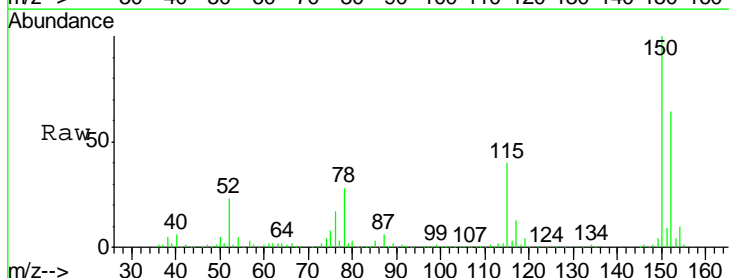
Manual Integrations
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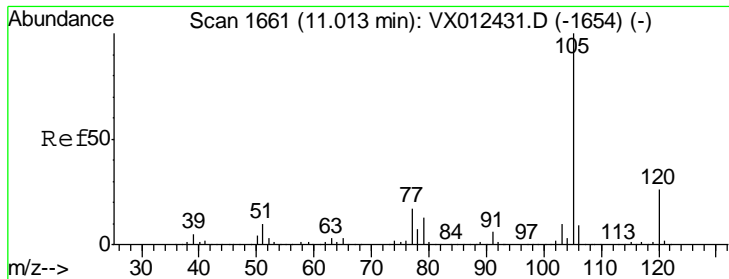
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
152	116349		
115	65.8	44.1	132.3
150	157.7	0.0	343.8





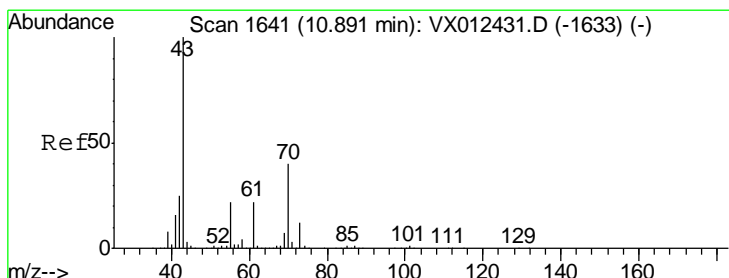
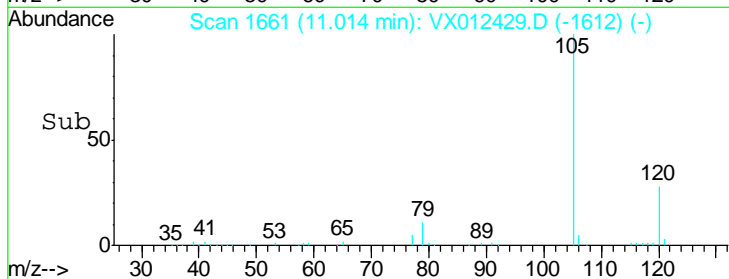
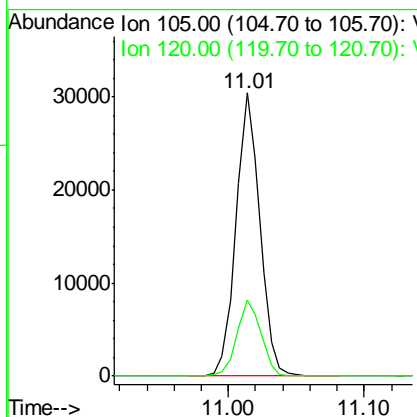
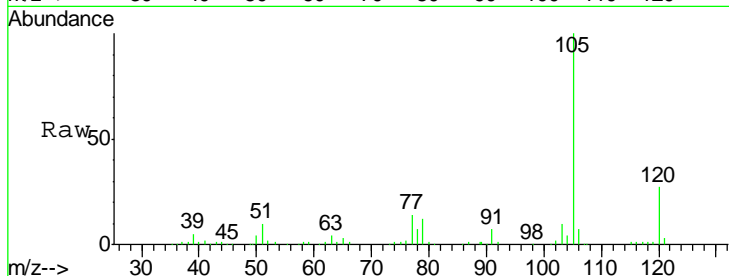
#73
 Isopropylbenzene
 Concen: 4.688 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	37073		
105	100		
120	27.1	12.9	38.7

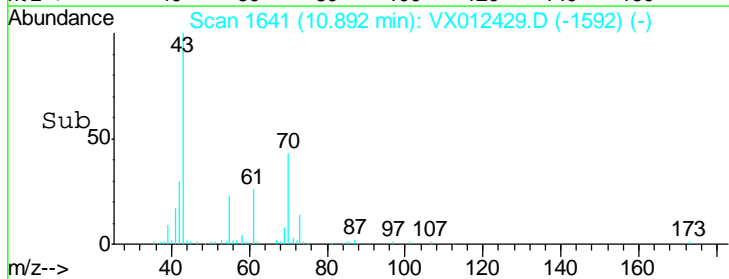
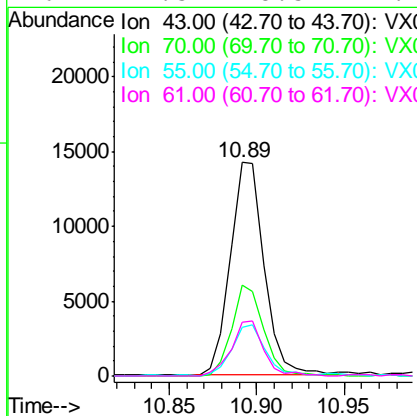
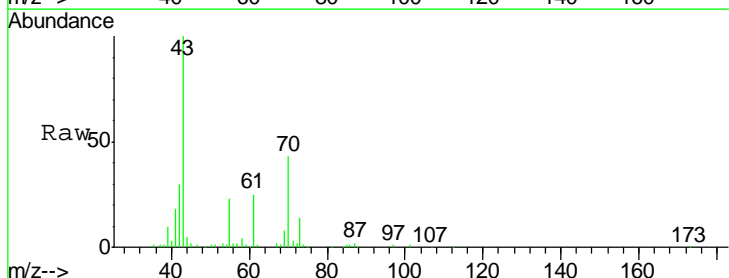
Manual Integrations
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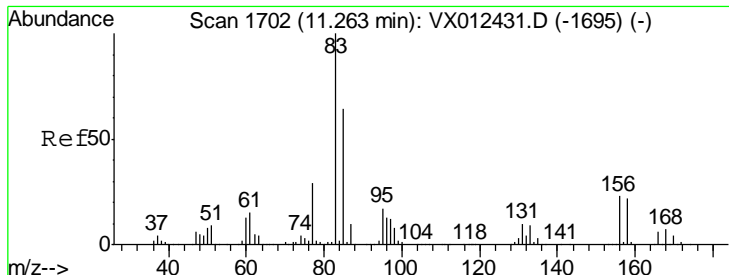
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#74
 N-nyl acetate
 Concen: 4.566 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
43	19238		
43	100		
70	40.6	32.4	48.6
55	23.4	18.2	27.4
61	24.5	18.5	27.7





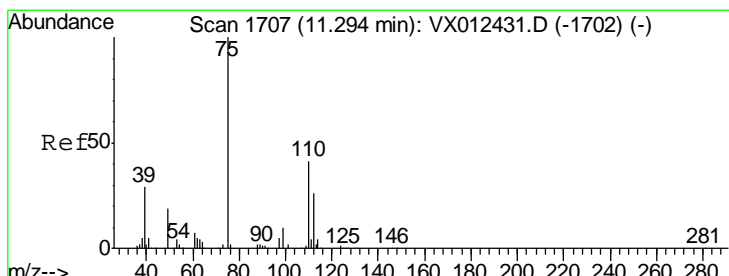
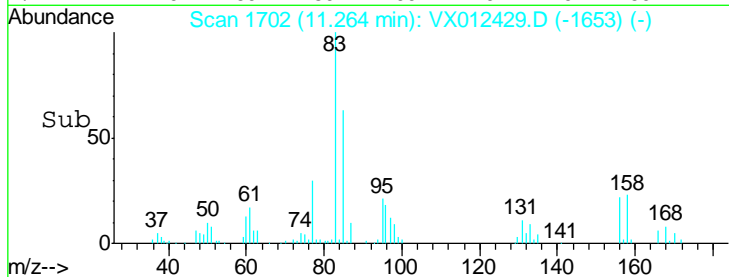
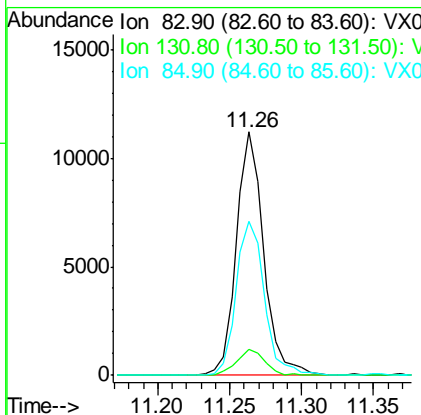
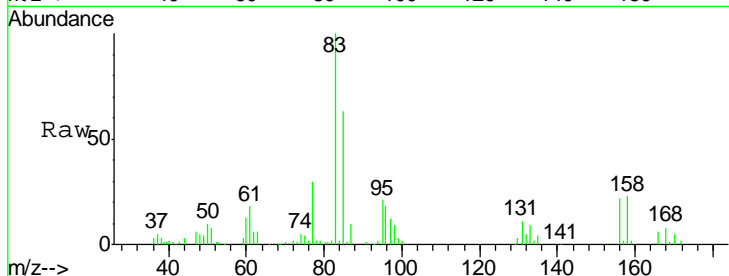
#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.680 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	14829		
83	100		
131	10.9	5.2	15.6
85	65.6	32.0	96.0

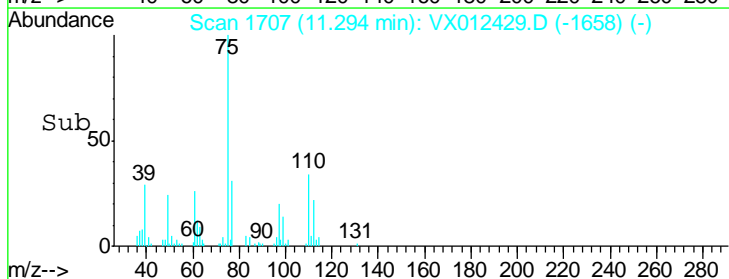
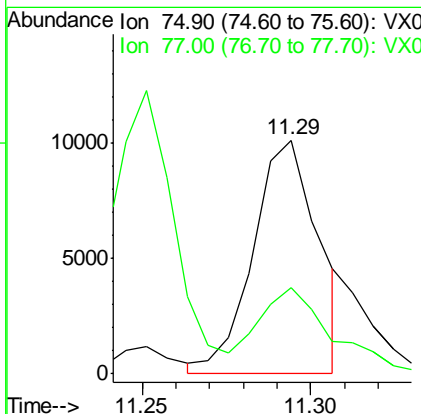
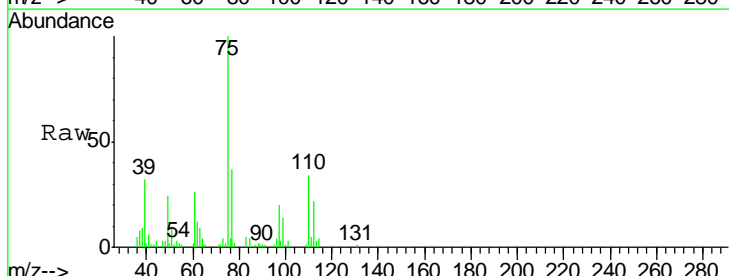
Manual Integrations APPROVED

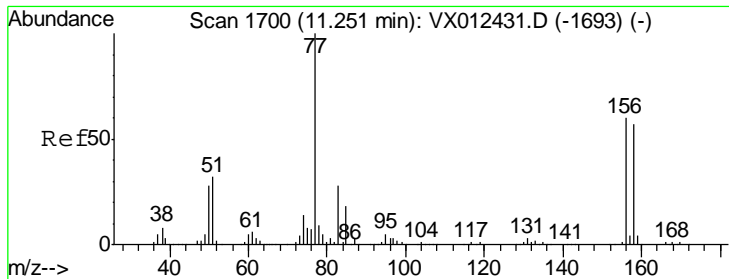
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 9/18/2019 11:22:05 AM



#76
 1,2,3-Trichloropropane
 Concen: 4.592 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
75	13508		
75	100		
77	41.4	19.7	59.0





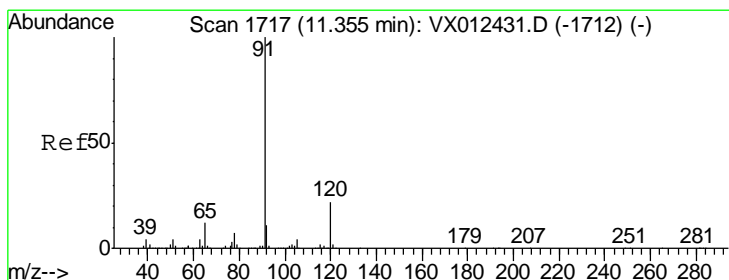
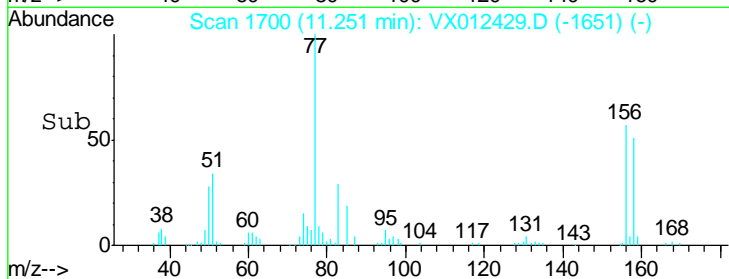
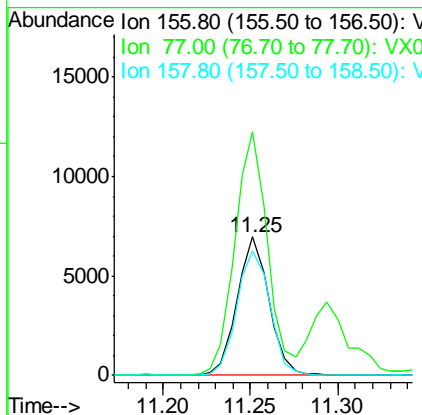
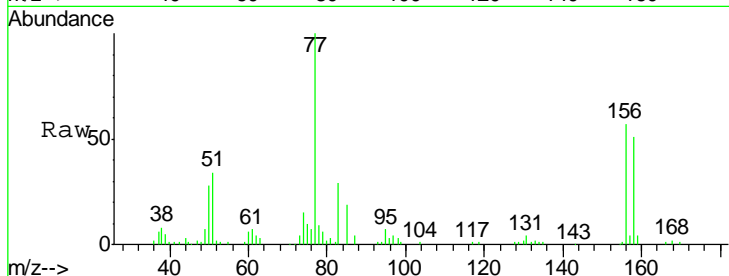
#77
 Bromobenzene
 Concen: 4.385 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	8866		
77	180.2	87.3	261.8
158	93.5	48.5	145.6

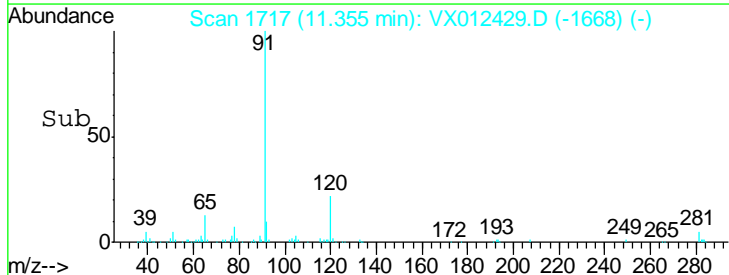
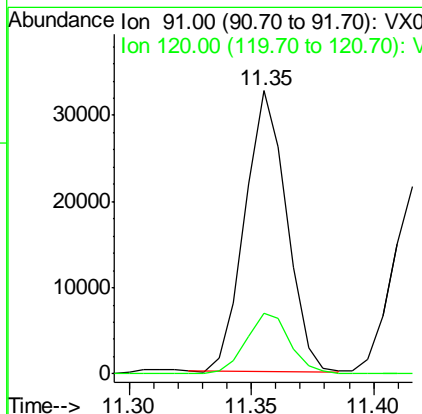
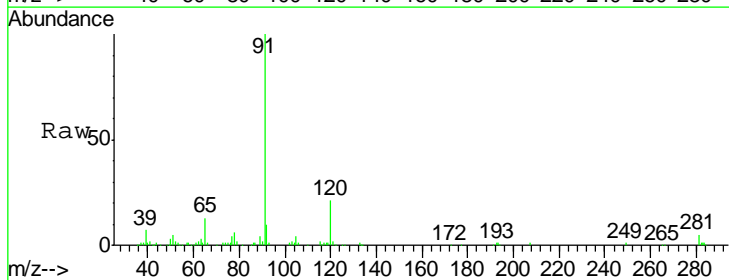
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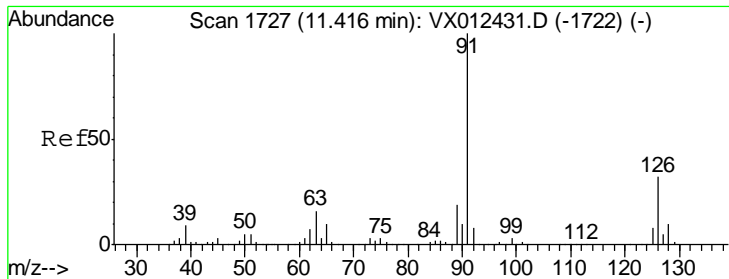
MMDadoda
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#78
 n-propylbenzene
 Concen: 4.317 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
91	38554		
120	22.9	11.3	33.8





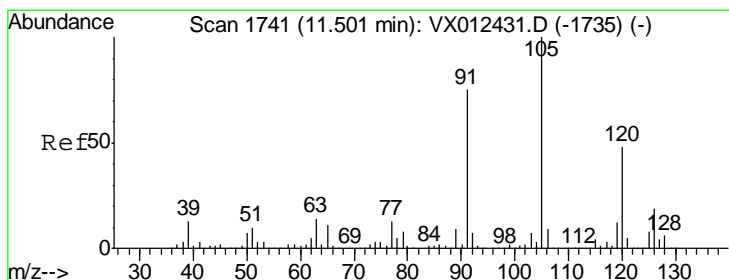
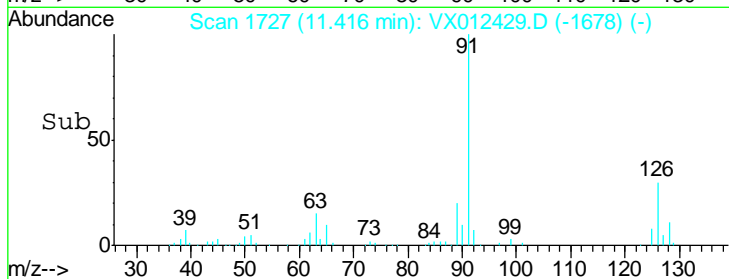
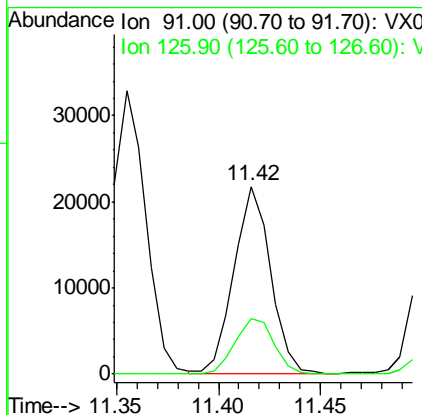
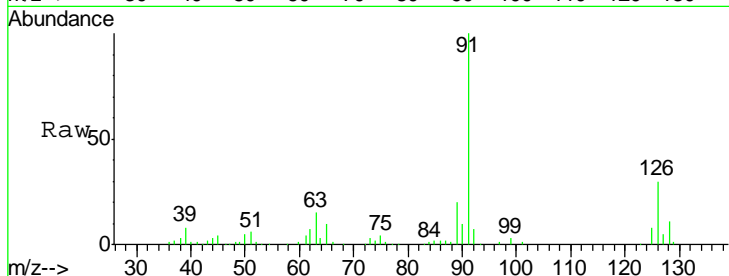
#79
 2-Chlorotoluene
 Concen: 4.678 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	26772	100	
126	31.8	16.4	49.4

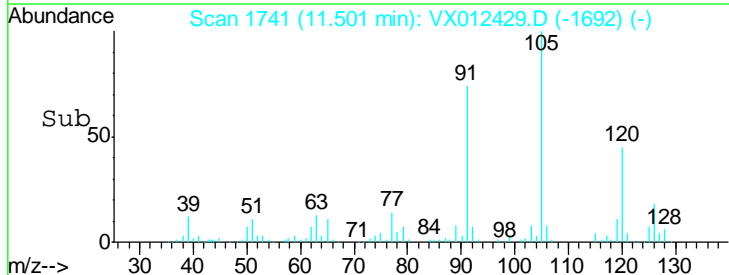
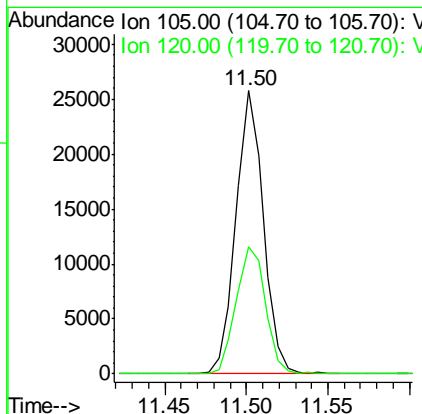
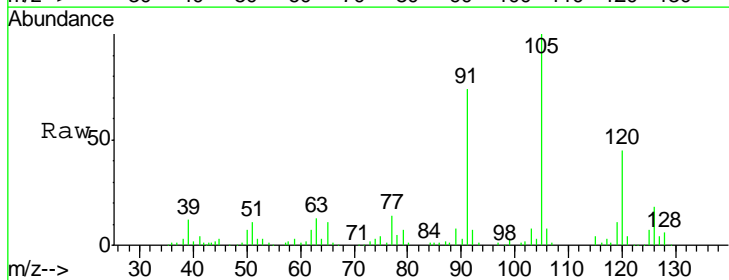
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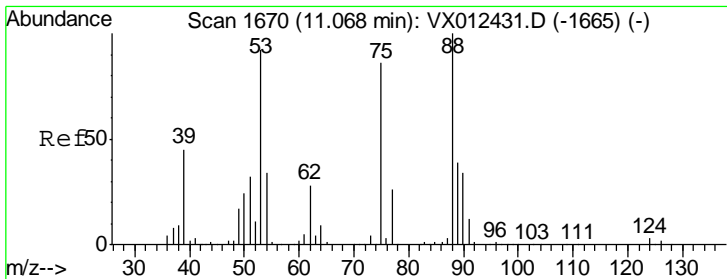
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.409 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
105	30274	100	
120	48.2	24.3	72.8





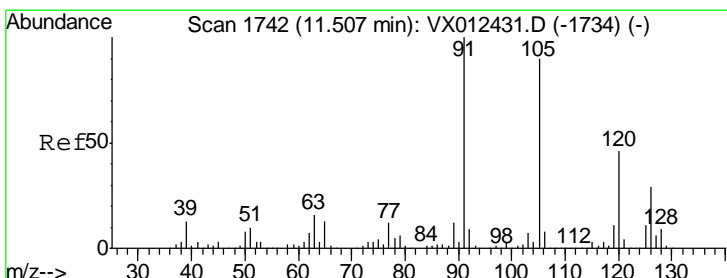
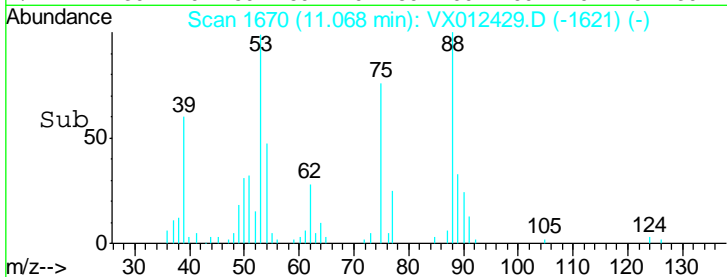
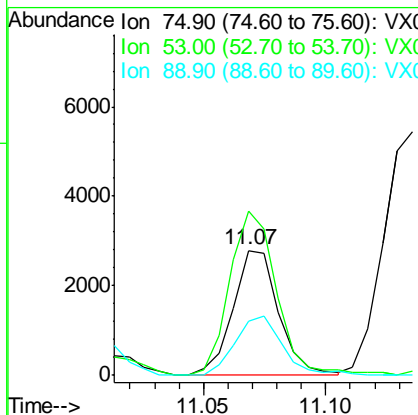
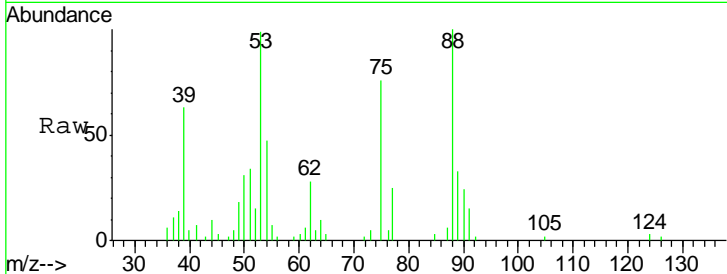
#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.495 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	3640		
75	100		
53	134.4	83.6	125.4#
89	49.5	36.3	54.5

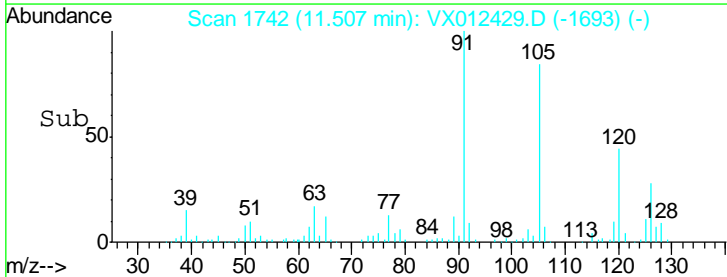
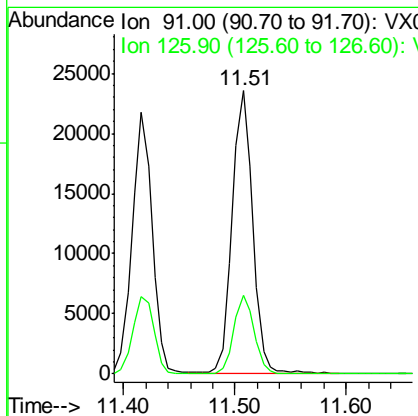
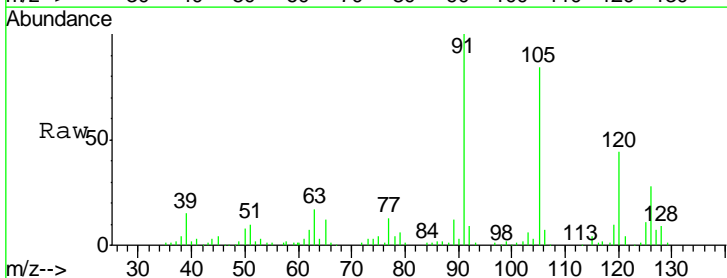
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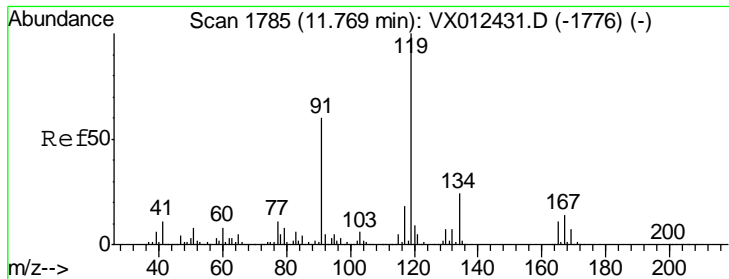
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#82
 4-Chlorotoluene
 Concen: 4.554 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
91	30351		
91	100		
126	27.4	14.4	43.0





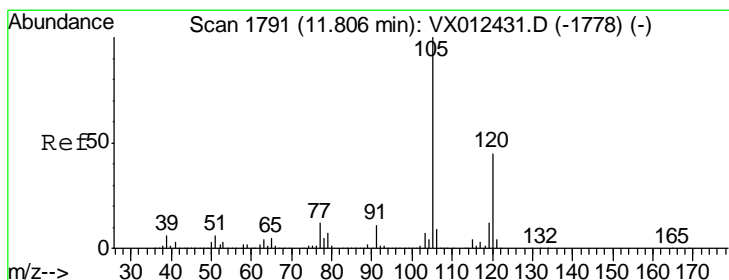
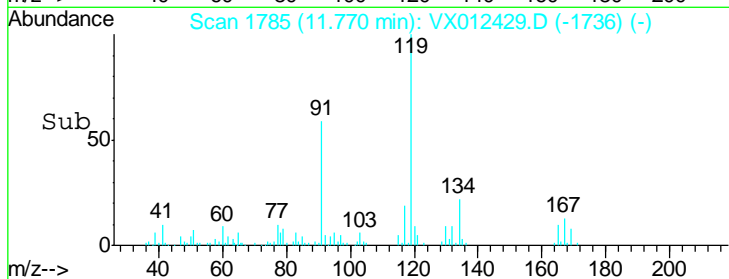
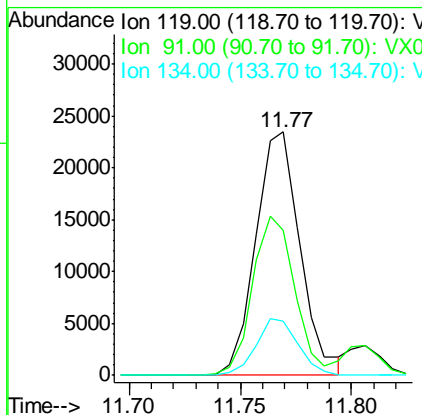
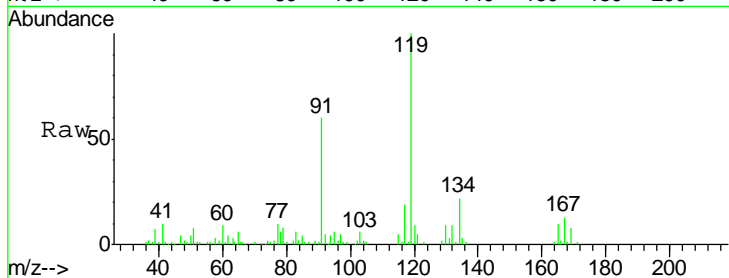
#83
 tert-Butylbenzene
 Concen: 4.476 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
119	32599		
91	62.0	30.0	90.0
134	22.1	11.3	33.9

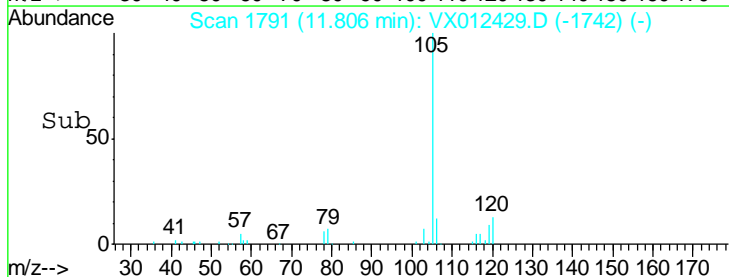
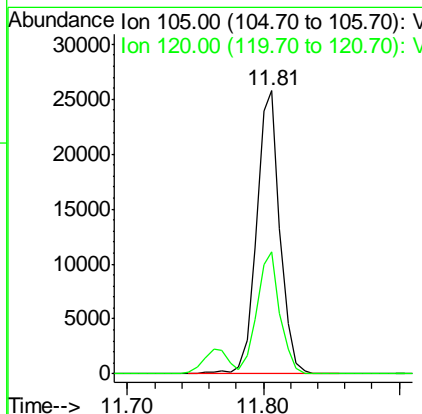
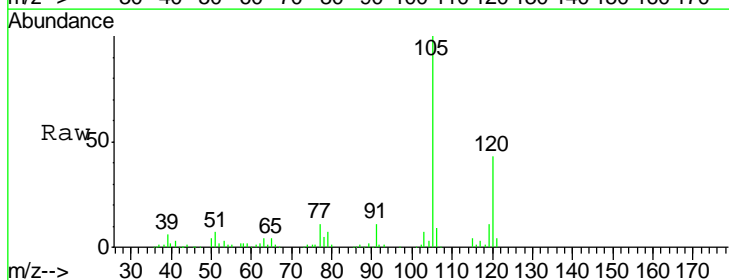
Manual Integrations
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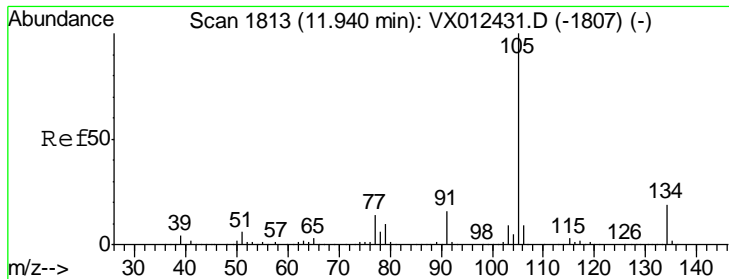
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.459 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

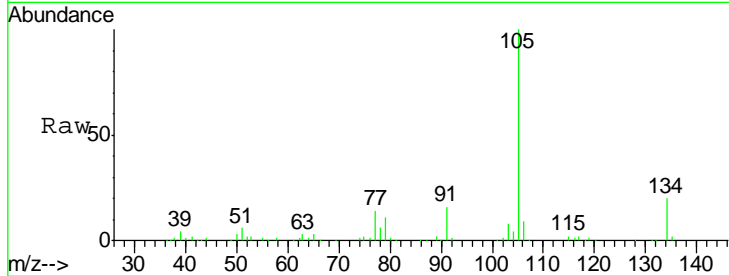
Tgt Ion	Resp	Lower	Upper
105	31064		
120	42.5	22.2	66.6





#85
 sec-Butylbenzene
 Concen: 4.460 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

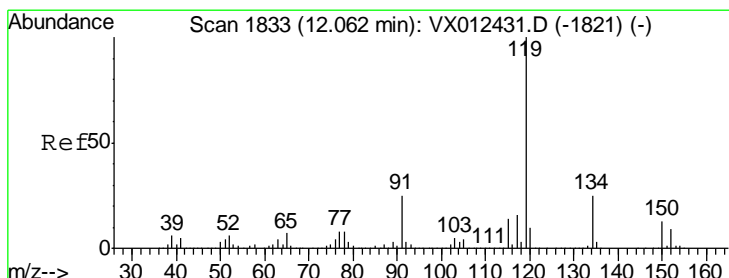
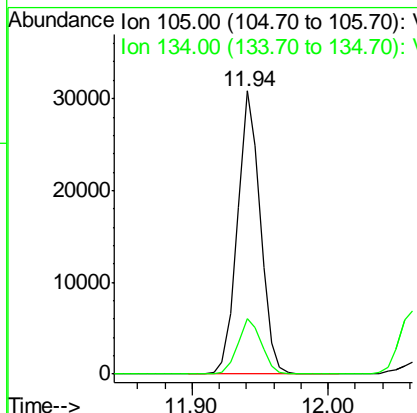
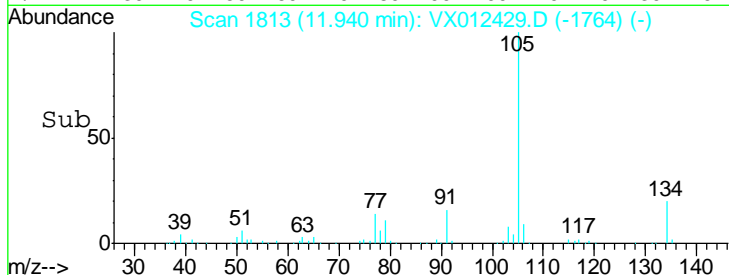
Instrument : MSVOA_X
 ClientSampled : VSTDIC005



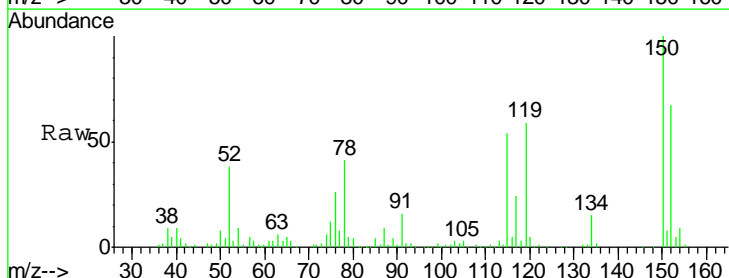
Tgt Ion	Resp	Lower	Upper
105	35971	100	
134	20.1	9.8	29.4

Manual Integrations
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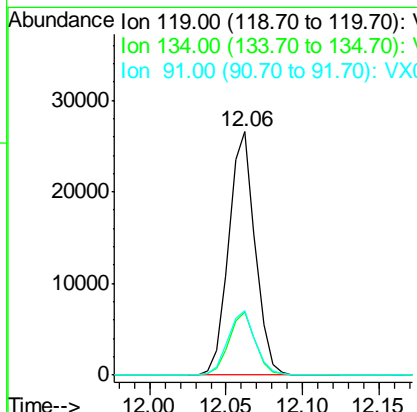
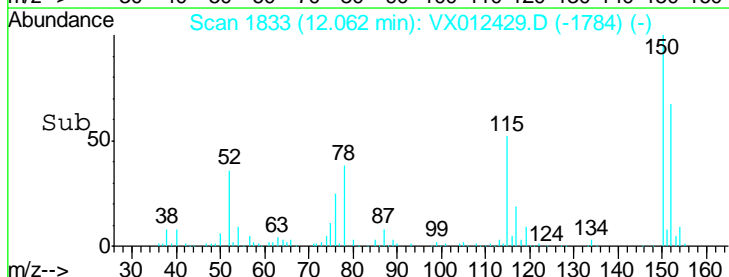
MMDadoda
 9/18/2019 11:22:05 AM

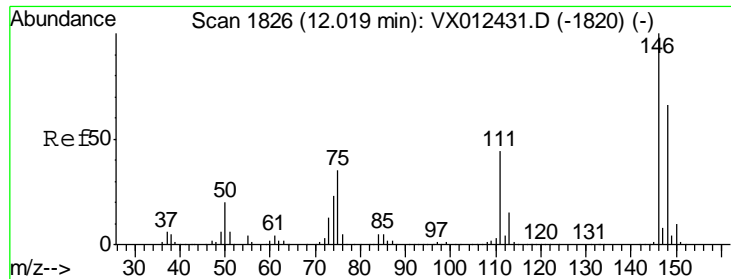


#86
 p-Isopropyltoluene
 Concen: 4.296 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23



Tgt Ion	Resp	Lower	Upper
119	31690	100	
134	26.0	12.7	38.1
91	27.5	12.8	38.4





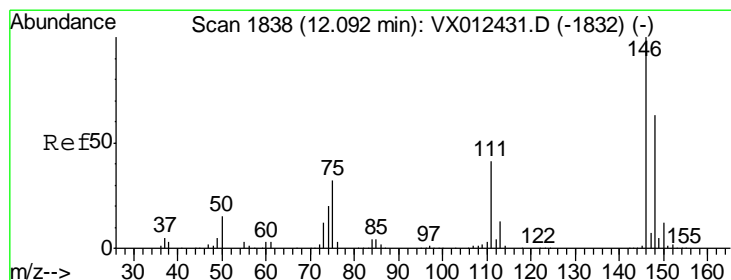
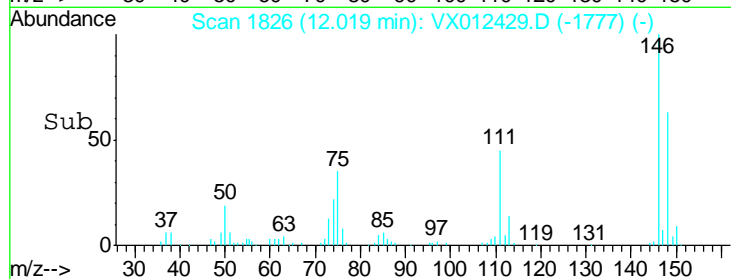
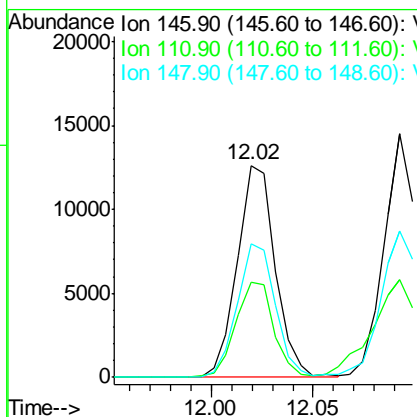
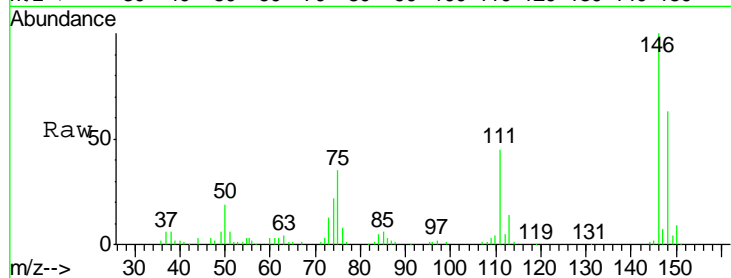
#87
 1,3-Dichlorobenzene
 Concen: 4.313 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	16378		
111	44.9	21.3	64.0
148	63.3	32.4	97.2

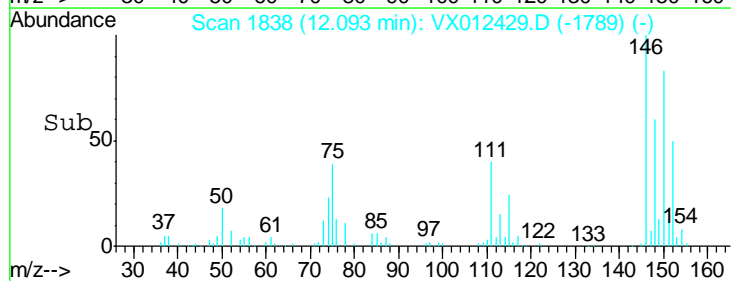
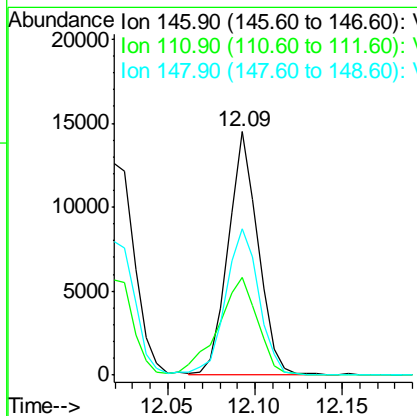
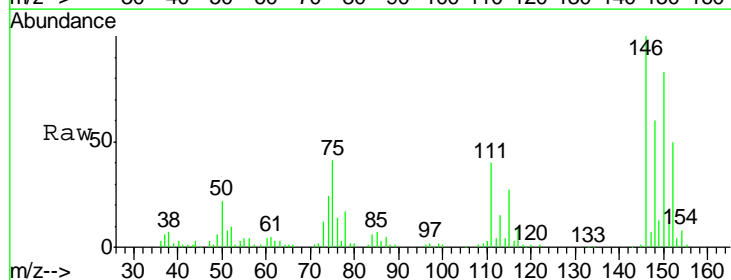
Manual Integrations
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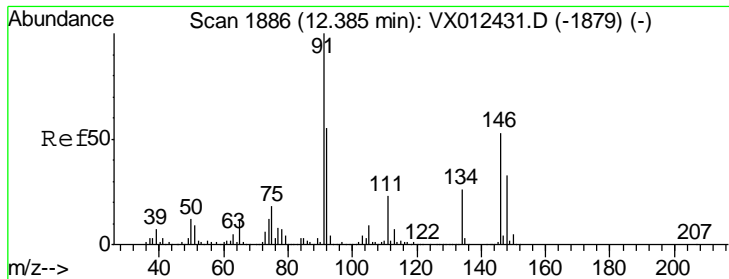
MMDadoda
 9/18/2019 11:22:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.497 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
146	17243		
111	53.0	21.1	63.3
148	67.0	32.1	96.5





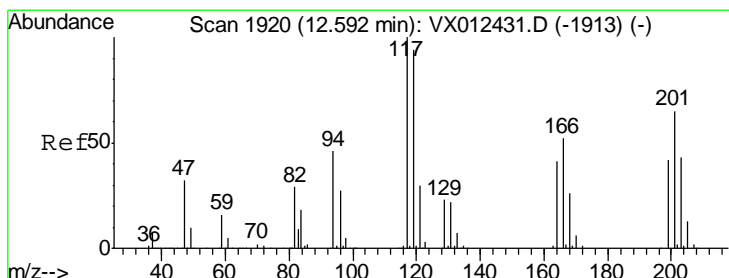
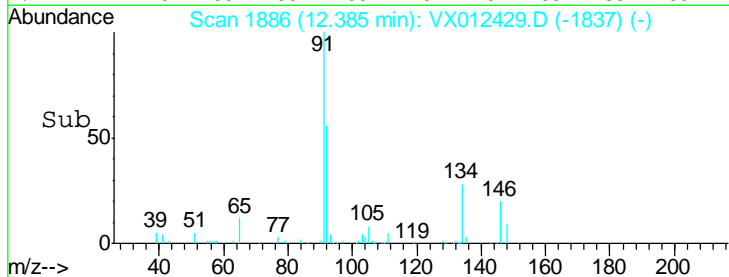
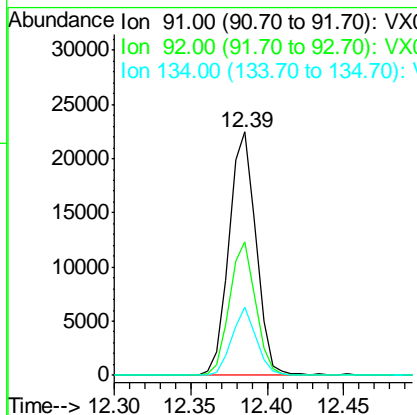
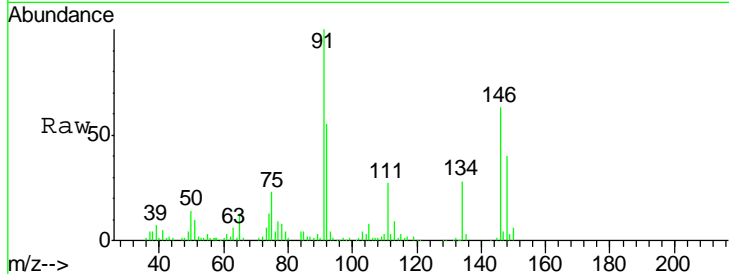
#89
 n-Butylbenzene
 Concen: 4.243 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.9	27.7	83.0
134	25.2	12.9	38.6

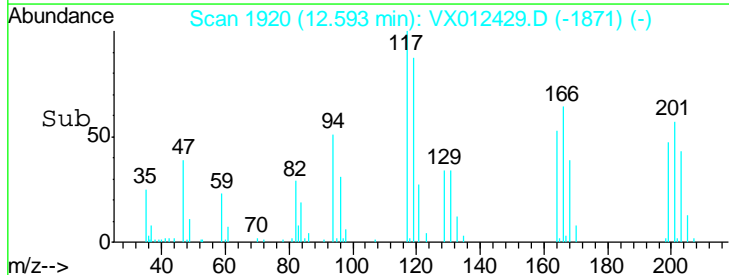
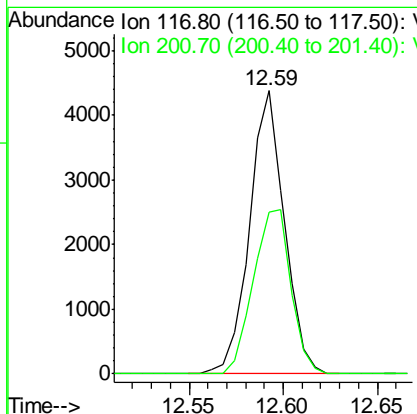
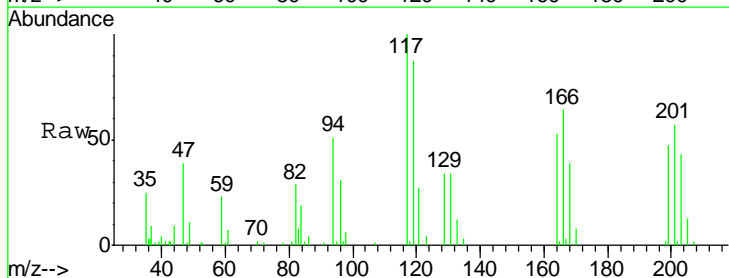
Manual Integrations
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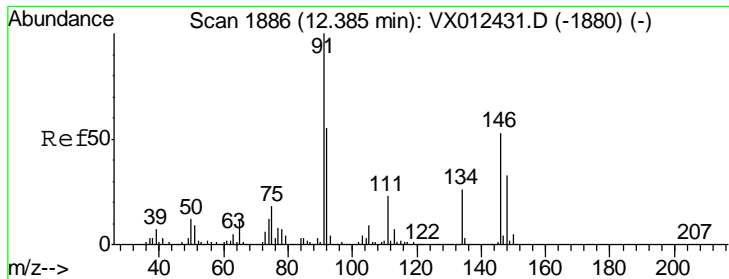
MMDadoda
 9/18/2019 11:22:05 AM



#90
 Hexachloroethane
 Concen: 3.922 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

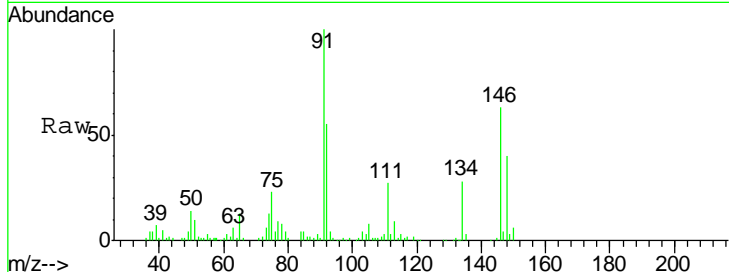
Tgt Ion	Resp	Lower	Upper
117	100		
201	63.2	33.3	99.8





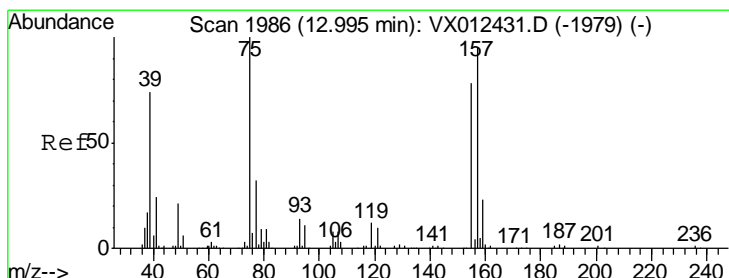
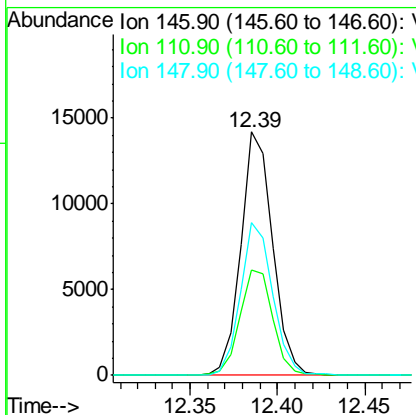
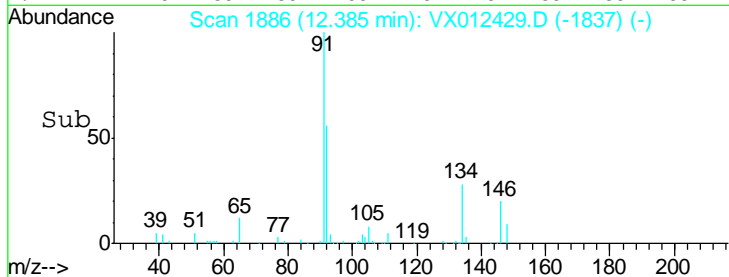
#91
 1,2-Dichlorobenzene
 Concen: 4.594 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

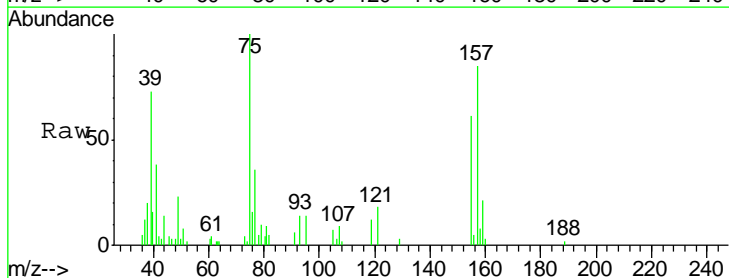


Tgt Ion	Resp	Lower	Upper
146	17881		
146	100		
111	44.9	22.1	66.1
148	63.5	31.3	93.9

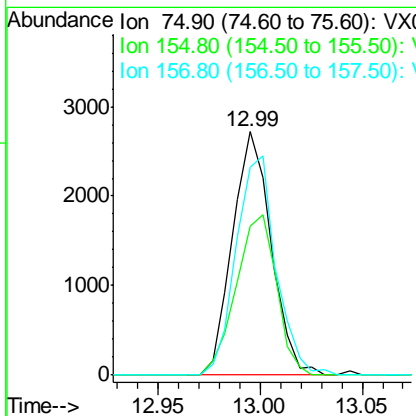
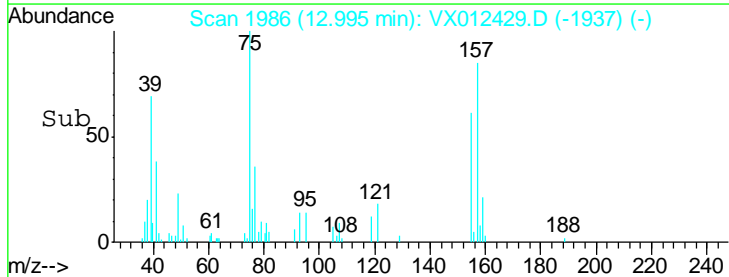
Manual Integrations
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 MMDadoda
 9/18/2019 11:22:05 AM

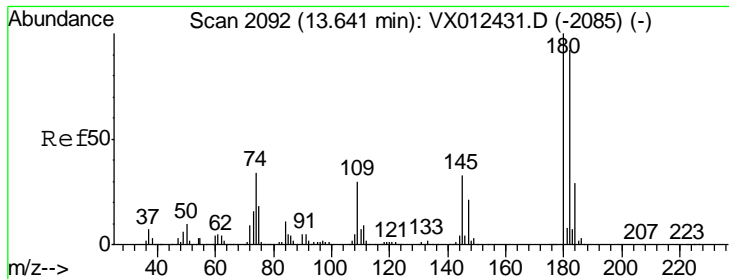


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.260 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23



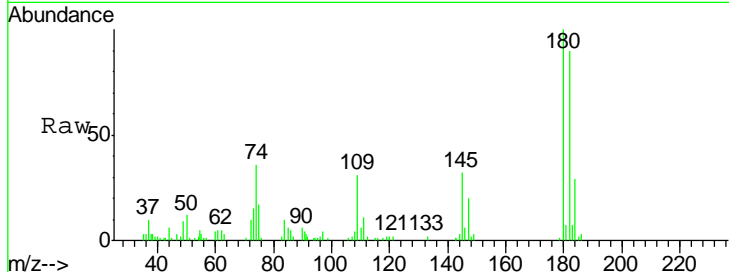
Tgt Ion	Resp	Lower	Upper
75	3572		
75	100		
155	68.8	38.6	115.8
157	92.8	50.6	151.9





#93
 1,2,4-Trichlorobenzene
 Concen: 4.069 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

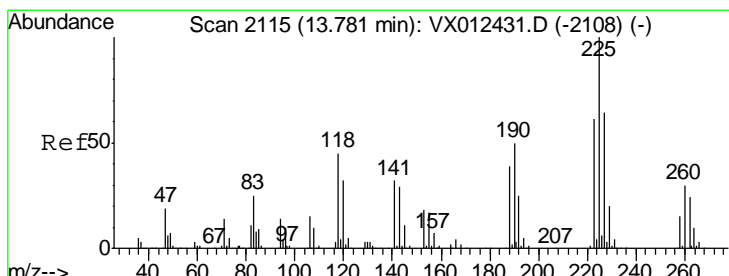
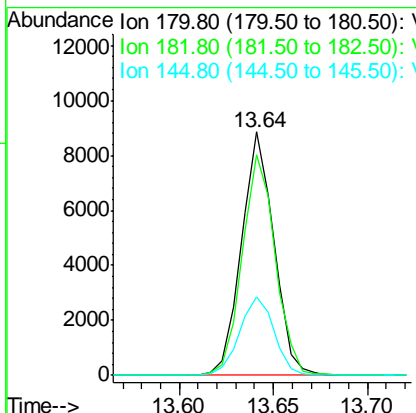
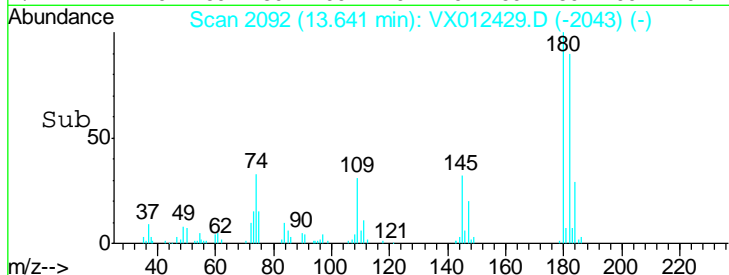


Tgt Ion: 180 Resp: 10566

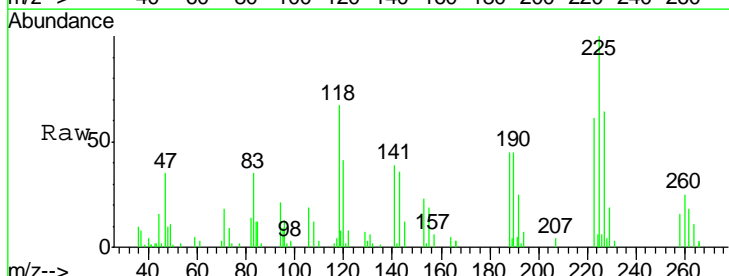
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.0	141.0
145	34.2	16.8	50.4

Manual Integrations APPROVED

MMDadoda
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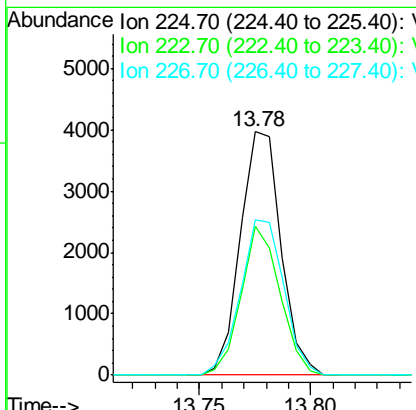
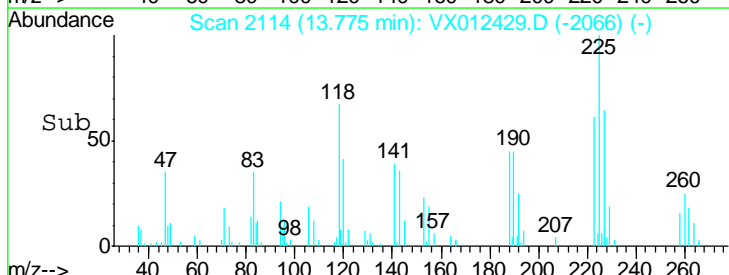


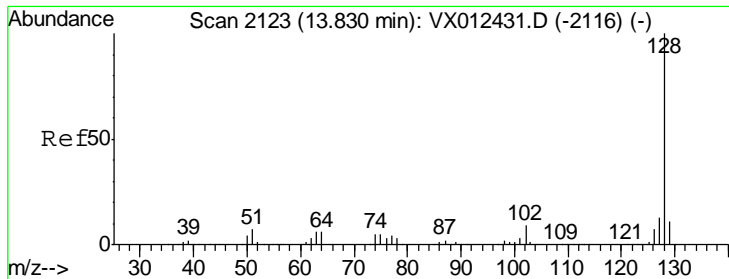
#94
 Hexachlorobutadiene
 Concen: 4.088 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23



Tgt Ion: 225 Resp: 5075

Ion	Ratio	Lower	Upper
225	100		
223	58.1	32.0	96.2
227	67.7	31.9	95.5





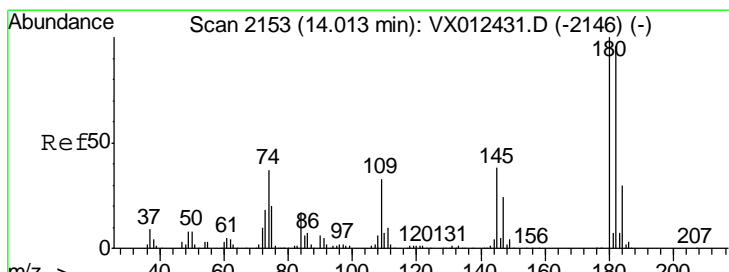
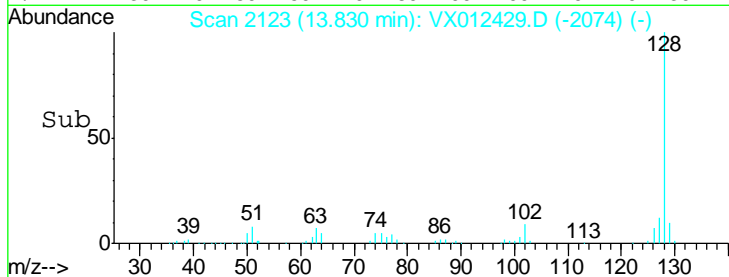
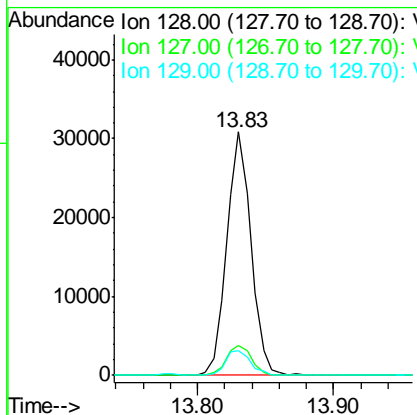
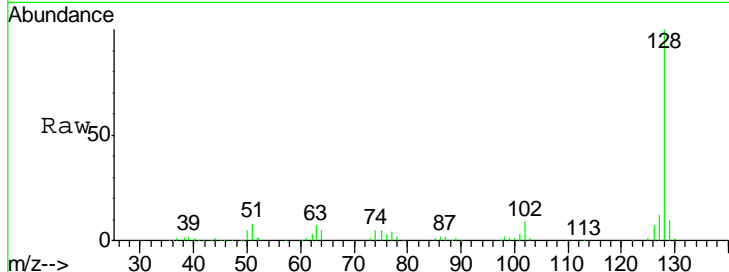
#95
 Naphthalene
 Concen: 4.297 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
128	38111		
127	12.6	10.2	15.4
129	10.5	8.8	13.2

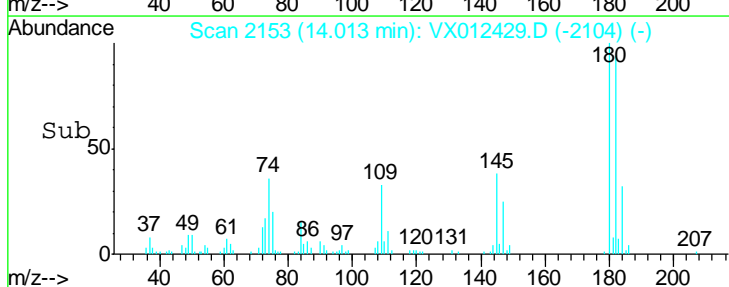
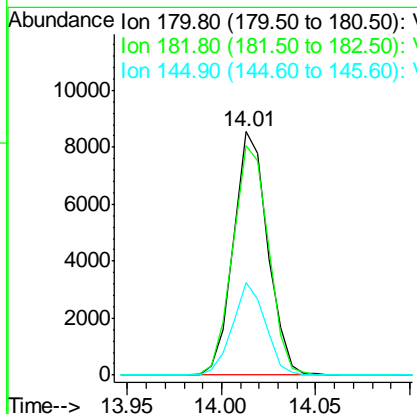
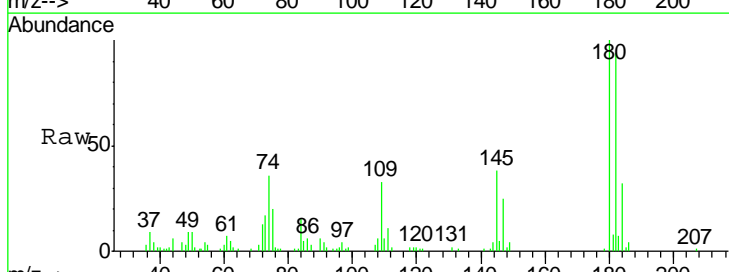
Manual Integrations
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 9/18/2019 11:22:05 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 4.175 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012429.D
 Acq: 17 Sep 2019 12:23

Tgt Ion	Resp	Lower	Upper
180	10789		
182	98.0	47.1	141.3
145	36.3	18.0	54.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012430.D
 Acq On : 17 Sep 2019 12:46
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:09 AM

Quant Time: Sep 17 13:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	48241	15.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.30%	
35) Dibromofluoromethane	5.48	113	34070	13.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.64%	
50) Toluene-d8	8.71	98	125662	14.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.76%	
62) 4-Bromofluorobenzene	11.14	95	51146	13.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	20769	15.357	ug/l	98
3) Chloromethane	1.32	50	16858	14.379	ug/l	99
4) Vinyl Chloride	1.40	62	18689	14.458	ug/l	96
5) Bromomethane	1.63	94	8716	16.128	ug/l	93
6) Chloroethane	1.72	64	13796	16.060	ug/l	92
7) Trichlorofluoromethane	1.92	101	35872	15.190	ug/l	99
8) Diethyl Ether	2.18	74	15019	14.407	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24456	14.368	ug/l	99
10) Methyl Iodide	2.50	142	16756	10.715	ug/l	99
11) Tert butyl alcohol	3.03	59	56444	71.265	ug/l	99
12) 1,1-Dichloroethene	2.36	96	19822	14.817	ug/l	94
13) Acrolein	2.28	56	21373	64.862	ug/l	98
14) Allyl chloride	2.72	41	45620	14.681	ug/l	98
15) Acrylonitrile	3.13	53	94045	71.119	ug/l	99
16) Acetone	2.43	43	106129	73.583	ug/l	97
17) Carbon Disulfide	2.56	76	25333	14.338	ug/l	# 94
18) Methyl Acetate	2.76	43	45573	14.374	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	104633	14.401	ug/l	98
20) Methylene Chloride	2.84	84	26516	13.684	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	20373	14.164	ug/l	96
22) Diisopropyl ether	3.84	45	104328	14.630	ug/l	96
23) Vinyl Acetate	3.80	43	442184	75.167	ug/l	98
24) 1,1-Dichloroethane	3.69	63	51334	14.369	ug/l	99
25) 2-Butanone	4.66	43	148659	73.019	ug/l	96
26) 2,2-Dichloropropane	4.57	77	49144	14.416	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	29823	14.105	ug/l	99
28) Bromochloromethane	5.01	49	27405	15.032	ug/l	99
29) Tetrahydrofuran	5.12	42	86117	73.134	ug/l	99
30) Chloroform	5.20	83	57059	13.859	ug/l	93
31) Cyclohexane	5.57	56	31769	14.831	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	49330	14.466	ug/l	99
36) 1,1-Dichloropropene	5.79	75	31717	13.075	ug/l	97
37) Ethyl Acetate	4.83	43	52063	13.943	ug/l	99
38) Carbon Tetrachloride	5.77	117	38554	13.127	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012430.D
 Acq On : 17 Sep 2019 12:46
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC020

Manual Integrations
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 9/18/2019 11:22:09 AM

Quant Time: Sep 17 13:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	31860	13.739	ug/l	95
40) Benzene	6.13	78	102025	13.733	ug/l	99
41) Methacrylonitrile	5.03	41	30872	14.512	ug/l	97
42) 1,2-Dichloroethane	6.18	62	46165	13.606	ug/l	99
43) Isopropyl Acetate	6.43	43	86516	13.470	ug/l	99
44) Trichloroethene	7.21	130	26520	13.296	ug/l	93
45) 1,2-Dichloropropane	7.51	63	30190	13.209	ug/l	98
46) Dibromomethane	7.65	93	20029	13.197	ug/l	95
47) Bromodichloromethane	7.89	83	43225	12.790	ug/l	99
48) Methyl methacrylate	7.76	41	41223	14.456	ug/l	99
49) 1,4-Dioxane	7.73	88	19235	264.380	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	289211	69.606	ug/l	99
52) Toluene	8.78	92	66449	13.760	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	45672	13.024	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	48294	13.305	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	32790	12.830	ug/l	97
56) Ethyl methacrylate	9.17	69	51249	13.344	ug/l	98
57) 1,3-Dichloropropane	9.37	76	52762	13.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	140835	68.795	ug/l	100
59) 2-Hexanone	9.49	43	220720	68.717	ug/l	99
60) Dibromochloromethane	9.58	129	33912	12.994	ug/l	99
61) 1,2-Dibromoethane	9.67	107	31581	13.477	ug/l	97
64) Tetrachloroethene	9.33	164	23018	14.786	ug/l	92
65) Chlorobenzene	10.14	112	76591	13.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	31864	13.726	ug/l	100
67) Ethyl Benzene	10.25	91	133296	14.221	ug/l	99
68) m/p-Xylenes	10.35	106	97908	28.352	ug/l	99
69) o-Xylene	10.70	106	49658	13.859	ug/l	100
70) Styrene	10.71	104	87067	14.021	ug/l	100
71) Bromoform	10.85	173	22356	12.553	ug/l	98
73) Isopropylbenzene	11.01	105	142719	17.644	ug/l	100
74) N-amyl acetate	10.89	43	74805	17.359	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	54165	16.714	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	51877m	17.240	ug/l	
77) Bromobenzene	11.25	156	33868	16.376	ug/l	97
78) n-propylbenzene	11.35	91	159768	17.491	ug/l	100
79) 2-Chlorotoluene	11.42	91	101229	17.293	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	121812	17.344	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	15641	14.684	ug/l	93
82) 4-Chlorotoluene	11.51	91	116991	17.164	ug/l	98
83) tert-Butylbenzene	11.76	119	127475	17.111	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	124421	17.462	ug/l	100
85) sec-Butylbenzene	11.94	105	143544	17.402	ug/l	99
86) p-Isopropyltoluene	12.06	119	131233	17.393	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	62726	16.148	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	63811	16.270	ug/l	98
89) n-Butylbenzene	12.38	91	115022	17.261	ug/l	99
90) Hexachloroethane	12.59	117	22938	15.753	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	66317	16.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13872	16.174	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012430.D
 Acq On : 17 Sep 2019 12:46
 Operator : JC/SP
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
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MMDadoda
 9/18/2019 11:22:09 AM

Quant Time: Sep 17 13:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	41886	15.770	ug/l	98
94) Hexachlorobutadiene	13.77	225	20006	15.755	ug/l	98
95) Naphthalene	13.83	128	155248	17.114	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44670	16.898	ug/l	99

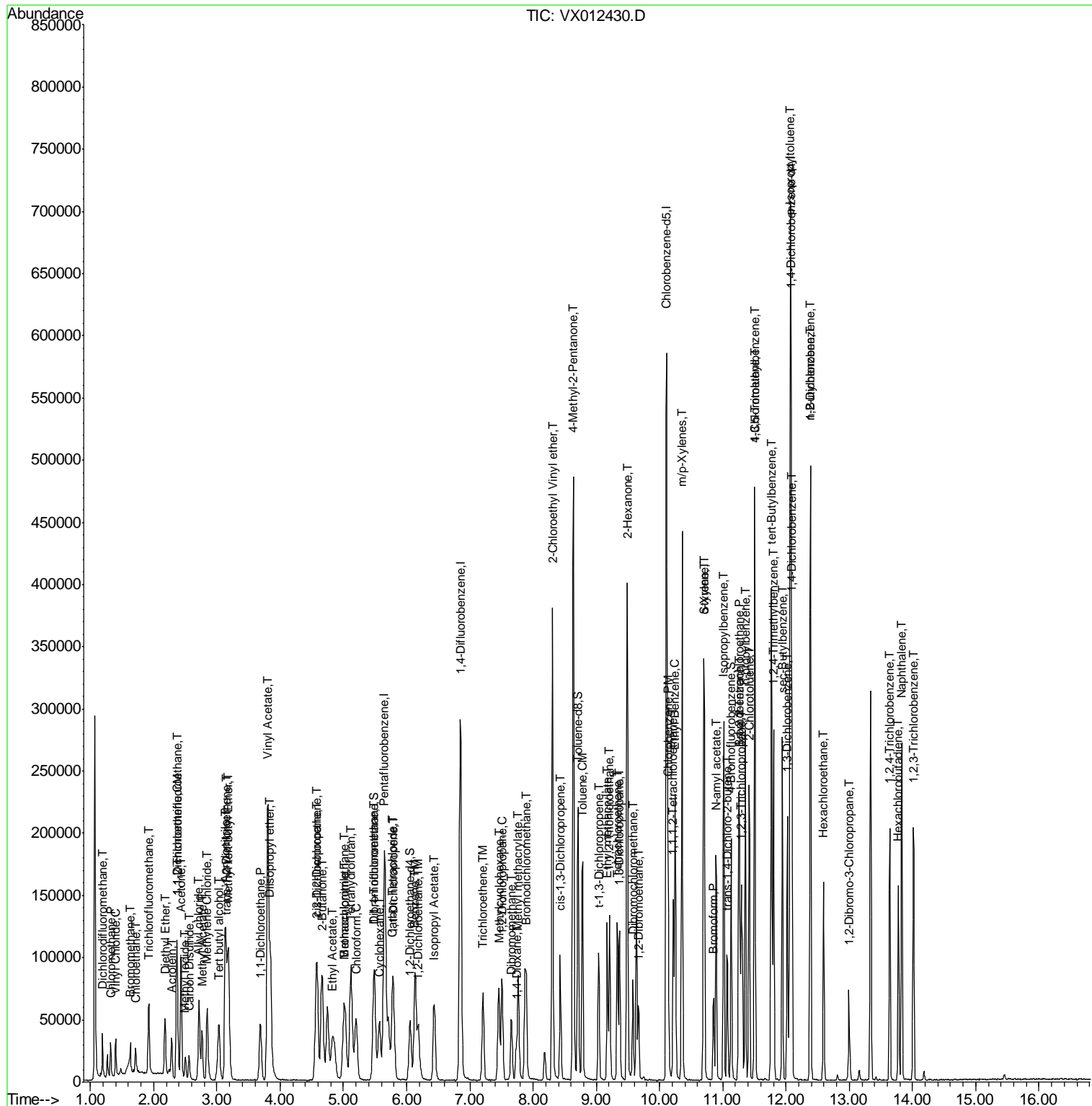
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012430.D
 Acq On : 17 Sep 2019 12:46
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

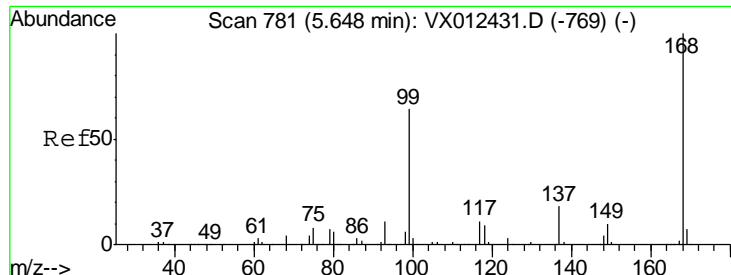
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC020

Manual Integrations
 APPROVED
 MMDadoda
 9/18/2019 11:22:09 AM

Quant Time: Sep 17 13:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration



- 1
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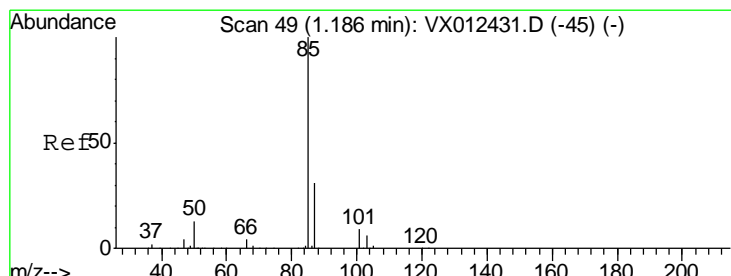
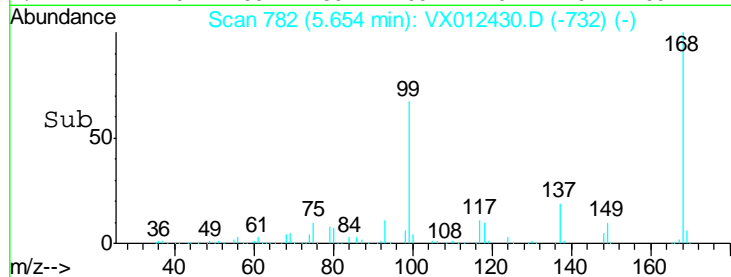
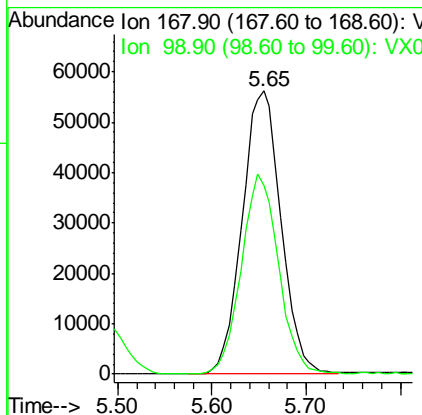
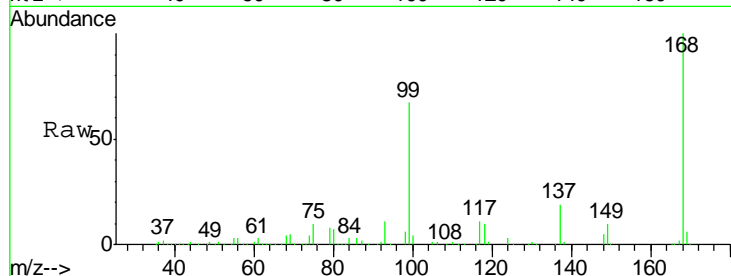
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	100		
99	66.4	51.4	77.2

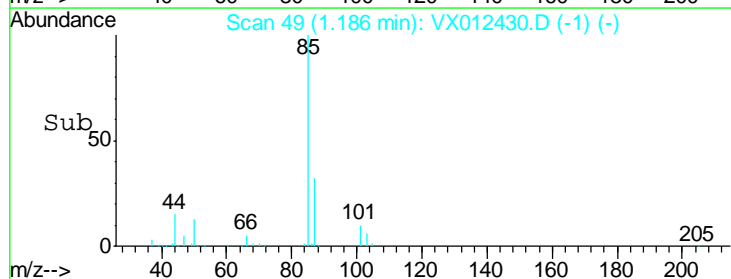
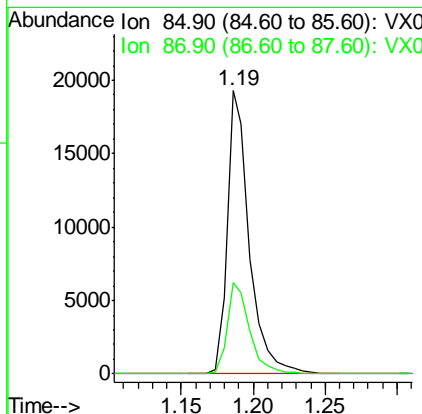
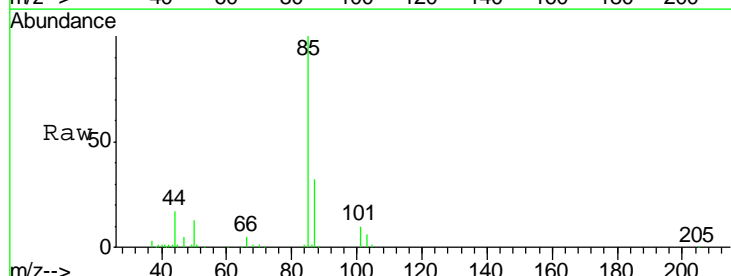
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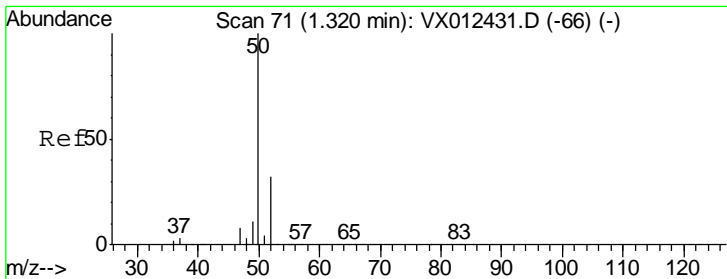
MMDadoda
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#2
 Dichlorodifluoromethane
 Concen: 15.357 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.2	15.6	46.8



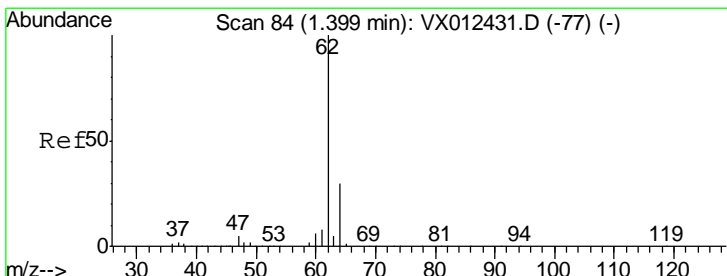
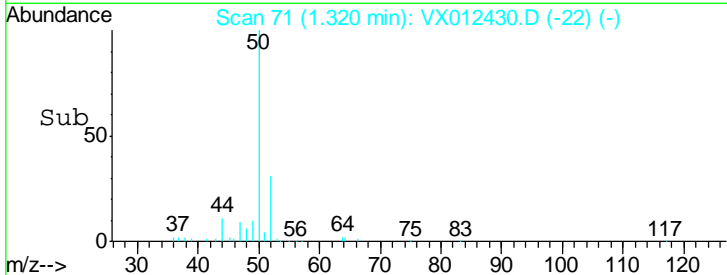
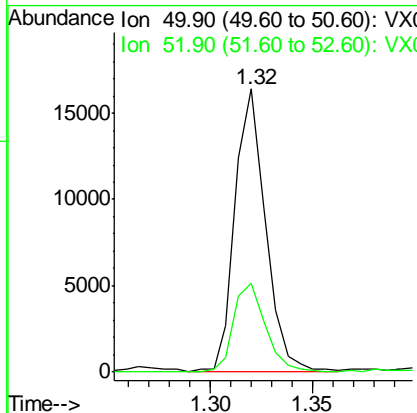
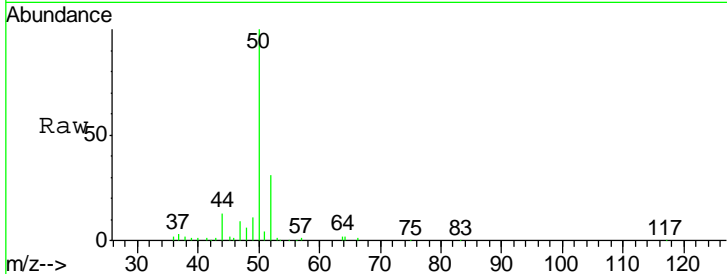


#3
 Chloromethane
 Concen: 14.379 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
50	16858		
52	31.4	25.7	38.5

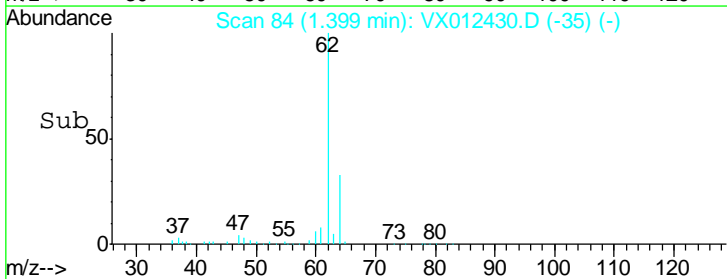
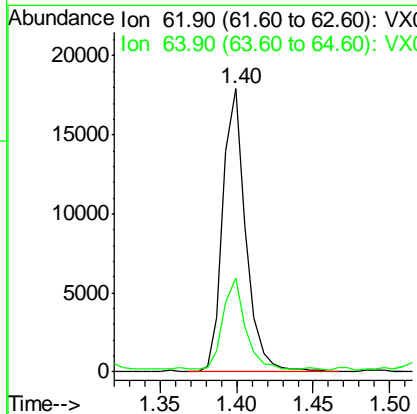
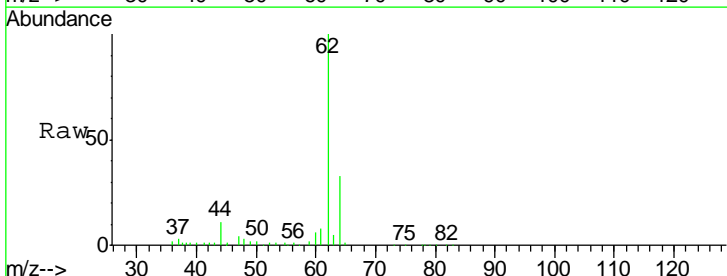
Instrument : MSVOA_X
 Client Sampled : VSTDIC020

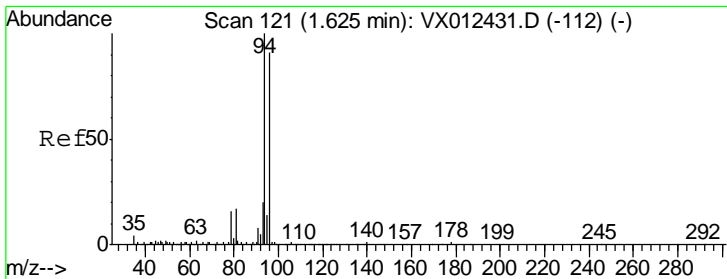
Manual Integrations APPROVED
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#4
 Vinyl Chloride
 Concen: 14.458 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

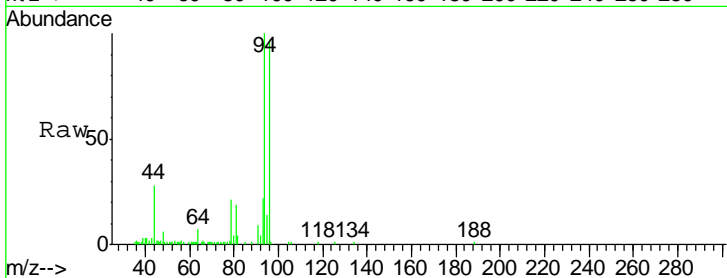
Tgt Ion	Resp	Lower	Upper
62	18689		
64	32.4	24.2	36.2





#5
 Bromomethane
 Concen: 16.128 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

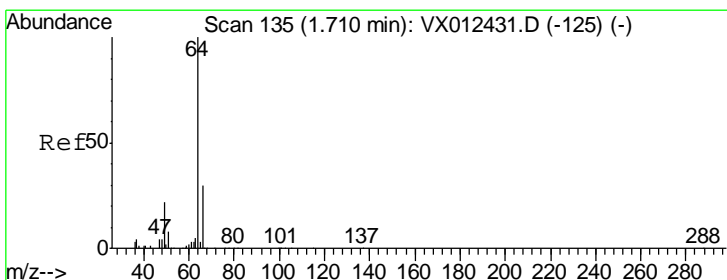
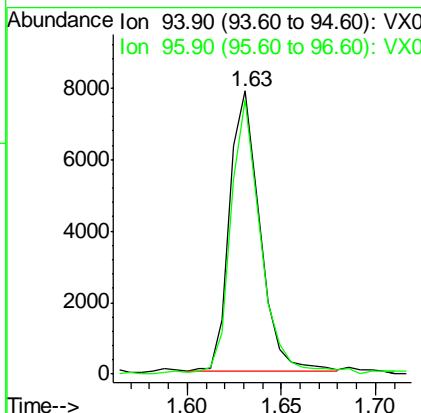
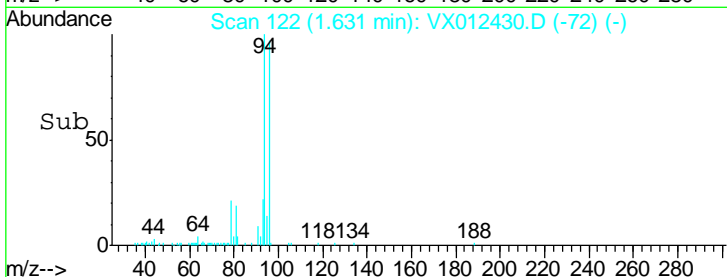
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020



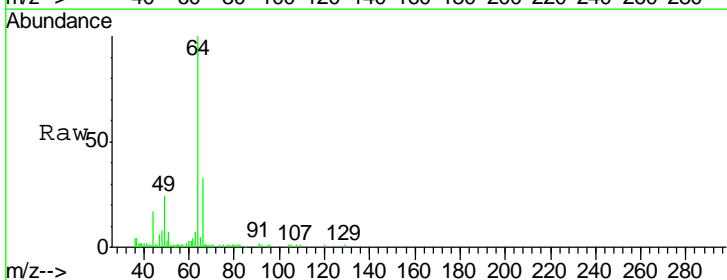
Tgt Ion: 94 Resp: 8716
 Ion Ratio Lower Upper
 94 100
 96 97.6 72.8 109.2

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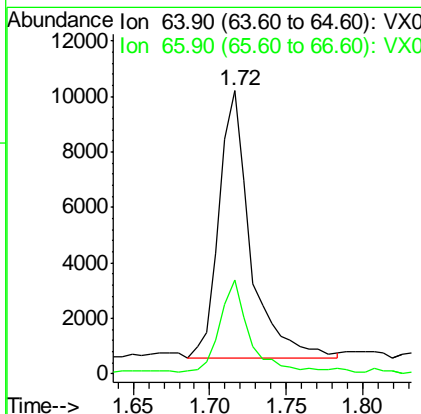
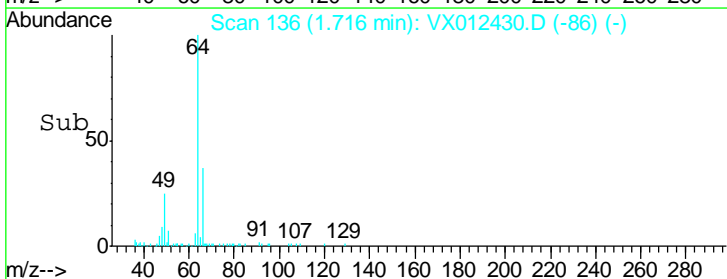
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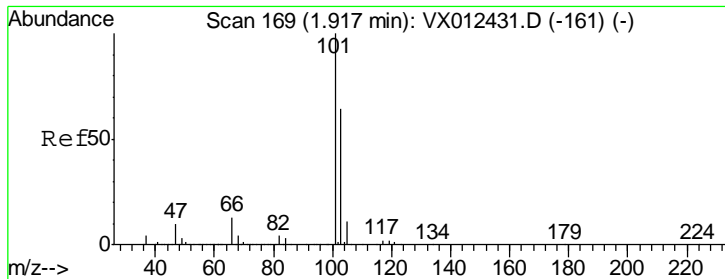


#6
 Chloroethane
 Concen: 16.060 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46



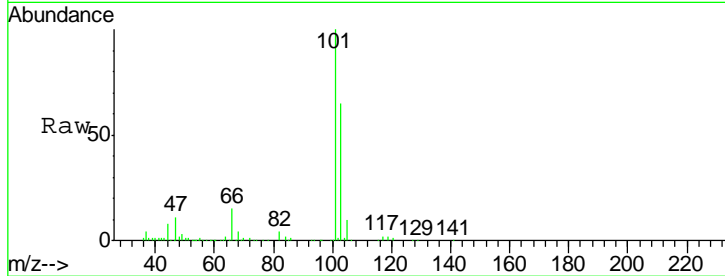
Tgt Ion: 64 Resp: 13796
 Ion Ratio Lower Upper
 64 100
 66 34.1 24.0 36.0





#7
 Trichlorofluoromethane
 Concen: 15.190 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

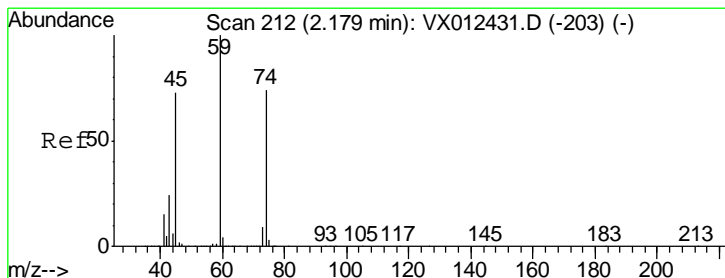
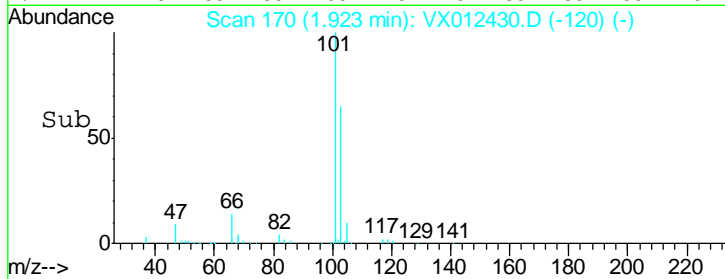
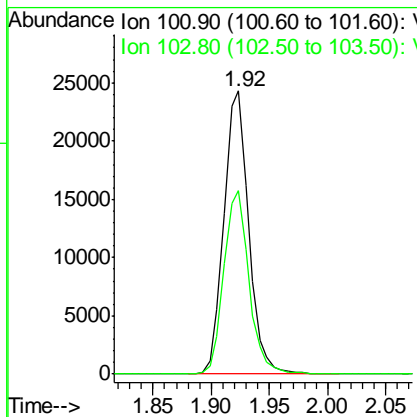
Instrument : MSVOA_X
 Client Sampled : VSTDIC020



Tgt Ion: 101 Resp: 35872

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.4

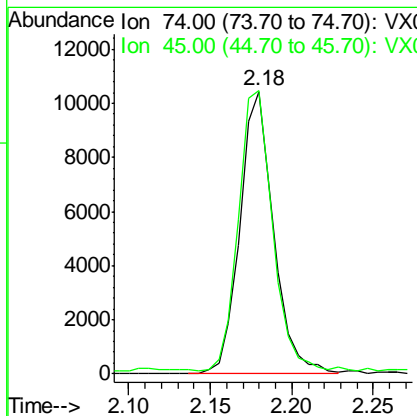
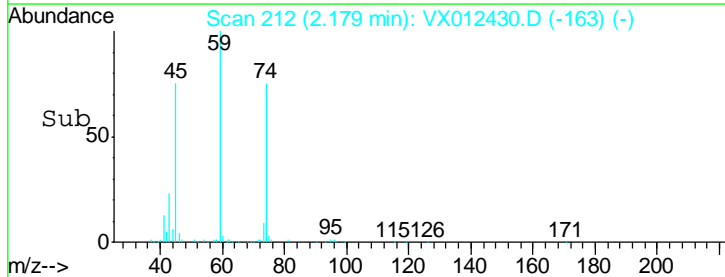
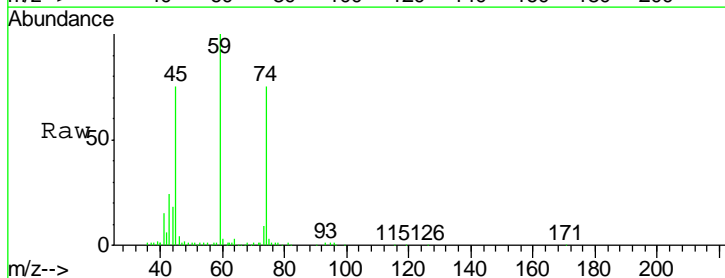
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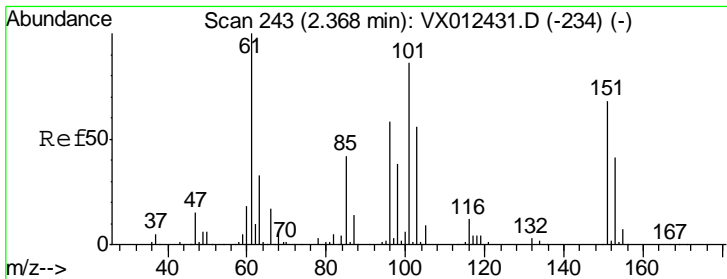


#8
 Diethyl Ether
 Concen: 14.407 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion: 74 Resp: 15019

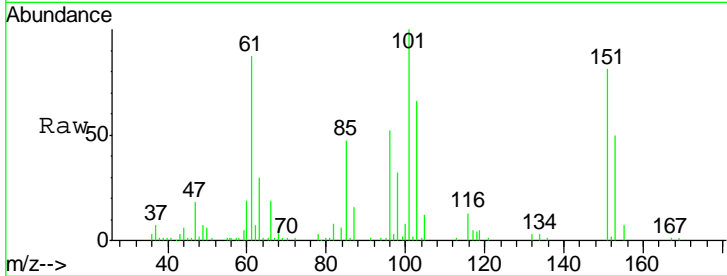
Ion	Ratio	Lower	Upper
74	100		
45	100.8	49.9	149.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.368 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

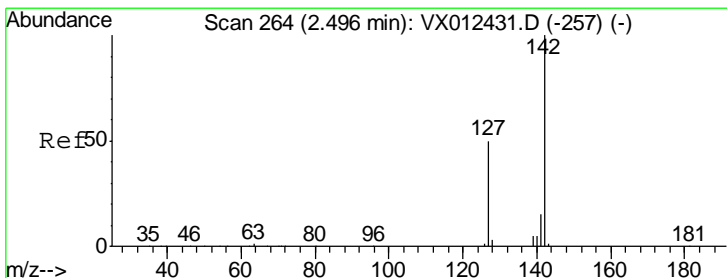
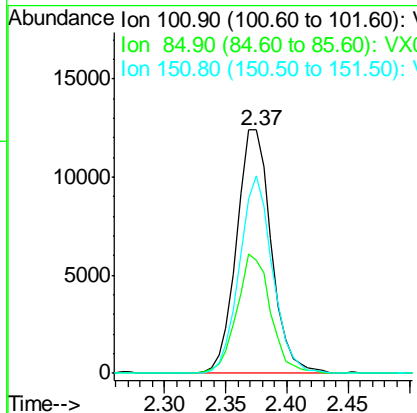
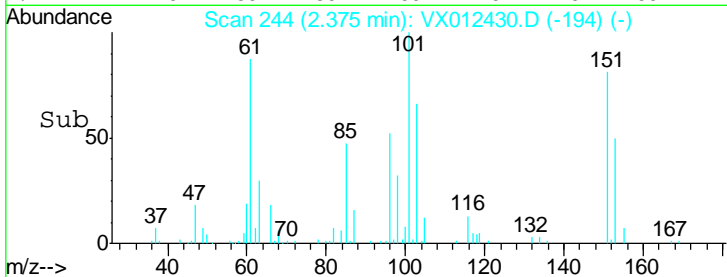


Tgt Ion: 101 Resp: 24456

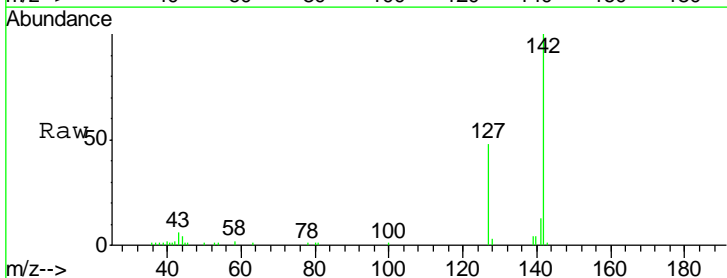
Ion	Ratio	Lower	Upper
101	100		
85	47.6	37.3	55.9
151	77.0	61.0	91.4

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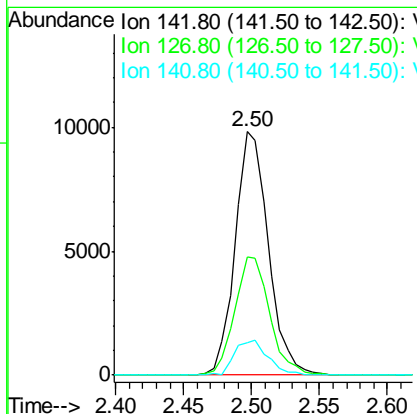
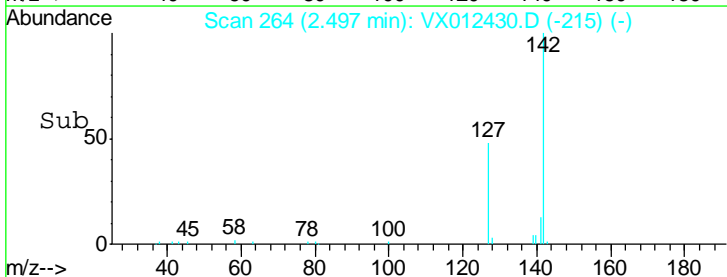


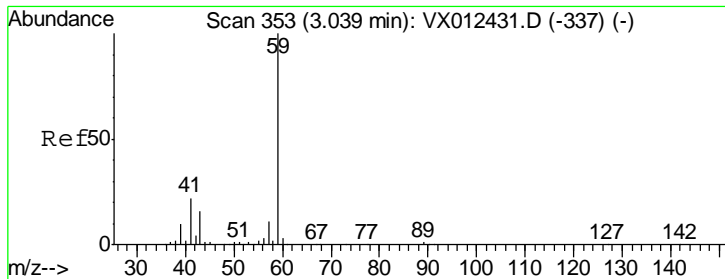
#10
 Methyl Iodide
 Concen: 10.715 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46



Tgt Ion: 142 Resp: 16756

Ion	Ratio	Lower	Upper
142	100		
127	51.1	40.8	61.2
141	14.2	12.1	18.1





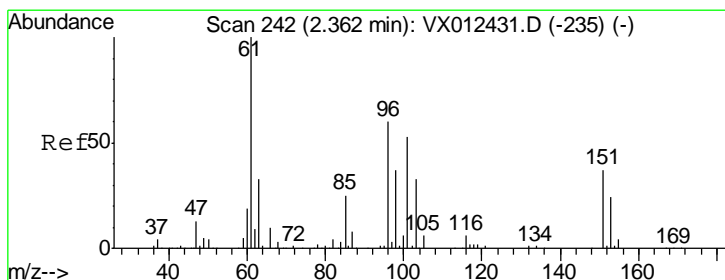
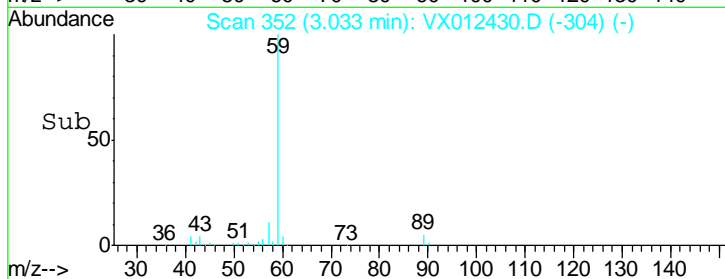
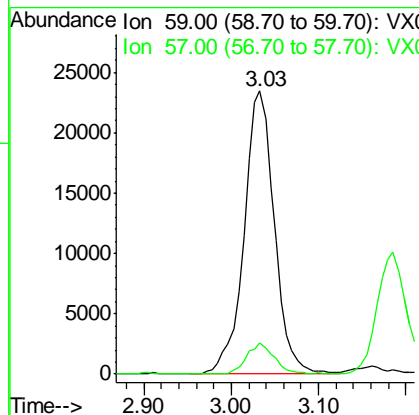
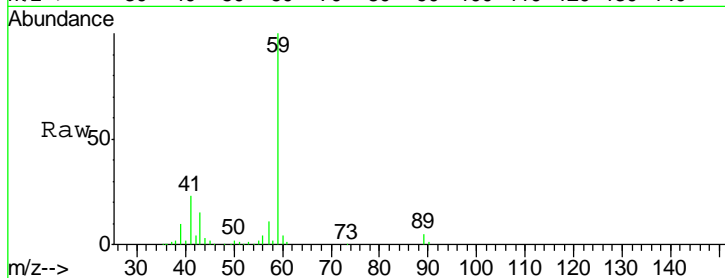
#11
 Tert butyl alcohol
 Concen: 71.265 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.2	8.3	12.5

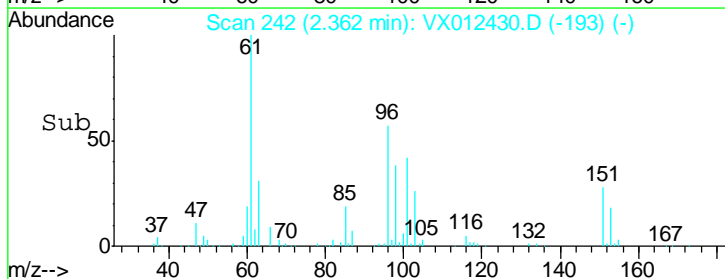
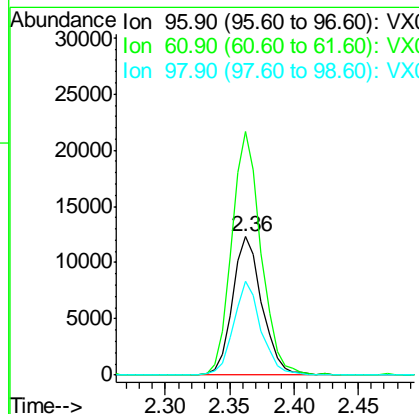
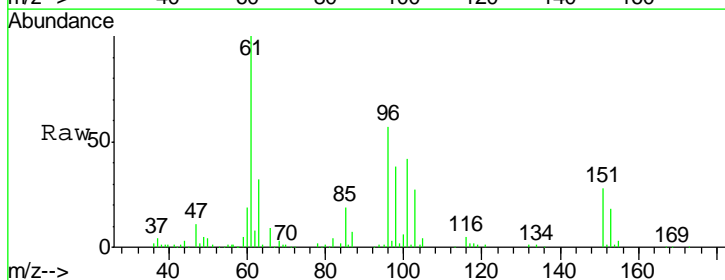
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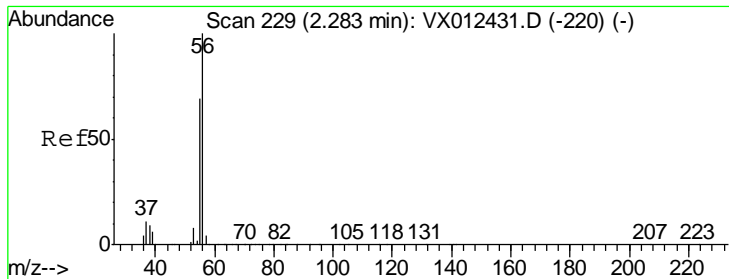
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#12
 1,1-Dichloroethene
 Concen: 14.817 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
96	100		
61	175.8	133.8	200.6
98	67.5	49.9	74.9



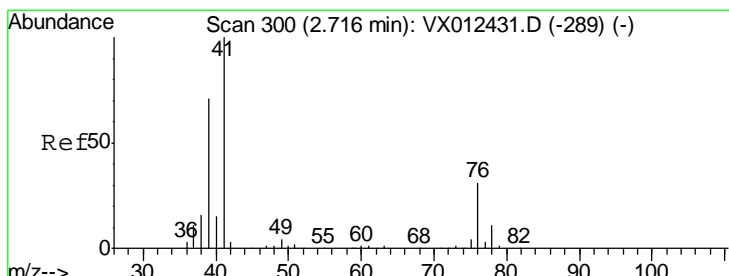
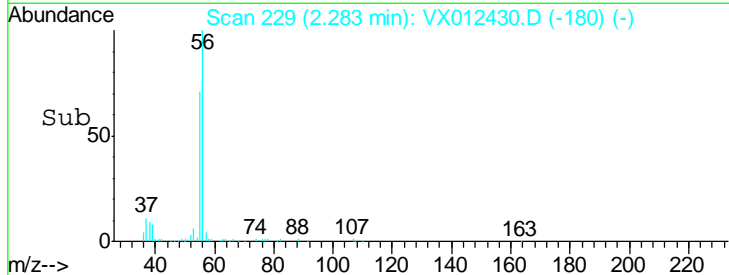
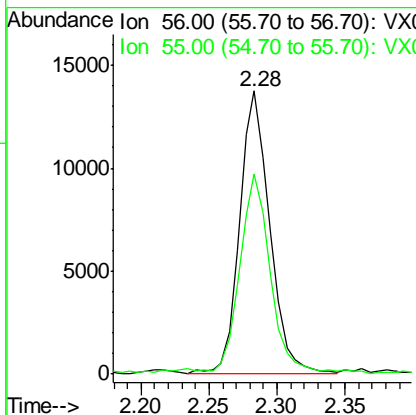
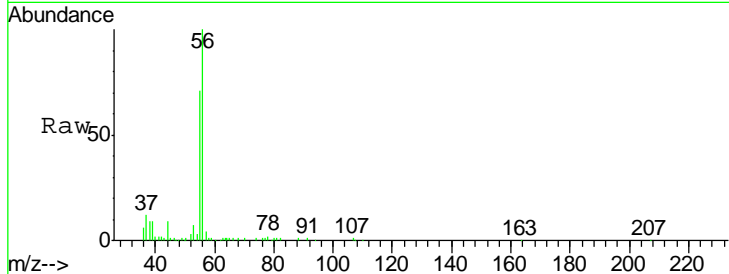


#13
 Acrolein
 Concen: 64.862 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
56	21373		
55	67.8	55.8	83.8

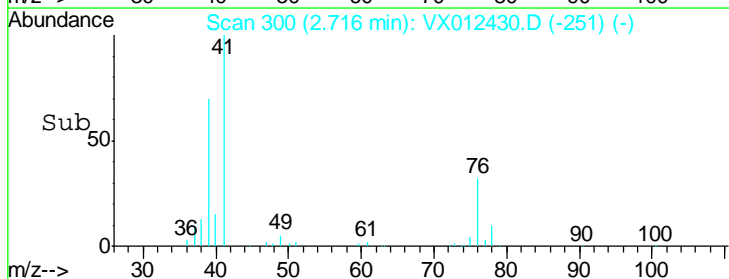
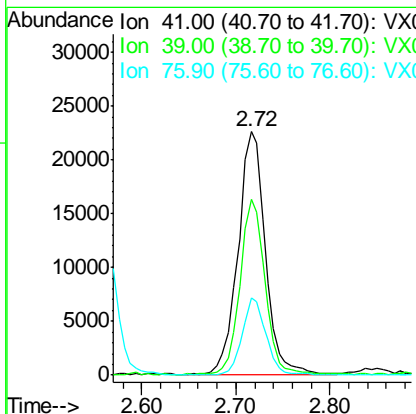
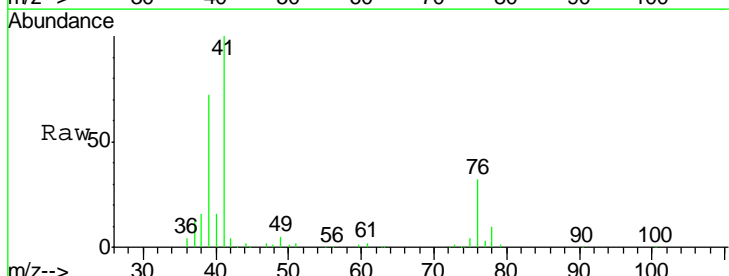
Instrument : MSVOA_X
 Client Sampled : VSTDIC020

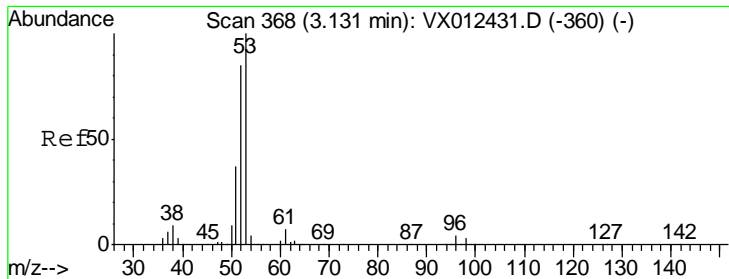
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#14
 Allyl chloride
 Concen: 14.681 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

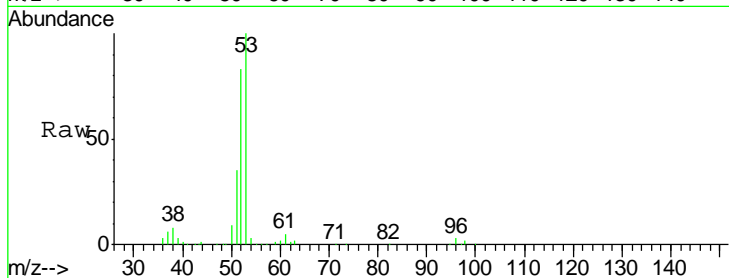
Tgt Ion	Resp	Lower	Upper
41	45620		
39	66.0	51.3	76.9
76	27.7	22.6	33.8





#15
 Acrylonitrile
 Concen: 71.119 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

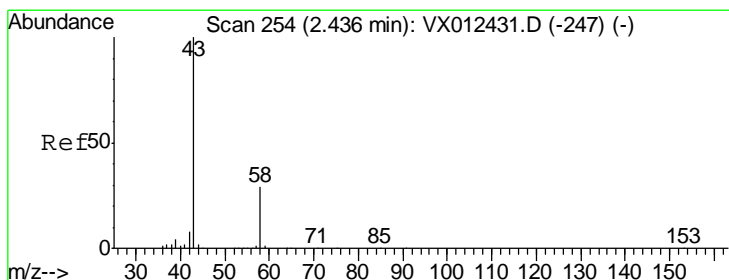
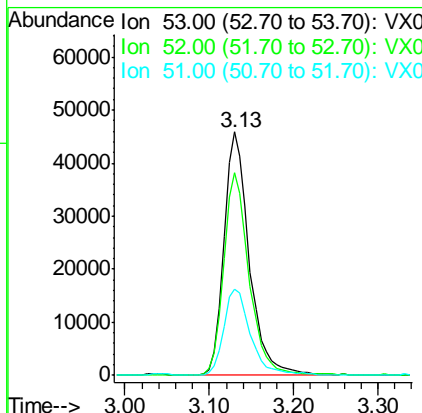
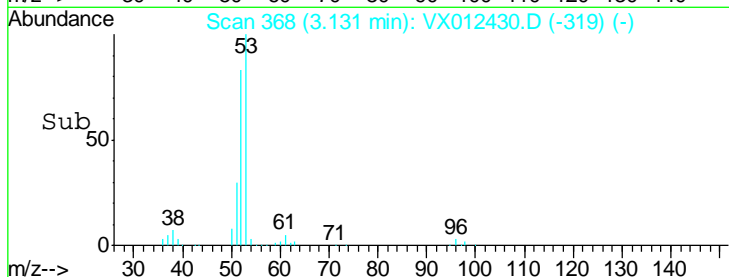


Tgt Ion: 53 Resp: 94045

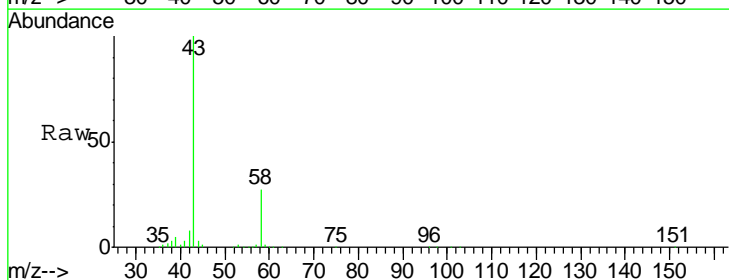
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.0	100.4
51	37.9	29.6	44.4

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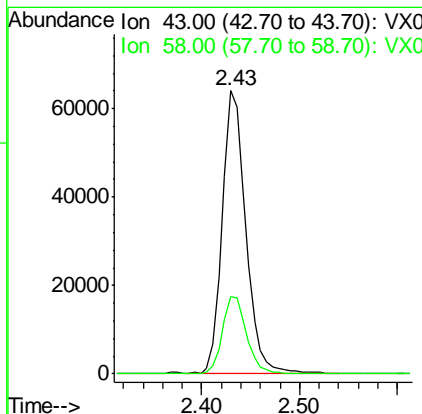
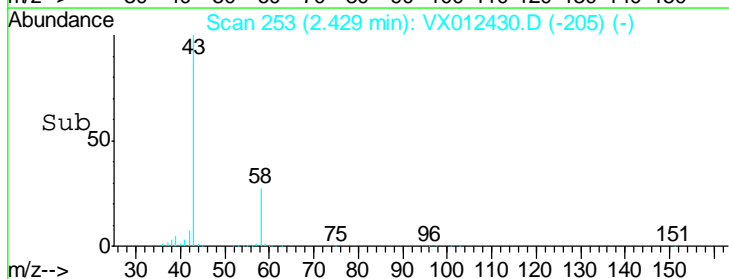


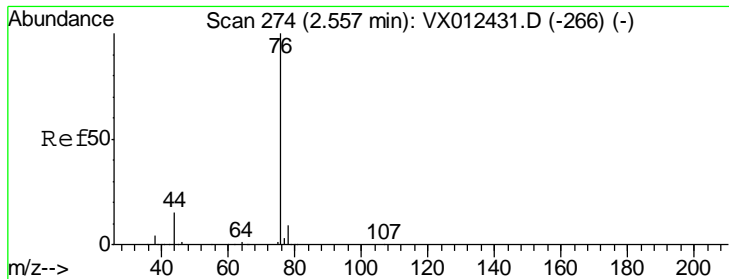
#16
 Acetone
 Concen: 73.583 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46



Tgt Ion: 43 Resp: 106129

Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.3	34.9





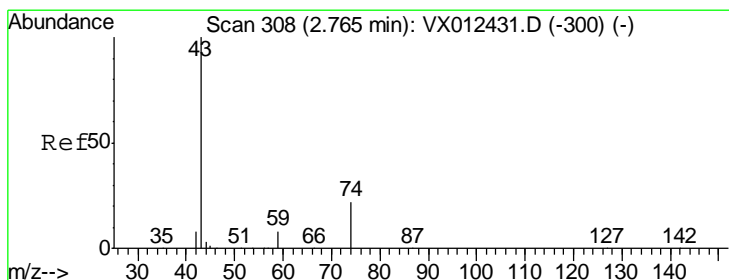
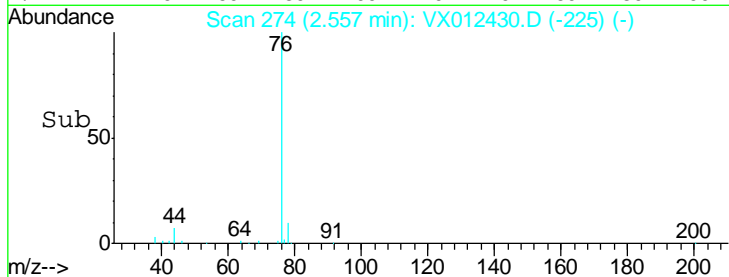
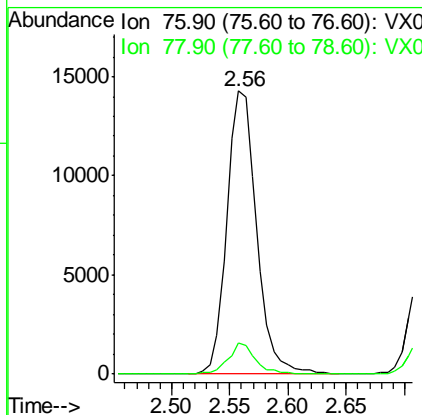
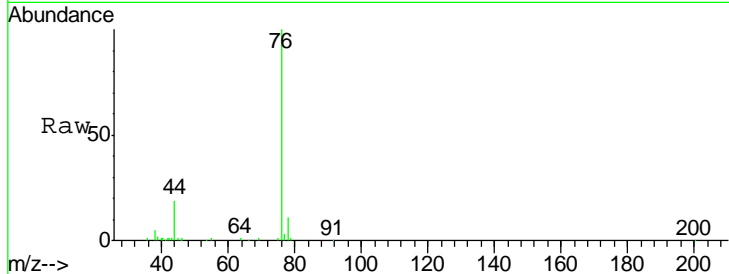
#17
 Carbon Disulfide
 Concen: 14.338 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	25333		
76	100		
78	11.1	7.3	10.9#

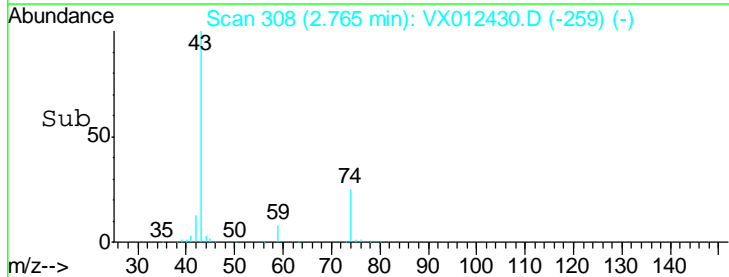
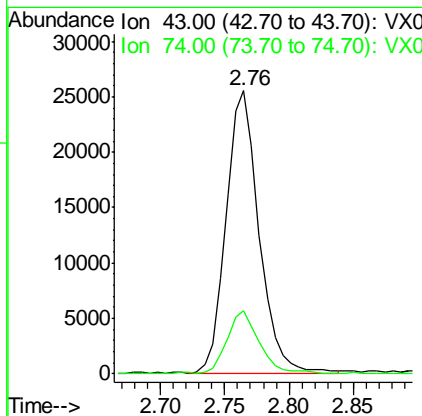
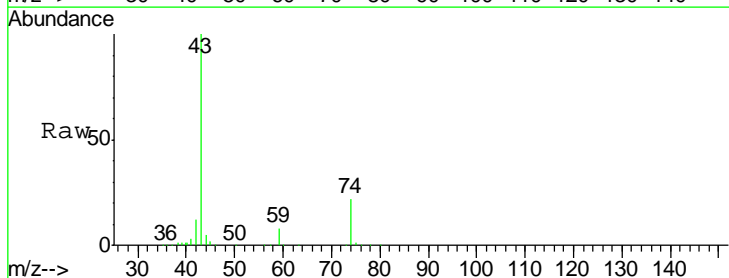
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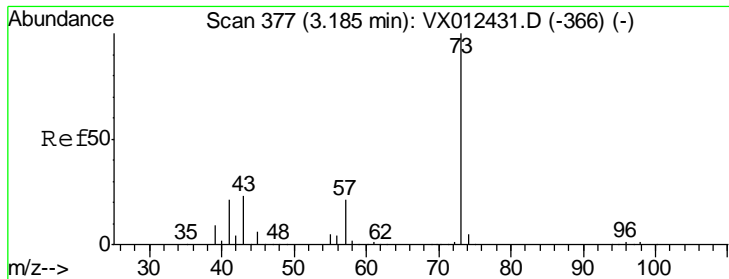
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#18
 Methyl Acetate
 Concen: 14.374 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
43	45573		
43	100		
74	22.3	17.7	26.5



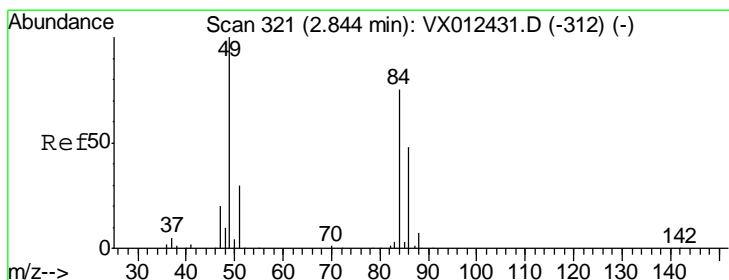
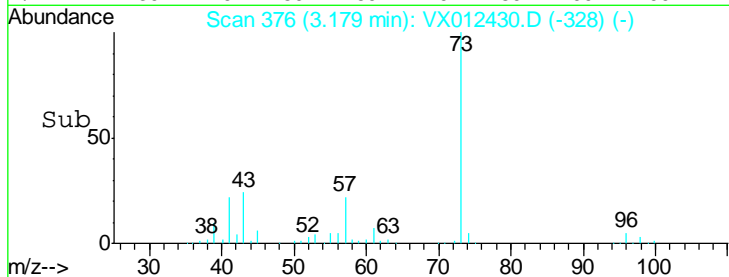
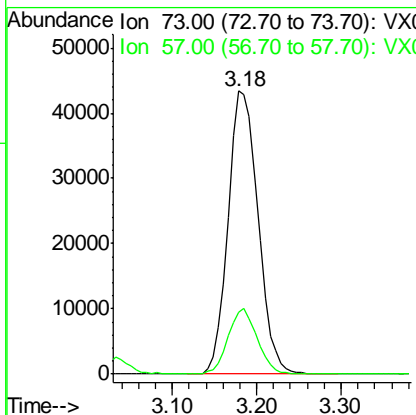
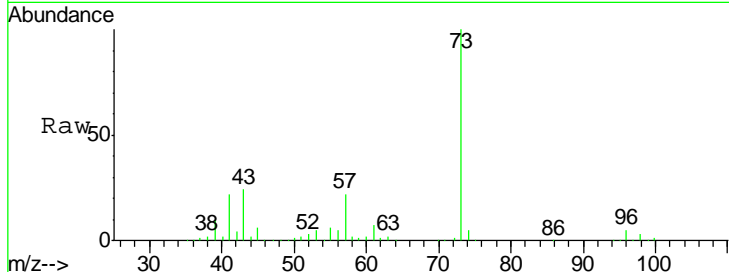


#19
Methyl tert-butyl Ether
Concen: 14.401 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
73	104633		
73	100		
57	21.8	16.8	25.2

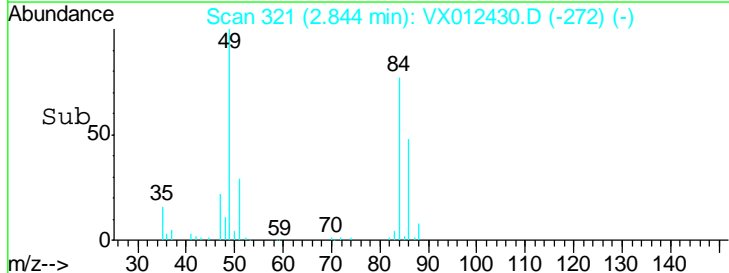
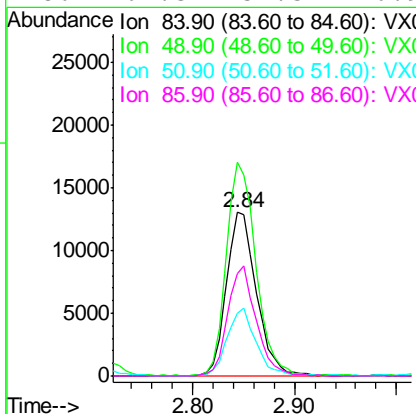
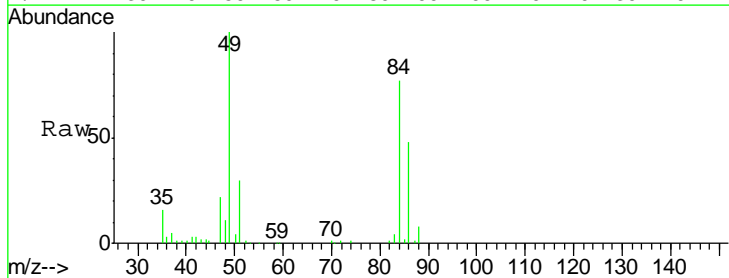
Instrument : MSVOA_X
Client Sampled : VSTDIC020

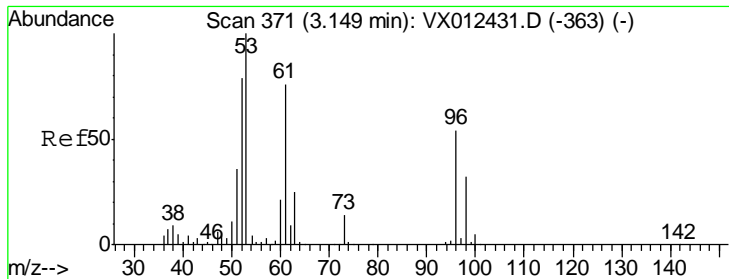
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#20
Methylene Chloride
Concen: 13.684 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
84	26516		
84	100		
49	130.6	106.8	160.2
51	38.6	32.3	48.5
86	62.3	51.3	76.9



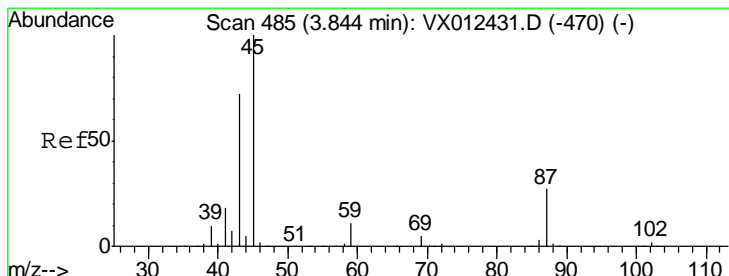
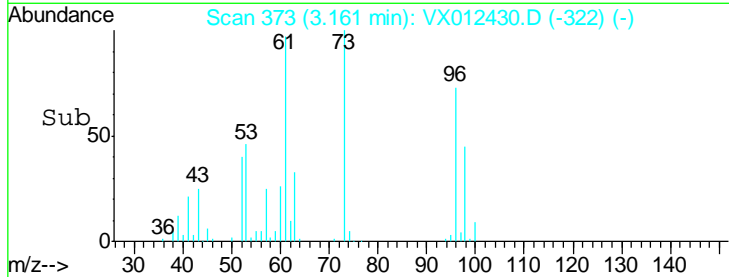
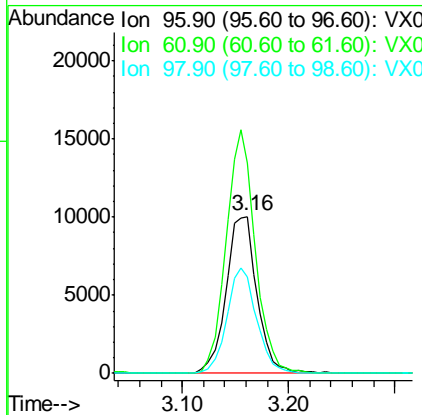
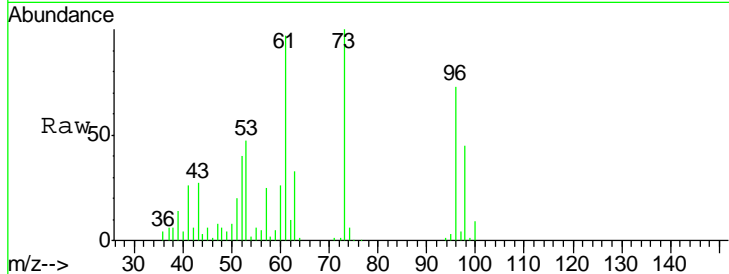


#21
 trans-1,2-Dichloroethene
 Concen: 14.164 ug/l
 RT: 3.16 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
96	20373		
61	133.8	112.0	168.0
98	61.3	47.8	71.8

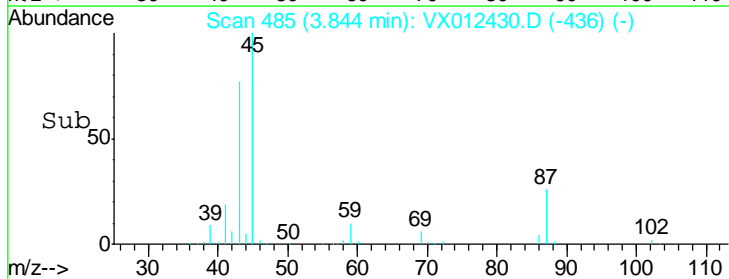
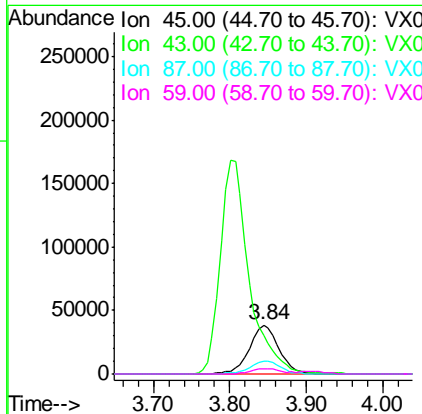
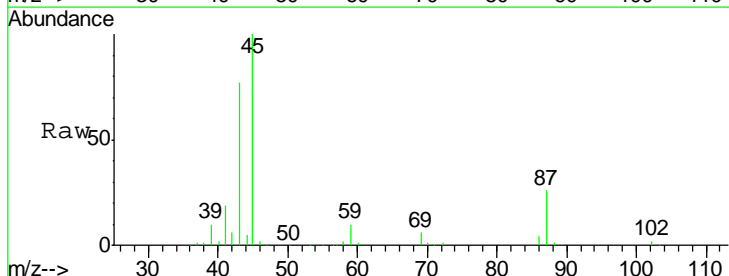
Instrument : MSVOA_X
 ClientSampled : VSTDIC020

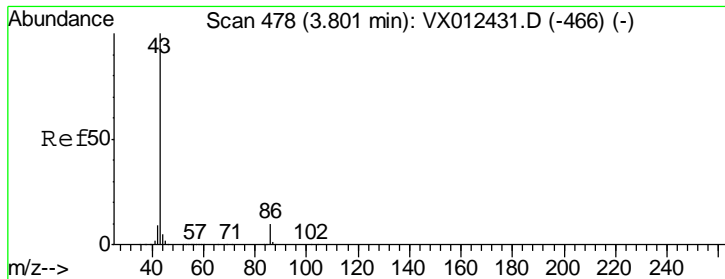
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#22
 Diisopropyl ether
 Concen: 14.630 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
45	104328		
43	77.1	57.8	86.8
87	25.8	21.3	31.9
59	9.6	8.5	12.7





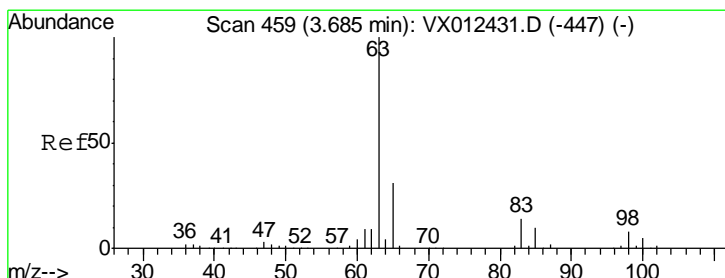
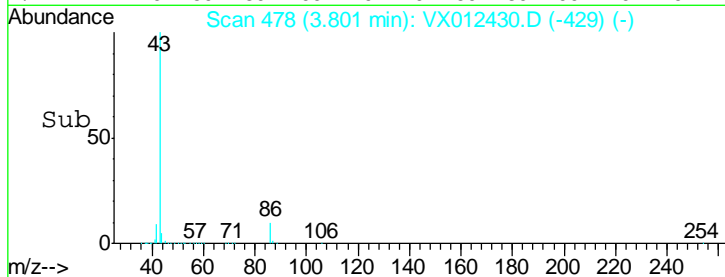
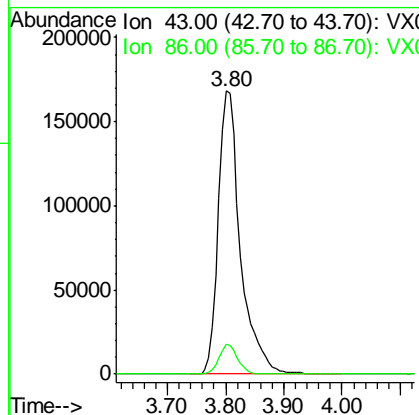
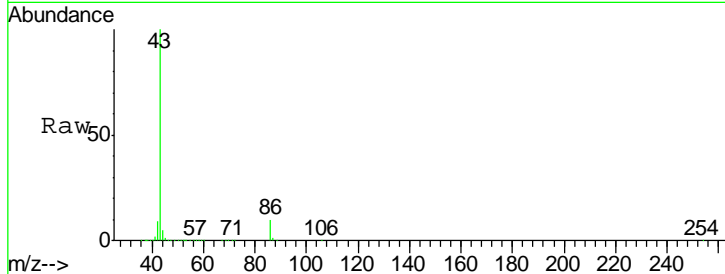
#23
 Vinyl Acetate
 Concen: 75.167 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.4	7.8	11.8

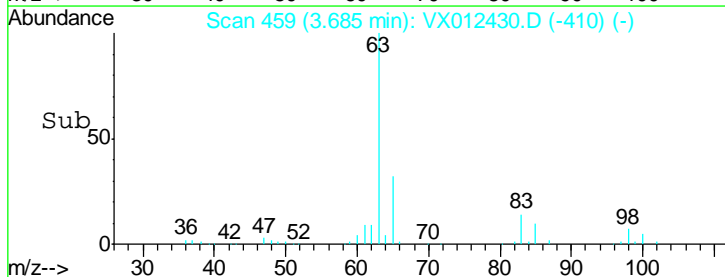
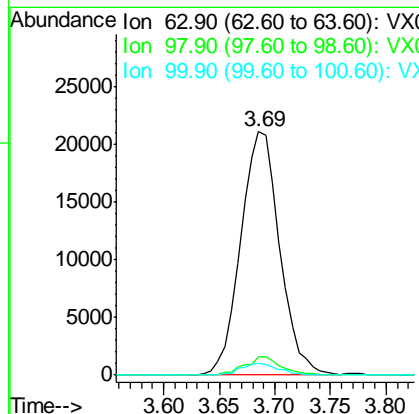
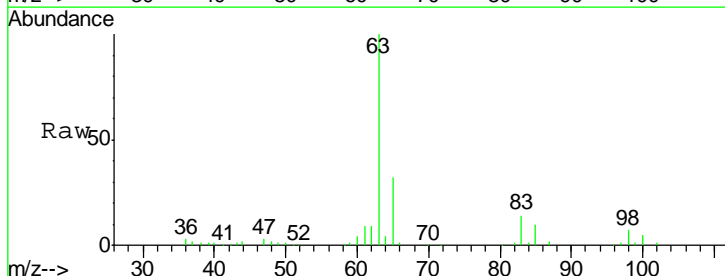
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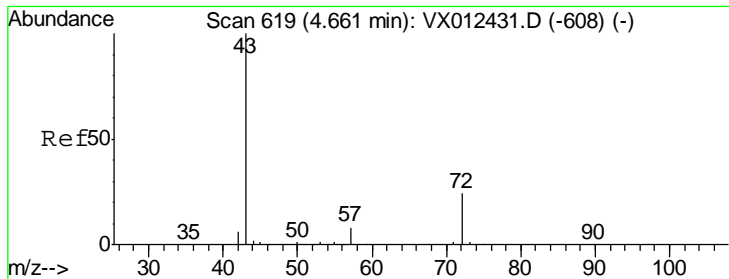
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#24
 1,1-Dichloroethane
 Concen: 14.369 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.5	3.9	11.7
100	4.8	2.3	6.9





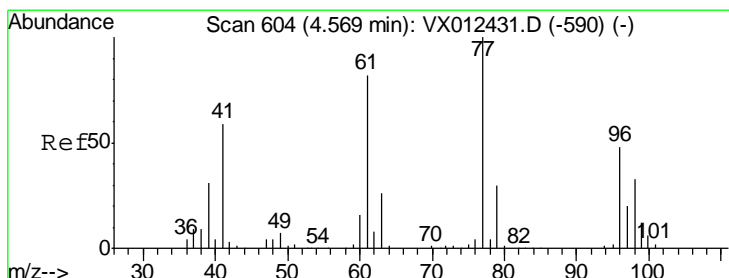
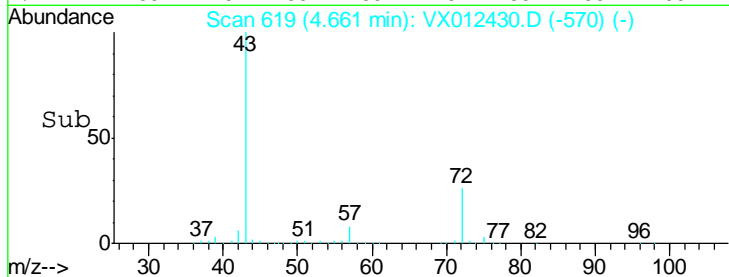
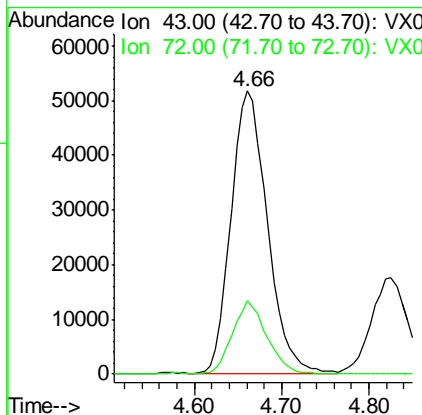
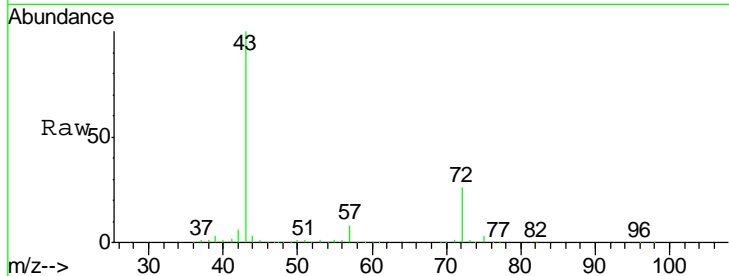
#25
 2-Butanone
 Concen: 73.019 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.7	19.2	28.8

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

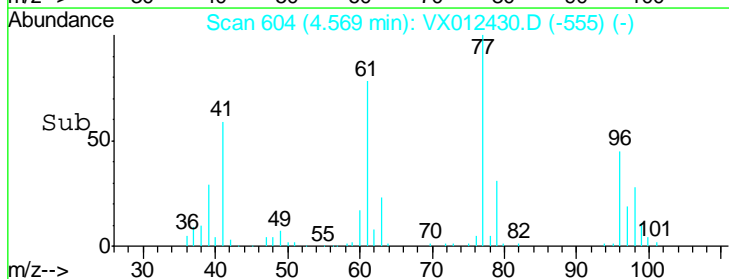
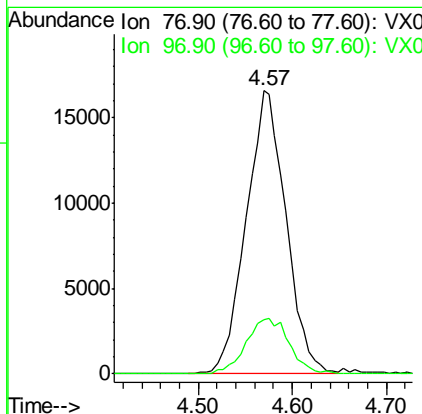
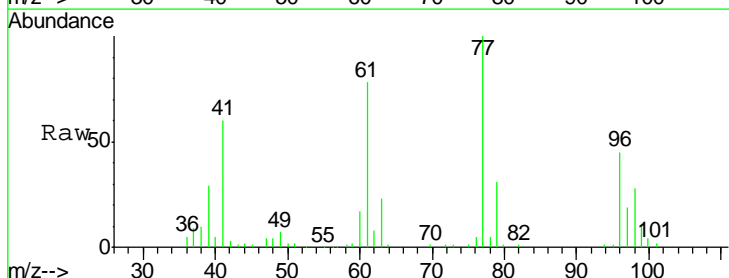
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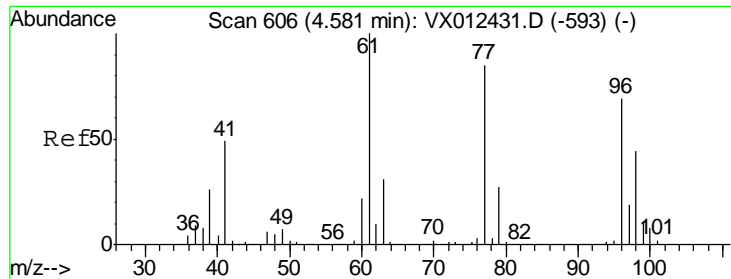
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#26
 2,2-Dichloropropane
 Concen: 14.416 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
77	100		
97	21.2	10.5	31.6





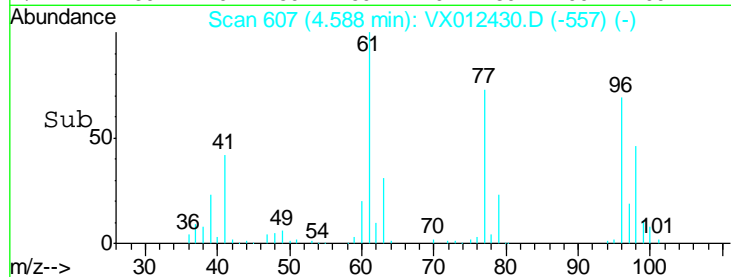
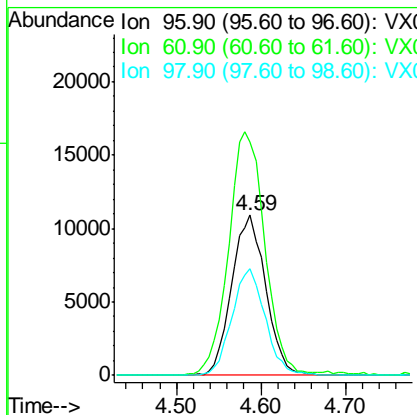
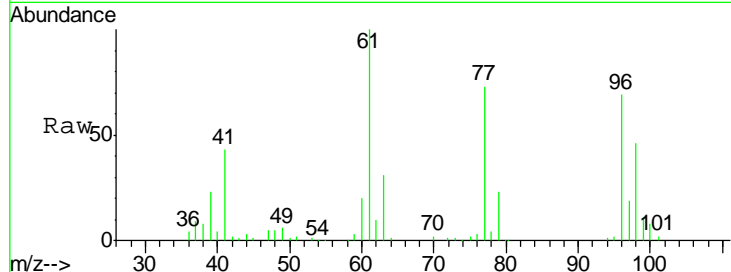
#27
 cis-1,2-Dichloroethene
 Concen: 14.105 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	29823		
96	100		
61	162.0	0.0	319.4
98	65.2	0.0	130.6

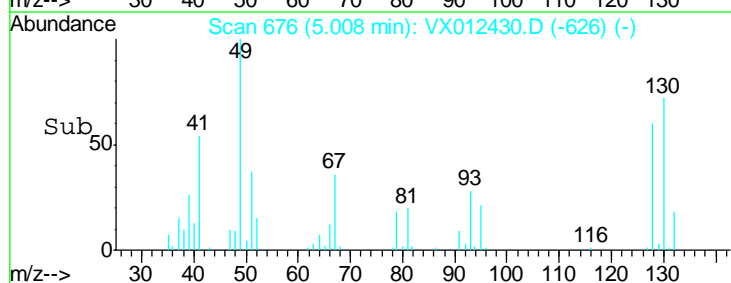
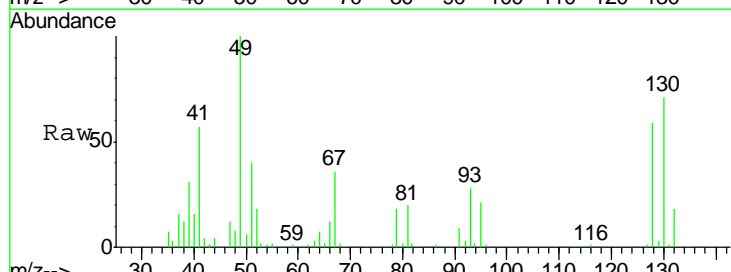
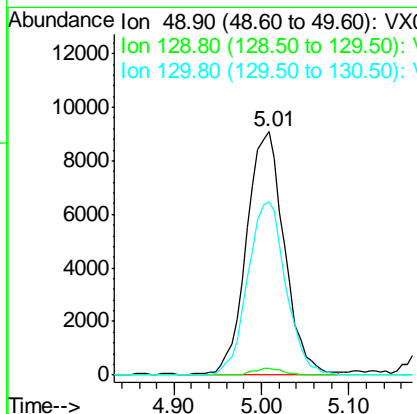
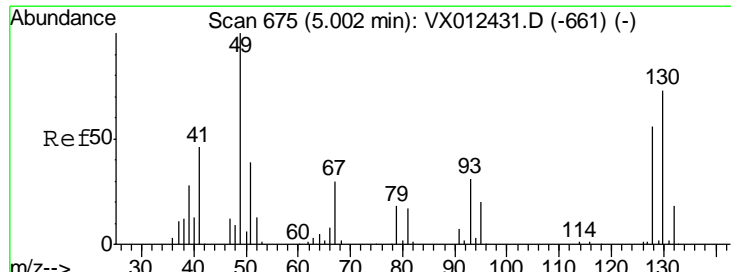
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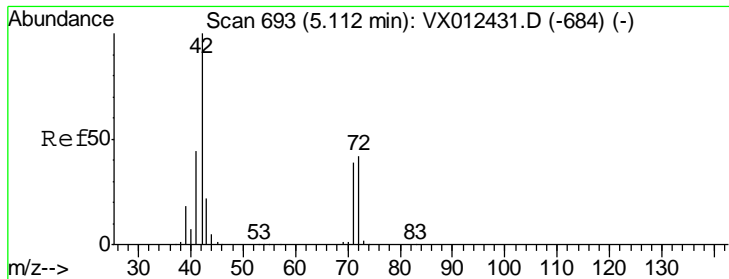
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#28
 Bromochloromethane
 Concen: 15.032 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
49	27405		
49	100		
129	2.1	0.0	3.8
130	71.6	58.2	87.4





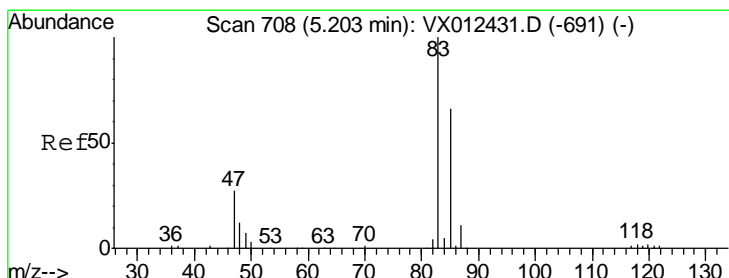
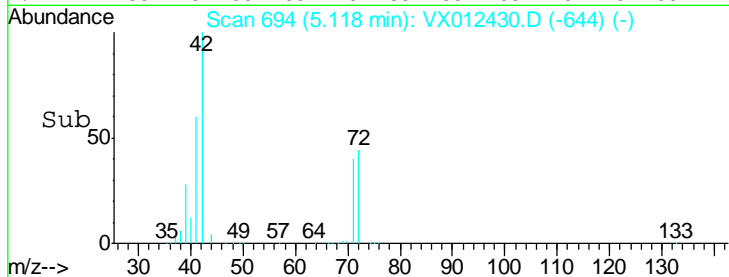
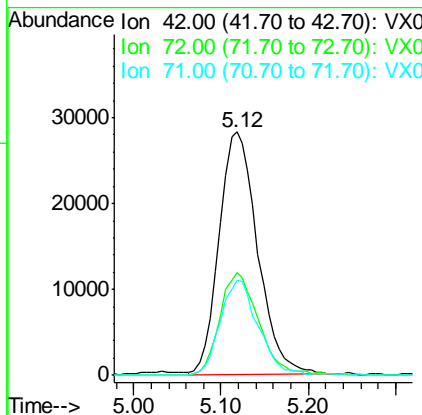
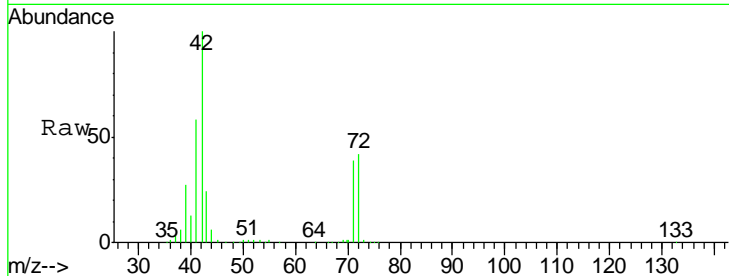
#29
 Tetrahydrofuran
 Concen: 73.134 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
42	100		
72	43.1	34.0	51.0
71	38.8	31.5	47.3

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

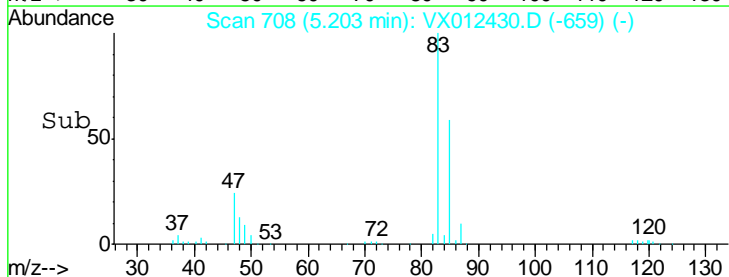
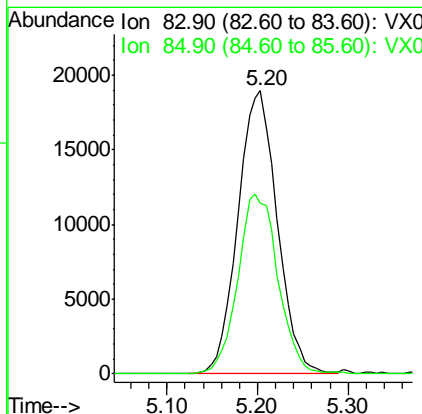
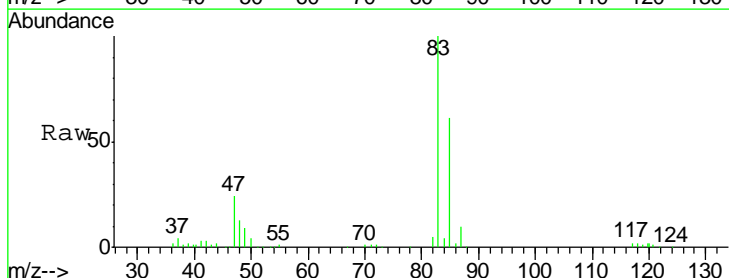
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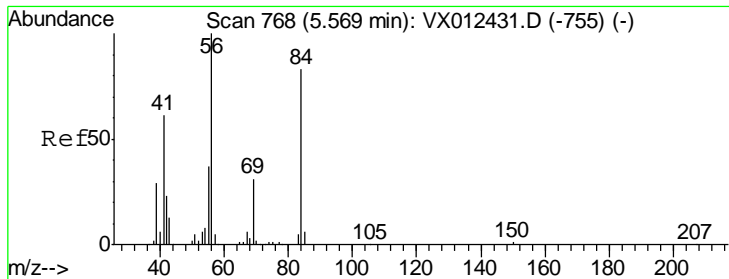
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#30
 Chloroform
 Concen: 13.859 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
83	100		
85	60.5	53.0	79.4





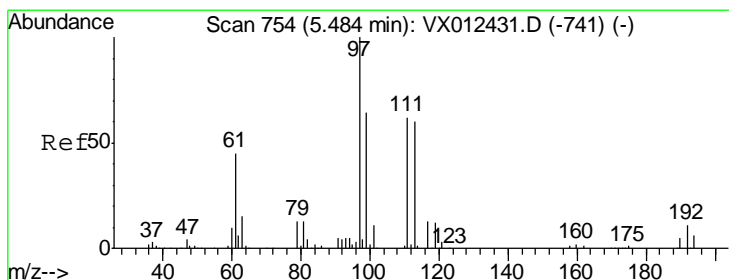
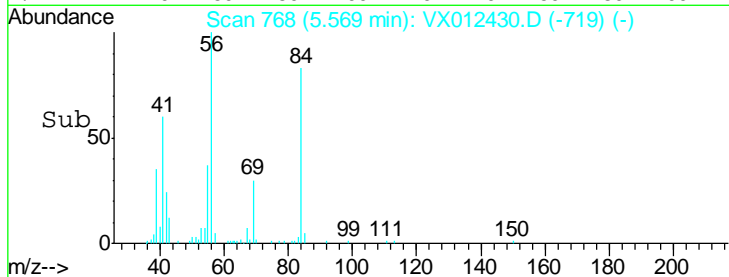
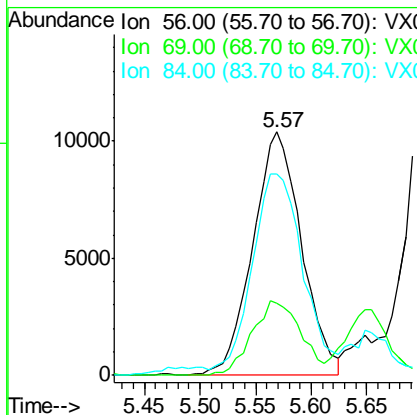
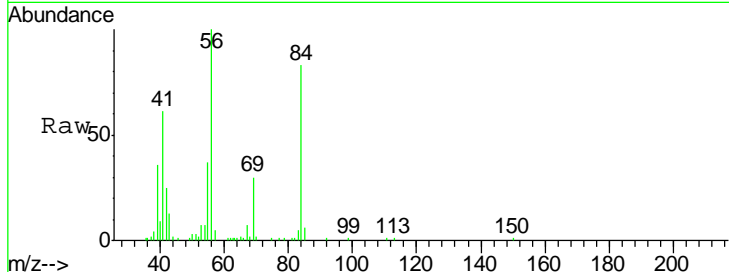
#31
 Cyclohexane
 Concen: 14.831 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	31769		
56	100		
69	29.6	25.0	37.6
84	79.9	66.4	99.6

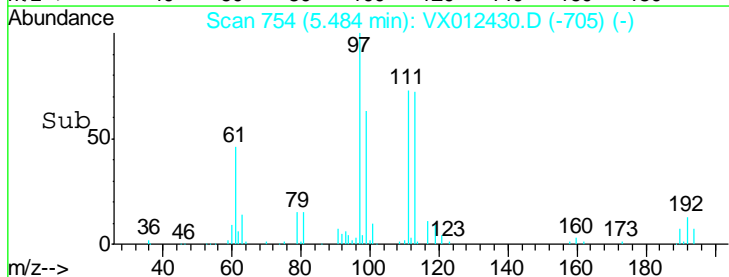
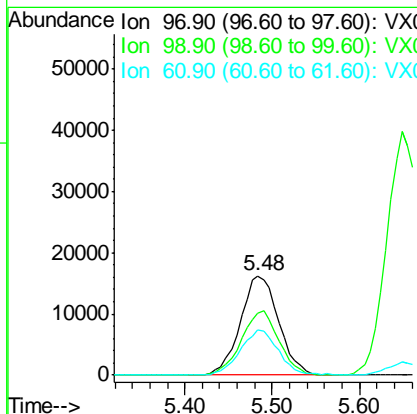
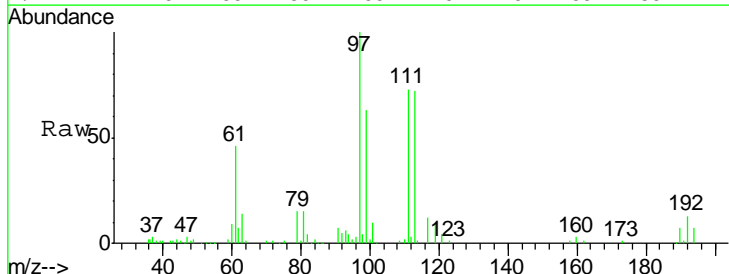
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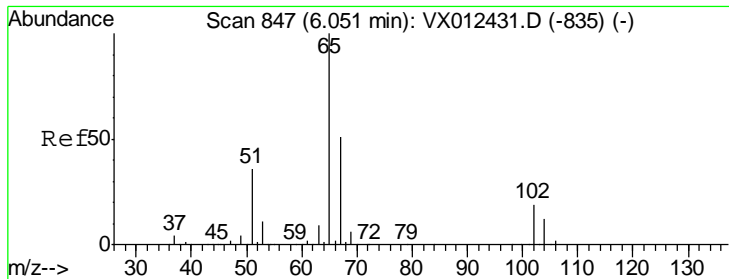
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#32
 1,1,1-Trichloroethane
 Concen: 14.466 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
97	49330		
97	100		
99	63.6	51.3	76.9
61	45.4	36.1	54.1





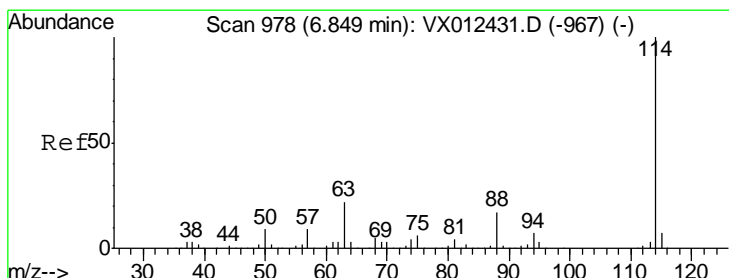
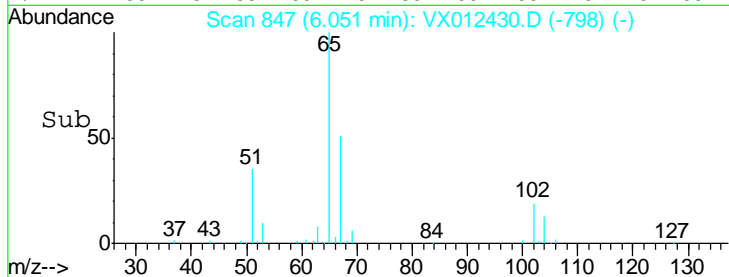
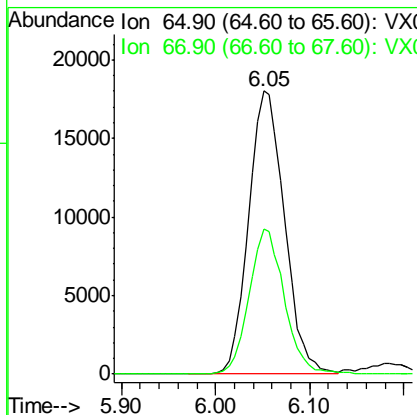
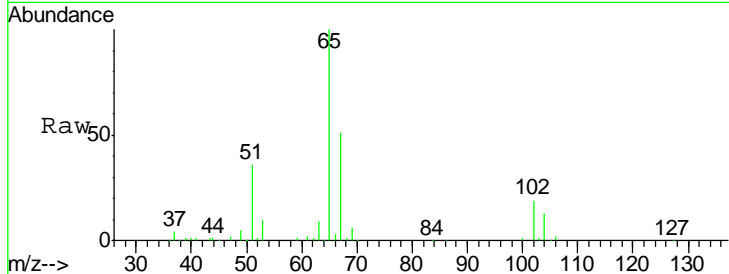
#33
 1,2-Dichloroethane-d4
 Concen: 15.652 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
65	48241		
65	100		
67	50.2	0.0	101.2

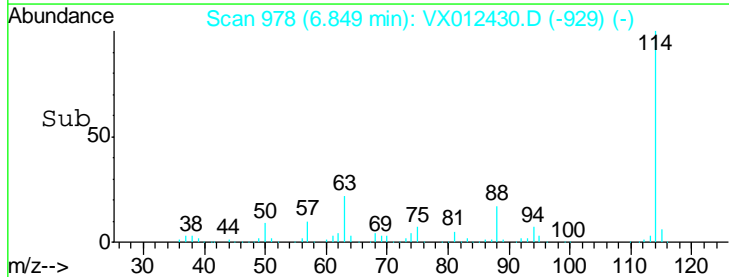
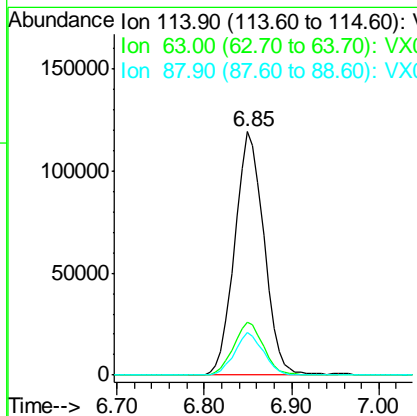
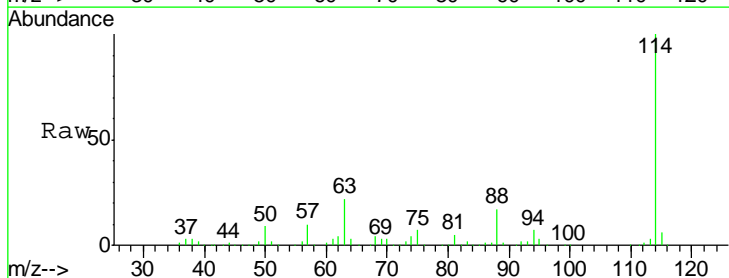
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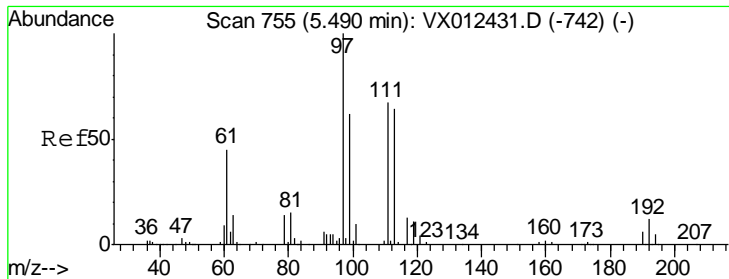
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
114	278098		
114	100		
63	21.8	0.0	43.2
88	17.5	0.0	33.2





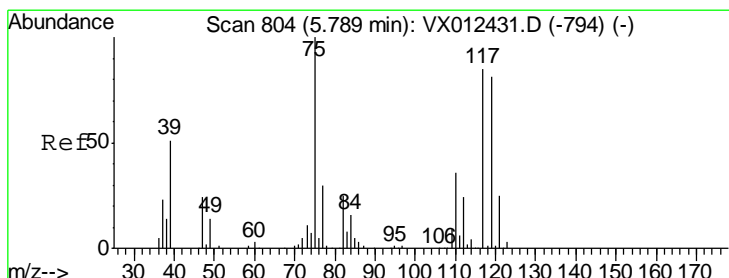
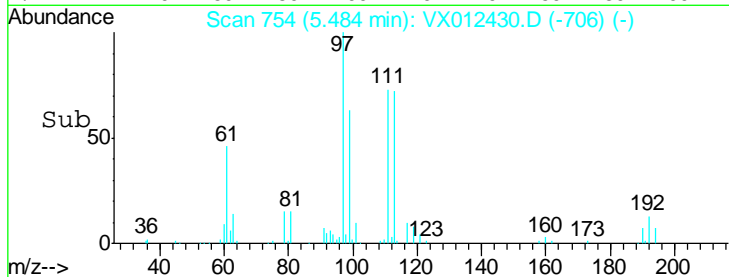
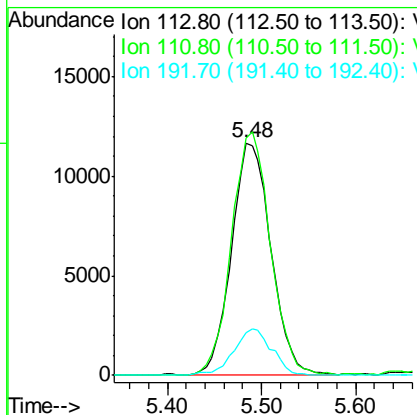
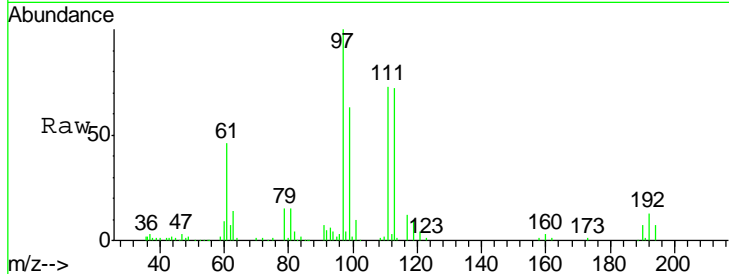
#35
 Dibromofluoromethane
 Concen: 13.821 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
113	34070		
113	100		
111	103.4	83.4	125.2
192	19.4	14.4	21.6

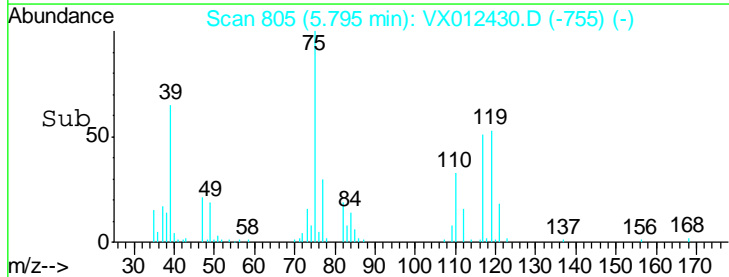
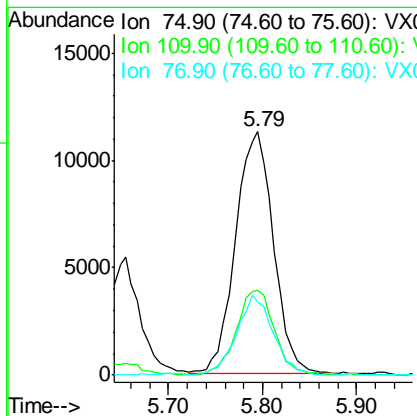
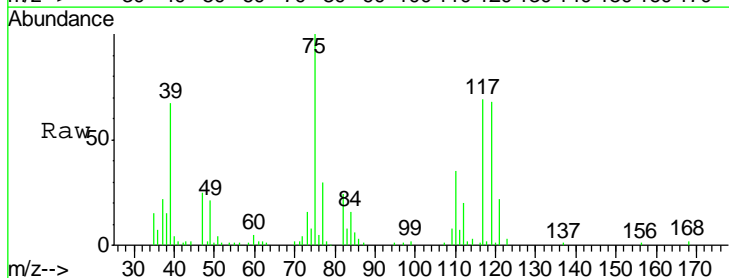
Manual Integrations
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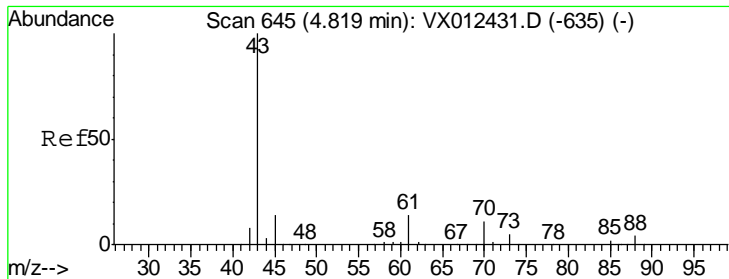
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 13.075 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
75	31717		
75	100		
110	35.2	16.7	50.0
77	31.7	24.2	36.2





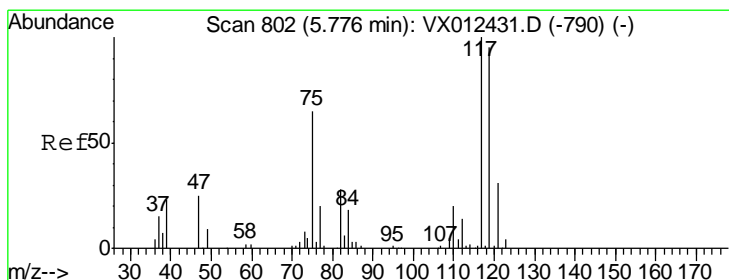
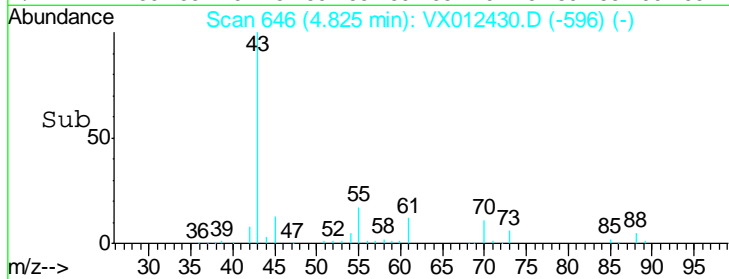
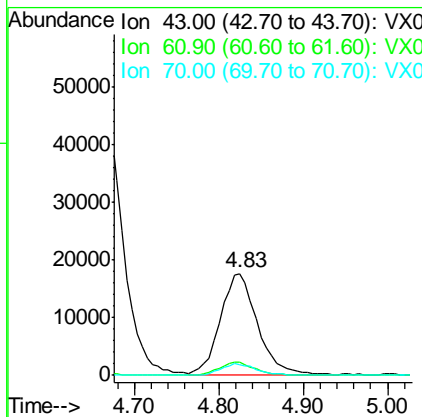
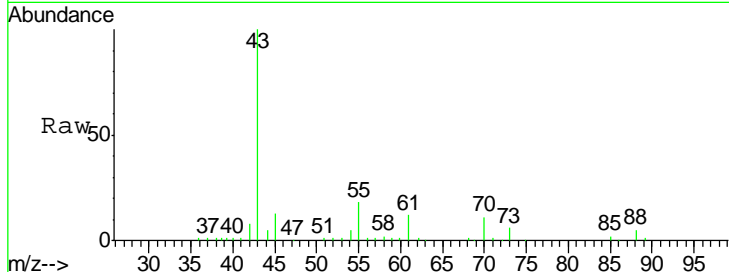
#37
 Ethyl Acetate
 Concen: 13.943 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	52063		
61	12.9	10.2	15.4
70	11.6	8.7	13.1

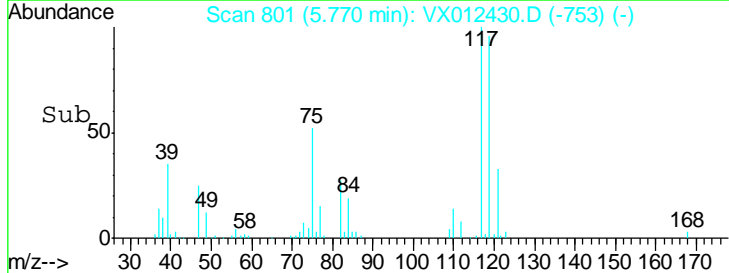
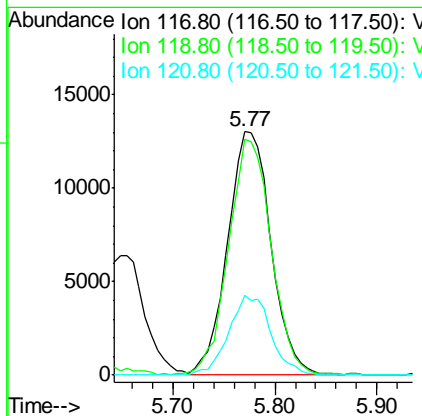
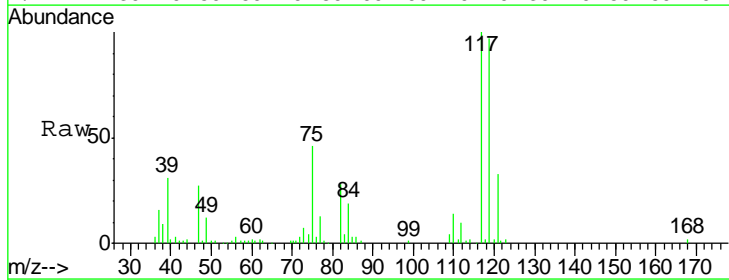
Manual Integrations
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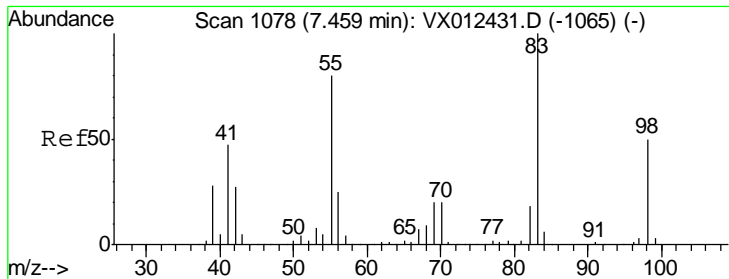
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 9/18/2019 11:22:09 AM



#38
 Carbon Tetrachloride
 Concen: 13.127 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
117	38554		
119	96.6	75.7	113.5
121	33.0	24.2	36.4



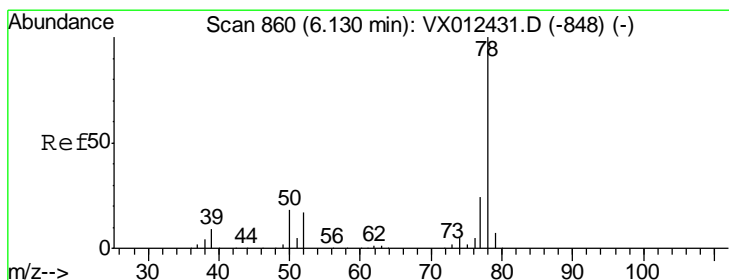
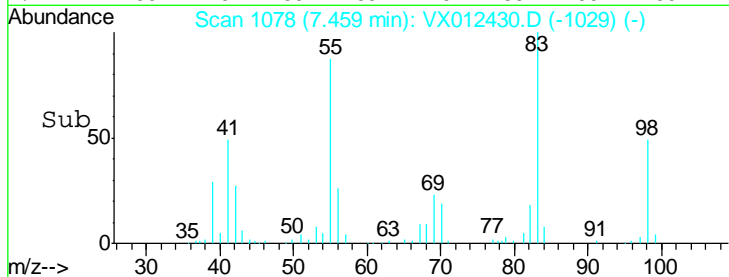
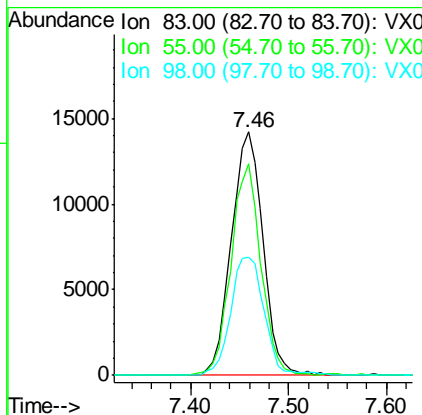
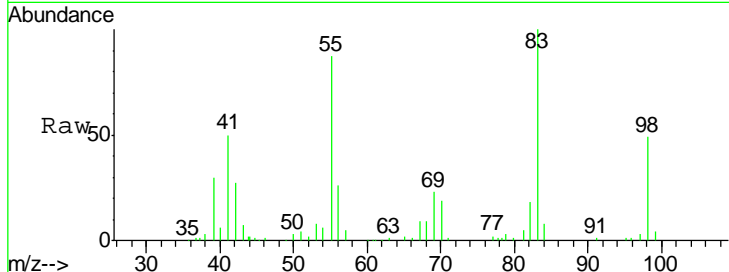


#39
 Methylcyclohexane
 Concen: 13.739 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
83	100		
55	86.9	64.4	96.6
98	48.7	40.1	60.1

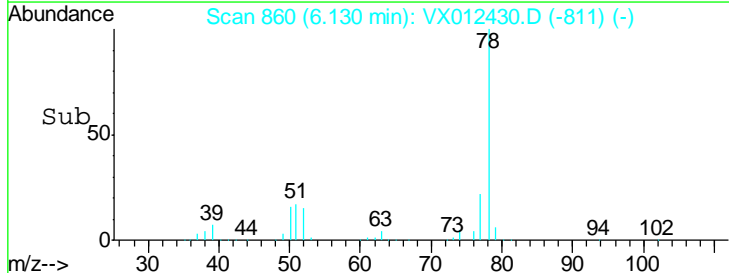
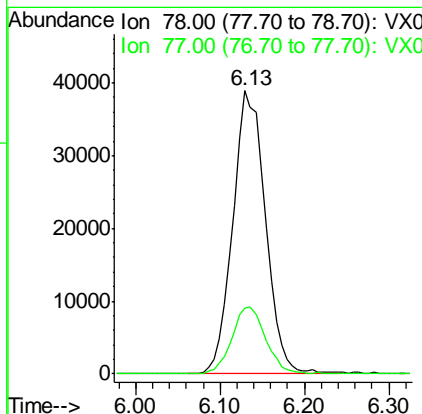
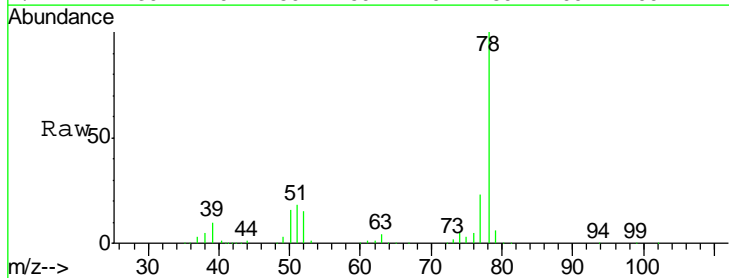
Instrument : MSVOA_X
 ClientSampled : VSTDIC020

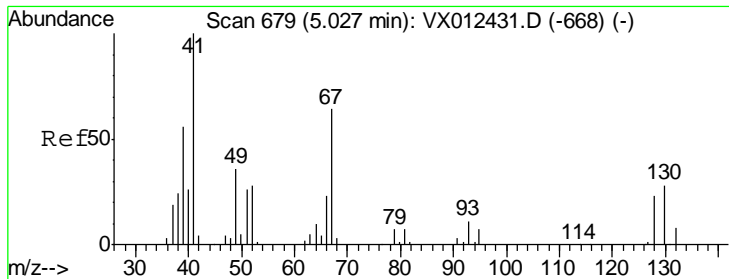
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#40
 Benzene
 Concen: 13.733 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.3	19.2	28.8





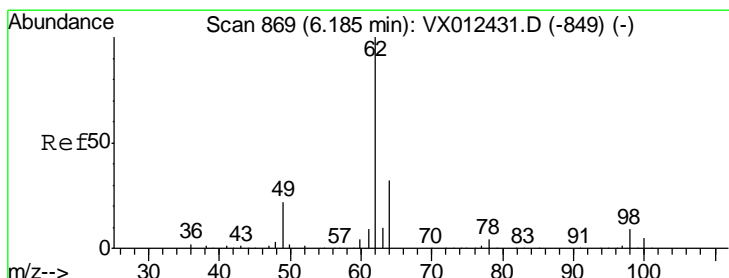
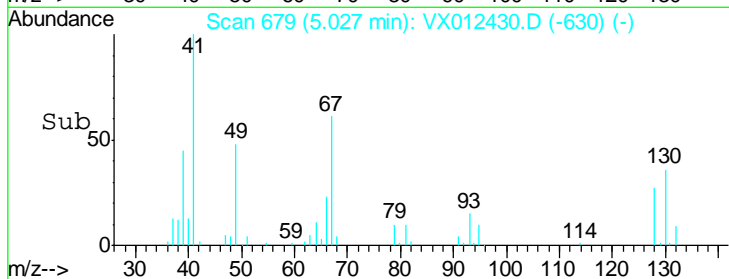
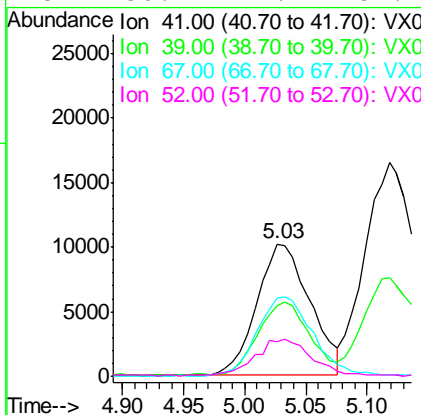
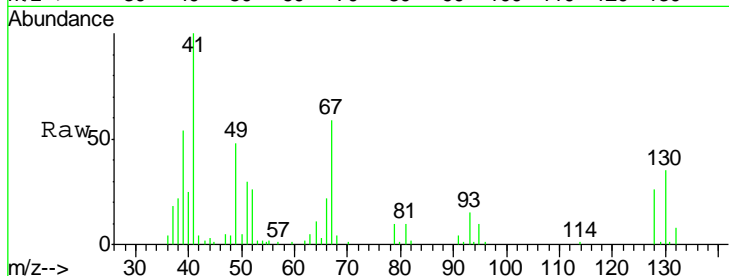
#41
 Methacrylonitrile
 Concen: 14.512 ug/l
 RT: 5.03 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
41	100		
39	53.4	46.0	69.0
67	64.0	52.2	78.2
52	30.1	22.7	34.1

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

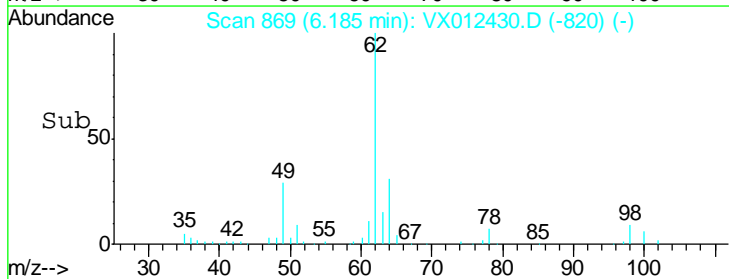
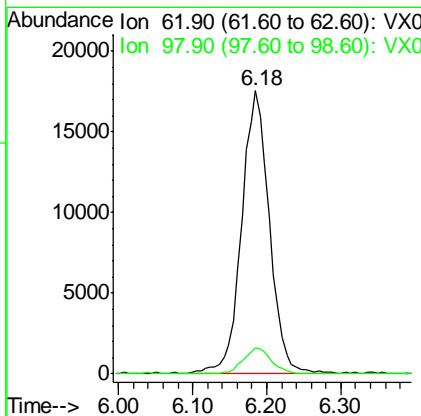
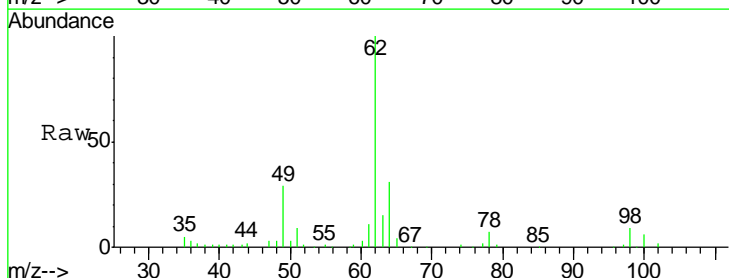
Manual Integrations
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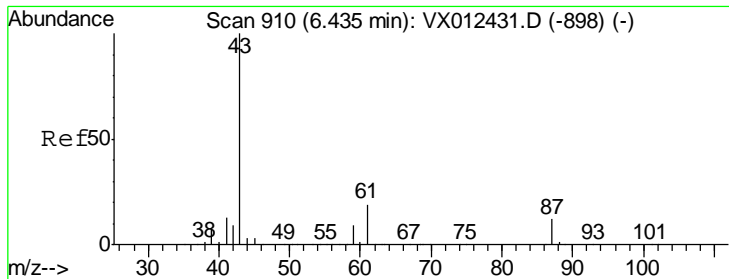
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#42
 1,2-Dichloroethane
 Concen: 13.606 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.2	0.0	17.8





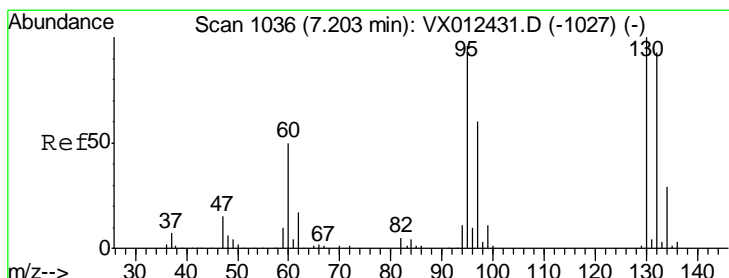
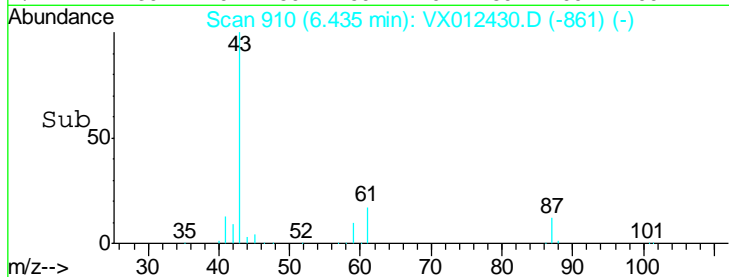
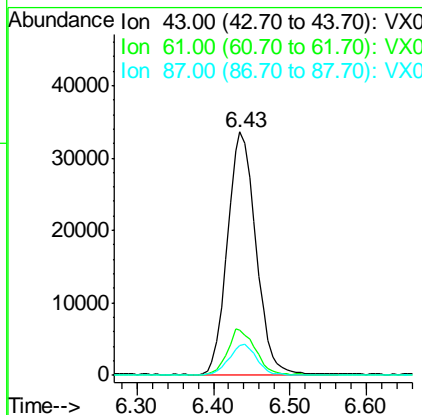
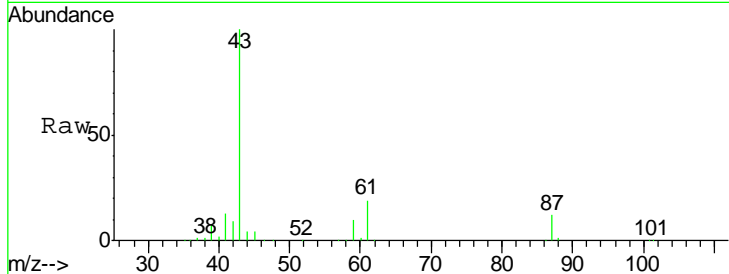
#43
 Isopropyl Acetate
 Concen: 13.470 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	18.7	15.4	23.0
87	12.4	9.8	14.8

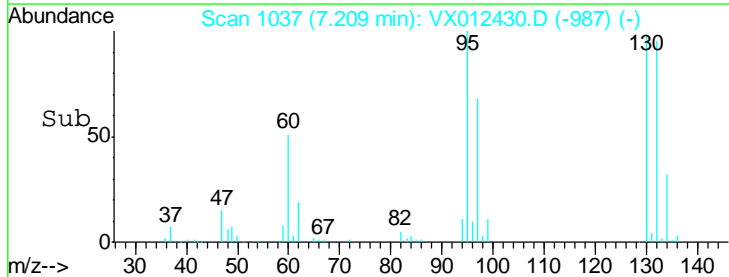
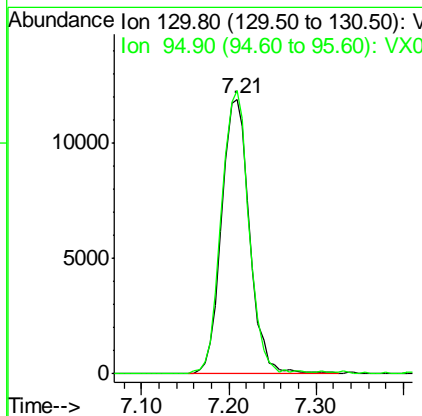
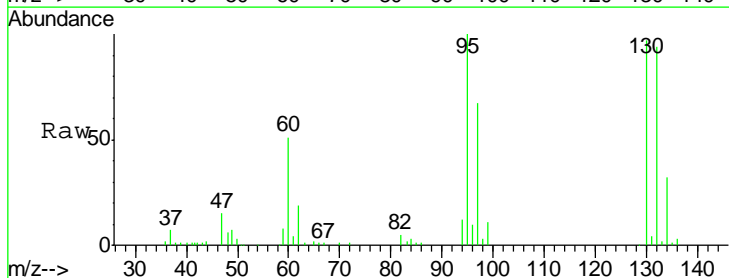
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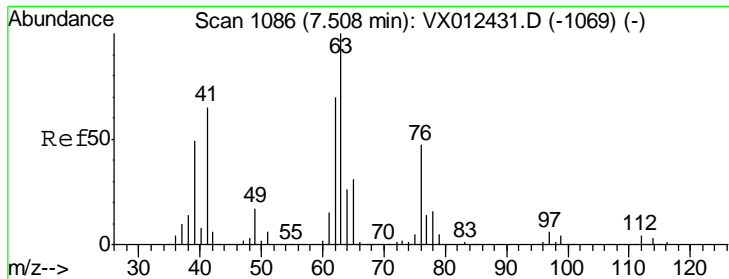
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#44
 Trichloroethene
 Concen: 13.296 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
130	100		
95	103.1	0.0	193.0





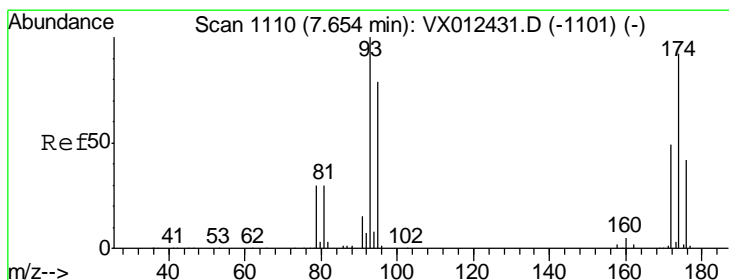
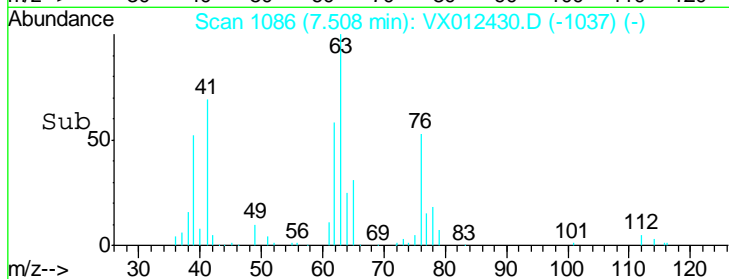
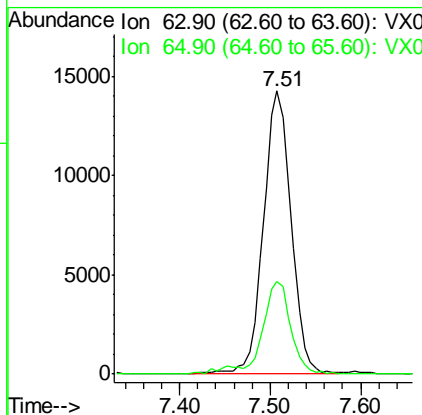
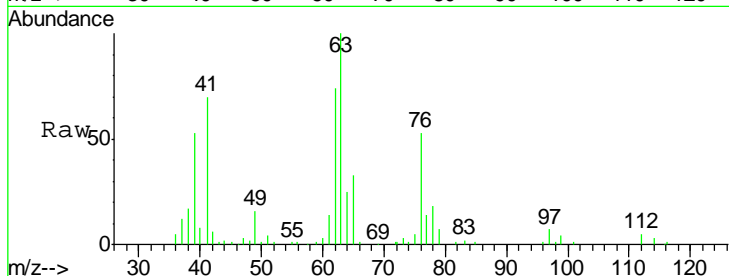
#45
 1,2-Dichloropropane
 Concen: 13.209 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
63	30190		
63	100		
65	32.7	25.0	37.6

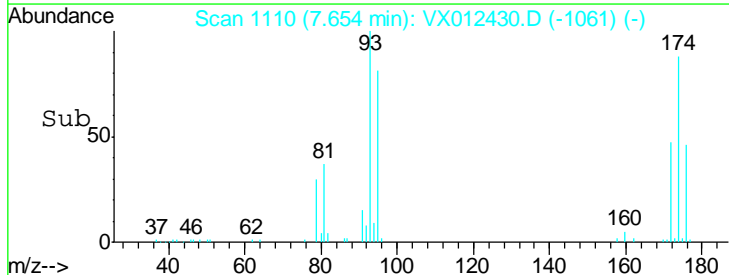
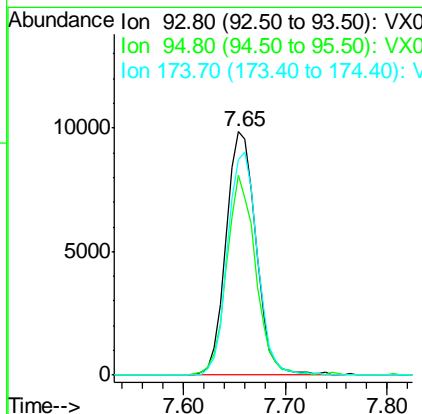
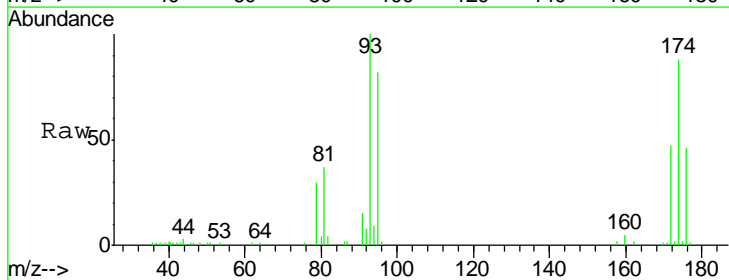
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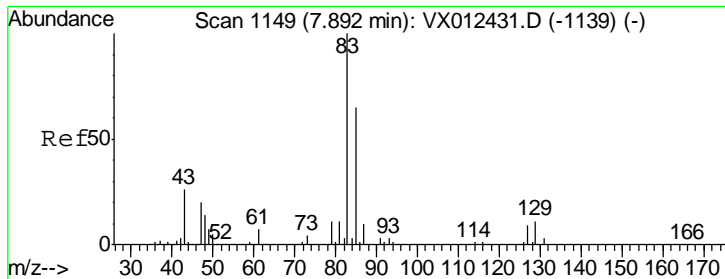
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#46
 Dibromomethane
 Concen: 13.197 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
93	20029		
93	100		
95	78.7	66.6	100.0
174	91.0	77.4	116.0





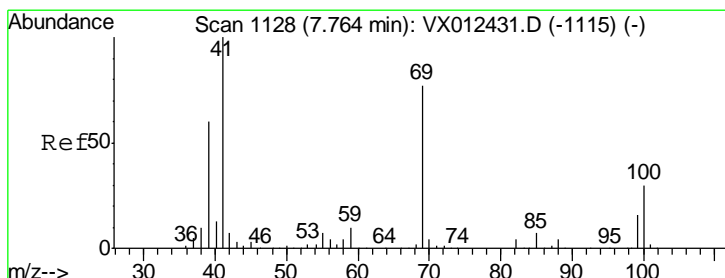
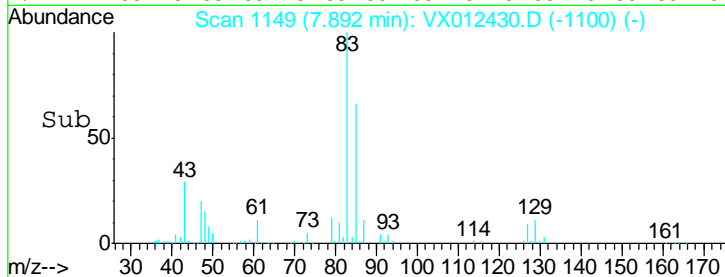
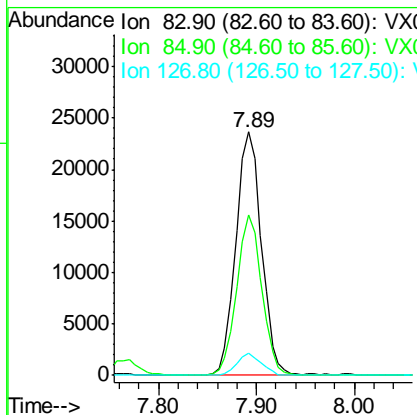
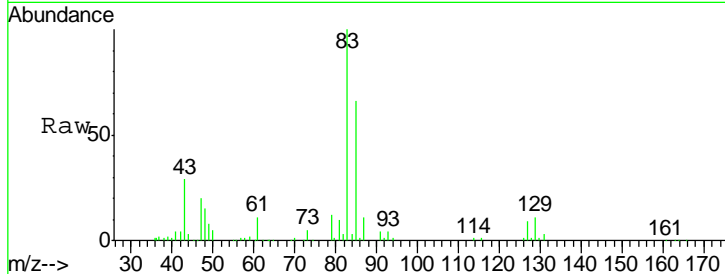
#47
 Bromodichloromethane
 Concen: 12.790 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	43225		
85	65.7	51.8	77.6
127	9.1	7.3	10.9

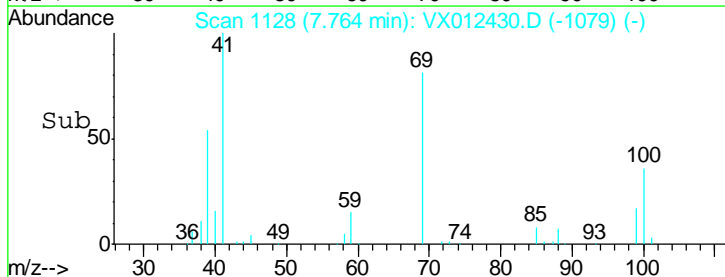
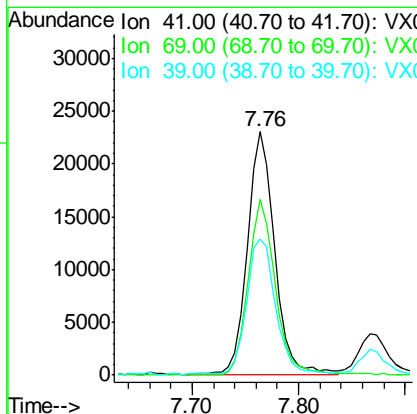
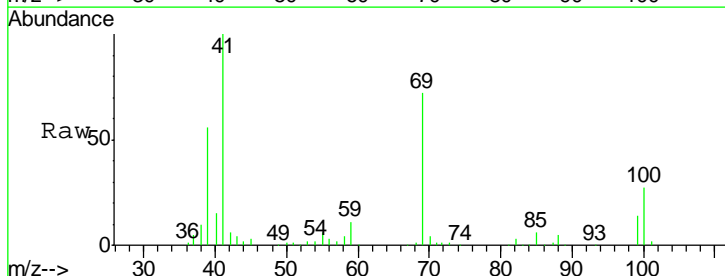
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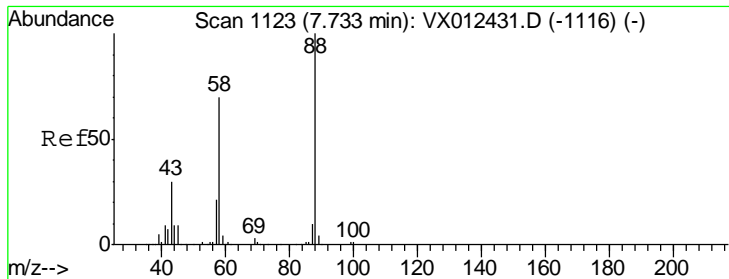
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#48
 Methyl methacrylate
 Concen: 14.456 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
41	41223		
69	73.7	59.9	89.9
39	58.9	47.8	71.6





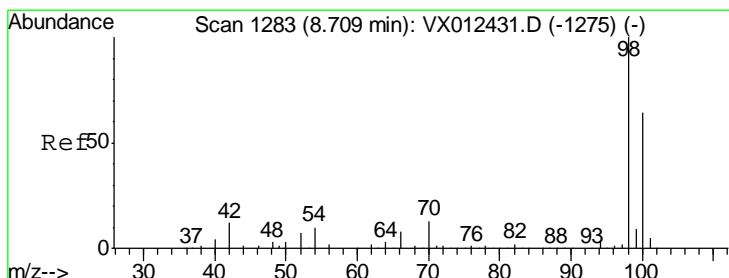
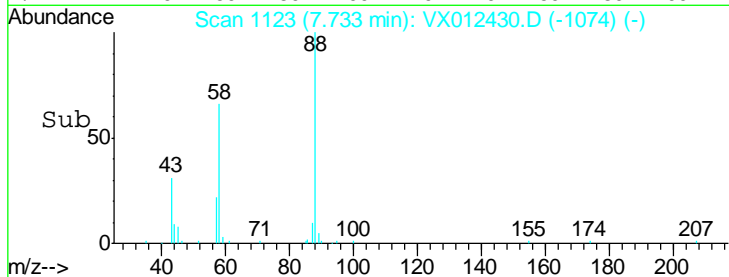
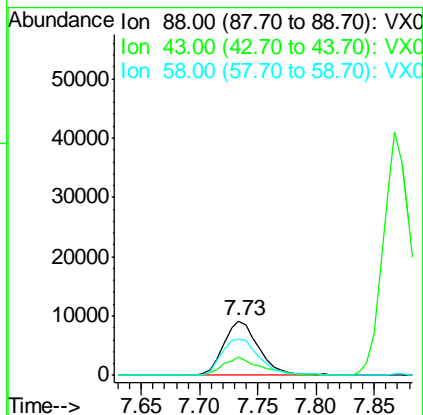
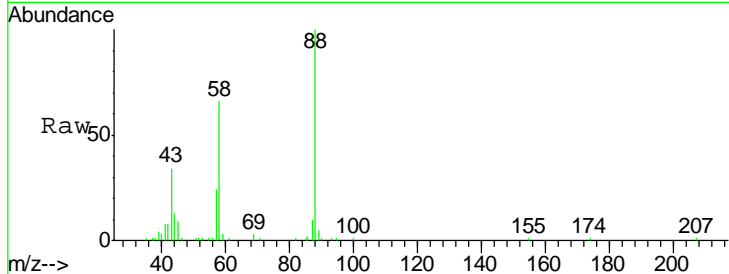
#49
 1,4-Dioxane
 Concen: 264.380 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
88	19235		
88	100		
43	33.9	29.4	44.0
58	72.3	57.5	86.3

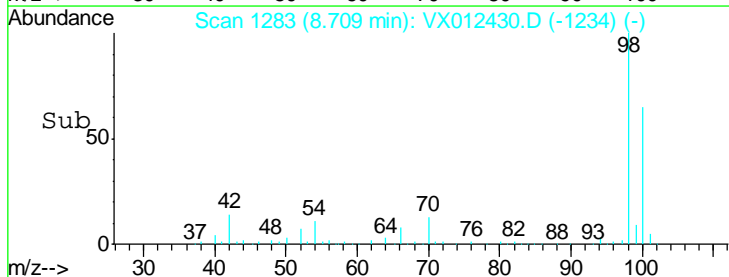
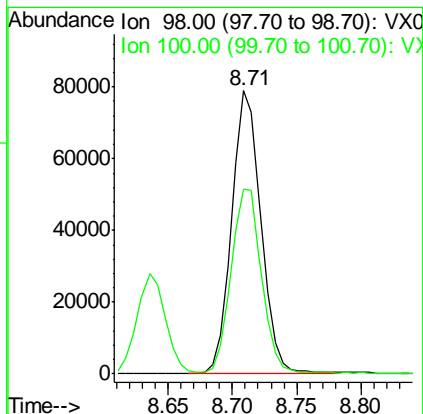
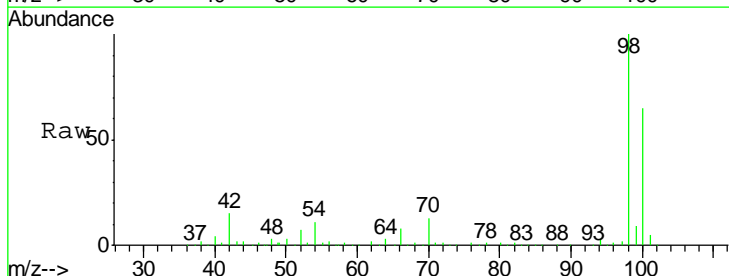
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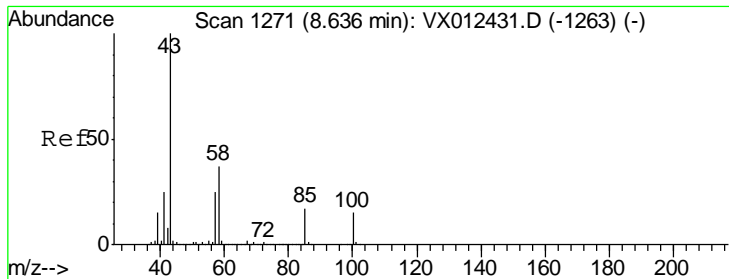
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#50
 Toluene-d8
 Concen: 14.383 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
98	125662		
98	100		
100	67.0	53.4	80.2





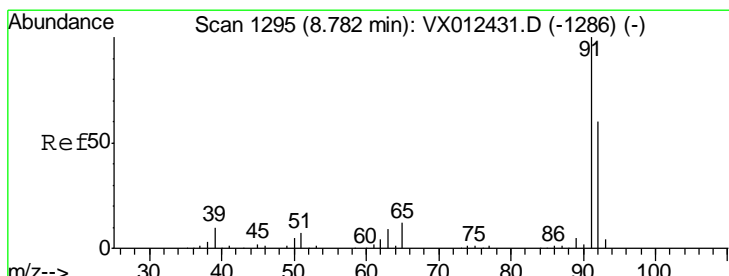
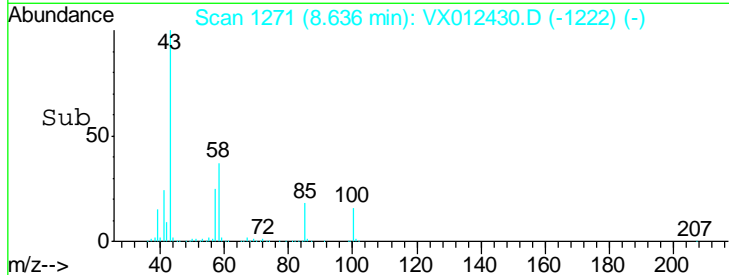
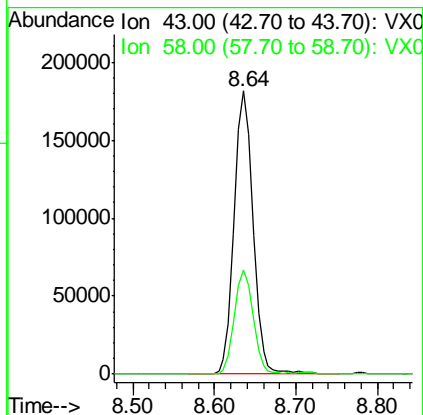
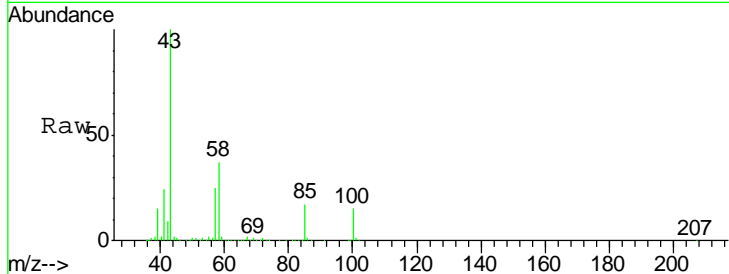
#51
 4-Methyl-2-Pentanone
 Concen: 69.606 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
43	100		
58	36.5	29.8	44.6

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

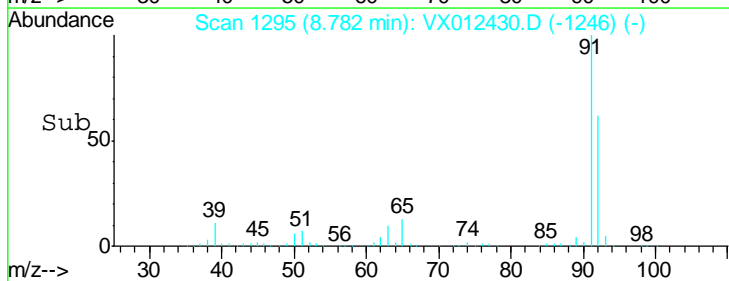
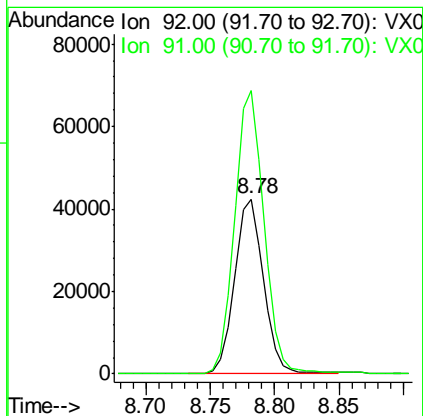
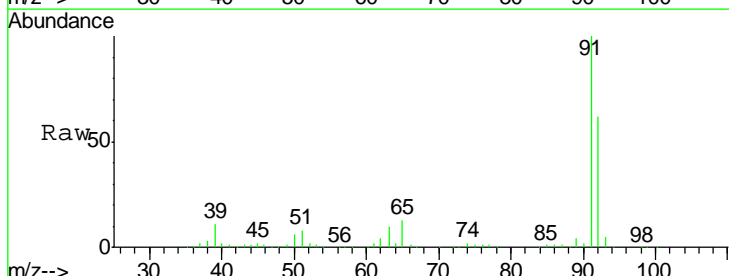
Manual Integrations
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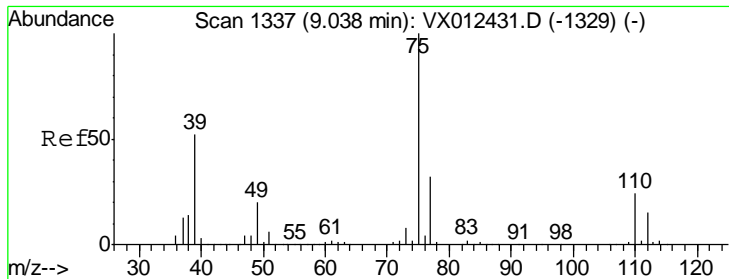
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#52
 Toluene
 Concen: 13.760 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
92	100		
91	164.9	135.4	203.0





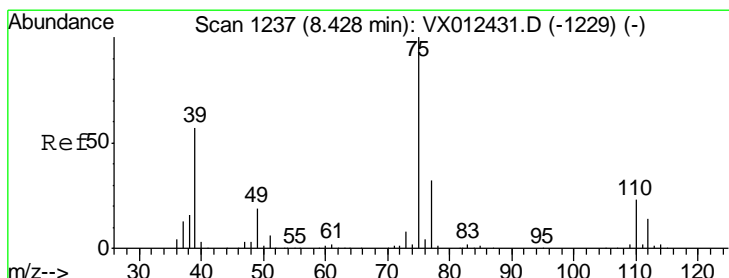
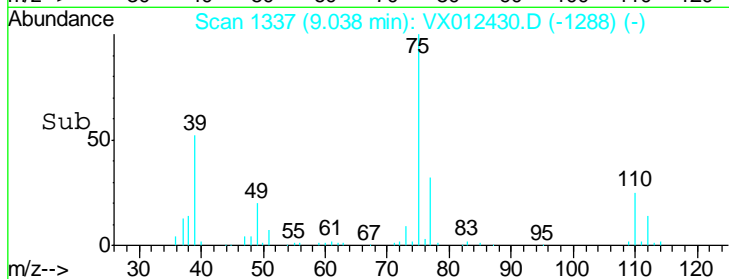
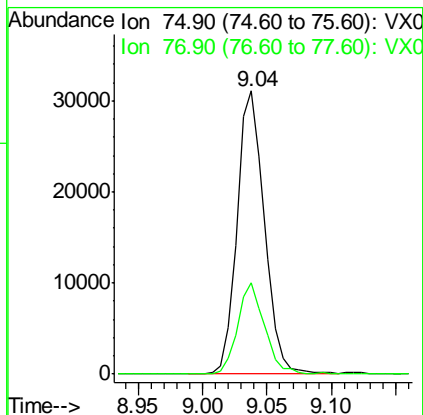
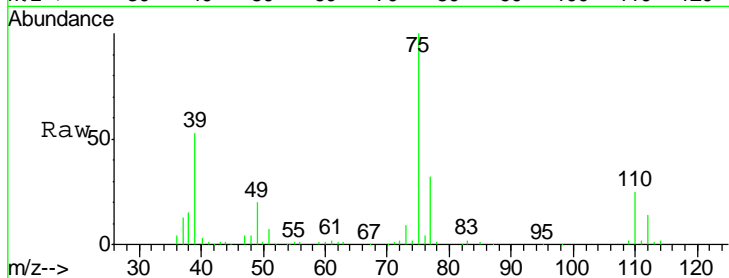
#53
 t-1,3-Dichloropropene
 Concen: 13.024 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	45672		
75	100		
77	32.2	25.2	37.8

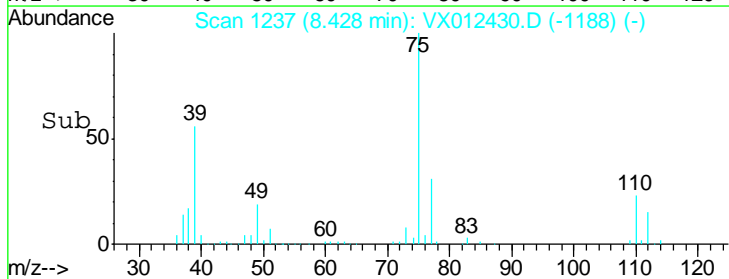
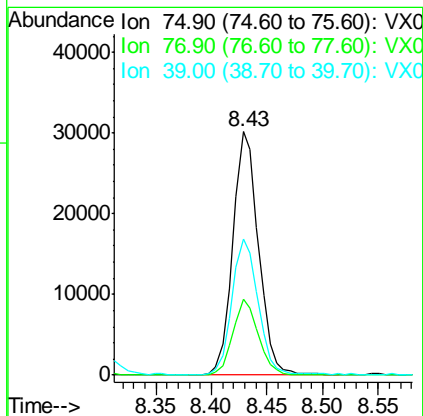
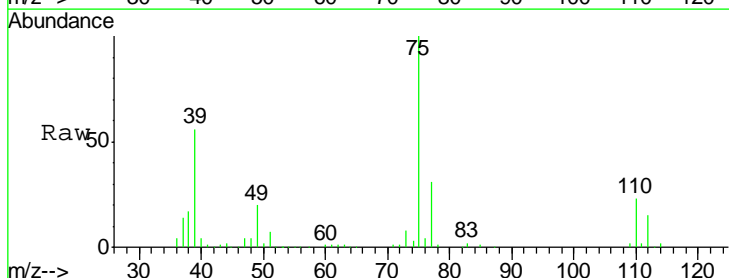
Manual Integrations
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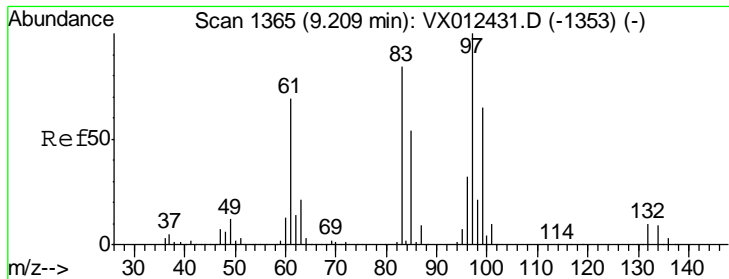
MMDadoda
 9/18/2019 11:22:09 AM



#54
 cis-1,3-Dichloropropene
 Concen: 13.305 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
75	48294		
75	100		
77	31.2	25.8	38.8
39	55.4	45.5	68.3



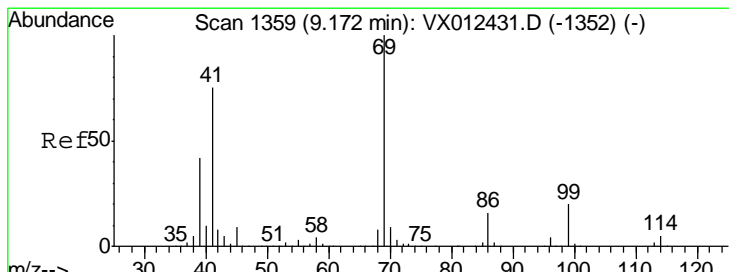
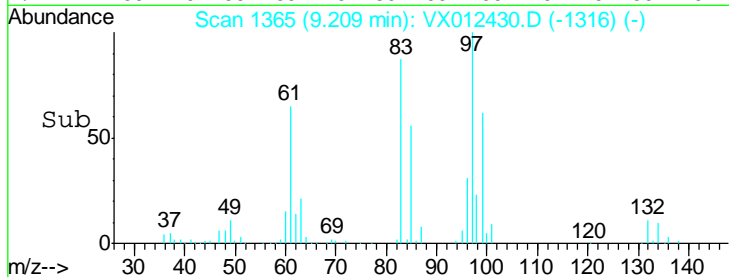
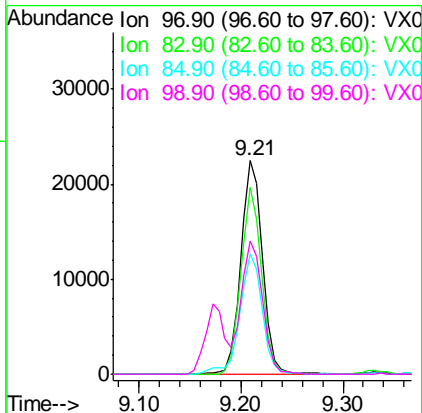
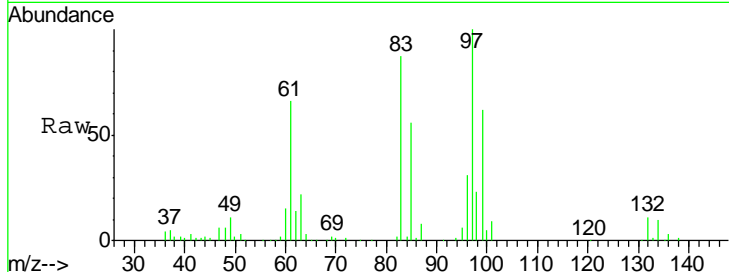


#55
 1,1,2-Trichloroethane
 Concen: 12.830 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
97	32790		
97	100		
83	87.3	67.4	101.2
85	56.4	43.5	65.3
99	62.2	51.8	77.8

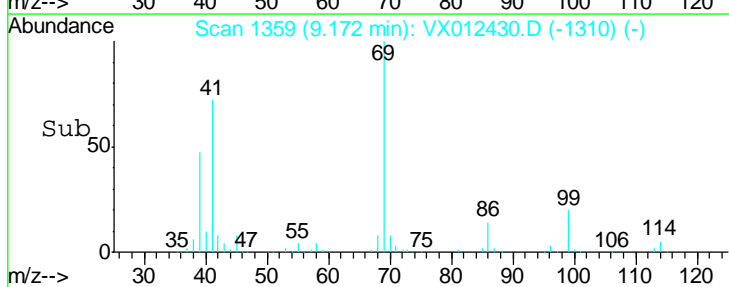
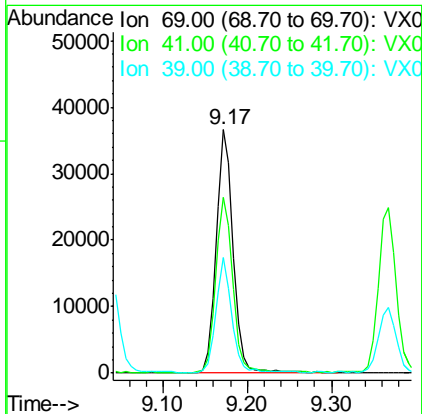
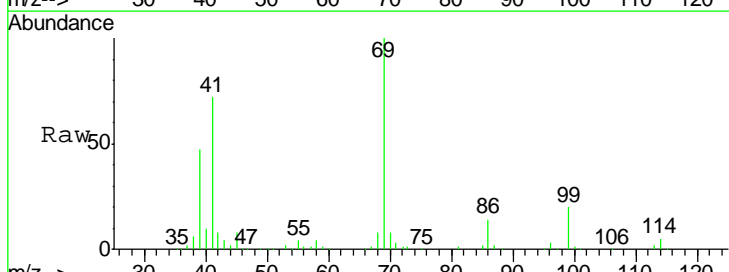
Instrument : MSVOA_X
 ClientSampled : VSTDIC020

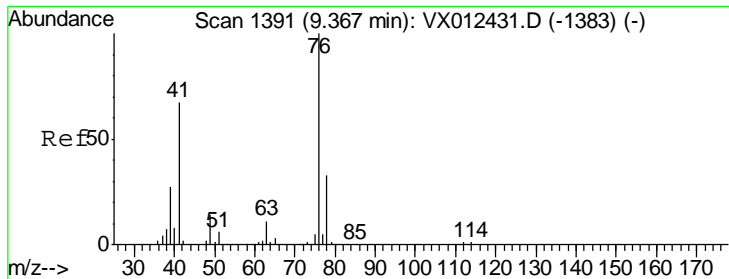
Manual Integrations APPROVED
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#56
 Ethyl methacrylate
 Concen: 13.344 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
69	51249		
69	100		
41	72.2	58.4	87.6
39	43.4	33.4	50.0





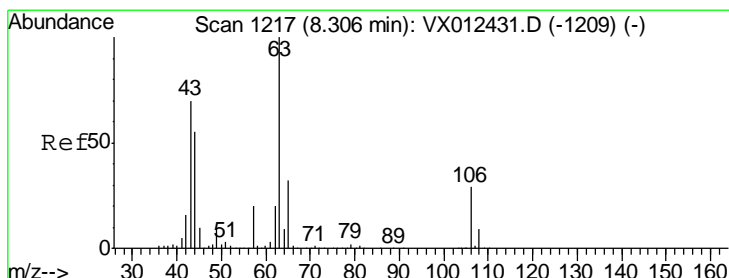
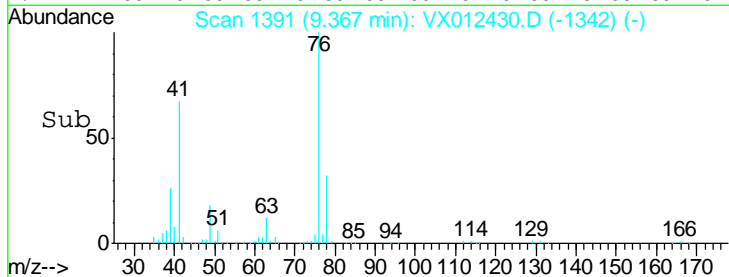
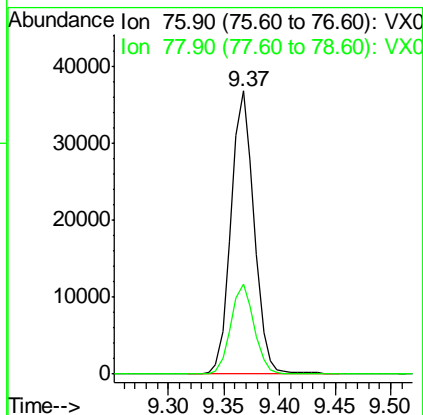
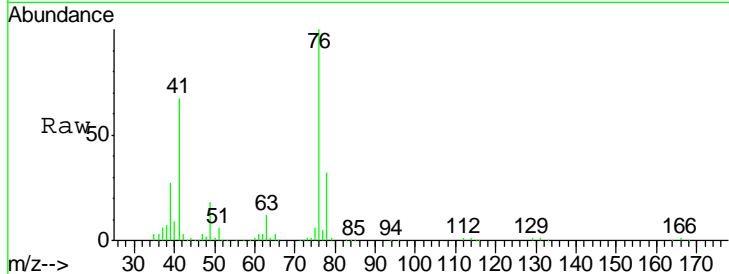
#57
 1,3-Dichloropropane
 Concen: 13.043 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	52762		
76	100		
78	32.2	26.2	39.2

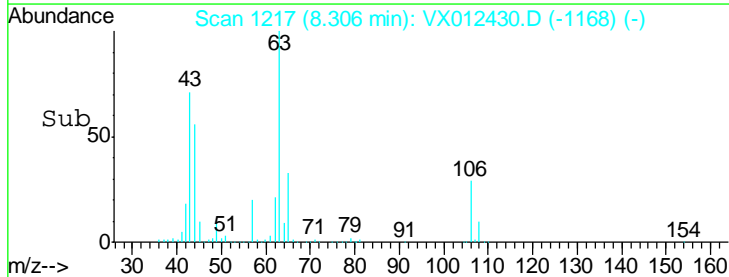
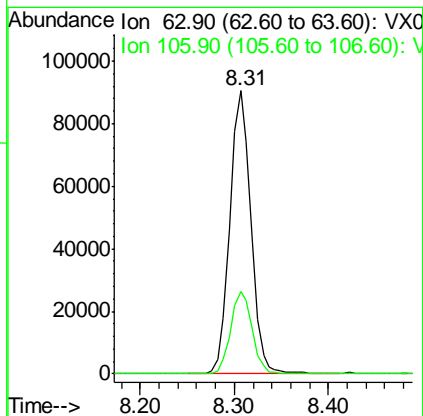
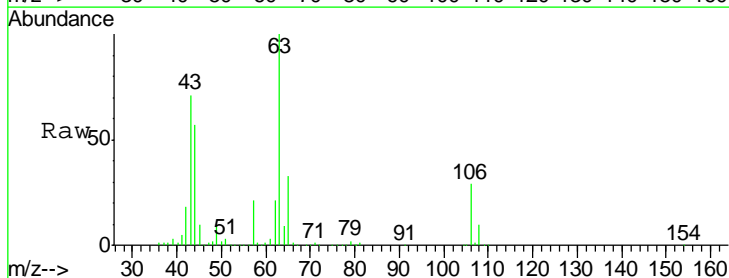
Manual Integrations
 APPROVED

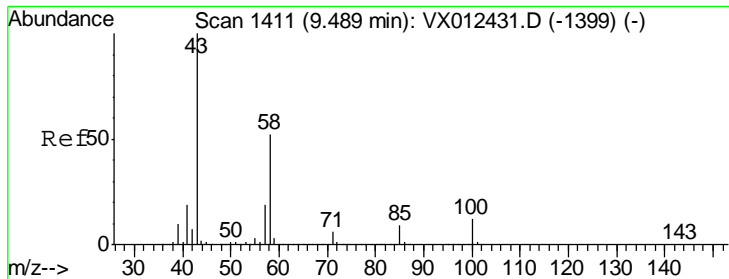
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#58
 2-Chloroethyl Vinyl ether
 Concen: 68.795 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
63	140835		
63	100		
106	29.5	23.8	35.6





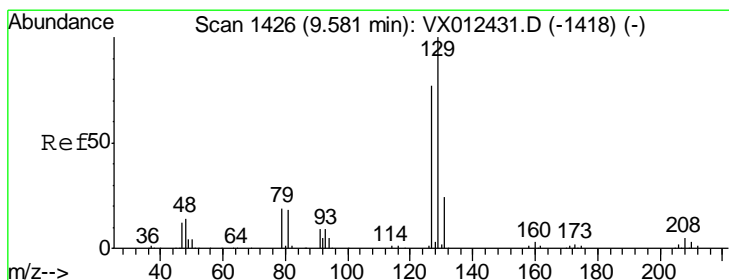
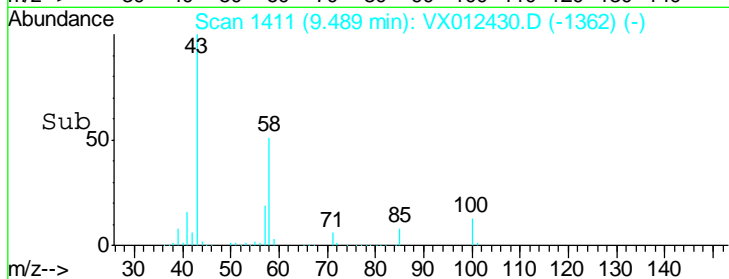
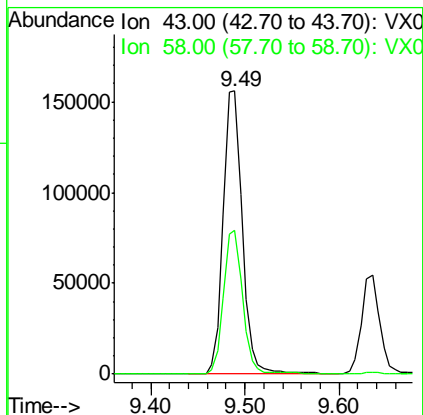
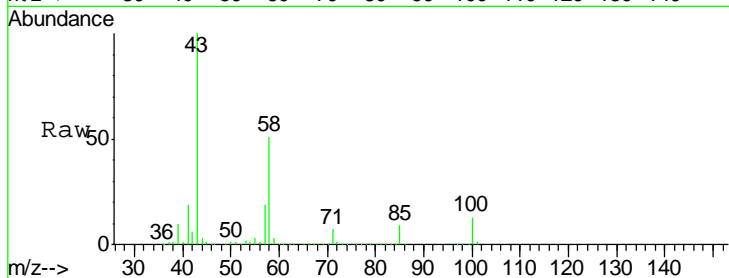
#59
 2-Hexanone
 Concen: 68.717 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	50.9	25.7	77.1

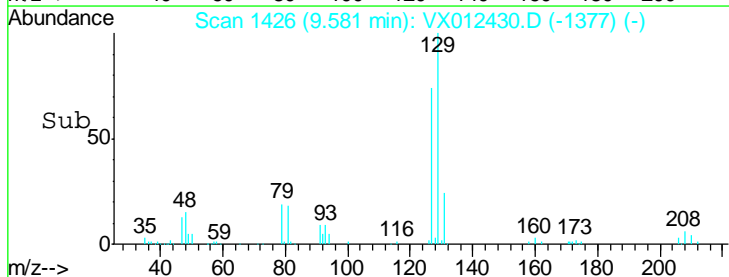
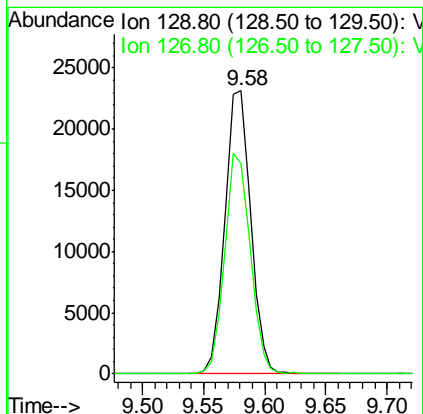
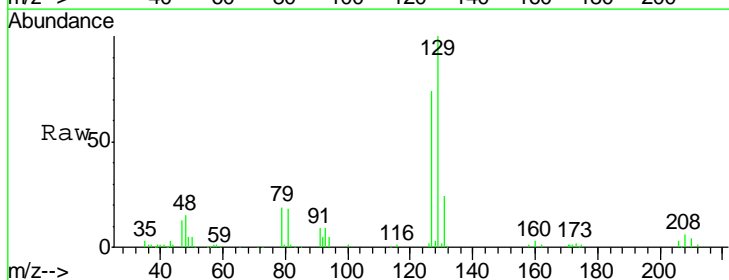
Manual Integrations
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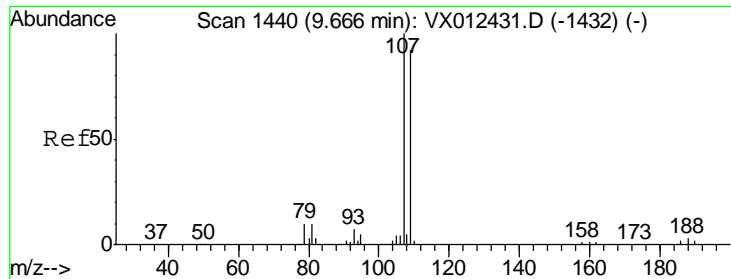
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#60
 Dibromochloromethane
 Concen: 12.994 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.9	38.9	116.6





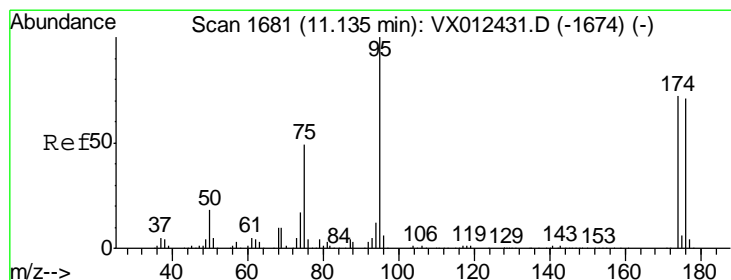
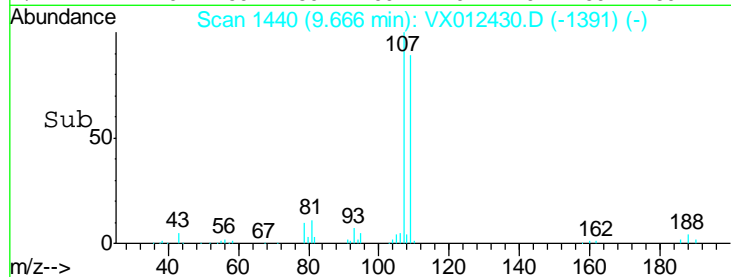
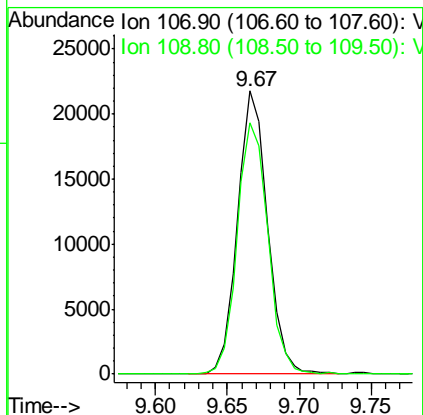
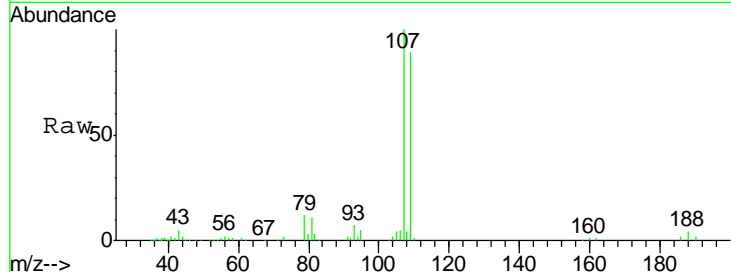
#61
 1,2-Dibromoethane
 Concen: 13.477 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
107	31581		
109	90.6	74.7	112.1

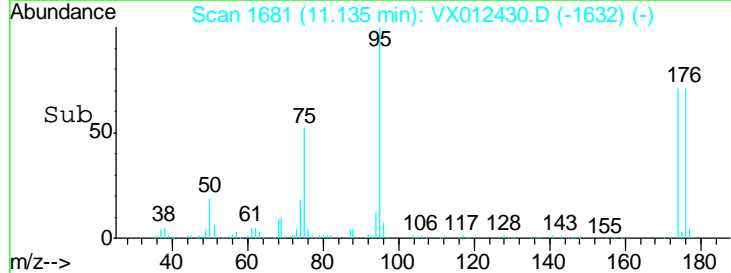
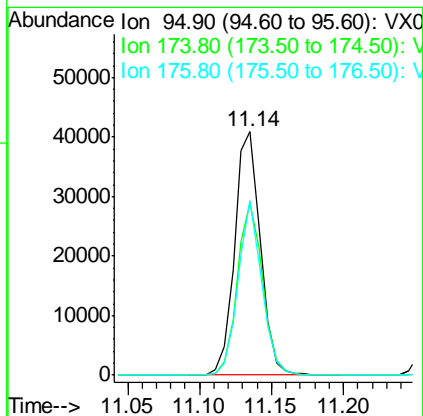
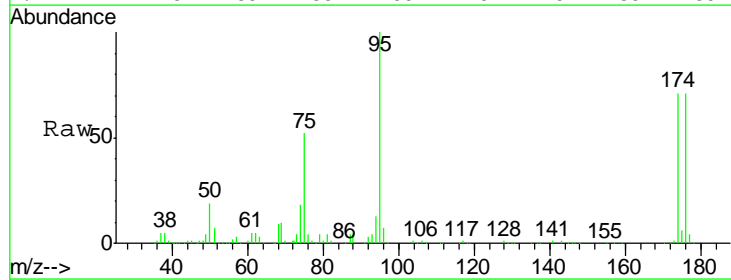
Manual Integrations
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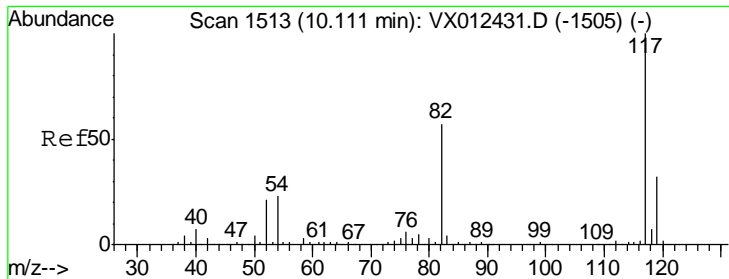
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#62
 4-Bromofluorobenzene
 Concen: 13.814 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
95	51146		
174	69.7	0.0	140.0
176	65.7	0.0	135.4





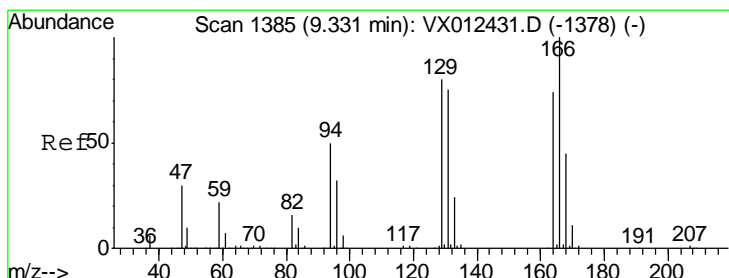
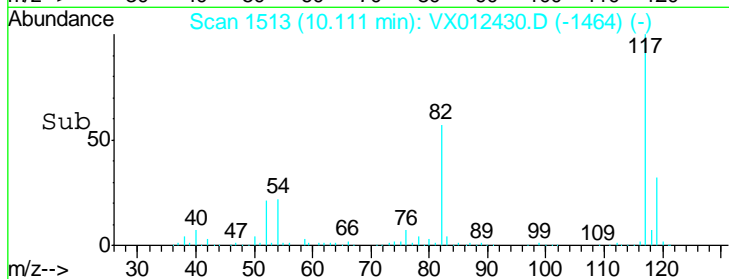
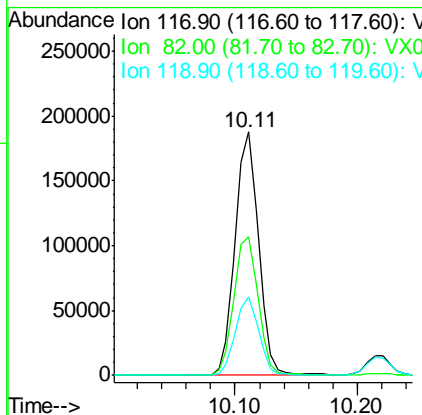
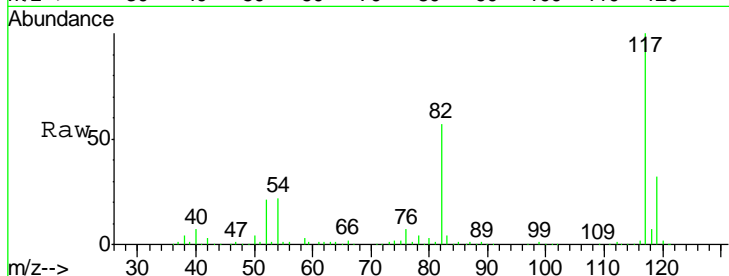
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
117	248804		
117	100		
82	56.9	45.9	68.9
119	32.1	25.3	37.9

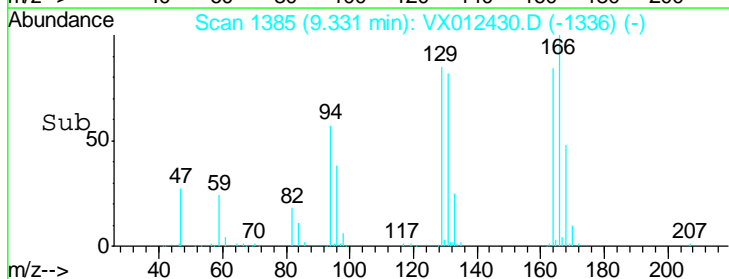
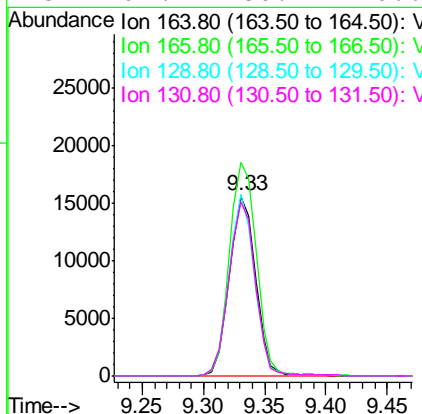
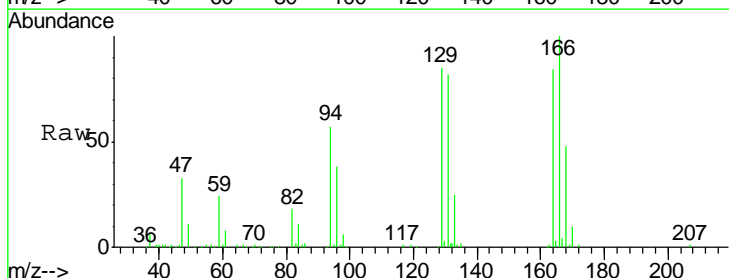
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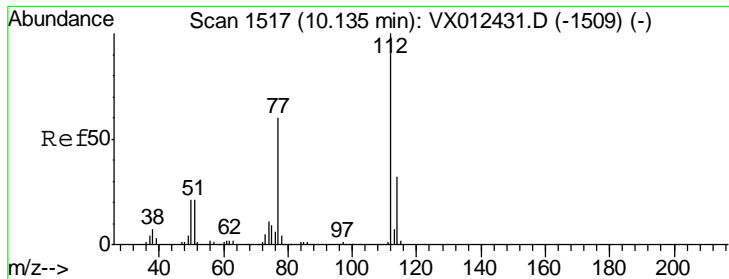
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#64
 Tetrachloroethene
 Concen: 14.786 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
164	23018		
164	100		
166	119.0	107.8	161.6
129	101.5	86.2	129.2
131	97.2	80.4	120.6





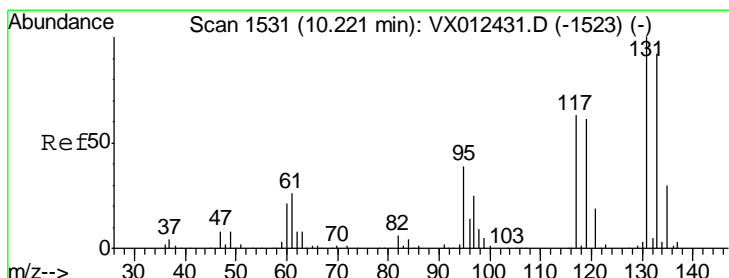
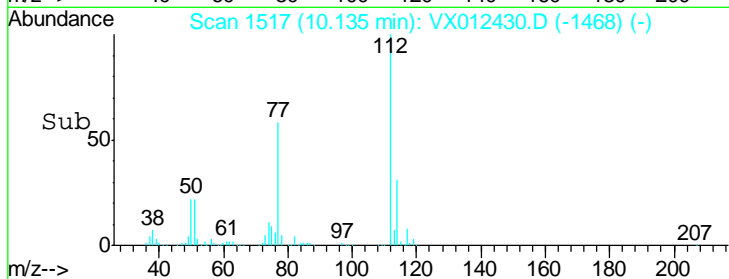
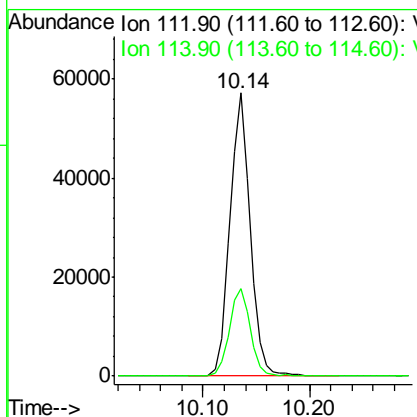
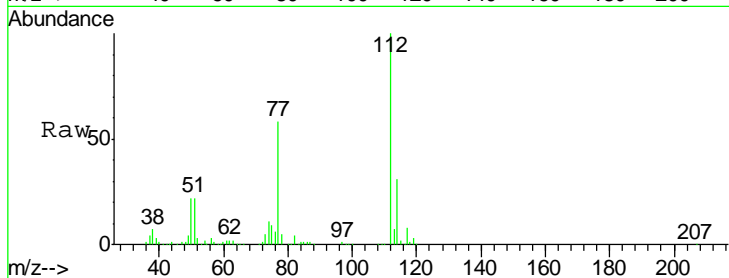
#65
 Chlorobenzene
 Concen: 13.986 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
112	76591		
114	30.9	25.4	38.0

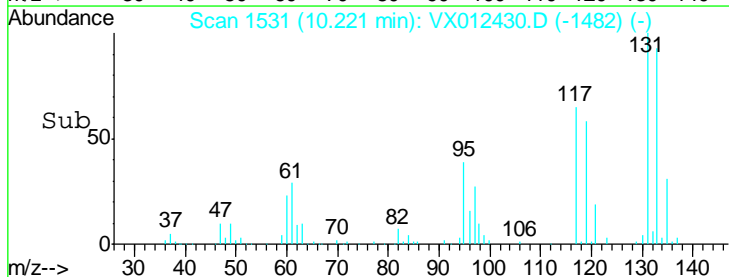
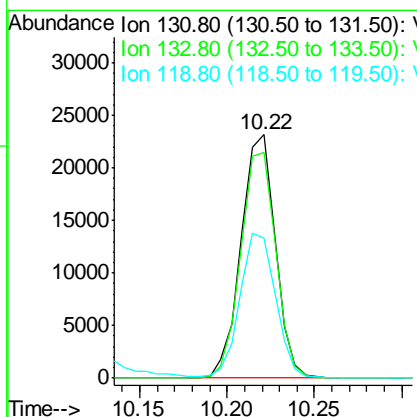
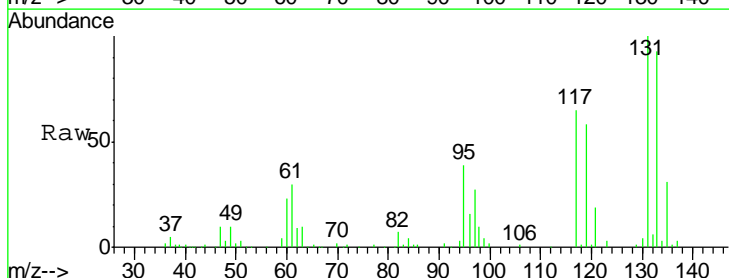
Manual Integrations
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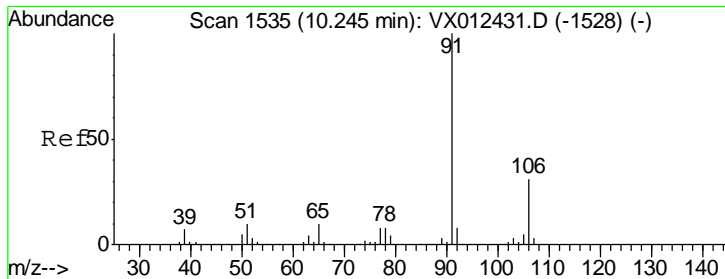
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 13.726 ug/l
 RT: 10.22 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
131	31864		
133	94.9	47.6	142.9
119	62.2	31.3	93.8





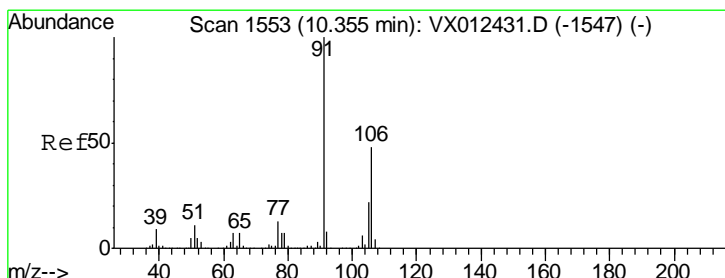
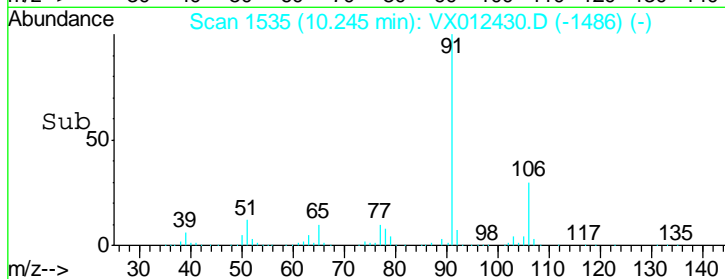
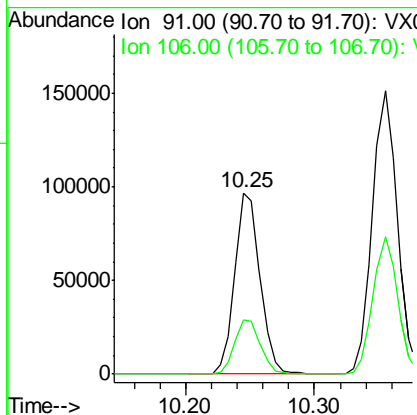
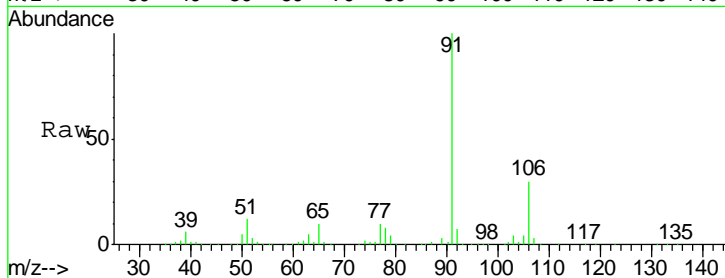
#67
 Ethyl Benzene
 Concen: 14.221 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.0	24.6	37.0

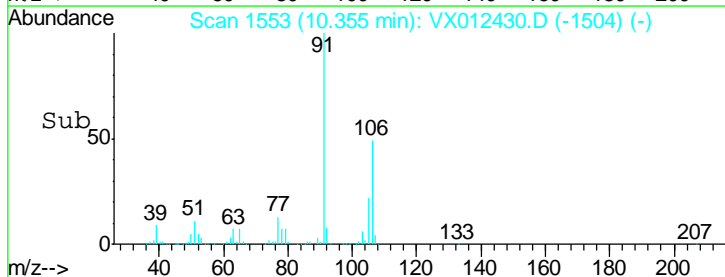
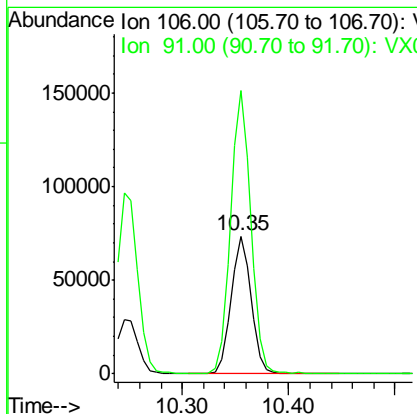
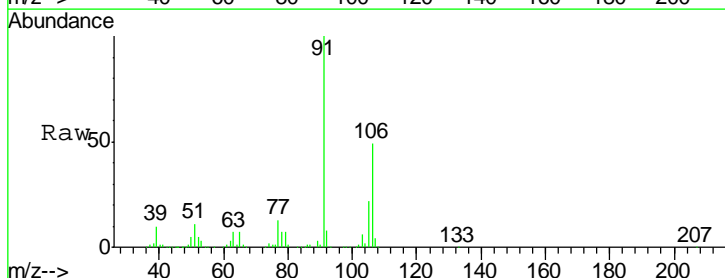
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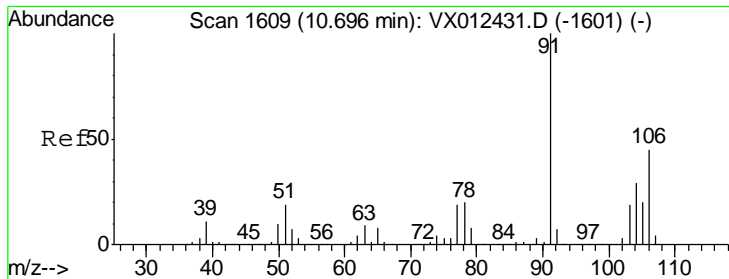
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#68
 m/p-Xylenes
 Concen: 28.352 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
106	100		
91	206.1	166.6	250.0





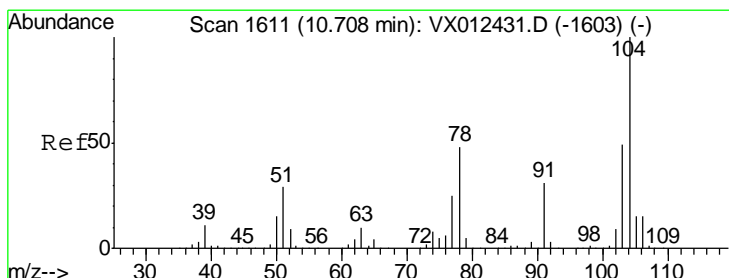
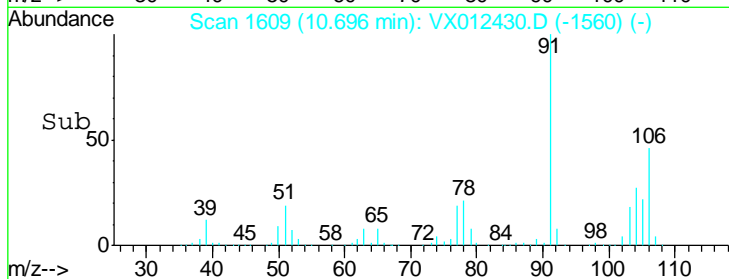
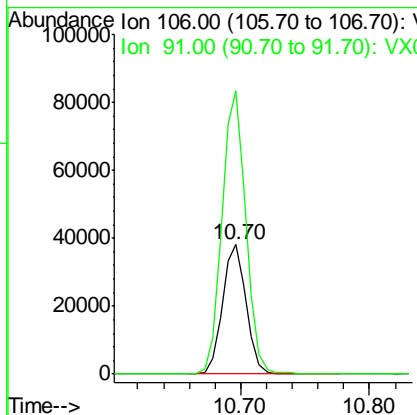
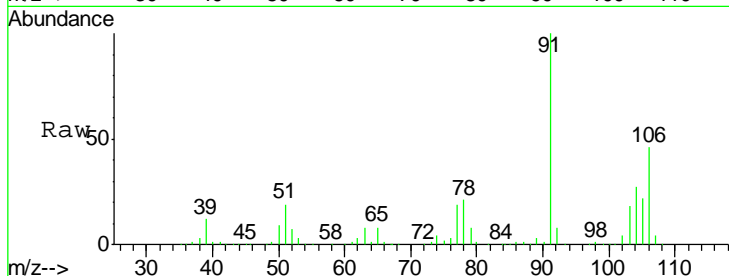
#69
 o-Xylene
 Concen: 13.859 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
106	49658		
106	100		
91	219.5	109.4	328.2

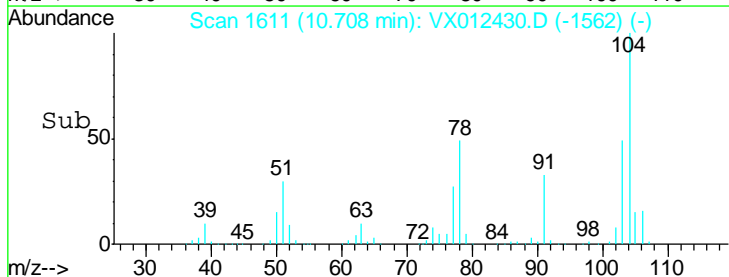
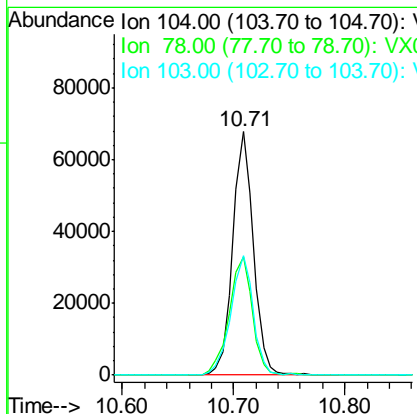
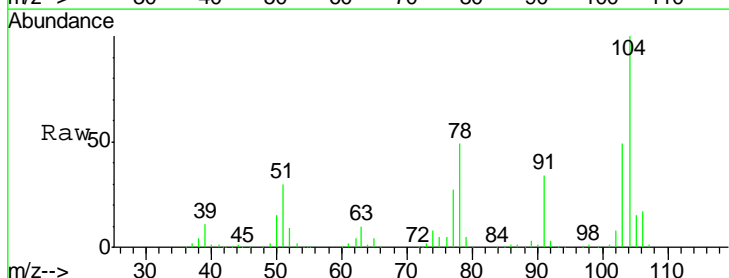
Manual Integrations
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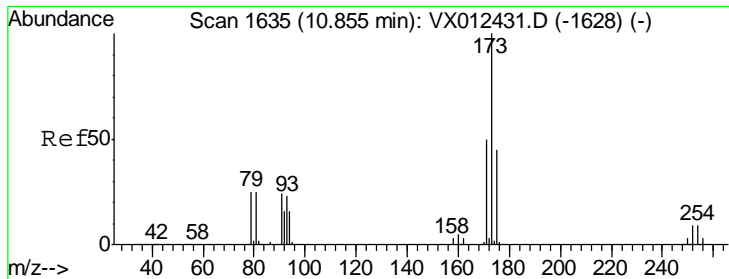
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#70
 Styrene
 Concen: 14.021 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
104	87067		
104	100		
78	54.5	43.4	65.2
103	53.7	43.3	64.9





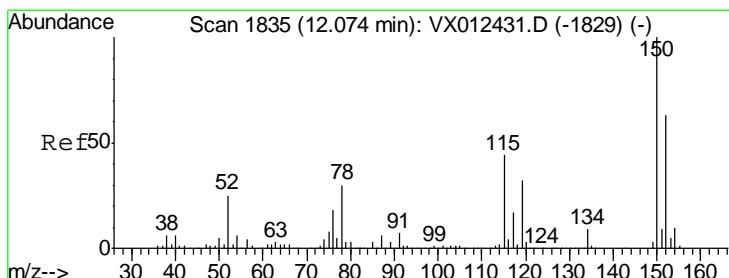
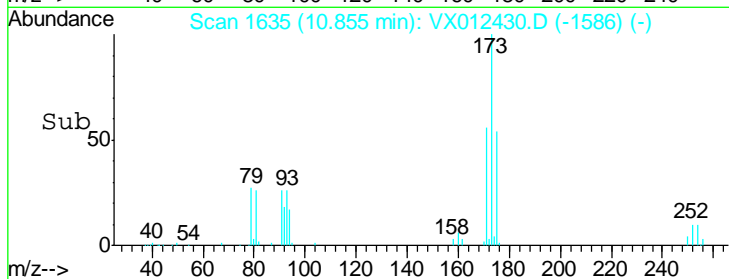
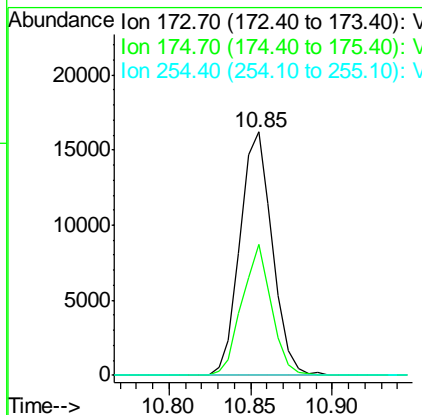
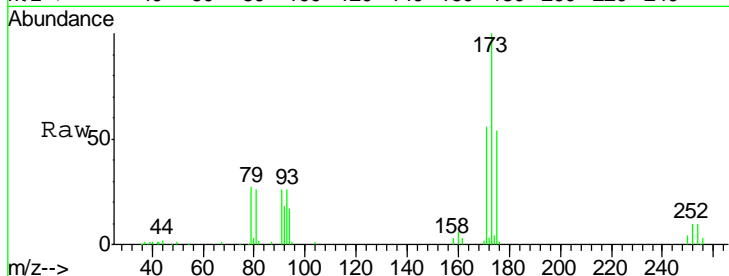
#71
 Bromoform
 Concen: 12.553 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
173	100		
175	49.0	23.7	71.1
254	0.1	0.1	0.1

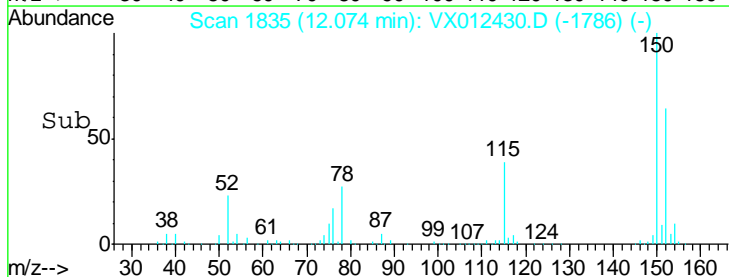
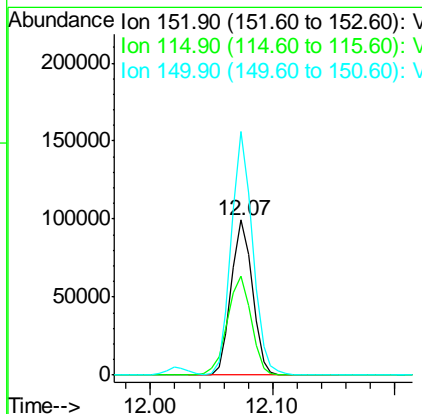
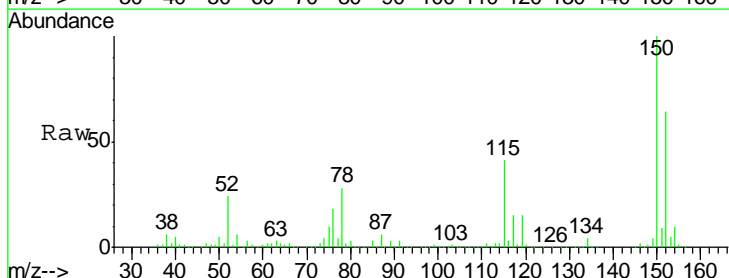
Manual Integrations
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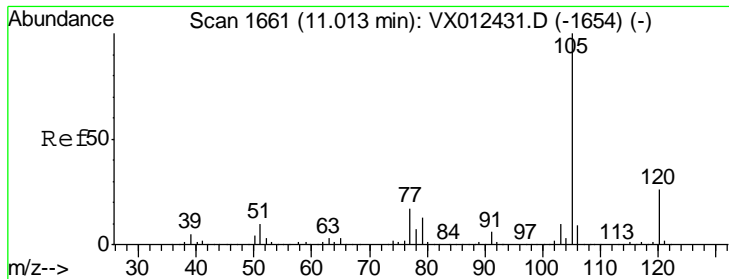
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
152	100		
115	71.7	44.1	132.3
150	158.0	0.0	343.8





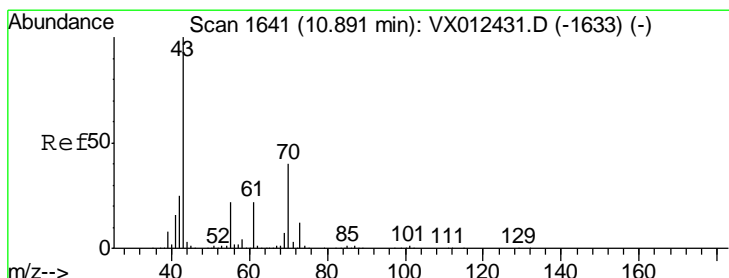
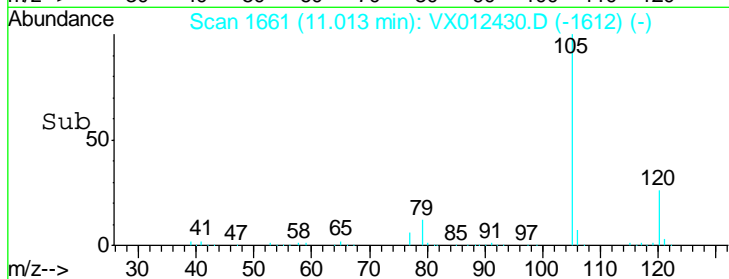
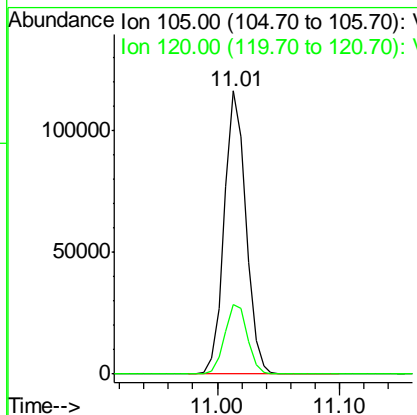
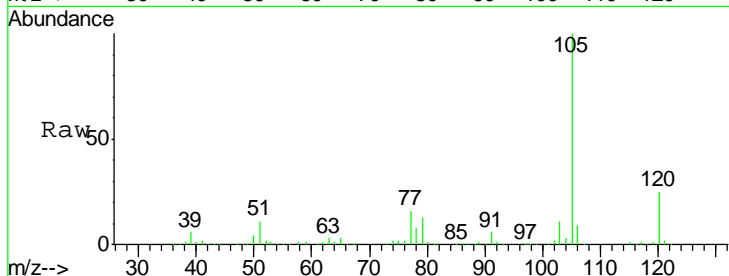
#73
 Isopropylbenzene
 Concen: 17.644 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	142719		
105	100		
120	25.6	12.9	38.7

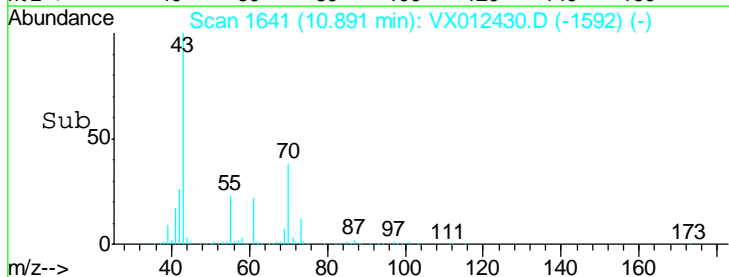
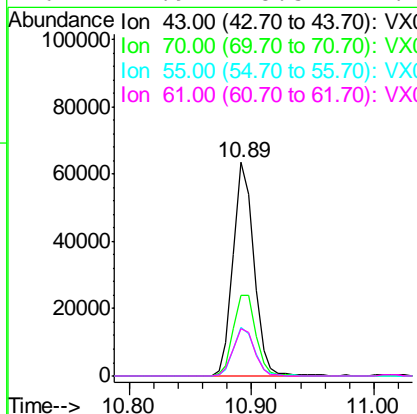
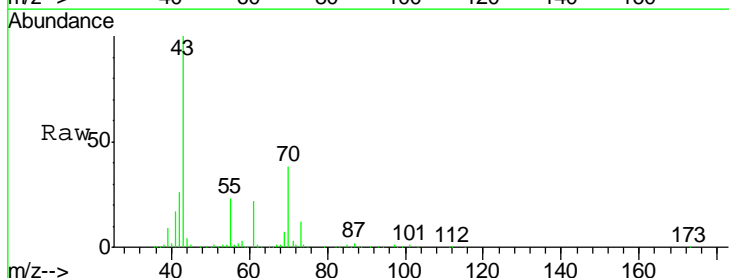
Manual Integrations
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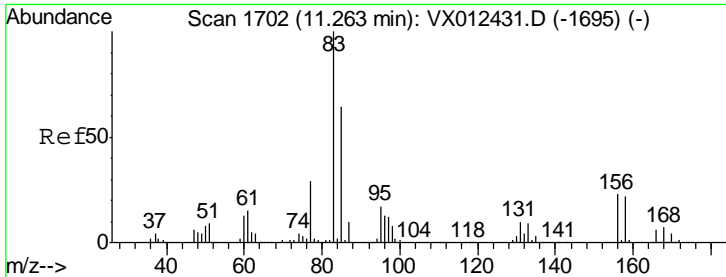
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 9/18/2019 11:22:09 AM



#74
 N-aryl acetate
 Concen: 17.359 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
43	74805		
43	100		
70	41.2	32.4	48.6
55	23.4	18.2	27.4
61	22.9	18.5	27.7





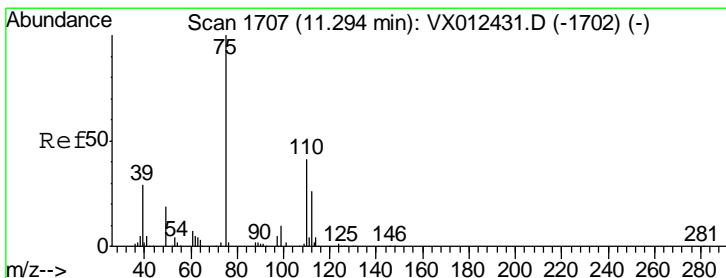
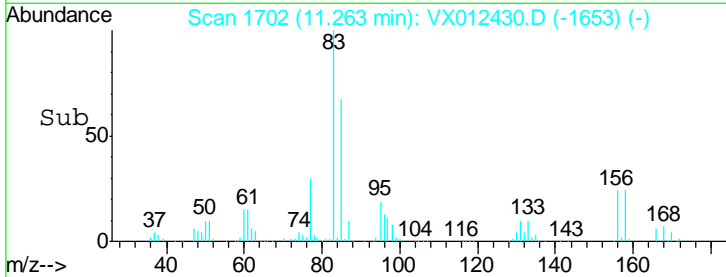
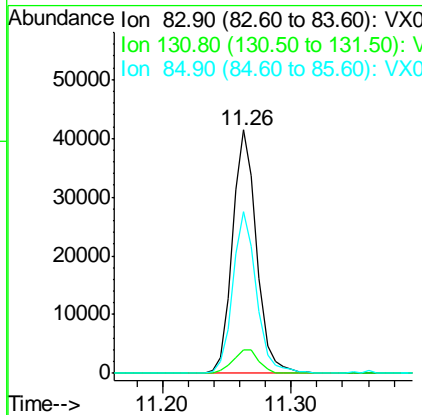
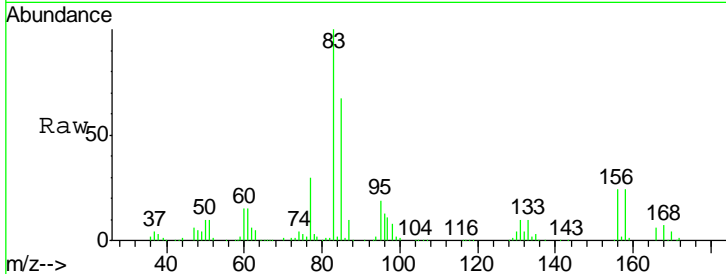
#75
 1,1,2,2-Tetrachloroethane
 Concen: 16.714 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	54165		
83	100		
131	10.6	5.2	15.6
85	65.2	32.0	96.0

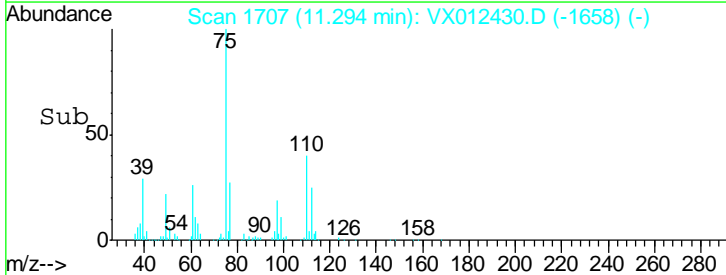
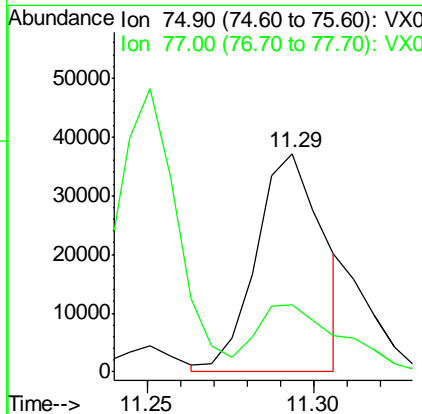
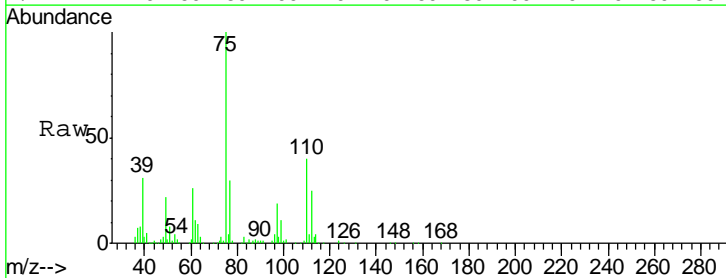
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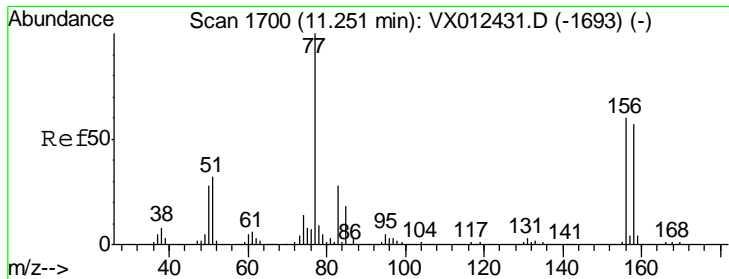
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#76
 1,2,3-Trichloropropane
 Concen: 17.240 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
75	51877		
75	100		
77	38.4	19.7	59.0





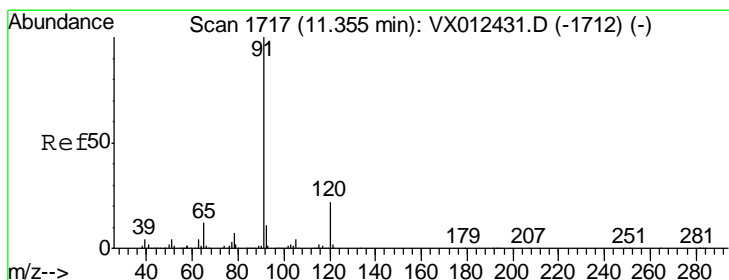
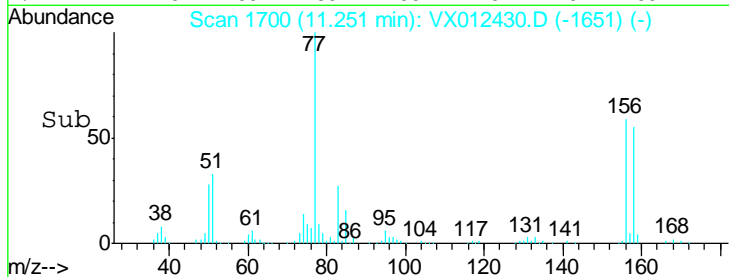
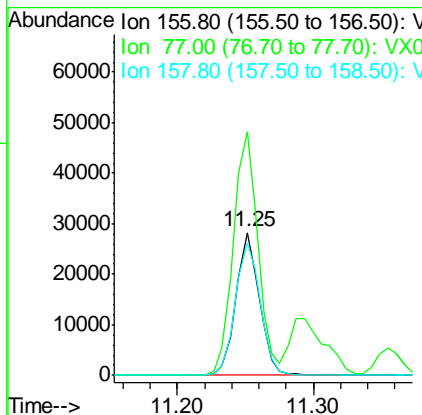
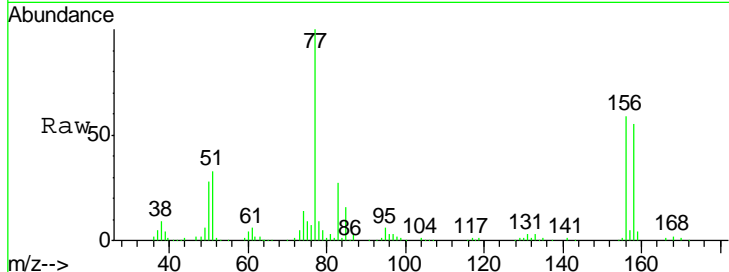
#77
 Bromobenzene
 Concen: 16.376 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	33868		
77	179.8	87.3	261.8
158	98.6	48.5	145.6

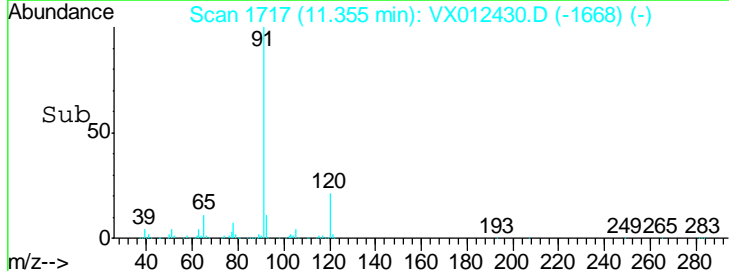
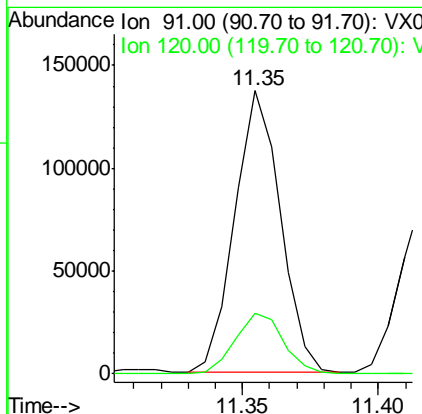
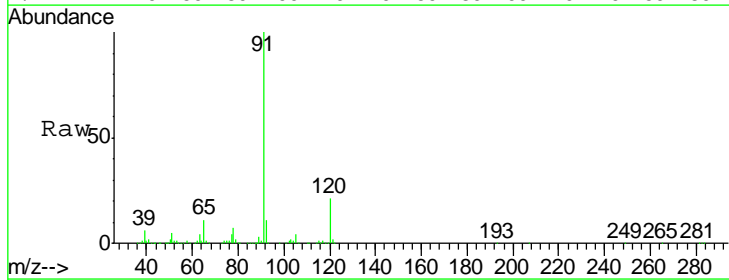
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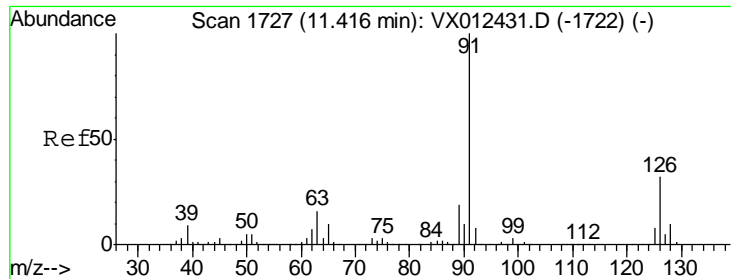
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#78
 n-propylbenzene
 Concen: 17.491 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
91	159768		
120	22.6	11.3	33.8





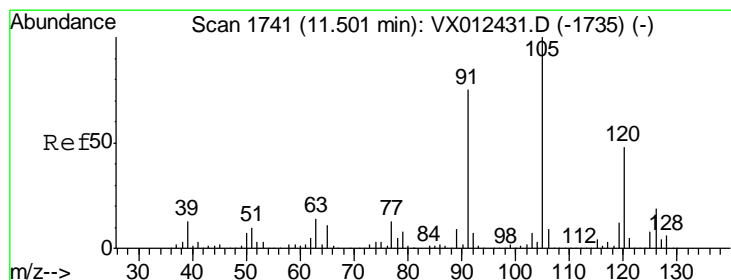
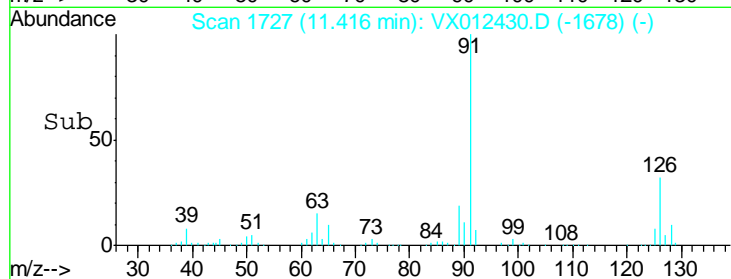
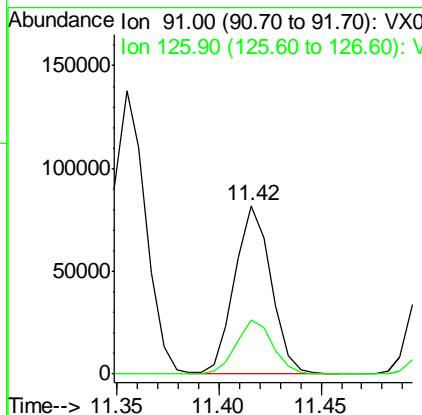
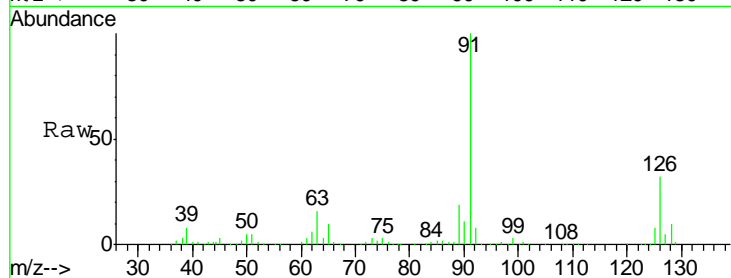
#79
 2-Chlorotoluene
 Concen: 17.293 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	101229		
126	32.1	16.4	49.4

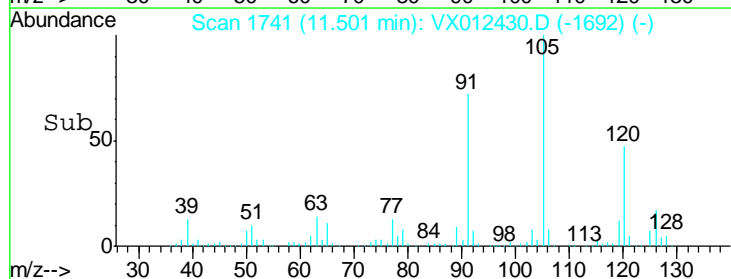
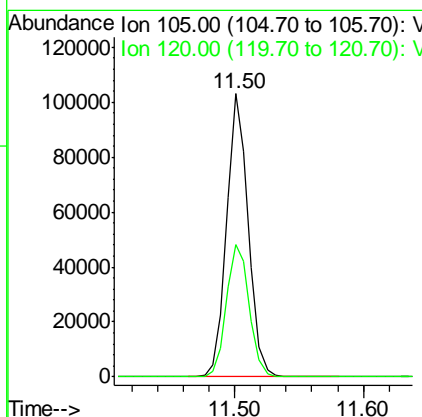
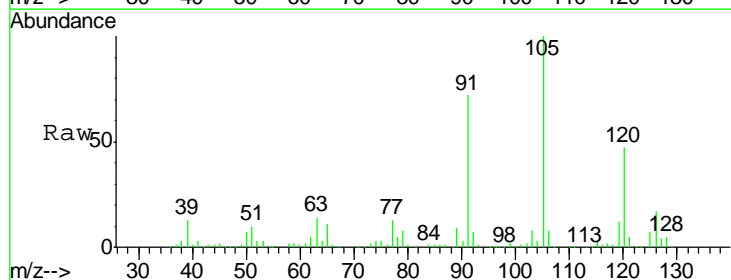
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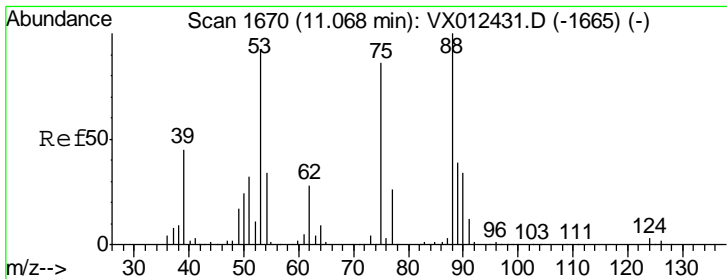
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#80
 1,3,5-Trimethylbenzene
 Concen: 17.344 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
105	121812		
120	49.4	24.3	72.8





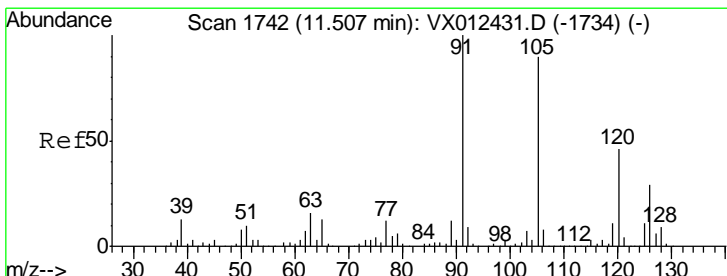
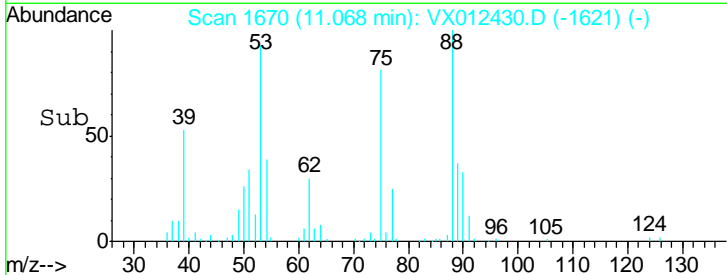
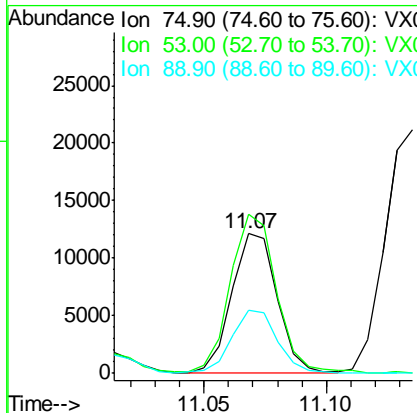
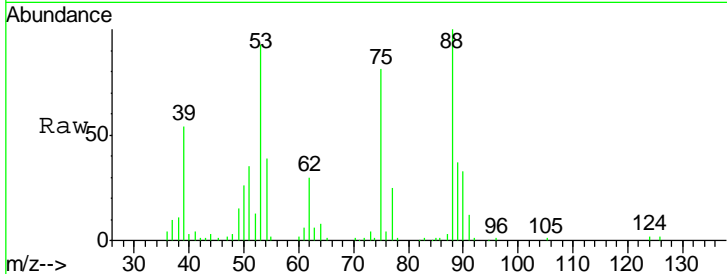
#81
 trans-1,4-Dichloro-2-butene
 Concen: 14.684 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	15641		
75	100		
53	115.0	83.6	125.4
89	46.1	36.3	54.5

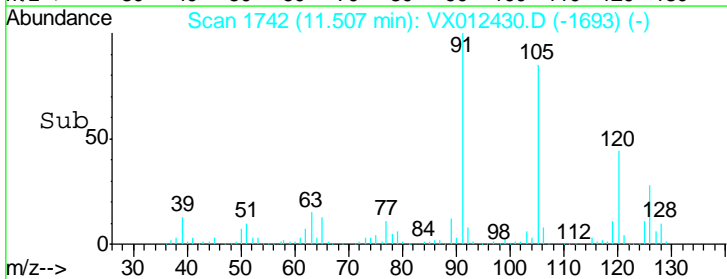
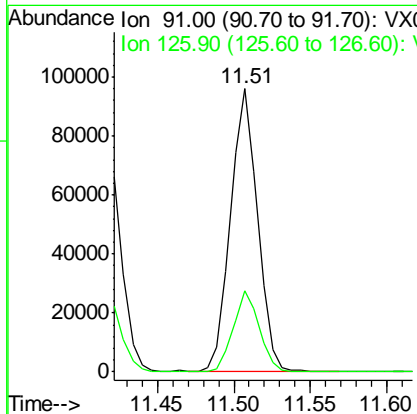
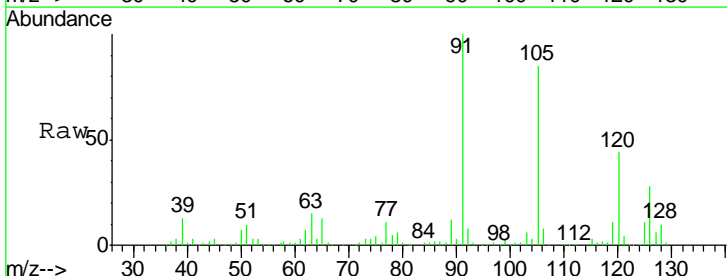
Manual Integrations
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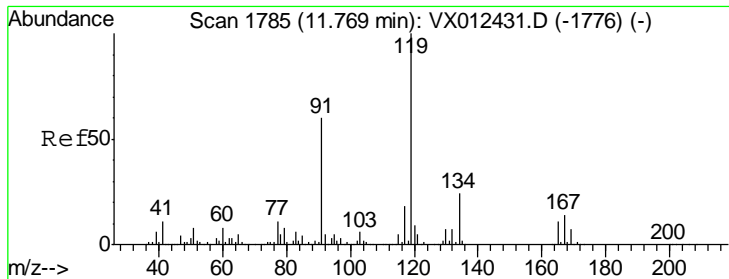
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#82
 4-Chlorotoluene
 Concen: 17.164 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

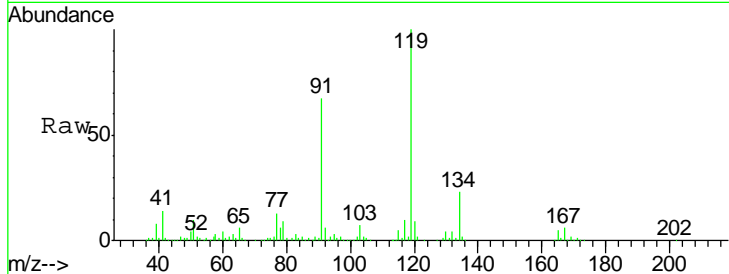
Tgt Ion	Resp	Lower	Upper
91	116991		
91	100		
126	27.7	14.4	43.0





#83
 tert-Butylbenzene
 Concen: 17.111 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

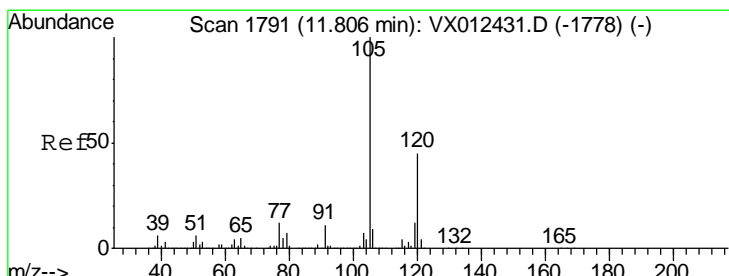
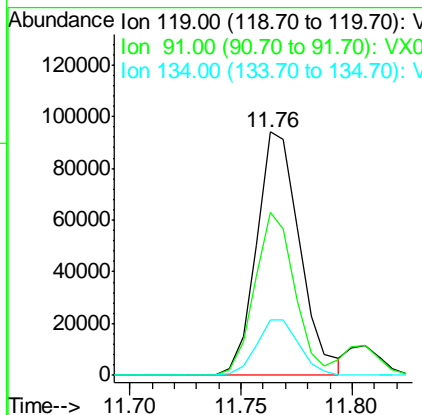
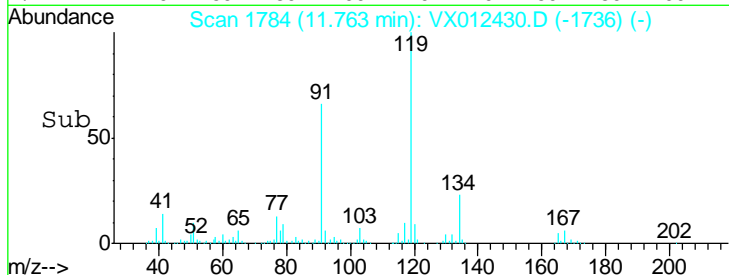
Instrument : MSVOA_X
 Client Sampled : VSTDIC020



Tgt Ion	Resp	Lower	Upper
119	127475		
91	61.5	30.0	90.0
134	22.4	11.3	33.9

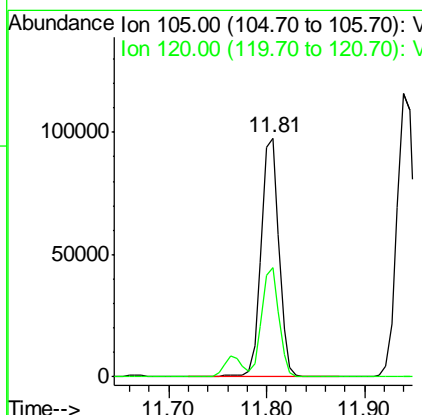
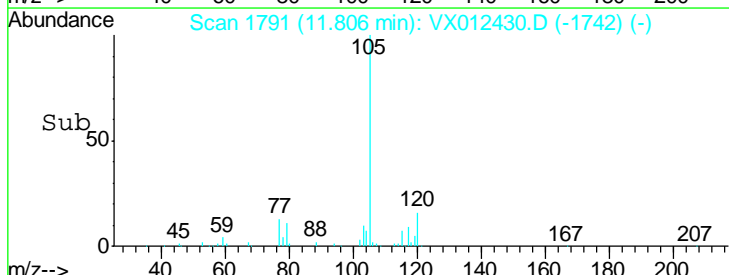
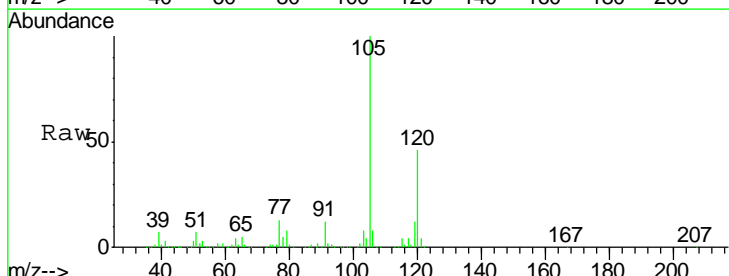
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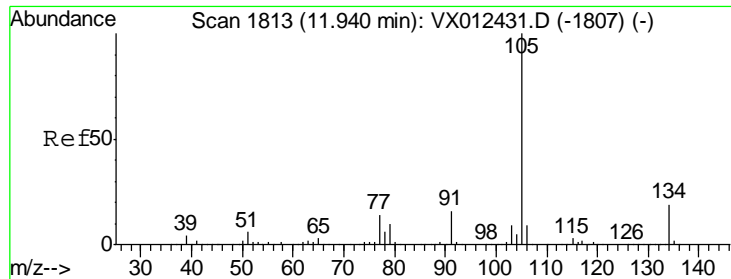
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.462 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
105	124421		
120	44.3	22.2	66.6





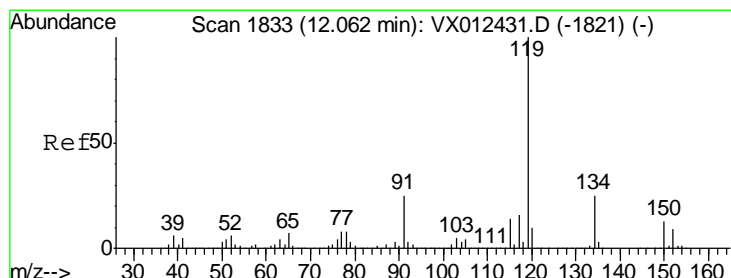
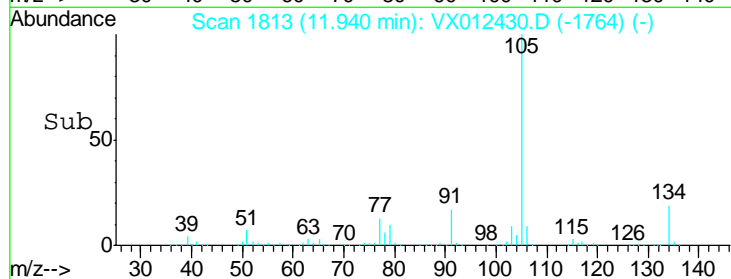
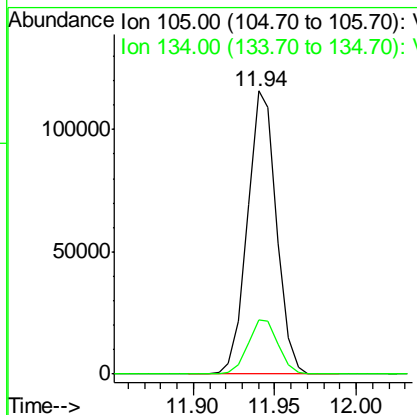
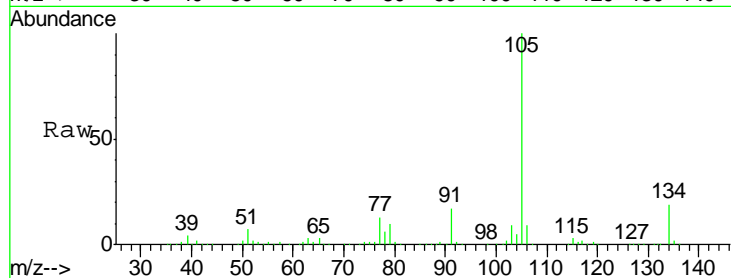
#85
 sec-Butylbenzene
 Concen: 17.402 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	143544		
134	20.0	9.8	29.4

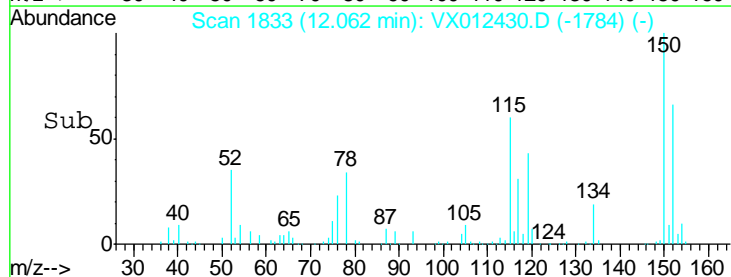
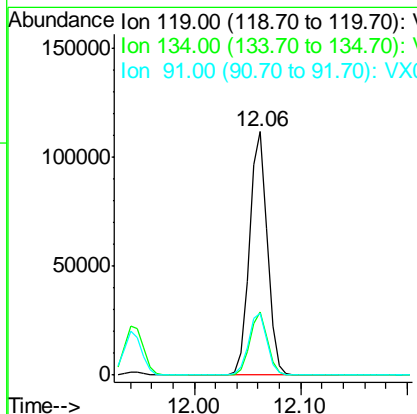
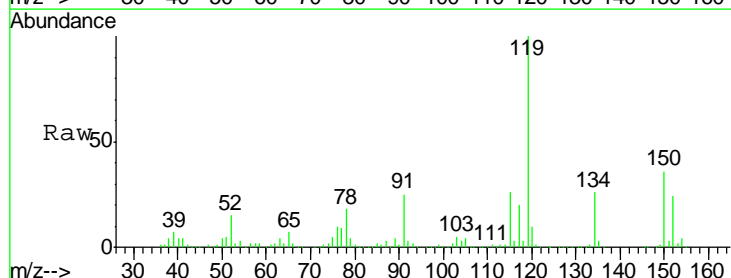
Manual Integrations
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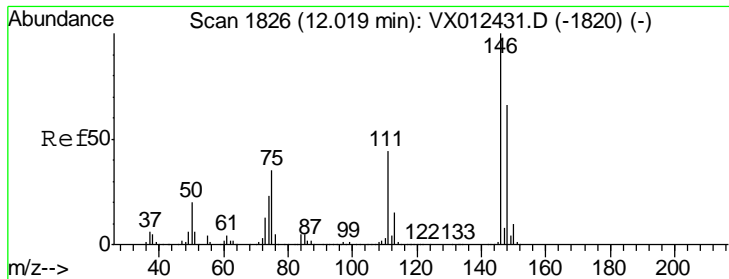
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#86
 p-Isopropyltoluene
 Concen: 17.393 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
119	131233		
134	25.6	12.7	38.1
91	26.4	12.8	38.4





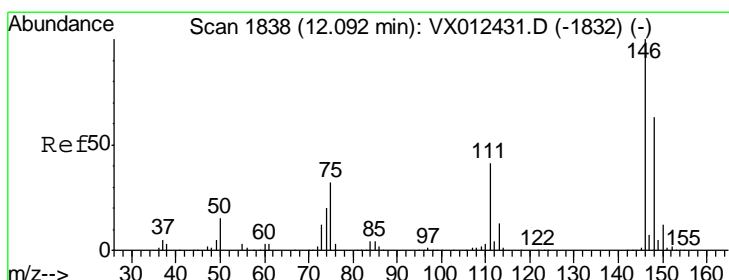
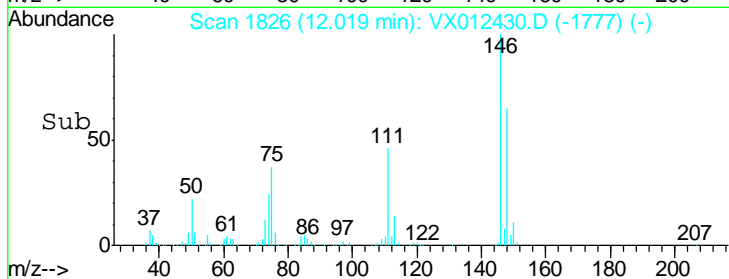
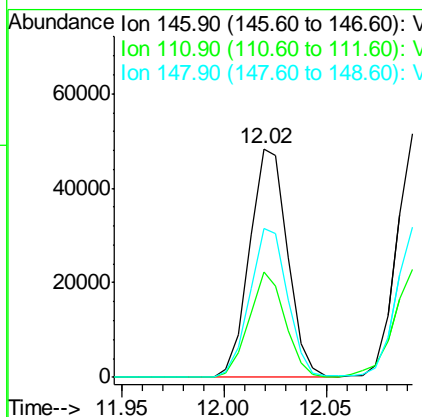
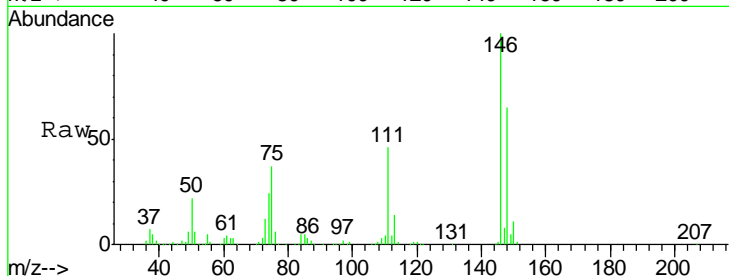
#87
 1,3-Dichlorobenzene
 Concen: 16.148 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	62726		
111	43.9	21.3	64.0
148	65.1	32.4	97.2

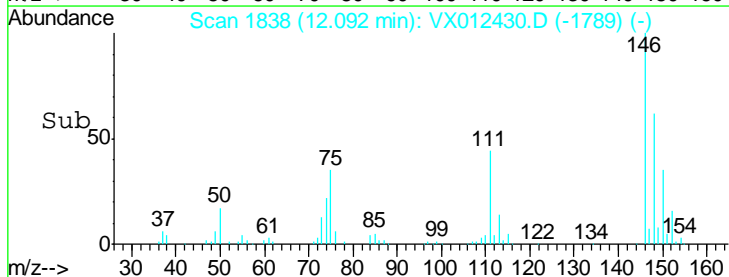
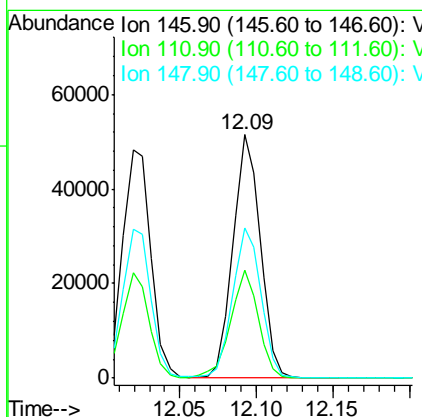
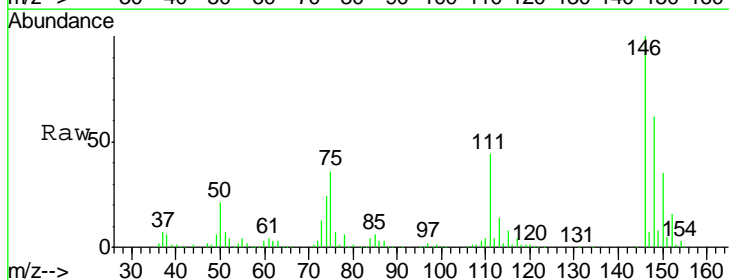
Manual Integrations
 APPROVED

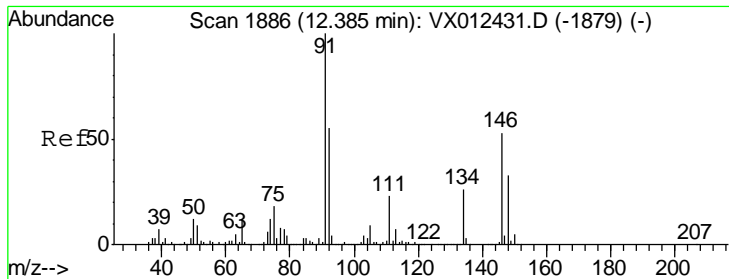
MMDadoda
 9/18/2019 11:22:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 16.270 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Resp	Lower	Upper
146	63811		
111	45.3	21.1	63.3
148	64.1	32.1	96.5





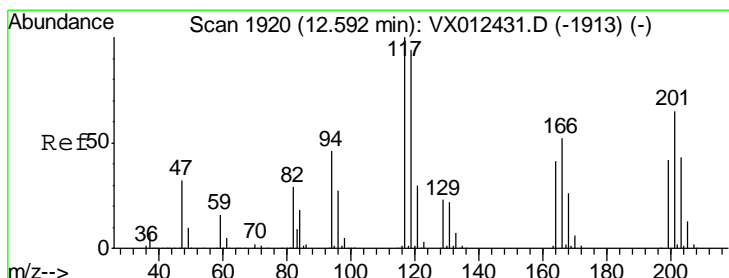
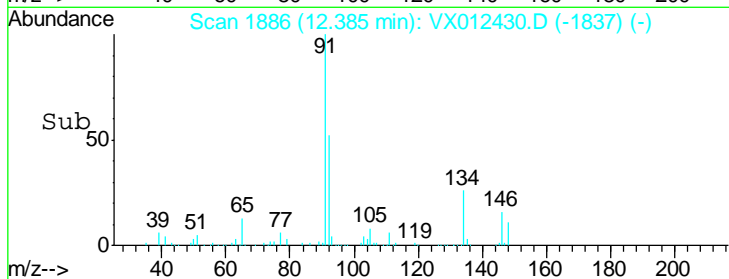
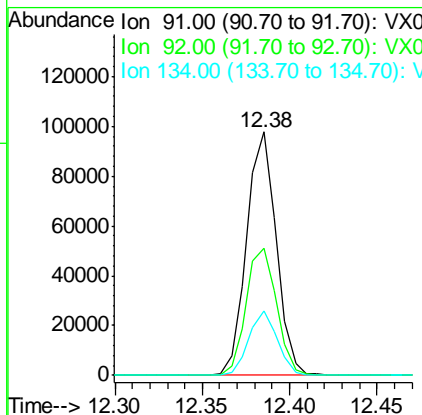
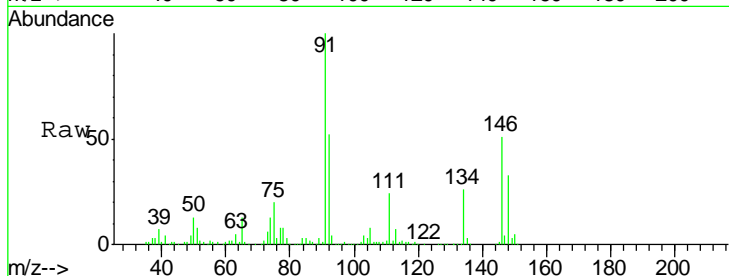
#89
 n-Butylbenzene
 Concen: 17.261 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	115022		
92	54.1	27.7	83.0
134	25.5	12.9	38.6

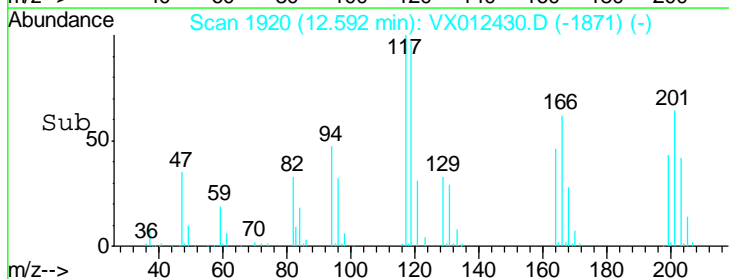
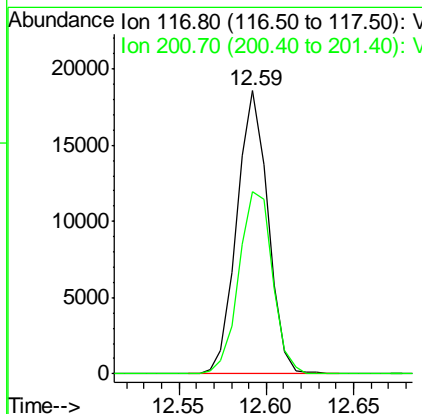
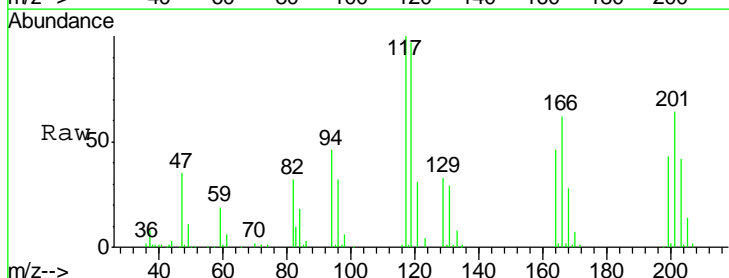
Manual Integrations
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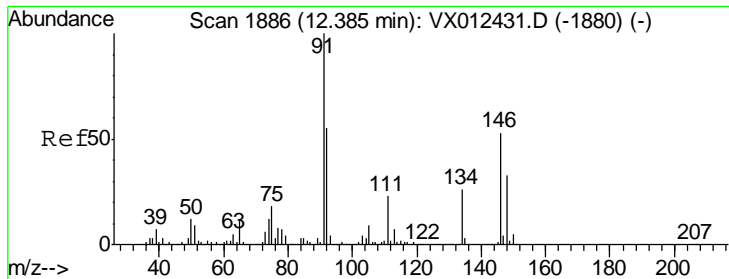
MMDadoda
 9/18/2019 11:22:09 AM



#90
 Hexachloroethane
 Concen: 15.753 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

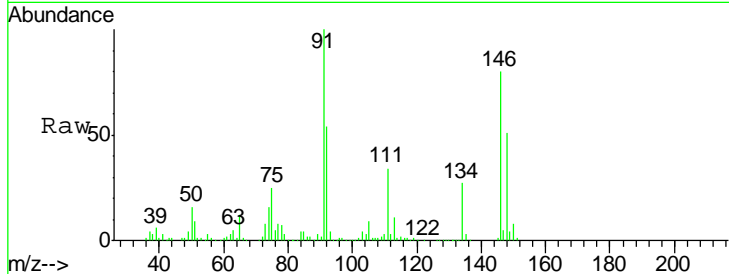
Tgt Ion	Resp	Lower	Upper
117	22938		
201	69.8	33.3	99.8





#91
 1,2-Dichlorobenzene
 Concen: 16.658 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

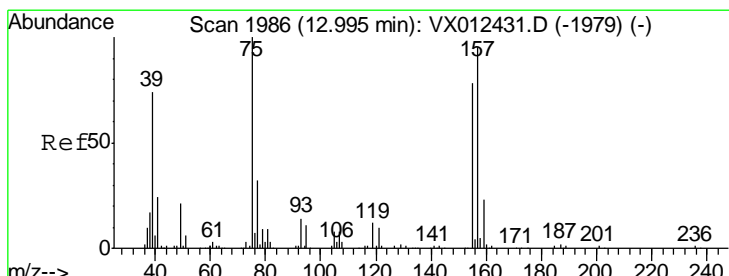
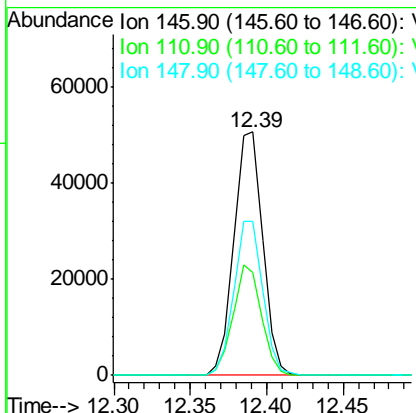
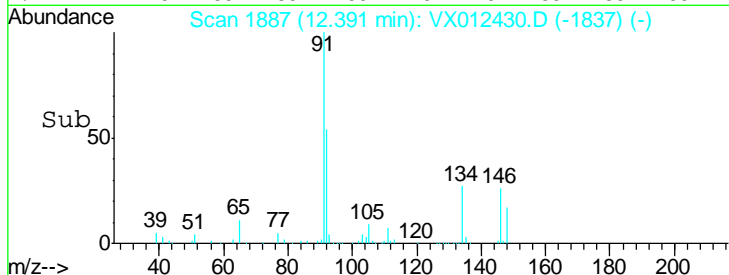
Instrument : MSVOA_X
 ClientSampled : VSTDIC020



Tgt Ion	Resp	Lower	Upper
146	66317		
146	100		
111	44.5	22.1	66.1
148	63.5	31.3	93.9

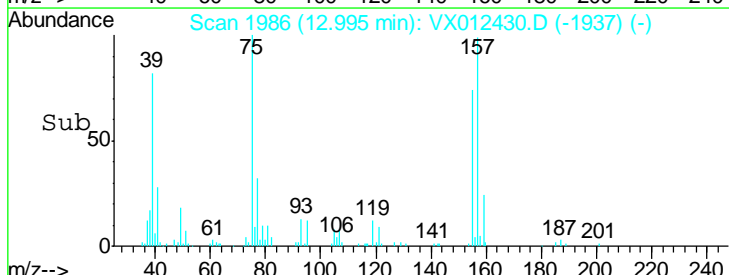
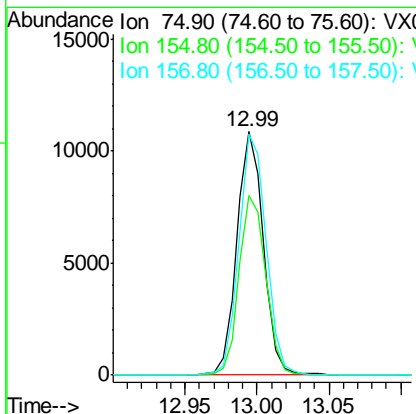
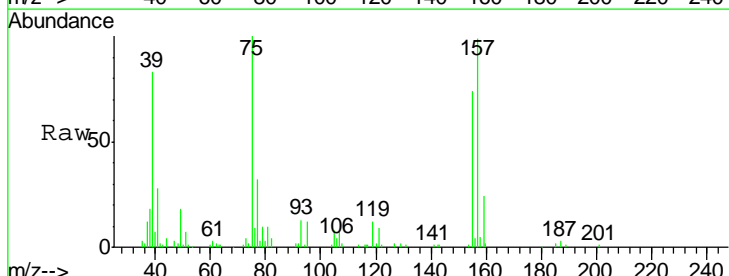
Manual Integrations
 APPROVED

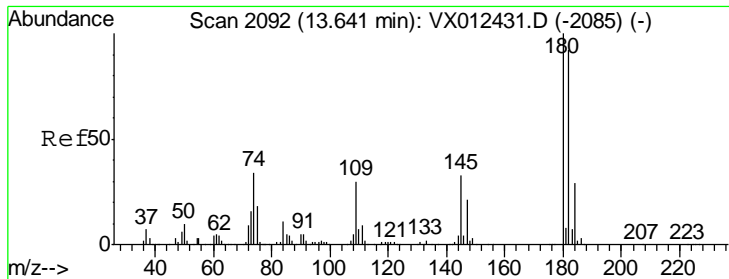
MMDadoda
 9/18/2019 11:22:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.174 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

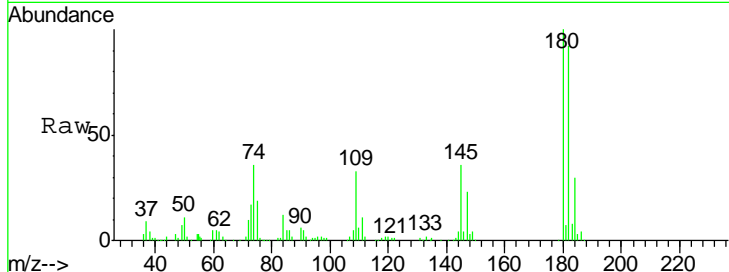
Tgt Ion	Resp	Lower	Upper
75	13872		
75	100		
155	74.2	38.6	115.8
157	101.2	50.6	151.9





#93
 1,2,4-Trichlorobenzene
 Concen: 15.770 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

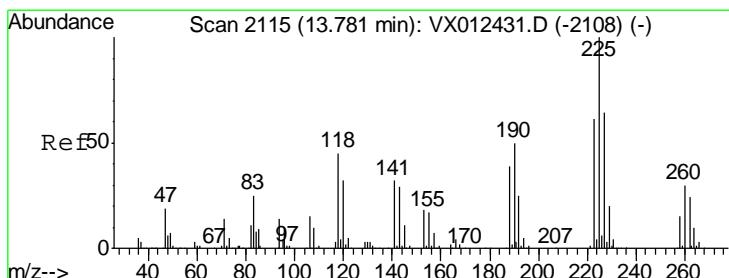
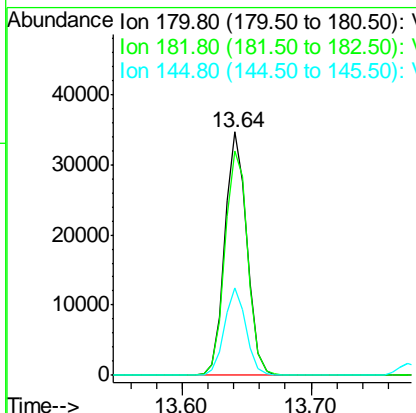
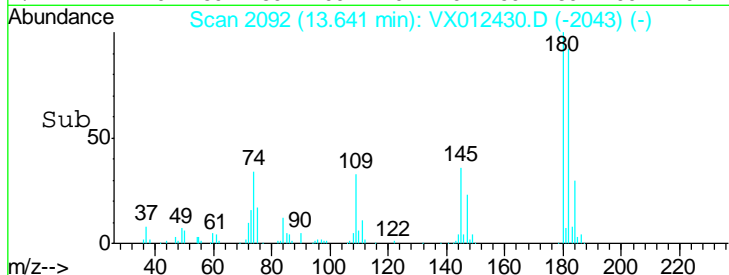


Tgt Ion: 180 Resp: 41886

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.0	141.0
145	35.1	16.8	50.4

Manual Integrations
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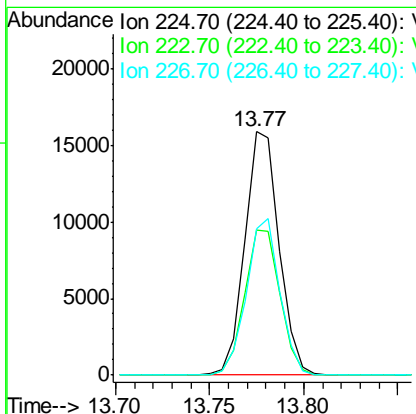
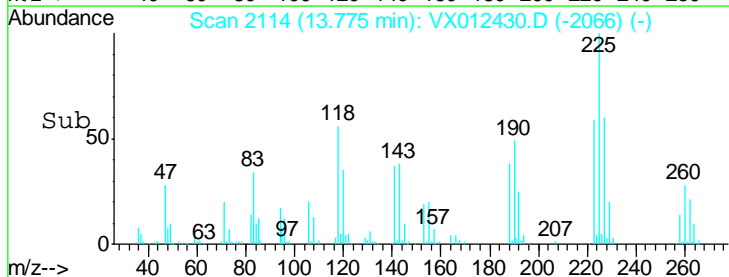
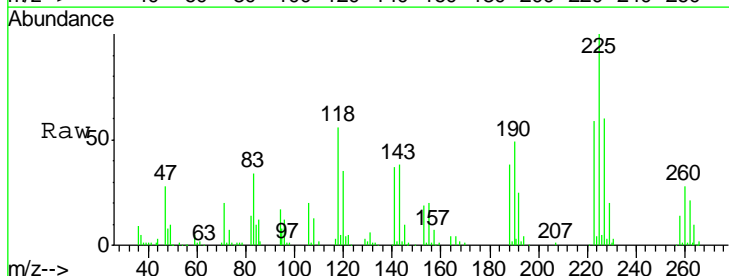
MMDadoda
 9/18/2019 11:22:09 AM

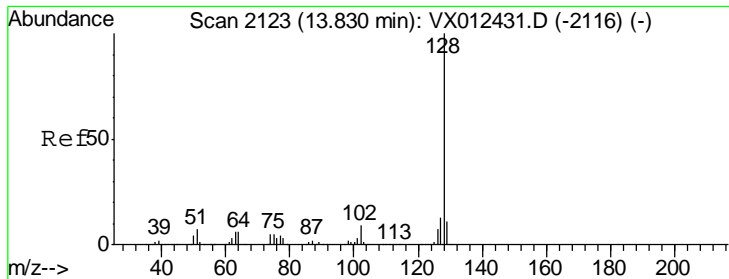


#94
 Hexachlorobutadiene
 Concen: 15.755 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion: 225 Resp: 20006

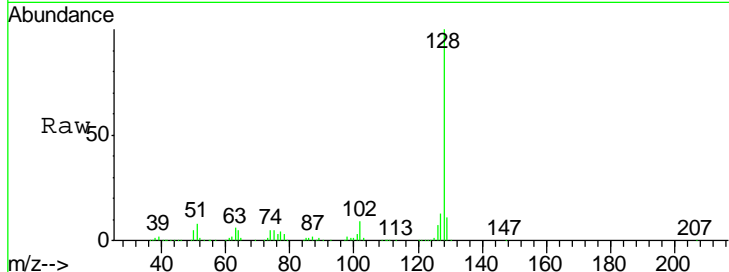
Ion	Ratio	Lower	Upper
225	100		
223	61.6	32.0	96.2
227	62.6	31.9	95.5





#95
 Naphthalene
 Concen: 17.114 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

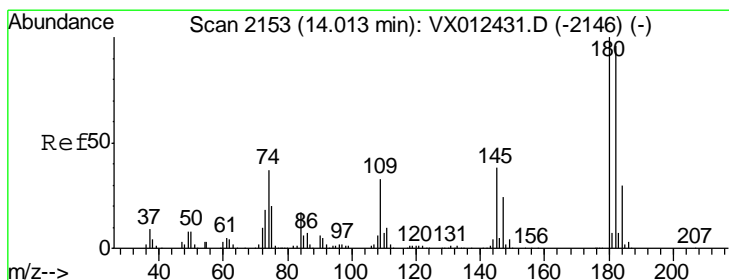
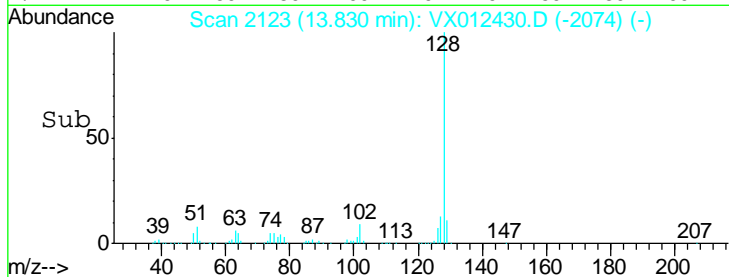
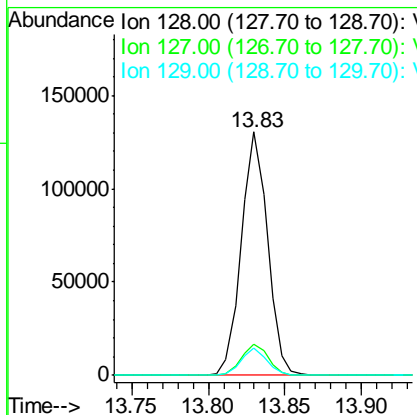


Tgt Ion: 128 Resp: 155248

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
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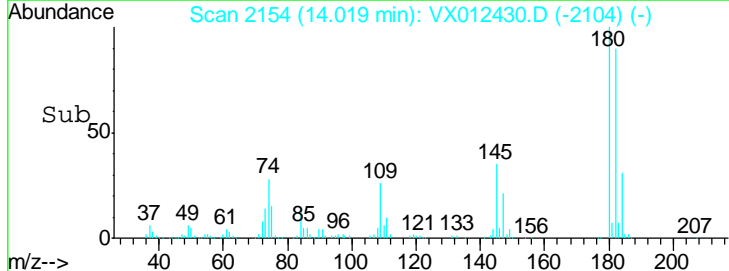
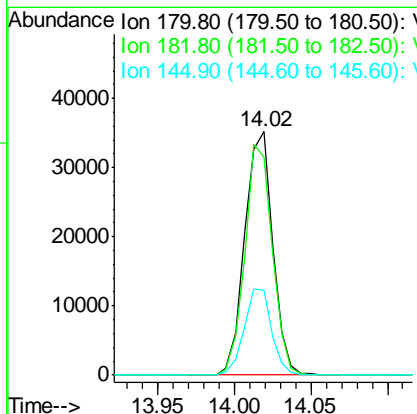
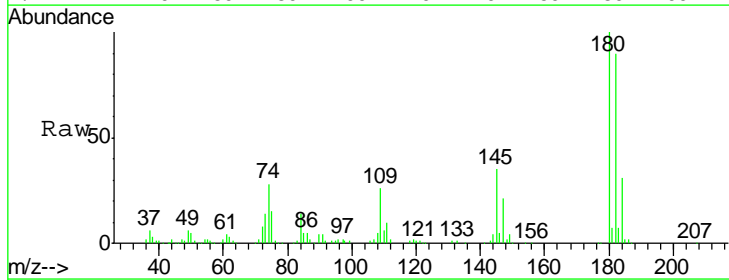
MMDadoda
 9/18/2019 11:22:09 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 16.898 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion: 180 Resp: 44670

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.1	141.3
145	34.7	18.0	54.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012431.D
 Acq On : 17 Sep 2019 13:09
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:13 AM

Quant Time: Sep 17 13:49:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	169846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	285900	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125314	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	111763	34.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.36%	
35) Dibromofluoromethane	5.49	113	80730	31.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.72%	
50) Toluene-d8	8.71	98	297445	33.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.24%	
62) 4-Bromofluorobenzene	11.14	95	122719	32.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	58638	41.469	ug/l	100
3) Chloromethane	1.32	50	49051	40.016	ug/l	100
4) Vinyl Chloride	1.40	62	53465	39.559	ug/l	100
5) Bromomethane	1.62	94	18757	33.197	ug/l	100
6) Chloroethane	1.71	64	37060	41.263	ug/l	100
7) Trichlorofluoromethane	1.92	101	99595	40.338	ug/l	100
8) Diethyl Ether	2.18	74	43251	39.683	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	69019	38.783	ug/l	100
10) Methyl Iodide	2.50	142	56259	34.411	ug/l	100
11) Tert butyl alcohol	3.04	59	158966	191.967	ug/l	100
12) 1,1-Dichloroethene	2.36	96	56423	40.340	ug/l	100
13) Acrolein	2.28	56	50309	146.026	ug/l	100
14) Allyl chloride	2.72	41	132490	40.781	ug/l	100
15) Acrylonitrile	3.13	53	275515	199.278	ug/l	100
16) Acetone	2.44	43	296566	196.664	ug/l	100
17) Carbon Disulfide	2.56	76	75987	41.133	ug/l	100
18) Methyl Acetate	2.76	43	131242	39.592	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	299914	39.481	ug/l	100
20) Methylene Chloride	2.84	84	74021	36.537	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	58509	38.907	ug/l	100
22) Diisopropyl ether	3.84	45	299990	40.235	ug/l	100
23) Vinyl Acetate	3.80	43	1293749	210.346	ug/l	100
24) 1,1-Dichloroethane	3.69	63	146665	39.267	ug/l	100
25) 2-Butanone	4.66	43	430442	202.218	ug/l	100
26) 2,2-Dichloropropane	4.57	77	141299	39.643	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	85364	38.614	ug/l	100
28) Bromochloromethane	5.00	49	69038	36.220	ug/l	100
29) Tetrahydrofuran	5.11	42	250400	203.388	ug/l	100
30) Chloroform	5.20	83	160769	37.347	ug/l	100
31) Cyclohexane	5.57	56	89921	40.151	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	139867	39.230	ug/l	100
36) 1,1-Dichloropropene	5.79	75	91699	36.770	ug/l	100
37) Ethyl Acetate	4.82	43	148378	38.652	ug/l	100
38) Carbon Tetrachloride	5.78	117	114214	37.826	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012431.D
 Acq On : 17 Sep 2019 13:09
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Manual Integrations
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MMDadoda
 9/18/2019 11:22:13 AM

Quant Time: Sep 17 13:49:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94033	39.445	ug/l	100
40) Benzene	6.13	78	290307	38.009	ug/l	100
41) Methacrylonitrile	5.03	41	88296	40.374	ug/l	100
42) 1,2-Dichloroethane	6.18	62	131789	37.783	ug/l	100
43) Isopropyl Acetate	6.43	43	254492	38.542	ug/l	100
44) Trichloroethene	7.20	130	77650	37.868	ug/l	100
45) 1,2-Dichloropropane	7.51	63	87236	37.128	ug/l	100
46) Dibromomethane	7.65	93	57034	36.555	ug/l	100
47) Bromodichloromethane	7.89	83	130510	37.563	ug/l	100
48) Methyl methacrylate	7.76	41	120843	41.221	ug/l	100
49) 1,4-Dioxane	7.73	88	56687	757.886	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	835022	195.485	ug/l	100
52) Toluene	8.78	92	189306	38.132	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	138865	38.518	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	143877	38.557	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	94215	35.859	ug/l	100
56) Ethyl methacrylate	9.17	69	152884	38.720	ug/l	100
57) 1,3-Dichloropropane	9.37	76	153502	36.911	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	382766	181.871	ug/l	100
59) 2-Hexanone	9.49	43	655564	198.526	ug/l	100
60) Dibromochloromethane	9.58	129	103431	38.549	ug/l	100
61) 1,2-Dibromoethane	9.67	107	91301	37.898	ug/l	100
64) Tetrachloroethene	9.33	164	62520	38.852	ug/l	100
65) Chlorobenzene	10.14	112	219578	38.789	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	94488	39.375	ug/l	100
67) Ethyl Benzene	10.25	91	391752	40.433	ug/l	100
68) m/p-Xylenes	10.35	106	285815	80.068	ug/l	100
69) o-Xylene	10.70	106	146965	39.679	ug/l	100
70) Styrene	10.71	104	263107	40.991	ug/l	100
71) Bromoform	10.85	173	73558	39.959	ug/l	100
73) Isopropylbenzene	11.01	105	417072	48.967	ug/l	100
74) N-amyl acetate	10.89	43	228932	50.449	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	161513	47.330	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	155802m	49.170	ug/l	
77) Bromobenzene	11.25	156	100803	46.287	ug/l	100
78) n-propylbenzene	11.35	91	470064	48.870	ug/l	100
79) 2-Chlorotoluene	11.42	91	292486	47.451	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	359293	48.581	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	53075	47.319	ug/l	100
82) 4-Chlorotoluene	11.51	91	343100	47.802	ug/l	100
83) tert-Butylbenzene	11.77	119	375613	47.880	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	366270	48.817	ug/l	100
85) sec-Butylbenzene	11.94	105	424106	48.827	ug/l	100
86) p-Isopropyltoluene	12.06	119	392359	49.384	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	188493	46.082	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	192140	46.524	ug/l	100
89) n-Butylbenzene	12.38	91	348059	49.603	ug/l	100
90) Hexachloroethane	12.59	117	73442	47.899	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	199128	47.500	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	44165	48.902	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012431.D
 Acq On : 17 Sep 2019 13:09
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:13 AM

Quant Time: Sep 17 13:49:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	133828	47.851	ug/l	100
94) Hexachlorobutadiene	13.78	225	59672	44.626	ug/l	100
95) Naphthalene	13.83	128	487902	51.078	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	135937	48.834	ug/l	100

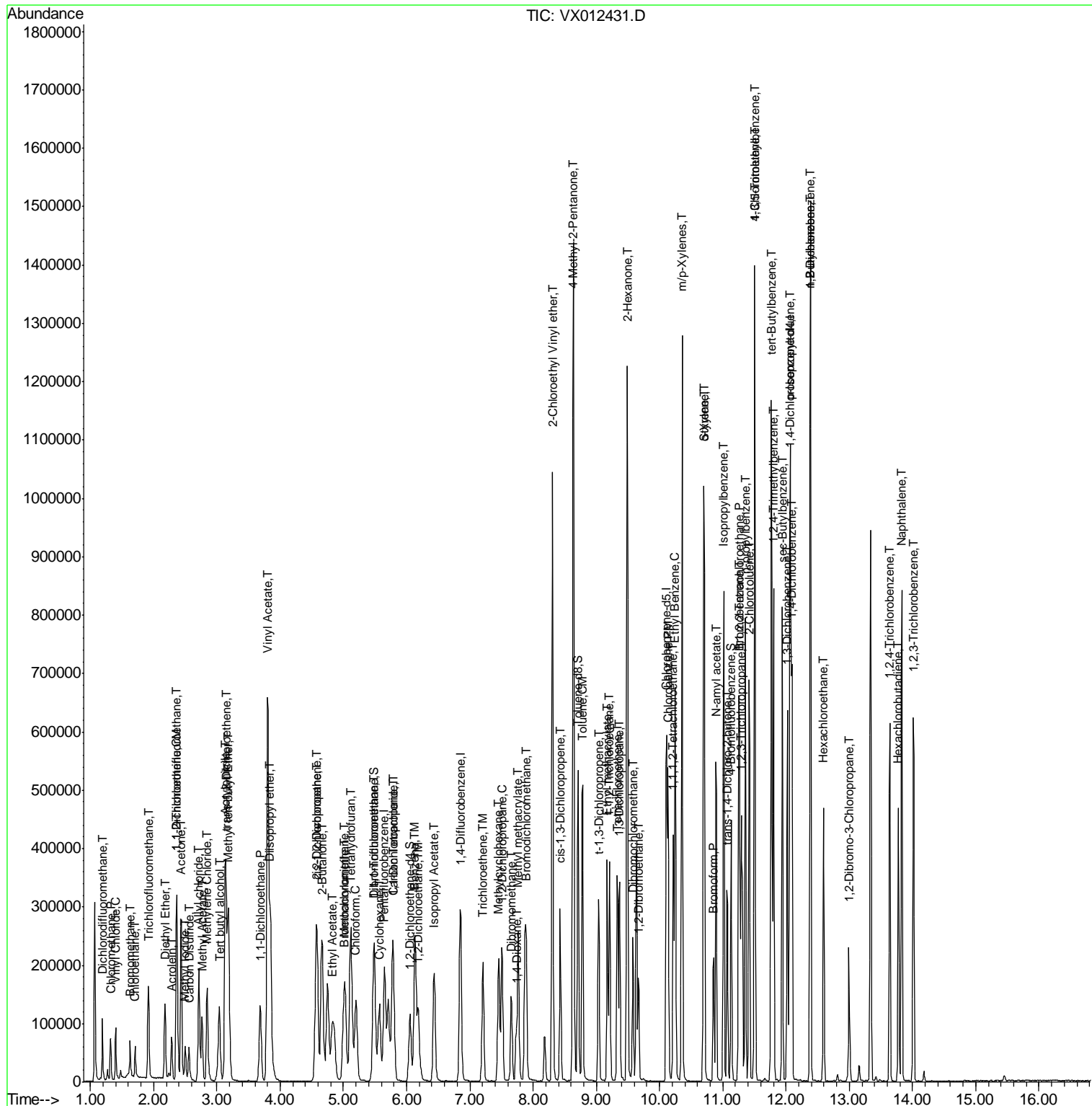
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
Data File : VX012431.D
Acq On : 17 Sep 2019 13:09
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

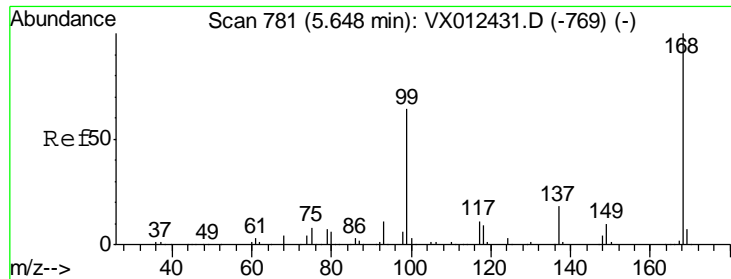
Instrument :
MSVOA_X
Client Sampled :
VSTDICCC050

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Quant Time: Sep 17 13:49:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 13:36:19 2019
Response via : Initial Calibration



- 1
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- 17
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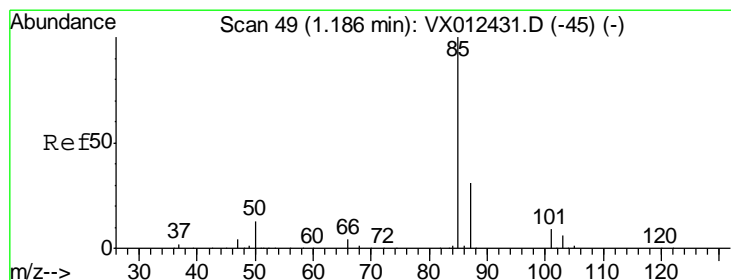
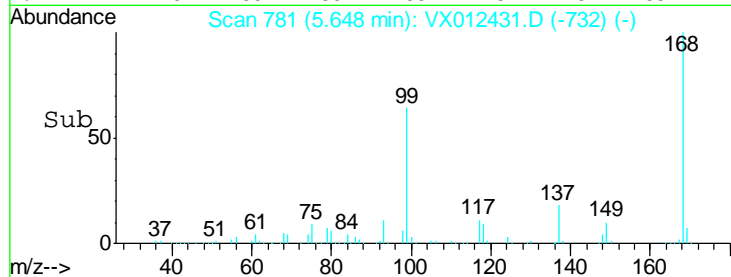
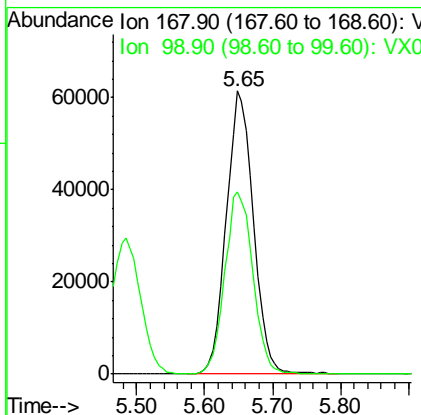
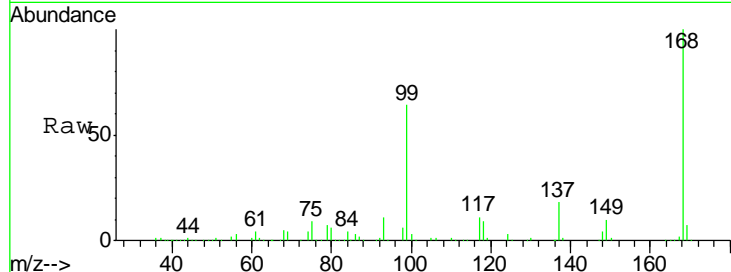
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
168	100		
99	64.3	51.4	77.2

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

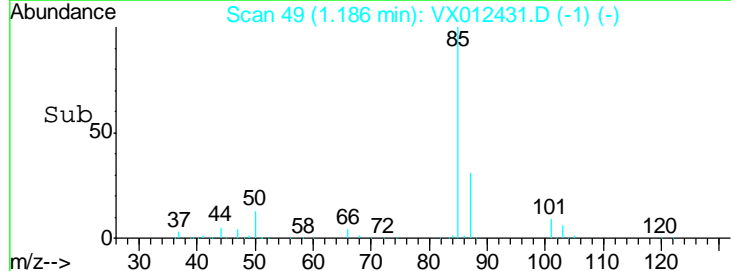
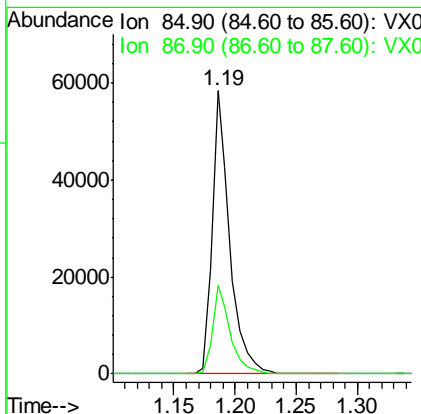
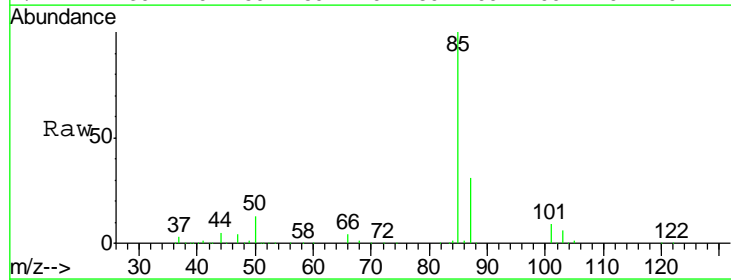
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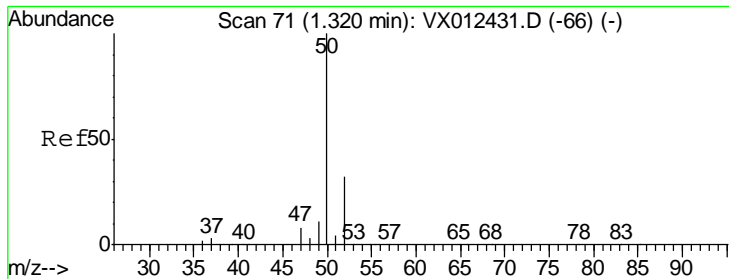
MMDadoda
 9/18/2019 11:22:13 AM



#2
 Dichlorodifluoromethane
 Concen: 41.469 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.2	15.6	46.8



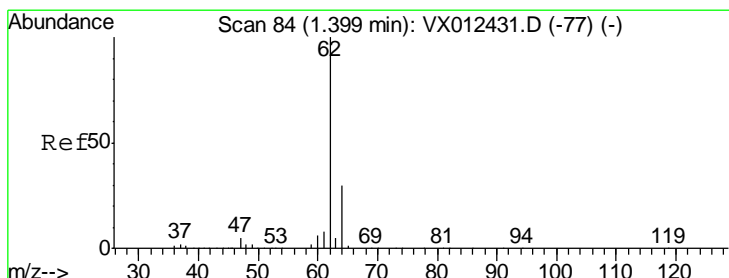
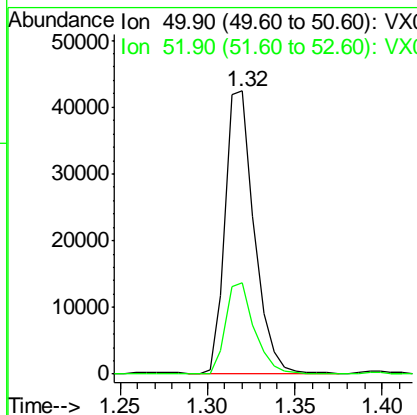
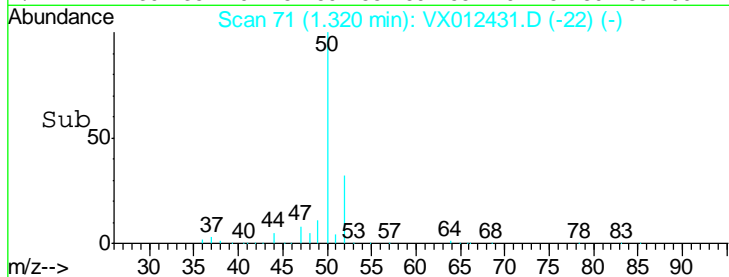
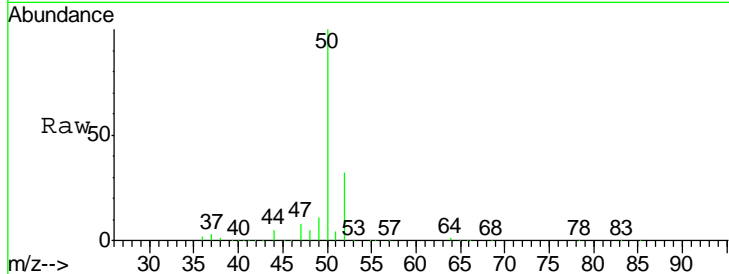


#3
 Chloromethane
 Concen: 40.016 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
50	49051		
52	32.1	25.7	38.5

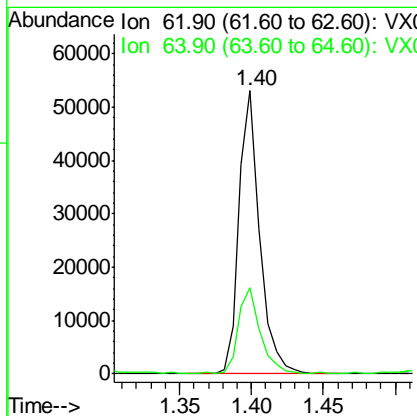
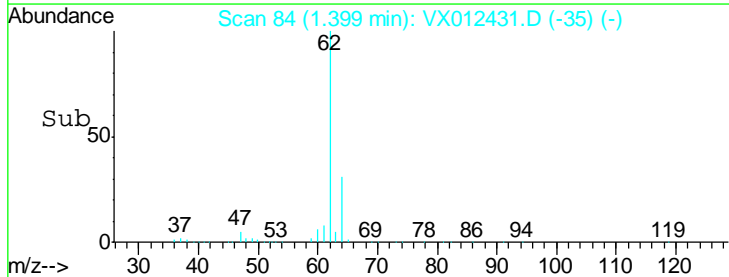
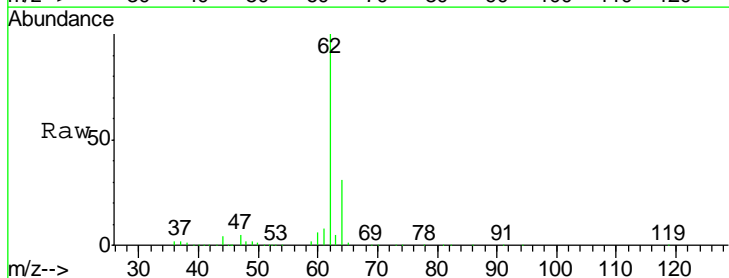
Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

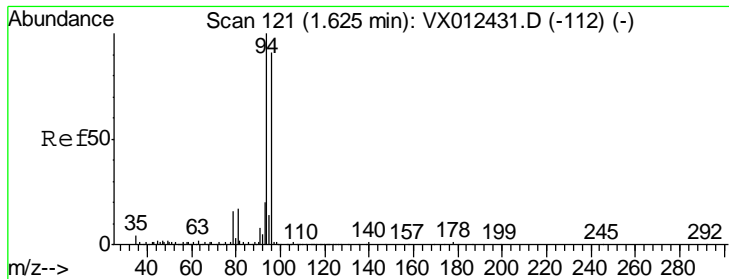
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#4
 Vinyl Chloride
 Concen: 39.559 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
62	53465		
64	30.2	24.2	36.2





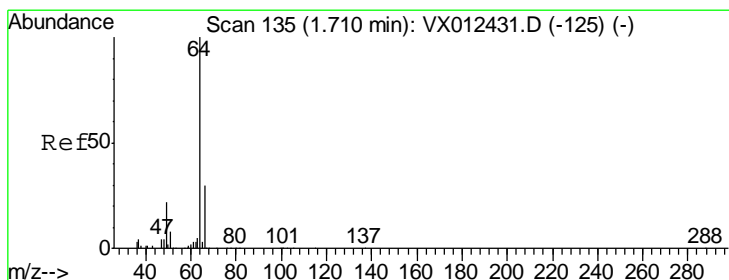
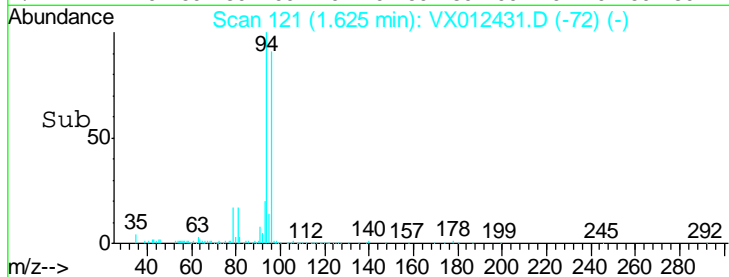
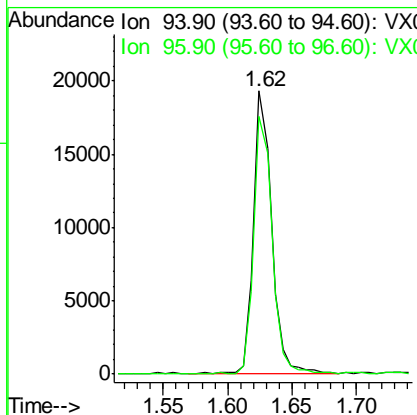
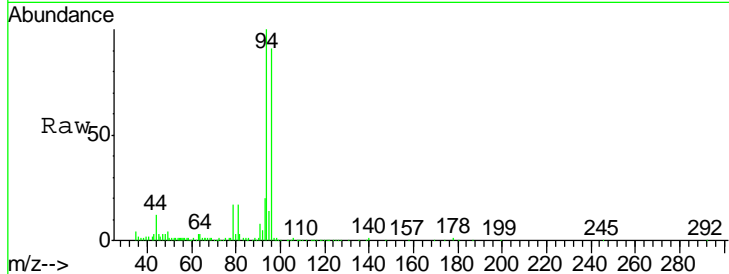
#5
 Bromomethane
 Concen: 33.197 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
94	18757		
96	91.0	72.8	109.2

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

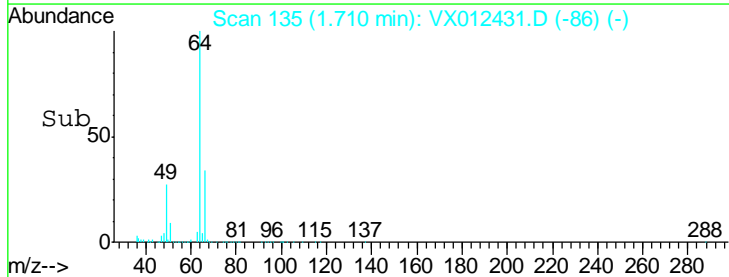
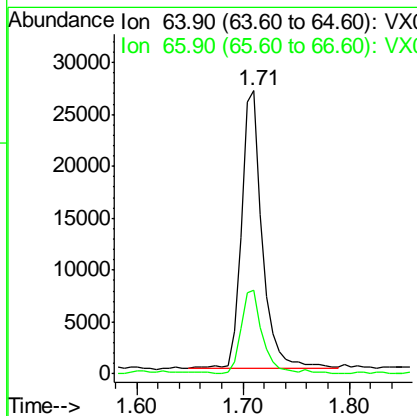
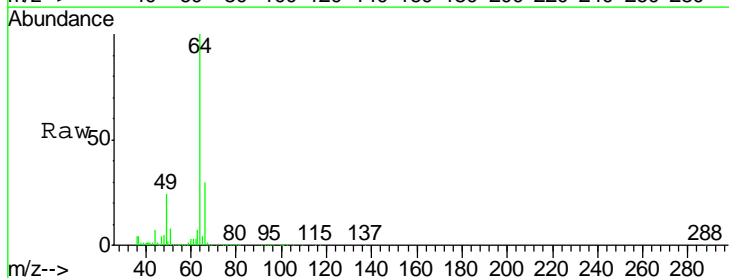
Manual Integrations
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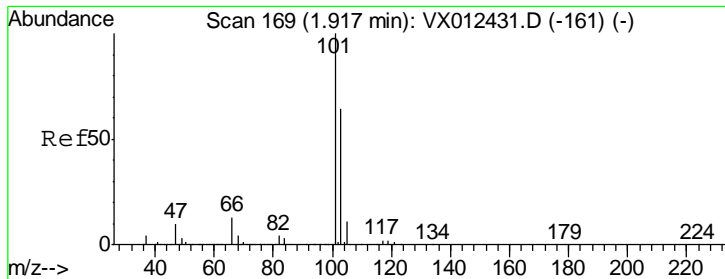
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#6
 Chloroethane
 Concen: 41.263 ug/l
 RT: 1.71 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
64	37060		
66	30.0	24.0	36.0





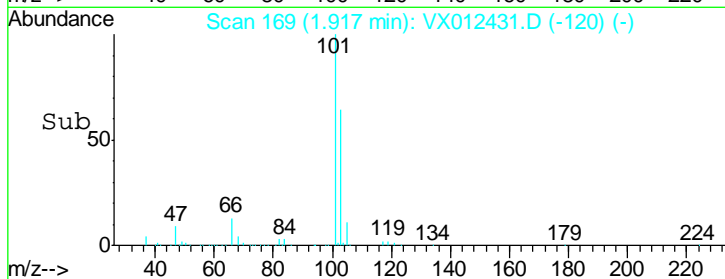
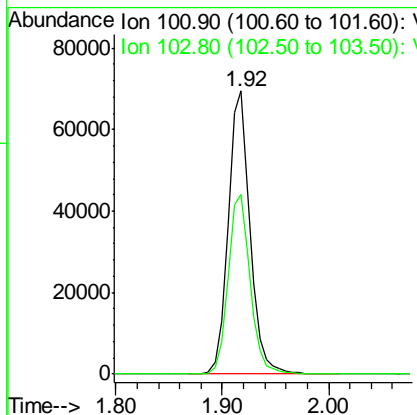
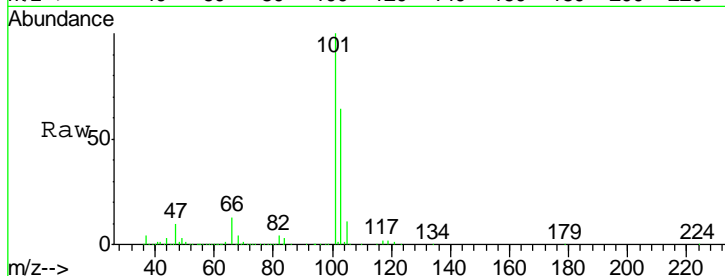
#7
 Trichlorofluoromethane
 Concen: 40.338 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	99595		
103	63.7	51.0	76.4

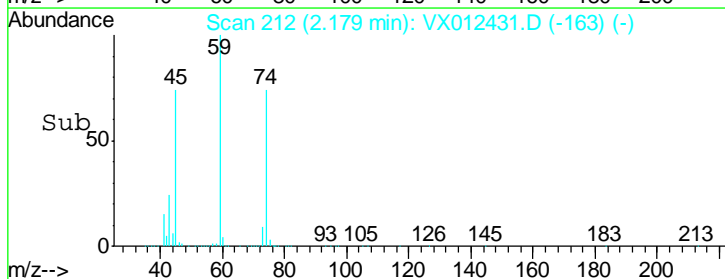
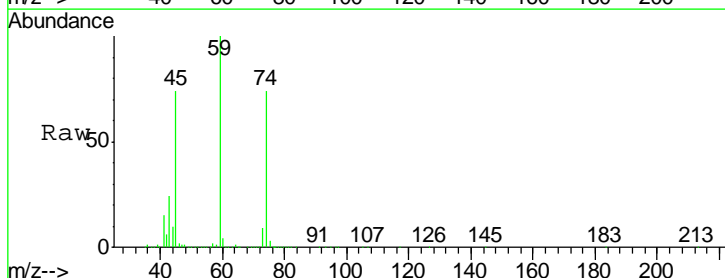
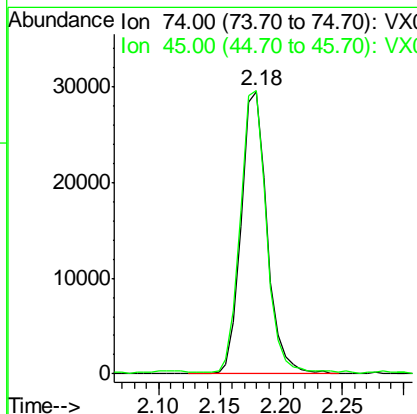
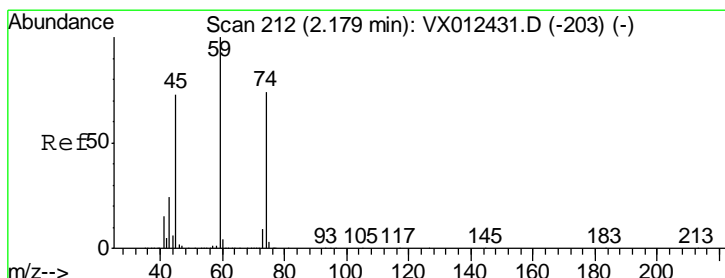
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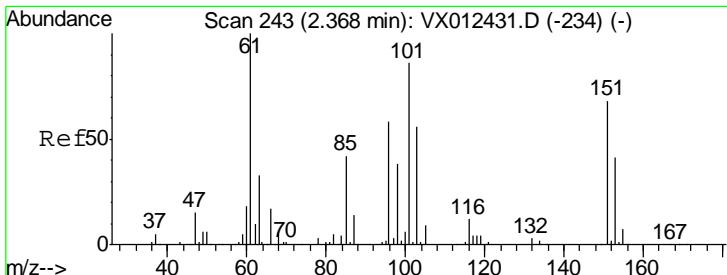
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#8
 Diethyl Ether
 Concen: 39.683 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

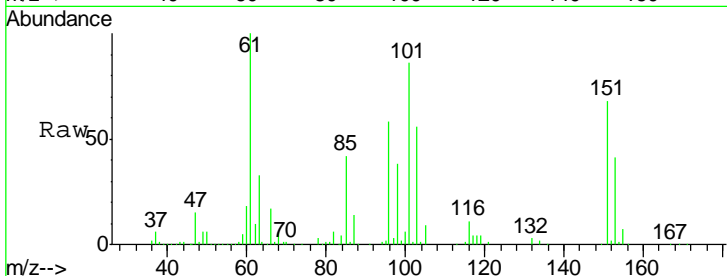
Tgt Ion	Resp	Lower	Upper
74	43251		
45	99.8	49.9	149.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 38.783 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

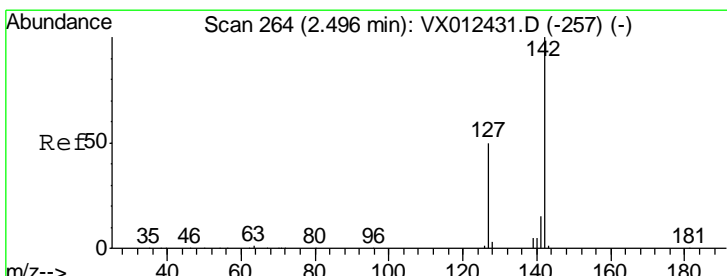
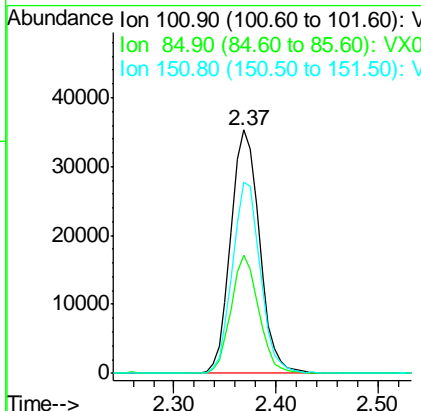
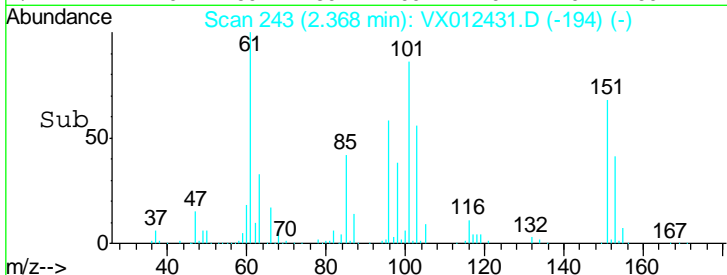


Tgt Ion: 101 Resp: 69019

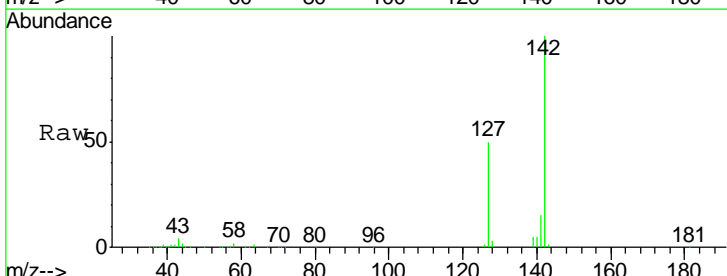
Ion	Ratio	Lower	Upper
101	100		
85	46.6	37.3	55.9
151	76.2	61.0	91.4

Manual Integrations
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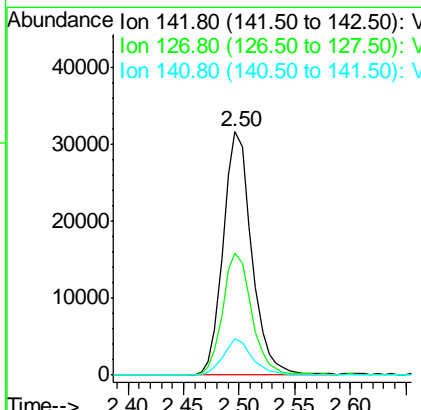
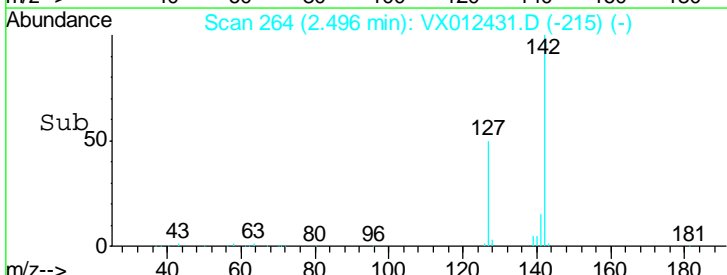


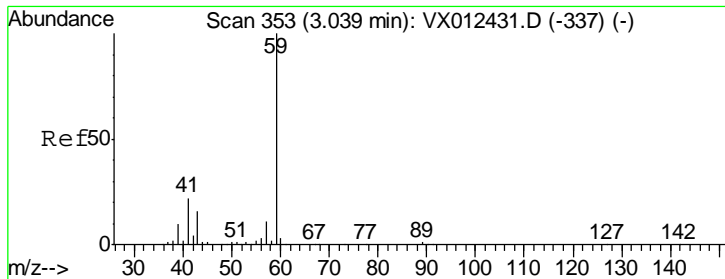
#10
 Methyl Iodide
 Concen: 34.411 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09



Tgt Ion: 142 Resp: 56259

Ion	Ratio	Lower	Upper
142	100		
127	51.0	40.8	61.2
141	15.1	12.1	18.1





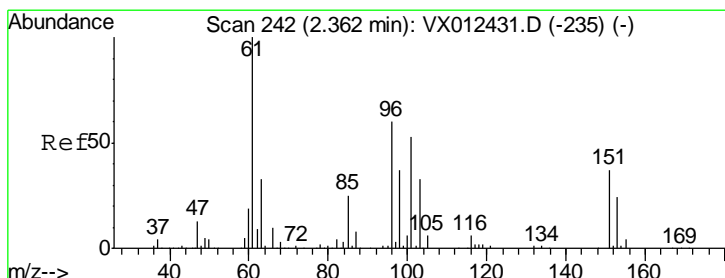
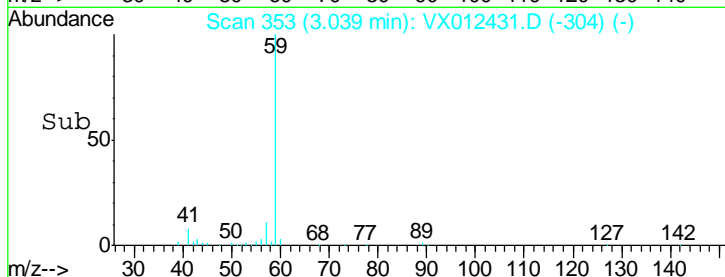
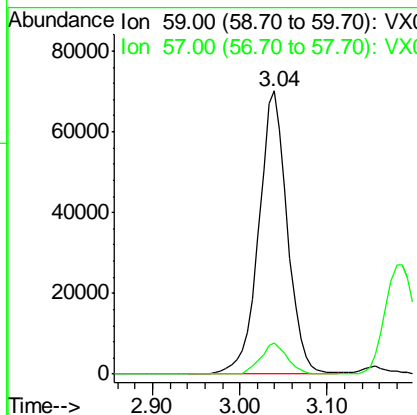
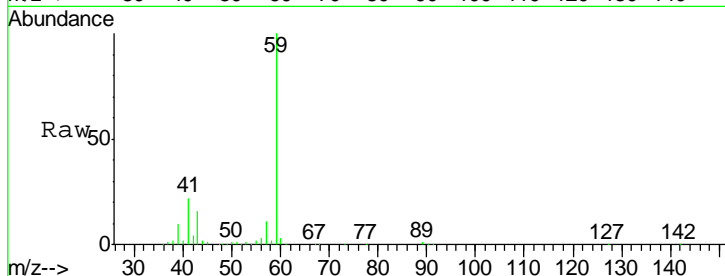
#11
 Tert butyl alcohol
 Concen: 191.967 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
59	158966		
57	10.4	8.3	12.5

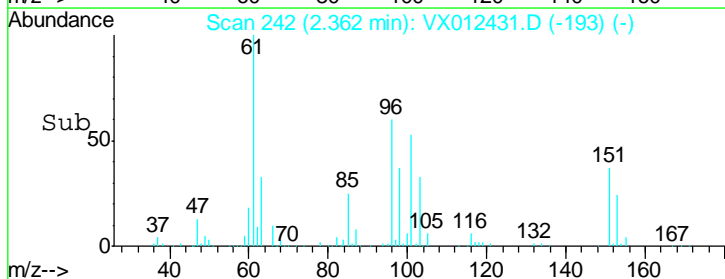
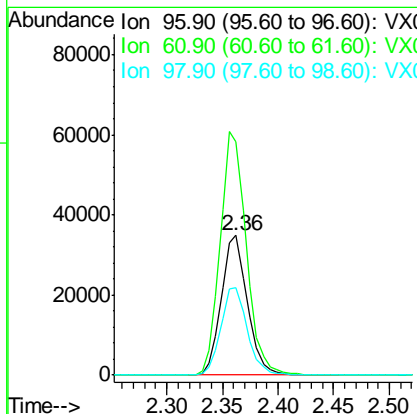
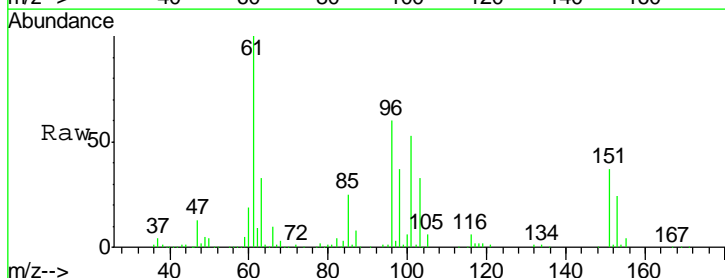
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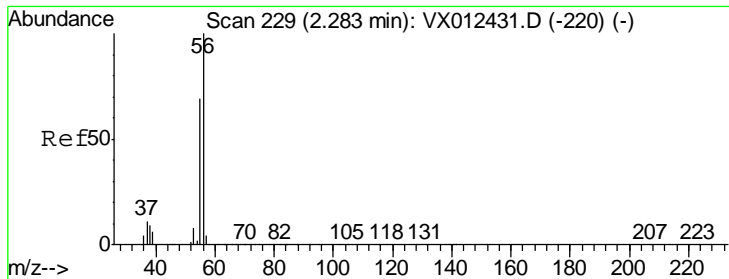
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#12
 1,1-Dichloroethene
 Concen: 40.340 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
96	56423		
61	167.2	133.8	200.6
98	62.4	49.9	74.9





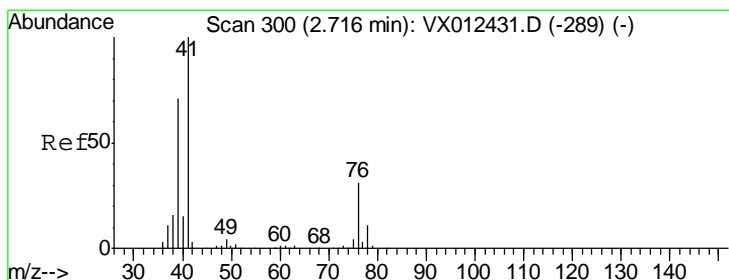
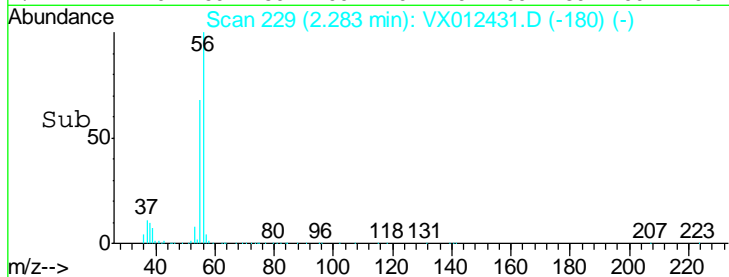
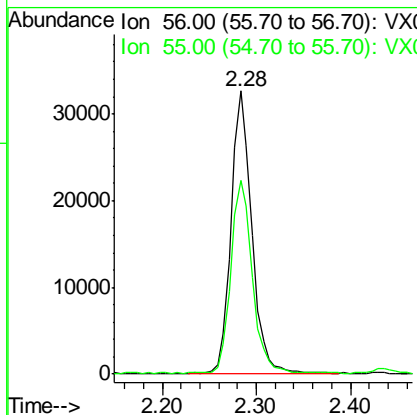
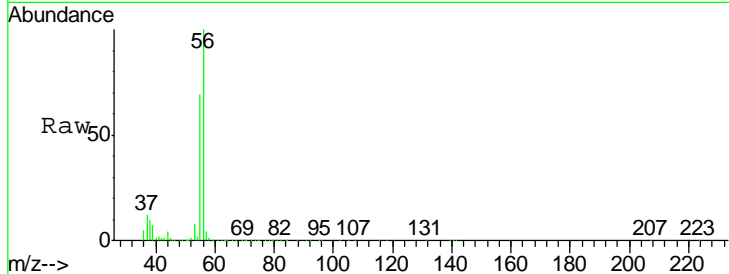
#13
 Acrolein
 Concen: 146.026 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.8	55.8	83.8

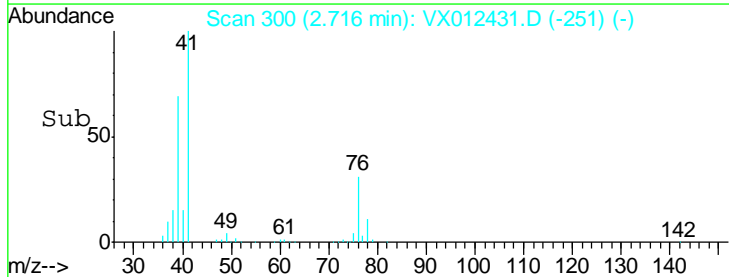
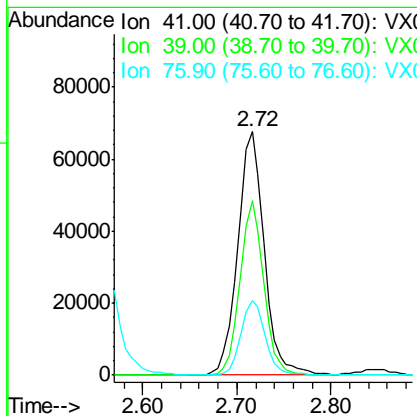
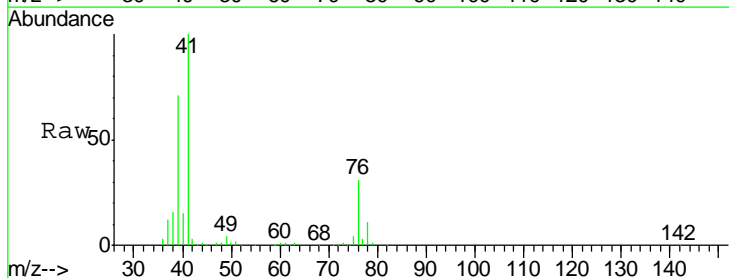
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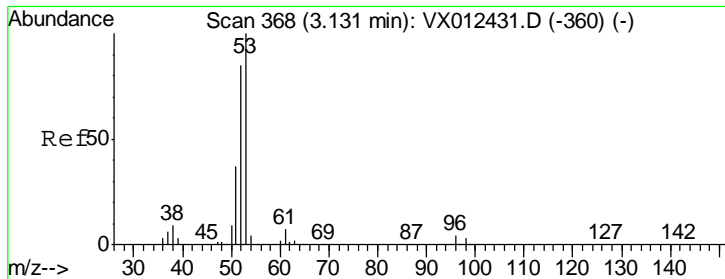
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#14
 Allyl chloride
 Concen: 40.781 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.1	51.3	76.9
76	28.2	22.6	33.8





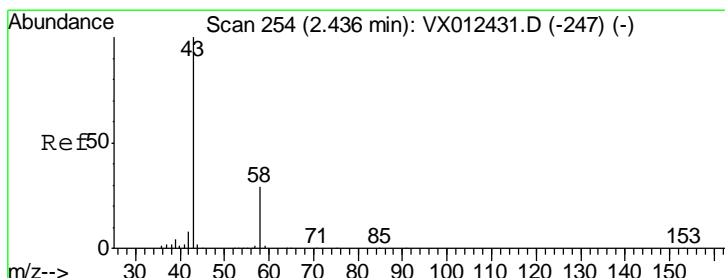
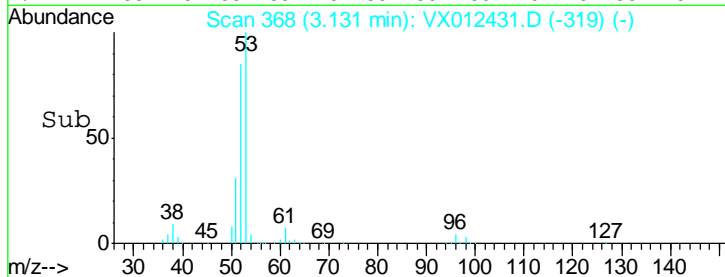
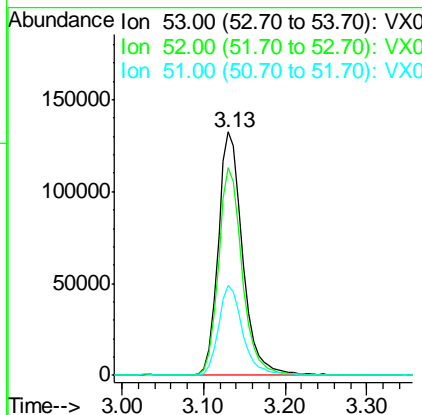
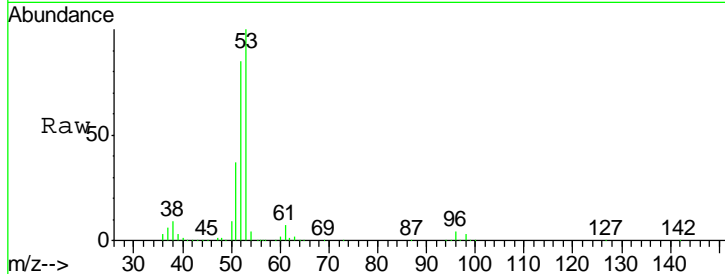
#15
 Acrylonitrile
 Concen: 199.278 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.7	67.0	100.4
51	37.0	29.6	44.4

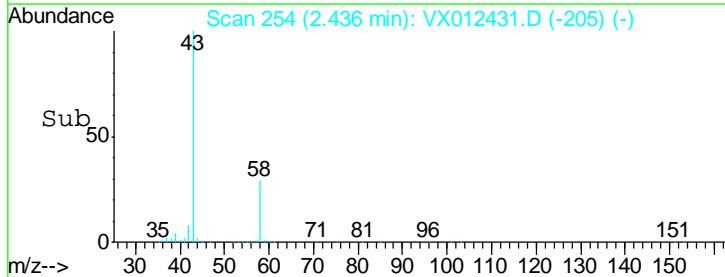
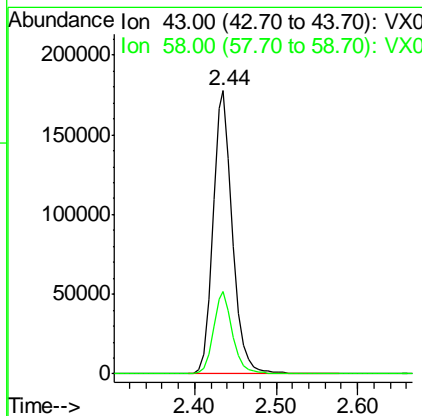
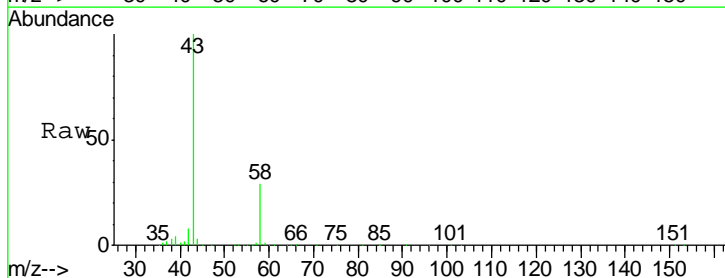
Manual Integrations
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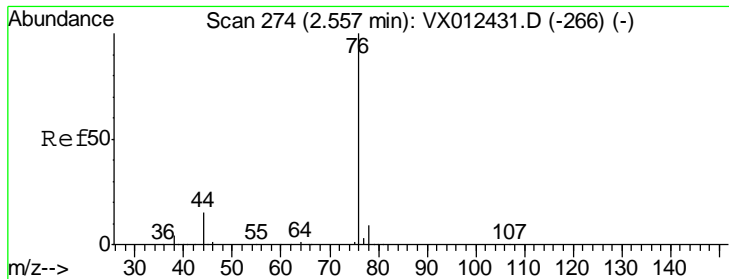
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#16
 Acetone
 Concen: 196.664 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	100		
58	29.1	23.3	34.9





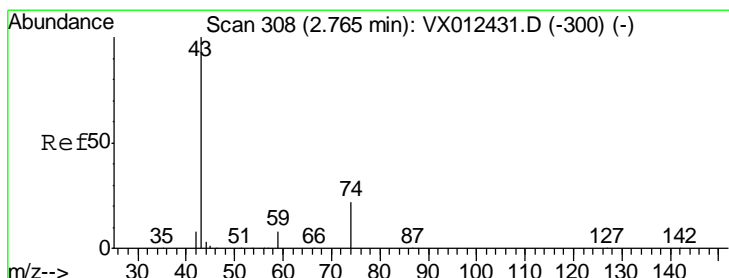
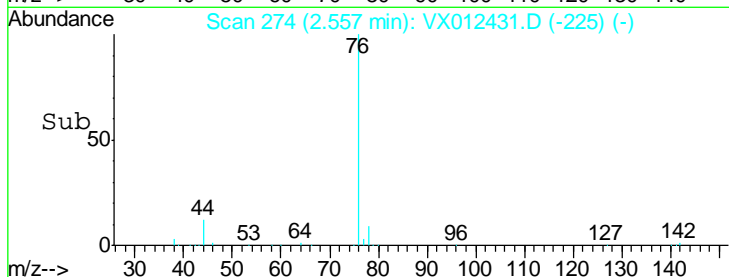
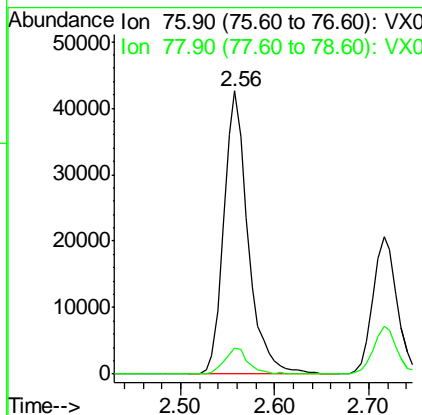
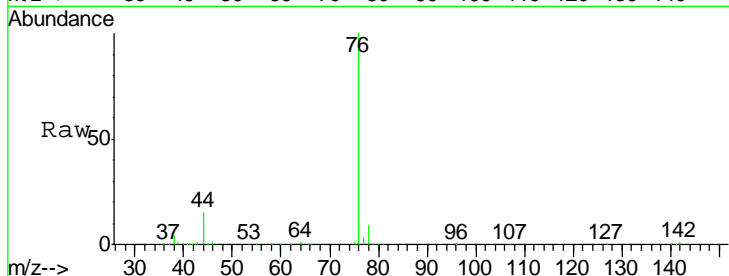
#17
 Carbon Disulfide
 Concen: 41.133 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.1	7.3	10.9

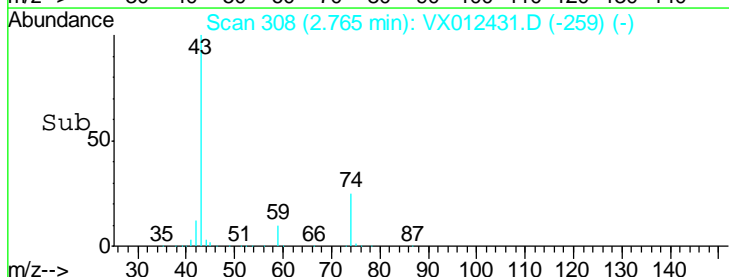
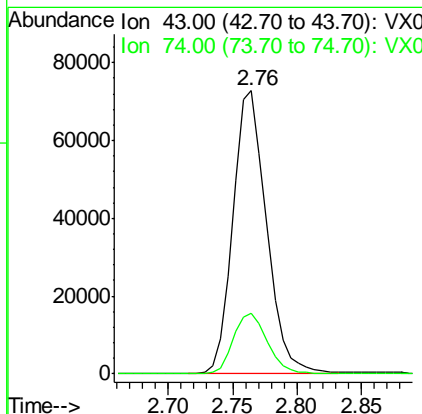
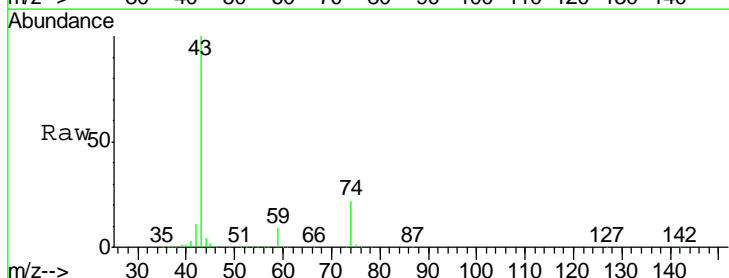
Manual Integrations
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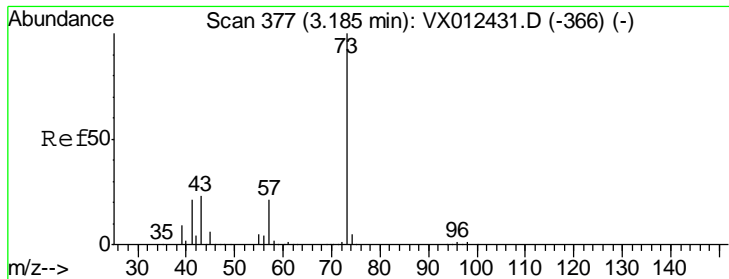
MMDadoda
 9/18/2019 11:22:13 AM



#18
 Methyl Acetate
 Concen: 39.592 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.1	17.7	26.5





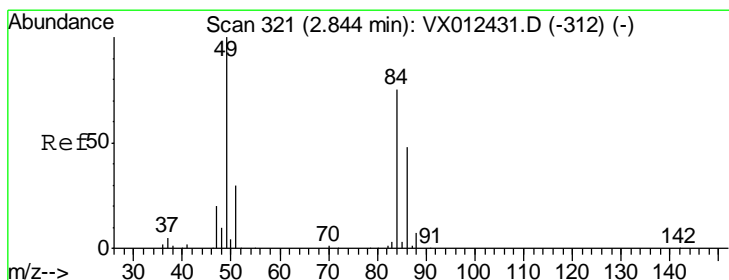
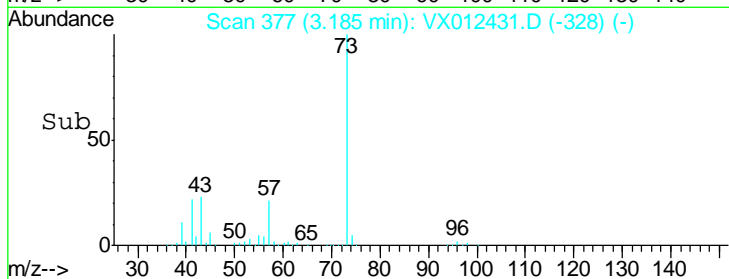
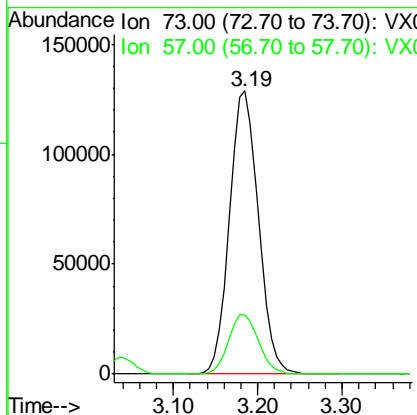
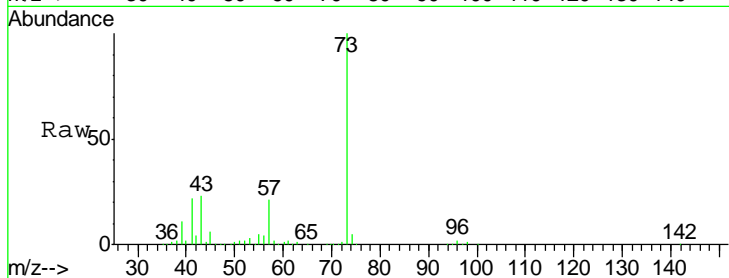
#19
Methyl tert-butyl Ether
Concen: 39.481 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012431.D
Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
73	299914		
57	21.0	16.8	25.2

Instrument : MSVOA_X
Client Sampled : VSTDICCC050

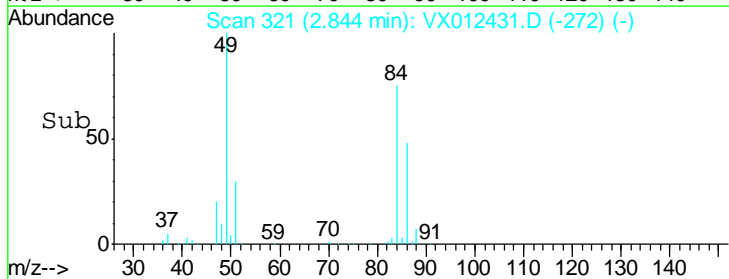
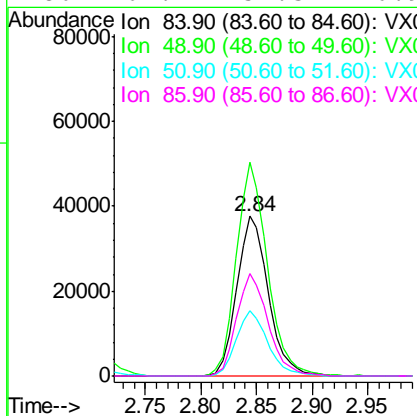
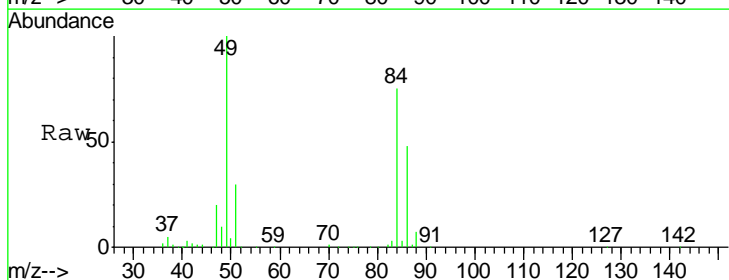
Manual Integrations APPROVED

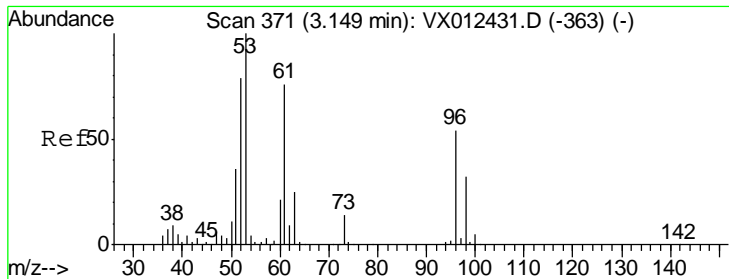
MMDadoda
9/18/2019 11:22:13 AM



#20
Methylene Chloride
Concen: 36.537 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012431.D
Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
84	74021		
49	133.5	106.8	160.2
51	40.4	32.3	48.5
86	64.1	51.3	76.9





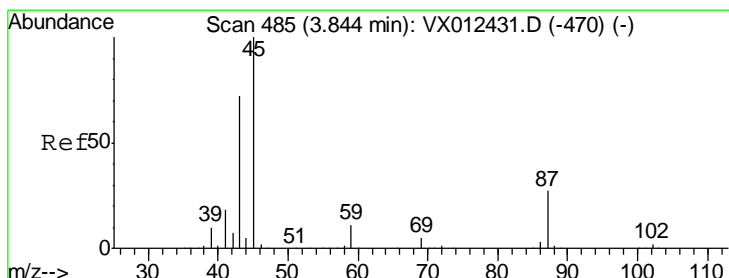
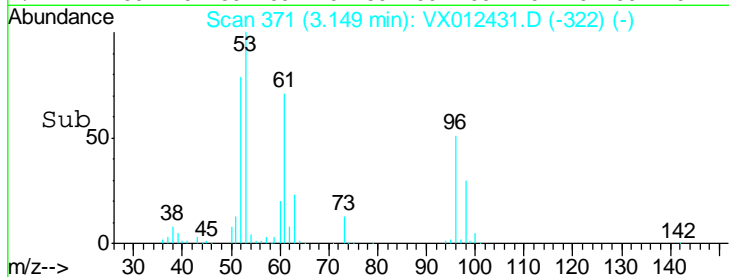
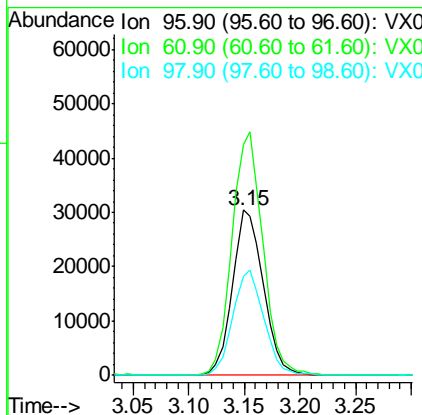
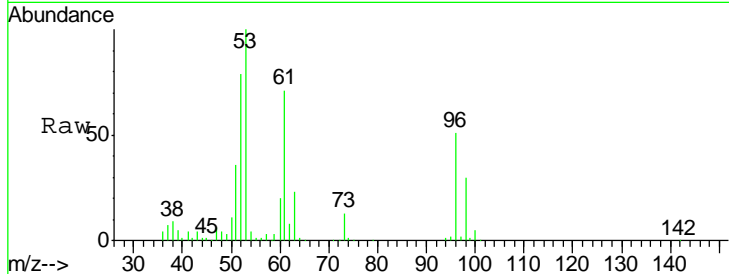
#21
 trans-1,2-Dichloroethene
 Concen: 38.907 ug/l
 RT: 3.15 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampleId : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	58509		
96	100		
61	140.0	112.0	168.0
98	59.8	47.8	71.8

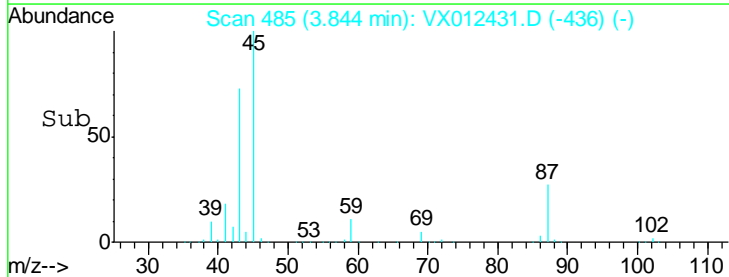
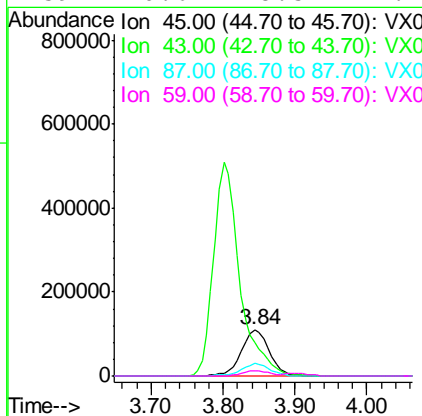
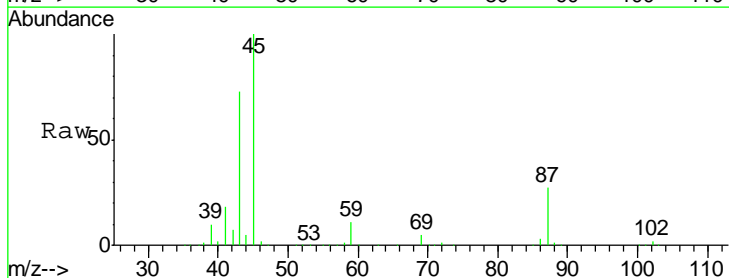
Manual Integrations
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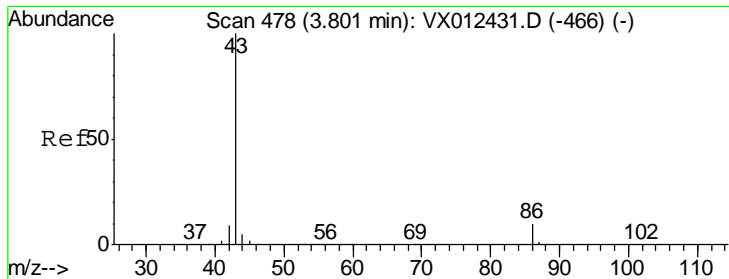
MMDadoda
 9/18/2019 11:22:13 AM



#22
 Diisopropyl ether
 Concen: 40.235 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
45	299990		
45	100		
43	72.3	57.8	86.8
87	26.6	21.3	31.9
59	10.6	8.5	12.7





#23
 Vinyl Acetate
 Concen: 210.346 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

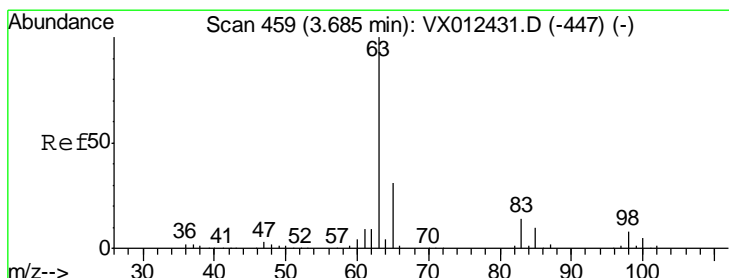
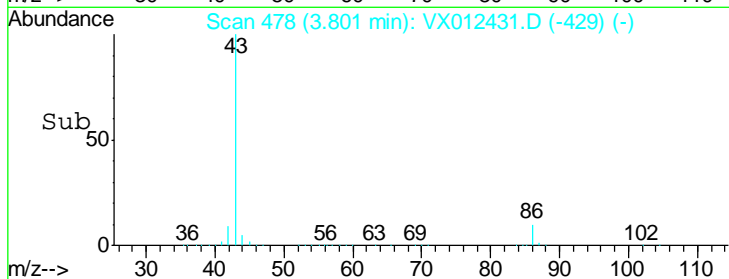
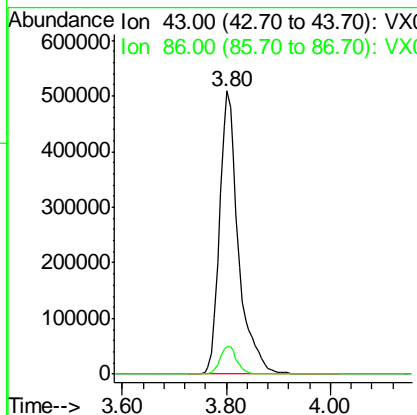
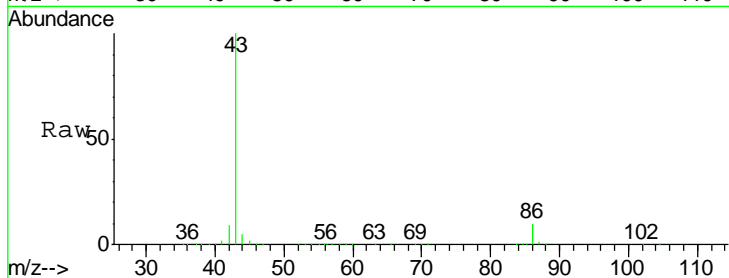
Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion: 43 Resp: 1293749

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

Manual Integrations
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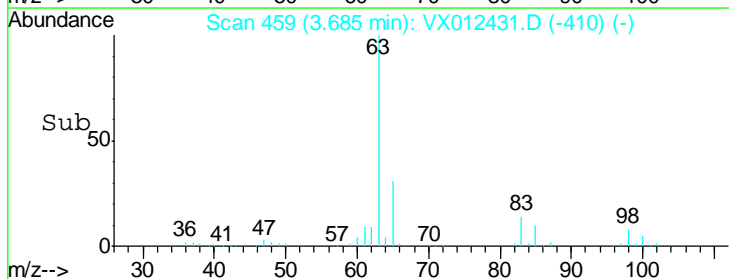
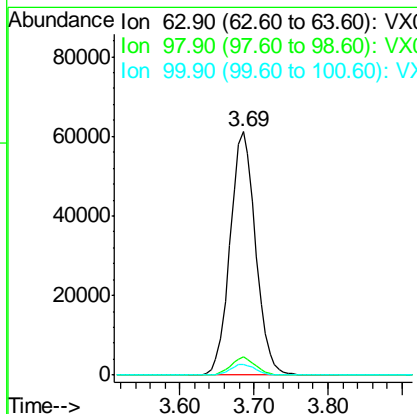
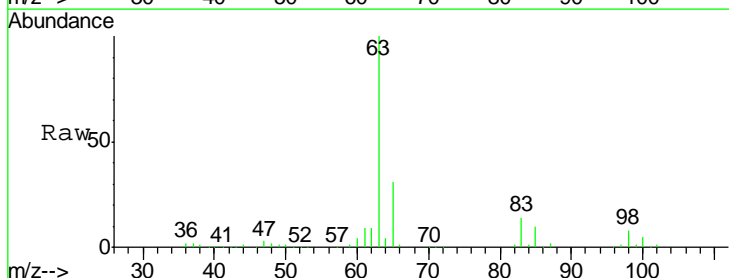
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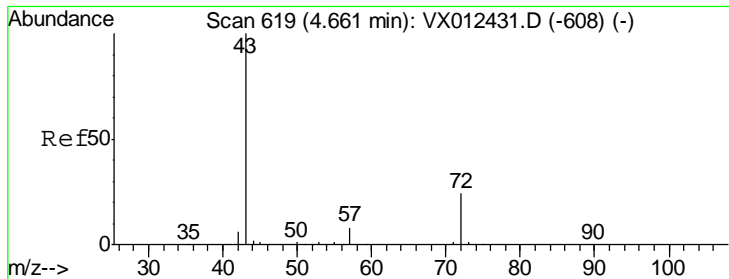


#24
 1,1-Dichloroethane
 Concen: 39.267 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion: 63 Resp: 146665

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.9	11.7
100	4.6	2.3	6.9





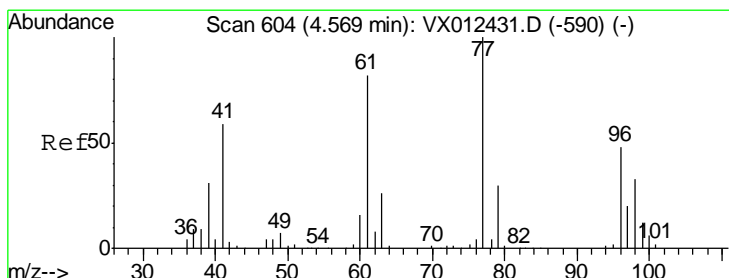
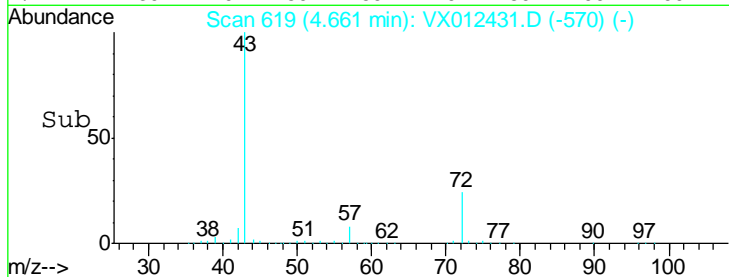
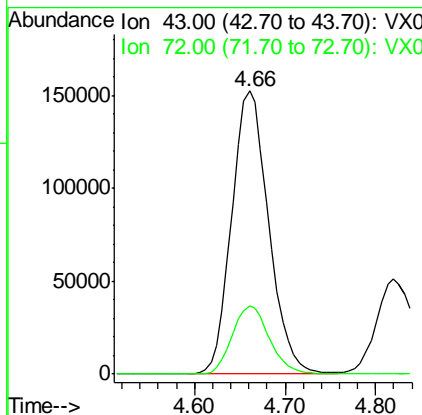
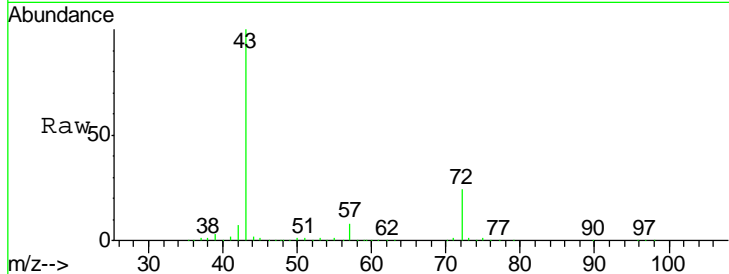
#25
 2-Butanone
 Concen: 202.218 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
72	24.0	19.2	28.8

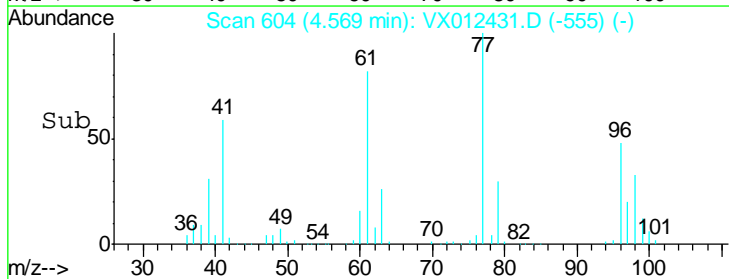
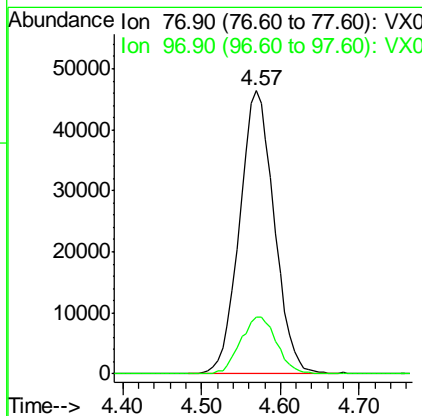
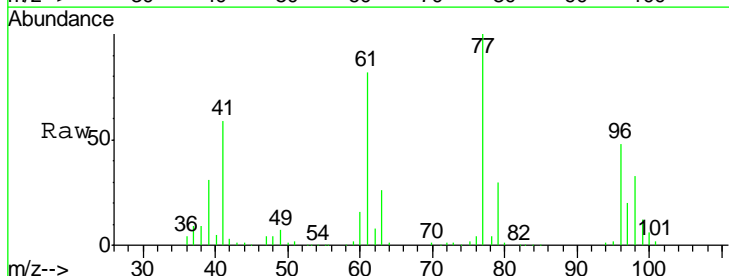
Manual Integrations
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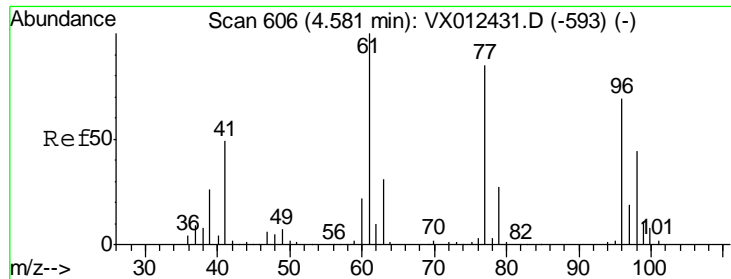
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 9/18/2019 11:22:13 AM



#26
 2,2-Dichloropropane
 Concen: 39.643 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
77	100		
97	21.1	10.5	31.6



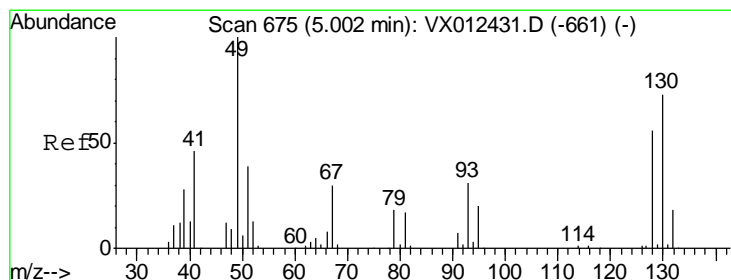
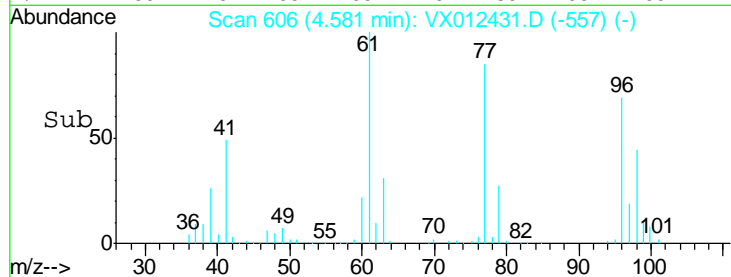
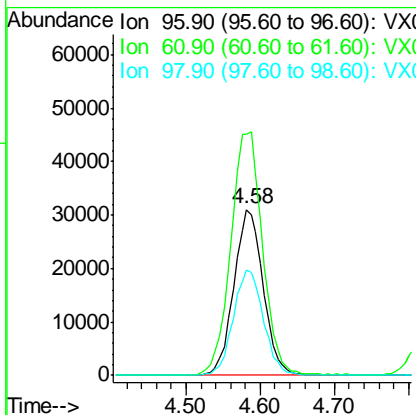
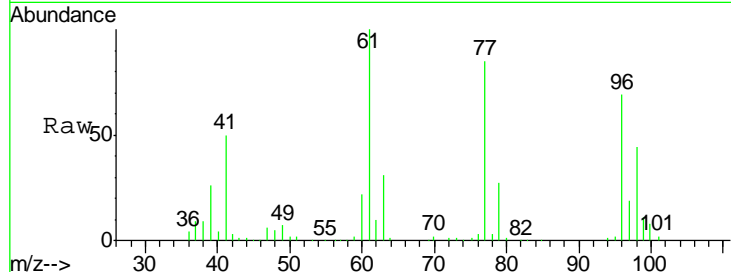


#27
 cis-1,2-Dichloroethene
 Concen: 38.614 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
96	85364		
96	100		
61	159.7	0.0	319.4
98	65.3	0.0	130.6

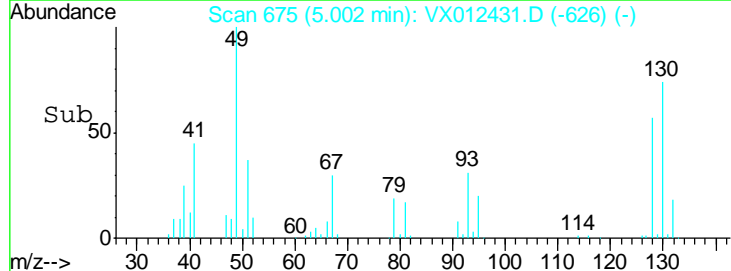
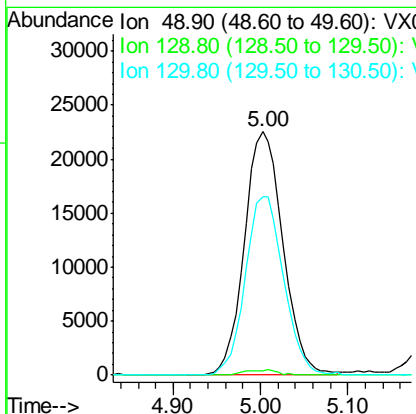
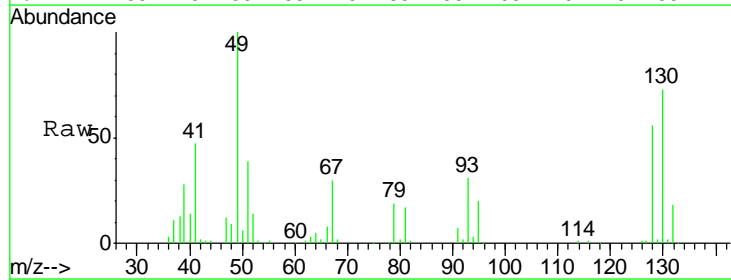
Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

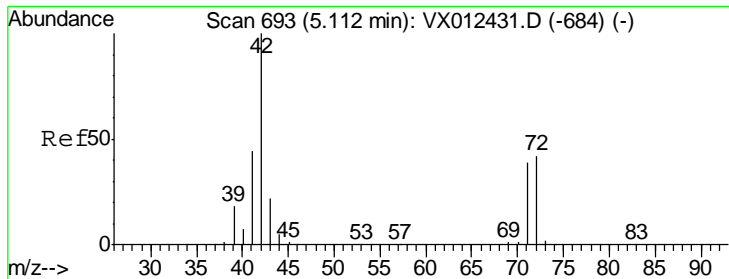
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#28
 Bromochloromethane
 Concen: 36.220 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
49	69038		
49	100		
129	1.9	0.0	3.8
130	72.8	58.2	87.4



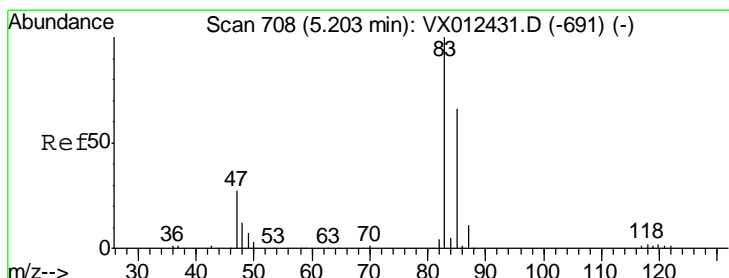
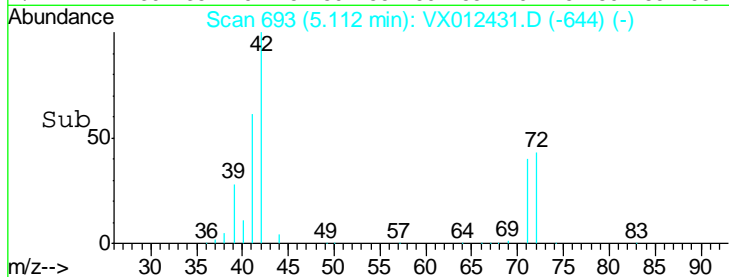
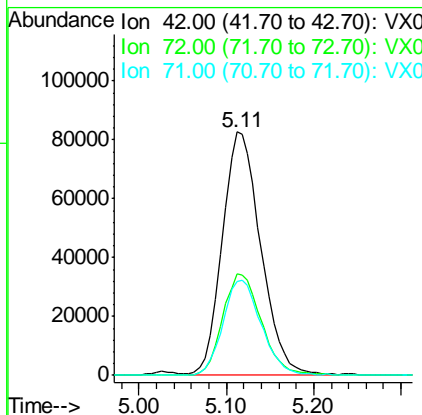
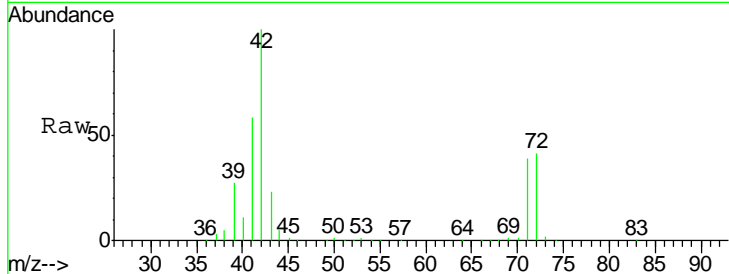


#29
 Tetrahydrofuran
 Concen: 203.388 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.5	34.0	51.0
71	39.4	31.5	47.3

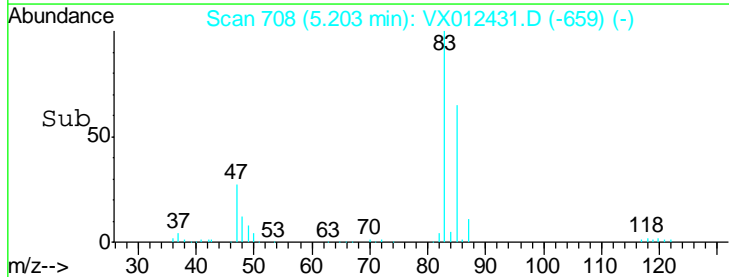
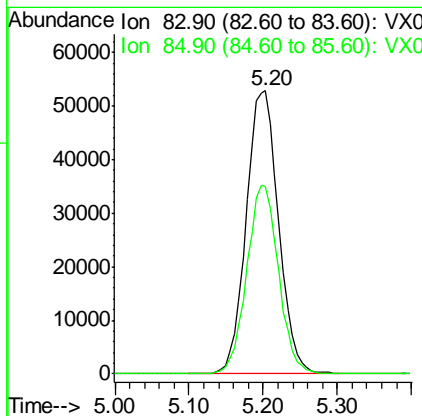
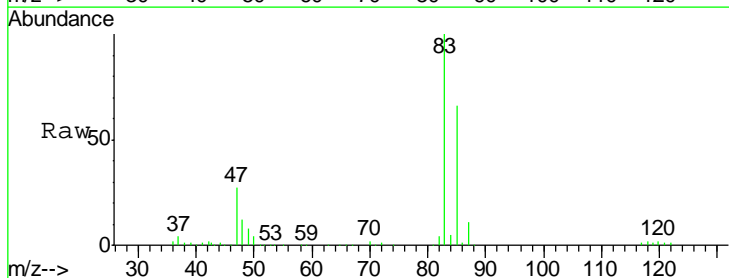
Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

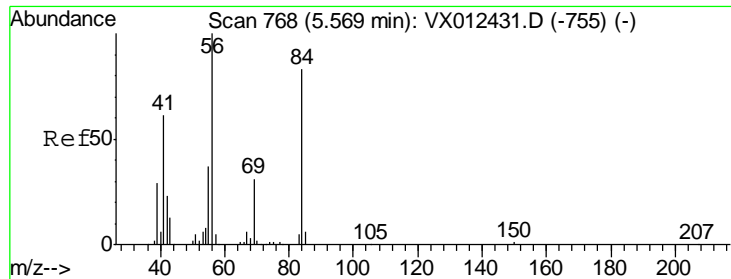
Manual Integrations APPROVED
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#30
 Chloroform
 Concen: 37.347 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
83	100		
85	66.2	53.0	79.4





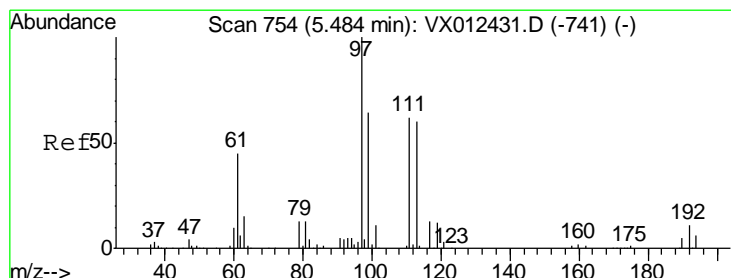
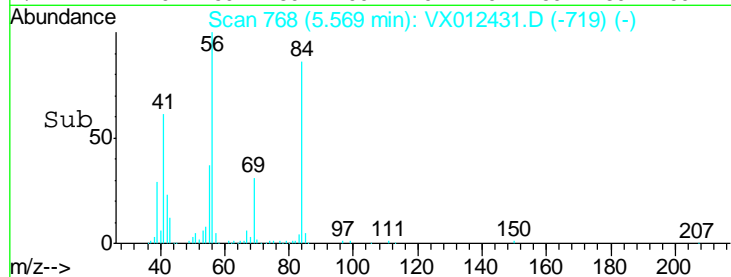
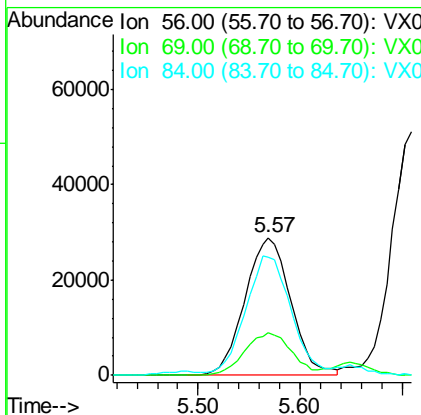
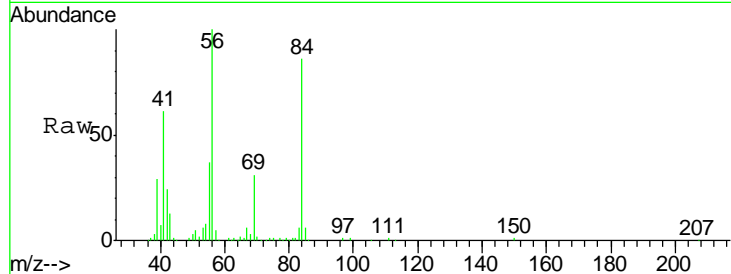
#31
 Cyclohexane
 Concen: 40.151 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.3	25.0	37.6
84	83.0	66.4	99.6

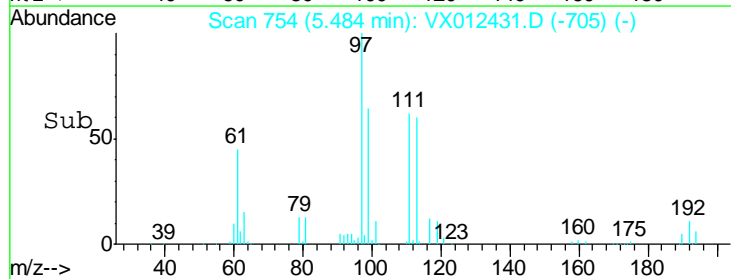
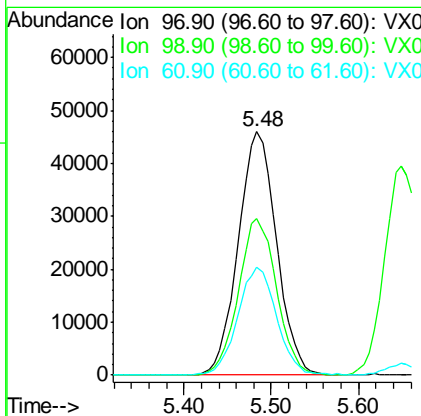
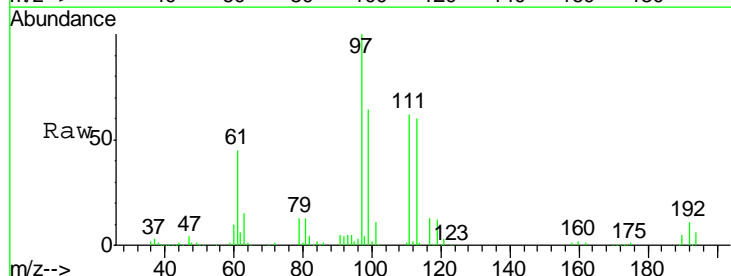
Manual Integrations
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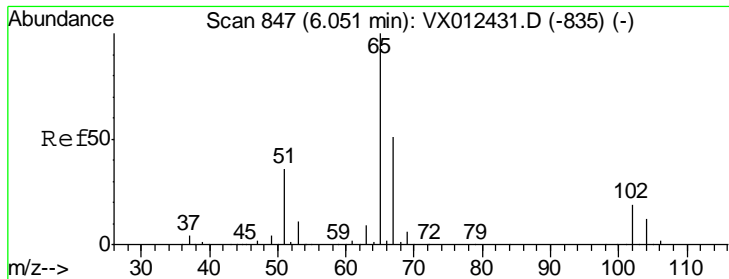
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#32
 1,1,1-Trichloroethane
 Concen: 39.230 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	45.1	36.1	54.1





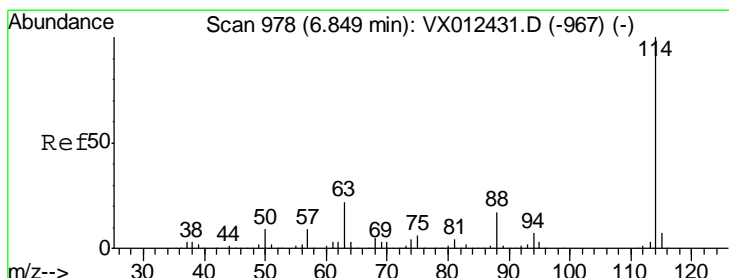
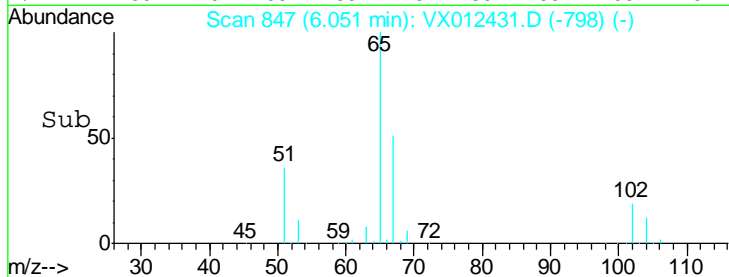
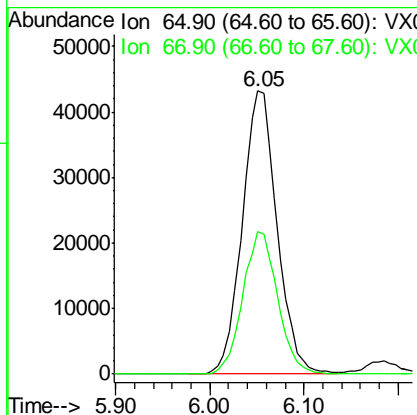
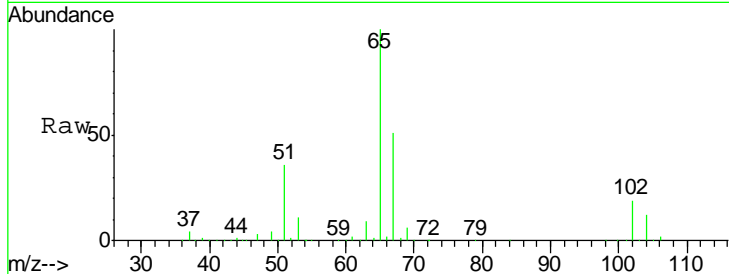
#33
 1,2-Dichloroethane-d4
 Concen: 34.683 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
65	111763		
67	50.6	0.0	101.2

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

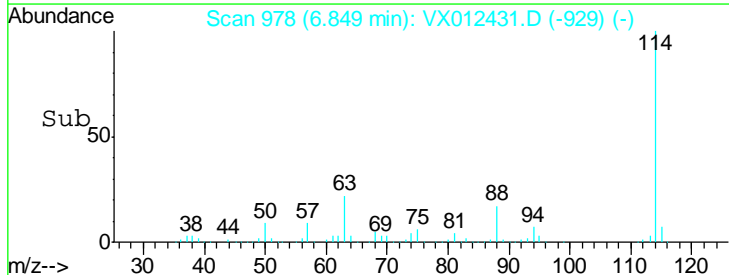
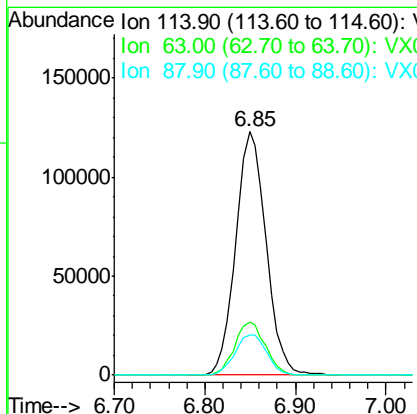
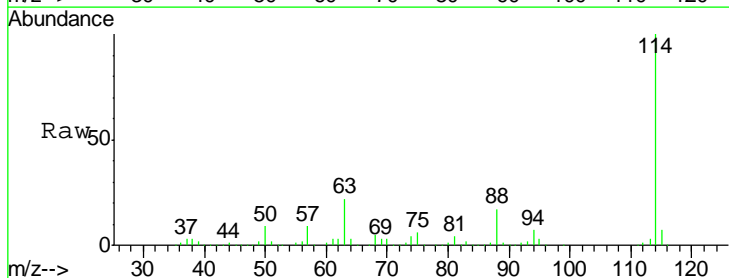
Manual Integrations APPROVED

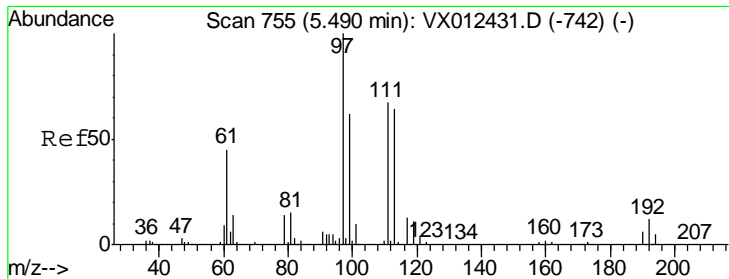
MMDadoda
 9/18/2019 11:22:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
114	285900		
63	21.6	0.0	43.2
88	16.6	0.0	33.2





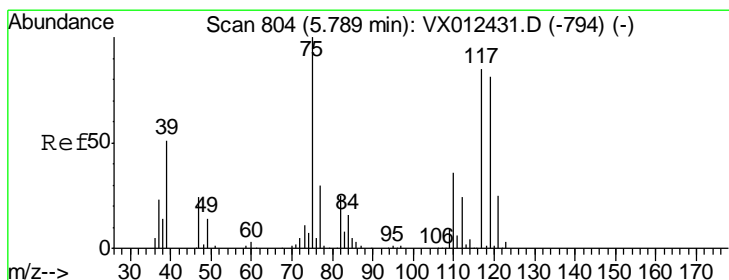
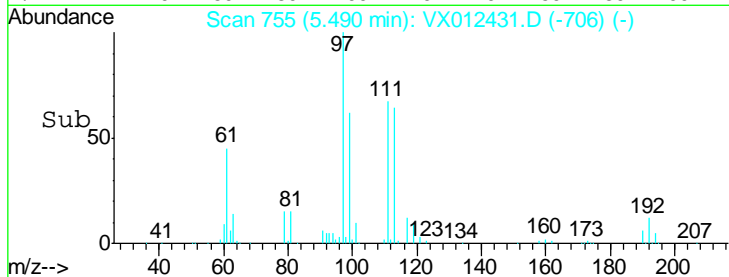
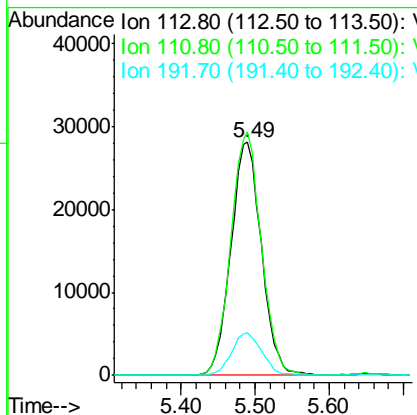
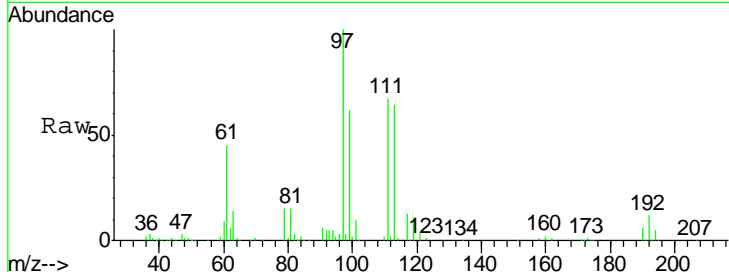
#35
 Dibromofluoromethane
 Concen: 31.857 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
113	80730		
111	104.3	83.4	125.2
192	18.0	14.4	21.6

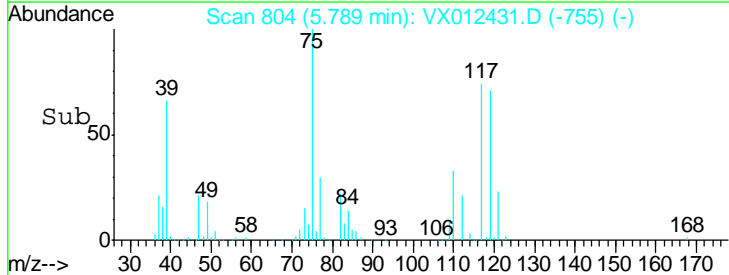
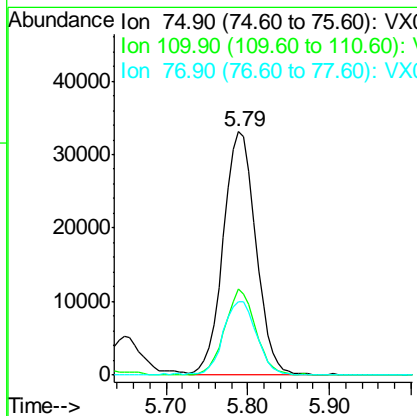
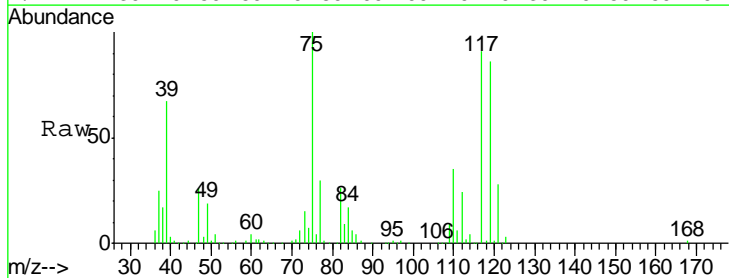
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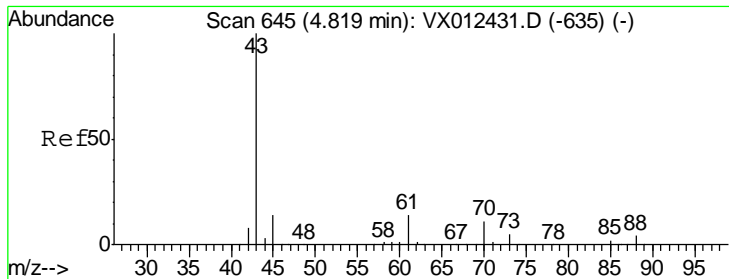
MMDadoda
 9/18/2019 11:22:13 AM



#36
 1,1-Dichloropropene
 Concen: 36.770 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
75	91699		
110	33.3	16.7	50.0
77	30.2	24.2	36.2



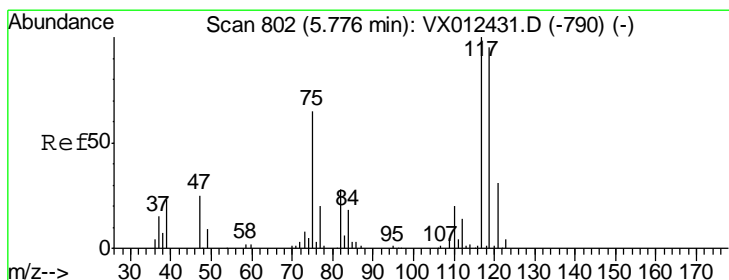
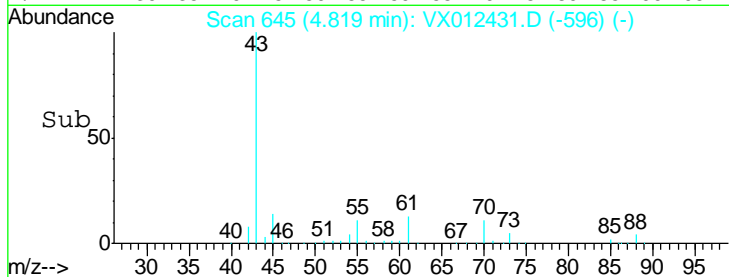
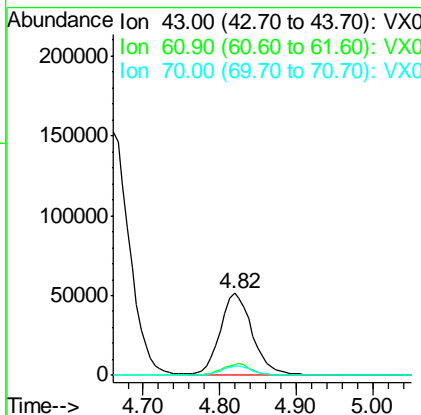
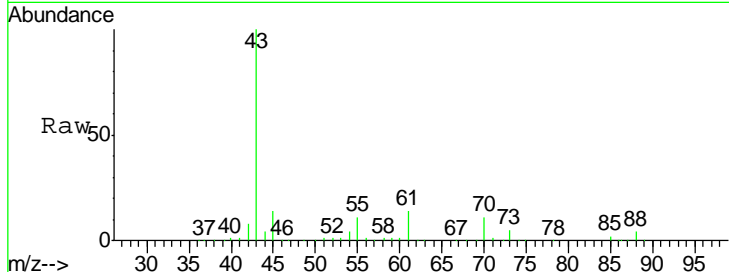


#37
Ethyl Acetate
Concen: 38.652 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012431.D
Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	148378		
61	12.8	10.2	15.4
70	10.9	8.7	13.1

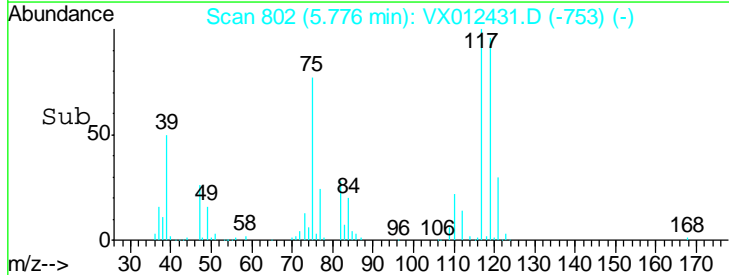
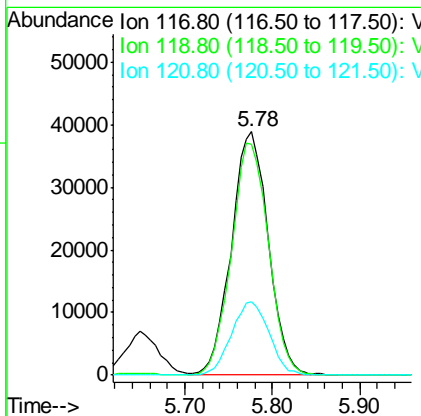
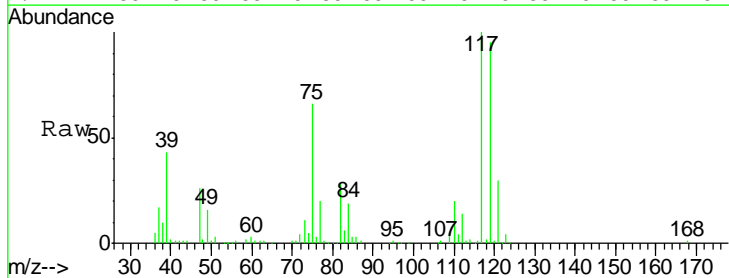
Instrument : MSVOA_X
ClientSampled : VSTDICCC050

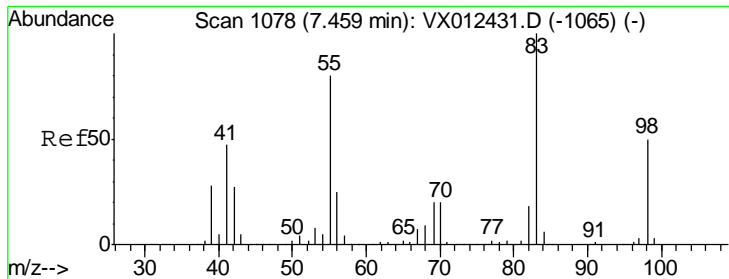
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#38
Carbon Tetrachloride
Concen: 37.826 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012431.D
Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
117	114214		
119	94.6	75.7	113.5
121	30.3	24.2	36.4



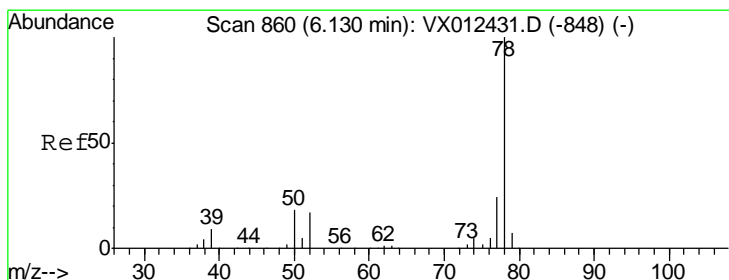
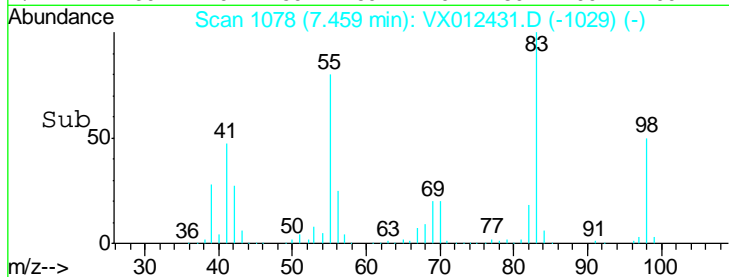
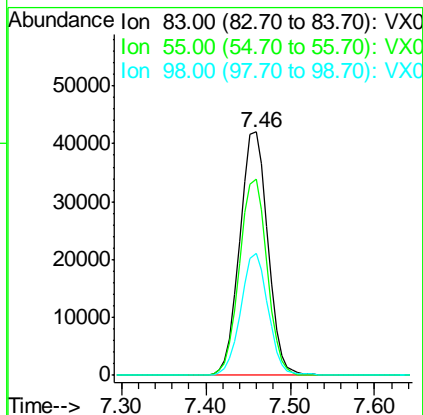
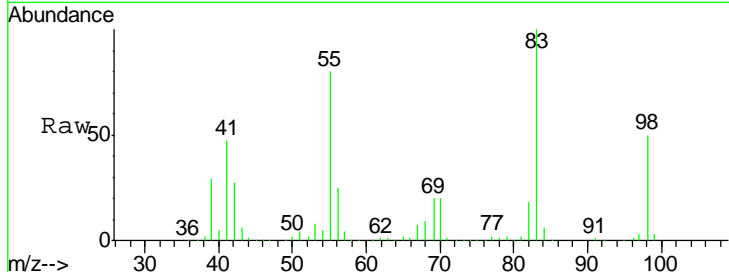


#39
 Methylcyclohexane
 Concen: 39.445 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
83	100		
55	80.5	64.4	96.6
98	50.1	40.1	60.1

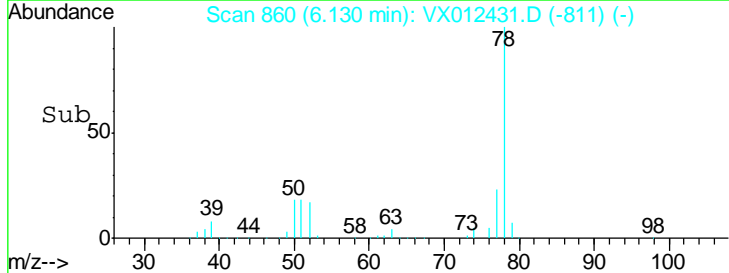
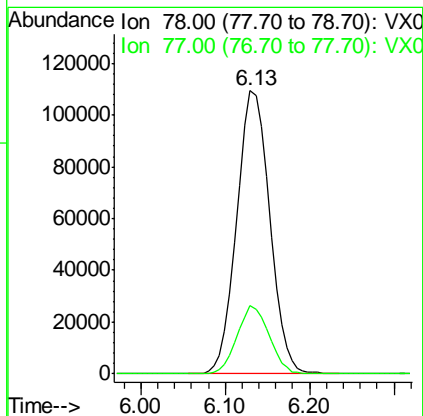
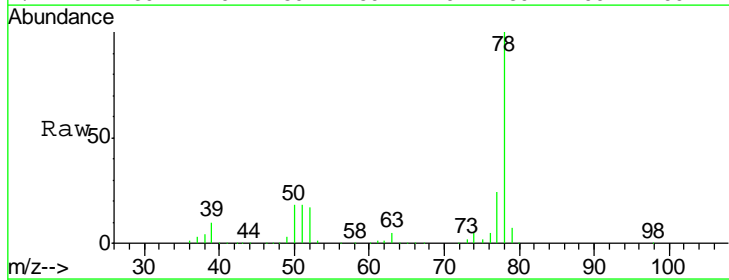
Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

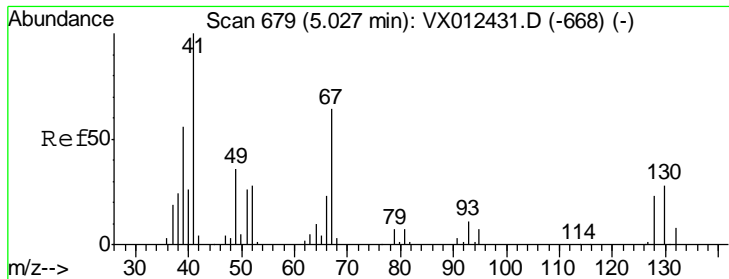
Manual Integrations APPROVED
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#40
 Benzene
 Concen: 38.009 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
78	100		
77	24.0	19.2	28.8





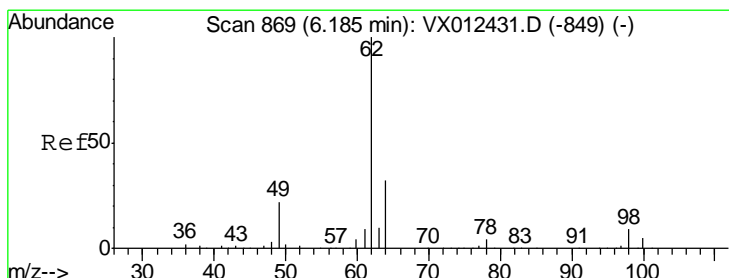
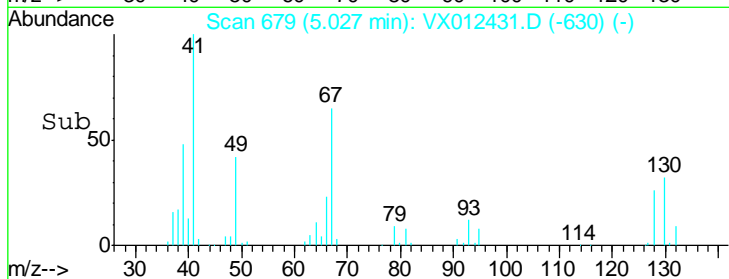
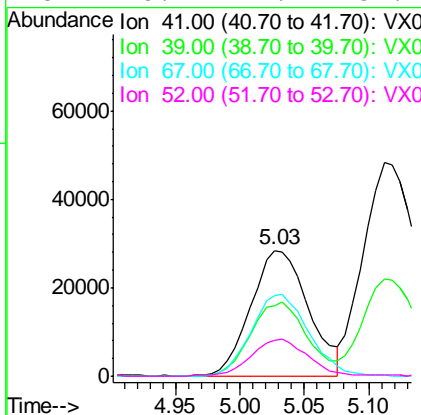
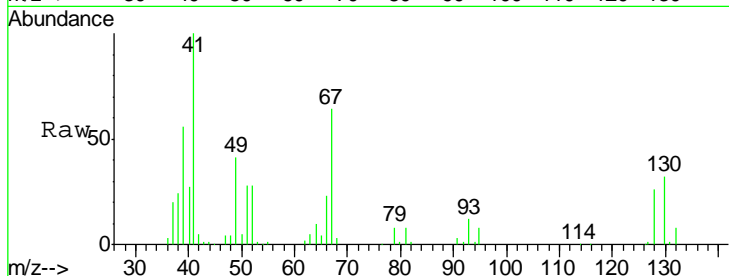
#41
 Methacrylonitrile
 Concen: 40.374 ug/l
 RT: 5.03 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
41	100		
39	57.5	46.0	69.0
67	65.2	52.2	78.2
52	28.4	22.7	34.1

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

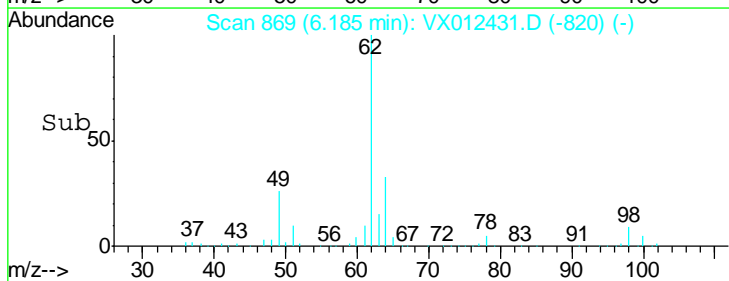
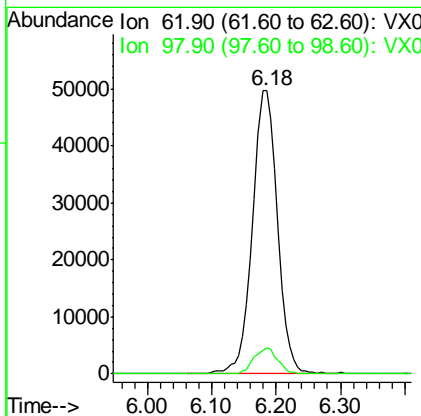
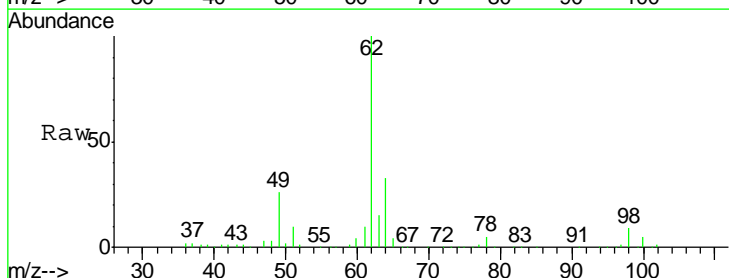
Manual Integrations
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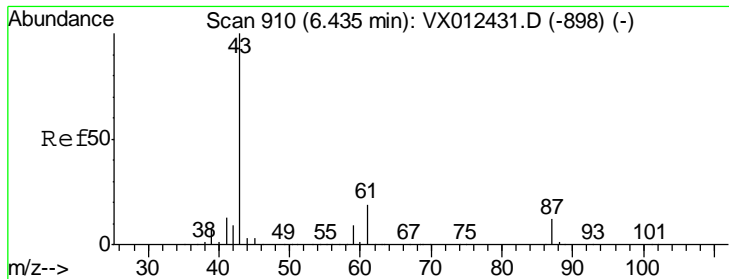
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#42
 1,2-Dichloroethane
 Concen: 37.783 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.9	0.0	17.8





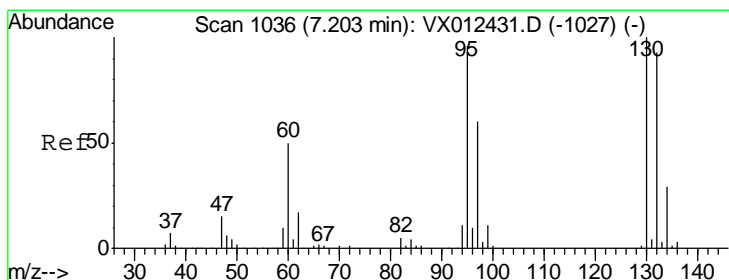
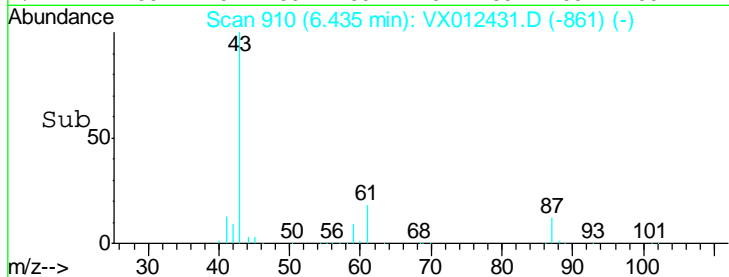
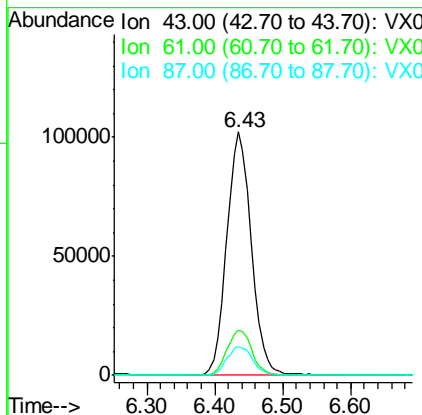
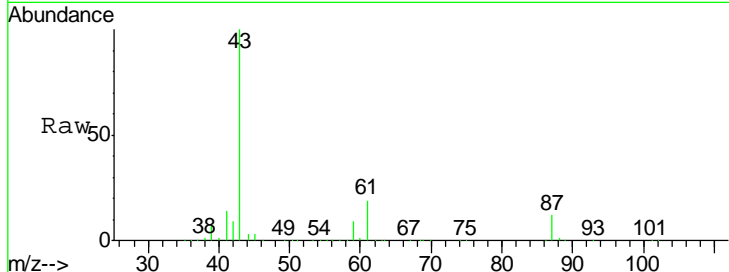
#43
 Isopropyl Acetate
 Concen: 38.542 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	12.3	9.8	14.8

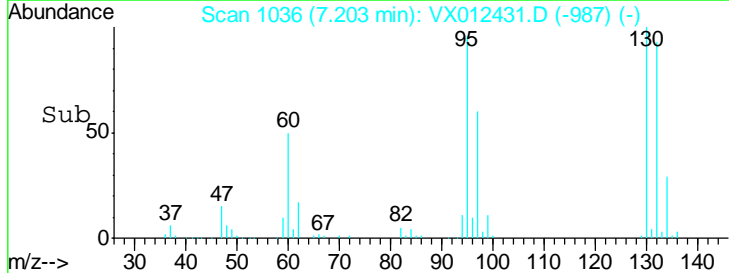
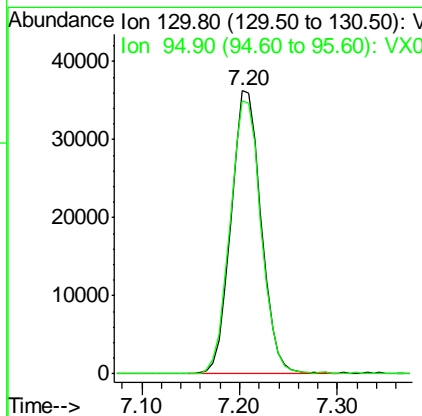
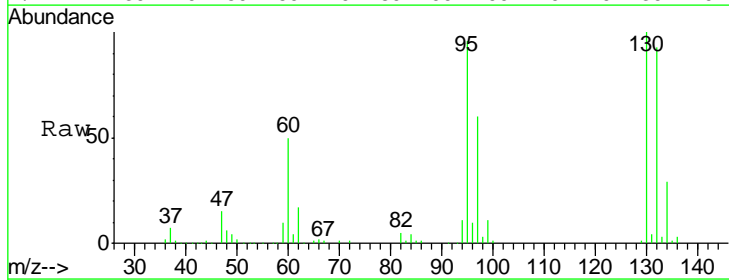
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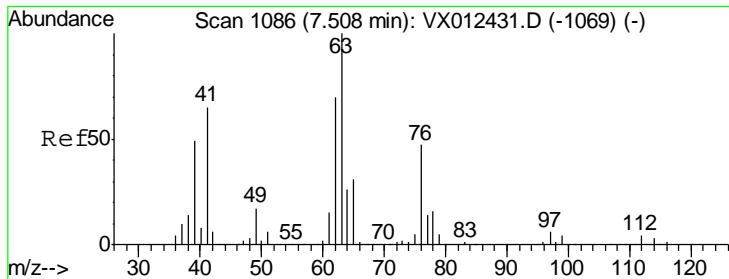
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#44
 Trichloroethene
 Concen: 37.868 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.5	0.0	193.0





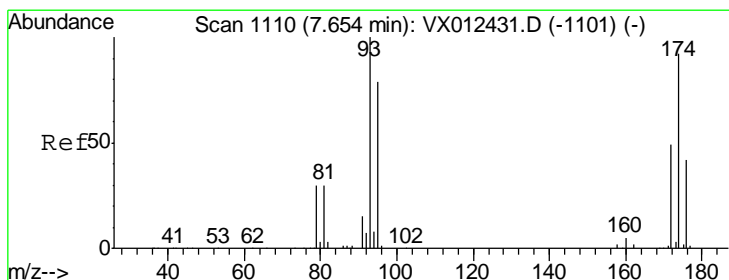
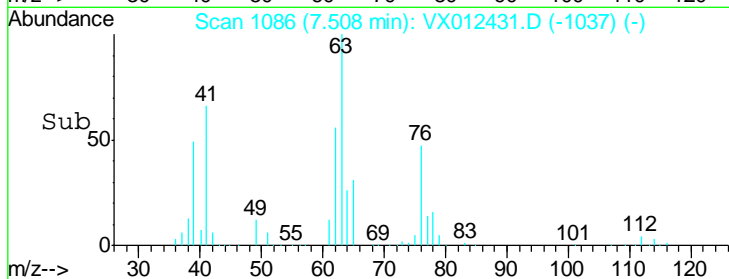
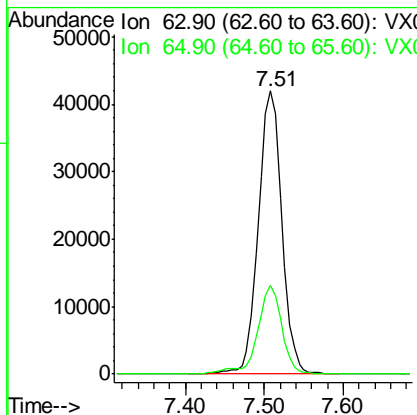
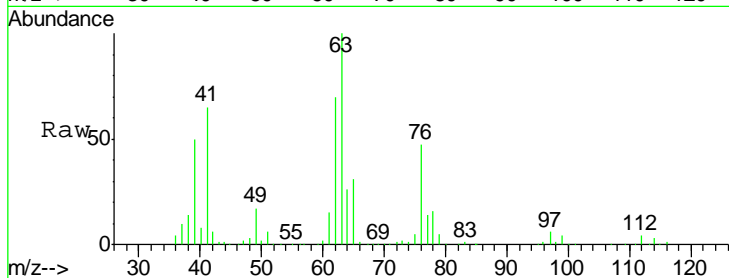
#45
 1,2-Dichloropropane
 Concen: 37.128 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.3	25.0	37.6

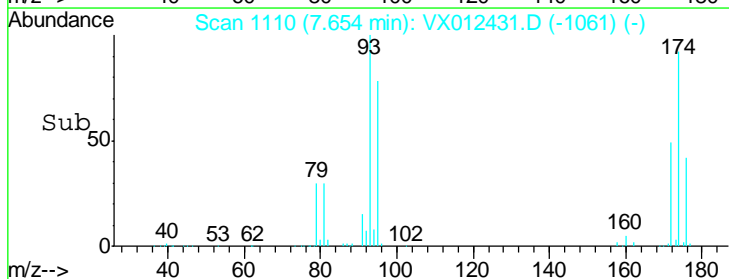
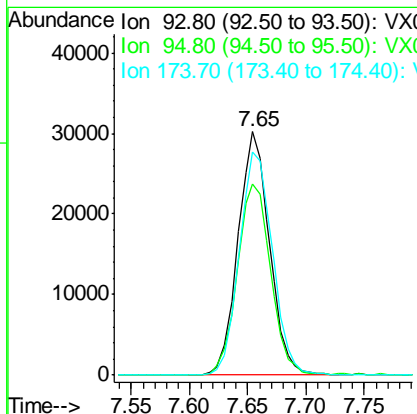
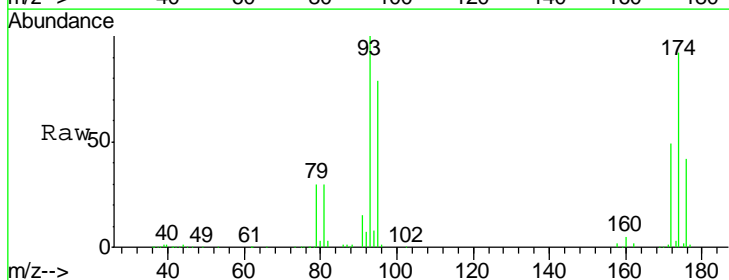
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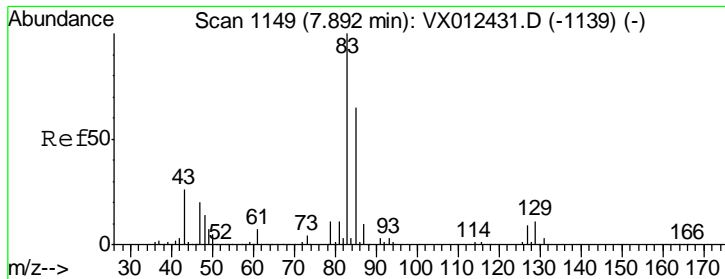
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#46
 Dibromomethane
 Concen: 36.555 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.3	66.6	100.0
174	96.7	77.4	116.0





#47

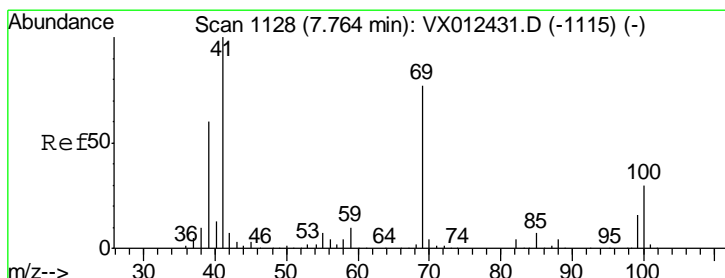
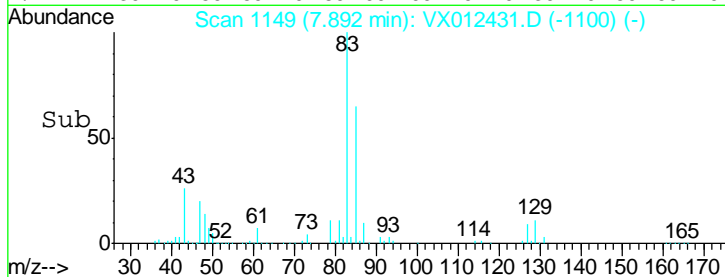
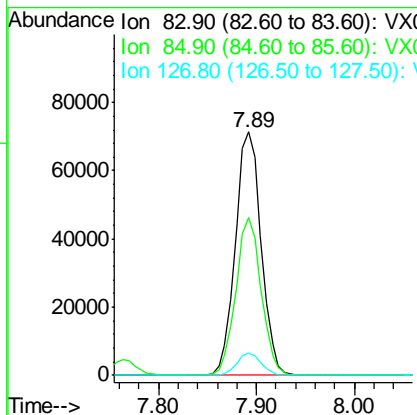
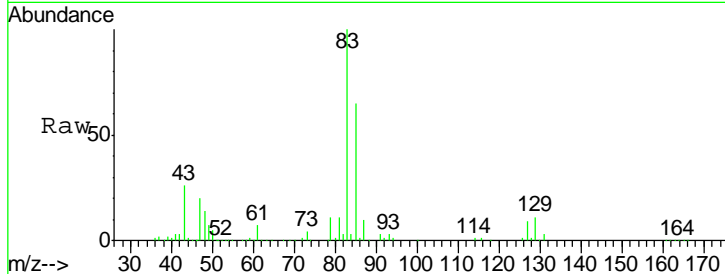
Bromodichloromethane
 Concen: 37.563 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	130510		
85	64.7	51.8	77.6
127	9.1	7.3	10.9

Manual Integrations
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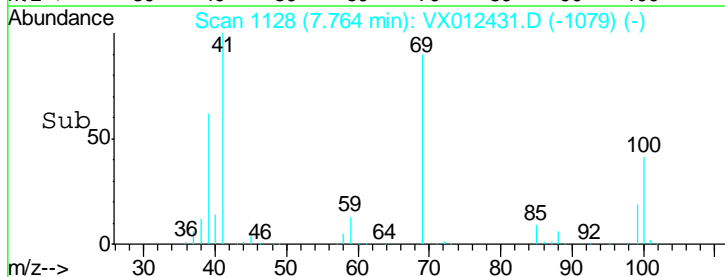
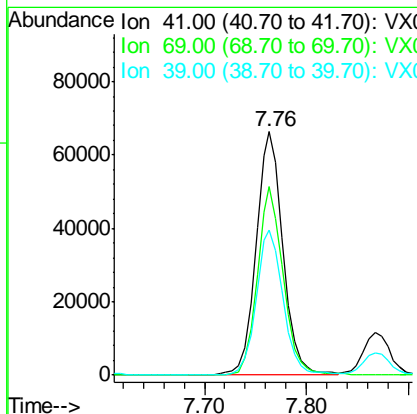
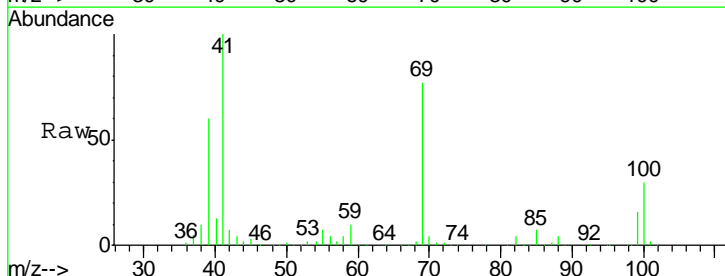
MMDadoda
 9/18/2019 11:22:13 AM

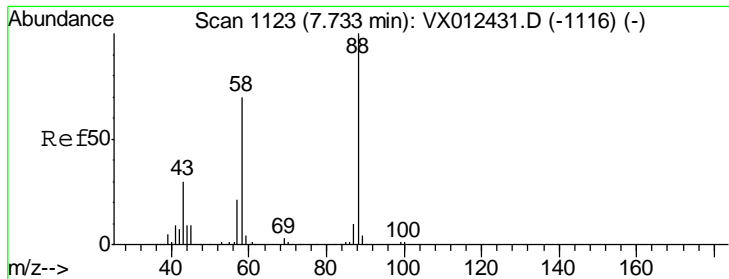


#48

Methyl methacrylate
 Concen: 41.221 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
41	120843		
69	74.9	59.9	89.9
39	59.7	47.8	71.6





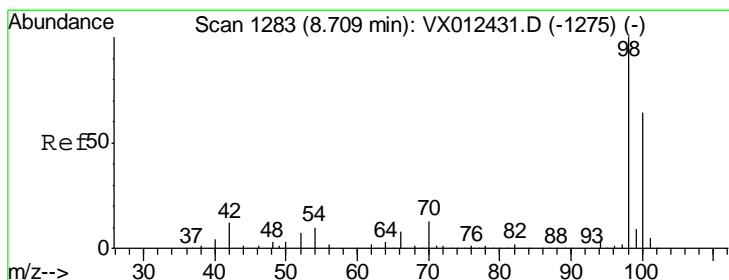
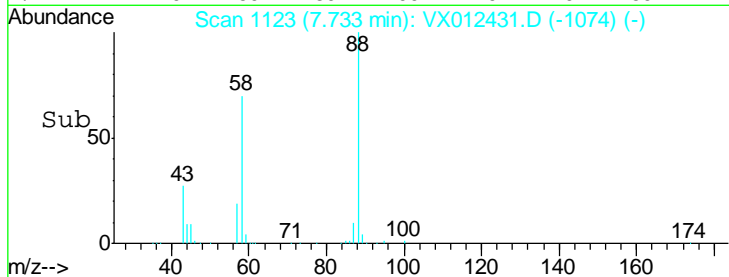
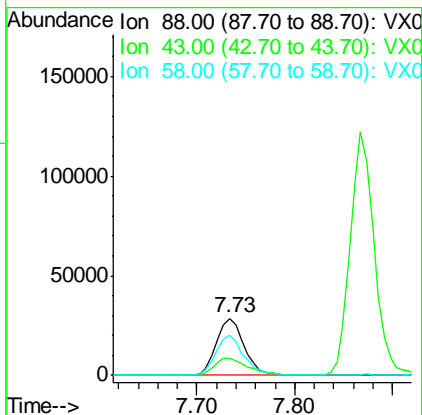
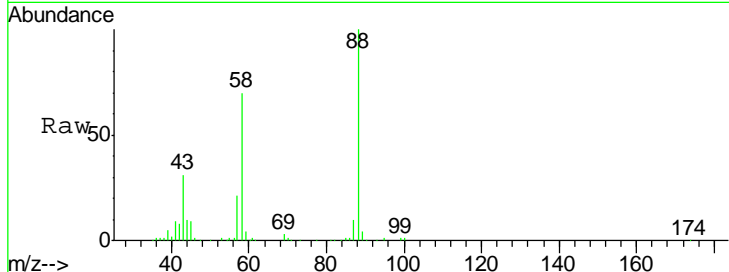
#49
 1,4-Dioxane
 Concen: 757.886 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
88	56687		
88	100		
43	36.7	29.4	44.0
58	71.9	57.5	86.3

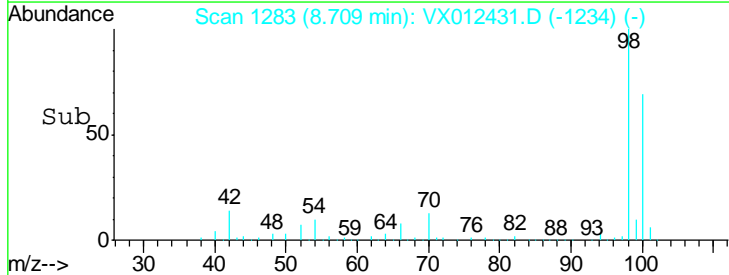
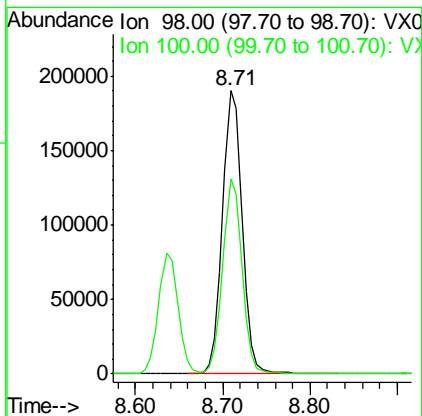
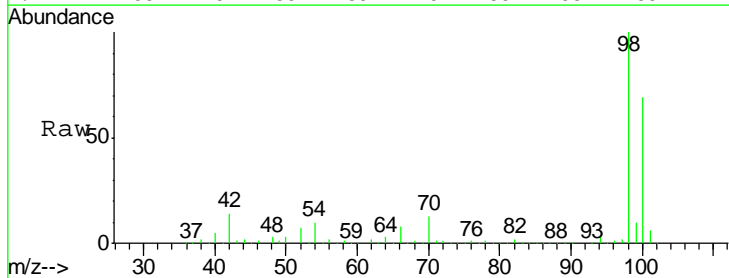
Manual Integrations
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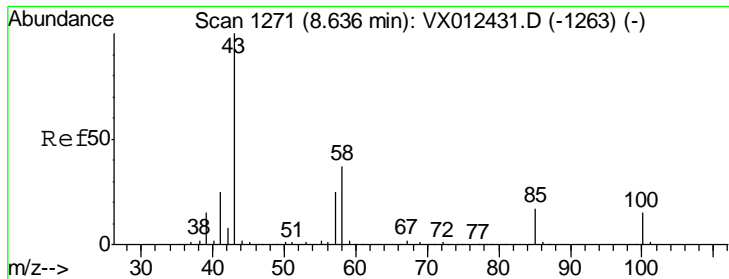
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#50
 Toluene-d8
 Concen: 33.115 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
98	297445		
98	100		
100	66.8	53.4	80.2



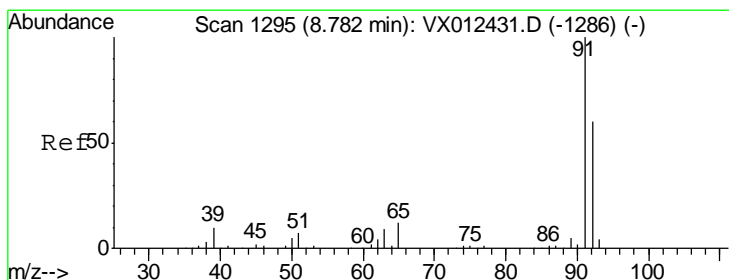
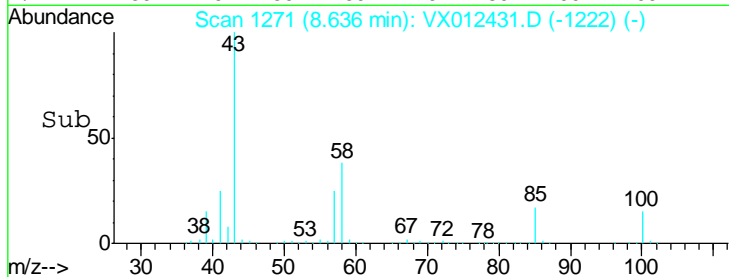
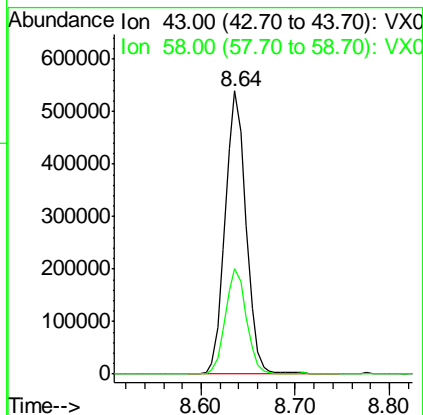
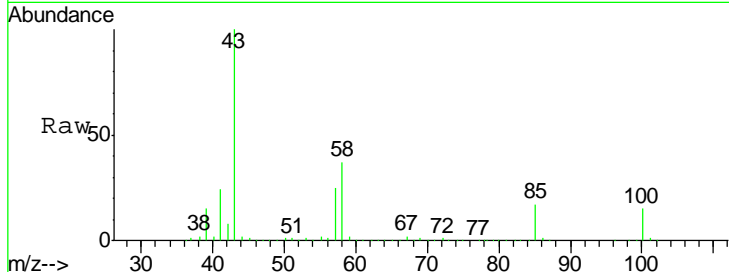


#51
 4-Methyl-2-Pentanone
 Concen: 195.485 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	100		
58	37.2	29.8	44.6

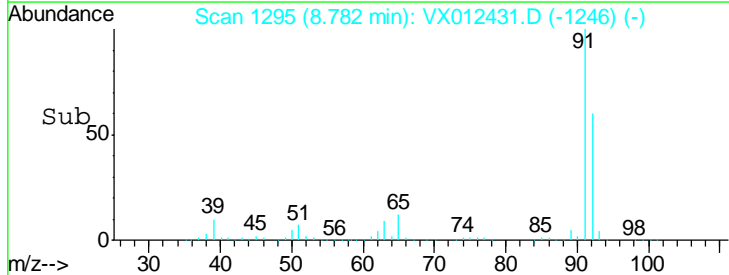
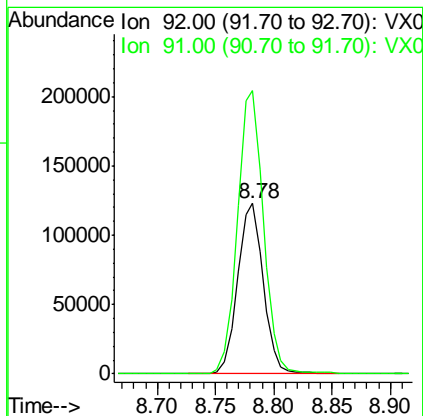
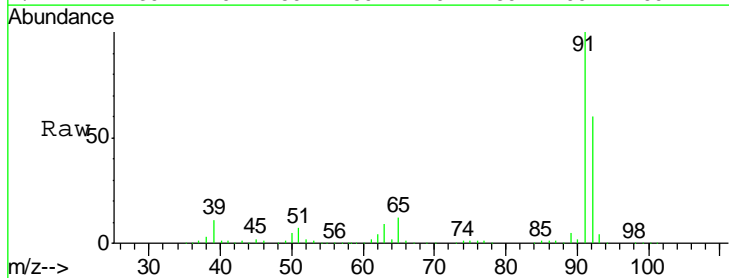
Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

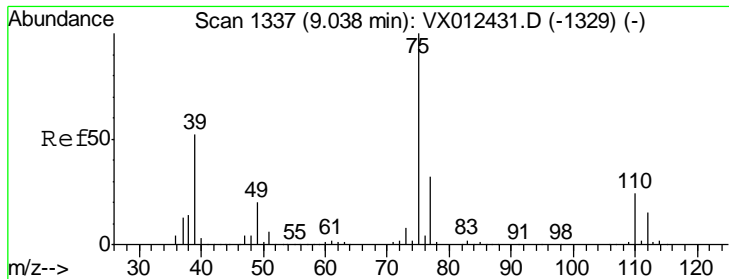
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#52
 Toluene
 Concen: 38.132 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.2	135.4	203.0





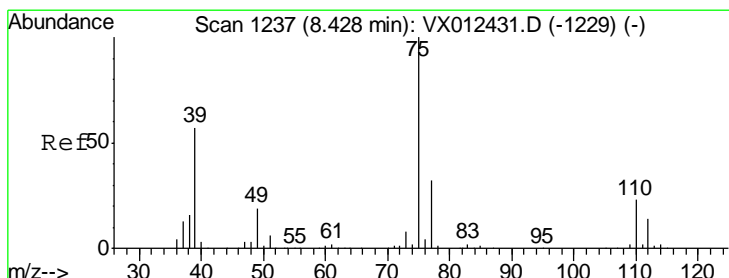
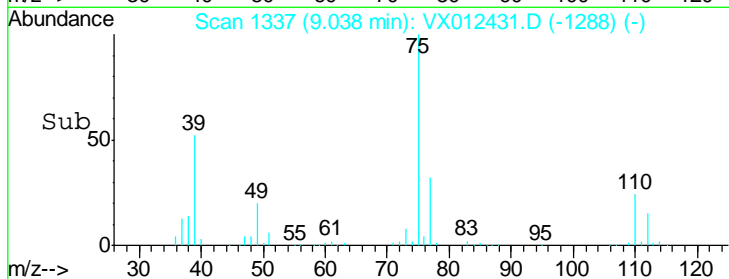
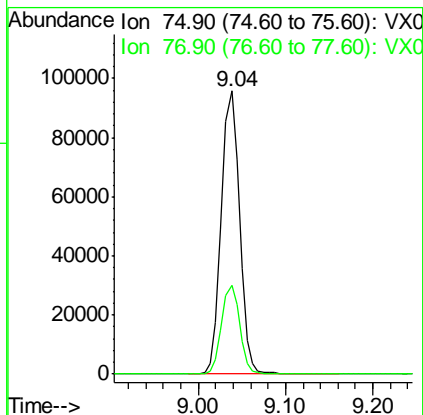
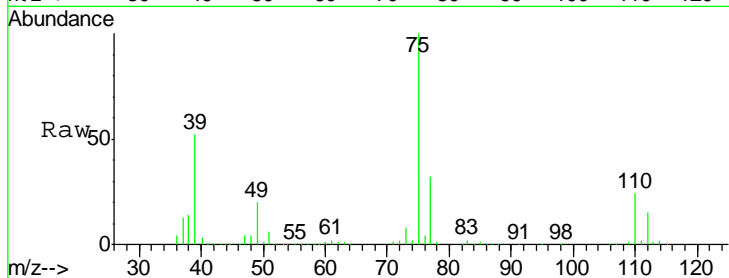
#53
 t-1,3-Dichloropropene
 Concen: 38.518 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.5	25.2	37.8

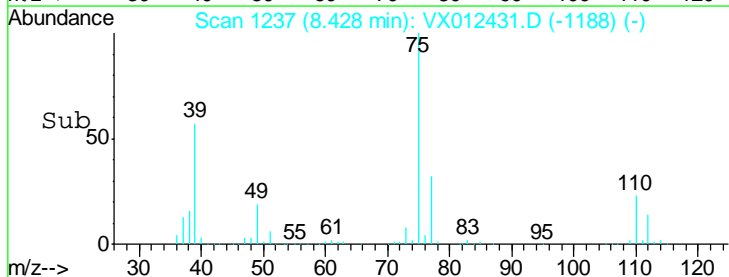
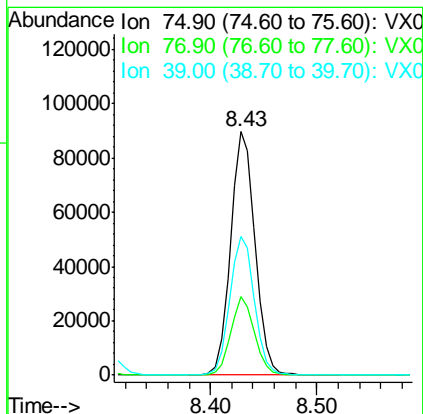
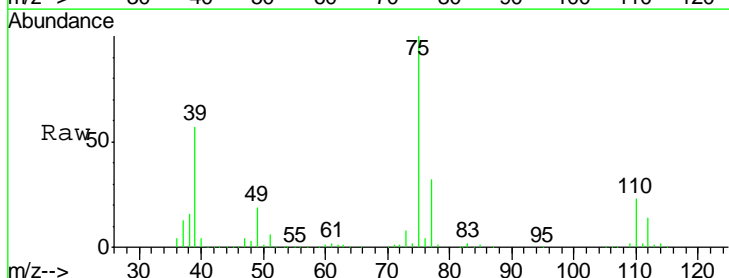
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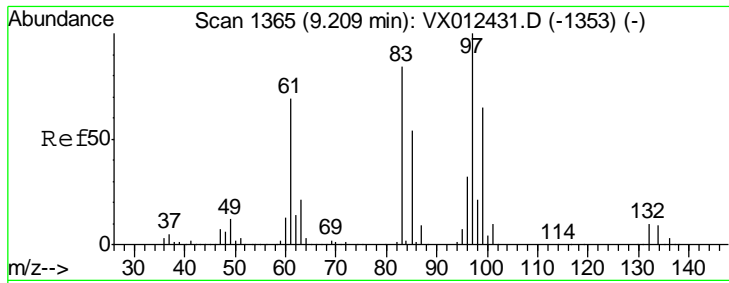
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#54
 cis-1,3-Dichloropropene
 Concen: 38.557 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

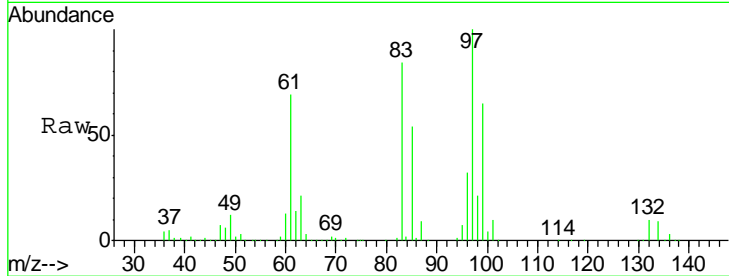
Tgt Ion	Resp	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	56.9	45.5	68.3





#55
 1,1,2-Trichloroethane
 Concen: 35.859 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

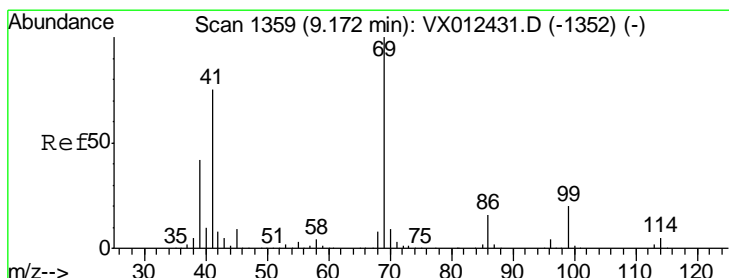
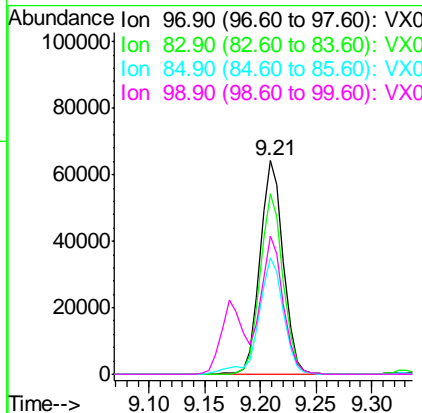
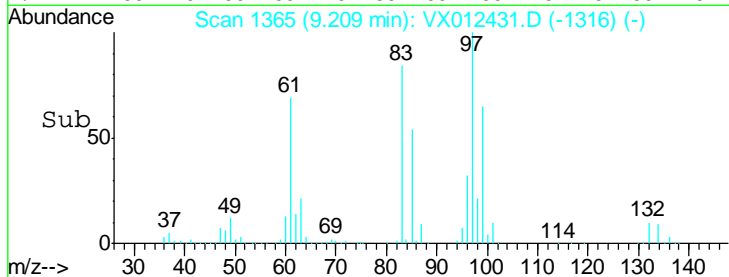
Instrument : MSVOA_X
 ClientSampled : VSTDICCC050



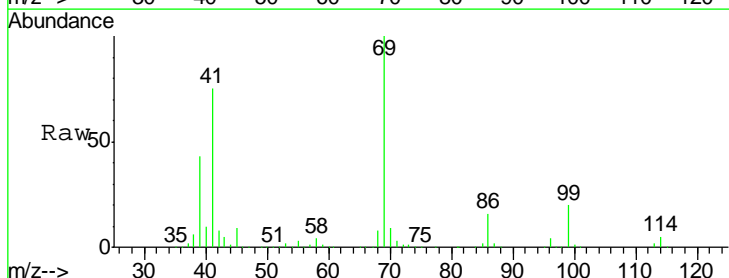
Tgt Ion: 97 Resp: 94215

Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	54.4	43.5	65.3
99	64.8	51.8	77.8

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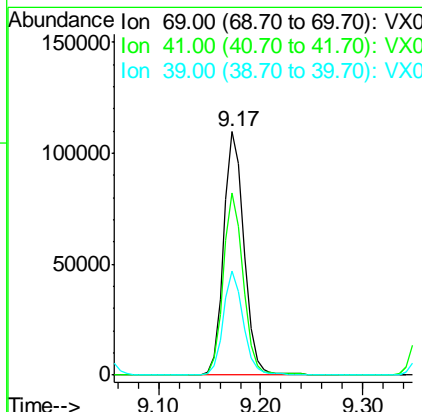
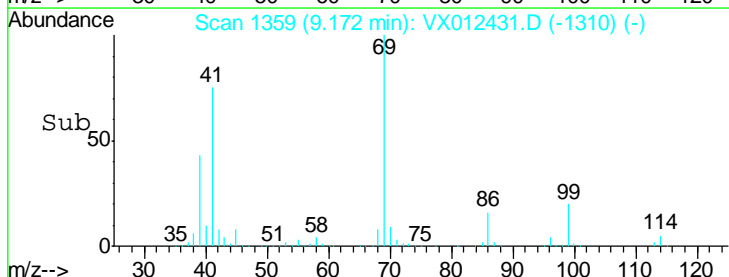


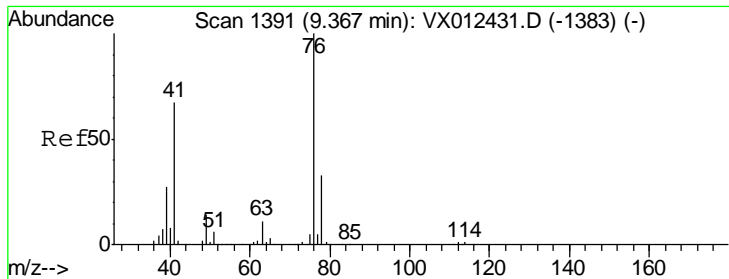
#56
 Ethyl methacrylate
 Concen: 38.720 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09



Tgt Ion: 69 Resp: 152884

Ion	Ratio	Lower	Upper
69	100		
41	73.0	58.4	87.6
39	41.7	33.4	50.0





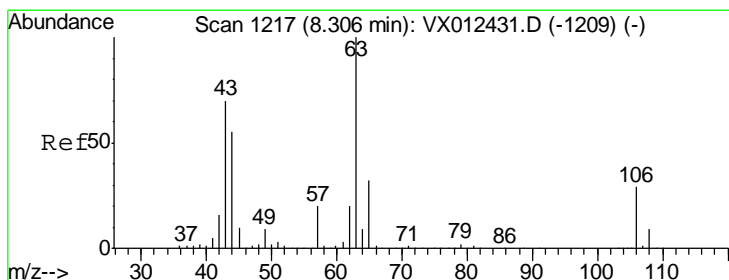
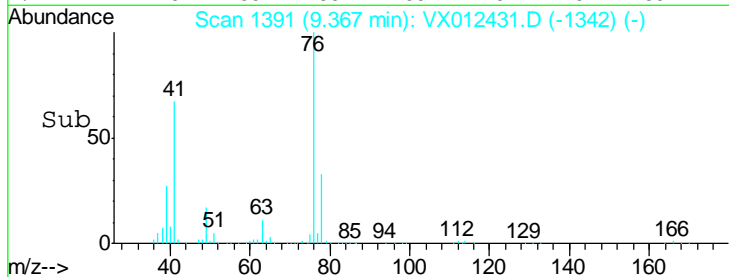
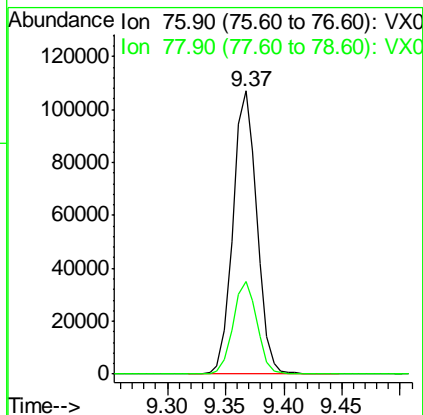
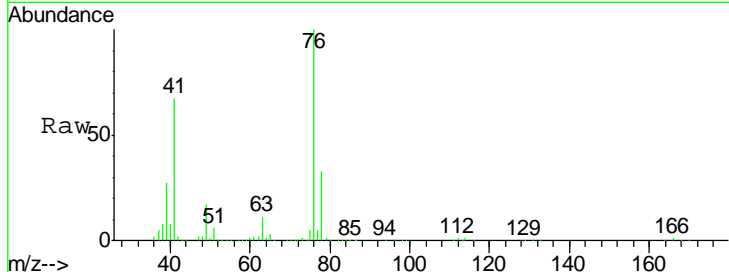
#57
 1,3-Dichloropropane
 Concen: 36.911 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	153502		
76	100		
78	32.7	26.2	39.2

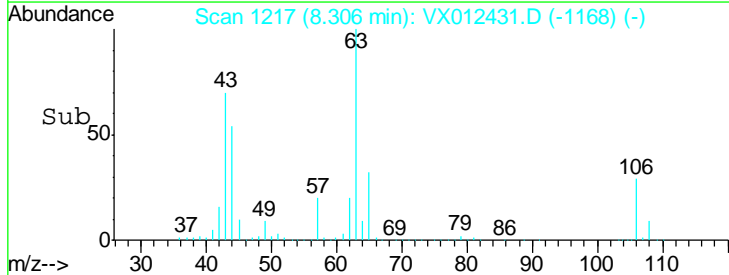
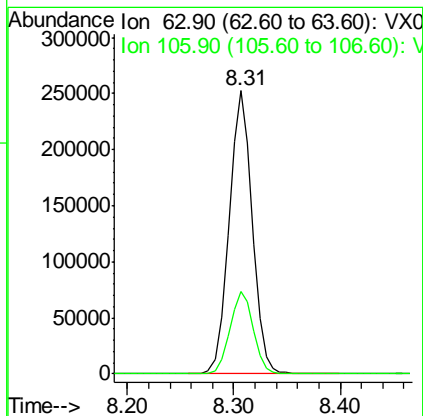
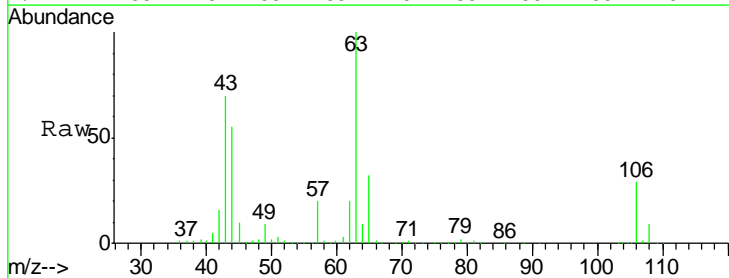
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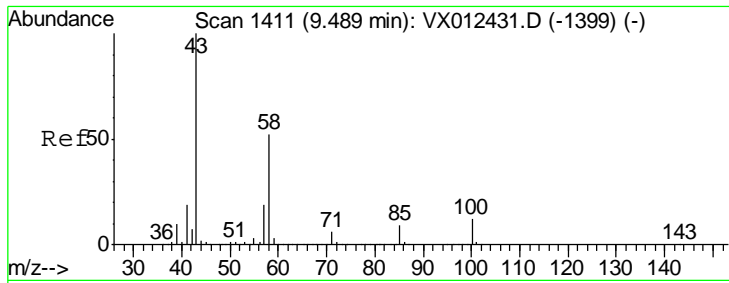
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#58
 2-Chloroethyl Vinyl ether
 Concen: 181.871 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
63	382766		
63	100		
106	29.7	23.8	35.6





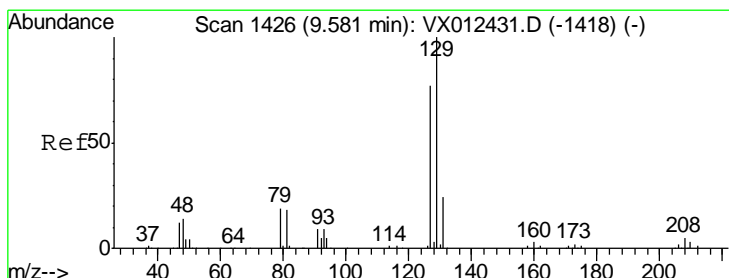
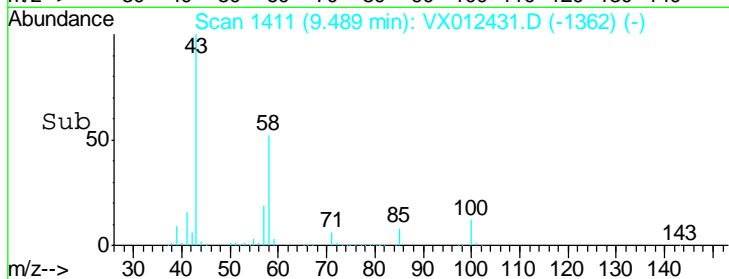
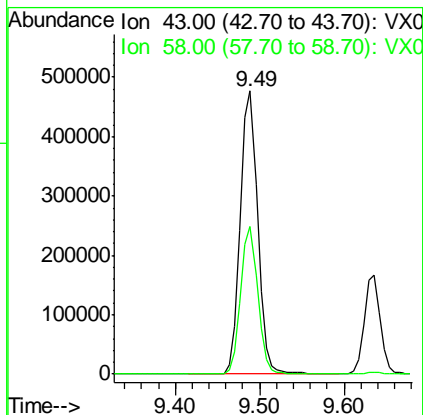
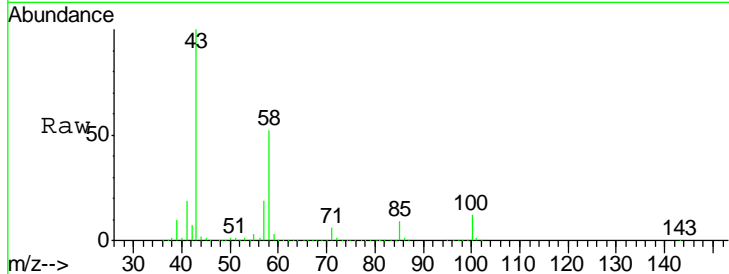
#59
 2-Hexanone
 Concen: 198.526 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	51.4	25.7	77.1

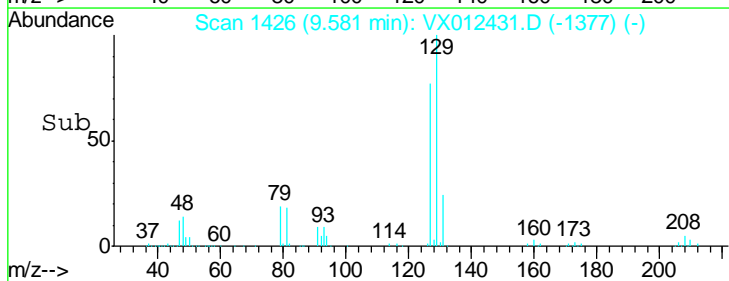
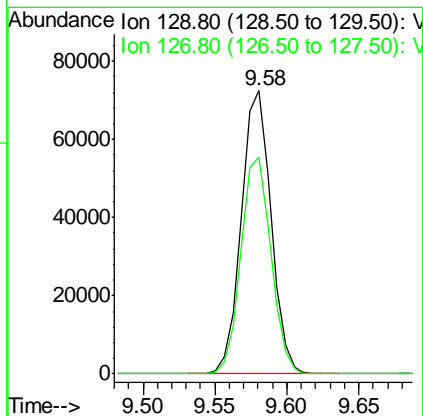
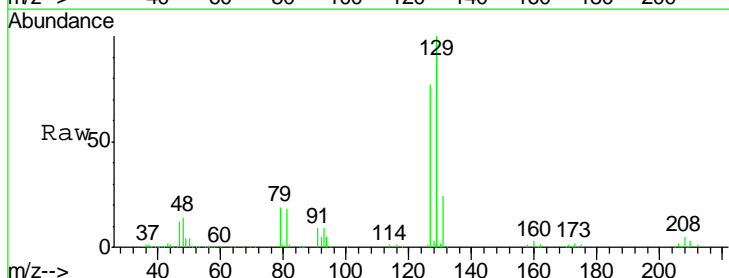
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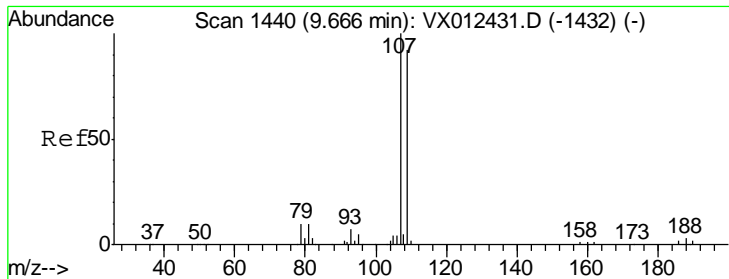
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#60
 Dibromochloromethane
 Concen: 38.549 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.7	38.9	116.6





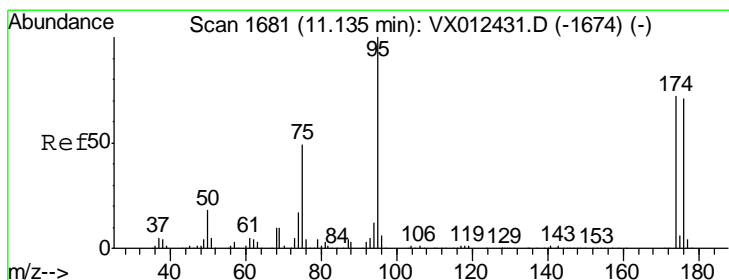
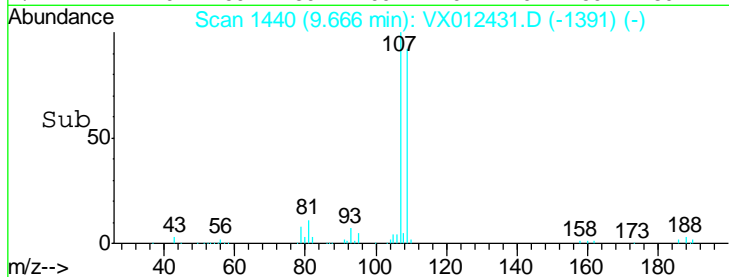
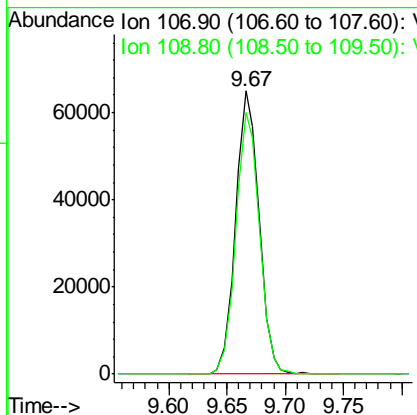
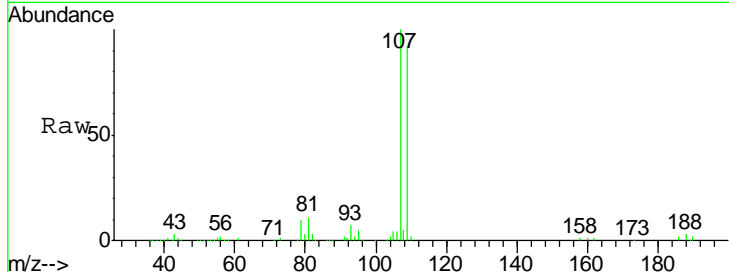
#61
 1,2-Dibromoethane
 Concen: 37.898 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.4	74.7	112.1

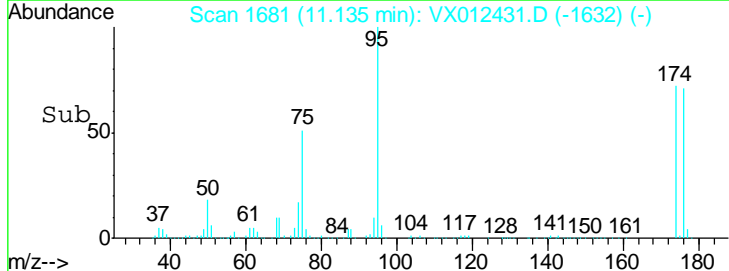
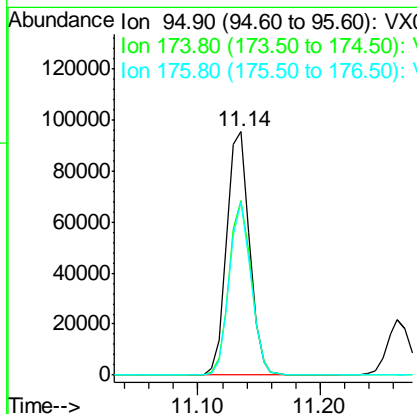
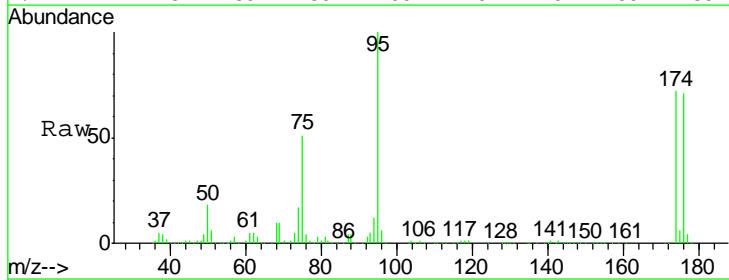
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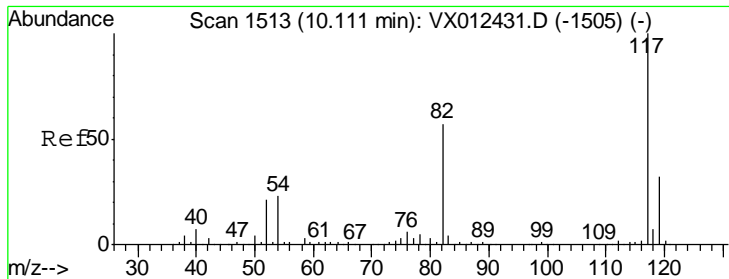
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#62
 4-Bromofluorobenzene
 Concen: 32.241 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

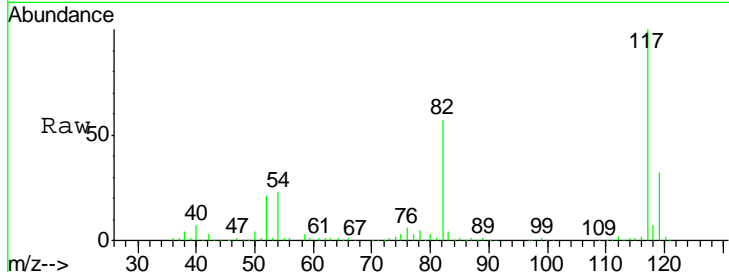
Tgt Ion	Resp	Lower	Upper
95	100		
174	70.0	0.0	140.0
176	67.7	0.0	135.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

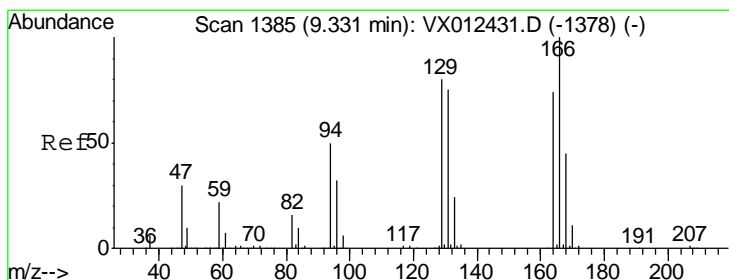
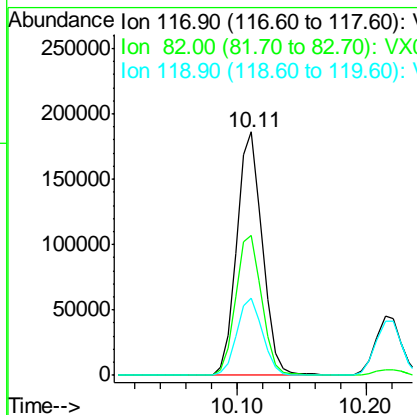
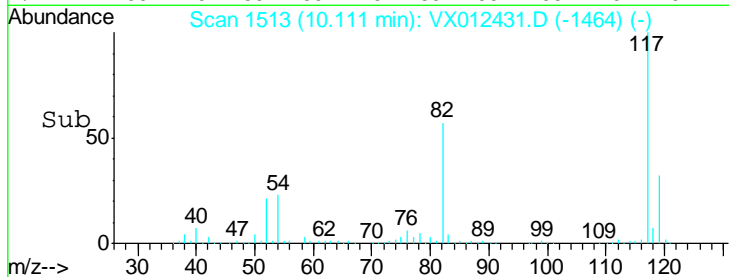
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDICCC050



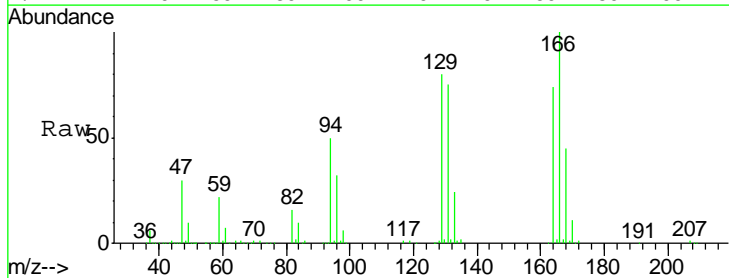
Tgt Ion: 117 Resp: 257184

Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.9	68.9
119	31.6	25.3	37.9

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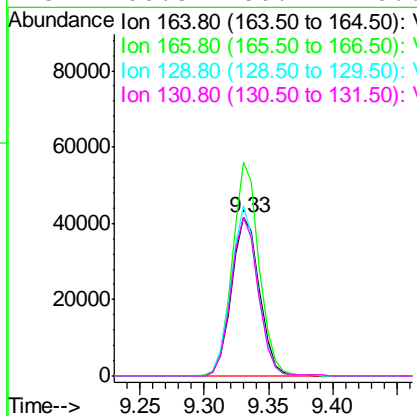
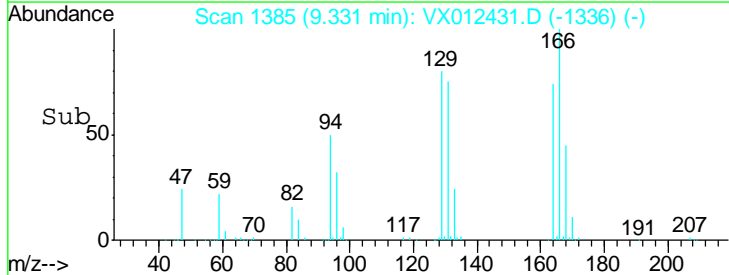


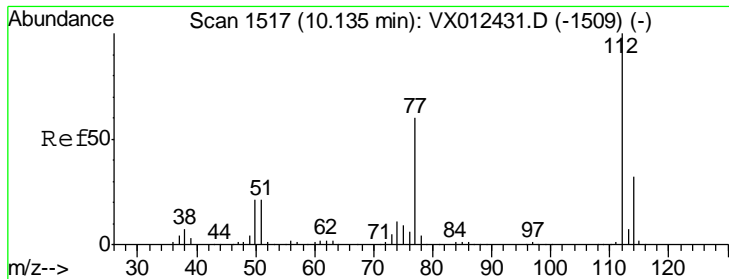
#64
 Tetrachloroethene
 Concen: 38.852 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09



Tgt Ion: 164 Resp: 62520

Ion	Ratio	Lower	Upper
164	100		
166	134.7	107.8	161.6
129	107.7	86.2	129.2
131	100.5	80.4	120.6





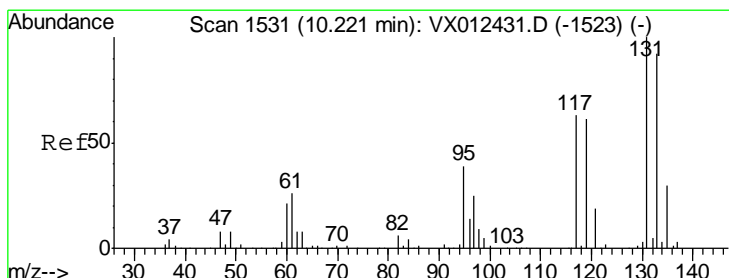
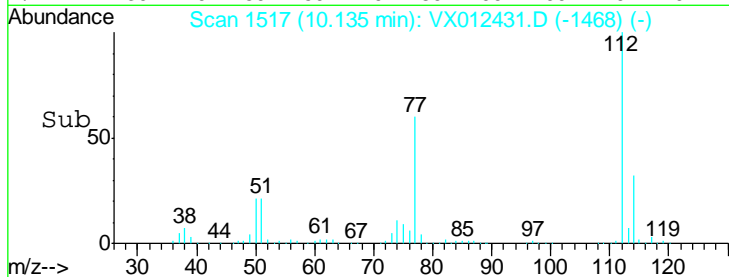
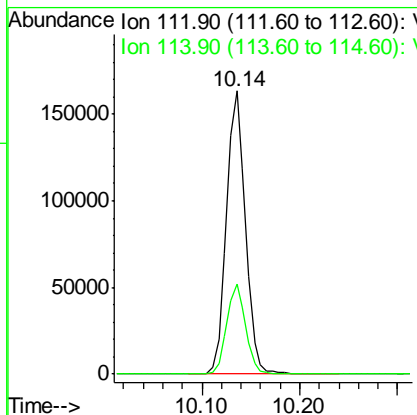
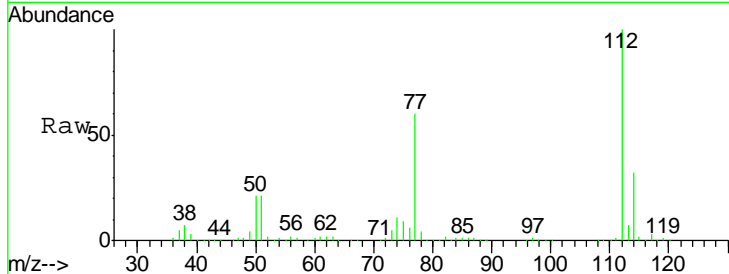
#65
 Chlorobenzene
 Concen: 38.789 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.7	25.4	38.0

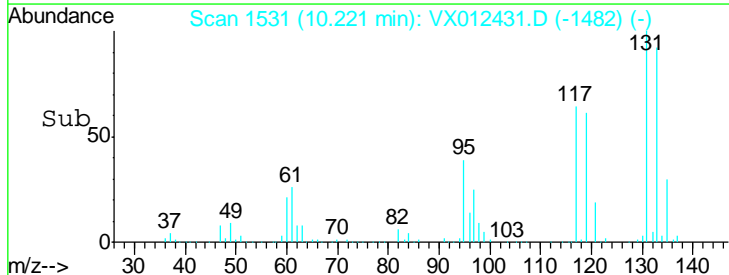
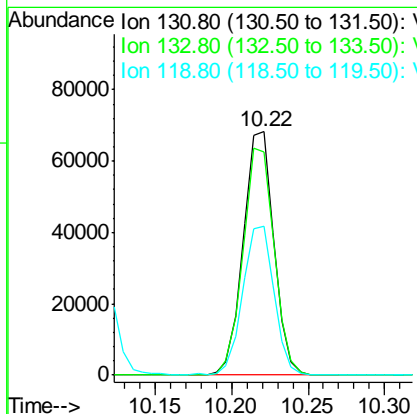
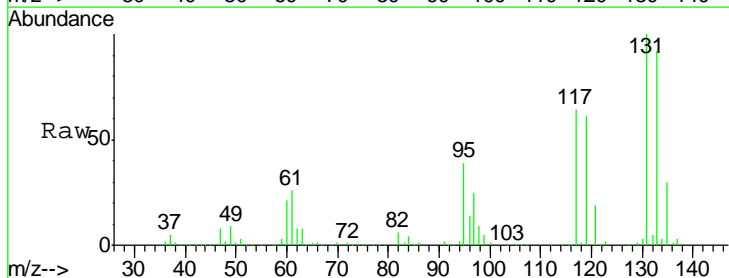
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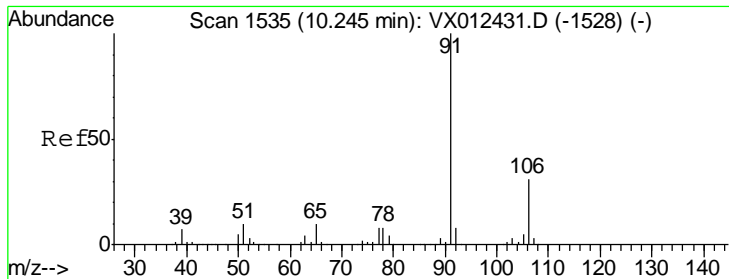
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 39.375 ug/l
 RT: 10.22 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.3	47.6	142.9
119	62.5	31.3	93.8





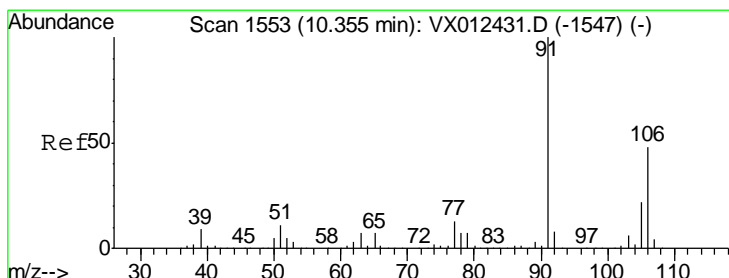
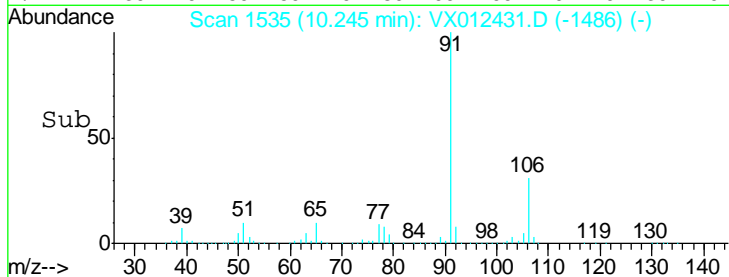
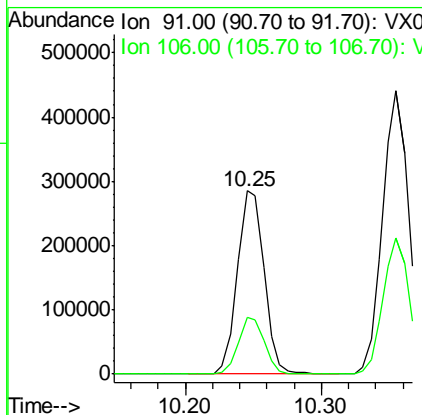
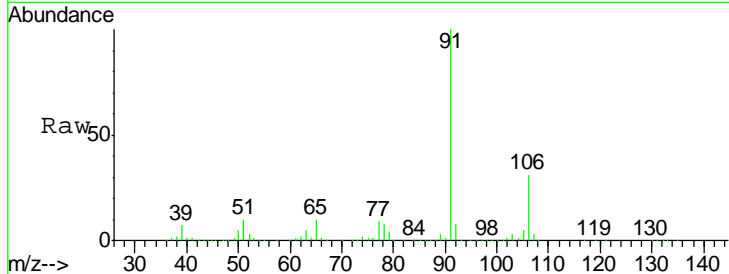
#67
 Ethyl Benzene
 Concen: 40.433 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.8	24.6	37.0

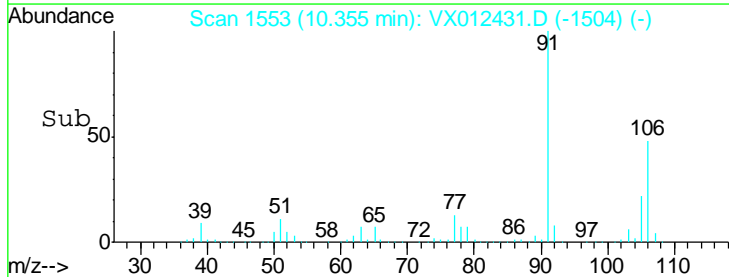
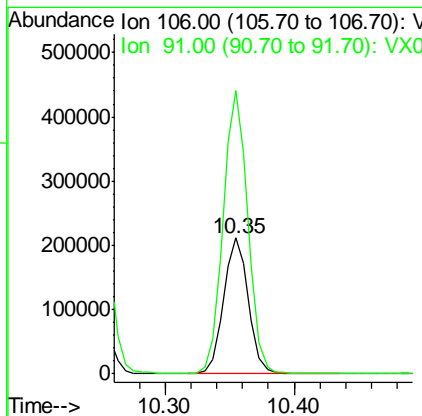
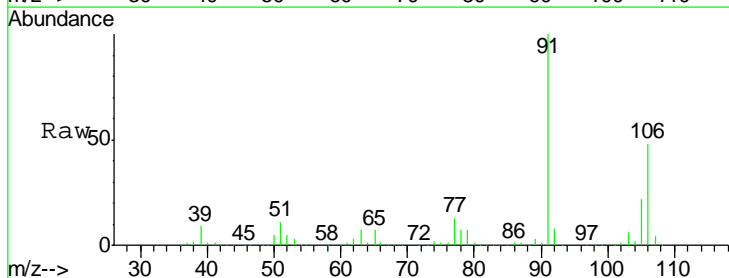
Manual Integrations
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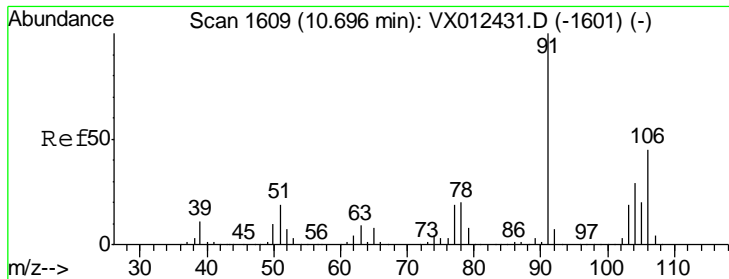
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#68
 m/p-Xylenes
 Concen: 80.068 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
106	100		
91	208.3	166.6	250.0





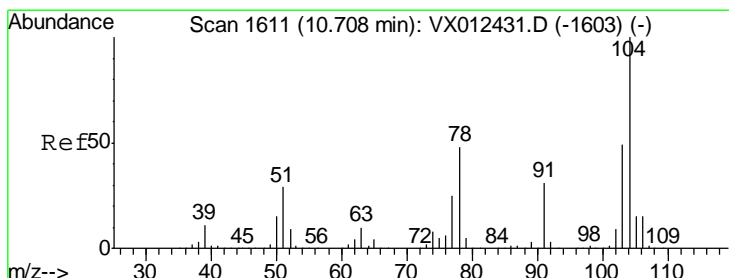
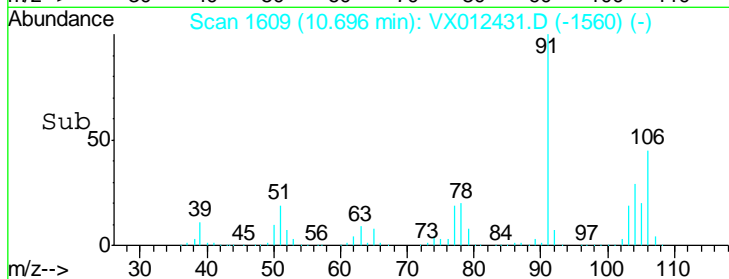
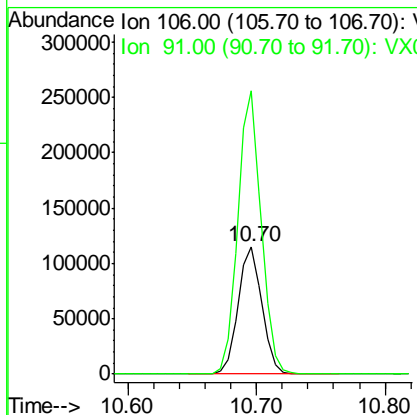
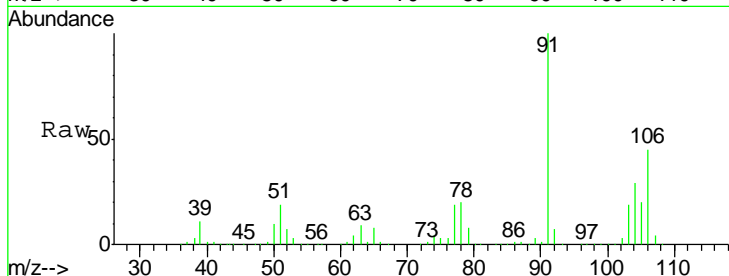
#69
 o-Xylene
 Concen: 39.679 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
106	146965		
106	100		
91	218.8	109.4	328.2

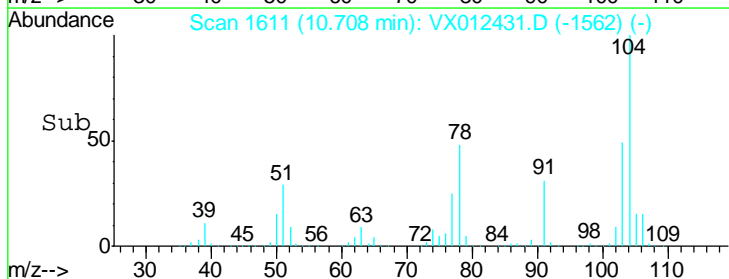
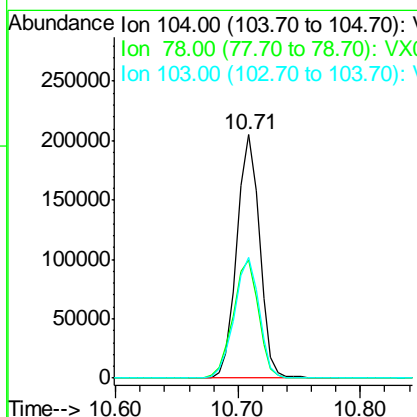
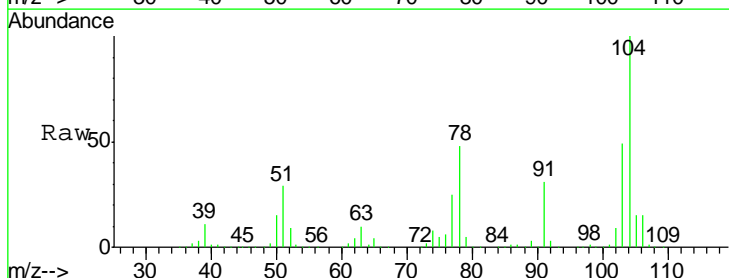
Manual Integrations
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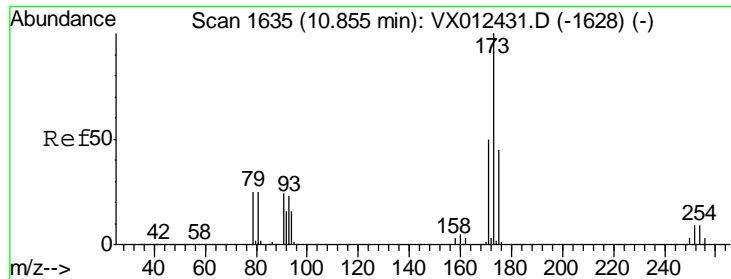
MMDadoda
 9/18/2019 11:22:13 AM



#70
 Styrene
 Concen: 40.991 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
104	263107		
104	100		
78	54.3	43.4	65.2
103	54.1	43.3	64.9





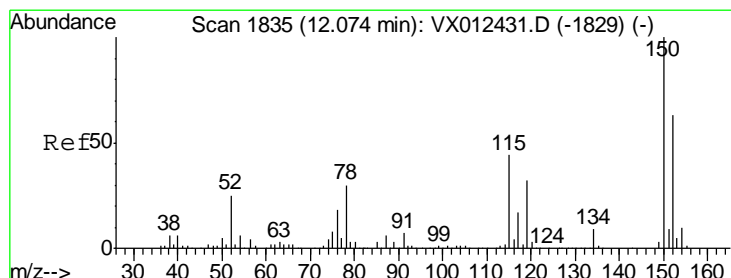
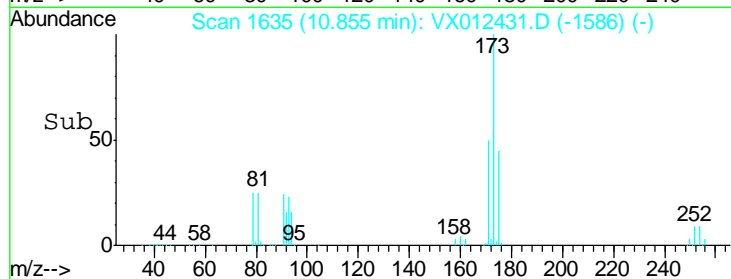
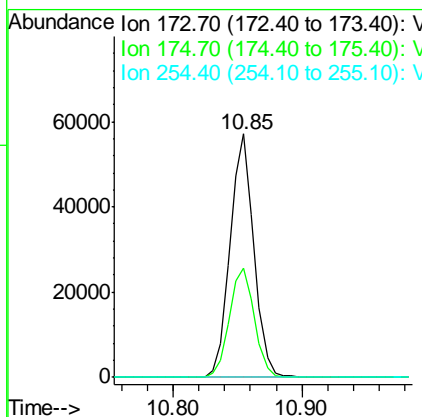
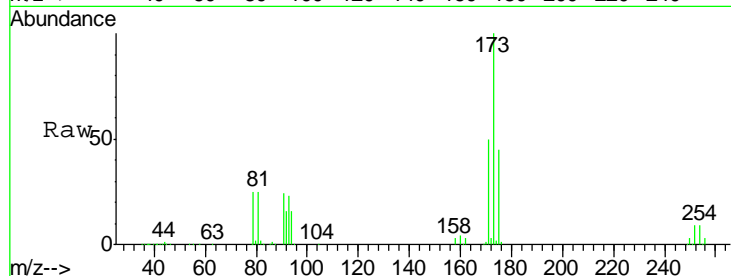
#71
 Bromoform
 Concen: 39.959 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	47.4	23.7	71.1
254	0.1	0.1	0.1

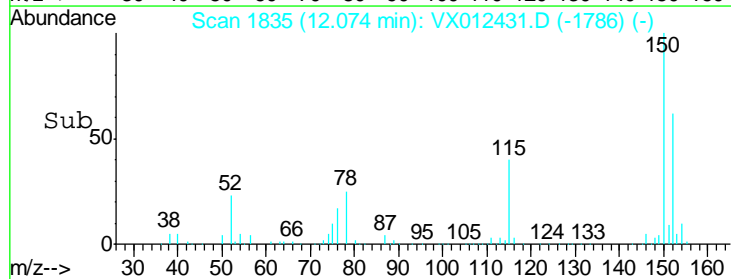
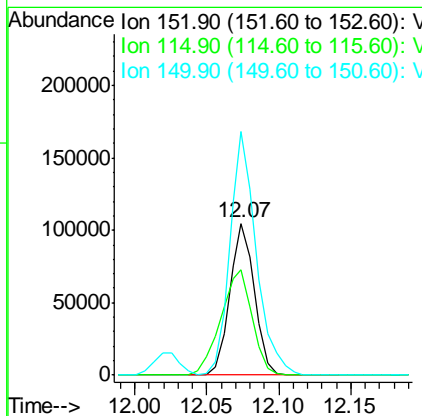
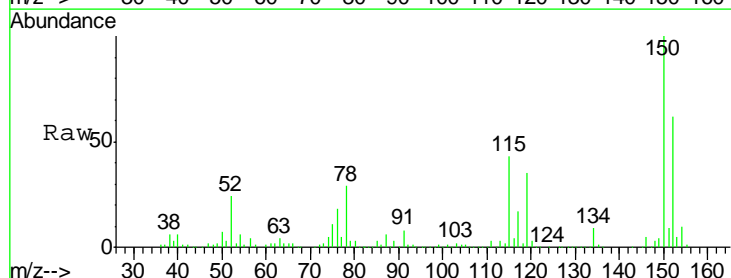
Manual Integrations
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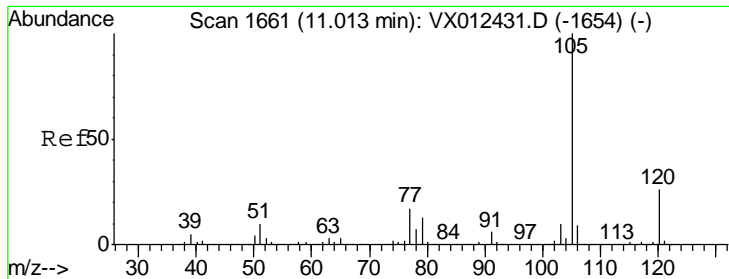
MMDadoda
 9/18/2019 11:22:13 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
152	100		
115	88.2	44.1	132.3
150	171.9	0.0	343.8





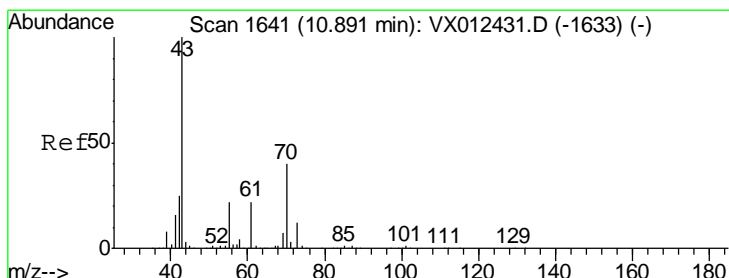
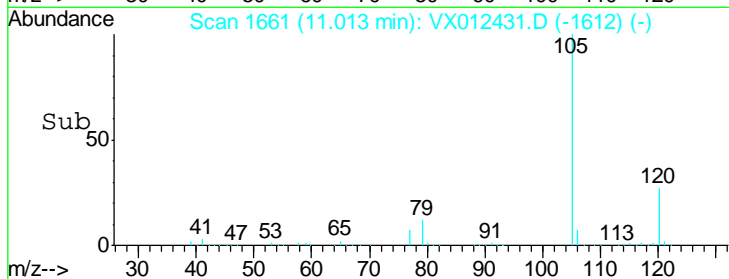
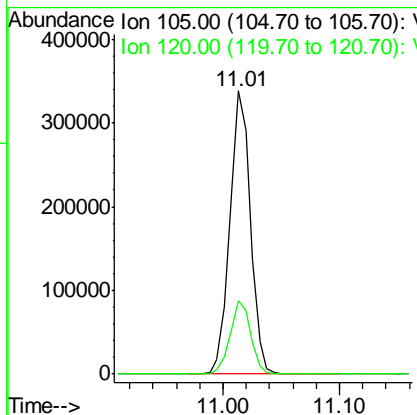
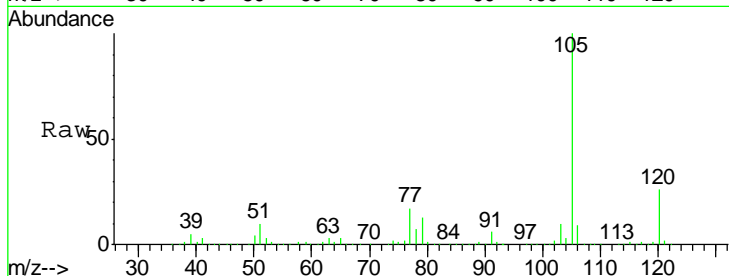
#73
 Isopropylbenzene
 Concen: 48.967 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	100		
120	25.8	12.9	38.7

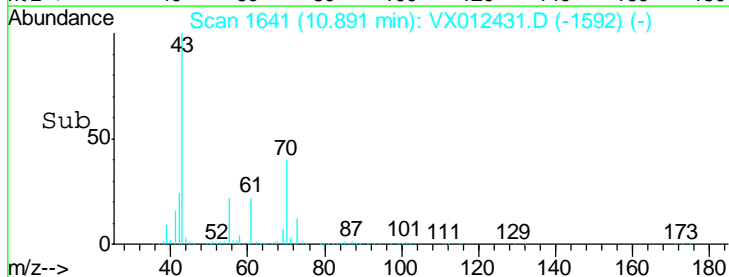
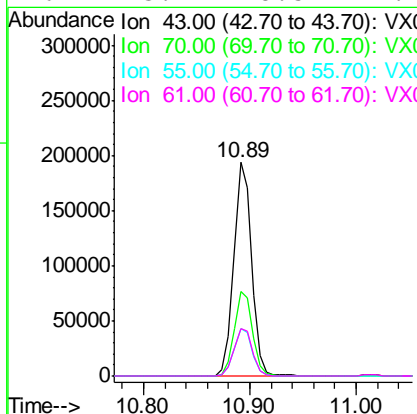
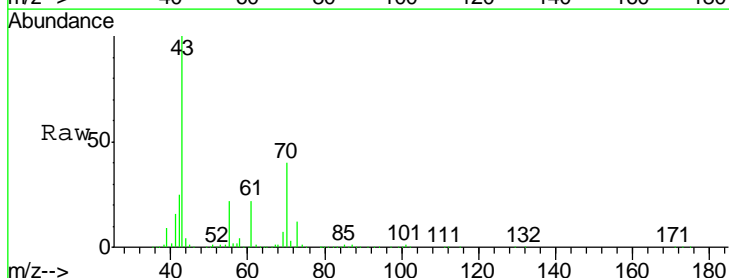
Manual Integrations
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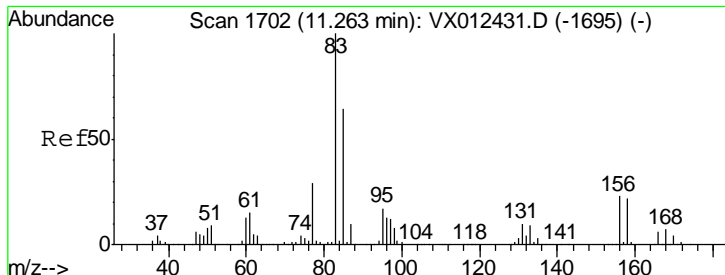
MMDadoda
 9/18/2019 11:22:13 AM



#74
 N-nyl acetate
 Concen: 50.449 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	100		
70	40.5	32.4	48.6
55	22.8	18.2	27.4
61	23.1	18.5	27.7





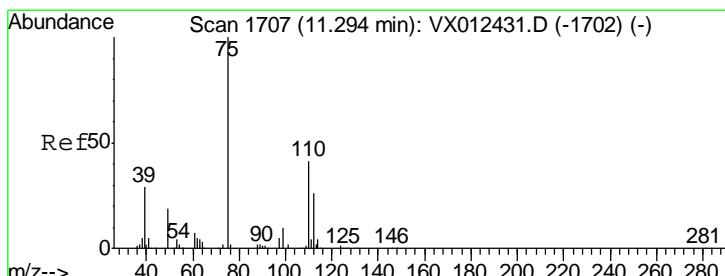
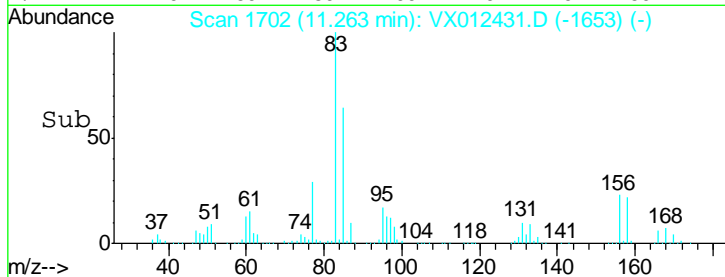
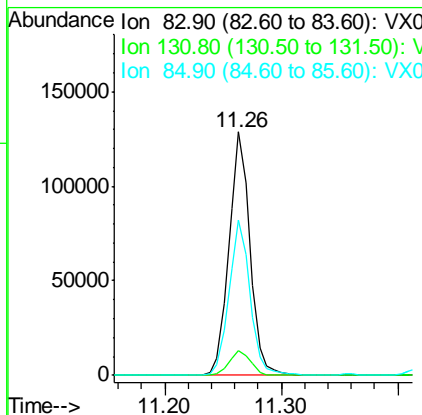
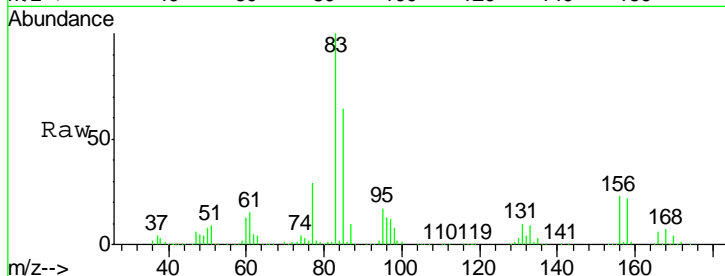
#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.330 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	161513		
83	100		
131	10.4	5.2	15.6
85	64.0	32.0	96.0

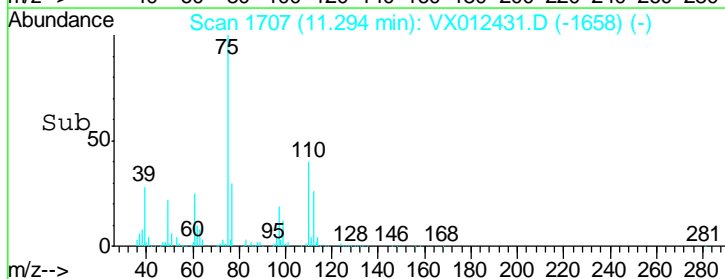
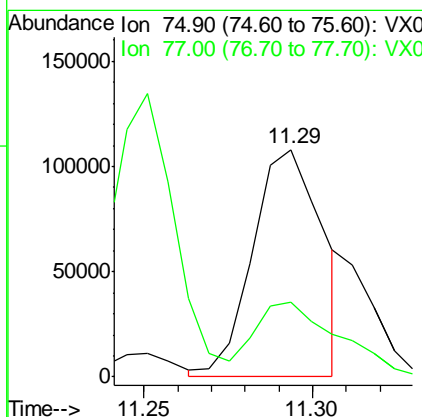
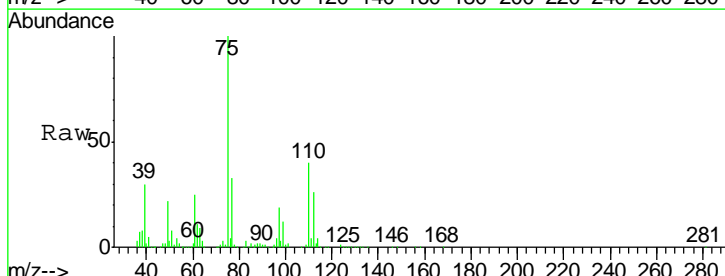
Manual Integrations
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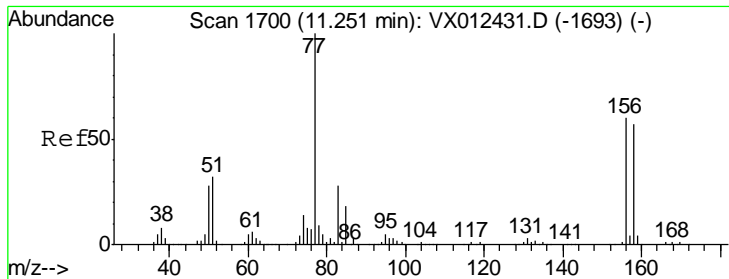
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 9/18/2019 11:22:13 AM



#76
 1,2,3-Trichloropropane
 Concen: 49.170 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

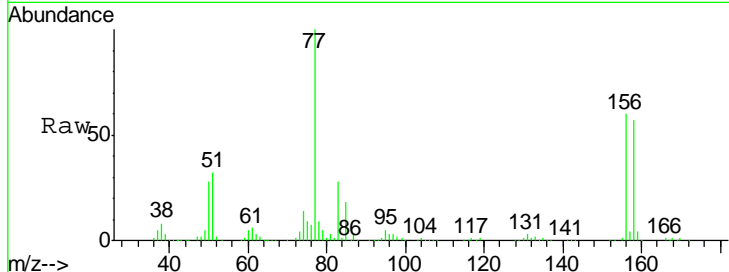
Tgt Ion	Resp	Lower	Upper
75	155802		
75	100		
77	39.3	19.7	59.0





#77
 Bromobenzene
 Concen: 46.287 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

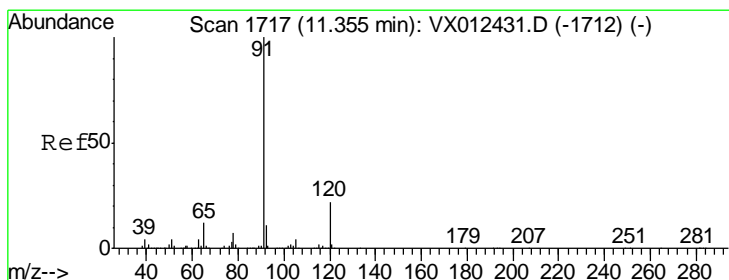
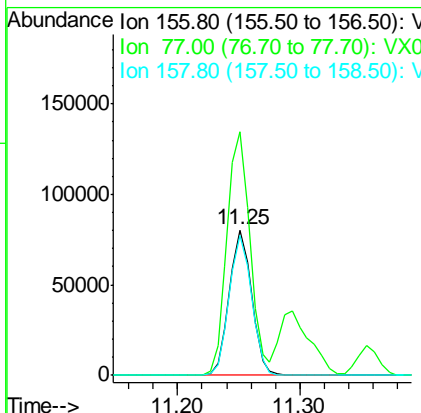
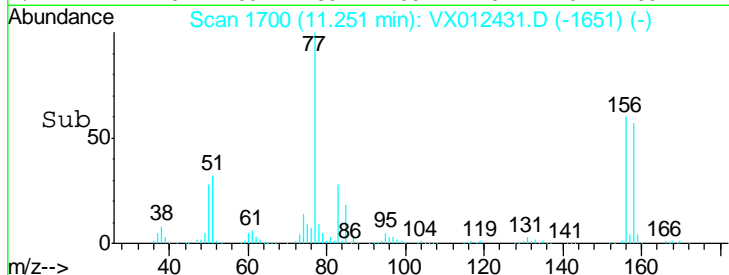
Instrument : MSVOA_X
 Client Sampled : VSTDICCC050



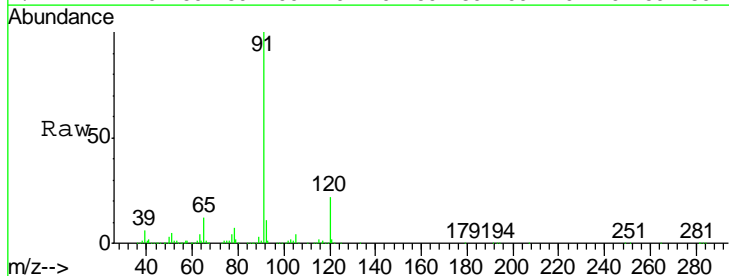
Tgt Ion: 156 Resp: 100803

Ion	Ratio	Lower	Upper
156	100		
77	174.5	87.3	261.8
158	97.1	48.5	145.6

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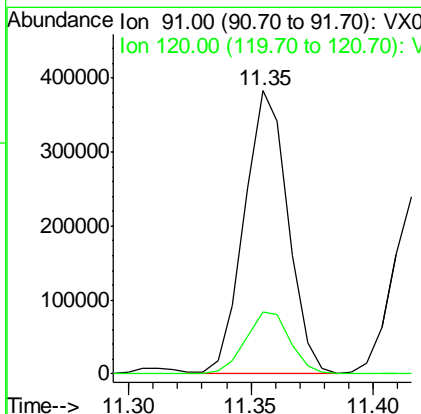
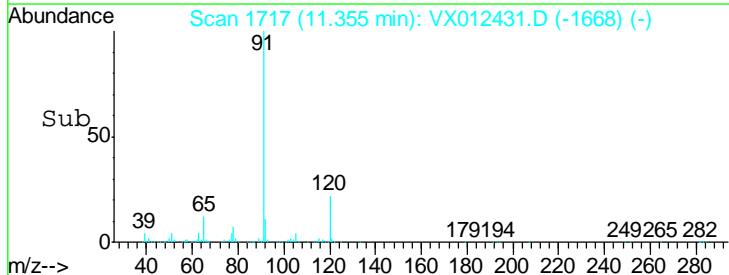


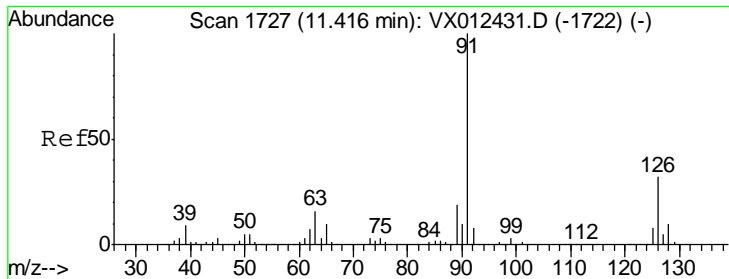
#78
 n-propylbenzene
 Concen: 48.870 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09



Tgt Ion: 91 Resp: 470064

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8





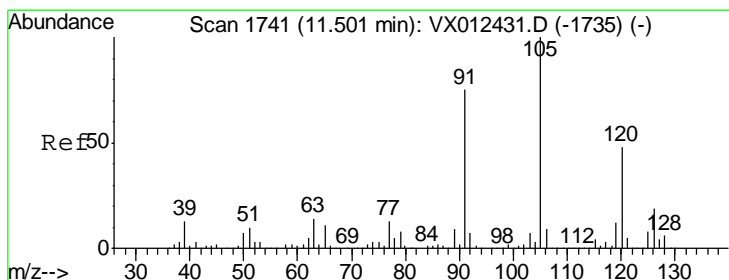
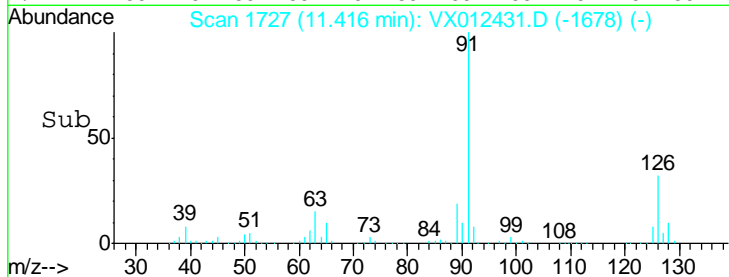
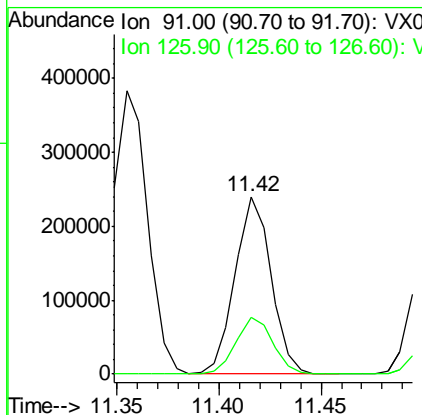
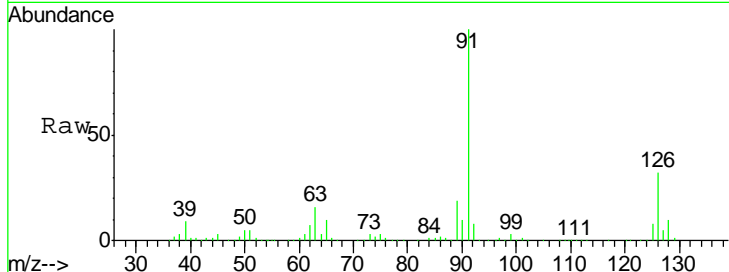
#79
 2-Chlorotoluene
 Concen: 47.451 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
126	32.9	16.4	49.4

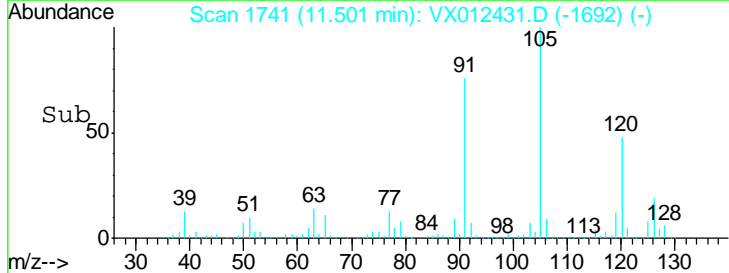
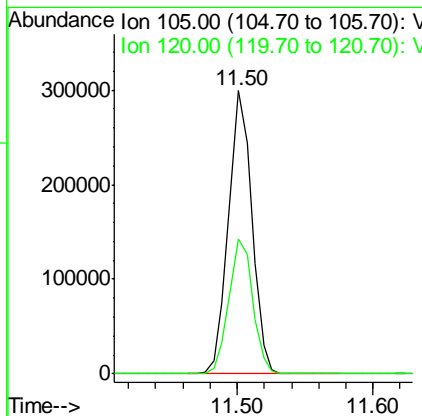
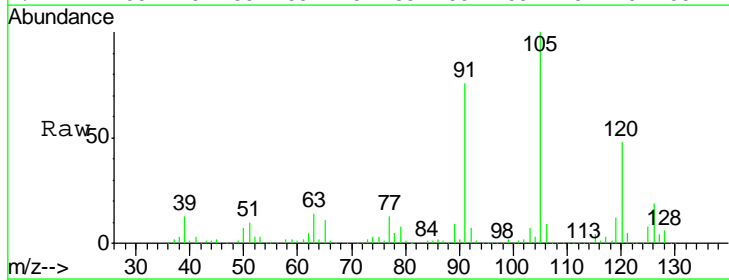
Manual Integrations
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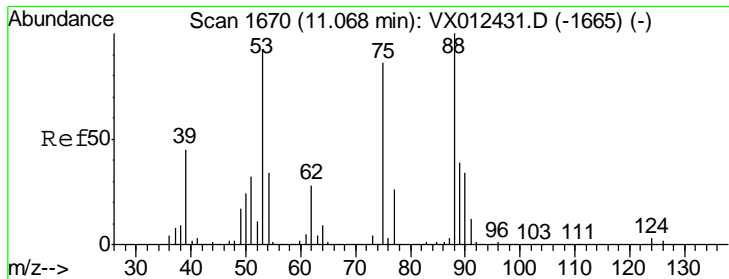
MMDadoda
 9/18/2019 11:22:13 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.581 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
105	100		
120	48.5	24.3	72.8





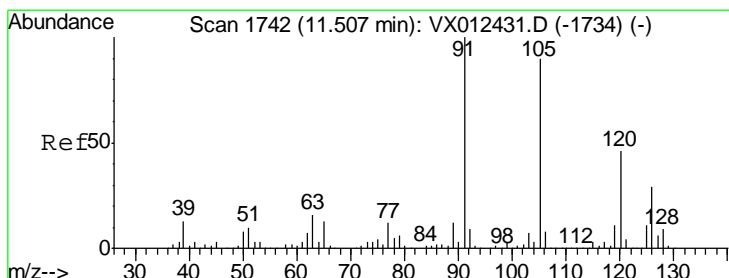
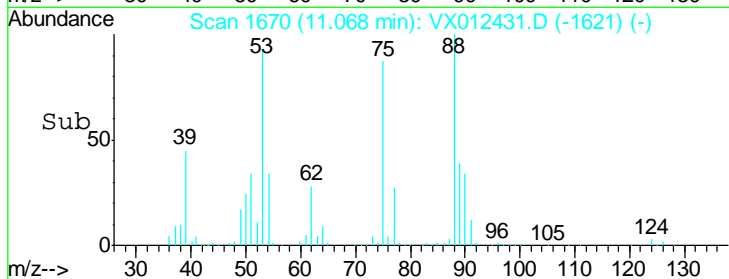
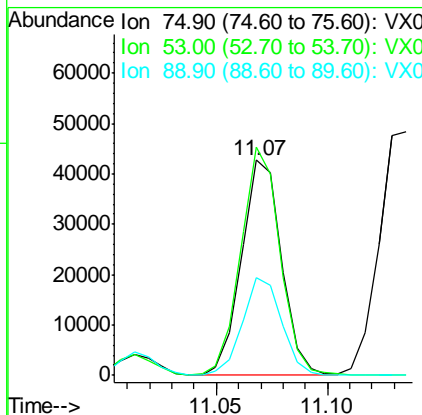
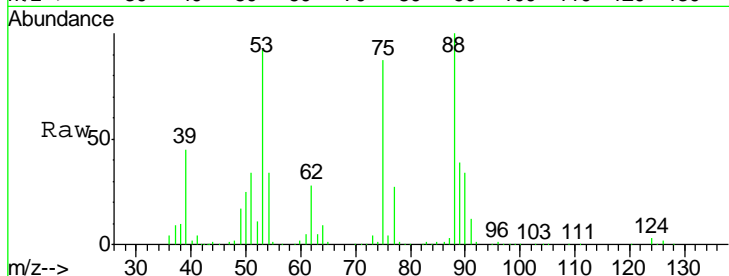
#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.319 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	53075		
75	100		
53	104.5	83.6	125.4
89	45.4	36.3	54.5

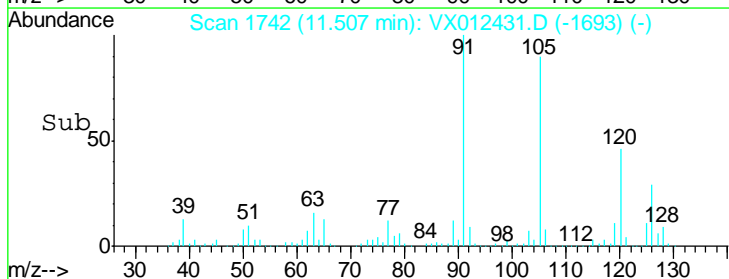
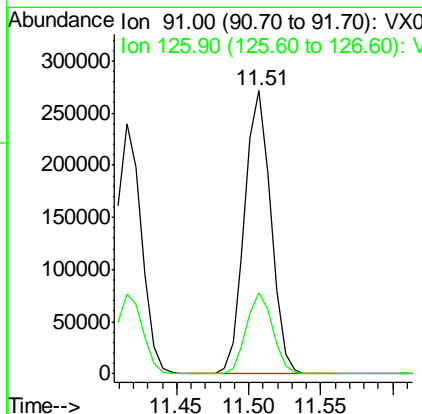
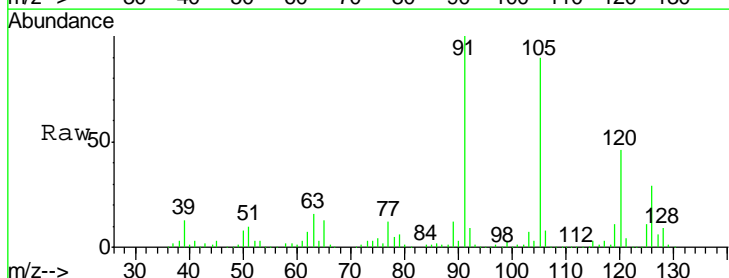
Manual Integrations
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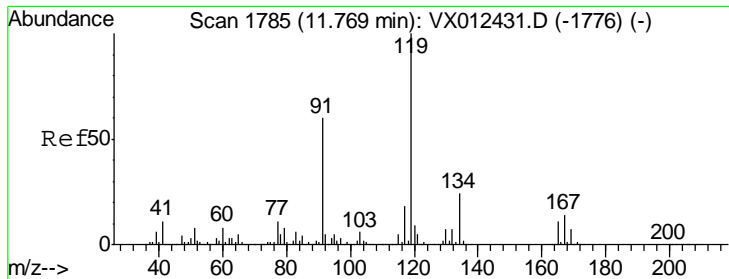
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#82
 4-Chlorotoluene
 Concen: 47.802 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
91	343100		
91	100		
126	28.7	14.4	43.0





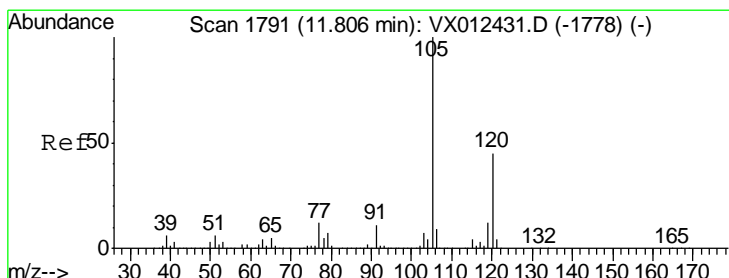
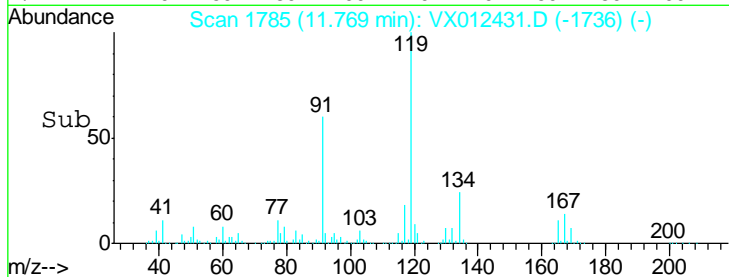
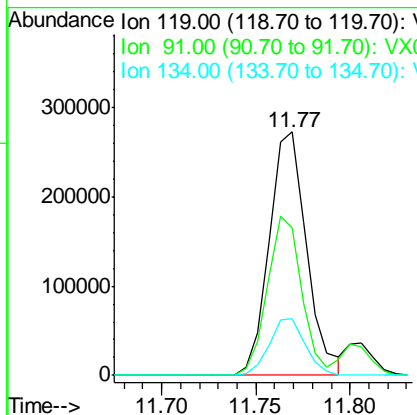
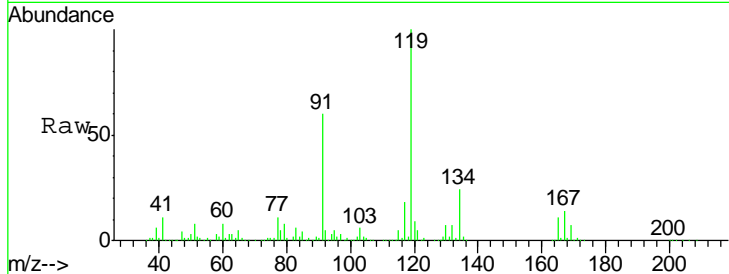
#83
 tert-Butylbenzene
 Concen: 47.880 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
119	375613		
91	60.0	30.0	90.0
134	22.6	11.3	33.9

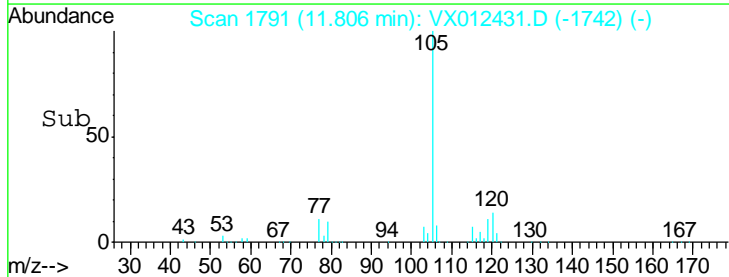
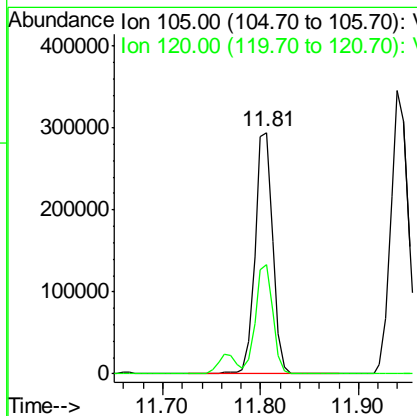
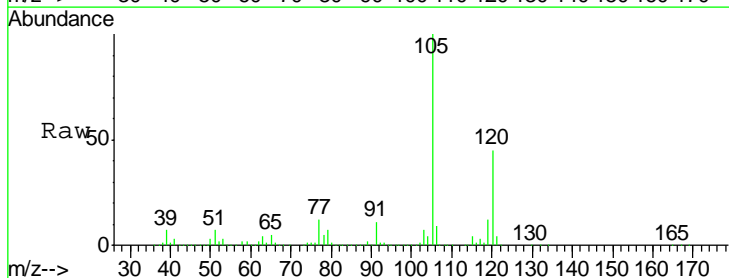
Manual Integrations
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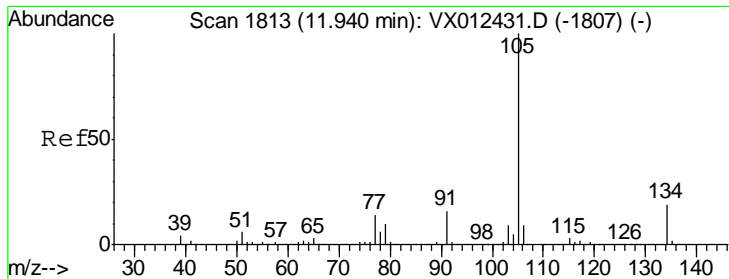
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 9/18/2019 11:22:13 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.817 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
105	366270		
120	44.4	22.2	66.6





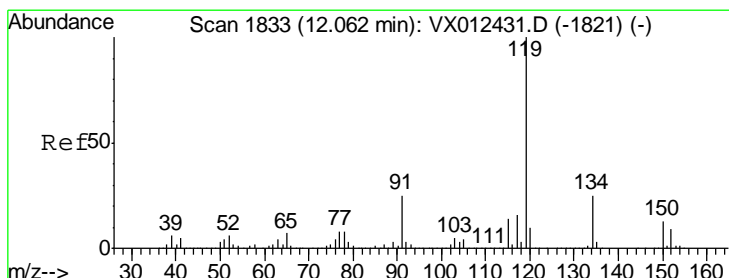
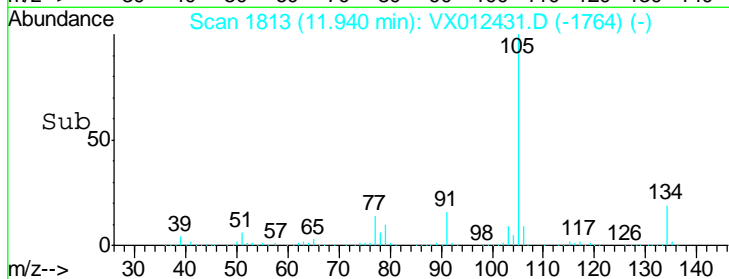
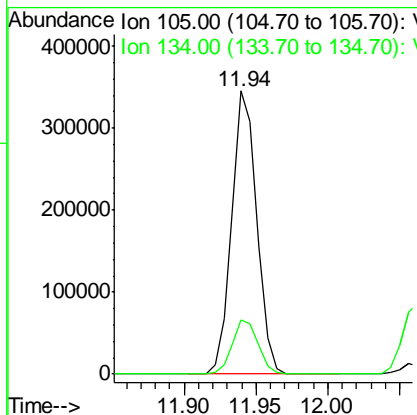
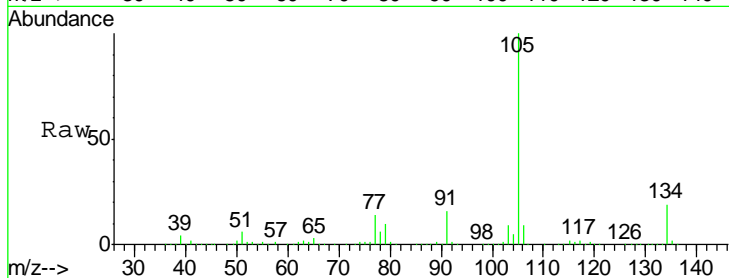
#85
 sec-Butylbenzene
 Concen: 48.827 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	424106		
134	19.6	9.8	29.4

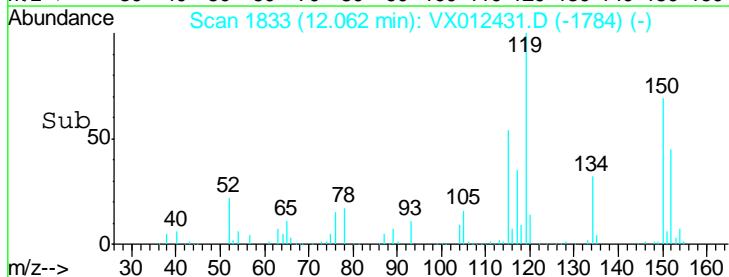
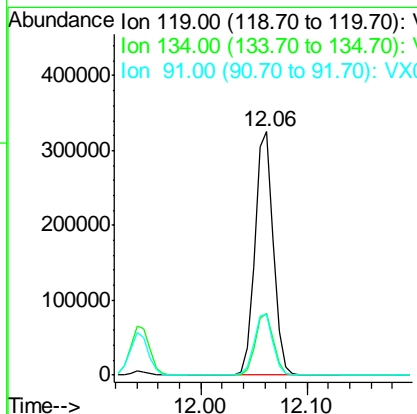
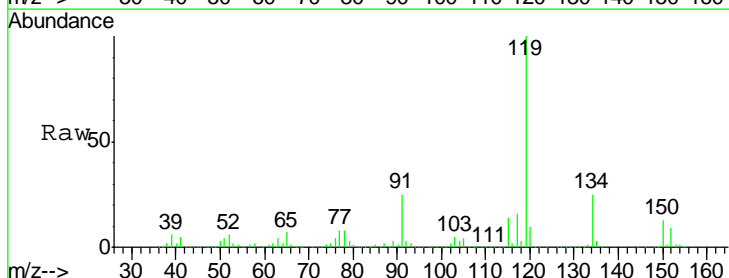
Manual Integrations
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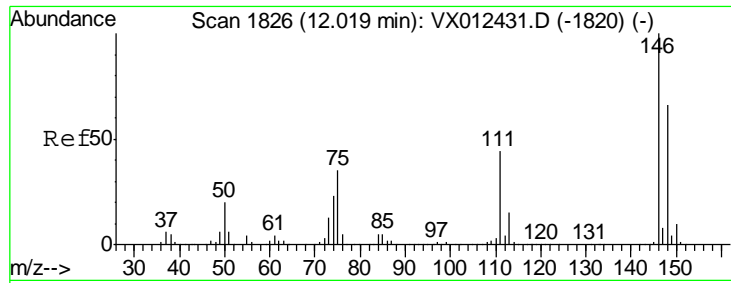
MMDadoda
 9/18/2019 11:22:13 AM



#86
 p-Isopropyltoluene
 Concen: 49.384 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
119	392359		
134	25.4	12.7	38.1
91	25.6	12.8	38.4





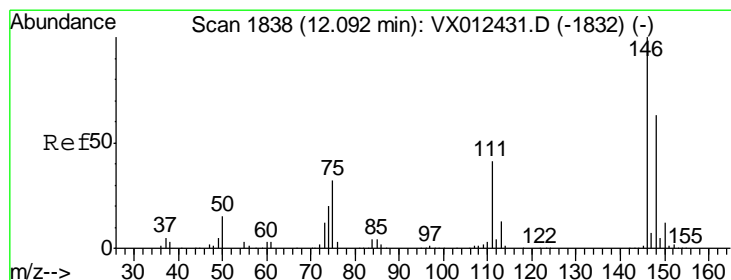
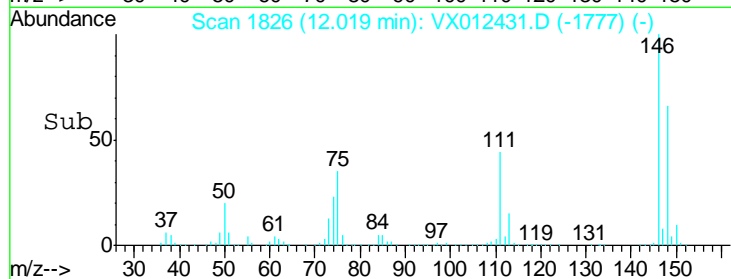
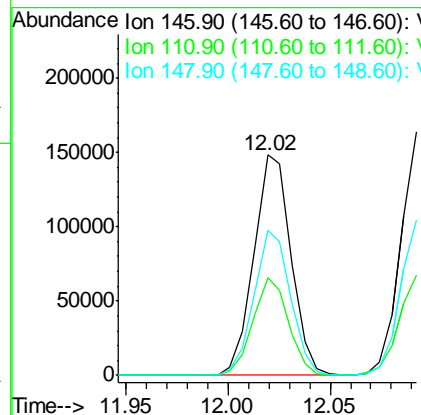
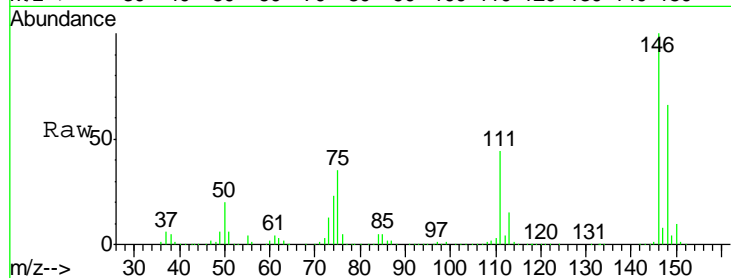
#87
 1,3-Dichlorobenzene
 Concen: 46.082 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	188493		
111	42.7	21.3	64.0
148	64.8	32.4	97.2

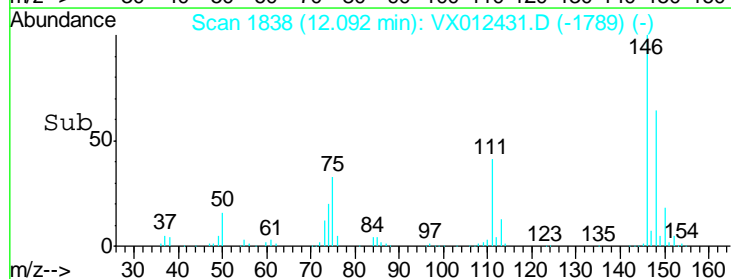
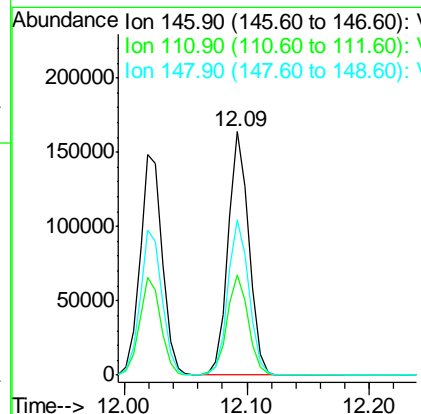
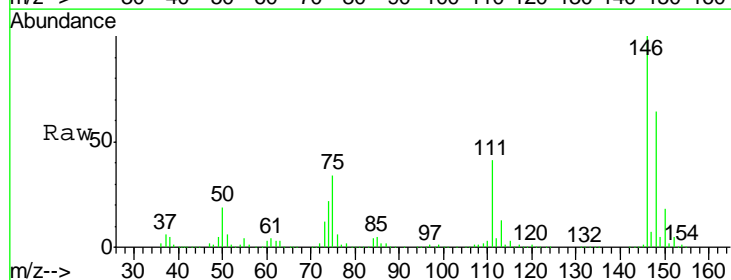
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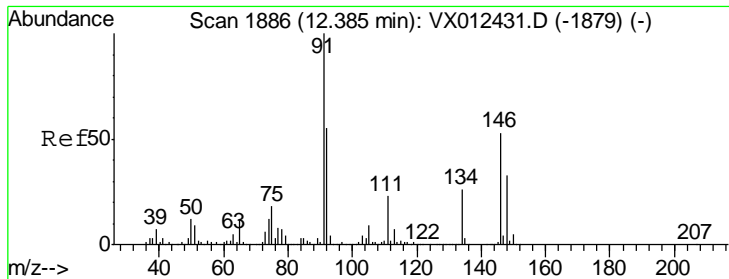
MMDadoda
 9/18/2019 11:22:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.524 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
146	192140		
111	42.2	21.1	63.3
148	64.3	32.1	96.5





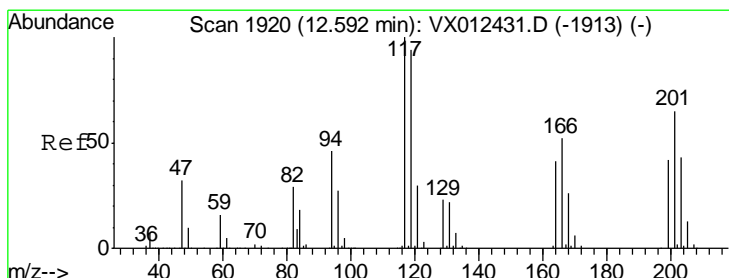
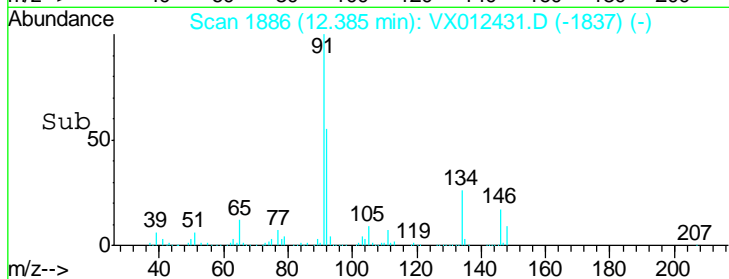
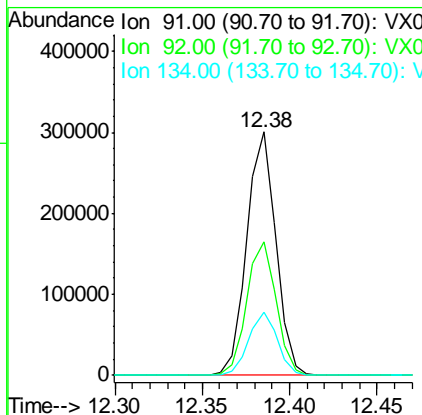
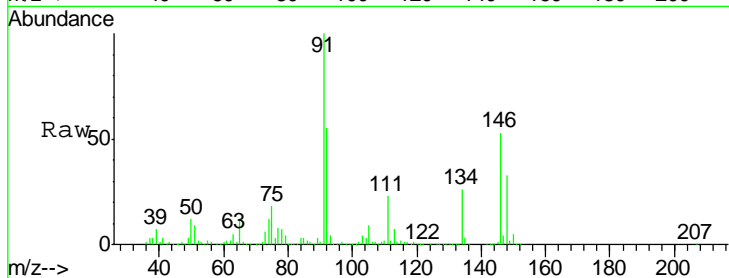
#89
 n-Butylbenzene
 Concen: 49.603 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.3	27.7	83.0
134	25.7	12.9	38.6

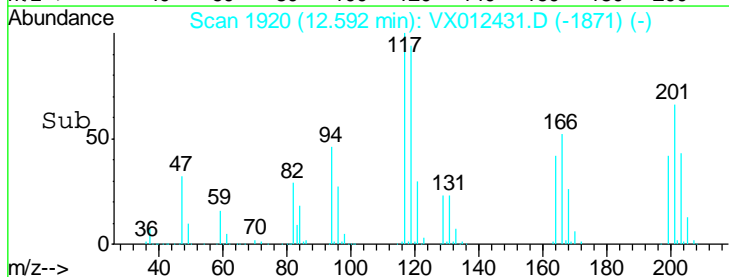
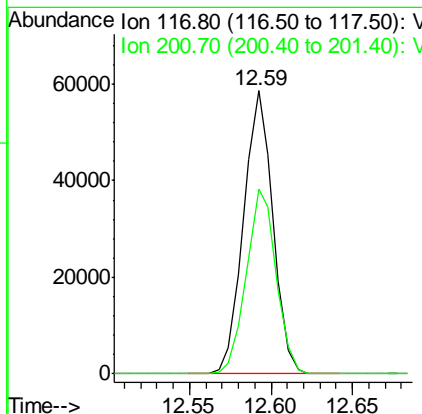
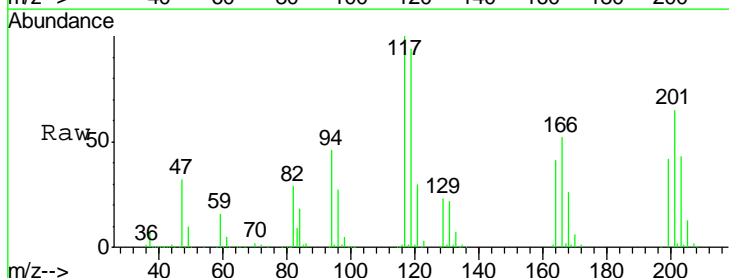
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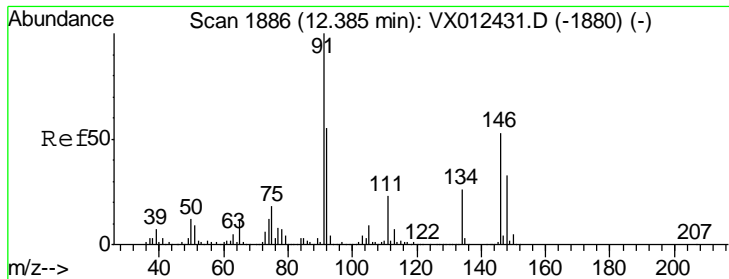
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 9/18/2019 11:22:13 AM



#90
 Hexachloroethane
 Concen: 47.899 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
117	100		
201	66.5	33.3	99.8





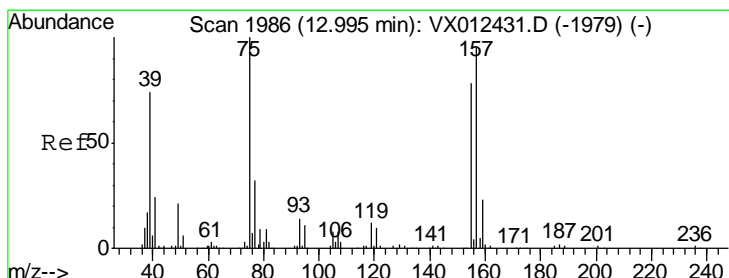
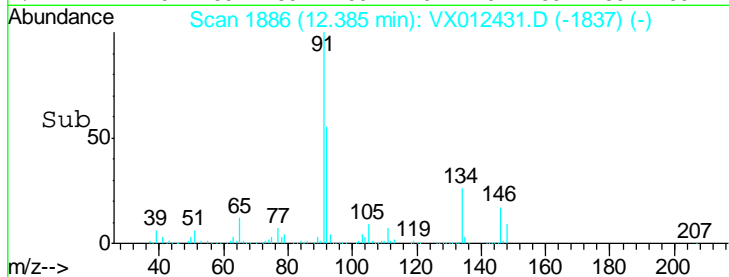
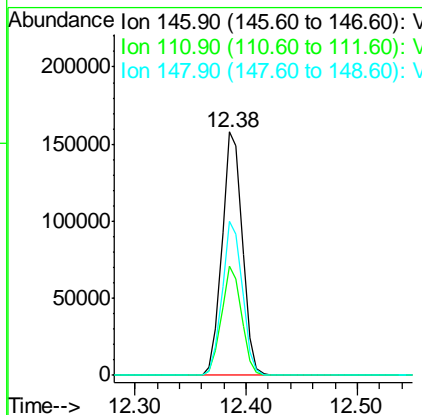
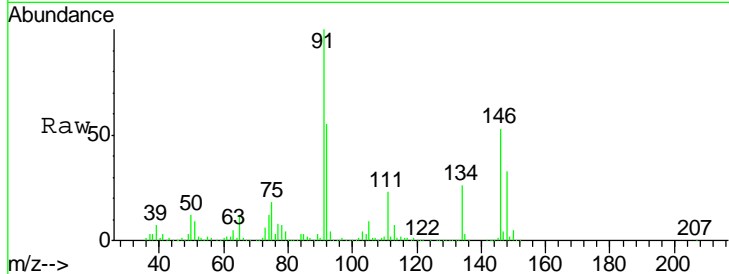
#91
 1,2-Dichlorobenzene
 Concen: 47.500 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	199128		
146	100		
111	44.1	22.1	66.1
148	62.6	31.3	93.9

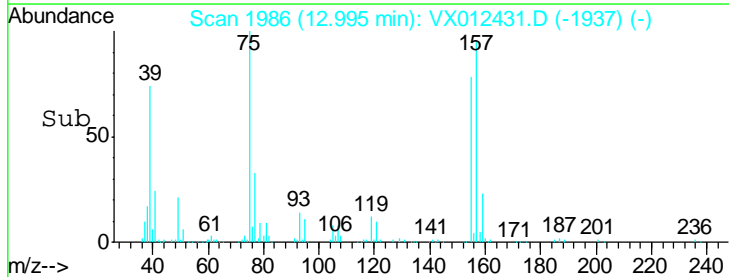
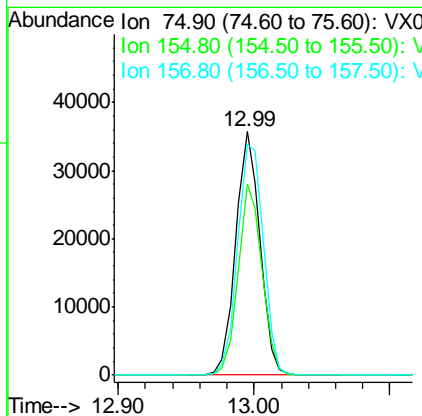
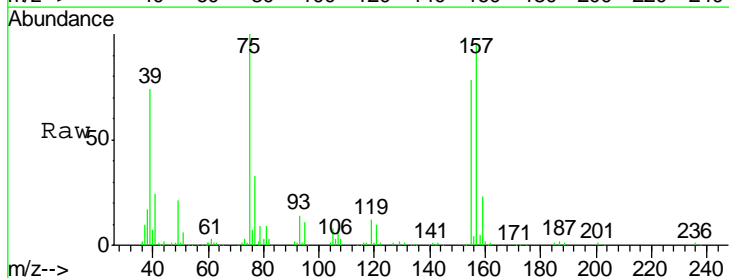
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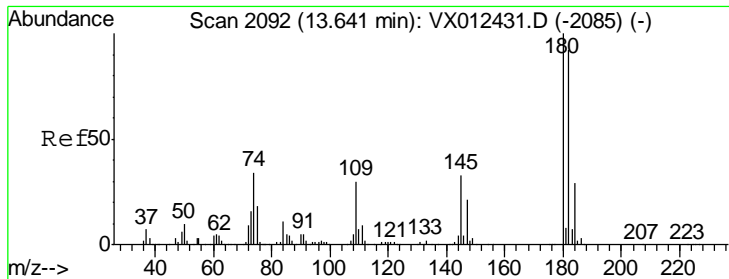
MMDadoda
 9/18/2019 11:22:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.902 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
75	44165		
75	100		
155	77.2	38.6	115.8
157	101.3	50.6	151.9





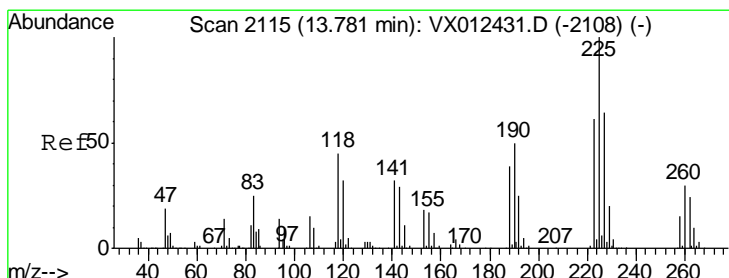
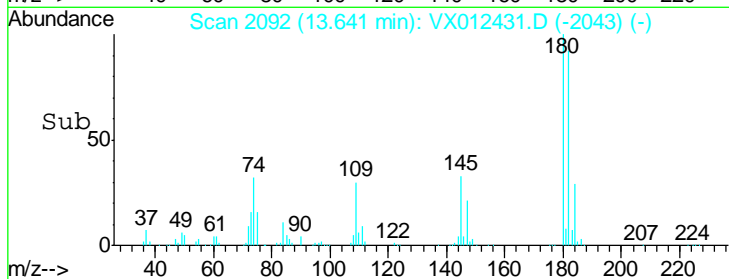
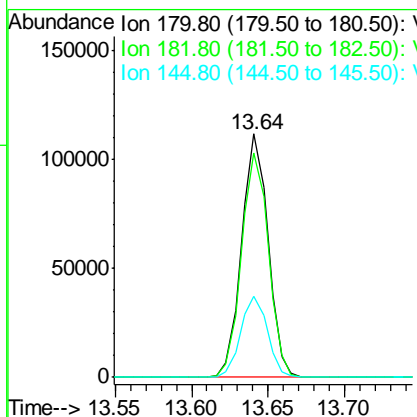
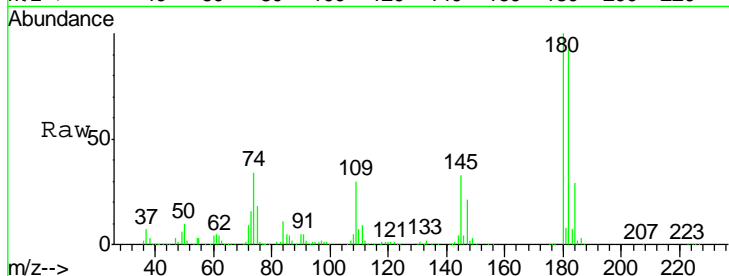
#93
 1,2,4-Trichlorobenzene
 Concen: 47.851 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.6	16.8	50.4

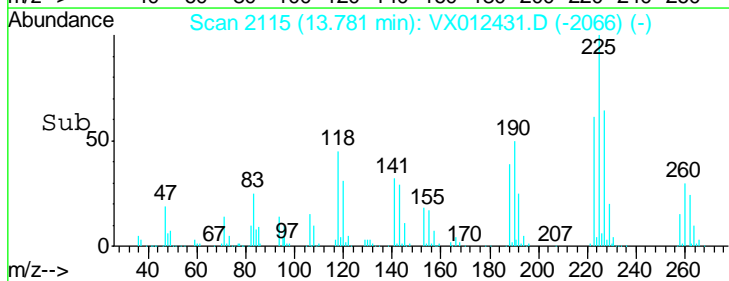
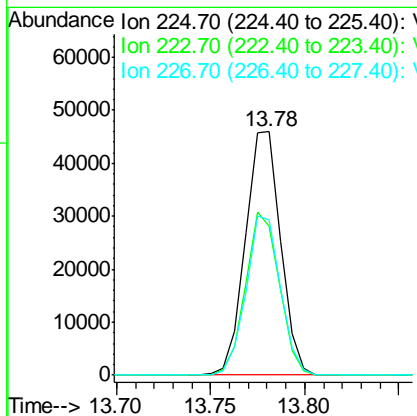
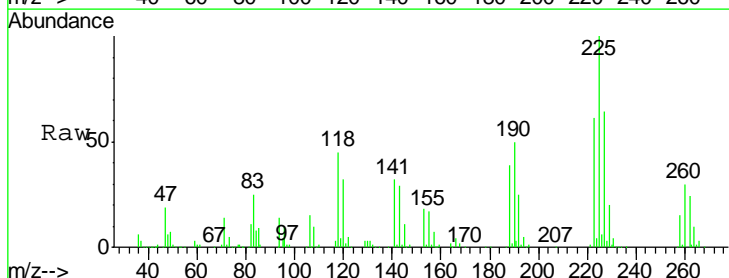
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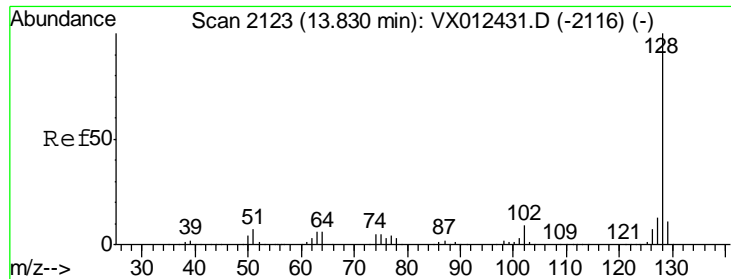
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#94
 Hexachlorobutadiene
 Concen: 44.626 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
225	100		
223	64.1	32.0	96.2
227	63.7	31.9	95.5





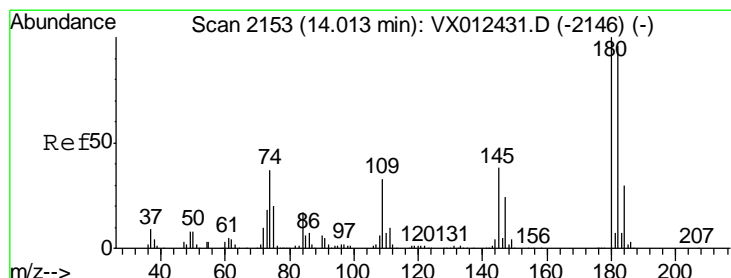
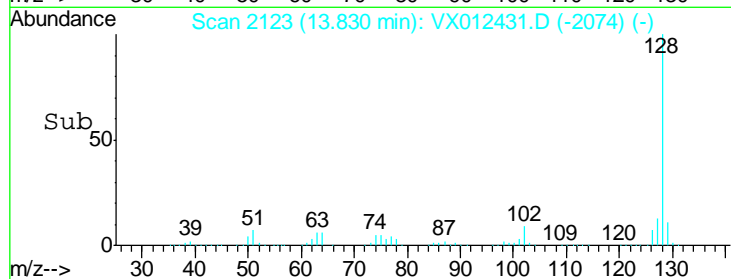
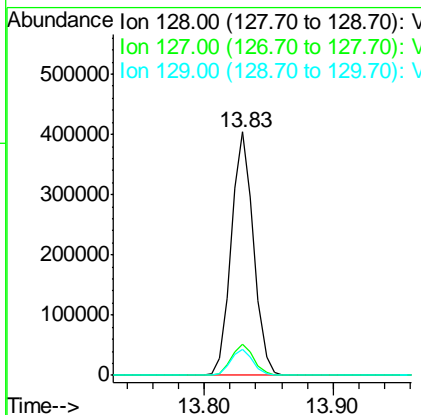
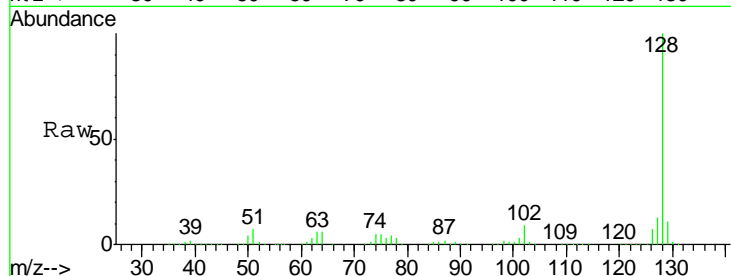
#95
 Naphthalene
 Concen: 51.078 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
128	487902		
127	12.8	10.2	15.4
129	11.0	8.8	13.2

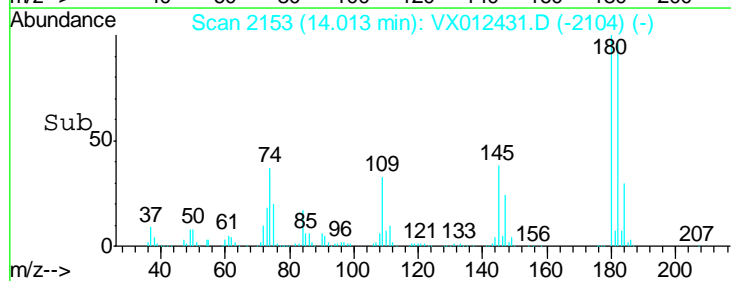
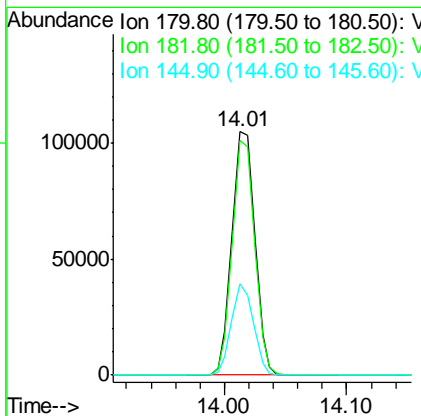
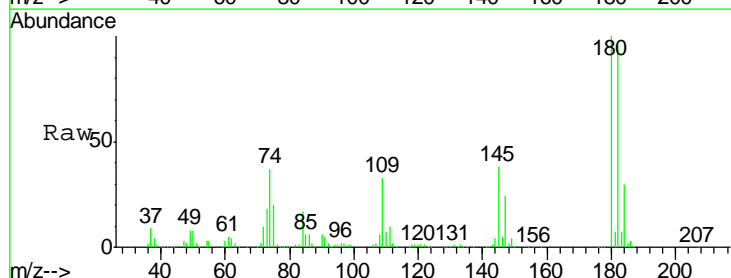
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#96
 1,2,3-Trichlorobenzene
 Concen: 48.834 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012431.D
 Acq: 17 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
180	135937		
182	94.2	47.1	141.3
145	36.0	18.0	54.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091719\
 Data File : VX012432.D
 Acq On : 17 Sep 2019 13:33
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDICC100

Manual Integrations
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MMDadoda
 9/18/2019 11:22:19 AM

Quant Time: Sep 17 13:58:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	129127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	230773	72.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.52%	
35) Dibromofluoromethane	5.49	113	171273	68.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.36%	
50) Toluene-d8	8.71	98	631088	70.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.76%	
62) 4-Bromofluorobenzene	11.14	95	267981	71.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	114033	81.367	ug/l	99
3) Chloromethane	1.31	50	94045	77.409	ug/l	99
4) Vinyl Chloride	1.40	62	104197	77.786	ug/l	97
5) Bromomethane	1.62	94	35898	64.102	ug/l	96
6) Chloroethane	1.70	64	70227	78.892	ug/l	99
7) Trichlorofluoromethane	1.91	101	189867	77.588	ug/l	98
8) Diethyl Ether	2.18	74	79781	73.855	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	134470	76.237	ug/l	97
10) Methyl Iodide	2.50	142	119504	73.749	ug/l	98
11) Tert butyl alcohol	3.05	59	299570	365.001	ug/l	99
12) 1,1-Dichloroethene	2.36	96	108974	78.610	ug/l	97
13) Acrolein	2.28	56	102379	299.825	ug/l	99
14) Allyl chloride	2.72	41	258532	80.290	ug/l	100
15) Acrylonitrile	3.13	53	527690	385.094	ug/l	99
16) Acetone	2.44	43	544481	364.301	ug/l	99
17) Carbon Disulfide	2.55	76	150330	82.105	ug/l	98
18) Methyl Acetate	2.76	43	247285	75.268	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	573981	76.236	ug/l	99
20) Methylene Chloride	2.84	84	140805	70.125	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	113659	76.257	ug/l	97
22) Diisopropyl ether	3.84	45	577337	78.126	ug/l	98
23) Vinyl Acetate	3.80	43	2482942	407.309	ug/l	99
24) 1,1-Dichloroethane	3.69	63	282166	76.221	ug/l	98
25) 2-Butanone	4.66	43	809705	383.800	ug/l	98
26) 2,2-Dichloropropane	4.57	77	267843	75.819	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	164648	75.145	ug/l	99
28) Bromochloromethane	5.00	49	132360	70.063	ug/l	99
29) Tetrahydrofuran	5.12	42	480027	393.396	ug/l	99
30) Chloroform	5.20	83	306631	71.870	ug/l	99
31) Cyclohexane	5.57	56	172833	77.864	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	267883	75.809	ug/l	100
36) 1,1-Dichloropropene	5.79	75	174672	70.654	ug/l	98
37) Ethyl Acetate	4.82	43	282283	74.179	ug/l	100
38) Carbon Tetrachloride	5.77	117	220344	73.615	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091719\
 Data File : VX012432.D
 Acq On : 17 Sep 2019 13:33
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICC100

Manual Integrations
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 9/18/2019 11:22:19 AM

Quant Time: Sep 17 13:58:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	181366	76.746	ug/l	99
40) Benzene	6.13	78	560633	74.046	ug/l	98
41) Methacrylonitrile	5.03	41	170809	78.789	ug/l	99
42) 1,2-Dichloroethane	6.18	62	251492	72.733	ug/l	99
43) Isopropyl Acetate	6.43	43	488657	74.654	ug/l	100
44) Trichloroethene	7.21	130	147518	72.571	ug/l	98
45) 1,2-Dichloropropane	7.51	63	166827	71.625	ug/l	99
46) Dibromomethane	7.65	93	111094	71.828	ug/l	98
47) Bromodichloromethane	7.89	83	255797	74.268	ug/l	98
48) Methyl methacrylate	7.76	41	234329	80.634	ug/l	100
49) 1,4-Dioxane	7.73	88	110622	1491.947	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1607604	379.652	ug/l	99
52) Toluene	8.78	92	366280	74.427	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	276870	77.470	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	281387	76.070	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	180393	69.261	ug/l	99
56) Ethyl methacrylate	9.17	69	305933	78.162	ug/l	99
57) 1,3-Dichloropropane	9.37	76	296984	72.038	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	785573	376.536	ug/l	99
59) 2-Hexanone	9.49	43	1260039	384.927	ug/l	99
60) Dibromochloromethane	9.58	129	204020	76.705	ug/l	100
61) 1,2-Dibromoethane	9.67	107	173803	72.775	ug/l	99
64) Tetrachloroethene	9.33	164	118957	72.917	ug/l	98
65) Chlorobenzene	10.14	112	430388	74.994	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	186115	76.502	ug/l	99
67) Ethyl Benzene	10.24	91	762233	77.599	ug/l	99
68) m/p-Xylenes	10.35	106	557145	153.954	ug/l	100
69) o-Xylene	10.70	106	285239	75.962	ug/l	100
70) Styrene	10.71	104	524816	80.651	ug/l	99
71) Bromoform	10.85	173	155816	83.492	ug/l	99
73) Isopropylbenzene	11.01	105	799440	91.088	ug/l	99
74) N-amyl acetate	10.89	43	461732	98.747	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	321402	91.403	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	302723m	92.717	ug/l	
77) Bromobenzene	11.25	156	197619	88.063	ug/l	98
78) n-propylbenzene	11.35	91	922103	93.036	ug/l	99
79) 2-Chlorotoluene	11.42	91	575290	90.575	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	703973	92.375	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	111410	96.395	ug/l	98
82) 4-Chlorotoluene	11.51	91	682216	92.242	ug/l	100
83) tert-Butylbenzene	11.77	119	743967	92.034	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	731609	94.630	ug/l	100
85) sec-Butylbenzene	11.94	105	848250	94.775	ug/l	99
86) p-Isopropyltoluene	12.06	119	780621	95.351	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	386169	91.620	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	387983	91.171	ug/l	99
89) n-Butylbenzene	12.38	91	713055	98.619	ug/l	99
90) Hexachloroethane	12.59	117	150908	95.516	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	389742	90.223	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	85719	92.110	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012432.D
 Acq On : 17 Sep 2019 13:33
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

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 9/18/2019 11:22:19 AM

Quant Time: Sep 17 13:58:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	269004	93.343	ug/l	99
94) Hexachlorobutadiene	13.78	225	121829	88.420	ug/l	98
95) Naphthalene	13.83	128	952413	96.762	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	265686	92.627	ug/l	99

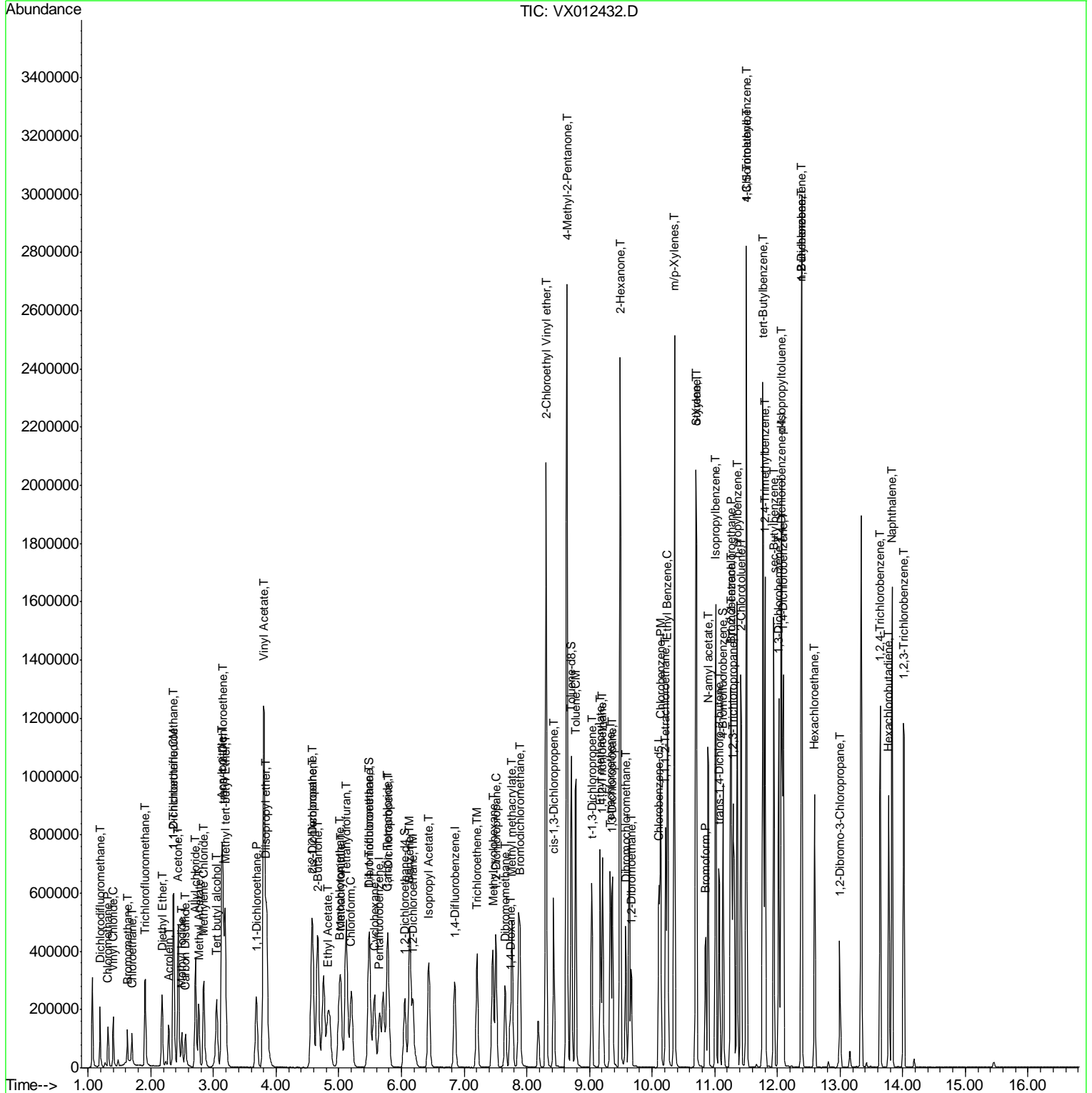
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012432.D
 Acq On : 17 Sep 2019 13:33
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

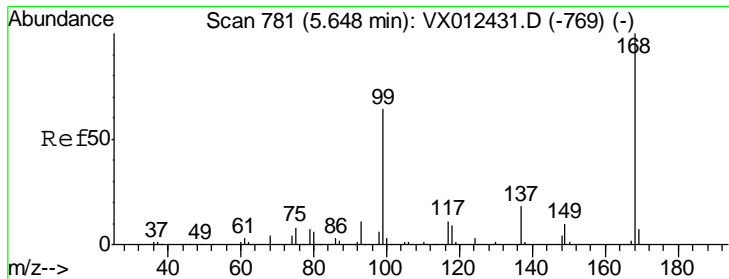
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDICC100

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Quant Time: Sep 17 13:58:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
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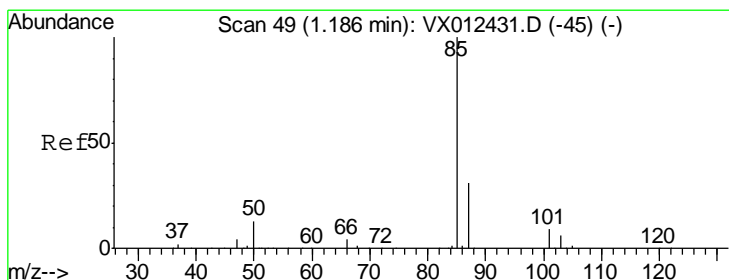
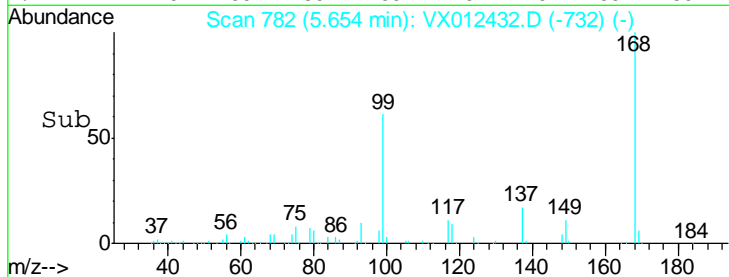
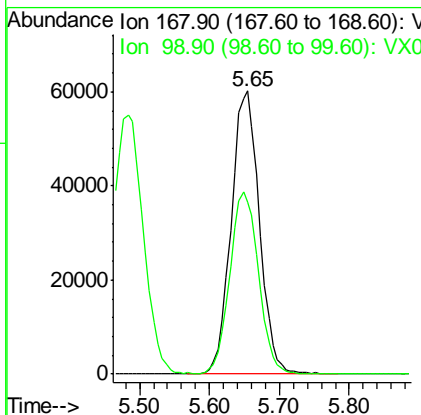
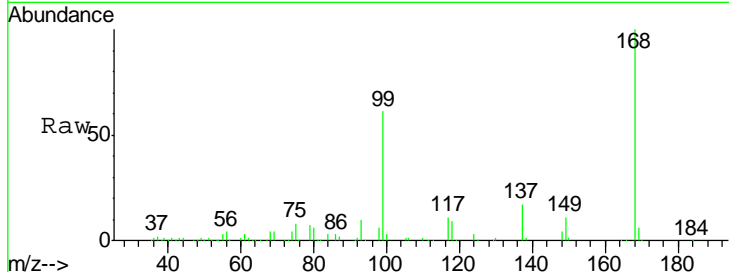
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
168	100		
99	60.6	51.4	77.2

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

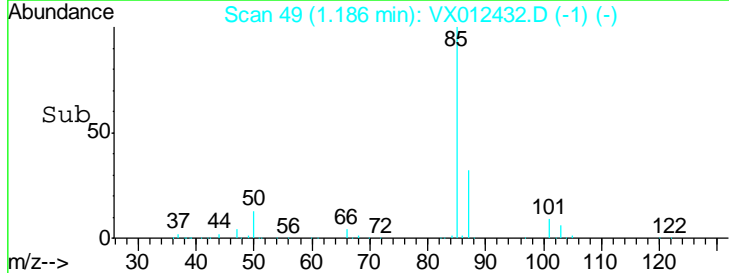
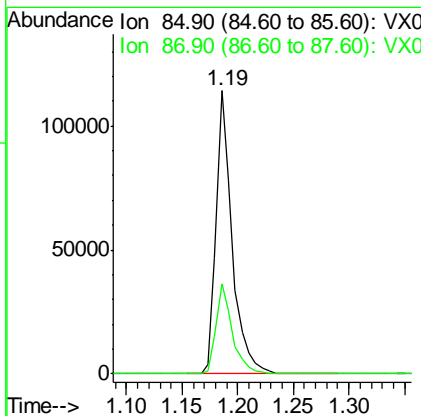
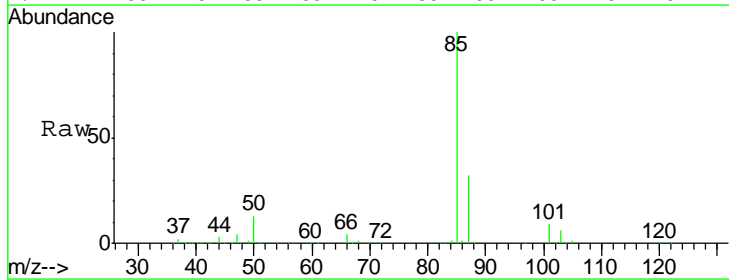
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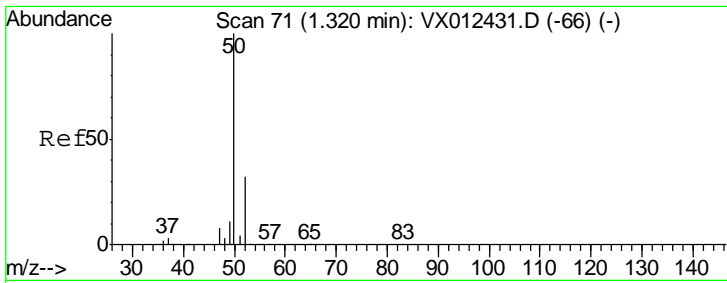
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#2
 Dichlorodifluoromethane
 Concen: 81.367 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.8	15.6	46.8





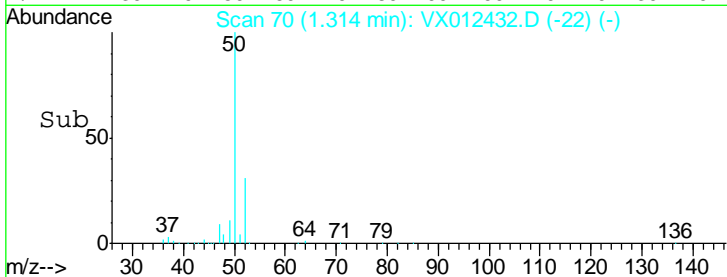
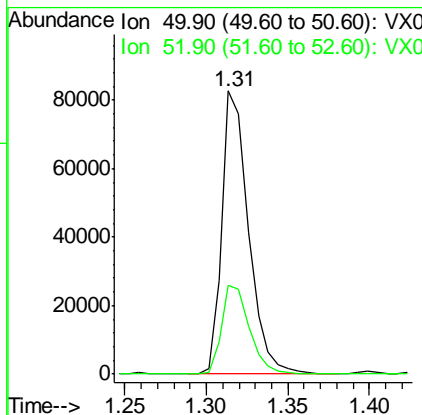
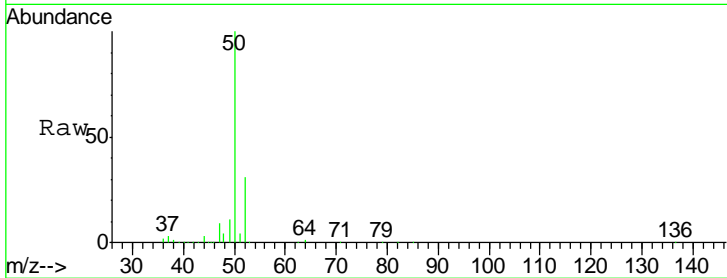
#3
 Chloromethane
 Concen: 77.409 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
50	94045		
52	31.3	25.7	38.5

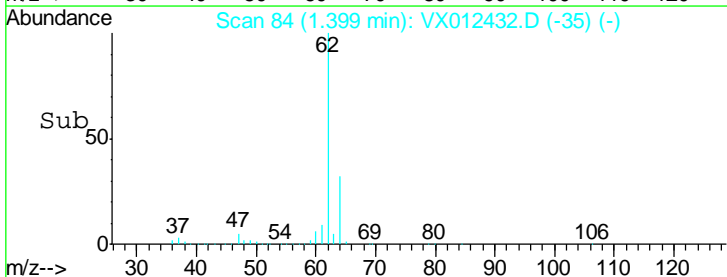
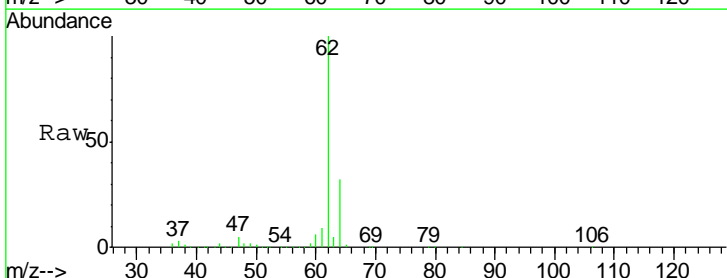
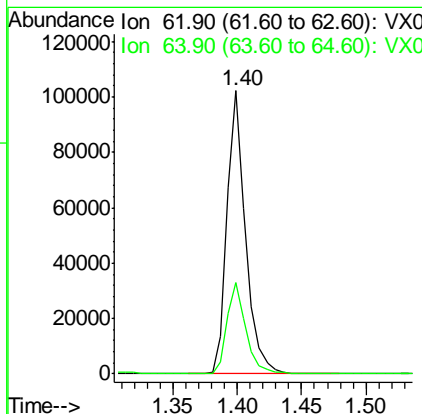
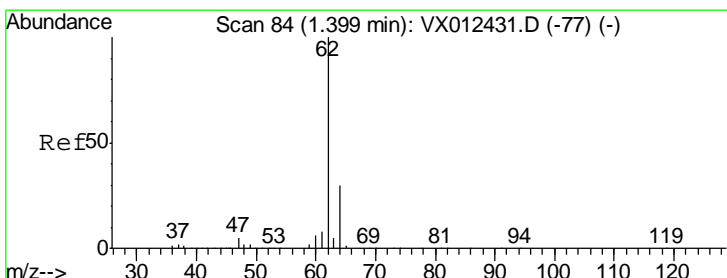
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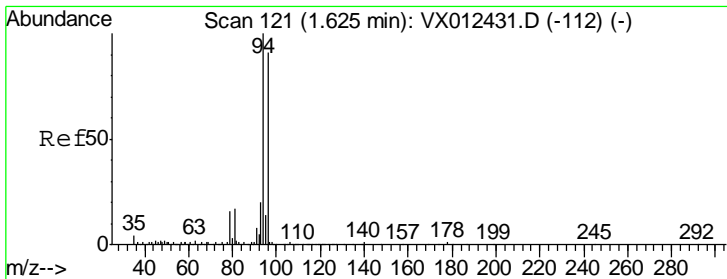
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#4
 Vinyl Chloride
 Concen: 77.786 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
62	104197		
64	32.1	24.2	36.2





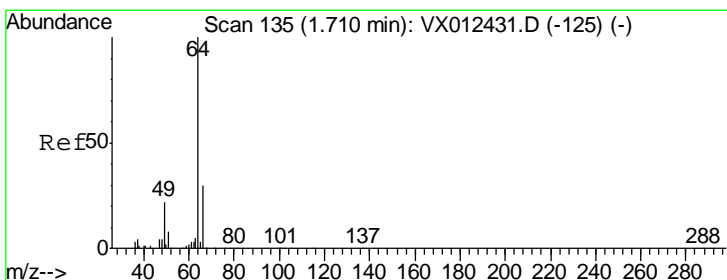
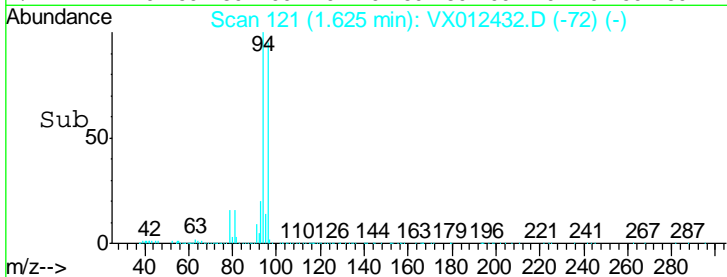
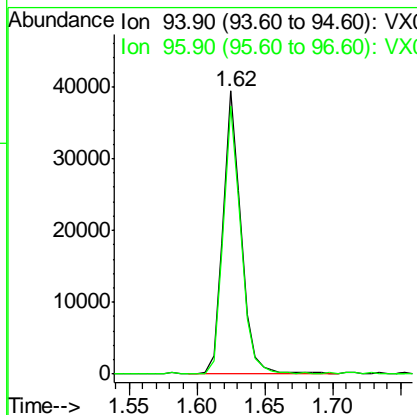
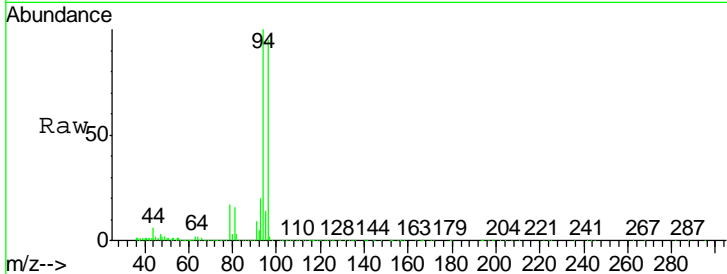
#5
 Bromomethane
 Concen: 64.102 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.7	72.8	109.2

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

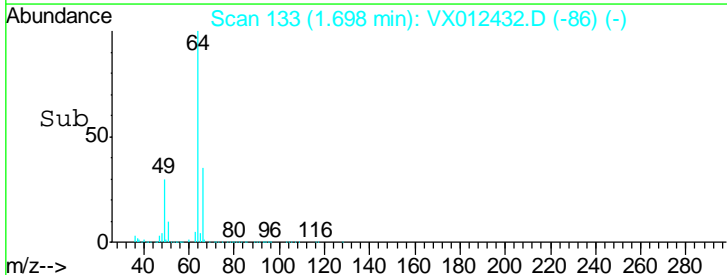
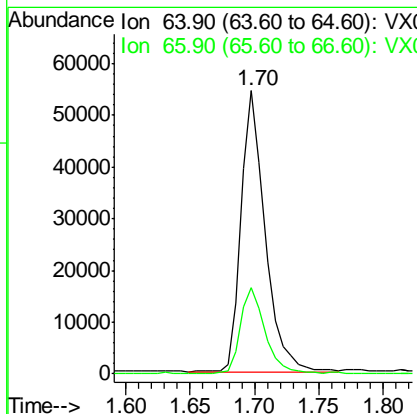
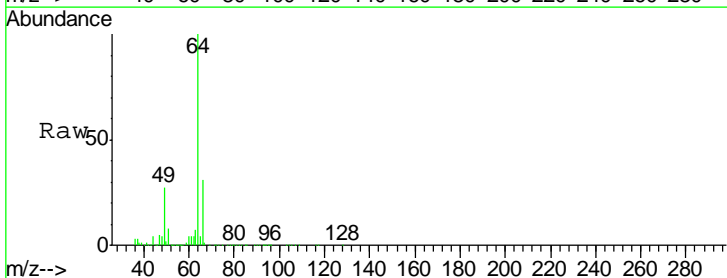
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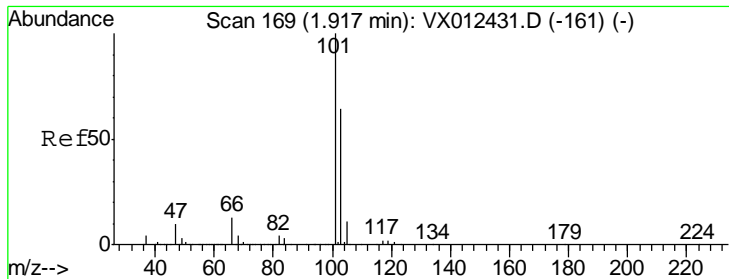
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#6
 Chloroethane
 Concen: 78.892 ug/l
 RT: 1.70 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
64	100		
66	30.5	24.0	36.0





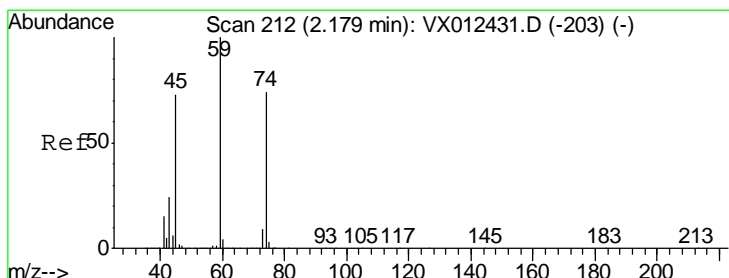
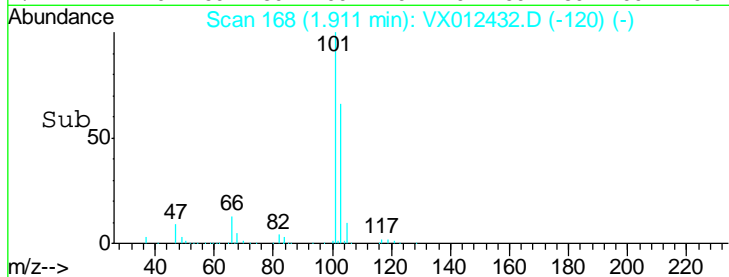
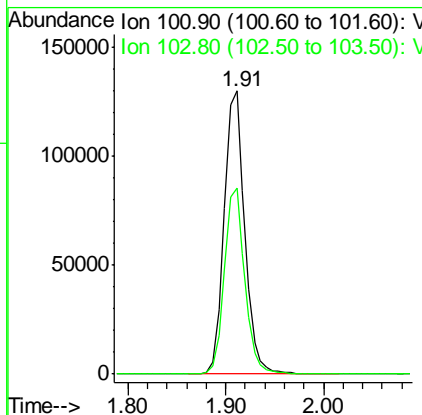
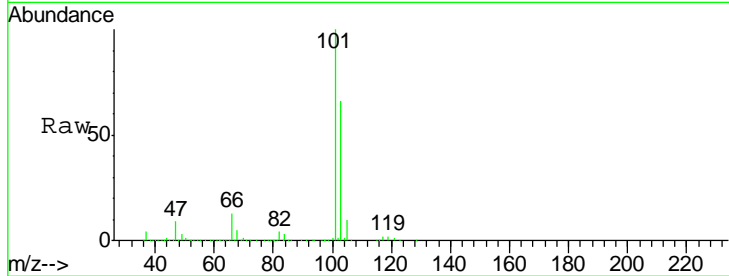
#7
 Trichlorofluoromethane
 Concen: 77.588 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	189867		
103	65.6	51.0	76.4

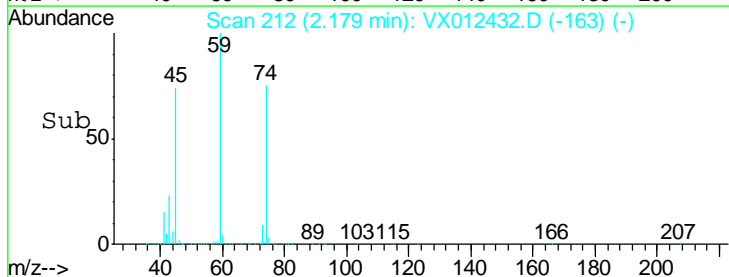
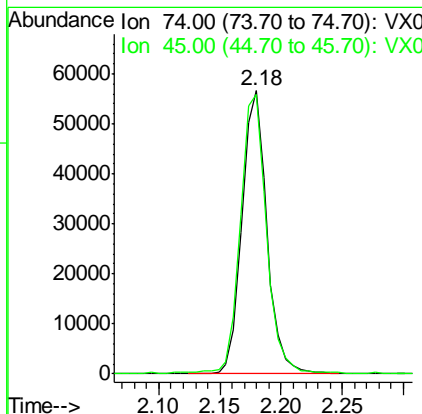
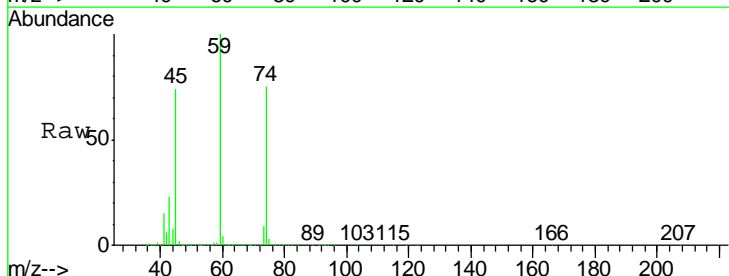
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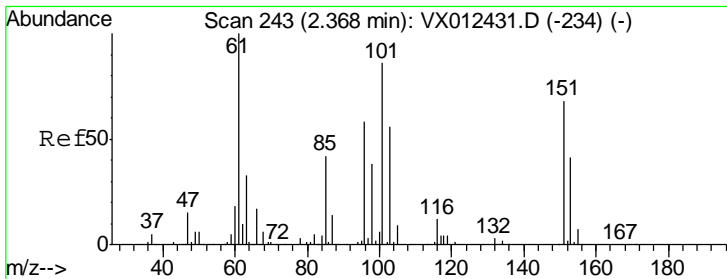
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#8
 Diethyl Ether
 Concen: 73.855 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

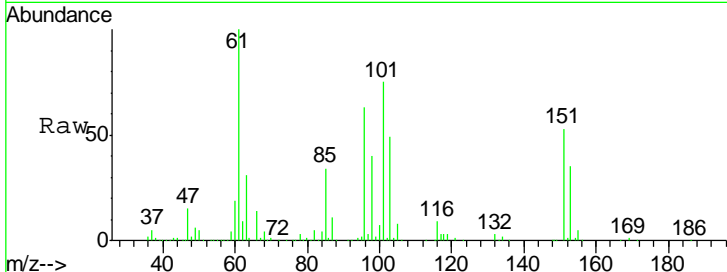
Tgt Ion	Resp	Lower	Upper
74	79781		
45	102.7	49.9	149.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 76.237 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

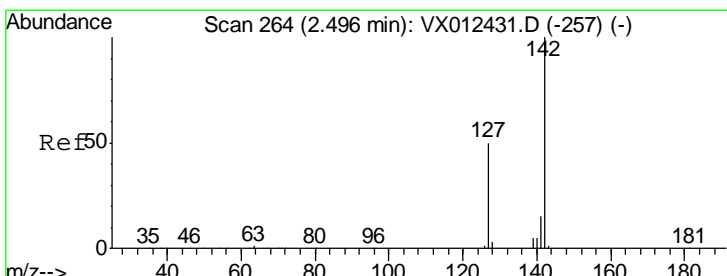
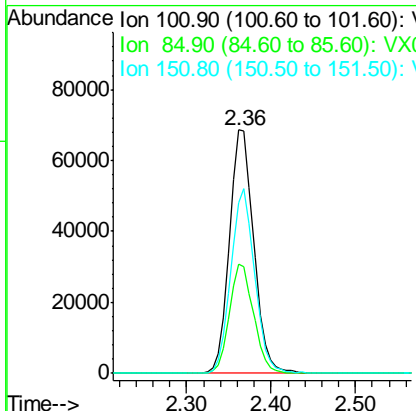
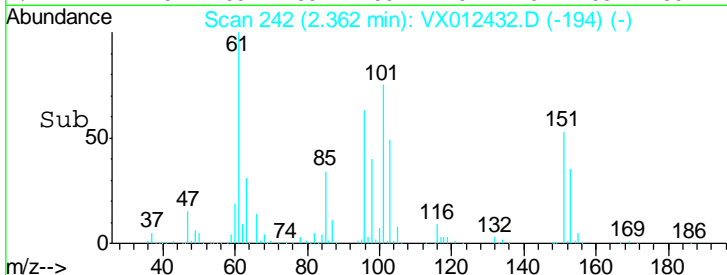


Tgt Ion: 101 Resp: 134470

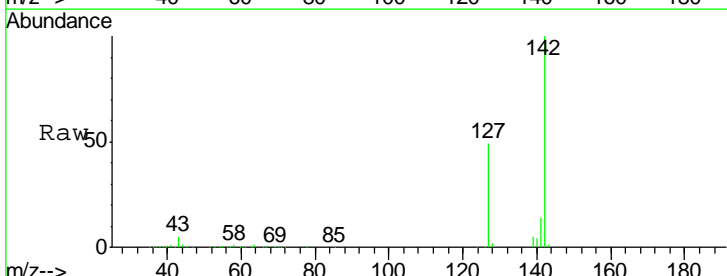
Ion	Ratio	Lower	Upper
101	100		
85	44.8	37.3	55.9
151	74.1	61.0	91.4

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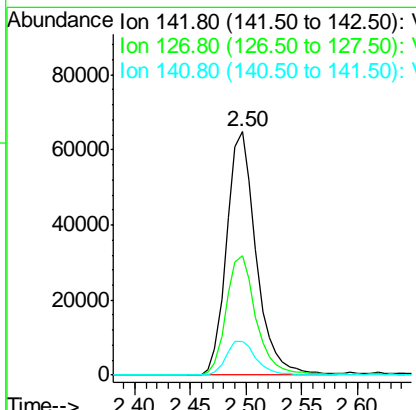
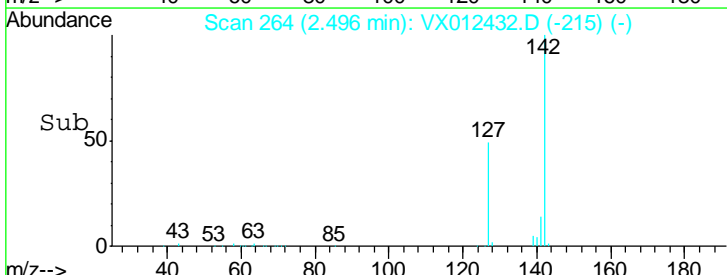


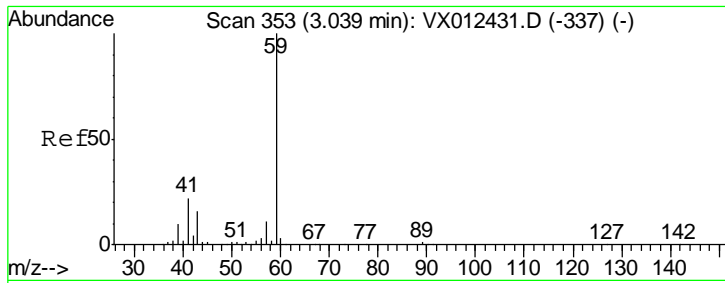
#10
 Methyl Iodide
 Concen: 73.749 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33



Tgt Ion: 142 Resp: 119504

Ion	Ratio	Lower	Upper
142	100		
127	49.7	40.8	61.2
141	14.5	12.1	18.1





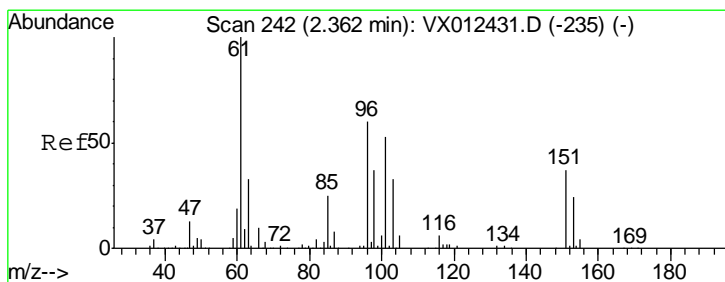
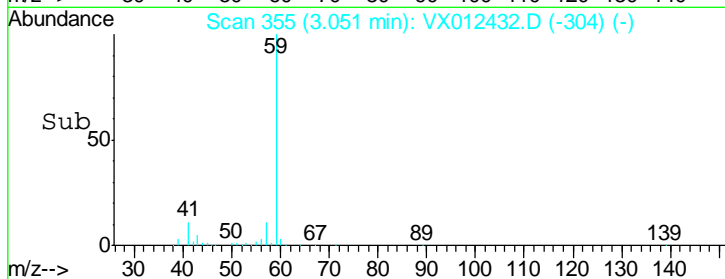
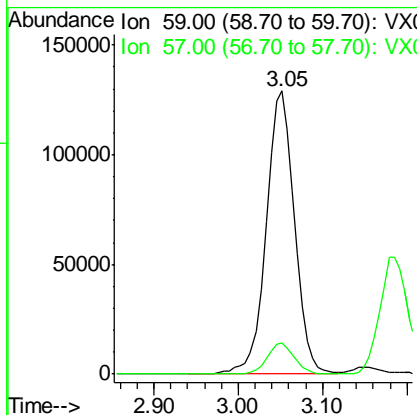
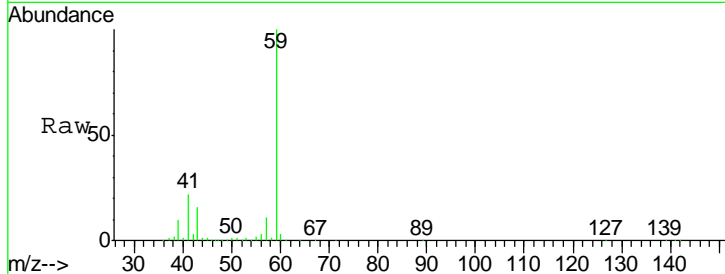
#11
 Tert butyl alcohol
 Concen: 365.001 ug/l
 RT: 3.05 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.7	8.3	12.5

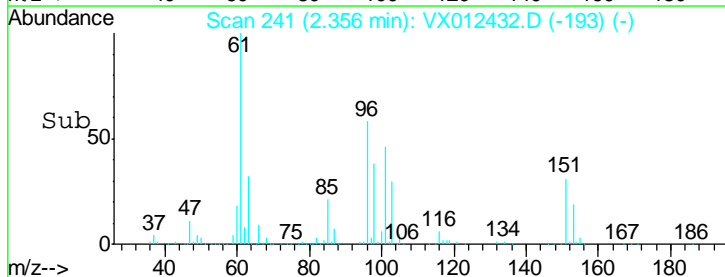
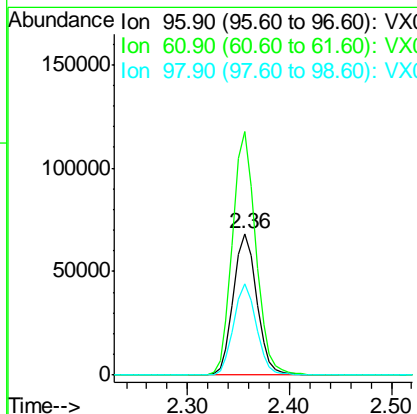
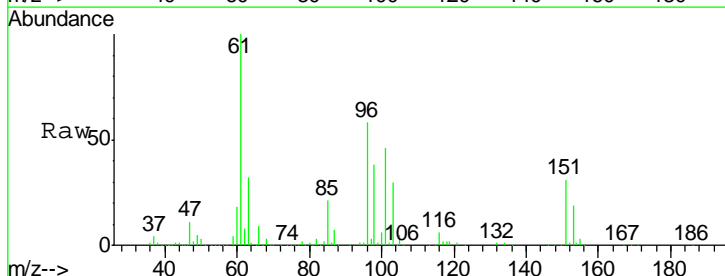
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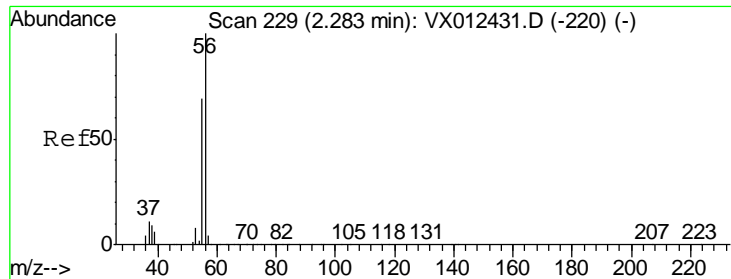
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#12
 1,1-Dichloroethene
 Concen: 78.610 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
96	100		
61	171.9	133.8	200.6
98	64.6	49.9	74.9





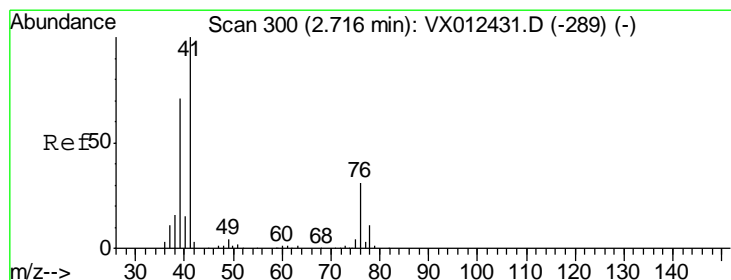
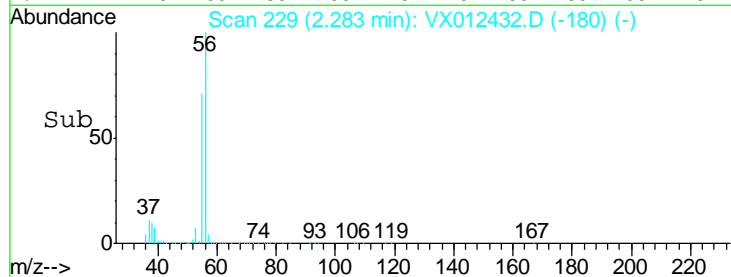
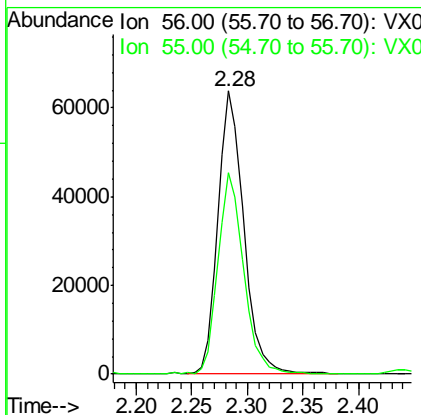
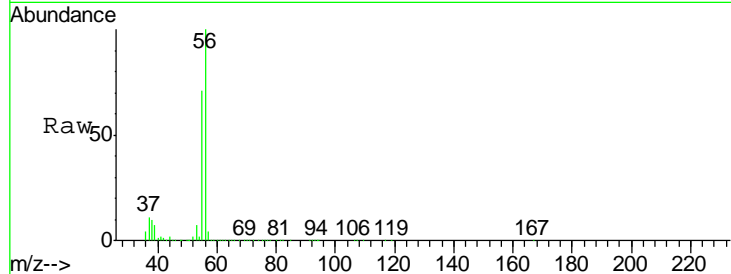
#13
 Acrolein
 Concen: 299.825 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	102379		
55	70.3	55.8	83.8

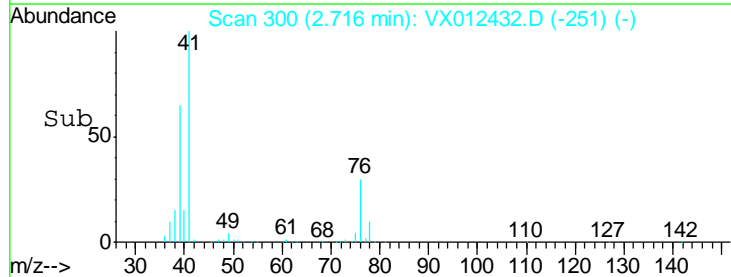
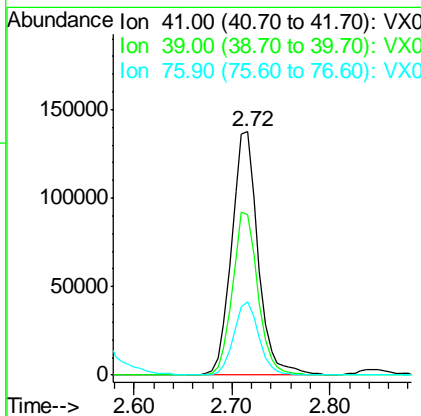
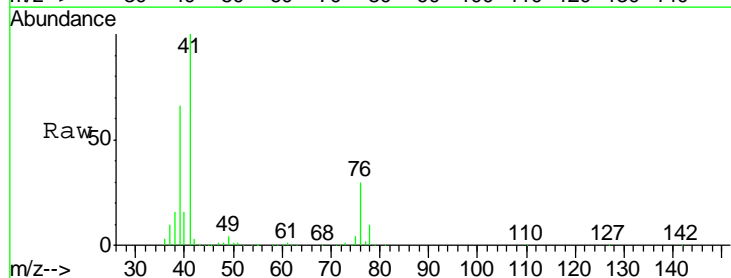
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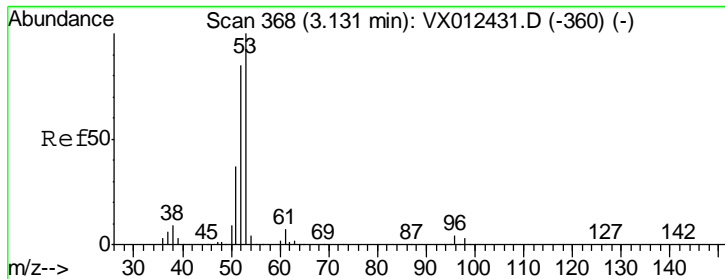
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#14
 Allyl chloride
 Concen: 80.290 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
41	258532		
39	63.9	51.3	76.9
76	28.7	22.6	33.8





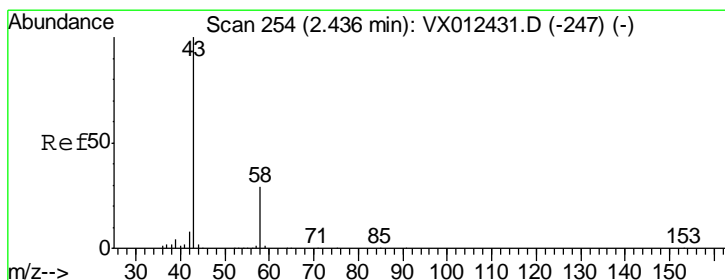
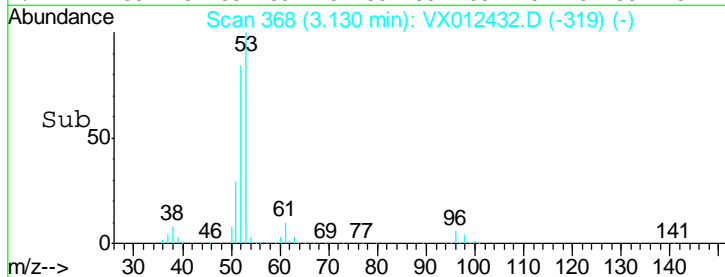
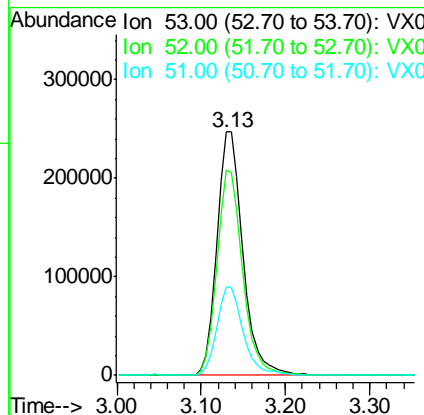
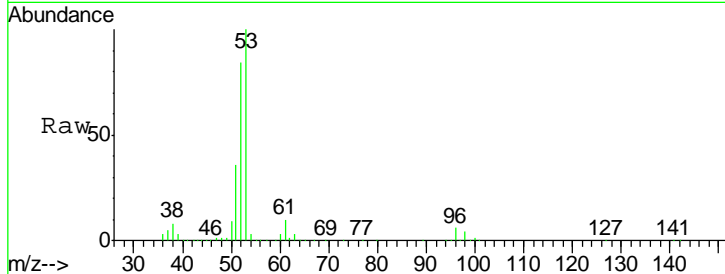
#15
 Acrylonitrile
 Concen: 385.094 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.1	67.0	100.4
51	36.7	29.6	44.4

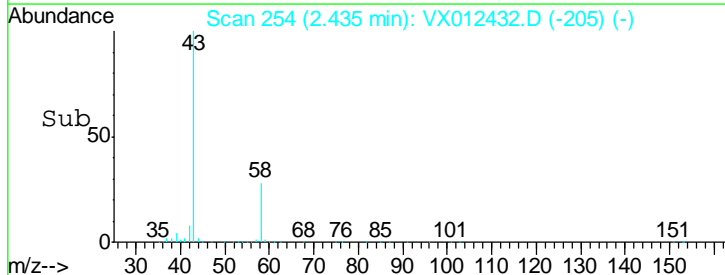
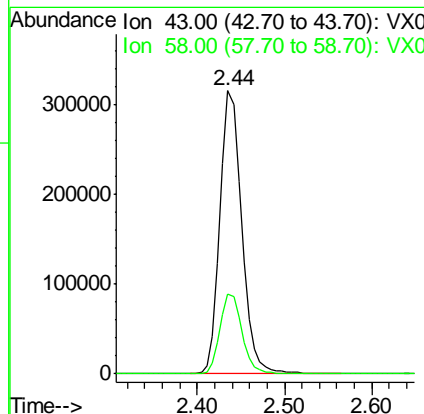
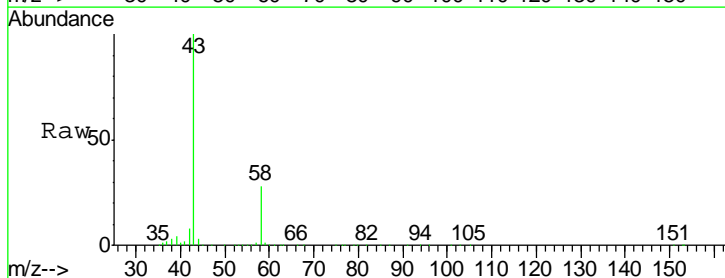
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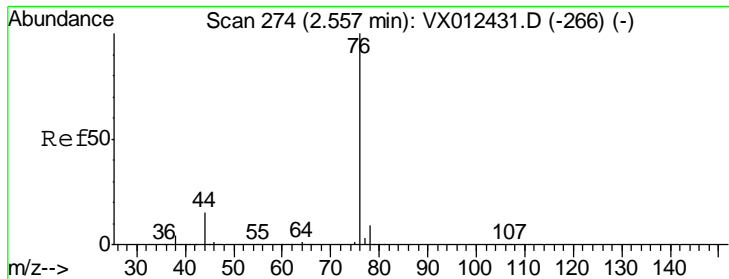
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#16
 Acetone
 Concen: 364.301 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.4	23.3	34.9





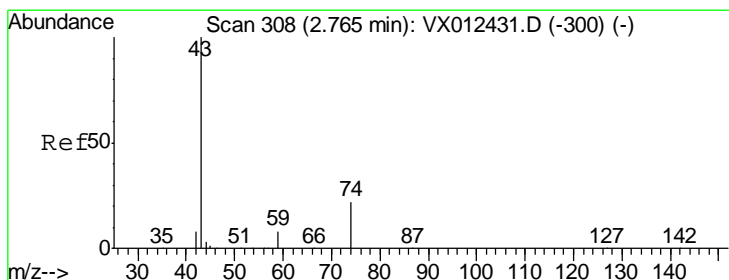
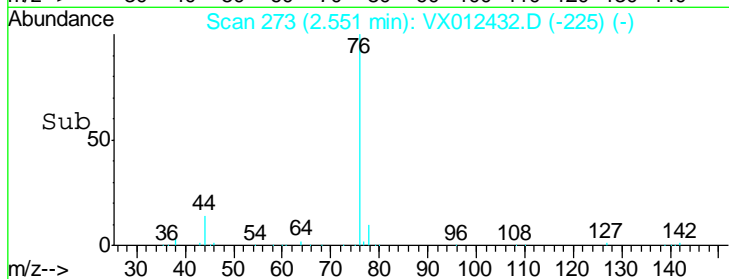
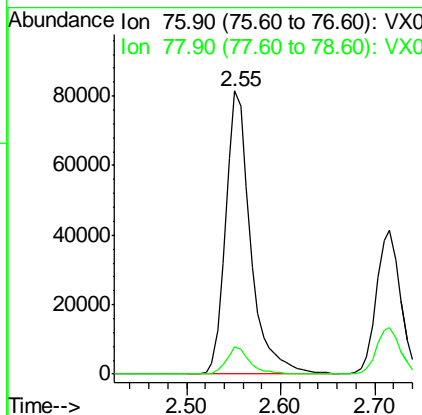
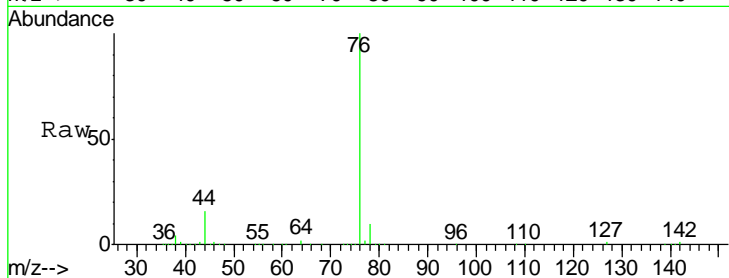
#17
 Carbon Disulfide
 Concen: 82.105 ug/l
 RT: 2.55 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	150330		
76	100		
78	9.7	7.3	10.9

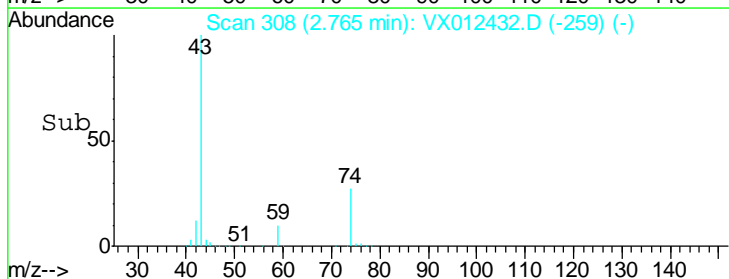
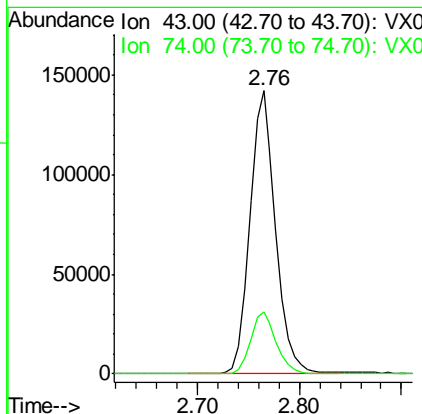
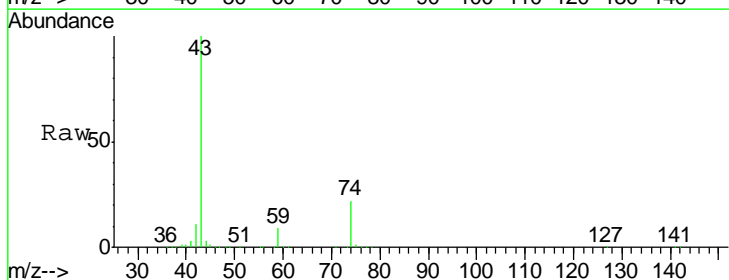
Manual Integrations
 APPROVED

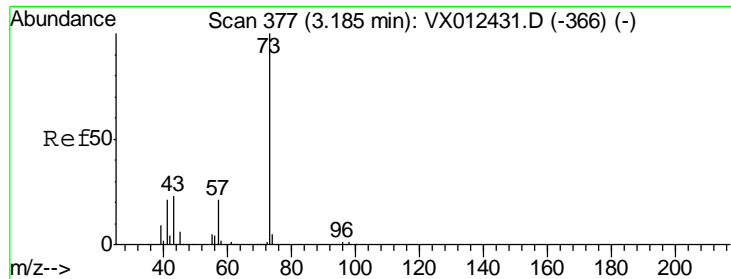
MMDadoda
 9/18/2019 11:22:19 AM



#18
 Methyl Acetate
 Concen: 75.268 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
43	247285		
43	100		
74	21.7	17.7	26.5





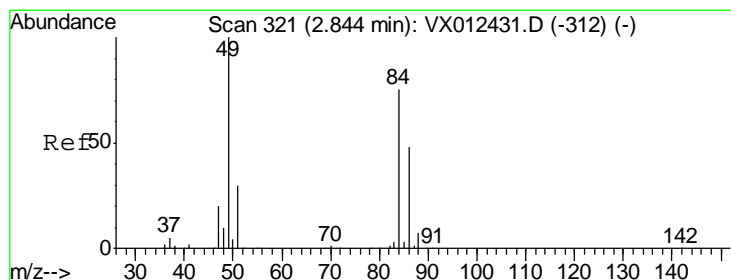
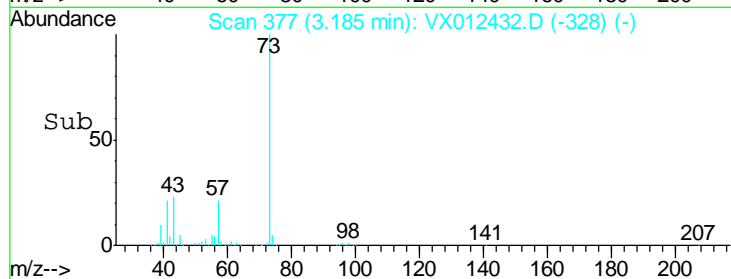
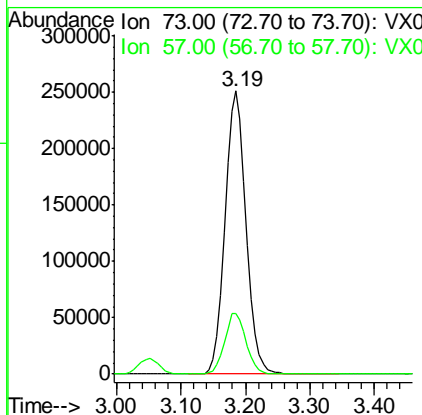
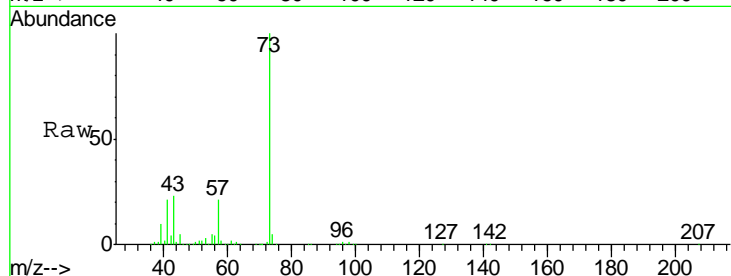
#19
 Methyl tert-butyl Ether
 Concen: 76.236 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.3	16.8	25.2

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

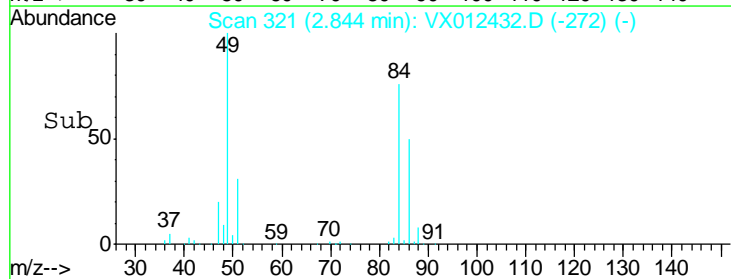
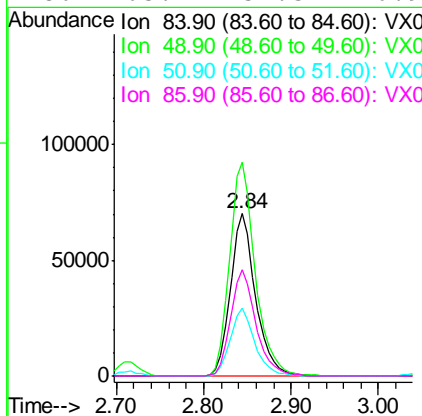
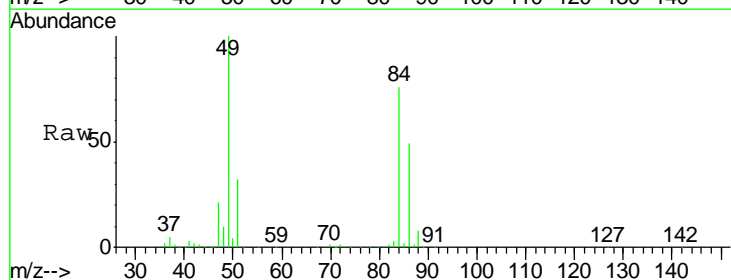
Manual Integrations
 APPROVED

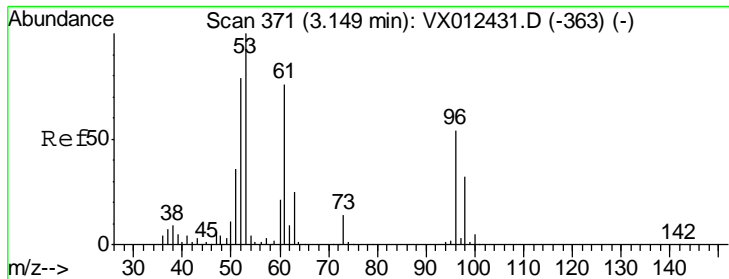
MMDadoda
 9/18/2019 11:22:19 AM



#20
 Methylene Chloride
 Concen: 70.125 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
84	100		
49	131.7	106.8	160.2
51	41.5	32.3	48.5
86	65.2	51.3	76.9





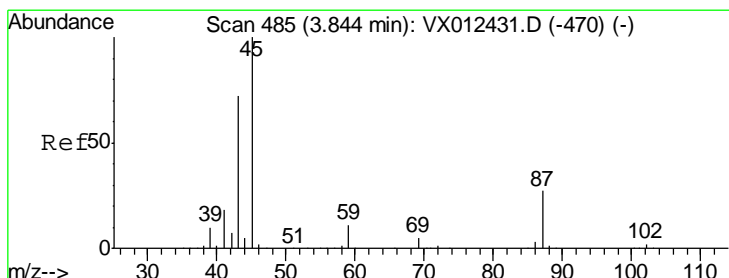
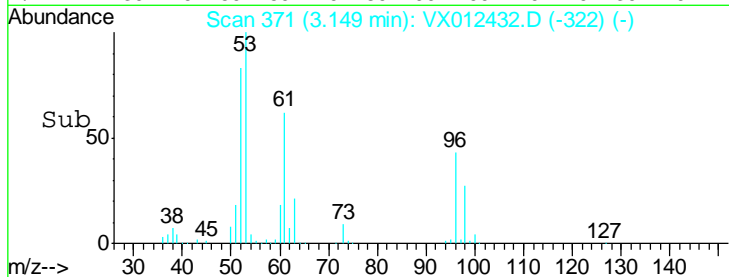
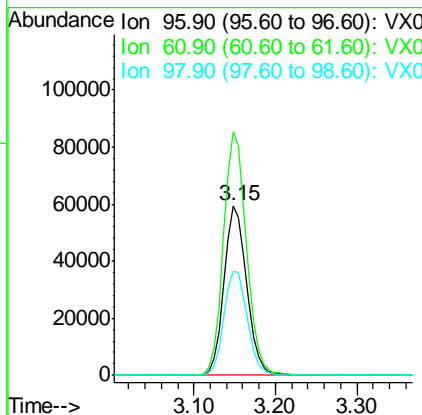
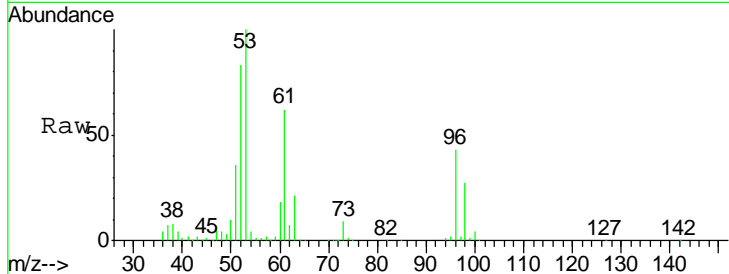
#21
 trans-1,2-Dichloroethene
 Concen: 76.257 ug/l
 RT: 3.15 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	113659		
96	100		
61	143.8	112.0	168.0
98	61.5	47.8	71.8

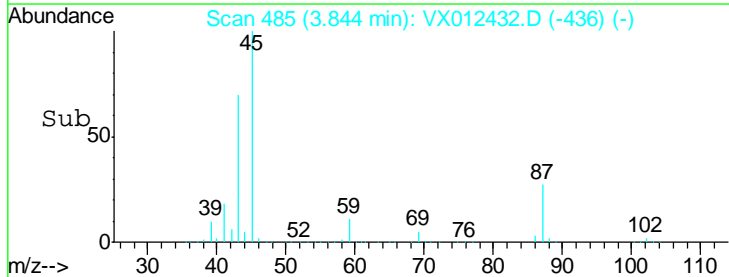
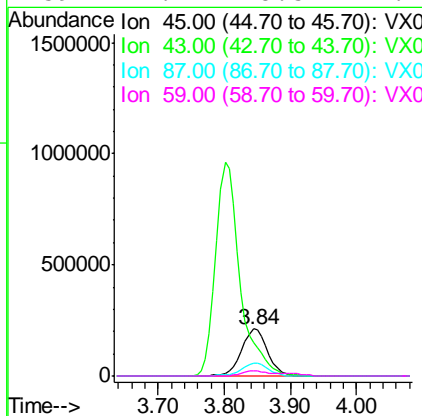
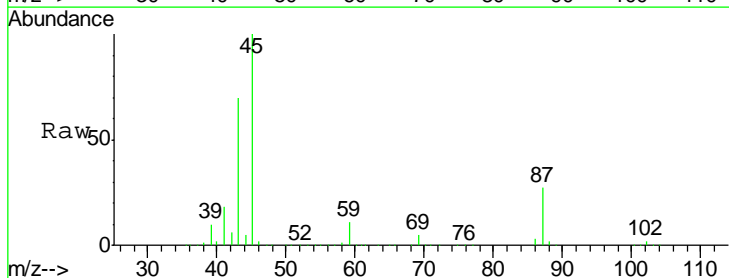
Manual Integrations
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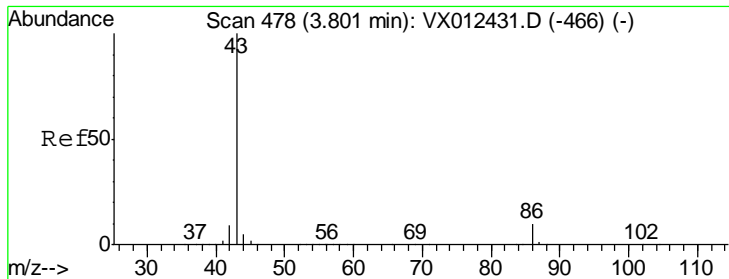
MMDadoda
 9/18/2019 11:22:19 AM



#22
 Diisopropyl ether
 Concen: 78.126 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
45	577337		
45	100		
43	70.3	57.8	86.8
87	27.1	21.3	31.9
59	11.2	8.5	12.7





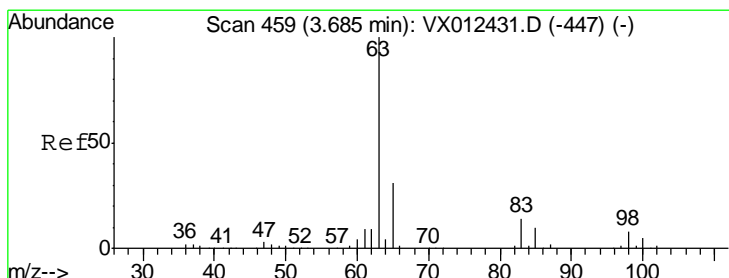
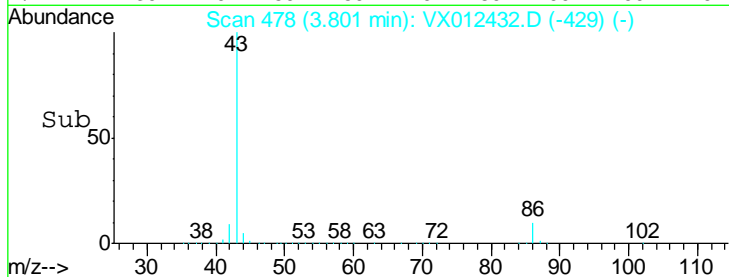
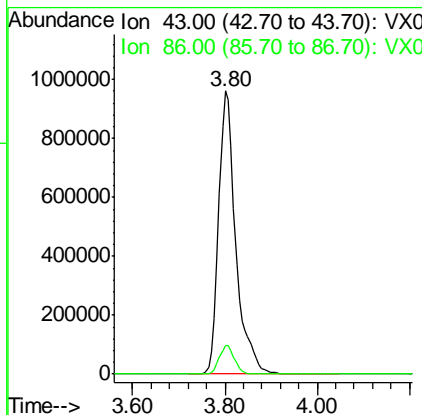
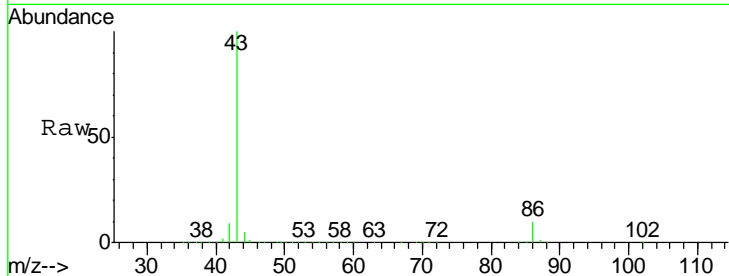
#23
 Vinyl Acetate
 Concen: 407.309 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

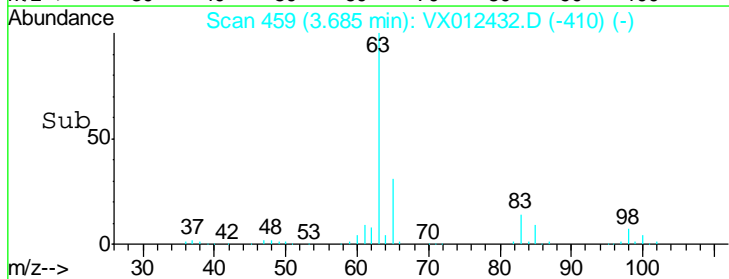
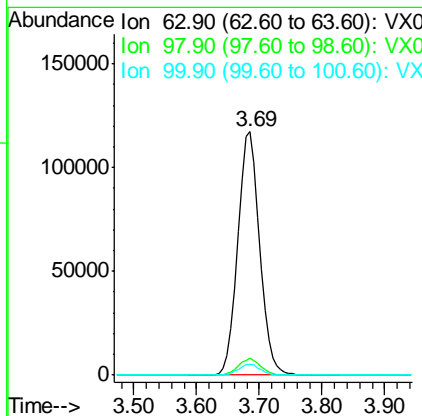
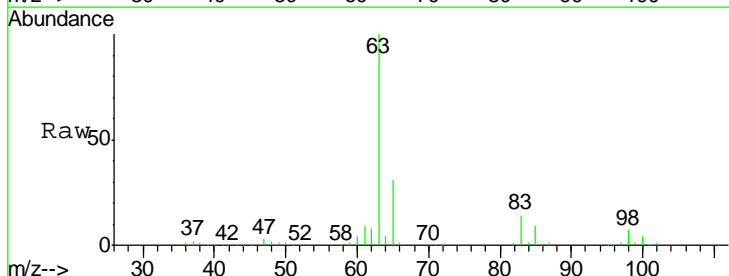
Manual Integrations APPROVED

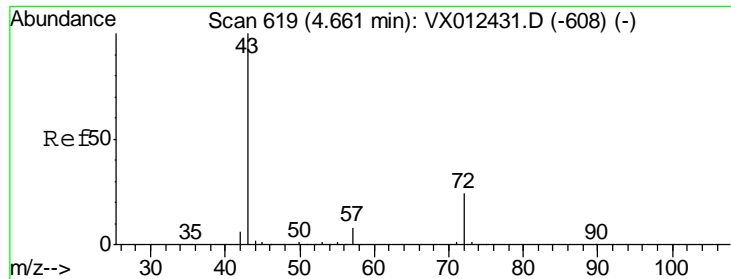
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#24
 1,1-Dichloroethane
 Concen: 76.221 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.8	3.9	11.7
100	4.3	2.3	6.9





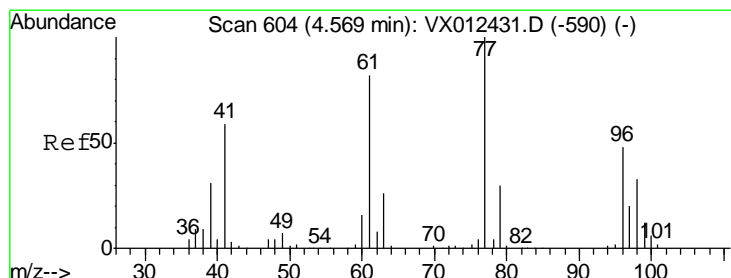
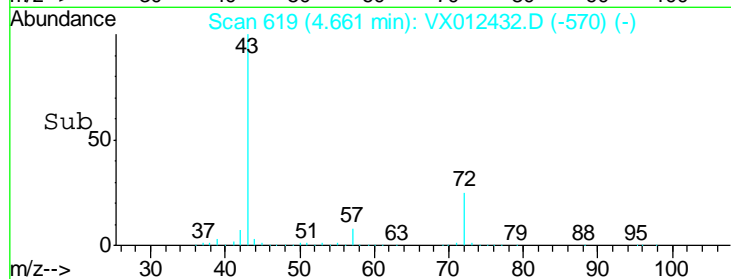
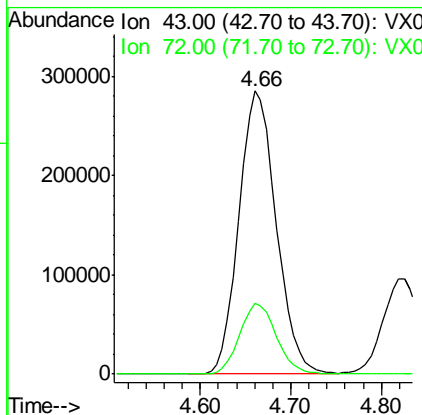
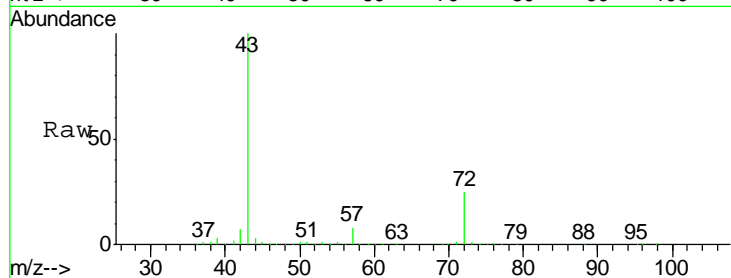
#25
 2-Butanone
 Concen: 383.800 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
72	24.9	19.2	28.8

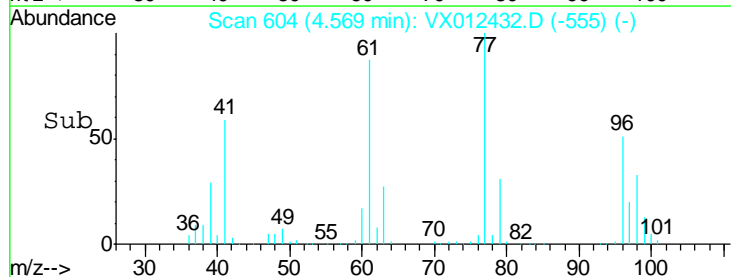
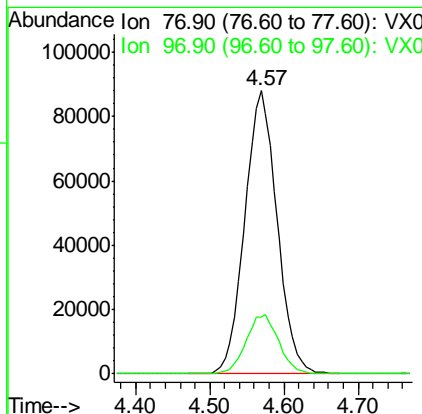
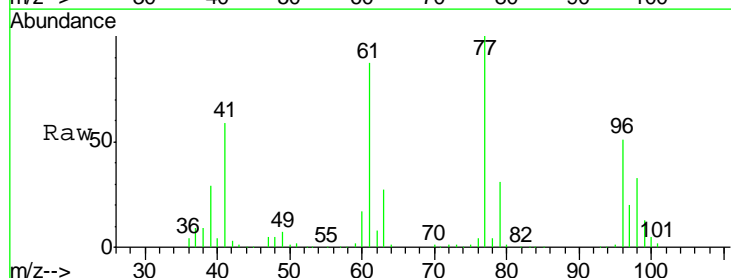
Manual Integrations
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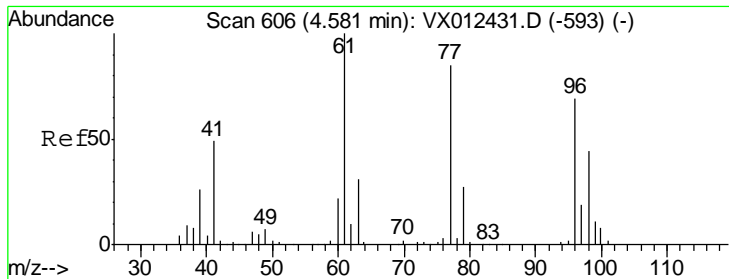
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#26
 2,2-Dichloropropane
 Concen: 75.819 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
77	100		
97	21.3	10.5	31.6



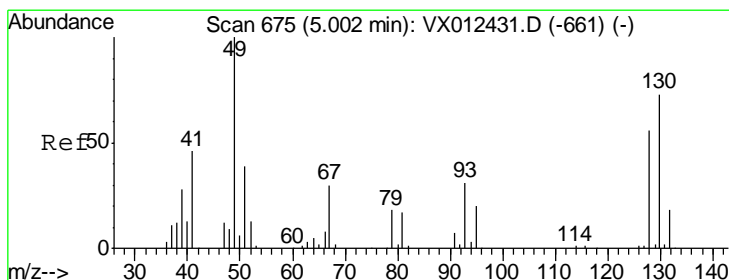
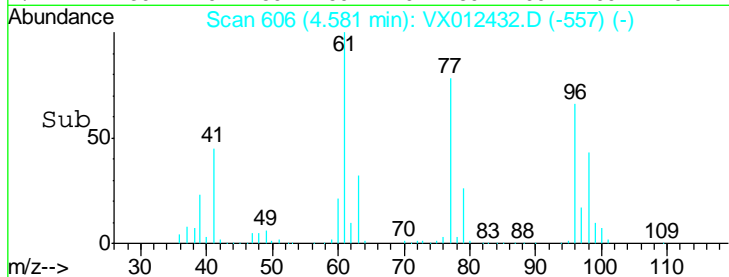
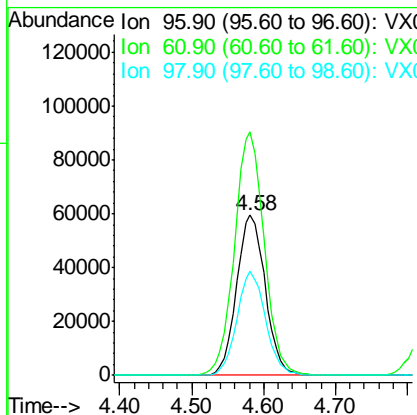
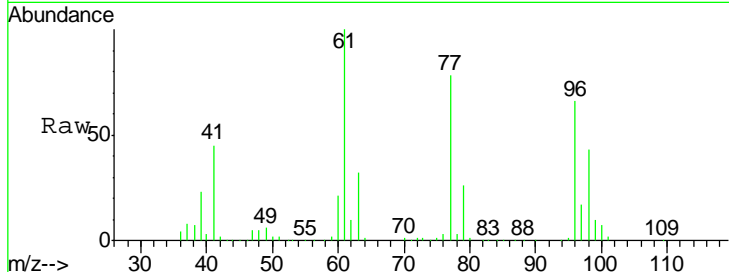


#27
 cis-1,2-Dichloroethene
 Concen: 75.145 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
96	164648		
96	100		
61	157.6	0.0	319.4
98	64.6	0.0	130.6

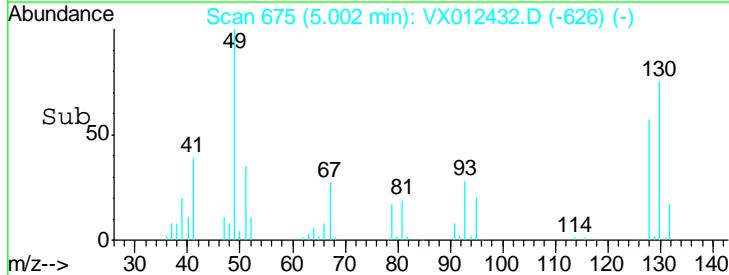
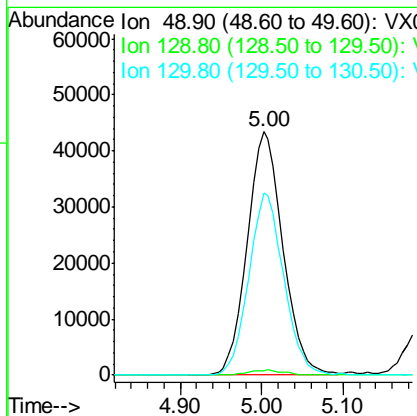
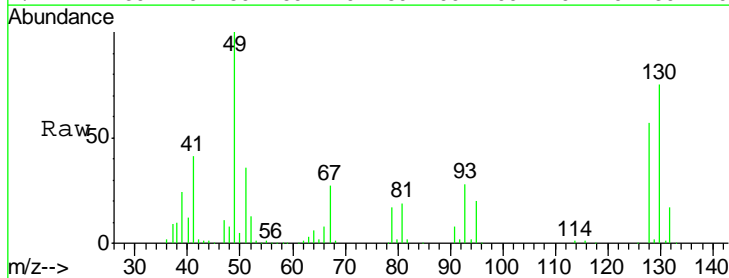
Instrument : MSVOA_X
 ClientSampled : VSTDICC100

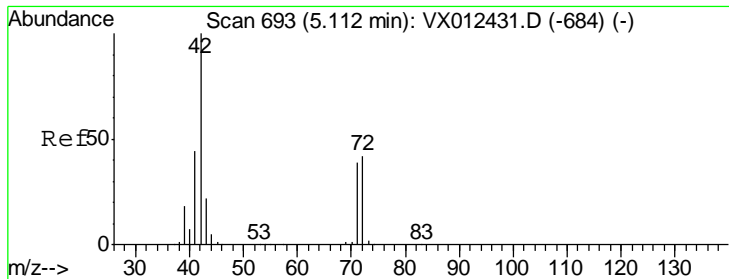
Manual Integrations APPROVED
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#28
 Bromochloromethane
 Concen: 70.063 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
49	132360		
49	100		
129	2.1	0.0	3.8
130	73.5	58.2	87.4





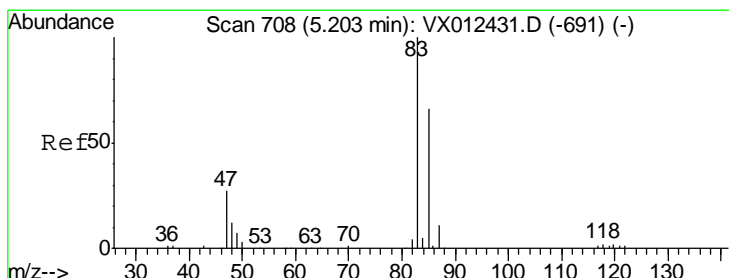
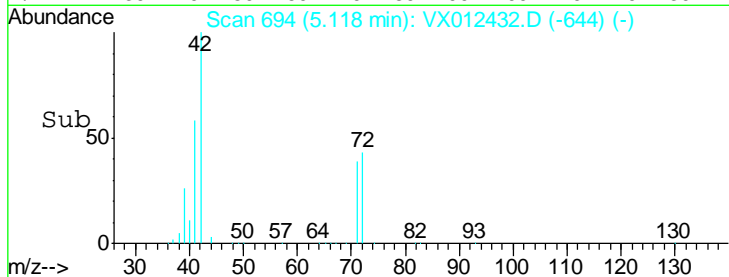
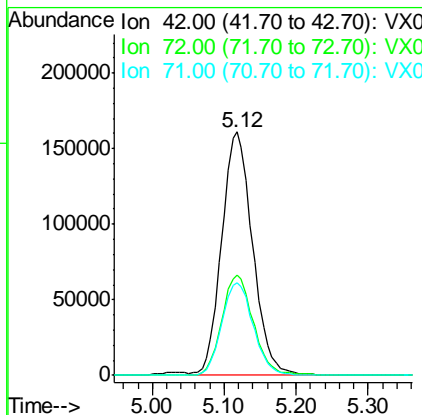
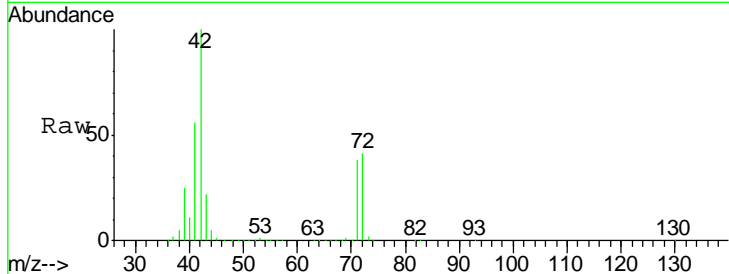
#29
 Tetrahydrofuran
 Concen: 393.396 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.2	34.0	51.0
71	38.9	31.5	47.3

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

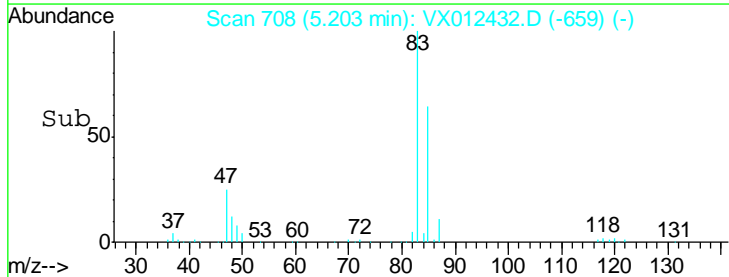
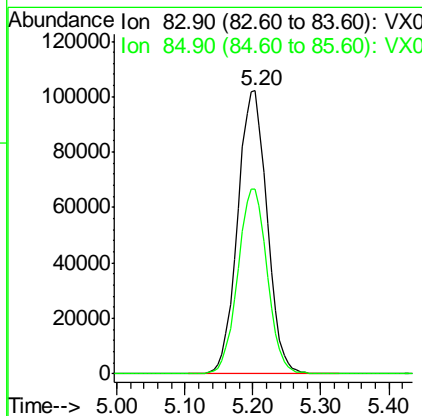
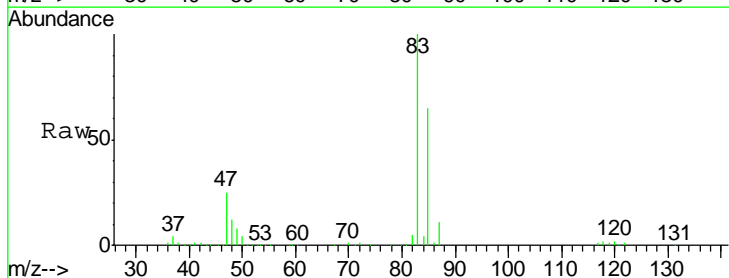
Manual Integrations
 APPROVED

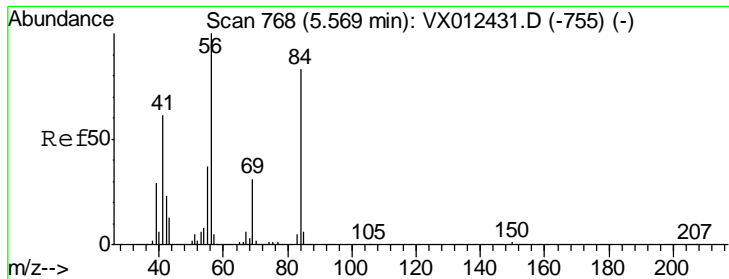
MMDadoda
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#30
 Chloroform
 Concen: 71.870 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.4	53.0	79.4





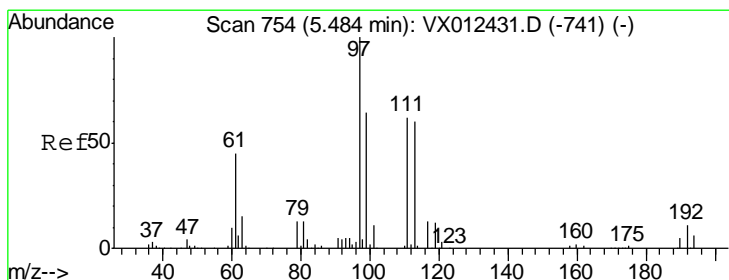
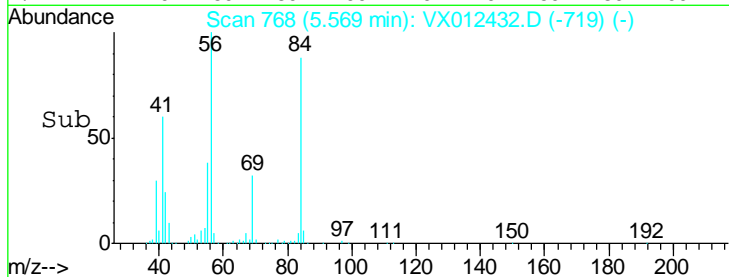
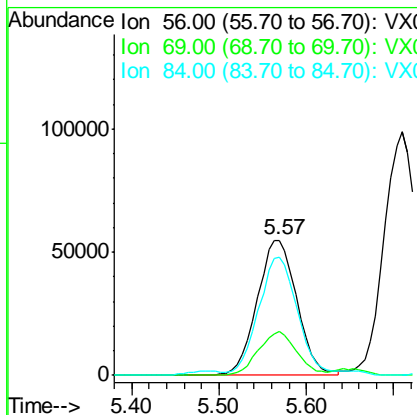
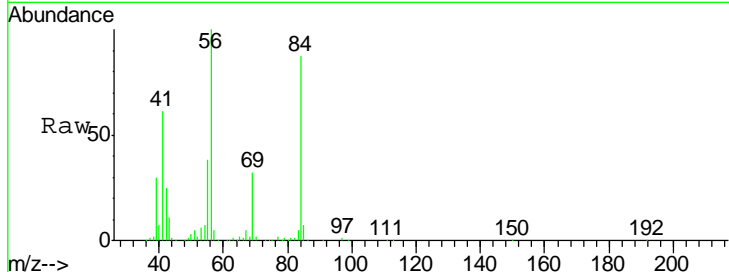
#31
 Cyclohexane
 Concen: 77.864 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	172833		
56	100		
69	32.1	25.0	37.6
84	85.6	66.4	99.6

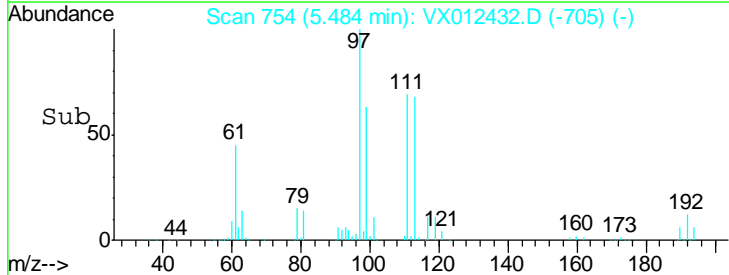
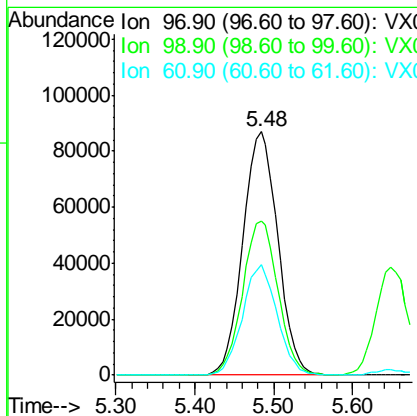
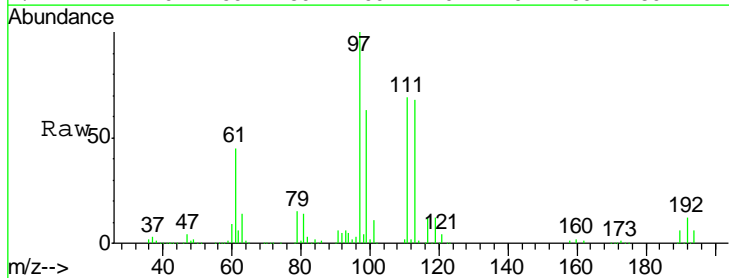
Manual Integrations
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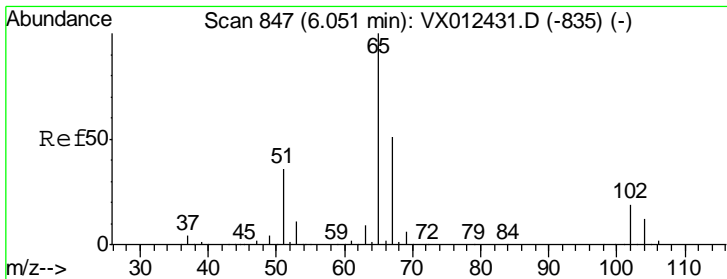
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#32
 1,1,1-Trichloroethane
 Concen: 75.809 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
97	267883		
97	100		
99	64.2	51.3	76.9
61	44.9	36.1	54.1





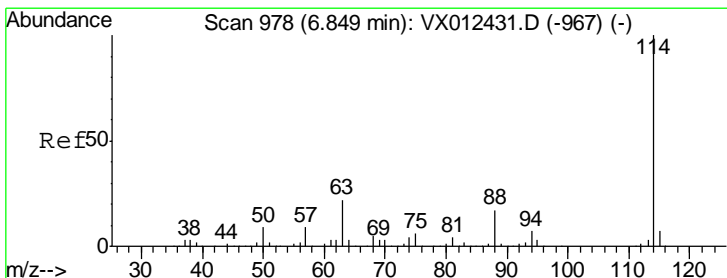
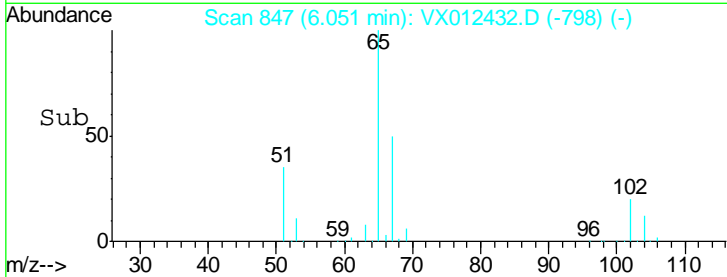
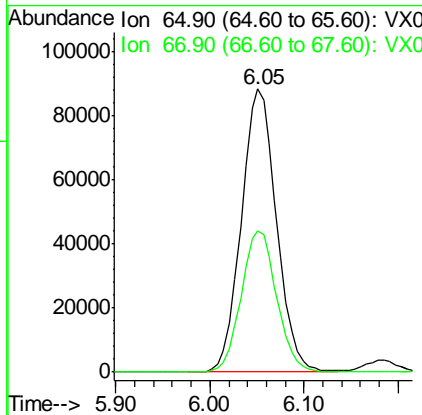
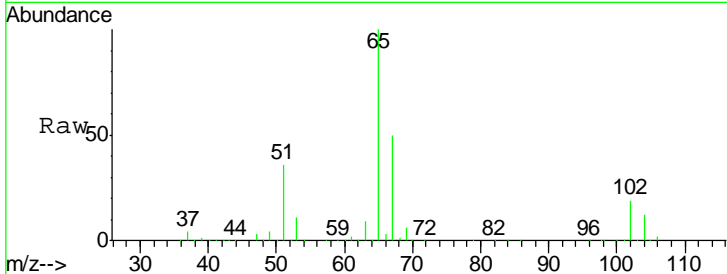
#33
 1,2-Dichloroethane-d4
 Concen: 72.256 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
65	100		
67	50.5	0.0	101.2

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

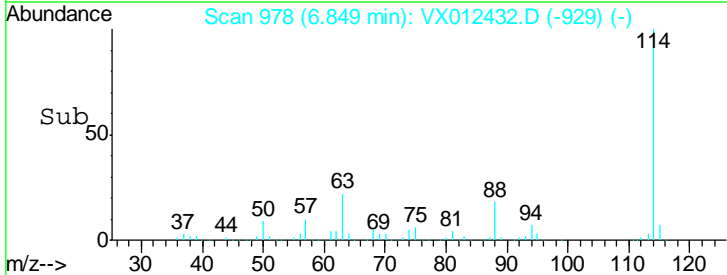
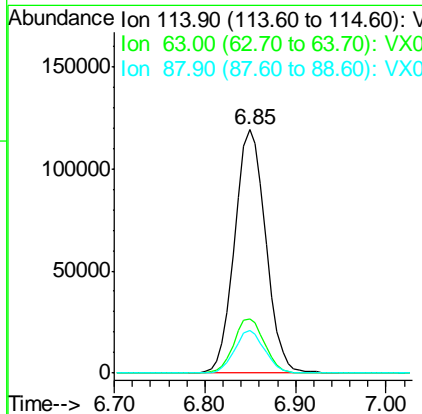
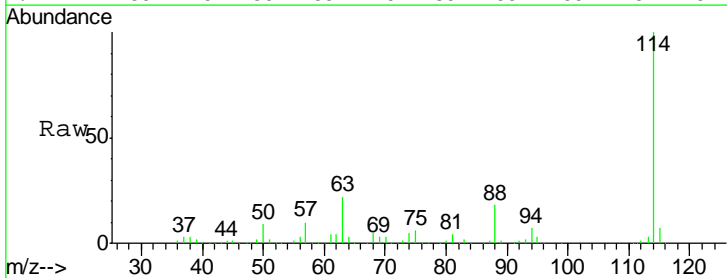
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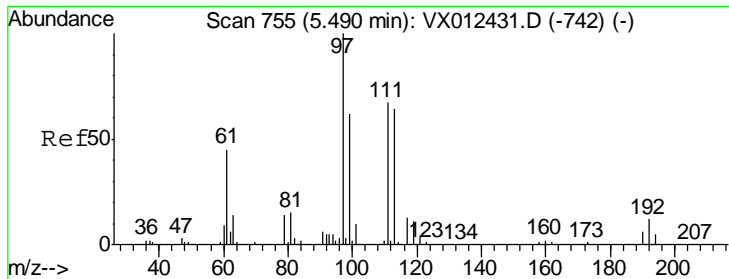
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
114	100		
63	22.2	0.0	43.2
88	17.6	0.0	33.2





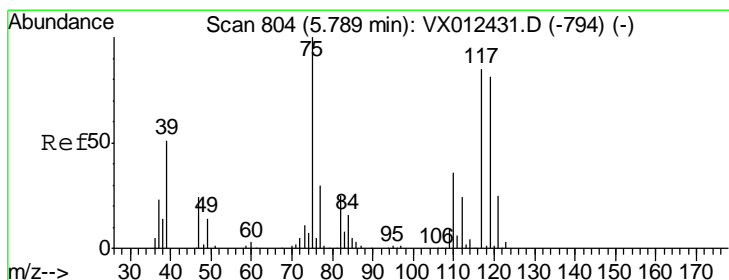
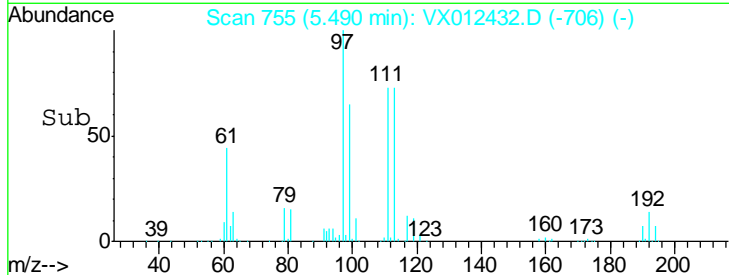
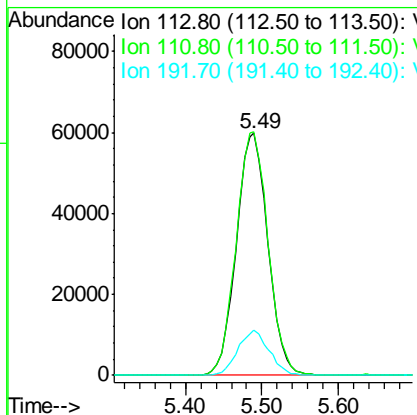
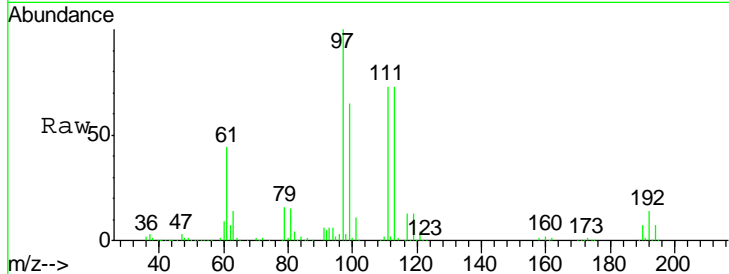
#35
 Dibromofluoromethane
 Concen: 68.178 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
113	171273		
113	100		
111	101.7	83.4	125.2
192	18.1	14.4	21.6

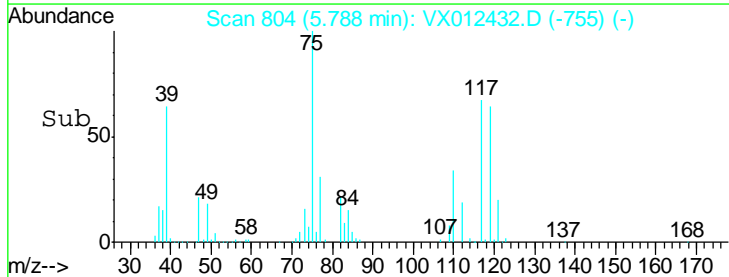
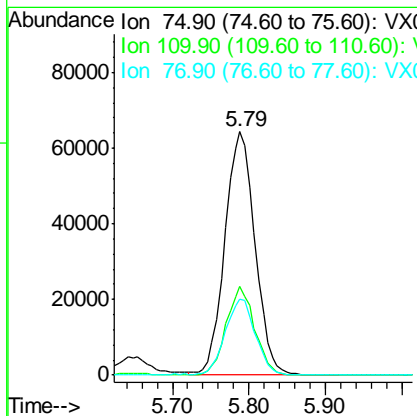
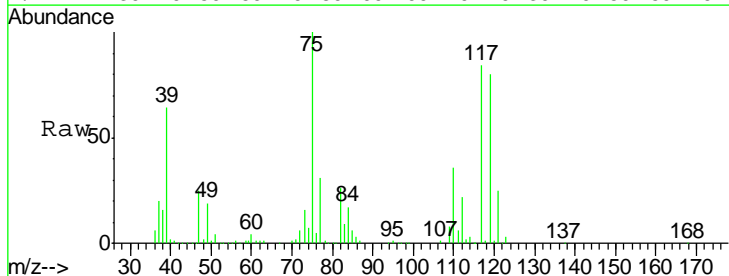
Manual Integrations
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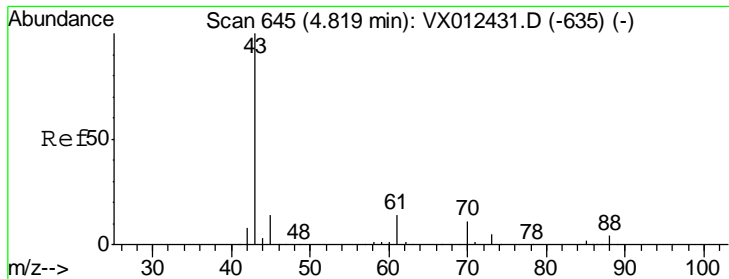
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#36
 1,1-Dichloropropene
 Concen: 70.654 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
75	174672		
75	100		
110	34.6	16.7	50.0
77	31.3	24.2	36.2





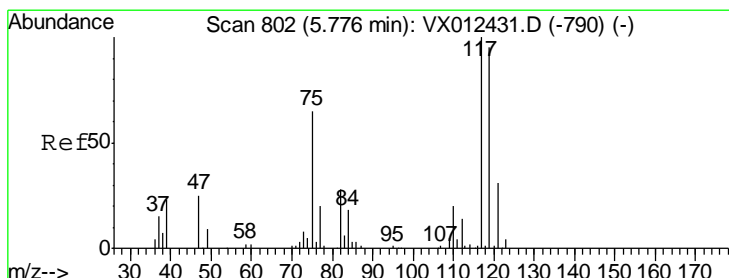
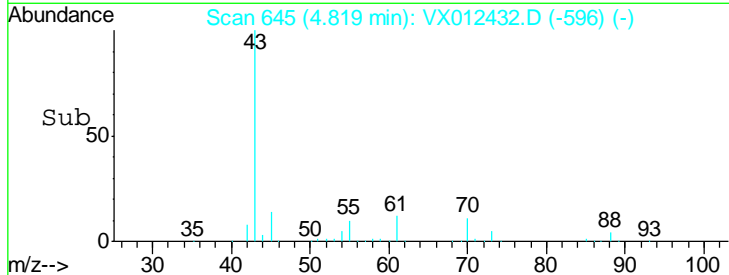
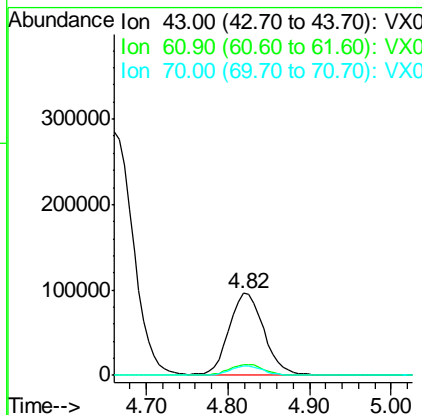
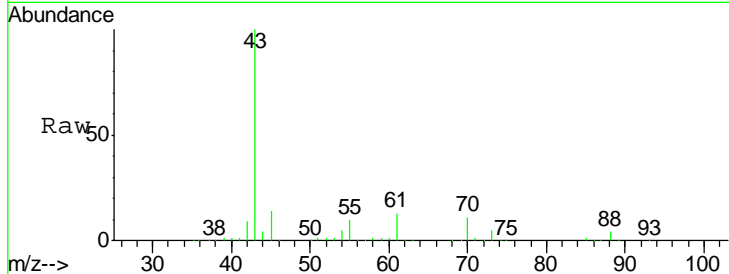
#37
 Ethyl Acetate
 Concen: 74.179 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	12.9	10.2	15.4
70	11.1	8.7	13.1

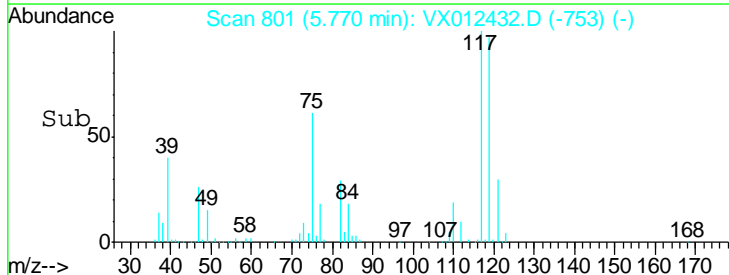
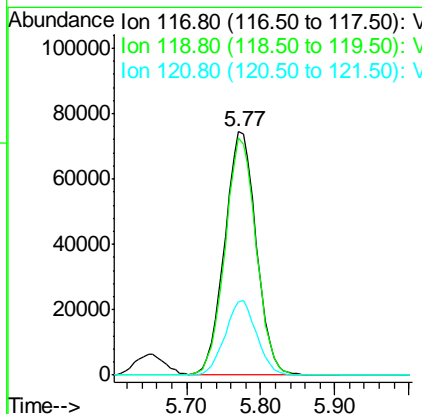
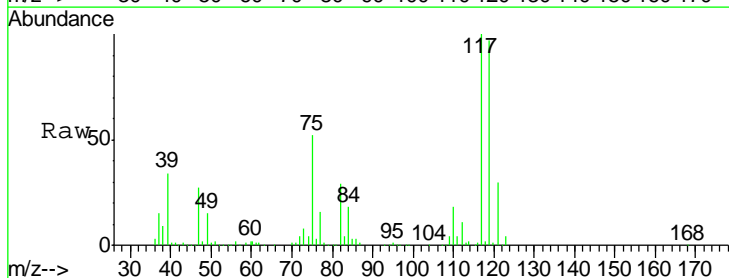
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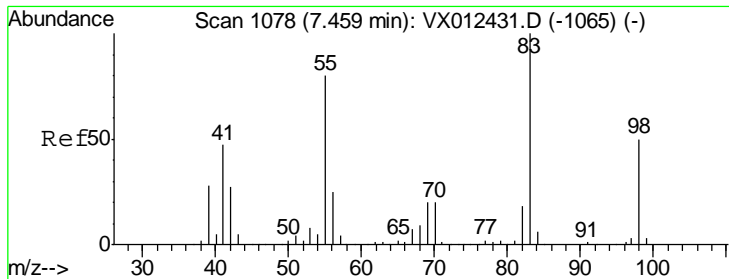
MMDadoda
 9/18/2019 11:22:19 AM



#38
 Carbon Tetrachloride
 Concen: 73.615 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.2	75.7	113.5
121	30.4	24.2	36.4





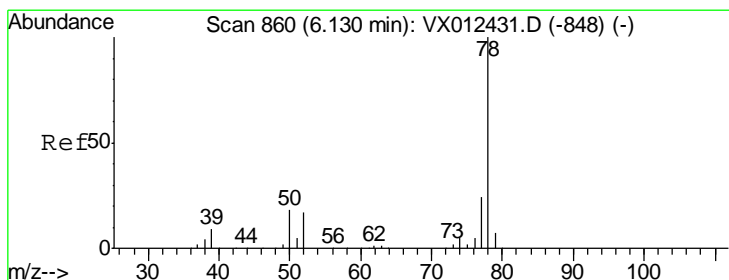
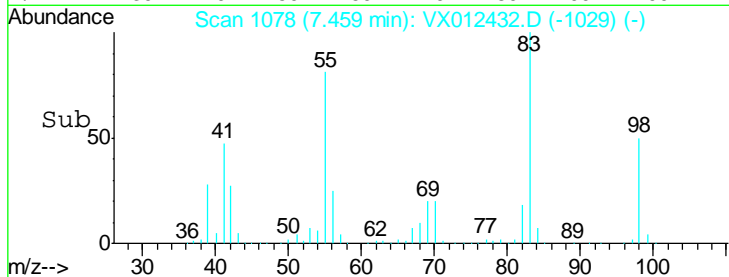
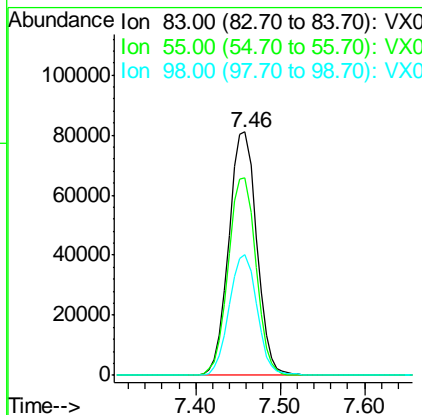
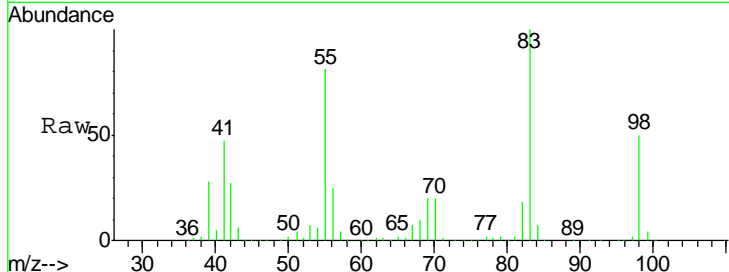
#39
 Methylcyclohexane
 Concen: 76.746 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
83	100		
55	81.1	64.4	96.6
98	49.7	40.1	60.1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

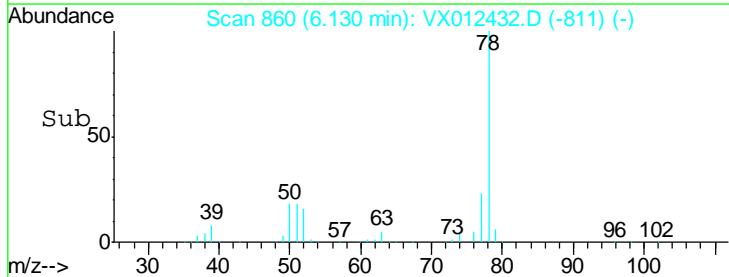
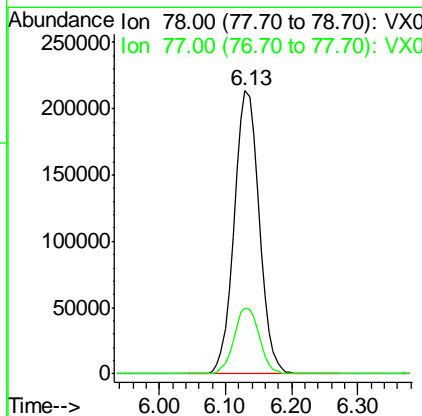
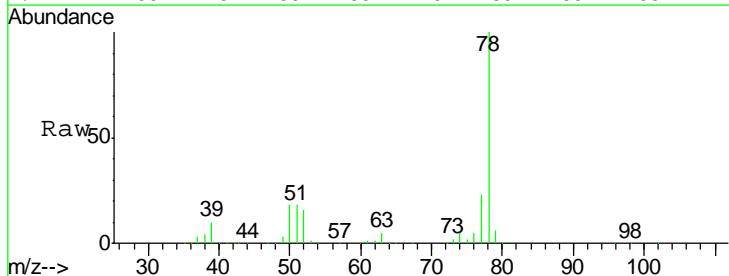
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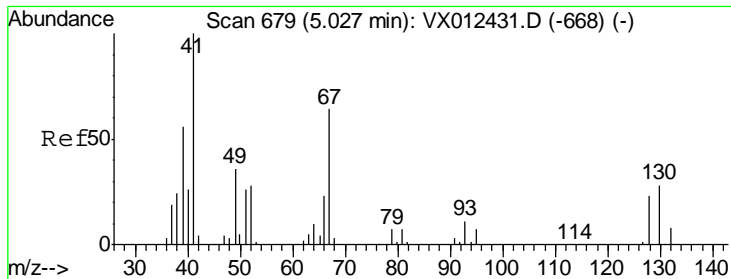
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#40
 Benzene
 Concen: 74.046 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.2	19.2	28.8





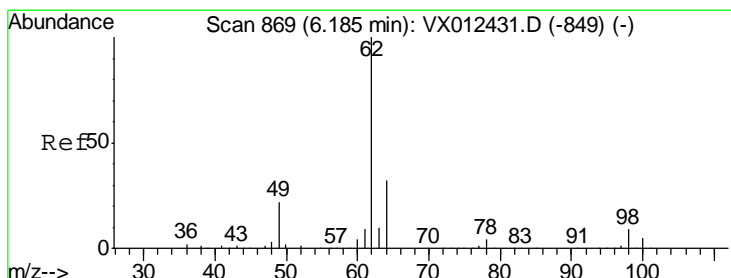
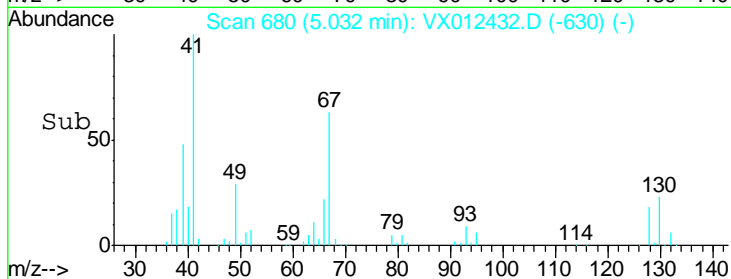
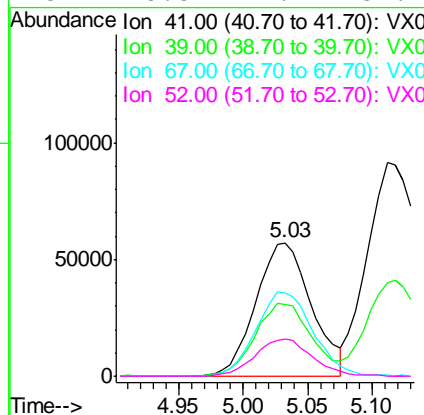
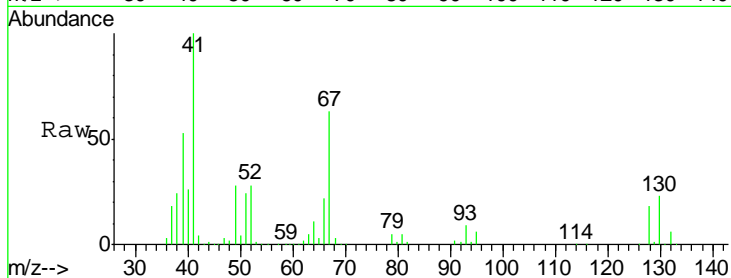
#41
 Methacrylonitrile
 Concen: 78.789 ug/l
 RT: 5.03 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.4	46.0	69.0
67	64.8	52.2	78.2
52	28.5	22.7	34.1

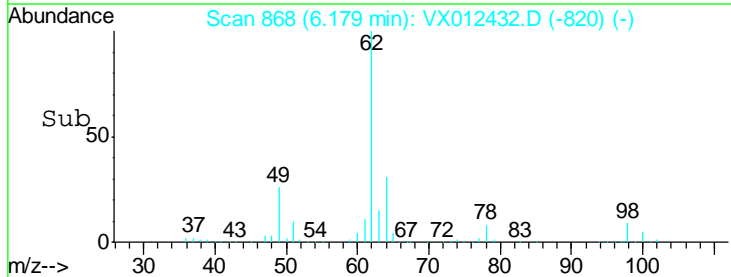
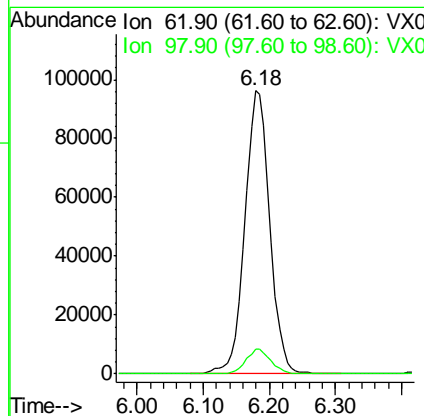
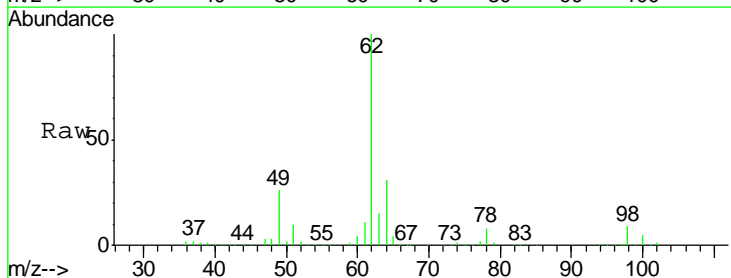
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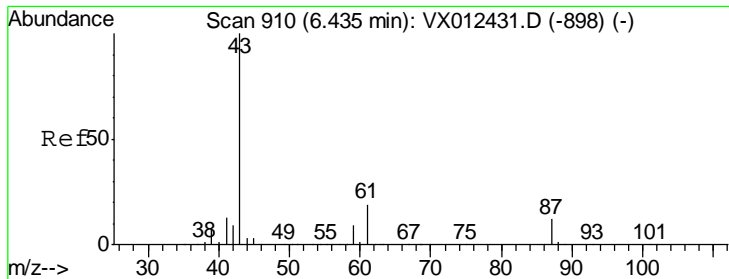
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#42
 1,2-Dichloroethane
 Concen: 72.733 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.6	0.0	17.8





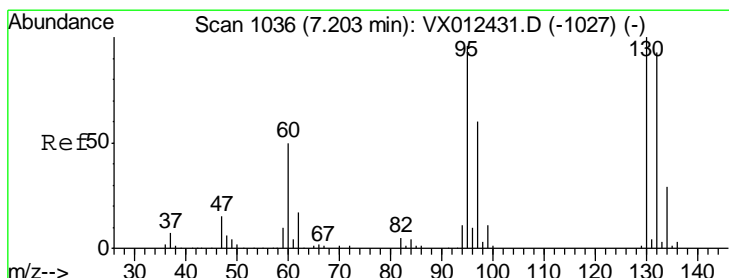
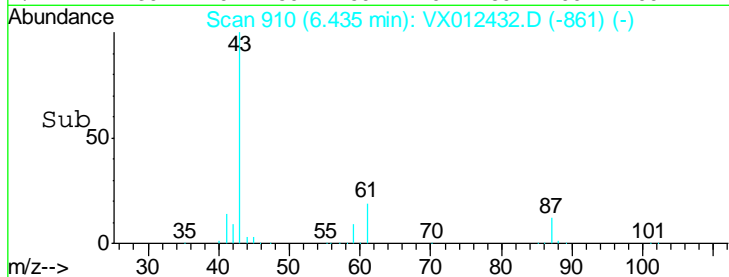
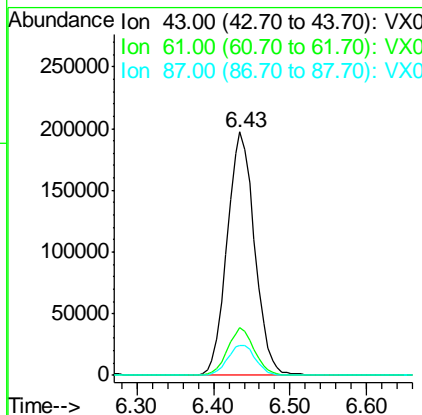
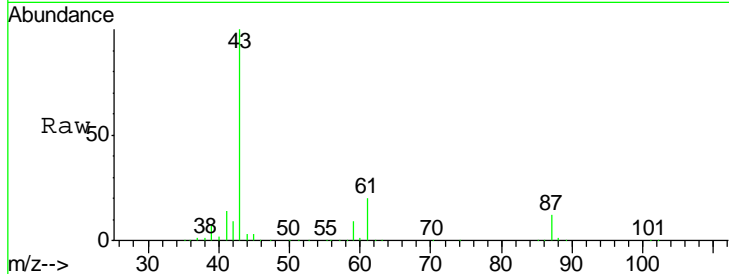
#43
 Isopropyl Acetate
 Concen: 74.654 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	12.7	9.8	14.8

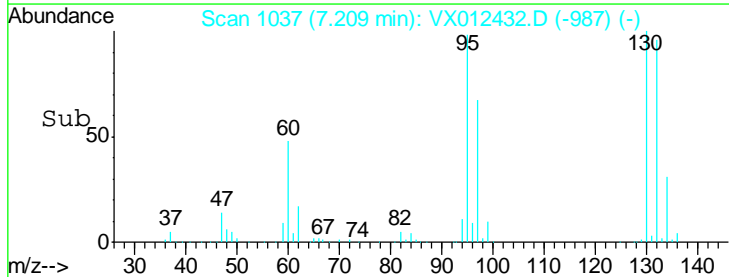
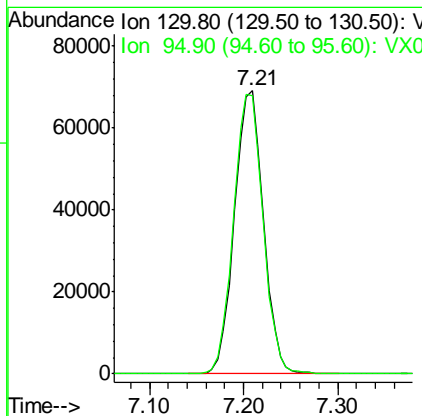
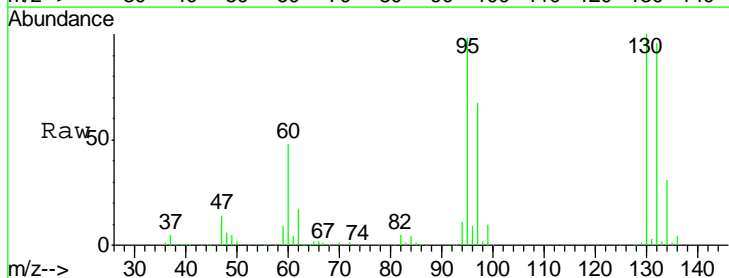
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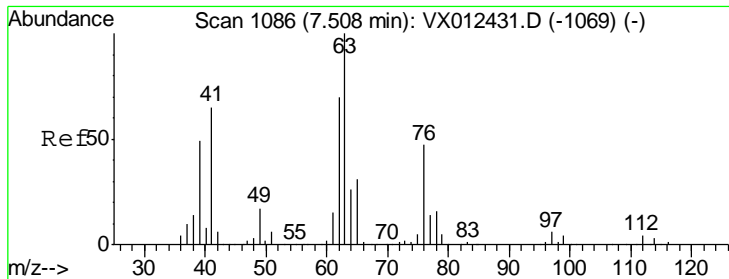
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#44
 Trichloroethene
 Concen: 72.571 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.2	0.0	193.0





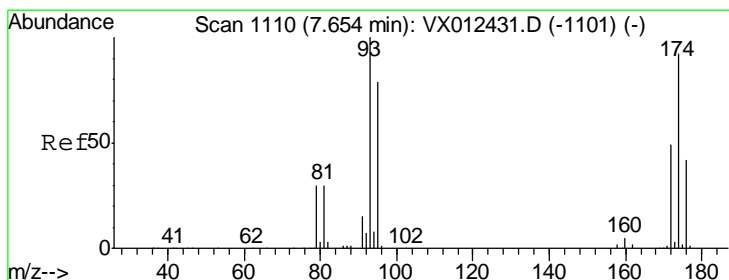
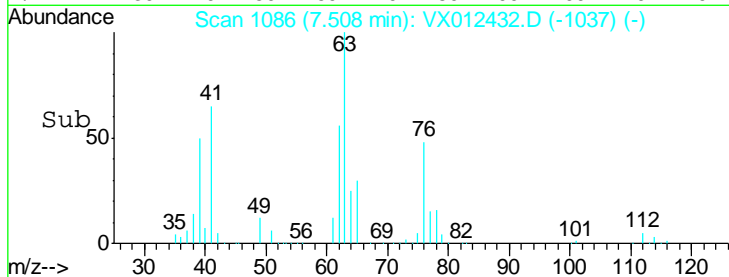
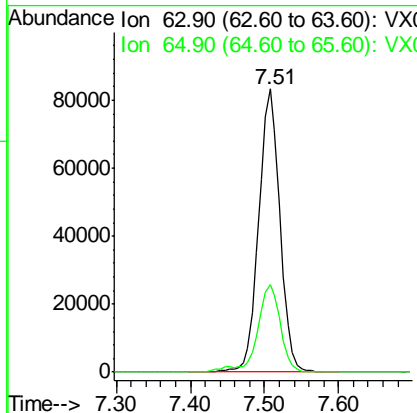
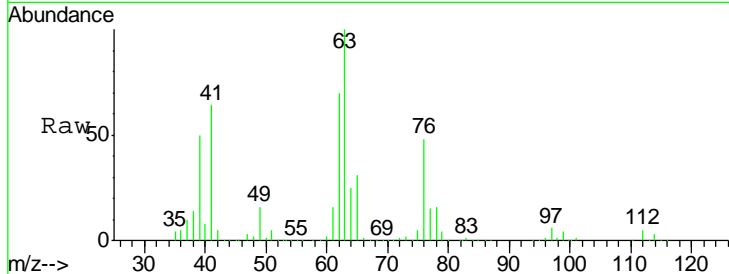
#45
 1,2-Dichloropropane
 Concen: 71.625 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
63	166827		
63	100		
65	31.0	25.0	37.6

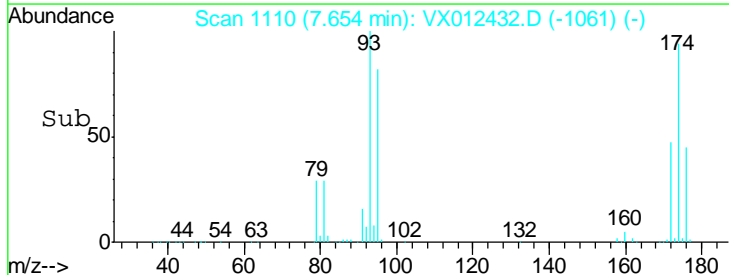
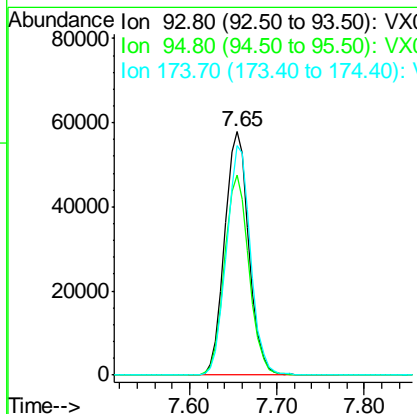
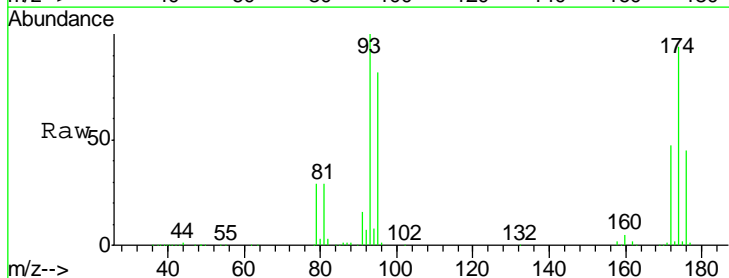
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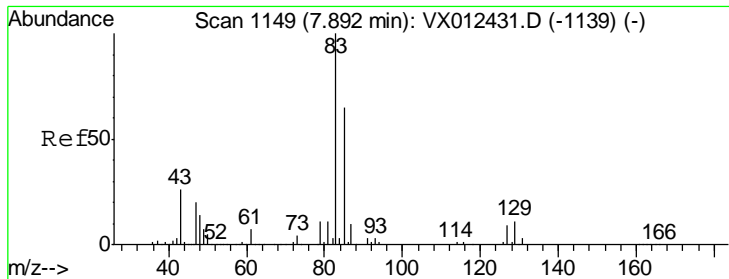
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#46
 Dibromomethane
 Concen: 71.828 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
93	111094		
93	100		
95	82.8	66.6	100.0
174	94.0	77.4	116.0





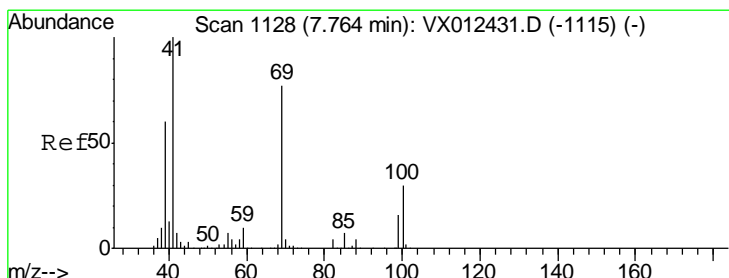
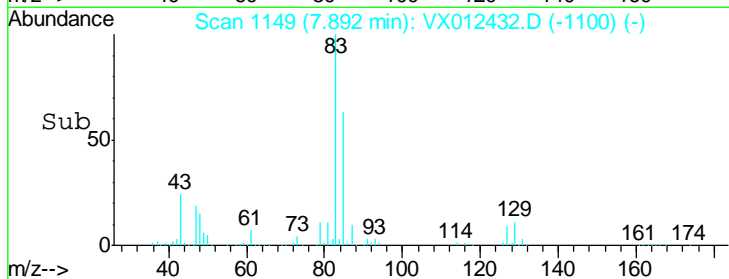
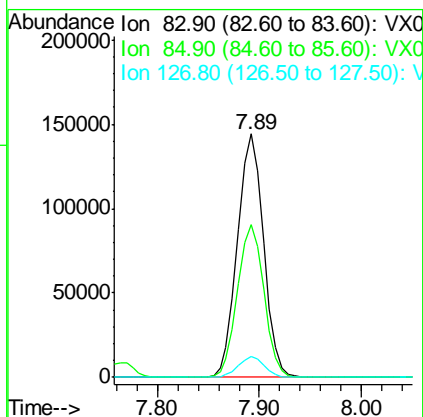
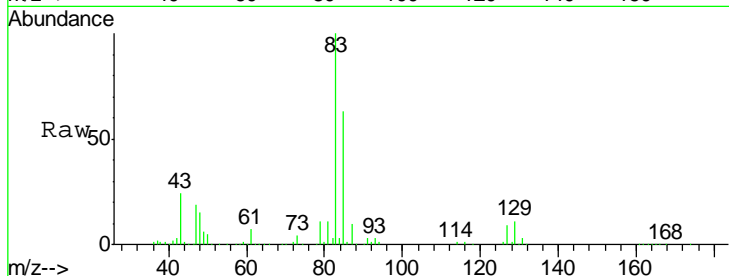
#47
 Bromodichloromethane
 Concen: 74.268 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	255797		
85	62.8	51.8	77.6
127	8.5	7.3	10.9

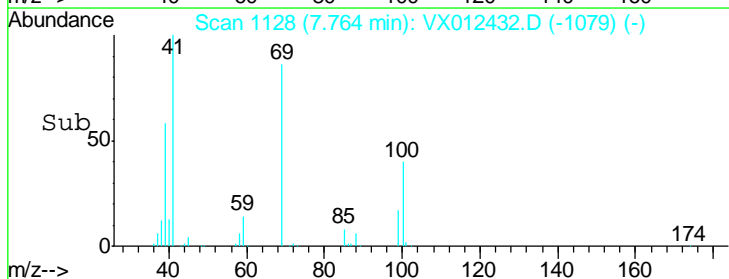
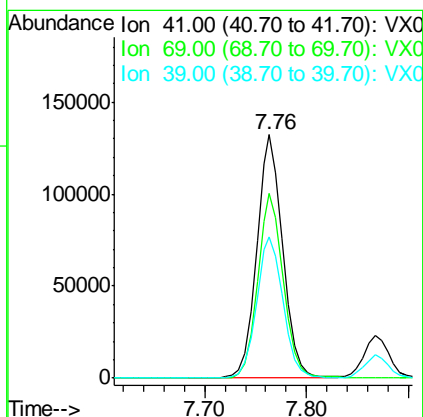
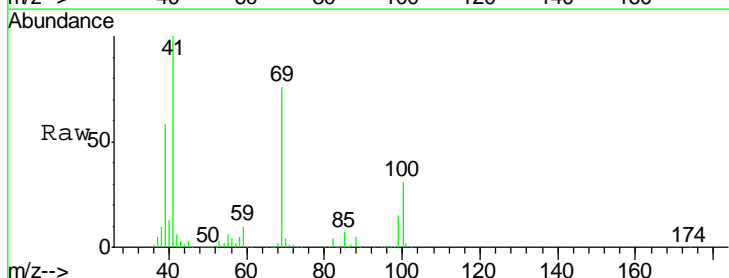
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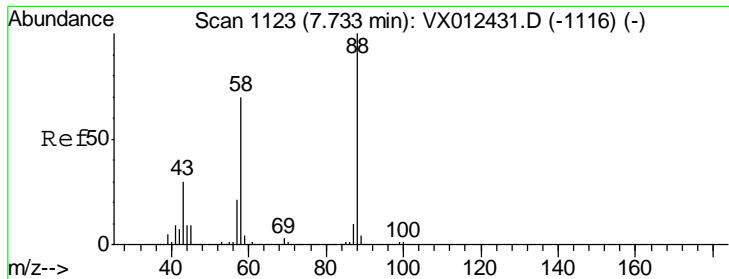
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#48
 Methyl methacrylate
 Concen: 80.634 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
41	234329		
69	74.9	59.9	89.9
39	59.2	47.8	71.6





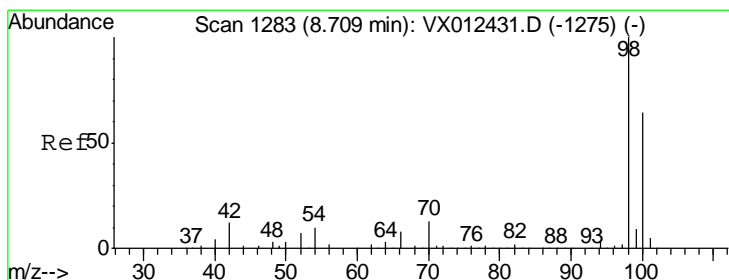
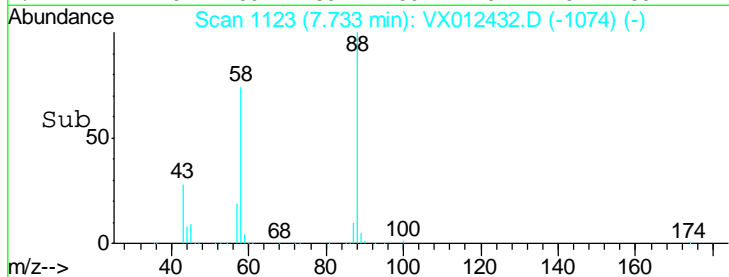
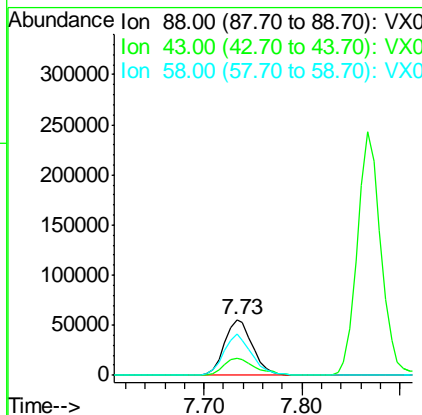
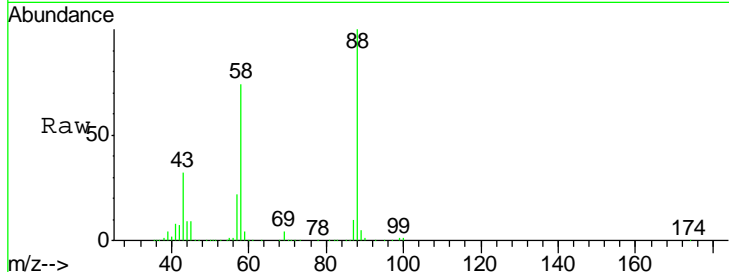
#49
 1,4-Dioxane
 Concen: 1491.947 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
88	110622		
88	100		
43	35.6	29.4	44.0
58	73.0	57.5	86.3

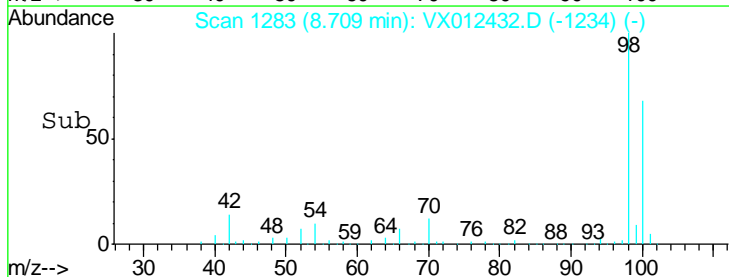
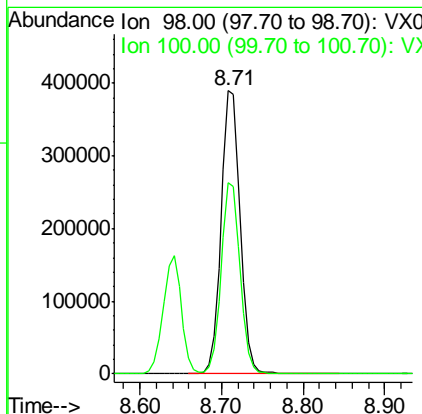
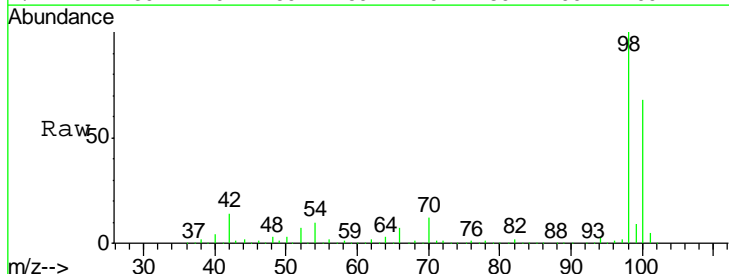
Manual Integrations
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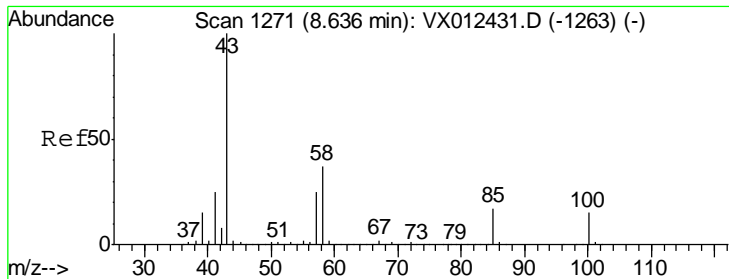
MMDadoda
 9/18/2019 11:22:19 AM



#50
 Toluene-d8
 Concen: 70.876 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
98	631088		
98	100		
100	67.5	53.4	80.2





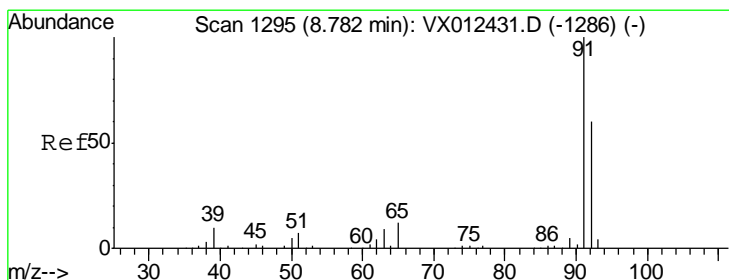
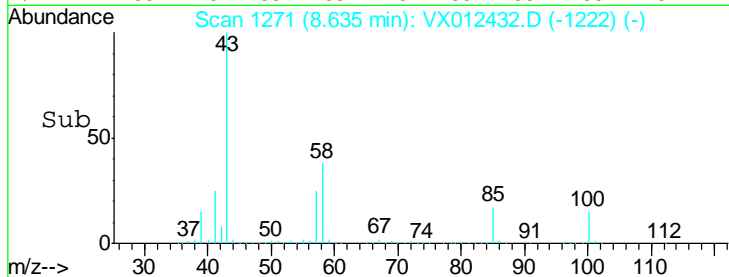
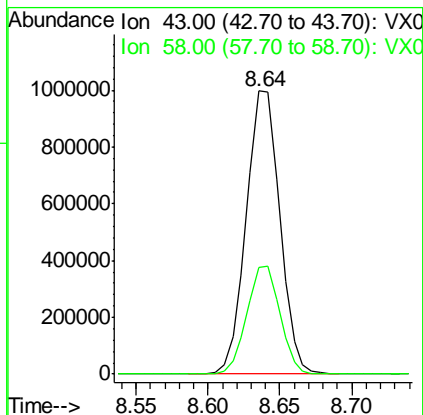
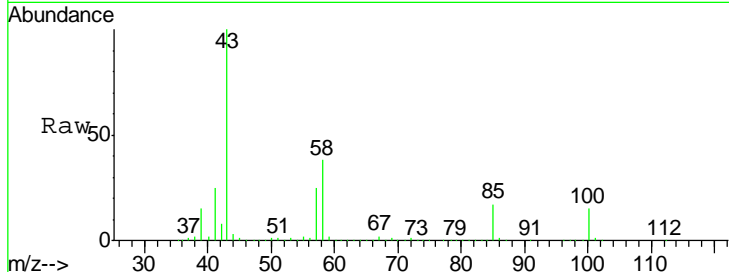
#51
 4-Methyl-2-Pentanone
 Concen: 379.652 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	1607604		
58	37.9	29.8	44.6

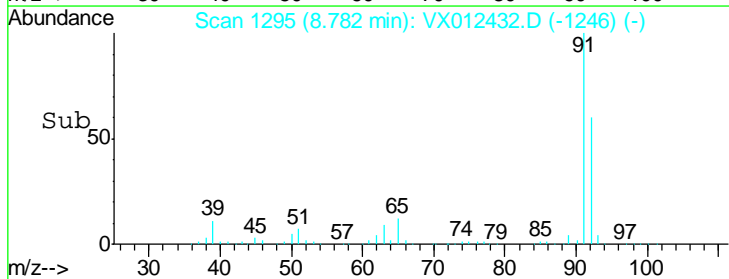
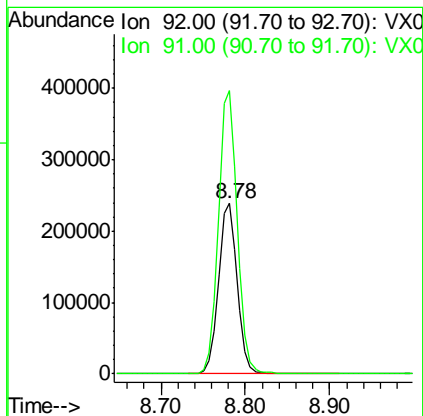
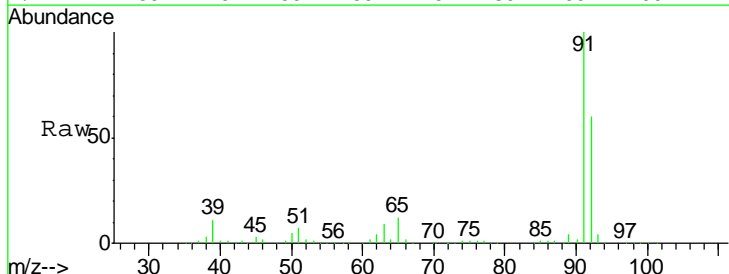
Manual Integrations
 APPROVED

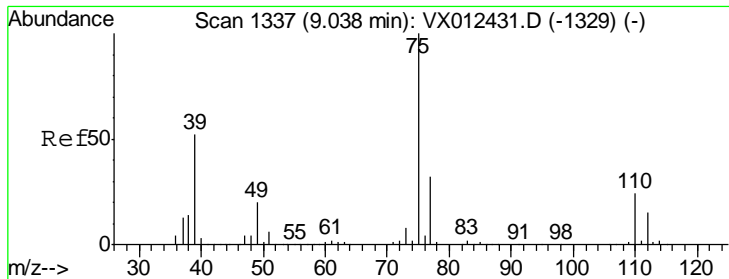
MMDadoda
 9/18/2019 11:22:19 AM



#52
 Toluene
 Concen: 74.427 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
92	366280		
91	167.6	135.4	203.0





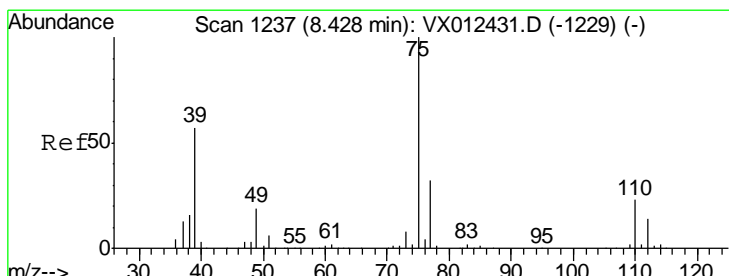
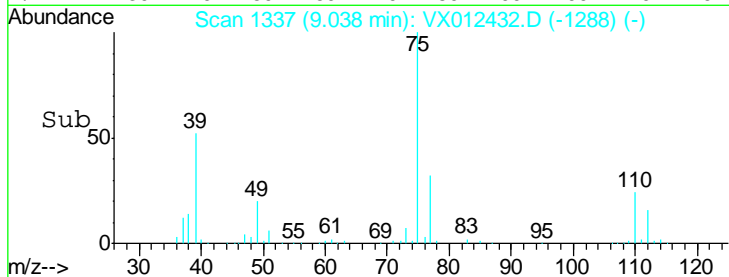
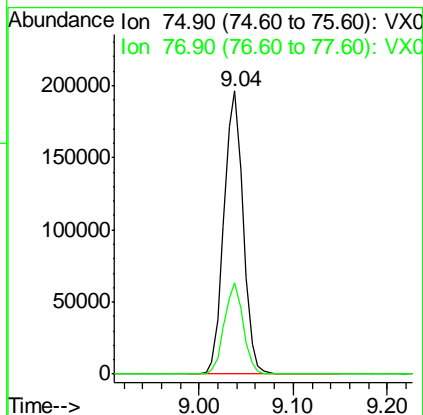
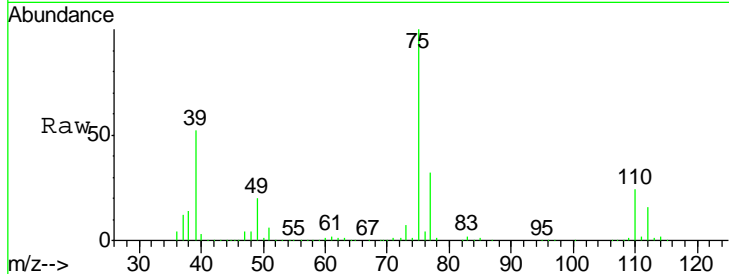
#53
 t-1,3-Dichloropropene
 Concen: 77.470 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	276870		
75	100		
77	32.3	25.2	37.8

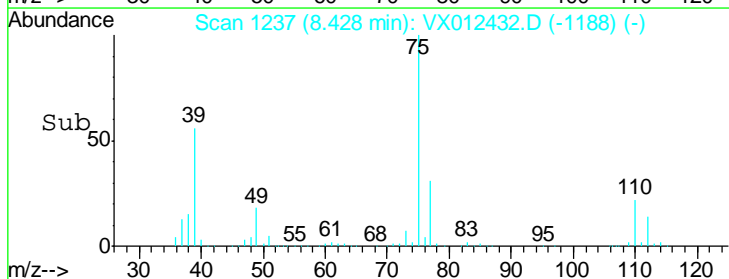
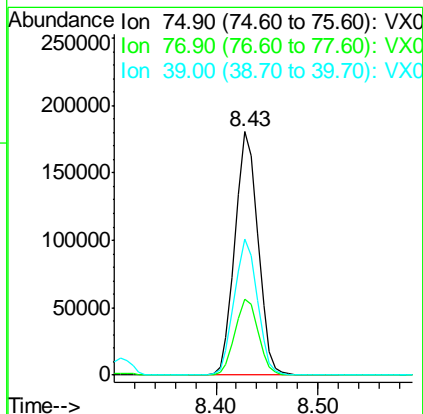
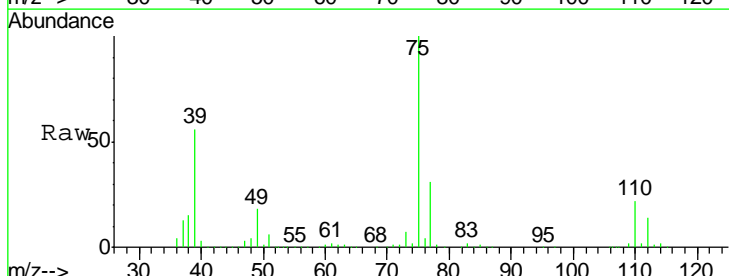
Manual Integrations
 APPROVED

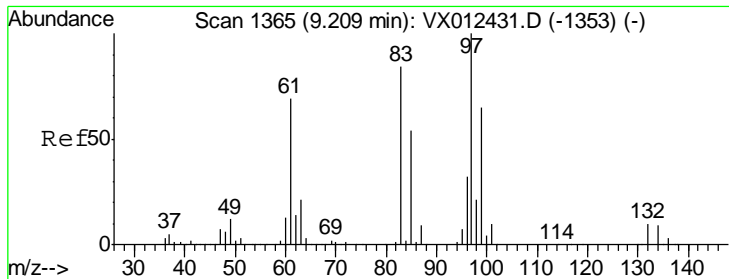
MMDadoda
 9/18/2019 11:22:19 AM



#54
 cis-1,3-Dichloropropene
 Concen: 76.070 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
75	281387		
75	100		
77	31.3	25.8	38.8
39	55.8	45.5	68.3



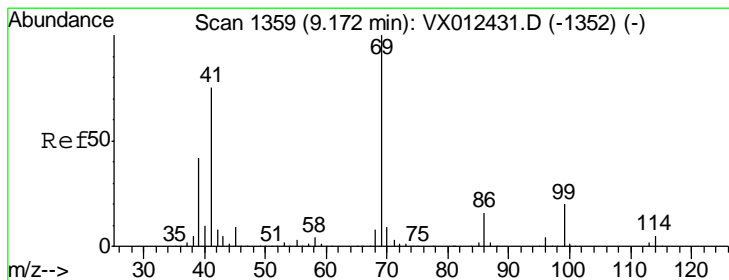
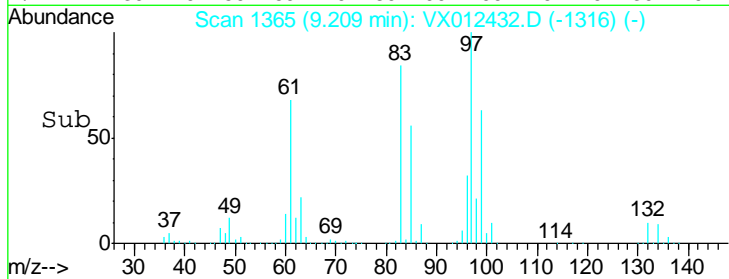
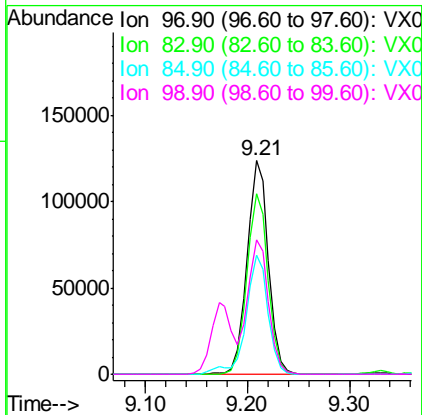
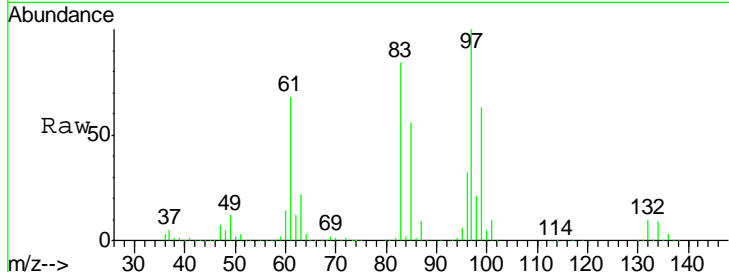


#55
 1,1,2-Trichloroethane
 Concen: 69.261 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
97	180393		
97	100		
83	84.4	67.4	101.2
85	55.9	43.5	65.3
99	62.8	51.8	77.8

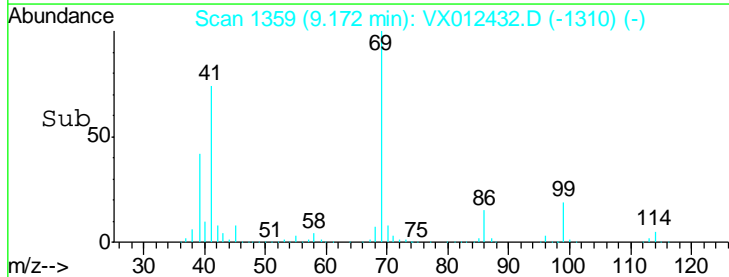
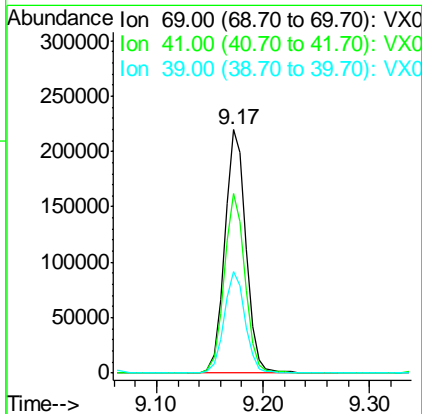
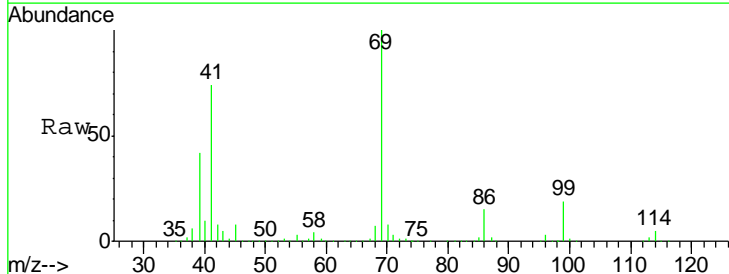
Instrument : MSVOA_X
 ClientSampled : VSTDIC100

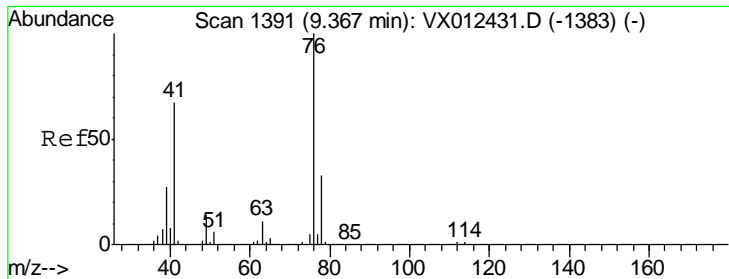
Manual Integrations APPROVED
 MMDadoda
 9/18/2019 11:22:19 AM



#56
 Ethyl methacrylate
 Concen: 78.162 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
69	305933		
69	100		
41	72.3	58.4	87.6
39	41.3	33.4	50.0





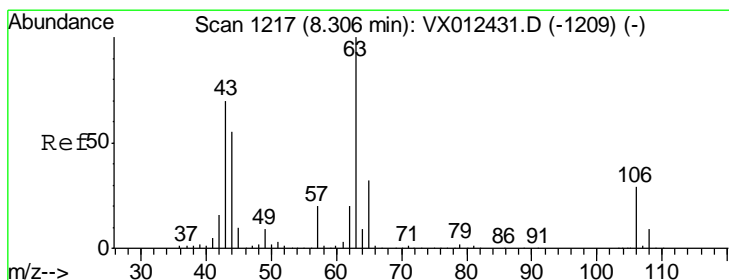
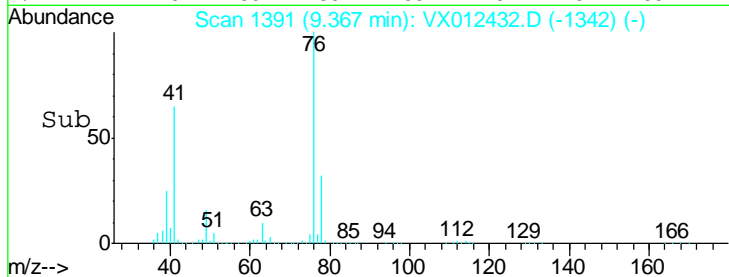
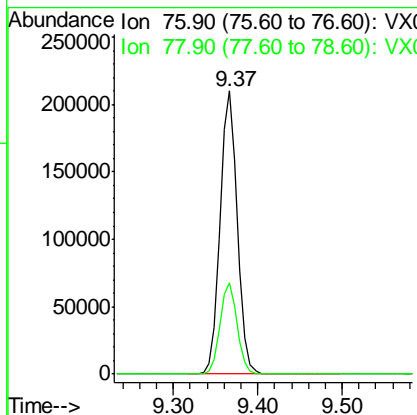
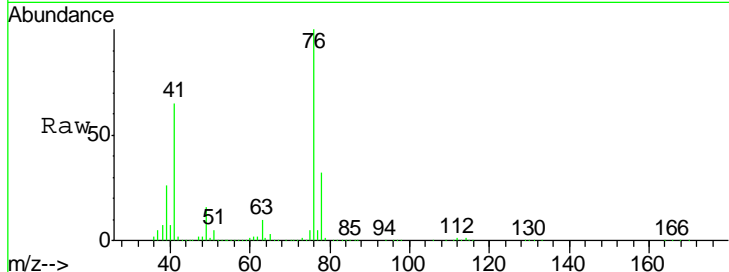
#57
 1,3-Dichloropropane
 Concen: 72.038 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	296984		
76	100		
78	32.3	26.2	39.2

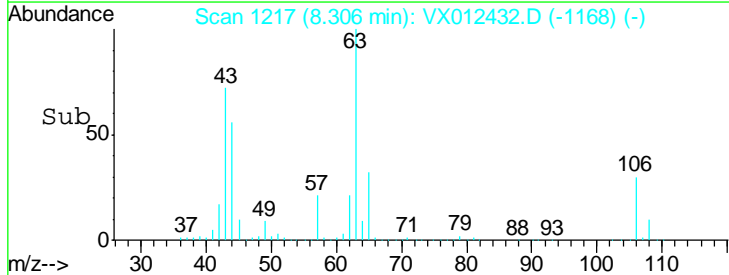
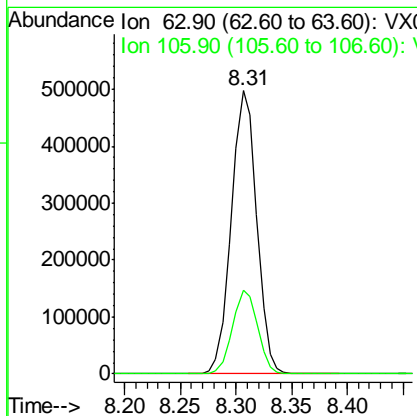
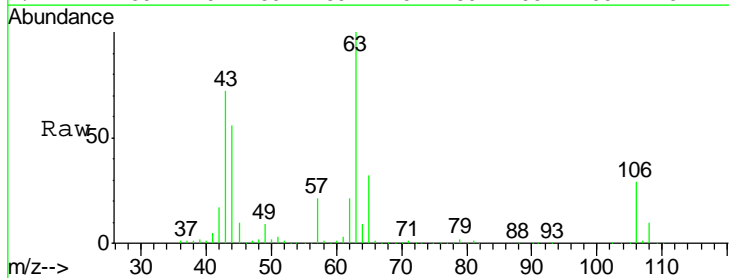
Manual Integrations
APPROVED

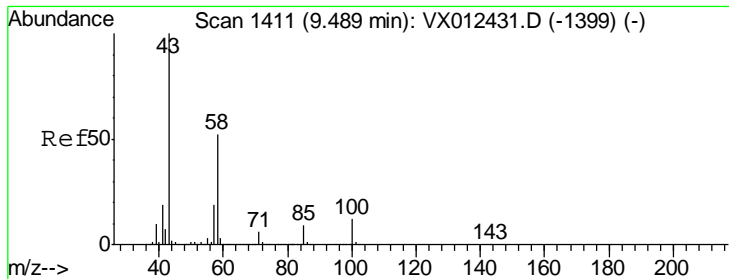
MMDadoda
 9/18/2019 11:22:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 376.536 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
63	785573		
63	100		
106	29.4	23.8	35.6





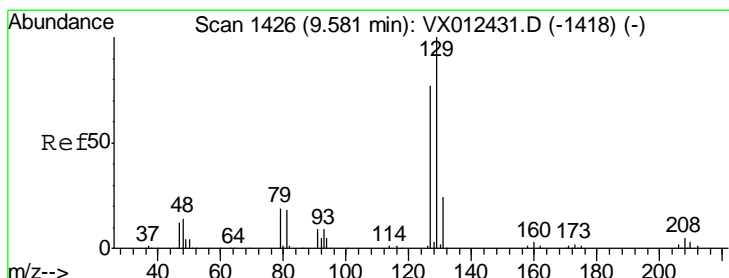
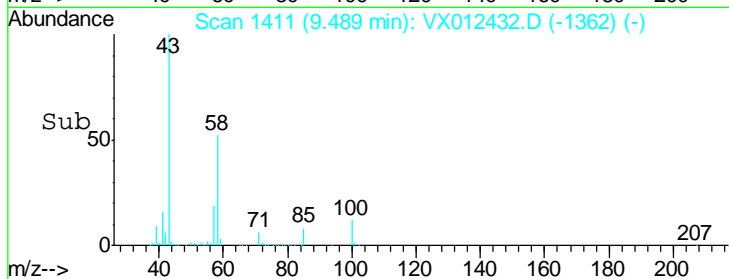
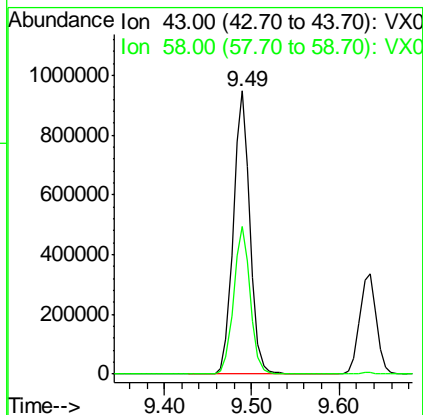
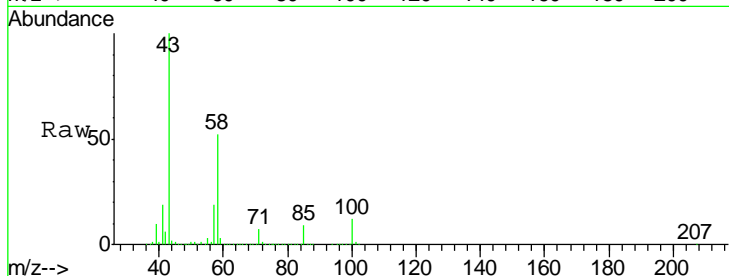
#59
 2-Hexanone
 Concen: 384.927 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	52.2	25.7	77.1

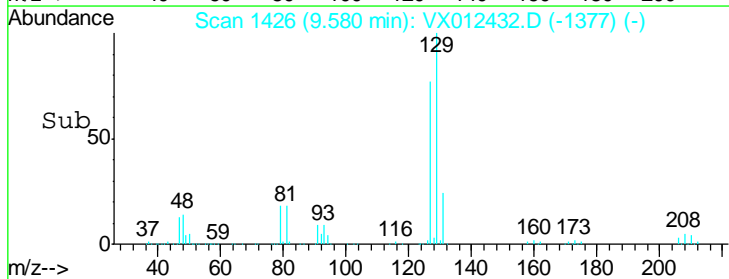
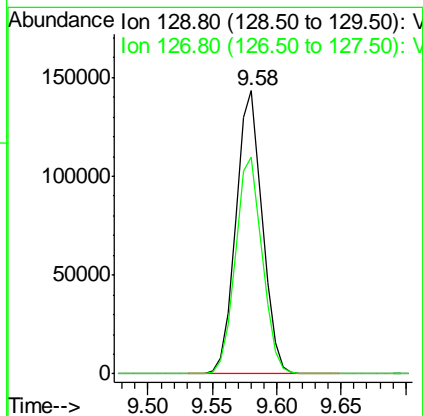
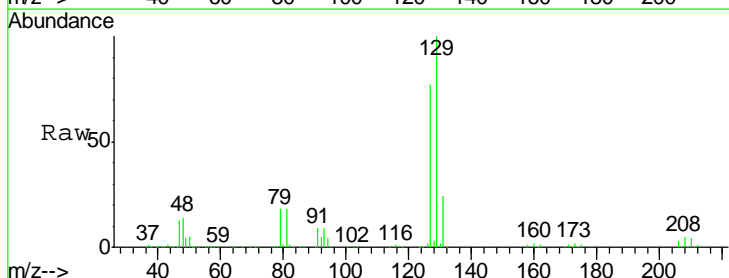
Manual Integrations
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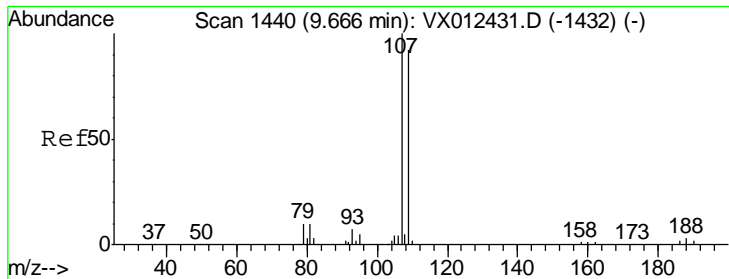
MMDadoda
 9/18/2019 11:22:19 AM



#60
 Dibromochloromethane
 Concen: 76.705 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.7	38.9	116.6





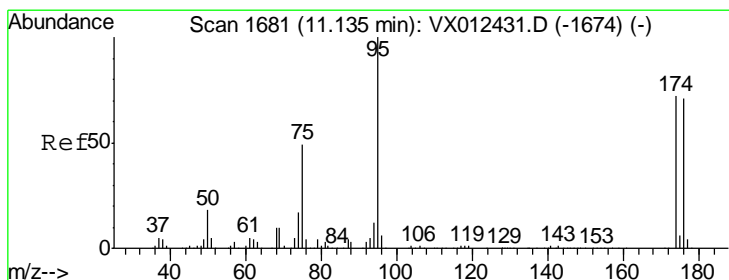
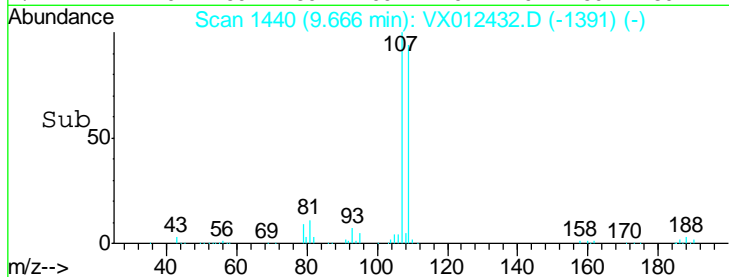
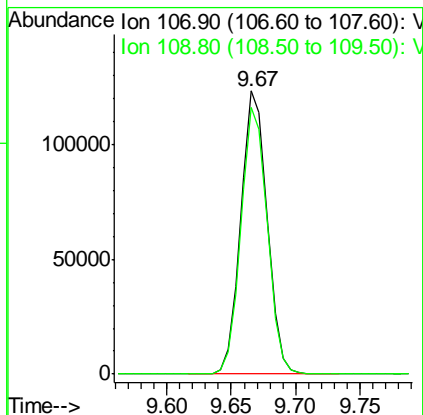
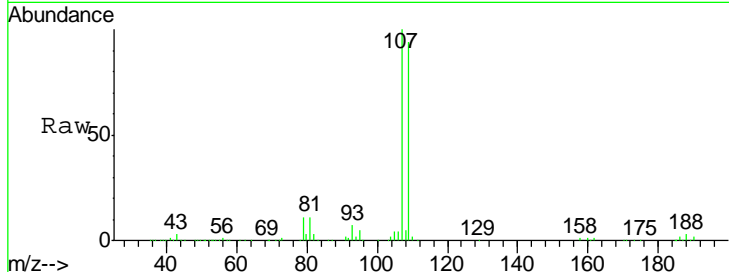
#61
 1,2-Dibromoethane
 Concen: 72.775 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
107	173803		
109	94.2	74.7	112.1

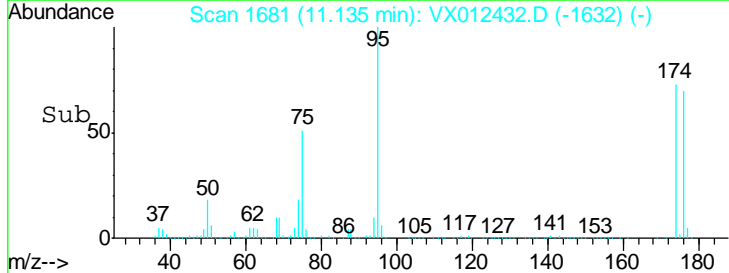
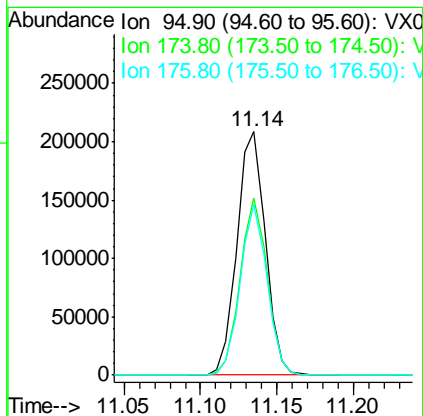
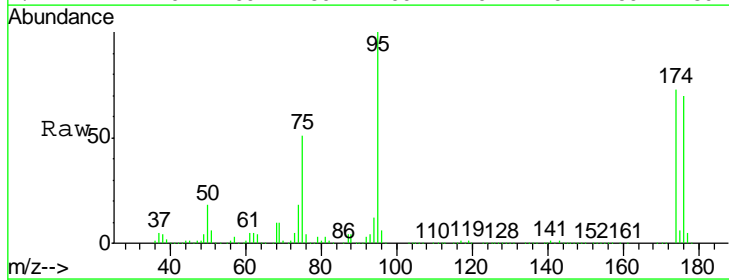
Manual Integrations
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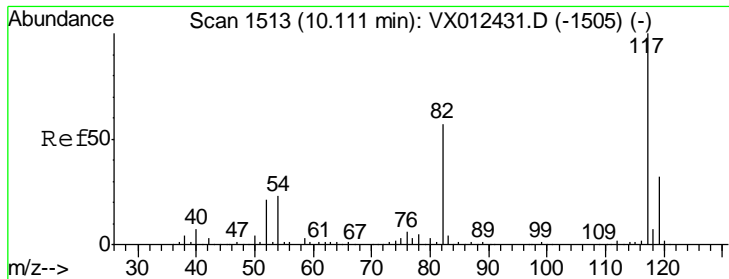
MMDadoda
 9/18/2019 11:22:19 AM



#62
 4-Bromofluorobenzene
 Concen: 71.023 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
95	267981		
174	69.7	0.0	140.0
176	66.7	0.0	135.4





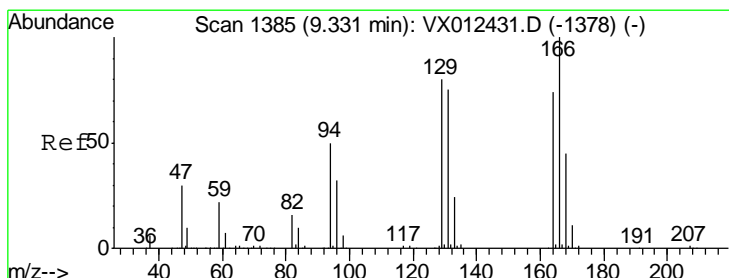
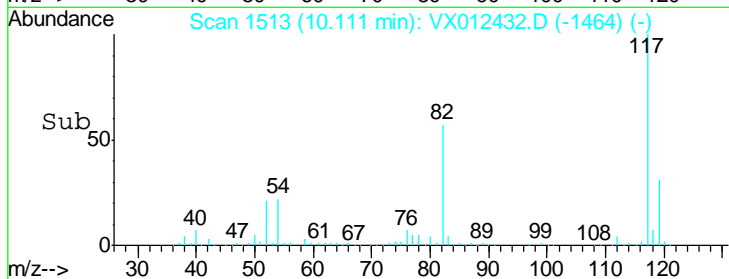
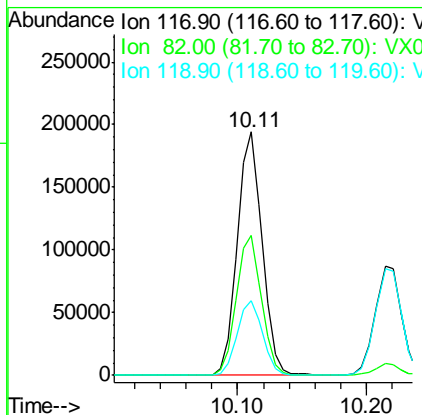
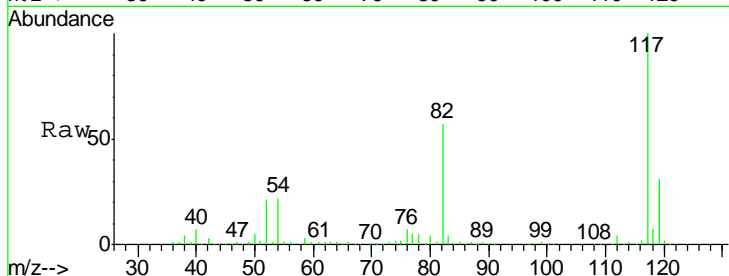
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
117	260733		
82	57.4	45.9	68.9
119	30.9	25.3	37.9

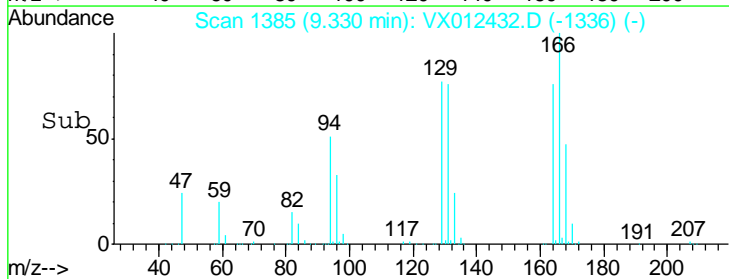
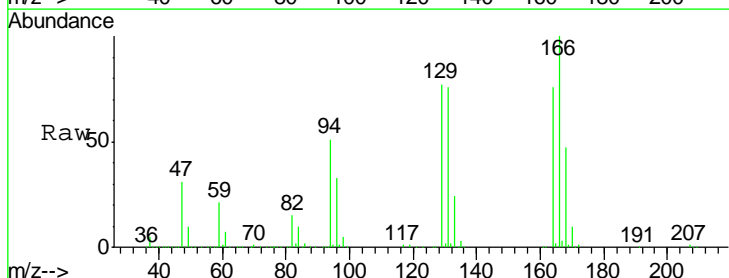
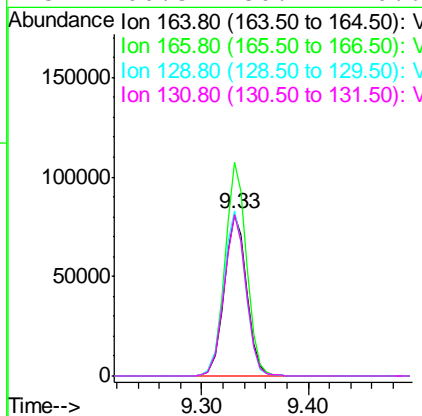
Manual Integrations
 APPROVED

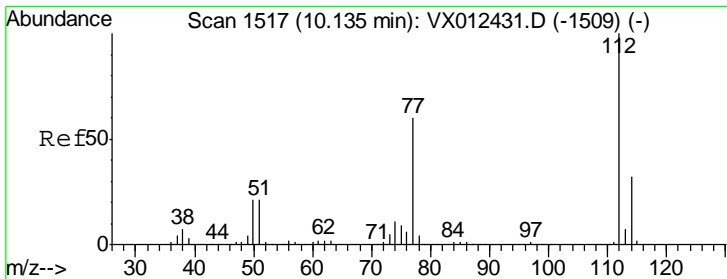
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#64
 Tetrachloroethene
 Concen: 72.917 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
164	118957		
166	132.4	107.8	161.6
129	102.6	86.2	129.2
131	100.3	80.4	120.6





#65
 Chlorobenzene
 Concen: 74.994 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

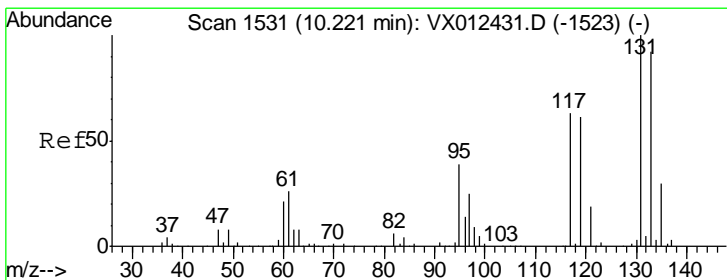
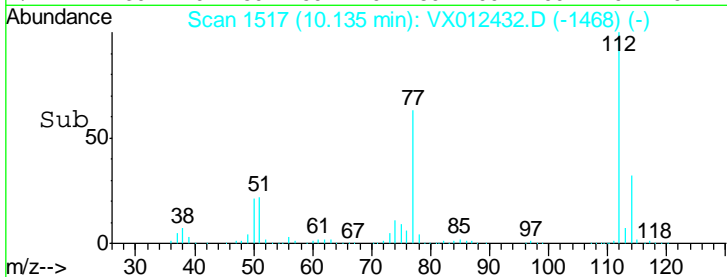
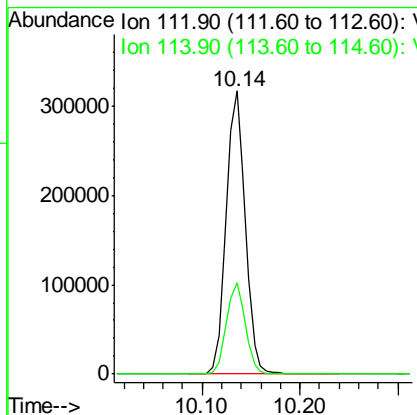
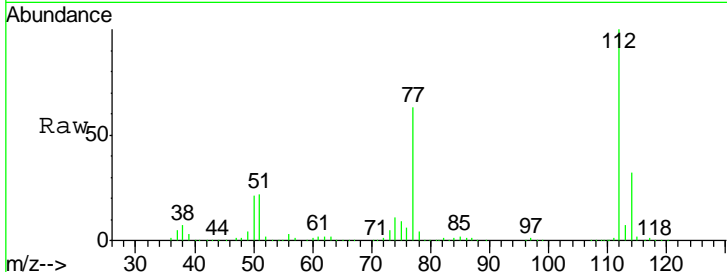
Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion: 112 Resp: 430388

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0

Manual Integrations APPROVED

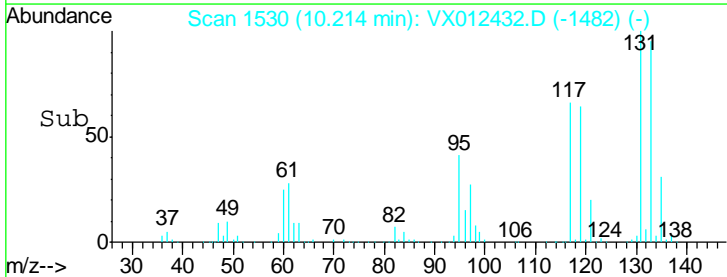
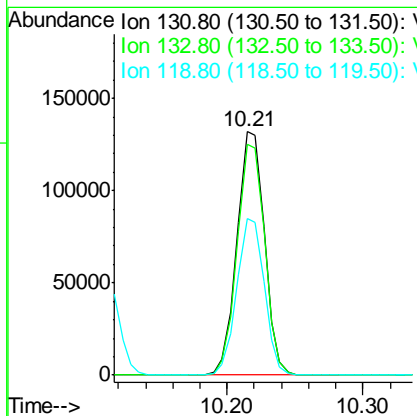
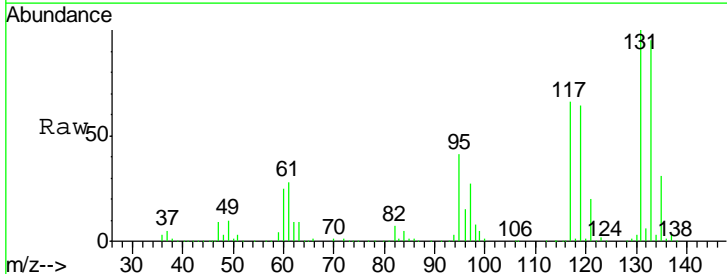
MMDadoda
 9/18/2019 11:22:19 AM

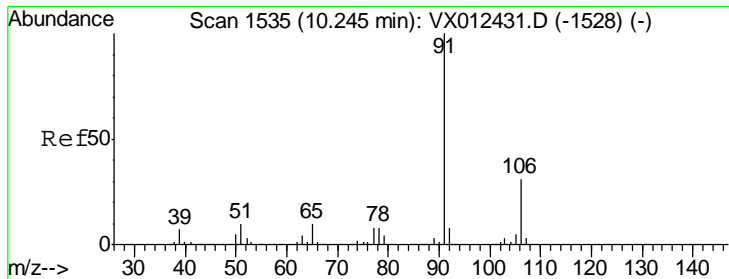


#66
 1,1,1,2-Tetrachloroethane
 Concen: 76.502 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion: 131 Resp: 186115

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.6	142.9
119	64.3	31.3	93.8





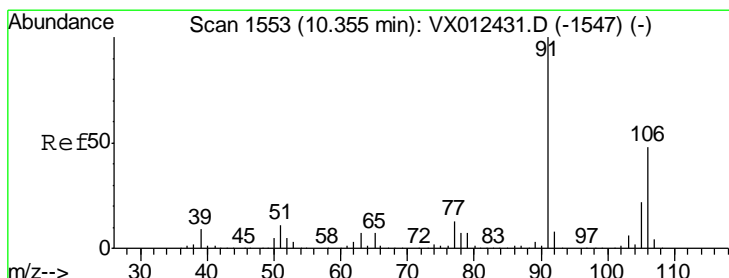
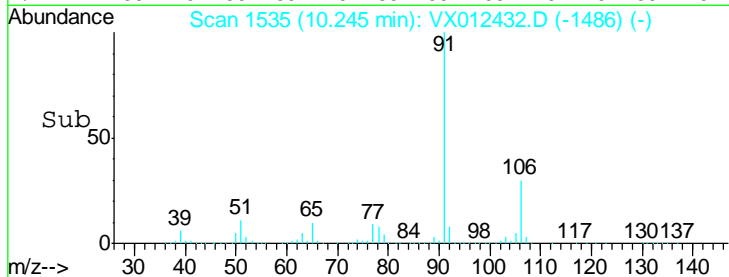
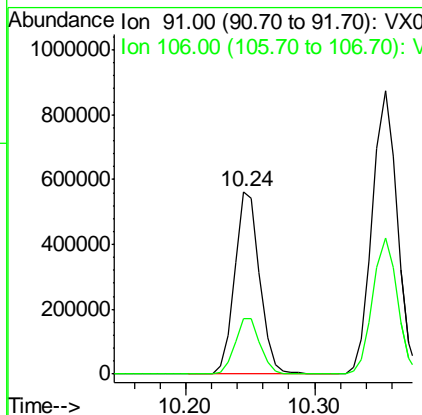
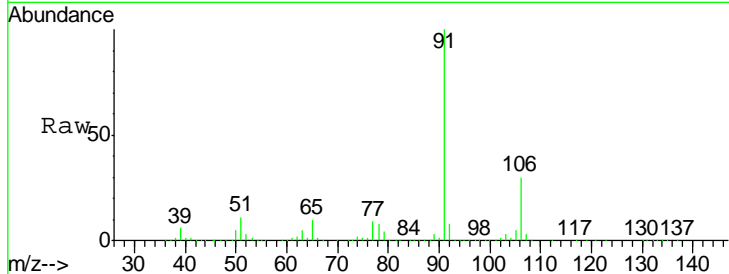
#67
Ethyl Benzene
Concen: 77.599 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.2	24.6	37.0

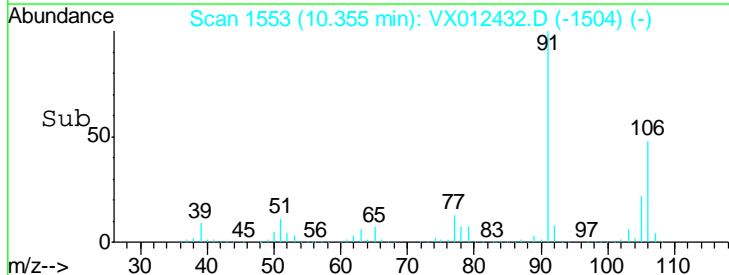
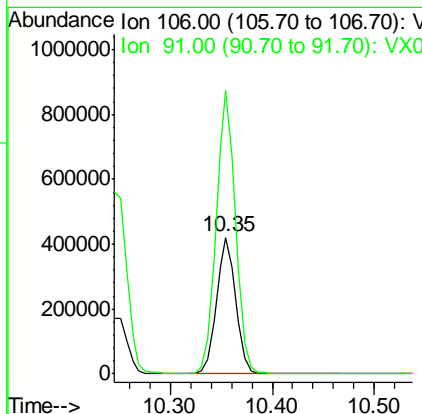
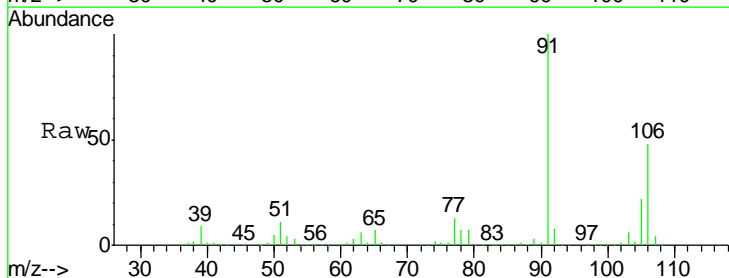
Manual Integrations
APPROVED

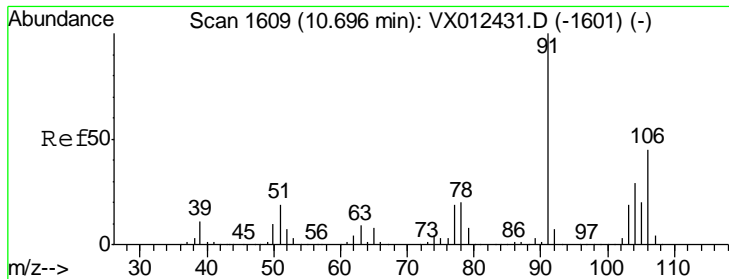
MMDadoda
9/18/2019 11:22:19 AM



#68
m/p-Xylenes
Concen: 153.954 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
106	100		
91	208.8	166.6	250.0





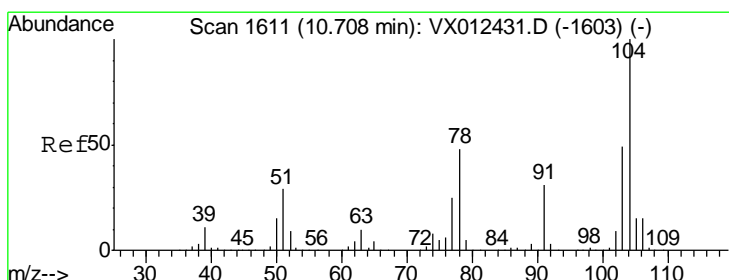
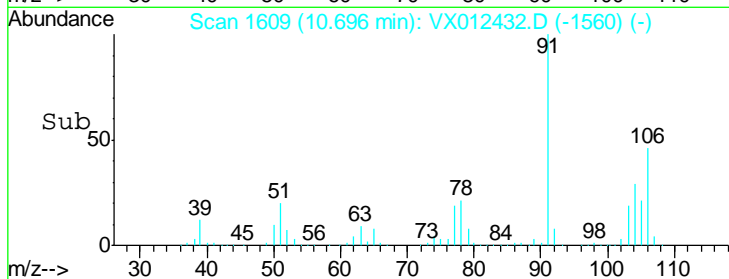
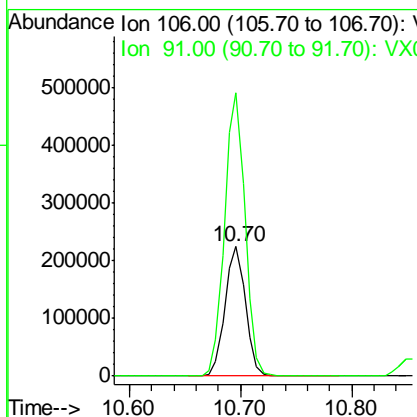
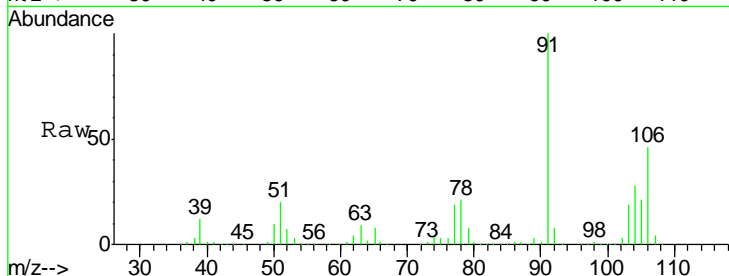
#69
 o-Xylene
 Concen: 75.962 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
106	285239		
106	100		
91	218.9	109.4	328.2

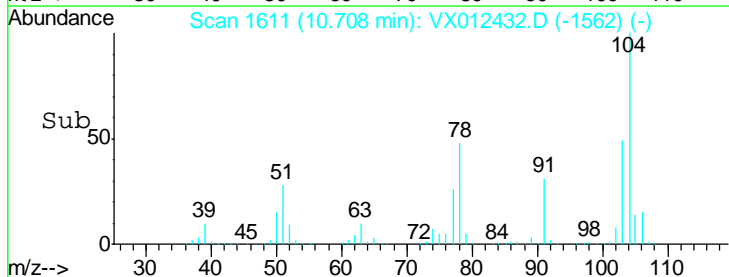
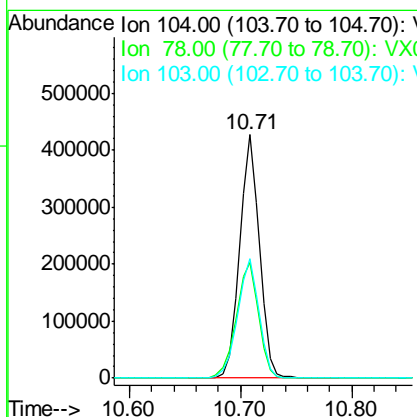
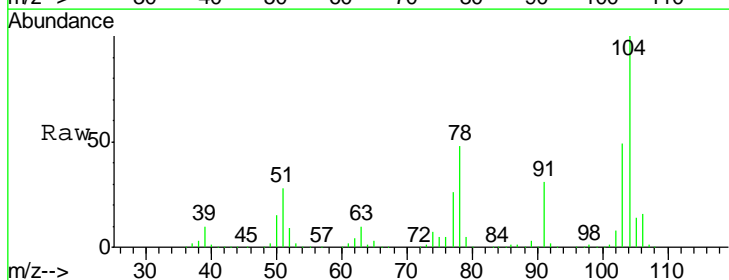
Manual Integrations
 APPROVED

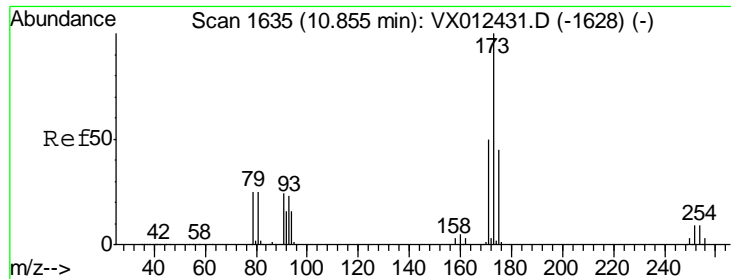
MMDadoda
 9/18/2019 11:22:19 AM



#70
 Styrene
 Concen: 80.651 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
104	524816		
104	100		
78	53.5	43.4	65.2
103	53.4	43.3	64.9





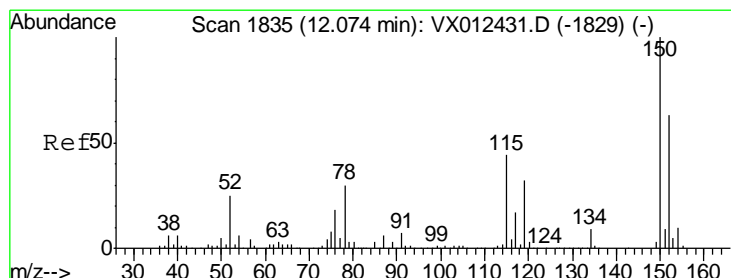
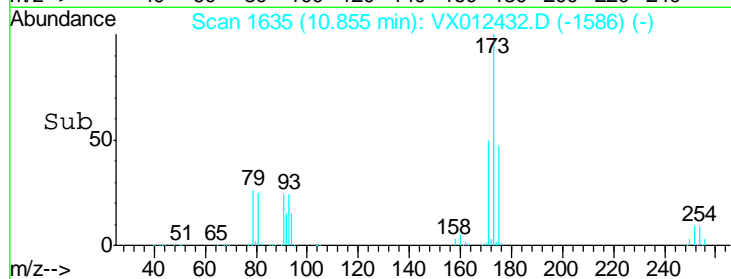
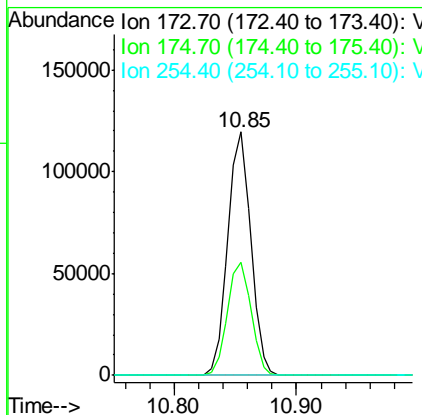
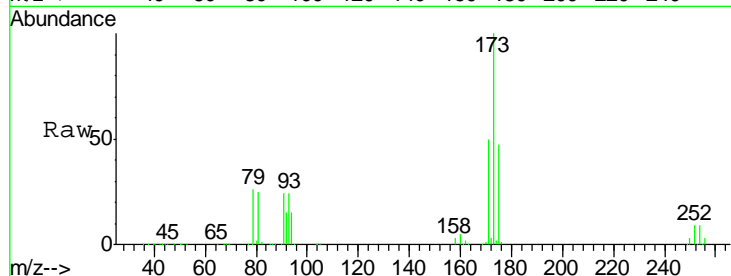
#71
 Bromoform
 Concen: 83.492 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
173	155816		
175	47.8	23.7	71.1
254	0.1	0.1	0.1

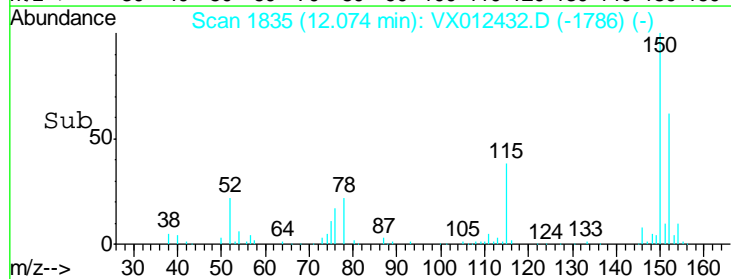
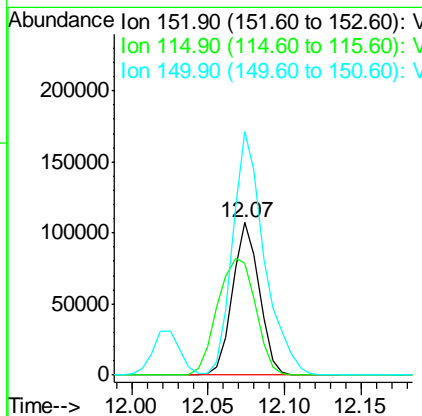
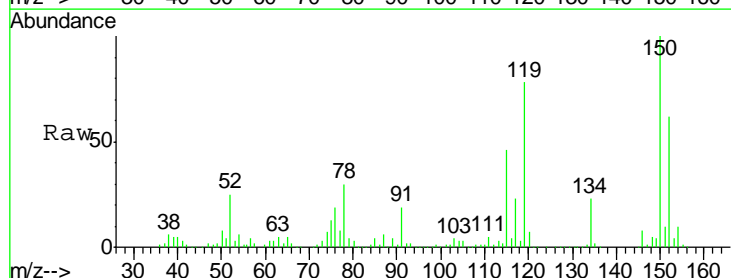
Manual Integrations
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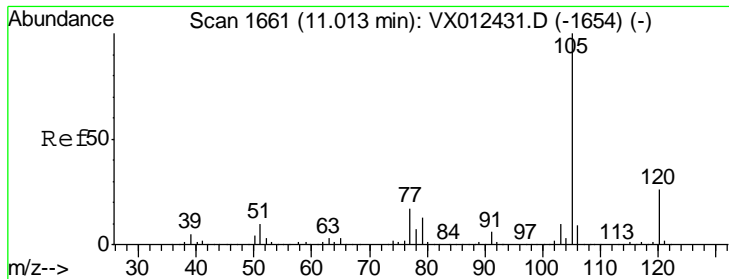
MMDadoda
 9/18/2019 11:22:19 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
152	129127		
115	110.0	44.1	132.3
150	189.6	0.0	343.8





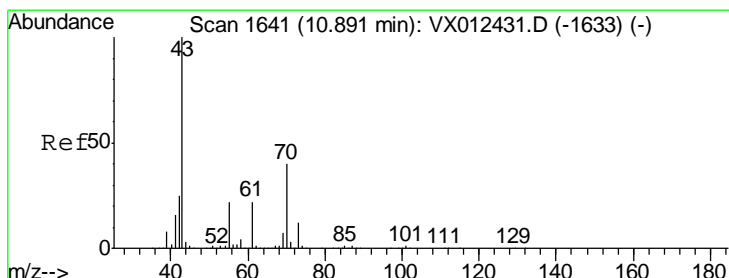
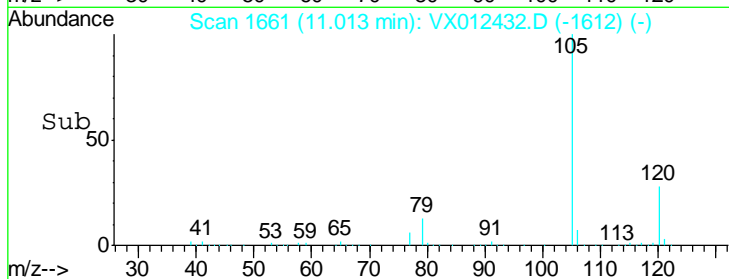
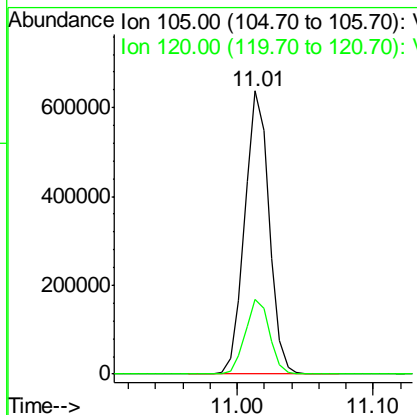
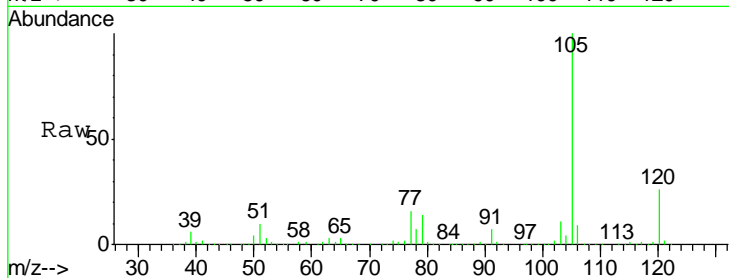
#73
 Isopropylbenzene
 Concen: 91.088 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.4	12.9	38.7

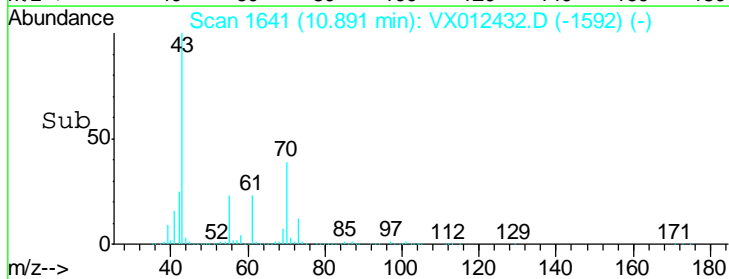
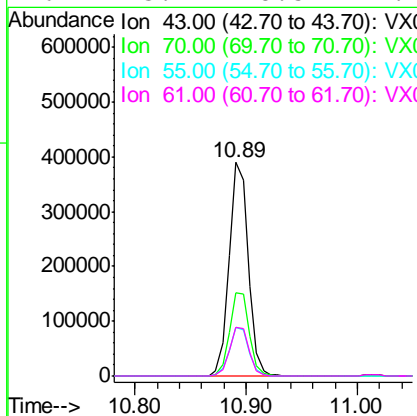
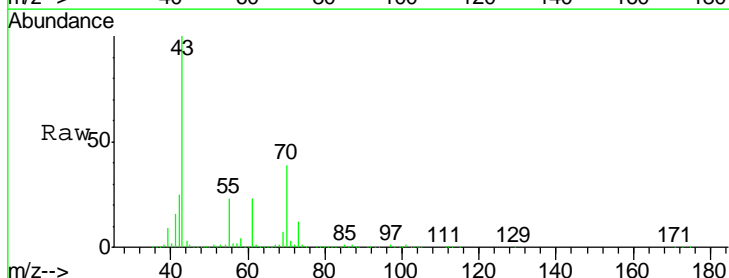
Manual Integrations
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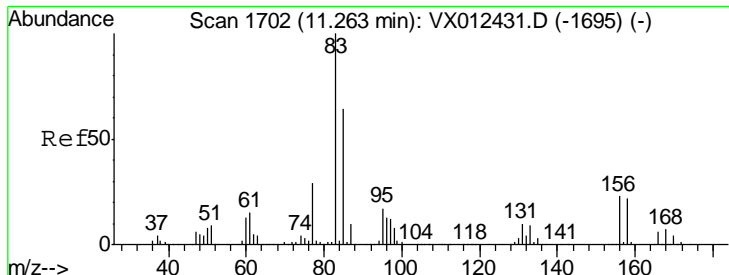
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 9/18/2019 11:22:19 AM



#74
 N-aryl acetate
 Concen: 98.747 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
43	100		
70	39.9	32.4	48.6
55	22.8	18.2	27.4
61	23.2	18.5	27.7





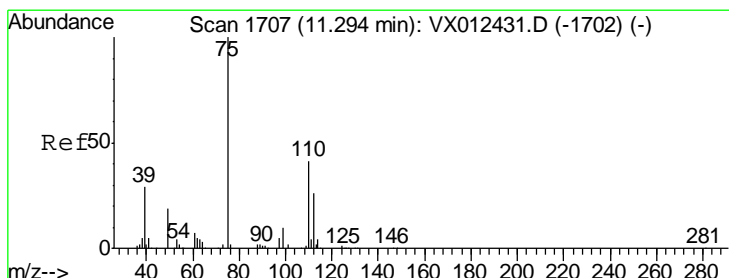
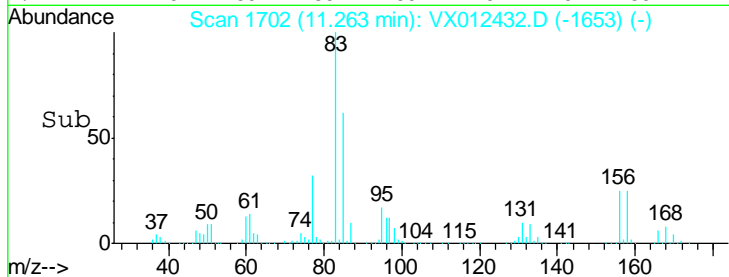
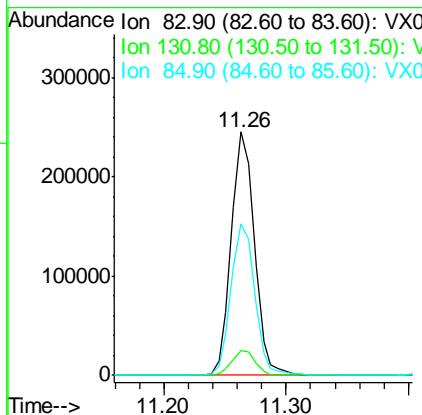
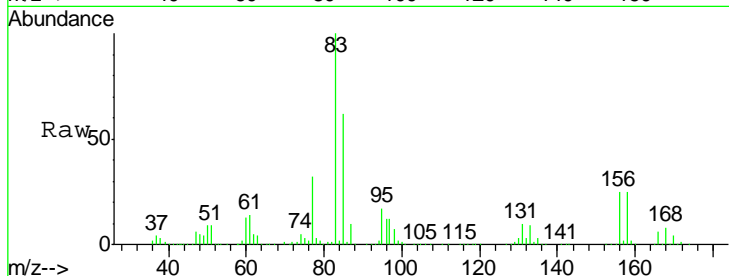
#75
 1,1,2,2-Tetrachloroethane
 Concen: 91.403 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	321402		
83	100		
131	10.5	5.2	15.6
85	64.0	32.0	96.0

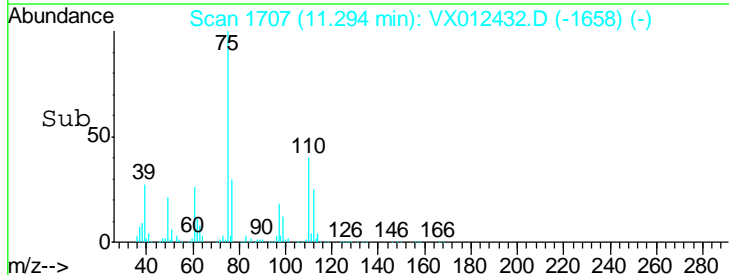
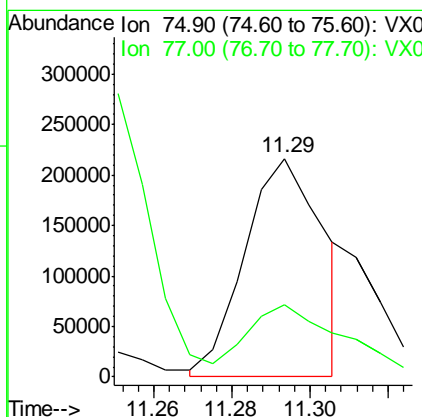
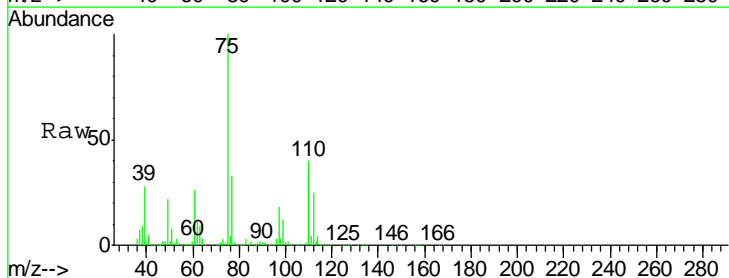
Manual Integrations
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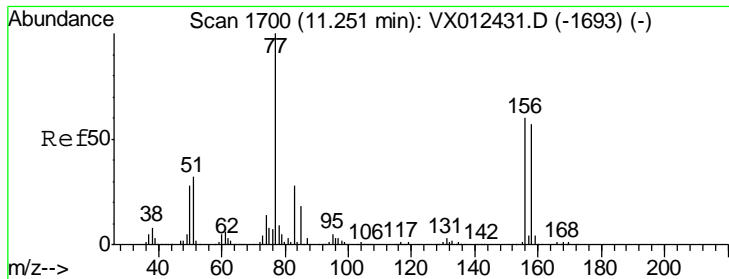
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 9/18/2019 11:22:19 AM



#76
 1,2,3-Trichloropropane
 Concen: 92.717 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
75	302723		
75	100		
77	40.6	19.7	59.0





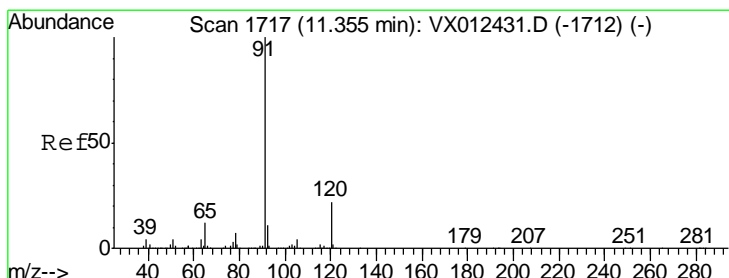
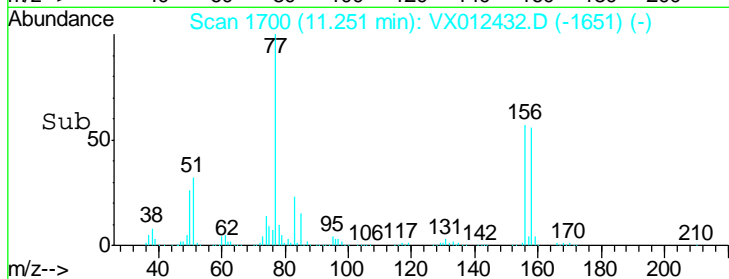
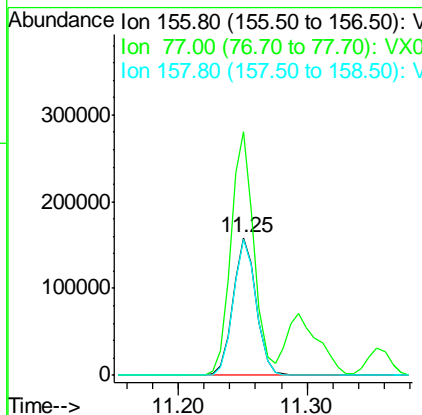
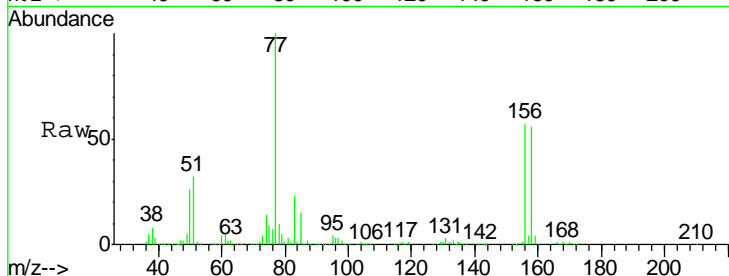
#77
 Bromobenzene
 Concen: 88.063 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
156	197619		
77	177.8	87.3	261.8
158	98.7	48.5	145.6

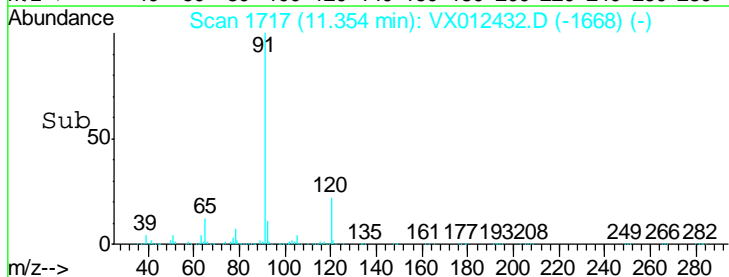
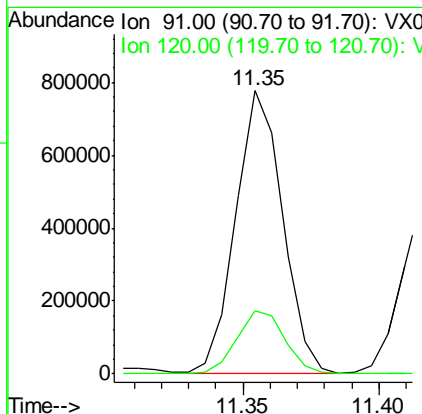
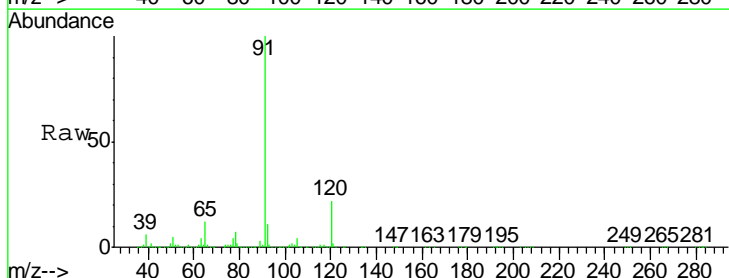
Manual Integrations
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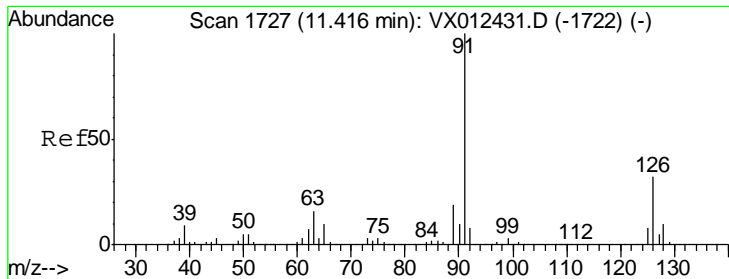
MMDadoda
 9/18/2019 11:22:19 AM



#78
 n-propylbenzene
 Concen: 93.036 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
91	922103		
120	23.0	11.3	33.8





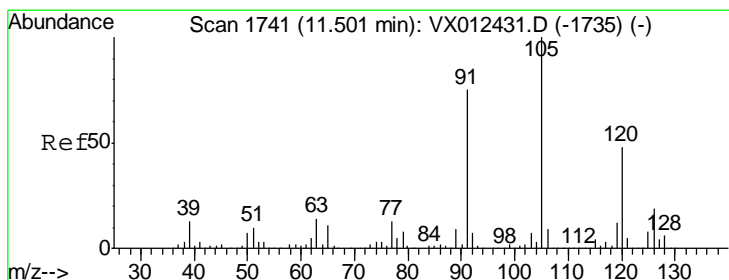
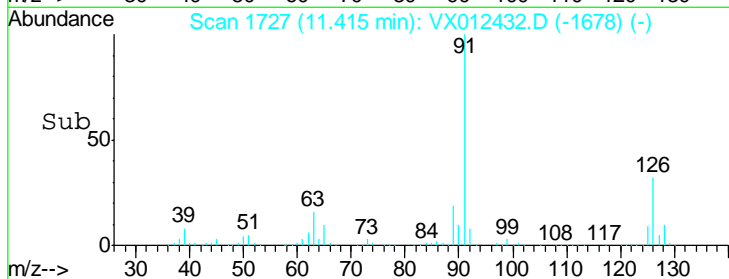
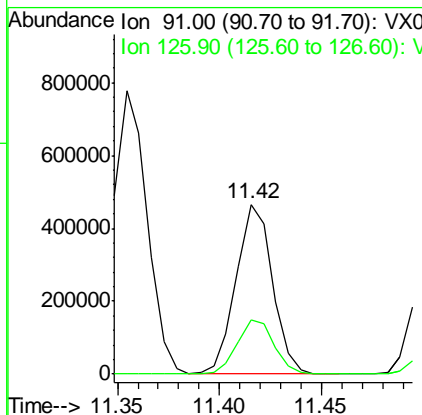
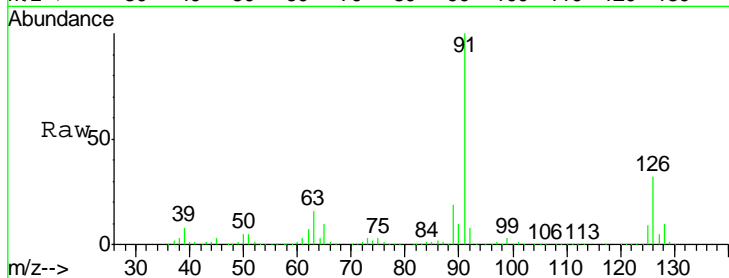
#79
2-Chlorotoluene
Concen: 90.575 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	575290	100	
126	32.5	16.4	49.4

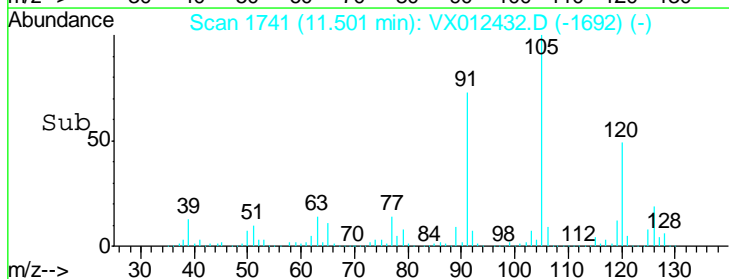
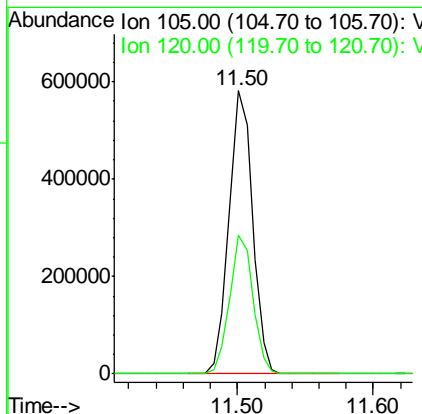
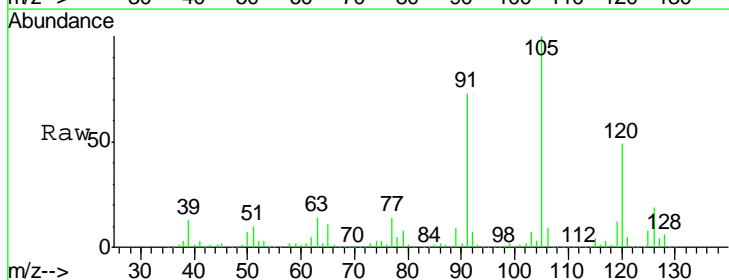
Manual Integrations
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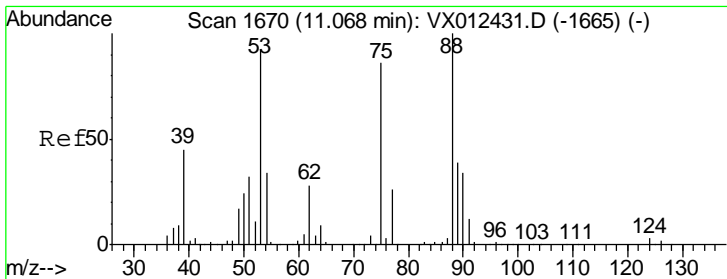
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 92.375 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX012432.D
Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
105	703973	100	
120	48.6	24.3	72.8





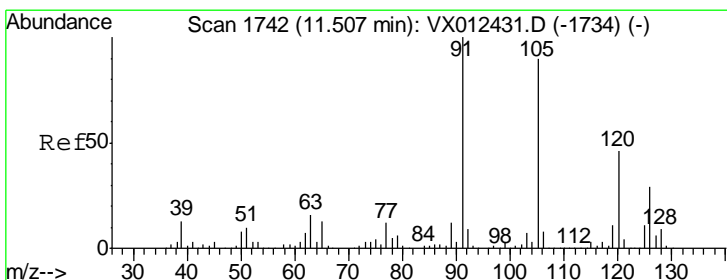
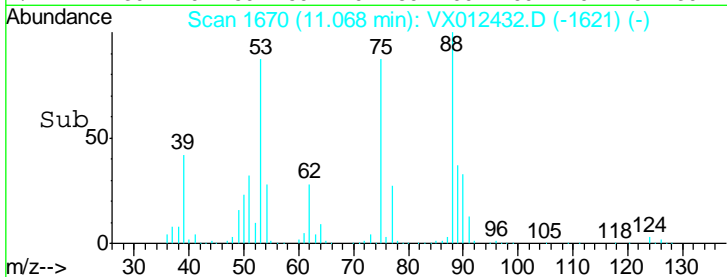
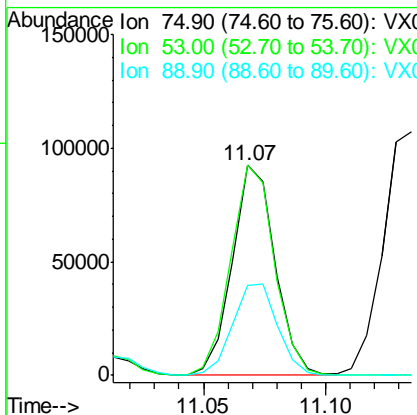
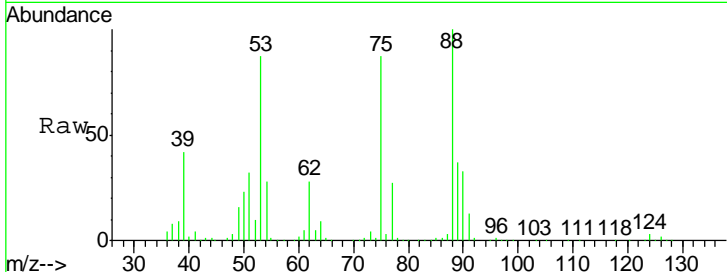
#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.395 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	111410		
75	100		
53	103.0	83.6	125.4
89	46.4	36.3	54.5

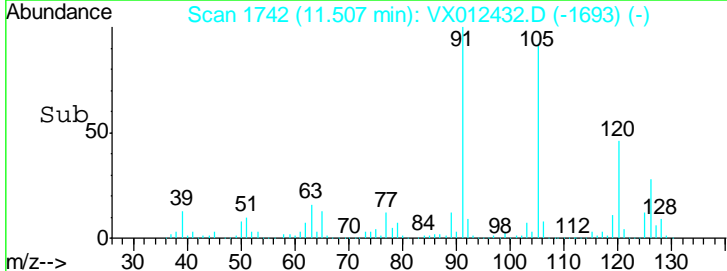
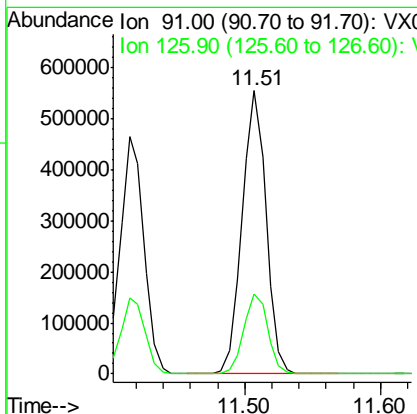
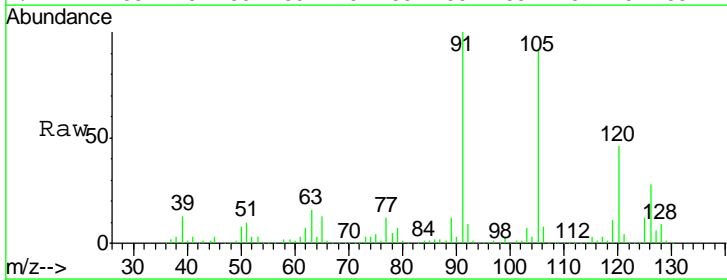
Manual Integrations
 APPROVED

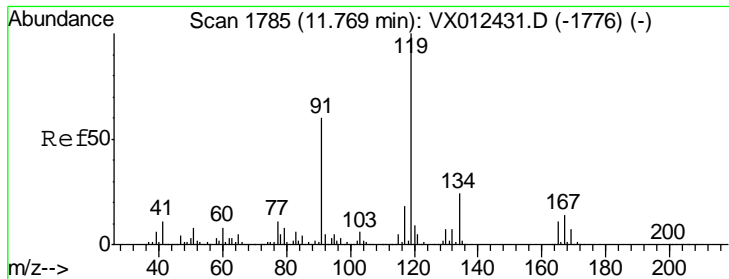
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#82
 4-Chlorotoluene
 Concen: 92.242 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

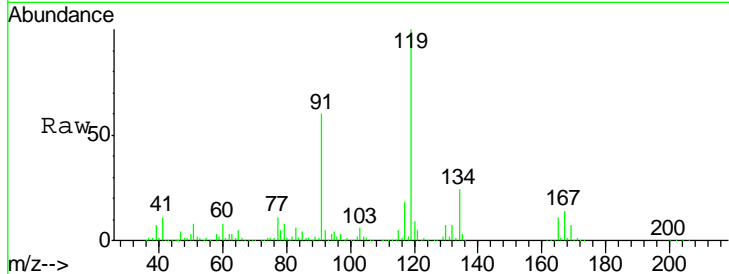
Tgt Ion	Resp	Lower	Upper
91	682216		
91	100		
126	28.6	14.4	43.0





#83
 tert-Butylbenzene
 Concen: 92.034 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

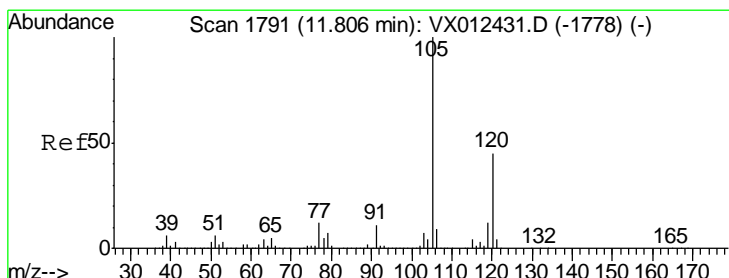
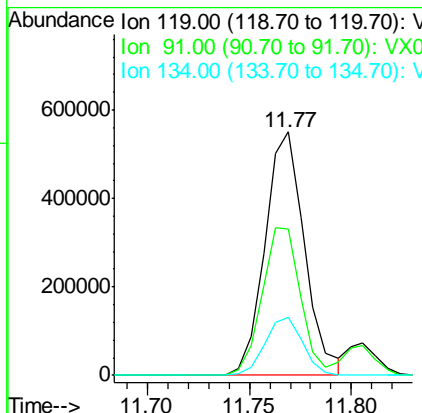
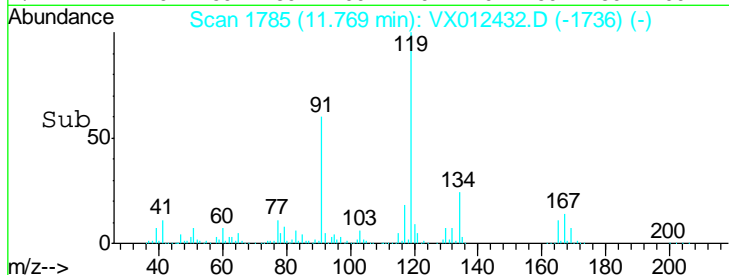
Instrument : MSVOA_X
 Client Sampled : VSTDIC100



Tgt Ion	Resp	Lower	Upper
119	100		
91	59.1	30.0	90.0
134	22.8	11.3	33.9

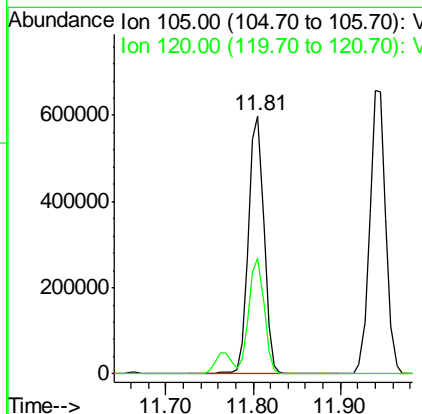
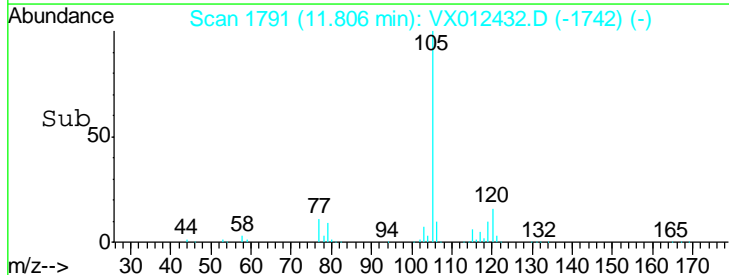
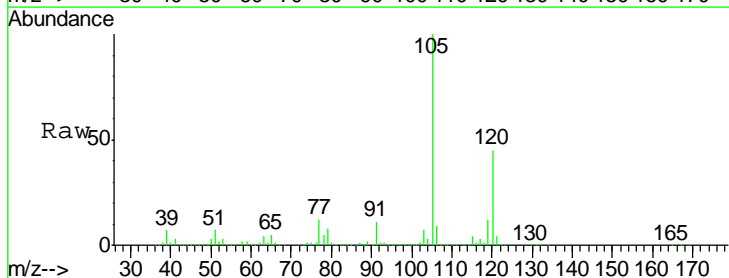
Manual Integrations
 APPROVED

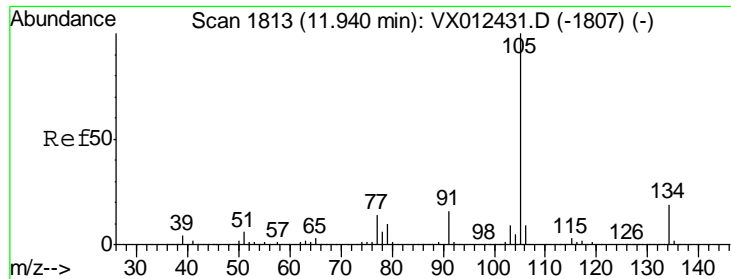
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 94.630 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
105	100		
120	44.1	22.2	66.6





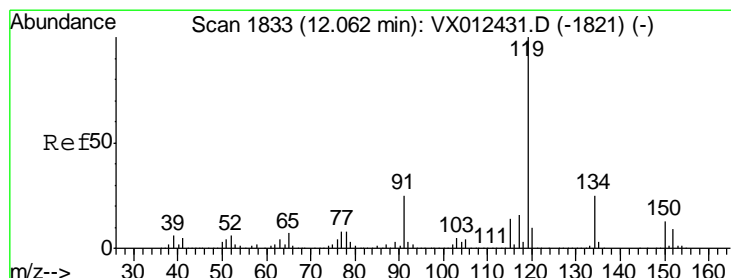
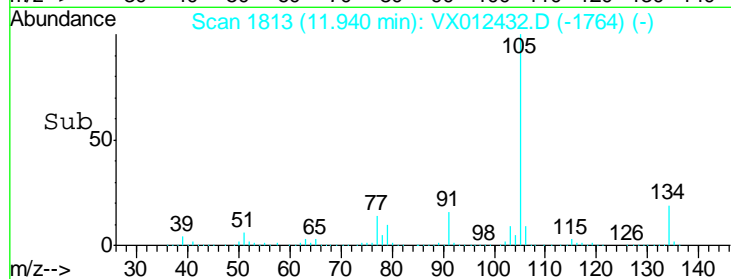
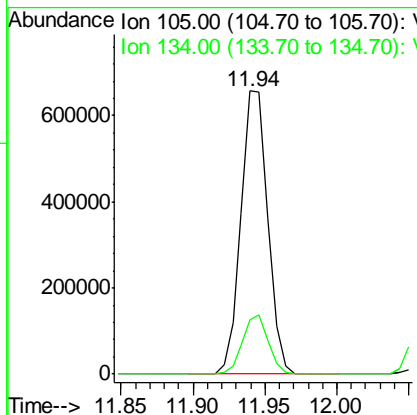
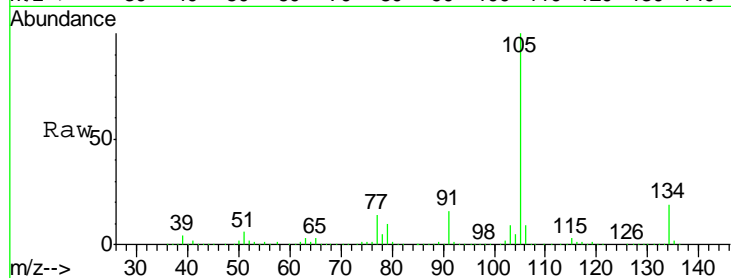
#85
 sec-Butylbenzene
 Concen: 94.775 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.0	9.8	29.4

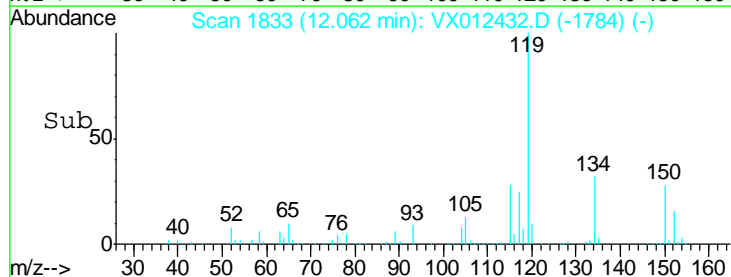
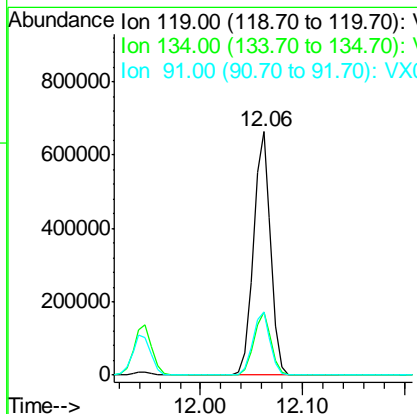
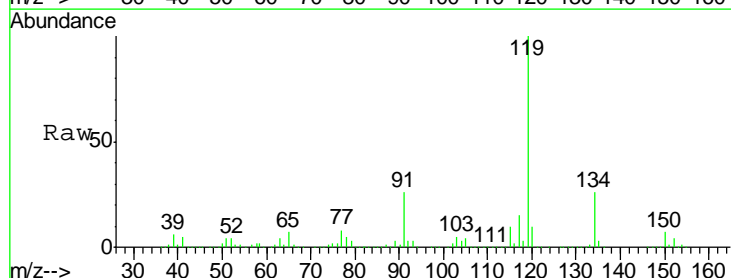
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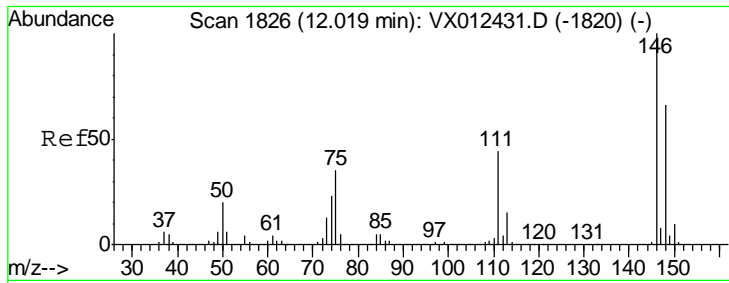
MMDadoda
 9/18/2019 11:22:19 AM



#86
 p-Isopropyltoluene
 Concen: 95.351 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
119	100		
134	25.9	12.7	38.1
91	26.3	12.8	38.4





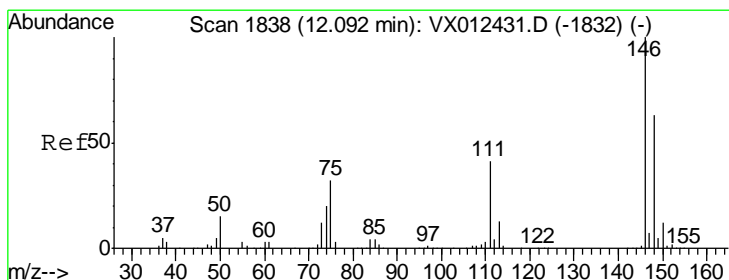
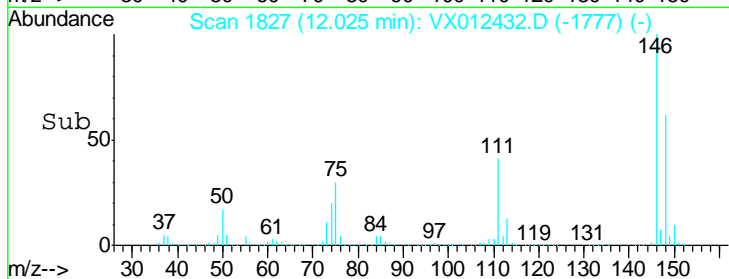
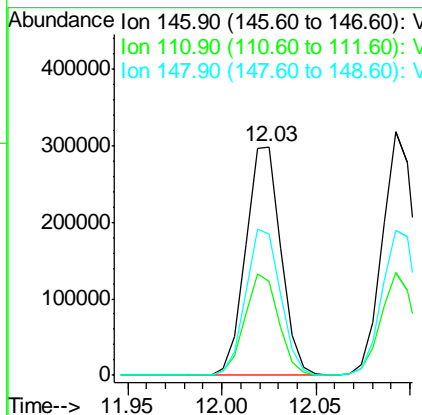
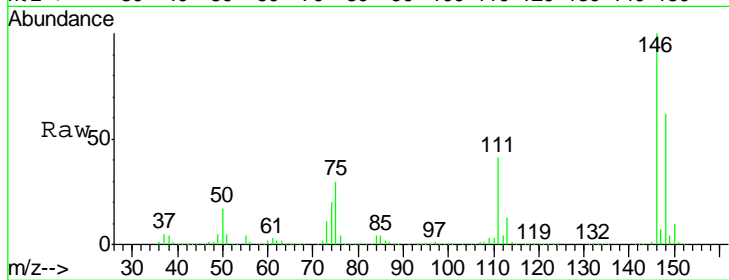
#87
 1,3-Dichlorobenzene
 Concen: 91.620 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	386169		
111	43.0	21.3	64.0
148	63.4	32.4	97.2

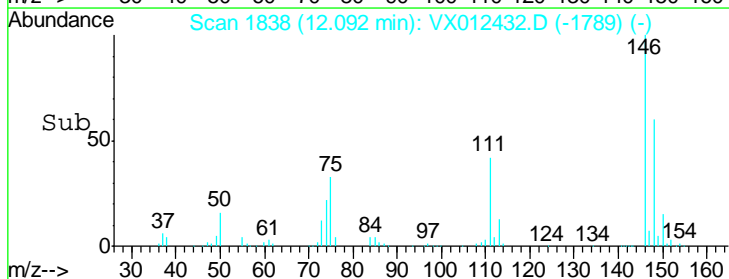
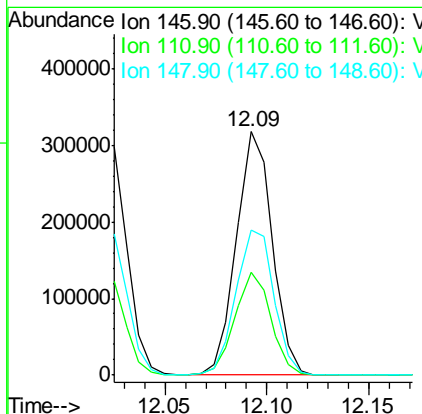
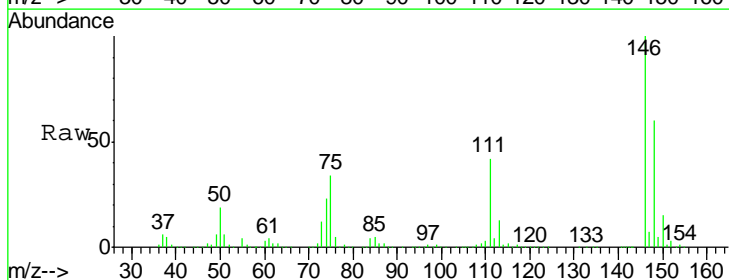
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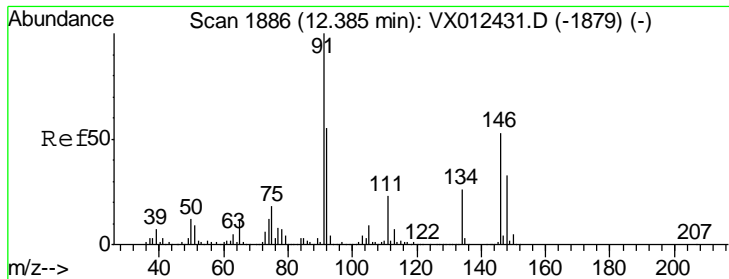
MMDadoda
 9/18/2019 11:22:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 91.171 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
146	387983		
111	42.3	21.1	63.3
148	63.5	32.1	96.5





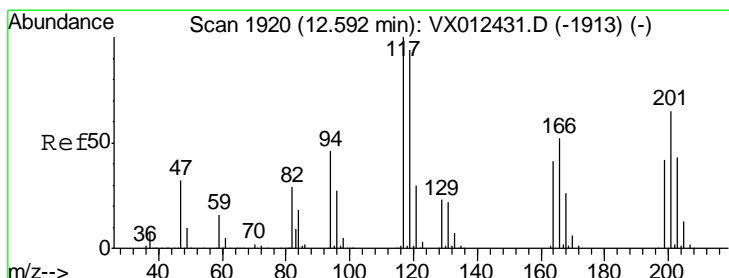
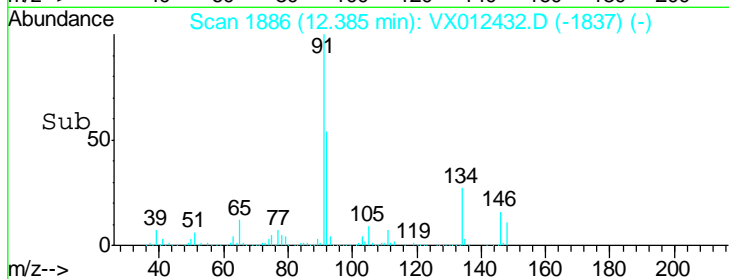
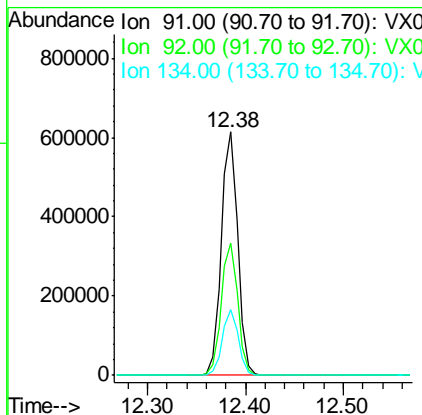
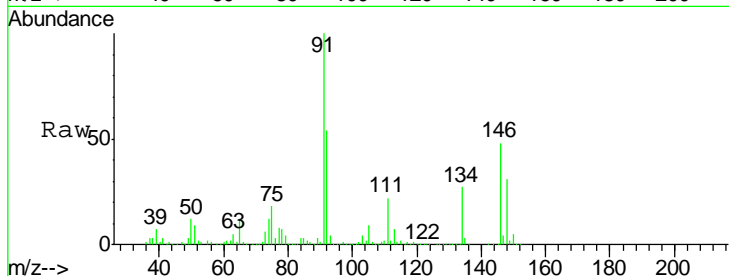
#89
 n-Butylbenzene
 Concen: 98.619 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.7	27.7	83.0
134	26.3	12.9	38.6

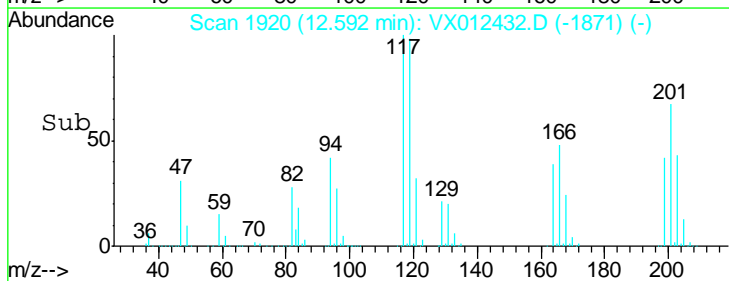
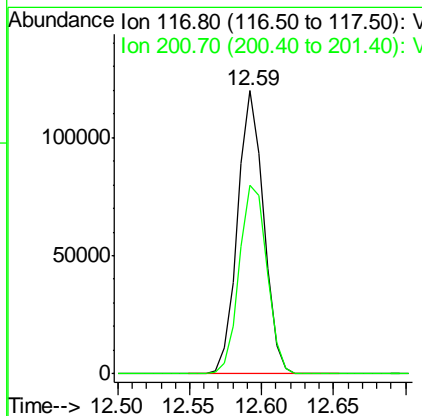
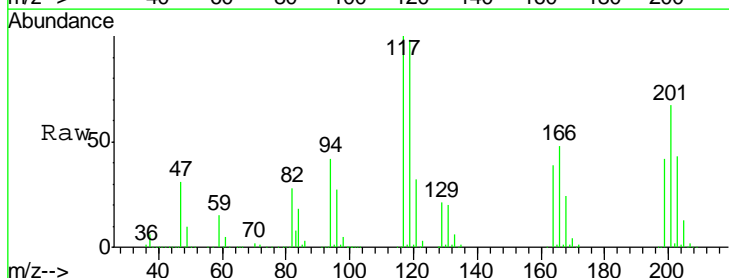
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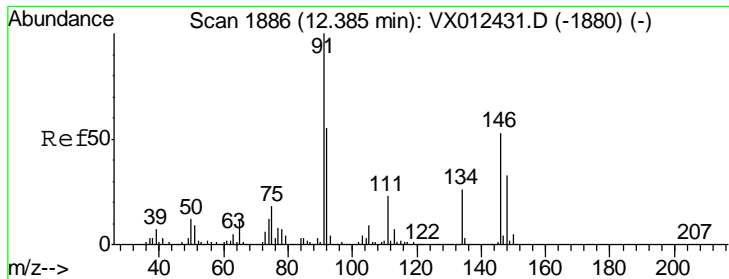
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#90
 Hexachloroethane
 Concen: 95.516 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
117	100		
201	70.8	33.3	99.8





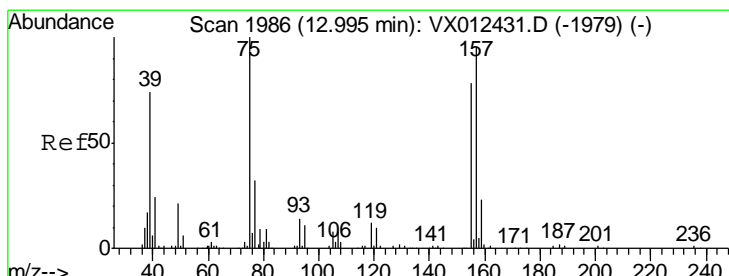
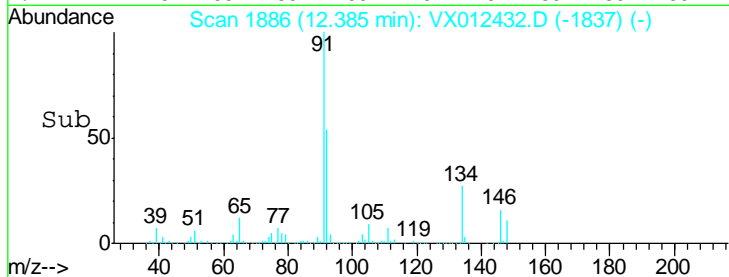
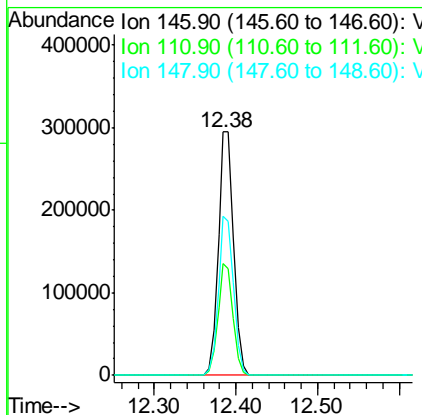
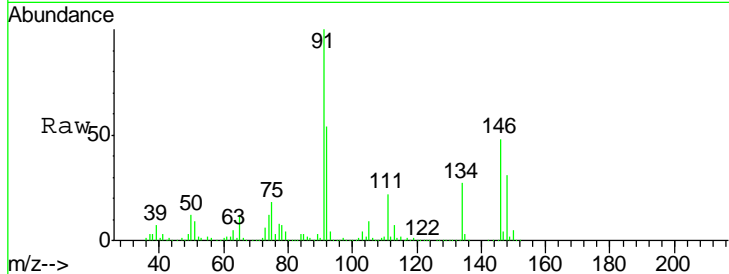
#91
 1,2-Dichlorobenzene
 Concen: 90.223 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	389742		
146	100		
111	44.9	22.1	66.1
148	64.6	31.3	93.9

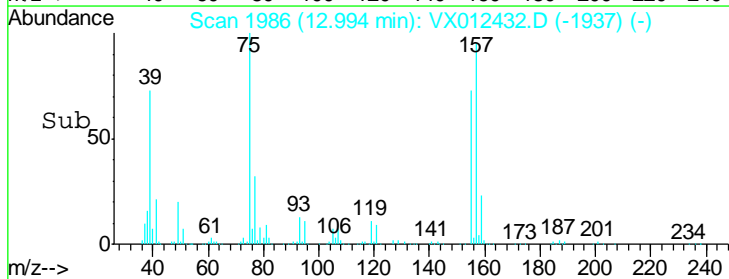
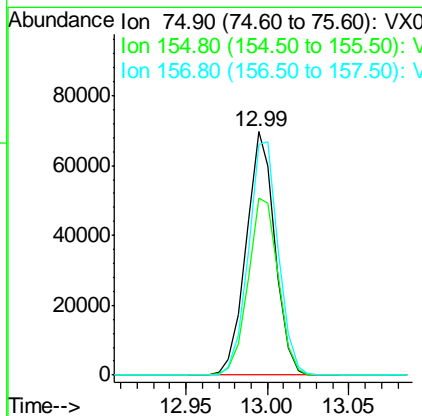
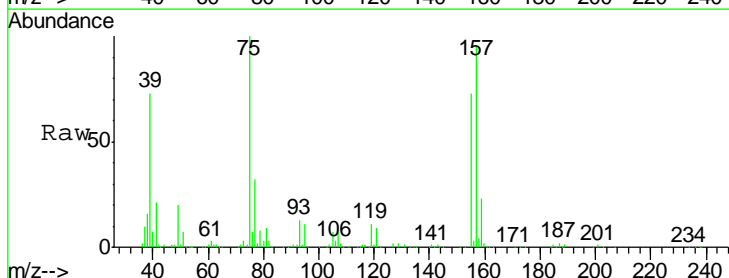
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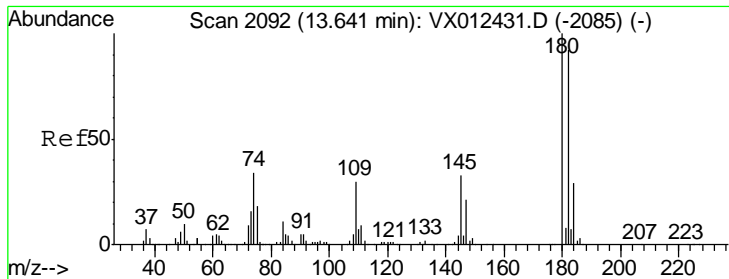
MMDadoda
 9/18/2019 11:22:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 92.110 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
75	85719		
75	100		
155	76.1	38.6	115.8
157	99.7	50.6	151.9





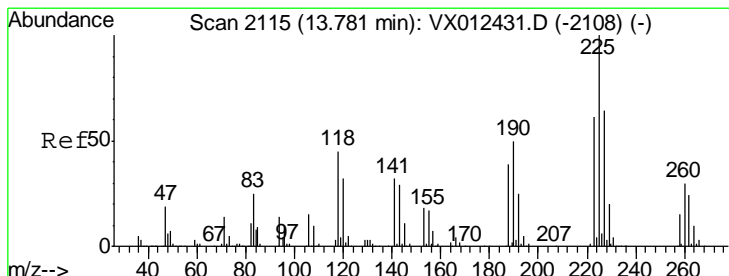
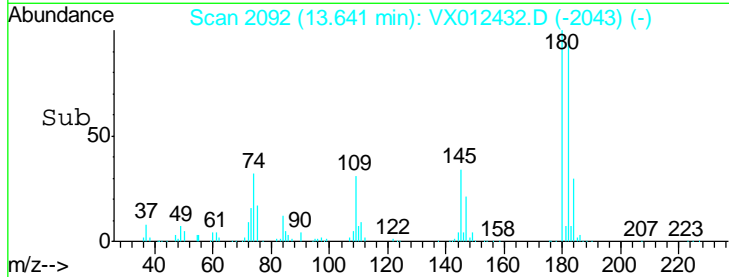
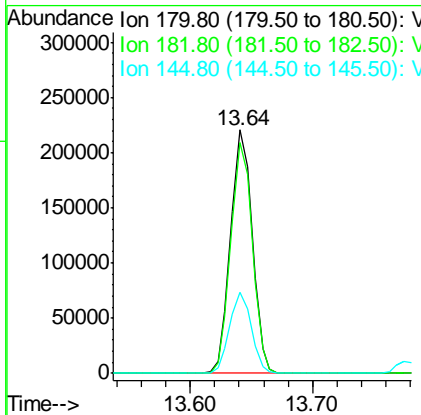
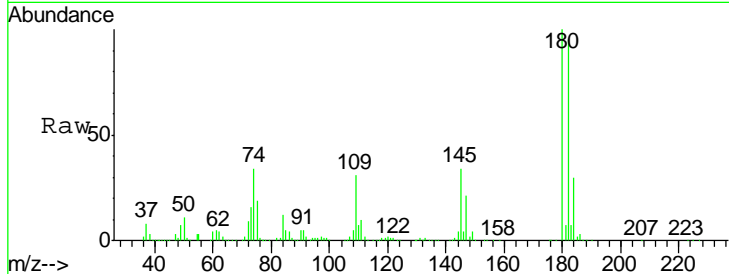
#93
 1,2,4-Trichlorobenzene
 Concen: 93.343 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	33.2	16.8	50.4

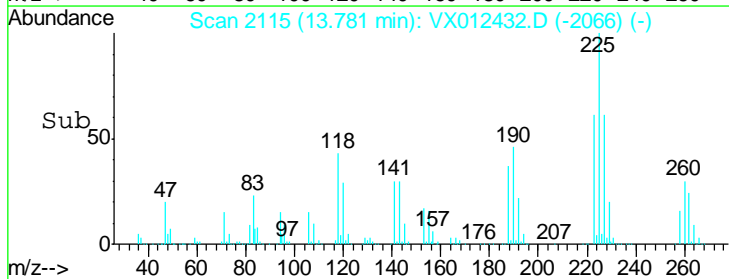
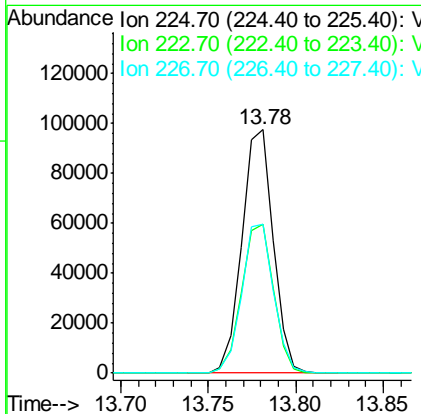
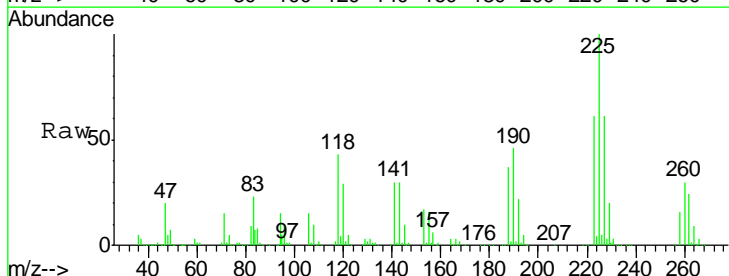
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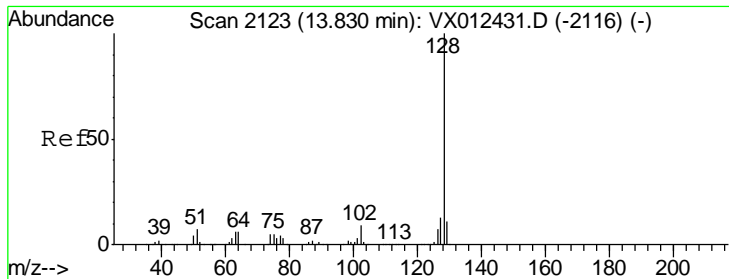
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 9/18/2019 11:22:19 AM



#94
 Hexachlorobutadiene
 Concen: 88.420 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.3	32.0	96.2
227	62.0	31.9	95.5





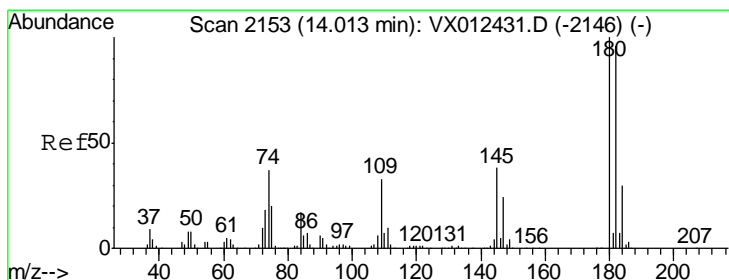
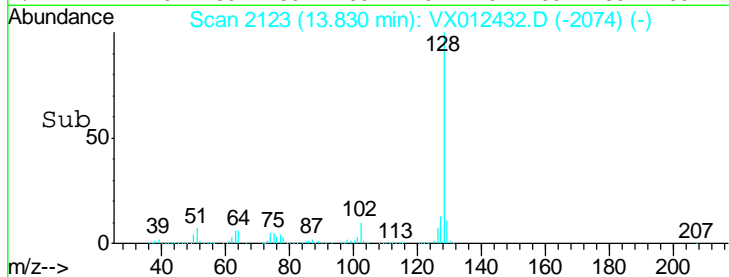
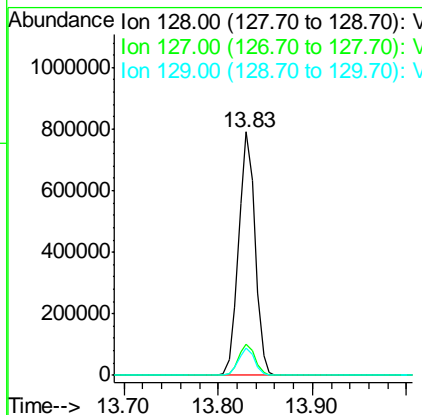
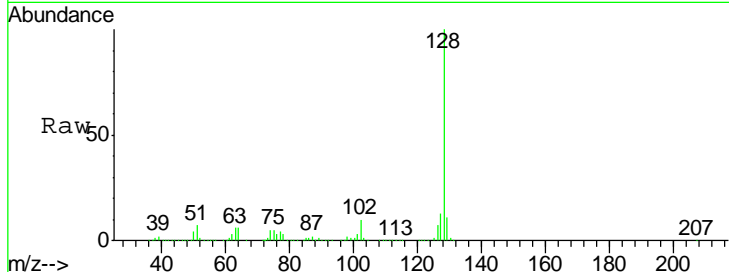
#95
 Naphthalene
 Concen: 96.762 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.8	13.2

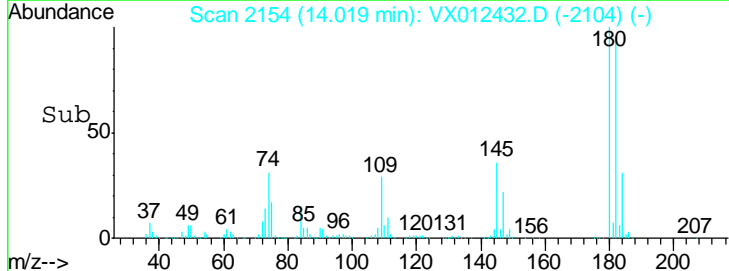
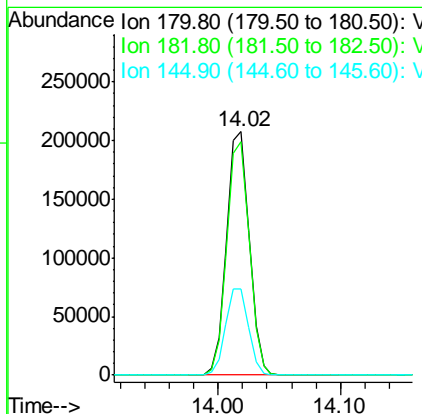
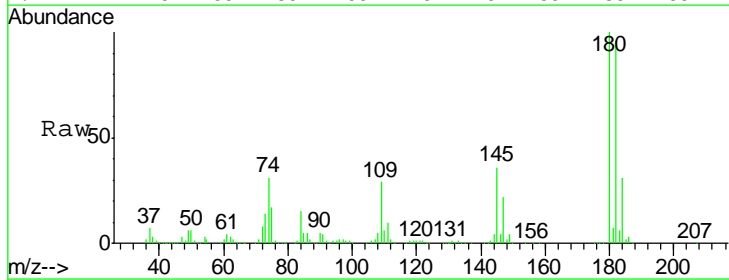
Manual Integrations
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 9/18/2019 11:22:19 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 92.627 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX012432.D
 Acq: 17 Sep 2019 13:33

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.6	47.1	141.3
145	36.0	18.0	54.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091719\
 Data File : VX012433.D
 Acq On : 17 Sep 2019 13:56
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Manual Integrations
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MMDadoda
 9/18/2019 11:22:25 AM

Quant Time: Sep 17 15:29:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:57:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272465	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	338175	145.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.84%	
35) Dibromofluoromethane	5.49	113	248294	150.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.40%	
50) Toluene-d8	8.71	98	916836	150.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.50%	
62) 4-Bromofluorobenzene	11.14	95	397581	158.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	160484	168.702	ug/l	99
3) Chloromethane	1.31	50	137858	157.156	ug/l	99
4) Vinyl Chloride	1.40	62	153099	162.415	ug/l	97
5) Bromomethane	1.62	94	54607	144.350	ug/l	97
7) Trichlorofluoromethane	1.91	101	271091	155.733	ug/l	99
8) Diethyl Ether	2.18	74	115207	144.750	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	191267	151.082	ug/l	99
10) Methyl Iodide	2.49	142	174247	189.798	ug/l	97
11) Tert butyl alcohol	3.06	59	432363	685.613	ug/l	100
12) 1,1-Dichloroethene	2.35	96	157118	156.513	ug/l	96
13) Acrolein	2.28	56	153961	676.372	ug/l	99
14) Allyl chloride	2.71	41	373403	160.466	ug/l	99
15) Acrylonitrile	3.14	53	772604	778.386	ug/l	99
16) Acetone	2.44	43	766777	641.611	ug/l	99
17) Carbon Disulfide	2.55	76	221321	183.222	ug/l	99
18) Methyl Acetate	2.76	43	361014	150.367	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	831395	150.967	ug/l	99
20) Methylene Chloride	2.84	84	206079	147.284	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	162640	155.915	ug/l	96
22) Diisopropyl ether	3.85	45	824639	149.535	ug/l	90
23) Vinyl Acetate	3.81	43	3575116	796.680	ug/l	99
24) 1,1-Dichloroethane	3.68	63	405242	154.418	ug/l	98
25) 2-Butanone	4.67	43	1178234	734.352	ug/l	99
26) 2,2-Dichloropropane	4.57	77	383229	147.317	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	239641	153.351	ug/l	98
28) Bromochloromethane	5.01	49	190256	138.085	ug/l	99
29) Tetrahydrofuran	5.12	42	691276	789.492	ug/l	100
30) Chloroform	5.20	83	443763	145.841	ug/l	97
31) Cyclohexane	5.57	56	249674	158.640	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	387110	153.522	ug/l	100
36) 1,1-Dichloropropene	5.79	75	253189	153.493	ug/l	98
37) Ethyl Acetate	4.83	43	416239	166.815	ug/l	99
38) Carbon Tetrachloride	5.78	117	320778	156.960	ug/l	99
39) Methylcyclohexane	7.45	83	263088	166.413	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012433.D
 Acq On : 17 Sep 2019 13:56
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Manual Integrations
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MMDadoda
 9/18/2019 11:22:25 AM

Quant Time: Sep 17 15:29:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:57:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.13	78	813144	155.338	ug/l	99
41) Methacrylonitrile	5.03	41	246282	150.572	ug/l	99
42) 1,2-Dichloroethane	6.18	62	360724	147.246	ug/l	100
43) Isopropyl Acetate	6.43	43	719108	159.245	ug/l	100
44) Trichloroethene	7.20	130	214741	156.076	ug/l	93
45) 1,2-Dichloropropane	7.51	63	244340	151.244	ug/l	98
46) Dibromomethane	7.65	93	159190	152.478	ug/l	99
47) Bromodichloromethane	7.89	83	371834	161.567	ug/l	98
48) Methyl methacrylate	7.76	41	343751	161.971	ug/l	99
49) 1,4-Dioxane	7.73	88	159953	3067.487	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2358897	796.625	ug/l	99
52) Toluene	8.78	92	527792	156.709	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	408244	172.739	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	409401	166.127	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	267238	153.462	ug/l	98
56) Ethyl methacrylate	9.17	69	457139	171.198	ug/l	99
57) 1,3-Dichloropropane	9.37	76	430317	155.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1139764	817.740	ug/l	100
59) 2-Hexanone	9.49	43	1818338	785.112	ug/l	98
60) Dibromochloromethane	9.58	129	303845	175.469	ug/l	99
61) 1,2-Dibromoethane	9.67	107	255472	162.182	ug/l	99
64) Tetrachloroethene	9.33	164	168159	145.359	ug/l	97
65) Chlorobenzene	10.14	112	637552	154.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	277939	164.083	ug/l	100
67) Ethyl Benzene	10.25	91	1106417	156.472	ug/l	99
68) m/p-Xylenes	10.35	106	818999	319.478	ug/l	99
69) o-Xylene	10.70	106	422438	160.339	ug/l	100
70) Styrene	10.71	104	787380	170.865	ug/l	98
71) Bromoform	10.85	173	234131	190.061	ug/l #	98
73) Isopropylbenzene	11.01	105	1192368	151.007	ug/l	100
74) N-amyl acetate	10.89	43	675693	160.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	468736	151.395	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	436249m	150.891	ug/l	
77) Bromobenzene	11.25	156	300620	157.177	ug/l	99
78) n-propylbenzene	11.35	91	1382939	158.438	ug/l	100
79) 2-Chlorotoluene	11.42	91	859848	150.021	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1039899	155.129	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	165255	175.316	ug/l	97
82) 4-Chlorotoluene	11.51	91	1005682	153.470	ug/l	100
83) tert-Butylbenzene	11.77	119	1085745	150.357	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1073614	156.161	ug/l	99
85) sec-Butylbenzene	11.94	105	1244403	157.656	ug/l	99
86) p-Isopropyltoluene	12.06	119	1163665	161.175	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	566339	157.462	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	568311	153.082	ug/l	99
89) n-Butylbenzene	12.38	91	1050077	163.406	ug/l	99
90) Hexachloroethane	12.59	117	227580	174.406	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	560447	147.442	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	129149	162.961	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	401152	167.507	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012433.D
 Acq On : 17 Sep 2019 13:56
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 9/18/2019 11:22:25 AM

Quant Time: Sep 17 15:29:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:57:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	179336	157.077	ug/l	99
95) Naphthalene	13.83	128	1435126	168.620	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	400499	163.372	ug/l	99

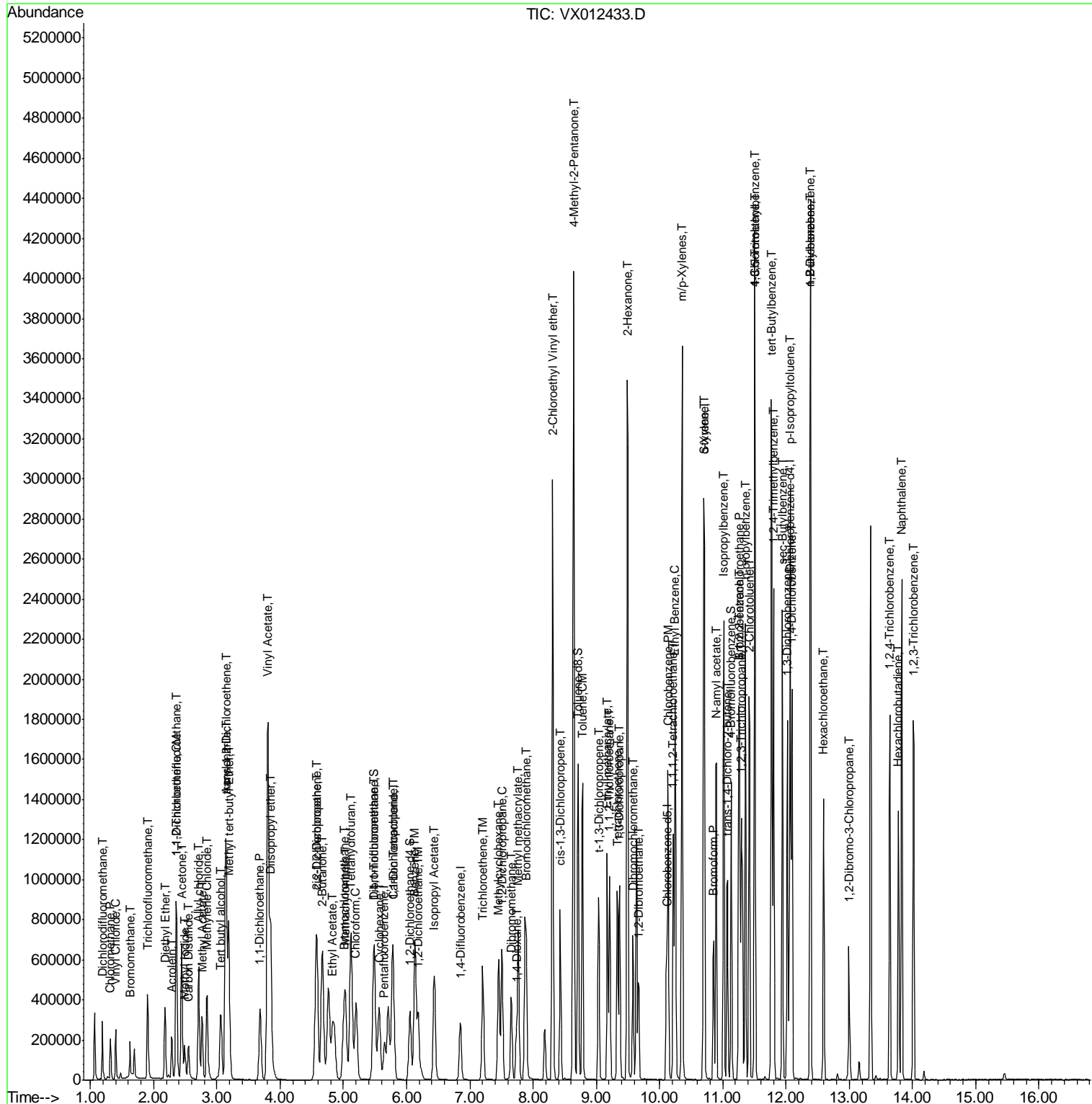
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012433.D
 Acq On : 17 Sep 2019 13:56
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

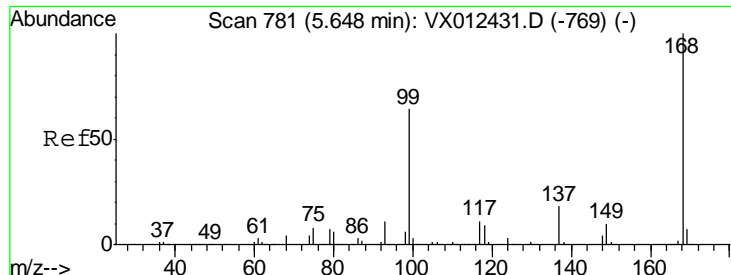
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Manual Integrations
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 MMDadoda
 9/18/2019 11:22:25 AM

Quant Time: Sep 17 15:29:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:57:18 2019
 Response via : Initial Calibration

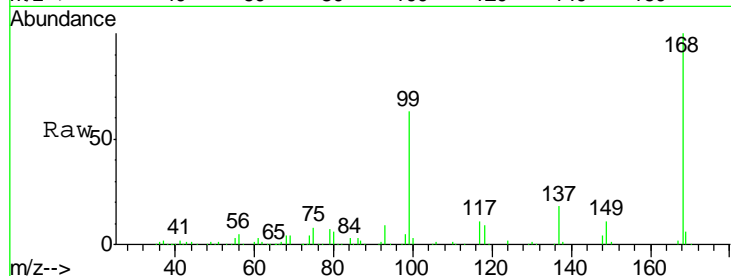


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- 16
- 17
- 18



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

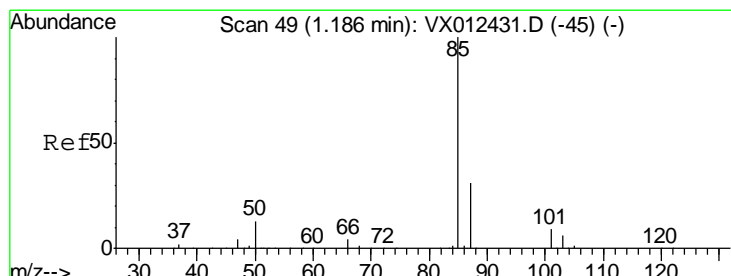
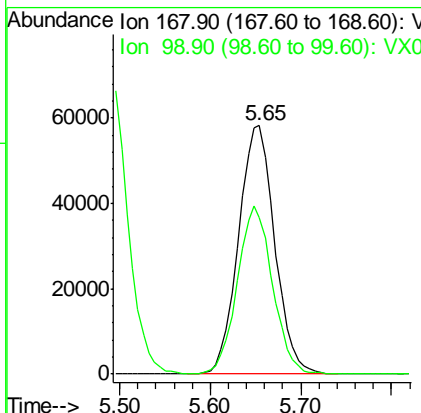
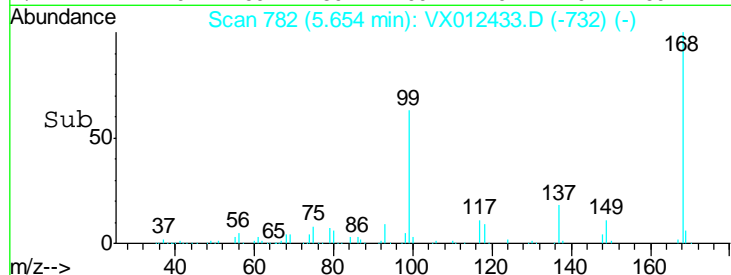
Instrument : MSVOA_X
 Client Sampled : VSTDIC150



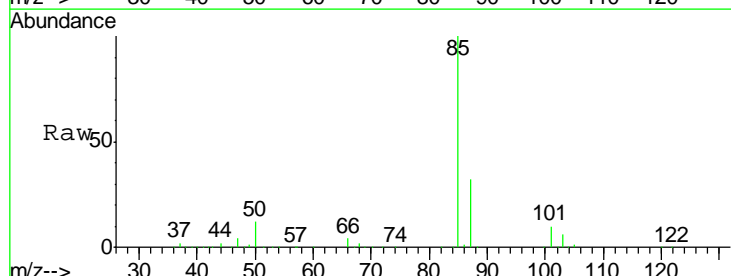
Tgt Ion: 168 Resp: 160827
 Ion Ratio Lower Upper
 168 100
 99 62.6 51.4 77.2

Manual Integrations
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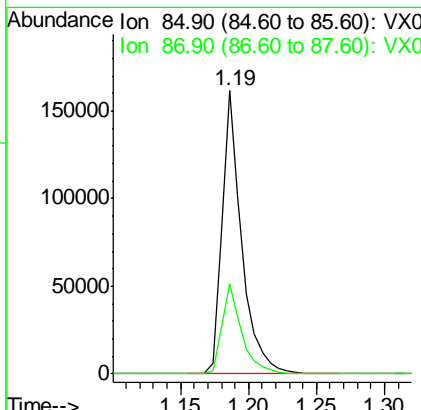
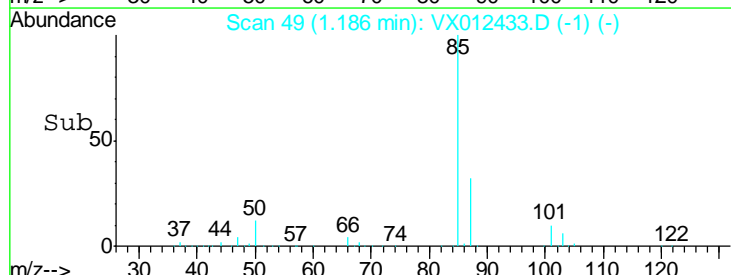
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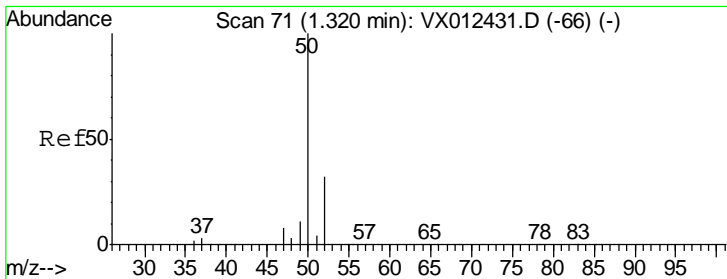


#2
 Dichlorodifluoromethane
 Concen: 168.702 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56



Tgt Ion: 85 Resp: 160484
 Ion Ratio Lower Upper
 85 100
 87 31.9 15.6 46.8



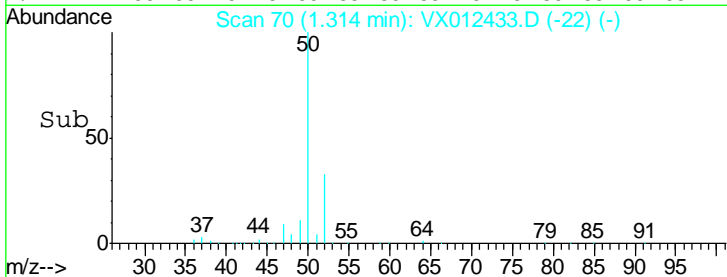
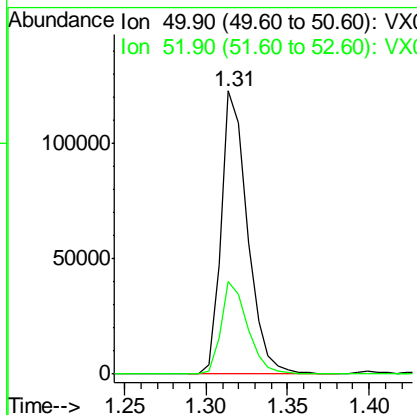
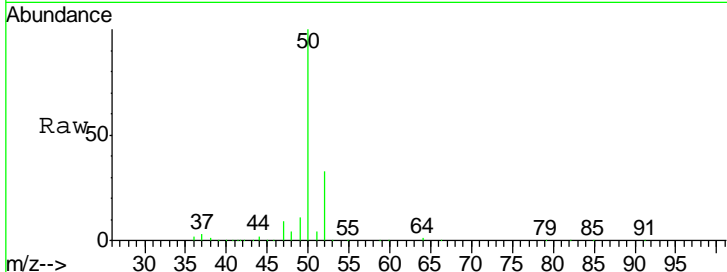


#3
 Chloromethane
 Concen: 157.156 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
50	137858		
52	32.8	25.7	38.5

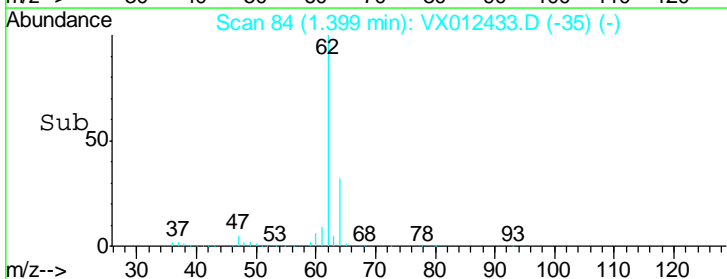
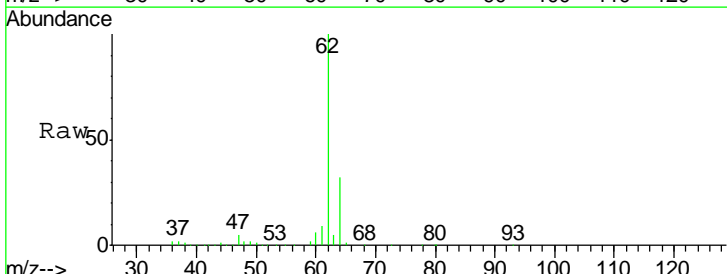
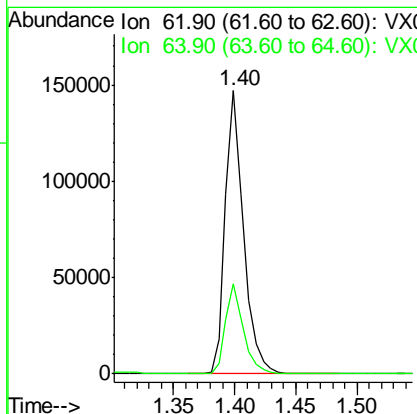
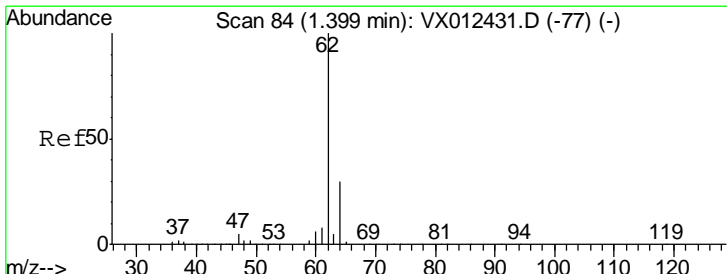
Instrument : MSVOA_X
 ClientSampled : VSTDIC150

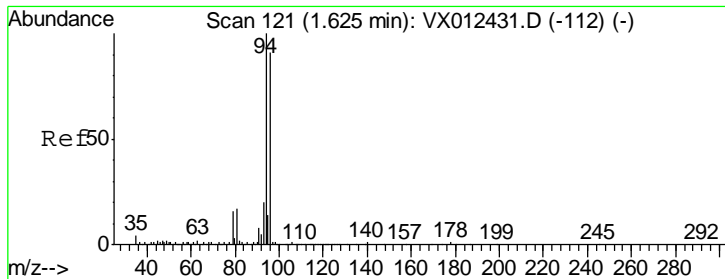
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#4
 Vinyl Chloride
 Concen: 162.415 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
62	153099		
64	31.8	24.2	36.2





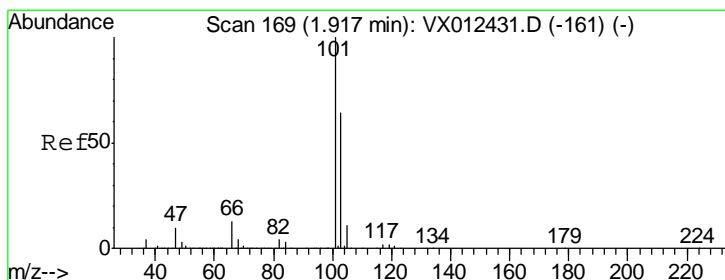
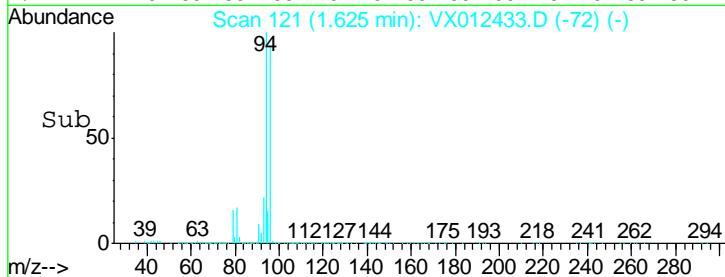
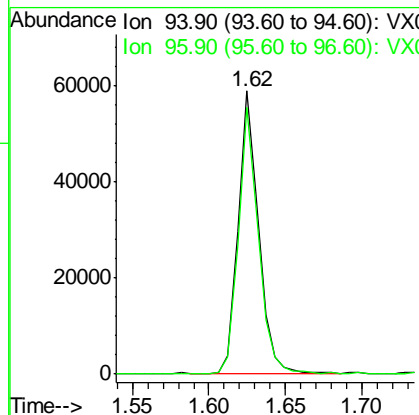
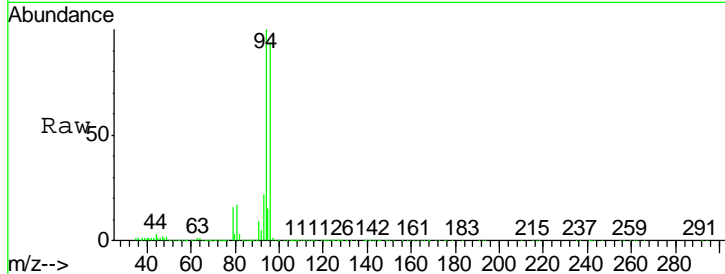
#5
 Bromomethane
 Concen: 144.350 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
94	54607		
96	94.1	72.8	109.2

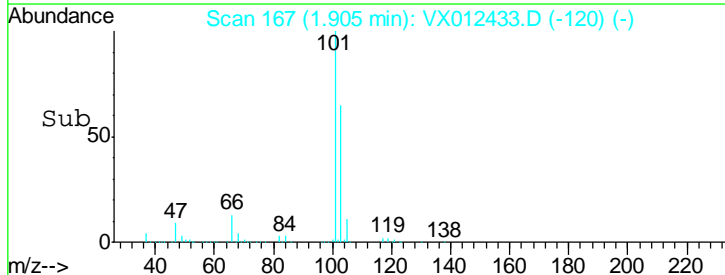
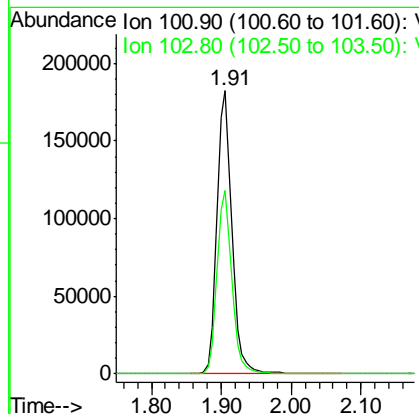
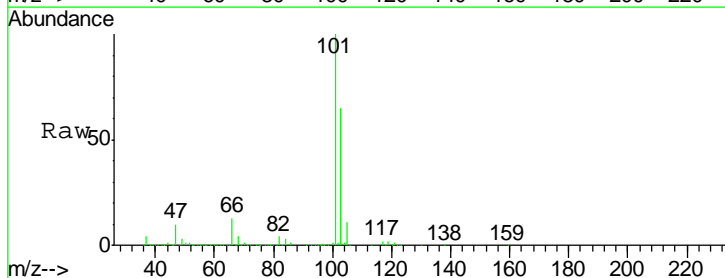
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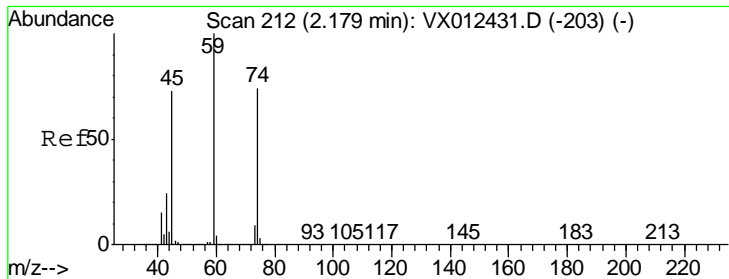
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#7
 Trichlorofluoromethane
 Concen: 155.733 ug/l
 RT: 1.91 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
101	271091		
103	64.8	51.0	76.4





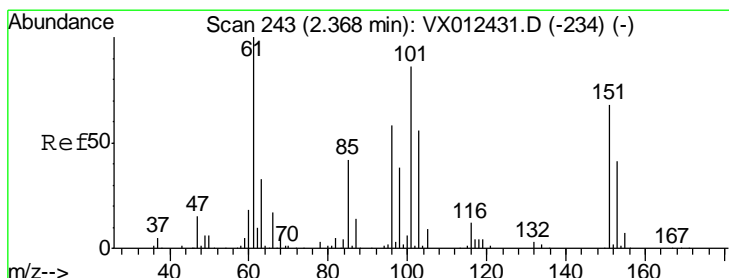
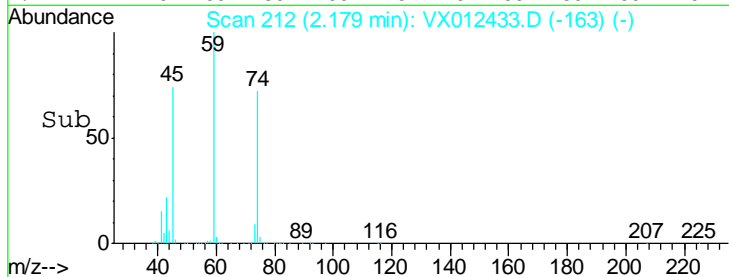
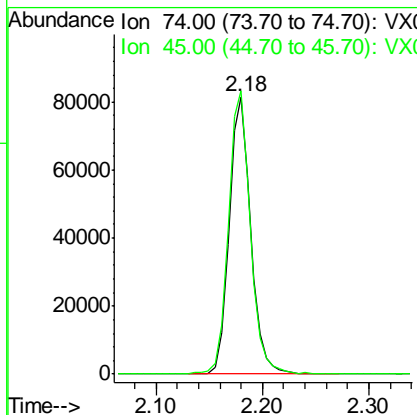
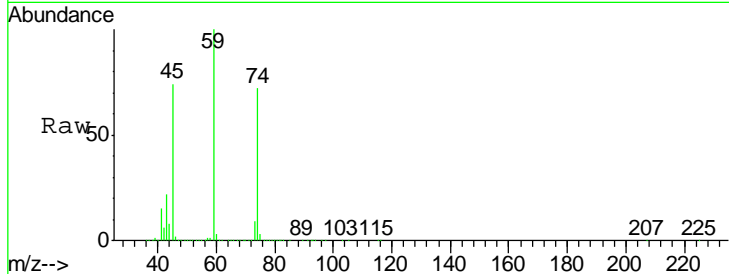
#8
 Diethyl Ether
 Concen: 144.750 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
74	115207		
74	100		
45	103.5	49.9	149.7

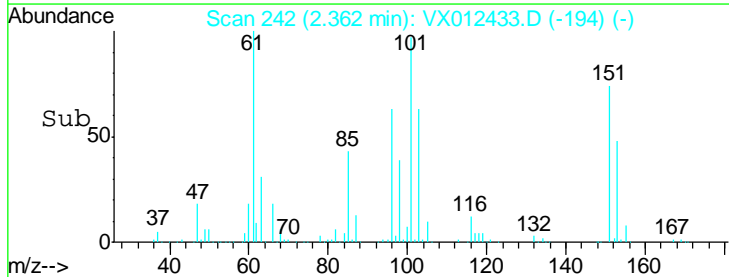
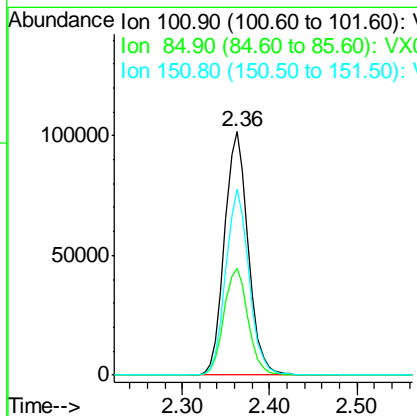
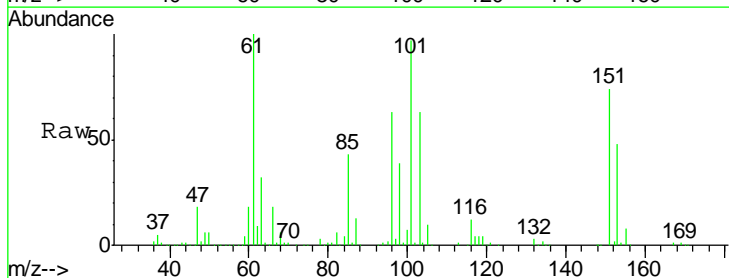
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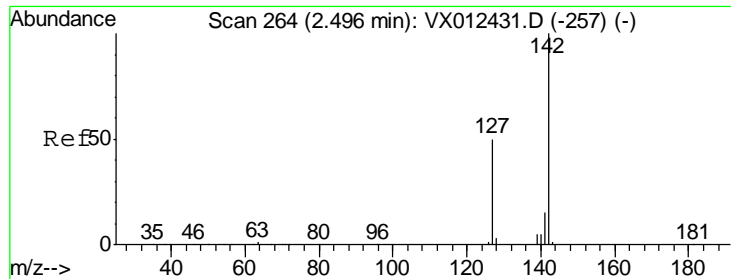
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#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 151.082 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
101	191267		
101	100		
85	44.8	37.3	55.9
151	75.6	61.0	91.4





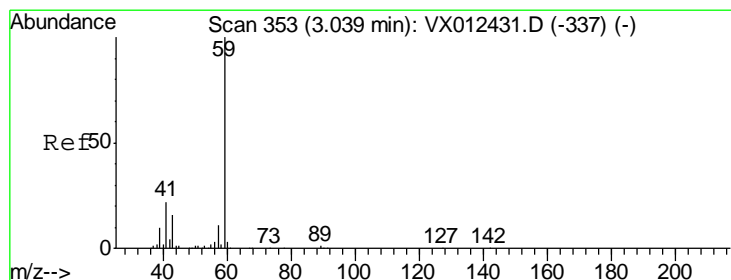
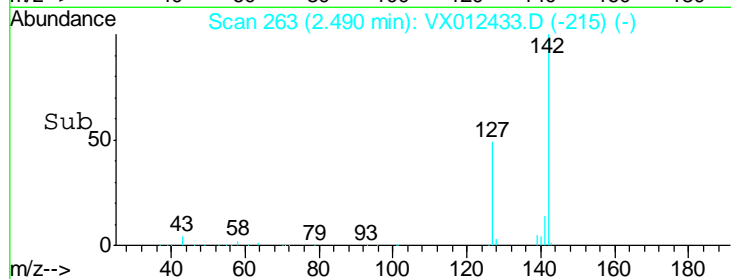
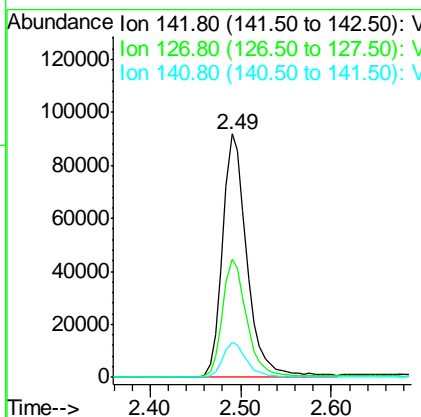
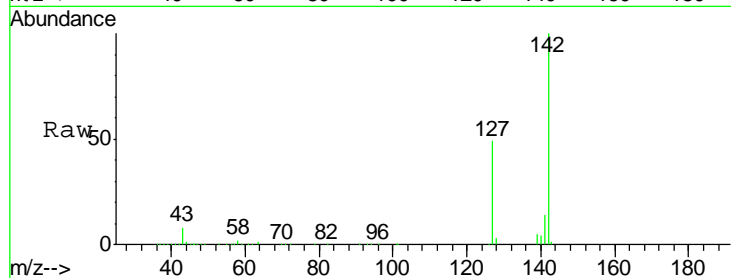
#10
Methyl Iodide
Concen: 189.798 ug/l
RT: 2.49 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX012433.D
Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
142	174247		
127	48.4	40.8	61.2
141	14.3	12.1	18.1

Instrument : MSVOA_X
Client Sampled : VSTDIC150

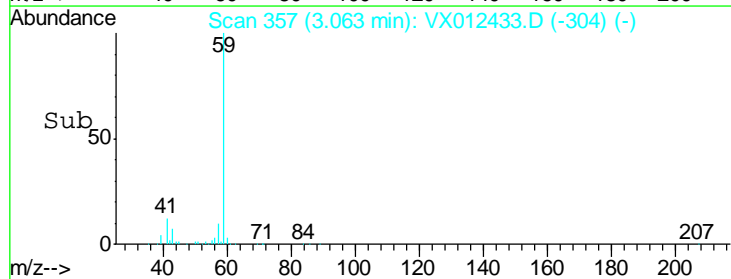
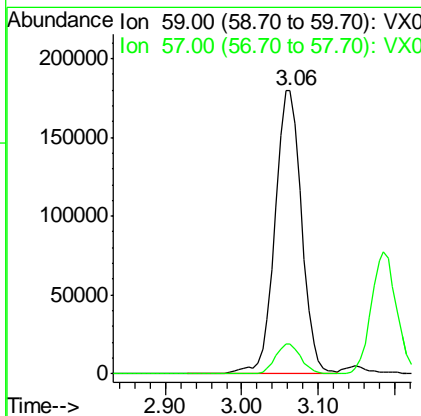
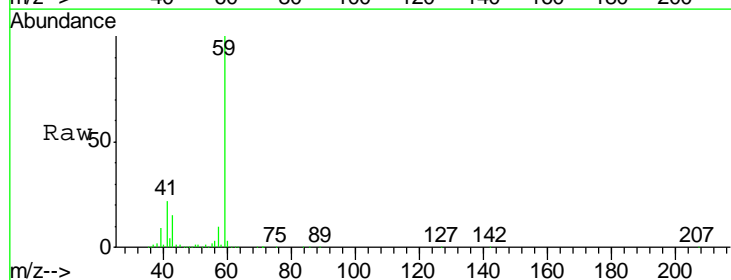
Manual Integrations
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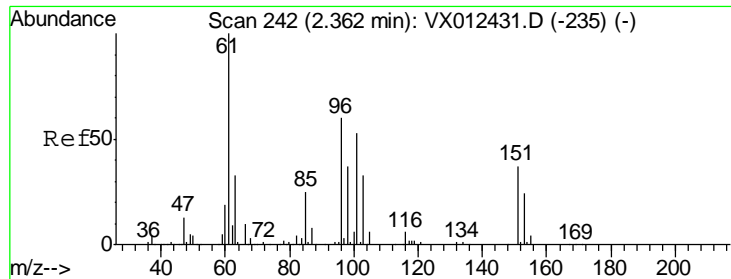
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#11
Tert butyl alcohol
Concen: 685.613 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX012433.D
Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
59	432363		
57	10.4	8.3	12.5





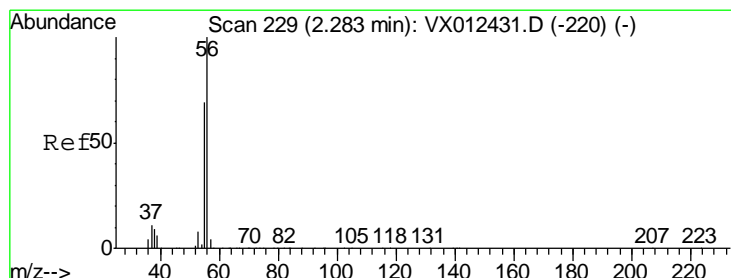
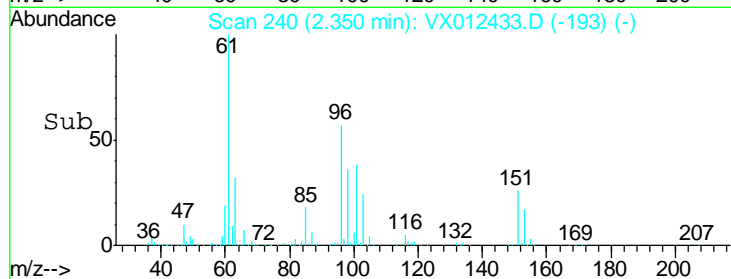
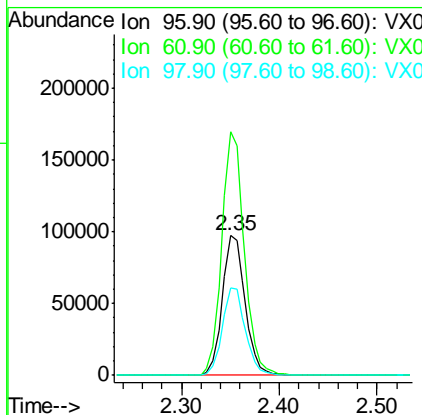
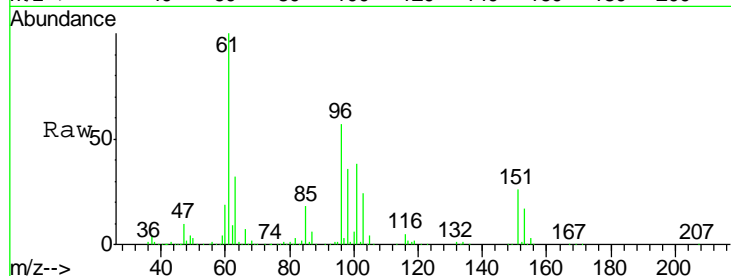
#12
 1,1-Dichloroethene
 Concen: 156.513 ug/l
 RT: 2.35 min Scan# 240
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	157118		
61	174.8	133.8	200.6
98	63.0	49.9	74.9

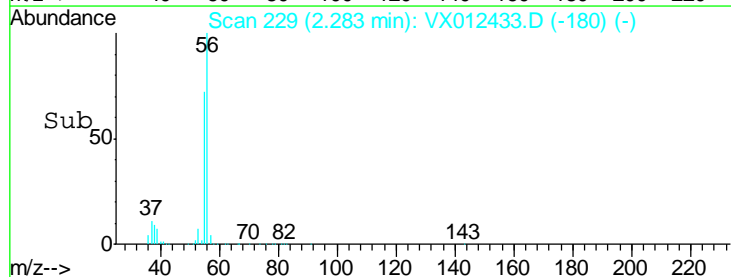
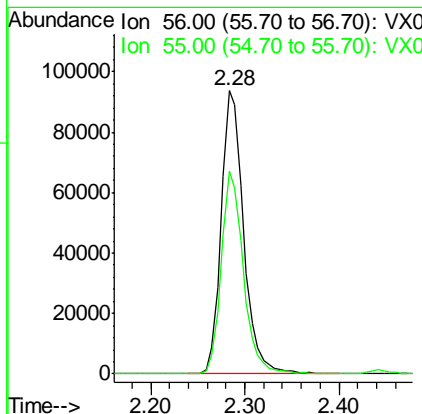
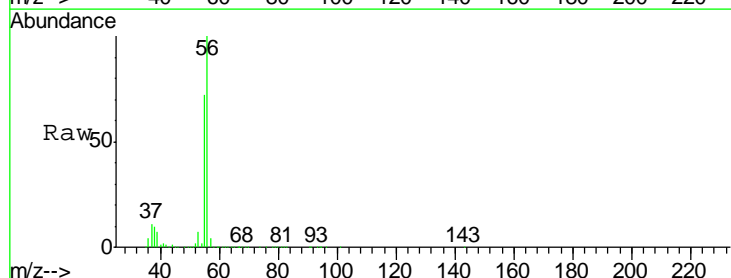
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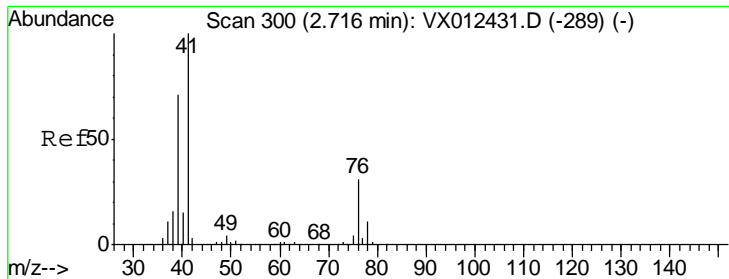
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#13
 Acrolein
 Concen: 676.372 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
56	153961		
55	70.7	55.8	83.8





#14
 Allyl chloride
 Concen: 160.466 ug/l
 RT: 2.71 min Scan# 299
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

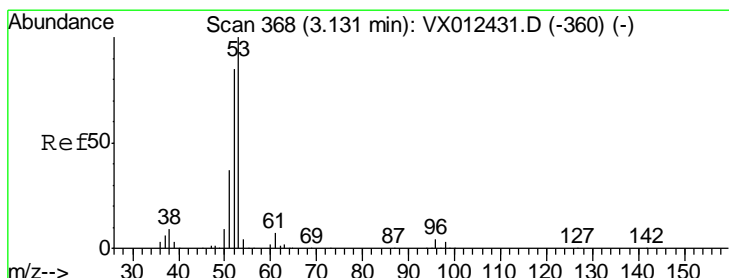
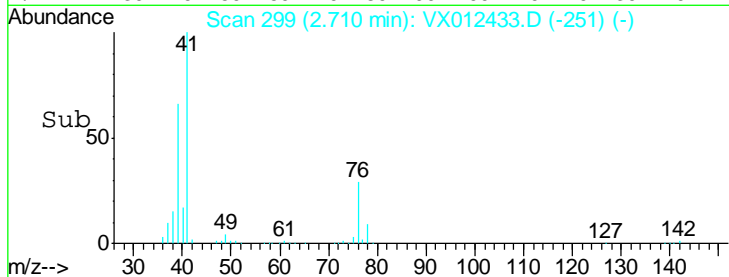
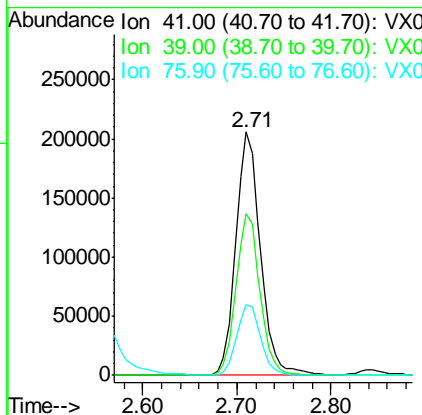
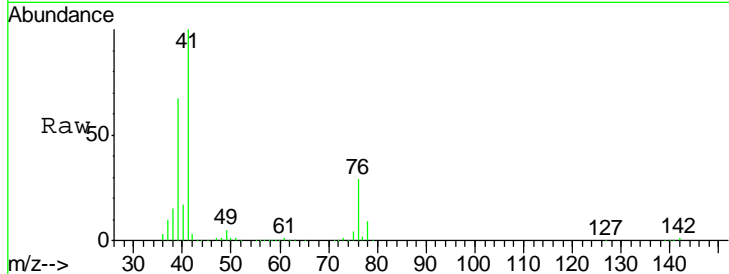
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Tgt Ion: 41 Resp: 373403

Ion	Ratio	Lower	Upper
41	100		
39	64.5	51.3	76.9
76	28.5	22.6	33.8

Manual Integrations
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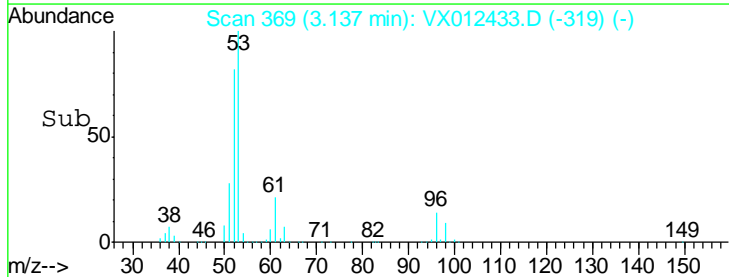
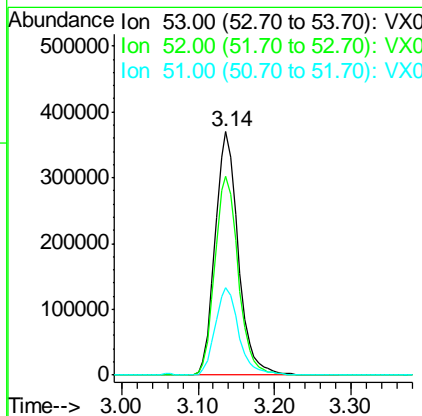
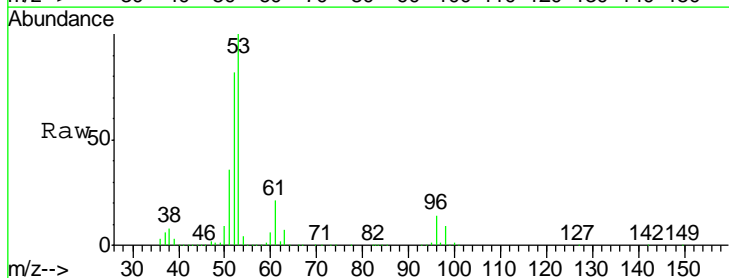
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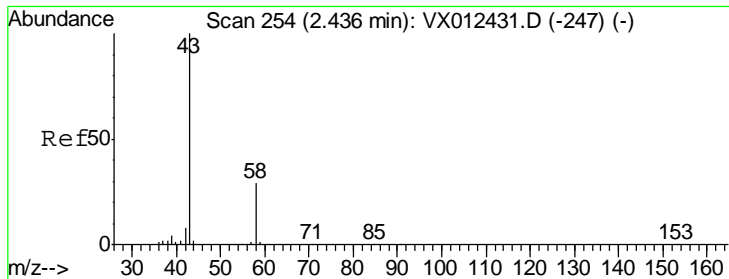


#15
 Acrylonitrile
 Concen: 778.386 ug/l
 RT: 3.14 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion: 53 Resp: 772604

Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.0	100.4
51	36.5	29.6	44.4





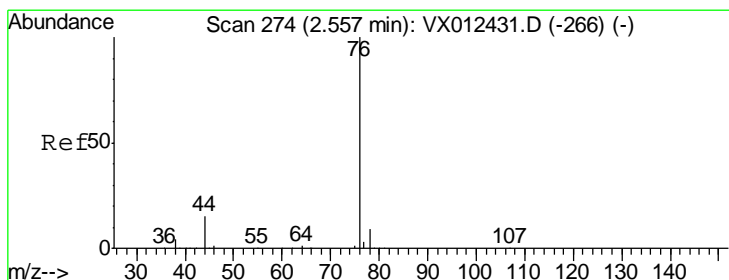
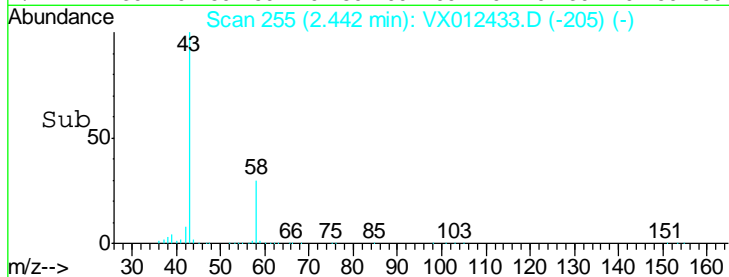
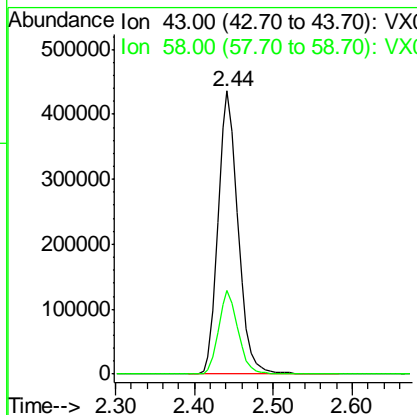
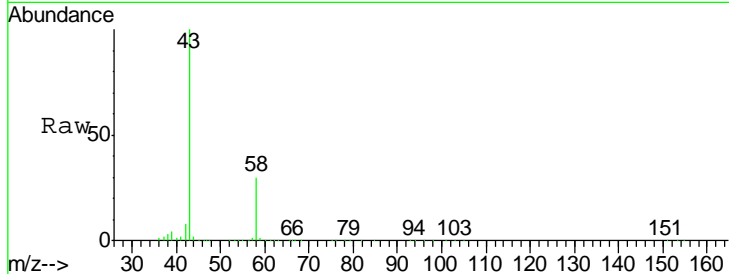
#16
 Acetone
 Concen: 641.611 ug/l
 RT: 2.44 min Scan# 255
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	29.6	23.3	34.9

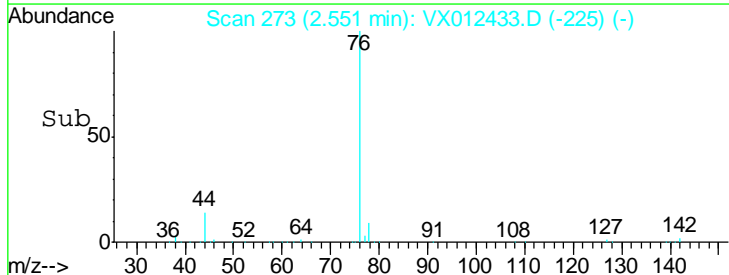
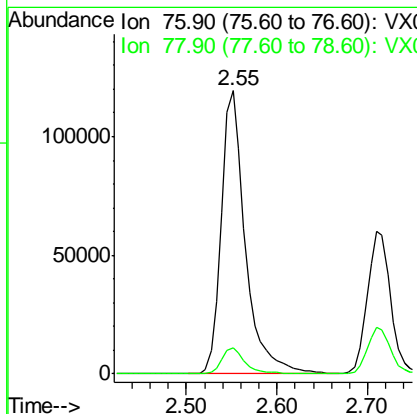
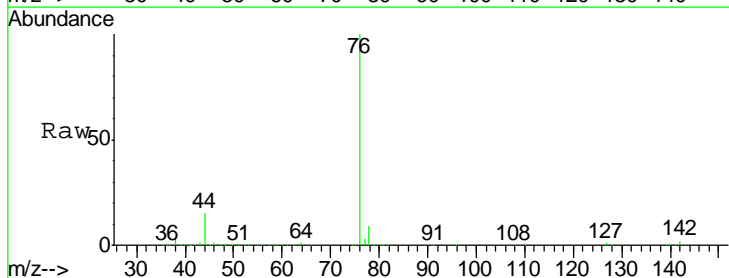
Manual Integrations
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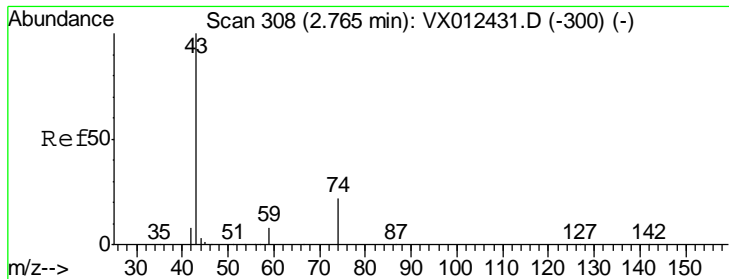
MMDadoda
 9/18/2019 11:22:25 AM



#17
 Carbon Disulfide
 Concen: 183.222 ug/l
 RT: 2.55 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.4	7.3	10.9





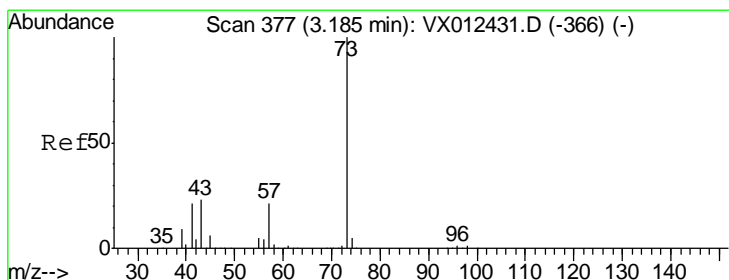
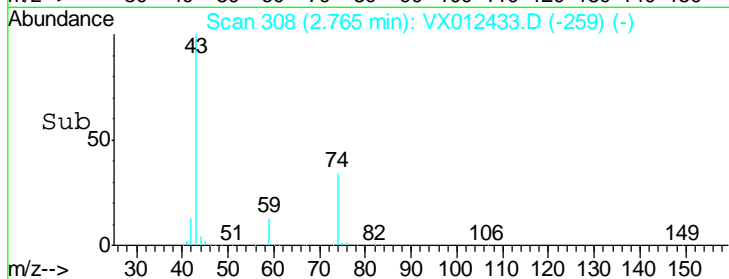
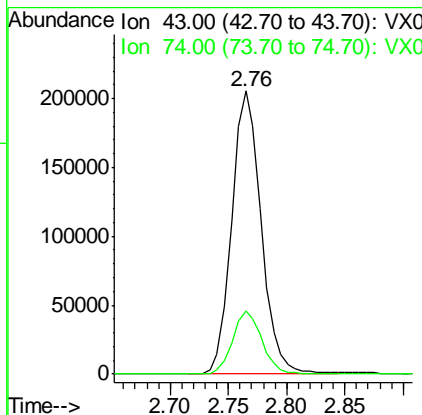
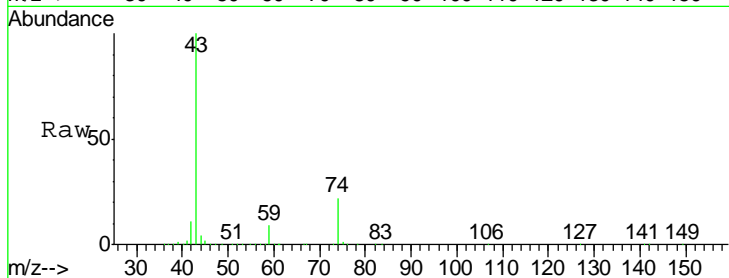
#18
 Methyl Acetate
 Concen: 150.367 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.4	17.7	26.5

Instrument : MSVOA_X
 ClientSampleId : VSTDIC150

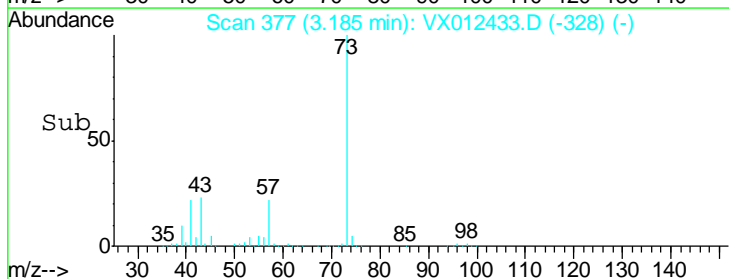
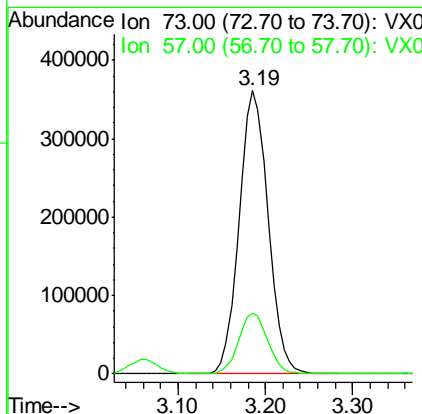
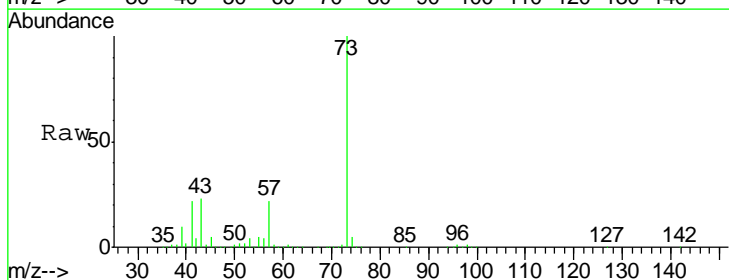
Manual Integrations
APPROVED

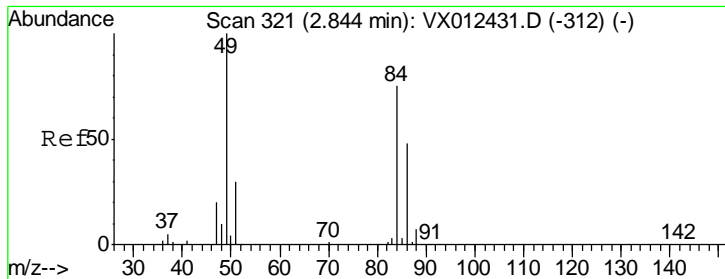
MMDadoda
 9/18/2019 11:22:25 AM



#19
 Methyl tert-butyl Ether
 Concen: 150.967 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.5	16.8	25.2





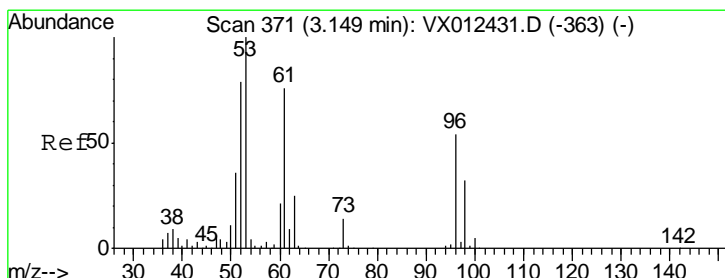
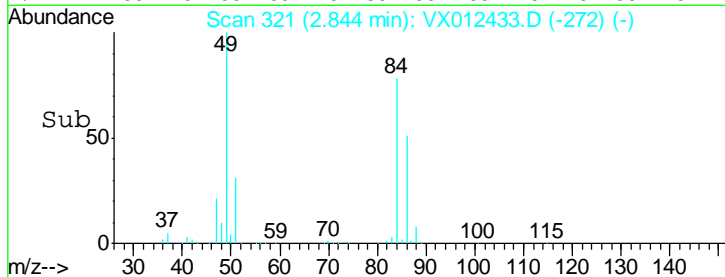
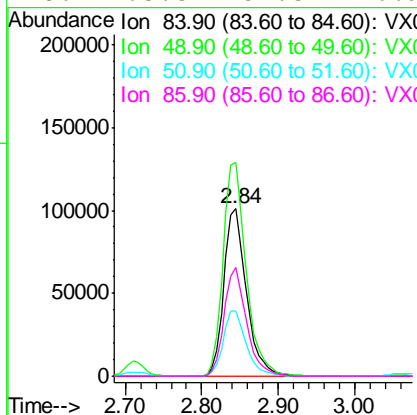
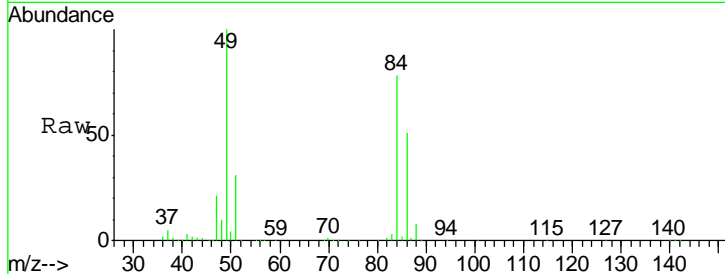
#20
Methylene Chloride
Concen: 147.284 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012433.D
Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
84	100		
49	127.7	106.8	160.2
51	39.3	32.3	48.5
86	65.3	51.3	76.9

Instrument : MSVOA_X
Client Sampled : VSTDIC150

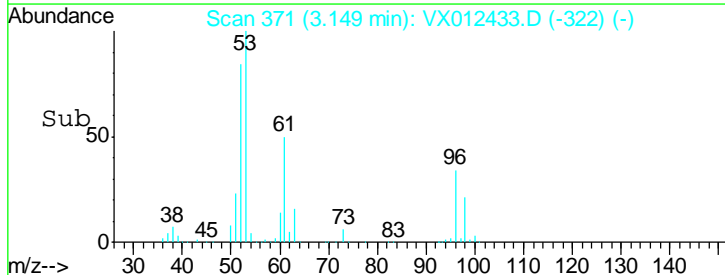
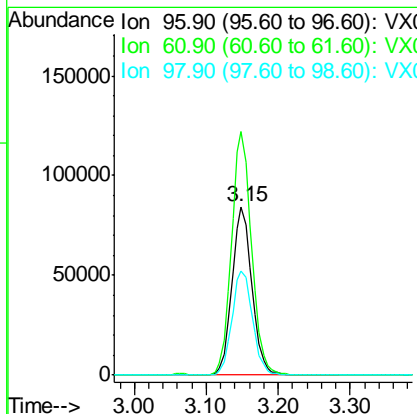
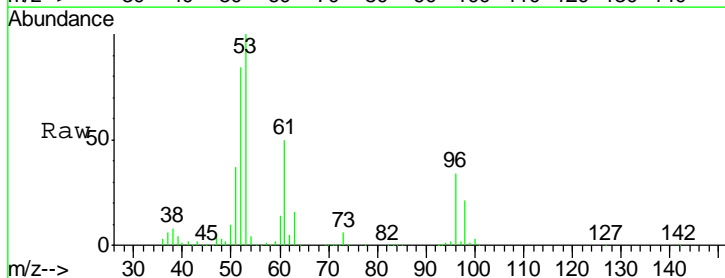
Manual Integrations
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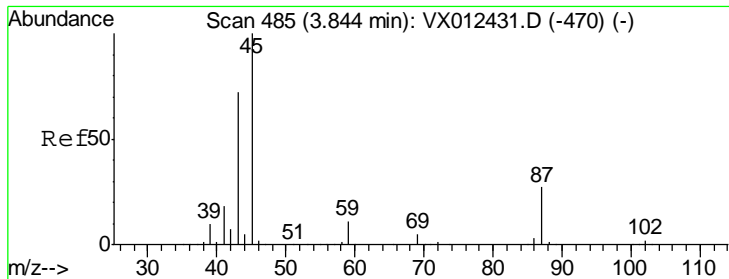
MMDadoda
9/18/2019 11:22:25 AM



#21
trans-1,2-Dichloroethene
Concen: 155.915 ug/l
RT: 3.15 min Scan# 371
Delta R.T. 0.00 min
Lab File: VX012433.D
Acq: 17 Sep 2019 13:56

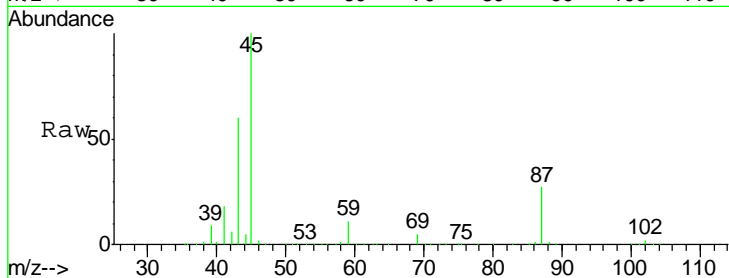
Tgt Ion	Resp	Lower	Upper
96	100		
61	144.7	112.0	168.0
98	62.2	47.8	71.8





#22
 Diisopropyl ether
 Concen: 149.535 ug/l
 RT: 3.85 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 ClientSampled : VSTDIC150

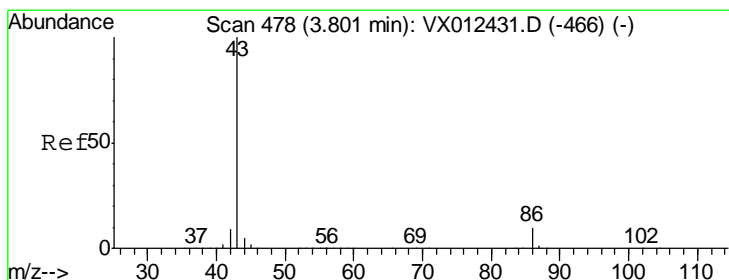
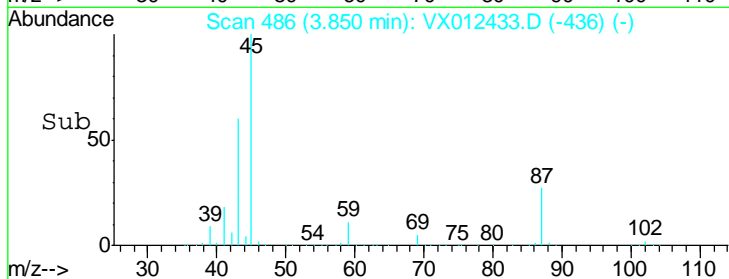
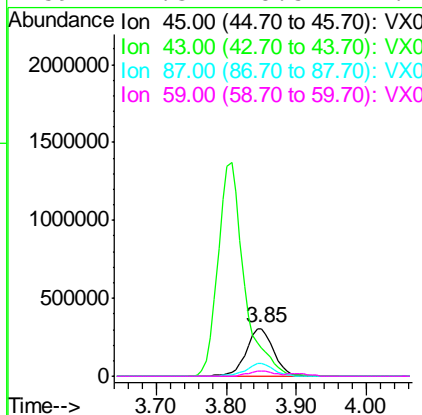


Tgt Ion: 45 Resp: 824639

Ion	Ratio	Lower	Upper
45	100		
43	60.4	57.8	86.8
87	26.6	21.3	31.9
59	11.3	8.5	12.7

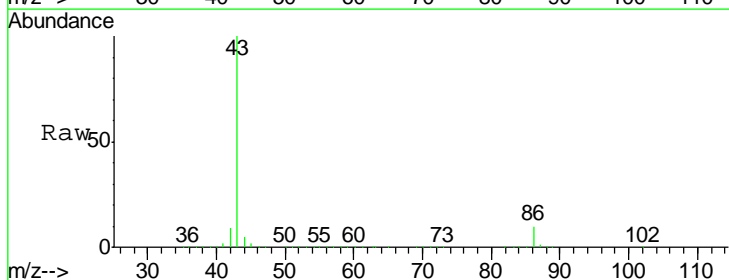
Manual Integrations
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MMDadoda
 9/18/2019 11:22:25 AM



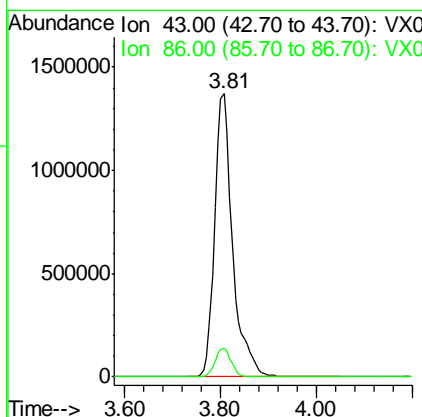
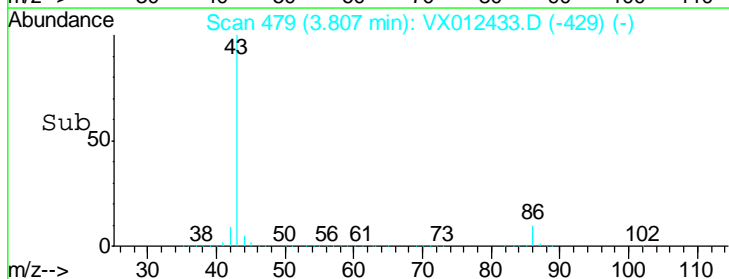
#23
 Vinyl Acetate
 Concen: 796.680 ug/l
 RT: 3.81 min Scan# 479
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

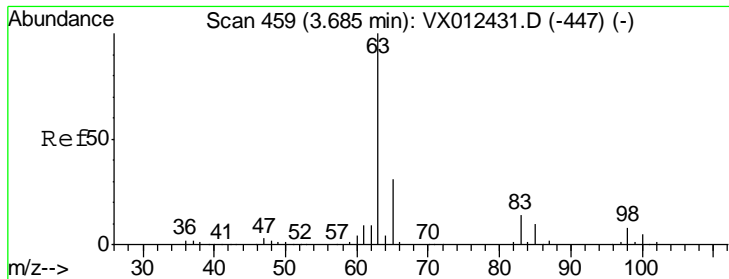
Instrument : MSVOA_X
 ClientSampled : VSTDIC150



Tgt Ion: 43 Resp: 3575116

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8





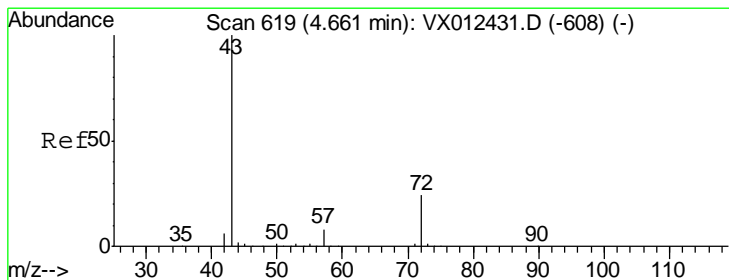
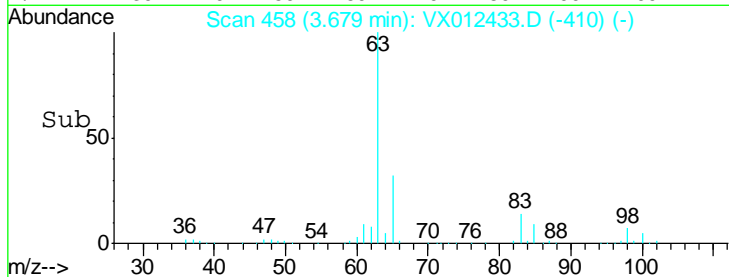
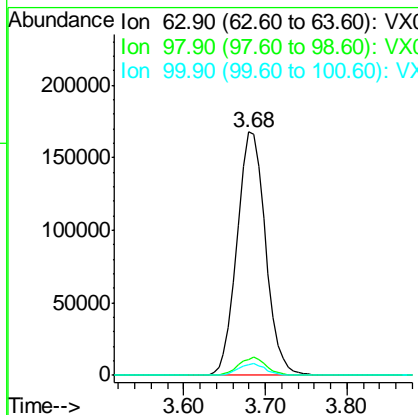
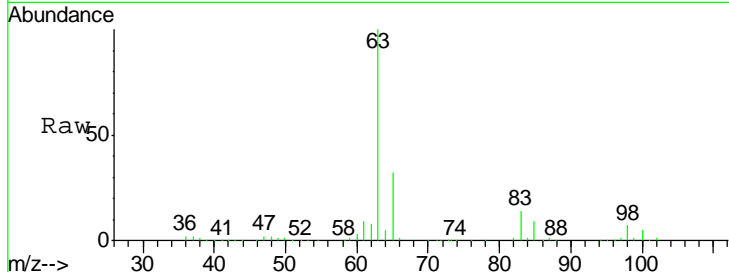
#24
 1,1-Dichloroethane
 Concen: 154.418 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.5	3.9	11.7
100	4.6	2.3	6.9

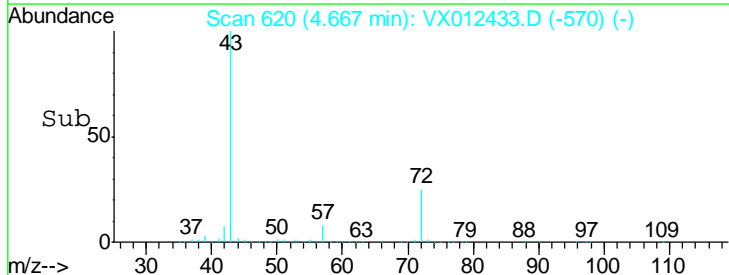
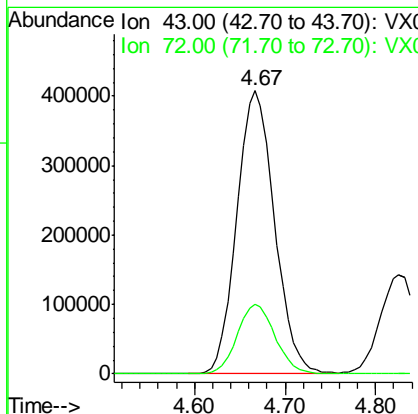
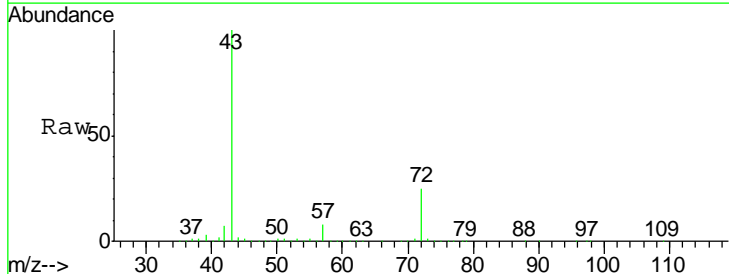
Manual Integrations
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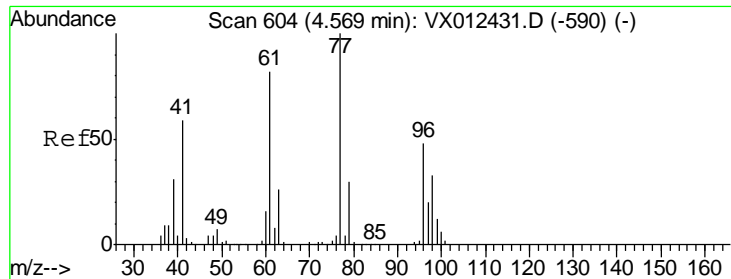
MMDadoda
 9/18/2019 11:22:25 AM



#25
 2-Butanone
 Concen: 734.352 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
43	100		
72	24.5	19.2	28.8





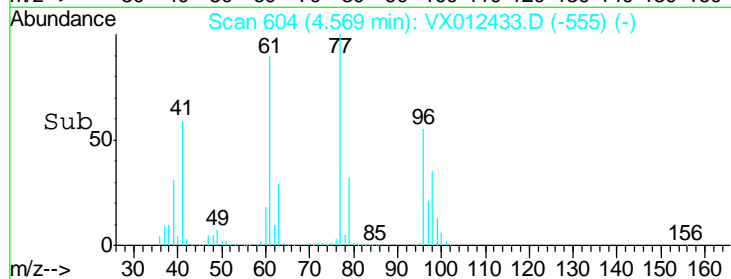
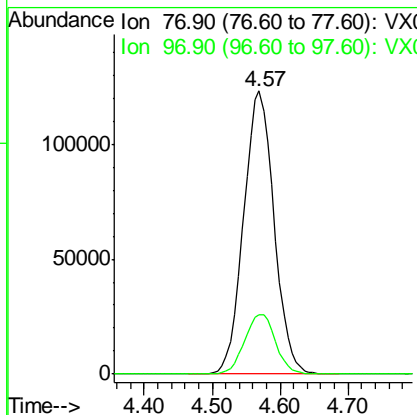
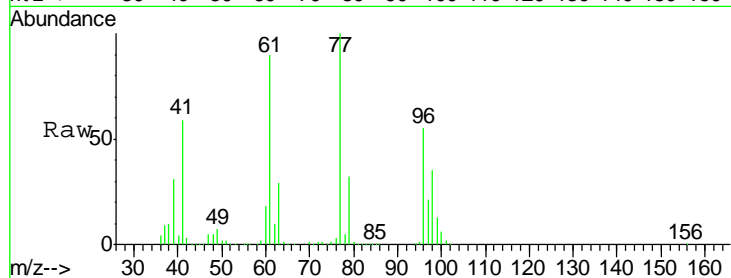
#26
 2,2-Dichloropropane
 Concen: 147.317 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
77	383229		
77	100		
97	21.6	10.5	31.6

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

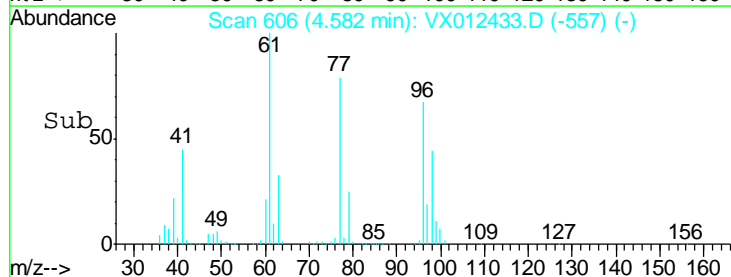
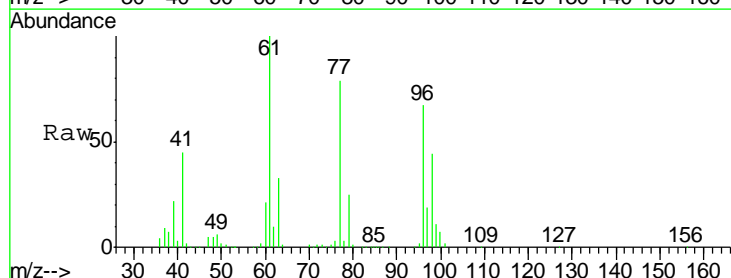
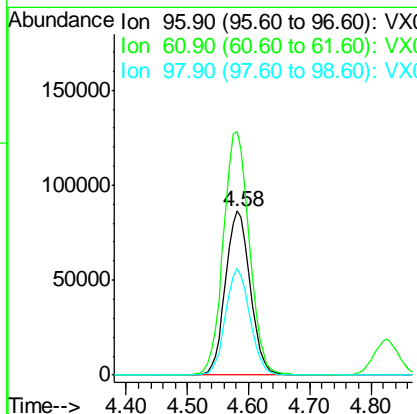
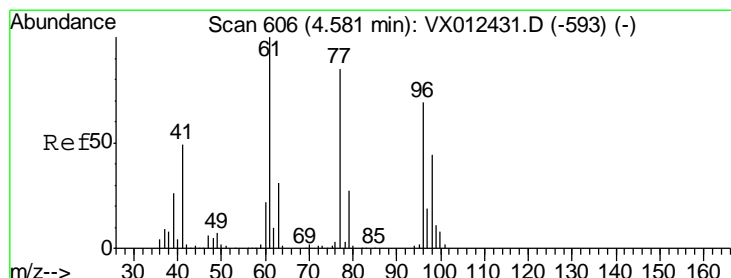
Manual Integrations
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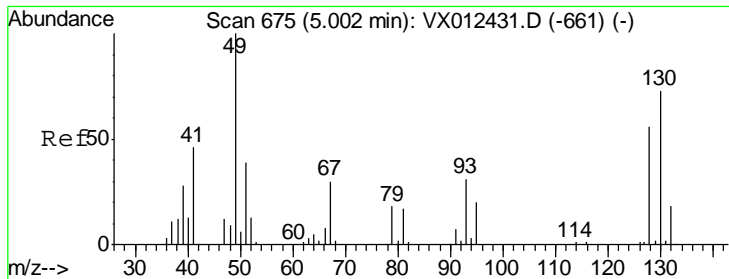
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 9/18/2019 11:22:25 AM



#27
 cis-1,2-Dichloroethene
 Concen: 153.351 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

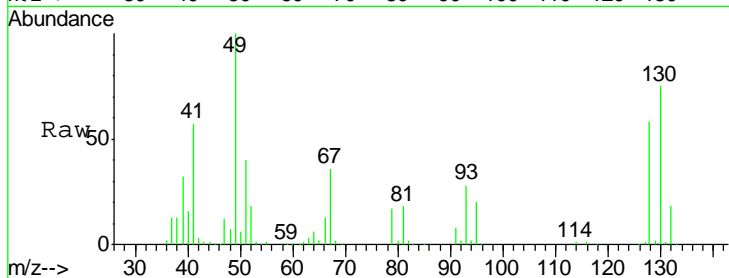
Tgt Ion	Resp	Lower	Upper
96	239641		
96	100		
61	156.6	0.0	319.4
98	64.1	0.0	130.6





#28
 Bromochloromethane
 Concen: 138.085 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

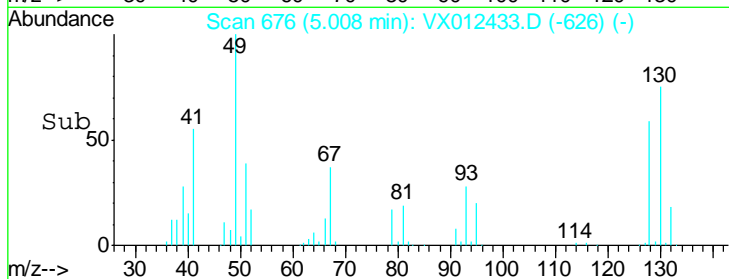
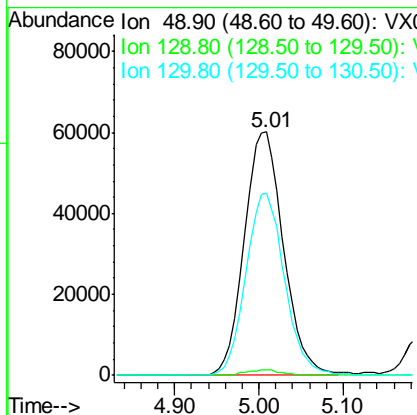


Tgt Ion: 49 Resp: 190256

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	73.9	58.2	87.4

Manual Integrations
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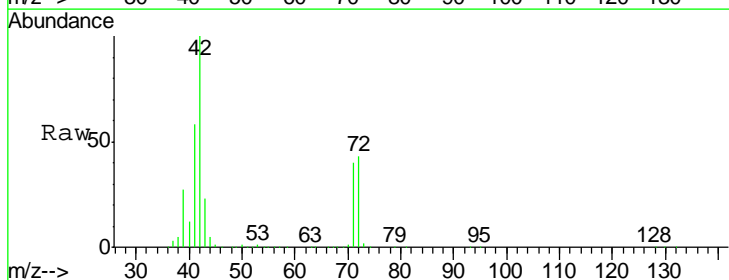
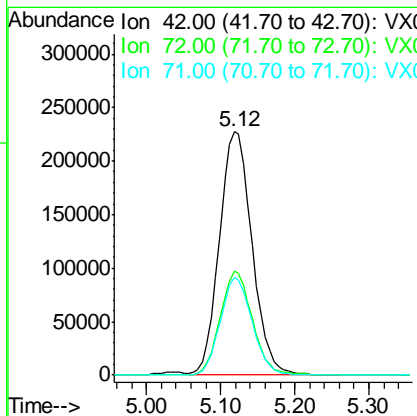
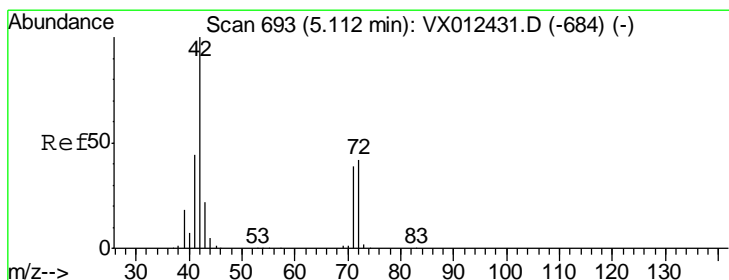
MMDadoda
 9/18/2019 11:22:25 AM

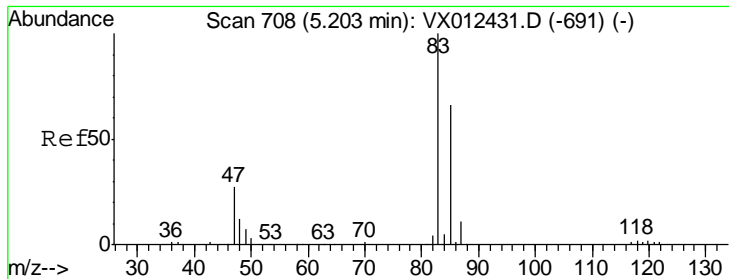


#29
 Tetrahydrofuran
 Concen: 789.492 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion: 42 Resp: 691276

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.0	51.0
71	39.5	31.5	47.3





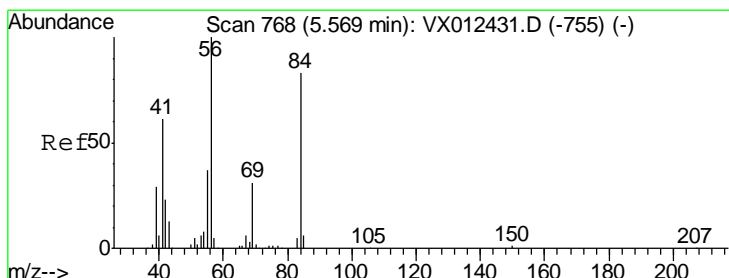
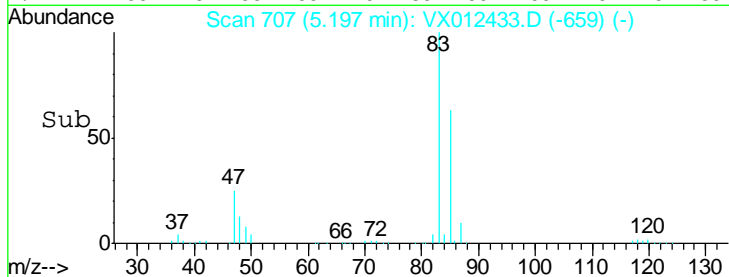
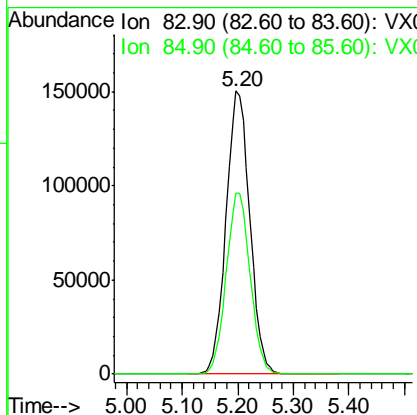
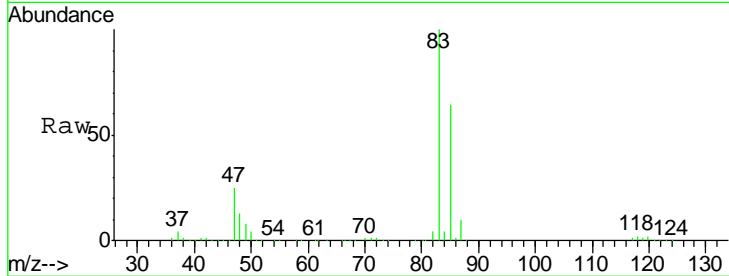
#30
 Chloroform
 Concen: 145.841 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	443763		
83	100		
85	63.9	53.0	79.4

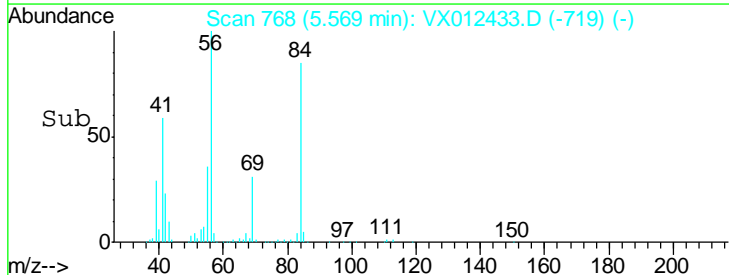
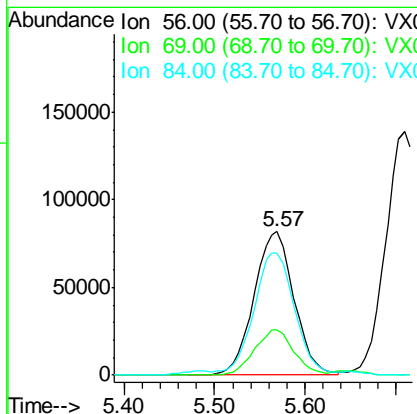
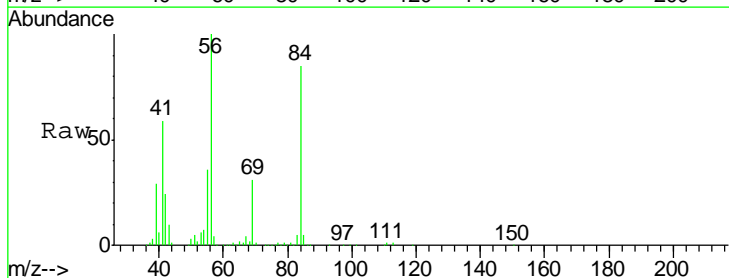
Manual Integrations
 APPROVED

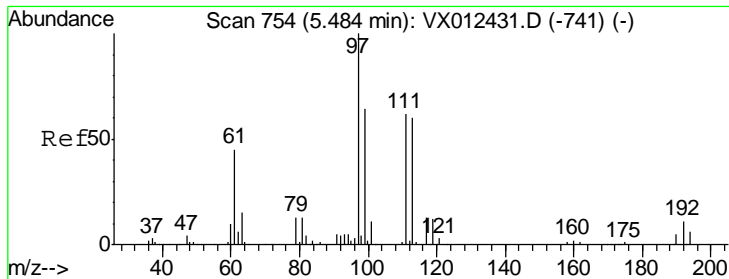
MMDadoda
 9/18/2019 11:22:25 AM



#31
 Cyclohexane
 Concen: 158.640 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
56	249674		
56	100		
69	31.2	25.0	37.6
84	82.8	66.4	99.6





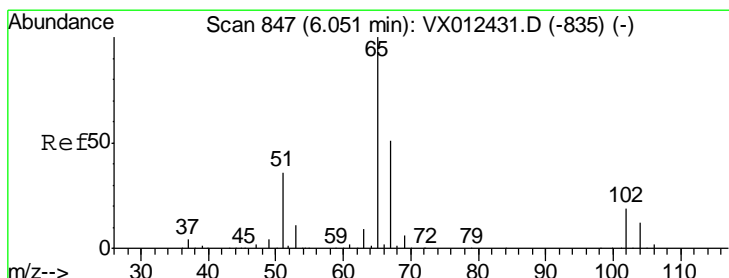
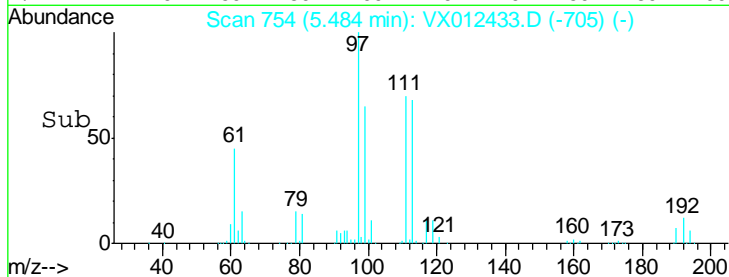
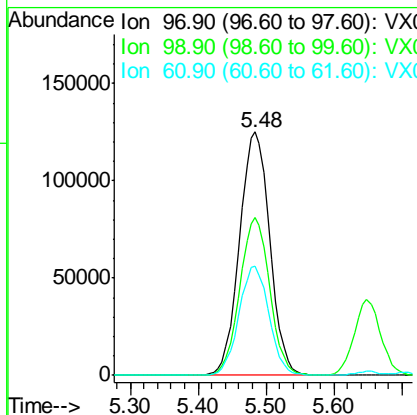
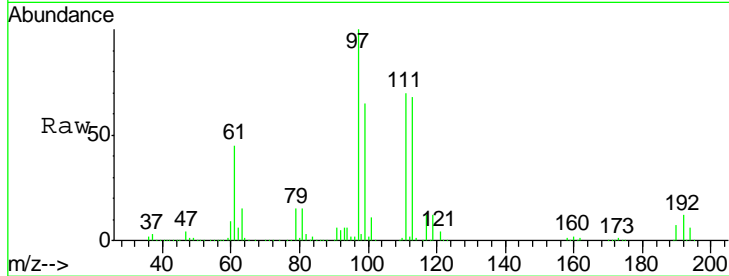
#32
 1,1,1-Trichloroethane
 Concen: 153.522 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	44.8	36.1	54.1

Instrument : MSVOA_X
 ClientSampled : VSTDIC150

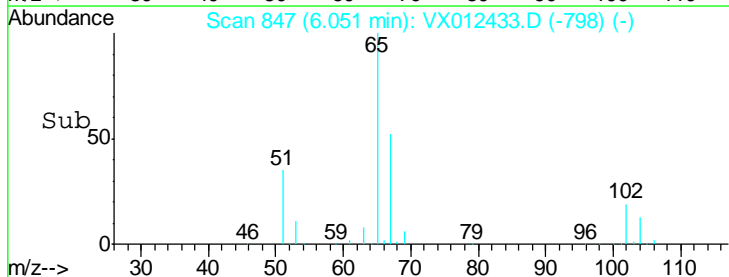
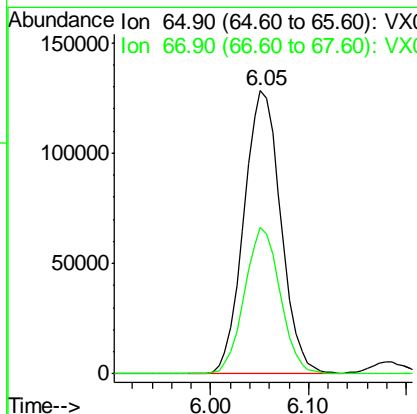
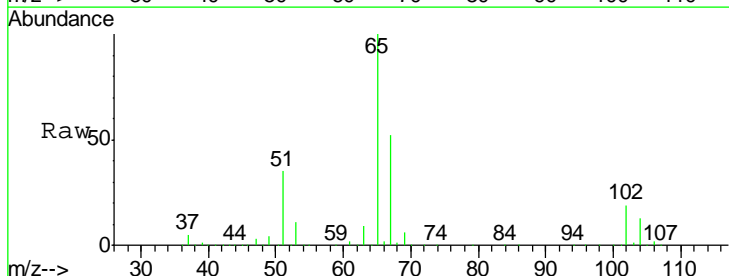
Manual Integrations
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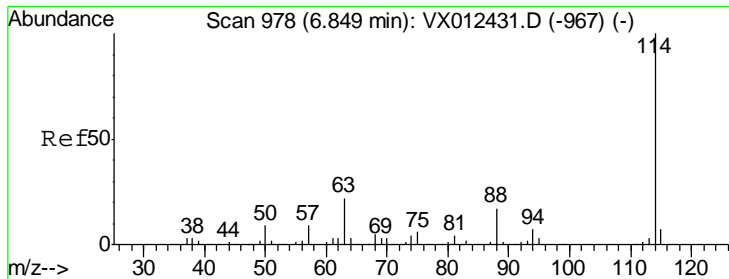
MMDadoda
 9/18/2019 11:22:25 AM



#33
 1,2-Dichloroethane-d4
 Concen: 145.916 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
65	100		
67	50.1	0.0	101.2





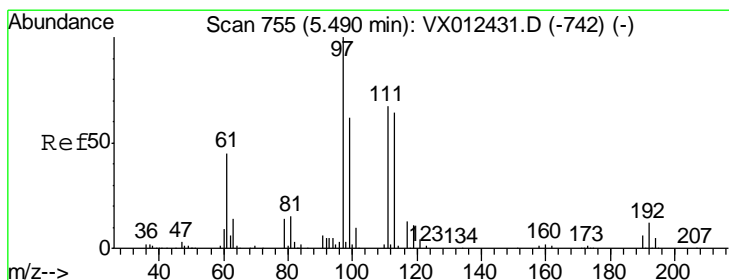
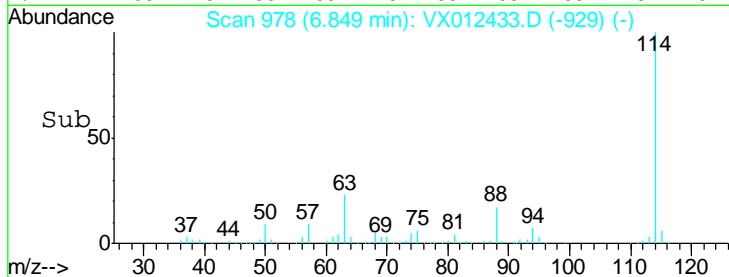
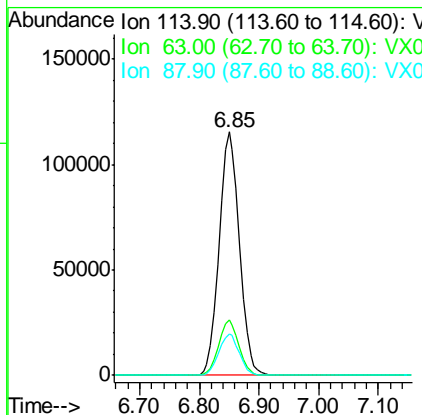
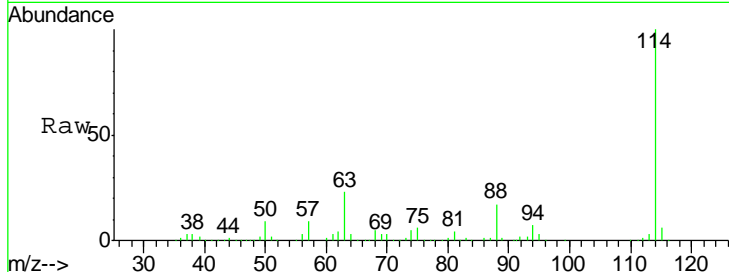
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
114	272465		
63	22.5	0.0	43.2
88	16.9	0.0	33.2

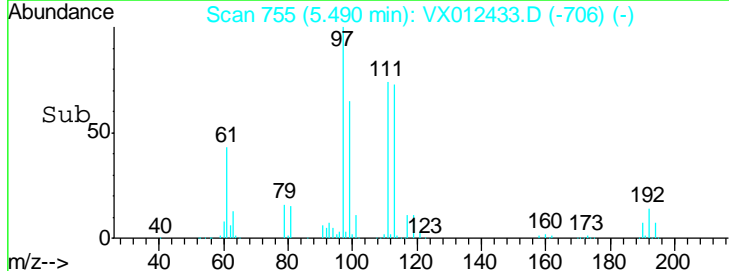
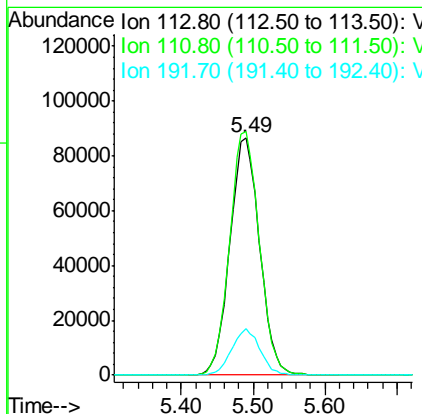
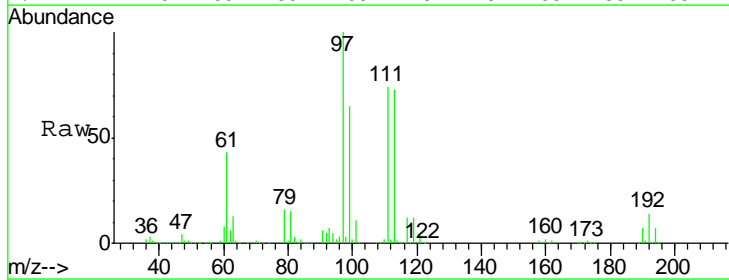
Manual Integrations
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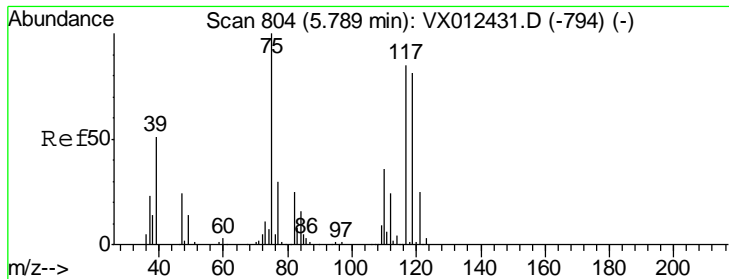
MMDadoda
 9/18/2019 11:22:25 AM



#35
 Dibromofluoromethane
 Concen: 150.703 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
113	248294		
111	102.7	83.4	125.2
192	18.6	14.4	21.6





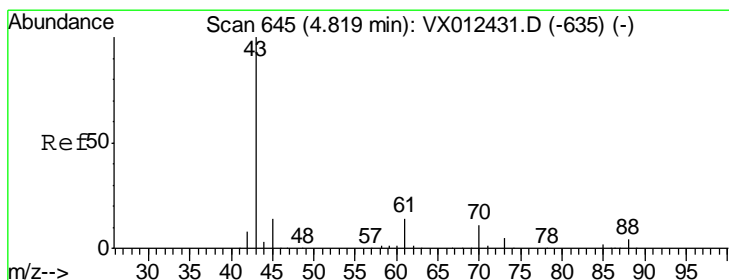
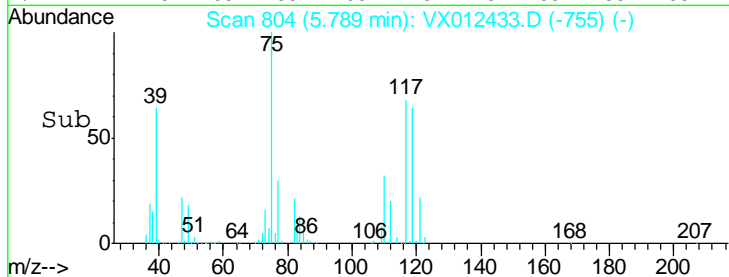
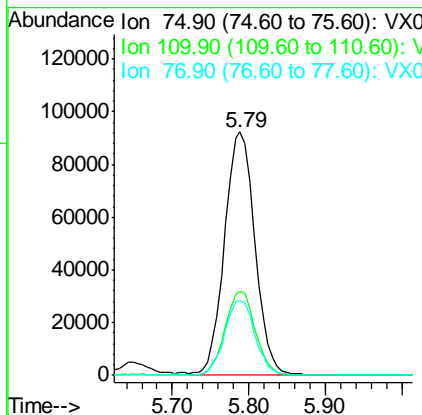
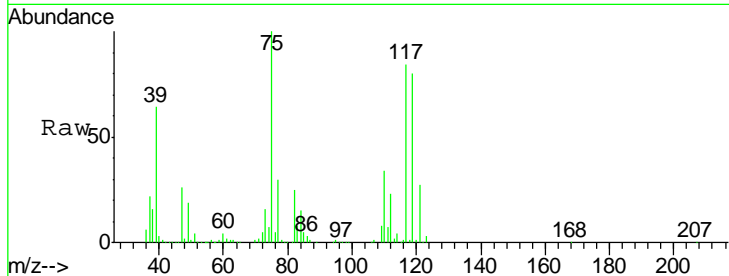
#36
 1,1-Dichloropropene
 Concen: 153.493 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	253189		
75	100		
110	34.6	16.7	50.0
77	30.8	24.2	36.2

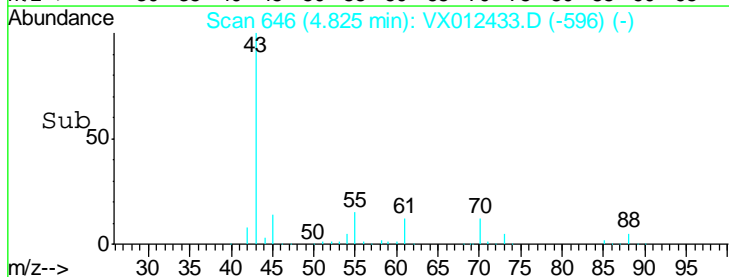
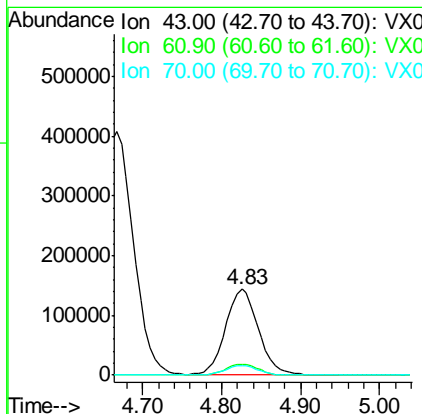
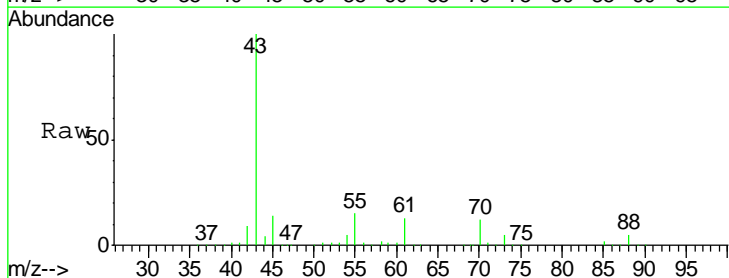
Manual Integrations
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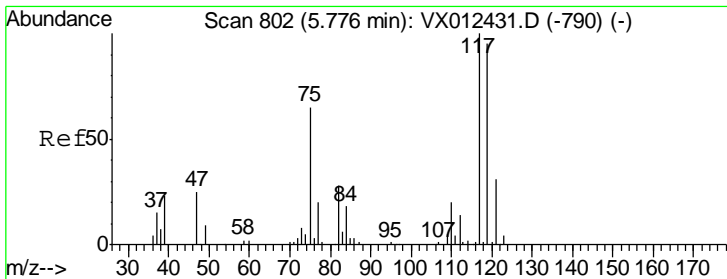
MMDadoda
 9/18/2019 11:22:25 AM



#37
 Ethyl Acetate
 Concen: 166.815 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

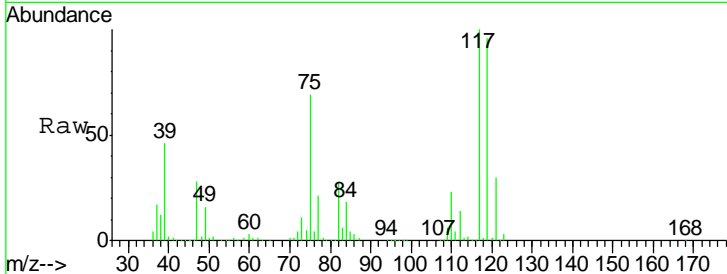
Tgt Ion	Resp	Lower	Upper
43	416239		
43	100		
61	13.1	10.2	15.4
70	11.0	8.7	13.1





#38
 Carbon Tetrachloride
 Concen: 156.960 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

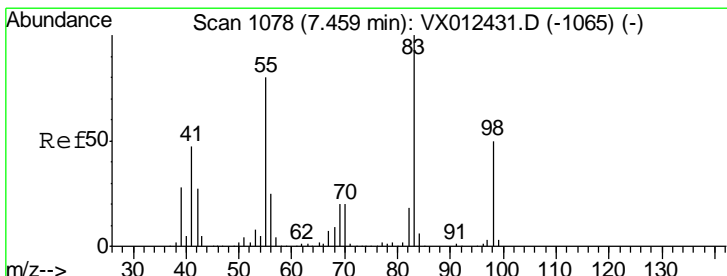
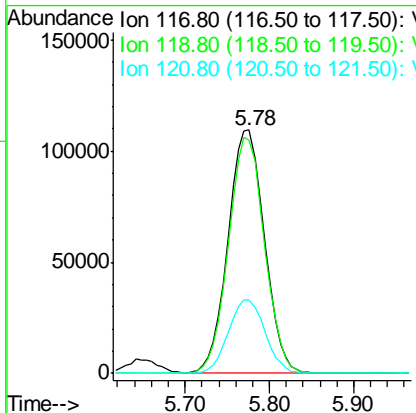
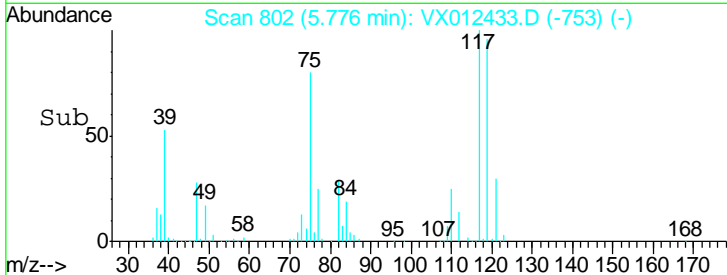
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150



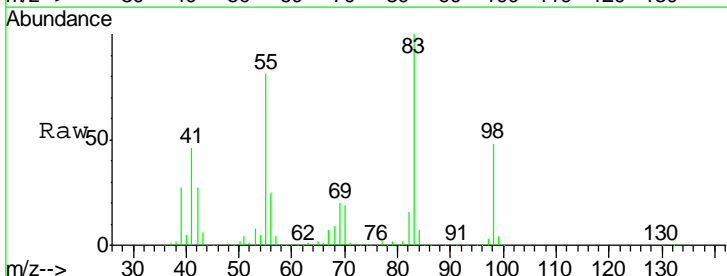
Tgt Ion: 117 Resp: 320778

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.7	113.5
121	30.0	24.2	36.4

Manual Integrations
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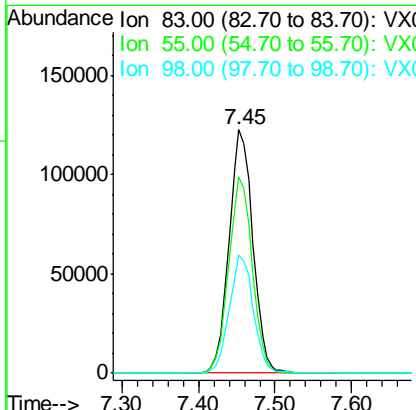
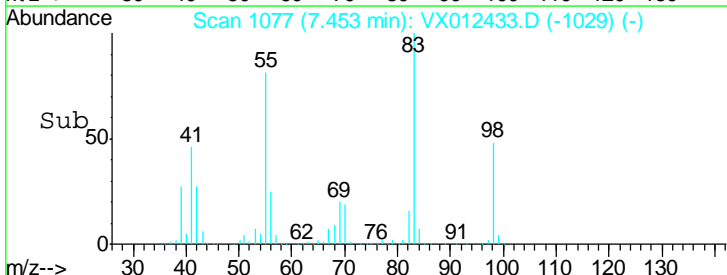


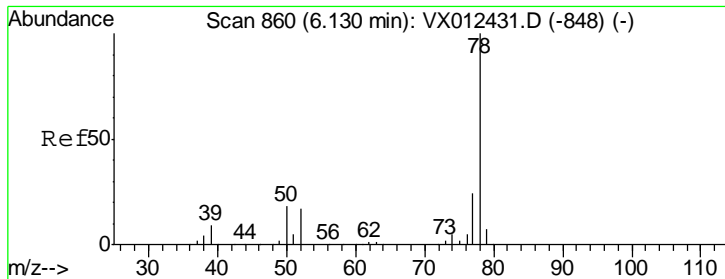
#39
 Methylcyclohexane
 Concen: 166.413 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56



Tgt Ion: 83 Resp: 263088

Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.4	96.6
98	48.4	40.1	60.1





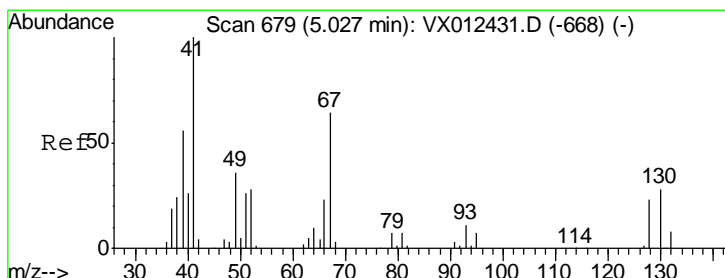
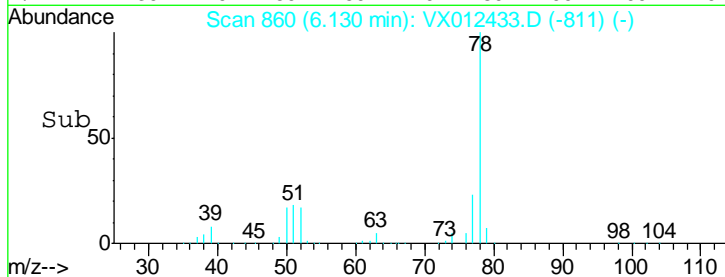
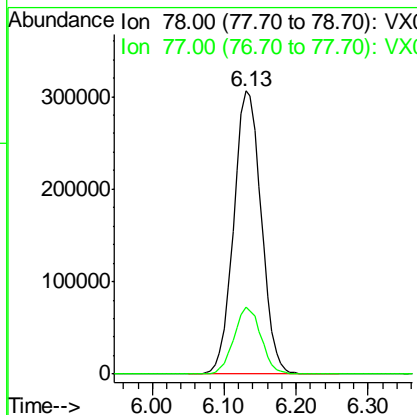
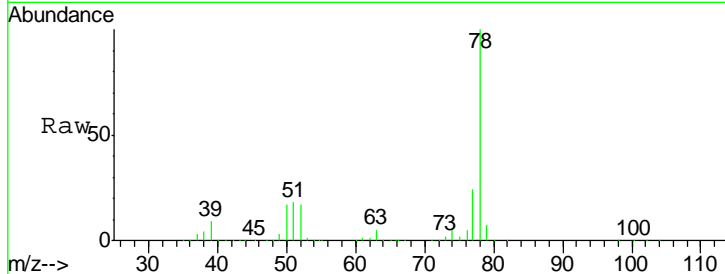
#40
Benzene
Concen: 155.338 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012433.D
Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.6	19.2	28.8

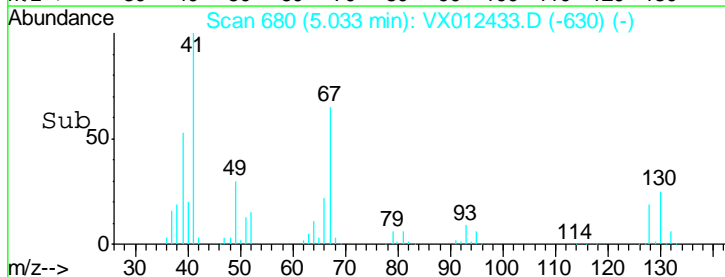
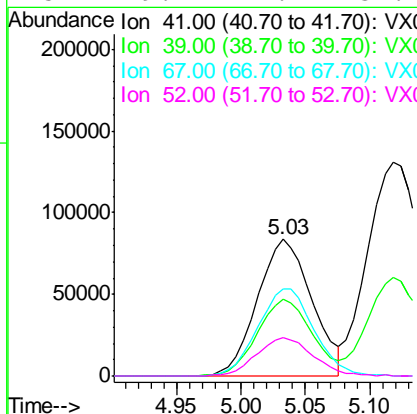
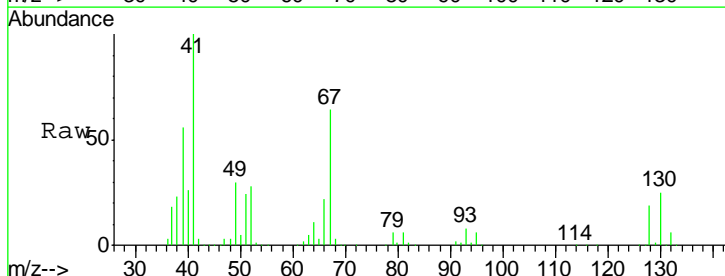
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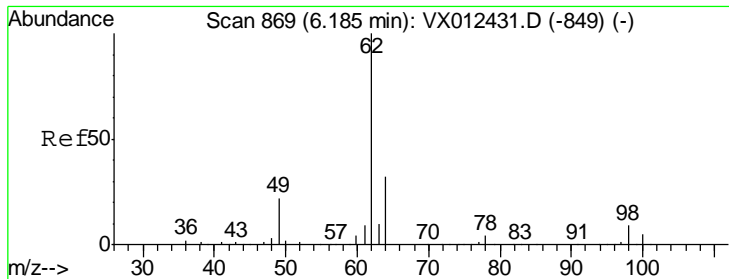
MMDadoda
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#41
Methacrylonitrile
Concen: 150.572 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012433.D
Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.8	46.0	69.0
67	65.6	52.2	78.2
52	29.4	22.7	34.1





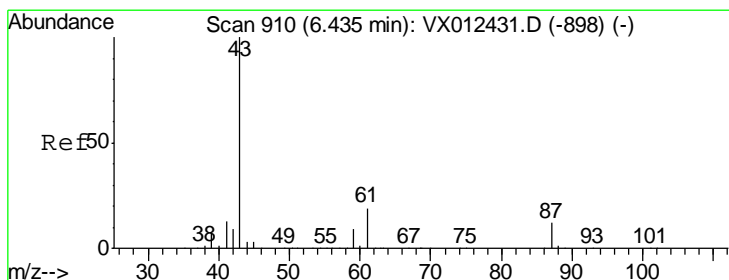
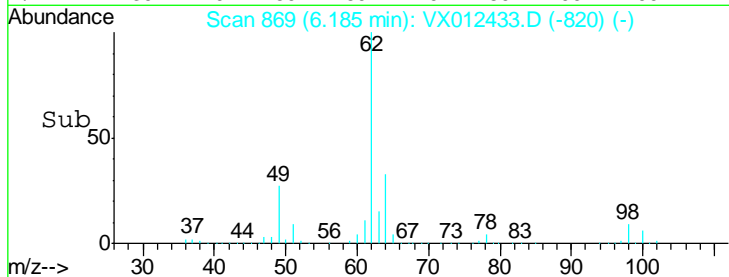
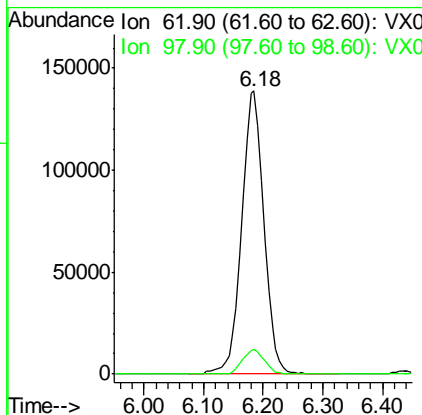
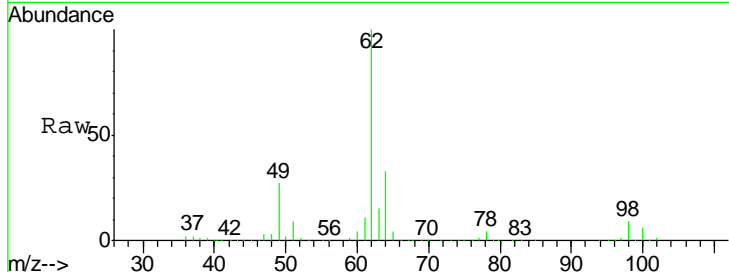
#42
 1,2-Dichloroethane
 Concen: 147.246 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.8	0.0	17.8

Instrument : MSVOA_X
 ClientSampled : VSTDIC150

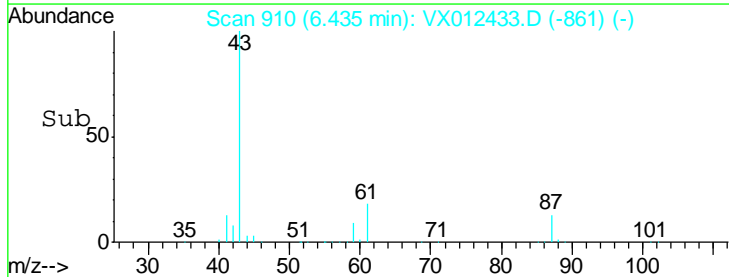
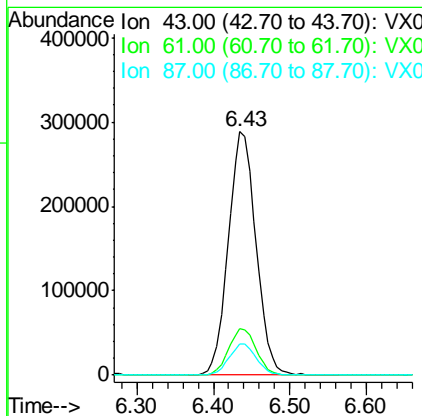
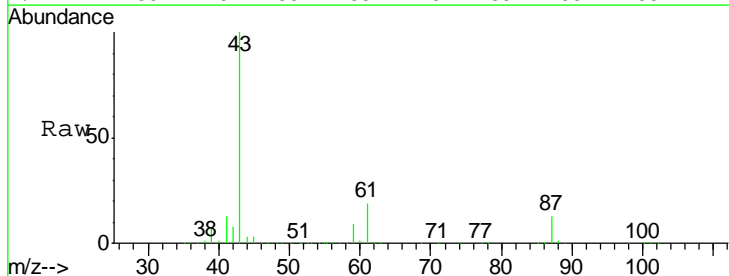
Manual Integrations
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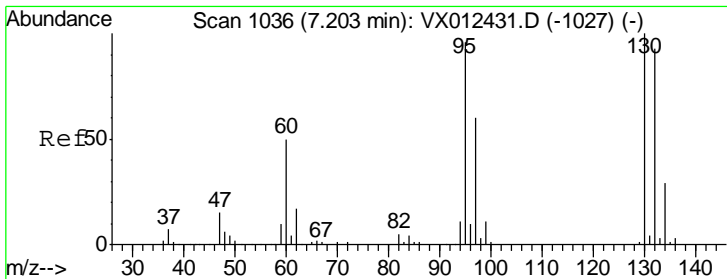
MMDadoda
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#43
 Isopropyl Acetate
 Concen: 159.245 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	12.7	9.8	14.8





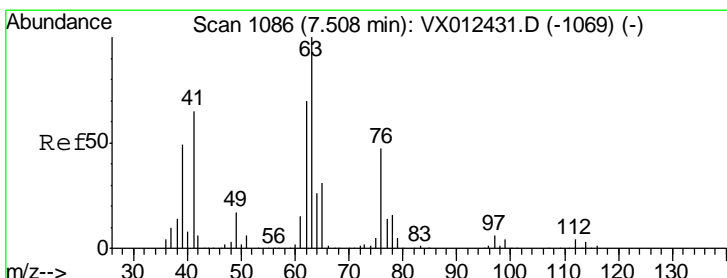
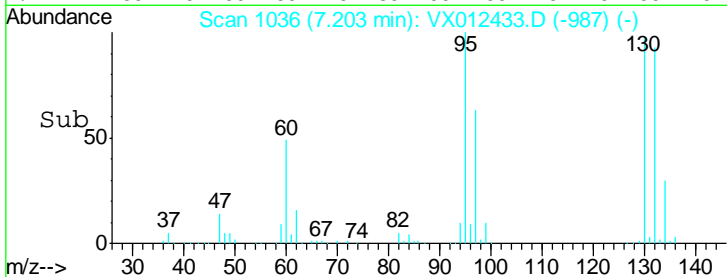
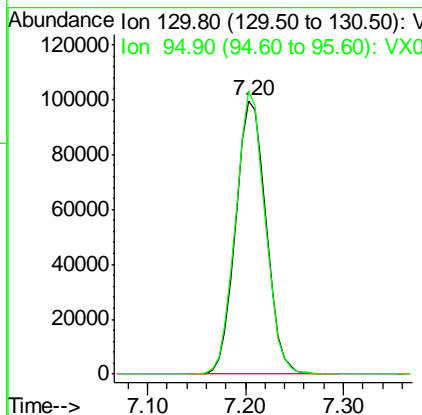
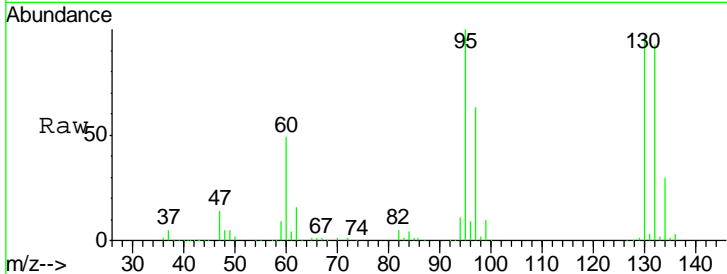
#44
 Trichloroethene
 Concen: 156.076 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
130	100		
95	103.6	0.0	193.0

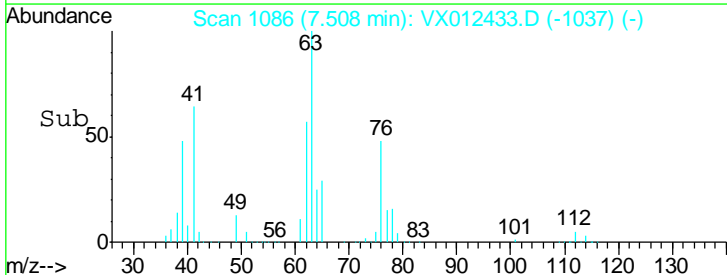
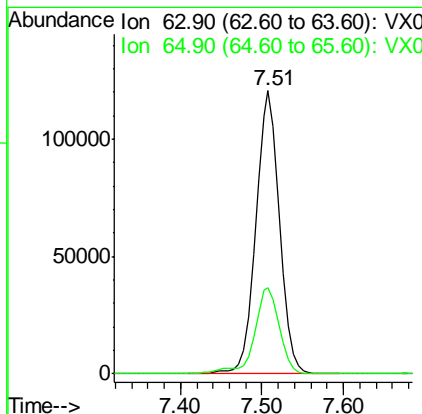
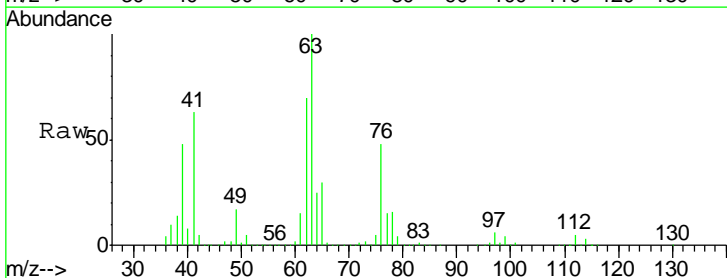
Manual Integrations
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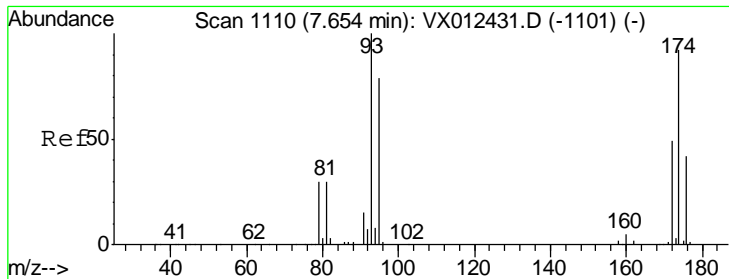
MMDadoda
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#45
 1,2-Dichloropropane
 Concen: 151.244 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.5	25.0	37.6





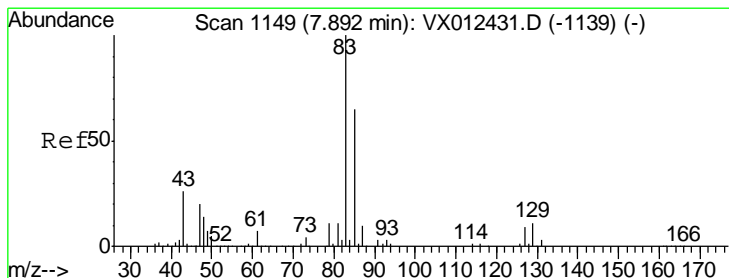
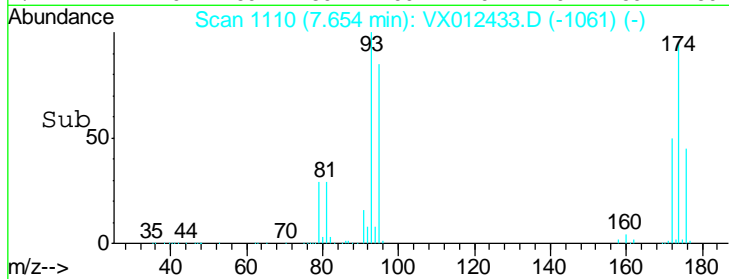
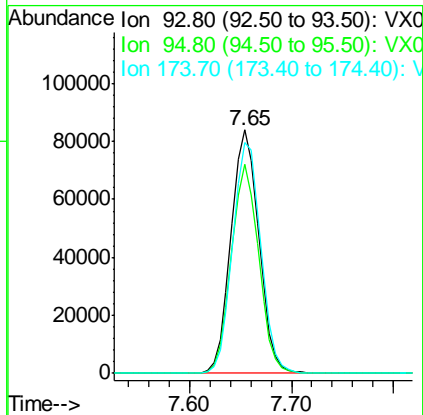
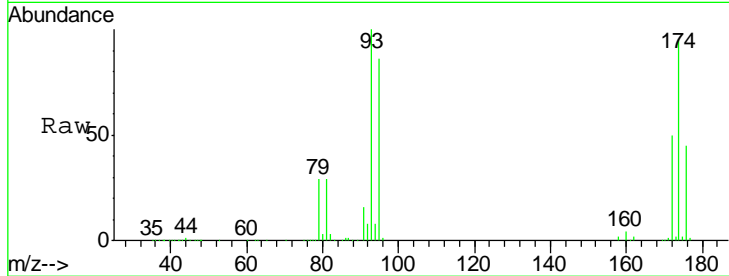
#46
 Dibromomethane
 Concen: 152.478 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
93	159190		
93	100		
95	84.1	66.6	100.0
174	95.5	77.4	116.0

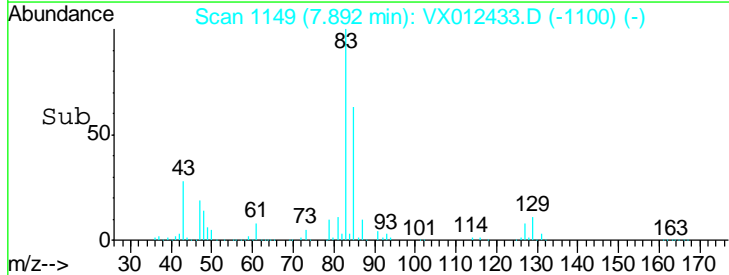
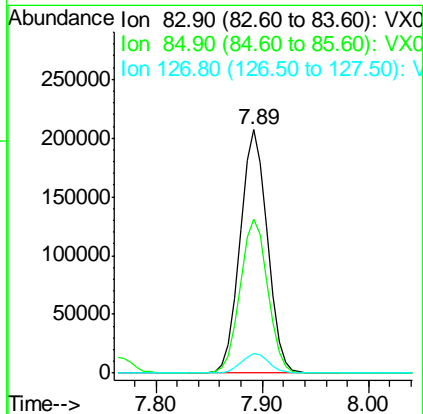
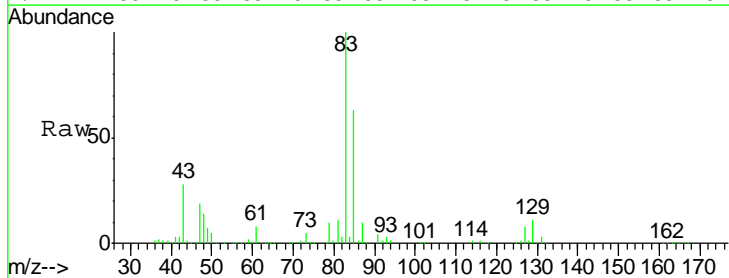
Manual Integrations
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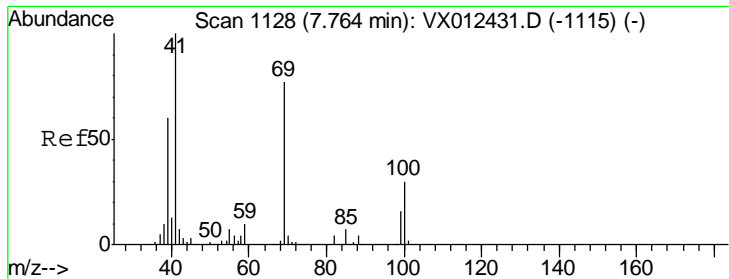
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#47
 Bromodichloromethane
 Concen: 161.567 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
83	371834		
83	100		
85	63.1	51.8	77.6
127	8.3	7.3	10.9





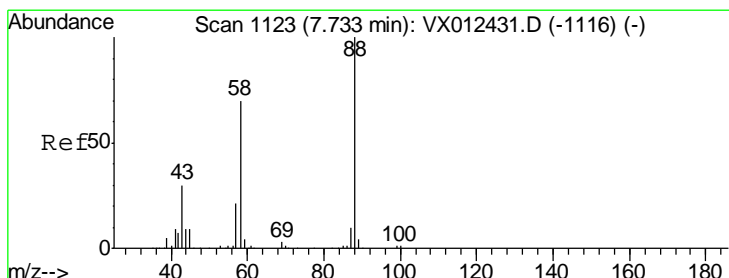
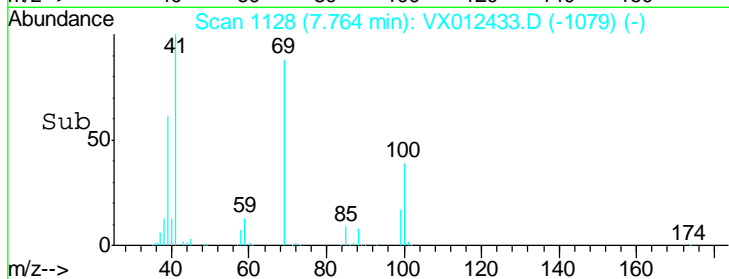
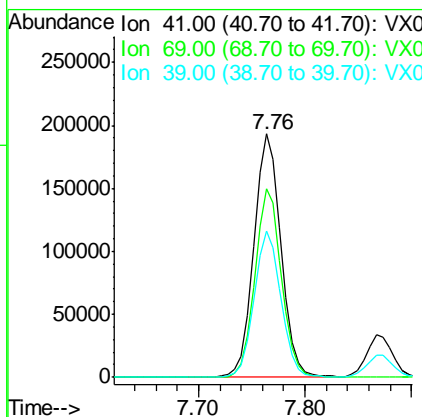
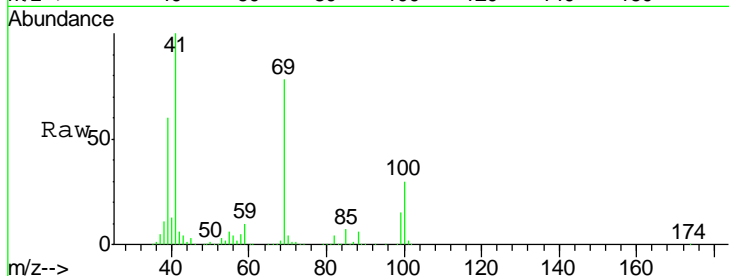
#48
 Methyl methacrylate
 Concen: 161.971 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
41	100		
69	76.3	59.9	89.9
39	59.6	47.8	71.6

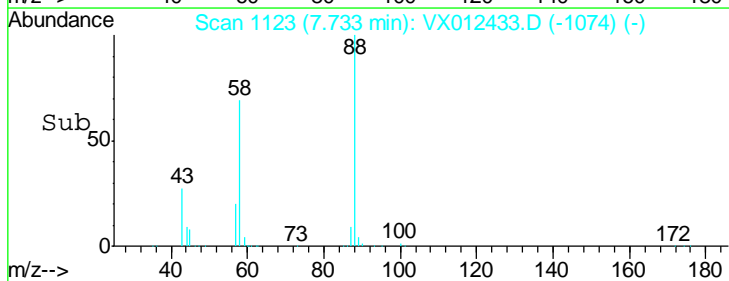
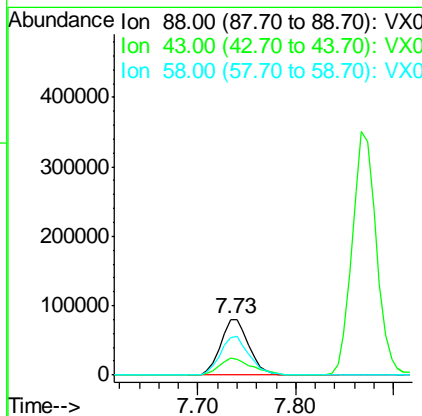
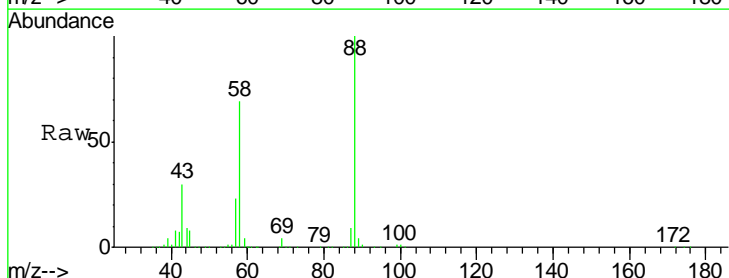
Manual Integrations
 APPROVED

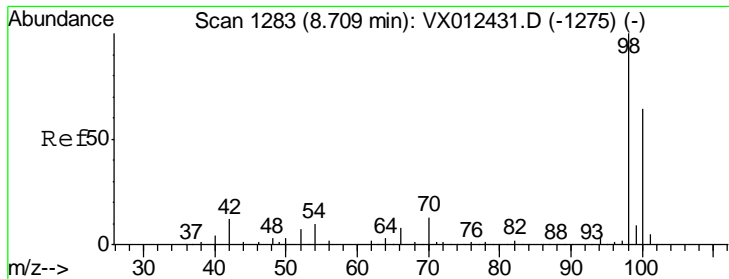
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#49
 1,4-Dioxane
 Concen: 3067.487 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
88	100		
43	34.5	29.4	44.0
58	71.2	57.5	86.3





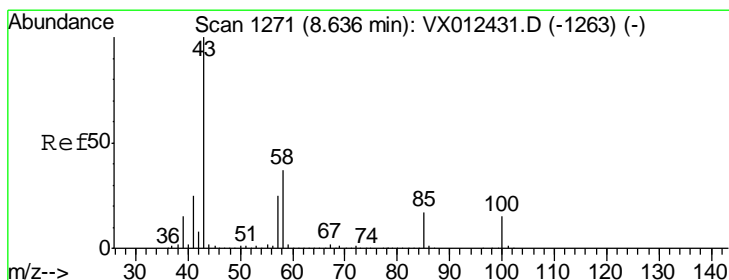
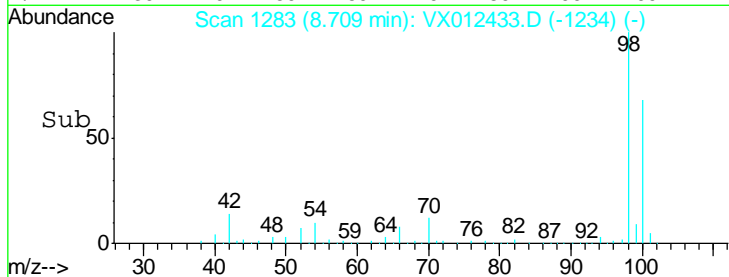
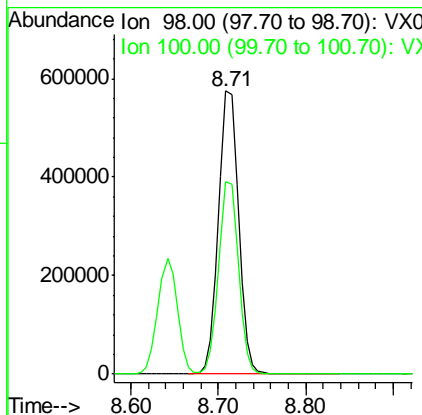
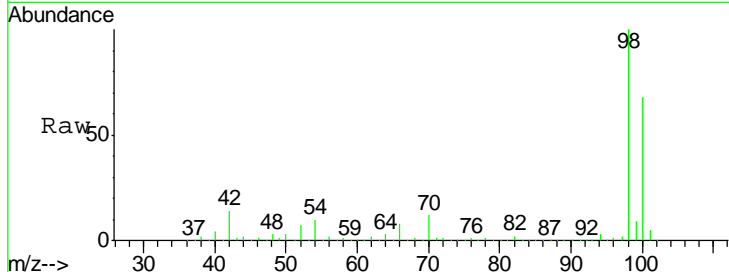
#50
 Toluene-d8
 Concen: 150.250 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
98	100		
100	67.4	53.4	80.2

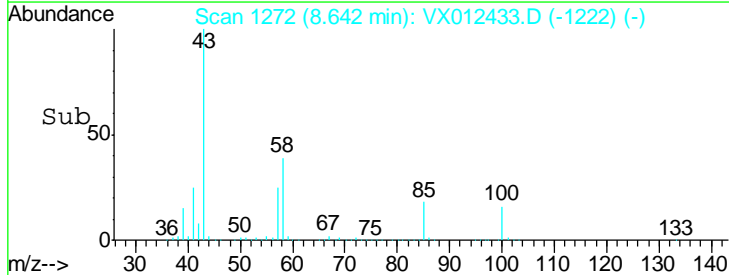
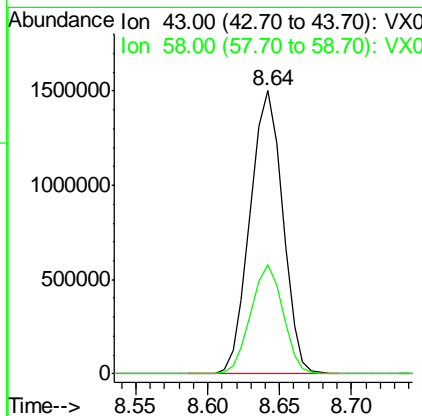
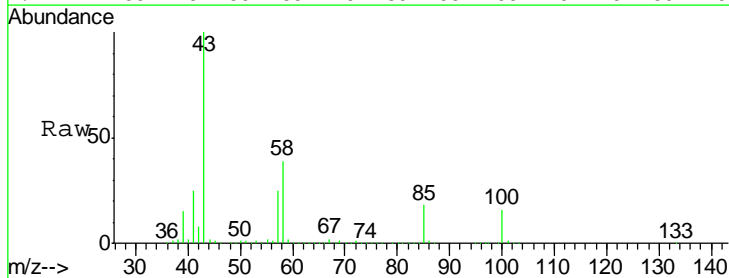
Manual Integrations
 APPROVED

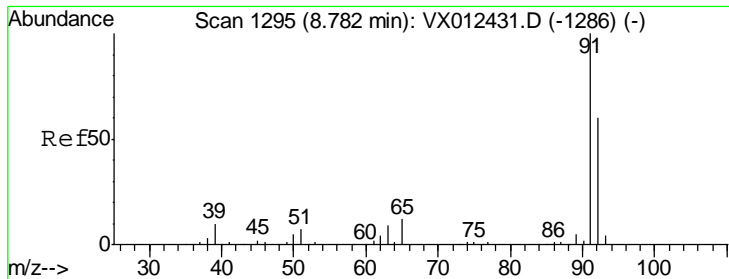
MMDadoda
 9/18/2019 11:22:25 AM



#51
 4-Methyl-2-Pentanone
 Concen: 796.625 ug/l
 RT: 8.64 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.1	29.8	44.6





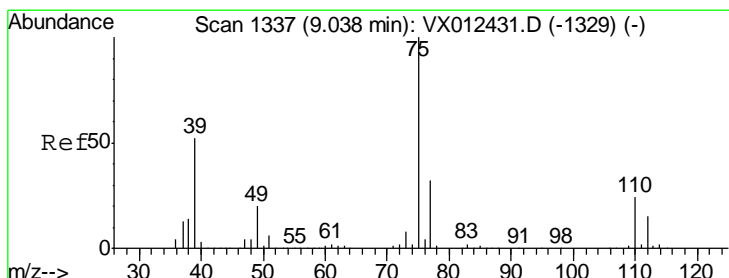
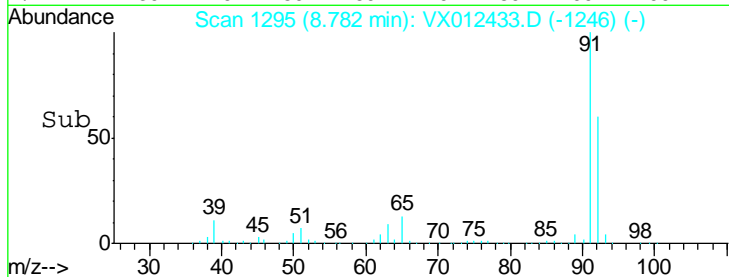
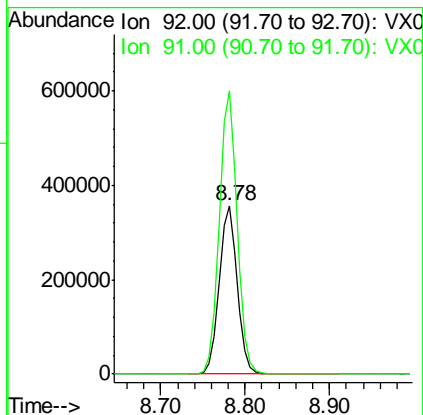
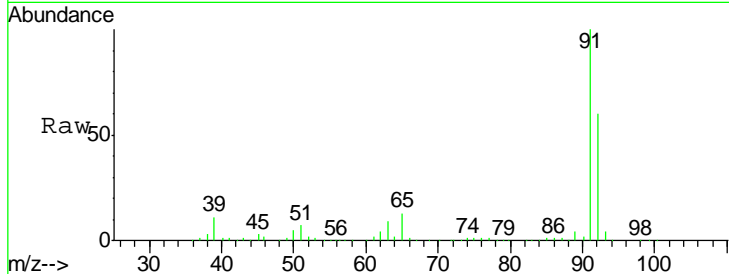
#52
 Toluene
 Concen: 156.709 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
92	527792		
92	100		
91	167.5	135.4	203.0

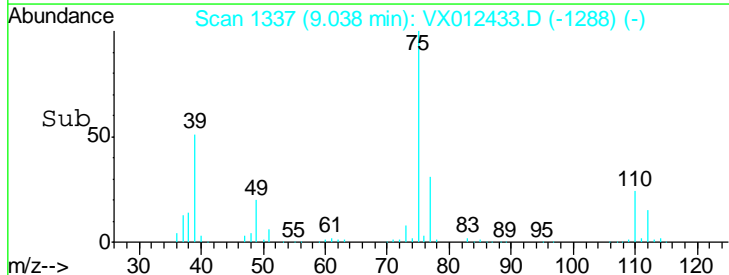
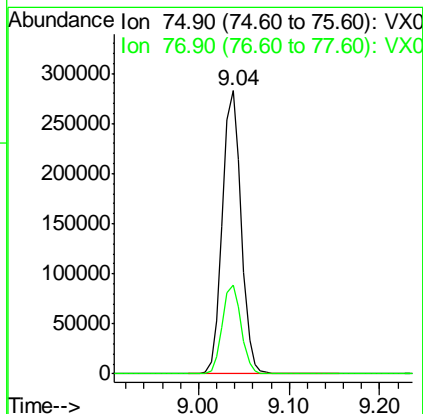
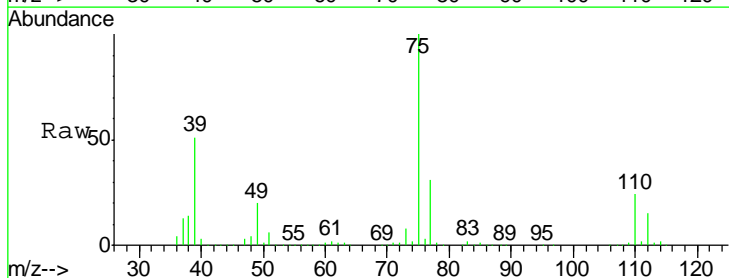
Manual Integrations
 APPROVED

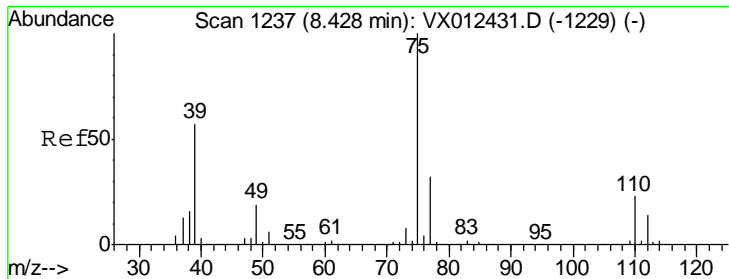
MMDadoda
 9/18/2019 11:22:25 AM



#53
 t-1,3-Dichloropropene
 Concen: 172.739 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
75	408244		
75	100		
77	31.3	25.2	37.8





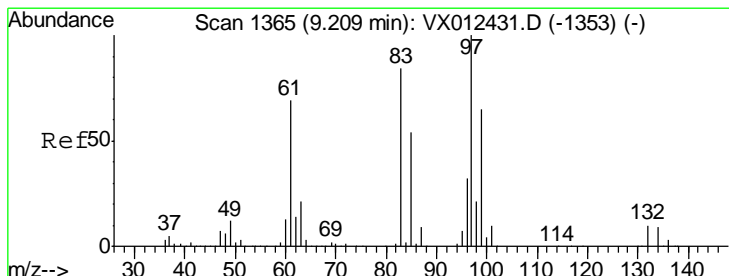
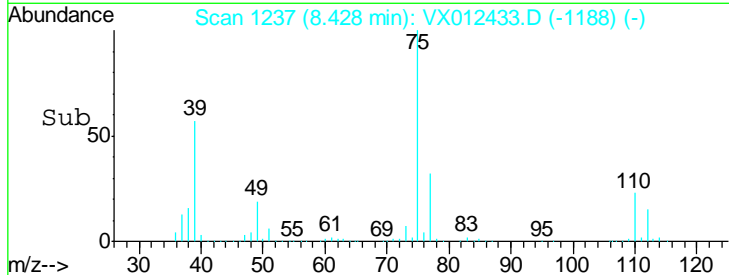
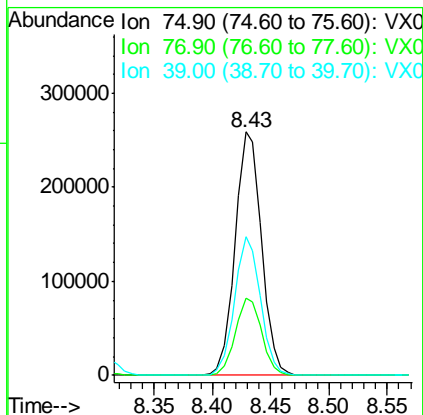
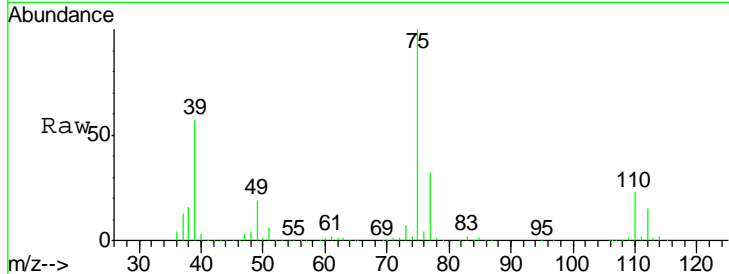
#54
 cis-1,3-Dichloropropene
 Concen: 166.127 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	409401		
75	100		
77	31.8	25.8	38.8
39	57.1	45.5	68.3

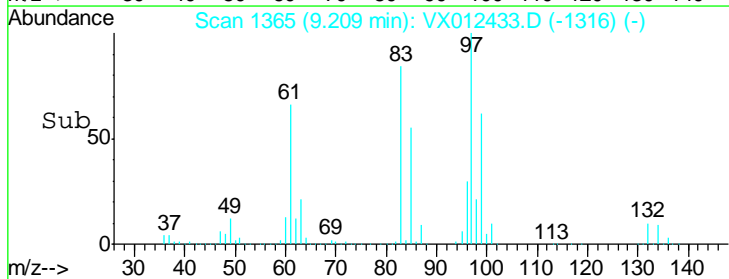
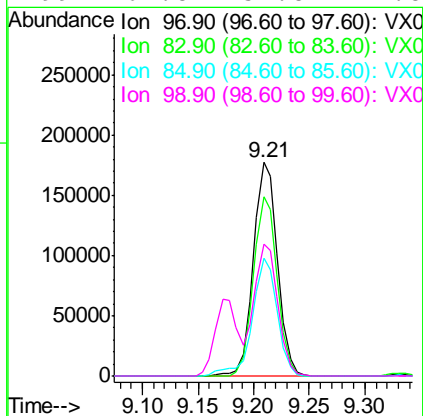
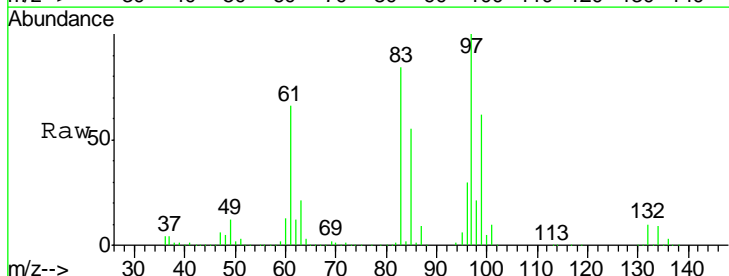
Manual Integrations
 APPROVED

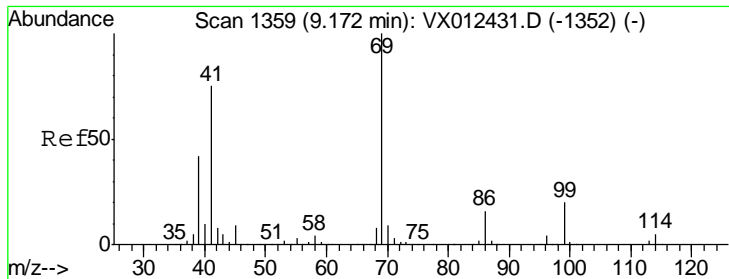
MMDadoda
 9/18/2019 11:22:25 AM



#55
 1,1,2-Trichloroethane
 Concen: 153.462 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
97	267238		
97	100		
83	83.9	67.4	101.2
85	55.1	43.5	65.3
99	61.8	51.8	77.8





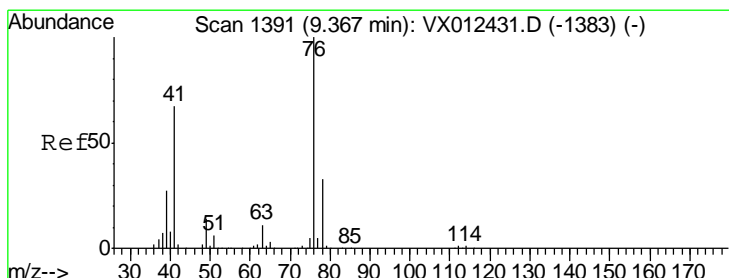
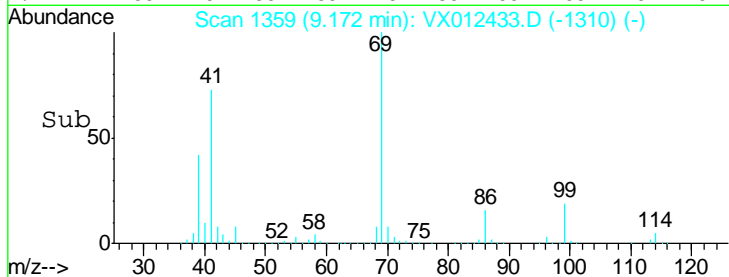
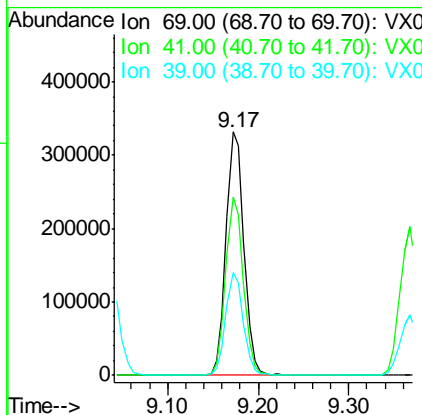
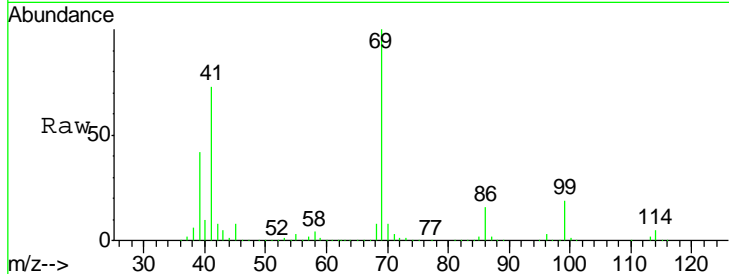
#56
Ethyl methacrylate
Concen: 171.198 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX012433.D
Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
69	100		
41	72.5	58.4	87.6
39	41.4	33.4	50.0

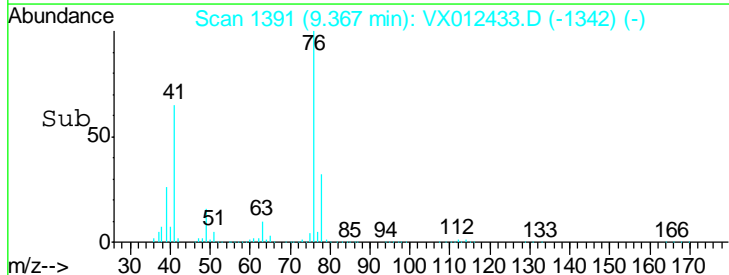
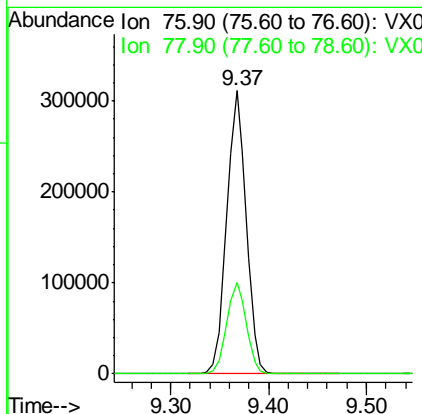
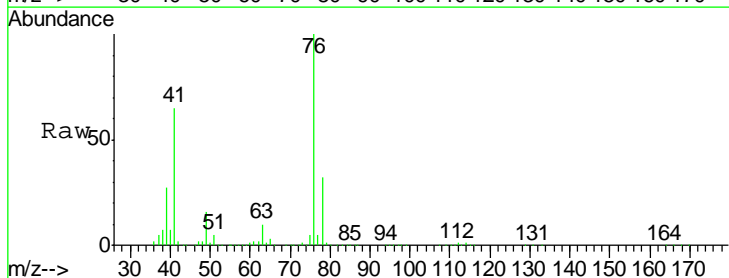
Manual Integrations
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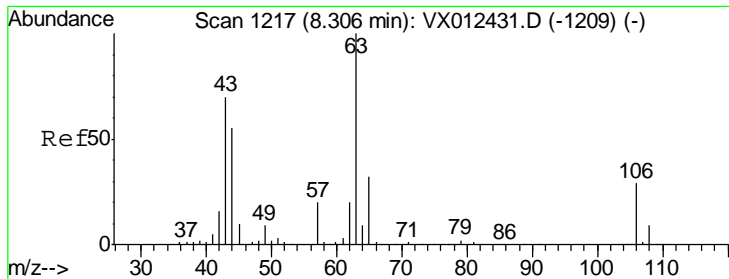
MMDadoda
9/18/2019 11:22:25 AM



#57
1,3-Dichloropropane
Concen: 155.171 ug/l
RT: 9.37 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX012433.D
Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
76	100		
78	32.7	26.2	39.2





#58
 2-Chloroethyl Vinyl ether
 Concen: 817.740 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

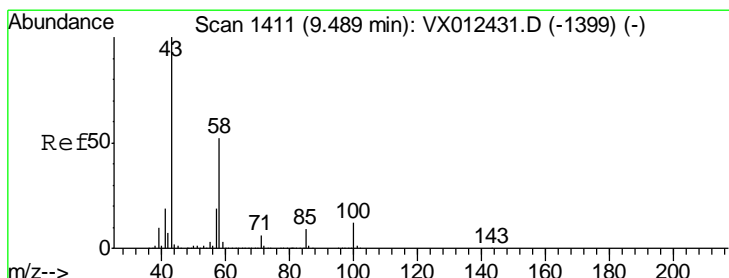
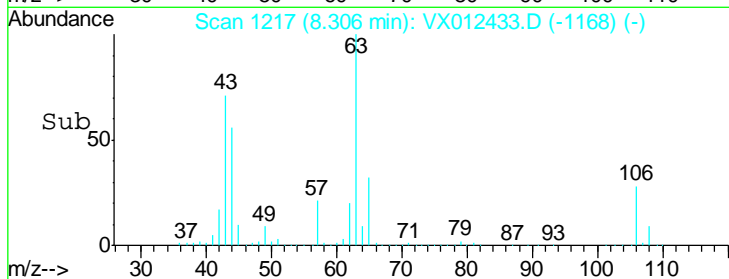
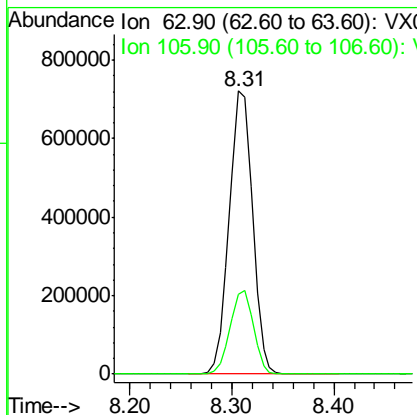
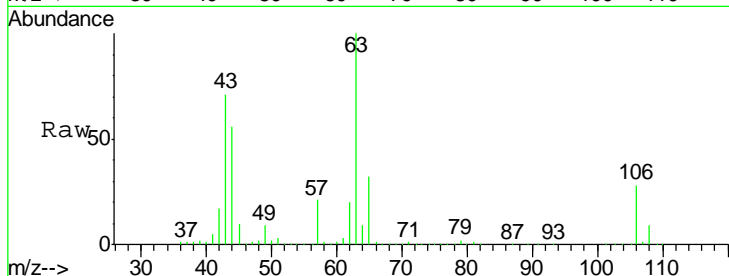
Instrument : MSVOA_X
 ClientSampled : VSTDIC150

Tgt Ion: 63 Resp: 1139764

Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.8	35.6

Manual Integrations
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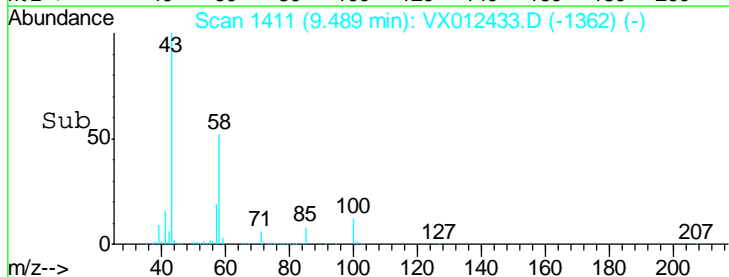
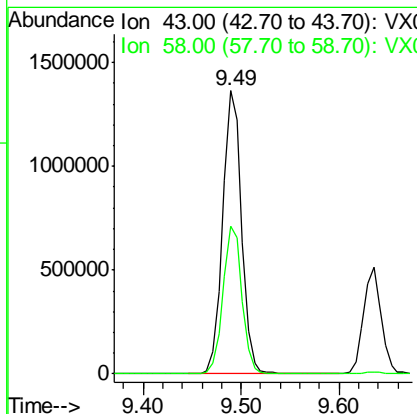
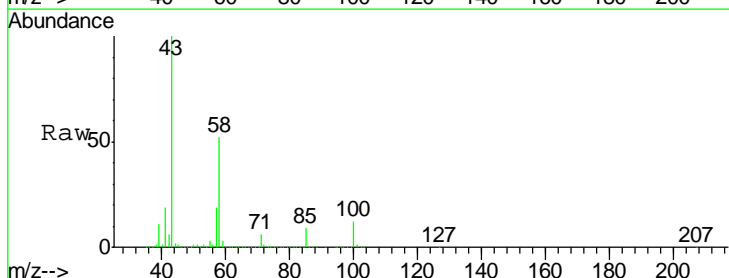
MMDadoda
 9/18/2019 11:22:25 AM

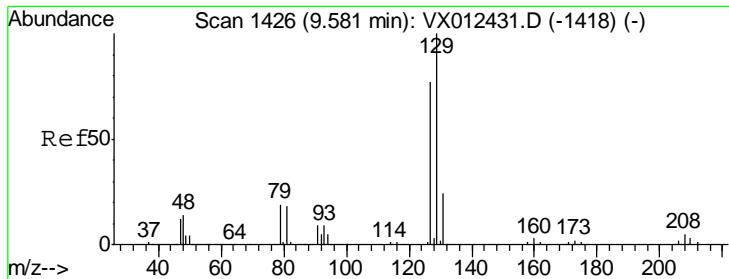


#59
 2-Hexanone
 Concen: 785.112 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion: 43 Resp: 1818338

Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.7	77.1



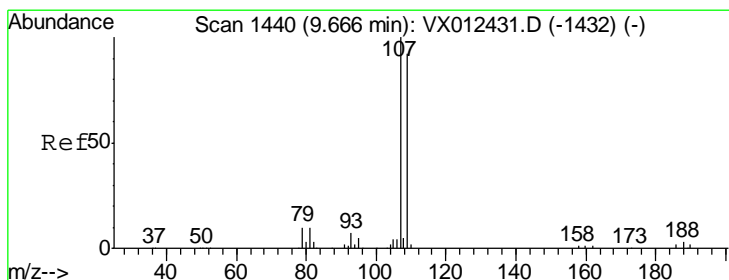
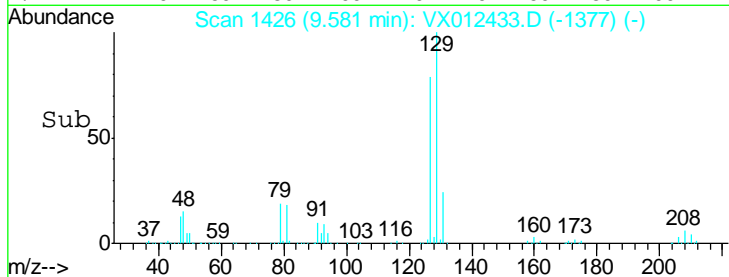
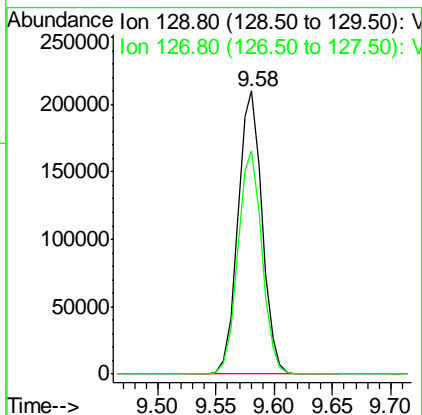
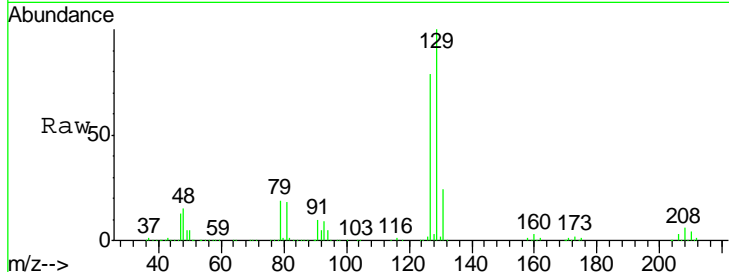


#60
 Dibromochloromethane
 Concen: 175.469 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
129	100		
127	78.6	38.9	116.6

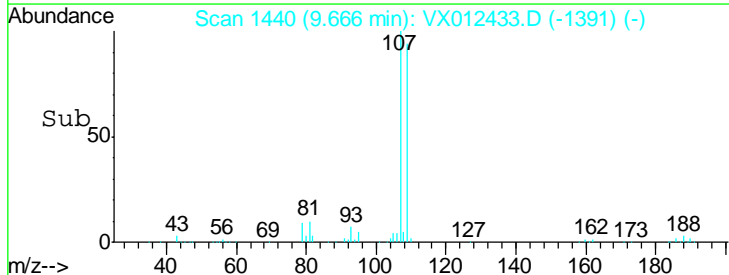
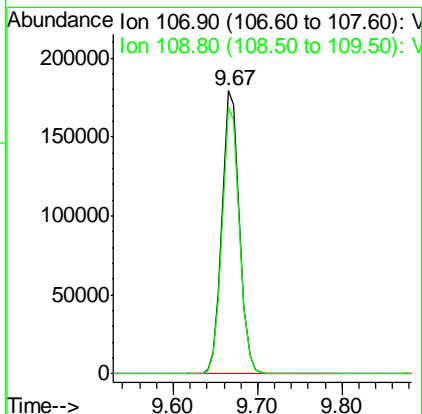
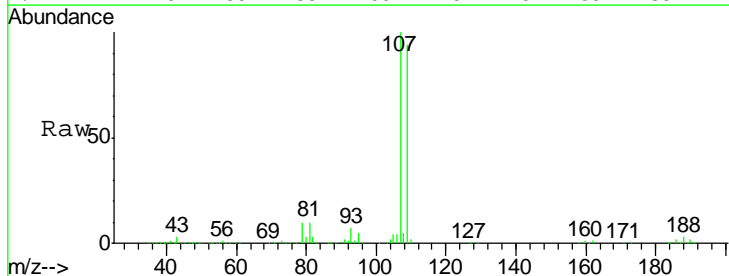
Instrument : MSVOA_X
 Client Sampled : VSTDIC150

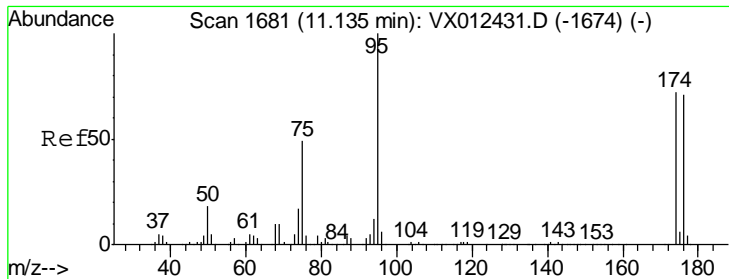
Manual Integrations APPROVED
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#61
 1,2-Dibromoethane
 Concen: 162.182 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.1	74.7	112.1





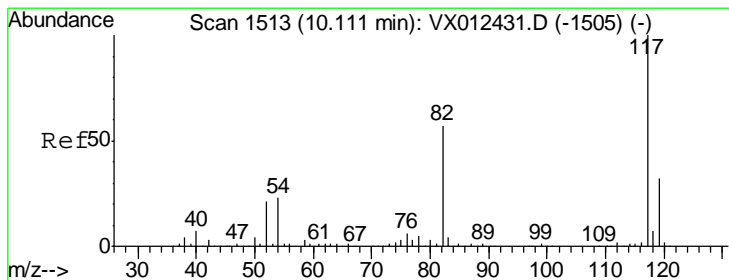
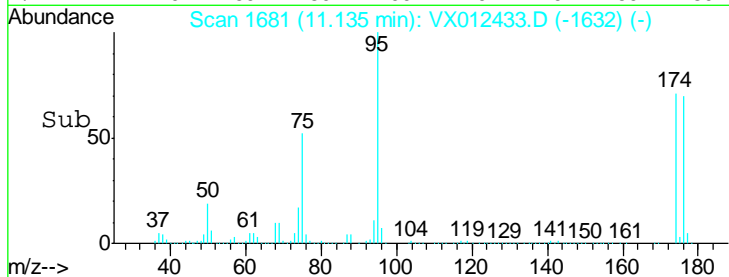
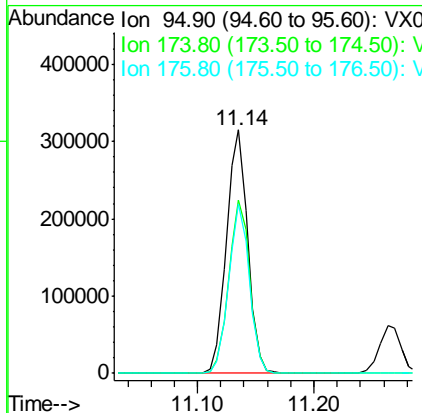
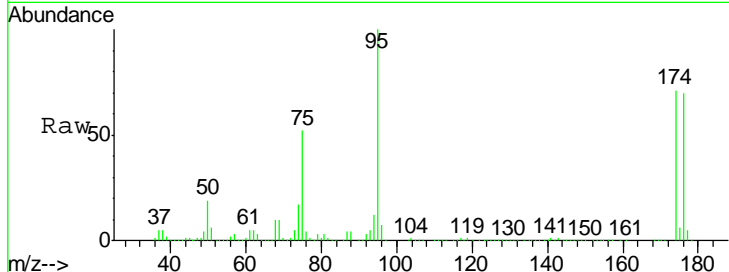
#62
 4-Bromofluorobenzene
 Concen: 158.686 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
95	397581		
95	100		
174	71.2	0.0	140.0
176	68.1	0.0	135.4

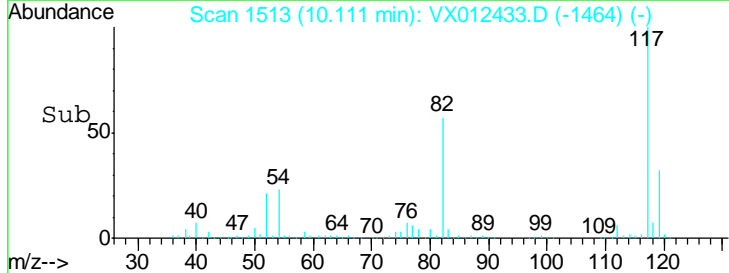
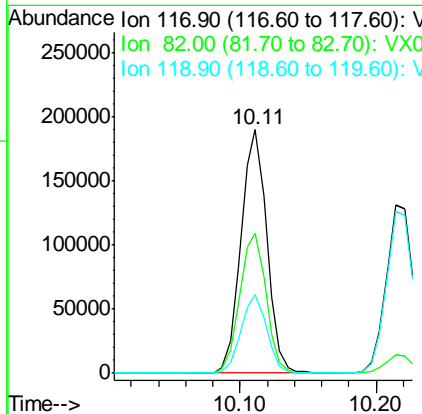
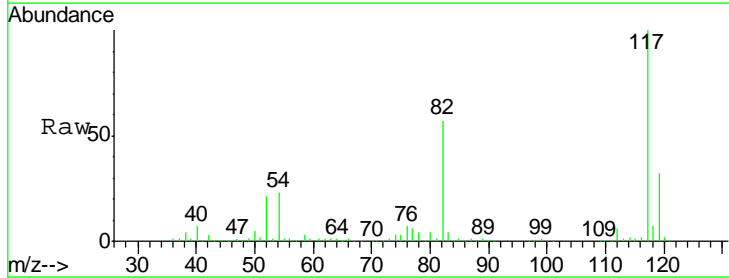
Manual Integrations
 APPROVED

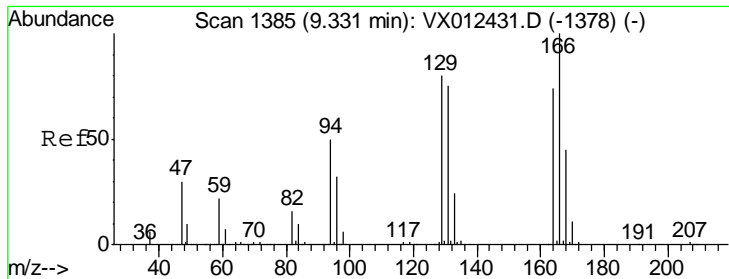
MMDadoda
 9/18/2019 11:22:25 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

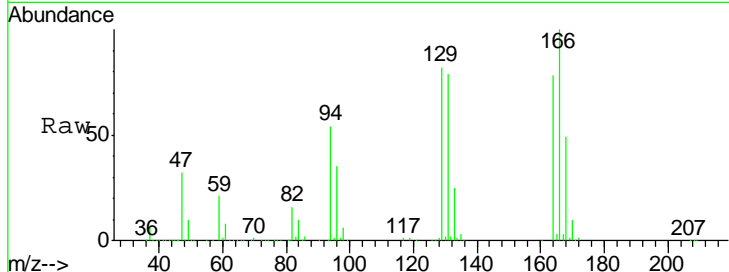
Tgt Ion	Resp	Lower	Upper
117	251155		
117	100		
82	57.2	45.9	68.9
119	32.2	25.3	37.9





#64
 Tetrachloroethene
 Concen: 145.359 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

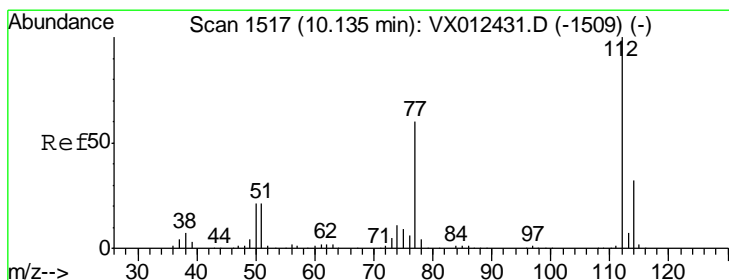
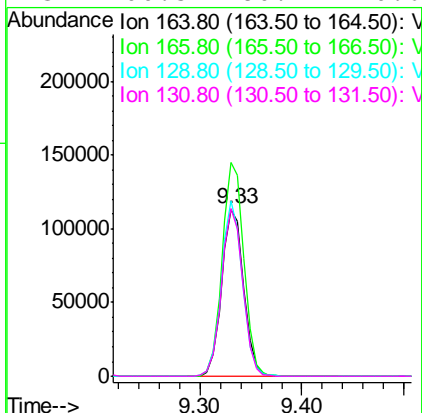
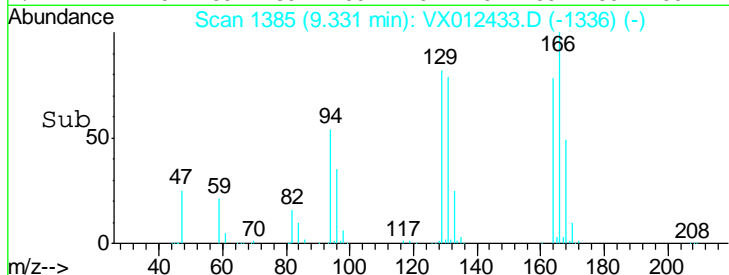
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150



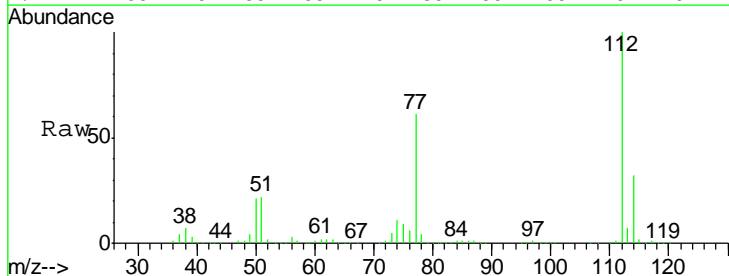
Tgt Ion:164 Resp: 168159

Ion	Ratio	Lower	Upper
164	100		
166	128.1	107.8	161.6
129	105.4	86.2	129.2
131	100.5	80.4	120.6

Manual Integrations
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 MMDadoda
 9/18/2019 11:22:25 AM

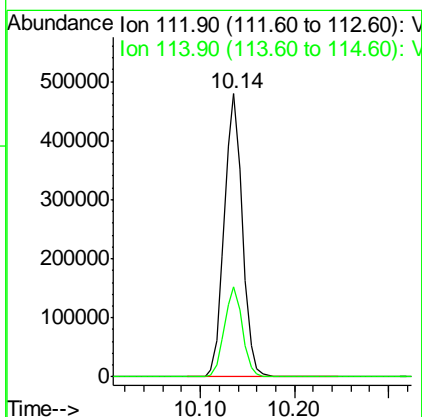
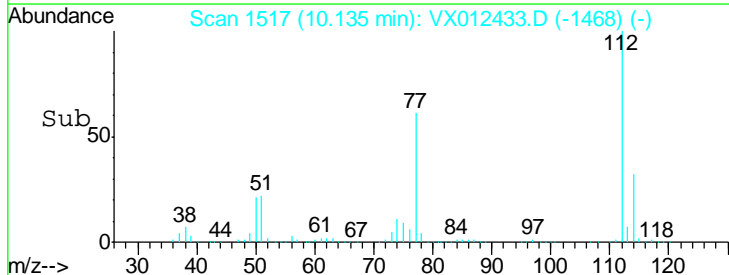


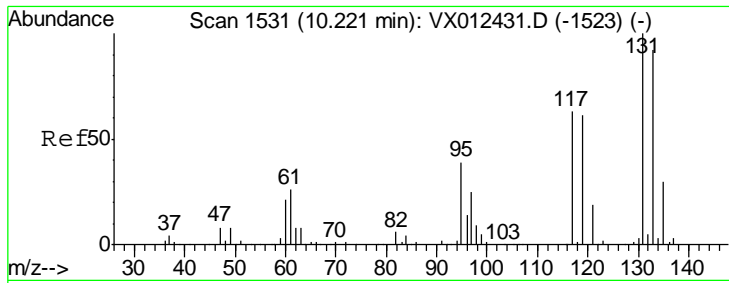
#65
 Chlorobenzene
 Concen: 154.585 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56



Tgt Ion:112 Resp: 637552

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.0





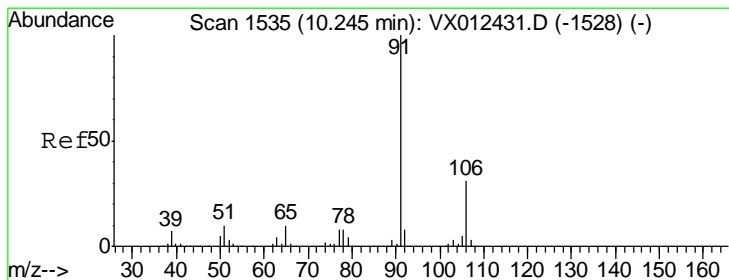
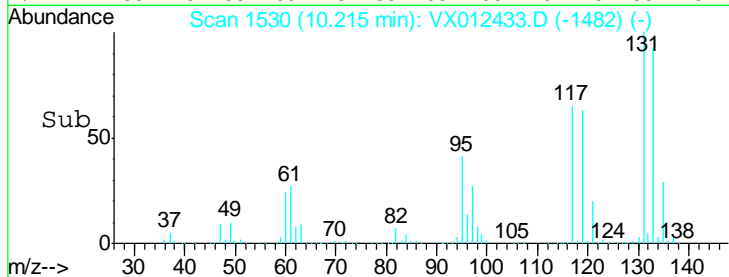
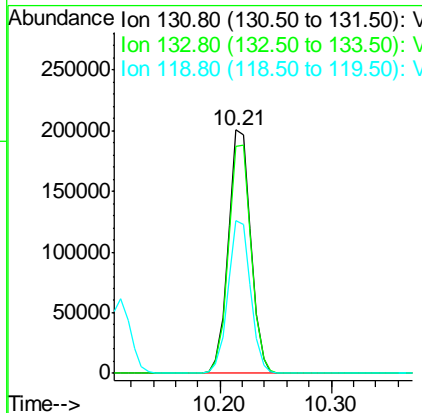
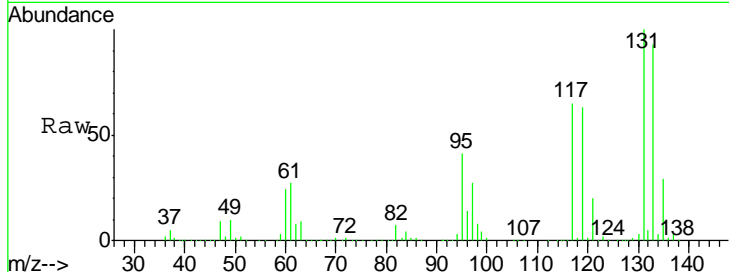
#66
 1,1,1,2-Tetrachloroethane
 Concen: 164.083 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.0	47.6	142.9
119	63.1	31.3	93.8

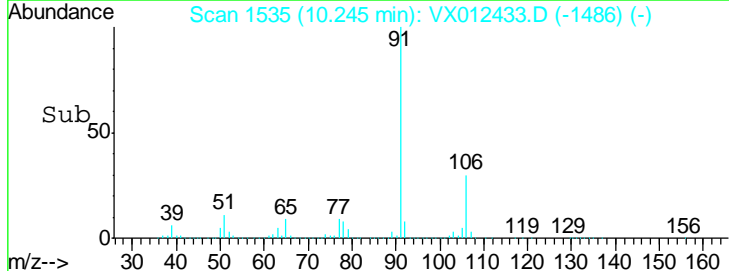
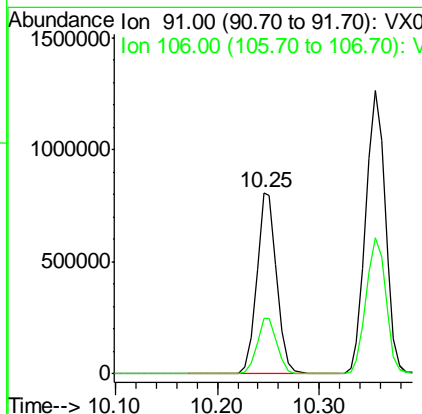
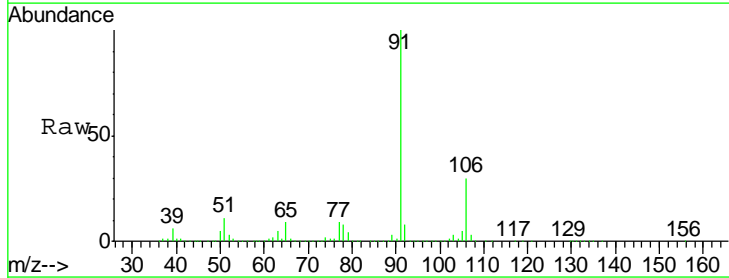
Manual Integrations
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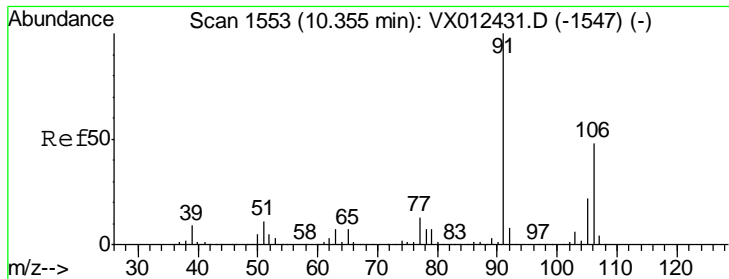
MMDadoda
 9/18/2019 11:22:25 AM



#67
 Ethyl Benzene
 Concen: 156.472 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.5	24.6	37.0





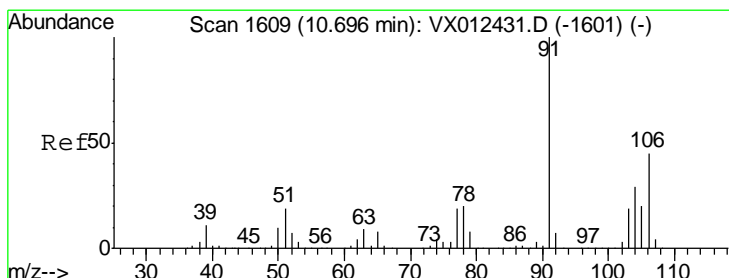
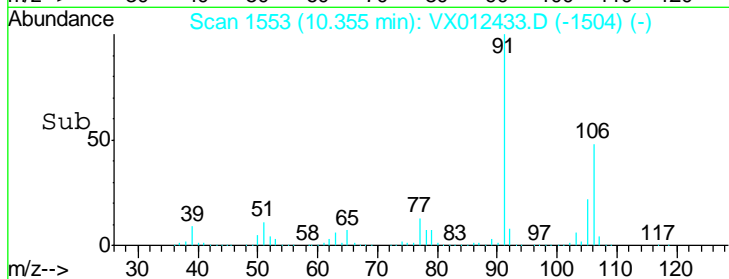
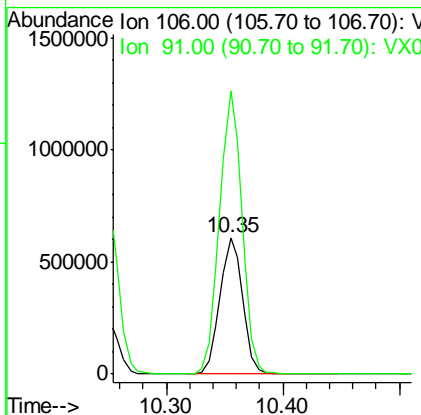
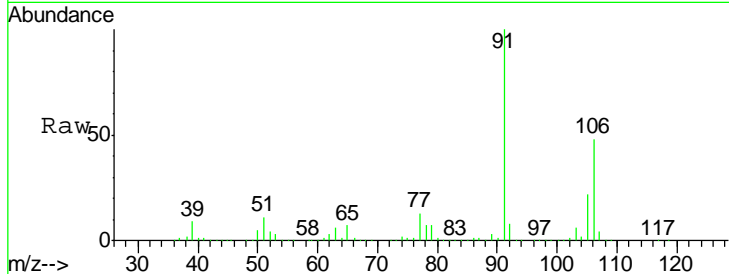
#68
 m/p-Xylenes
 Concen: 319.478 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
106	818999		
106	100		
91	206.6	166.6	250.0

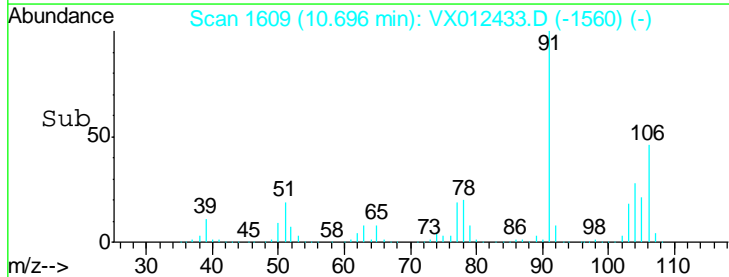
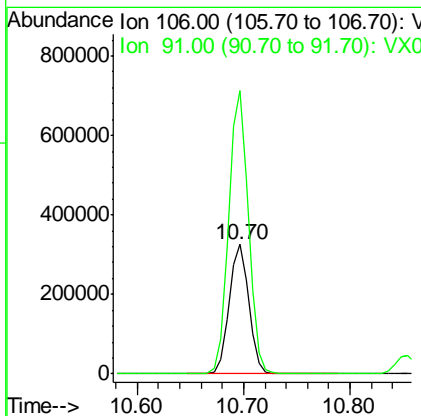
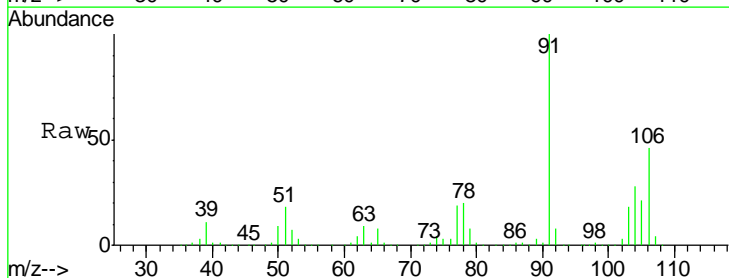
Manual Integrations
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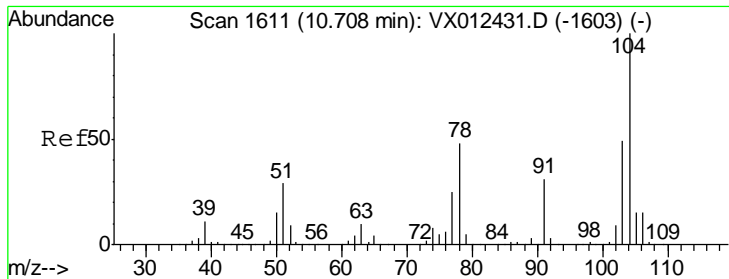
MMDadoda
 9/18/2019 11:22:25 AM



#69
 o-Xylene
 Concen: 160.339 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
106	422438		
106	100		
91	219.0	109.4	328.2





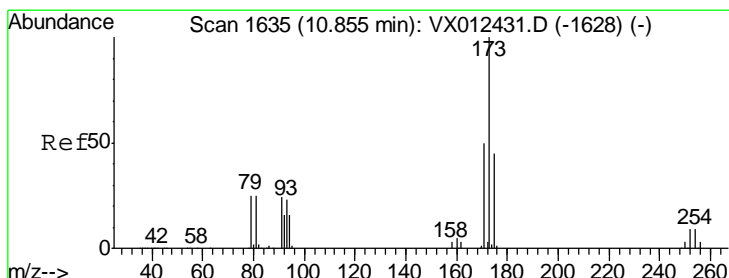
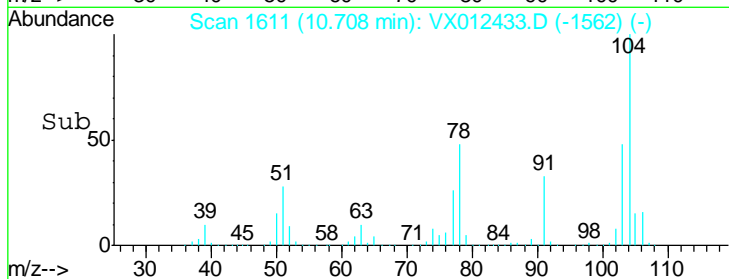
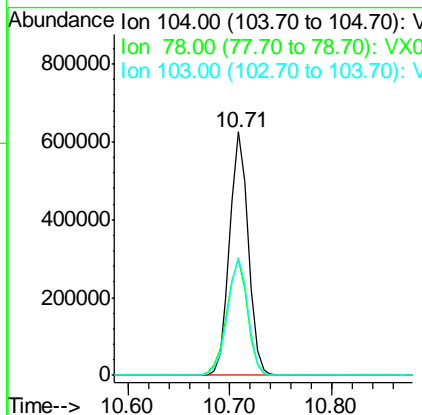
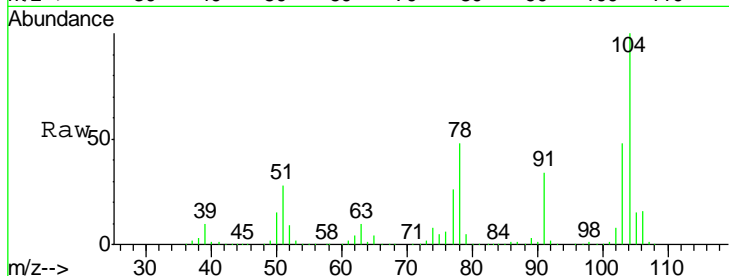
#70
 Styrene
 Concen: 170.865 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
104	100		
78	53.1	43.4	65.2
103	52.9	43.3	64.9

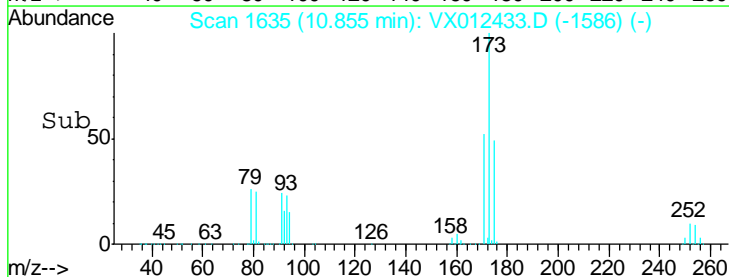
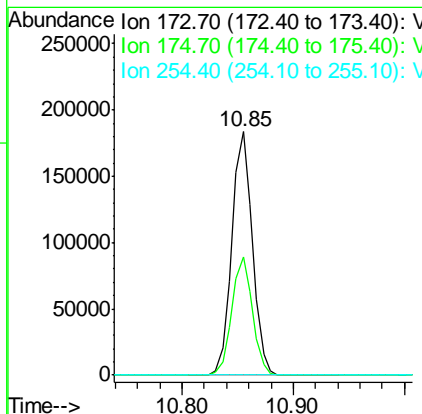
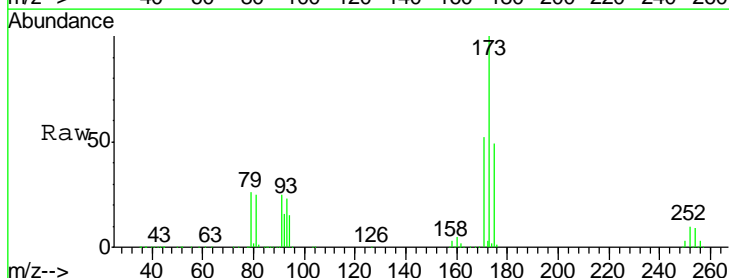
Manual Integrations
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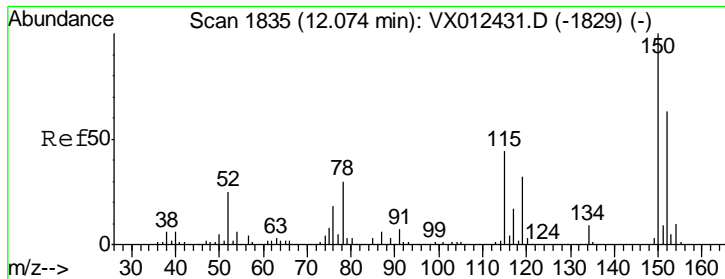
MMDadoda
 9/18/2019 11:22:25 AM



#71
 Bromoform
 Concen: 190.061 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.6	23.7	71.1
254	0.1	0.1	0.1#





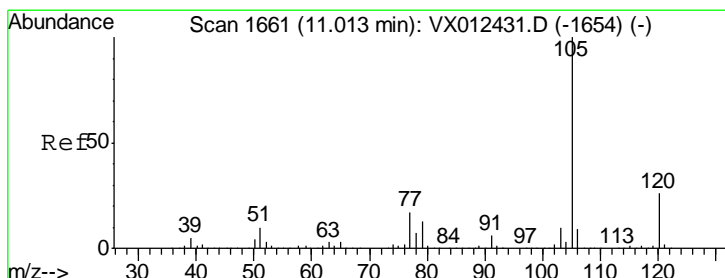
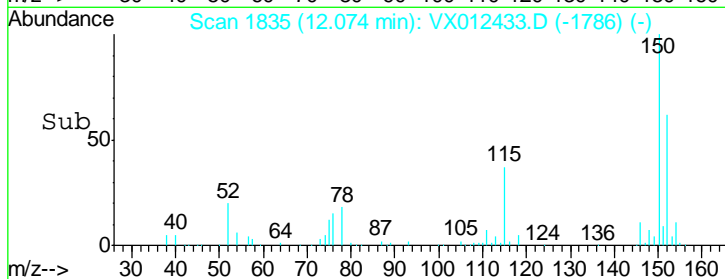
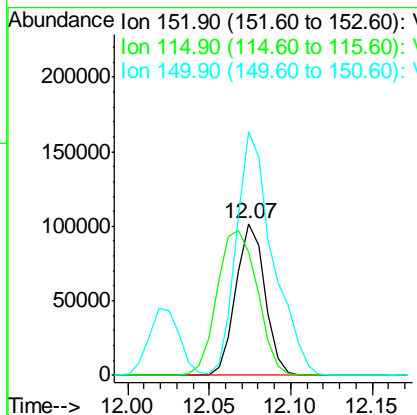
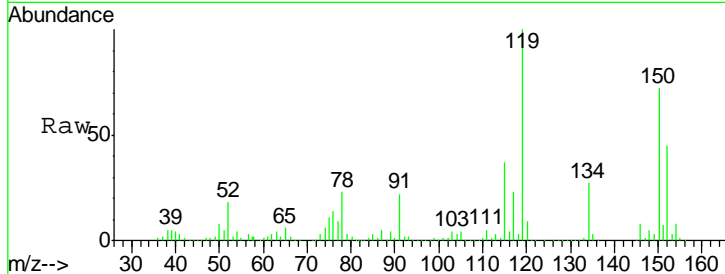
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
152	125987		
152	100		
115	132.4	44.1	132.3#
150	201.5	0.0	343.8

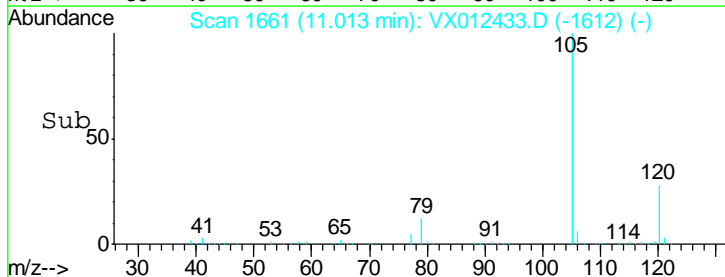
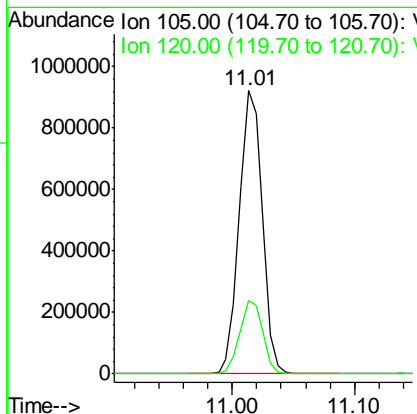
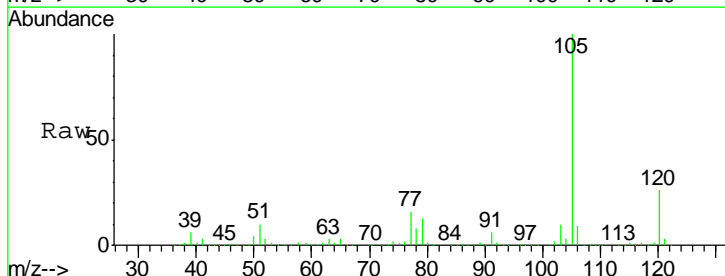
Manual Integrations
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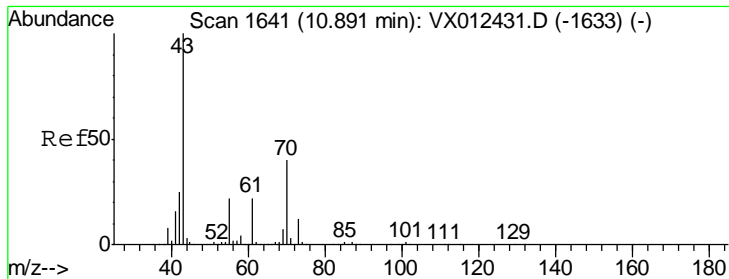
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#73
 Isopropylbenzene
 Concen: 151.007 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

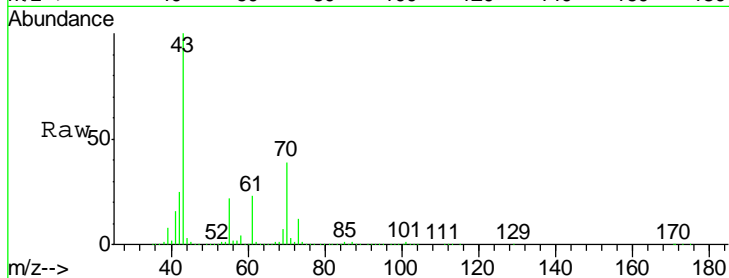
Tgt Ion	Resp	Lower	Upper
105	1192368		
105	100		
120	26.0	12.9	38.7





#74
 N-amyl acetate
 Concen: 160.645 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

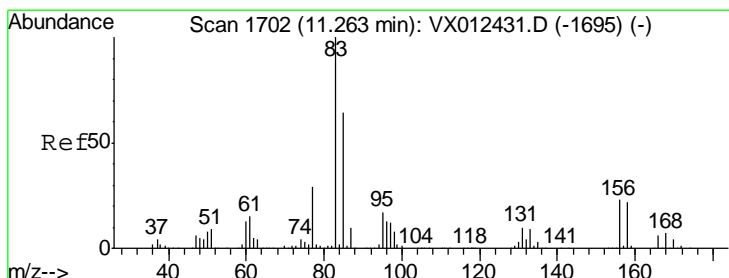
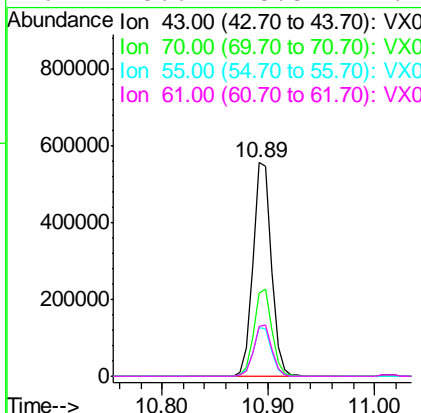
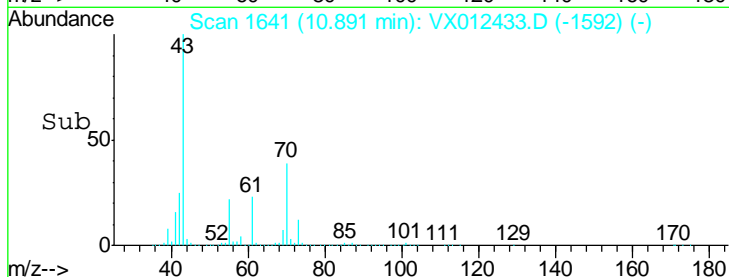
Instrument : MSVOA_X
 ClientSampled : VSTDIC150



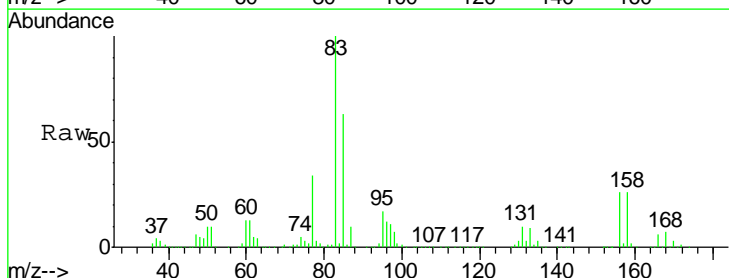
Tgt Ion: 43 Resp: 675693

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.4	48.6
55	22.6	18.2	27.4
61	23.6	18.5	27.7

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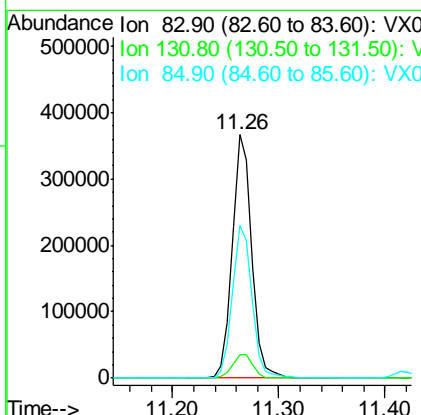
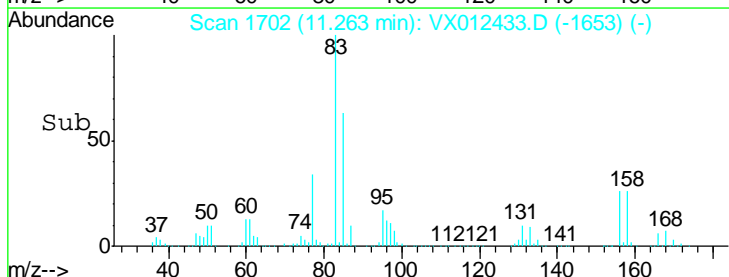


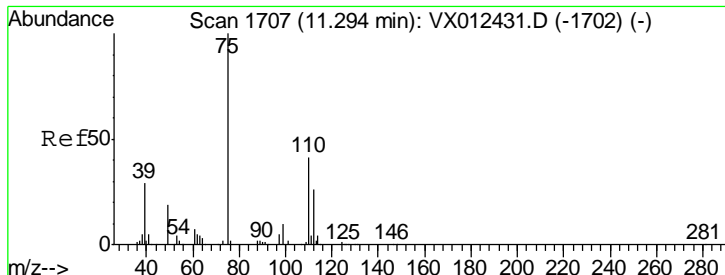
#75
 1,1,2,2-Tetrachloroethane
 Concen: 151.395 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56



Tgt Ion: 83 Resp: 468736

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	63.8	32.0	96.0





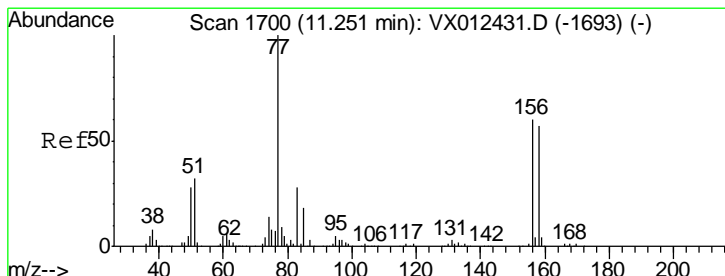
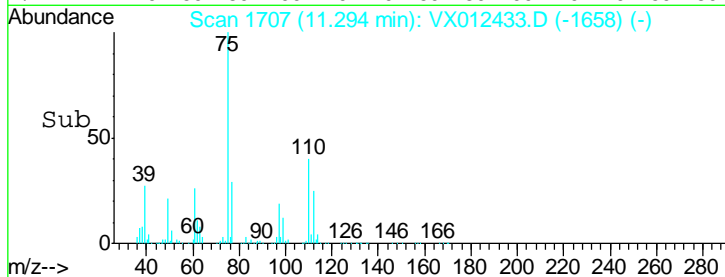
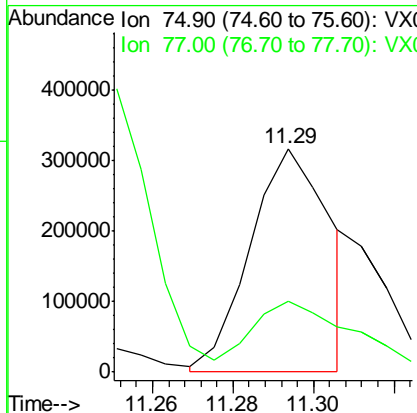
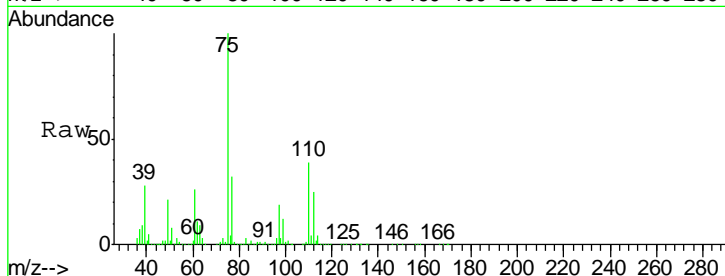
#76
 1,2,3-Trichloropropane
 Concen: 150.891 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	100		
77	40.8	19.7	59.0

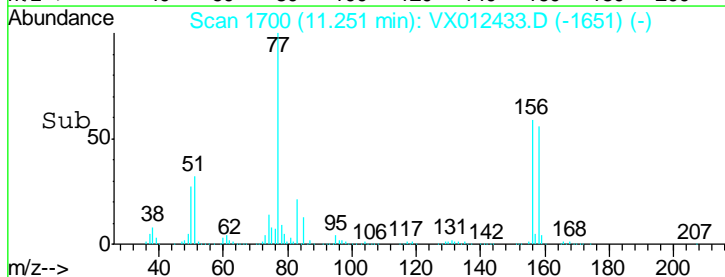
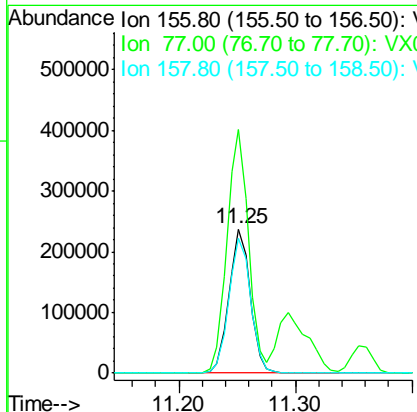
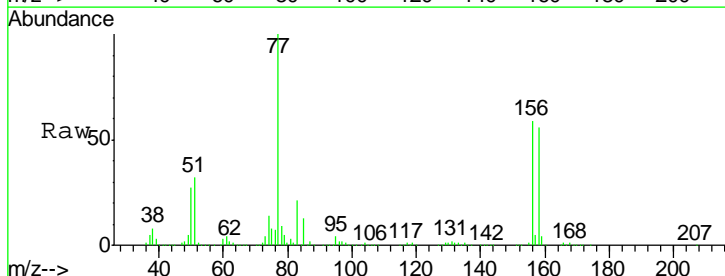
Manual Integrations
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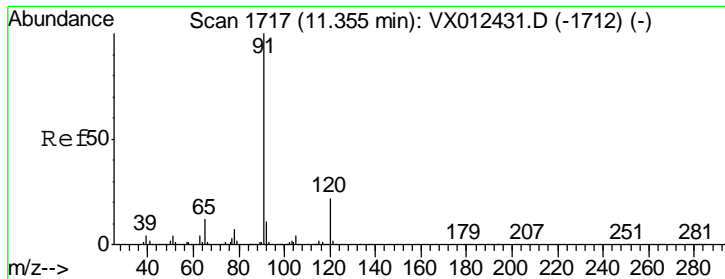
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#77
 Bromobenzene
 Concen: 157.177 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
156	100		
77	172.0	87.3	261.8
158	96.3	48.5	145.6





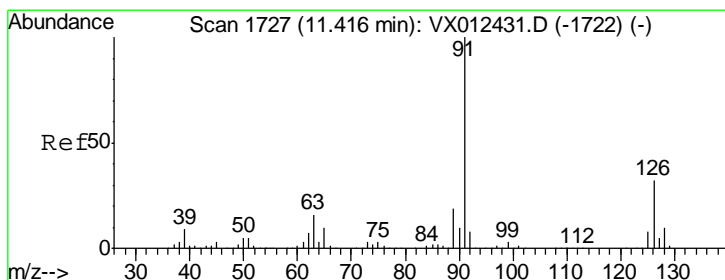
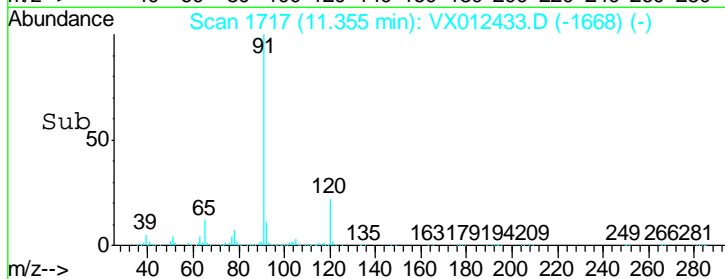
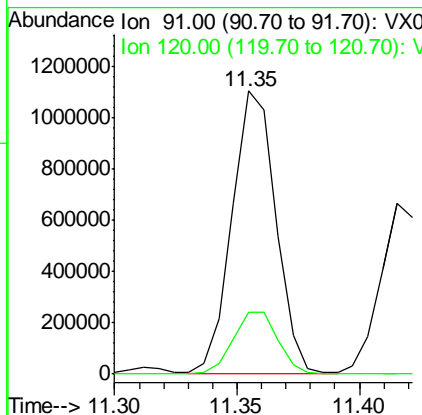
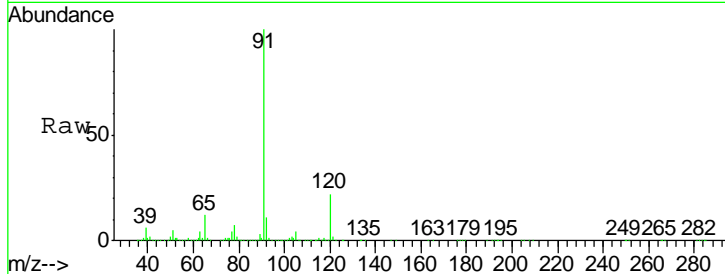
#78
 n-propylbenzene
 Concen: 158.438 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
120	22.6	11.3	33.8

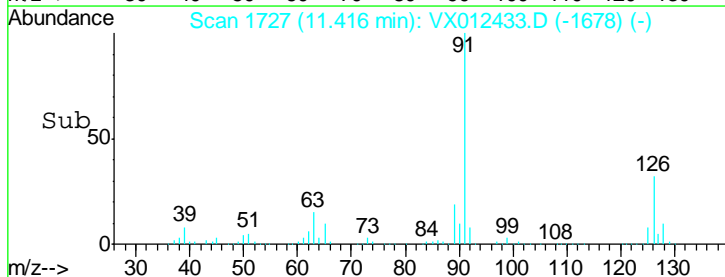
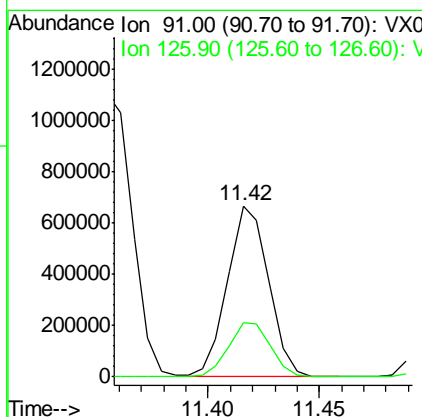
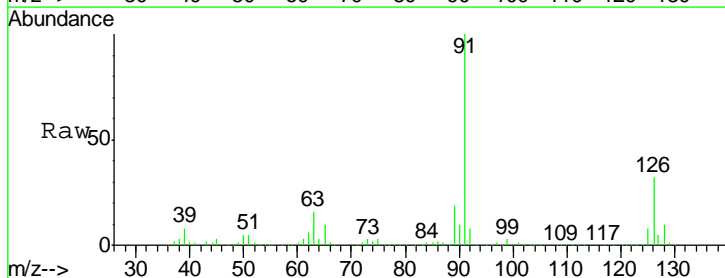
Manual Integrations
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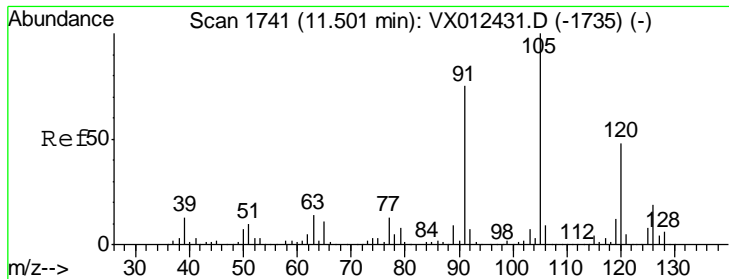
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#79
 2-Chlorotoluene
 Concen: 150.021 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
91	100		
126	32.5	16.4	49.4





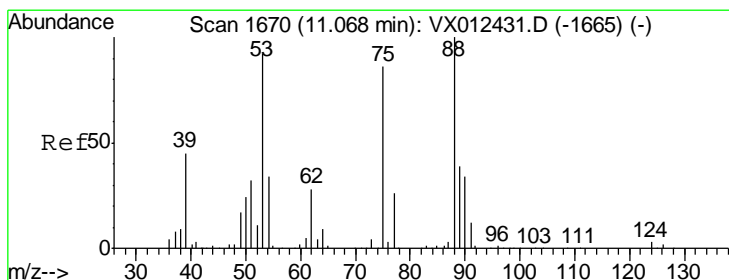
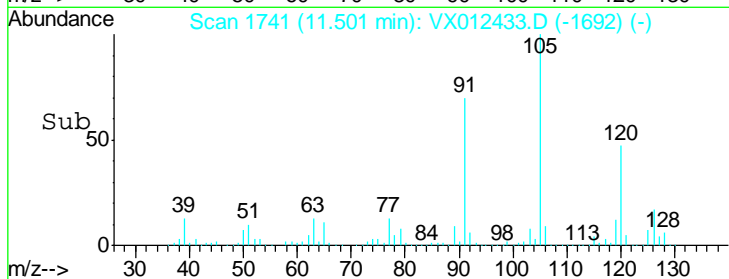
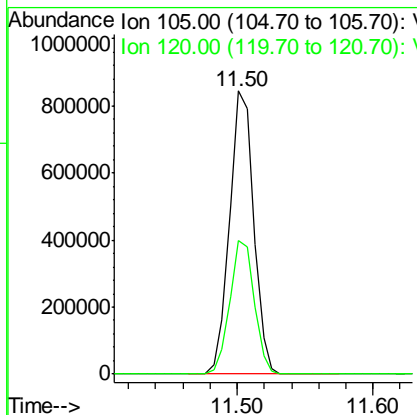
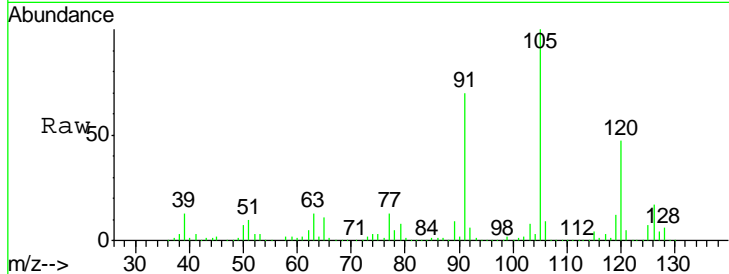
#80
 1,3,5-Trimethylbenzene
 Concen: 155.129 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	1039899		
105	100		
120	47.8	24.3	72.8

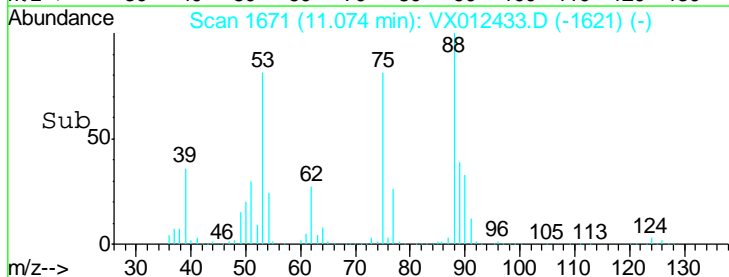
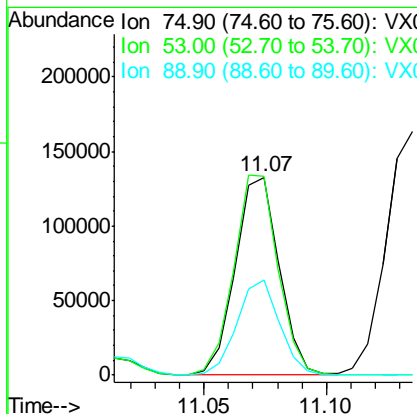
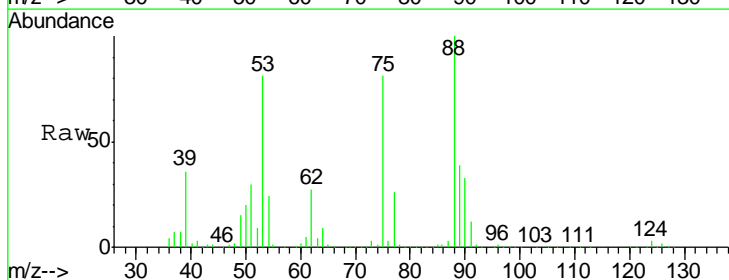
Manual Integrations
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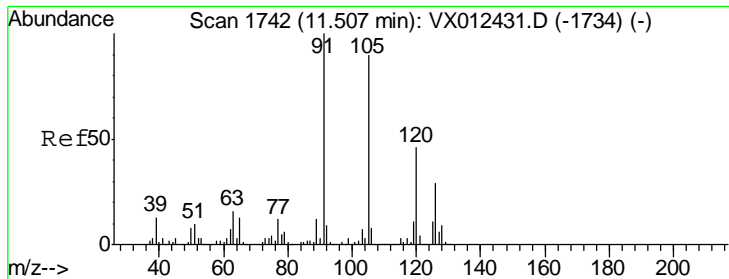
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 175.316 ug/l
 RT: 11.07 min Scan# 1671
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
75	165255		
75	100		
53	101.9	83.6	125.4
89	47.0	36.3	54.5





#82
 4-Chlorotoluene
 Concen: 153.470 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

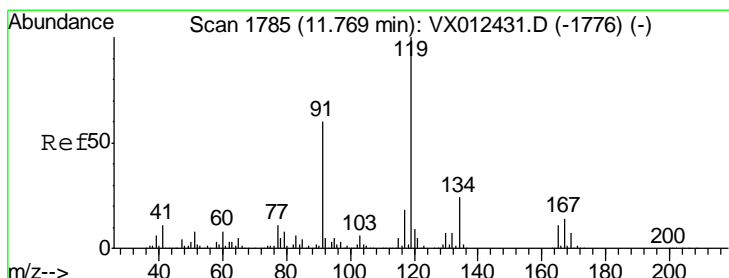
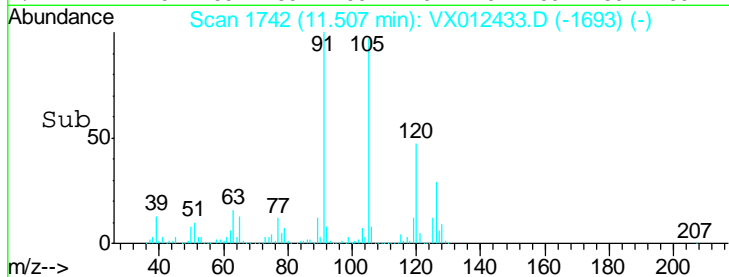
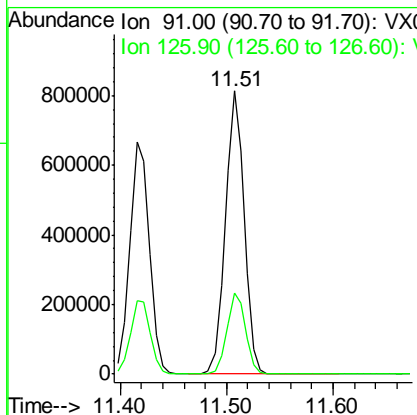
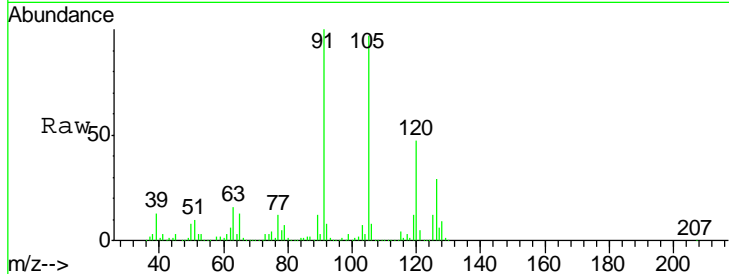
Instrument : MSVOA_X
 ClientSampled : VSTDIC150

Tgt Ion: 91 Resp: 1005682

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.4	43.0

Manual Integrations
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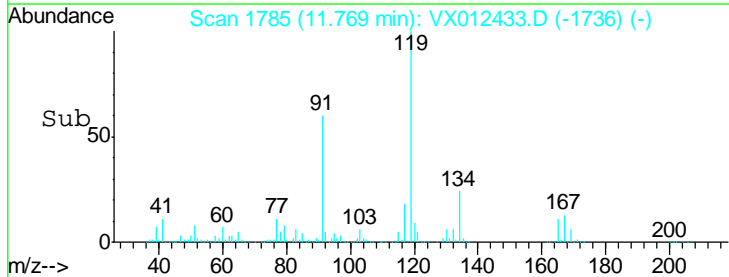
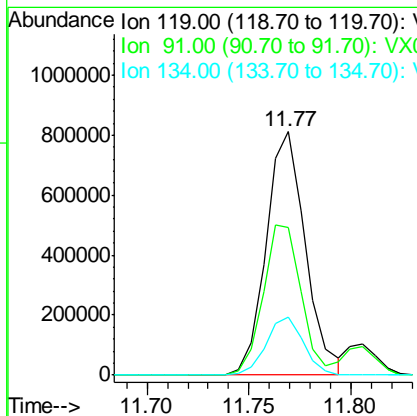
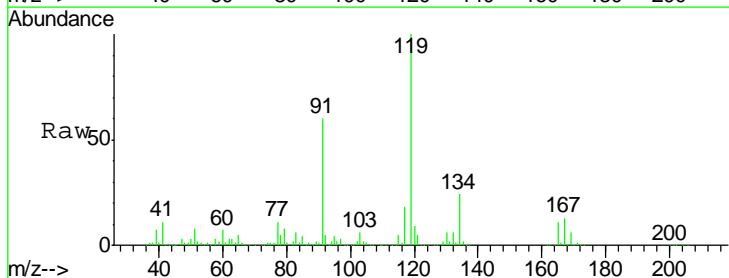
MMDadoda
 9/18/2019 11:22:25 AM

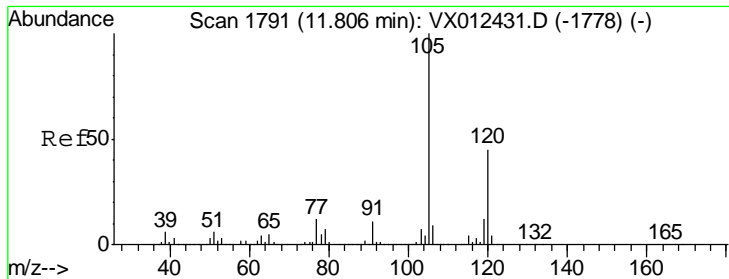


#83
 tert-Butylbenzene
 Concen: 150.357 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion: 119 Resp: 1085745

Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.0	90.0
134	22.7	11.3	33.9





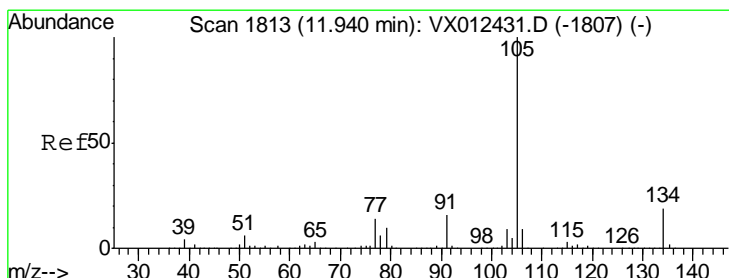
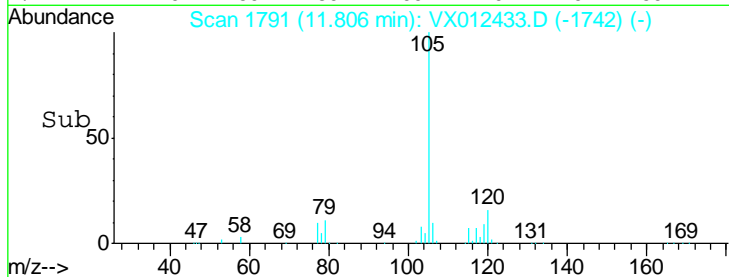
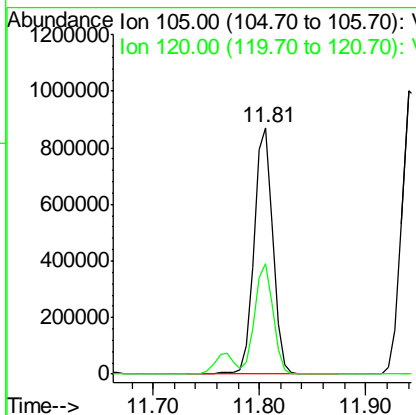
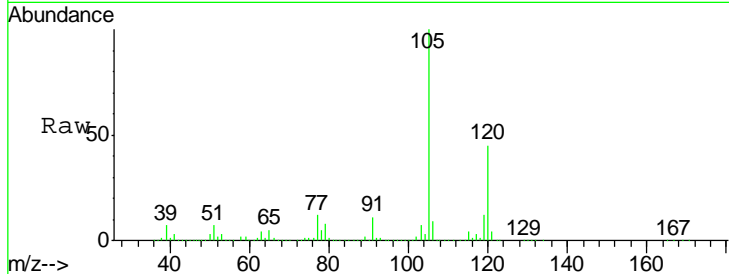
#84
 1,2,4-Trimethylbenzene
 Concen: 156.161 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	1073614		
120	44.0	22.2	66.6

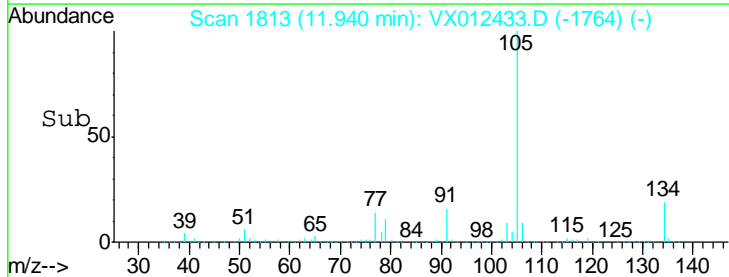
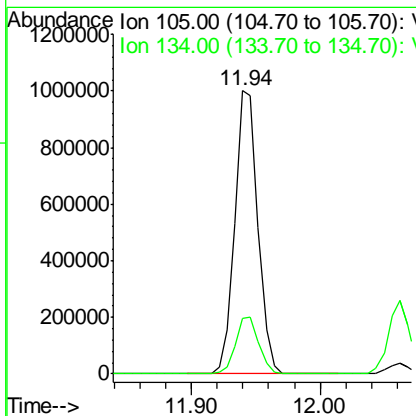
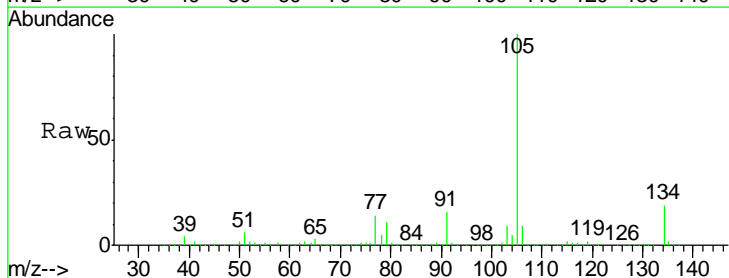
Manual Integrations
 APPROVED

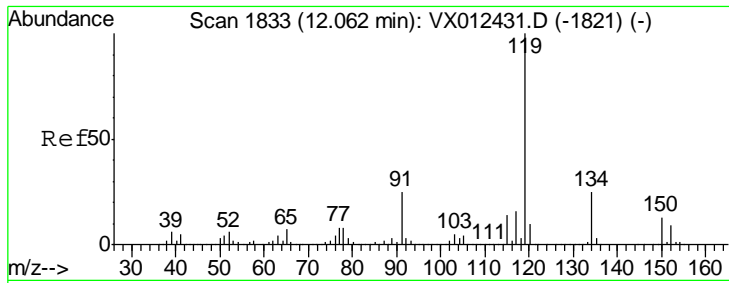
MMDadoda
 9/18/2019 11:22:25 AM



#85
 sec-Butylbenzene
 Concen: 157.656 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
105	1244403		
134	20.2	9.8	29.4





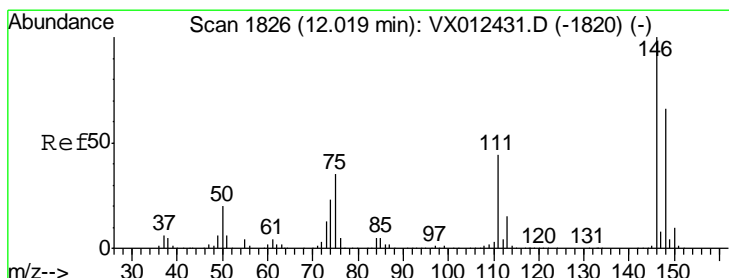
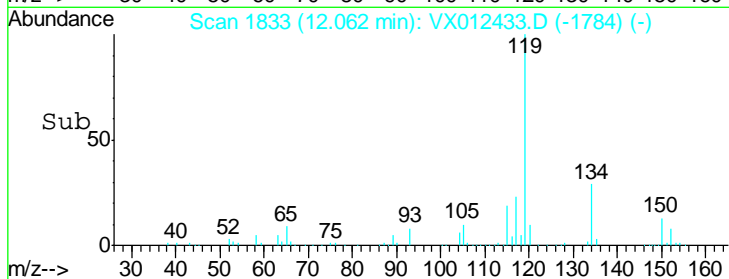
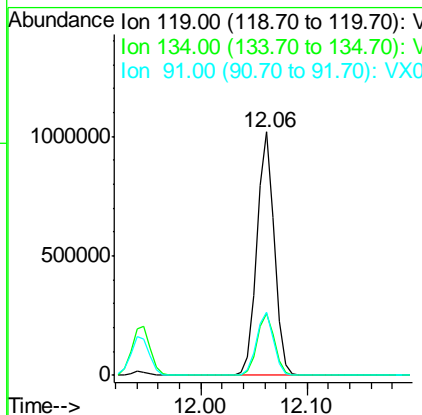
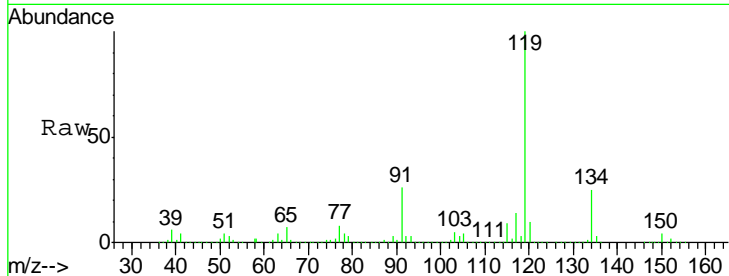
#86
 p-Isopropyltoluene
 Concen: 161.175 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
119	1163665		
134	25.5	12.7	38.1
91	25.6	12.8	38.4

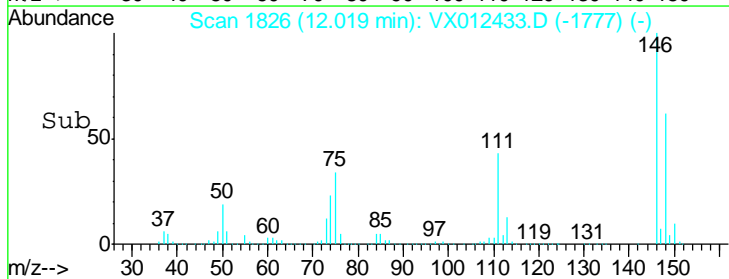
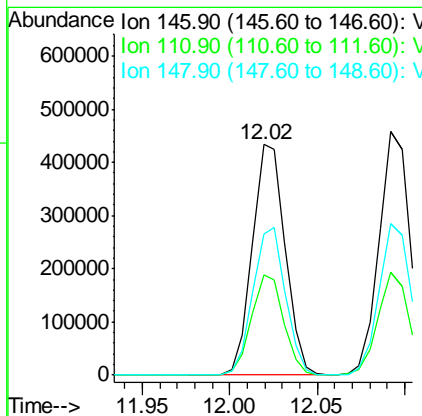
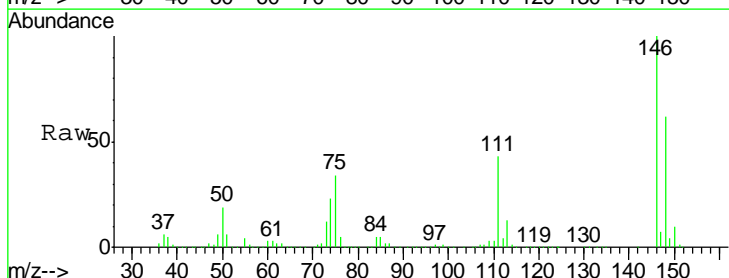
Manual Integrations
 APPROVED

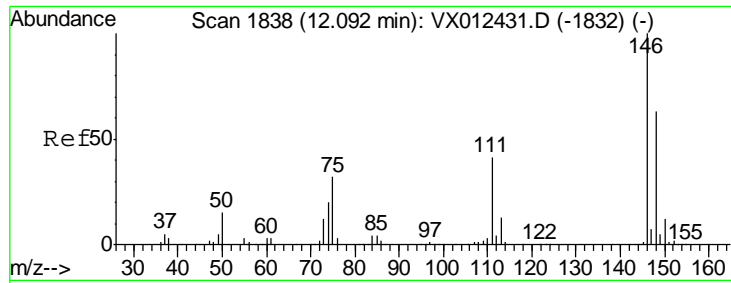
MMDadoda
 9/18/2019 11:22:25 AM



#87
 1,3-Dichlorobenzene
 Concen: 157.462 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
146	566339		
111	42.8	21.3	64.0
148	63.4	32.4	97.2





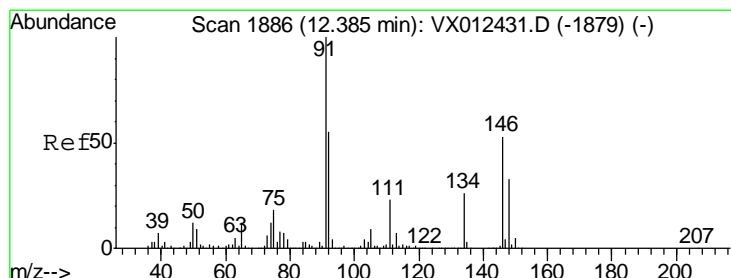
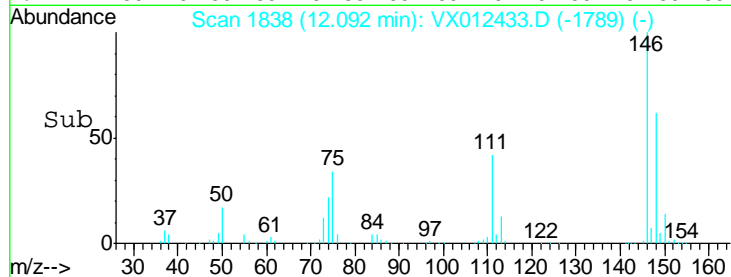
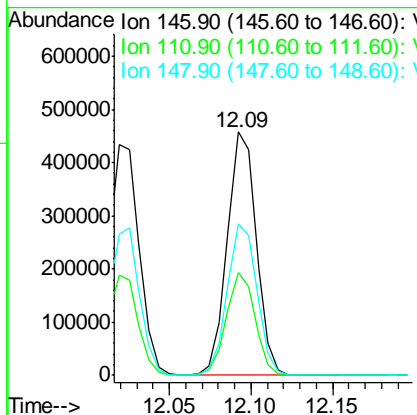
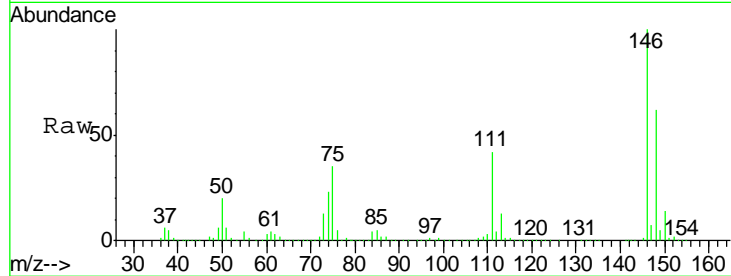
#88
 1,4-Dichlorobenzene
 Concen: 153.082 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	63.3	32.1	96.5

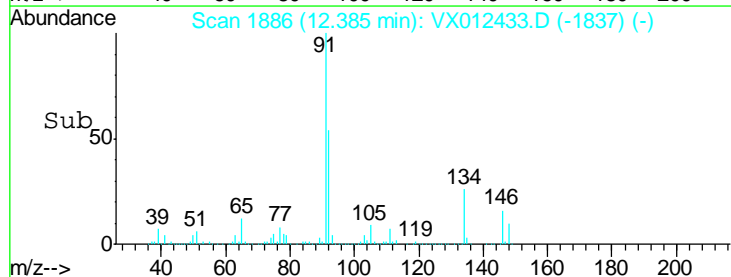
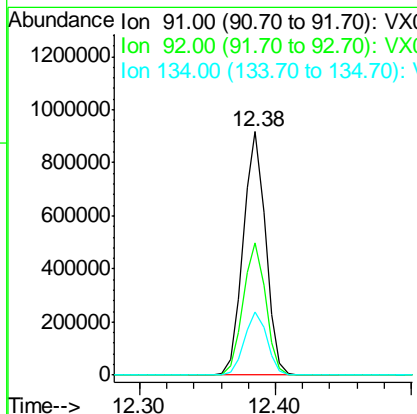
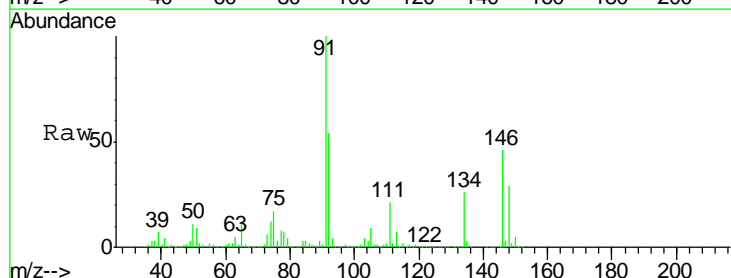
Manual Integrations
 APPROVED

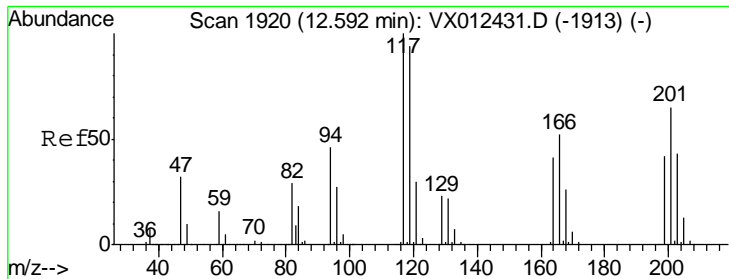
MMDadoda
 9/18/2019 11:22:25 AM



#89
 n-Butylbenzene
 Concen: 163.406 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.7	27.7	83.0
134	26.2	12.9	38.6





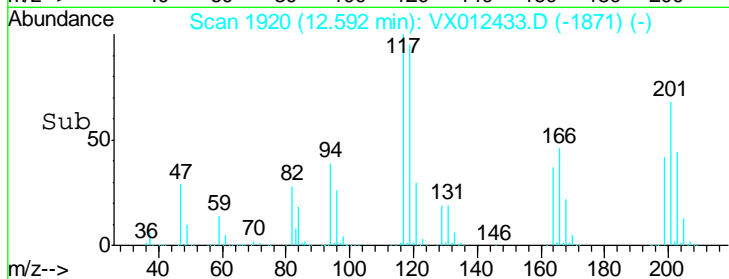
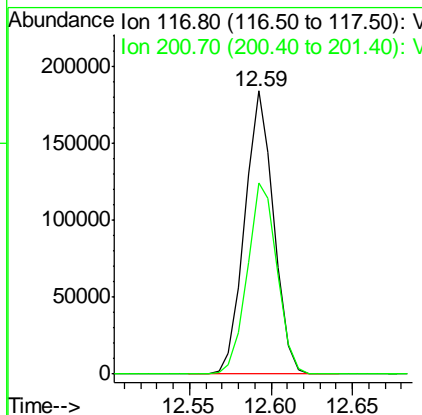
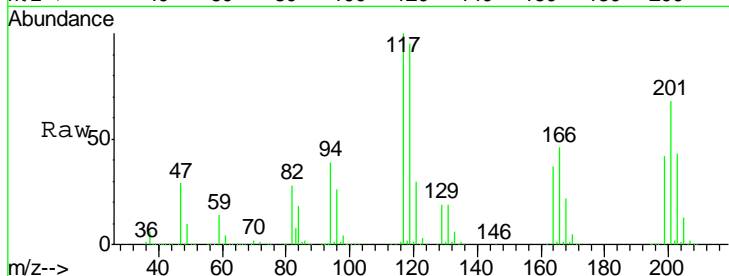
#90
 Hexachloroethane
 Concen: 174.406 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
117	100		
201	69.7	33.3	99.8

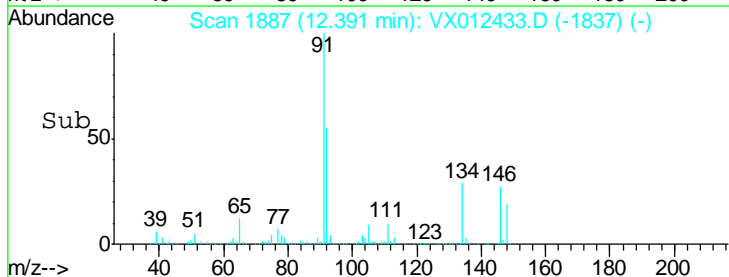
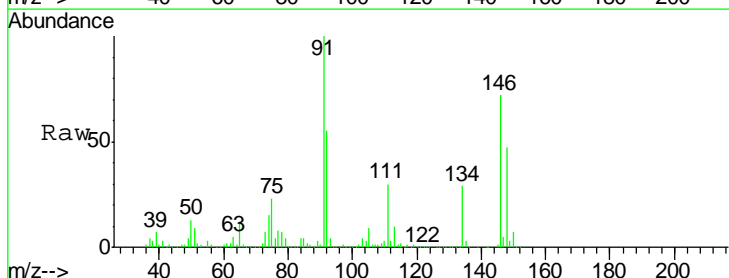
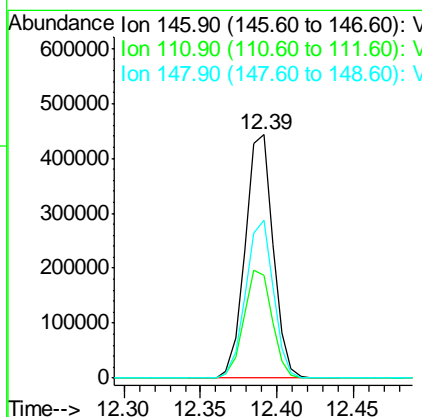
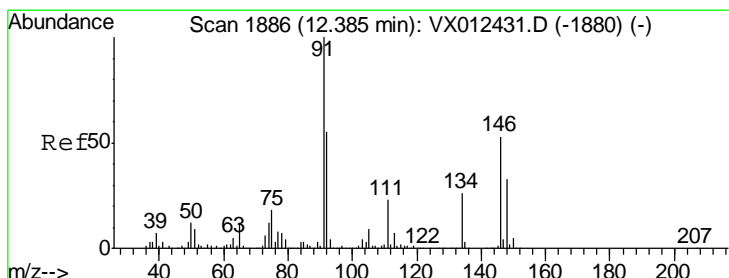
Manual Integrations
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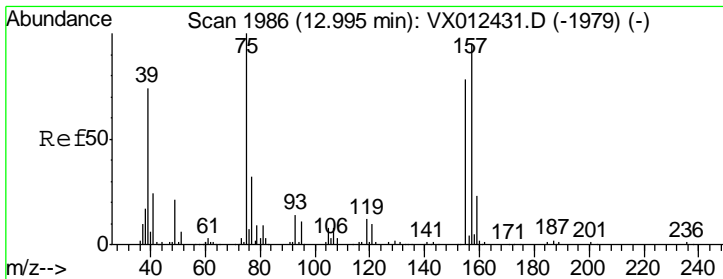
MMDadoda
 9/18/2019 11:22:25 AM



#91
 1,2-Dichlorobenzene
 Concen: 147.442 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
146	100		
111	44.7	22.1	66.1
148	64.6	31.3	93.9





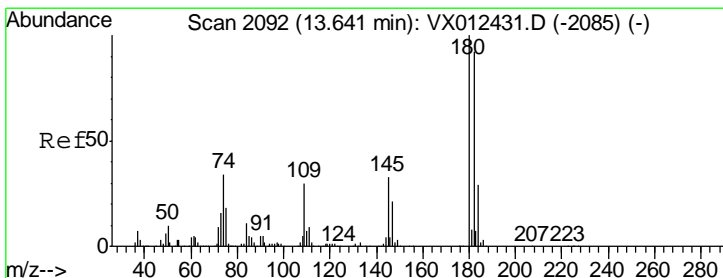
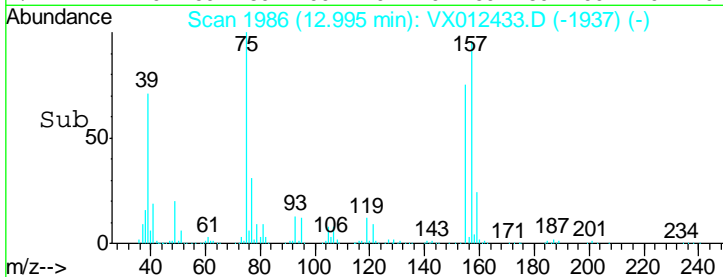
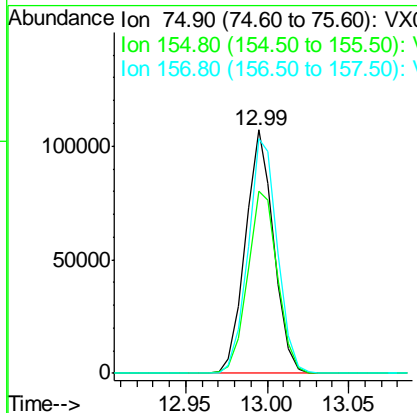
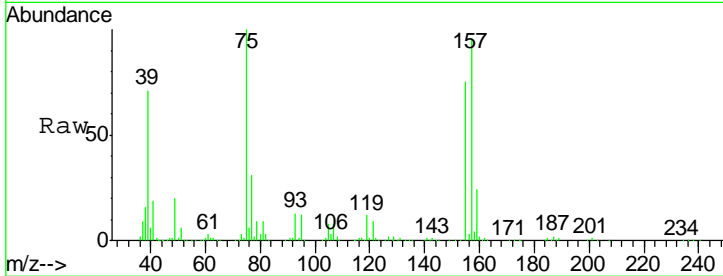
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 162.961 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	129149		
75	100		
155	78.9	38.6	115.8
157	100.1	50.6	151.9

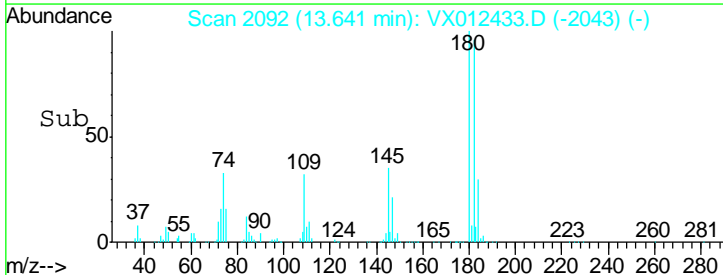
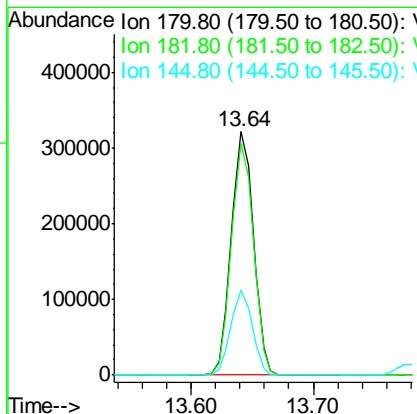
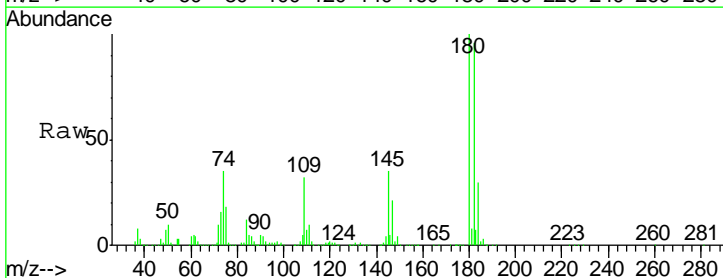
Manual Integrations
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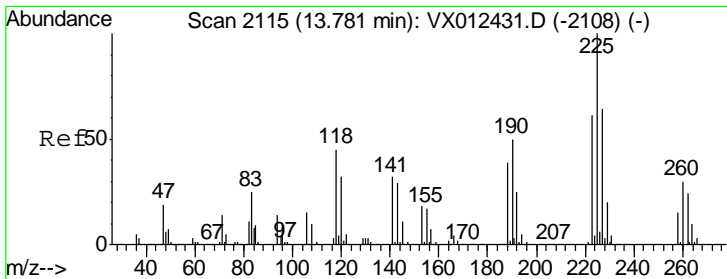
MMDadoda
 9/18/2019 11:22:25 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 167.507 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Tgt Ion	Resp	Lower	Upper
180	401152		
180	100		
182	95.0	47.0	141.0
145	34.0	16.8	50.4





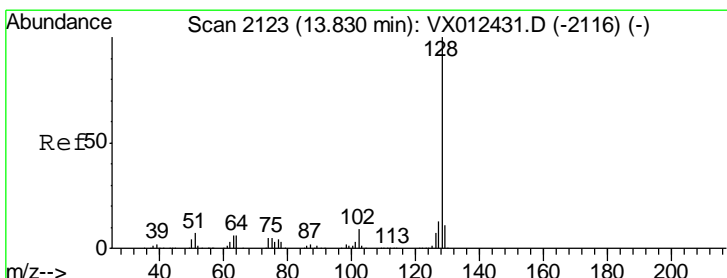
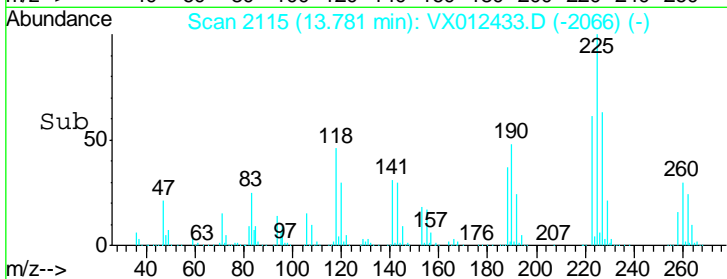
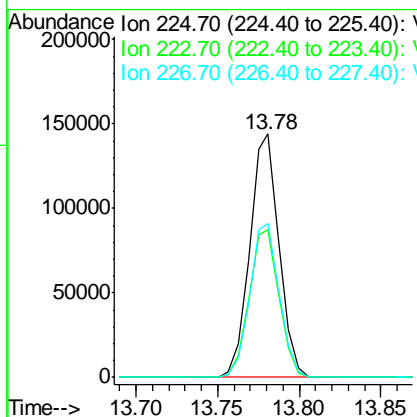
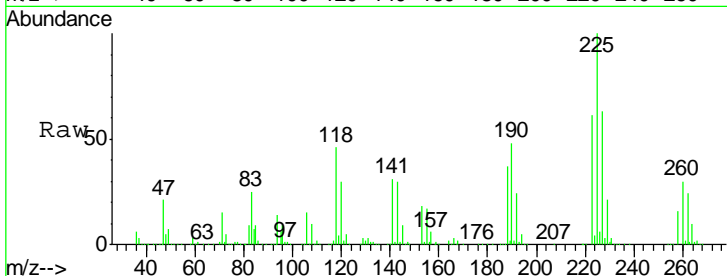
#94
 Hexachlorobutadiene
 Concen: 157.077 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
225	179336		
223	62.1	32.0	96.2
227	63.8	31.9	95.5

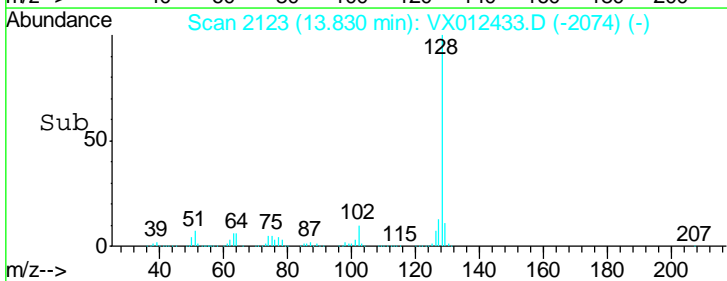
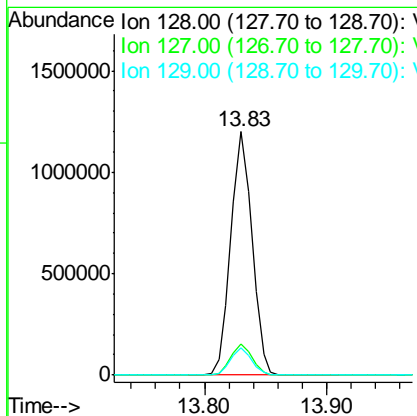
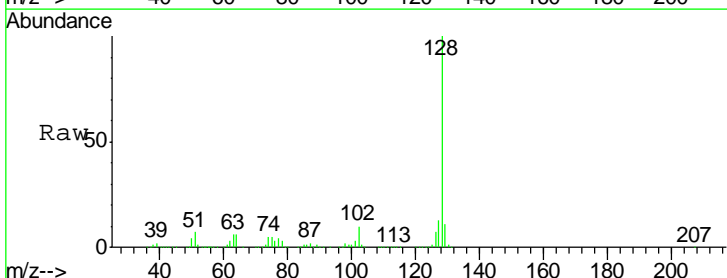
Manual Integrations
 APPROVED

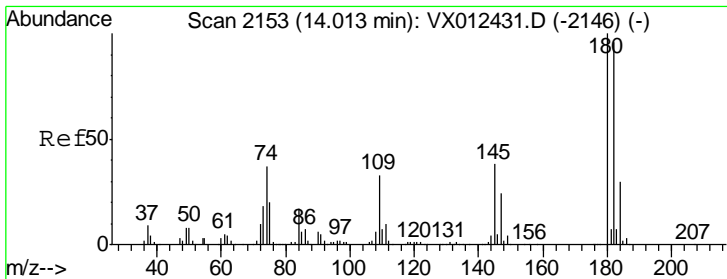
MMDadoda
 9/18/2019 11:22:25 AM



#95
 Naphthalene
 Concen: 168.620 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

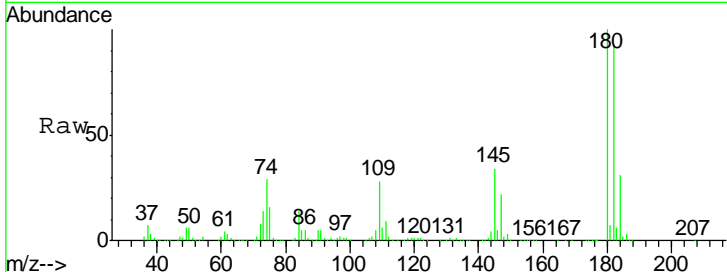
Tgt Ion	Resp	Lower	Upper
128	1435126		
127	12.9	10.2	15.4
129	11.1	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 163.372 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX012433.D
 Acq: 17 Sep 2019 13:56

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

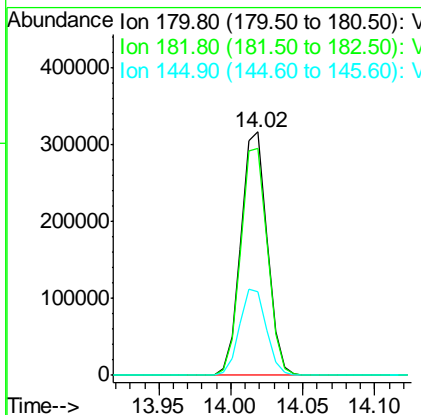
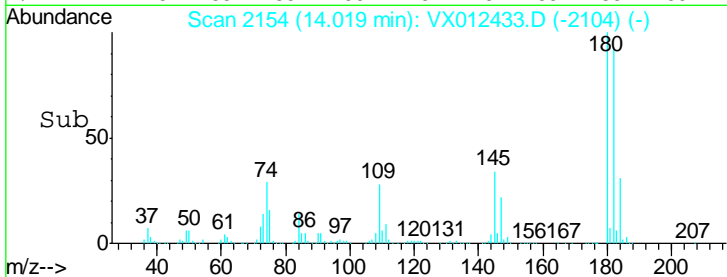


Tot Ion: 180 Resp: 400499

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	35.8	18.0	54.0

Manual Integrations
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MMDadoda
 9/18/2019 11:22:25 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX091719

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:23:38 AM

Quant Time: Sep 18 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	135127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	120117	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
35) Dibromofluoromethane	5.48	113	87842	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
50) Toluene-d8	8.71	98	328645	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.13	95	135960	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57759	46.618	ug/l	99
3) Chloromethane	1.31	50	48076	47.062	ug/l	100
4) Vinyl Chloride	1.40	62	51742	46.863	ug/l	99
5) Bromomethane	1.62	94	20900	48.182	ug/l	100
6) Chloroethane	1.71	64	35505	39.031	ug/l	97
7) Trichlorofluoromethane	1.92	101	97518	48.181	ug/l	100
8) Diethyl Ether	2.18	74	41143	45.005	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	69923	47.748	ug/l	99
10) Methyl Iodide	2.50	142	52956	42.838	ug/l	99
11) Tert butyl alcohol	3.03	59	136391	200.806	ug/l	100
12) 1,1-Dichloroethene	2.36	96	55254	47.298	ug/l	96
13) Acrolein	2.28	56	46921	200.318	ug/l	98
14) Allyl chloride	2.72	41	126997	46.694	ug/l	99
15) Acrylonitrile	3.13	53	251567	217.995	ug/l	100
16) Acetone	2.43	43	285287	233.943	ug/l	99
17) Carbon Disulfide	2.56	76	75809	46.034	ug/l	99
18) Methyl Acetate	2.76	43	121424	43.756	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	292426	45.910	ug/l	98
20) Methylene Chloride	2.84	84	70997	44.052	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	57971	47.787	ug/l	92
22) Diisopropyl ether	3.84	45	288253	45.265	ug/l	94
23) Vinyl Acetate	3.80	43	1239215	236.561	ug/l	100
24) 1,1-Dichloroethane	3.68	63	141903	46.573	ug/l	97
25) 2-Butanone	4.65	43	396346	214.558	ug/l	100
26) 2,2-Dichloropropane	4.57	77	140154	46.772	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	83686	46.180	ug/l	99
28) Bromochloromethane	5.00	49	70565	44.923	ug/l	100
29) Tetrahydrofuran	5.11	42	227403	222.835	ug/l	100
30) Chloroform	5.20	83	156062	44.599	ug/l	98
31) Cyclohexane	5.56	56	88493	48.113	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	135443	46.311	ug/l	99
36) 1,1-Dichloropropene	5.78	75	87960	48.112	ug/l	97
37) Ethyl Acetate	4.82	43	137558	49.017	ug/l	100
38) Carbon Tetrachloride	5.77	117	110659	48.667	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX091719

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:23:38 AM

Quant Time: Sep 18 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	94749	53.311	ug/l	98
40) Benzene	6.13	78	284053	48.860	ug/l	99
41) Methacrylonitrile	5.02	41	82256	45.521	ug/l	98
42) 1,2-Dichloroethane	6.18	62	126479	46.906	ug/l	99
43) Isopropyl Acetate	6.43	43	236286	46.912	ug/l	100
44) Trichloroethene	7.20	130	76405	49.961	ug/l	94
45) 1,2-Dichloropropane	7.50	63	84789	47.471	ug/l	99
46) Dibromomethane	7.65	93	54642	47.275	ug/l	100
47) Bromodichloromethane	7.89	83	127535	49.556	ug/l	97
48) Methyl methacrylate	7.76	41	109997	46.328	ug/l	98
49) 1,4-Dioxane	7.73	88	49496	856.532	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	754309	228.363	ug/l	99
52) Toluene	8.78	92	186133	49.686	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	135792	50.759	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	140019	50.556	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	91493	47.406	ug/l	97
56) Ethyl methacrylate	9.17	69	146734	48.627	ug/l	99
57) 1,3-Dichloropropane	9.37	76	147766	47.986	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	381895	244.491	ug/l	99
59) 2-Hexanone	9.48	43	590760	229.246	ug/l	98
60) Dibromochloromethane	9.57	129	99917	50.825	ug/l	99
61) 1,2-Dibromoethane	9.67	107	87217	49.480	ug/l	98
64) Tetrachloroethene	9.33	164	60423	48.565	ug/l	96
65) Chlorobenzene	10.14	112	217977	48.642	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	93800	50.435	ug/l	99
67) Ethyl Benzene	10.25	91	380920	49.476	ug/l	97
68) m/p-Xylenes	10.35	106	279320	99.711	ug/l	100
69) o-Xylene	10.70	106	143835	49.927	ug/l	99
70) Styrene	10.71	104	256143	50.252	ug/l	99
71) Bromoform	10.85	173	68543	43.217	ug/l #	98
73) Isopropylbenzene	11.01	105	405073	47.777	ug/l	99
74) N-amyl acetate	10.89	43	216253	47.376	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	151326	45.500	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	146879m	47.320	ug/l	
77) Bromobenzene	11.25	156	98481	47.628	ug/l	99
78) n-propylbenzene	11.35	91	471397	49.886	ug/l	100
79) 2-Chlorotoluene	11.42	91	290528	47.260	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	356094	49.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	50145	44.701	ug/l	98
82) 4-Chlorotoluene	11.51	91	344773	48.866	ug/l	100
83) tert-Butylbenzene	11.77	119	375659	48.484	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	366358	49.346	ug/l	100
85) sec-Butylbenzene	11.94	105	430396	50.411	ug/l	100
86) p-Isopropyltoluene	12.06	119	394679	50.343	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	190493	48.975	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	191108	47.832	ug/l	100
89) n-Butylbenzene	12.38	91	354277	50.647	ug/l	99
90) Hexachloroethane	12.59	117	73008	50.788	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	193870	47.689	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41099	47.665	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
ClientSampleId :
 ICVVX091719

Manual Integrations
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 9/18/2019 11:23:38 AM

Quant Time: Sep 18 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	135884	51.893	ug/l	100
94) Hexachlorobutadiene	13.78	225	62266	50.452	ug/l	99
95) Naphthalene	13.83	128	471627	50.618	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	137472	51.519	ug/l	100

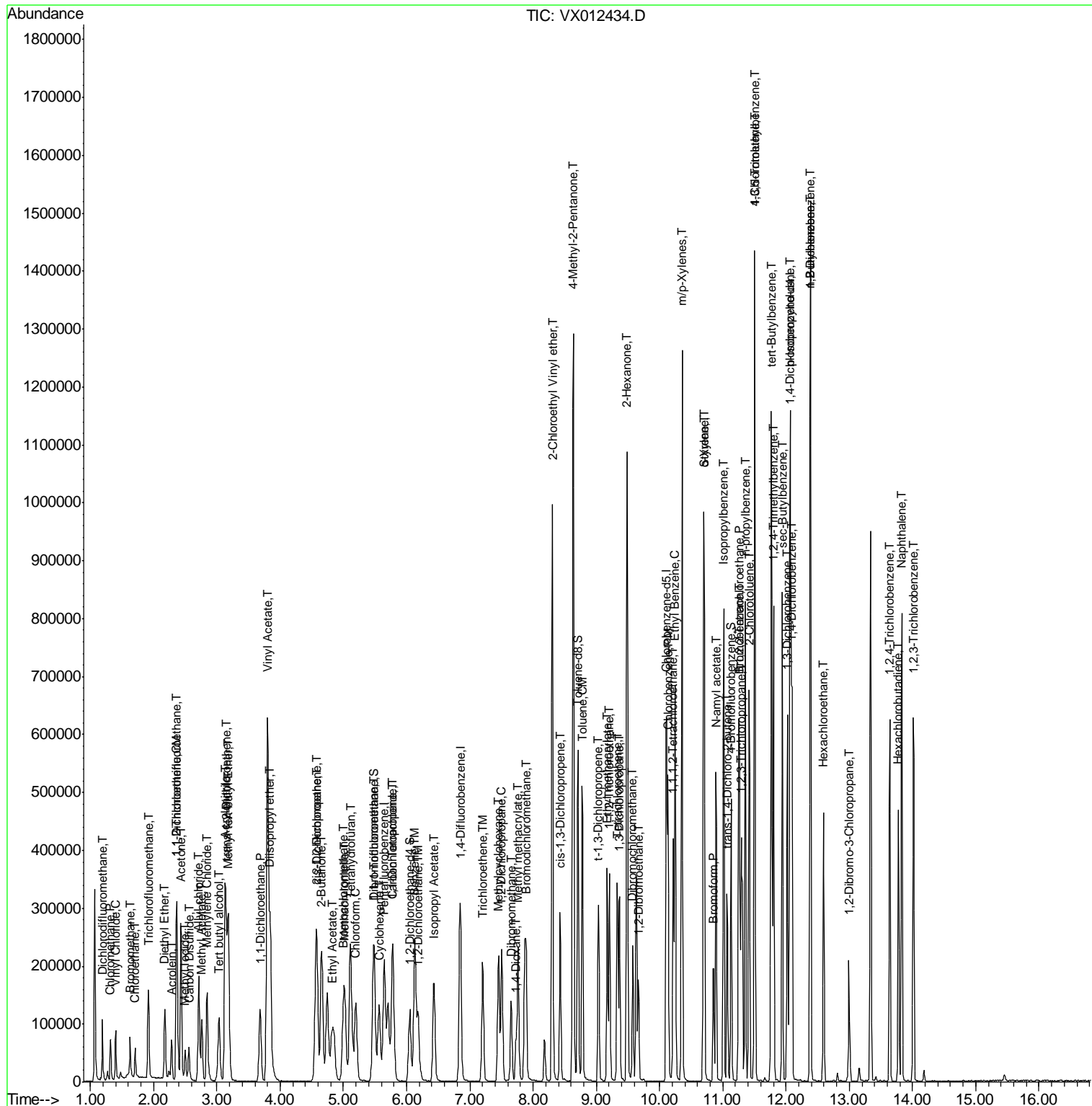
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
Data File : VX012434.D
Acq On : 17 Sep 2019 15:22
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

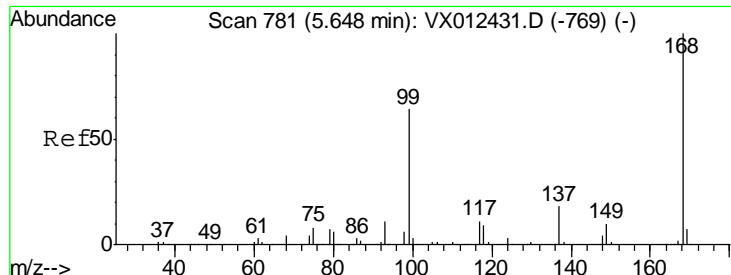
Instrument : MSVOA_X
Client Sampled : ICVVX091719

Manual Integrations APPROVED
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Quant Time: Sep 18 03:36:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 14:19:25 2019
Response via : Initial Calibration



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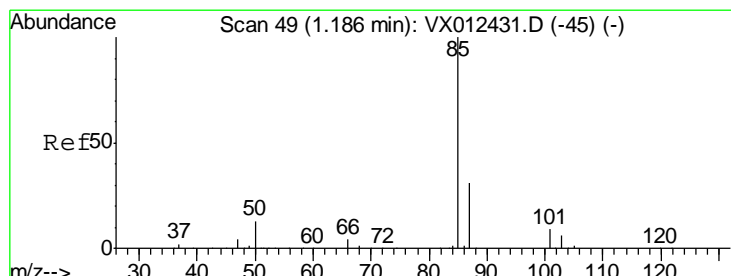
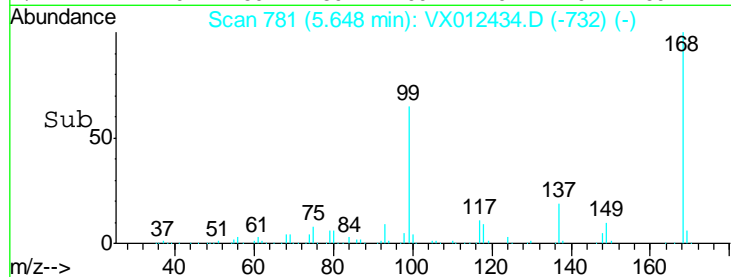
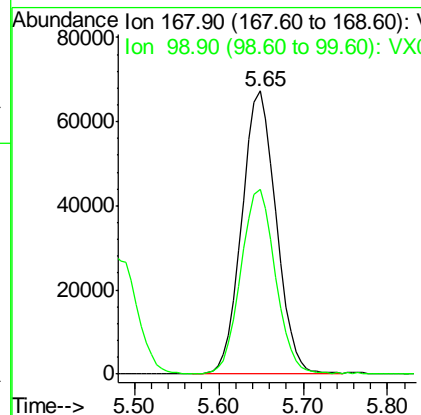
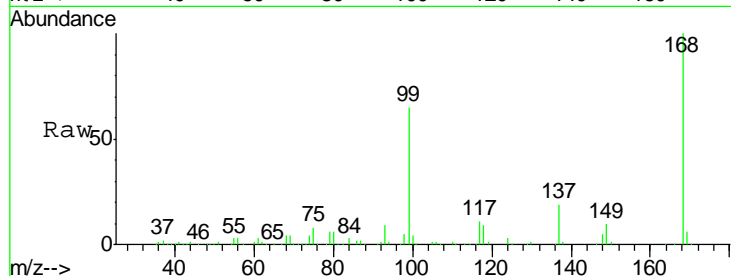


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
168	100		
99	65.0	51.4	77.2

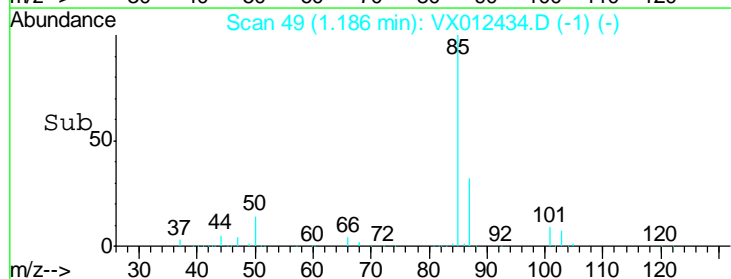
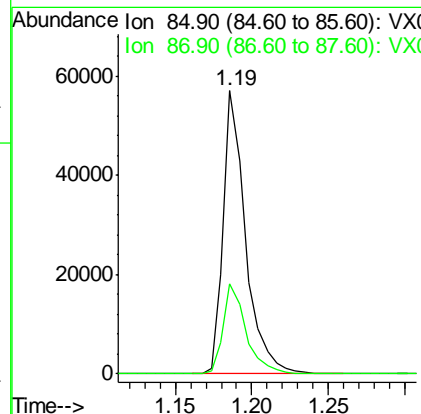
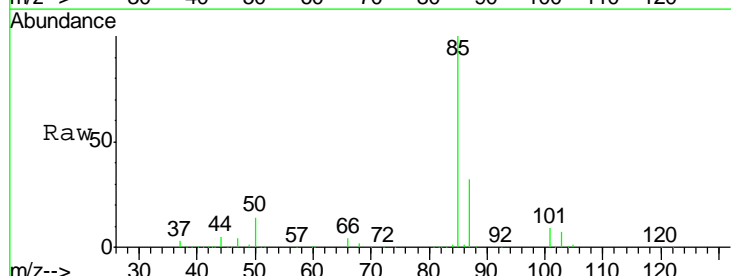
Instrument : MSVOA_X
 ClientSampled : ICVVX091719

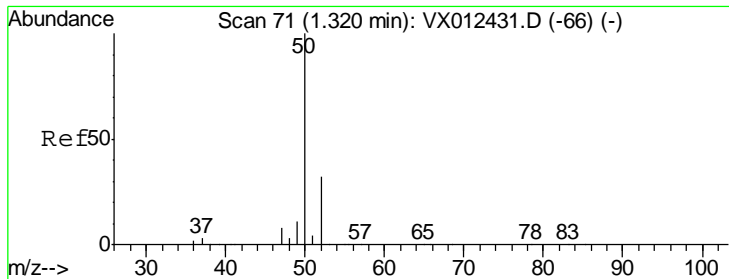
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#2
 Dichlorodifluoromethane
 Concen: 46.618 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.8	15.6	46.8



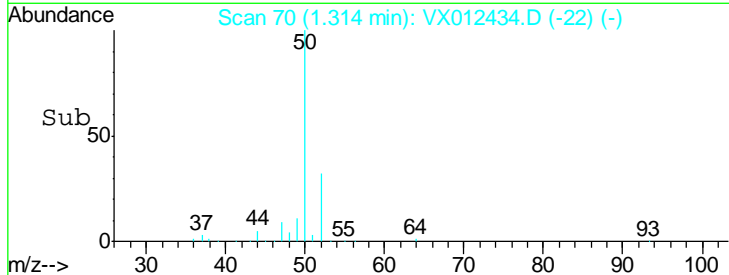
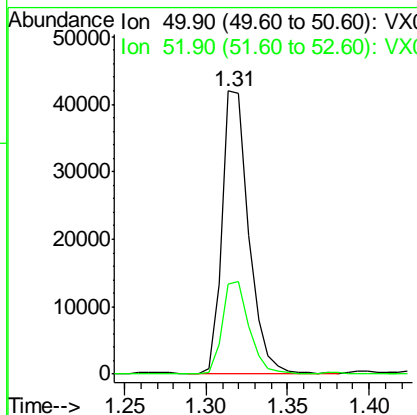
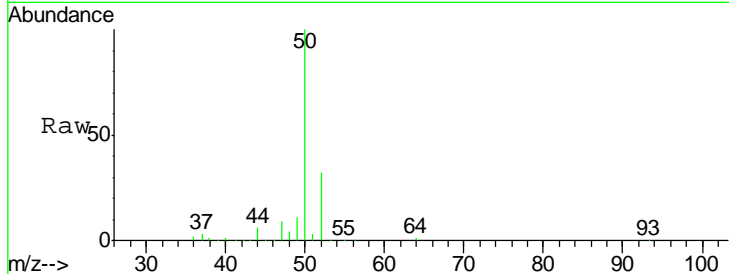


#3
 Chloromethane
 Concen: 47.062 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
50	48076		
50	100		
52	31.8	25.7	38.5

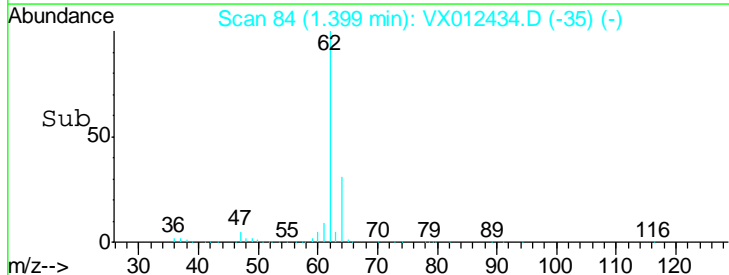
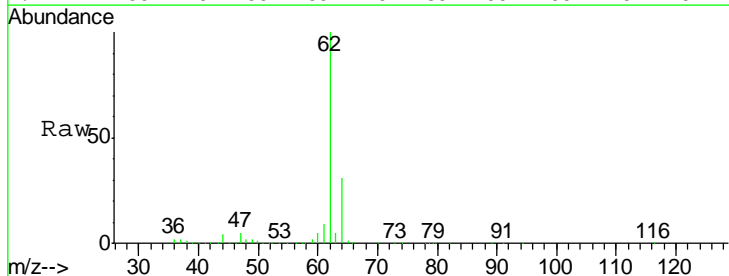
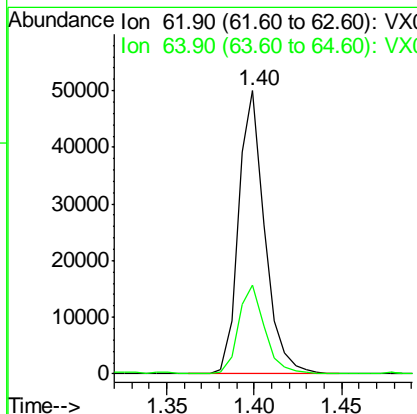
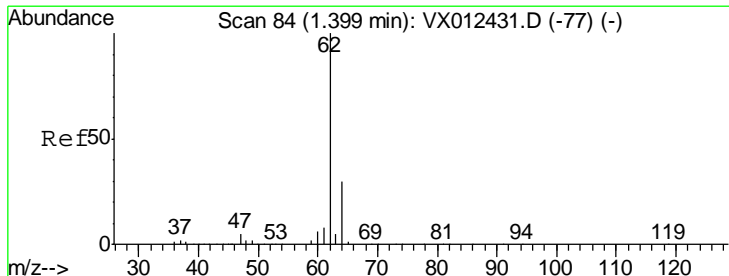
Instrument : MSVOA_X
 ClientSampled : ICVVX091719

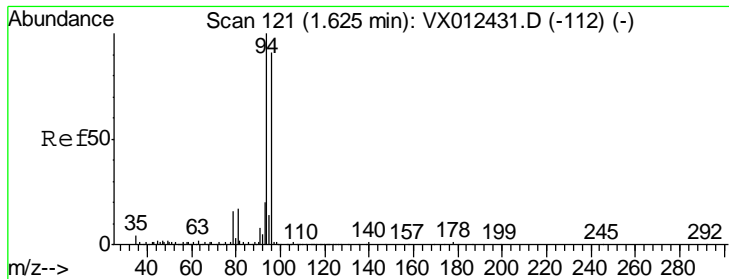
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#4
 Vinyl Chloride
 Concen: 46.863 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
62	51742		
62	100		
64	30.9	24.2	36.2



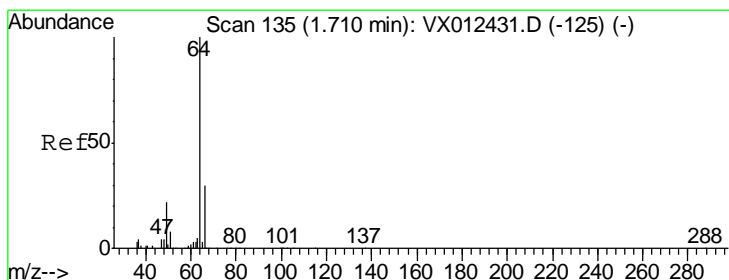
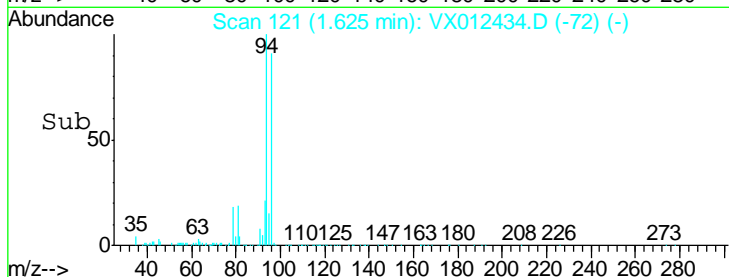
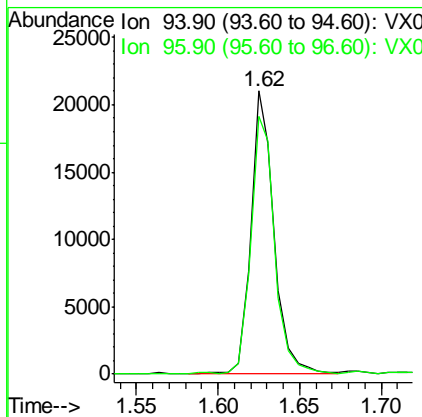
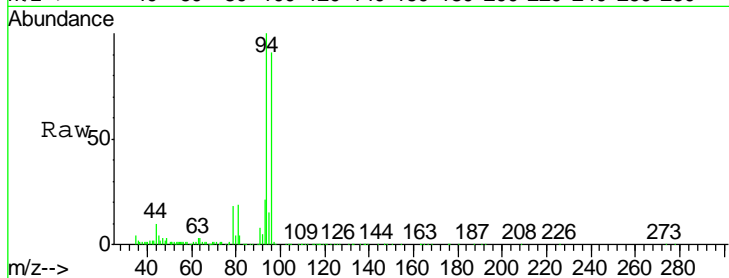


#5
 Bromomethane
 Concen: 48.182 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
94	100		
96	91.1	72.8	109.2

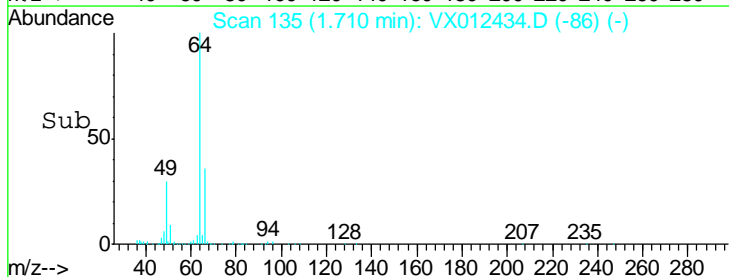
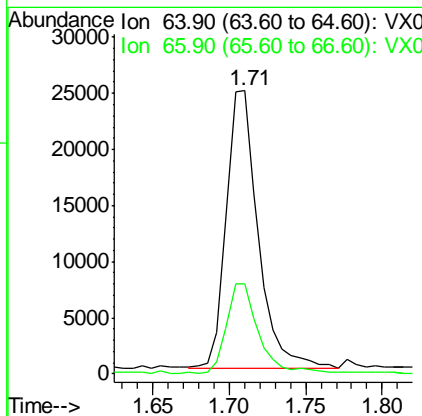
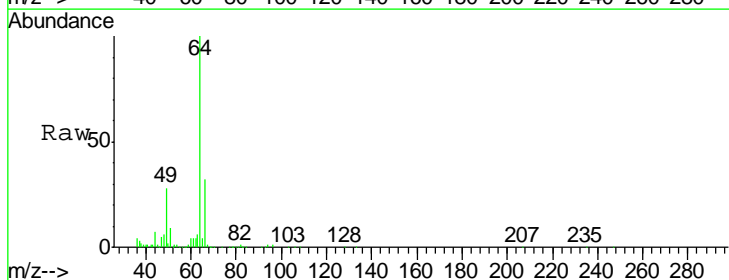
Instrument : MSVOA_X
 Client Sampled : ICVVX091719

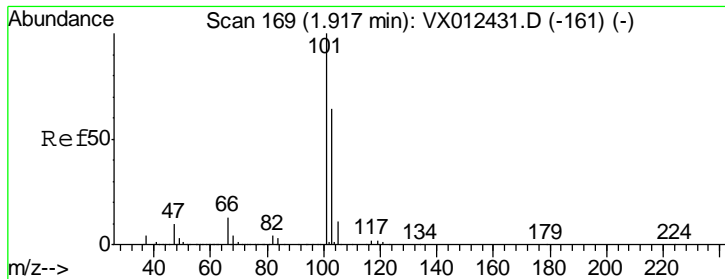
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 39.031 ug/l
 RT: 1.71 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

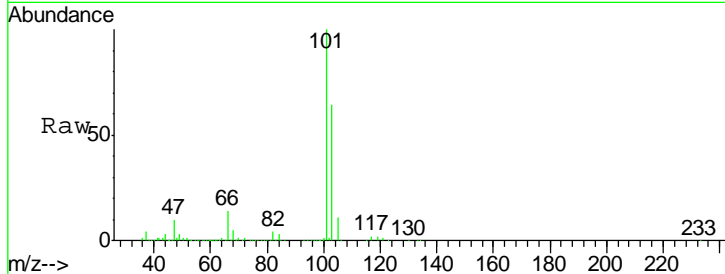
Tgt Ion	Resp	Lower	Upper
64	100		
66	31.9	24.0	36.0





#7
 Trichlorofluoromethane
 Concen: 48.181 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

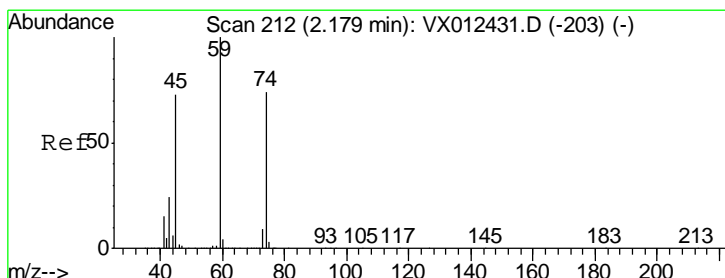
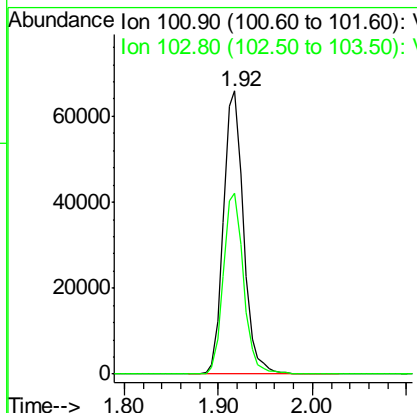
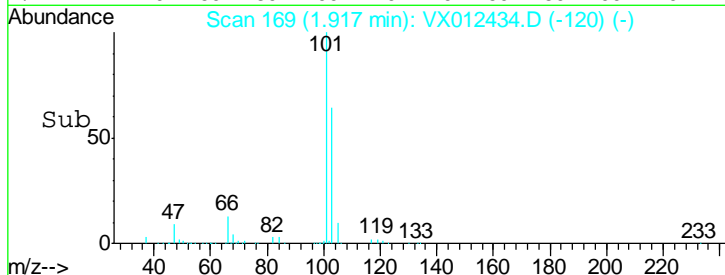
Instrument : MSVOA_X
 Client Sampled : ICVVX091719



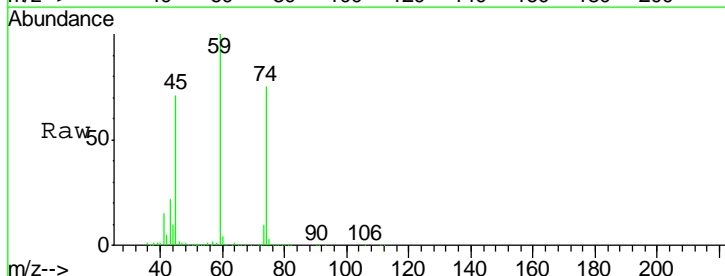
Tgt Ion: 101 Resp: 97518
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.4

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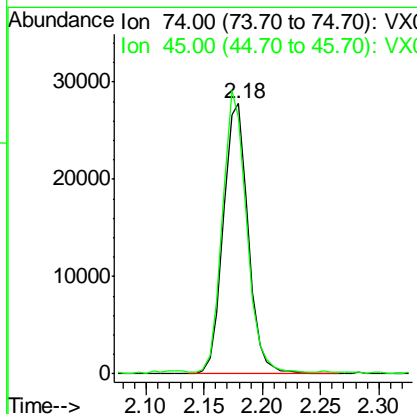
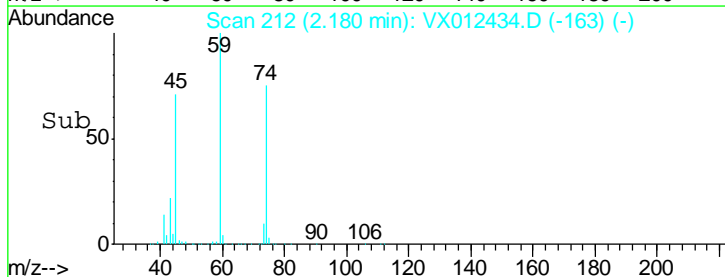
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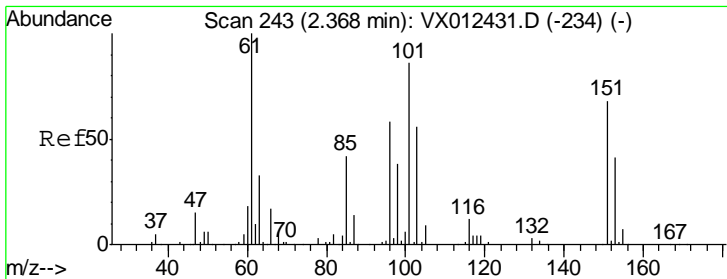


#8
 Diethyl Ether
 Concen: 45.005 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22



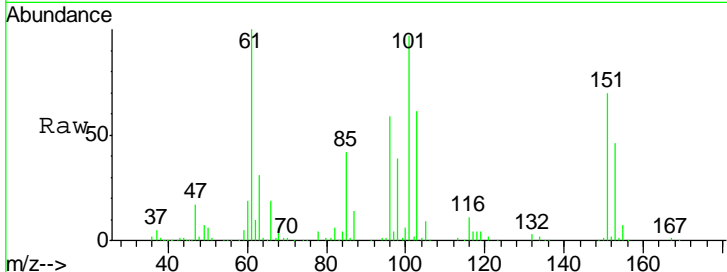
Tgt Ion: 74 Resp: 41143
 Ion Ratio Lower Upper
 74 100
 45 99.8 49.9 149.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.748 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX091719

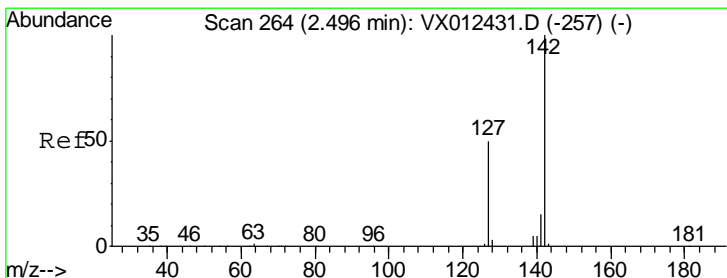
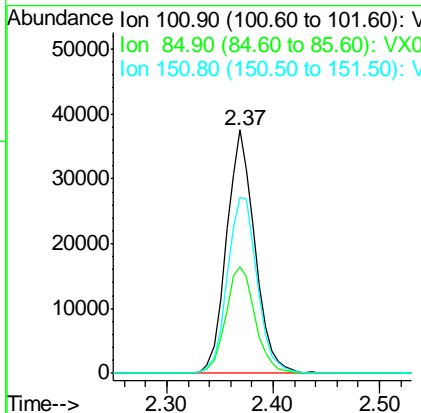
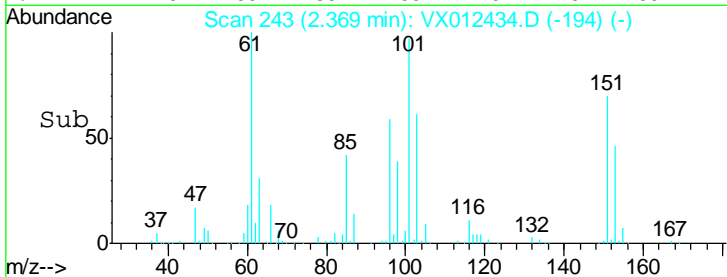


Tgt Ion: 101 Resp: 69923

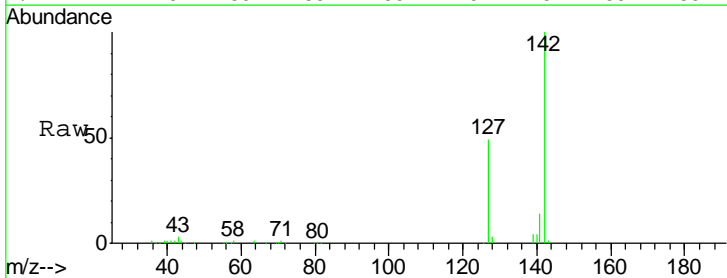
Ion	Ratio	Lower	Upper
101	100		
85	45.3	37.3	55.9
151	76.4	61.0	91.4

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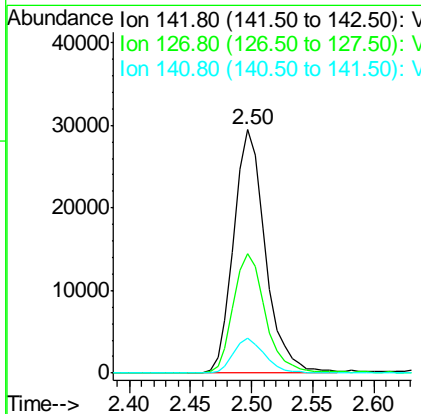
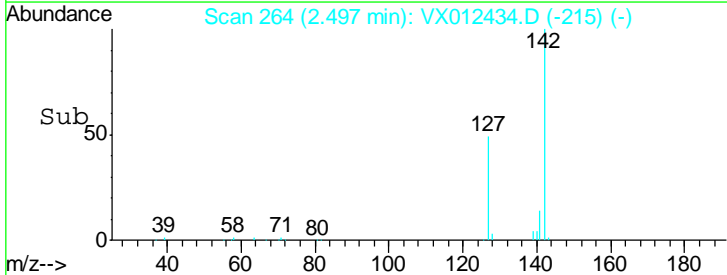


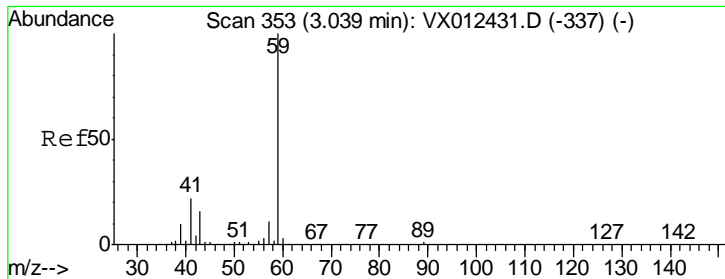
#10
 Methyl Iodide
 Concen: 42.838 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22



Tgt Ion: 142 Resp: 52956

Ion	Ratio	Lower	Upper
142	100		
127	50.2	40.8	61.2
141	14.3	12.1	18.1





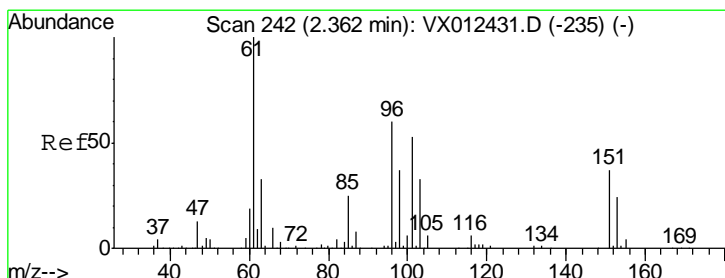
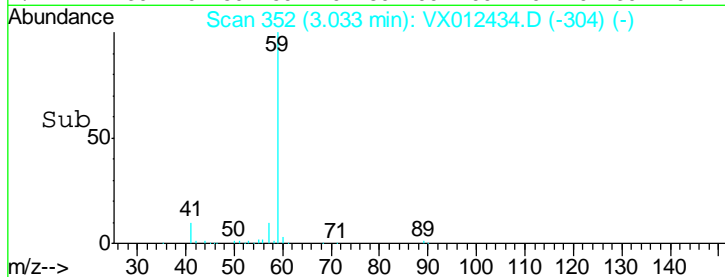
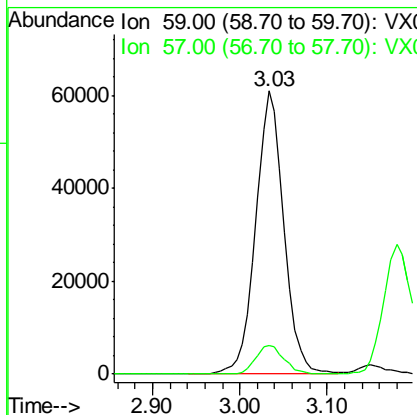
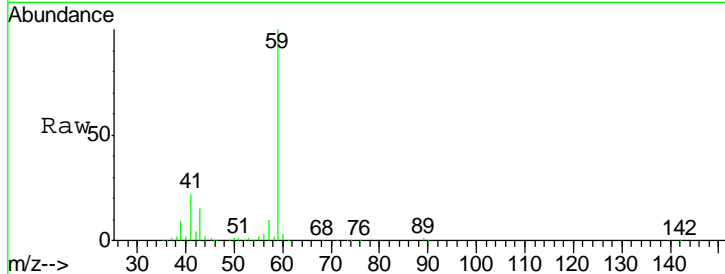
#11
 Tert butyl alcohol
 Concen: 200.806 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
59	136391		
57	10.4	8.3	12.5

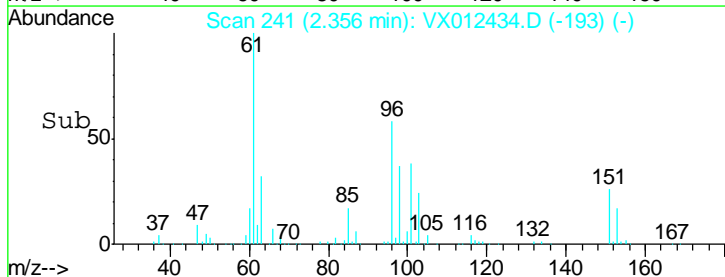
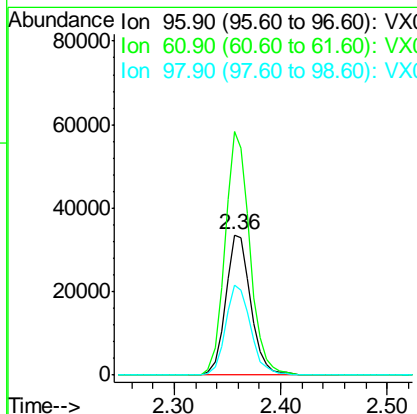
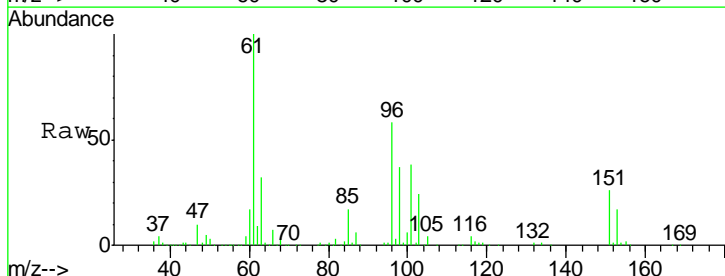
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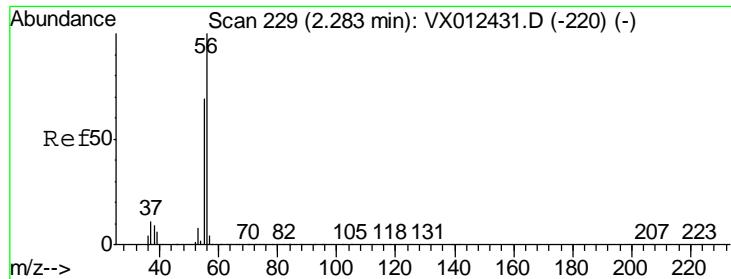
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#12
 1,1-Dichloroethene
 Concen: 47.298 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
96	55254		
61	173.3	133.8	200.6
98	64.2	49.9	74.9





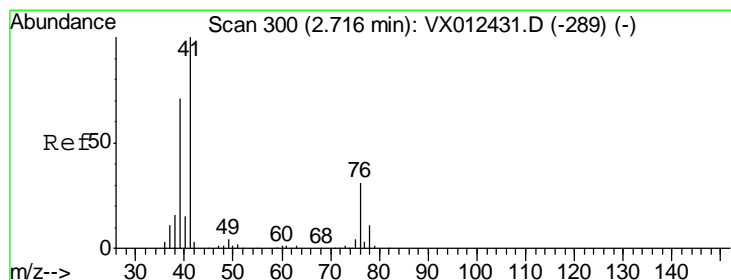
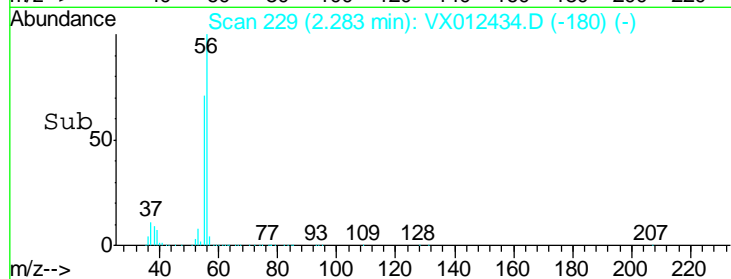
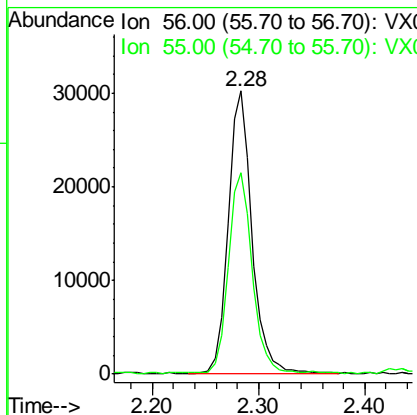
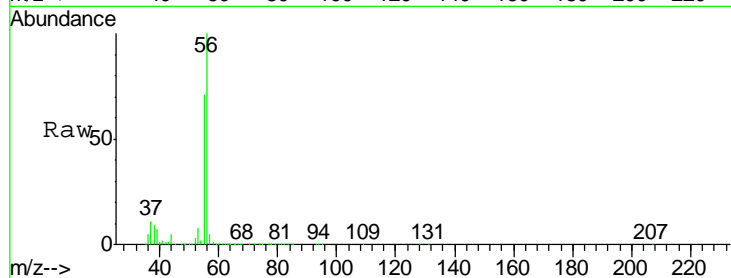
#13
 Acrolein
 Concen: 200.318 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 ClientSampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
56	46921		
55	71.7	55.8	83.8

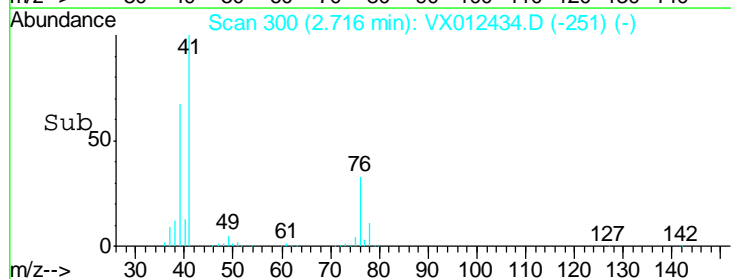
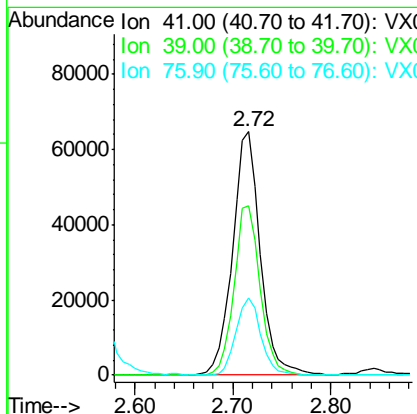
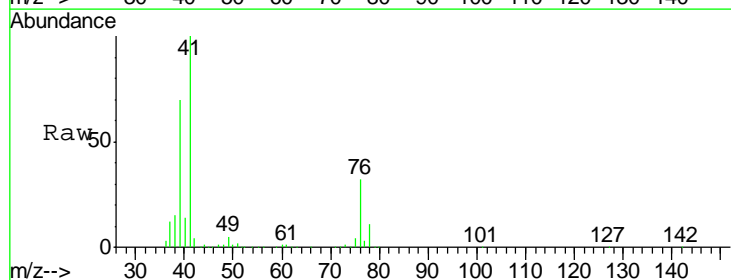
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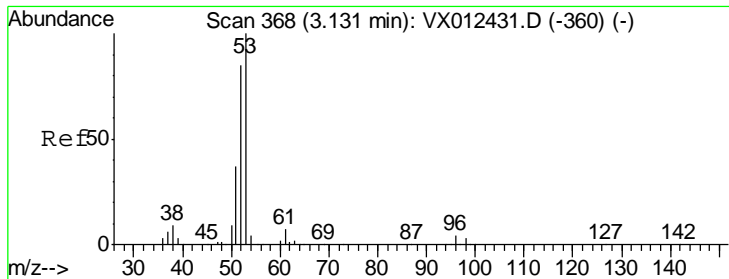
MMDadoda
 9/18/2019 11:23:38 AM



#14
 Allyl chloride
 Concen: 46.694 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

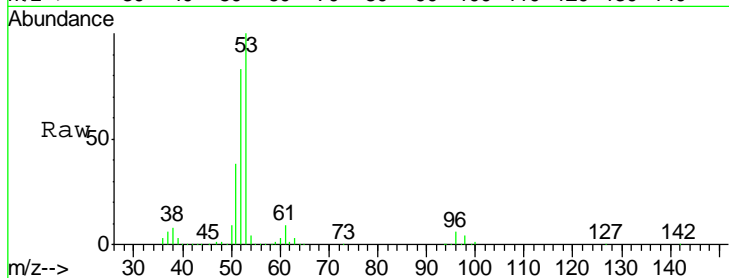
Tgt Ion	Resp	Lower	Upper
41	126997		
39	65.3	51.3	76.9
76	28.7	22.6	33.8





#15
 Acrylonitrile
 Concen: 217.995 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX091719

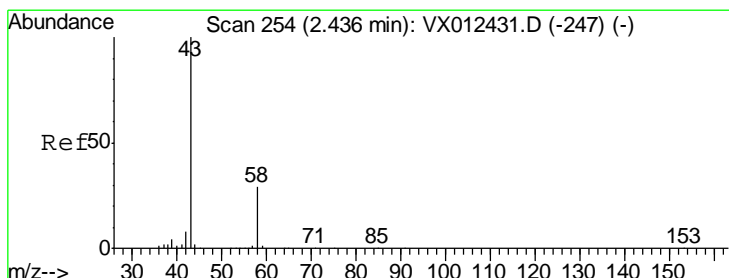
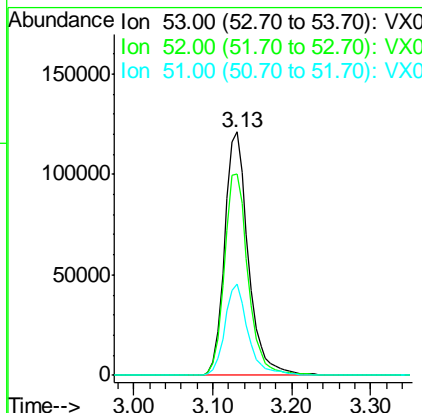
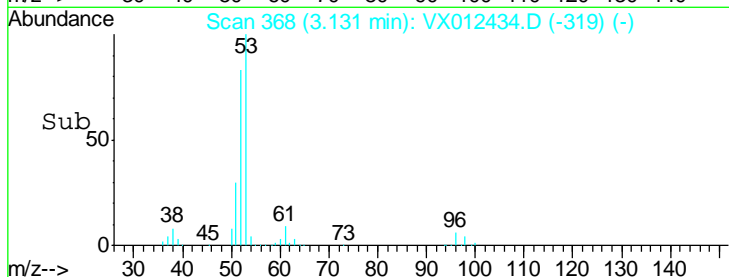


Tgt Ion: 53 Resp: 251567

Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.0	100.4
51	37.2	29.6	44.4

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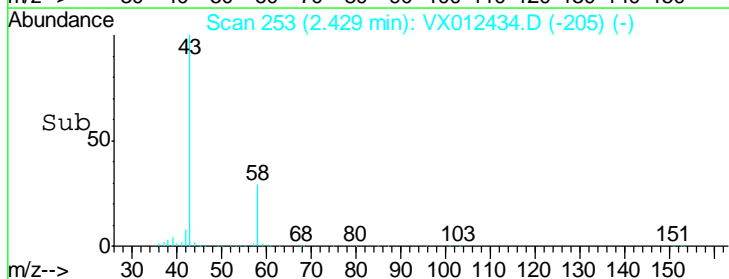
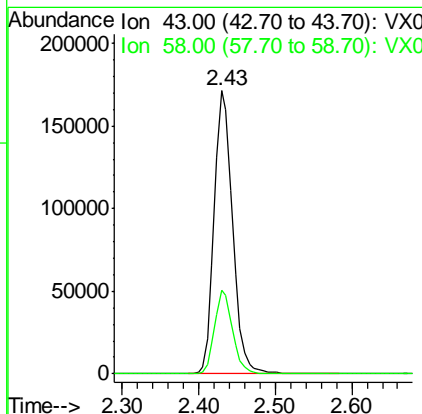
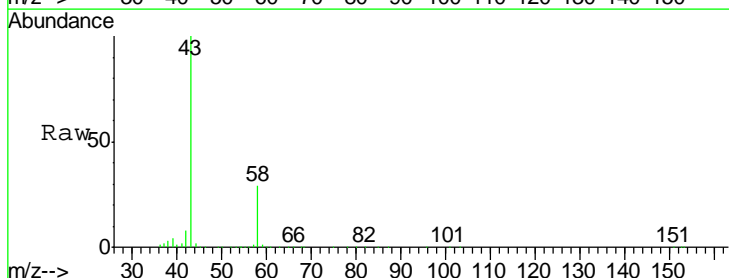
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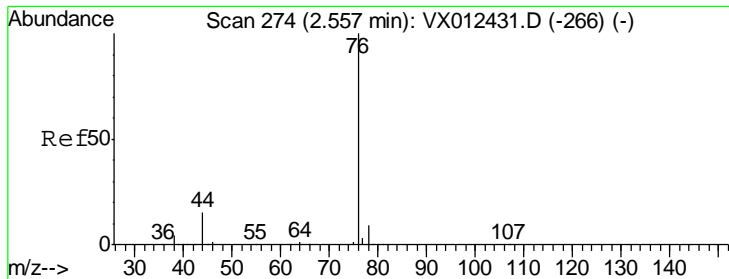


#16
 Acetone
 Concen: 233.943 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion: 43 Resp: 285287

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.3	34.9





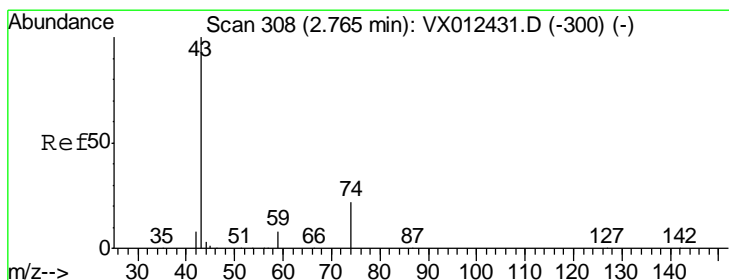
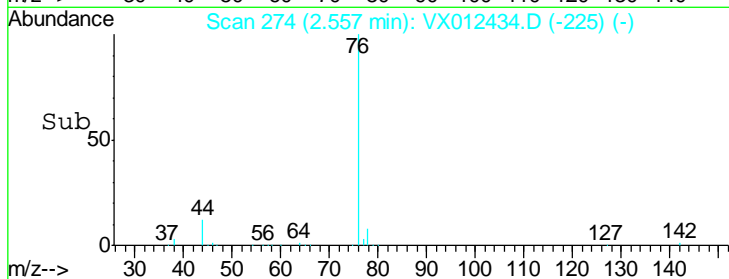
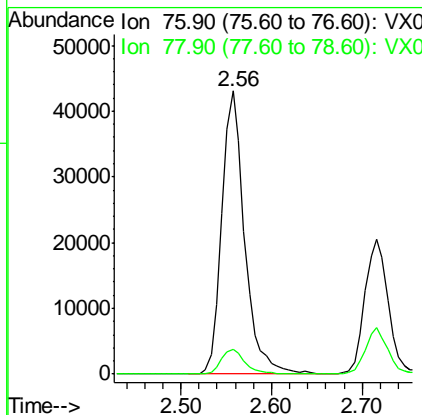
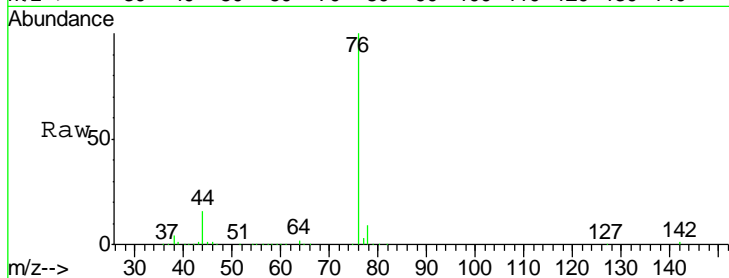
#17
 Carbon Disulfide
 Concen: 46.034 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 ClientSampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
76	100		
78	8.8	7.3	10.9

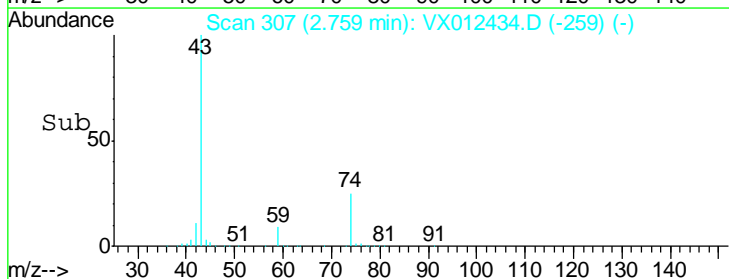
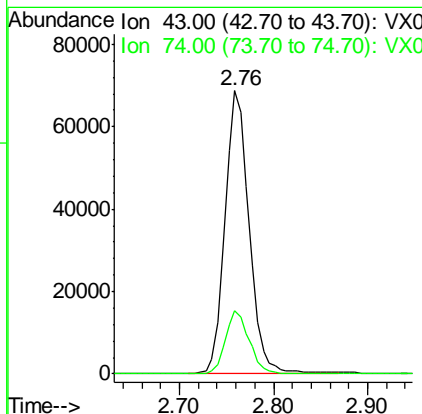
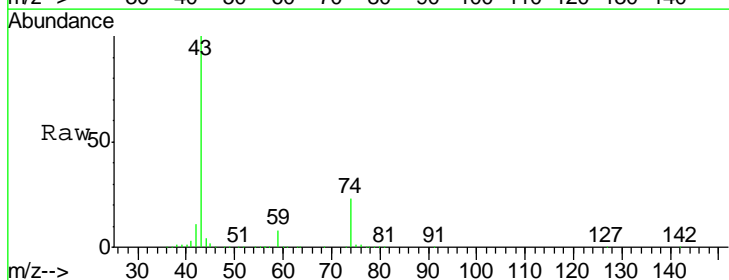
Manual Integrations
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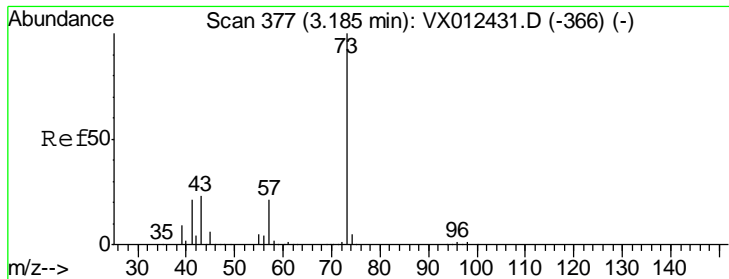
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#18
 Methyl Acetate
 Concen: 43.756 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.7	17.7	26.5



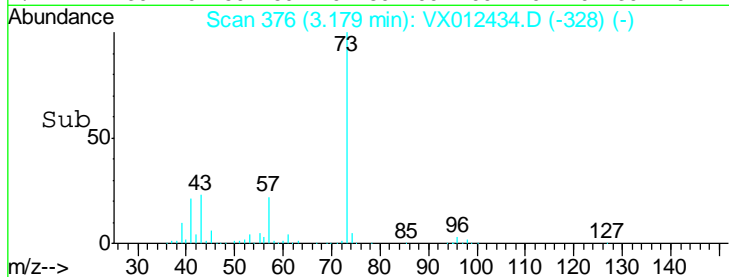
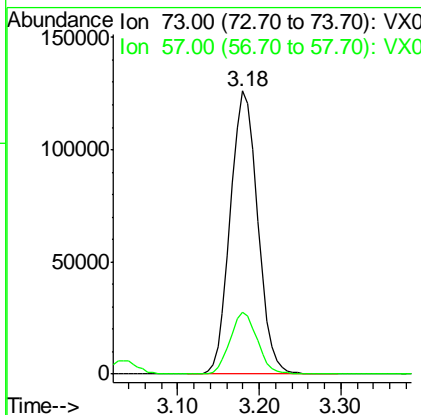
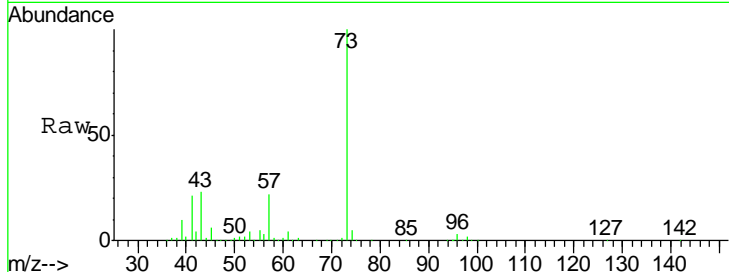


#19
Methyl tert-butyl Ether
Concen: 45.910 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.1	16.8	25.2

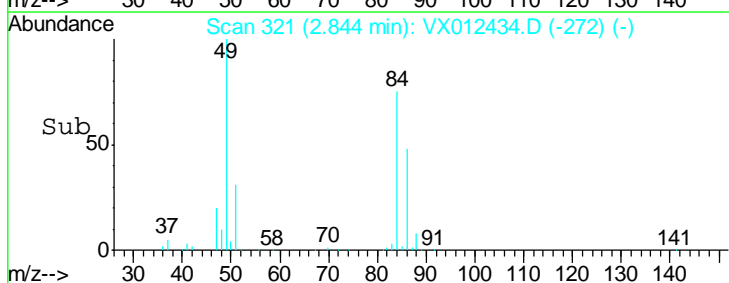
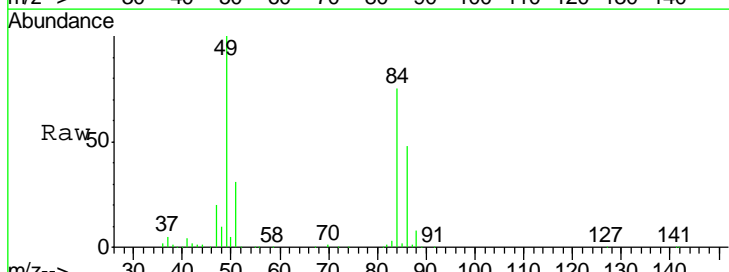
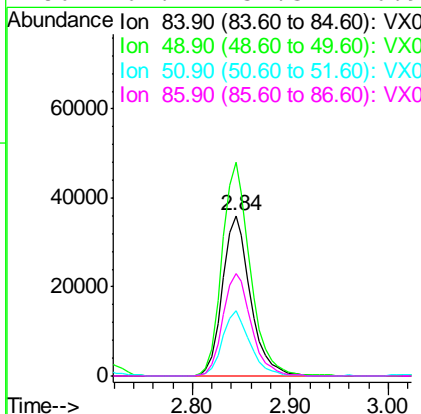
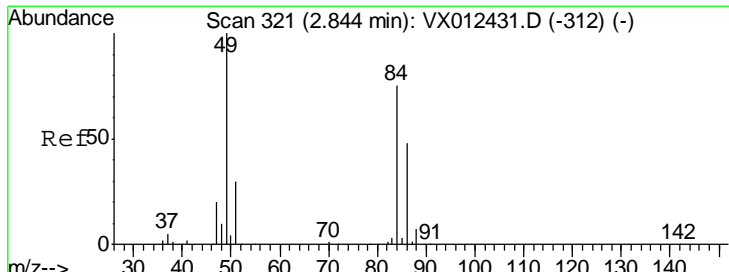
Instrument : MSVOA_X
Client Sampled : ICVVX091719

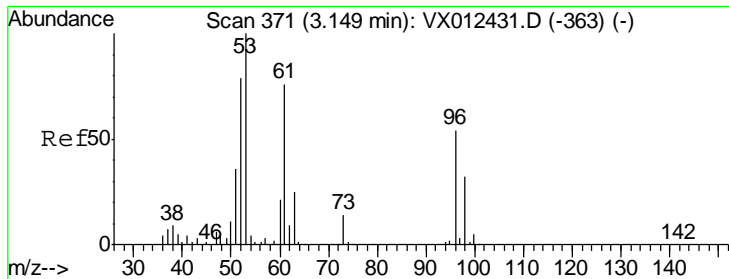
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#20
Methylene Chloride
Concen: 44.052 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
84	100		
49	133.4	106.8	160.2
51	40.9	32.3	48.5
86	64.2	51.3	76.9





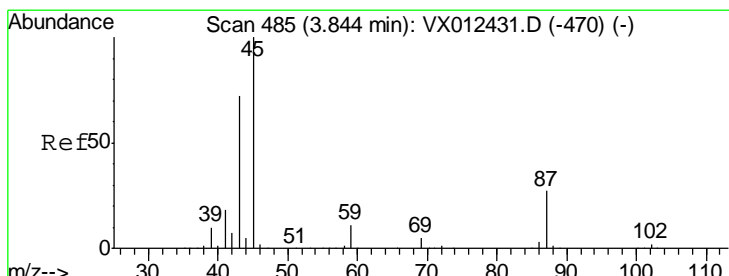
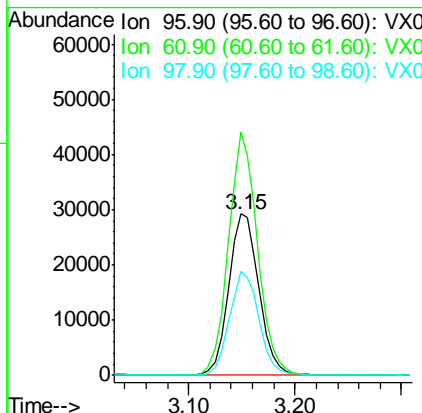
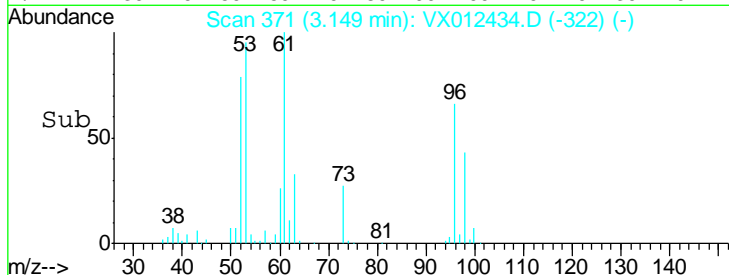
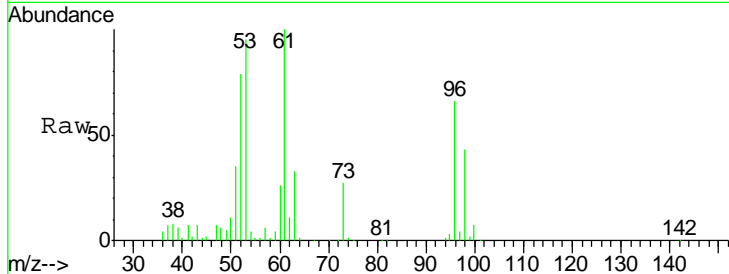
#21
 trans-1,2-Dichloroethene
 Concen: 47.787 ug/l
 RT: 3.15 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

Tgt Ion	Resp	Lower	Upper
96	57971		
96	100		
61	150.8	112.0	168.0
98	64.2	47.8	71.8

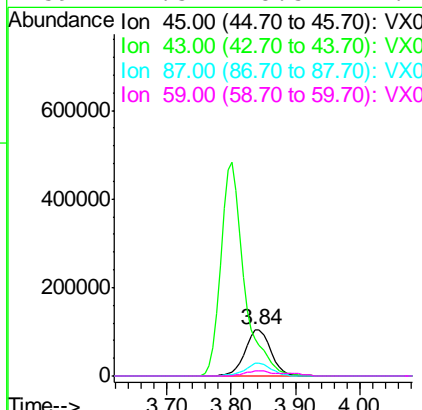
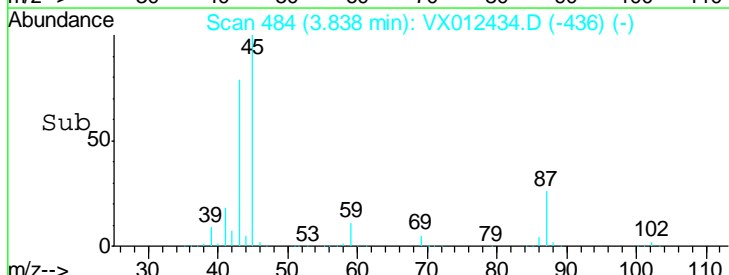
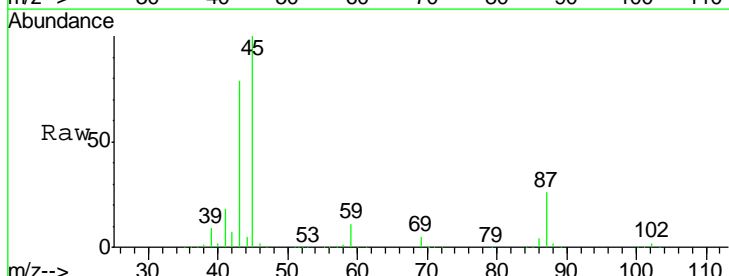
Manual Integrations
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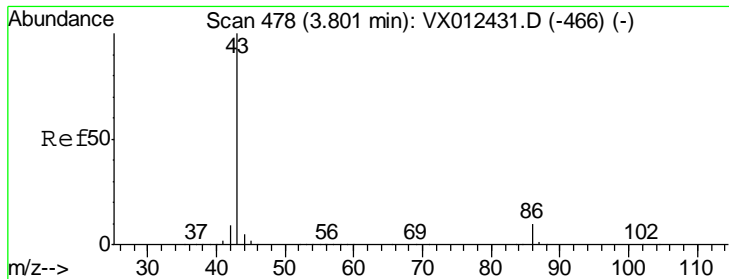
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 9/18/2019 11:23:38 AM



#22
 Diisopropyl ether
 Concen: 45.265 ug/l
 RT: 3.84 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
45	288253		
45	100		
43	78.8	57.8	86.8
87	26.2	21.3	31.9
59	11.5	8.5	12.7



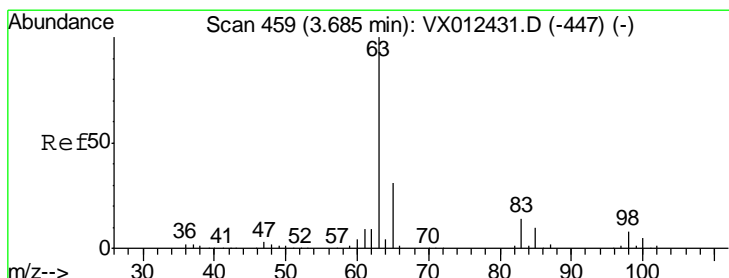
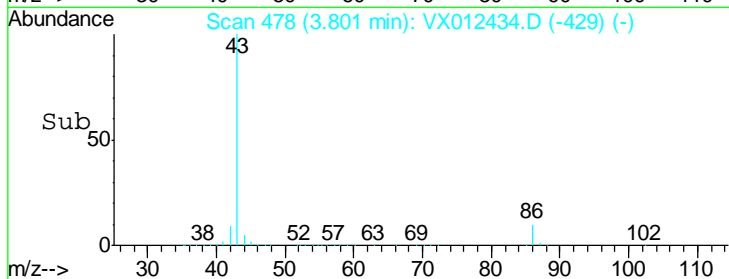
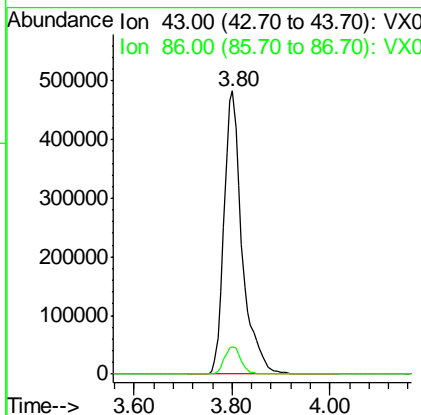
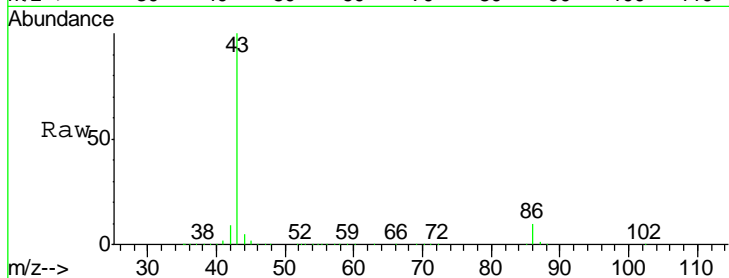


#23
 Vinyl Acetate
 Concen: 236.561 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
43	100		
86	9.8	7.8	11.8

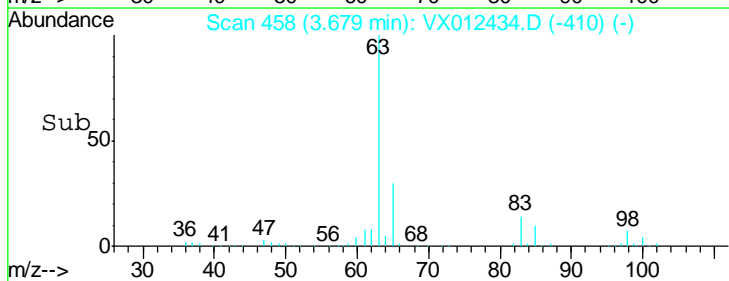
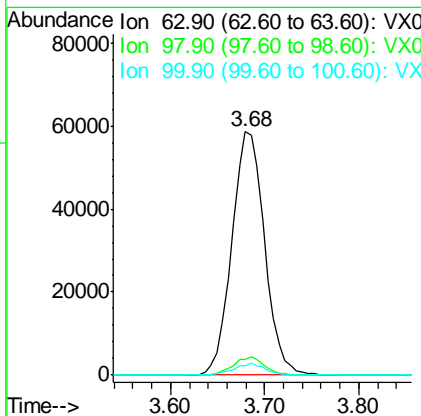
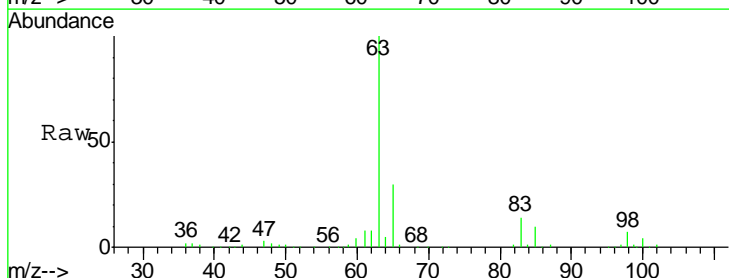
Instrument : MSVOA_X
 ClientSampled : ICVVX091719

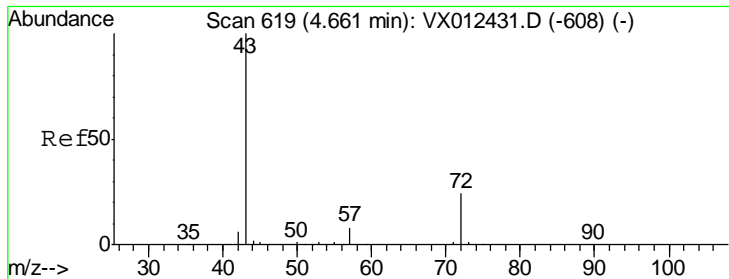
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#24
 1,1-Dichloroethane
 Concen: 46.573 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.6	3.9	11.7
100	4.1	2.3	6.9





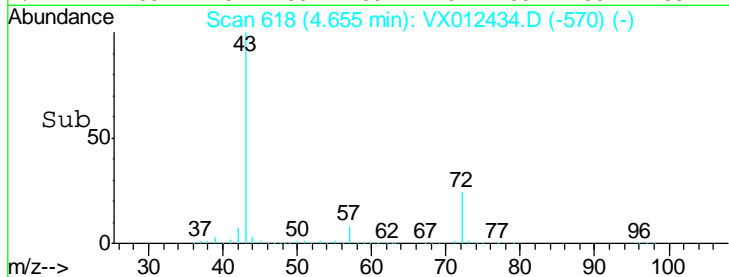
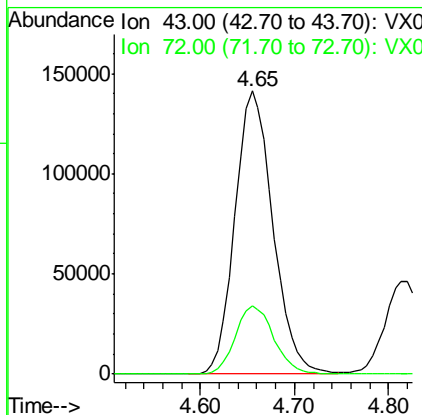
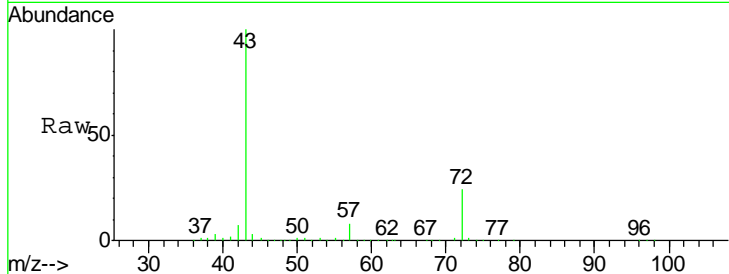
#25
 2-Butanone
 Concen: 214.558 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
43	100		
72	24.1	19.2	28.8

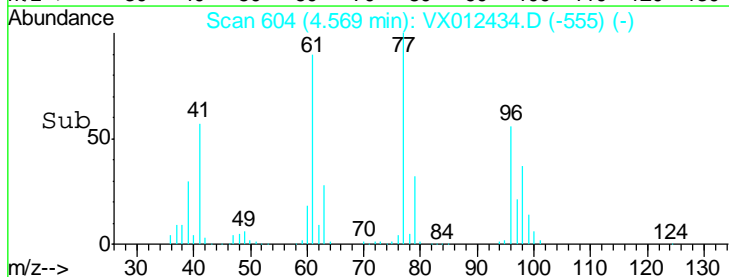
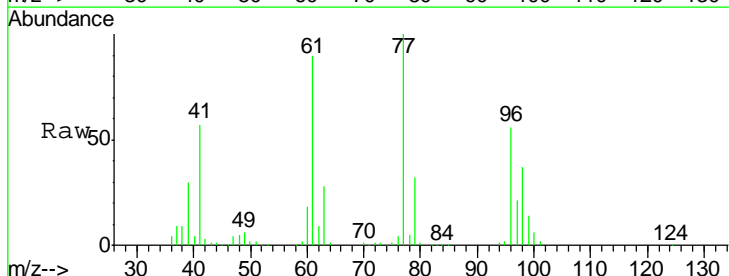
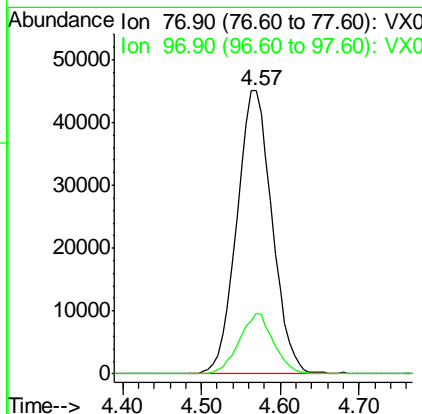
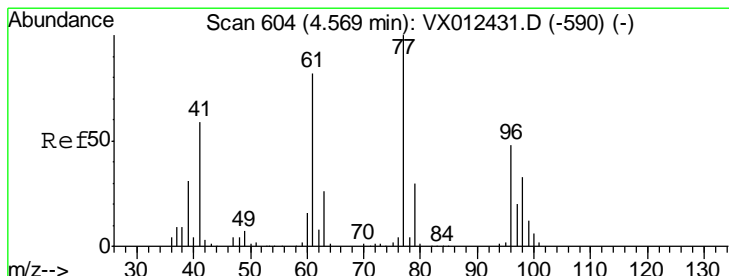
Manual Integrations
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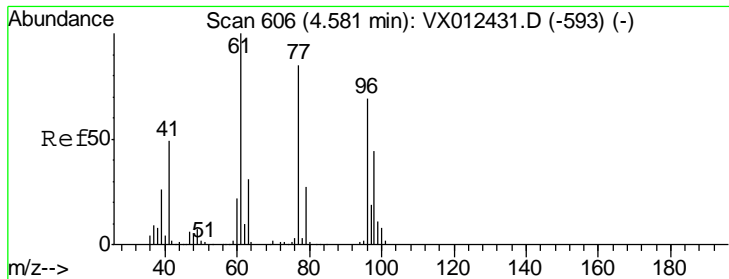
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#26
 2,2-Dichloropropane
 Concen: 46.772 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
77	100		
97	20.7	10.5	31.6



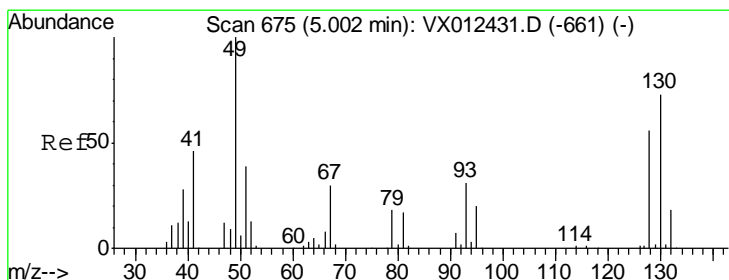
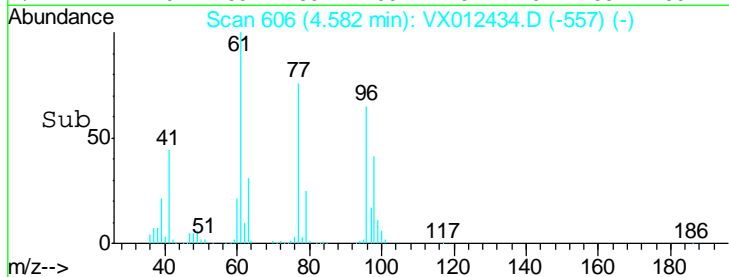
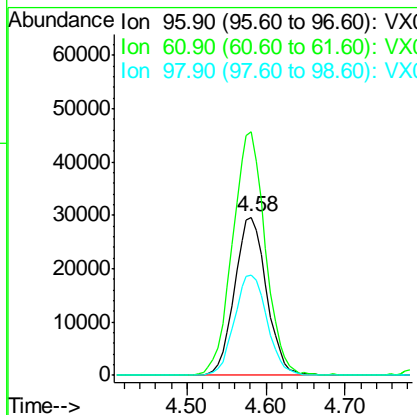
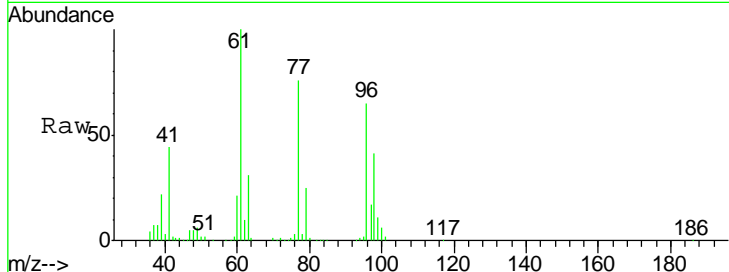


#27
 cis-1,2-Dichloroethene
 Concen: 46.180 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
96	83686		
96	100		
61	157.9	0.0	319.4
98	64.8	0.0	130.6

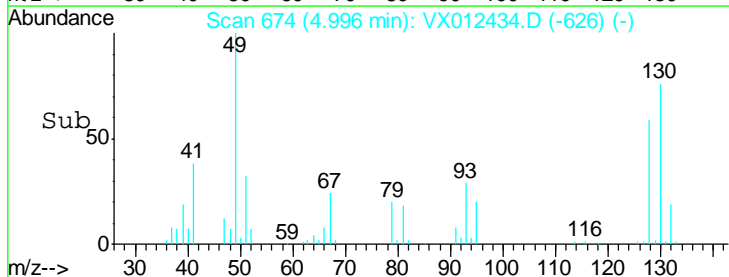
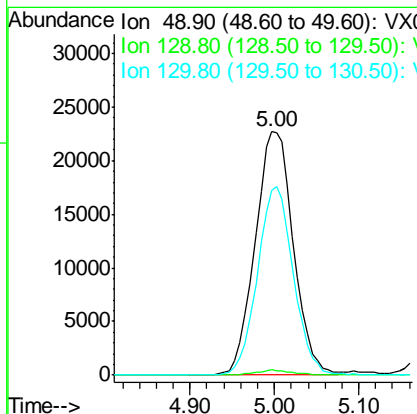
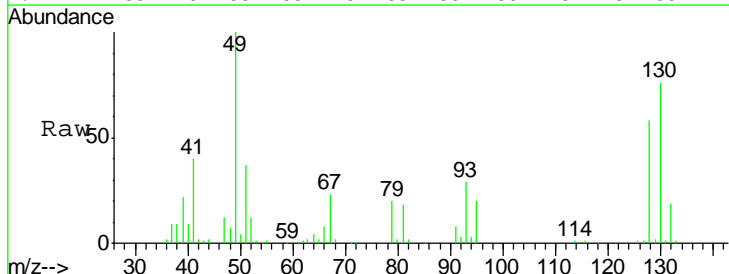
Instrument : MSVOA_X
 ClientSampled : ICVVX091719

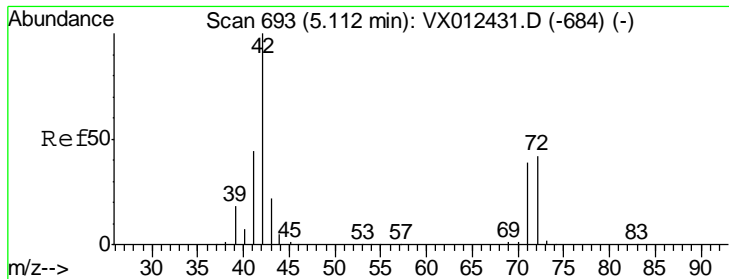
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#28
 Bromochloromethane
 Concen: 44.923 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
49	70565		
49	100		
129	2.0	0.0	3.8
130	72.9	58.2	87.4



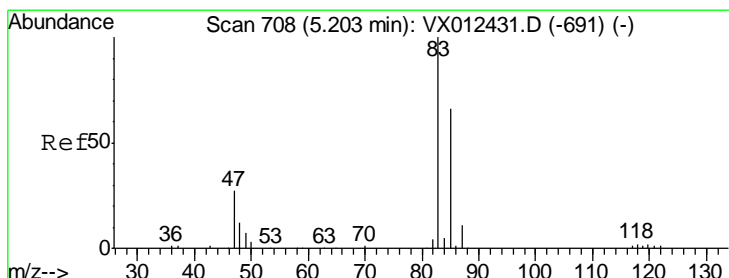
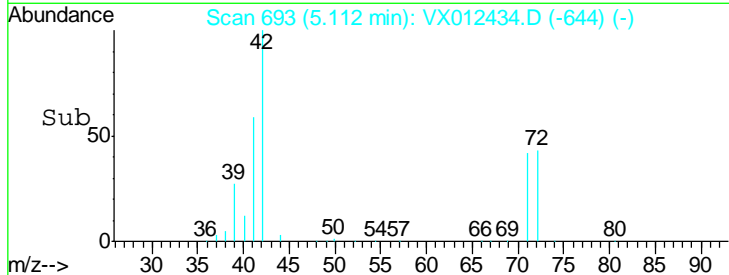
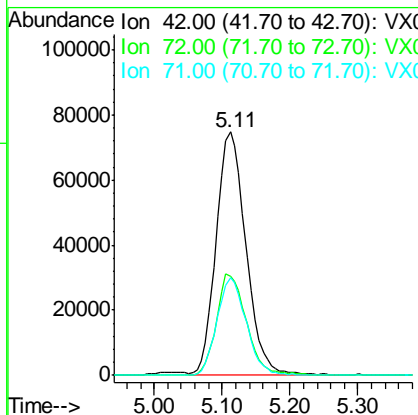
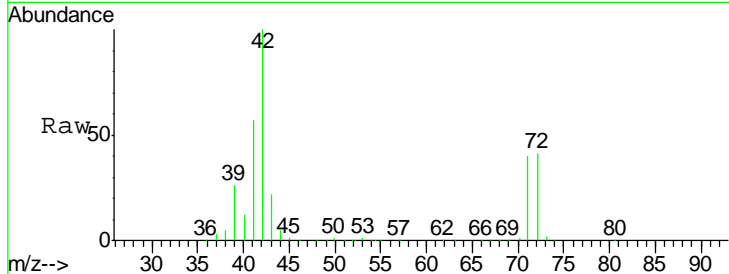


#29
 Tetrahydrofuran
 Concen: 222.835 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
42	100		
72	41.9	34.0	51.0
71	39.4	31.5	47.3

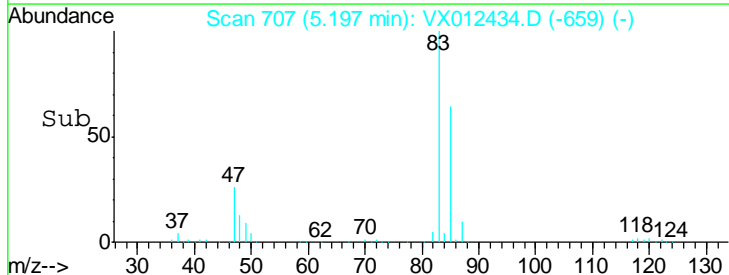
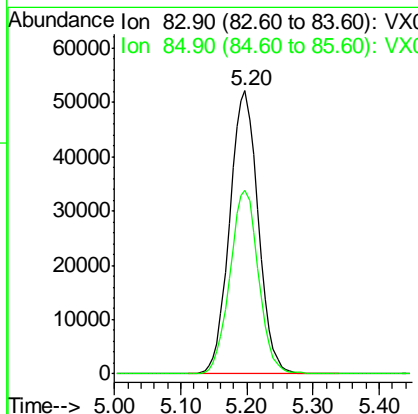
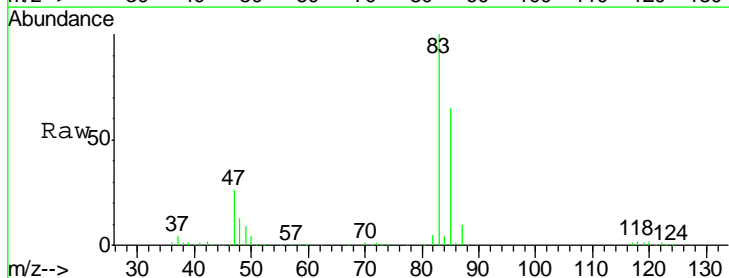
Instrument : MSVOA_X
 ClientSampled : ICVVX091719

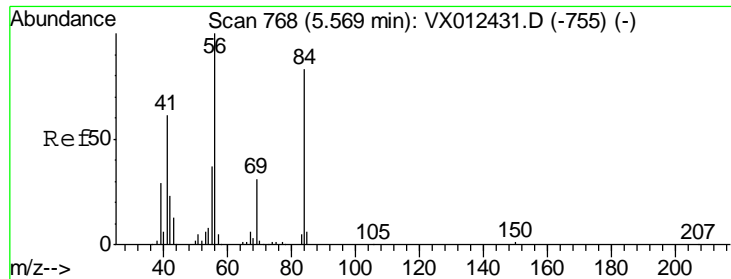
Manual Integrations APPROVED
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#30
 Chloroform
 Concen: 44.599 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.9	53.0	79.4





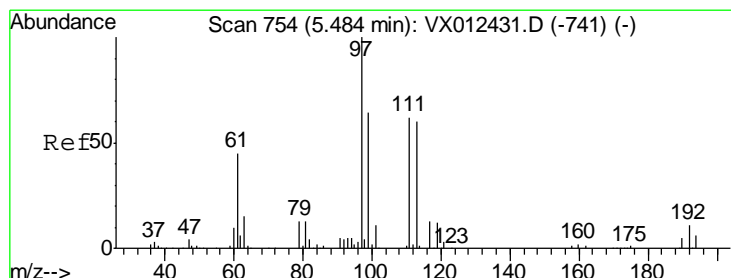
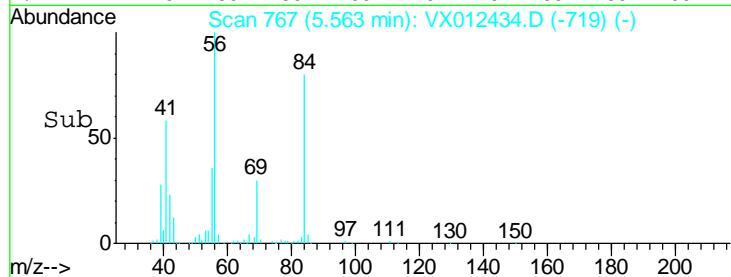
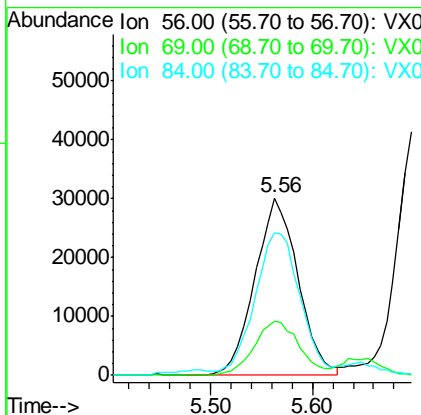
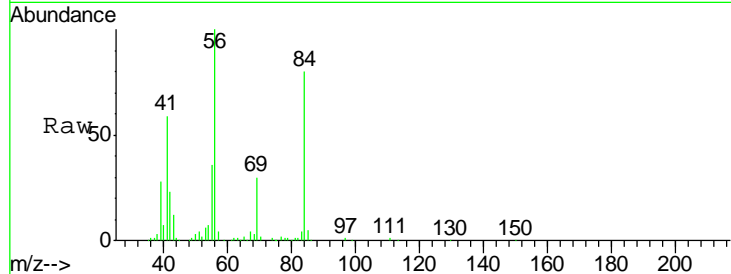
#31
 Cyclohexane
 Concen: 48.113 ug/l
 RT: 5.56 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX091719

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	78.0	66.4	99.6

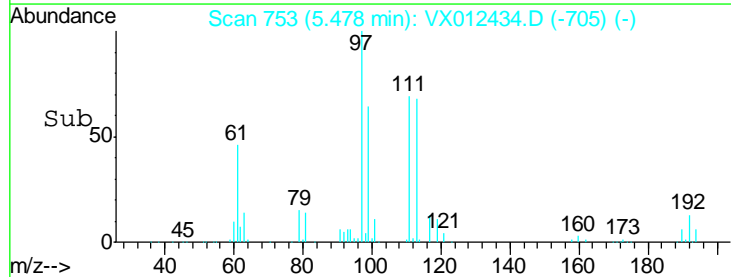
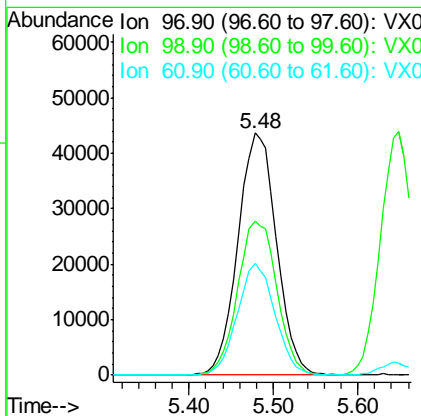
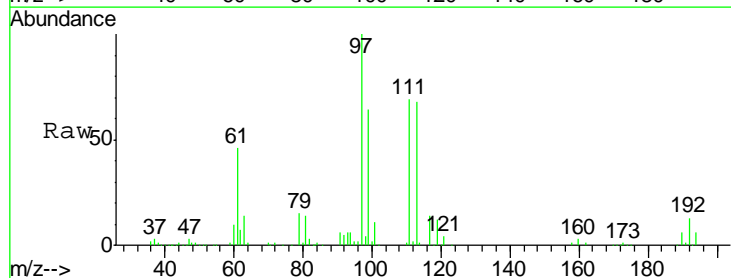
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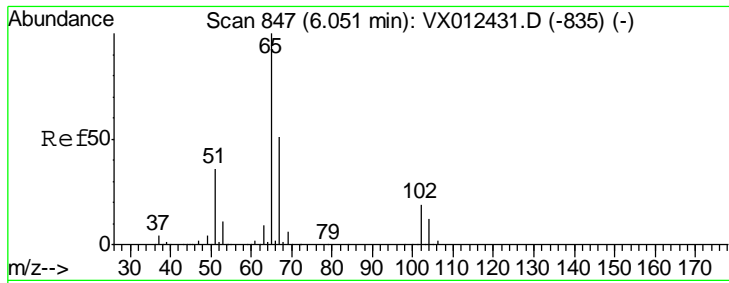
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#32
 1,1,1-Trichloroethane
 Concen: 46.311 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	45.2	36.1	54.1



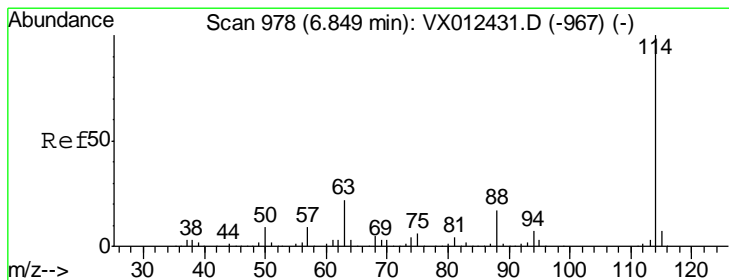
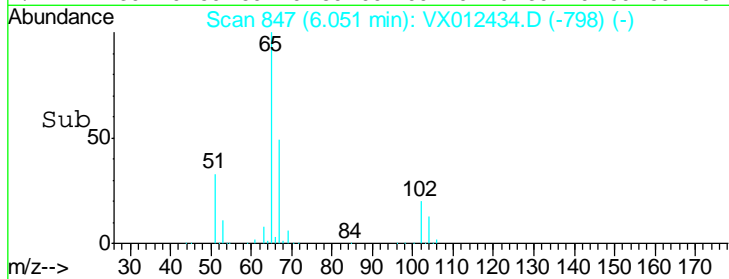
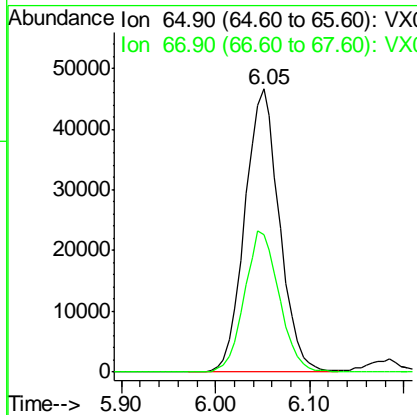
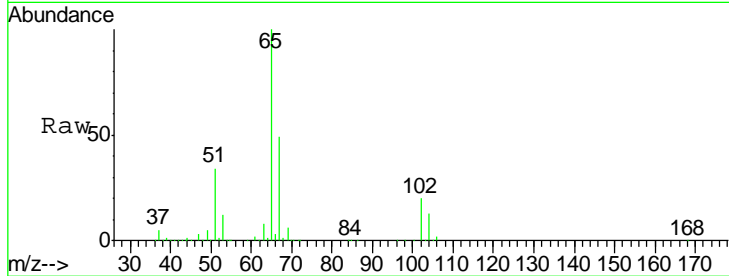


#33
 1,2-Dichloroethane-d4
 Concen: 45.105 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
65	120117		
65	100		
67	50.2	0.0	101.2

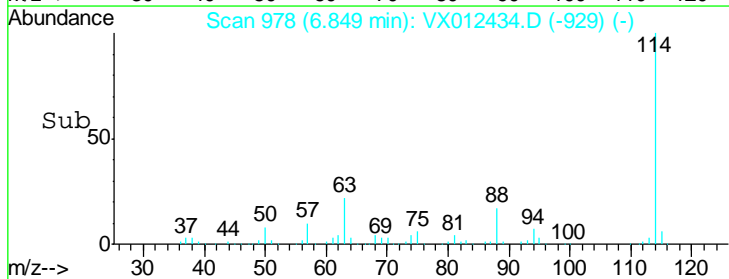
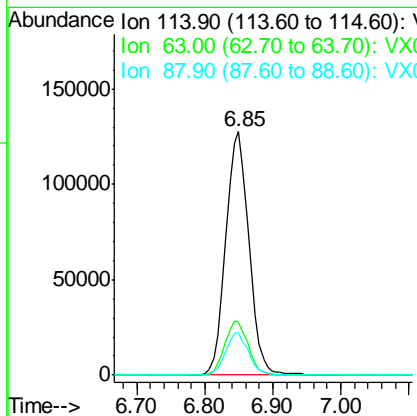
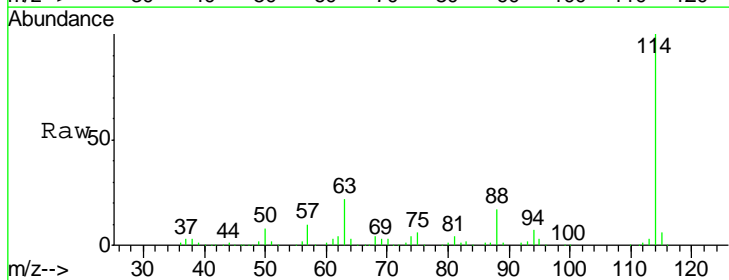
Instrument : MSVOA_X
 ClientSampled : ICVVX091719

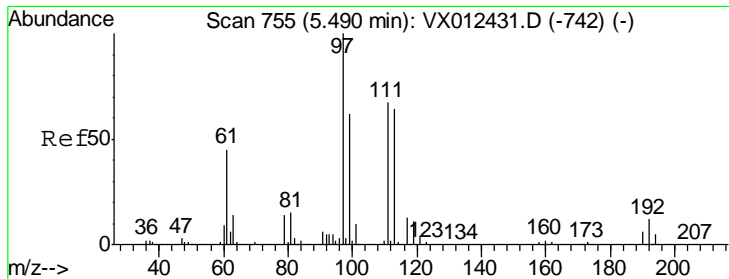
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

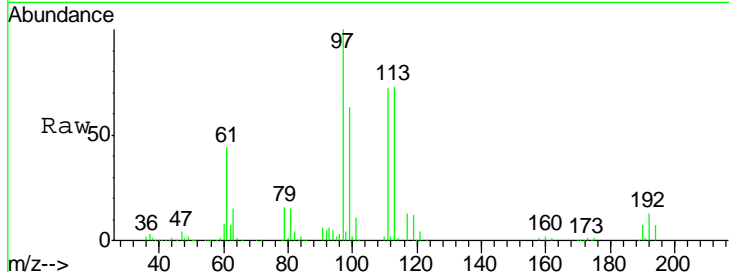
Tgt Ion	Resp	Lower	Upper
114	300817		
114	100		
63	22.0	0.0	43.2
88	17.4	0.0	33.2





#35
 Dibromofluoromethane
 Concen: 48.246 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

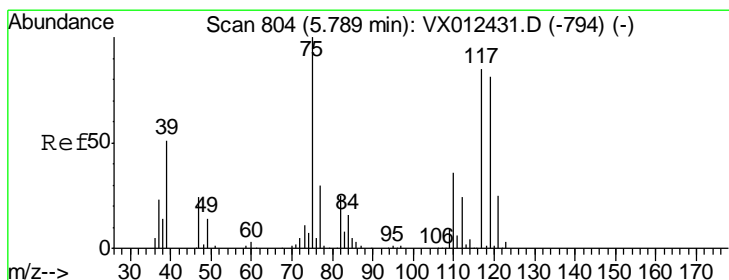
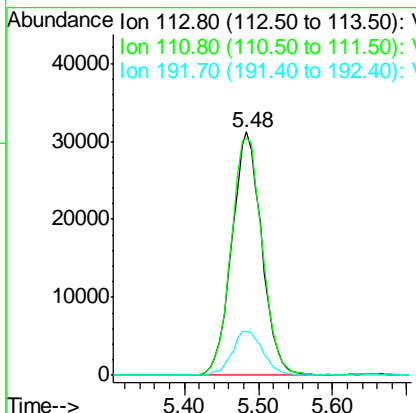
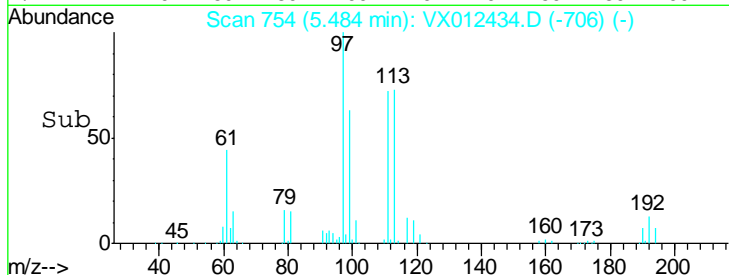
Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX091719



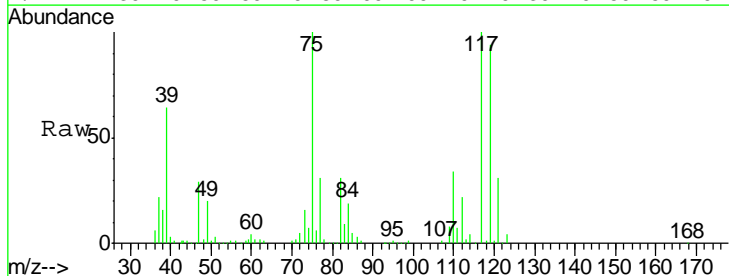
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.1	83.4	125.2
192	18.9	14.4	21.6

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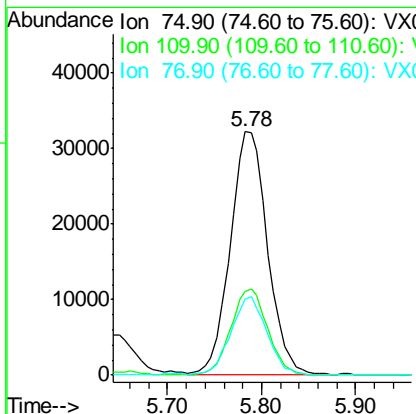
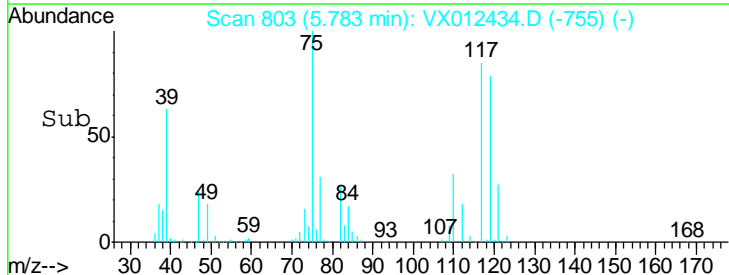
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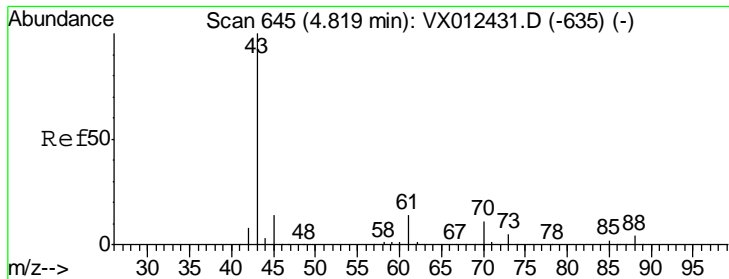


#36
 1,1-Dichloropropene
 Concen: 48.112 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22



Tgt Ion	Resp	Lower	Upper
75	100		
110	35.3	16.7	50.0
77	31.8	24.2	36.2





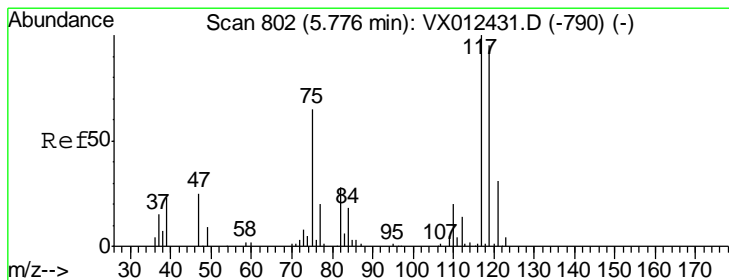
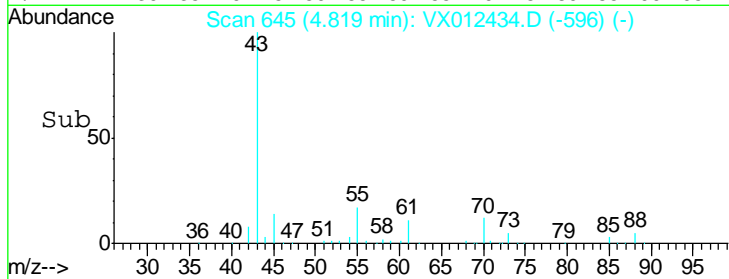
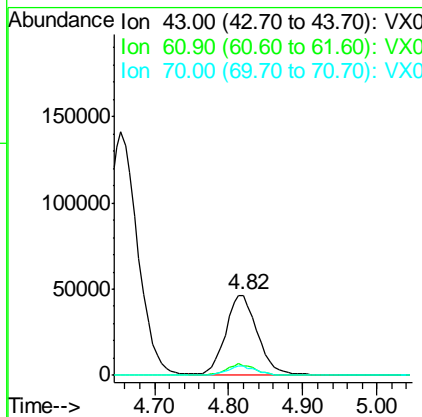
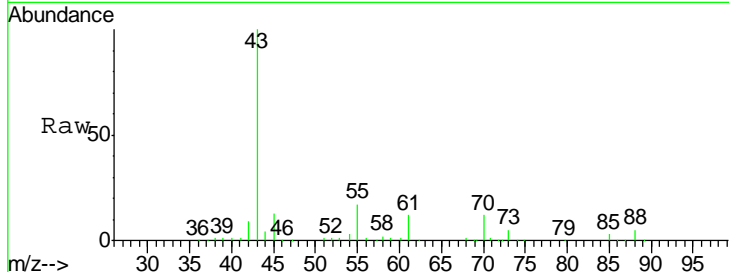
#37
Ethyl Acetate
Concen: 49.017 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
ClientSampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
43	137558		
61	12.7	10.2	15.4
70	11.0	8.7	13.1

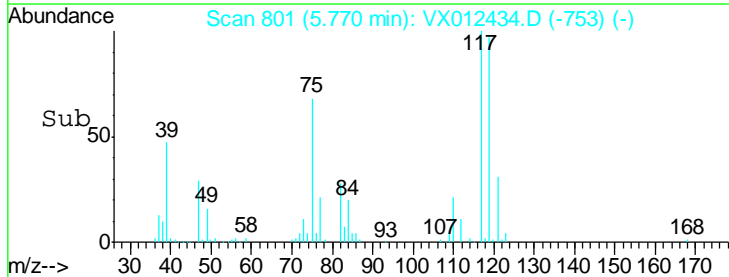
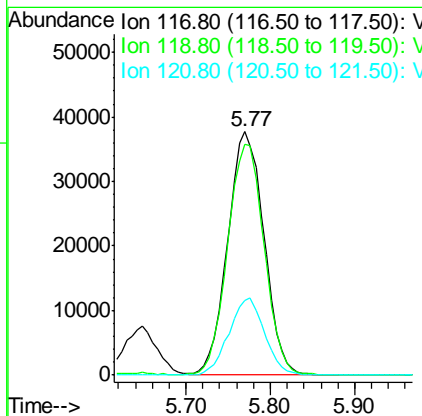
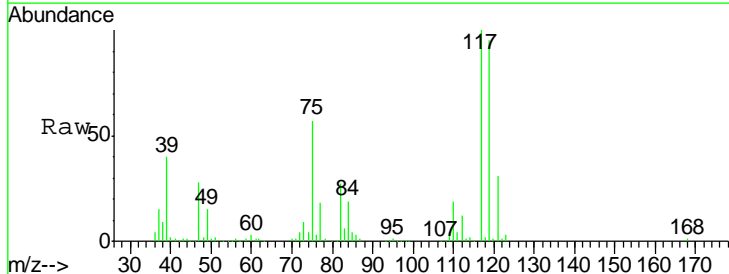
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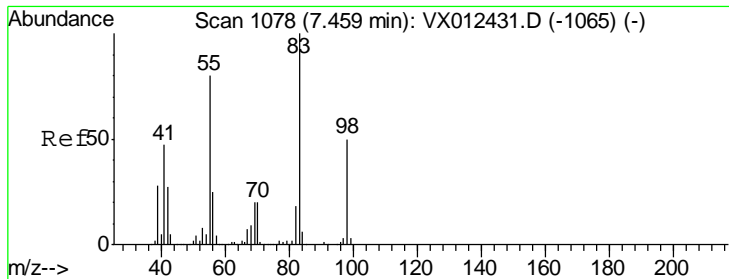
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#38
Carbon Tetrachloride
Concen: 48.667 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
117	110659		
119	94.9	75.7	113.5
121	30.7	24.2	36.4





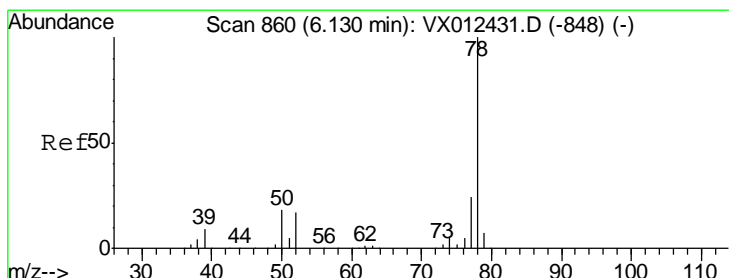
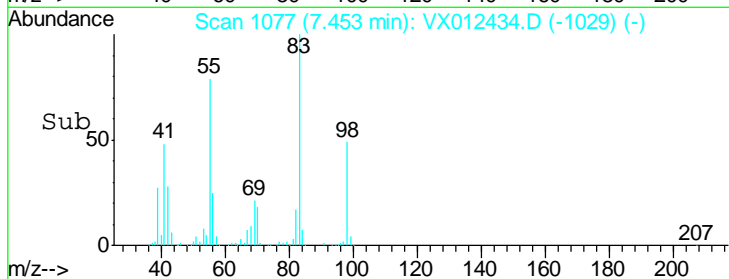
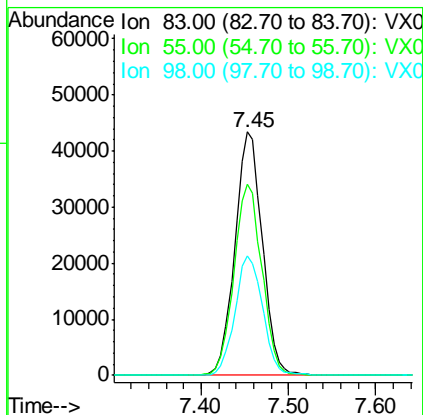
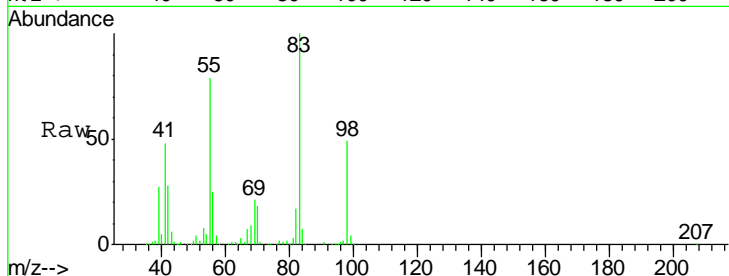
#39
 Methylcyclohexane
 Concen: 53.311 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
83	94749		
83	100		
55	78.6	64.4	96.6
98	48.9	40.1	60.1

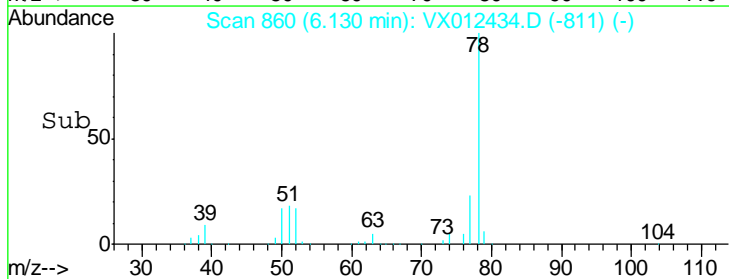
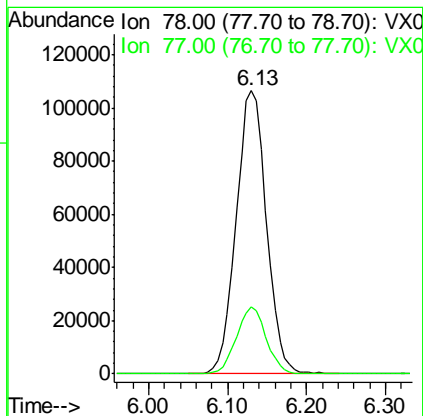
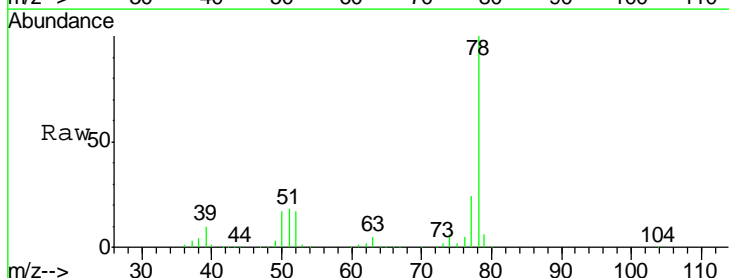
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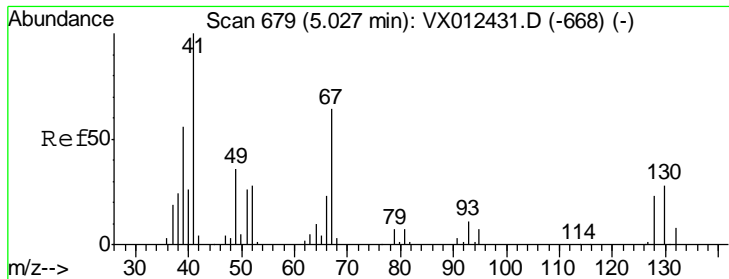
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#40
 Benzene
 Concen: 48.860 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
78	284053		
78	100		
77	23.7	19.2	28.8



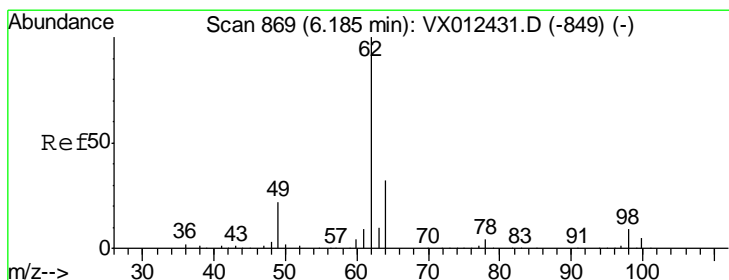
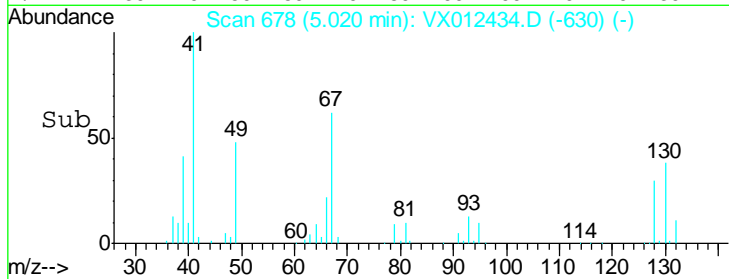
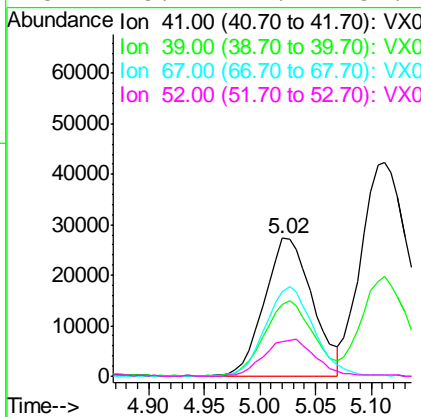
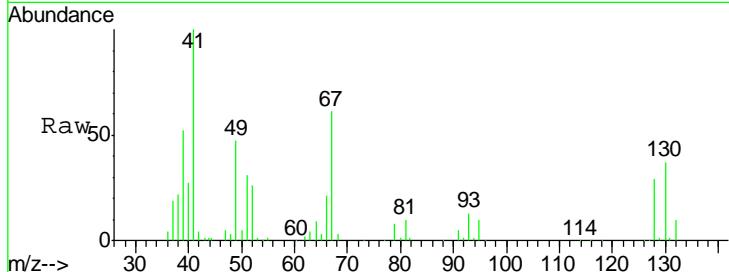


#41
 Methacrylonitrile
 Concen: 45.521 ug/l
 RT: 5.02 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
41	100		
39	54.7	46.0	69.0
67	65.5	52.2	78.2
52	28.2	22.7	34.1

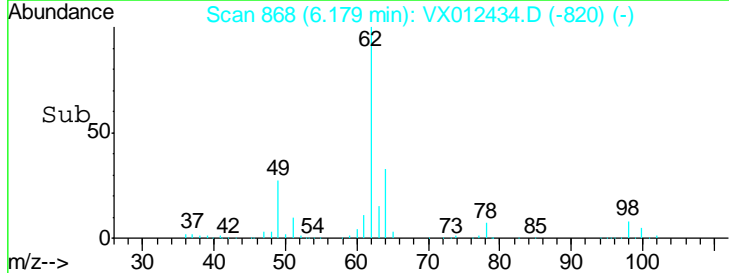
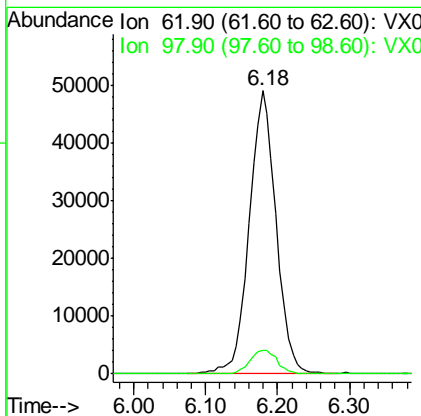
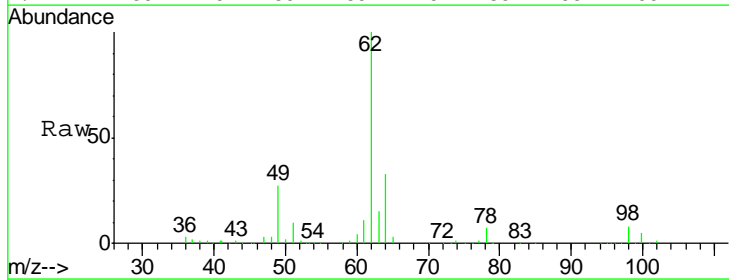
Instrument : MSVOA_X
 ClientSampled : ICVVX091719

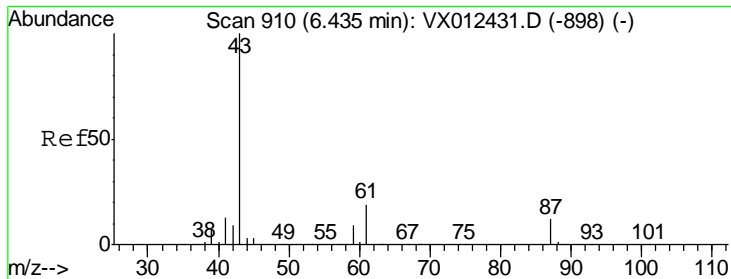
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#42
 1,2-Dichloroethane
 Concen: 46.906 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.6	0.0	17.8





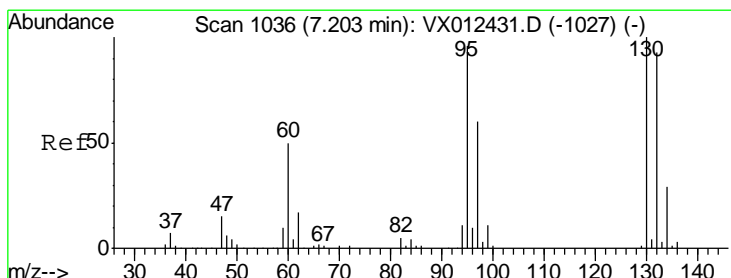
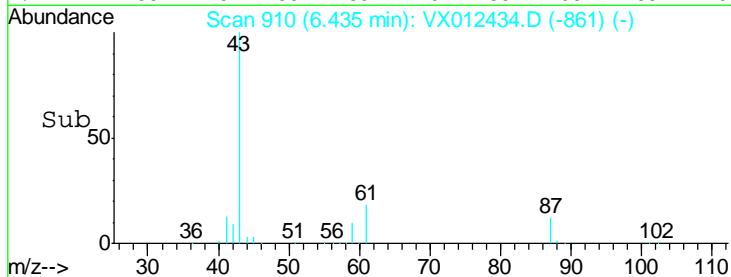
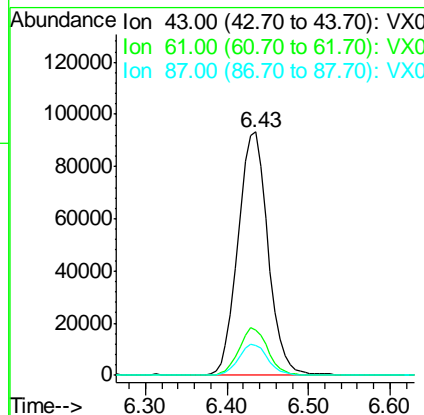
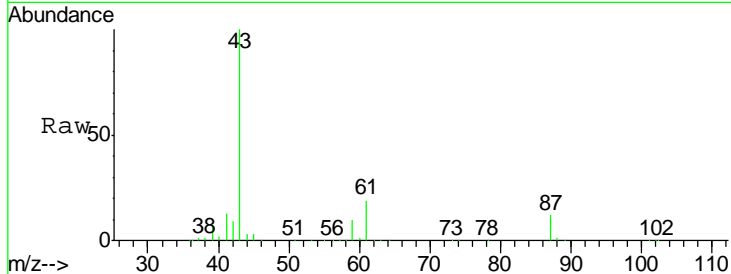
#43
 Isopropyl Acetate
 Concen: 46.912 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	12.5	9.8	14.8

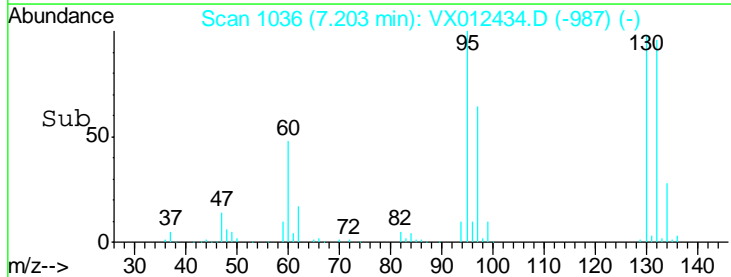
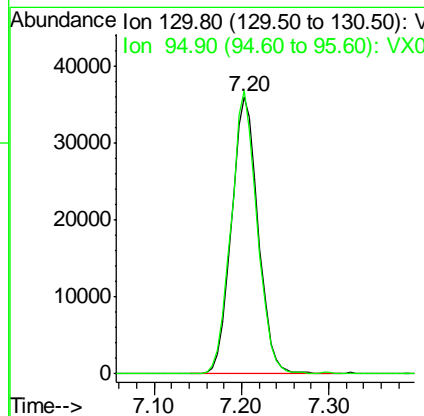
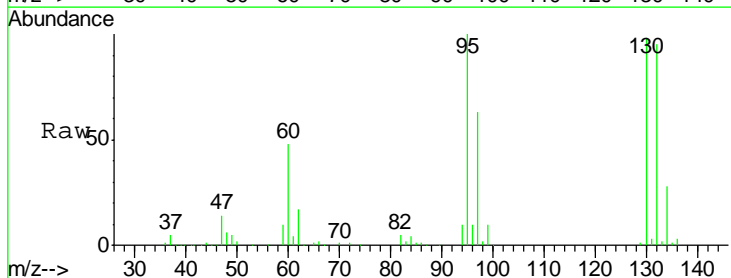
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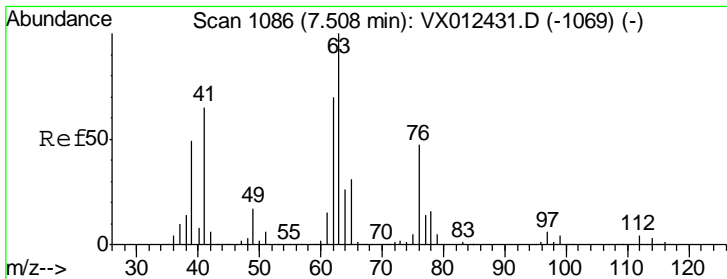
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#44
 Trichloroethene
 Concen: 49.961 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
130	100		
95	102.2	0.0	193.0





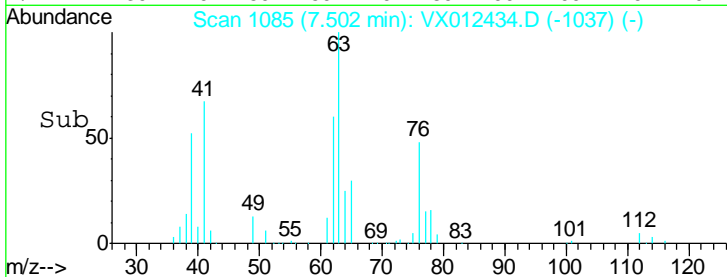
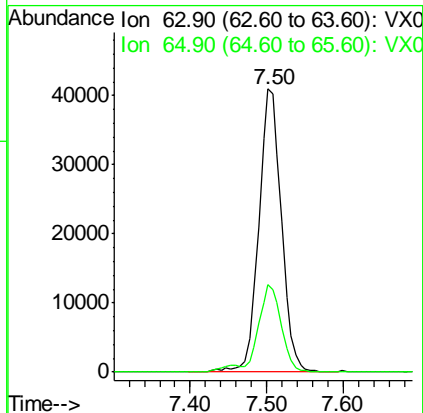
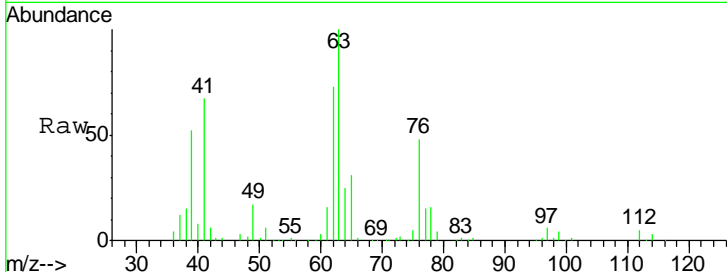
#45
 1,2-Dichloropropane
 Concen: 47.471 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX091719

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.8	25.0	37.6

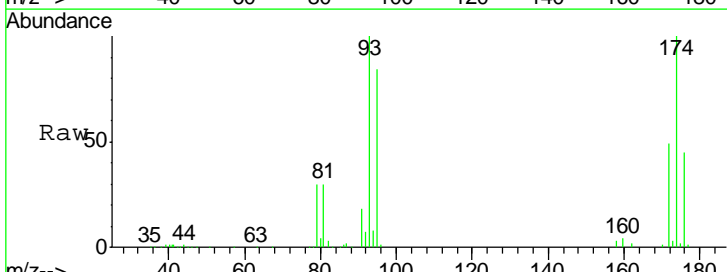
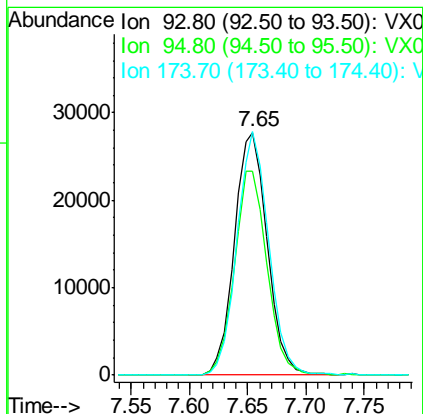
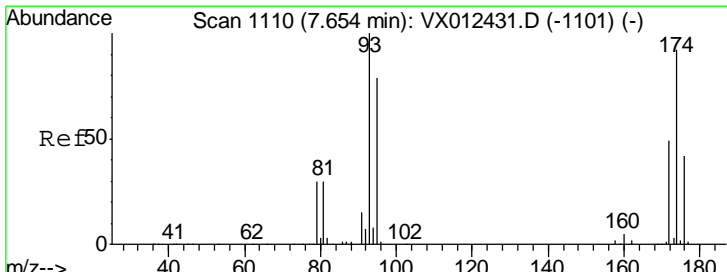
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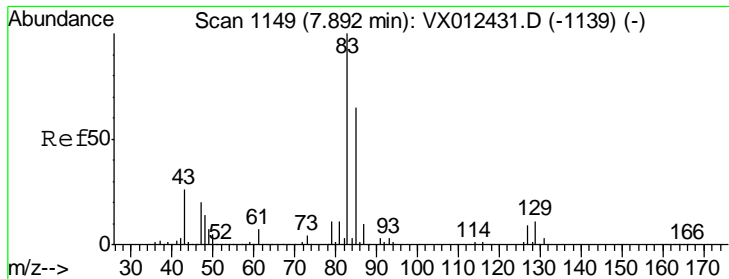
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#46
 Dibromomethane
 Concen: 47.275 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.7	66.6	100.0
174	97.2	77.4	116.0





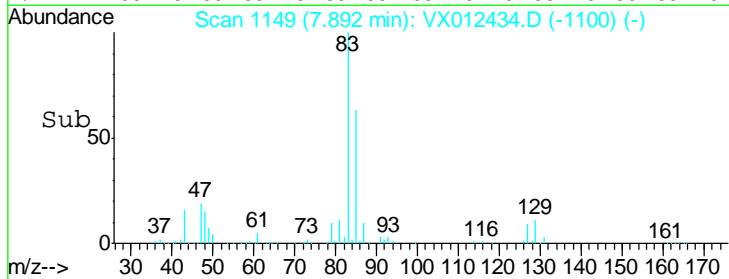
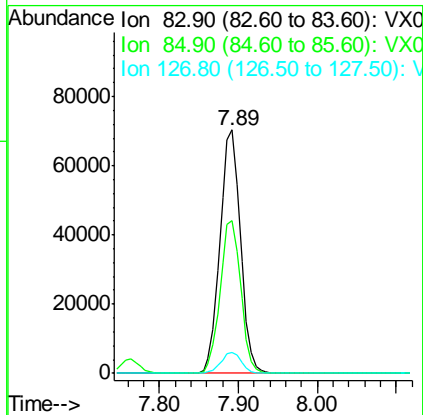
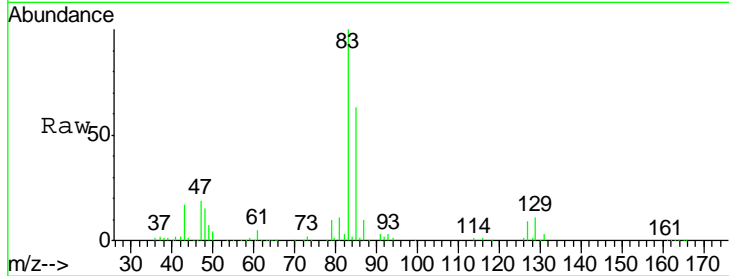
#47
 Bromodichloromethane
 Concen: 49.556 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 ClientSampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
83	127535		
85	62.5	51.8	77.6
127	8.6	7.3	10.9

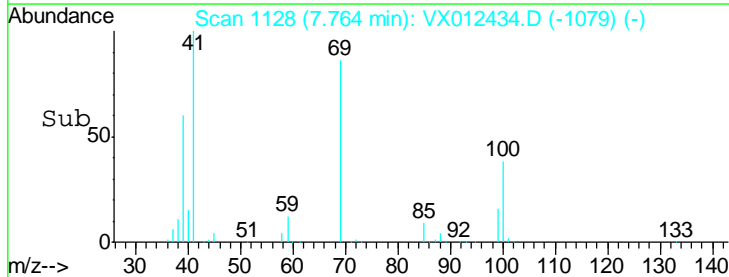
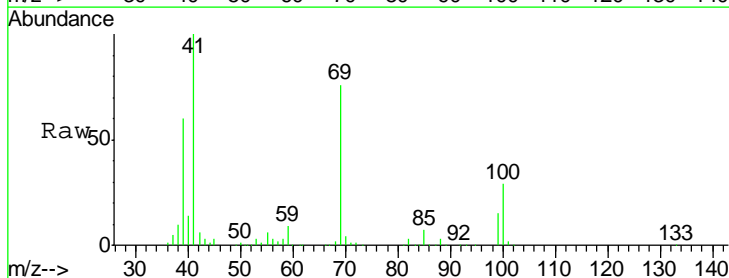
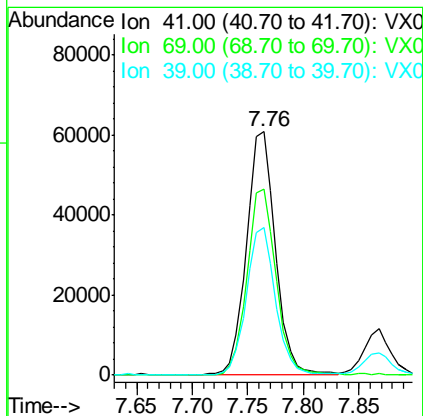
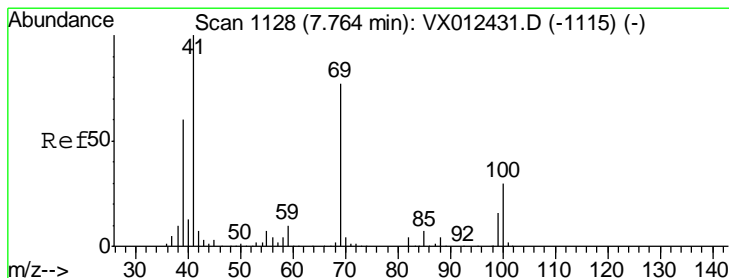
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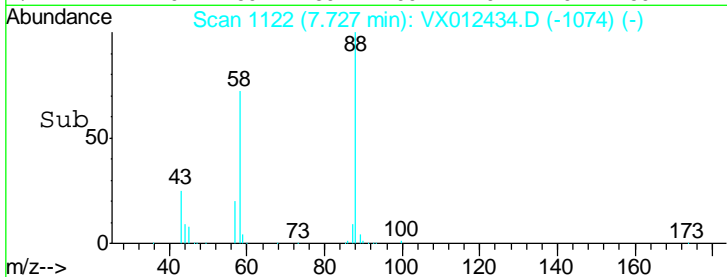
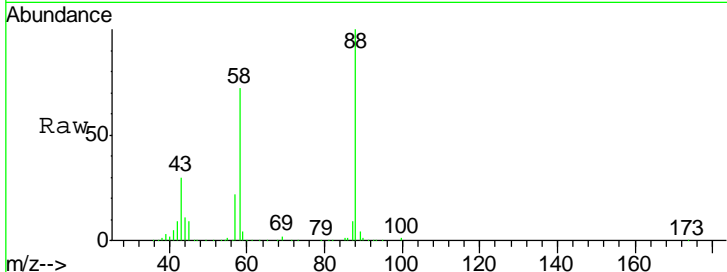
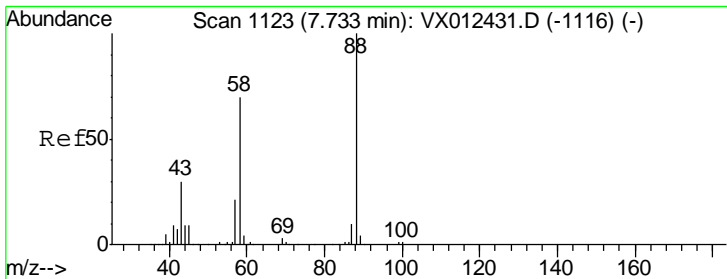
MMDadoda
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#48
 Methyl methacrylate
 Concen: 46.328 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
41	109997		
69	77.1	59.9	89.9
39	60.5	47.8	71.6



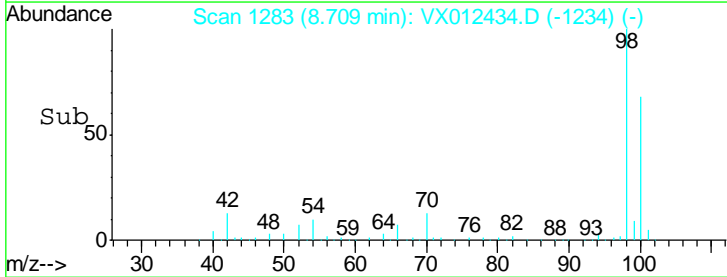
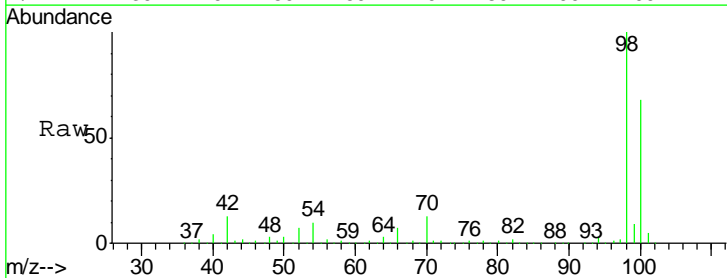
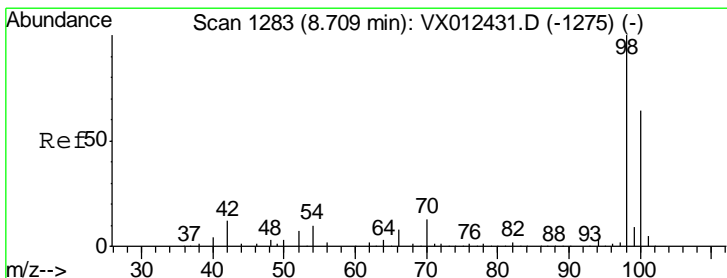
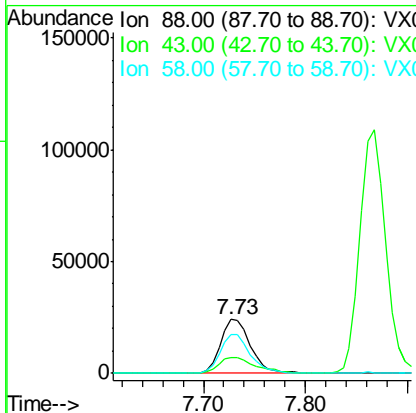


#49
 1,4-Dioxane
 Concen: 856.532 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
88	49496		
88	100		
43	35.3	29.4	44.0
58	72.9	57.5	86.3

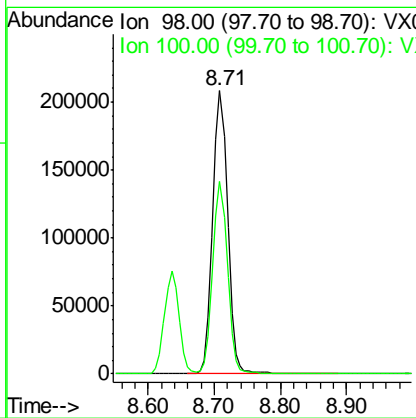
Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX091719

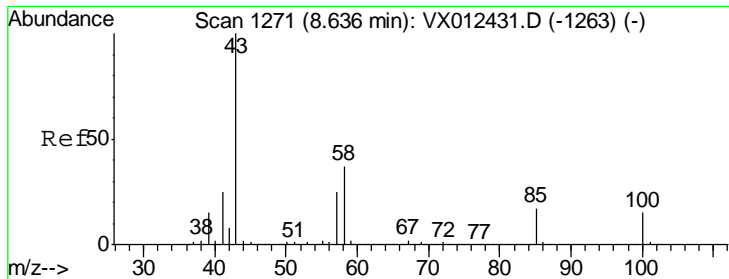
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#50
 Toluene-d8
 Concen: 48.766 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
98	328645		
98	100		
100	66.7	53.4	80.2



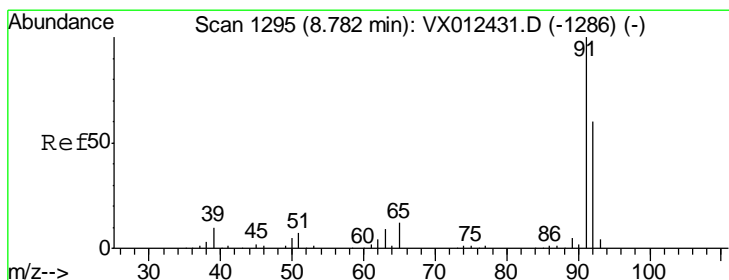
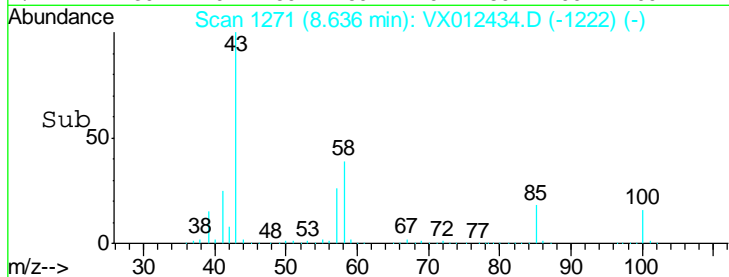
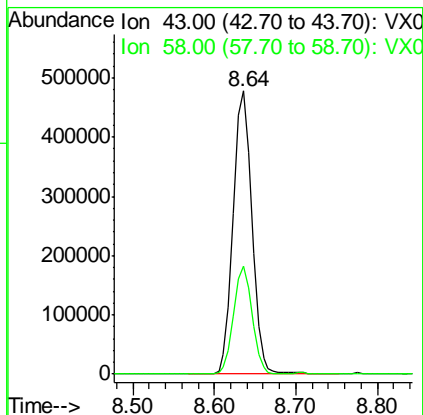
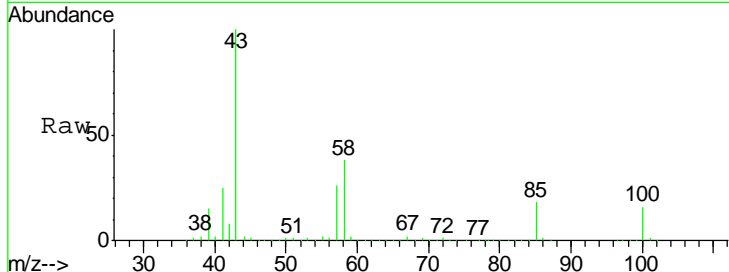


#51
 4-Methyl-2-Pentanone
 Concen: 228.363 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
43	100		
58	37.5	29.8	44.6

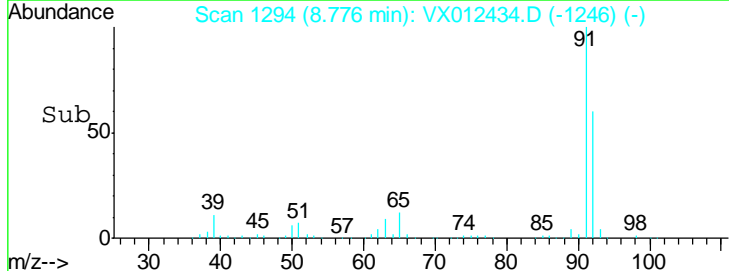
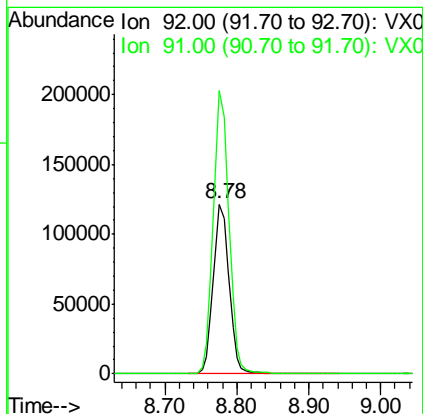
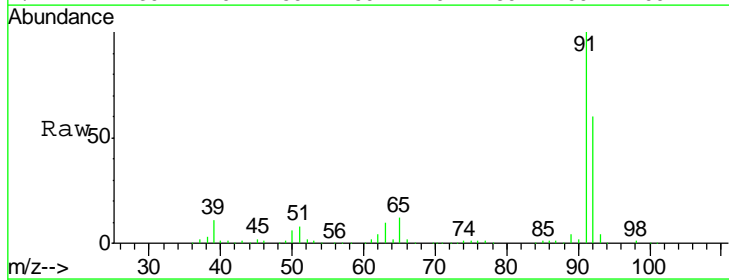
Instrument : MSVOA_X
 Client Sampled : ICVVX091719

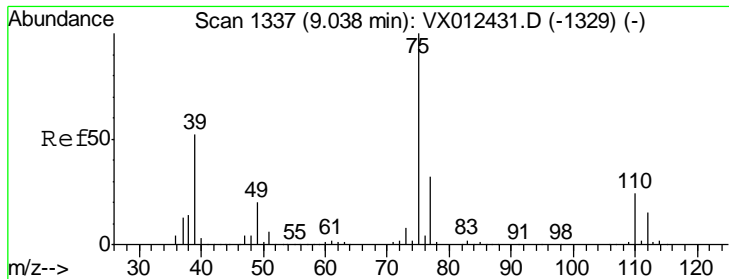
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#52
 Toluene
 Concen: 49.686 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
92	100		
91	165.8	135.4	203.0





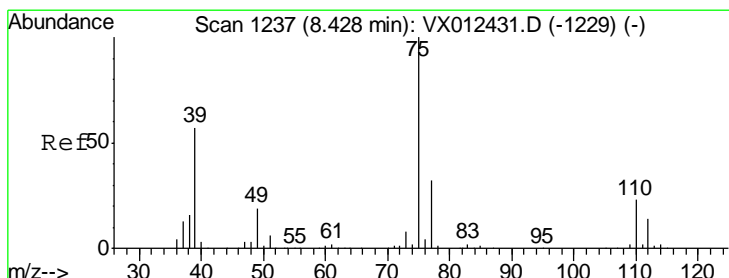
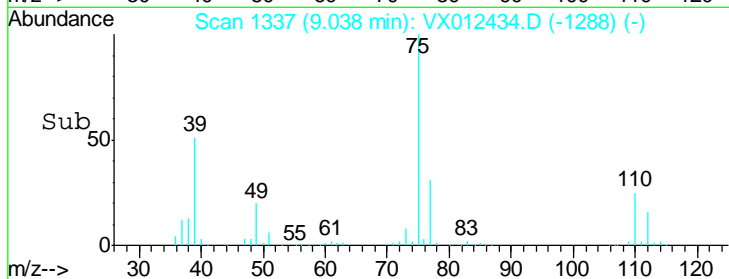
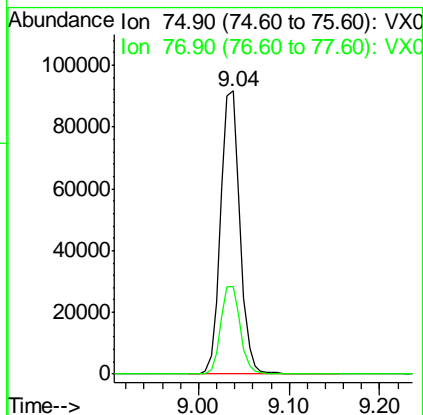
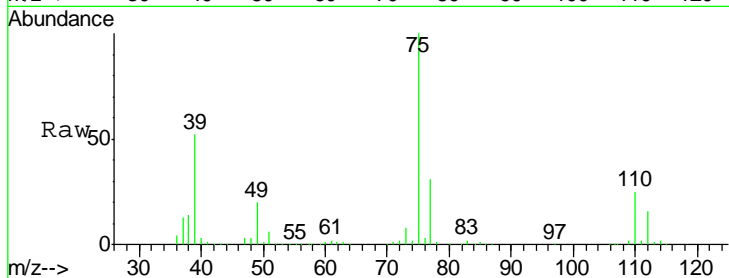
#53
 t-1,3-Dichloropropene
 Concen: 50.759 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 ClientSampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
75	100		
77	30.8	25.2	37.8

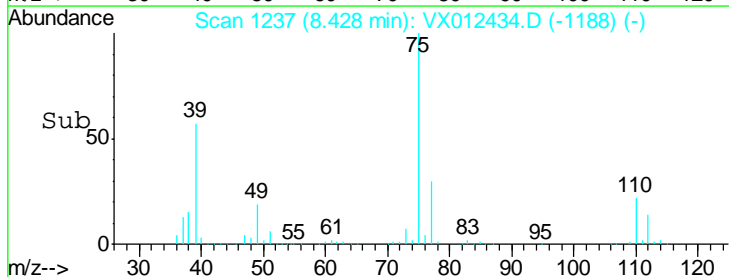
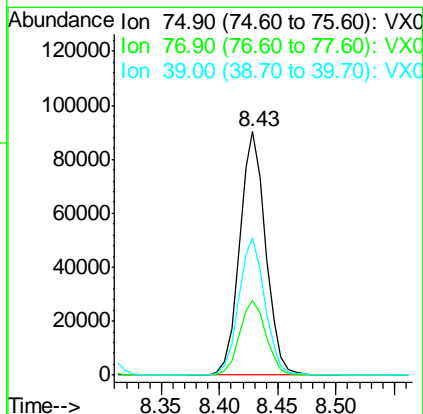
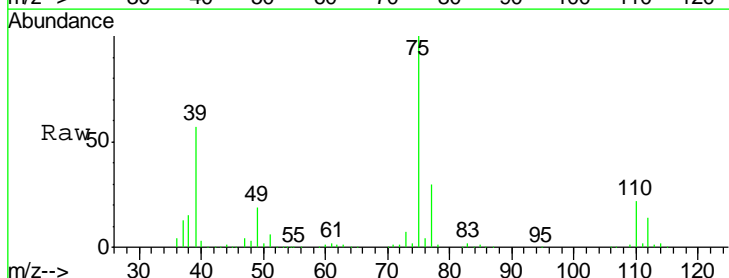
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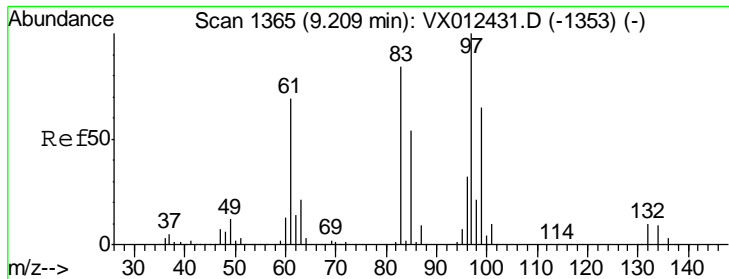
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#54
 cis-1,3-Dichloropropene
 Concen: 50.556 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
75	100		
77	30.4	25.8	38.8
39	56.4	45.5	68.3



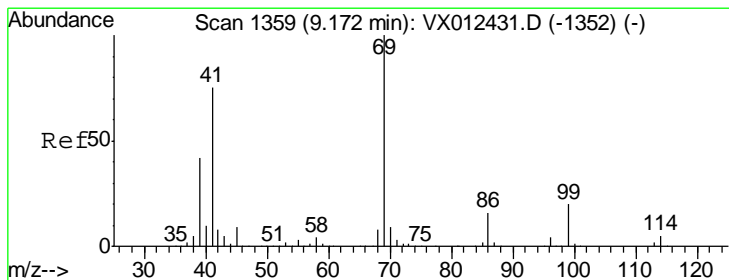
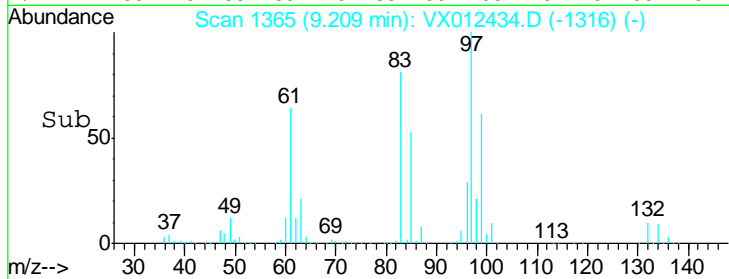
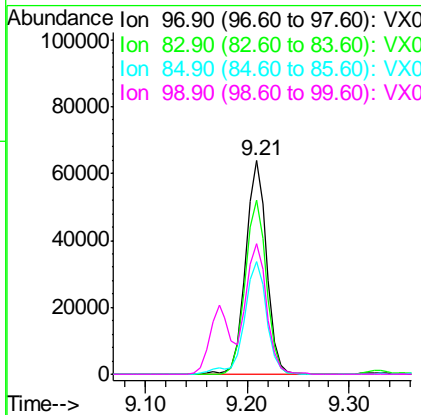
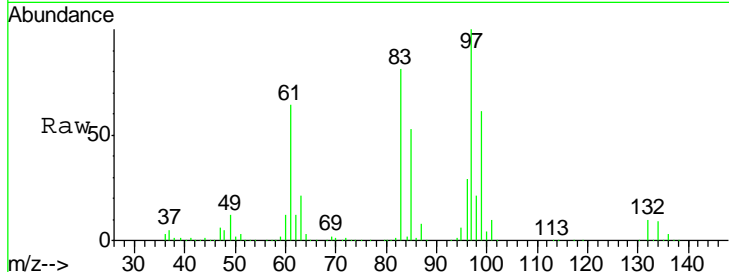


#55
 1,1,2-Trichloroethane
 Concen: 47.406 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
97	100		
83	81.4	67.4	101.2
85	52.9	43.5	65.3
99	61.3	51.8	77.8

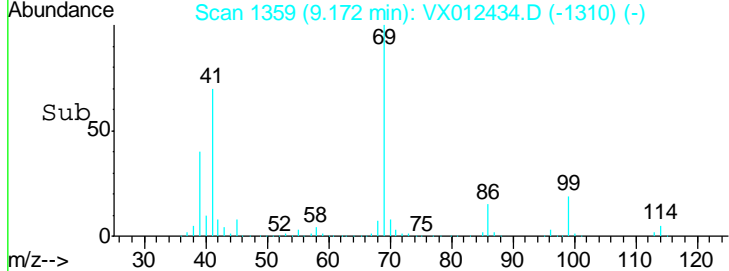
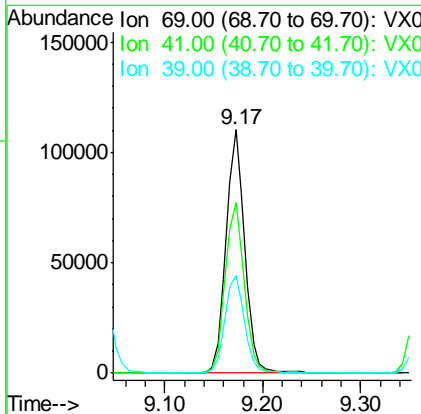
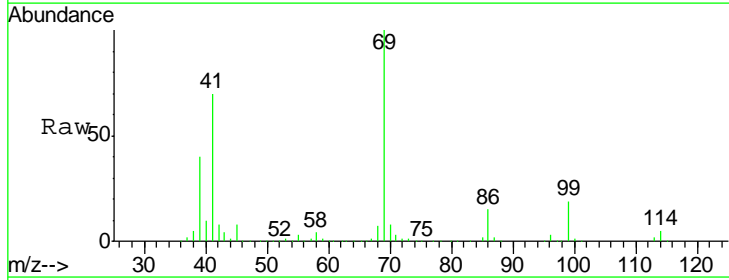
Instrument : MSVOA_X
 ClientSampled : ICVVX091719

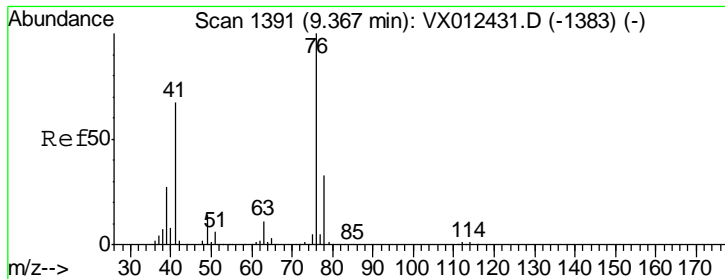
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#56
 Ethyl methacrylate
 Concen: 48.627 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
69	100		
41	71.3	58.4	87.6
39	41.6	33.4	50.0





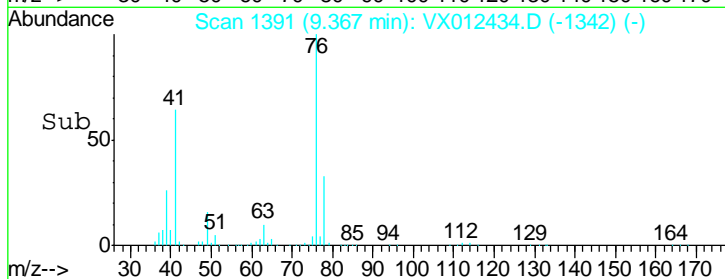
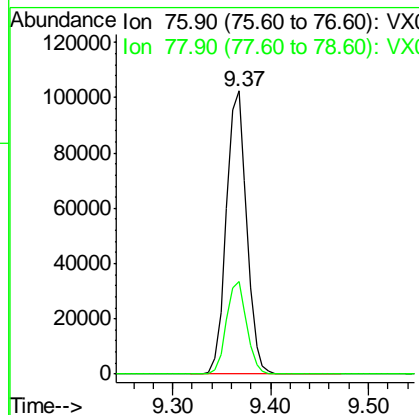
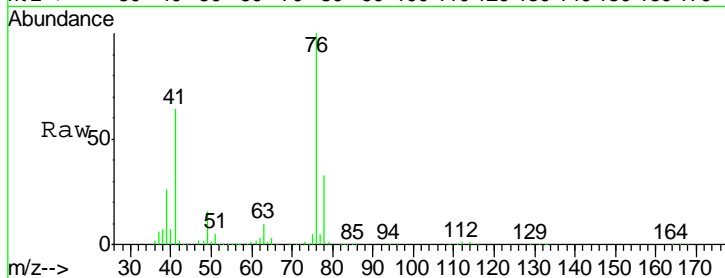
#57
 1,3-Dichloropropane
 Concen: 47.986 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX091719

Tgt Ion	Resp	Lower	Upper
76	147766		
76	100		
78	32.5	26.2	39.2

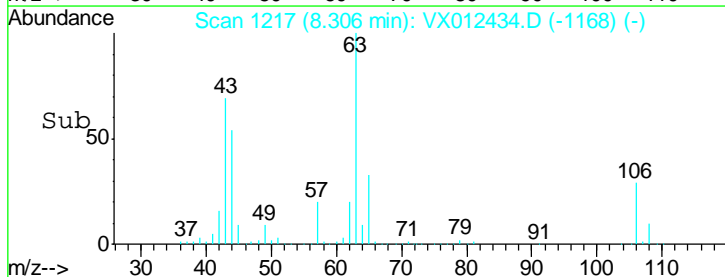
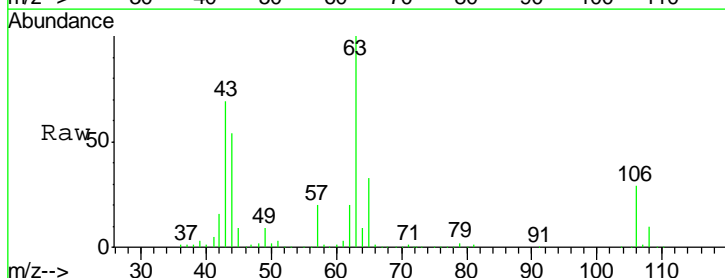
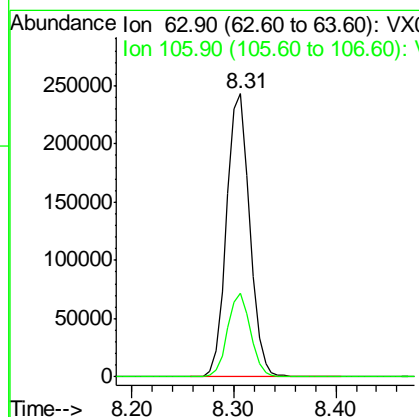
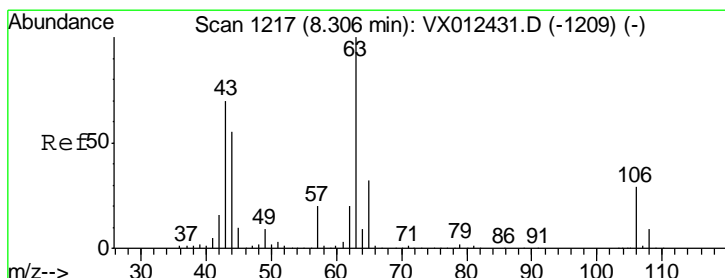
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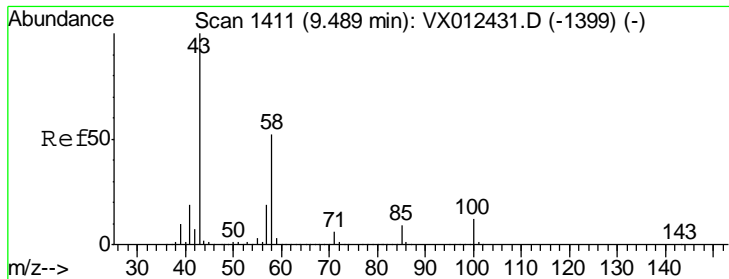
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#58
 2-Chloroethyl Vinyl ether
 Concen: 244.491 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
63	381895		
63	100		
106	29.3	23.8	35.6





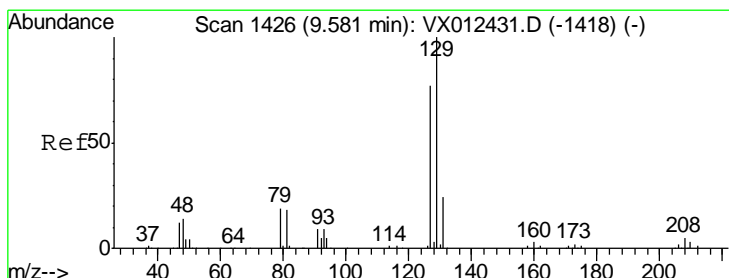
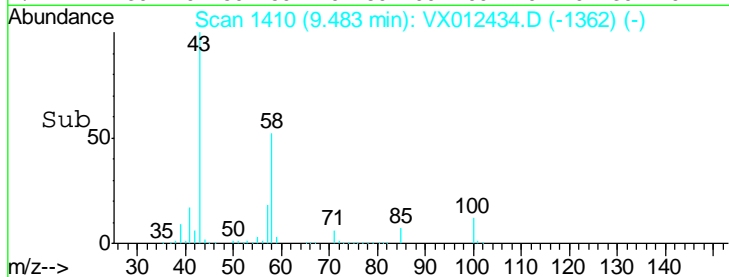
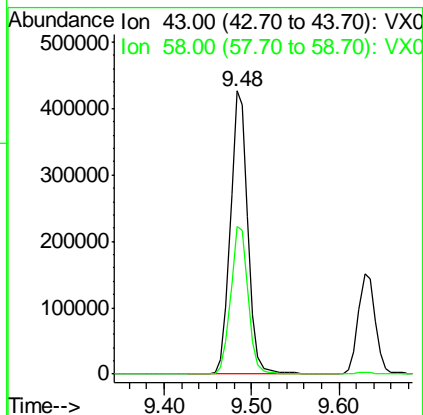
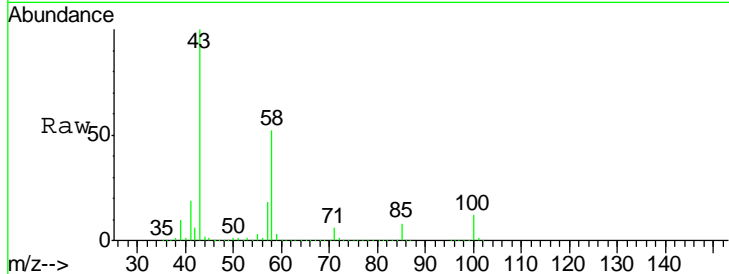
#59
 2-Hexanone
 Concen: 229.246 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX091719

Tgt Ion	Resp	Lower	Upper
43	100		
58	52.7	25.7	77.1

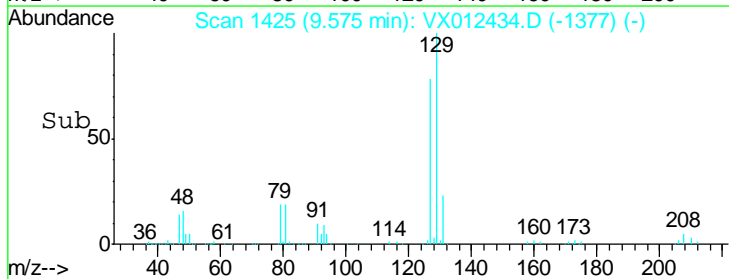
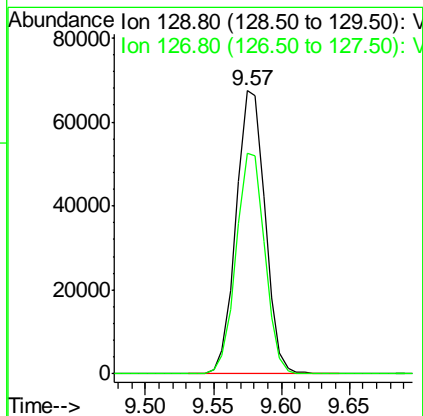
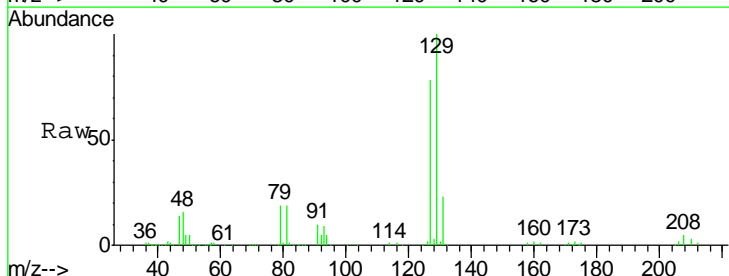
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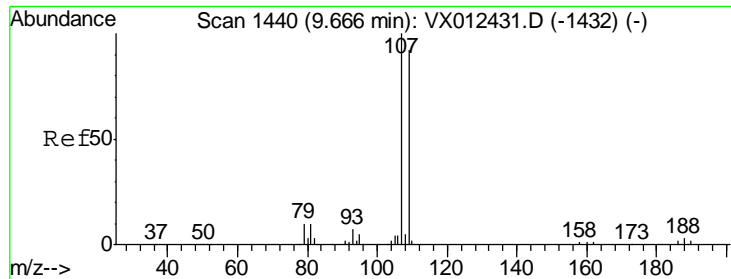
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#60
 Dibromochloromethane
 Concen: 50.825 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.2	38.9	116.6





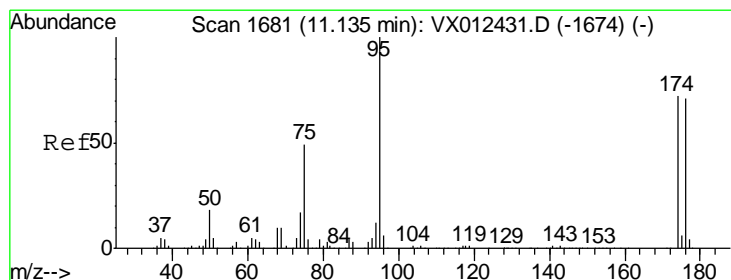
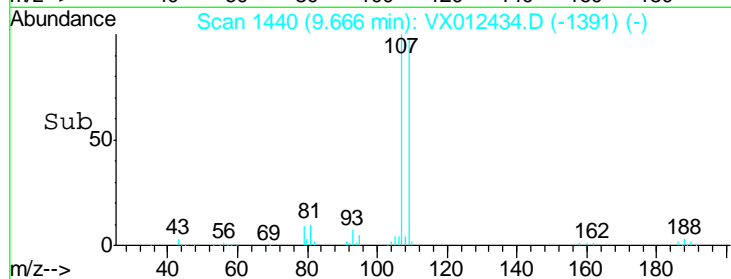
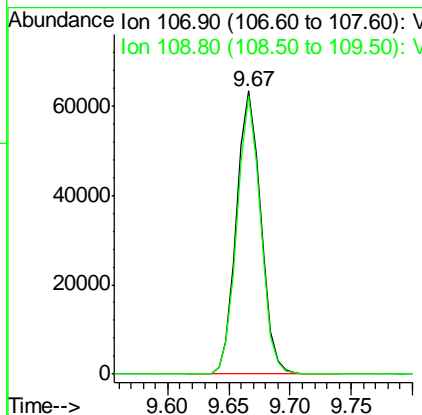
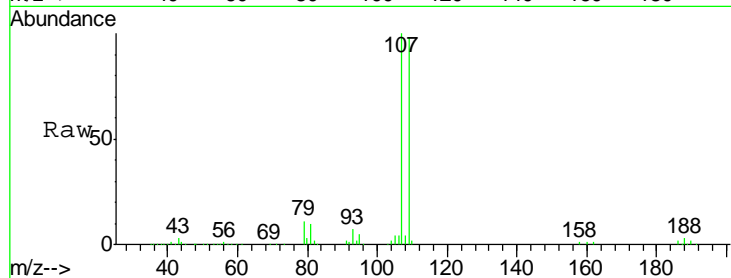
#61
 1,2-Dibromoethane
 Concen: 49.480 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 ClientSampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.9	74.7	112.1

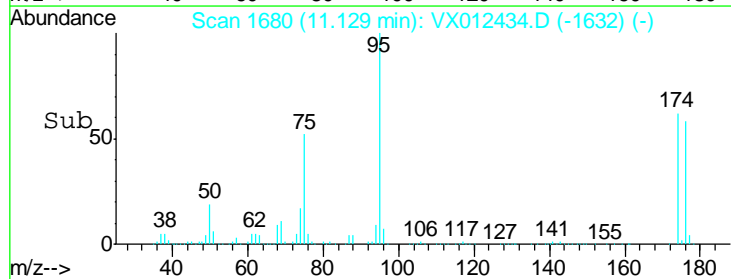
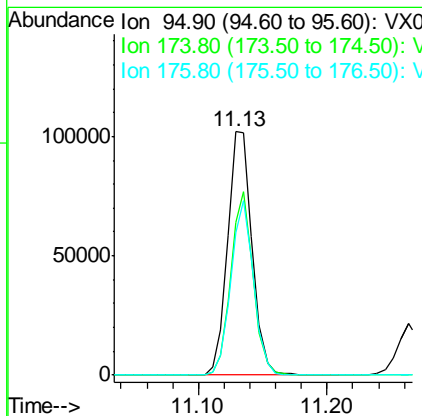
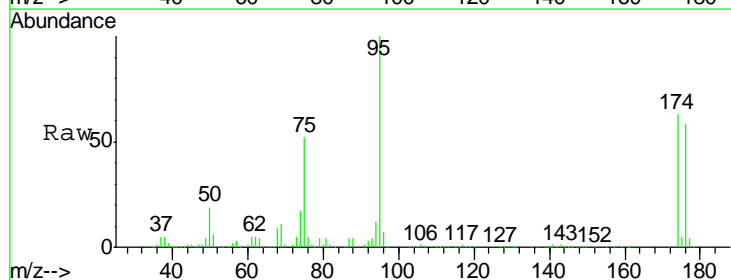
Manual Integrations
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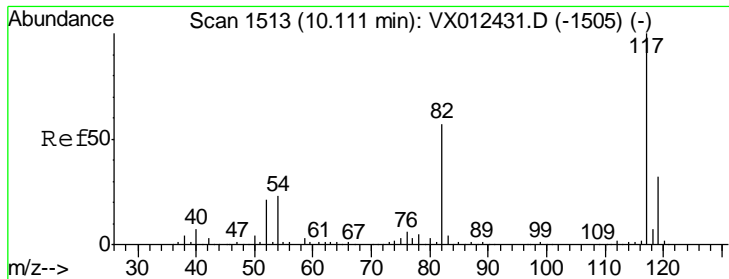
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#62
 4-Bromofluorobenzene
 Concen: 48.588 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

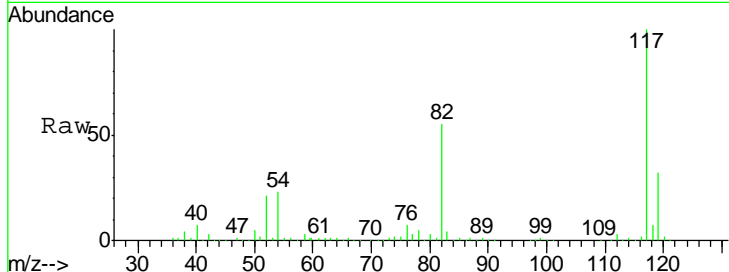
Tgt Ion	Resp	Lower	Upper
95	100		
174	68.8	0.0	140.0
176	66.5	0.0	135.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

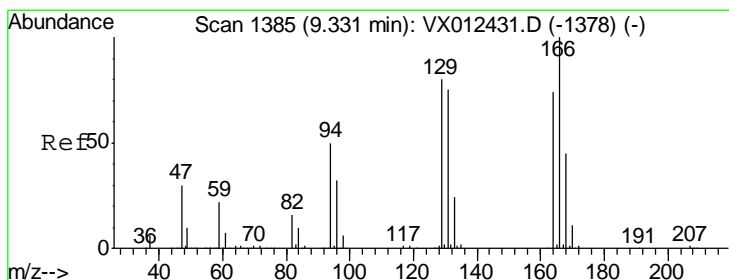
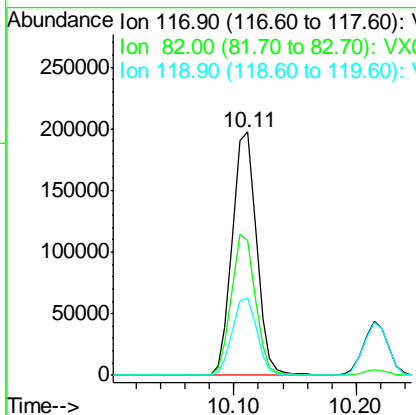
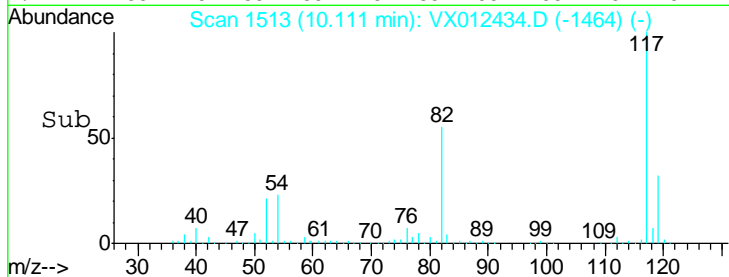
Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX091719



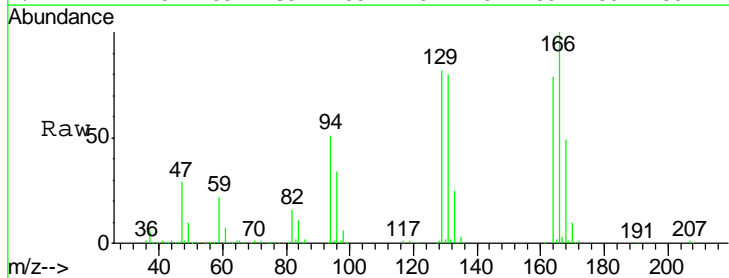
Tgt Ion: 117 Resp: 271509

Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.9	68.9
119	31.7	25.3	37.9

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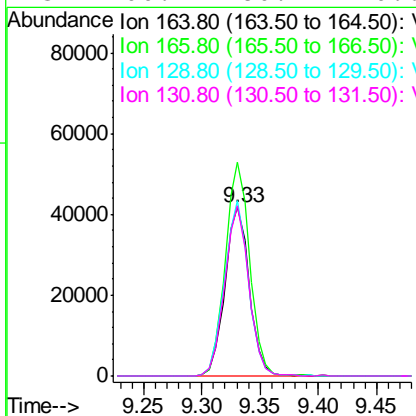
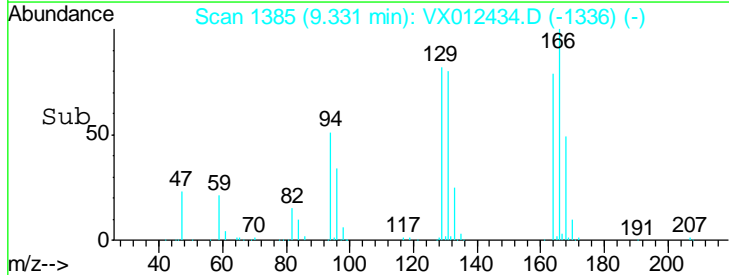


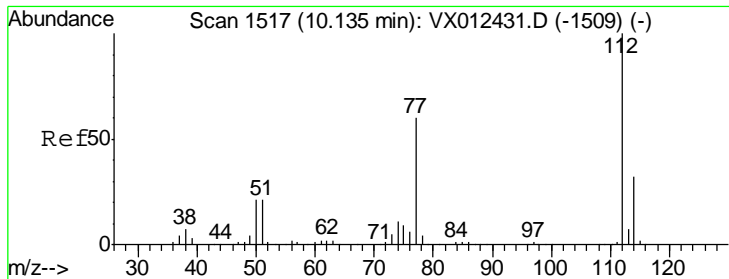
#64
 Tetrachloroethene
 Concen: 48.565 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22



Tgt Ion: 164 Resp: 60423

Ion	Ratio	Lower	Upper
164	100		
166	126.7	107.8	161.6
129	103.7	86.2	129.2
131	100.7	80.4	120.6





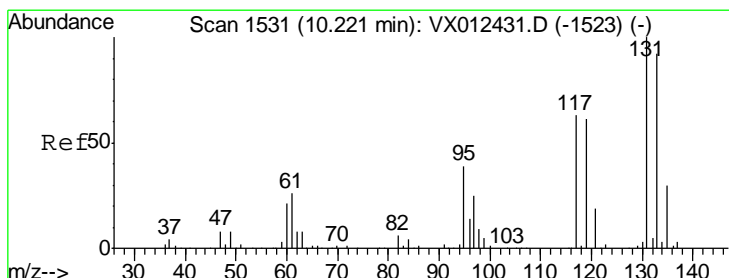
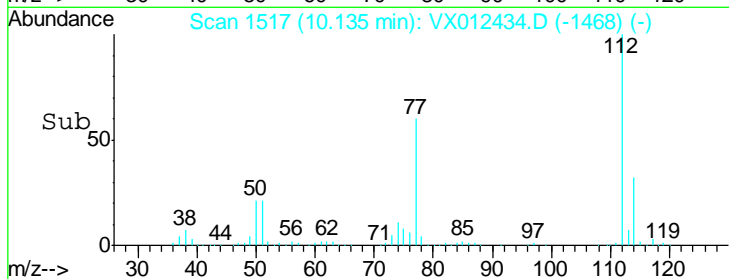
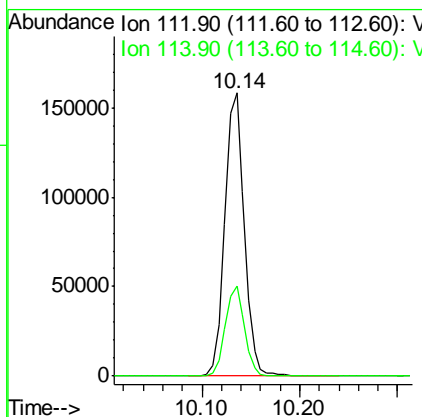
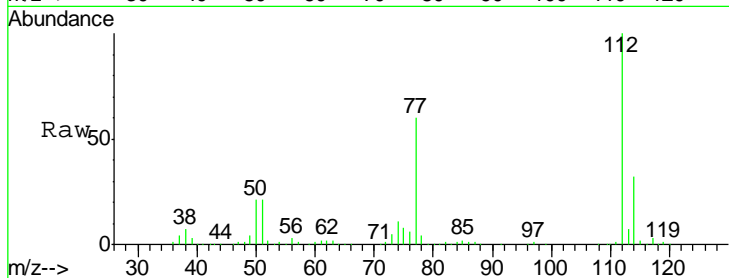
#65
 Chlorobenzene
 Concen: 48.642 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.7	25.4	38.0

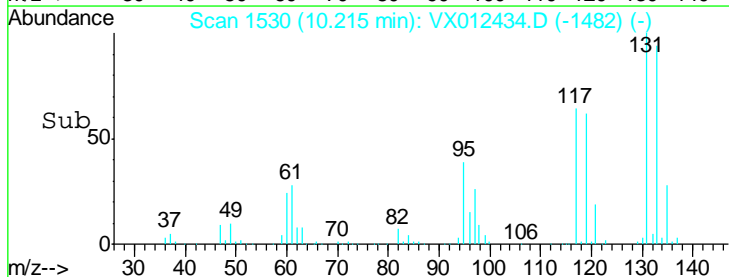
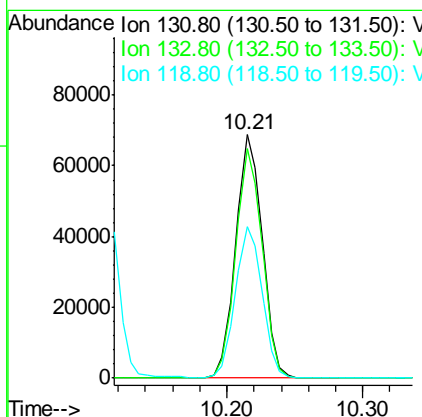
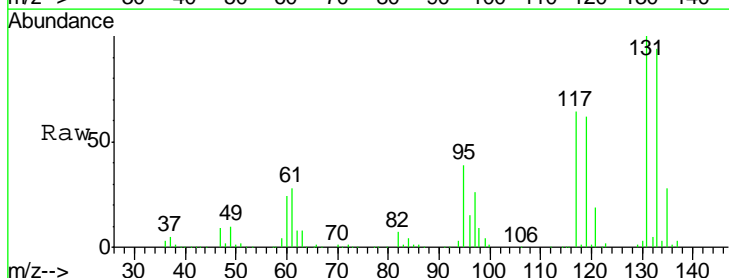
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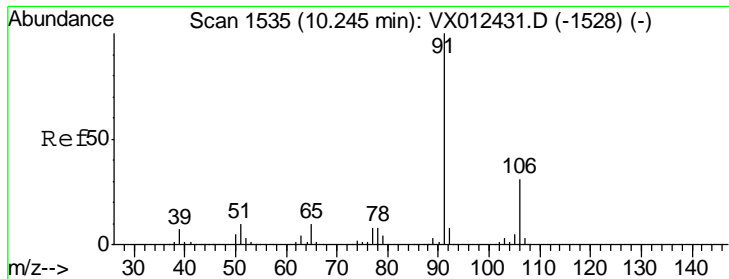
MMDadoda
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.435 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
131	100		
133	93.8	47.6	142.9
119	62.9	31.3	93.8





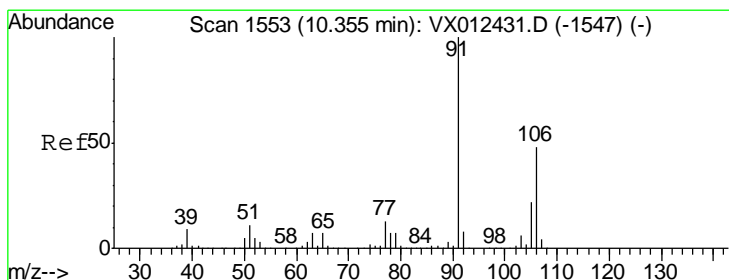
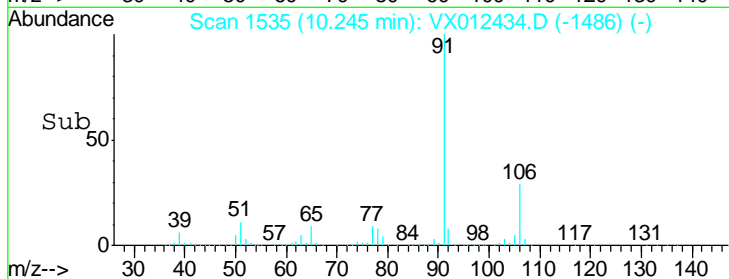
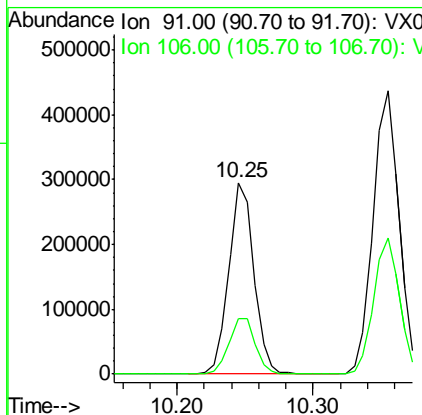
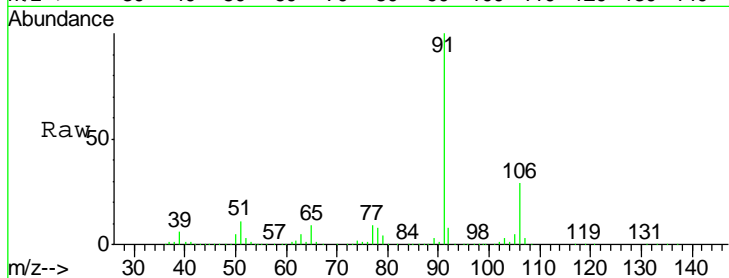
#67
 Ethyl Benzene
 Concen: 49.476 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
91	100		
106	29.1	24.6	37.0

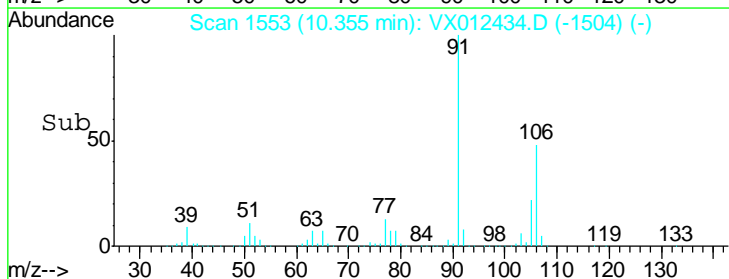
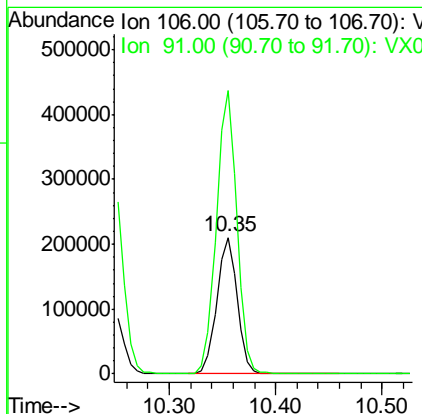
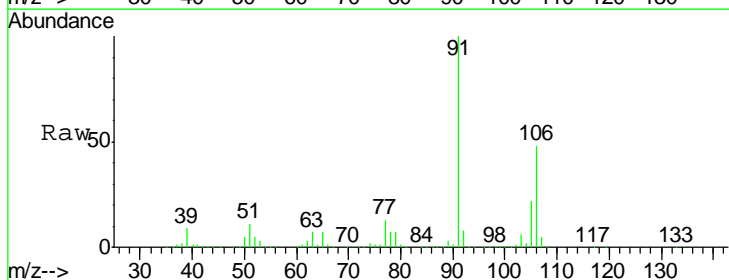
Manual Integrations
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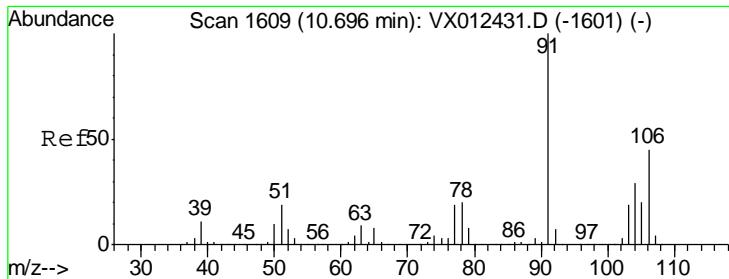
MMDadoda
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#68
 m/p-Xylenes
 Concen: 99.711 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
106	100		
91	208.0	166.6	250.0





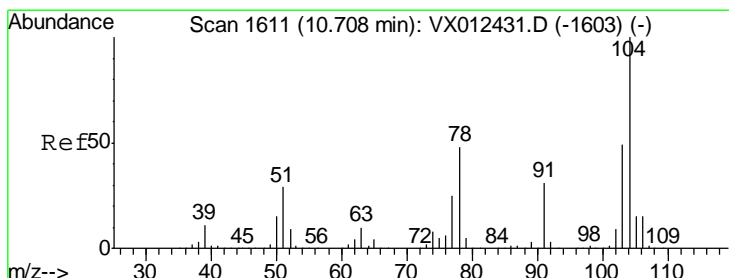
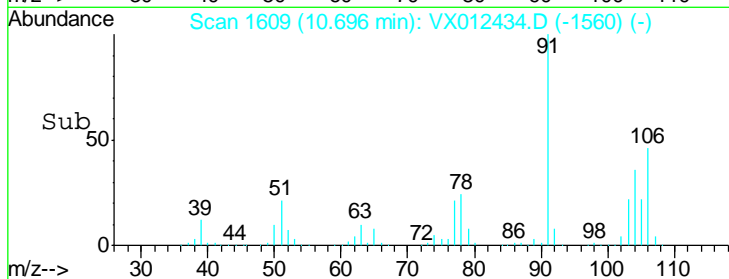
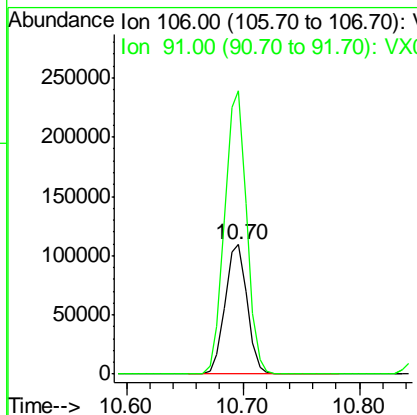
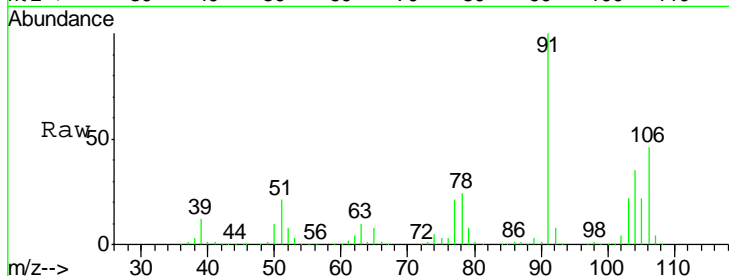
#69
 o-Xylene
 Concen: 49.927 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
106	143835		
106	100		
91	217.9	109.4	328.2

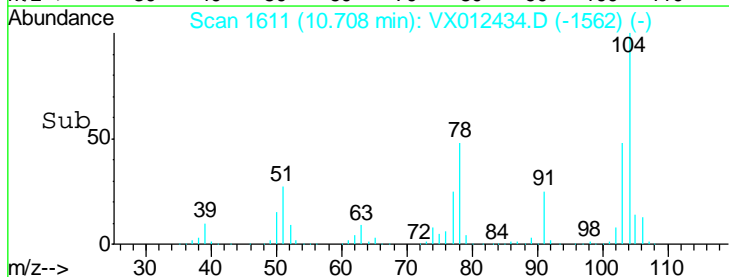
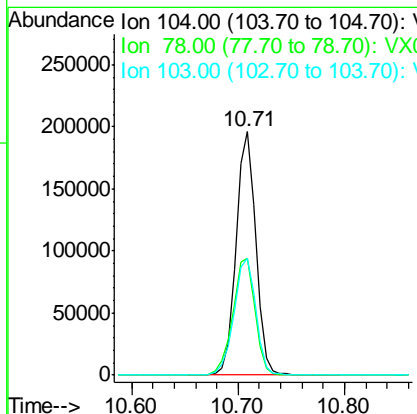
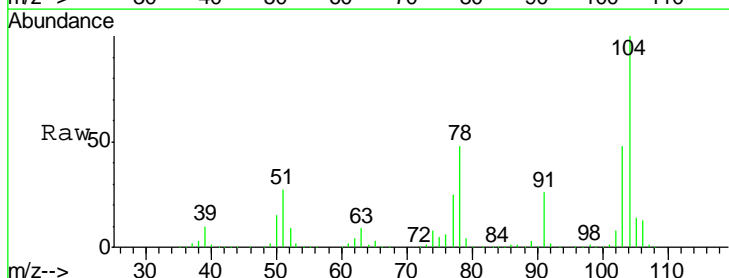
Manual Integrations
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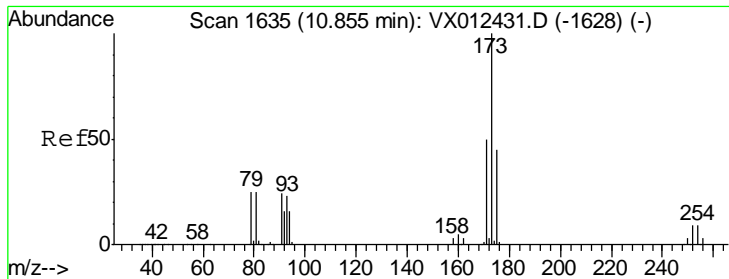
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#70
 Styrene
 Concen: 50.252 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

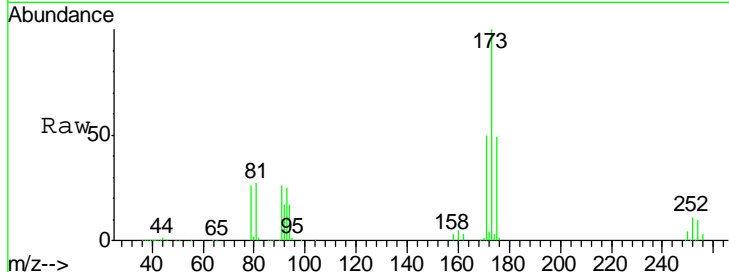
Tgt Ion	Resp	Lower	Upper
104	256143		
104	100		
78	54.2	43.4	65.2
103	53.4	43.3	64.9





#71
 Bromoform
 Concen: 43.217 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

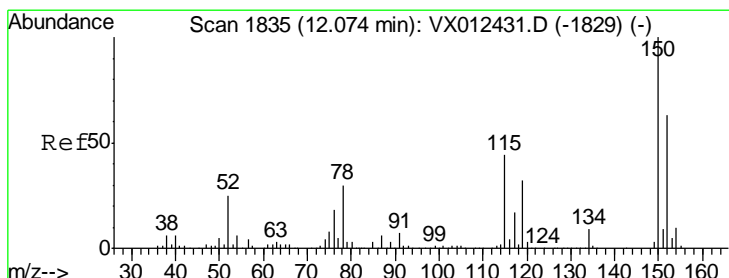
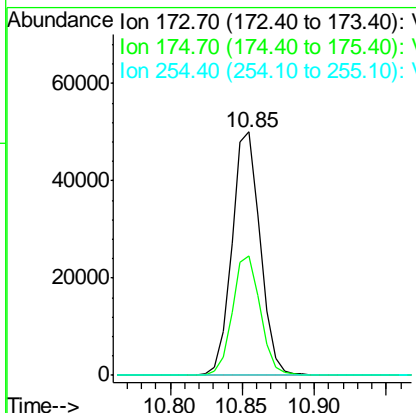
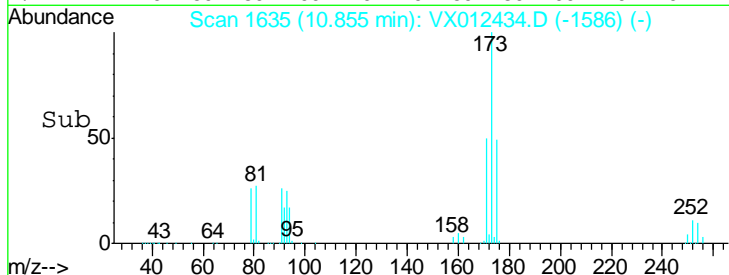
Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX091719



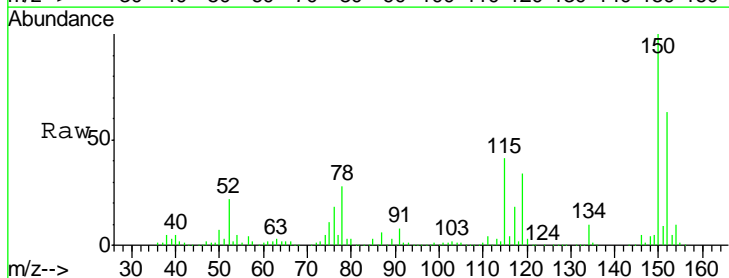
Tgt Ion	Resp	Lower	Upper
173	100		
175	48.8	23.7	71.1
254	0.1	0.1	0.1

Manual Integrations
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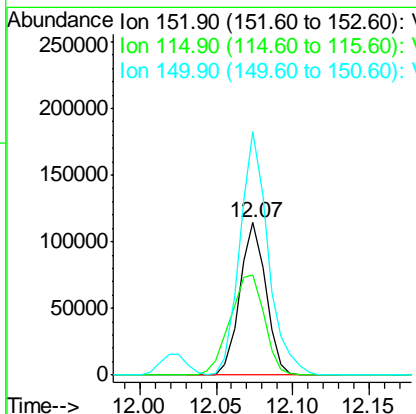
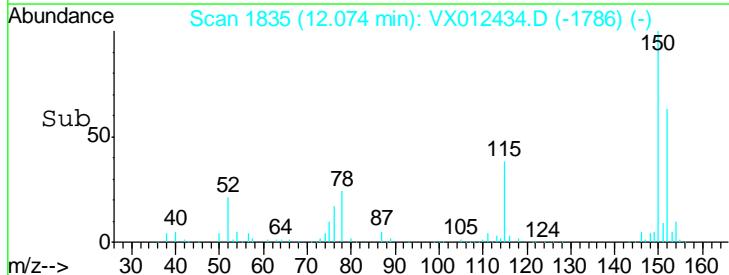
MMDadoda
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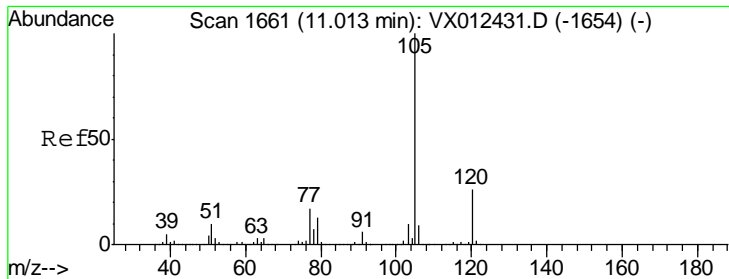


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22



Tgt Ion	Resp	Lower	Upper
152	100		
115	85.9	44.1	132.3
150	172.6	0.0	343.8





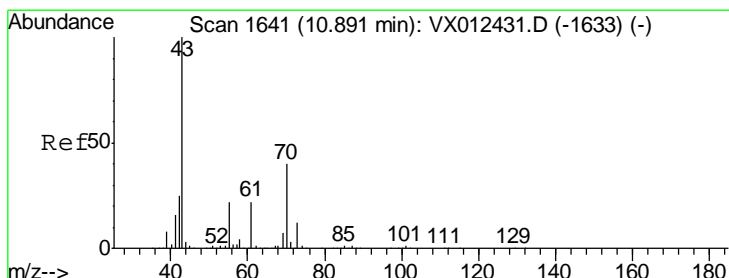
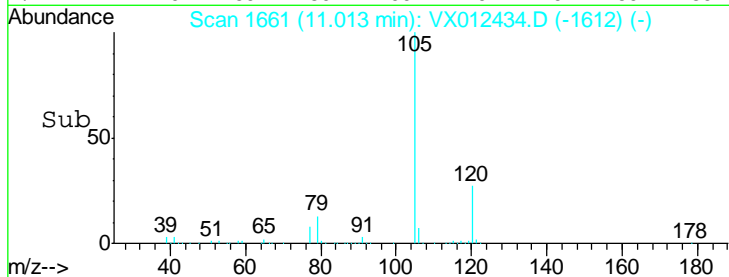
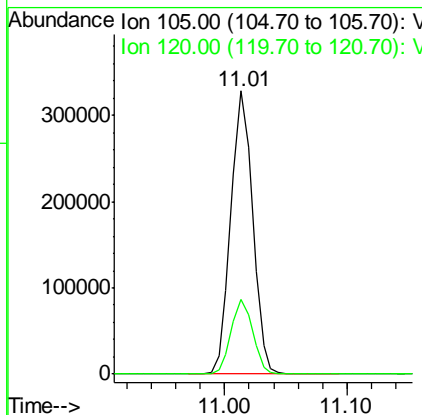
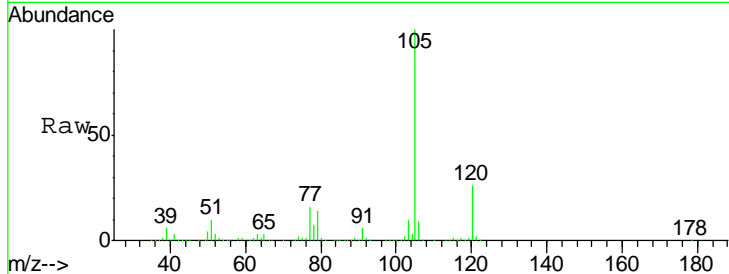
#73
 Isopropylbenzene
 Concen: 47.777 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.1	12.9	38.7

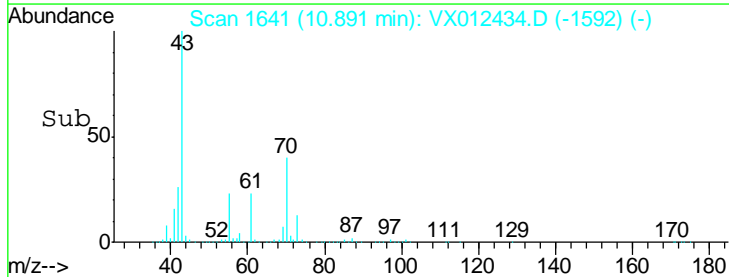
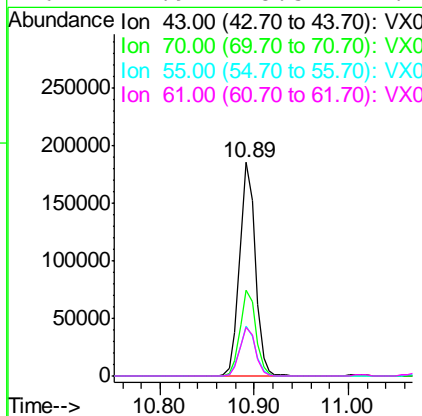
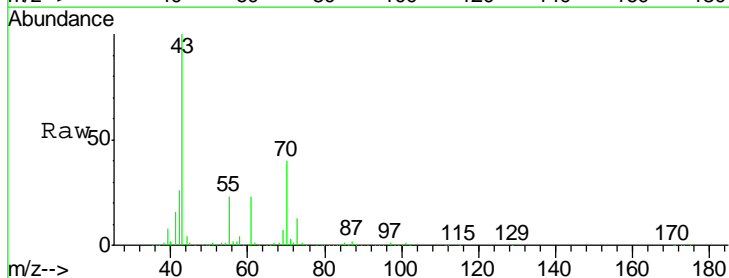
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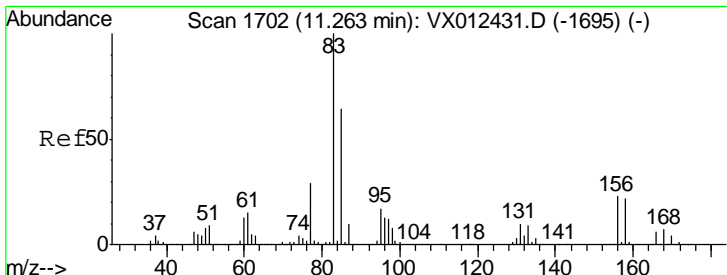
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#74
 N-nyl acetate
 Concen: 47.376 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
43	100		
70	40.6	32.4	48.6
55	23.3	18.2	27.4
61	22.9	18.5	27.7





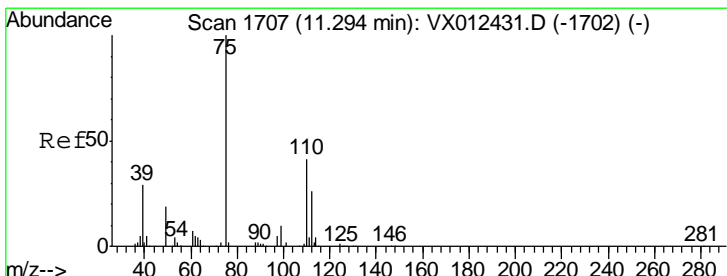
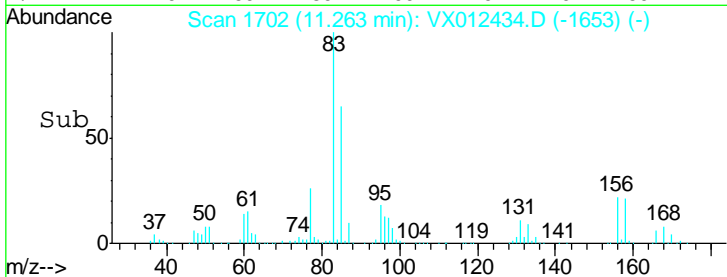
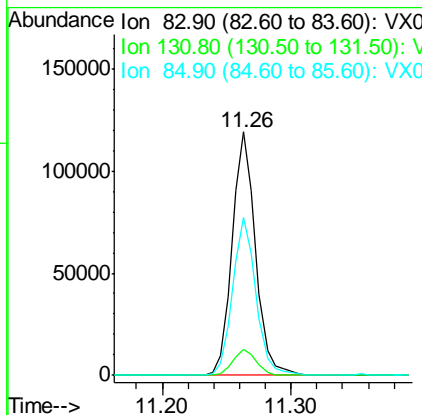
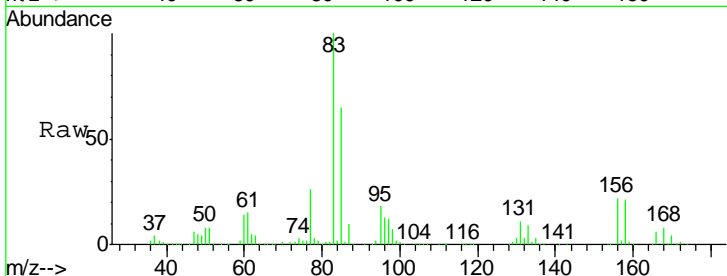
#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.500 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 ClientSampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
83	151326		
83	100		
131	10.6	5.2	15.6
85	64.9	32.0	96.0

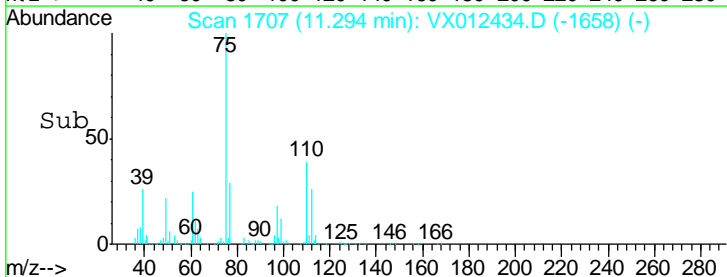
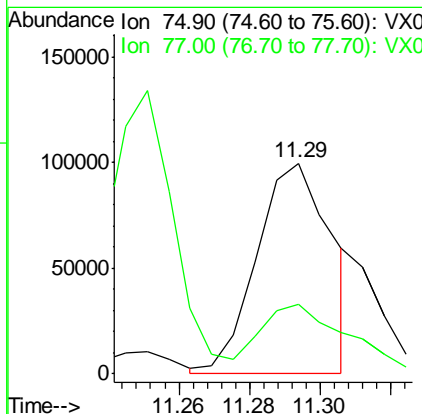
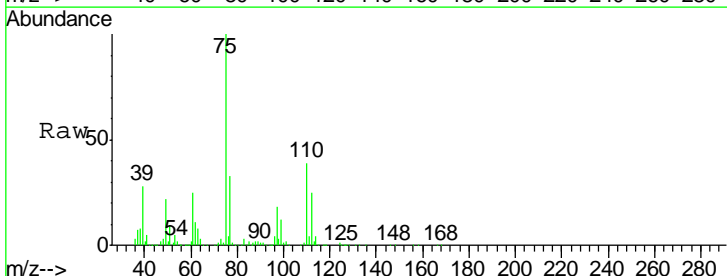
Manual Integrations
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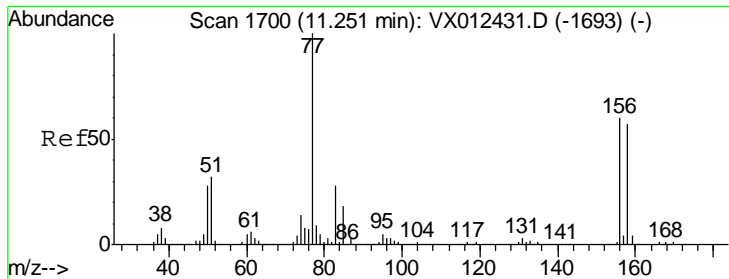
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#76
 1,2,3-Trichloropropane
 Concen: 47.320 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
75	146879		
75	100		
77	38.5	19.7	59.0





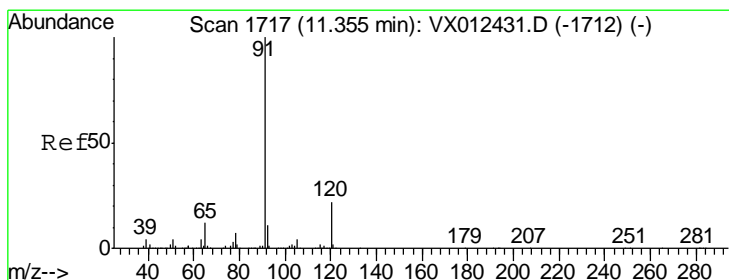
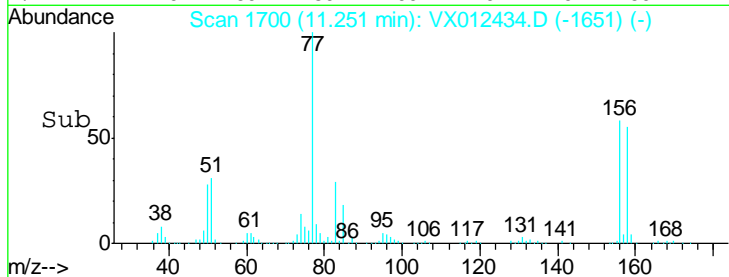
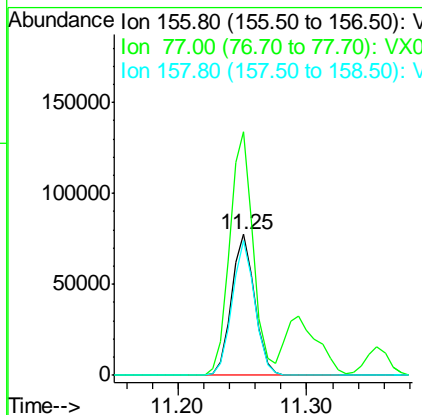
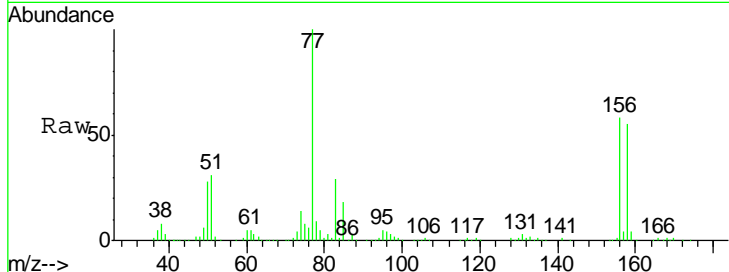
#77
 Bromobenzene
 Concen: 47.628 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
156	98481		
77	174.7	87.3	261.8
158	93.3	48.5	145.6

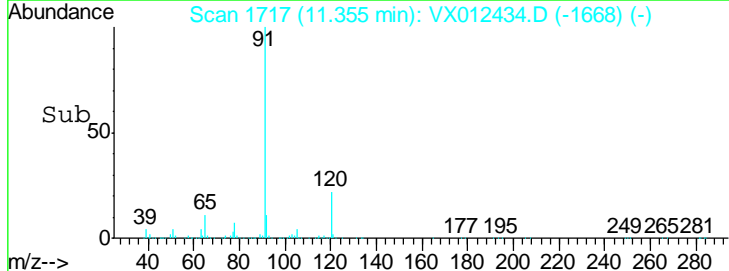
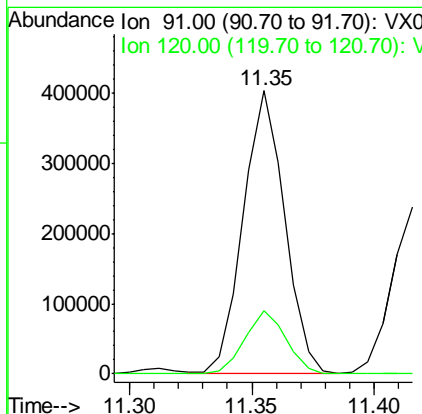
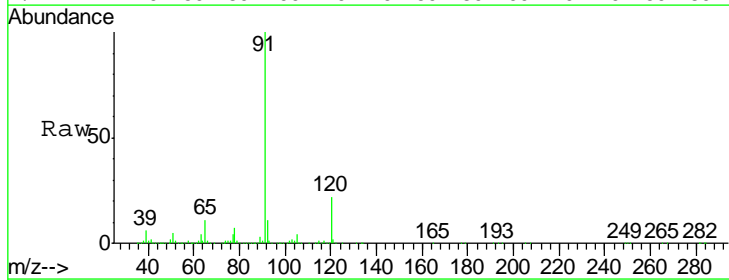
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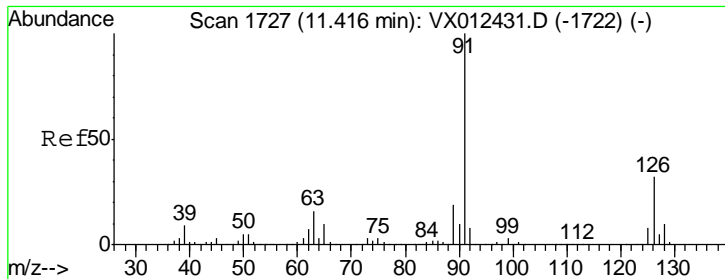
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#78
 n-propylbenzene
 Concen: 49.886 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
91	471397		
120	22.5	11.3	33.8





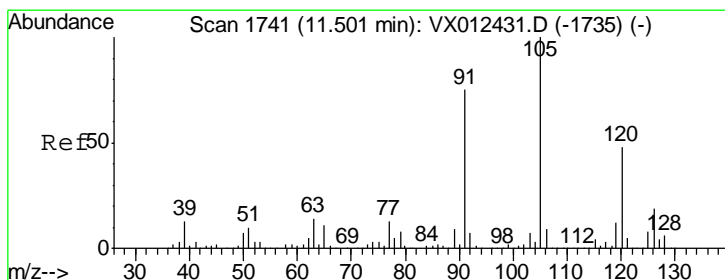
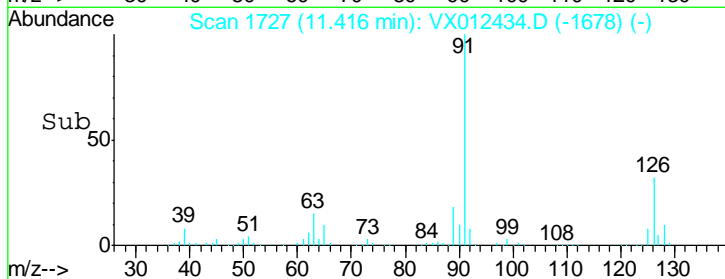
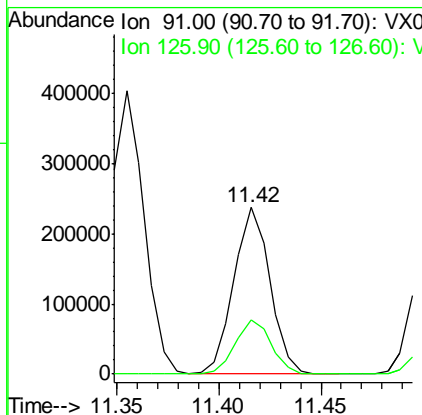
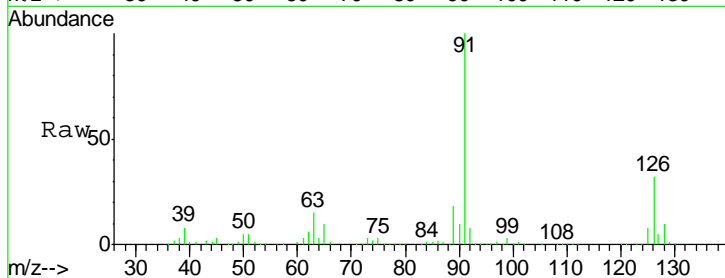
#79
 2-Chlorotoluene
 Concen: 47.260 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
91	100		
126	32.5	16.4	49.4

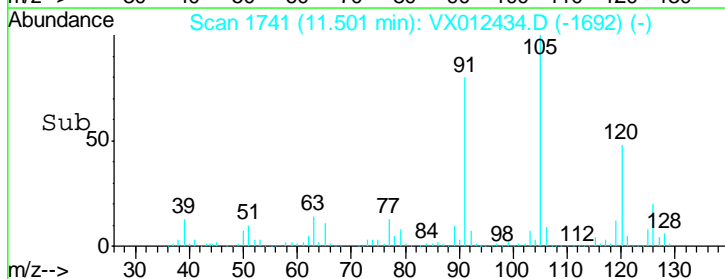
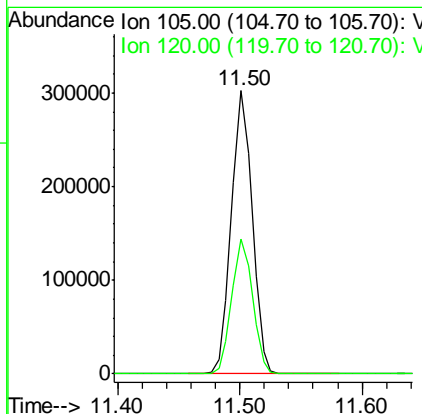
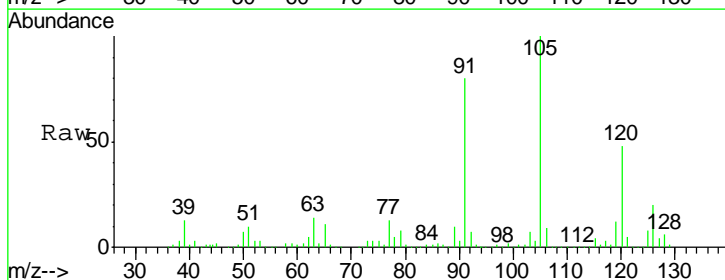
Manual Integrations
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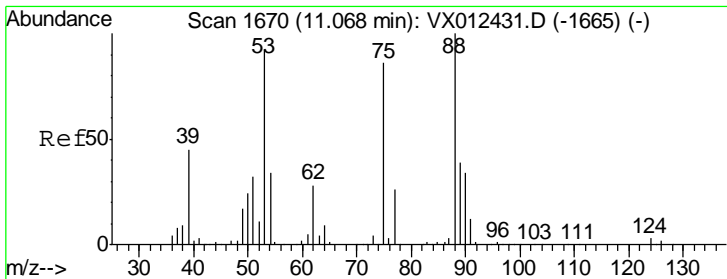
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.247 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
105	100		
120	47.7	24.3	72.8





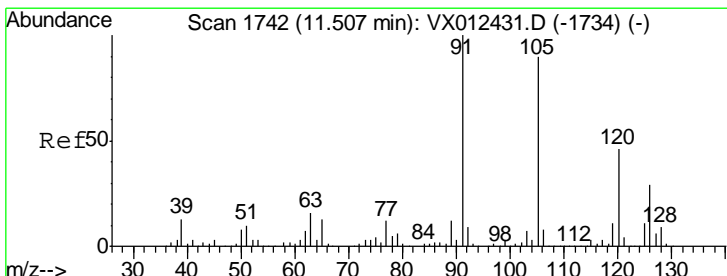
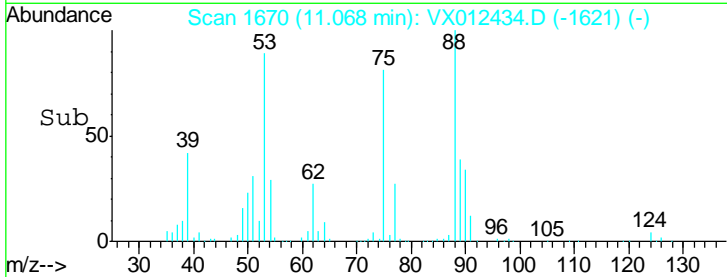
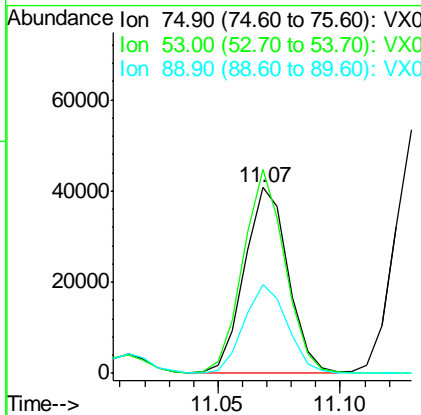
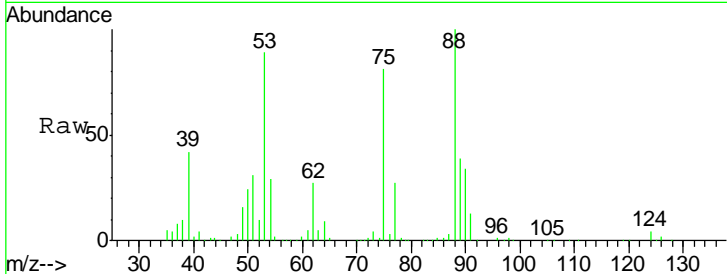
#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.701 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 ClientSampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
75	50145		
75	100		
53	105.4	83.6	125.4
89	48.2	36.3	54.5

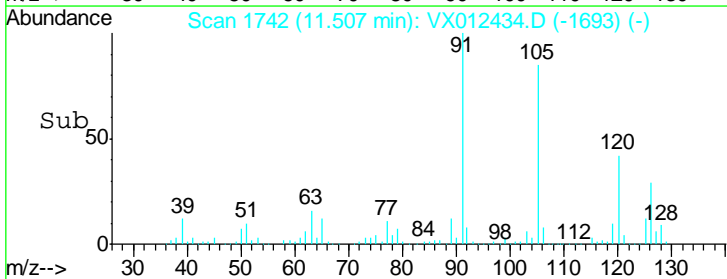
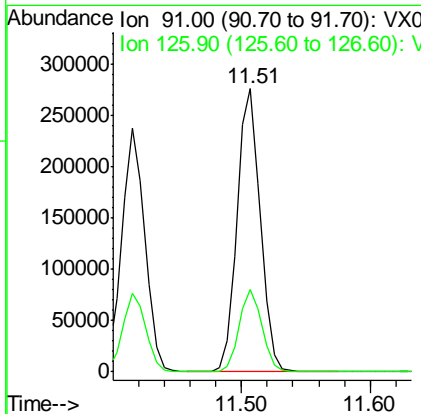
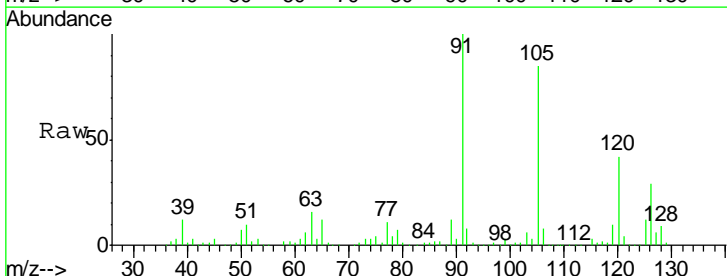
Manual Integrations
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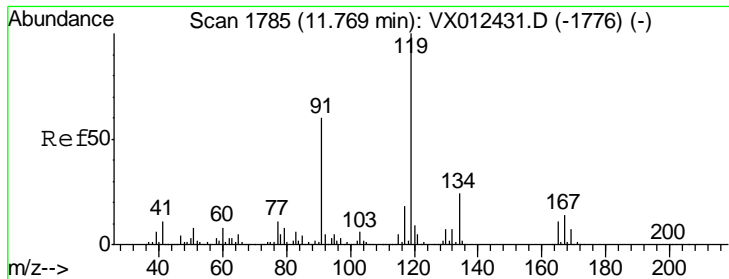
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#82
 4-Chlorotoluene
 Concen: 48.866 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
91	344773		
91	100		
126	28.6	14.4	43.0





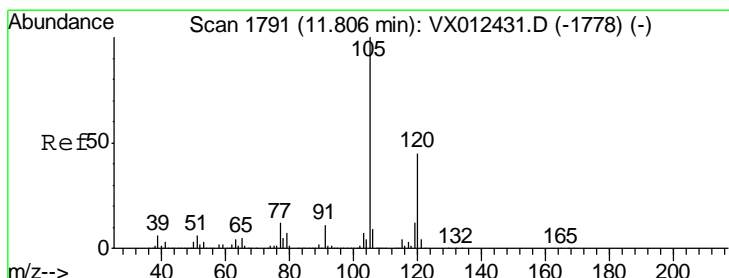
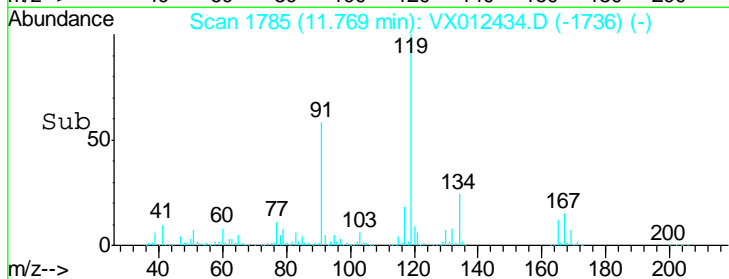
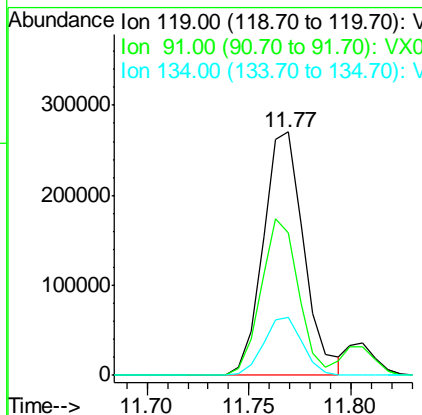
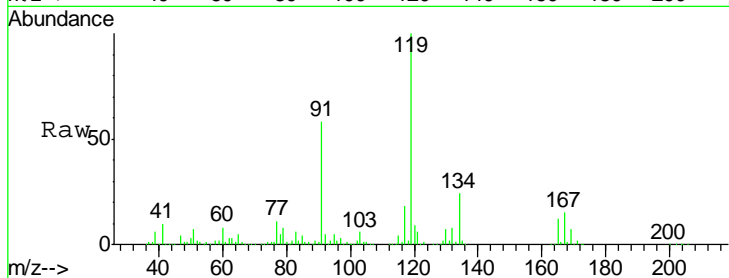
#83
 tert-Butylbenzene
 Concen: 48.484 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
119	375659		
91	59.1	30.0	90.0
134	22.7	11.3	33.9

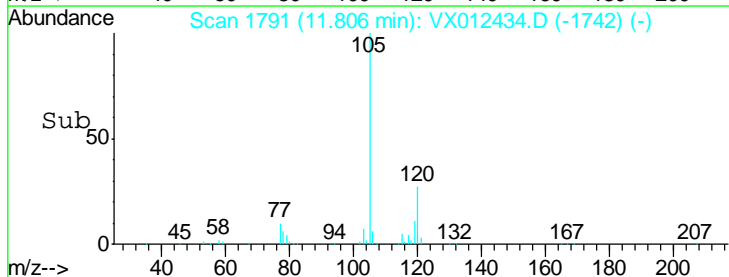
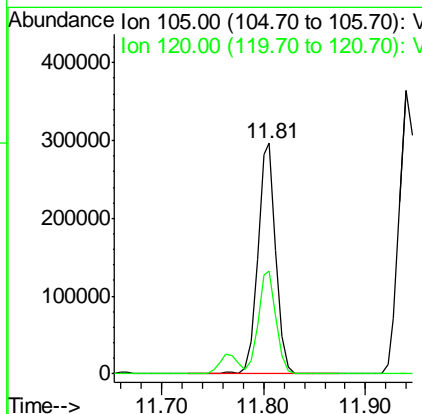
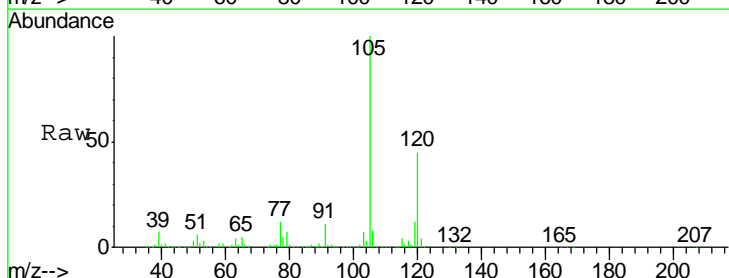
Manual Integrations
 APPROVED

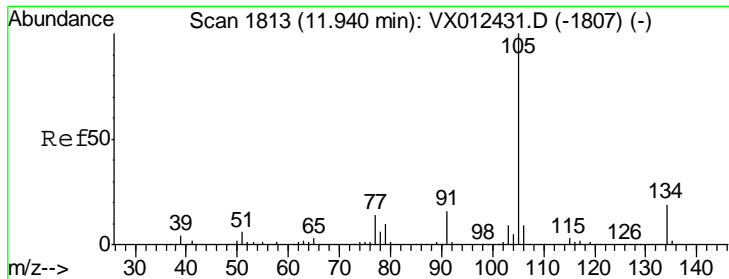
MMDadoda
 9/18/2019 11:23:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.346 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
105	366358		
120	44.2	22.2	66.6





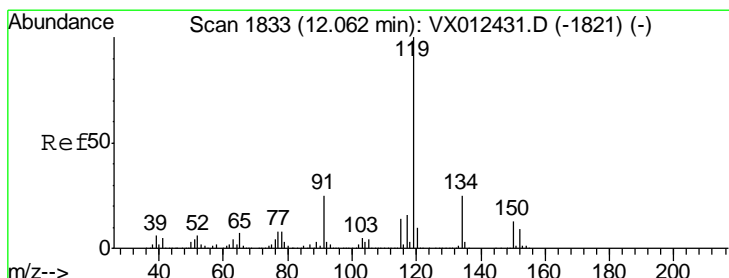
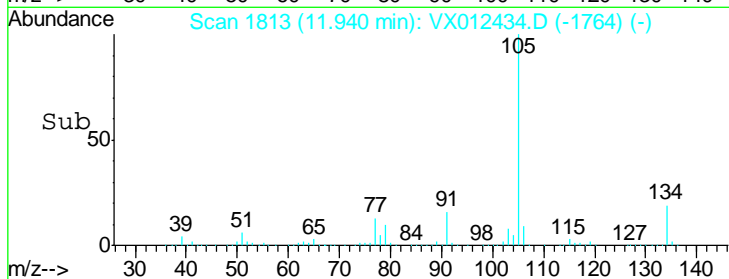
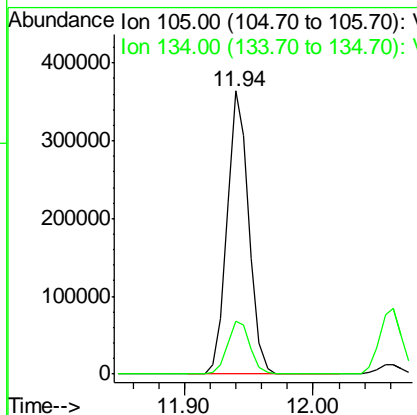
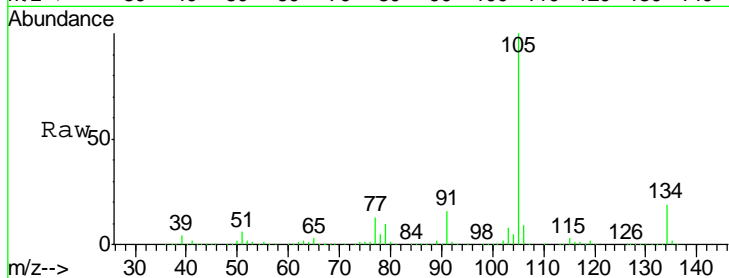
#85
 sec-Butylbenzene
 Concen: 50.411 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
105	100		
134	19.6	9.8	29.4

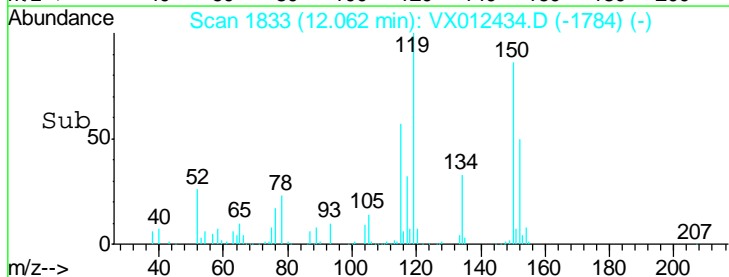
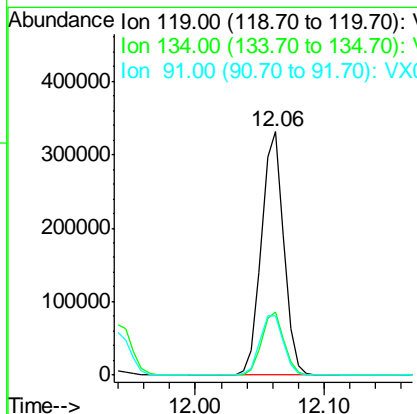
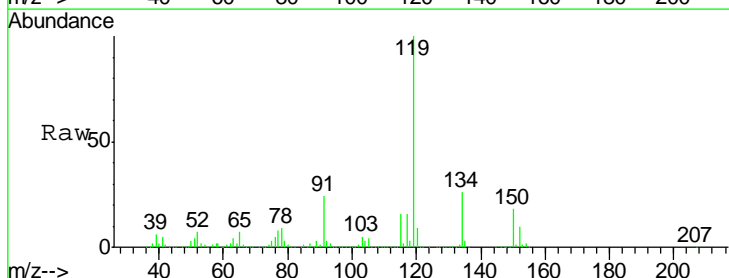
Manual Integrations
 APPROVED

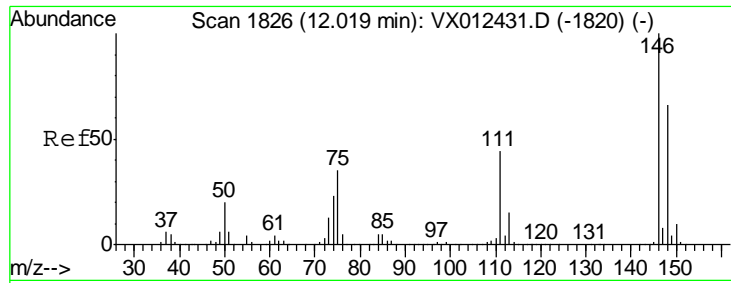
MMDadoda
 9/18/2019 11:23:38 AM



#86
 p-Isopropyltoluene
 Concen: 50.343 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
119	100		
134	25.8	12.7	38.1
91	25.9	12.8	38.4





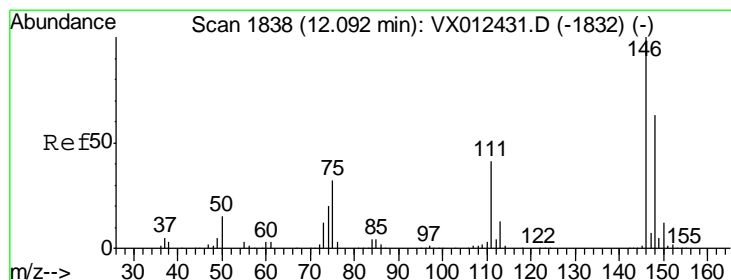
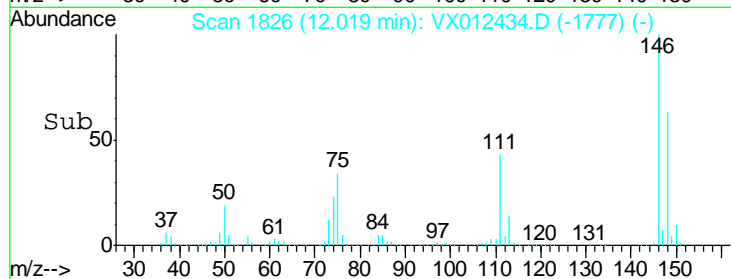
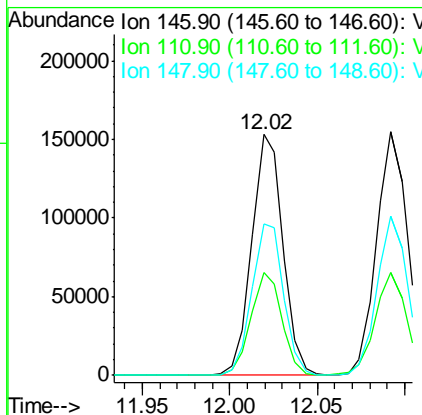
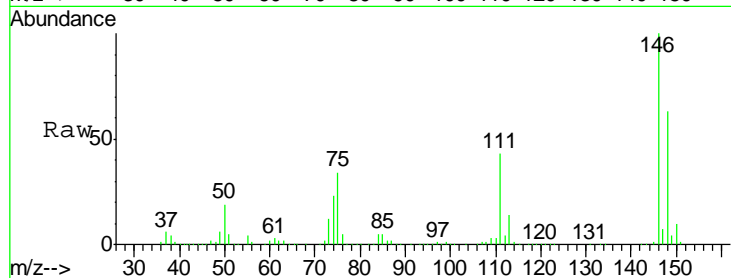
#87
 1,3-Dichlorobenzene
 Concen: 48.975 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
146	190493		
111	42.8	21.3	64.0
148	64.2	32.4	97.2

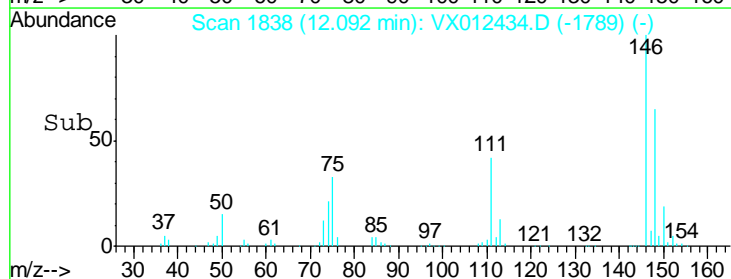
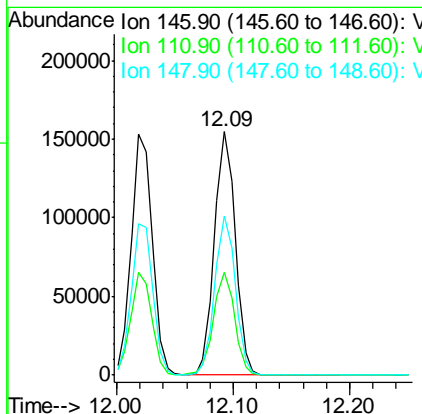
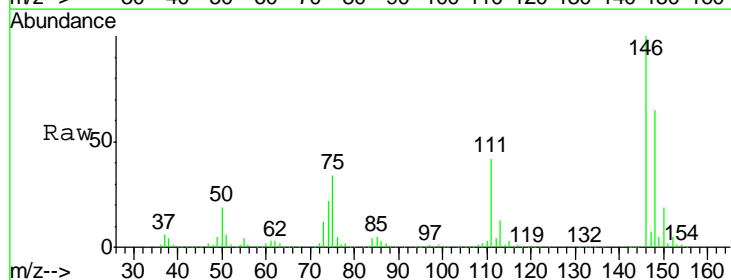
Manual Integrations
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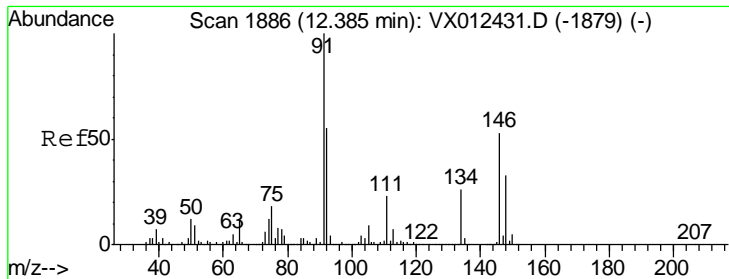
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#88
 1,4-Dichlorobenzene
 Concen: 47.832 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
146	191108		
111	42.5	21.1	63.3
148	64.7	32.1	96.5





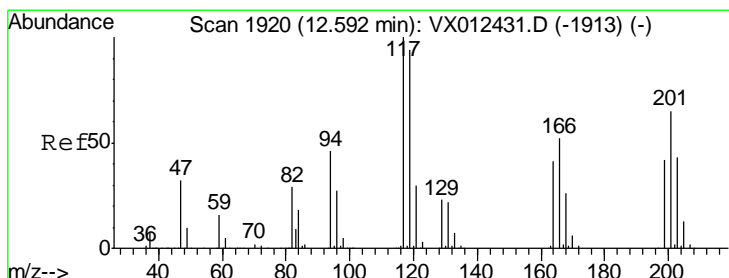
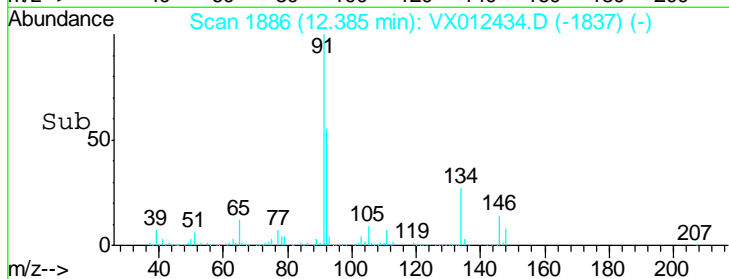
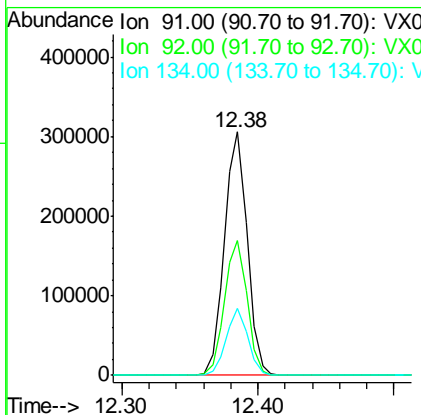
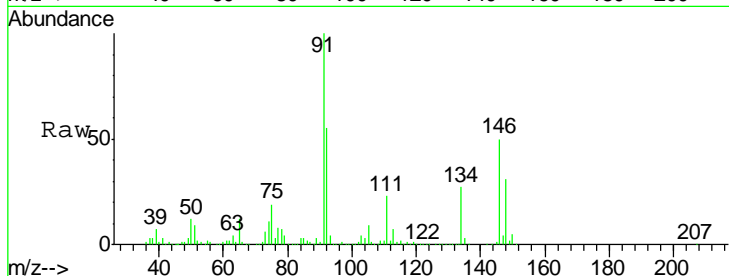
#89
 n-Butylbenzene
 Concen: 50.647 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.1	27.7	83.0
134	26.2	12.9	38.6

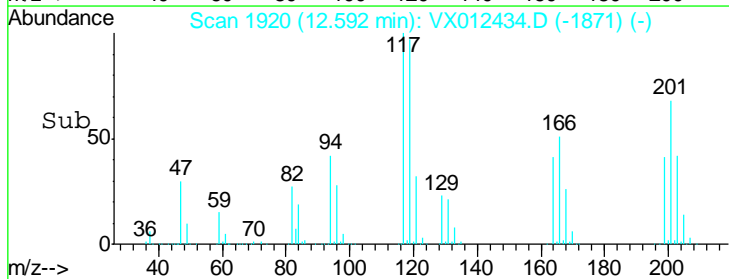
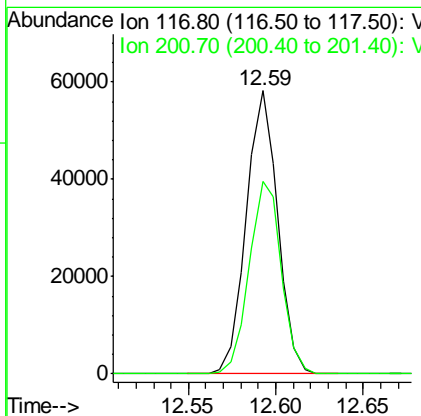
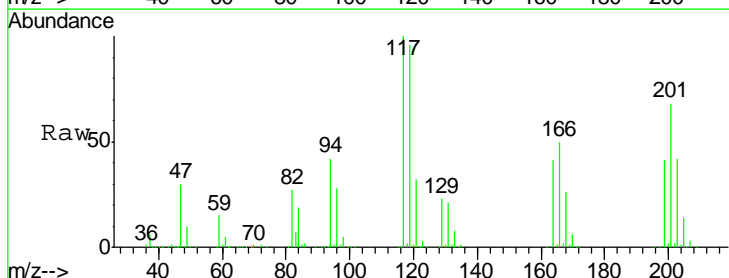
Manual Integrations
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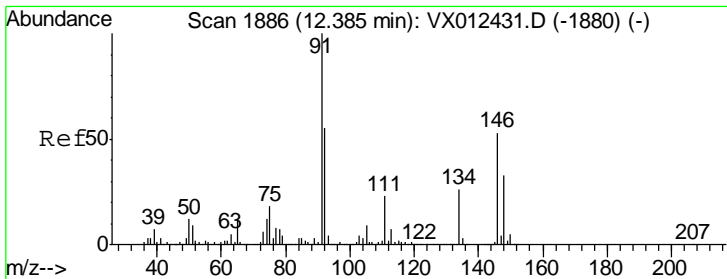
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#90
 Hexachloroethane
 Concen: 50.788 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
117	100		
201	69.6	33.3	99.8



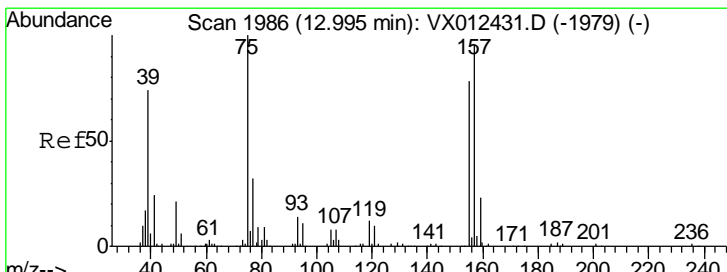
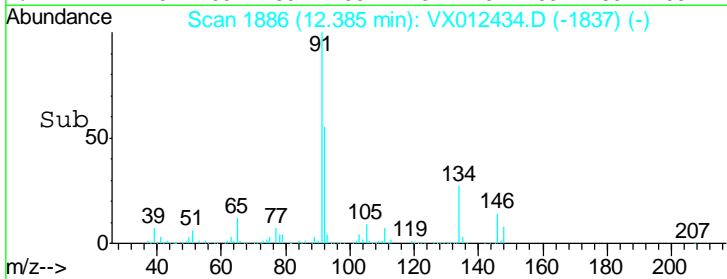
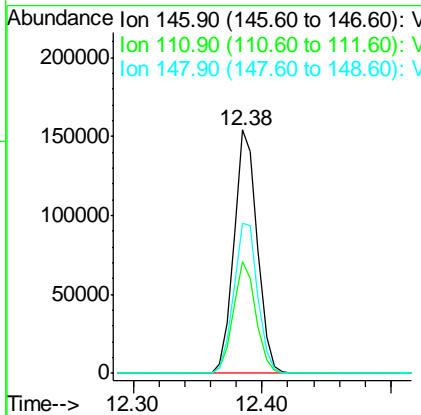
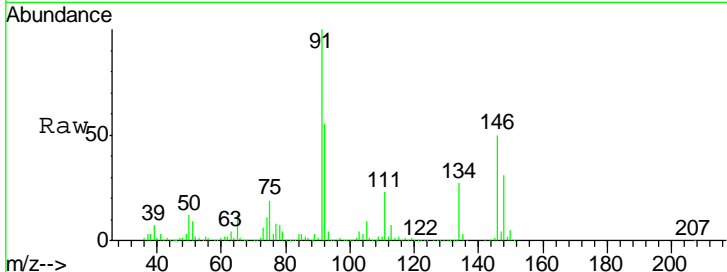


#91
 1,2-Dichlorobenzene
 Concen: 47.689 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 ClientSampled : ICVVX091719

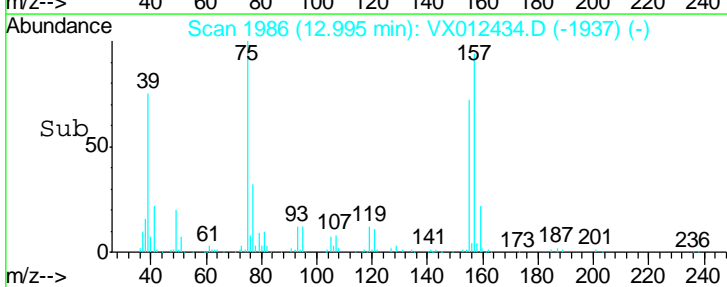
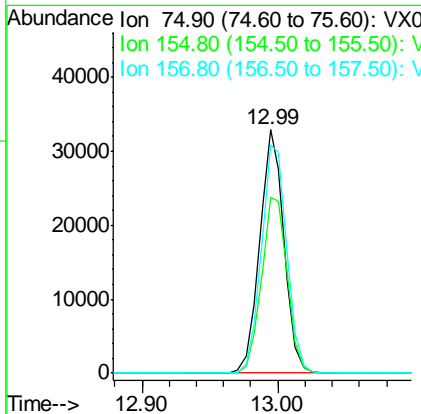
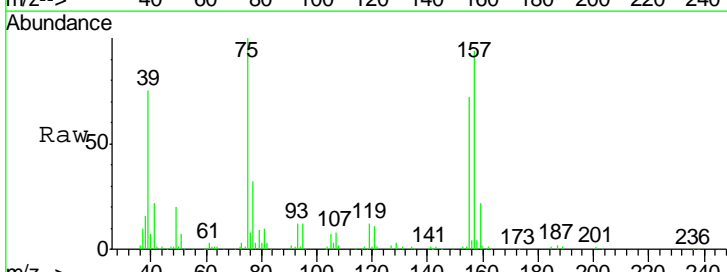
Tgt Ion	Resp	Lower	Upper
146	193870		
146	100		
111	44.7	22.1	66.1
148	63.7	31.3	93.9

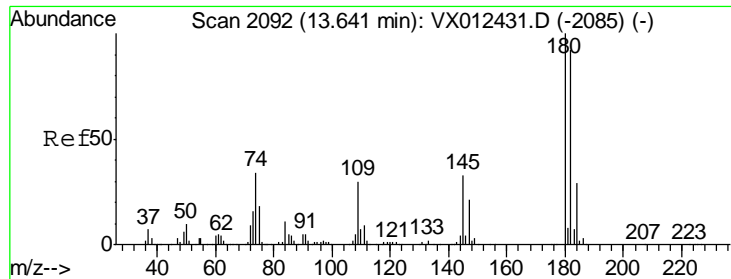
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.665 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
75	41099		
75	100		
155	76.8	38.6	115.8
157	98.1	50.6	151.9





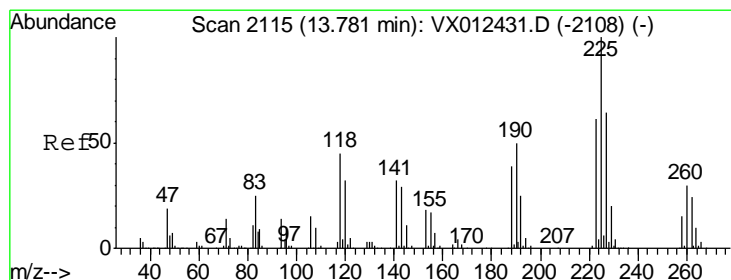
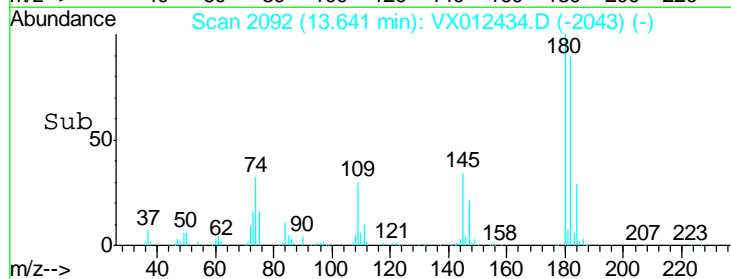
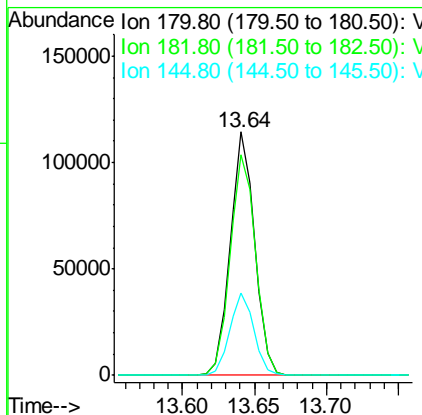
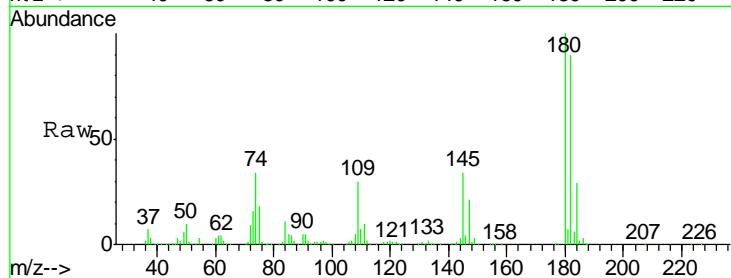
#93
 1,2,4-Trichlorobenzene
 Concen: 51.893 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
180	135884		
182	94.4	47.0	141.0
145	33.8	16.8	50.4

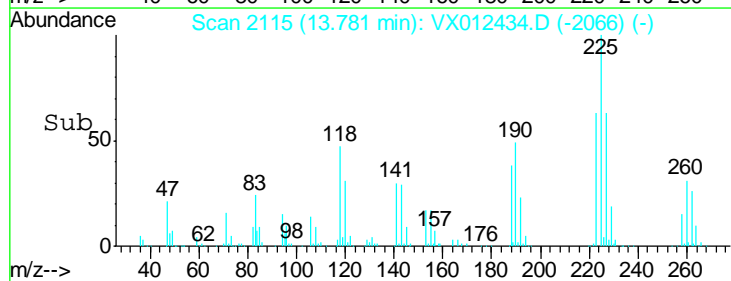
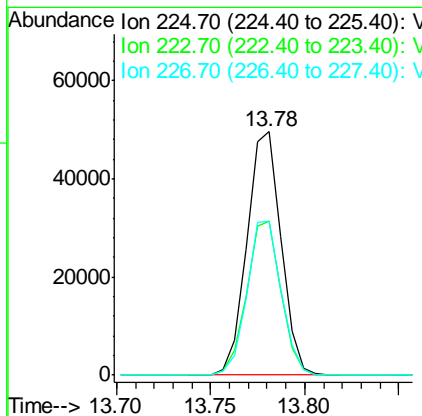
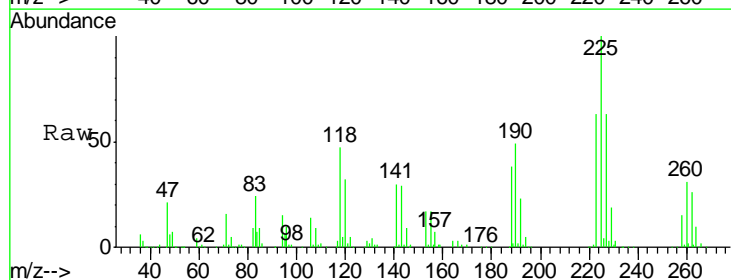
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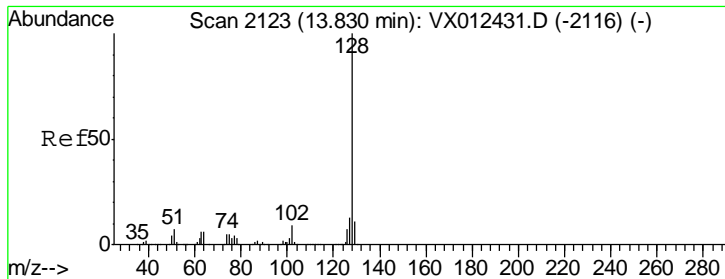
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#94
 Hexachlorobutadiene
 Concen: 50.452 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
225	62266		
223	63.3	32.0	96.2
227	63.2	31.9	95.5





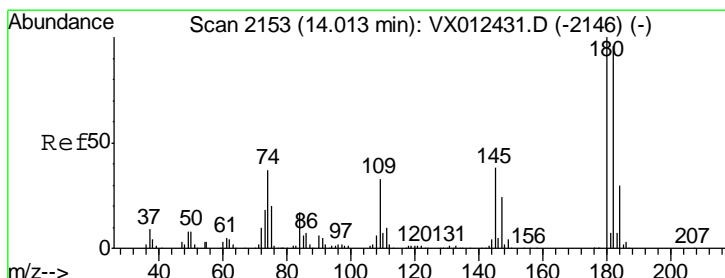
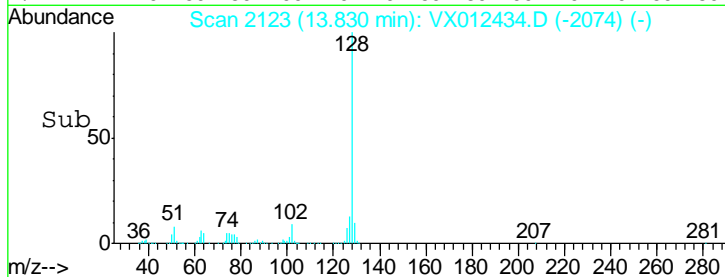
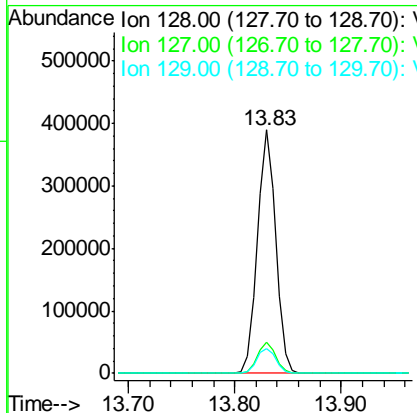
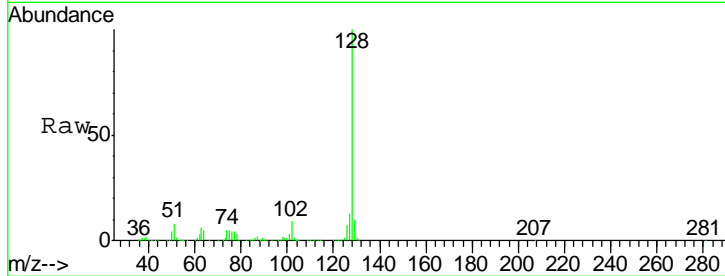
#95
 Naphthalene
 Concen: 50.618 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument : MSVOA_X
 Client Sampled : ICVVX091719

Tgt Ion	Resp	Lower	Upper
128	471627		
127	12.8	10.2	15.4
129	10.8	8.8	13.2

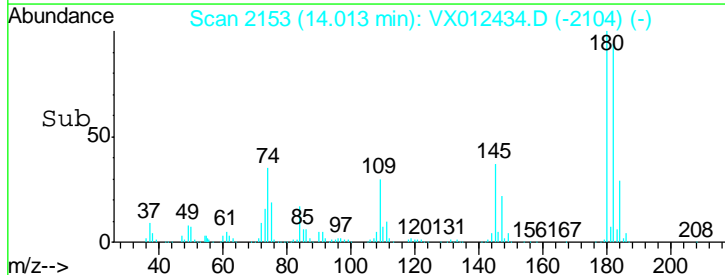
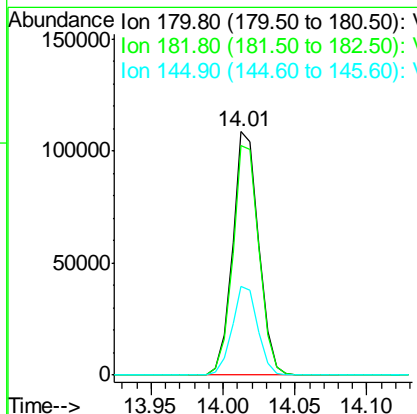
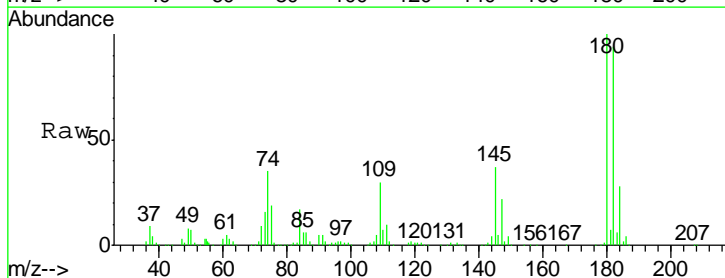
Manual Integrations
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 9/18/2019 11:23:38 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 51.519 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Resp	Lower	Upper
180	137472		
182	94.8	47.1	141.3
145	36.1	18.0	54.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX091719

Quant Time: Sep 18 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	50.000	46.618	6.8	99	0.00
3 P	Chloromethane	50.000	47.062	5.9	98	0.00
4 C	Vinyl Chloride	50.000	46.863	6.3#	97	0.00
5 T	Bromomethane	50.000	48.182	3.6	111	0.00
6 T	Chloroethane	50.000	39.031	21.9#	96	0.00
7 T	Trichlorofluoromethane	50.000	48.181	3.6	98	0.00
8 T	Diethyl Ether	50.000	45.005	10.0	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.748	4.5	101	0.00
10 T	Methyl Iodide	50.000	42.838	14.3	94	0.00
11 T	Tert butyl alcohol	250.000	200.806	19.7	86	0.00
12 CM	1,1-Dichloroethene	50.000	47.298	5.4#	98	0.00
13 T	Acrolein	250.000	200.318	19.9	93	0.00
14 T	Allyl chloride	50.000	46.694	6.6	96	0.00
15 T	Acrylonitrile	250.000	217.995	12.8	91	0.00
16 T	Acetone	250.000	233.943	6.4	96	0.00
17 T	Carbon Disulfide	50.000	46.034	7.9	100	0.00
18 T	Methyl Acetate	50.000	43.756	12.5	93	0.00
19 T	Methyl tert-butyl Ether	50.000	45.910	8.2	98	0.00
20 T	Methylene Chloride	50.000	44.052	11.9	96	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.787	4.4	99	0.00
22 T	Diisopropyl ether	50.000	45.265	9.5	96	0.00
23 T	Vinyl Acetate	250.000	236.561	5.4	96	0.00
24 P	1,1-Dichloroethane	50.000	46.573	6.9	97	0.00
25 T	2-Butanone	250.000	214.558	14.2	92	0.00
26 T	2,2-Dichloropropane	50.000	46.772	6.5	99	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.180	7.6	98	0.00
28 T	Bromochloromethane	50.000	44.923	10.2	102	0.00
29 T	Tetrahydrofuran	250.000	222.835	10.9	91	0.00
30 C	Chloroform	50.000	44.599	10.8#	97	0.00
31 T	Cyclohexane	50.000	48.113	3.8	98	0.00
32 T	1,1,1-Trichloroethane	50.000	46.311	7.4	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.105	9.8	107	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	48.246	3.5	109	0.00
36 T	1,1-Dichloropropene	50.000	48.112	3.8	96	0.00
37 T	Ethyl Acetate	50.000	49.017	2.0	93	0.00
38 T	Carbon Tetrachloride	50.000	48.667	2.7	97	0.00
39 T	Methylcyclohexane	50.000	53.311	-6.6	101	0.00
40 TM	Benzene	50.000	48.860	2.3	98	0.00
41 T	Methacrylonitrile	50.000	45.521	9.0	93	0.00
42 TM	1,2-Dichloroethane	50.000	46.906	6.2	96	0.00
43 T	Isopropyl Acetate	50.000	46.912	6.2	93	0.00
44 TM	Trichloroethene	50.000	49.961	0.1	98	0.00
45 C	1,2-Dichloropropane	50.000	47.471	5.1#	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX091719

Quant Time: Sep 18 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	47.275	5.5	96	0.00
47 T	Bromodichloromethane	50.000	49.556	0.9	98	0.00
48 T	Methyl methacrylate	50.000	46.328	7.3	91	0.00
49 T	1,4-Dioxane	1000.000	856.532	14.3	87	0.00
50 S	Toluene-d8	50.000	48.766	2.5	110	0.00
51 T	4-Methyl-2-Pentanone	250.000	228.363	8.7	90	0.00
52 CM	Toluene	50.000	49.686	0.6#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	50.759	-1.5	98	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.556	-1.1	97	0.00
55 T	1,1,2-Trichloroethane	50.000	47.406	5.2	97	0.00
56 T	Ethyl methacrylate	50.000	48.627	2.7	96	0.00
57 T	1,3-Dichloropropane	50.000	47.986	4.0	96	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	244.491	2.2	100	0.00
59 T	2-Hexanone	250.000	229.246	8.3	90	0.00
60 T	Dibromochloromethane	50.000	50.825	-1.7	97	0.00
61 T	1,2-Dibromoethane	50.000	49.480	1.0	96	0.00
62 S	4-Bromofluorobenzene	50.000	48.588	2.8	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64 T	Tetrachloroethene	50.000	48.565	2.9	97	0.00
65 PM	Chlorobenzene	50.000	48.642	2.7	99	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.435	-0.9	99	0.00
67 C	Ethyl Benzene	50.000	49.476	1.0#	97	0.00
68 T	m/p-Xylenes	100.000	99.711	0.3	98	0.00
69 T	o-Xylene	50.000	49.927	0.1	98	0.00
70 T	Styrene	50.000	50.252	-0.5	97	0.00
71 P	Bromoform	50.000	43.217	13.6	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73 T	Isopropylbenzene	50.000	47.777	4.4	97	0.00
74 T	N-amyl acetate	50.000	47.376	5.2	94	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.500	9.0	94	0.00
76 T	1,2,3-Trichloropropane	50.000	47.320	5.4	94	0.00
77 T	Bromobenzene	50.000	47.628	4.7	98	0.00
78 T	n-propylbenzene	50.000	49.886	0.2	100	0.00
79 T	2-Chlorotoluene	50.000	47.260	5.5	99	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.247	1.5	99	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	44.701	10.6	94	0.00
82 T	4-Chlorotoluene	50.000	48.866	2.3	100	0.00
83 T	tert-Butylbenzene	50.000	48.484	3.0	100	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.346	1.3	100	0.00
85 T	sec-Butylbenzene	50.000	50.411	-0.8	101	0.00
86 T	p-Isopropyltoluene	50.000	50.343	-0.7	101	0.00
87 T	1,3-Dichlorobenzene	50.000	48.975	2.0	101	0.00
88 T	1,4-Dichlorobenzene	50.000	47.832	4.3	99	0.00
89 T	n-Butylbenzene	50.000	50.647	-1.3	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

Quant Time: Sep 18 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	50.788	-1.6	99	0.00
91 T	1,2-Dichlorobenzene	50.000	47.689	4.6	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.665	4.7	93	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.893	-3.8	102	0.00
94 T	Hexachlorobutadiene	50.000	50.452	-0.9	104	0.00
95 T	Naphthalene	50.000	50.618	-1.2	97	0.00
96 T	1,2,3-Trichlorobenzene	50.000	51.519	-3.0	101	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX091719

Quant Time: Sep 18 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	0.302	0.311	-3.0	99	0.00
3 P	Chloromethane	0.275	0.259	5.8	98	0.00
4 C	Vinyl Chloride	0.297	0.278	6.4#	97	0.00
5 T	Bromomethane	0.117	0.112	4.3	111	0.00
6 T	Chloroethane	0.232	0.191	17.7	96	0.00
7 T	Trichlorofluoromethane	0.545	0.525	3.7	98	0.00
8 T	Diethyl Ether	0.246	0.221	10.2	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.394	0.376	4.6	101	0.00
10 T	Methyl Iodide	0.301	0.285	5.3	94	0.00
11 T	Tert butyl alcohol	0.193	0.147	23.8#	86	0.00
12 CM	1,1-Dichloroethene	0.314	0.297	5.4#	98	0.00
13 T	Acrolein	0.069	0.051	26.1#	93	0.00
14 T	Allyl chloride	0.732	0.683	6.7	96	0.00
15 T	Acrylonitrile	0.311	0.271	12.9	91	0.00
16 T	Acetone	0.363	0.307	15.4	96	0.00
17 T	Carbon Disulfide	0.389	0.408	-4.9	100	0.00
18 T	Methyl Acetate	0.747	0.653	12.6	93	0.00
19 T	Methyl tert-butyl Ether	1.714	1.574	8.2	98	0.00
20 T	Methylene Chloride	0.434	0.382	12.0	96	0.00
21 T	trans-1,2-Dichloroethene	0.326	0.312	4.3	99	0.00
22 T	Diisopropyl ether	1.714	1.551	9.5	96	0.00
23 T	Vinyl Acetate	1.410	1.334	5.4	96	0.00
24 P	1,1-Dichloroethane	0.820	0.764	6.8	97	0.00
25 T	2-Butanone	0.497	0.427	14.1	92	0.00
26 T	2,2-Dichloropropane	0.806	0.754	6.5	99	0.00
27 T	cis-1,2-Dichloroethene	0.488	0.450	7.8	98	0.00
28 T	Bromochloromethane	0.423	0.380	10.2	102	0.00
29 T	Tetrahydrofuran	0.275	0.245	10.9	91	0.00
30 C	Chloroform	0.942	0.840	10.8#	97	0.00
31 T	Cyclohexane	0.495	0.476	3.8	98	0.00
32 T	1,1,1-Trichloroethane	0.787	0.729	7.4	97	0.00
33 S	1,2-Dichloroethane-d4	0.717	0.646	9.9	107	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.303	0.292	3.6	109	0.00
36 T	1,1-Dichloropropene	0.304	0.292	3.9	96	0.00
37 T	Ethyl Acetate	0.466	0.457	1.9	93	0.00
38 T	Carbon Tetrachloride	0.378	0.368	2.6	97	0.00
39 T	Methylcyclohexane	0.295	0.315	-6.8	101	0.00
40 TM	Benzene	0.966	0.944	2.3	98	0.00
41 T	Methacrylonitrile	0.300	0.273	9.0	93	0.00
42 TM	1,2-Dichloroethane	0.448	0.420	6.3	96	0.00
43 T	Isopropyl Acetate	0.837	0.785	6.2	93	0.00
44 TM	Trichloroethene	0.254	0.254	0.0	98	0.00
45 C	1,2-Dichloropropane	0.297	0.282	5.1#	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

Quant Time: Sep 18 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.192	0.182	5.2	96	0.00
47 T	Bromodichloromethane	0.428	0.424	0.9	98	0.00
48 T	Methyl methacrylate	0.395	0.366	7.3	91	0.00
49 T	1,4-Dioxane	0.010	0.008	20.0	87	0.00
50 S	Toluene-d8	1.120	1.093	2.4	110	0.00
51 T	4-Methyl-2-Pentanone	0.549	0.502	8.6	90	0.00
52 CM	Toluene	0.623	0.619	0.6#	98	0.00
53 T	t-1,3-Dichloropropene	0.445	0.451	-1.3	98	0.00
54 T	cis-1,3-Dichloropropene	0.460	0.465	-1.1	97	0.00
55 T	1,1,2-Trichloroethane	0.321	0.304	5.3	97	0.00
56 T	Ethyl methacrylate	0.502	0.488	2.8	96	0.00
57 T	1,3-Dichloropropane	0.512	0.491	4.1	96	0.00
58 T	2-Chloroethyl Vinyl ether	0.260	0.254	2.3	100	0.00
59 T	2-Hexanone	0.428	0.393	8.2	90	0.00
60 T	Dibromochloromethane	0.327	0.332	-1.5	97	0.00
61 T	1,2-Dibromoethane	0.293	0.290	1.0	96	0.00
62 S	4-Bromofluorobenzene	0.465	0.452	2.8	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64 T	Tetrachloroethene	0.229	0.223	2.6	97	0.00
65 PM	Chlorobenzene	0.825	0.803	2.7	99	0.00
66 T	1,1,1,2-Tetrachloroethane	0.342	0.345	-0.9	99	0.00
67 C	Ethyl Benzene	1.418	1.403	1.1#	97	0.00
68 T	m/p-Xylenes	0.516	0.514	0.4	98	0.00
69 T	o-Xylene	0.531	0.530	0.2	98	0.00
70 T	Styrene	0.939	0.943	-0.4	97	0.00
71 P	Bromoform	0.256	0.252	1.6	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73 T	Isopropylbenzene	3.137	2.998	4.4	97	0.00
74 T	N-amyl acetate	1.689	1.600	5.3	94	0.00
75 P	1,1,2,2-Tetrachloroethane	1.231	1.120	9.0	94	0.00
76 T	1,2,3-Trichloropropane	1.149	1.087	5.4	94	0.00
77 T	Bromobenzene	0.765	0.729	4.7	98	0.00
78 T	n-propylbenzene	3.497	3.489	0.2	100	0.00
79 T	2-Chlorotoluene	2.275	2.150	5.5	99	0.00
80 T	1,3,5-Trimethylbenzene	2.676	2.635	1.5	99	0.00
81 T	trans-1,4-Dichloro-2-butene	0.387	0.371	4.1	94	0.00
82 T	4-Chlorotoluene	2.611	2.551	2.3	100	0.00
83 T	tert-Butylbenzene	2.867	2.780	3.0	100	0.00
84 T	1,2,4-Trimethylbenzene	2.747	2.711	1.3	100	0.00
85 T	sec-Butylbenzene	3.159	3.185	-0.8	101	0.00
86 T	p-Isopropyltoluene	2.901	2.921	-0.7	101	0.00
87 T	1,3-Dichlorobenzene	1.439	1.410	2.0	101	0.00
88 T	1,4-Dichlorobenzene	1.478	1.414	4.3	99	0.00
89 T	n-Butylbenzene	2.588	2.622	-1.3	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

Quant Time: Sep 18 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.532	0.540	-1.5	99	0.00
91 T	1,2-Dichlorobenzene	1.504	1.435	4.6	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.319	0.304	4.7	93	0.00
93 T	1,2,4-Trichlorobenzene	0.969	1.006	-3.8	102	0.00
94 T	Hexachlorobutadiene	0.457	0.461	-0.9	104	0.00
95 T	Naphthalene	3.448	3.490	-1.2	97	0.00
96 T	1,2,3-Trichlorobenzene	0.987	1.017	-3.0	101	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG No.: K4888
 Instrument ID: MSVOA_X Calibration Date/Time: 09/19/2019 10:30
 Lab File ID: VX012517.D Init. Calib. Date(s): 09/17/2019 09/17/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:59 13:56
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.302	0.331		9.6	20
Chloromethane	0.275	0.263	0.1	-4.36	20
Vinyl Chloride	0.297	0.294		-1.01	20
Bromomethane	0.117	0.103		-11.97	20
Chloroethane	0.232	0.211		-9.05	20
Trichlorofluoromethane	0.545	0.570		4.59	20
1,1,2-Trichlorotrifluoroethane	0.394	0.399		1.27	20
1,1-Dichloroethene	0.314	0.306		-2.55	20
Acetone	0.363	0.349		-3.86	20
Carbon Disulfide	0.389	0.386		-0.77	20
Methyl tert-butyl Ether	1.714	1.668		-2.68	20
Methyl Acetate	0.747	0.680		-8.97	20
Methylene Chloride	0.434	0.413		-4.84	20
trans-1,2-Dichloroethene	0.326	0.323		-0.92	20
1,1-Dichloroethane	0.820	0.816	0.1	-0.49	20
Cyclohexane	0.495	0.489		-1.21	20
2-Butanone	0.497	0.462		-7.04	20
Carbon Tetrachloride	0.378	0.386		2.12	20
cis-1,2-Dichloroethene	0.488	0.481		-1.43	20
Bromochloromethane	0.423	0.404		-4.49	20
Chloroform	0.942	0.901		-4.35	20
1,1,1-Trichloroethane	0.787	0.768		-2.41	20
Methylcyclohexane	0.295	0.324		9.83	20
Benzene	0.966	0.994		2.9	20
1,2-Dichloroethane	0.448	0.445		-0.67	20
Trichloroethene	0.254	0.272		7.09	20
1,2-Dichloropropane	0.297	0.301		1.35	20
Bromodichloromethane	0.428	0.440		2.8	20
4-Methyl-2-Pentanone	0.549	0.522		-4.92	20
Toluene	0.623	0.654		4.98	20
t-1,3-Dichloropropene	0.445	0.462		3.82	20
cis-1,3-Dichloropropene	0.460	0.479		4.13	20
1,1,2-Trichloroethane	0.321	0.323		0.62	20
2-Hexanone	0.428	0.413		-3.51	20
Dibromochloromethane	0.327	0.349		6.73	20
1,2-Dibromoethane	0.293	0.311		6.14	20
Tetrachloroethene	0.229	0.268		17.03	20
Chlorobenzene	0.825	0.858	0.3	4	20
Ethyl Benzene	1.418	1.498		5.64	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG No.: K4888
 Instrument ID: MSVOA_X Calibration Date/Time: 09/19/2019 10:30
 Lab File ID: VX012517.D Init. Calib. Date(s): 09/17/2019 09/17/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:59 13:56
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.516	0.555		7.56	20
o-Xylene	0.531	0.565		6.4	20
Styrene	0.939	1.013		7.88	20
Bromoform	0.256	0.272	0.1	6.25	20
Isopropylbenzene	3.137	3.235		3.12	20
1,1,2,2-Tetrachloroethane	1.231	1.191	0.3	-3.25	20
1,3-Dichlorobenzene	1.439	1.515		5.28	20
1,4-Dichlorobenzene	1.478	1.532		3.65	20
1,2-Dichlorobenzene	1.504	1.540		2.39	20
1,2-Dibromo-3-Chloropropane	0.319	0.312		-2.19	20
1,2,4-Trichlorobenzene	0.969	1.064		9.8	20
1,2,3-Trichlorobenzene	0.987	1.081		9.52	20
1,2-Dichloroethane-d4	0.717	0.720		0.42	20
Dibromofluoromethane	0.303	0.331		9.24	20
Toluene-d8	1.120	1.216		8.57	20
4-Bromofluorobenzene	0.465	0.499		7.31	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 11:43:37 AM

Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	205522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	333037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	300807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	148206	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	148000	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	5.48	113	110321	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
50) Toluene-d8	8.71	98	404917	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	11.13	95	166116	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	68034	49.620	ug/l	98
3) Chloromethane	1.32	50	54139	47.915	ug/l	98
4) Vinyl Chloride	1.40	62	60321	49.394	ug/l	100
5) Bromomethane	1.63	94	21139	44.059	ug/l	94
6) Chloroethane	1.71	64	43303	45.313	ug/l	93
7) Trichlorofluoromethane	1.92	101	117080	52.299	ug/l	99
8) Diethyl Ether	2.18	74	48075	47.545	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	81967	50.605	ug/l	99
10) Methyl Iodide	2.50	142	60808	44.303	ug/l	97
11) Tert butyl alcohol	3.03	59	157458	209.854	ug/l	100
12) 1,1-Dichloroethene	2.36	96	62950	48.718	ug/l	95
13) Acrolein	2.28	56	54010	208.539	ug/l	100
14) Allyl chloride	2.72	41	143009	47.539	ug/l	98
15) Acrylonitrile	3.13	53	294585	230.791	ug/l	99
16) Acetone	2.43	43	358881	267.198	ug/l	98
17) Carbon Disulfide	2.56	76	79397	43.685	ug/l	98
18) Methyl Acetate	2.76	43	139734	45.526	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	342855	48.665	ug/l	98
20) Methylene Chloride	2.84	84	84975	47.668	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	66384	49.474	ug/l	95
22) Diisopropyl ether	3.84	45	342006	48.555	ug/l	95
23) Vinyl Acetate	3.80	43	1421865	245.398	ug/l	99
24) 1,1-Dichloroethane	3.69	63	167678	49.755	ug/l	98
25) 2-Butanone	4.65	43	474667	232.314	ug/l	99
26) 2,2-Dichloropropane	4.56	77	158421	47.797	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	98802	49.292	ug/l	98
28) Bromochloromethane	5.00	49	83103	47.831	ug/l	95
29) Tetrahydrofuran	5.11	42	258526	229.037	ug/l	100
30) Chloroform	5.20	83	185185	47.846	ug/l	98
31) Cyclohexane	5.57	56	100589	49.444	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	157837	48.792	ug/l	99
36) 1,1-Dichloropropene	5.78	75	105002	51.877	ug/l	99
37) Ethyl Acetate	4.81	43	156493	50.369	ug/l	100
38) Carbon Tetrachloride	5.77	117	128712	51.130	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 9/20/2019 11:43:37 AM

Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	107822	54.798	ug/l	99
40) Benzene	6.13	78	331143	51.449	ug/l	98
41) Methacrylonitrile	5.03	41	94807	47.391	ug/l	98
42) 1,2-Dichloroethane	6.18	62	148090	49.607	ug/l	100
43) Isopropyl Acetate	6.43	43	271082	48.613	ug/l	99
44) Trichloroethene	7.20	130	90520	53.464	ug/l	93
45) 1,2-Dichloropropane	7.51	63	100109	50.626	ug/l	96
46) Dibromomethane	7.65	93	66176	51.715	ug/l	96
47) Bromodichloromethane	7.89	83	146523	51.426	ug/l	100
48) Methyl methacrylate	7.76	41	127847	48.637	ug/l	98
49) 1,4-Dioxane	7.73	88	59651	932.397	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	868469	237.488	ug/l	99
52) Toluene	8.78	92	217704	52.492	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	153773	51.920	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	159575	52.043	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	107461	50.293	ug/l	99
56) Ethyl methacrylate	9.17	69	169430	50.716	ug/l	99
57) 1,3-Dichloropropane	9.37	76	175651	51.523	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	447613	258.841	ug/l	100
59) 2-Hexanone	9.48	43	687419	240.947	ug/l	99
60) Dibromochloromethane	9.57	129	116250	53.412	ug/l	99
61) 1,2-Dibromoethane	9.67	107	103485	53.029	ug/l	99
64) Tetrachloroethene	9.33	164	80685	58.535	ug/l	93
65) Chlorobenzene	10.14	112	258160	51.998	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	108268	52.544	ug/l	99
67) Ethyl Benzene	10.24	91	450690	52.837	ug/l	99
68) m/p-Xylenes	10.35	106	333775	107.545	ug/l	98
69) o-Xylene	10.70	106	169941	53.244	ug/l	99
70) Styrene	10.71	104	304772	53.969	ug/l	98
71) Bromoform	10.85	173	81878	46.372	ug/l #	99
73) Isopropylbenzene	11.01	105	479485	51.563	ug/l	98
74) N-amyl acetate	10.89	43	245664	49.069	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	176557	48.401	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	144735m	42.514	ug/l	
77) Bromobenzene	11.25	156	117498	51.810	ug/l	98
78) n-propylbenzene	11.35	91	542196	52.314	ug/l	99
79) 2-Chlorotoluene	11.42	91	334460	49.605	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	412407	52.002	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	56297	45.684	ug/l	99
82) 4-Chlorotoluene	11.51	91	400324	51.733	ug/l	99
83) tert-Butylbenzene	11.77	119	427590	50.317	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	425146	52.211	ug/l	99
85) sec-Butylbenzene	11.94	105	489329	52.256	ug/l	99
86) p-Isopropyltoluene	12.06	119	457040	53.153	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	224569	52.641	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	226985	51.798	ug/l	100
89) n-Butylbenzene	12.38	91	399055	52.014	ug/l	99
90) Hexachloroethane	12.59	117	81740	51.844	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	228226	51.186	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	46185	48.836	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	157644	54.890	ug/l	99
94) Hexachlorobutadiene	13.78	225	67637	49.968	ug/l	99
95) Naphthalene	13.83	128	545180	53.349	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	160158	54.724	ug/l	99

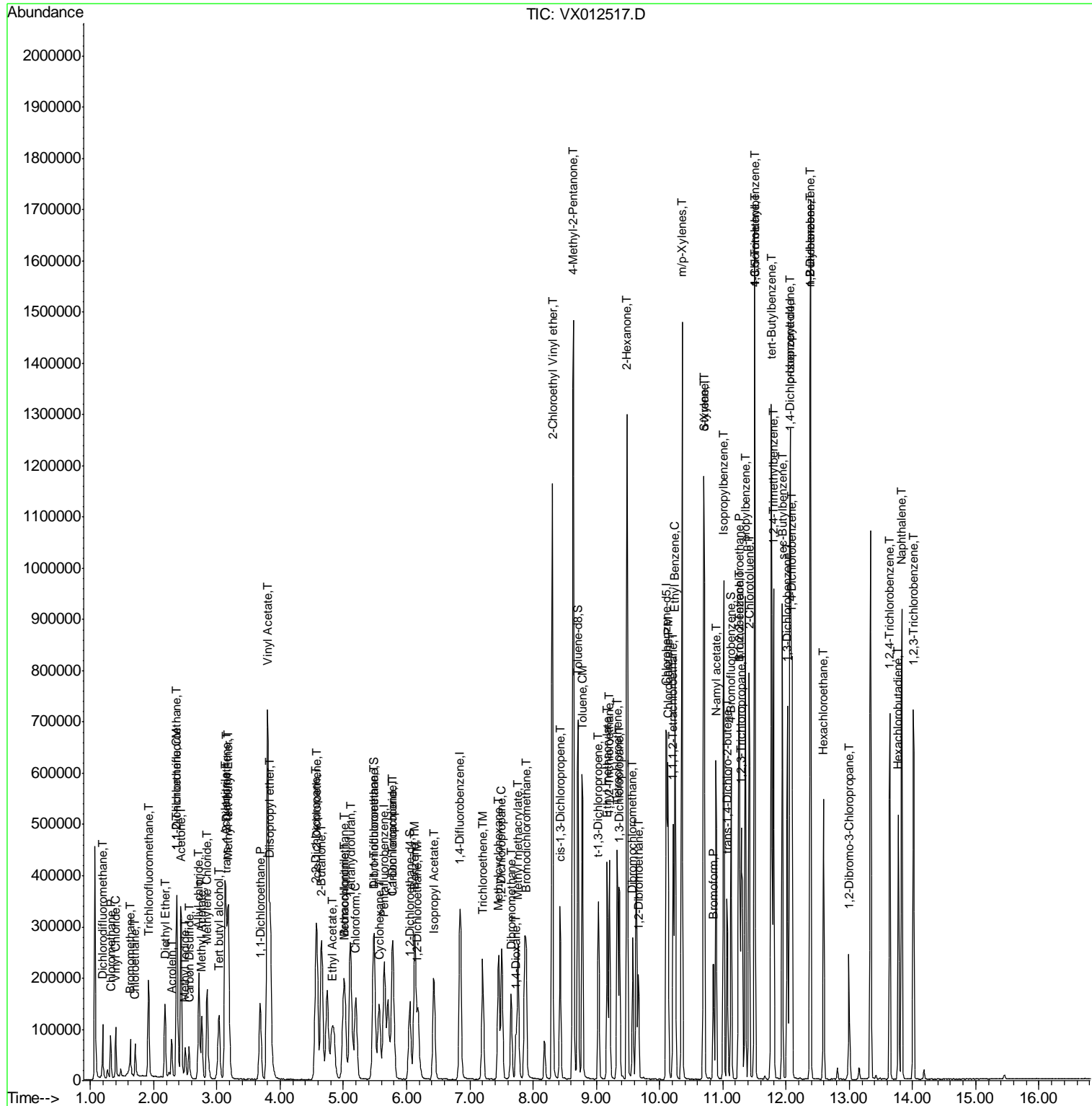
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

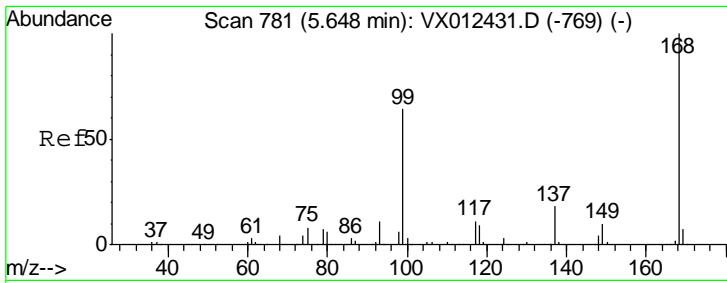
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDCCC050

Manual Integrations
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 9/20/2019 11:43:37 AM

Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration



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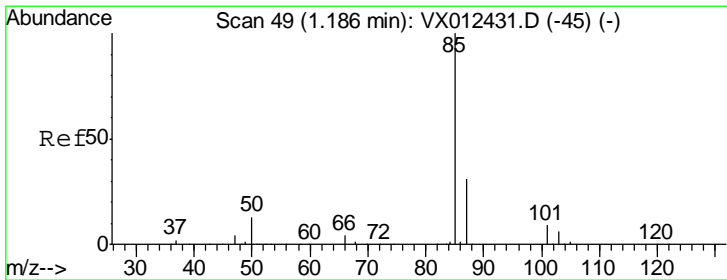
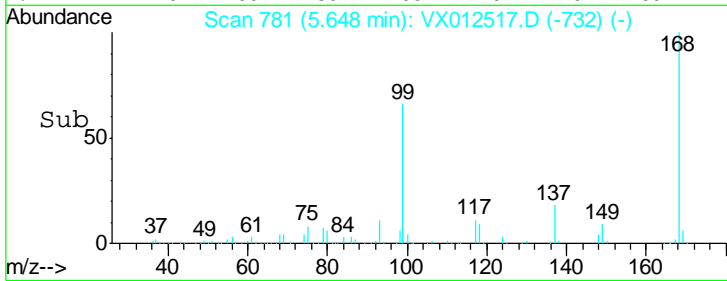
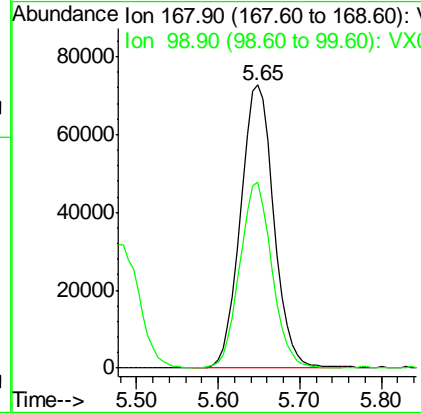
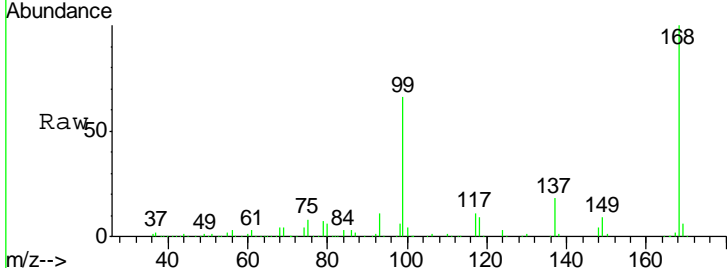


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
168	100		
99	65.4	51.4	77.2

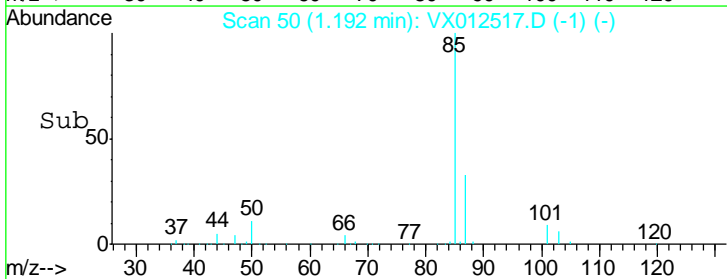
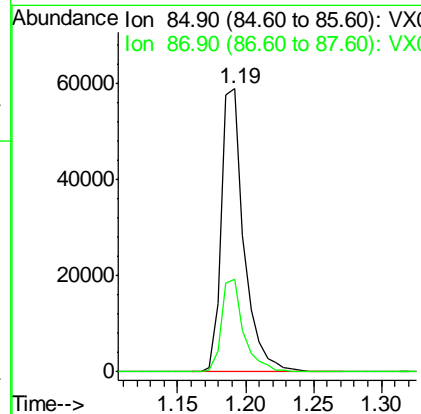
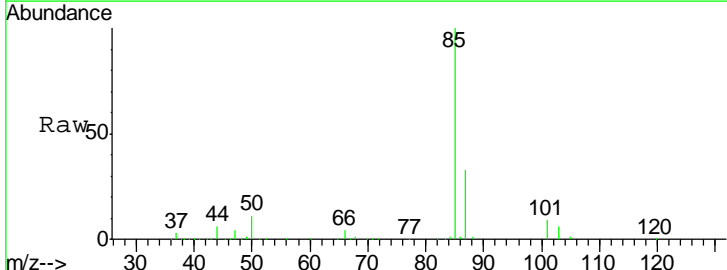
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

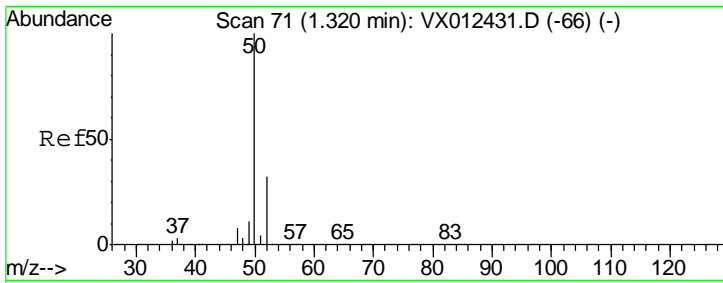
Manual Integrations APPROVED
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 9/20/2019 11:43:37 AM



#2
 Dichlorodifluoromethane
 Concen: 49.620 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.5	15.6	46.8



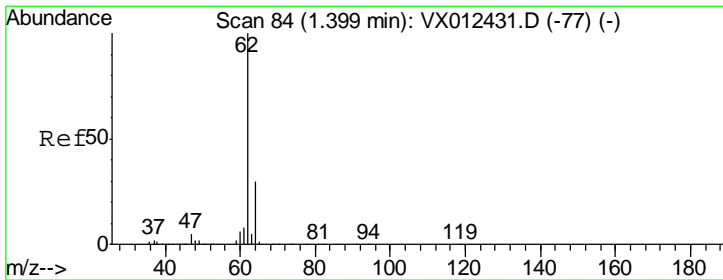
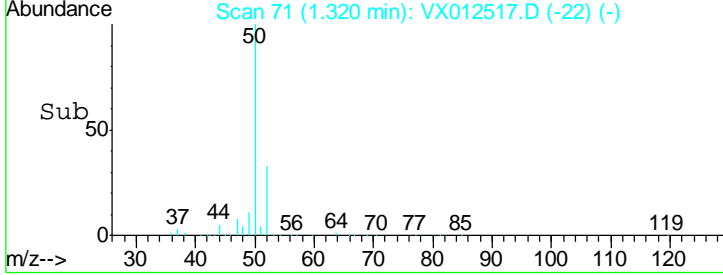
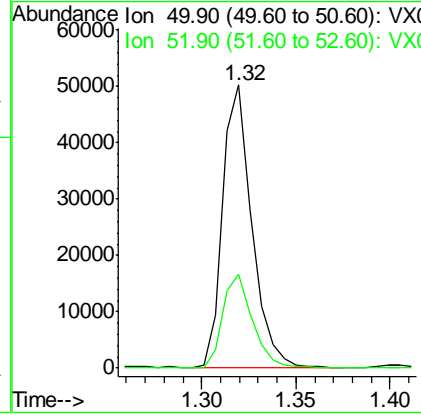
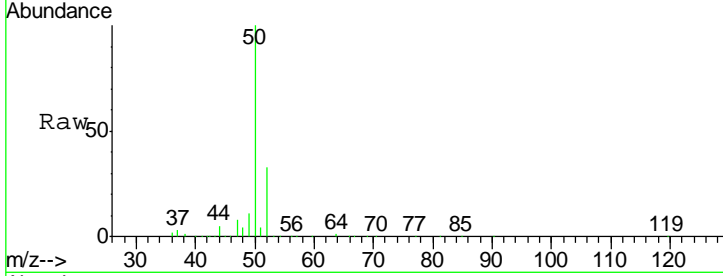


#3
 Chloromethane
 Concen: 47.915 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
50	54139		
52	33.4	25.7	38.5

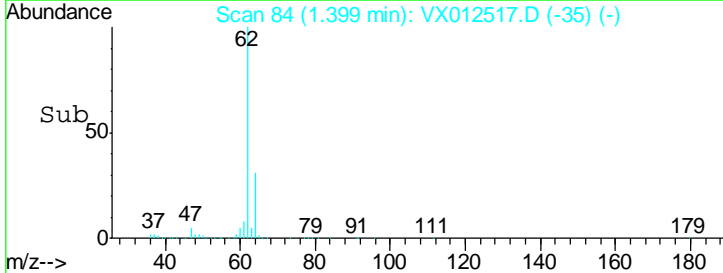
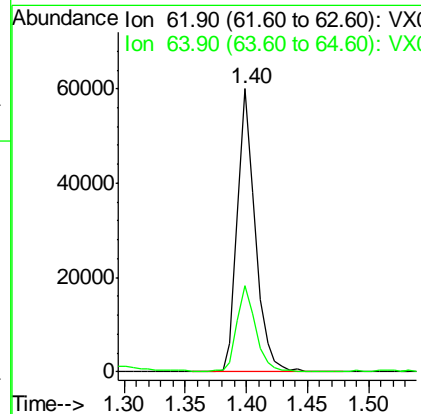
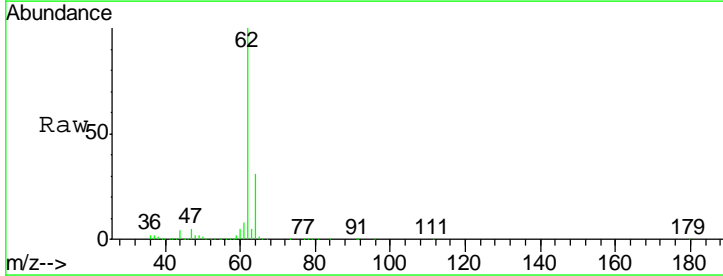
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

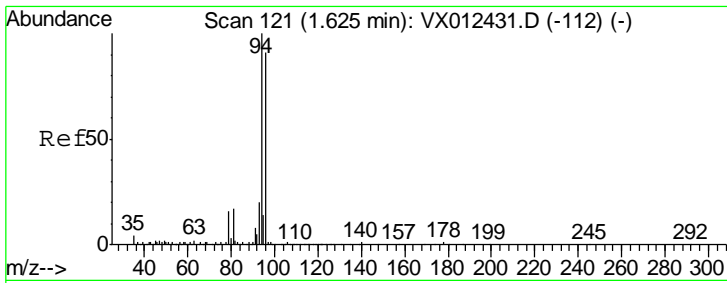
Manual Integrations APPROVED
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#4
 Vinyl Chloride
 Concen: 49.394 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
62	60321		
64	30.4	24.2	36.2



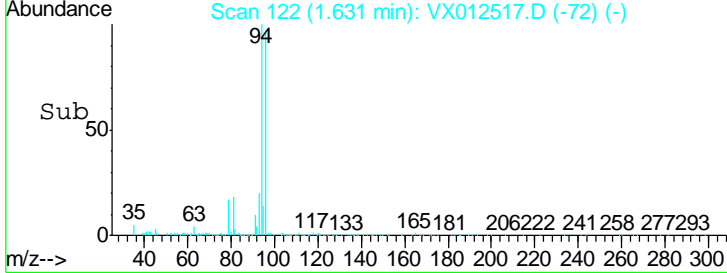
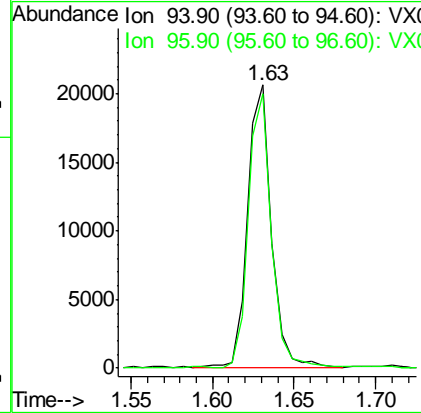
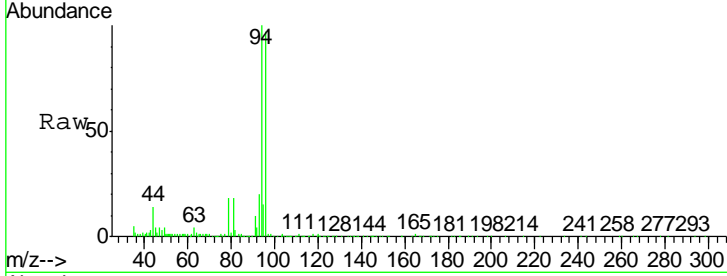


#5
 Bromomethane
 Concen: 44.059 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
94	21139		
96	96.6	72.8	109.2

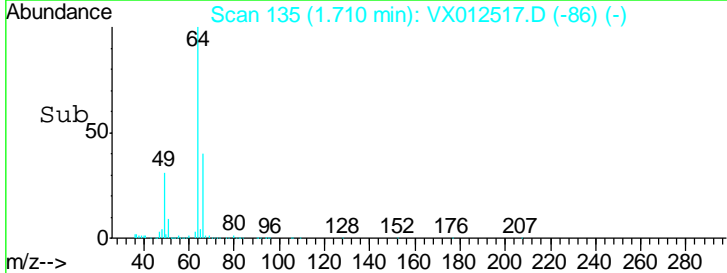
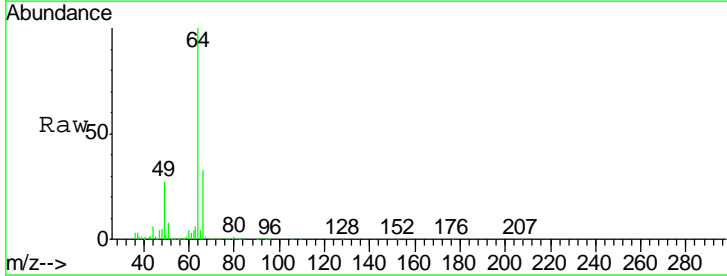
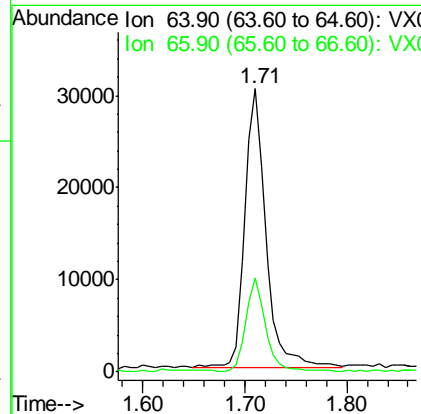
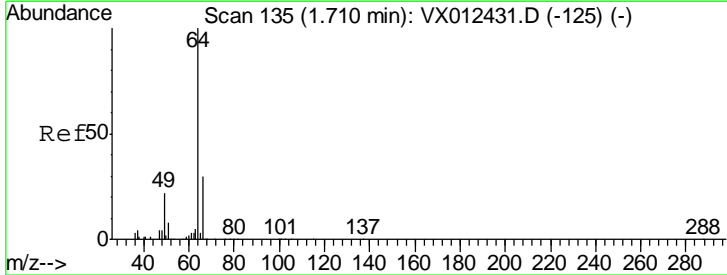
Instrument : MSVOA_X
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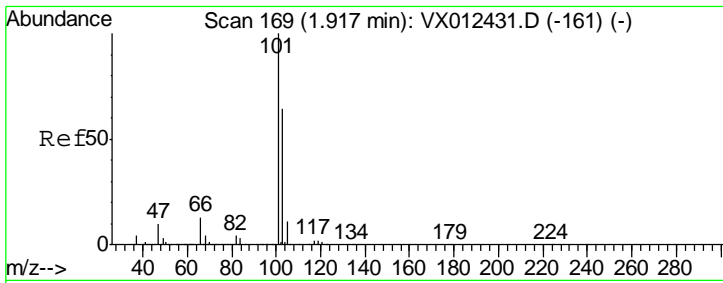
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 45.313 ug/l
 RT: 1.71 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
64	43303		
66	33.5	24.0	36.0



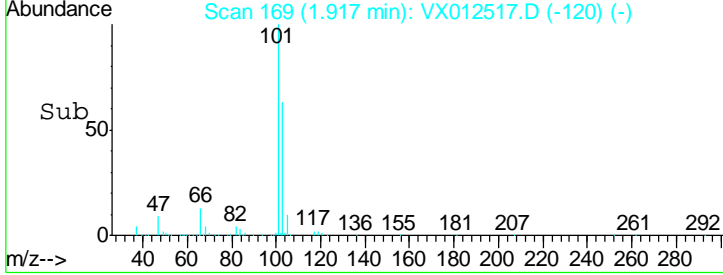
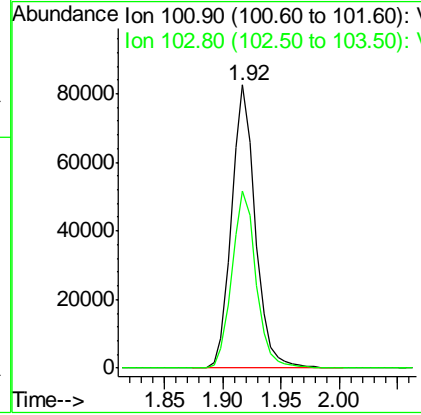
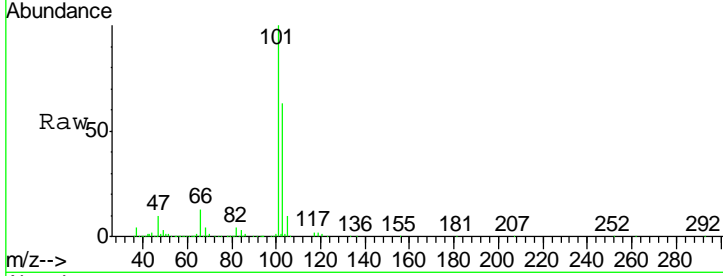


#7
 Trichlorofluoromethane
 Concen: 52.299 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
101	117080		
103	62.7	51.0	76.4

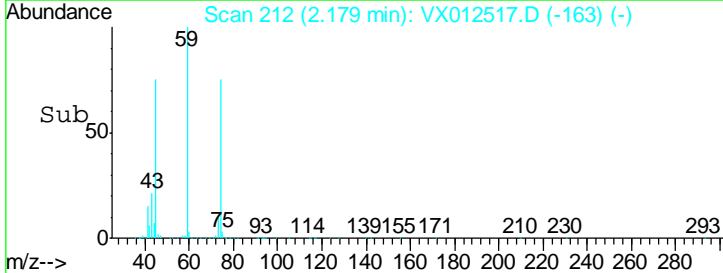
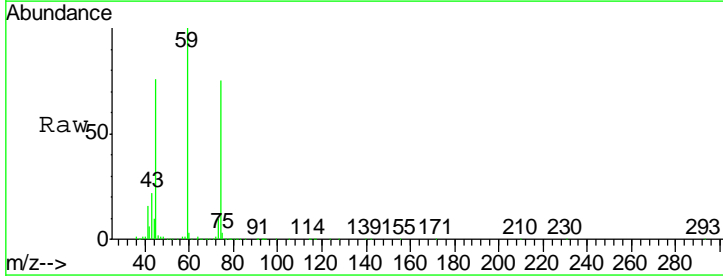
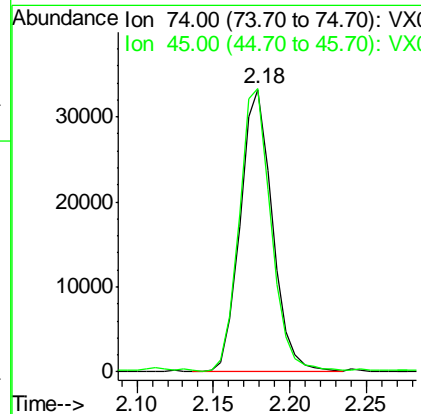
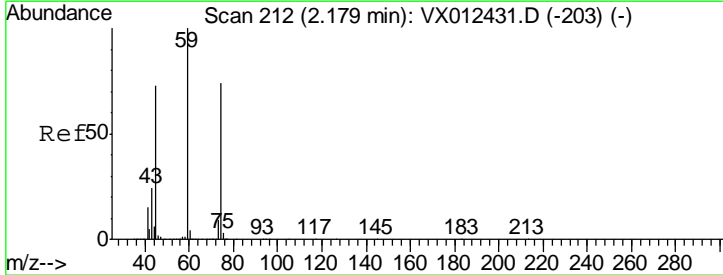
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

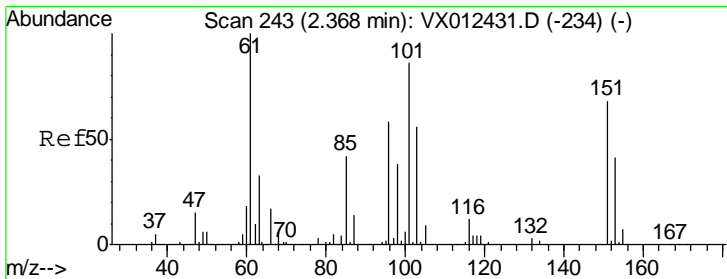
Manual Integrations APPROVED
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 9/20/2019 11:43:37 AM



#8
 Diethyl Ether
 Concen: 47.545 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

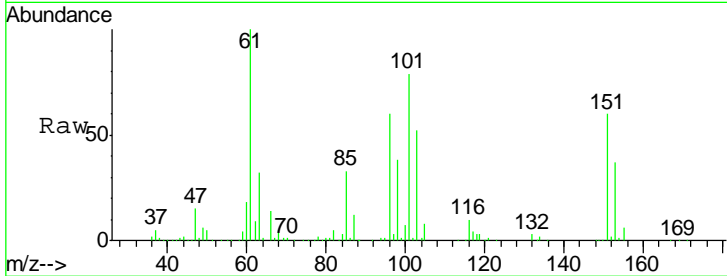
Tgt Ion	Resp	Lower	Upper
74	48075		
45	99.7	49.9	149.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.605 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

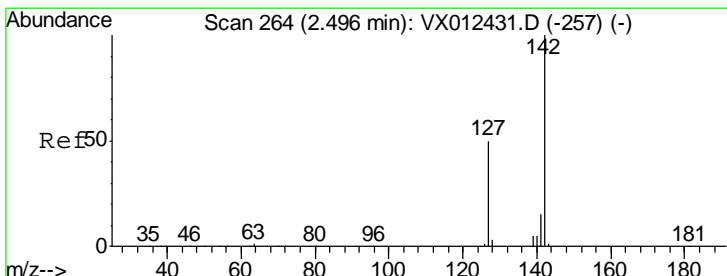
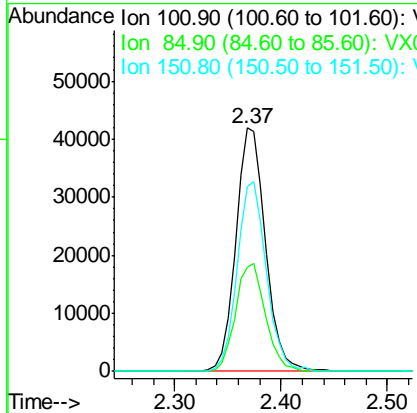
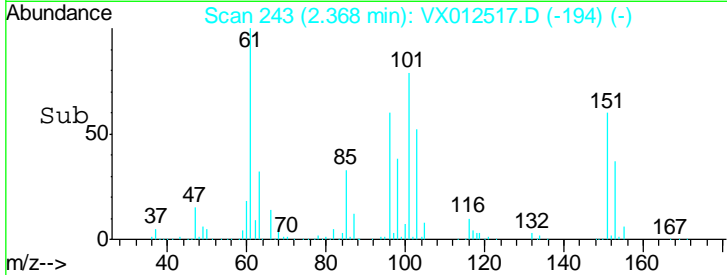
Instrument :
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 ClientSampled :
 VSTDCCC050



Tgt Ion: 101 Resp: 81967

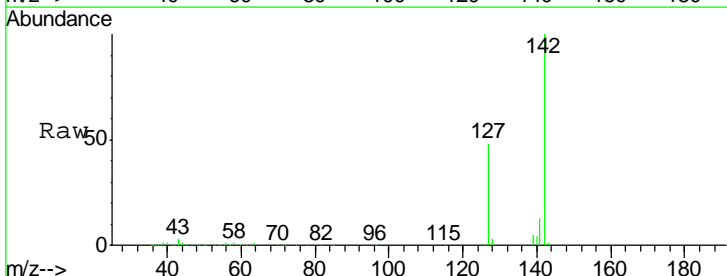
Ion	Ratio	Lower	Upper
101	100		
85	45.0	37.3	55.9
151	76.9	61.0	91.4

Manual Integrations
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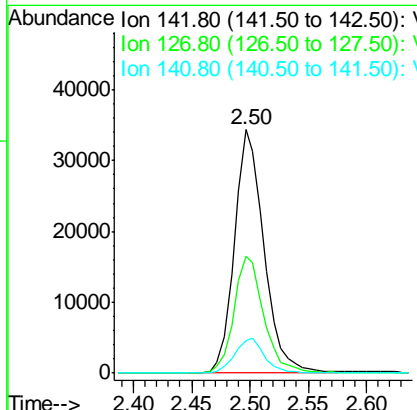
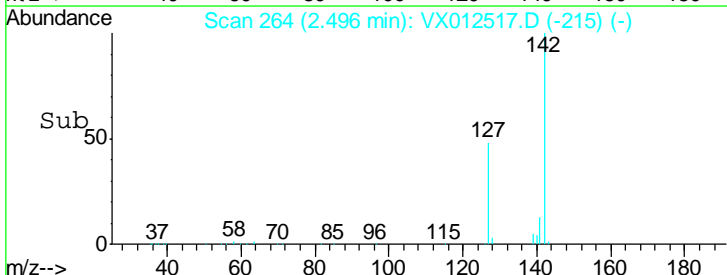
#10
 Methyl Iodide
 Concen: 44.303 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

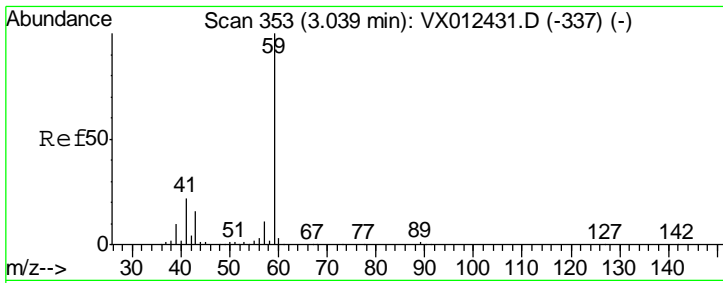
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050



Tgt Ion: 142 Resp: 60808

Ion	Ratio	Lower	Upper
142	100		
127	48.6	40.8	61.2
141	14.2	12.1	18.1



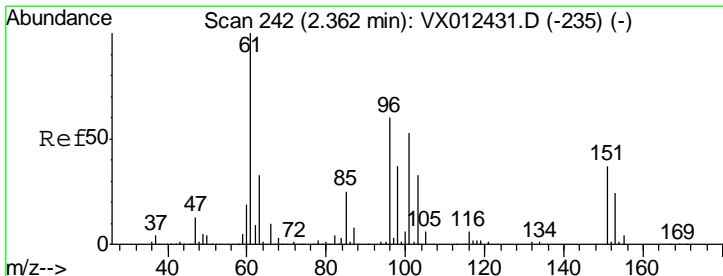
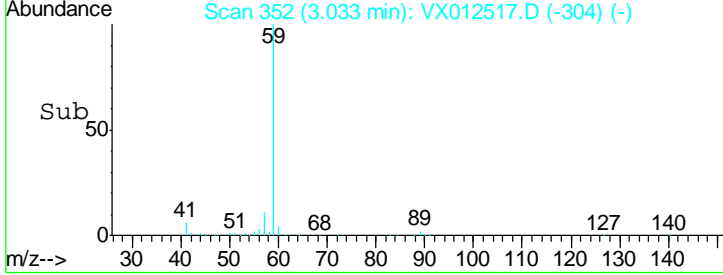
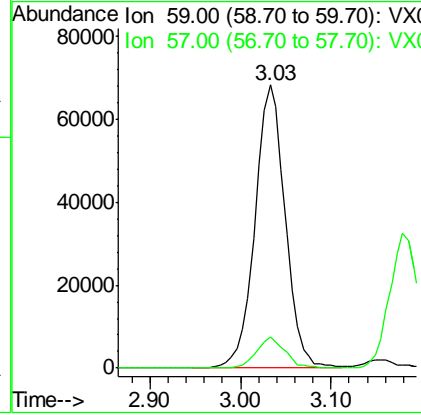
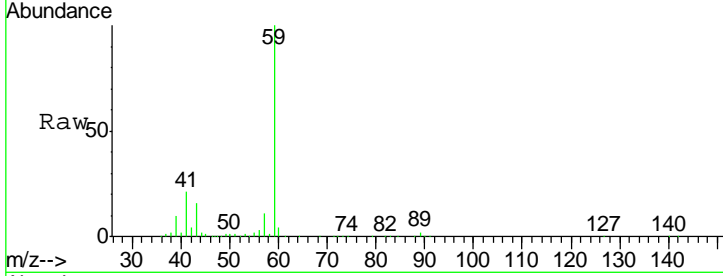


#11
 Tert butyl alcohol
 Concen: 209.854 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.3	8.3	12.5

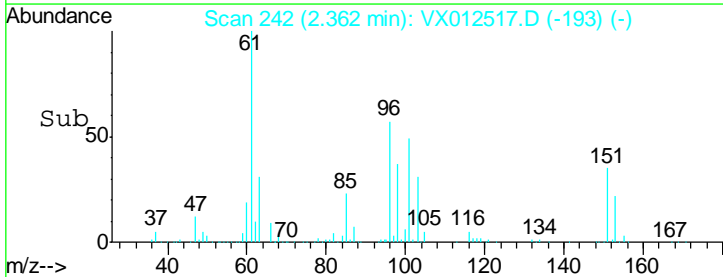
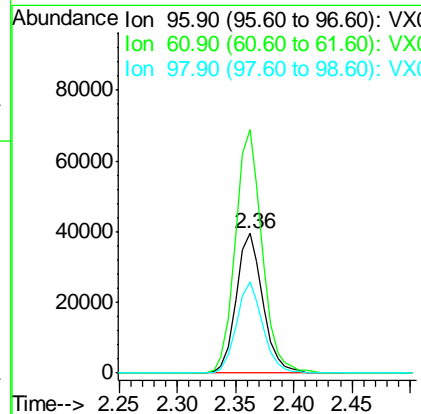
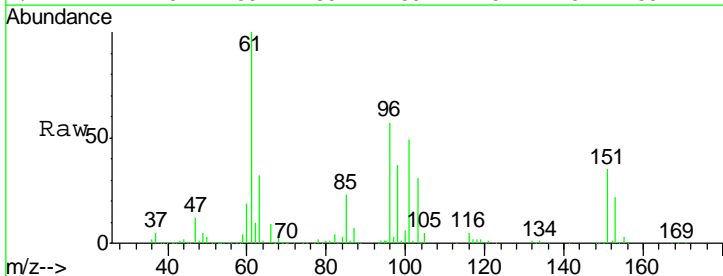
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

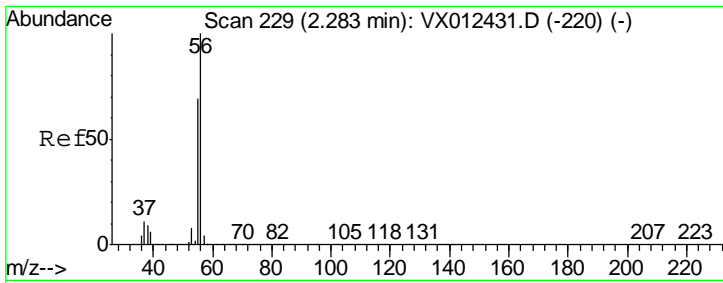
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#12
 1,1-Dichloroethene
 Concen: 48.718 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
96	100		
61	174.5	133.8	200.6
98	65.3	49.9	74.9



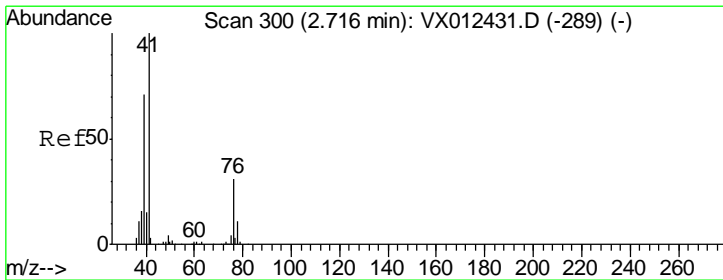
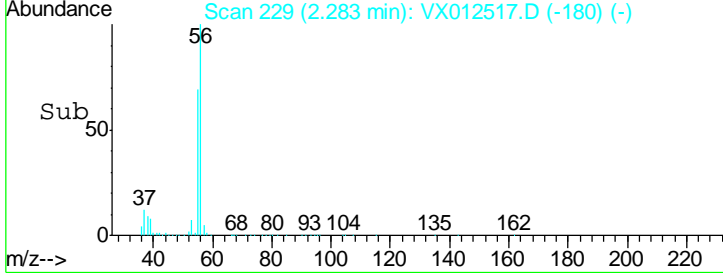
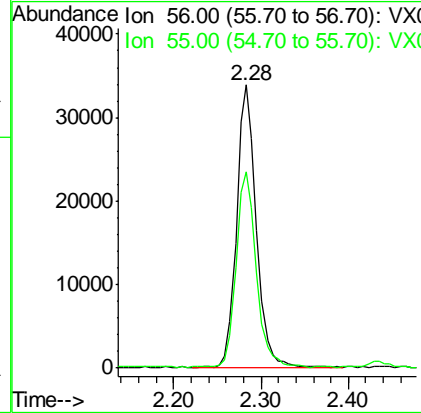
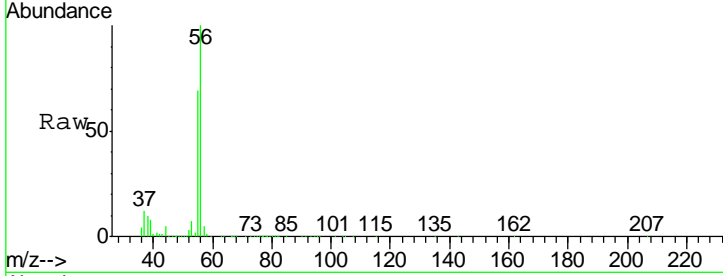


#13
 Acrolein
 Concen: 208.539 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
56	100		
55	69.9	55.8	83.8

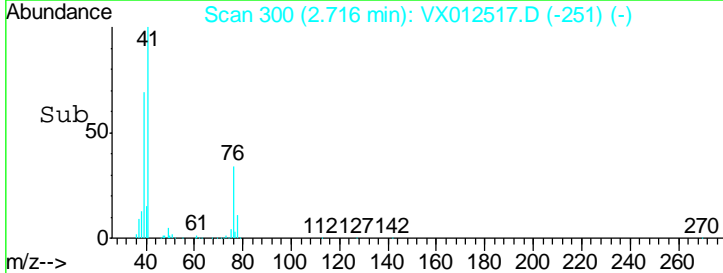
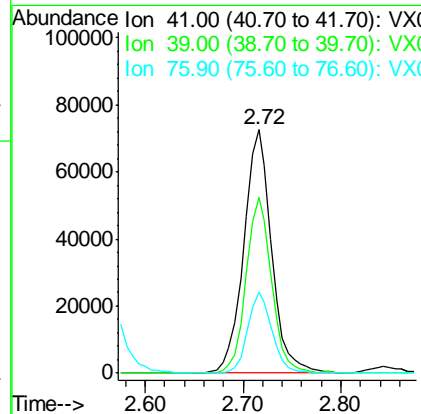
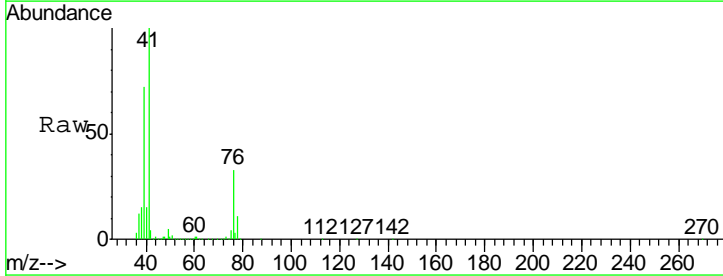
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

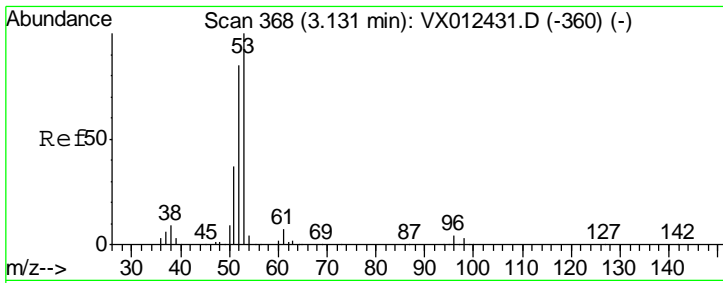
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#14
 Allyl chloride
 Concen: 47.539 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
41	100		
39	65.5	51.3	76.9
76	28.8	22.6	33.8





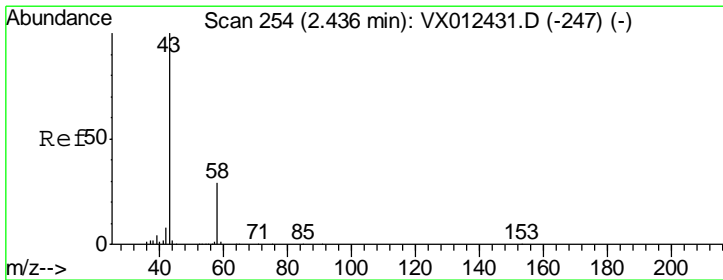
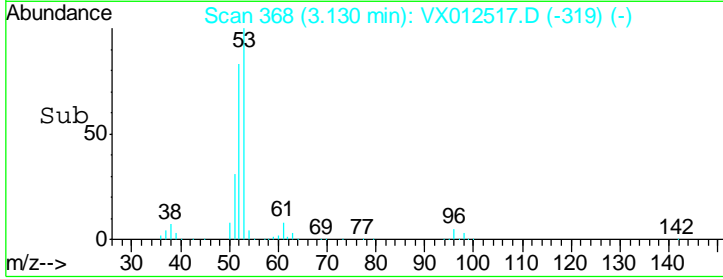
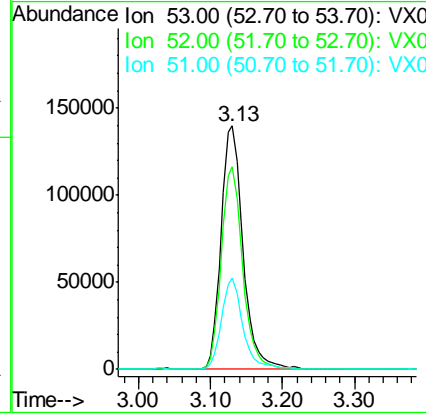
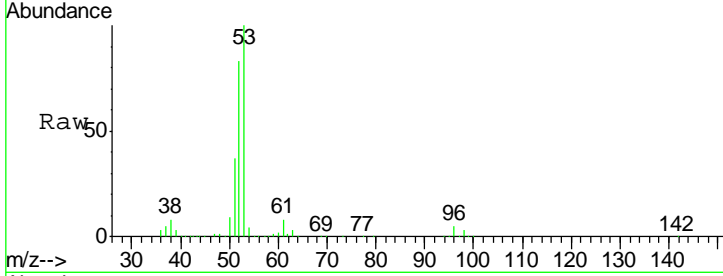
#15
 Acrylonitrile
 Concen: 230.791 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.0	67.0	100.4
51	37.0	29.6	44.4

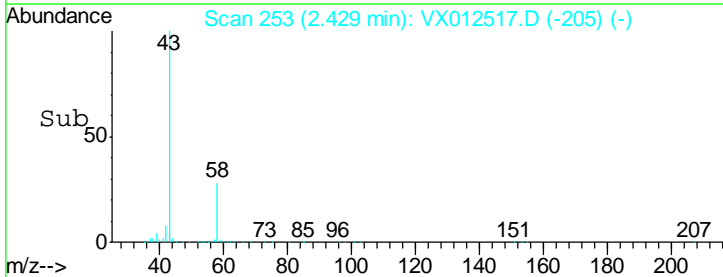
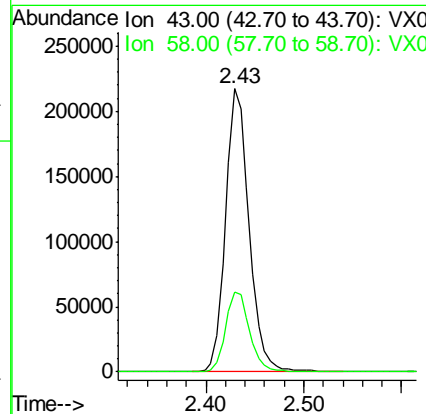
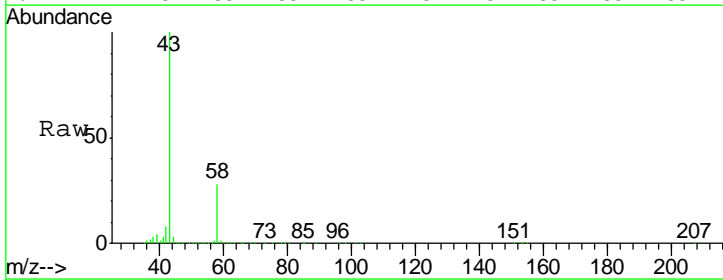
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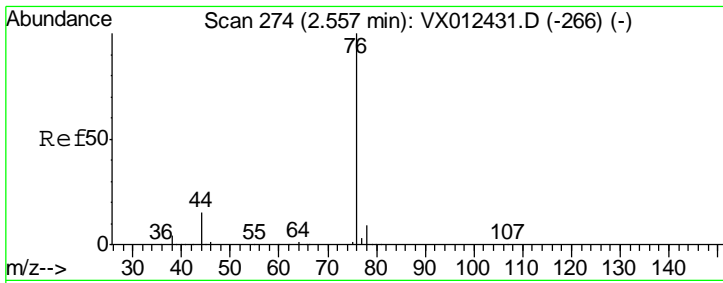
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#16
 Acetone
 Concen: 267.198 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.3	23.3	34.9



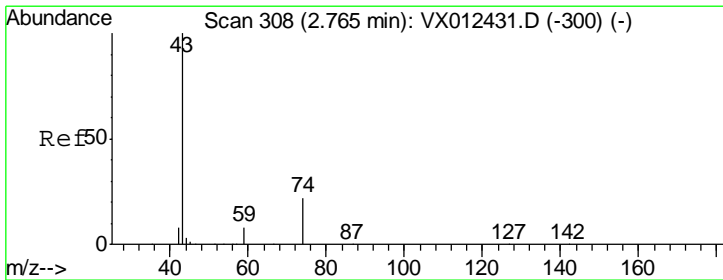
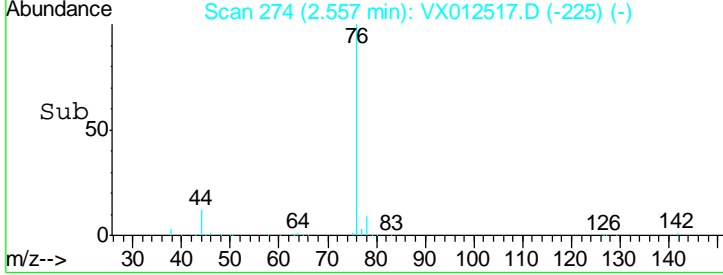
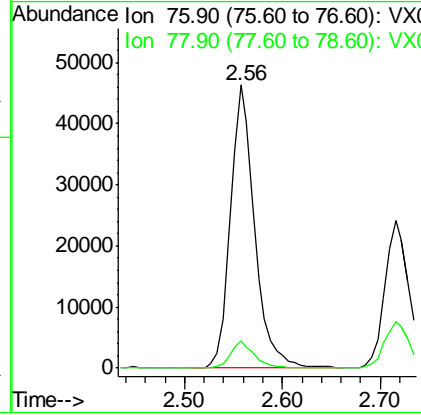
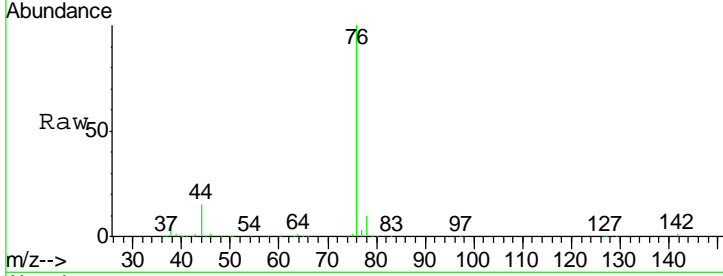


#17
 Carbon Disulfide
 Concen: 43.685 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.7	7.3	10.9

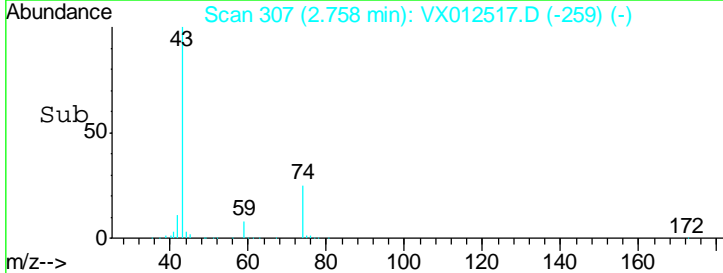
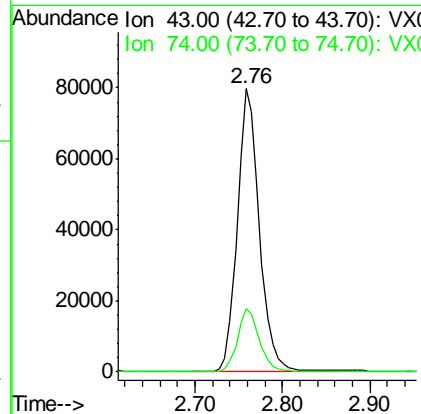
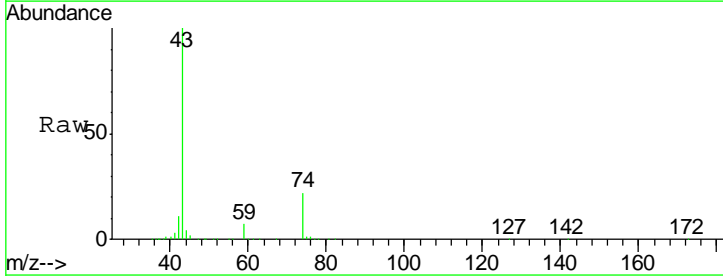
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

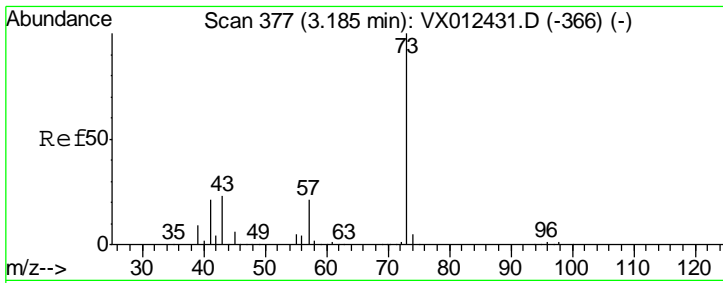
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#18
 Methyl Acetate
 Concen: 45.526 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.7	17.7	26.5



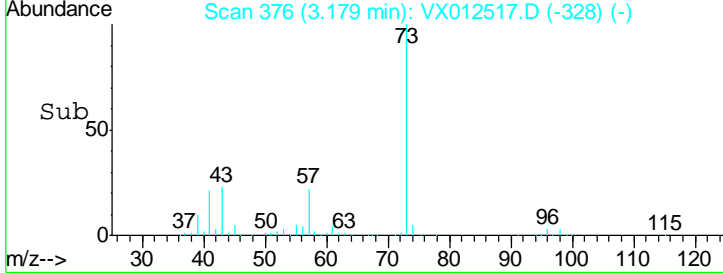
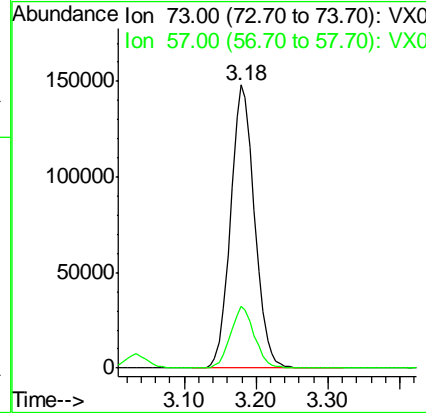
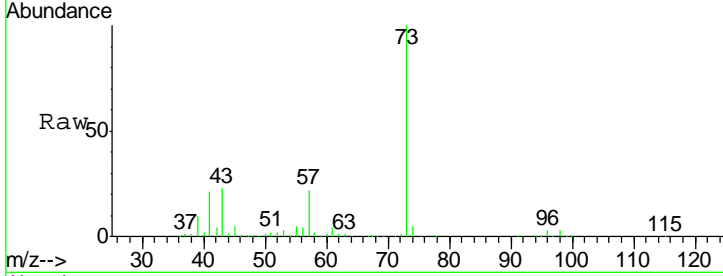


#19
 Methyl tert-butyl Ether
 Concen: 48.665 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.9	16.8	25.2

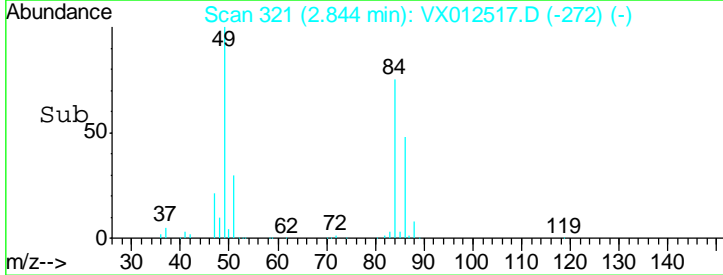
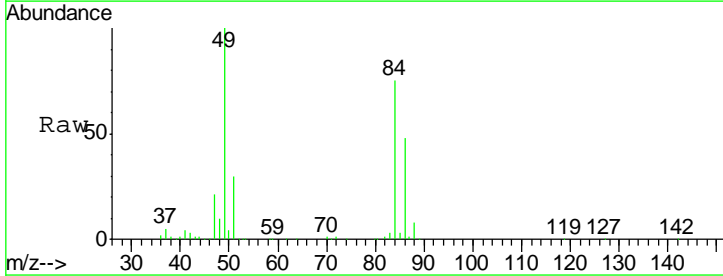
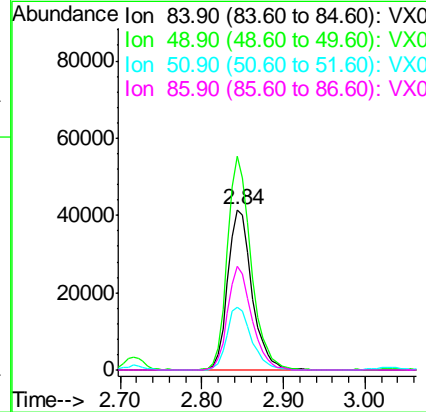
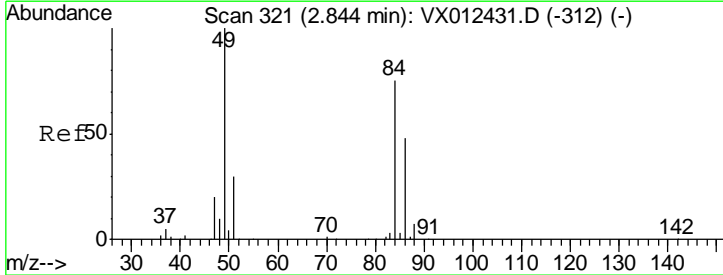
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

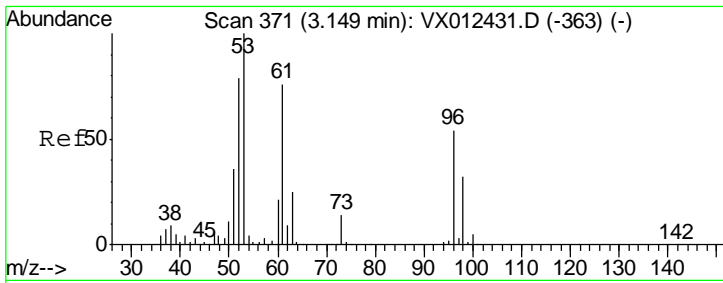
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#20
 Methylene Chloride
 Concen: 47.668 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

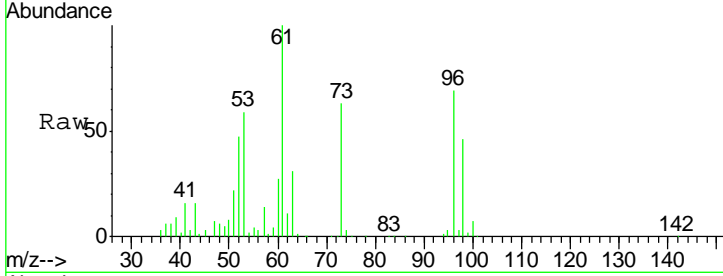
Tgt Ion	Resp	Lower	Upper
84	100		
49	133.0	106.8	160.2
51	39.4	32.3	48.5
86	64.2	51.3	76.9





#21
 trans-1,2-Dichloroethene
 Concen: 49.474 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

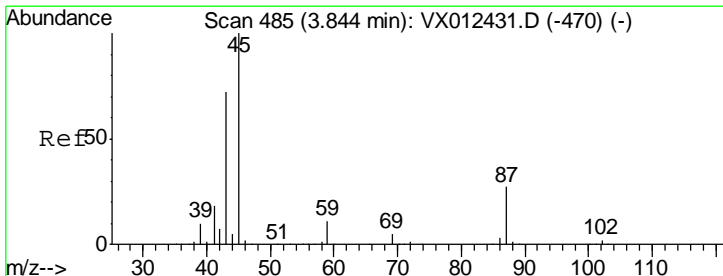
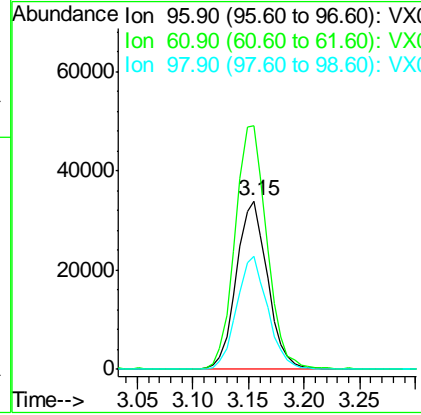
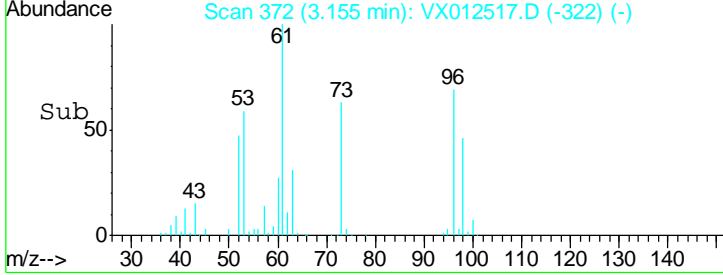
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050



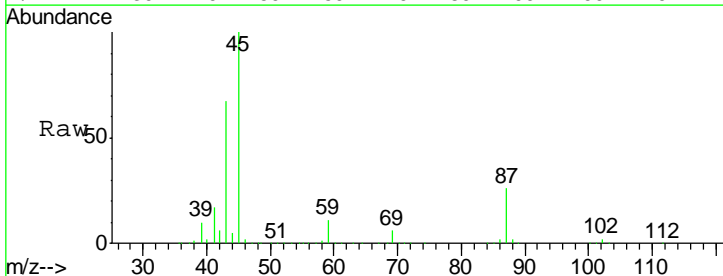
Tgt Ion: 96 Resp: 66384

Ion	Ratio	Lower	Upper
96	100		
61	144.3	112.0	168.0
98	66.8	47.8	71.8

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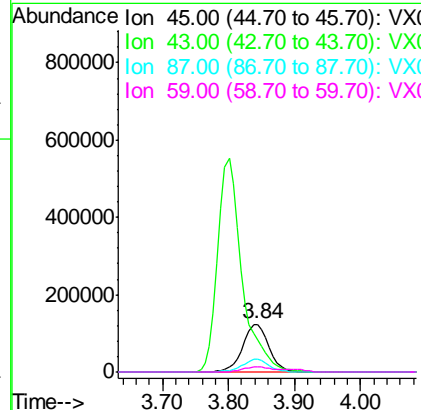
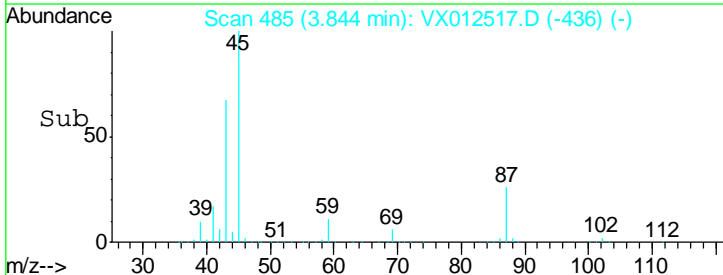


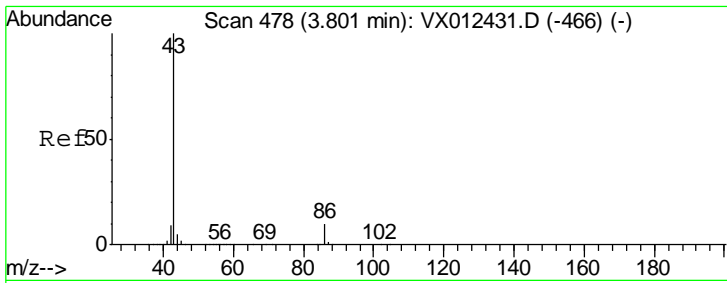
#22
 Diisopropyl ether
 Concen: 48.555 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30



Tgt Ion: 45 Resp: 342006

Ion	Ratio	Lower	Upper
45	100		
43	66.8	57.8	86.8
87	26.3	21.3	31.9
59	11.2	8.5	12.7





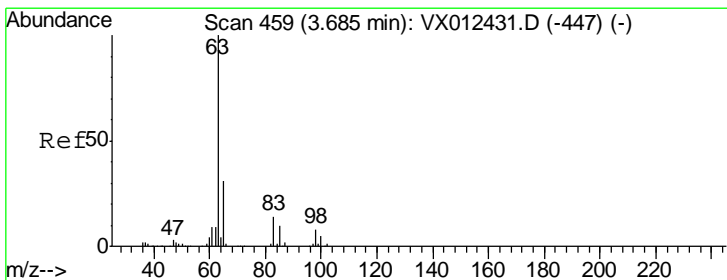
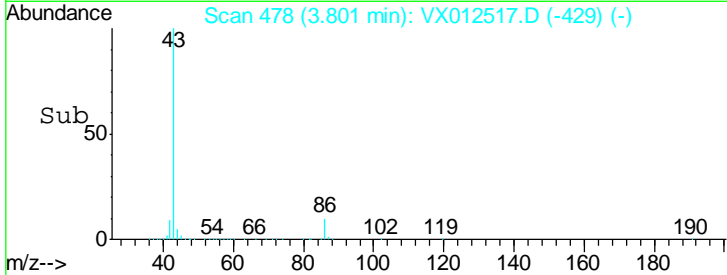
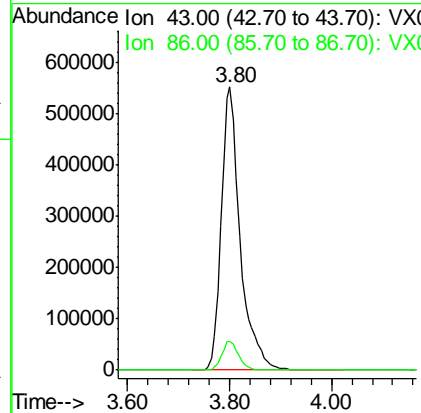
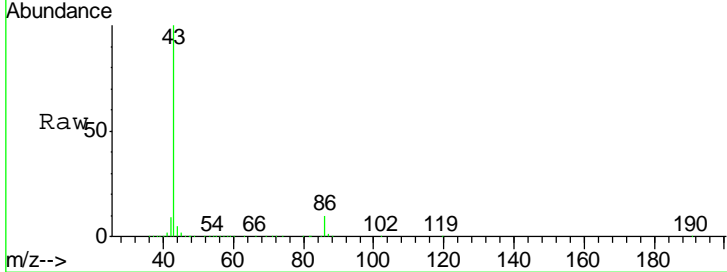
#23
 Vinyl Acetate
 Concen: 245.398 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion: 43 Resp: 1421865

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

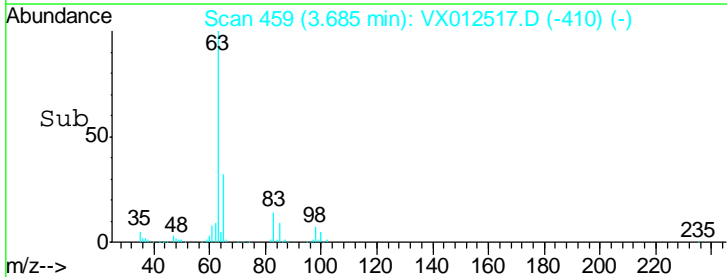
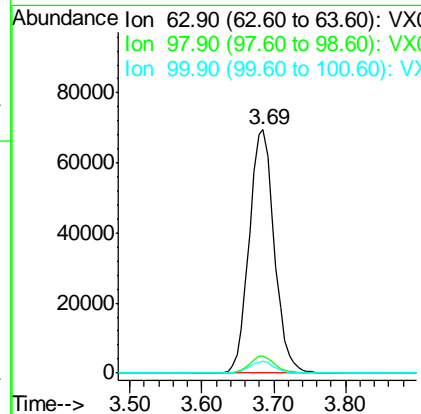
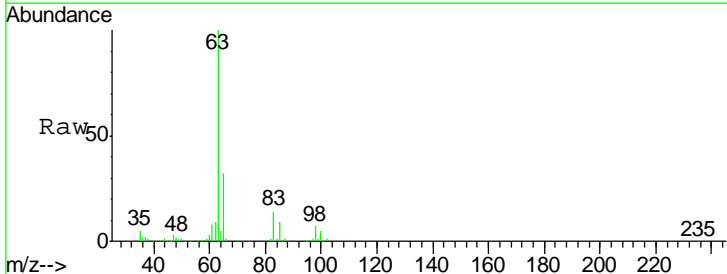
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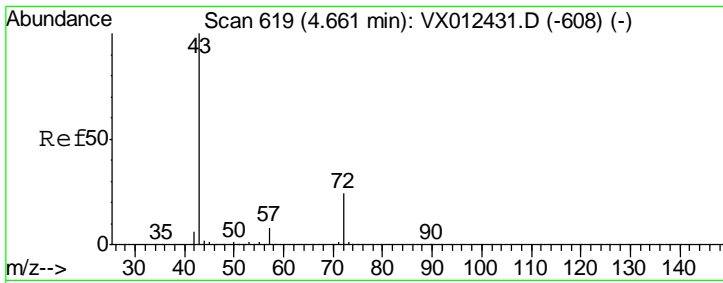


#24
 1,1-Dichloroethane
 Concen: 49.755 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion: 63 Resp: 167678

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.9	11.7
100	4.8	2.3	6.9



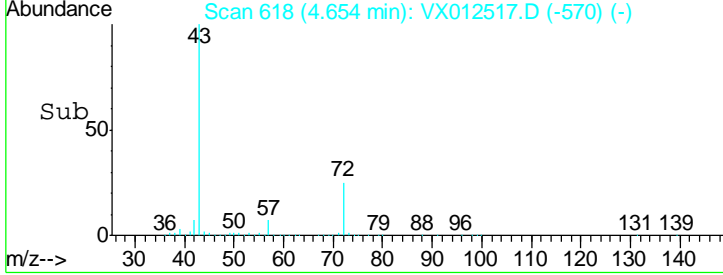
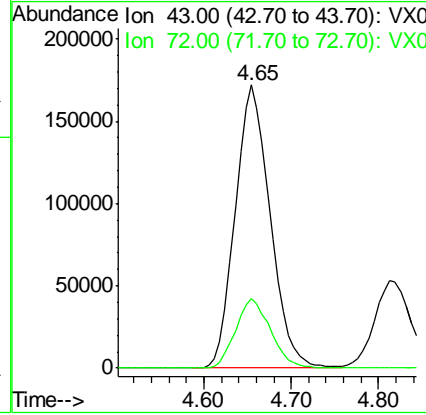
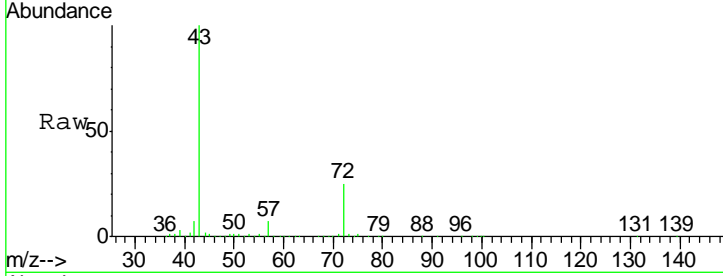


#25
 2-Butanone
 Concen: 232.314 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.2	28.8

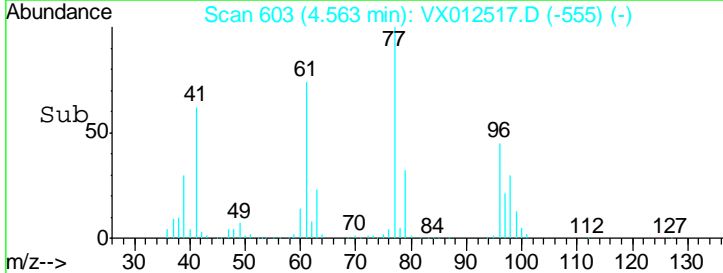
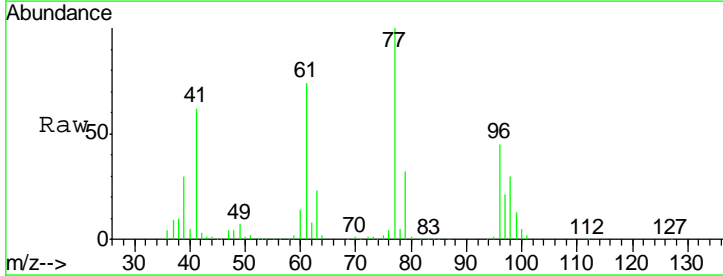
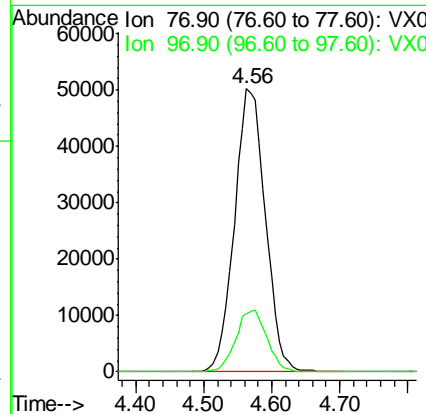
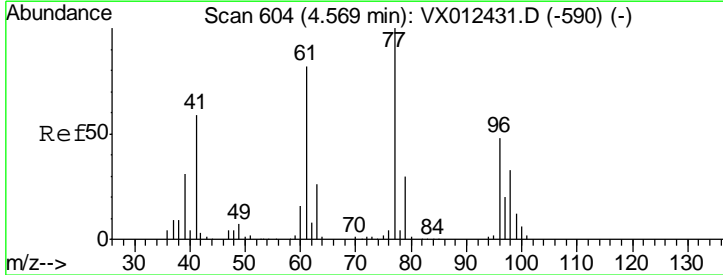
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

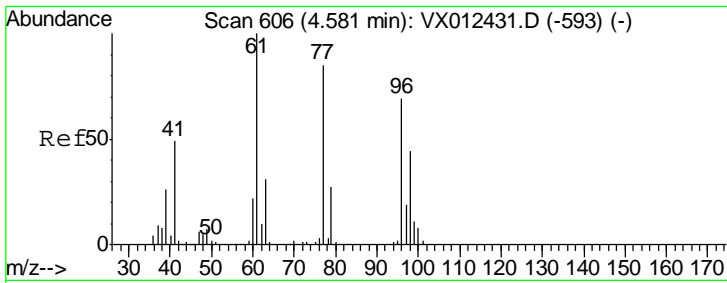
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#26
 2,2-Dichloropropane
 Concen: 47.797 ug/l
 RT: 4.56 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.5	31.6



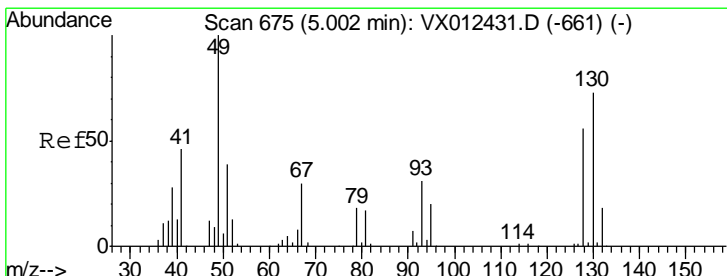
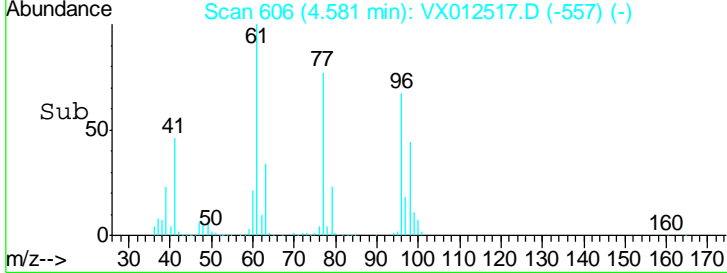
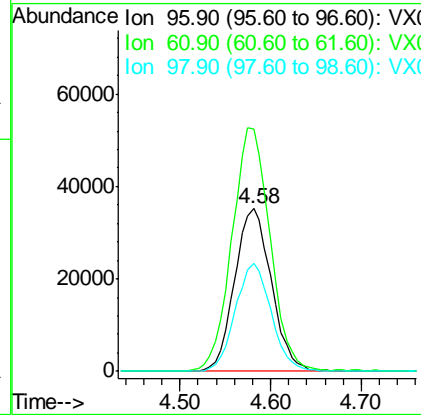
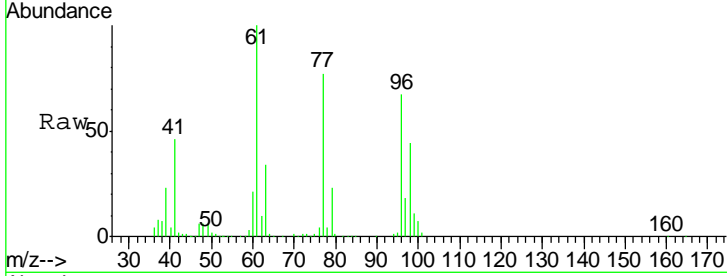


#27
 cis-1,2-Dichloroethene
 Concen: 49.292 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

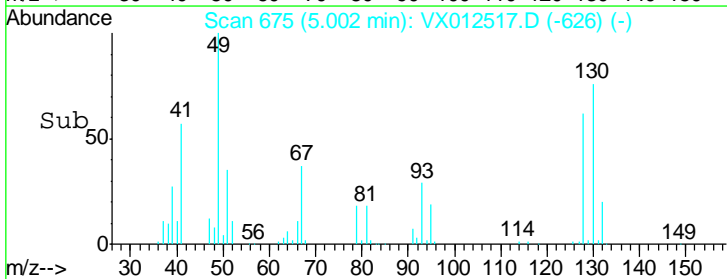
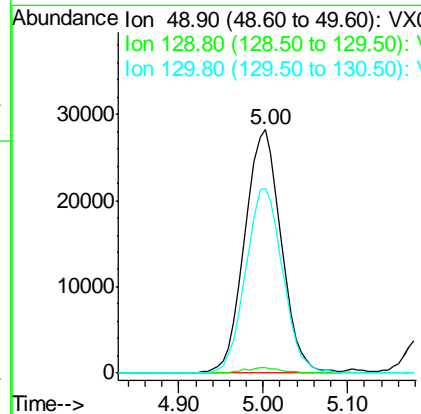
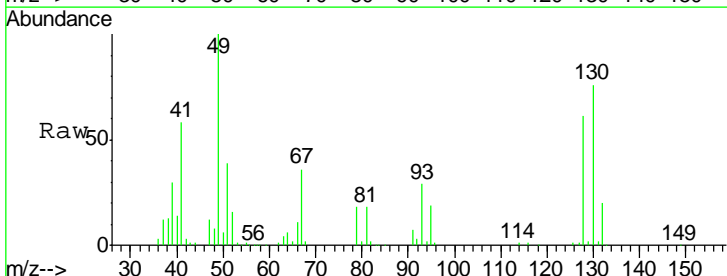
Tgt Ion	Resp	Lower	Upper
96	98802		
96	100		
61	156.2	0.0	319.4
98	65.0	0.0	130.6

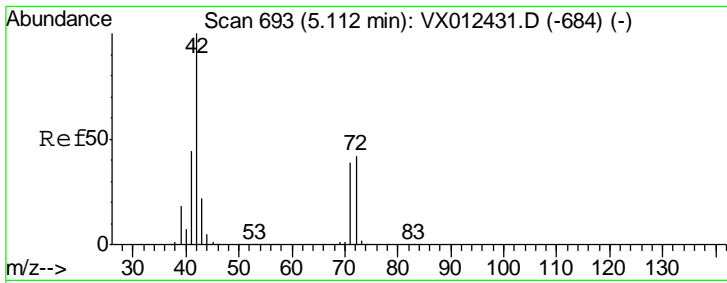
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#28
 Bromochloromethane
 Concen: 47.831 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
49	83103		
49	100		
129	2.4	0.0	3.8
130	76.9	58.2	87.4



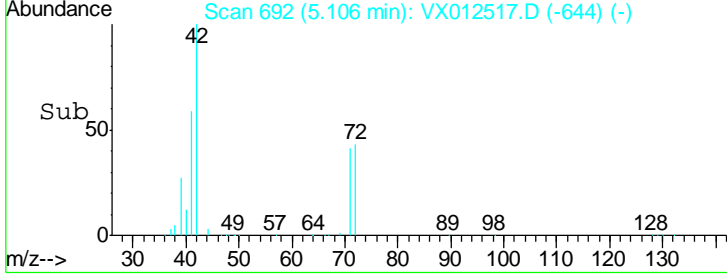
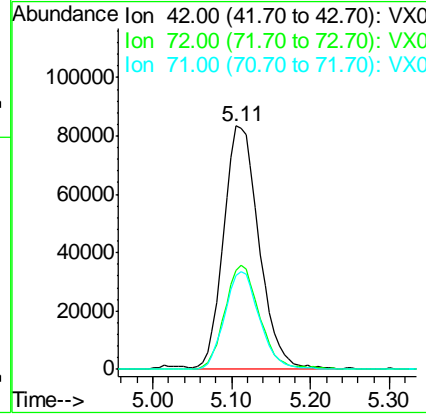
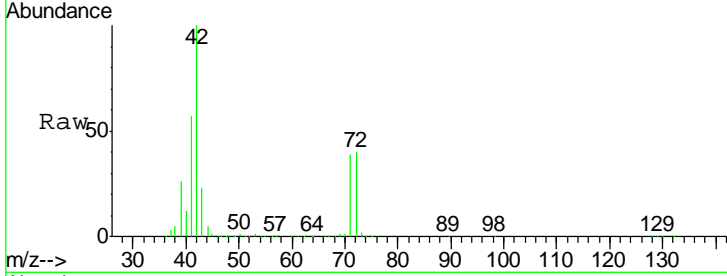


#29
 Tetrahydrofuran
 Concen: 229.037 ug/l
 RT: 5.11 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	39.8	31.5	47.3

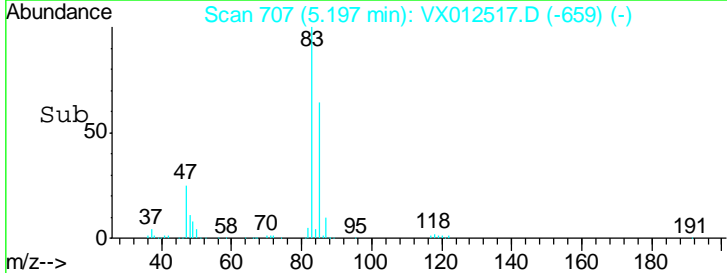
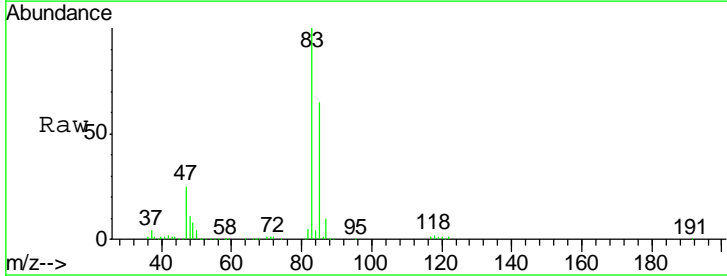
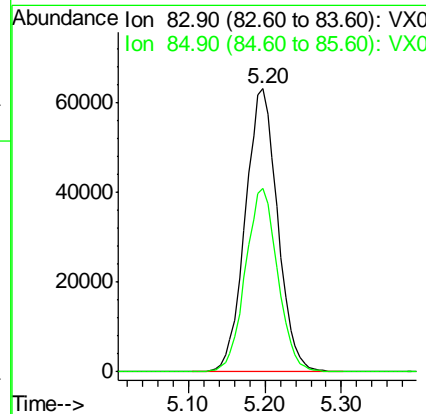
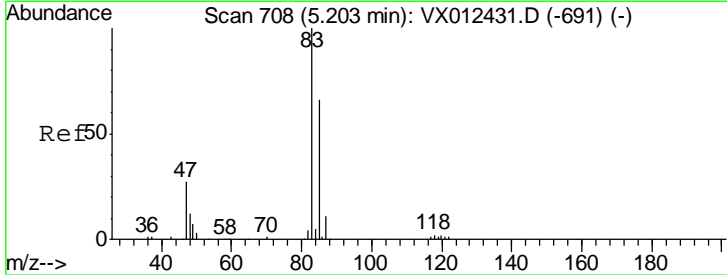
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

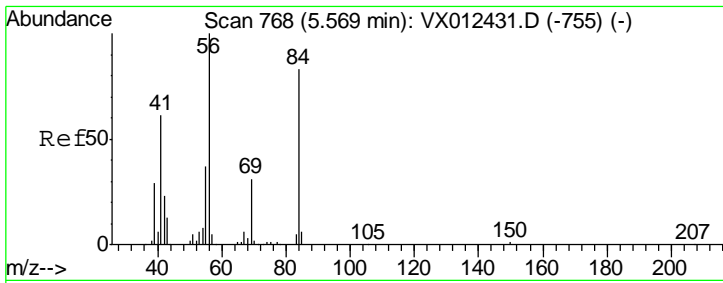
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#30
 Chloroform
 Concen: 47.846 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.9	53.0	79.4



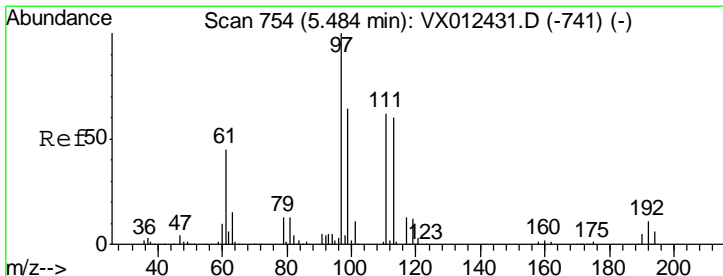
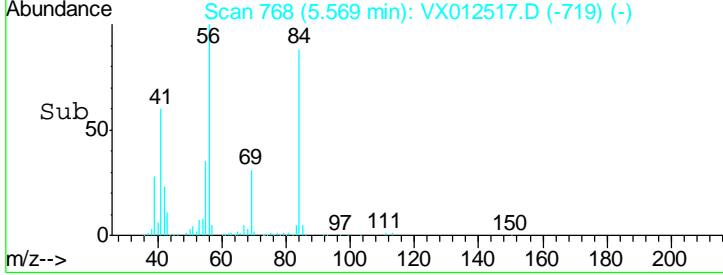
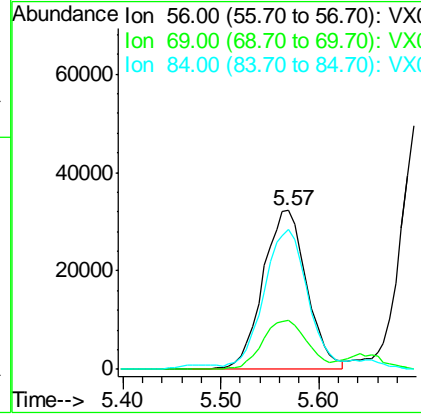
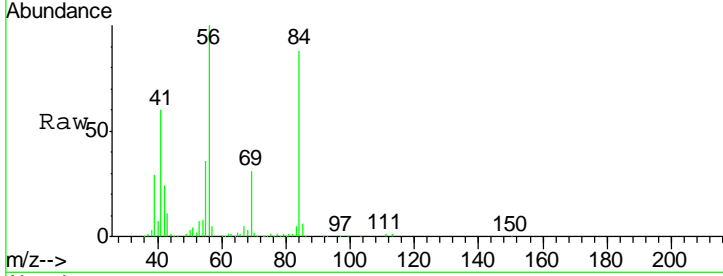


#31
 Cyclohexane
 Concen: 49.444 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.2	25.0	37.6
84	85.5	66.4	99.6

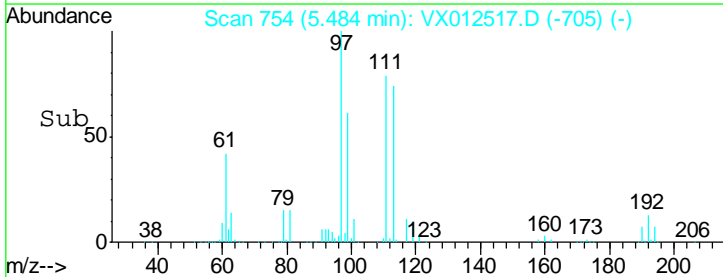
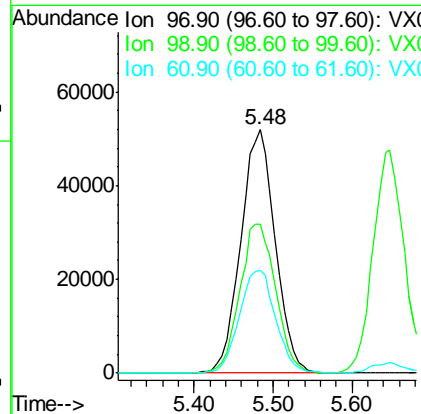
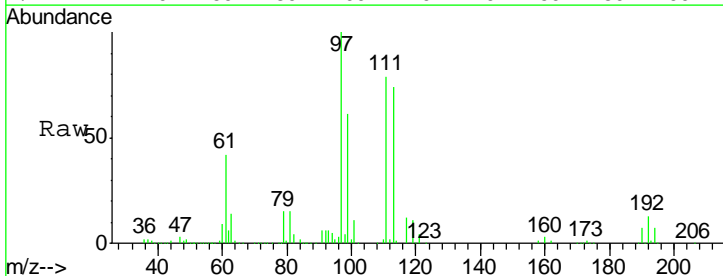
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

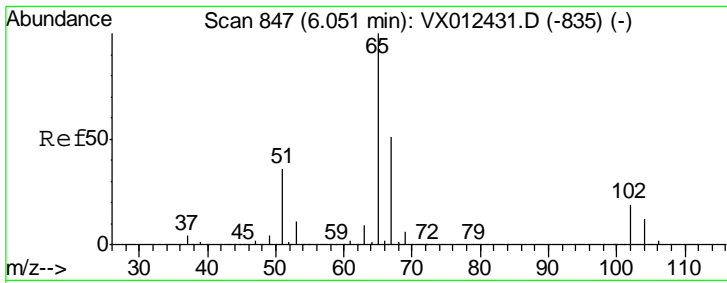
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#32
 1,1,1-Trichloroethane
 Concen: 48.792 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	44.5	36.1	54.1



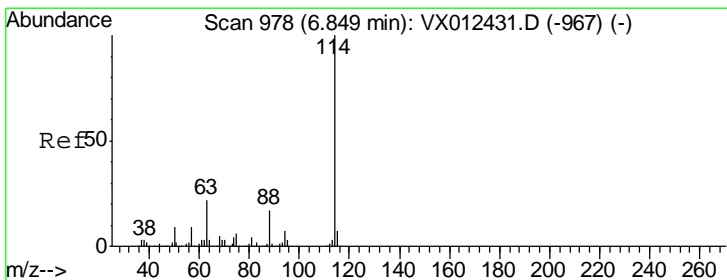
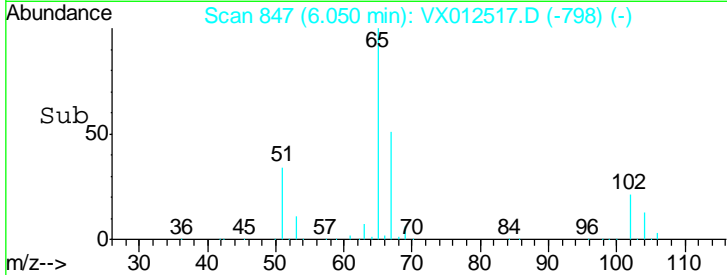
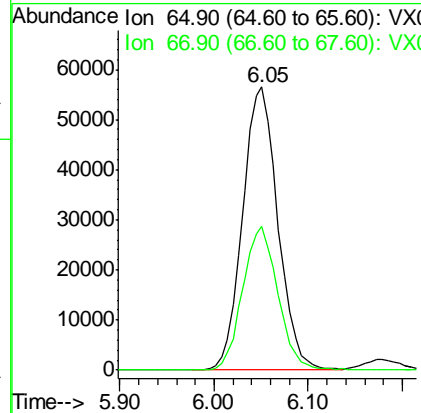
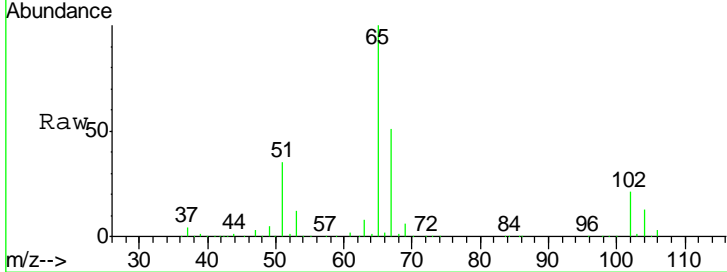


#33
 1,2-Dichloroethane-d4
 Concen: 50.245 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
65	148000		
67	50.7	0.0	101.2

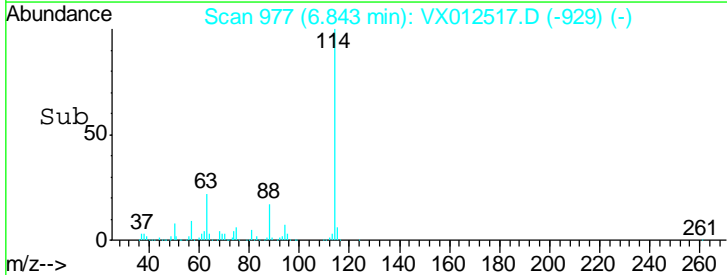
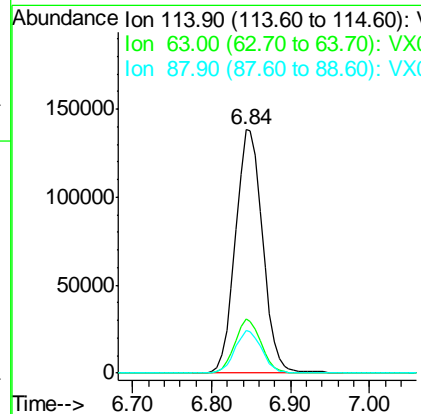
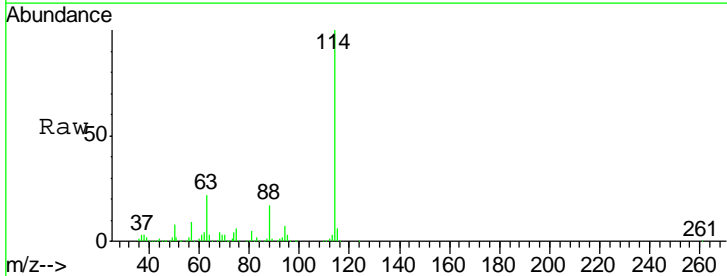
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

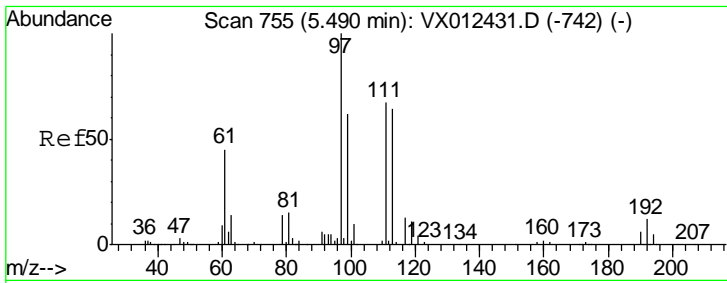
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
114	333037		
63	22.5	0.0	43.2
88	17.3	0.0	33.2





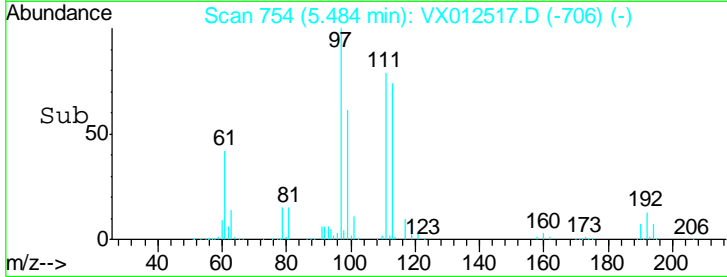
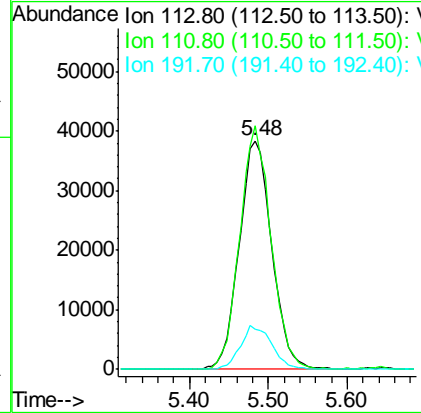
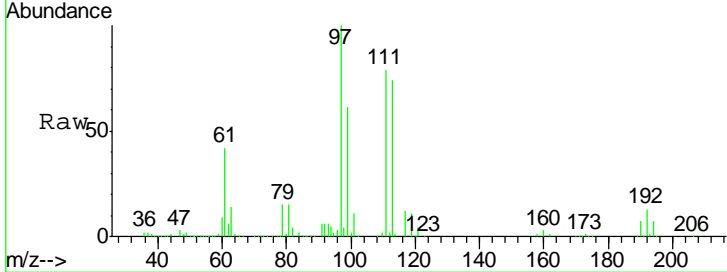
#35
 Dibromofluoromethane
 Concen: 54.730 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
113	110321		
113	100		
111	102.0	83.4	125.2
192	18.6	14.4	21.6

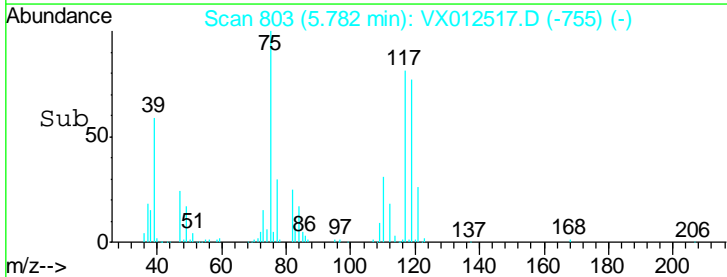
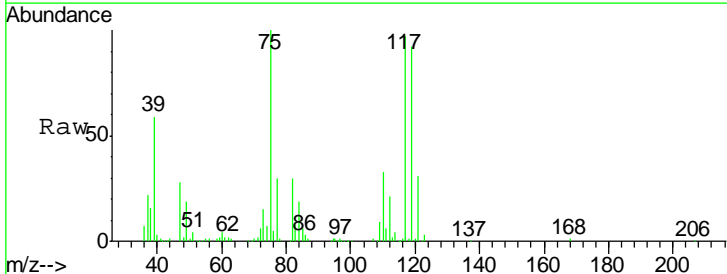
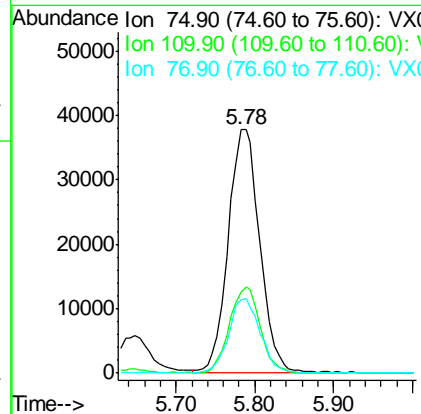
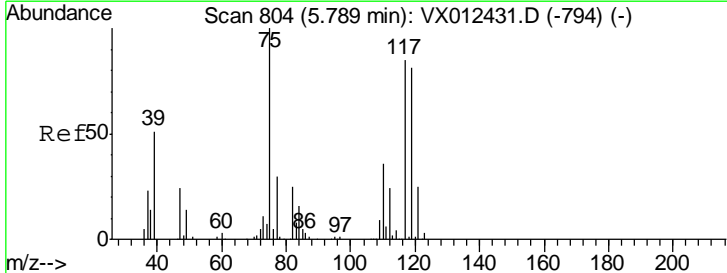
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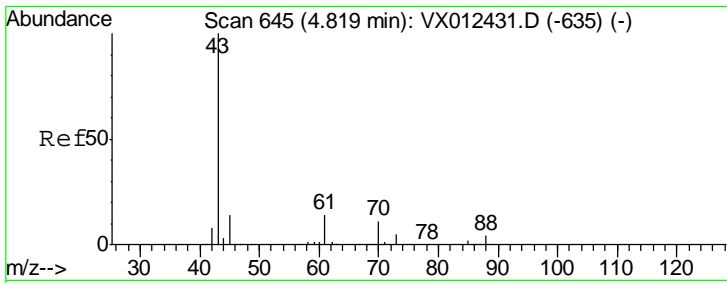
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#36
 1,1-Dichloropropene
 Concen: 51.877 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
75	105002		
75	100		
110	34.6	16.7	50.0
77	30.3	24.2	36.2





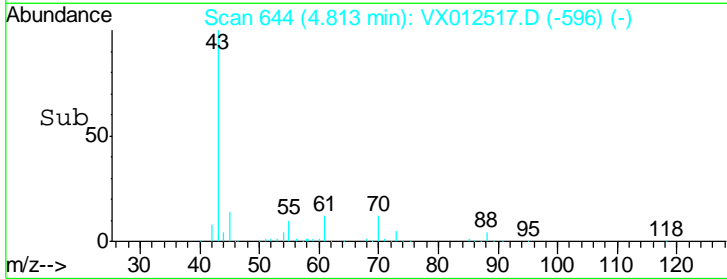
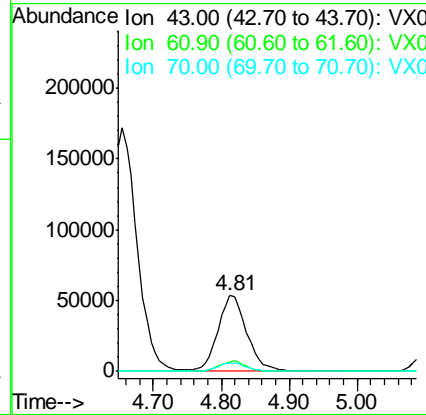
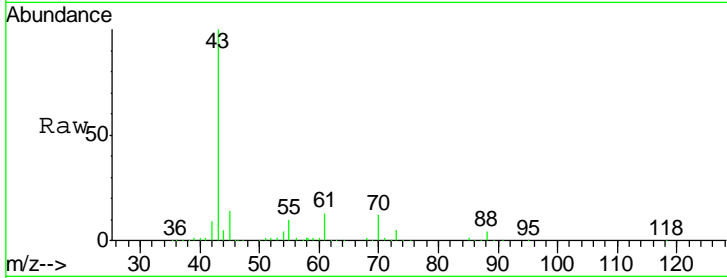
#37
 Ethyl Acetate
 Concen: 50.369 ug/l
 RT: 4.81 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	156493		
61	12.8	10.2	15.4
70	11.1	8.7	13.1

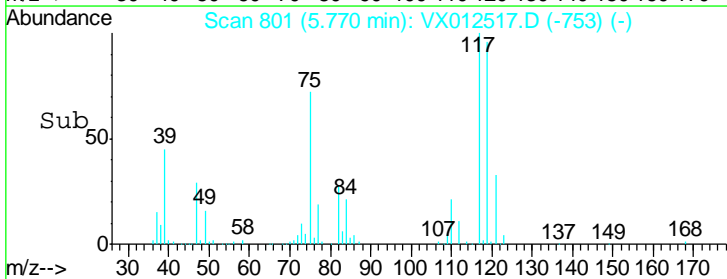
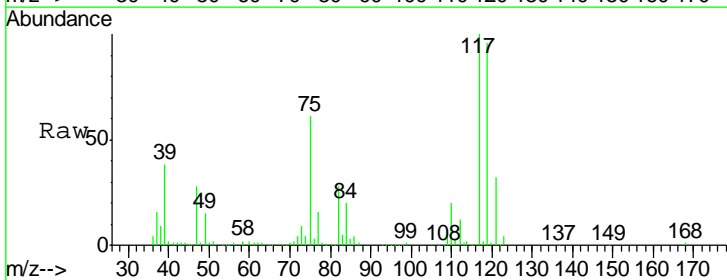
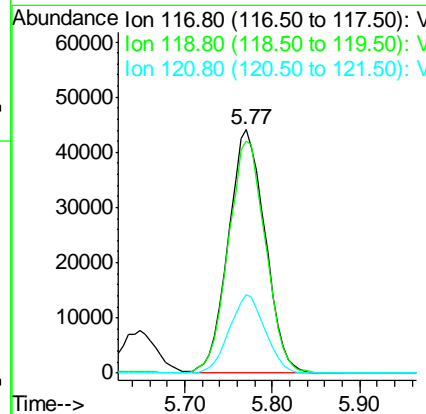
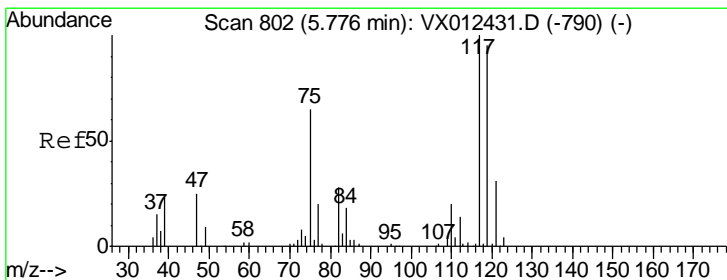
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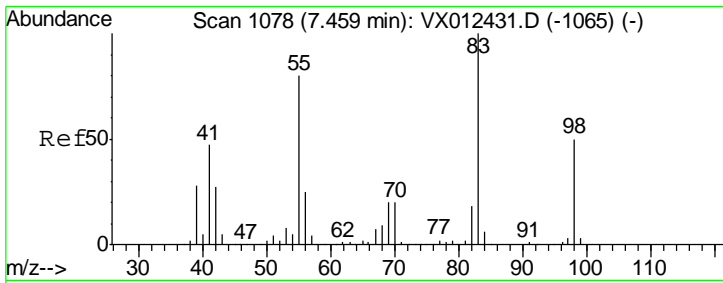
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#38
 Carbon Tetrachloride
 Concen: 51.130 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
117	128712		
119	95.7	75.7	113.5
121	32.5	24.2	36.4



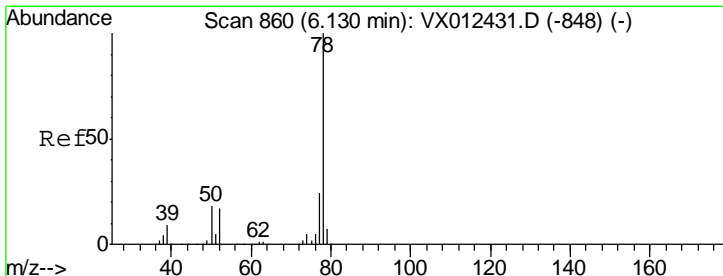
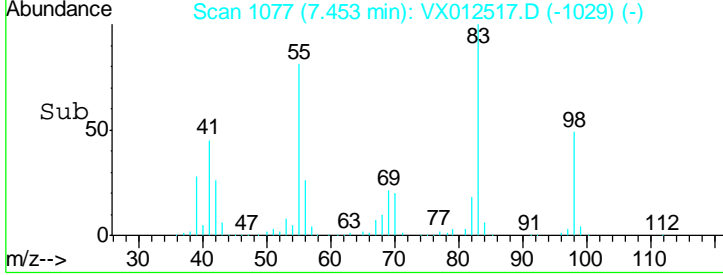
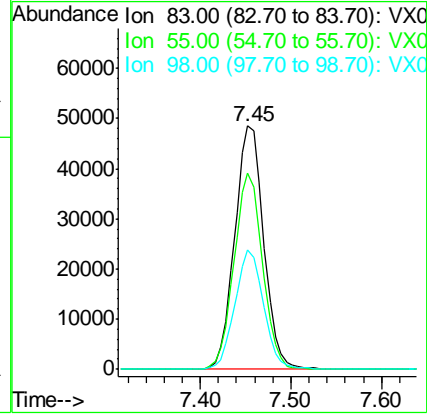
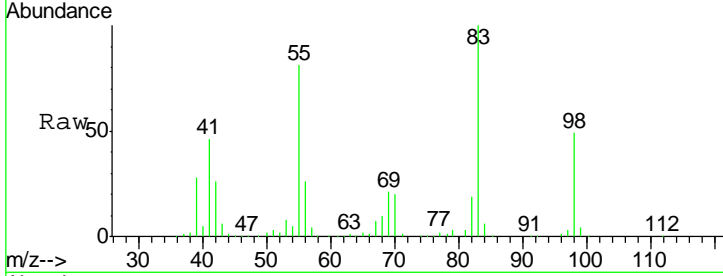


#39
 Methylcyclohexane
 Concen: 54.798 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
83	107822		
83	100		
55	80.8	64.4	96.6
98	49.0	40.1	60.1

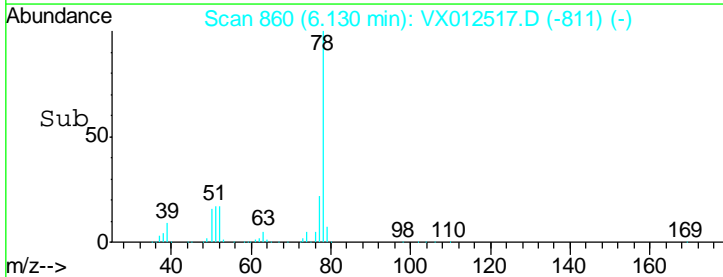
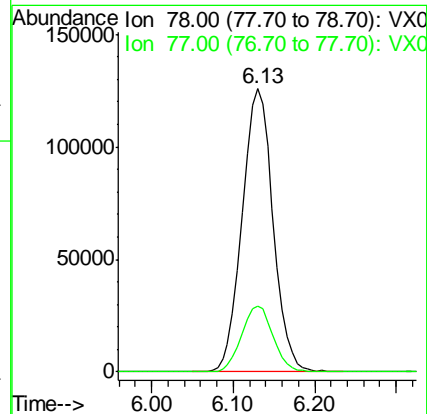
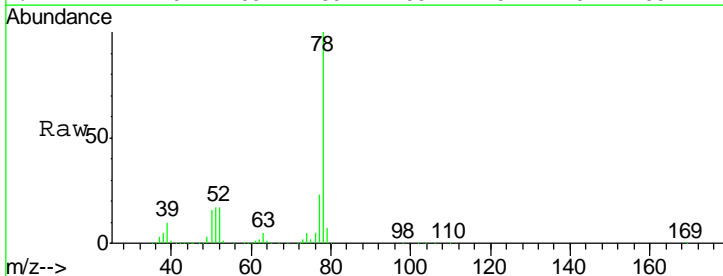
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

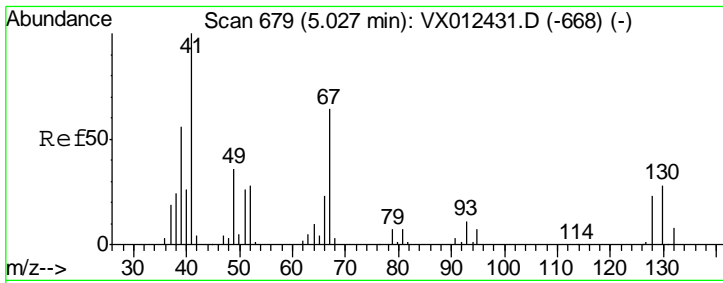
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#40
 Benzene
 Concen: 51.449 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
78	331143		
78	100		
77	23.2	19.2	28.8



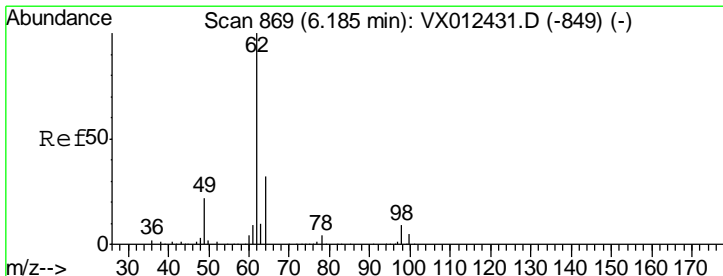
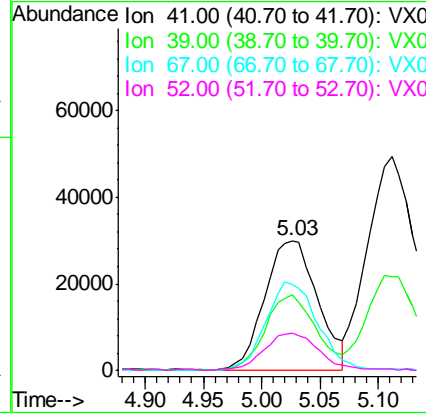
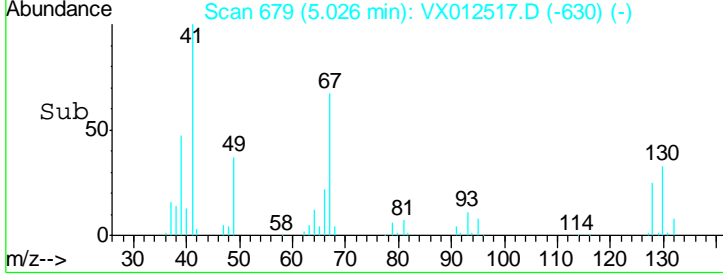
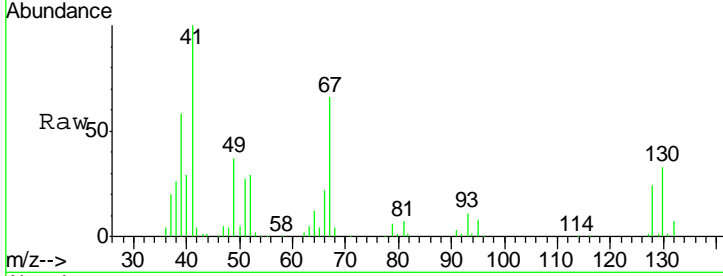


#41
 Methacrylonitrile
 Concen: 47.391 ug/l
 RT: 5.03 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.5	46.0	69.0
67	66.2	52.2	78.2
52	28.6	22.7	34.1

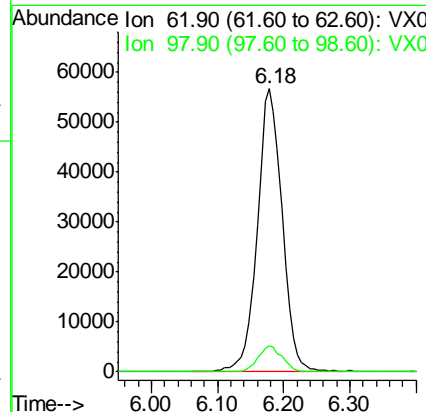
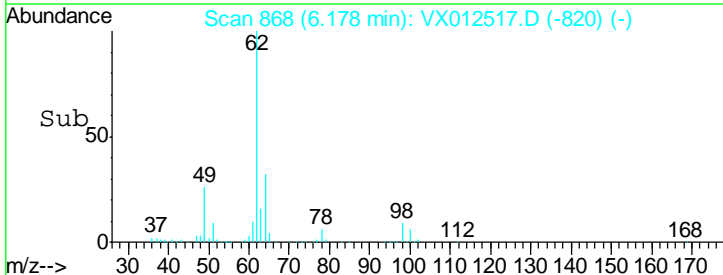
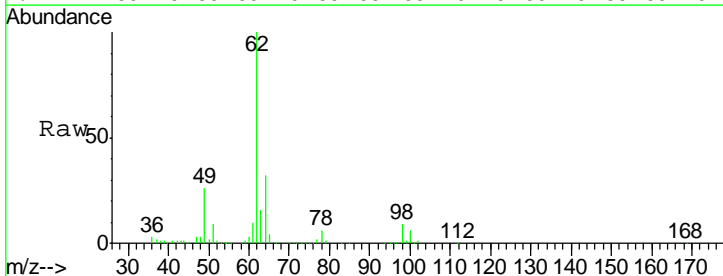
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

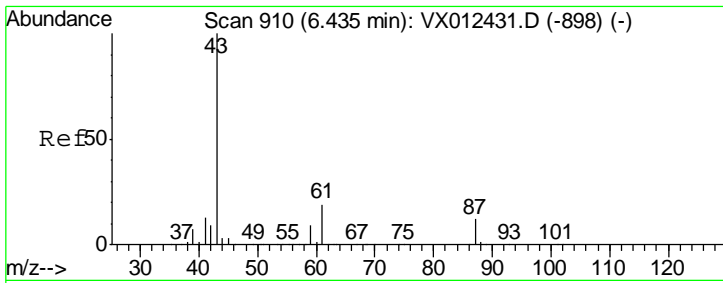
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#42
 1,2-Dichloroethane
 Concen: 49.607 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.1	0.0	17.8



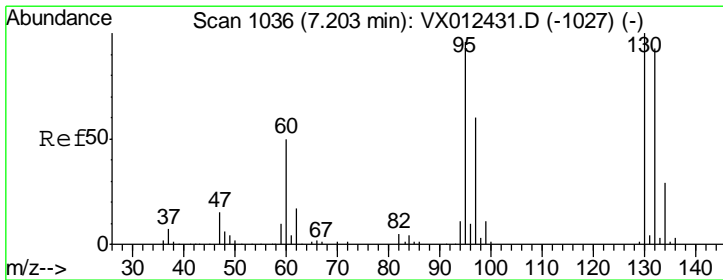
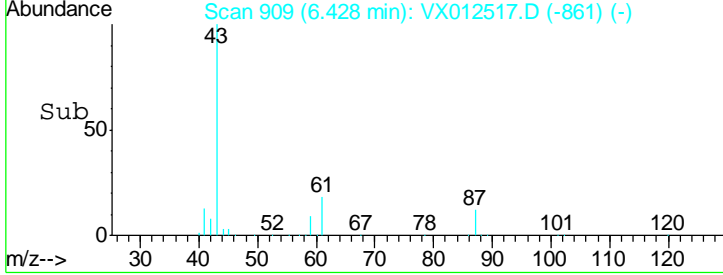
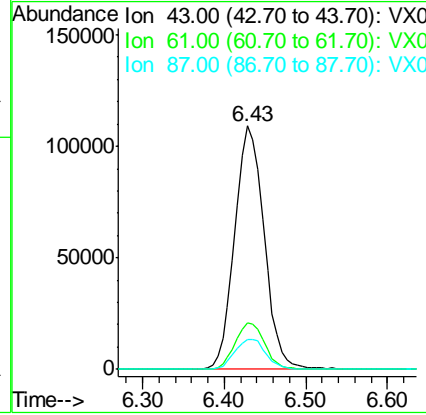
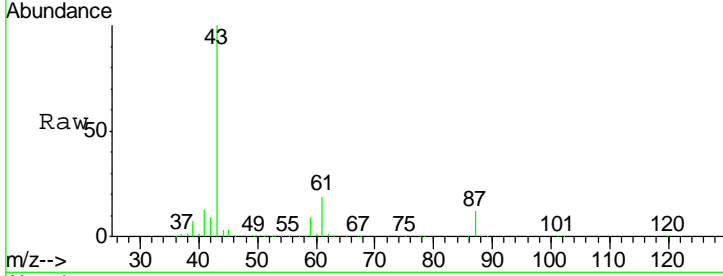


#43
 Isopropyl Acetate
 Concen: 48.613 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
43	271082		
61	19.4	15.4	23.0
87	13.0	9.8	14.8

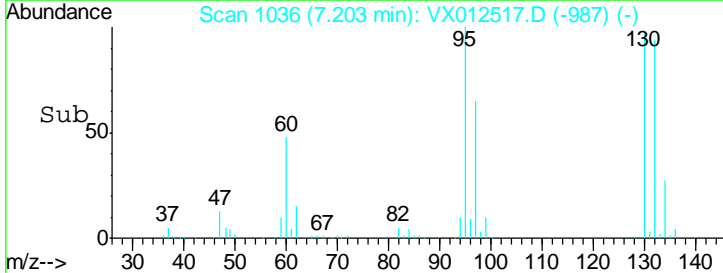
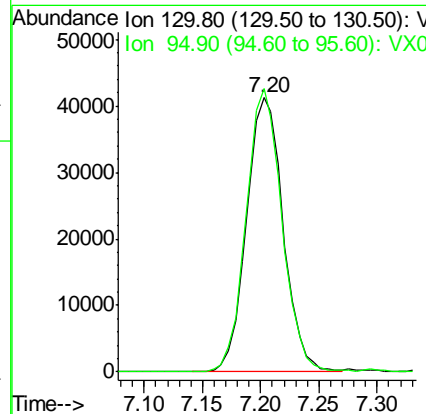
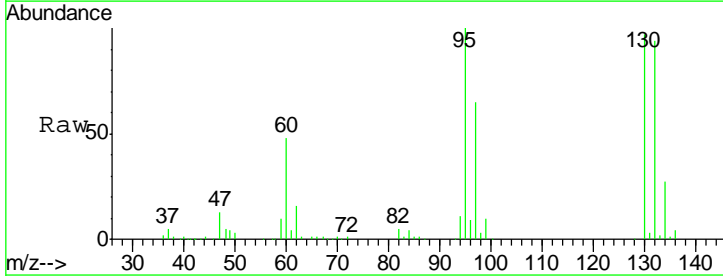
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

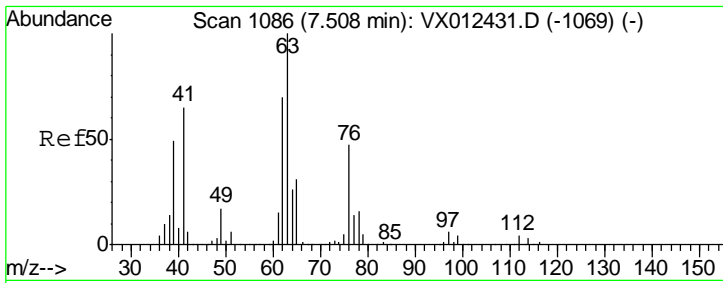
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#44
 Trichloroethene
 Concen: 53.464 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
130	90520		
95	103.1	0.0	193.0





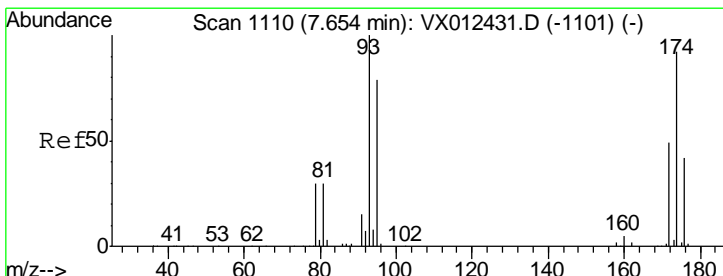
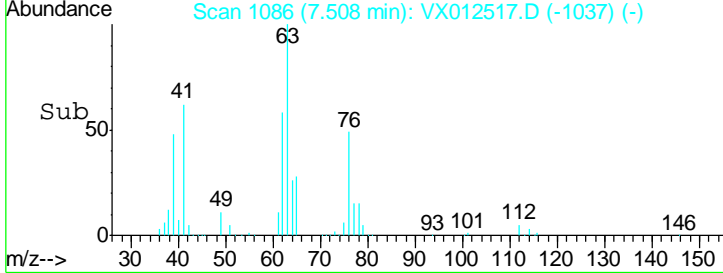
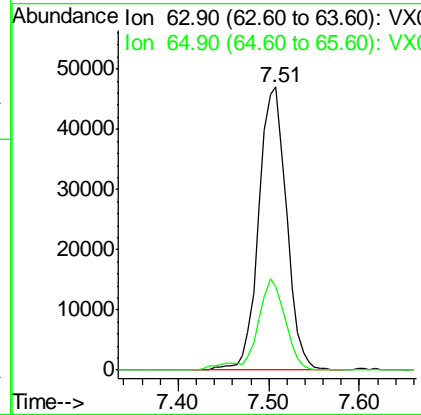
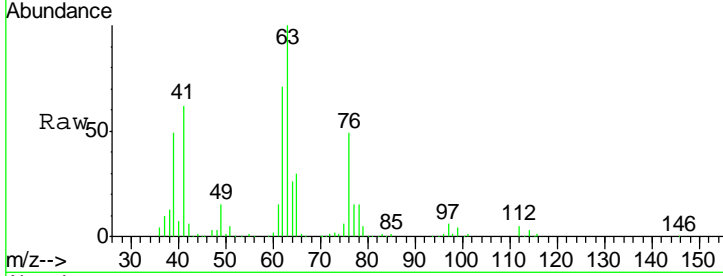
#45
 1,2-Dichloropropane
 Concen: 50.626 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion: 63 Resp: 100109

Ion	Ratio	Lower	Upper
63	100		
65	29.3	25.0	37.6

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

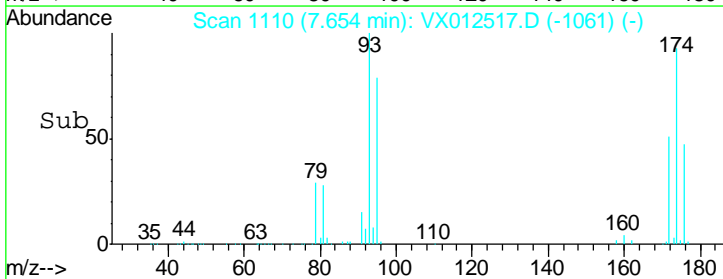
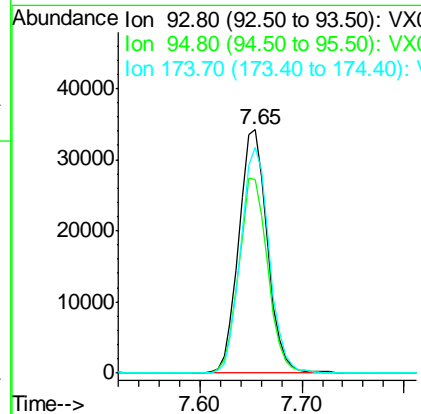
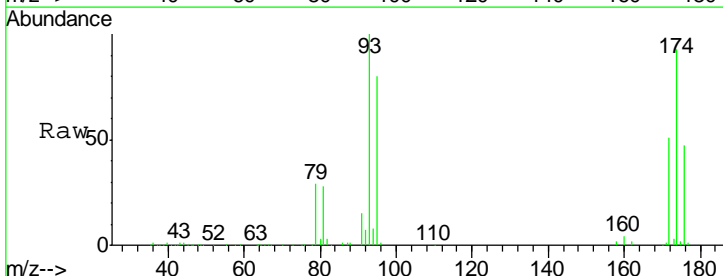
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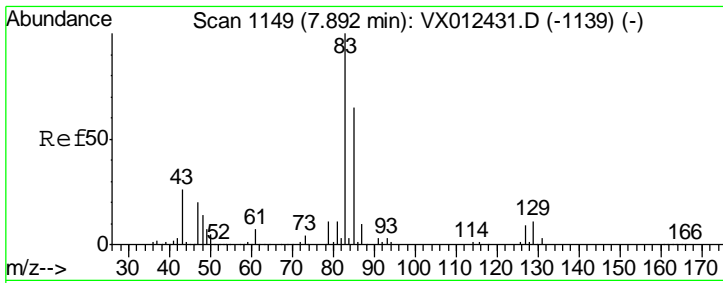


#46
 Dibromomethane
 Concen: 51.715 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion: 93 Resp: 66176

Ion	Ratio	Lower	Upper
93	100		
95	80.8	66.6	100.0
174	92.7	77.4	116.0





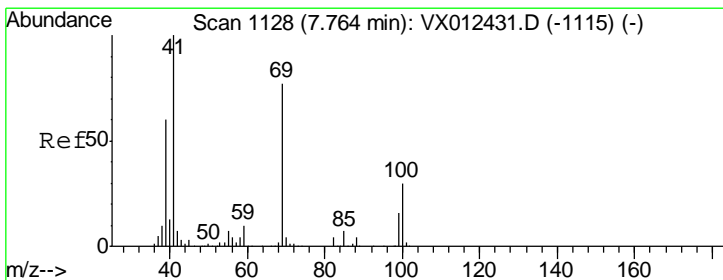
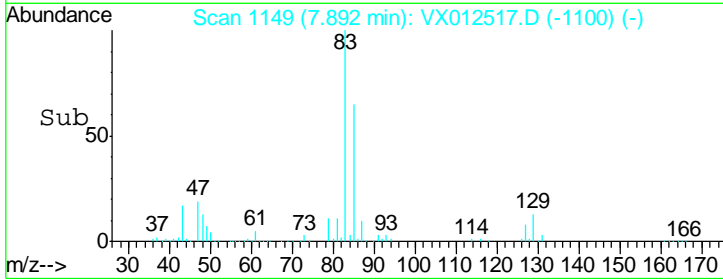
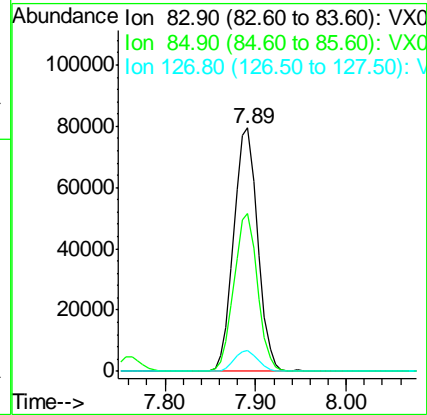
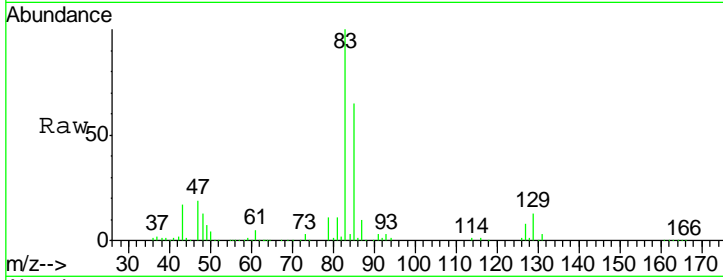
#47
 Bromodichloromethane
 Concen: 51.426 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	146523		
85	64.6	51.8	77.6
127	8.4	7.3	10.9

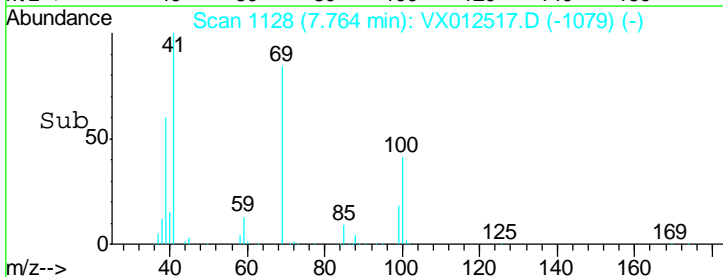
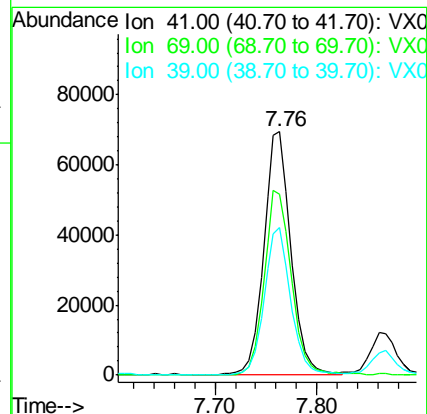
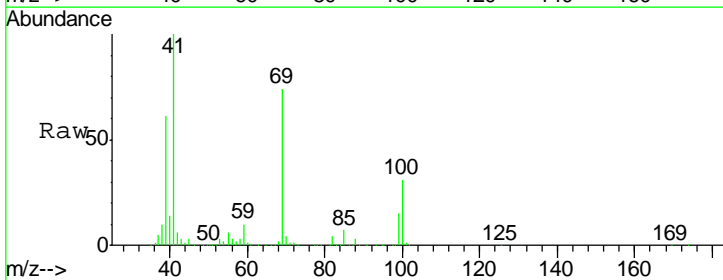
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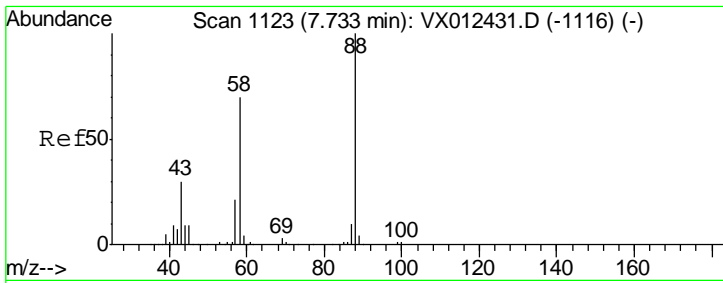
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#48
 Methyl methacrylate
 Concen: 48.637 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
41	127847		
69	76.9	59.9	89.9
39	59.3	47.8	71.6





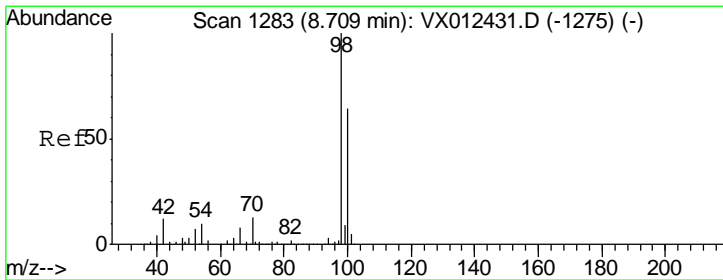
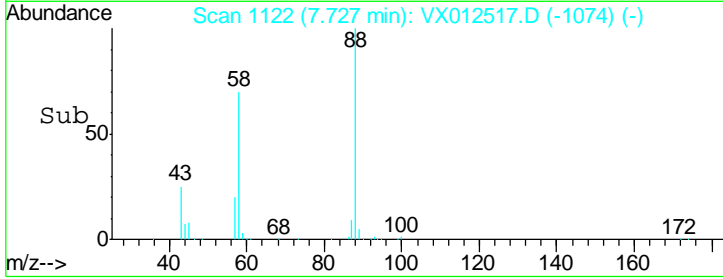
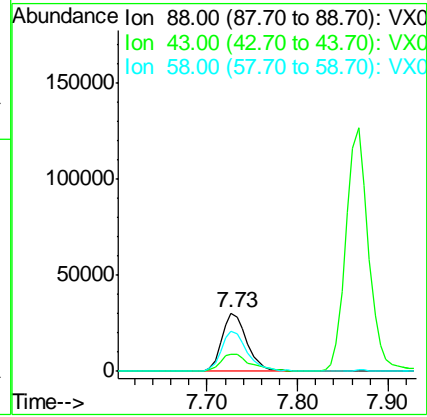
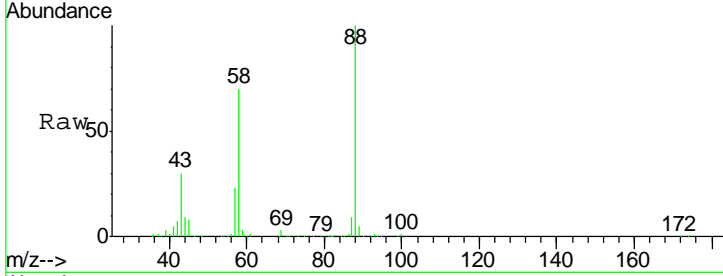
#49
 1,4-Dioxane
 Concen: 932.397 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.8	29.4	44.0
58	71.1	57.5	86.3

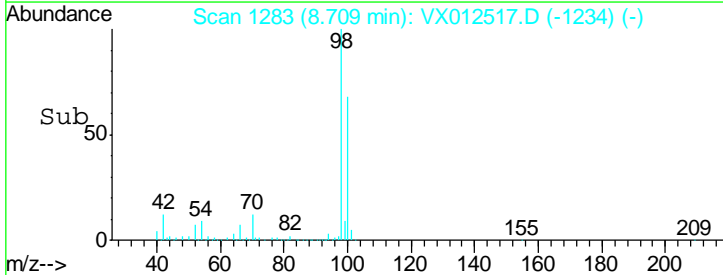
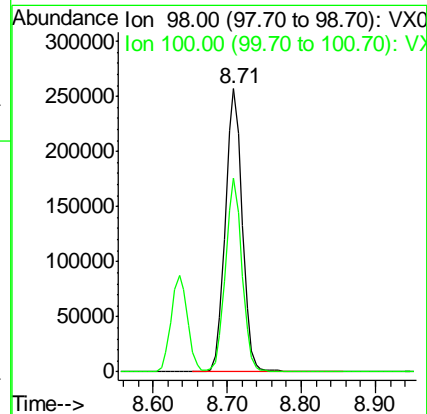
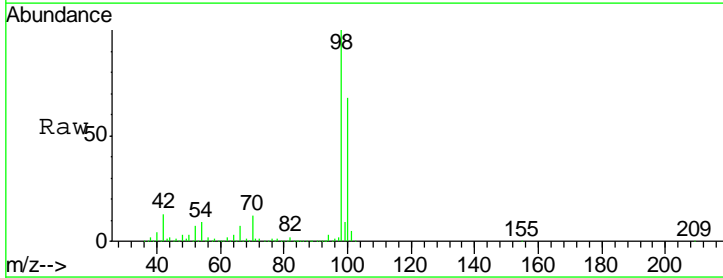
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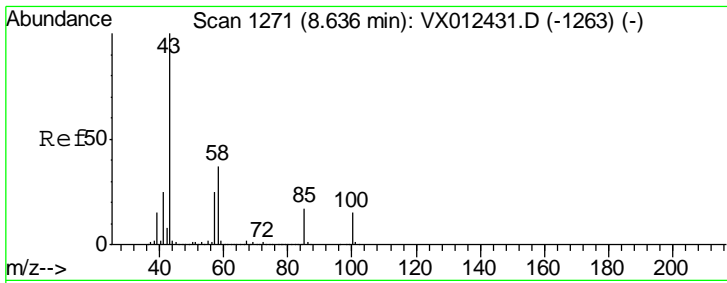
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 9/20/2019 11:43:37 AM



#50
 Toluene-d8
 Concen: 54.270 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2



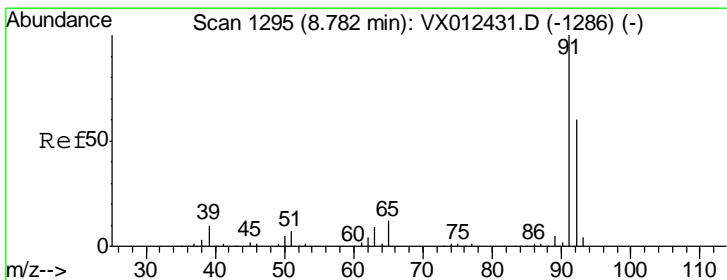
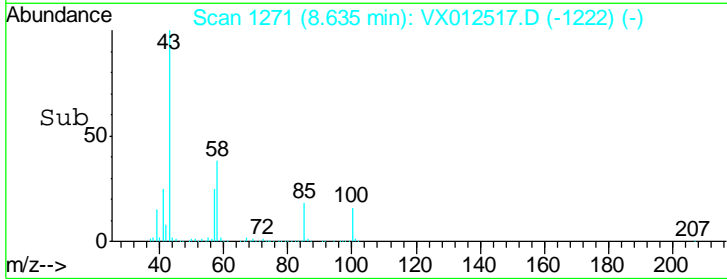
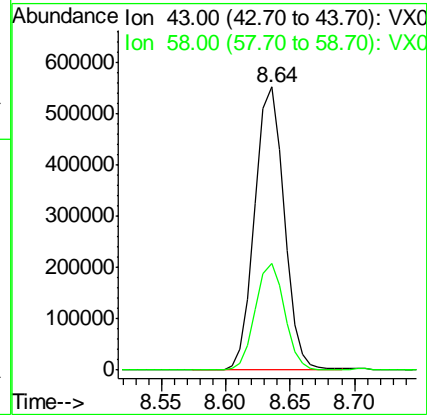
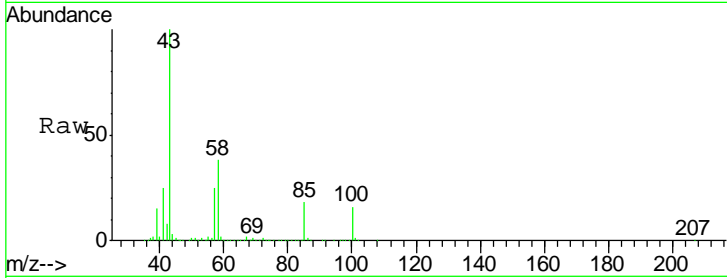


#51
 4-Methyl-2-Pentanone
 Concen: 237.488 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
43	100		
58	37.6	29.8	44.6

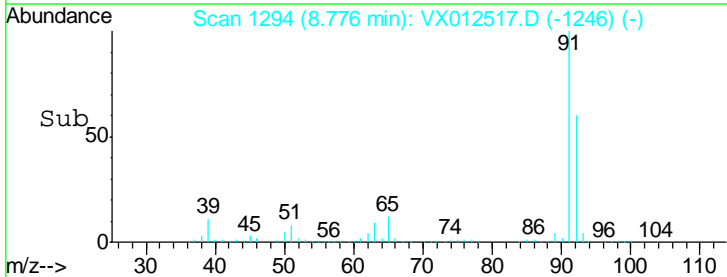
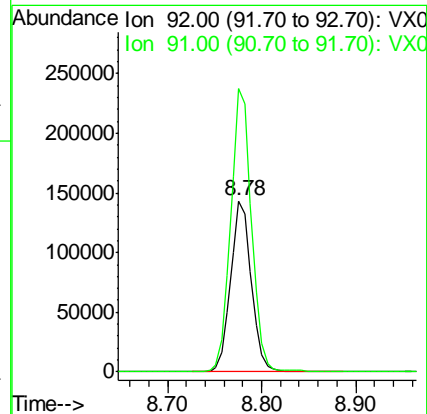
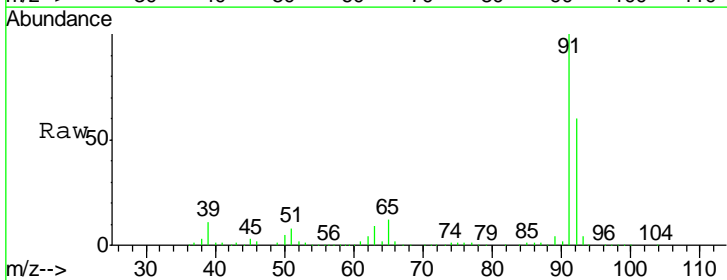
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

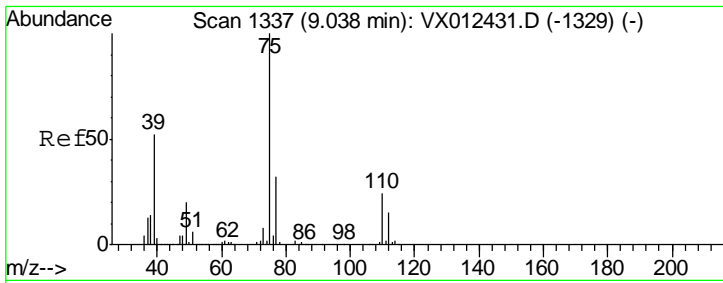
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#52
 Toluene
 Concen: 52.492 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
92	100		
91	166.6	135.4	203.0



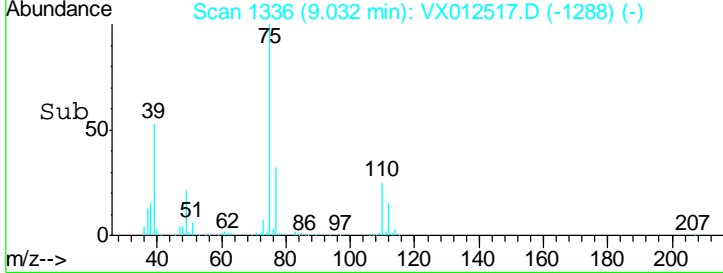
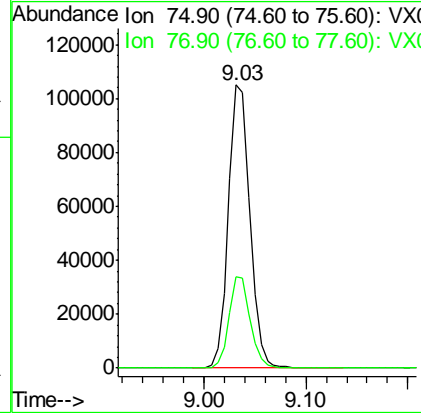
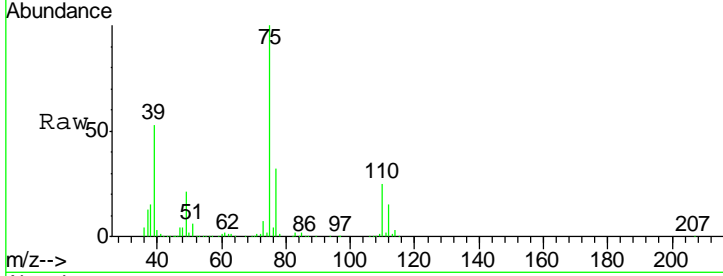


#53
 t-1,3-Dichloropropene
 Concen: 51.920 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
75	153773		
75	100		
77	32.4	25.2	37.8

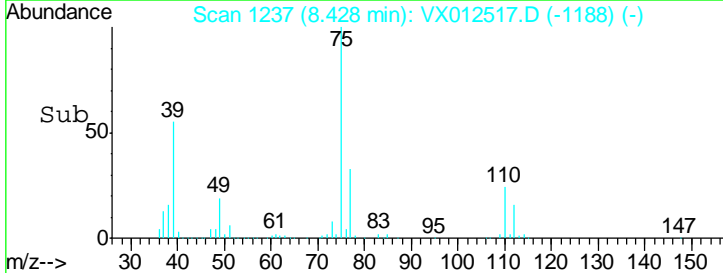
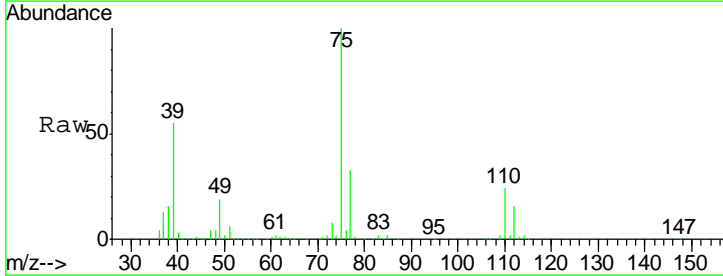
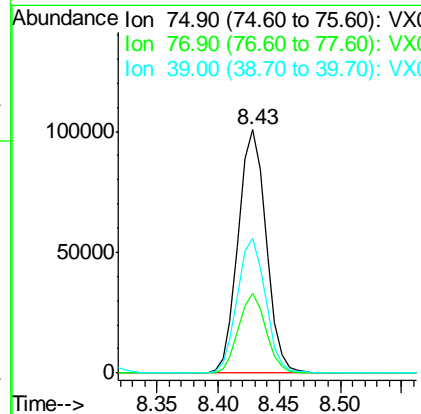
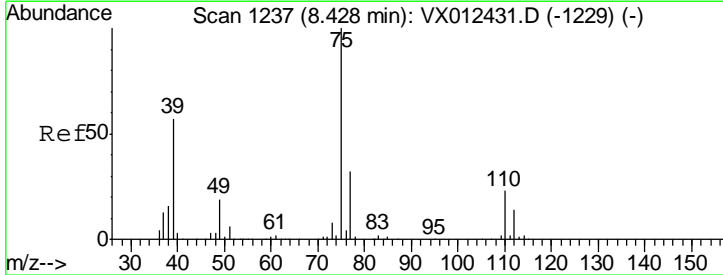
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

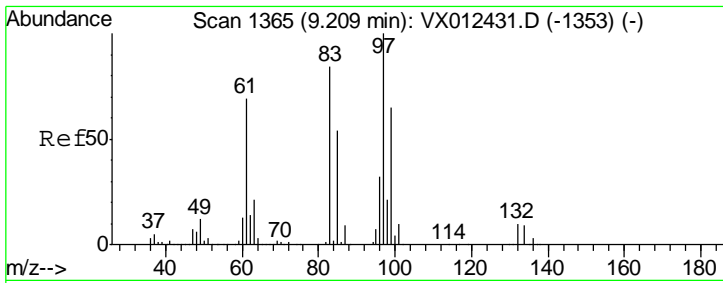
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#54
 cis-1,3-Dichloropropene
 Concen: 52.043 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

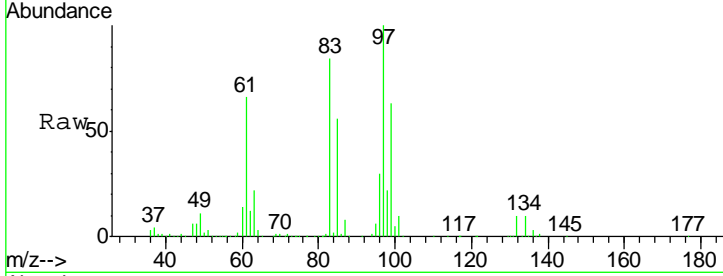
Tgt Ion	Resp	Lower	Upper
75	159575		
75	100		
77	32.7	25.8	38.8
39	55.3	45.5	68.3





#55
 1,1,2-Trichloroethane
 Concen: 50.293 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

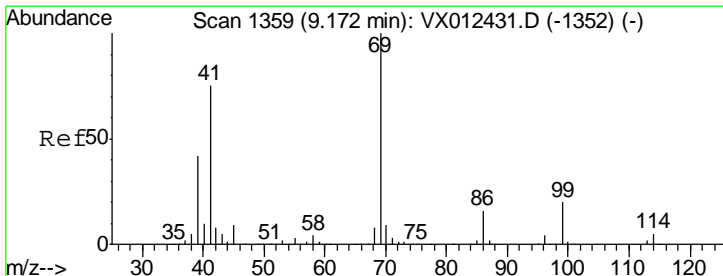
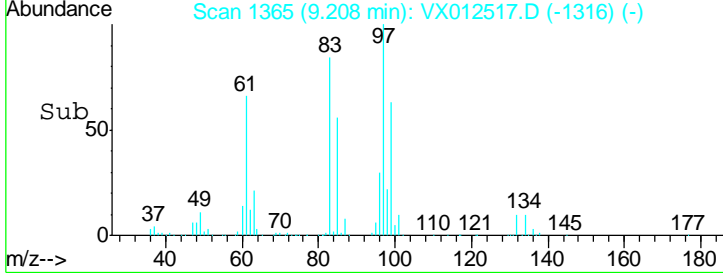
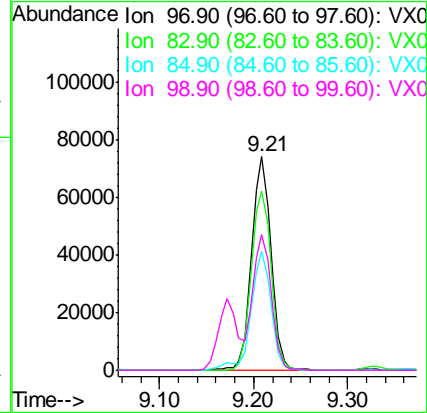
Instrument : MSVOA_X
 Client Sampled : VSTDCCC050



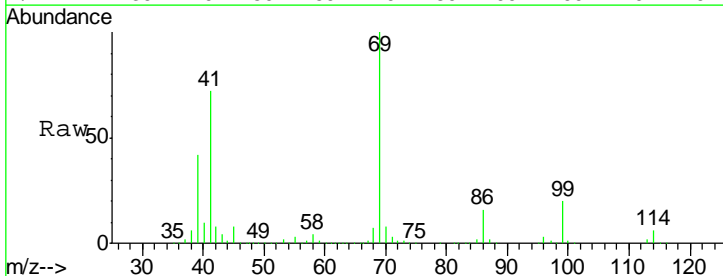
Tgt Ion: 97 Resp: 107461

Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.4	101.2
85	55.8	43.5	65.3
99	63.4	51.8	77.8

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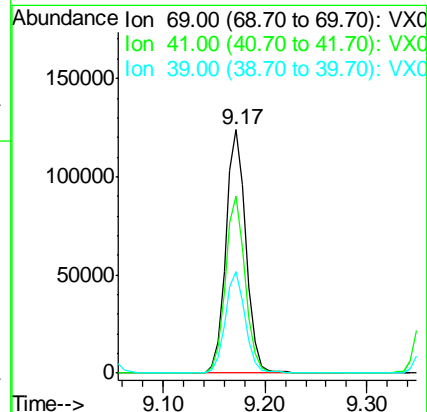
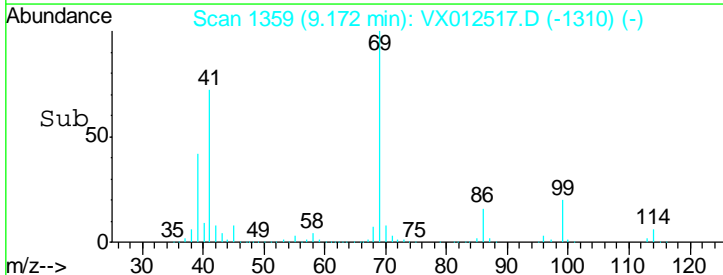


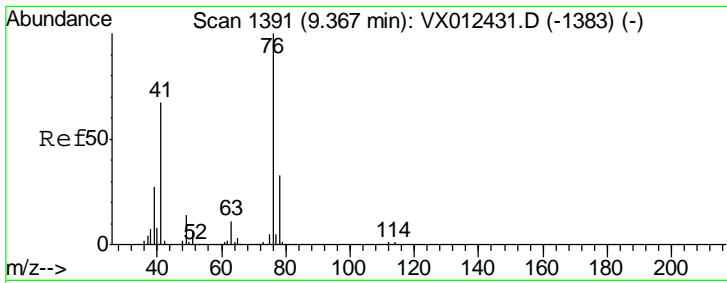
#56
 Ethyl methacrylate
 Concen: 50.716 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30



Tgt Ion: 69 Resp: 169430

Ion	Ratio	Lower	Upper
69	100		
41	71.8	58.4	87.6
39	41.6	33.4	50.0



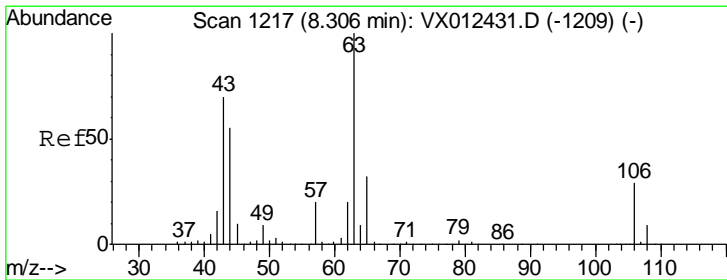
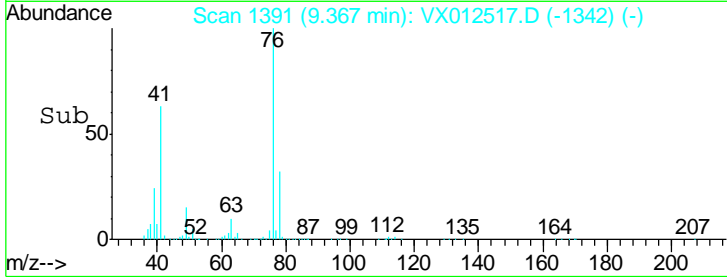
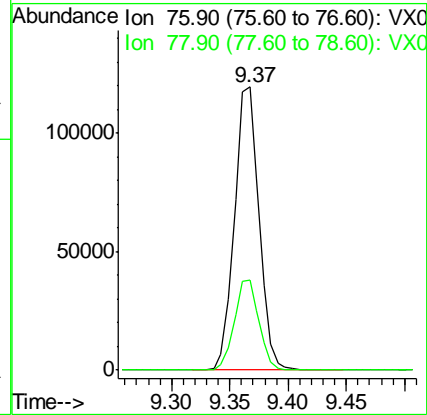
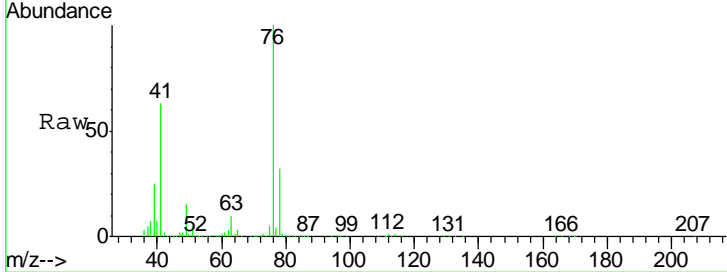


#57
 1,3-Dichloropropane
 Concen: 51.523 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
76	175651		
76	100		
78	32.1	26.2	39.2

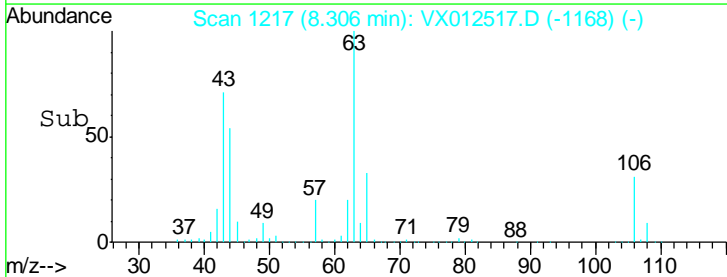
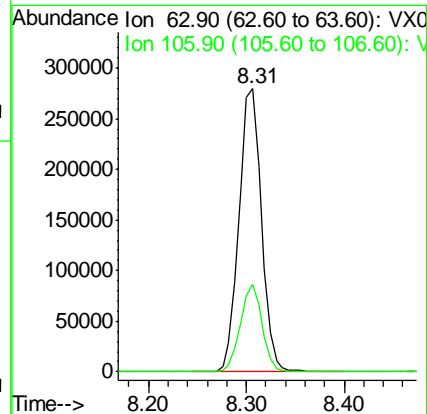
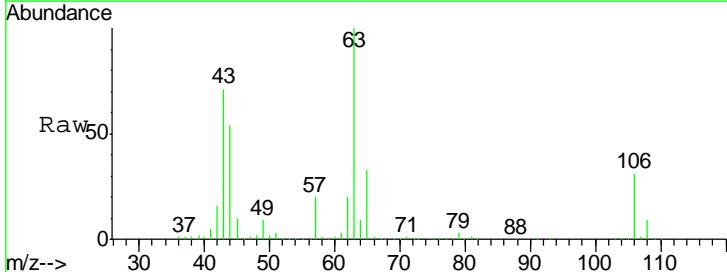
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

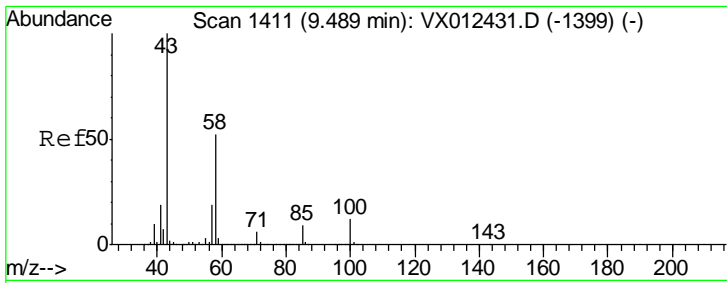
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#58
 2-Chloroethyl Vinyl ether
 Concen: 258.841 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
63	447613		
63	100		
106	29.8	23.8	35.6





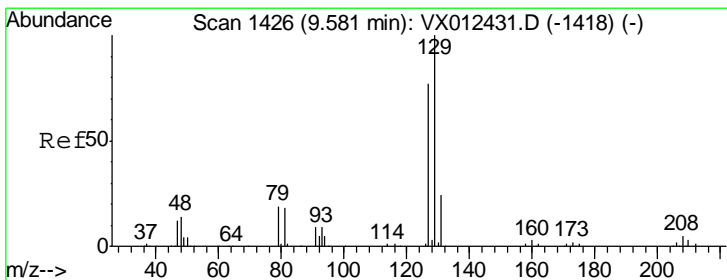
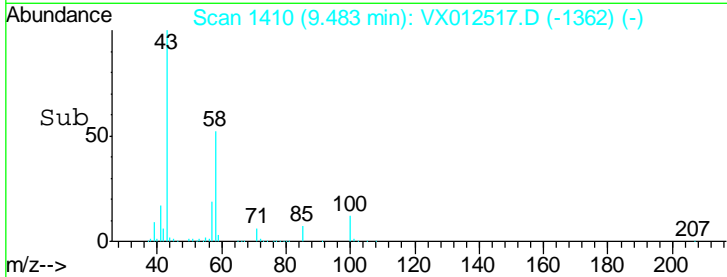
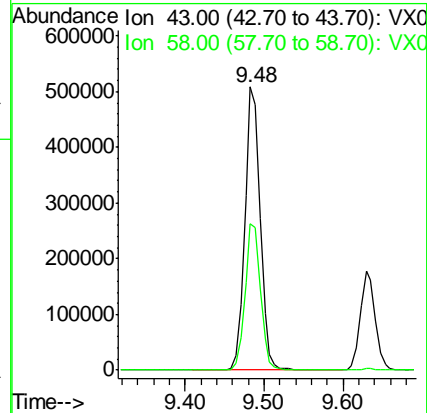
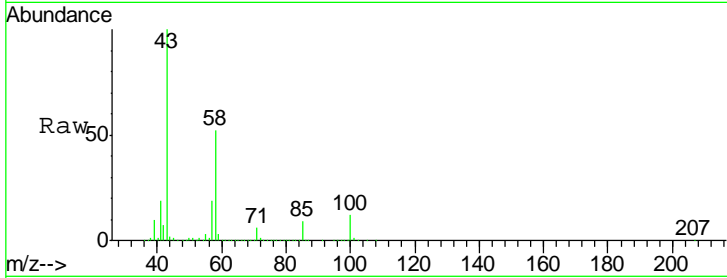
#59
 2-Hexanone
 Concen: 240.947 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	52.2	25.7	77.1

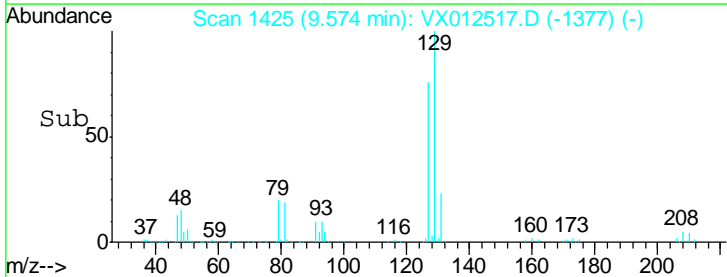
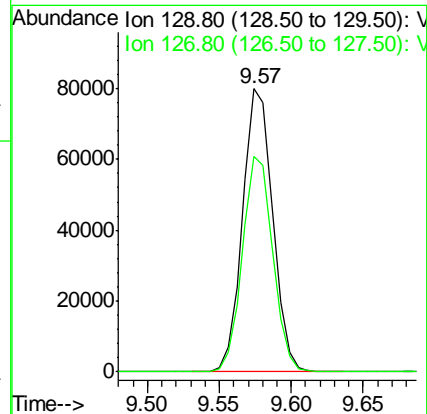
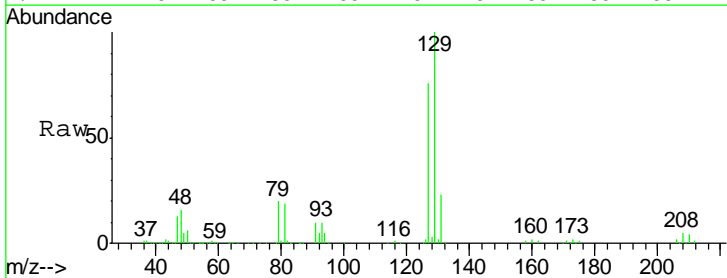
Manual Integrations
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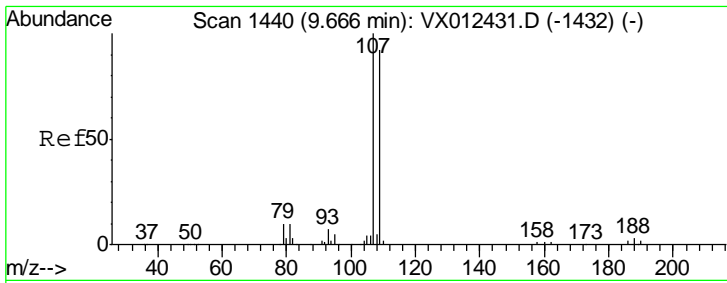
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#60
 Dibromochloromethane
 Concen: 53.412 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.7	38.9	116.6





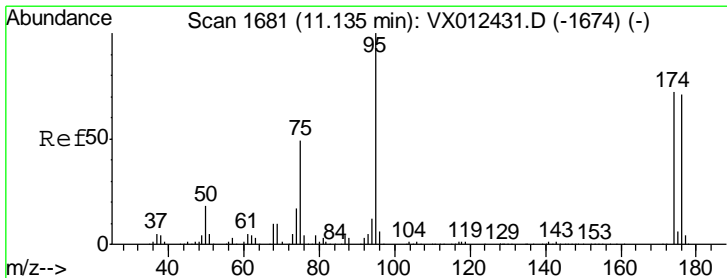
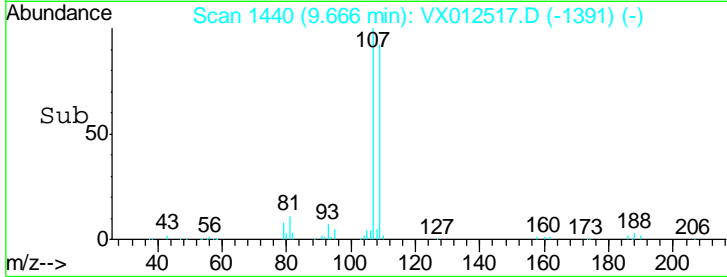
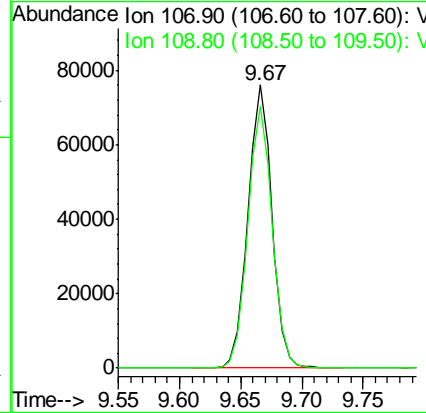
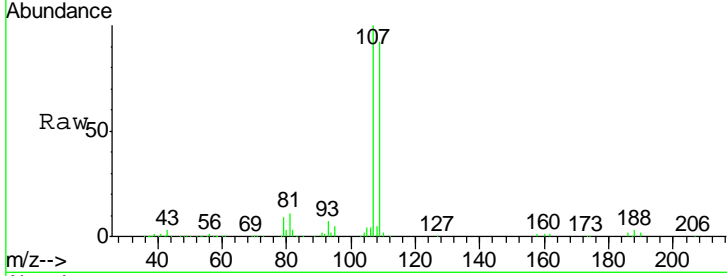
#61
 1,2-Dibromoethane
 Concen: 53.029 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
107	103485		
109	94.2	74.7	112.1

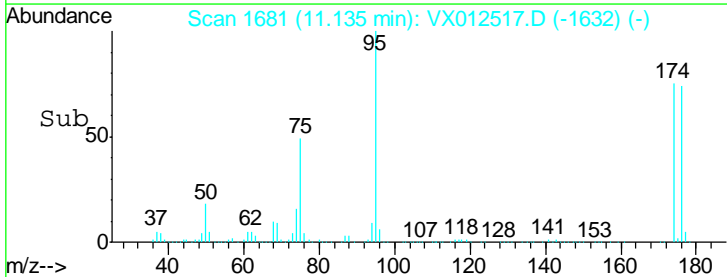
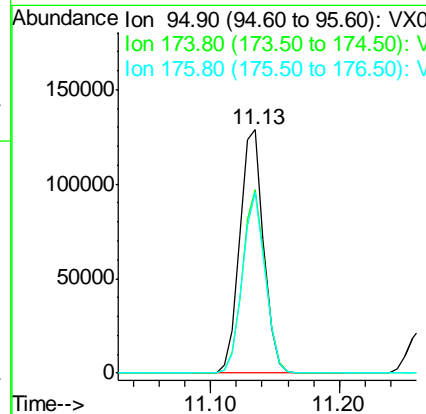
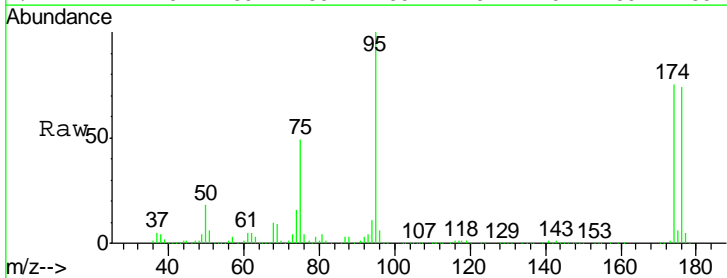
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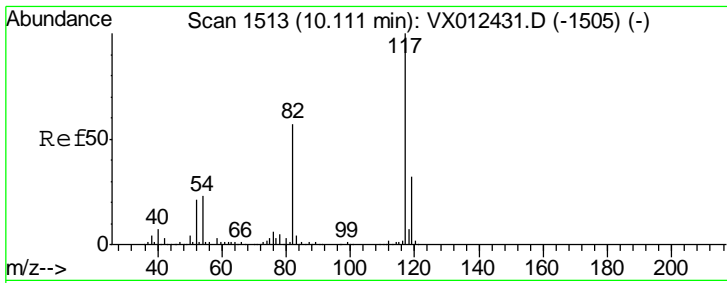
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#62
 4-Bromofluorobenzene
 Concen: 53.622 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

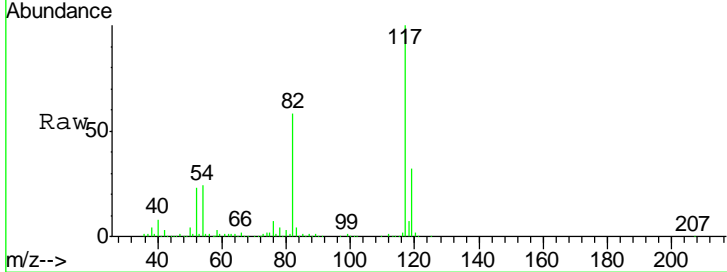
Tgt Ion	Resp	Lower	Upper
95	166116		
174	72.2	0.0	140.0
176	70.5	0.0	135.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

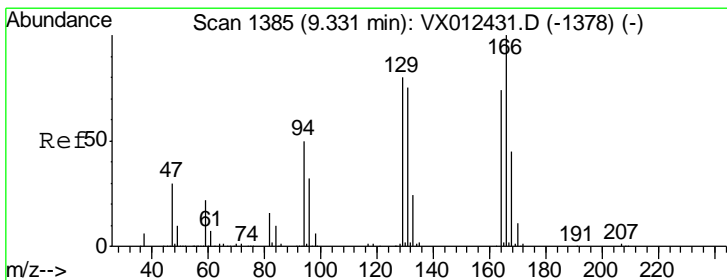
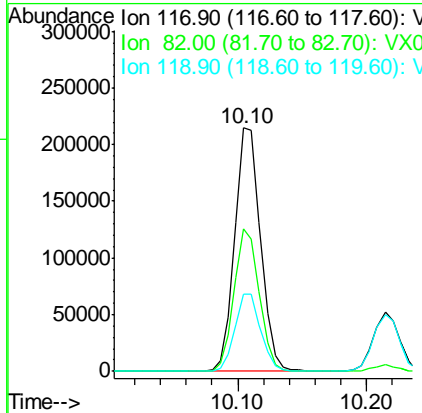
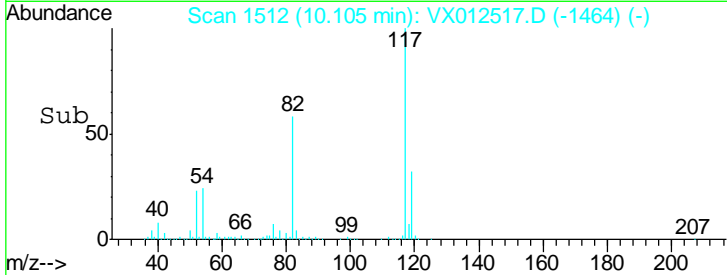
Instrument : MSVOA_X
 Client Sampled : VSTDC050



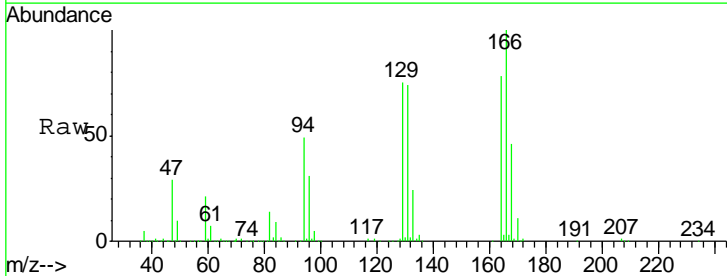
Tgt Ion: 117 Resp: 300807

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.9	68.9
119	31.6	25.3	37.9

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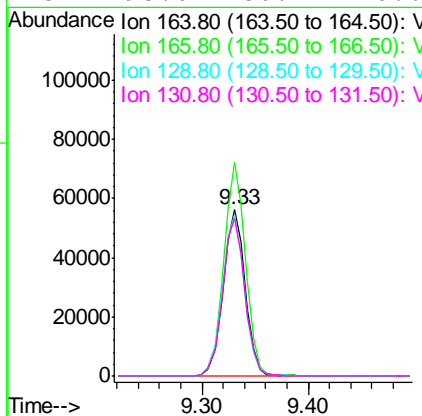
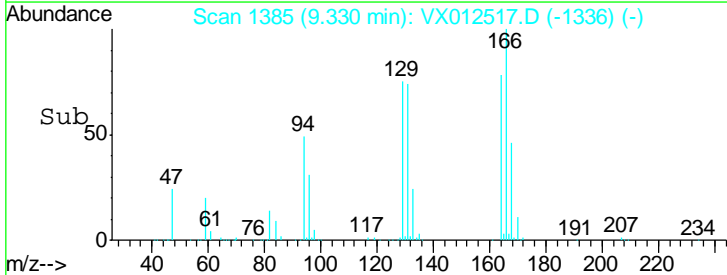


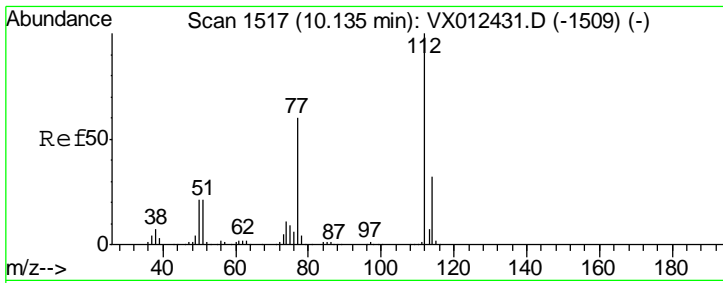
#64
 Tetrachloroethene
 Concen: 58.535 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30



Tgt Ion: 164 Resp: 80685

Ion	Ratio	Lower	Upper
164	100		
166	128.4	107.8	161.6
129	96.9	86.2	129.2
131	95.0	80.4	120.6





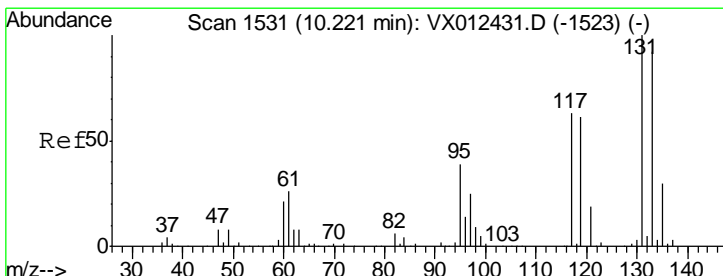
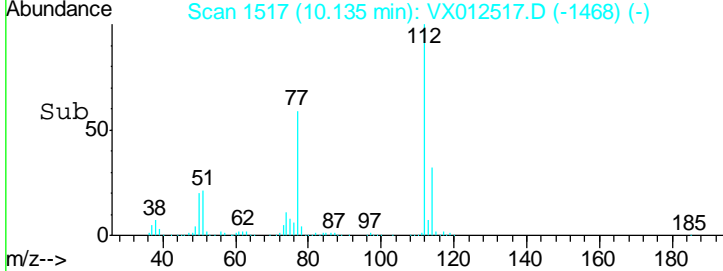
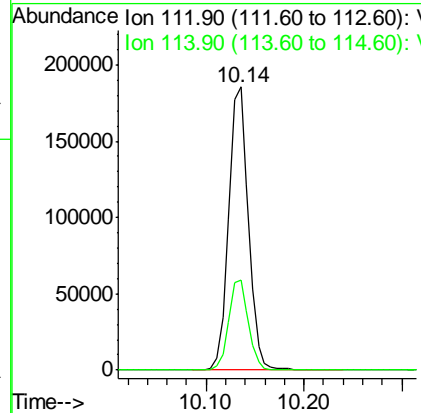
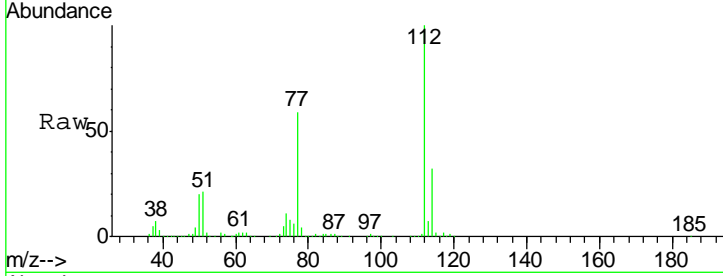
#65
 Chlorobenzene
 Concen: 51.998 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.7	25.4	38.0

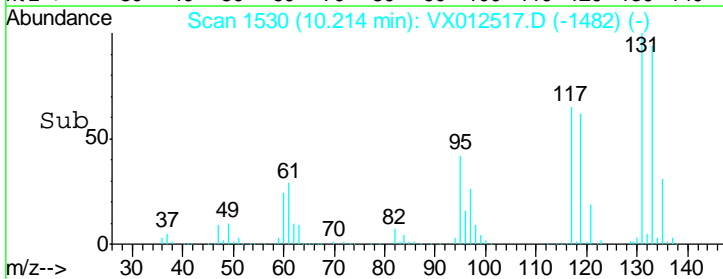
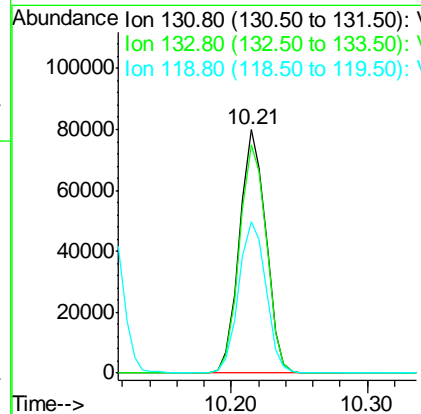
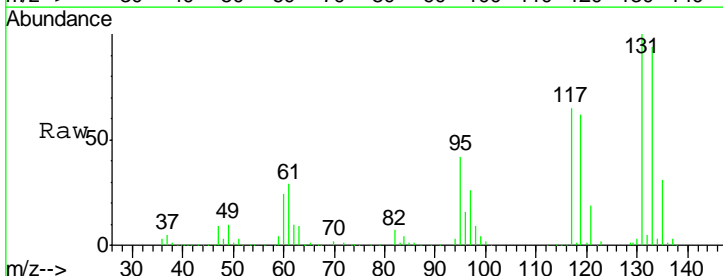
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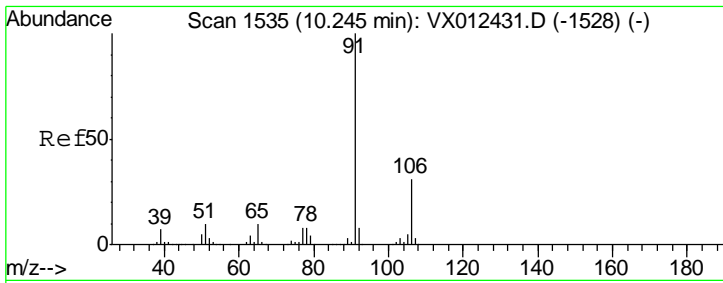
MMDadoda
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.544 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.6	47.6	142.9
119	64.0	31.3	93.8



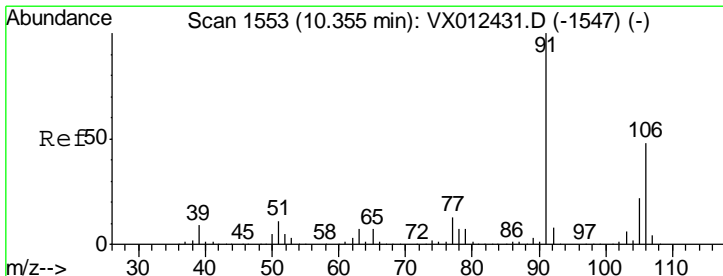
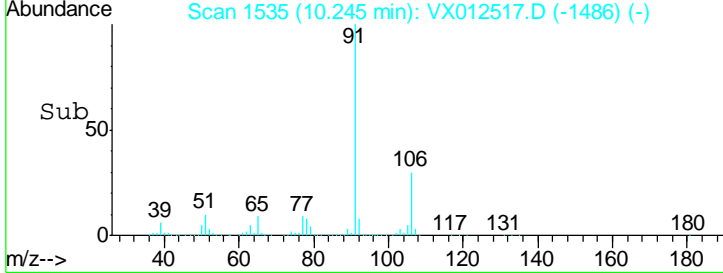
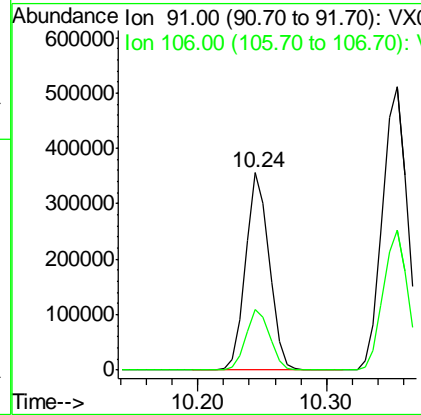
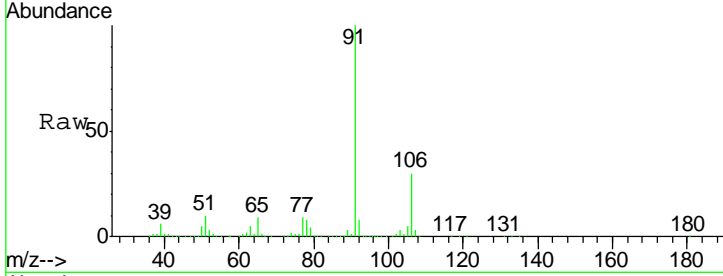


#67
 Ethyl Benzene
 Concen: 52.837 ug/l
 RT: 10.24 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

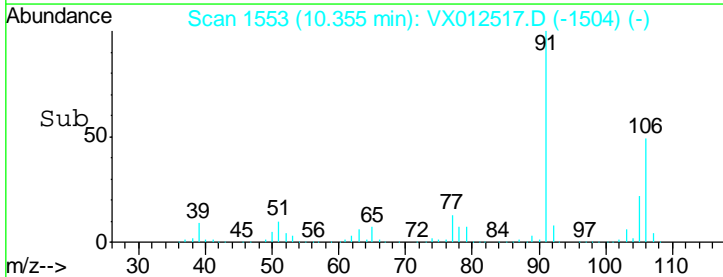
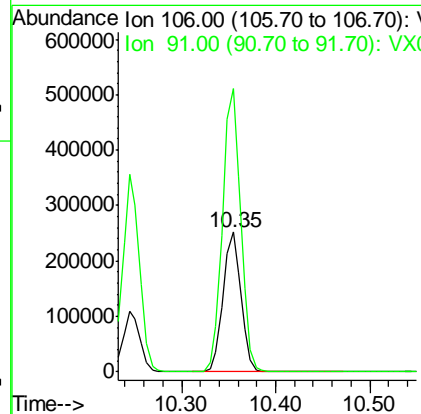
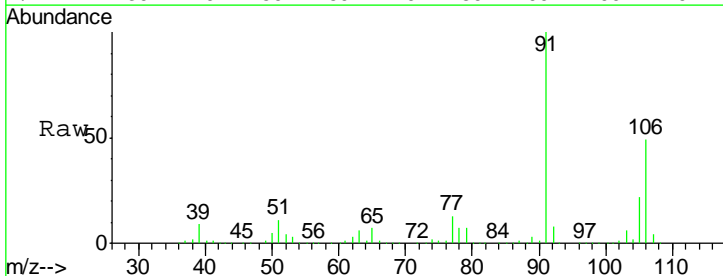
Tgt Ion	Resp	Lower	Upper
91	100		
106	30.5	24.6	37.0

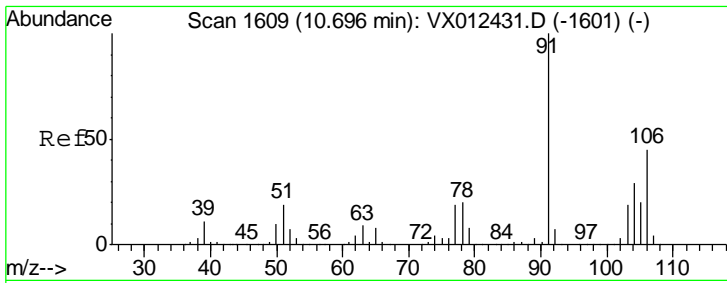
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#68
 m/p-Xylenes
 Concen: 107.545 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
106	100		
91	204.9	166.6	250.0





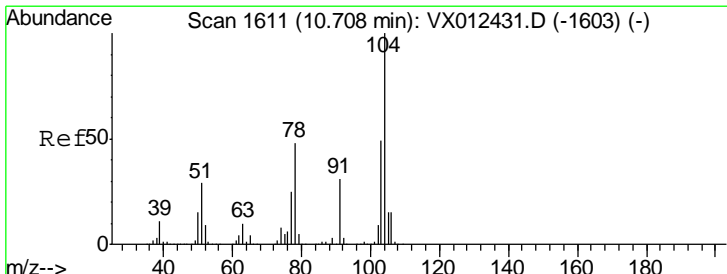
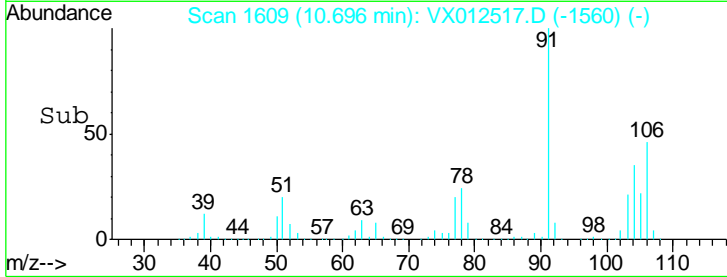
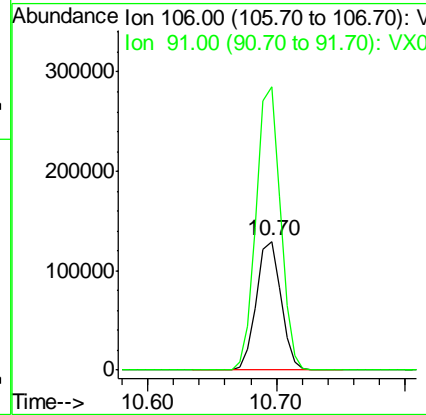
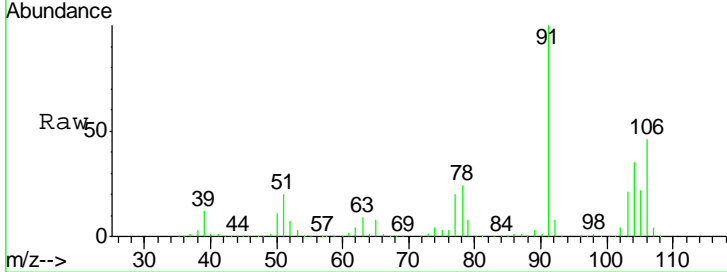
#69
 o-Xylene
 Concen: 53.244 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
106	169941		
106	100		
91	217.5	109.4	328.2

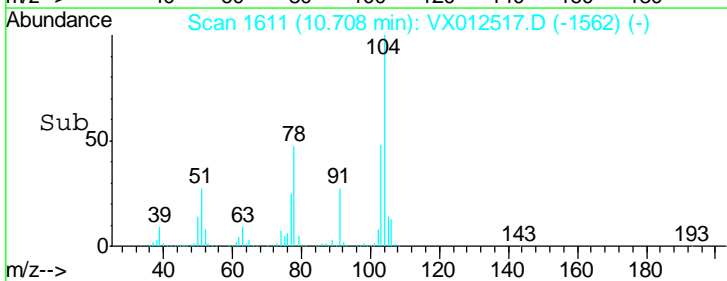
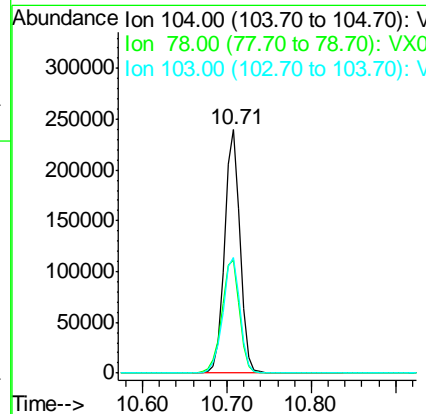
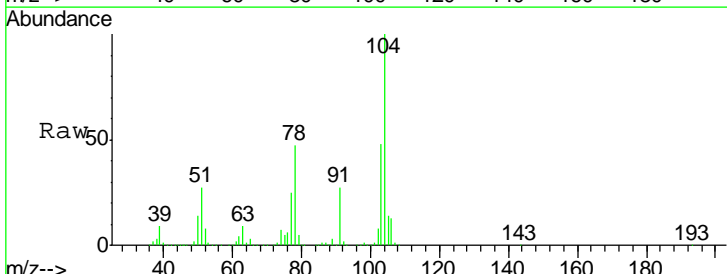
Manual Integrations
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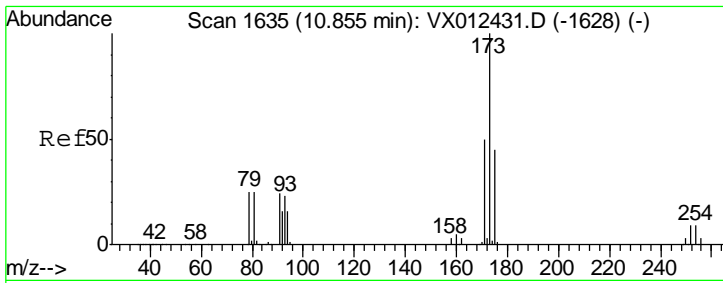
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#70
 Styrene
 Concen: 53.969 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
104	304772		
104	100		
78	53.1	43.4	65.2
103	53.0	43.3	64.9





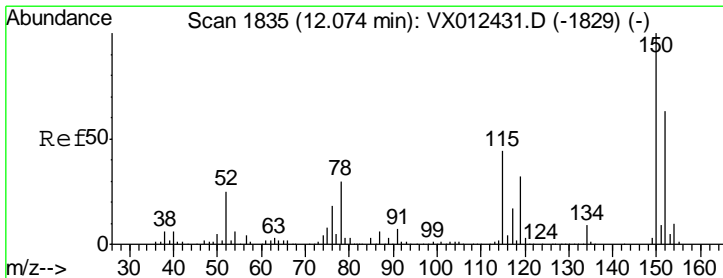
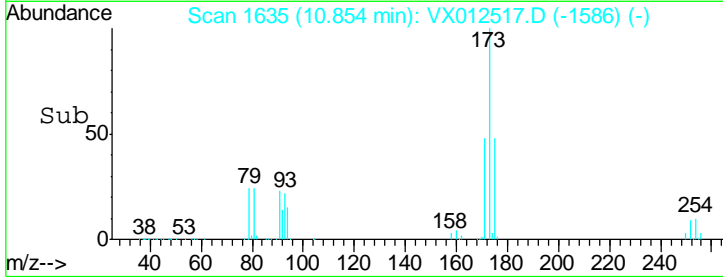
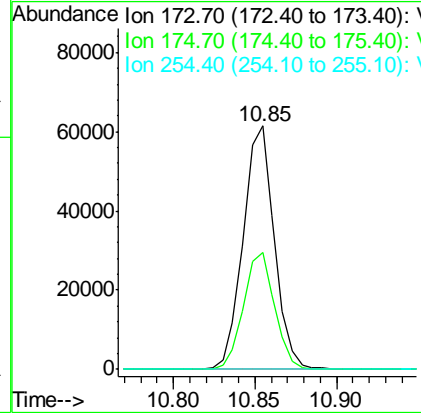
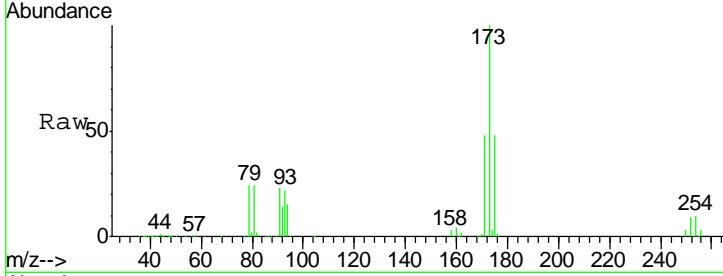
#71
 Bromoform
 Concen: 46.372 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.1	23.7	71.1
254	0.1	0.1	0.1

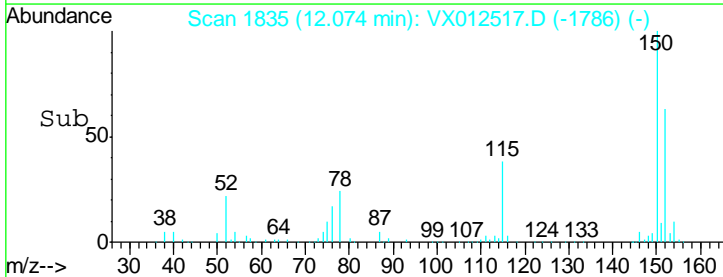
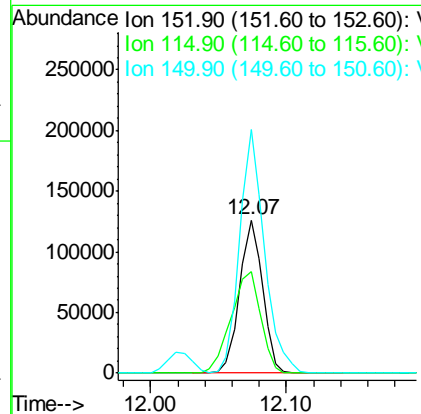
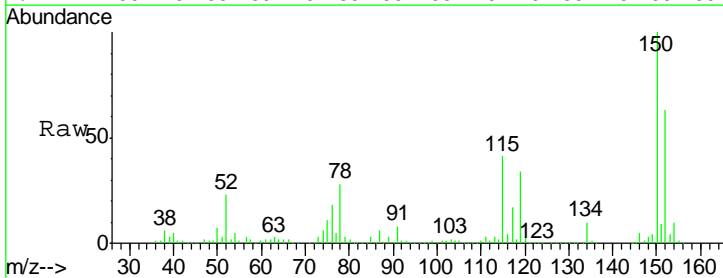
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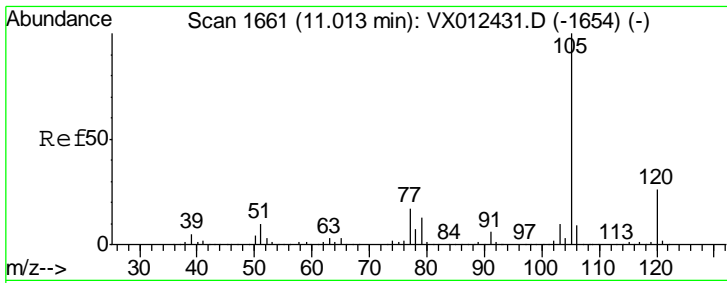
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
152	100		
115	85.5	44.1	132.3
150	172.4	0.0	343.8



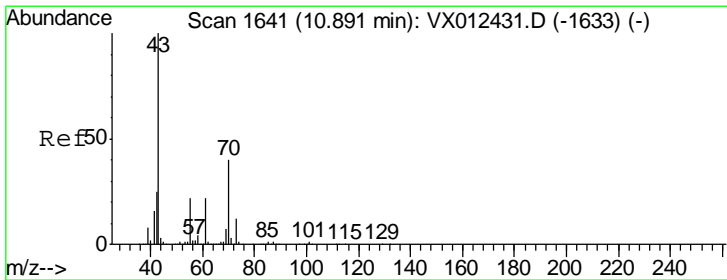
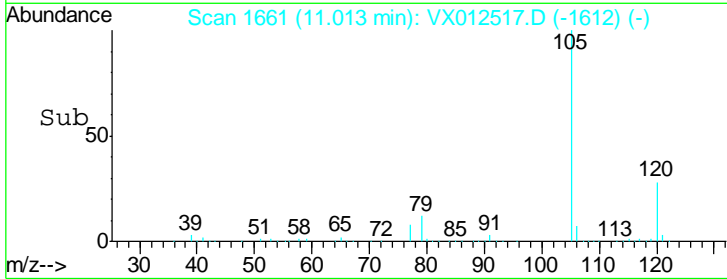
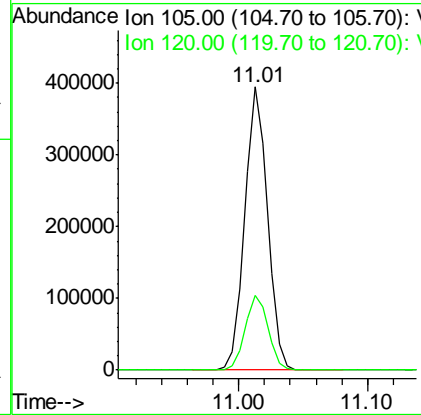
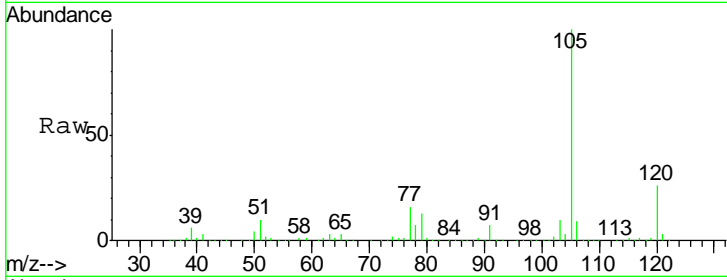


#73
 Isopropylbenzene
 Concen: 51.563 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

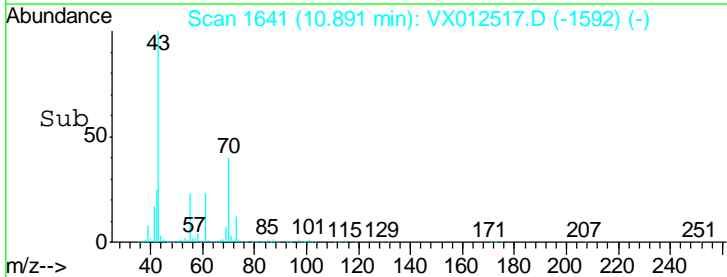
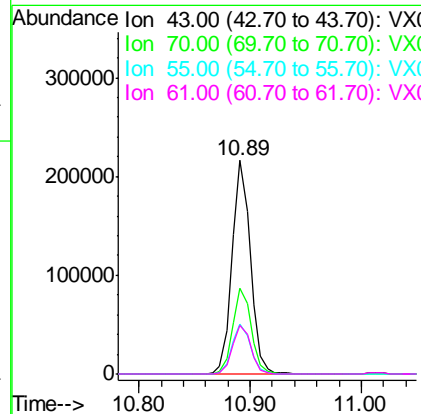
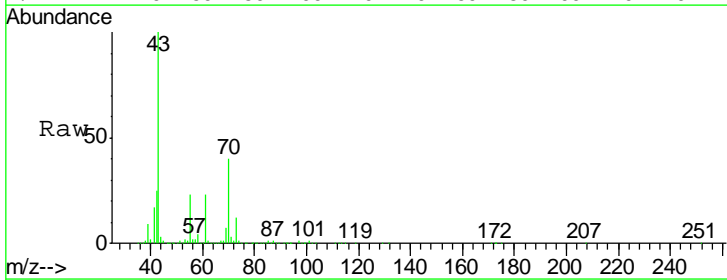
Tgt Ion: 105 Resp: 479485
 Ion Ratio Lower Upper
 105 100
 120 26.6 12.9 38.7

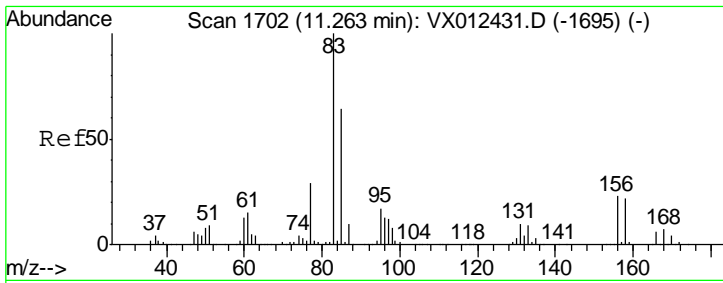
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#74
 N-ethyl acetate
 Concen: 49.069 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion: 43 Resp: 245664
 Ion Ratio Lower Upper
 43 100
 70 40.9 32.4 48.6
 55 23.9 18.2 27.4
 61 23.5 18.5 27.7



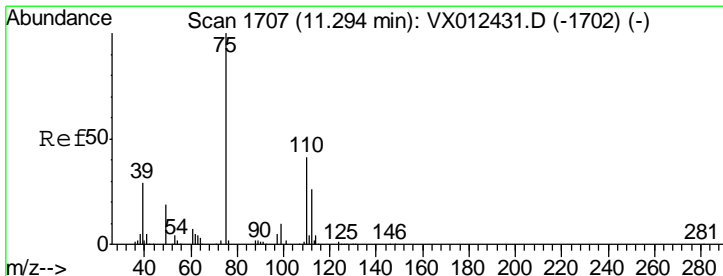
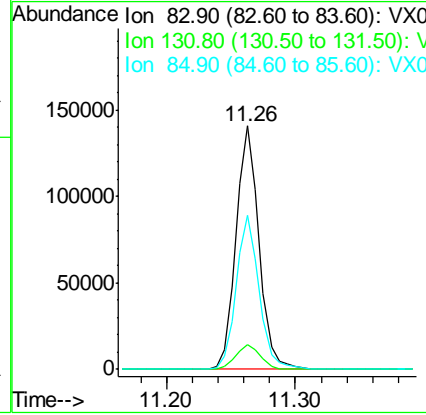
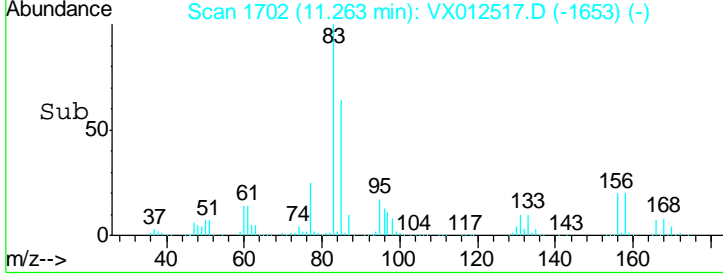
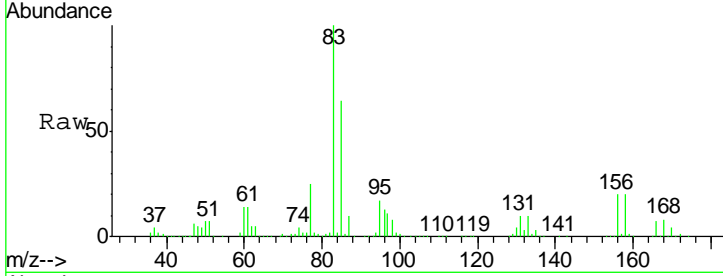


#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.401 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

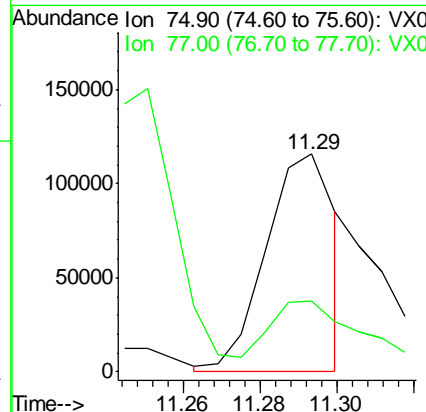
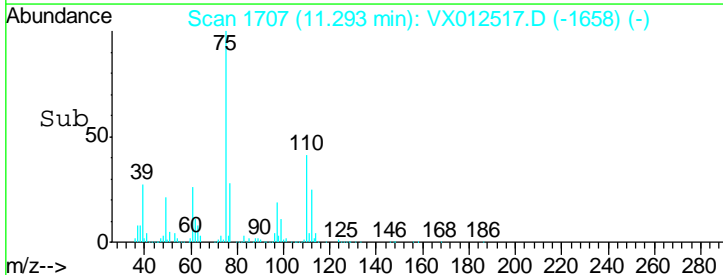
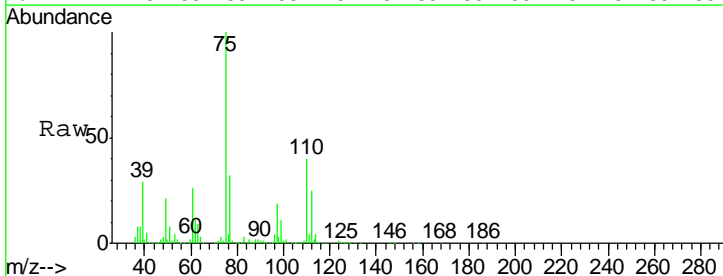
Tgt Ion	Resp	Lower	Upper
83	176557		
83	100		
131	10.7	5.2	15.6
85	63.3	32.0	96.0

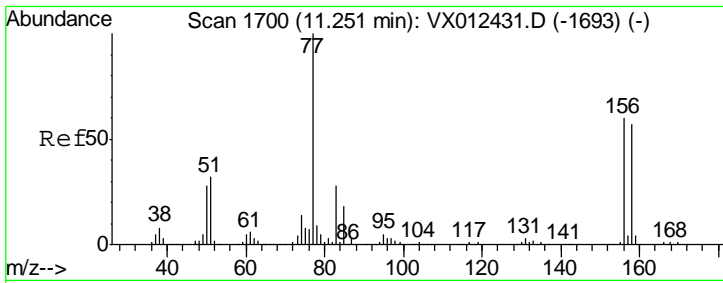
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#76
 1,2,3-Trichloropropane
 Concen: 42.514 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
75	144735		
75	100		
77	44.2	19.7	59.0



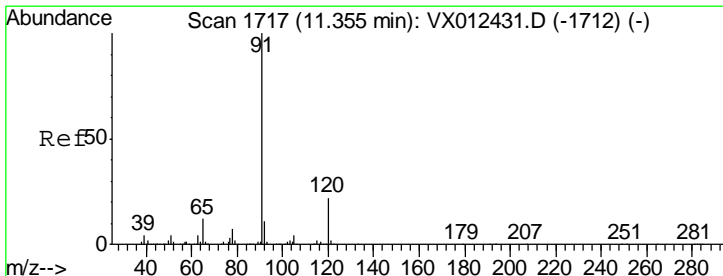
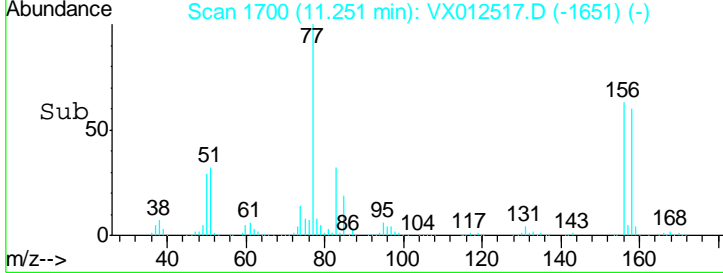
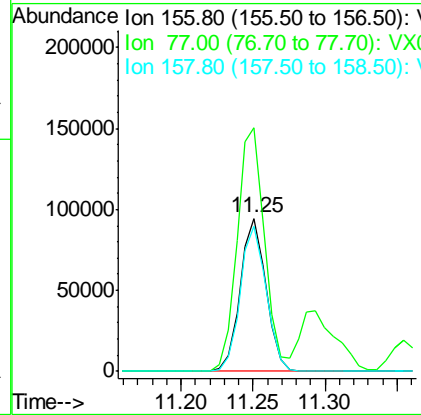
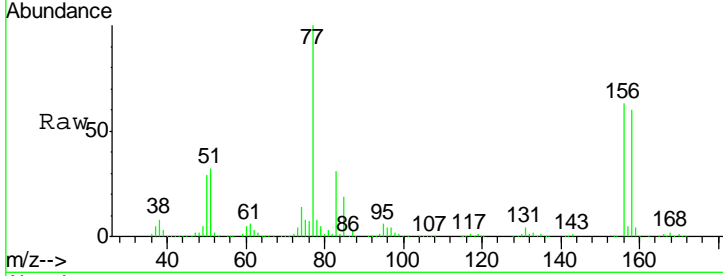


#77
 Bromobenzene
 Concen: 51.810 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDC050

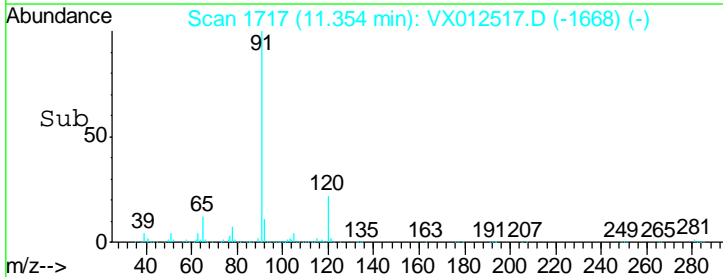
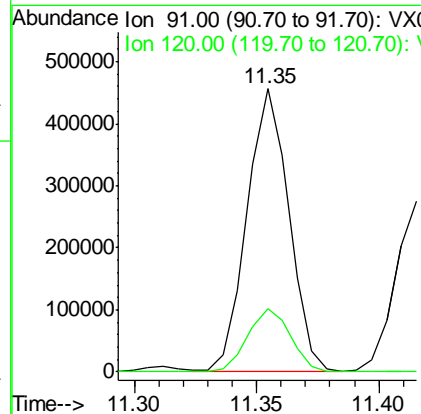
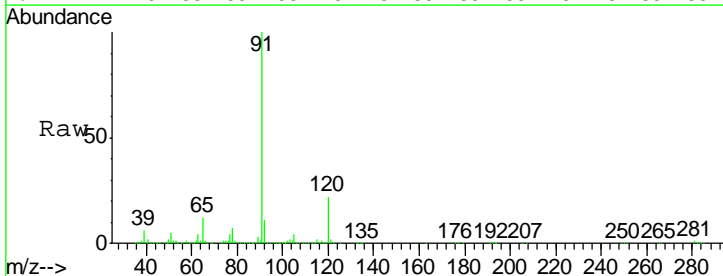
Tgt Ion	Resp	Lower	Upper
156	117498		
77	171.4	87.3	261.8
158	96.5	48.5	145.6

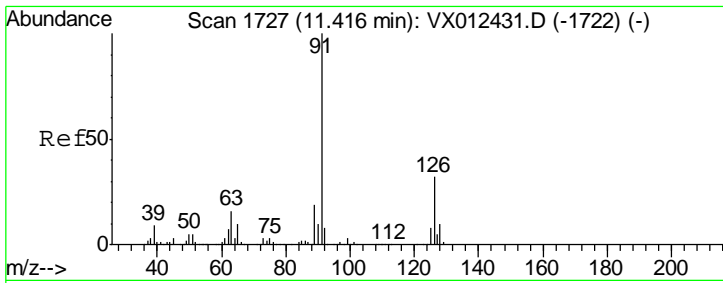
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#78
 n-propylbenzene
 Concen: 52.314 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
91	542196		
120	23.0	11.3	33.8



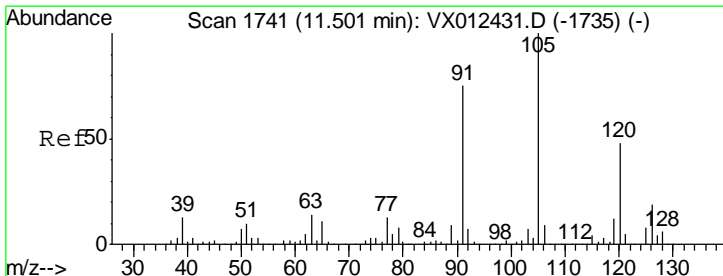
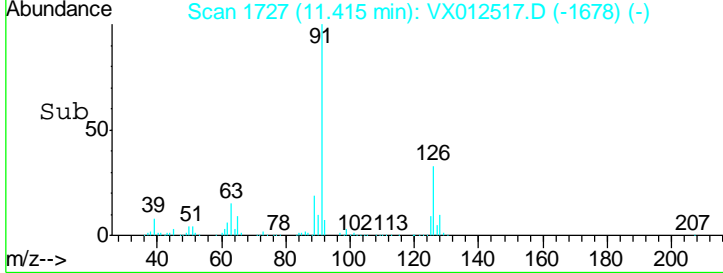
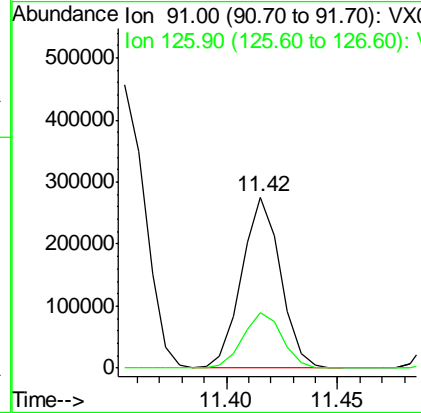
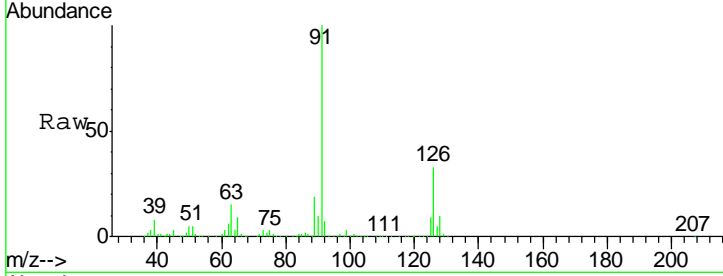


#79
 2-Chlorotoluene
 Concen: 49.605 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDC050

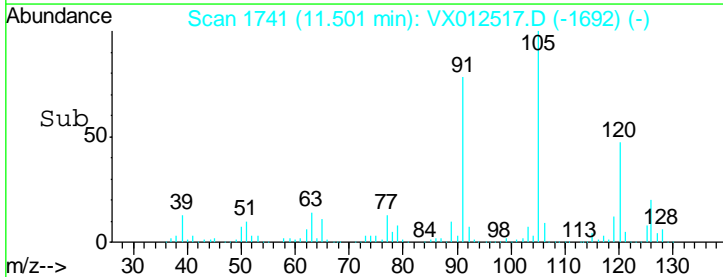
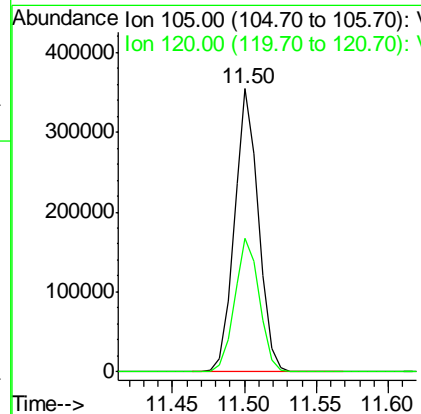
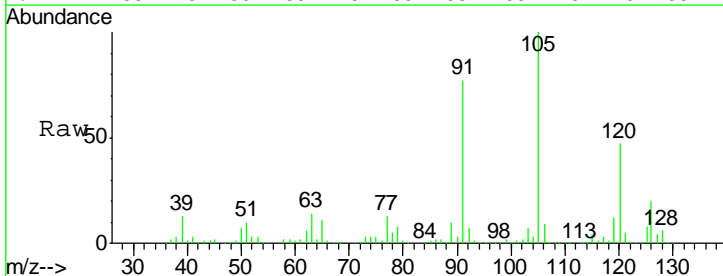
Tgt Ion	Resp	Lower	Upper
91	100		
126	33.2	16.4	49.4

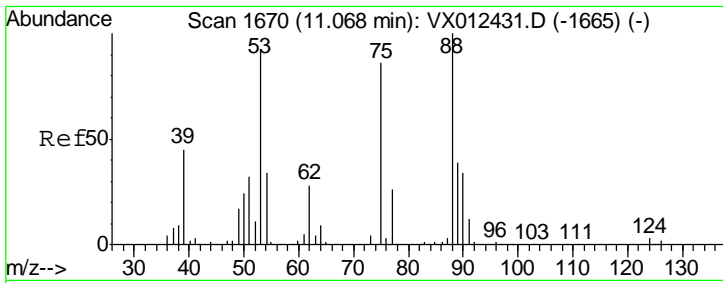
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.002 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
105	100		
120	48.7	24.3	72.8



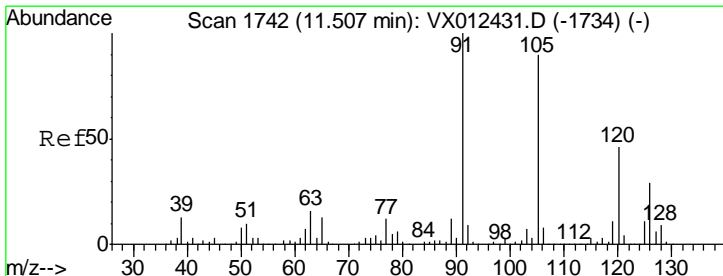
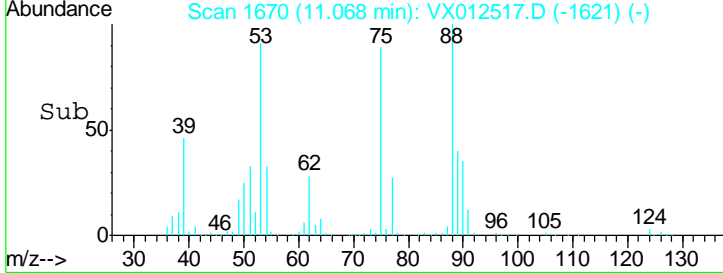
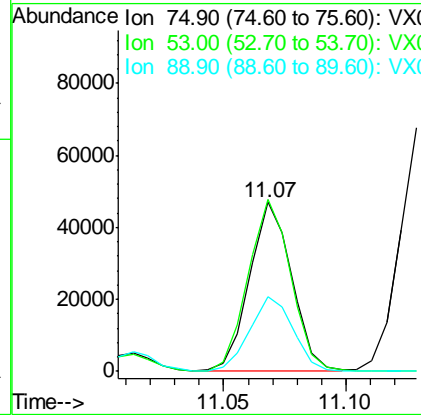
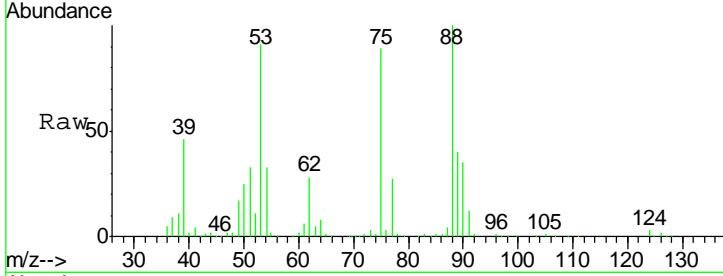


#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.684 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

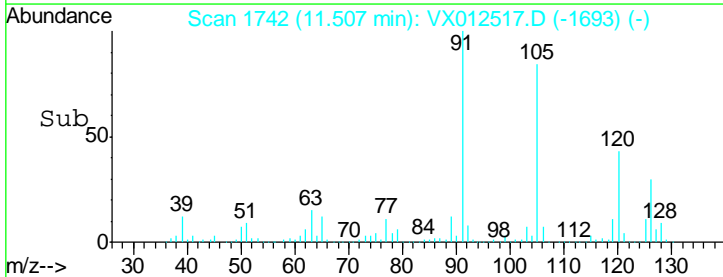
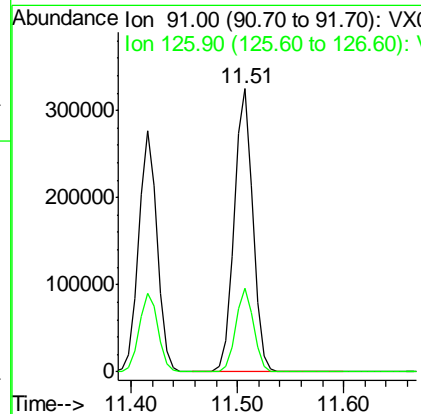
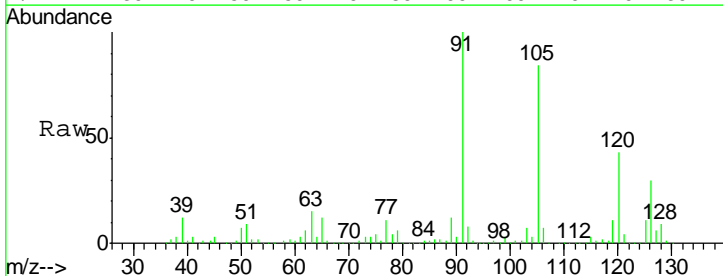
Tgt Ion	Resp	Lower	Upper
75	56297		
75	100		
53	103.4	83.6	125.4
89	46.1	36.3	54.5

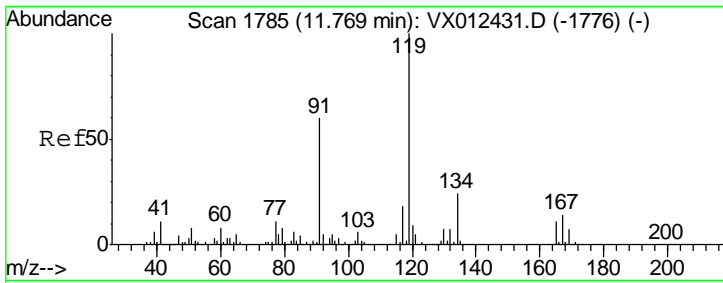
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 51.733 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
91	400324		
91	100		
126	28.4	14.4	43.0



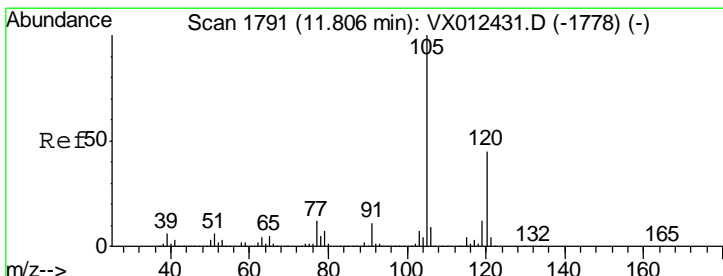
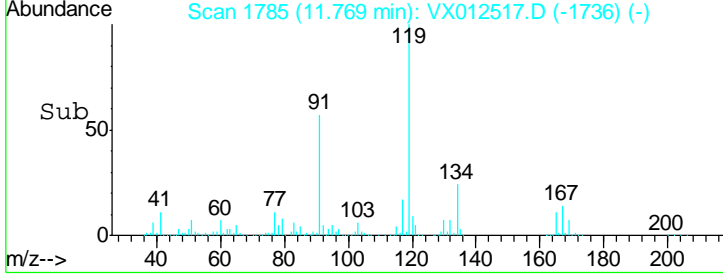
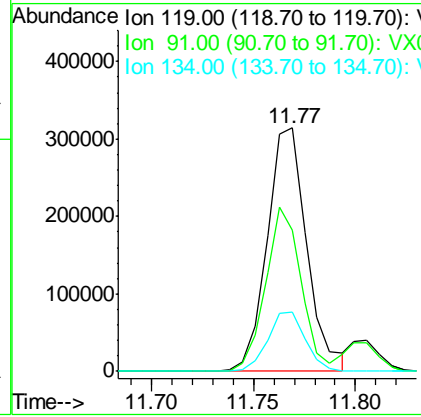
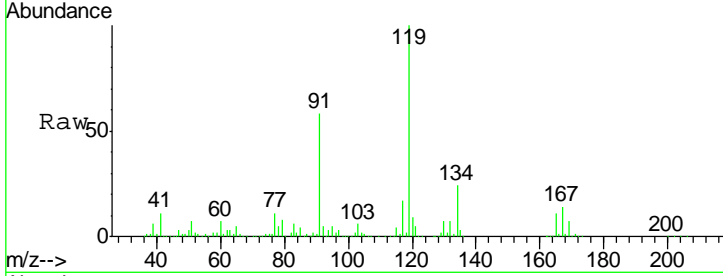


#83
 tert-Butylbenzene
 Concen: 50.317 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 Client Sampled : VSTDC050

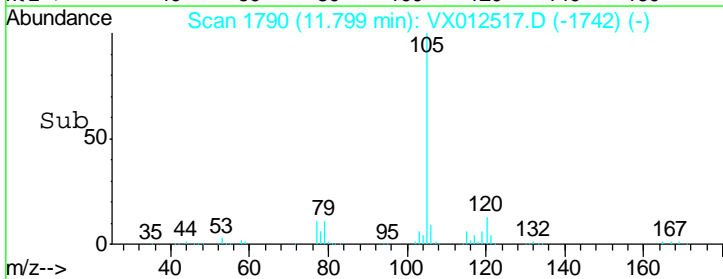
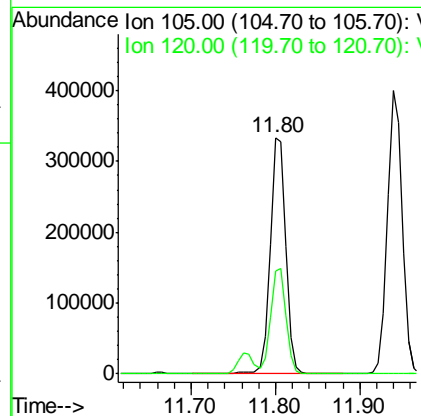
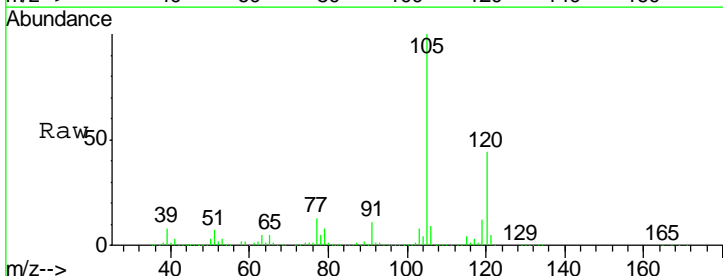
Tgt Ion	Resp	Lower	Upper
119	427590		
91	59.9	30.0	90.0
134	23.0	11.3	33.9

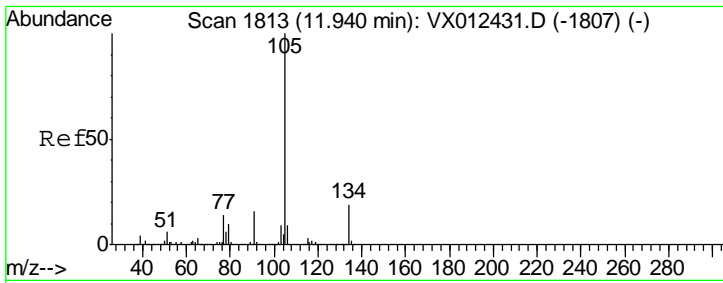
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.211 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

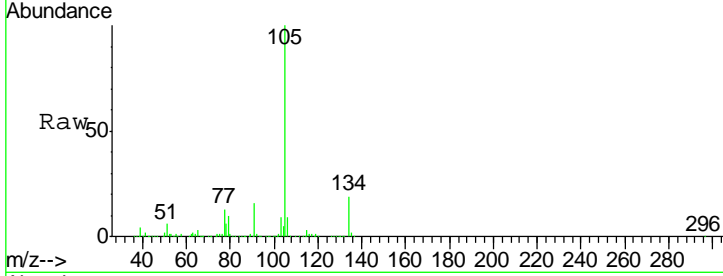
Tgt Ion	Resp	Lower	Upper
105	425146		
120	44.0	22.2	66.6





#85
 sec-Butylbenzene
 Concen: 52.256 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

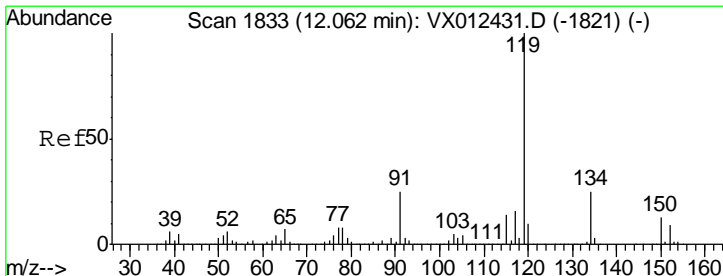
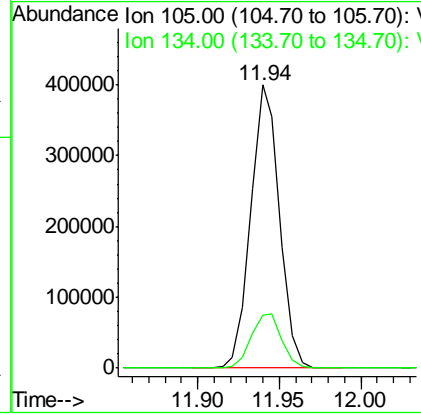
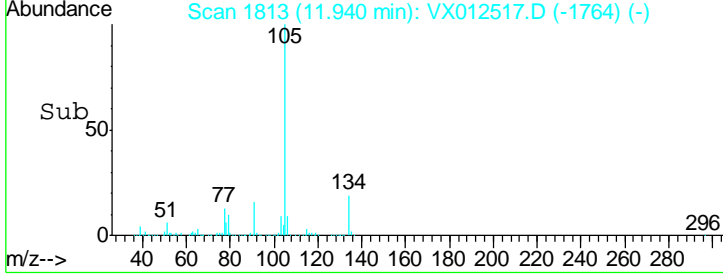
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050



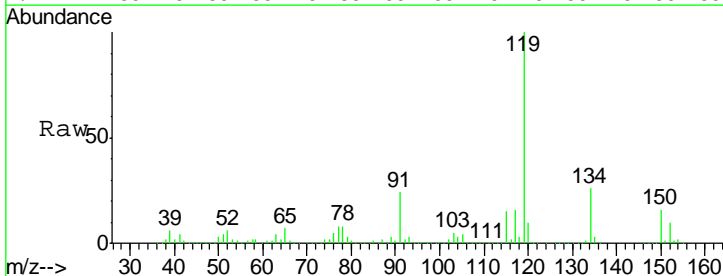
Tgt Ion: 105 Resp: 489329

Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.4

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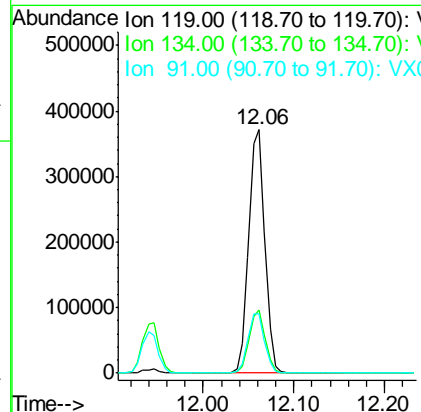
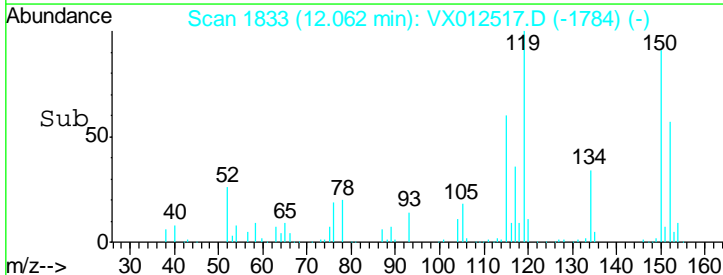


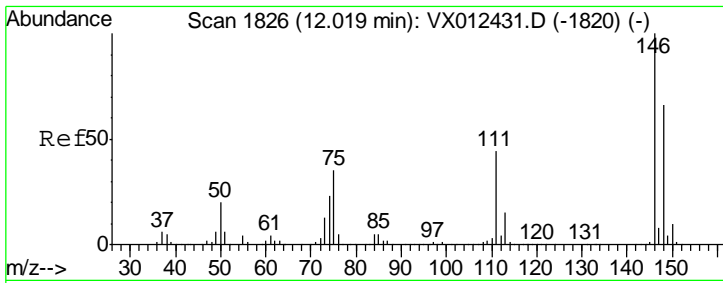
#86
 p-Isopropyltoluene
 Concen: 53.153 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30



Tgt Ion: 119 Resp: 457040

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.7	38.1
91	25.2	12.8	38.4



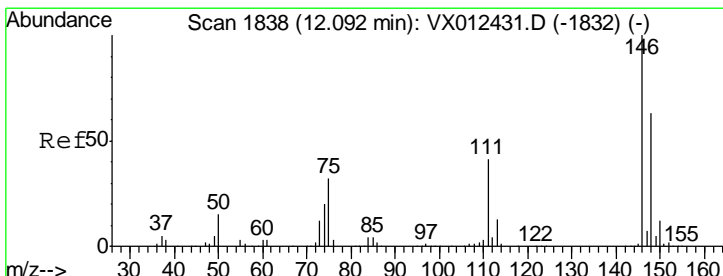
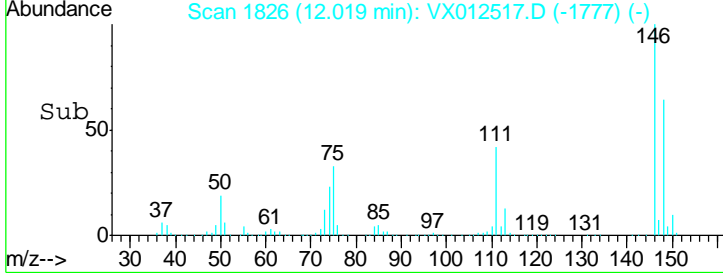
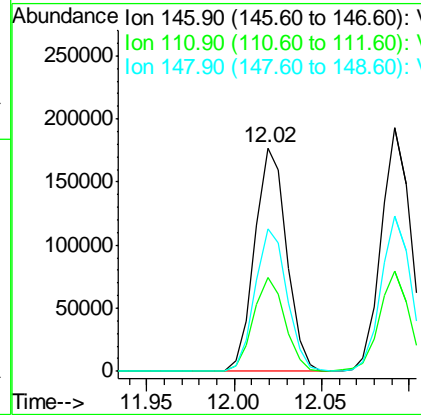
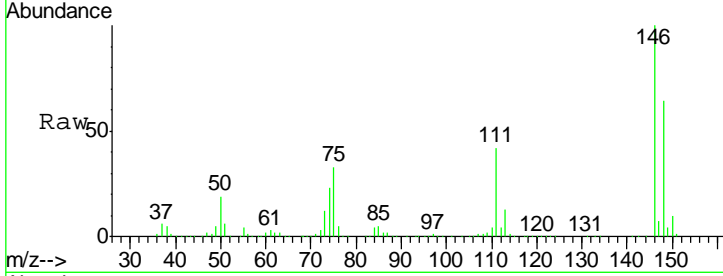


#87
 1,3-Dichlorobenzene
 Concen: 52.641 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

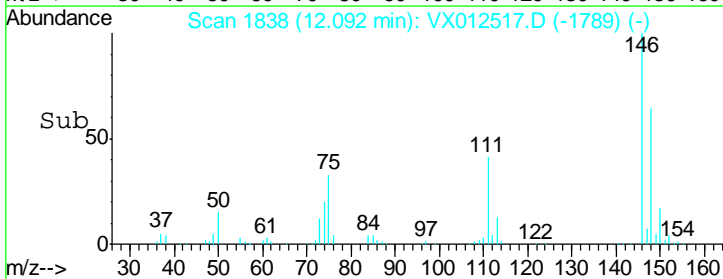
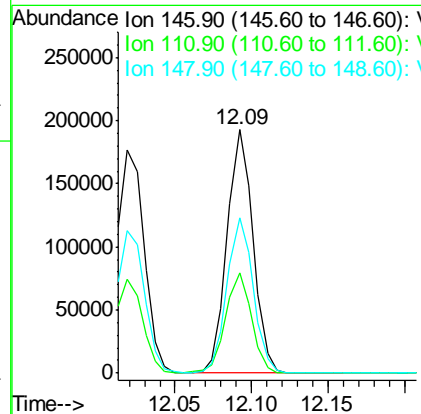
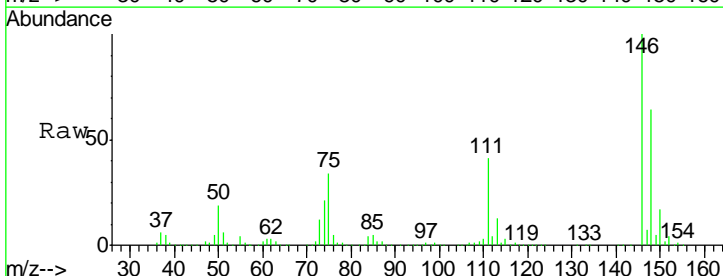
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	64.0
148	64.2	32.4	97.2

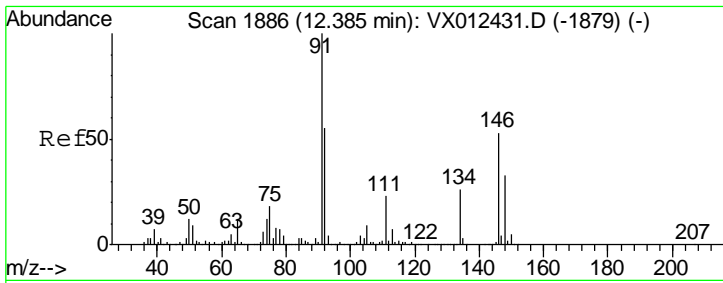
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#88
 1,4-Dichlorobenzene
 Concen: 51.798 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	64.3	32.1	96.5





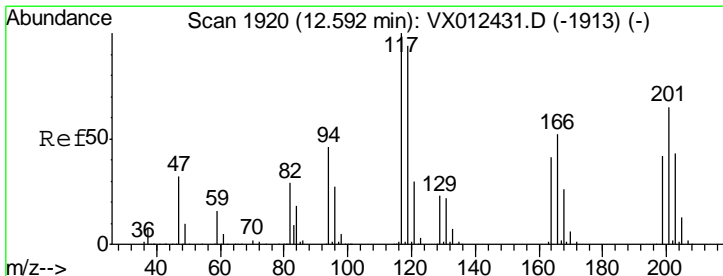
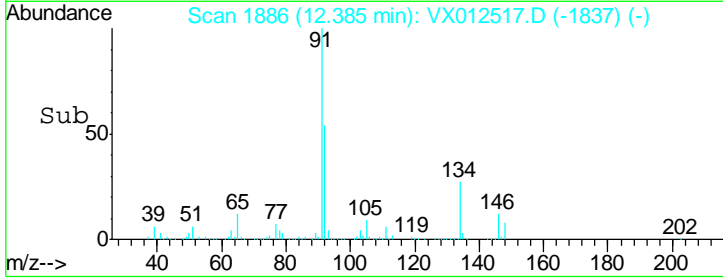
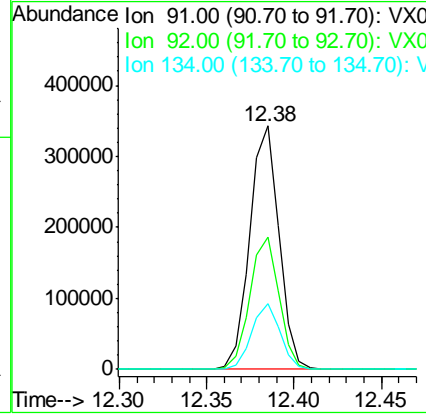
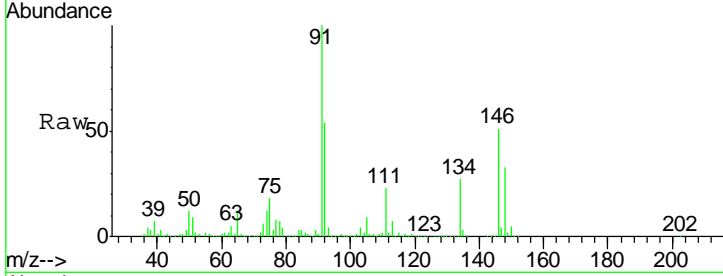
#89
 n-Butylbenzene
 Concen: 52.014 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.4	27.7	83.0
134	26.5	12.9	38.6

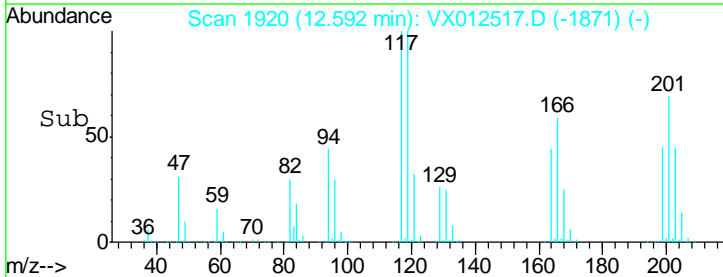
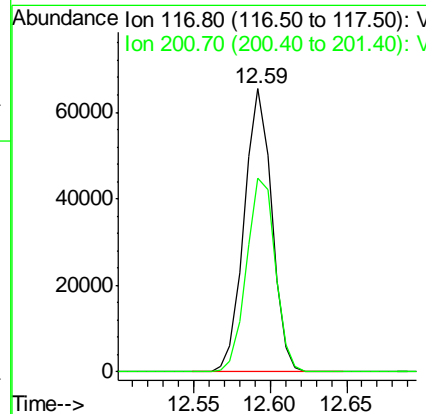
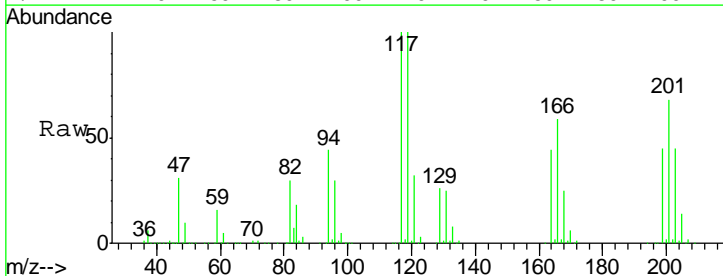
Manual Integrations
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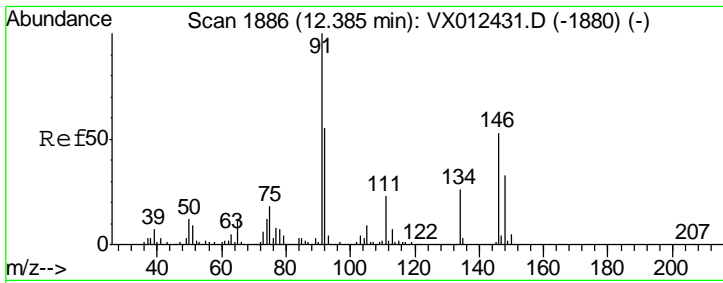
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#90
 Hexachloroethane
 Concen: 51.844 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
117	100		
201	71.6	33.3	99.8



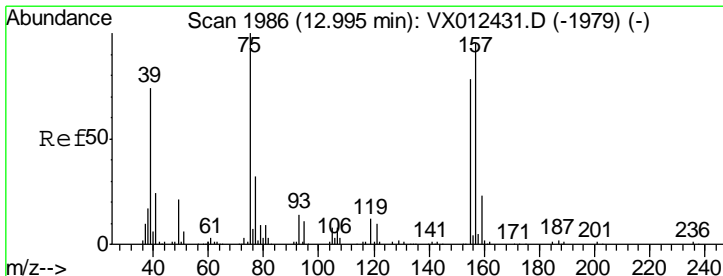
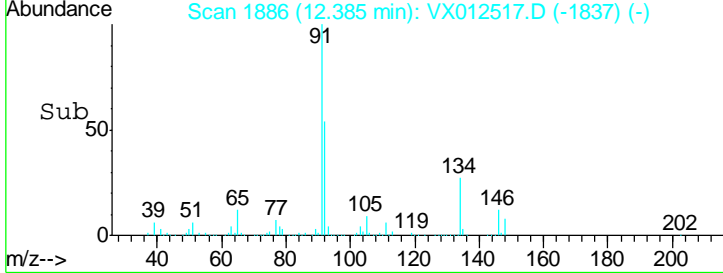
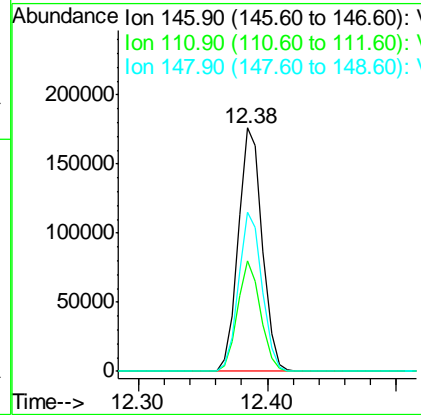
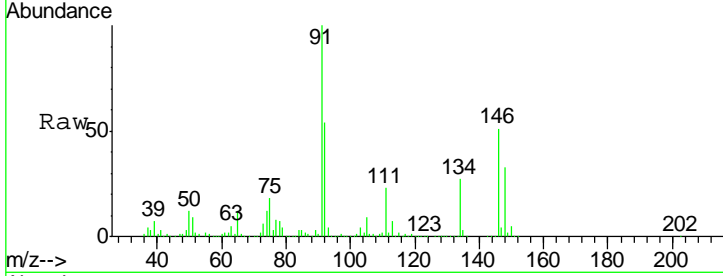


#91
 1,2-Dichlorobenzene
 Concen: 51.186 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

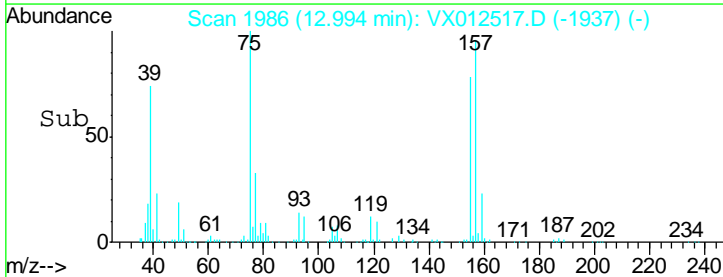
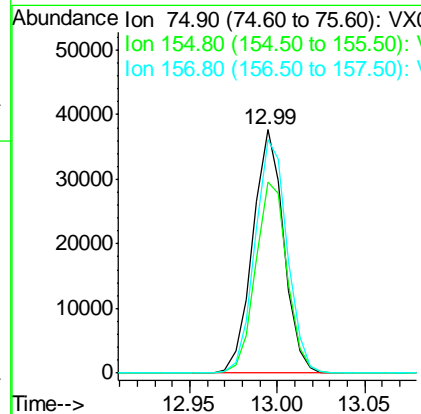
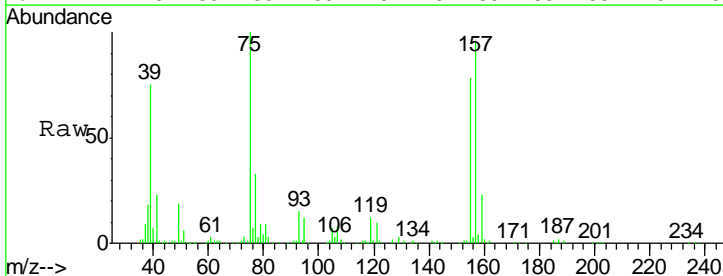
Tgt Ion	Resp	Lower	Upper
146	228226		
146	100		
111	43.7	22.1	66.1
148	64.0	31.3	93.9

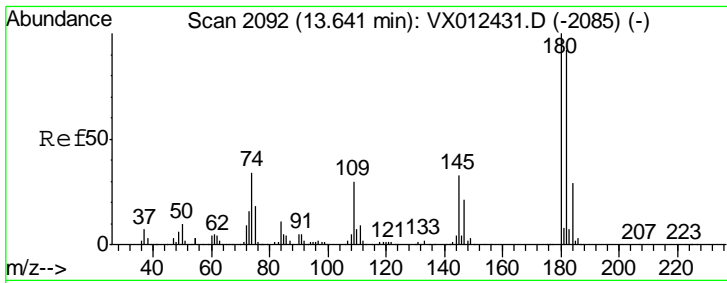
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.836 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

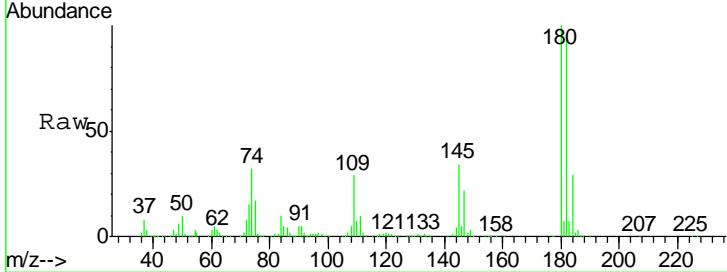
Tgt Ion	Resp	Lower	Upper
75	46185		
75	100		
155	80.0	38.6	115.8
157	100.0	50.6	151.9





#93
 1,2,4-Trichlorobenzene
 Concen: 54.890 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

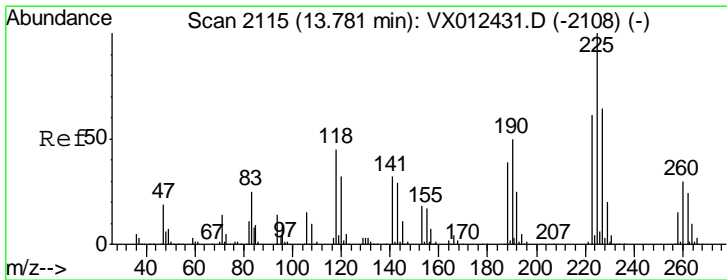
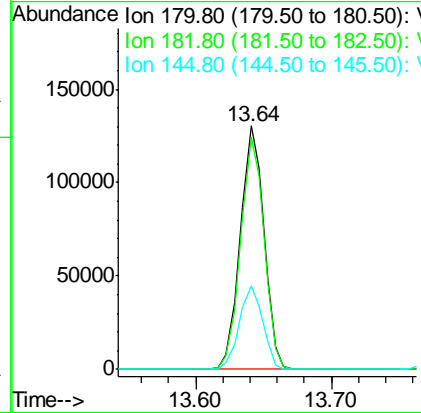
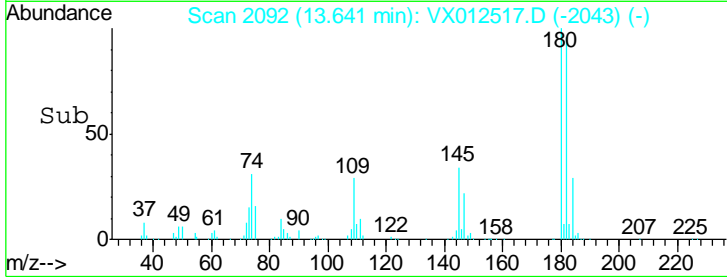
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050



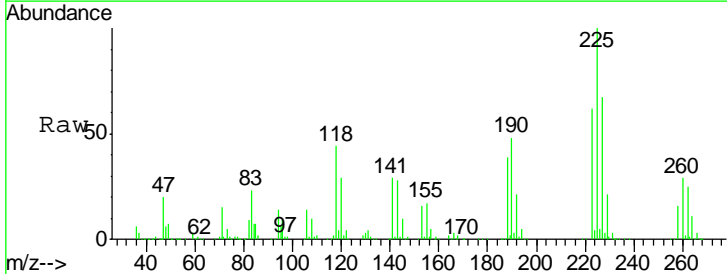
Tgt Ion:180 Resp: 157644

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.0	141.0
145	34.1	16.8	50.4

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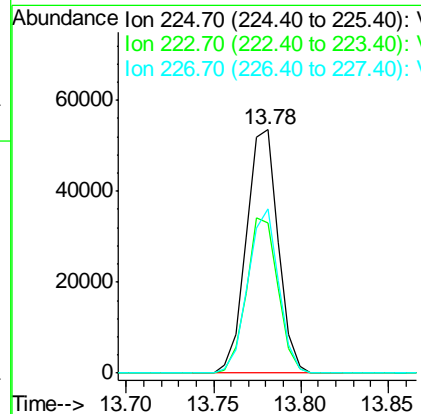
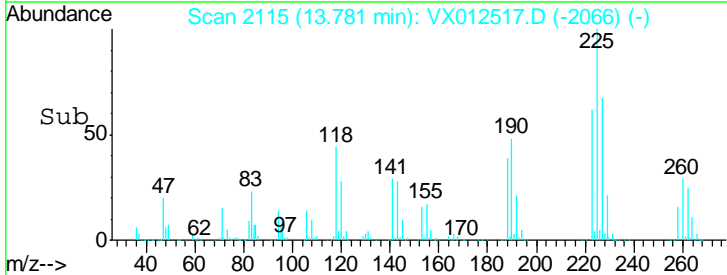


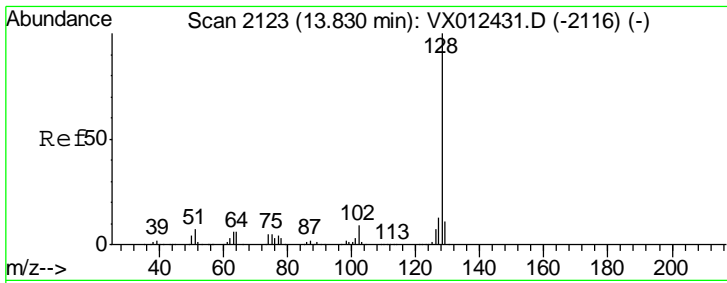
#94
 Hexachlorobutadiene
 Concen: 49.968 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30



Tgt Ion:225 Resp: 67637

Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.0	96.2
227	64.9	31.9	95.5



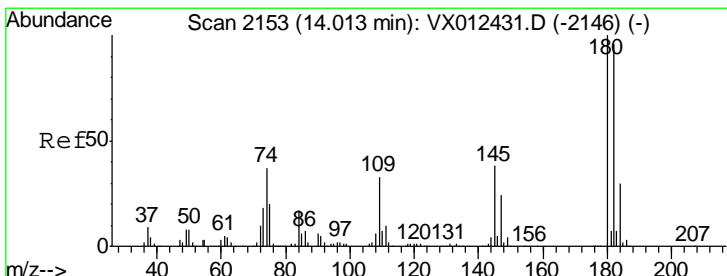
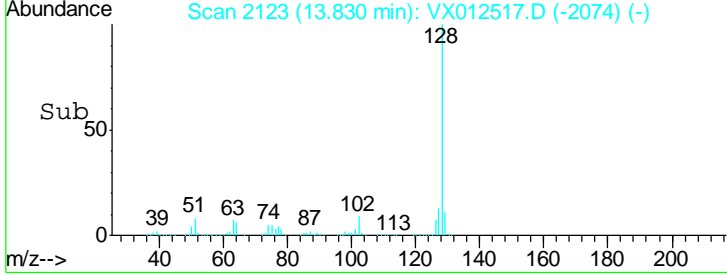
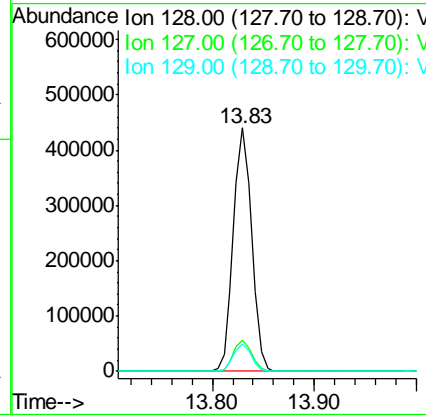
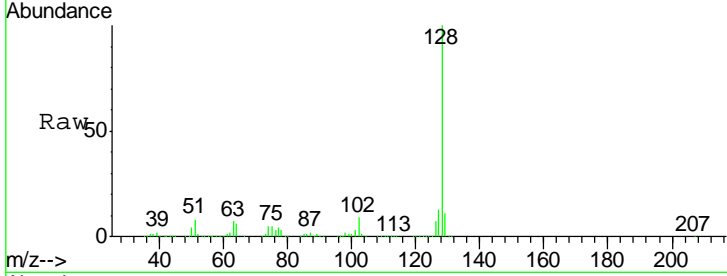


#95
 Naphthalene
 Concen: 53.349 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Instrument : MSVOA_X
 Client Sampled : VSTDC050

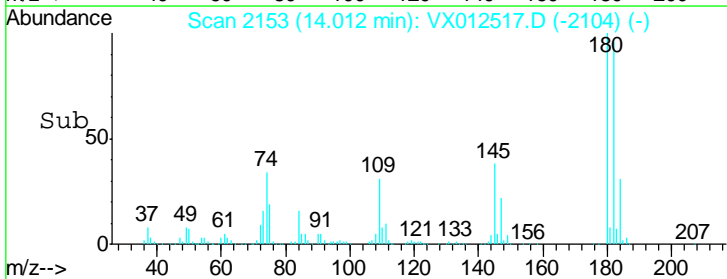
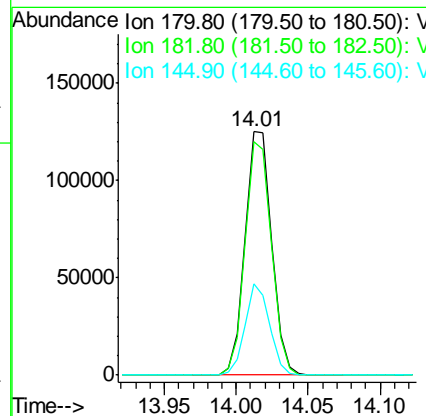
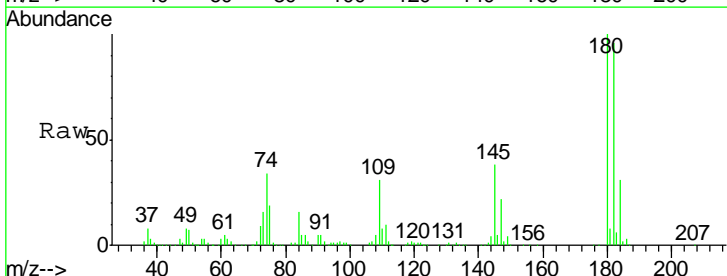
Tgt Ion	Resp	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.8	13.2

Manual Integrations
APPROVED
 MMDadoda
 9/20/2019 11:43:37 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 54.724 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX012517.D
 Acq: 19 Sep 2019 10:30

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.9	47.1	141.3
145	34.7	18.0	54.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	121	0.00
2 T	Dichlorodifluoromethane	50.000	49.620	0.8	116	0.00
3 P	Chloromethane	50.000	47.915	4.2	110	0.00
4 C	Vinyl Chloride	50.000	49.394	1.2#	113	0.00
5 T	Bromomethane	50.000	44.059	11.9	113	0.00
6 T	Chloroethane	50.000	45.313	9.4	117	0.00
7 T	Trichlorofluoromethane	50.000	52.299	-4.6	118	0.00
8 T	Diethyl Ether	50.000	47.545	4.9	111	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.605	-1.2	119	0.00
10 T	Methyl Iodide	50.000	44.303	11.4	108	0.00
11 T	Tert butyl alcohol	250.000	209.854	16.1	99	0.00
12 CM	1,1-Dichloroethene	50.000	48.718	2.6#	112	0.00
13 T	Acrolein	250.000	208.539	16.6	107	0.00
14 T	Allyl chloride	50.000	47.539	4.9	108	0.00
15 T	Acrylonitrile	250.000	230.791	7.7	107	0.00
16 T	Acetone	250.000	267.198	-6.9	121	0.00
17 T	Carbon Disulfide	50.000	43.685	12.6	104	0.00
18 T	Methyl Acetate	50.000	45.526	8.9	106	0.00
19 T	Methyl tert-butyl Ether	50.000	48.665	2.7	114	0.00
20 T	Methylene Chloride	50.000	47.668	4.7	115	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.474	1.1	113	0.00
22 T	Diisopropyl ether	50.000	48.555	2.9	114	0.00
23 T	Vinyl Acetate	250.000	245.398	1.8	110	0.00
24 P	1,1-Dichloroethane	50.000	49.755	0.5	114	0.00
25 T	2-Butanone	250.000	232.314	7.1	110	0.00
26 T	2,2-Dichloropropane	50.000	47.797	4.4	112	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.292	1.4	116	0.00
28 T	Bromochloromethane	50.000	47.831	4.3	120	0.00
29 T	Tetrahydrofuran	250.000	229.037	8.4	103	0.00
30 C	Chloroform	50.000	47.846	4.3#	115	0.00
31 T	Cyclohexane	50.000	49.444	1.1	112	0.00
32 T	1,1,1-Trichloroethane	50.000	48.792	2.4	113	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.245	-0.5	132	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	116	0.00
35 S	Dibromofluoromethane	50.000	54.730	-9.5	137	0.00
36 T	1,1-Dichloropropene	50.000	51.877	-3.8	115	0.00
37 T	Ethyl Acetate	50.000	50.369	-0.7	105	0.00
38 T	Carbon Tetrachloride	50.000	51.130	-2.3	113	0.00
39 T	Methylcyclohexane	50.000	54.798	-9.6	115	0.00
40 TM	Benzene	50.000	51.449	-2.9	114	0.00
41 T	Methacrylonitrile	50.000	47.391	5.2	107	0.00
42 TM	1,2-Dichloroethane	50.000	49.607	0.8	112	0.00
43 T	Isopropyl Acetate	50.000	48.613	2.8	107	0.00
44 TM	Trichloroethene	50.000	53.464	-6.9	117	0.00
45 C	1,2-Dichloropropane	50.000	50.626	-1.3#	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	51.715	-3.4	116	0.00
47 T	Bromodichloromethane	50.000	51.426	-2.9	112	0.00
48 T	Methyl methacrylate	50.000	48.637	2.7	106	0.00
49 T	1,4-Dioxane	1000.000	932.397	6.8	105	0.00
50 S	Toluene-d8	50.000	54.270	-8.5	136	0.00
51 T	4-Methyl-2-Pentanone	250.000	237.488	5.0	104	0.00
52 CM	Toluene	50.000	52.492	-5.0#	115	0.00
53 T	t-1,3-Dichloropropene	50.000	51.920	-3.8	111	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.043	-4.1	111	0.00
55 T	1,1,2-Trichloroethane	50.000	50.293	-0.6	114	0.00
56 T	Ethyl methacrylate	50.000	50.716	-1.4	111	0.00
57 T	1,3-Dichloropropane	50.000	51.523	-3.0	114	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	258.841	-3.5	117	0.00
59 T	2-Hexanone	250.000	240.947	3.6	105	0.00
60 T	Dibromochloromethane	50.000	53.412	-6.8	112	0.00
61 T	1,2-Dibromoethane	50.000	53.029	-6.1	113	0.00
62 S	4-Bromofluorobenzene	50.000	53.622	-7.2	135	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	117	0.00
64 T	Tetrachloroethene	50.000	58.535	-17.1	129	0.00
65 PM	Chlorobenzene	50.000	51.998	-4.0	118	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.544	-5.1	115	0.00
67 C	Ethyl Benzene	50.000	52.837	-5.7#	115	0.00
68 T	m/p-Xylenes	100.000	107.545	-7.5	117	0.00
69 T	o-Xylene	50.000	53.244	-6.5	116	0.00
70 T	Styrene	50.000	53.969	-7.9	116	0.00
71 P	Bromoform	50.000	46.372	7.3	111	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	118	0.00
73 T	Isopropylbenzene	50.000	51.563	-3.1	115	0.00
74 T	N-amyl acetate	50.000	49.069	1.9	107	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.401	3.2	109	0.00
76 T	1,2,3-Trichloropropane	50.000	42.514	15.0	93	0.00
77 T	Bromobenzene	50.000	51.810	-3.6	117	0.00
78 T	n-propylbenzene	50.000	52.314	-4.6	115	0.00
79 T	2-Chlorotoluene	50.000	49.605	0.8	114	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.002	-4.0	115	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.684	8.6	106	0.00
82 T	4-Chlorotoluene	50.000	51.733	-3.5	117	0.00
83 T	tert-Butylbenzene	50.000	50.317	-0.6	114	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.211	-4.4	116	0.00
85 T	sec-Butylbenzene	50.000	52.256	-4.5	115	0.00
86 T	p-Isopropyltoluene	50.000	53.153	-6.3	116	0.00
87 T	1,3-Dichlorobenzene	50.000	52.641	-5.3	119	0.00
88 T	1,4-Dichlorobenzene	50.000	51.798	-3.6	118	0.00
89 T	n-Butylbenzene	50.000	52.014	-4.0	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	51.844	-3.7	111	0.00
91 T	1,2-Dichlorobenzene	50.000	51.186	-2.4	115	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.836	2.3	105	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.890	-9.8	118	0.00
94 T	Hexachlorobutadiene	50.000	49.968	0.1	113	0.00
95 T	Naphthalene	50.000	53.349	-6.7	112	0.00
96 T	1,2,3-Trichlorobenzene	50.000	54.724	-9.4	118	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	121	0.00
2 T	Dichlorodifluoromethane	0.302	0.331	-9.6	116	0.00
3 P	Chloromethane	0.275	0.263	4.4	110	0.00
4 C	Vinyl Chloride	0.297	0.294	1.0#	113	0.00
5 T	Bromomethane	0.117	0.103	12.0	113	0.00
6 T	Chloroethane	0.232	0.211	9.1	117	0.00
7 T	Trichlorofluoromethane	0.545	0.570	-4.6	118	0.00
8 T	Diethyl Ether	0.246	0.234	4.9	111	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.394	0.399	-1.3	119	0.00
10 T	Methyl Iodide	0.301	0.296	1.7	108	0.00
11 T	Tert butyl alcohol	0.193	0.153	20.7#	99	0.00
12 CM	1,1-Dichloroethene	0.314	0.306	2.5#	112	0.00
13 T	Acrolein	0.069	0.053	23.2#	107	0.00
14 T	Allyl chloride	0.732	0.696	4.9	108	0.00
15 T	Acrylonitrile	0.311	0.287	7.7	107	0.00
16 T	Acetone	0.363	0.349	3.9	121	0.00
17 T	Carbon Disulfide	0.389	0.386	0.8	104	0.00
18 T	Methyl Acetate	0.747	0.680	9.0	106	0.00
19 T	Methyl tert-butyl Ether	1.714	1.668	2.7	114	0.00
20 T	Methylene Chloride	0.434	0.413	4.8	115	0.00
21 T	trans-1,2-Dichloroethene	0.326	0.323	0.9	113	0.00
22 T	Diisopropyl ether	1.714	1.664	2.9	114	0.00
23 T	Vinyl Acetate	1.410	1.384	1.8	110	0.00
24 P	1,1-Dichloroethane	0.820	0.816	0.5	114	0.00
25 T	2-Butanone	0.497	0.462	7.0	110	0.00
26 T	2,2-Dichloropropane	0.806	0.771	4.3	112	0.00
27 T	cis-1,2-Dichloroethene	0.488	0.481	1.4	116	0.00
28 T	Bromochloromethane	0.423	0.404	4.5	120	0.00
29 T	Tetrahydrofuran	0.275	0.252	8.4	103	0.00
30 C	Chloroform	0.942	0.901	4.4#	115	0.00
31 T	Cyclohexane	0.495	0.489	1.2	112	0.00
32 T	1,1,1-Trichloroethane	0.787	0.768	2.4	113	0.00
33 S	1,2-Dichloroethane-d4	0.717	0.720	-0.4	132	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	116	0.00
35 S	Dibromofluoromethane	0.303	0.331	-9.2	137	0.00
36 T	1,1-Dichloropropene	0.304	0.315	-3.6	115	0.00
37 T	Ethyl Acetate	0.466	0.470	-0.9	105	0.00
38 T	Carbon Tetrachloride	0.378	0.386	-2.1	113	0.00
39 T	Methylcyclohexane	0.295	0.324	-9.8	115	0.00
40 TM	Benzene	0.966	0.994	-2.9	114	0.00
41 T	Methacrylonitrile	0.300	0.285	5.0	107	0.00
42 TM	1,2-Dichloroethane	0.448	0.445	0.7	112	0.00
43 T	Isopropyl Acetate	0.837	0.814	2.7	107	0.00
44 TM	Trichloroethene	0.254	0.272	-7.1	117	0.00
45 C	1,2-Dichloropropane	0.297	0.301	-1.3#	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.192	0.199	-3.6	116	0.00
47 T	Bromodichloromethane	0.428	0.440	-2.8	112	0.00
48 T	Methyl methacrylate	0.395	0.384	2.8	106	0.00
49 T	1,4-Dioxane	0.010	0.009	10.0	105	0.00
50 S	Toluene-d8	1.120	1.216	-8.6	136	0.00
51 T	4-Methyl-2-Pentanone	0.549	0.522	4.9	104	0.00
52 CM	Toluene	0.623	0.654	-5.0#	115	0.00
53 T	t-1,3-Dichloropropene	0.445	0.462	-3.8	111	0.00
54 T	cis-1,3-Dichloropropene	0.460	0.479	-4.1	111	0.00
55 T	1,1,2-Trichloroethane	0.321	0.323	-0.6	114	0.00
56 T	Ethyl methacrylate	0.502	0.509	-1.4	111	0.00
57 T	1,3-Dichloropropane	0.512	0.527	-2.9	114	0.00
58 T	2-Chloroethyl Vinyl ether	0.260	0.269	-3.5	117	0.00
59 T	2-Hexanone	0.428	0.413	3.5	105	0.00
60 T	Dibromochloromethane	0.327	0.349	-6.7	112	0.00
61 T	1,2-Dibromoethane	0.293	0.311	-6.1	113	0.00
62 S	4-Bromofluorobenzene	0.465	0.499	-7.3	135	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	117	0.00
64 T	Tetrachloroethene	0.229	0.268	-17.0	129	0.00
65 PM	Chlorobenzene	0.825	0.858	-4.0	118	0.00
66 T	1,1,1,2-Tetrachloroethane	0.342	0.360	-5.3	115	0.00
67 C	Ethyl Benzene	1.418	1.498	-5.6#	115	0.00
68 T	m/p-Xylenes	0.516	0.555	-7.6	117	0.00
69 T	o-Xylene	0.531	0.565	-6.4	116	0.00
70 T	Styrene	0.939	1.013	-7.9	116	0.00
71 P	Bromoform	0.256	0.272	-6.3	111	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00
73 T	Isopropylbenzene	3.137	3.235	-3.1	115	0.00
74 T	N-amyl acetate	1.689	1.658	1.8	107	0.00
75 P	1,1,2,2-Tetrachloroethane	1.231	1.191	3.2	109	0.00
76 T	1,2,3-Trichloropropane	1.149	0.977	15.0	93	0.00
77 T	Bromobenzene	0.765	0.793	-3.7	117	0.00
78 T	n-propylbenzene	3.497	3.658	-4.6	115	0.00
79 T	2-Chlorotoluene	2.275	2.257	0.8	114	0.00
80 T	1,3,5-Trimethylbenzene	2.676	2.783	-4.0	115	0.00
81 T	trans-1,4-Dichloro-2-butene	0.387	0.380	1.8	106	0.00
82 T	4-Chlorotoluene	2.611	2.701	-3.4	117	0.00
83 T	tert-Butylbenzene	2.867	2.885	-0.6	114	0.00
84 T	1,2,4-Trimethylbenzene	2.747	2.869	-4.4	116	0.00
85 T	sec-Butylbenzene	3.159	3.302	-4.5	115	0.00
86 T	p-Isopropyltoluene	2.901	3.084	-6.3	116	0.00
87 T	1,3-Dichlorobenzene	1.439	1.515	-5.3	119	0.00
88 T	1,4-Dichlorobenzene	1.478	1.532	-3.7	118	0.00
89 T	n-Butylbenzene	2.588	2.693	-4.1	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091919\
 Data File : VX012517.D
 Acq On : 19 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 04:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.532	0.552	-3.8	111	0.00
91 T	1,2-Dichlorobenzene	1.504	1.540	-2.4	115	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.319	0.312	2.2	105	0.00
93 T	1,2,4-Trichlorobenzene	0.969	1.064	-9.8	118	0.00
94 T	Hexachlorobutadiene	0.457	0.456	0.2	113	0.00
95 T	Naphthalene	3.448	3.679	-6.7	112	0.00
96 T	1,2,3-Trichlorobenzene	0.987	1.081	-9.5	118	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG No.: K4888
 Instrument ID: MSVOA_X Calibration Date/Time: 09/20/2019 10:16
 Lab File ID: VX012545.D Init. Calib. Date(s): 09/17/2019 09/17/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:59 13:56
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.302	0.310		2.65	20
Chloromethane	0.275	0.269	0.1	-2.18	20
Vinyl Chloride	0.297	0.288		-3.03	20
Bromomethane	0.117	0.113		-3.42	20
Chloroethane	0.232	0.205		-11.64	20
Trichlorofluoromethane	0.545	0.557		2.2	20
1,1,2-Trichlorotrifluoroethane	0.394	0.355		-9.9	20
1,1-Dichloroethene	0.314	0.280		-10.83	20
Acetone	0.363	0.356		-1.93	20
Carbon Disulfide	0.389	0.380		-2.31	20
Methyl tert-butyl Ether	1.714	1.752		2.22	20
Methyl Acetate	0.747	0.737		-1.34	20
Methylene Chloride	0.434	0.426		-1.84	20
trans-1,2-Dichloroethene	0.326	0.325		-0.31	20
1,1-Dichloroethane	0.820	0.824	0.1	0.49	20
Cyclohexane	0.495	0.496		0.2	20
2-Butanone	0.497	0.488		-1.81	20
Carbon Tetrachloride	0.378	0.372		-1.59	20
cis-1,2-Dichloroethene	0.488	0.495		1.43	20
Bromochloromethane	0.423	0.423		0	20
Chloroform	0.942	0.909		-3.5	20
1,1,1-Trichloroethane	0.787	0.770		-2.16	20
Methylcyclohexane	0.295	0.303		2.71	20
Benzene	0.966	1.000		3.52	20
1,2-Dichloroethane	0.448	0.459		2.45	20
Trichloroethene	0.254	0.268		5.51	20
1,2-Dichloropropane	0.297	0.307		3.37	20
Bromodichloromethane	0.428	0.453		5.84	20
4-Methyl-2-Pentanone	0.549	0.558		1.64	20
Toluene	0.623	0.655		5.14	20
t-1,3-Dichloropropene	0.445	0.479		7.64	20
cis-1,3-Dichloropropene	0.460	0.511		11.09	20
1,1,2-Trichloroethane	0.321	0.337		4.98	20
2-Hexanone	0.428	0.435		1.64	20
Dibromochloromethane	0.327	0.355		8.56	20
1,2-Dibromoethane	0.293	0.319		8.87	20
Tetrachloroethene	0.229	0.272		18.78	20
Chlorobenzene	0.825	0.862	0.3	4.49	20
Ethyl Benzene	1.418	1.487		4.87	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4888 SAS No.: K4888 SDG No.: K4888
 Instrument ID: MSVOA_X Calibration Date/Time: 09/20/2019 10:16
 Lab File ID: VX012545.D Init. Calib. Date(s): 09/17/2019 09/17/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:59 13:56
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.516	0.542		5.04	20
o-Xylene	0.531	0.560		5.46	20
Styrene	0.939	1.012		7.77	20
Bromoform	0.256	0.286	0.1	11.72	20
Isopropylbenzene	3.137	3.170		1.05	20
1,1,2,2-Tetrachloroethane	1.231	1.224	0.3	-0.57	20
1,3-Dichlorobenzene	1.439	1.491		3.61	20
1,4-Dichlorobenzene	1.478	1.521		2.91	20
1,2-Dichlorobenzene	1.504	1.509		0.33	20
1,2-Dibromo-3-Chloropropane	0.319	0.321		0.63	20
1,2,4-Trichlorobenzene	0.969	1.046		7.95	20
1,2,3-Trichlorobenzene	0.987	1.054		6.79	20
1,2-Dichloroethane-d4	0.717	0.684		-4.6	20
Dibromofluoromethane	0.303	0.306		0.99	20
Toluene-d8	1.120	1.108		-1.07	20
4-Bromofluorobenzene	0.465	0.454		-2.37	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 11:29:30 AM

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	186442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	274572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	136527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	127460	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	= 95.40%		
35) Dibromofluoromethane	5.48	113	93455	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	= 101.02%		
50) Toluene-d8	8.71	98	338789	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	= 98.94%		
62) 4-Bromofluorobenzene	11.13	95	138664	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	= 97.52%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57799	46.494	ug/l	99
3) Chloromethane	1.31	50	50117	48.894	ug/l	100
4) Vinyl Chloride	1.40	62	53694	48.467	ug/l	100
5) Bromomethane	1.62	94	21008	48.267	ug/l	95
6) Chloroethane	1.71	64	38198	44.061	ug/l	97
7) Trichlorofluoromethane	1.92	101	103883	51.153	ug/l	99
8) Diethyl Ether	2.18	74	46515	50.710	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	66269	45.100	ug/l	99
10) Methyl Iodide	2.50	142	59226	47.239	ug/l	98
11) Tert butyl alcohol	3.03	59	151532	222.989	ug/l	100
12) 1,1-Dichloroethene	2.36	96	52126	44.470	ug/l	99
13) Acrolein	2.28	56	55498	236.438	ug/l	100
14) Allyl chloride	2.72	41	135517	49.658	ug/l	100
15) Acrylonitrile	3.12	53	288590	249.232	ug/l	99
16) Acetone	2.43	43	331467	272.192	ug/l	99
17) Carbon Disulfide	2.56	76	70813	42.980	ug/l	100
18) Methyl Acetate	2.76	43	137464	49.369	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	326561	51.096	ug/l	97
20) Methylene Chloride	2.84	84	79478	49.147	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	60507	49.709	ug/l	96
22) Diisopropyl ether	3.84	45	323095	50.565	ug/l	98
23) Vinyl Acetate	3.80	43	1373168	261.247	ug/l	99
24) 1,1-Dichloroethane	3.68	63	153597	50.241	ug/l	99
25) 2-Butanone	4.65	43	455371	245.678	ug/l	99
26) 2,2-Dichloropropane	4.56	77	140188	46.625	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	92360	50.794	ug/l	97
28) Bromochloromethane	5.00	49	78779	49.983	ug/l	98
29) Tetrahydrofuran	5.11	42	256720	250.713	ug/l	100
30) Chloroform	5.19	83	169517	48.280	ug/l	99
31) Cyclohexane	5.56	56	92502	50.122	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	143591	48.931	ug/l	99
36) 1,1-Dichloropropene	5.78	75	92308	49.685	ug/l	97
37) Ethyl Acetate	4.81	43	151441	53.104	ug/l	99
38) Carbon Tetrachloride	5.76	117	113762	49.234	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 11:29:30 AM

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	92728	51.342	ug/l	99
40) Benzene	6.12	78	305646	51.736	ug/l	96
41) Methacrylonitrile	5.02	41	90484	49.276	ug/l	98
42) 1,2-Dichloroethane	6.18	62	140224	51.174	ug/l	100
43) Isopropyl Acetate	6.43	43	263609	51.502	ug/l	100
44) Trichloroethene	7.20	130	81962	52.740	ug/l	98
45) 1,2-Dichloropropane	7.50	63	93963	51.769	ug/l	98
46) Dibromomethane	7.65	93	61629	52.470	ug/l	98
47) Bromodichloromethane	7.89	83	138392	52.917	ug/l	98
48) Methyl methacrylate	7.76	41	124793	51.722	ug/l	99
49) 1,4-Dioxane	7.73	88	58139	990.058	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	853602	254.303	ug/l	99
52) Toluene	8.78	92	200101	52.563	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	146553	53.908	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	156163	55.486	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	103119	52.578	ug/l	98
56) Ethyl methacrylate	9.17	69	161792	52.762	ug/l	99
57) 1,3-Dichloropropane	9.36	76	165831	52.994	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	440625	277.593	ug/l	99
59) 2-Hexanone	9.48	43	664680	253.818	ug/l	98
60) Dibromochloromethane	9.57	129	108630	54.376	ug/l	100
61) 1,2-Dibromoethane	9.67	107	97501	54.432	ug/l	100
64) Tetrachloroethene	9.33	164	74719	59.386	ug/l	94
65) Chlorobenzene	10.14	112	236792	52.251	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	102746	54.629	ug/l	99
67) Ethyl Benzene	10.25	91	408294	52.440	ug/l	98
68) m/p-Xylenes	10.35	106	297909	105.160	ug/l	100
69) o-Xylene	10.70	106	153636	52.734	ug/l	99
70) Styrene	10.71	104	277844	53.902	ug/l	100
71) Bromoform	10.85	173	78598	48.619	ug/l #	99
73) Isopropylbenzene	11.01	105	432750	50.518	ug/l	100
74) N-amyl acetate	10.89	43	238607	51.737	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	167139	49.739	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	164605m	52.487	ug/l	
77) Bromobenzene	11.25	156	107458	51.436	ug/l	99
78) n-propylbenzene	11.35	91	486113	50.915	ug/l	99
79) 2-Chlorotoluene	11.42	91	304928	49.093	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	370511	50.716	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52996	46.616	ug/l	98
82) 4-Chlorotoluene	11.51	91	361332	50.688	ug/l	99
83) tert-Butylbenzene	11.76	119	381798	48.771	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	381708	50.886	ug/l	99
85) sec-Butylbenzene	11.94	105	434414	50.360	ug/l	99
86) p-Isopropyltoluene	12.06	119	402734	50.844	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	203608	51.810	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	207657	51.441	ug/l	99
89) n-Butylbenzene	12.39	91	351884	49.789	ug/l	99
90) Hexachloroethane	12.59	117	71808	49.441	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	205955	50.142	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	43815	50.294	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 9/23/2019 11:29:30 AM

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	142755	53.958	ug/l	99
94) Hexachlorobutadiene	13.78	225	59878	48.020	ug/l	97
95) Naphthalene	13.83	128	509094	54.079	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	143841	53.353	ug/l	98

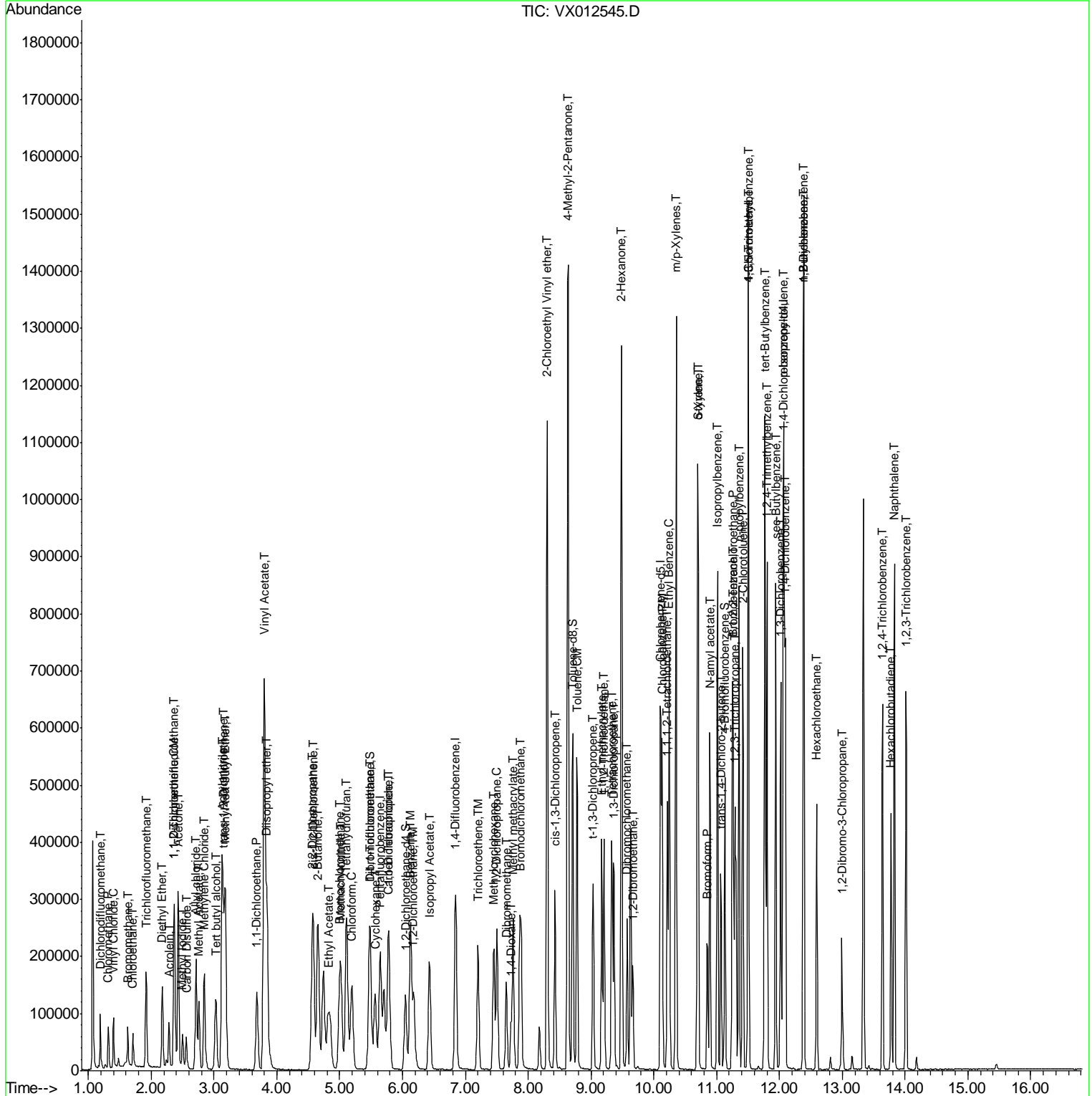
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

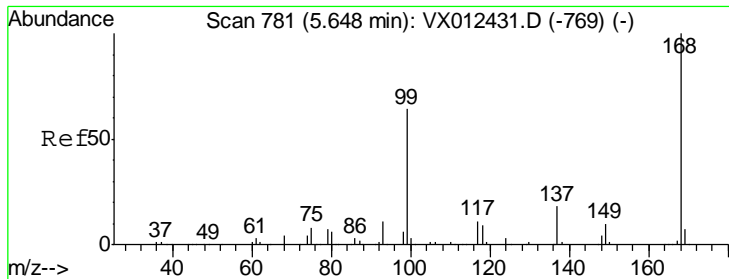
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDCCC050

Manual Integrations
 APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration



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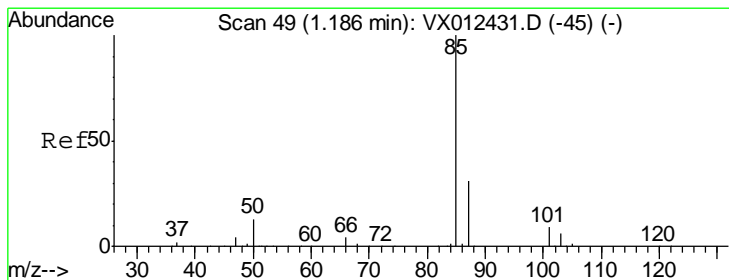
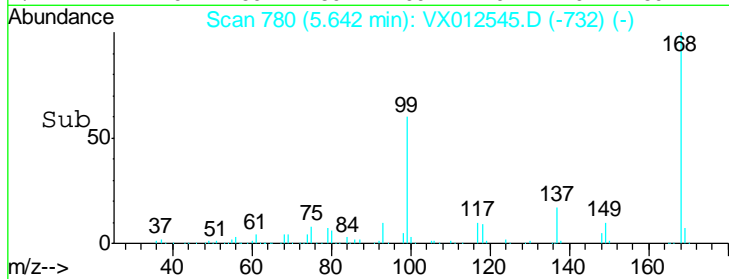
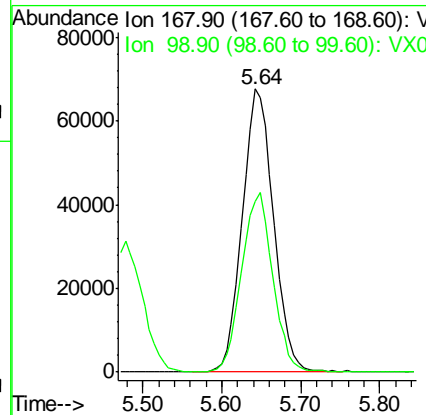
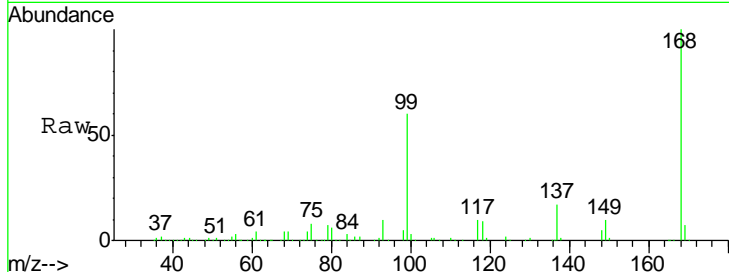


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
168	100		
99	60.1	51.4	77.2

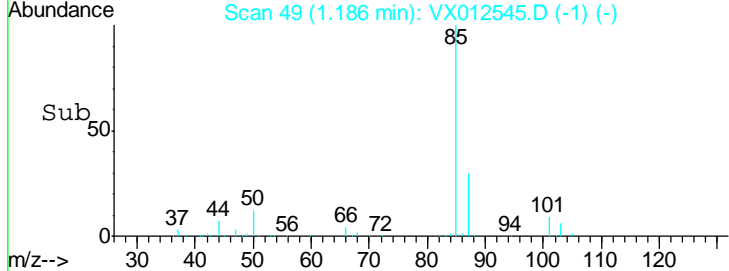
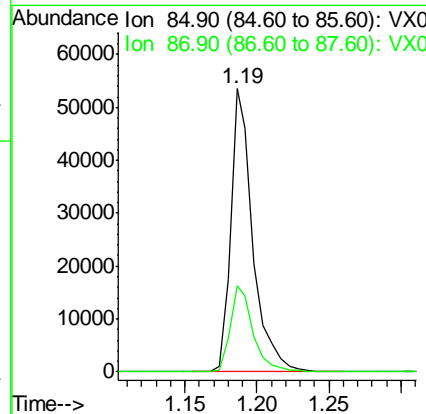
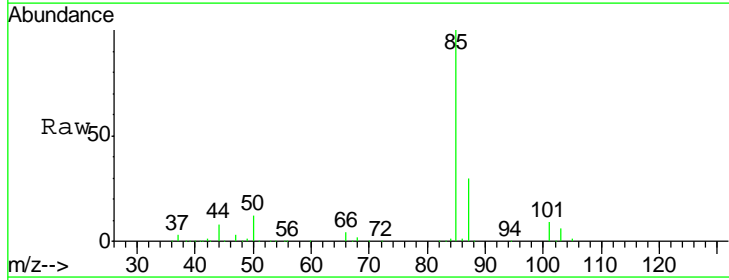
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

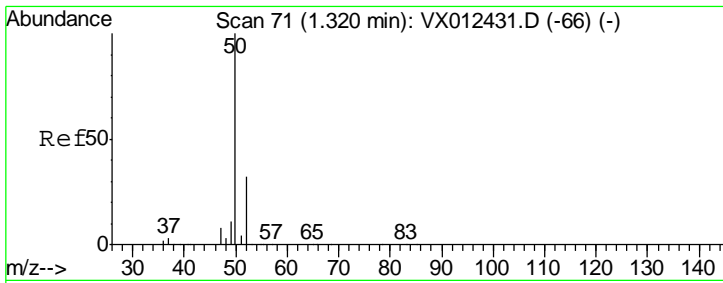
Manual Integrations APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM



#2
 Dichlorodifluoromethane
 Concen: 46.494 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.4	15.6	46.8



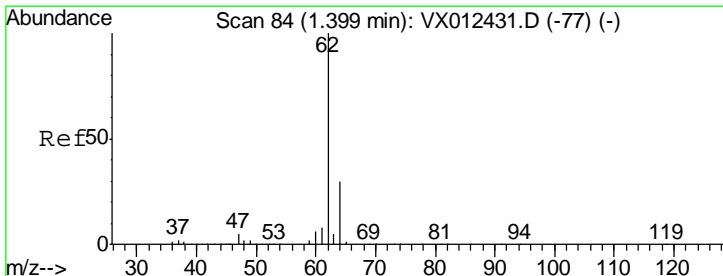
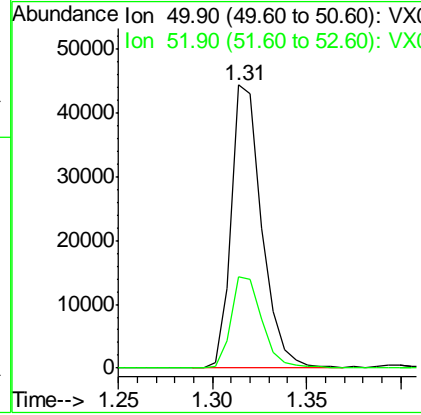
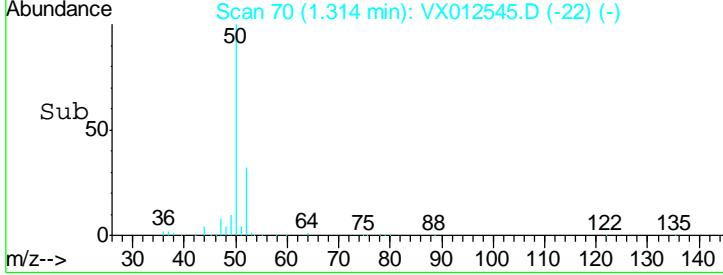
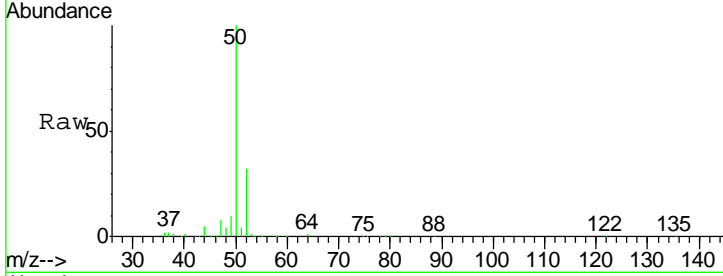


#3
 Chloromethane
 Concen: 48.894 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.2	25.7	38.5

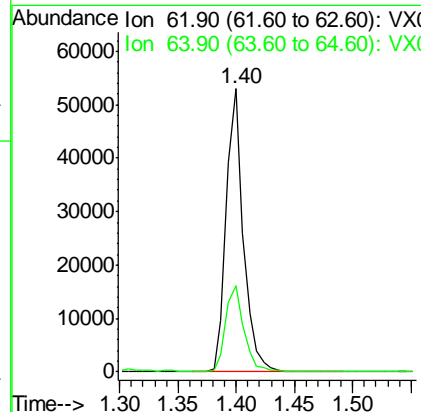
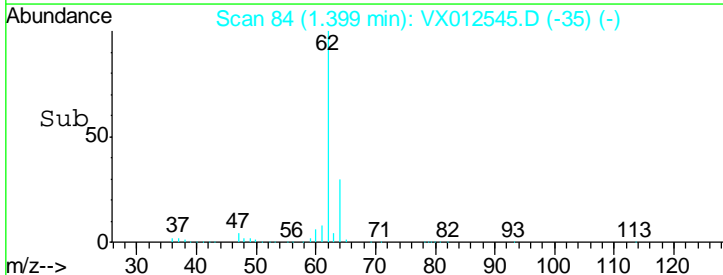
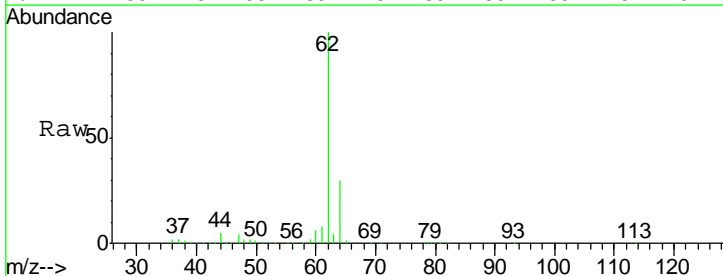
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

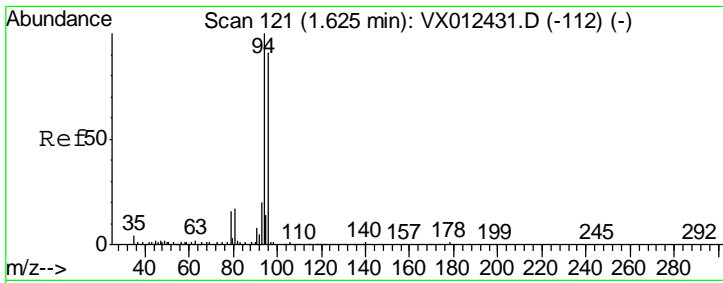
Manual Integrations
APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM



#4
 Vinyl Chloride
 Concen: 48.467 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
62	100		
64	30.3	24.2	36.2



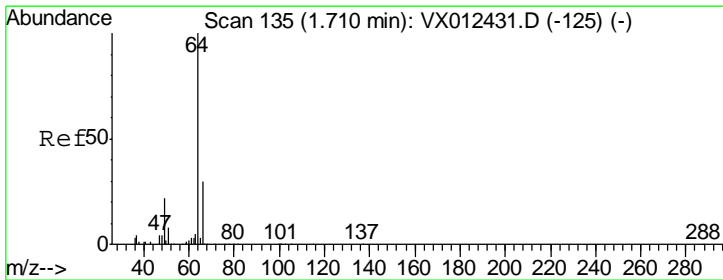
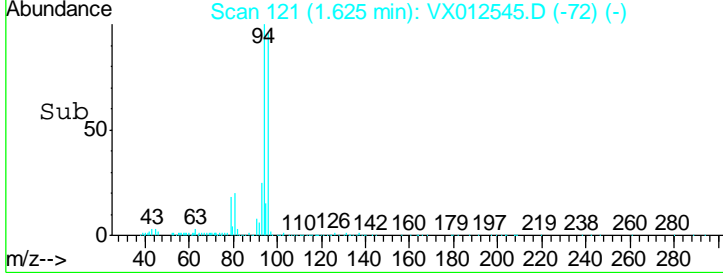
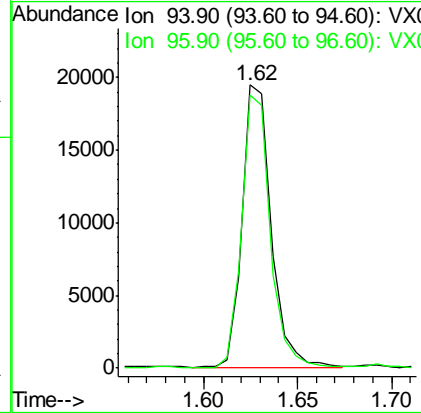
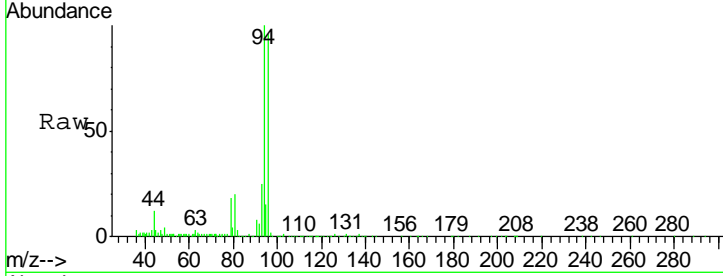


#5
 Bromomethane
 Concen: 48.267 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
94	21008		
94	100		
96	96.0	72.8	109.2

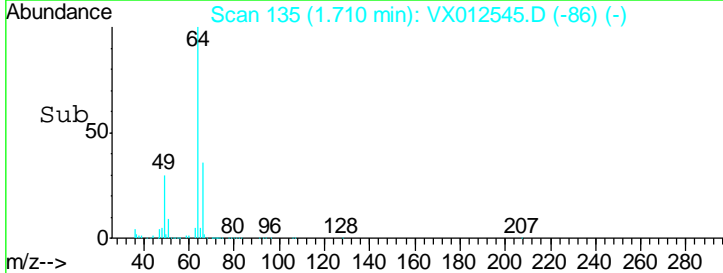
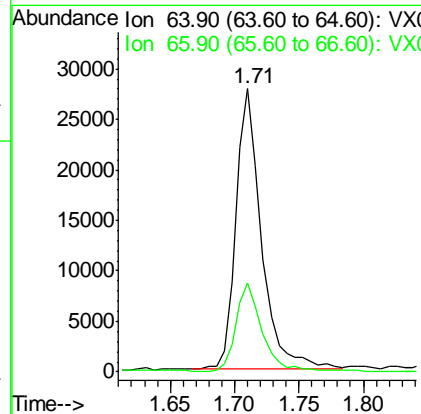
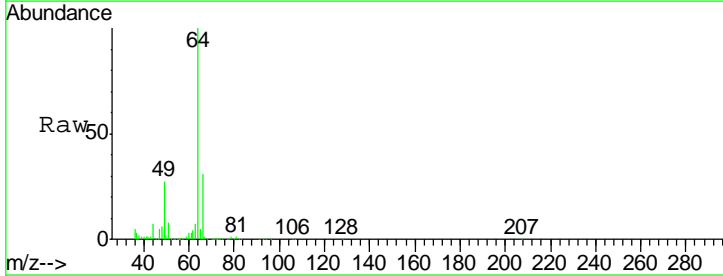
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

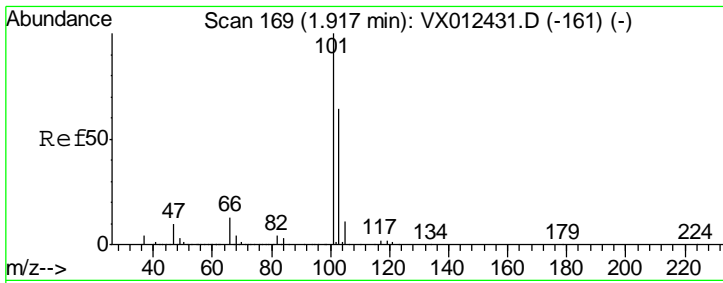
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#6
 Chloroethane
 Concen: 44.061 ug/l
 RT: 1.71 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
64	38198		
64	100		
66	31.6	24.0	36.0





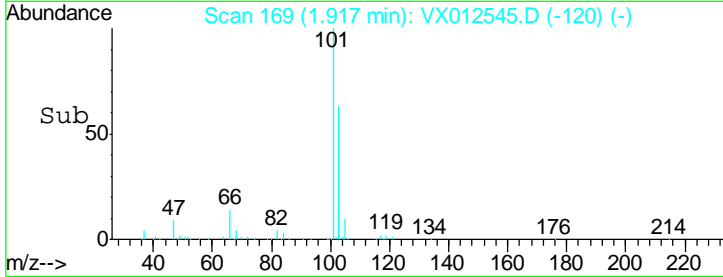
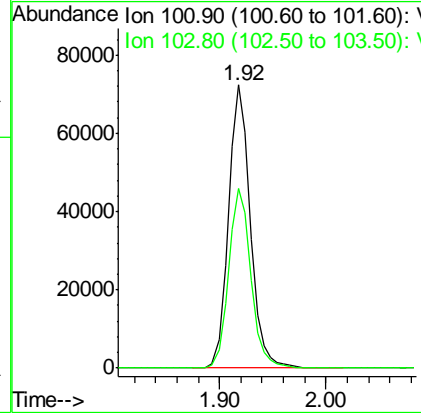
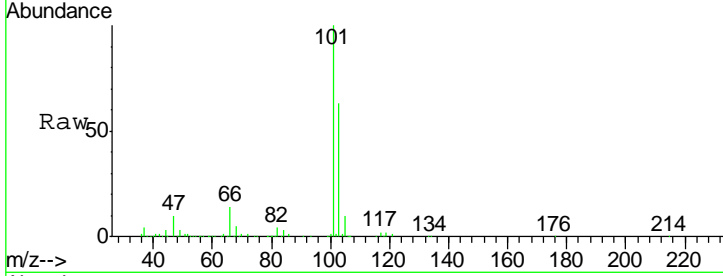
#7
 Trichlorofluoromethane
 Concen: 51.153 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
101	103883		
103	63.3	51.0	76.4

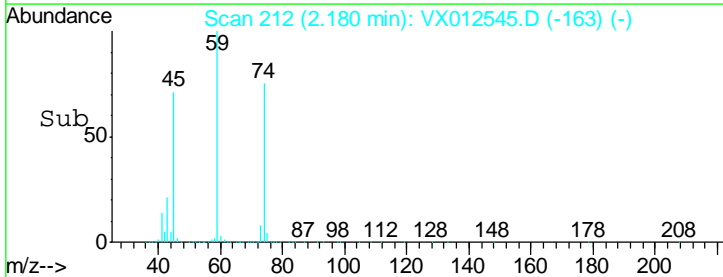
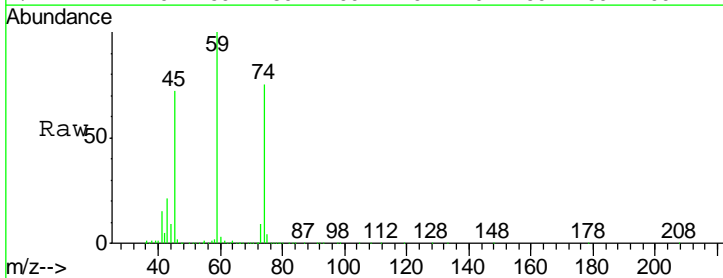
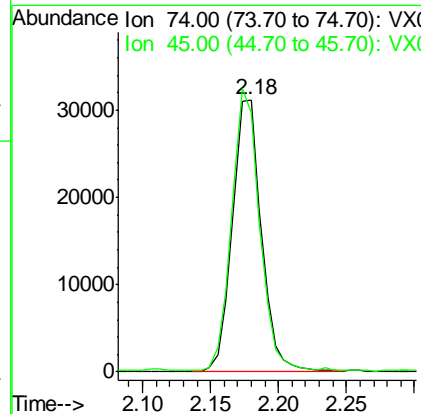
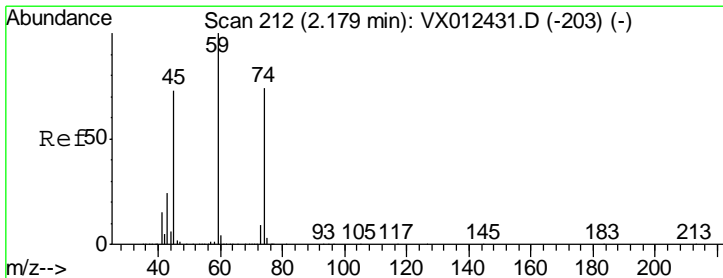
Manual Integrations
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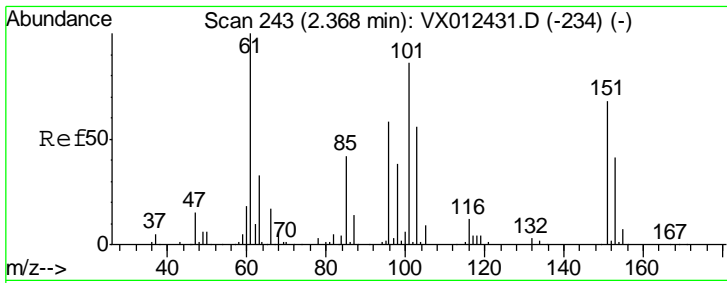
MMDadoda
 9/23/2019 11:29:30 AM



#8
 Diethyl Ether
 Concen: 50.710 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

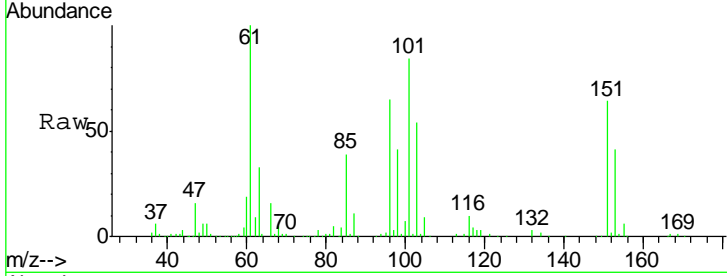
Tgt Ion	Resp	Lower	Upper
74	46515		
45	100.2	49.9	149.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.100 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

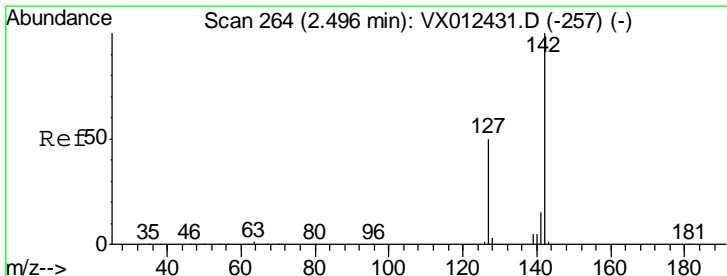
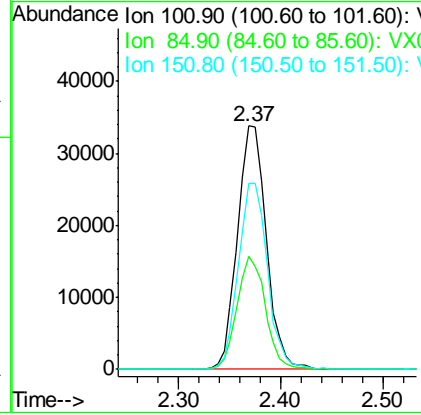
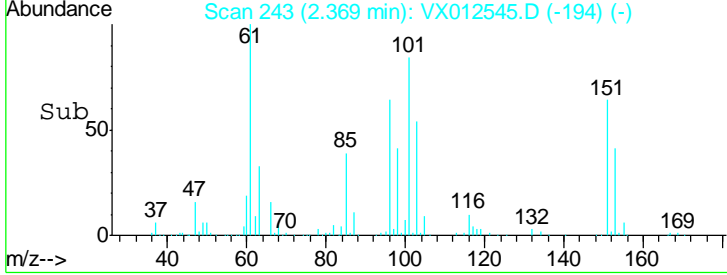
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050



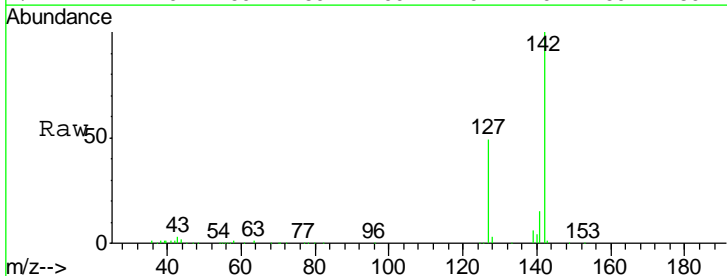
Tgt Ion: 101 Resp: 66269

Ion	Ratio	Lower	Upper
101	100		
85	45.6	37.3	55.9
151	77.0	61.0	91.4

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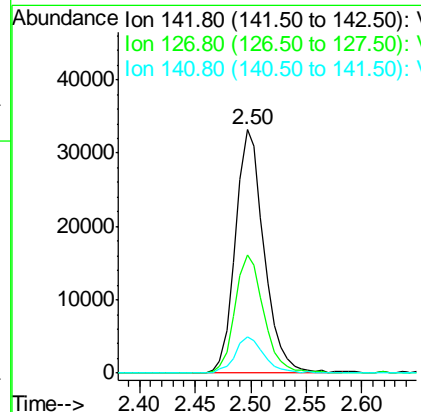
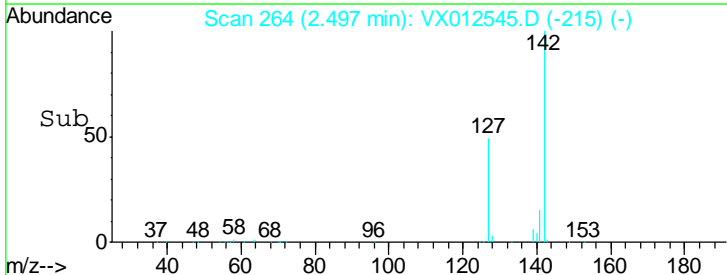


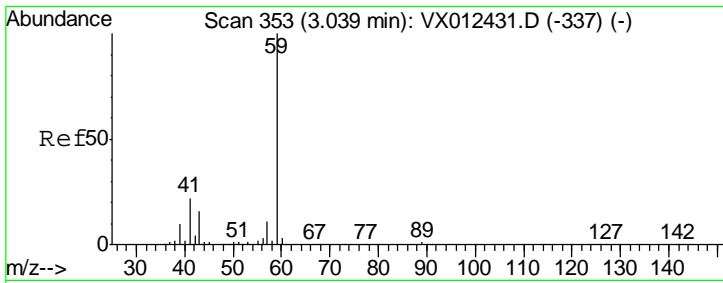
#10
 Methyl Iodide
 Concen: 47.239 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16



Tgt Ion: 142 Resp: 59226

Ion	Ratio	Lower	Upper
142	100		
127	48.9	40.8	61.2
141	15.0	12.1	18.1



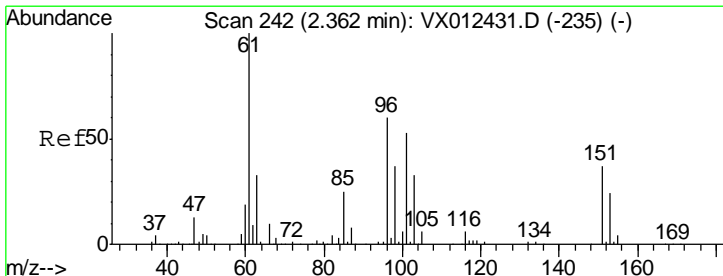
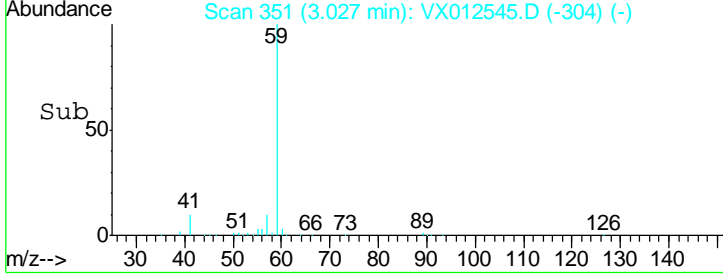
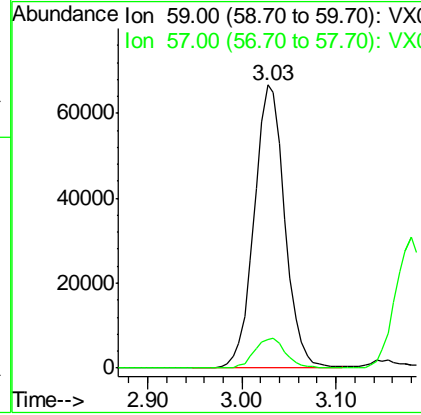
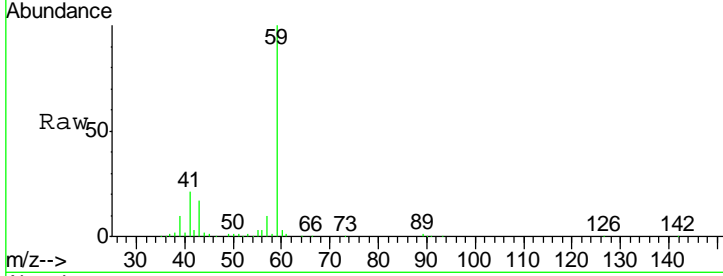


#11
 Tert butyl alcohol
 Concen: 222.989 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
59	151532		
57	10.6	8.3	12.5

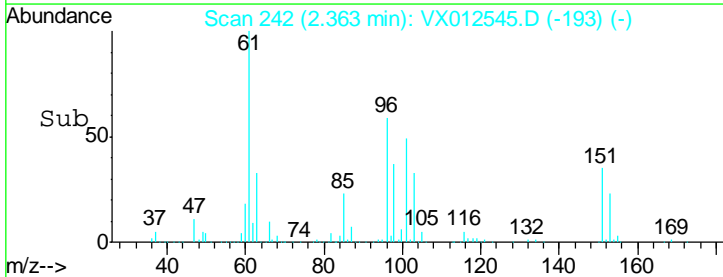
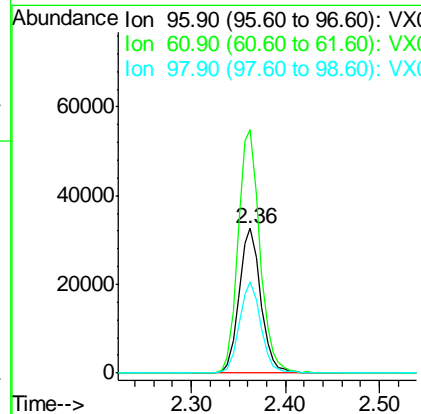
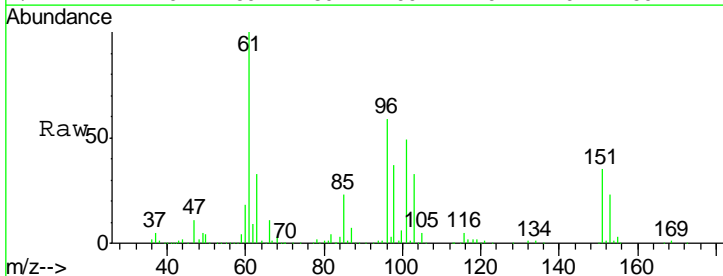
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

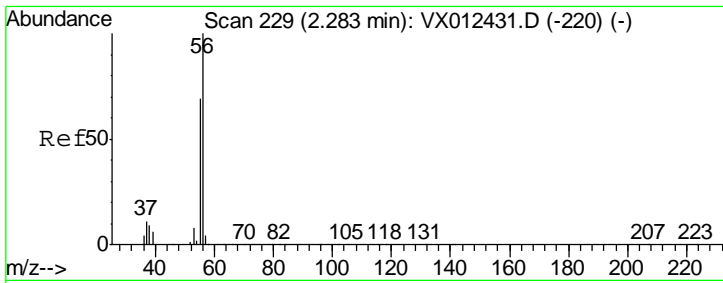
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#12
 1,1-Dichloroethene
 Concen: 44.470 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
96	52126		
61	168.1	133.8	200.6
98	62.7	49.9	74.9





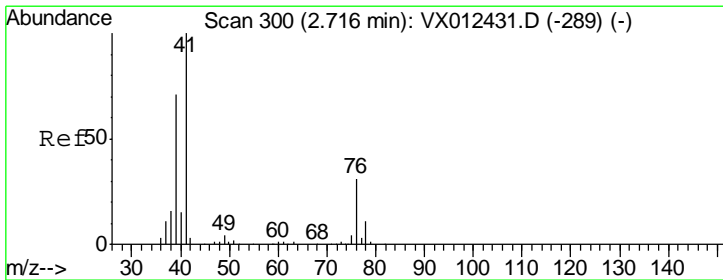
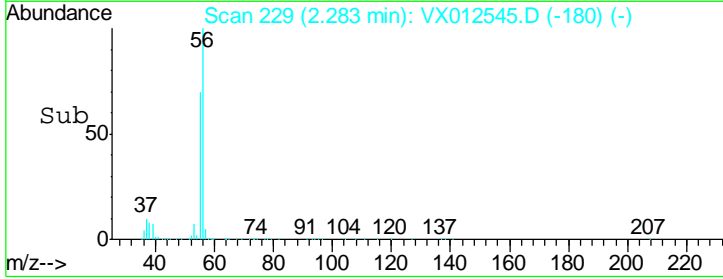
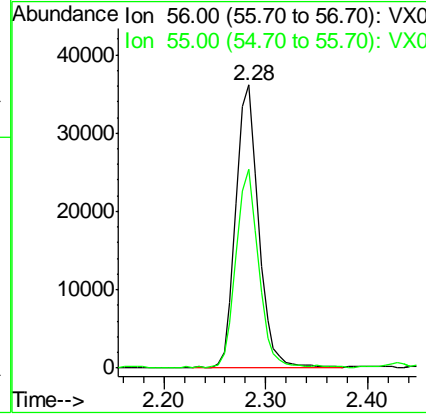
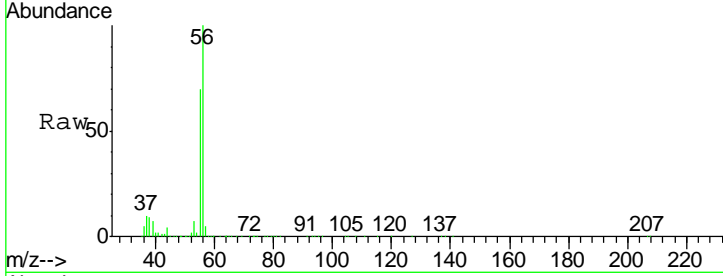
#13
 Acrolein
 Concen: 236.438 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.8	83.8

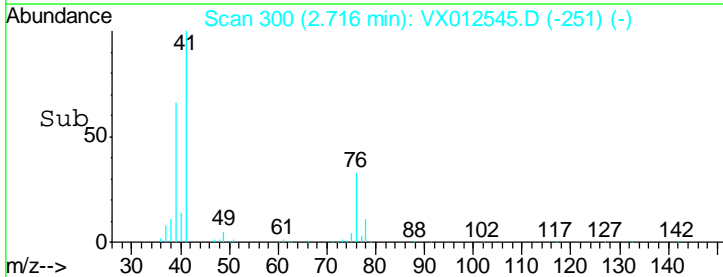
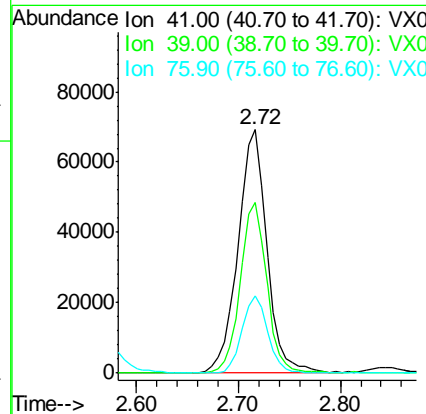
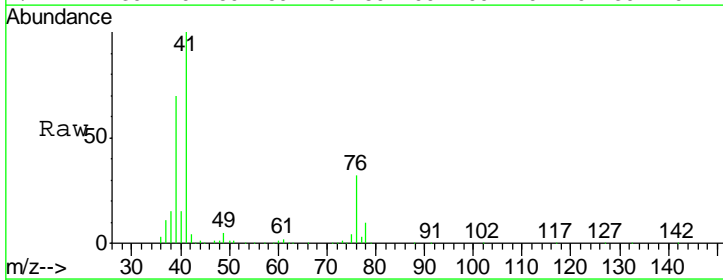
Manual Integrations
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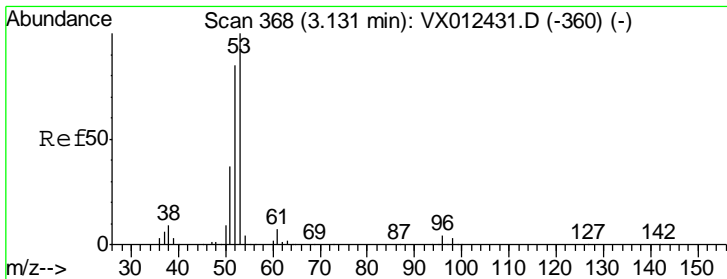
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 9/23/2019 11:29:30 AM



#14
 Allyl chloride
 Concen: 49.658 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.1	51.3	76.9
76	28.4	22.6	33.8





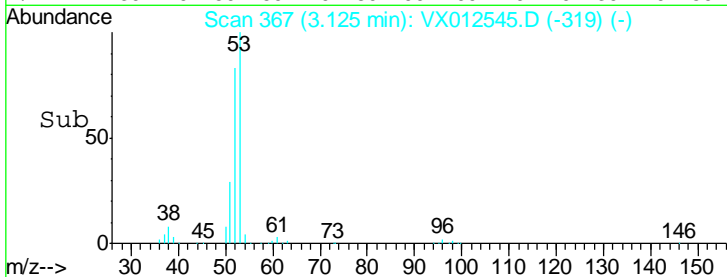
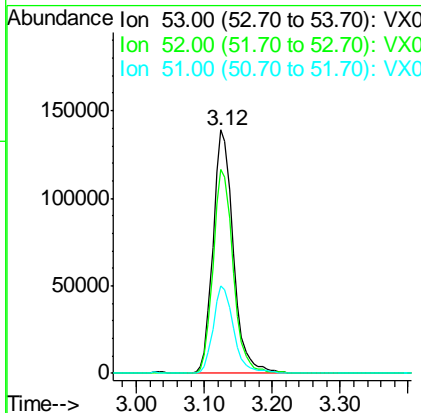
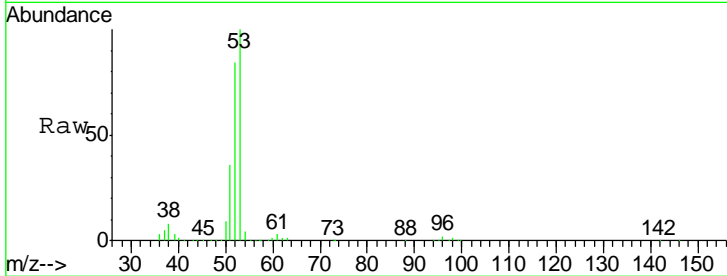
#15
 Acrylonitrile
 Concen: 249.232 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.1	67.0	100.4
51	36.3	29.6	44.4

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

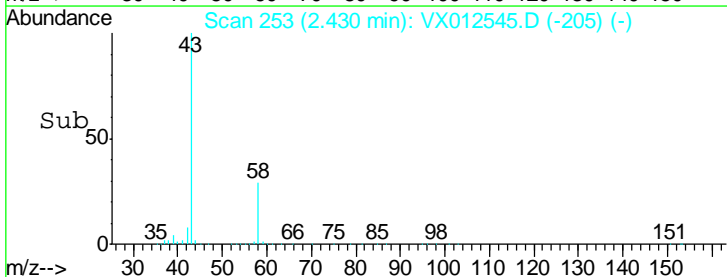
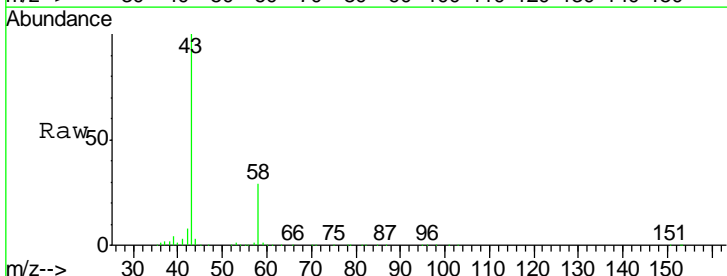
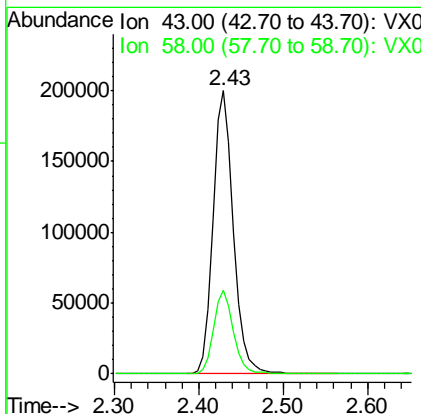
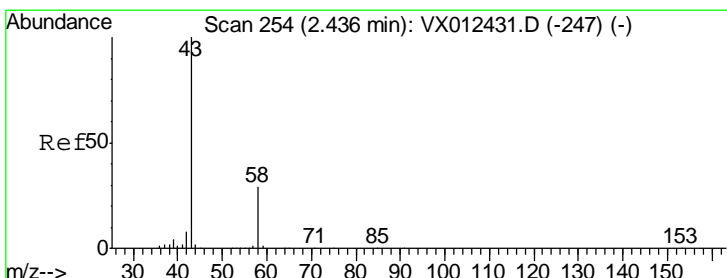
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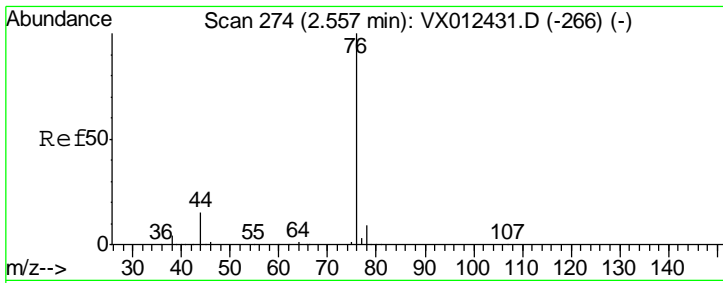
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#16
 Acetone
 Concen: 272.192 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
43	100		
58	29.4	23.3	34.9



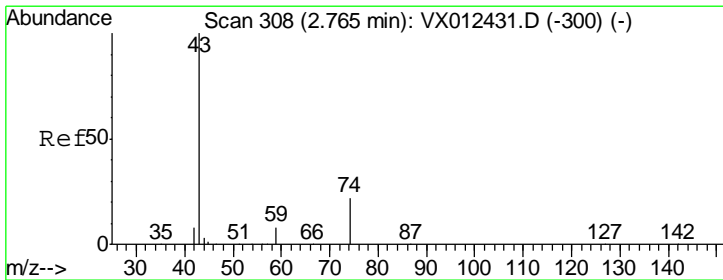
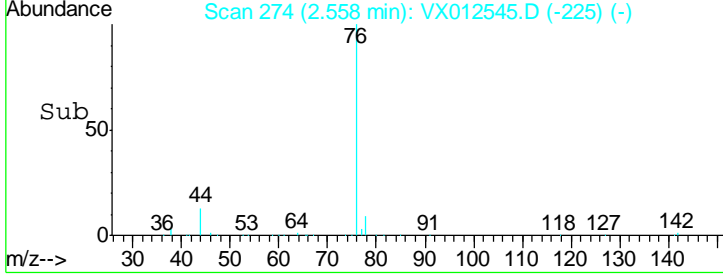
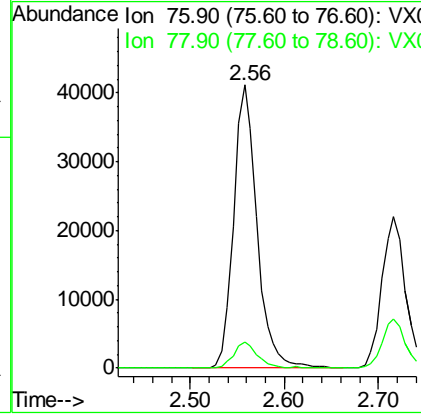
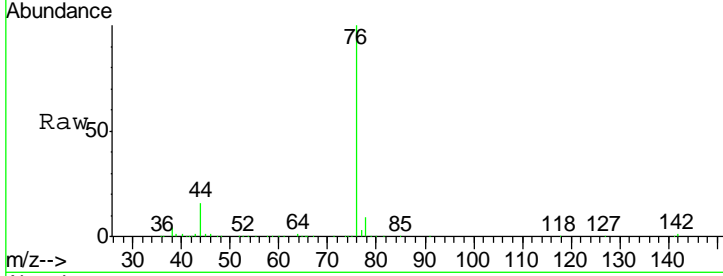


#17
 Carbon Disulfide
 Concen: 42.980 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.2	7.3	10.9

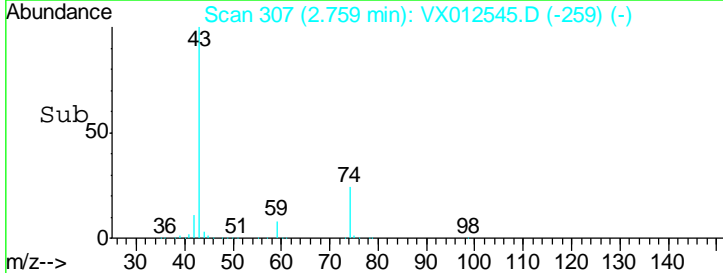
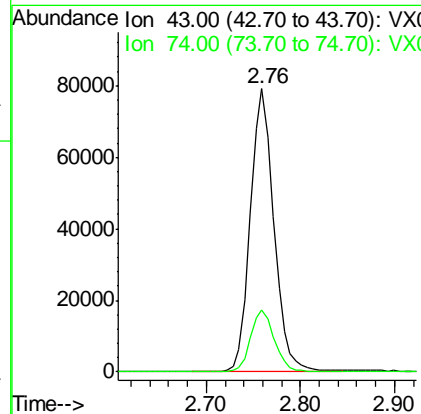
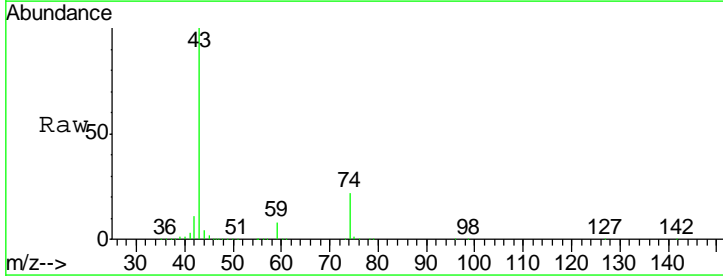
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

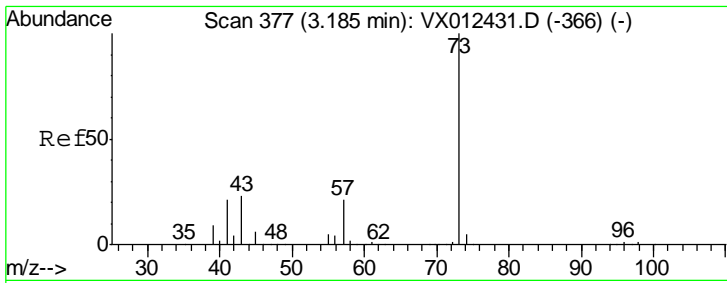
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#18
 Methyl Acetate
 Concen: 49.369 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.6	17.7	26.5



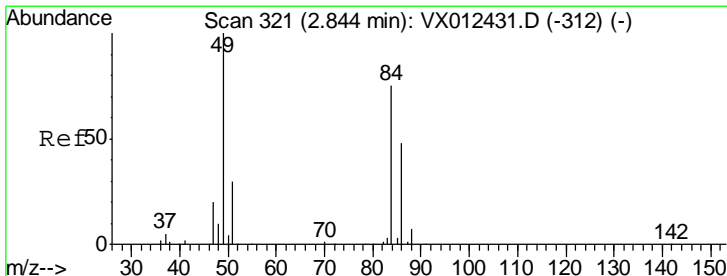
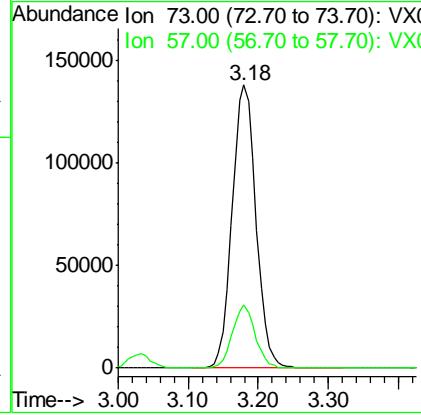
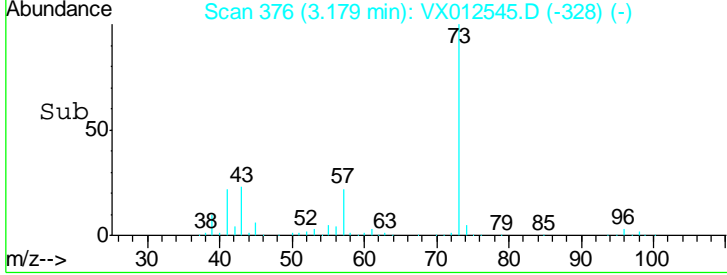
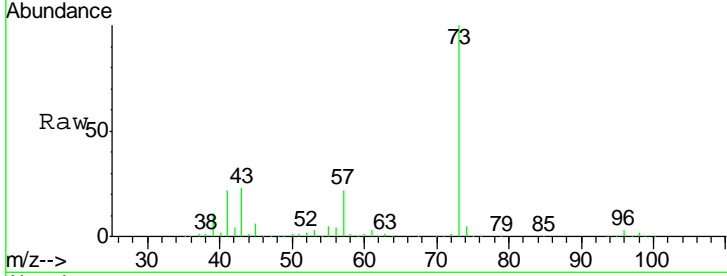


#19
Methyl tert-butyl Ether
Concen: 51.096 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.3	16.8	25.2

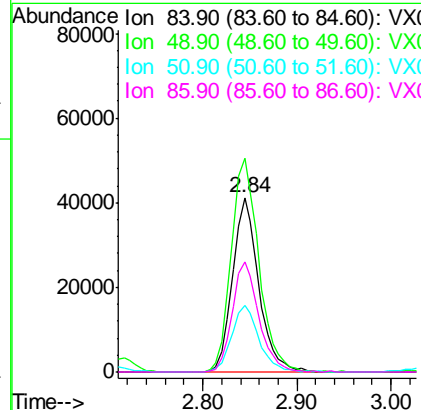
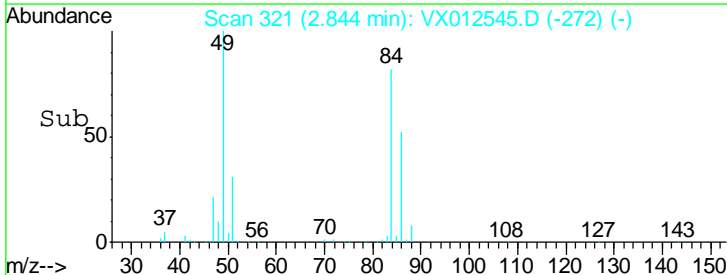
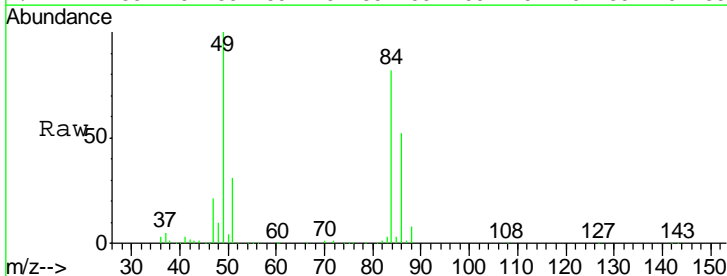
Instrument : MSVOA_X
ClientSampled : VSTDCCC050

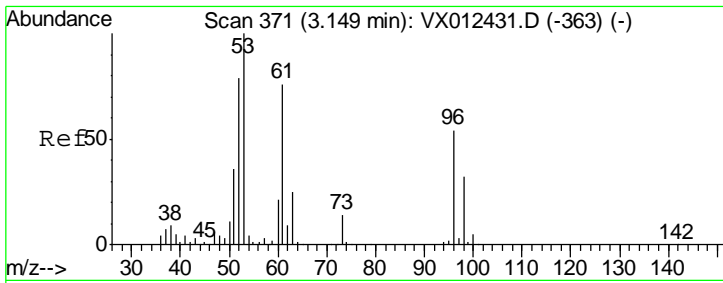
Manual Integrations APPROVED
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9/23/2019 11:29:30 AM



#20
Methylene Chloride
Concen: 49.147 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
84	100		
49	122.3	106.8	160.2
51	37.8	32.3	48.5
86	63.2	51.3	76.9



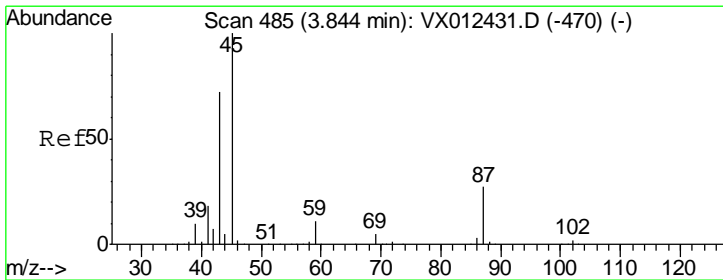
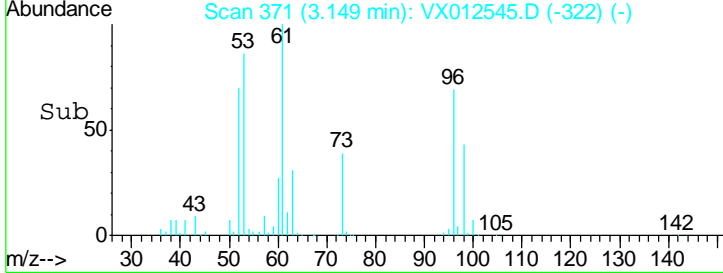
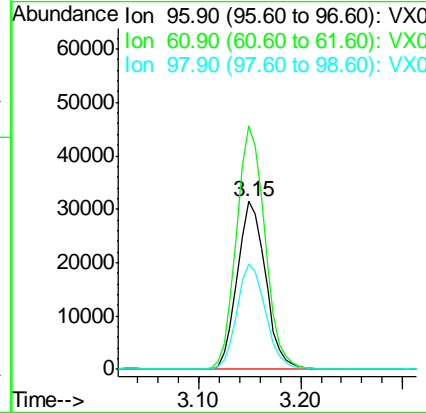
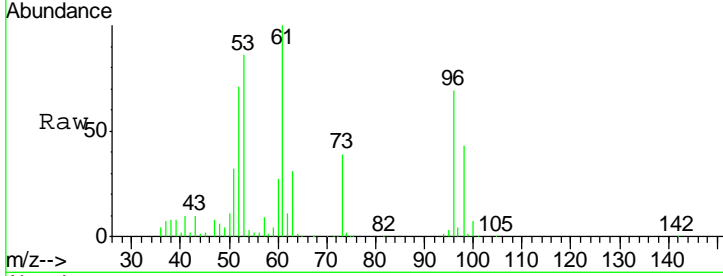


#21
 trans-1,2-Dichloroethene
 Concen: 49.709 ug/l
 RT: 3.15 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

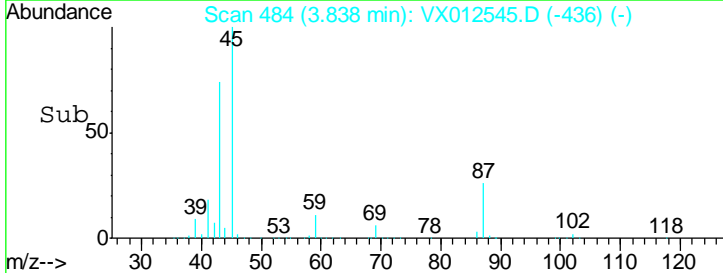
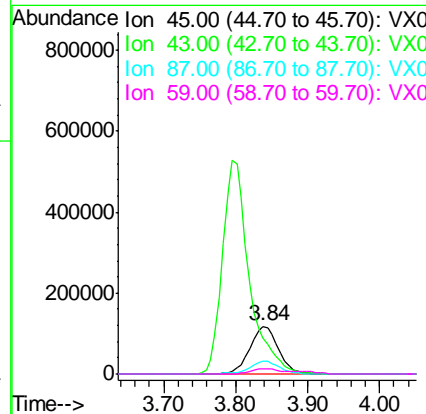
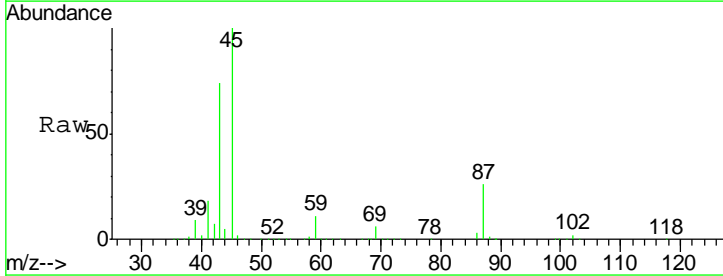
Tgt Ion	Resp	Lower	Upper
96	60507		
61	145.0	112.0	168.0
98	63.0	47.8	71.8

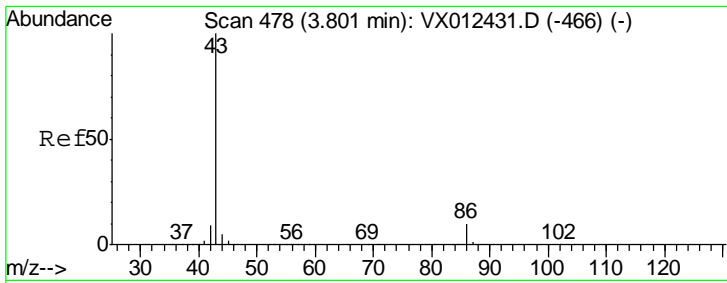
Manual Integrations
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 MMDadoda
 9/23/2019 11:29:30 AM



#22
 Diisopropyl ether
 Concen: 50.565 ug/l
 RT: 3.84 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
45	323095		
43	73.6	57.8	86.8
87	25.7	21.3	31.9
59	11.2	8.5	12.7





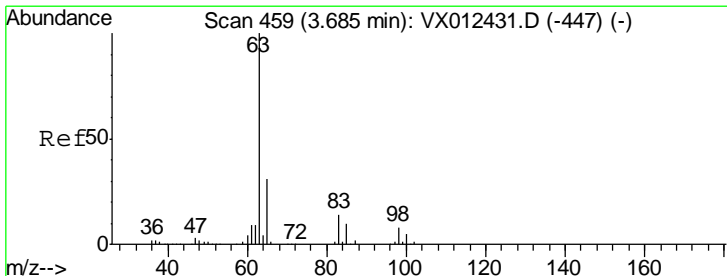
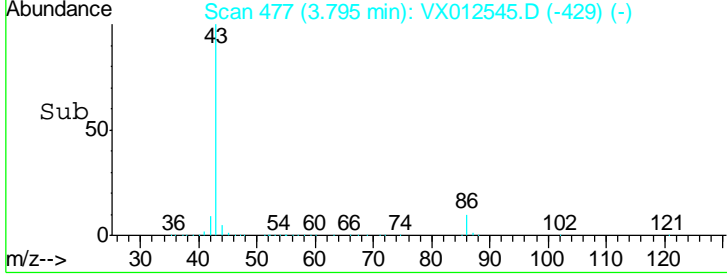
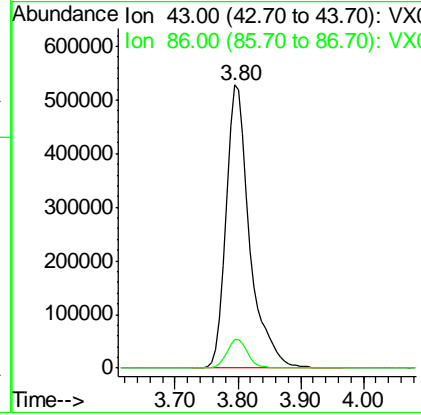
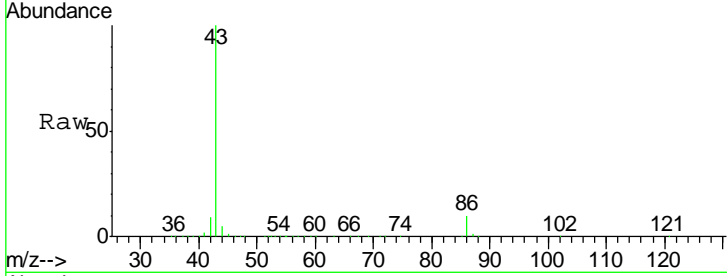
#23
 Vinyl Acetate
 Concen: 261.247 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion: 43 Resp: 1373168

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

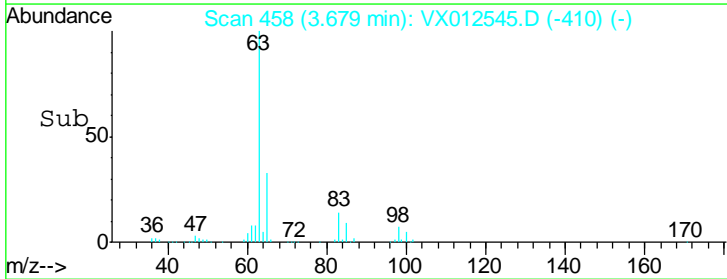
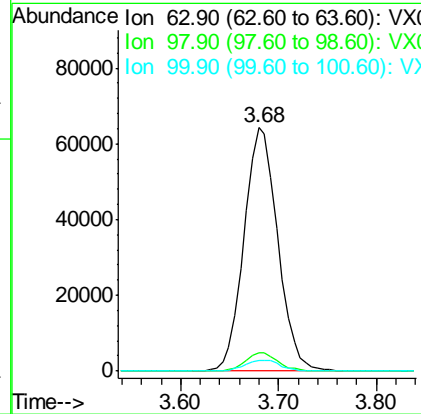
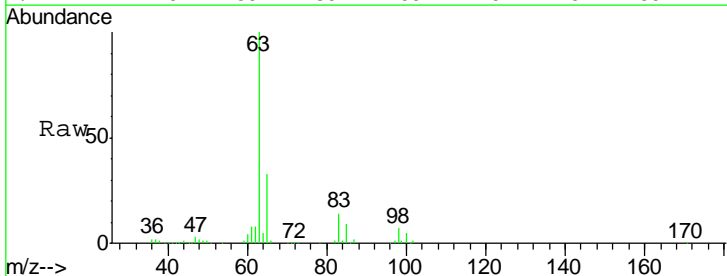
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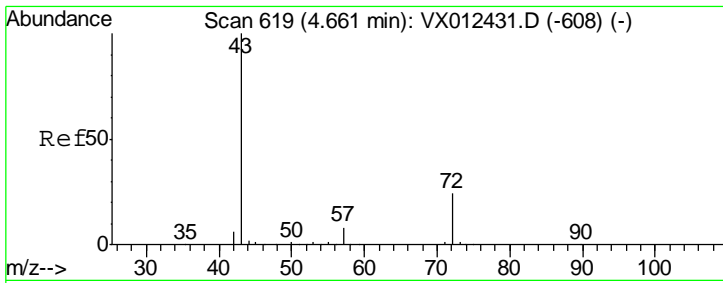


#24
 1,1-Dichloroethane
 Concen: 50.241 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion: 63 Resp: 153597

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.9	11.7
100	4.6	2.3	6.9



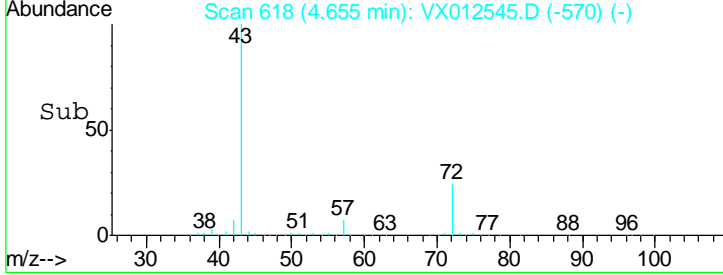
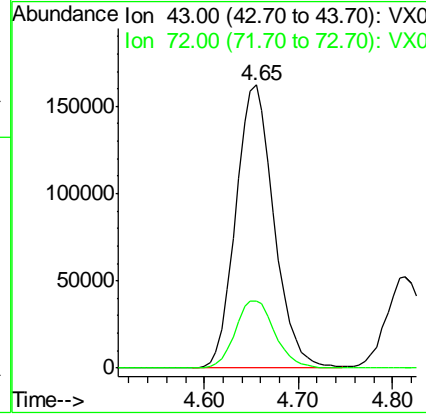
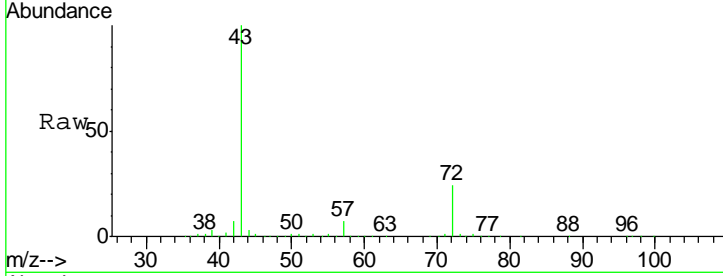


#25
 2-Butanone
 Concen: 245.678 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
43	100		
72	23.7	19.2	28.8

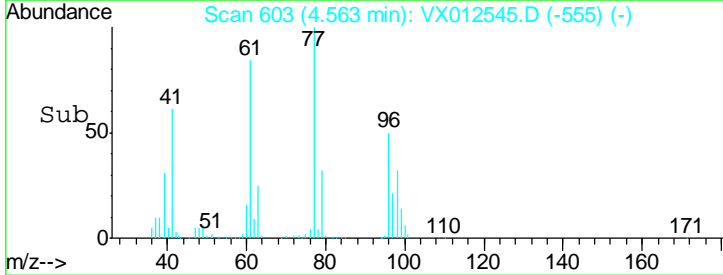
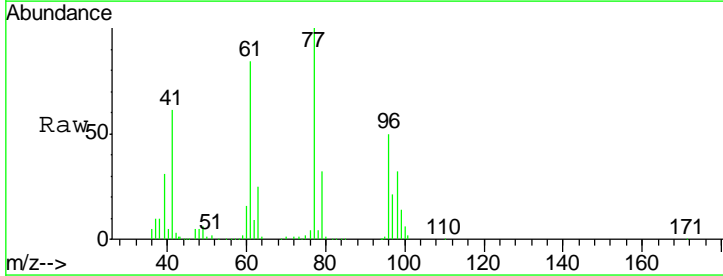
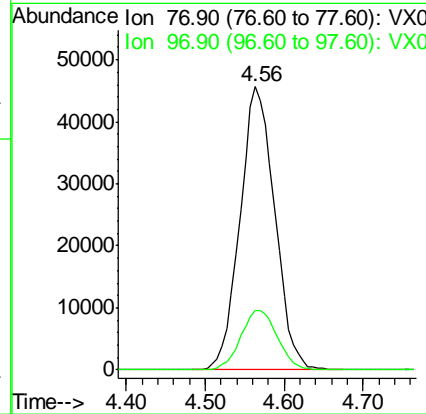
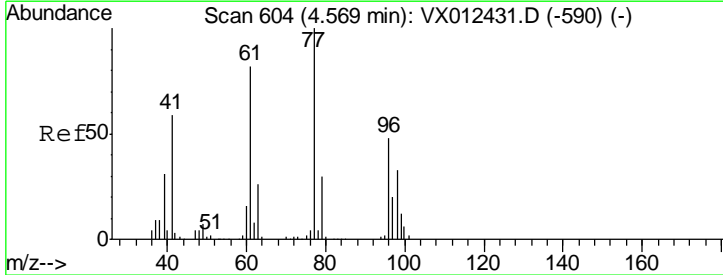
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

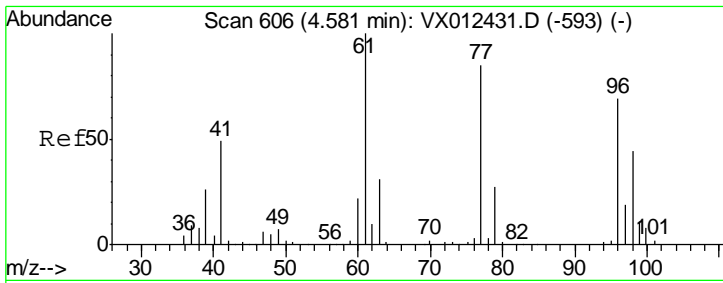
Manual Integrations
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#26
 2,2-Dichloropropane
 Concen: 46.625 ug/l
 RT: 4.56 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
77	100		
97	22.2	10.5	31.6



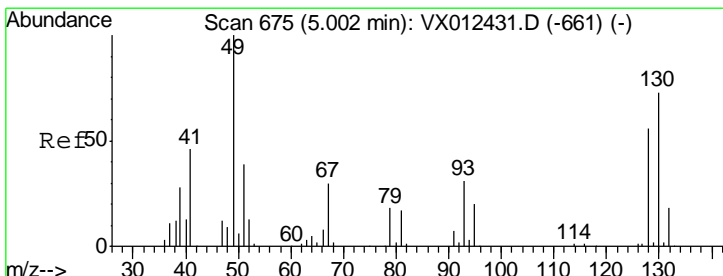
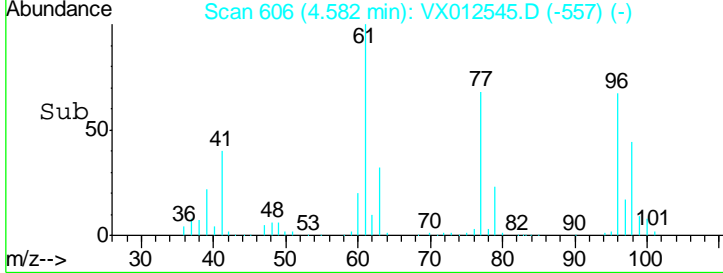
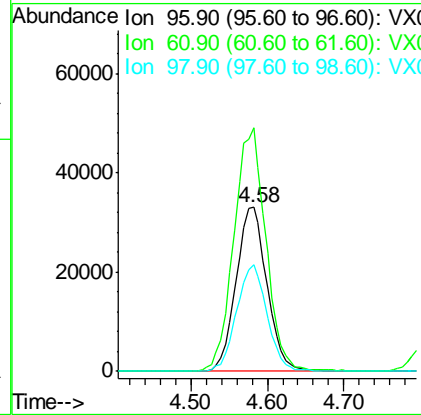
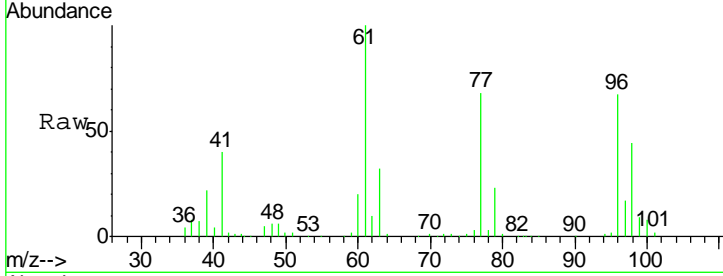


#27
 cis-1,2-Dichloroethene
 Concen: 50.794 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

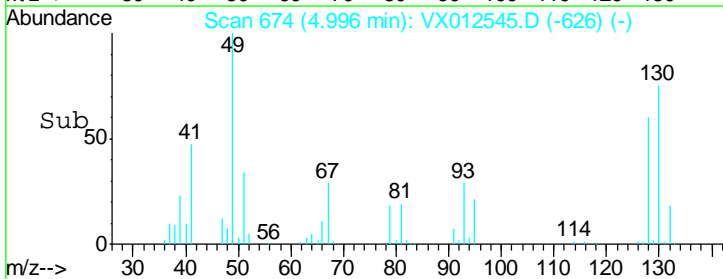
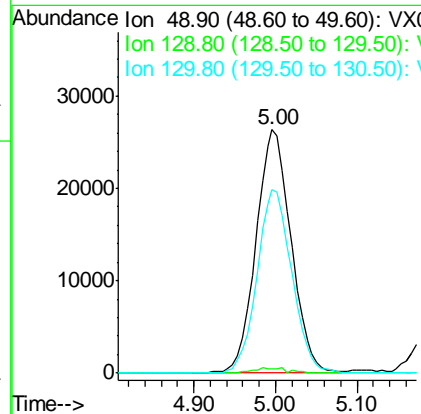
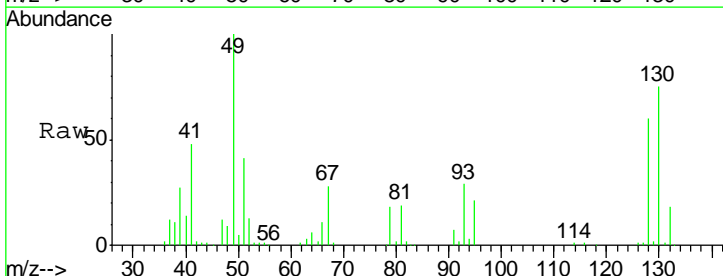
Tgt Ion	Resp	Lower	Upper
96	92360		
96	100		
61	154.3	0.0	319.4
98	64.2	0.0	130.6

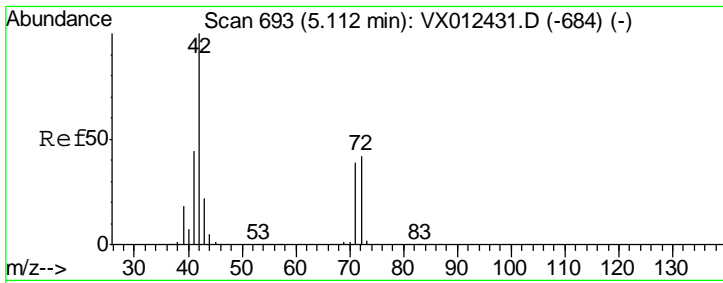
Manual Integrations
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#28
 Bromochloromethane
 Concen: 49.983 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
49	78779		
49	100		
129	2.0	0.0	3.8
130	74.7	58.2	87.4



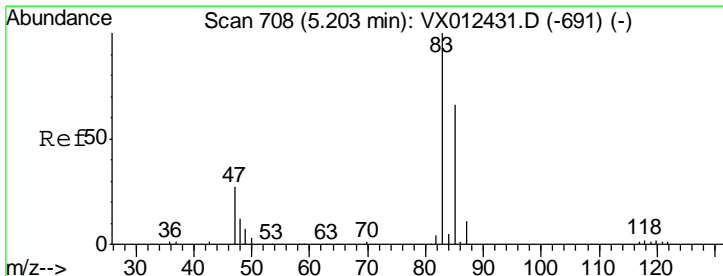
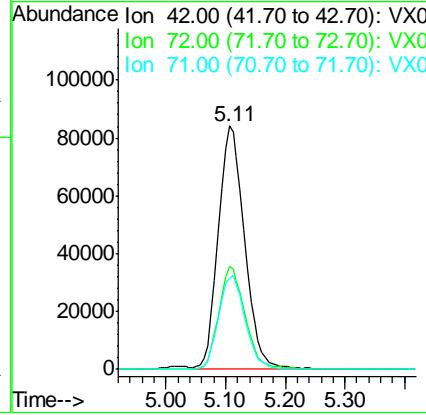
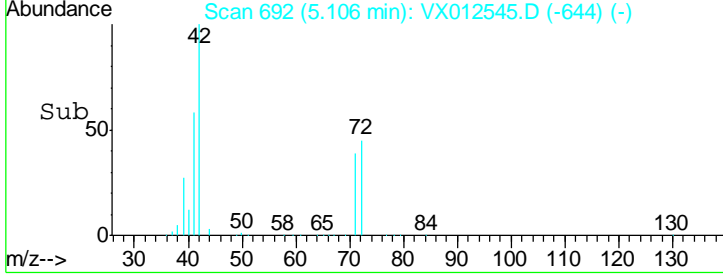
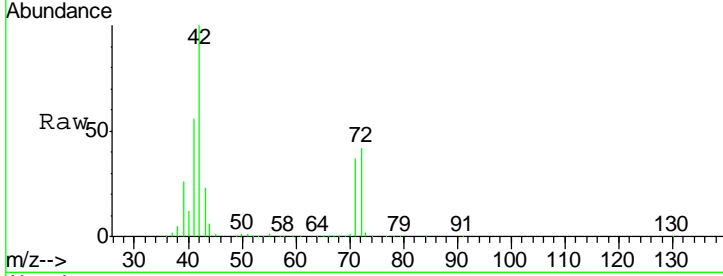


#29
 Tetrahydrofuran
 Concen: 250.713 ug/l
 RT: 5.11 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.4	34.0	51.0
71	38.9	31.5	47.3

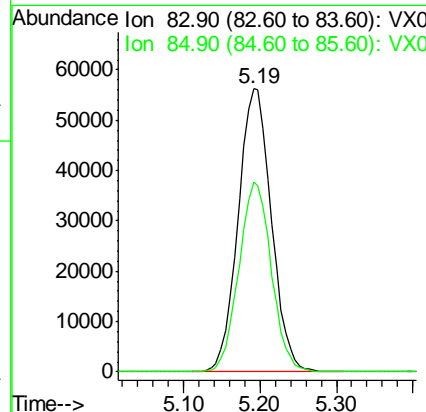
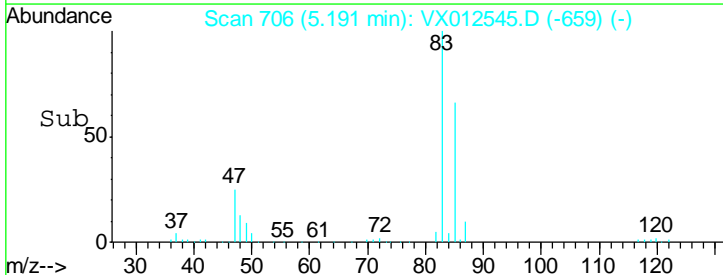
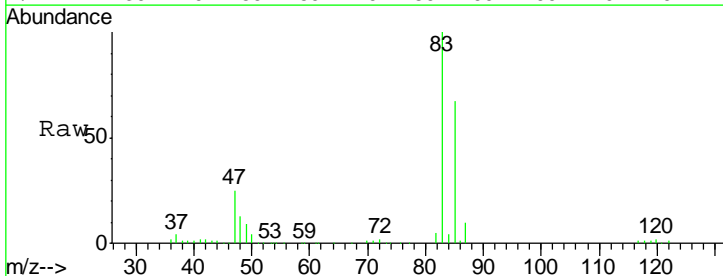
Instrument : MSVOA_X
 Client Sampled : VSTDC050

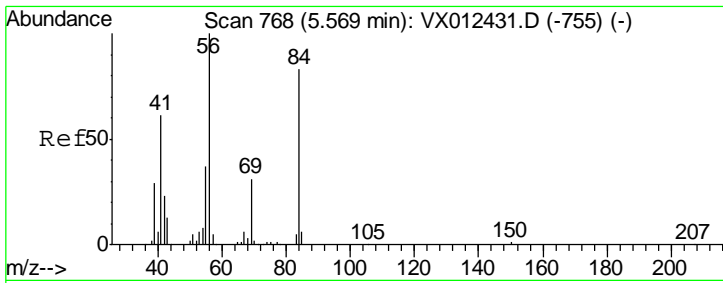
Manual Integrations APPROVED
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#30
 Chloroform
 Concen: 48.280 ug/l
 RT: 5.19 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
83	100		
85	67.2	53.0	79.4





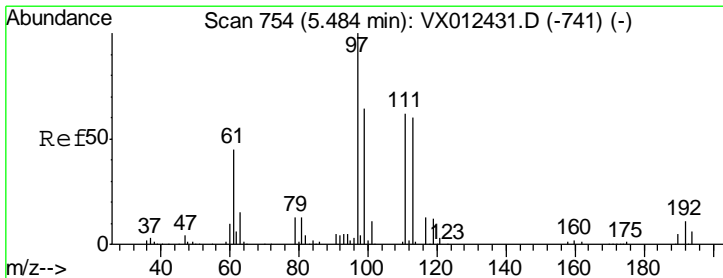
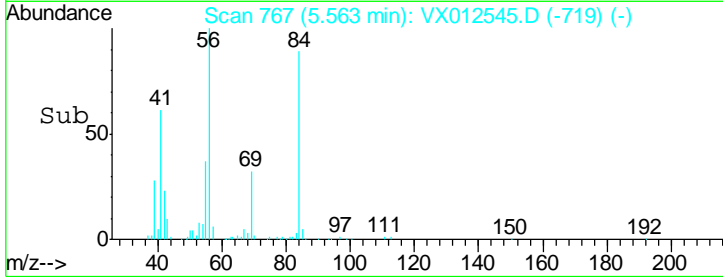
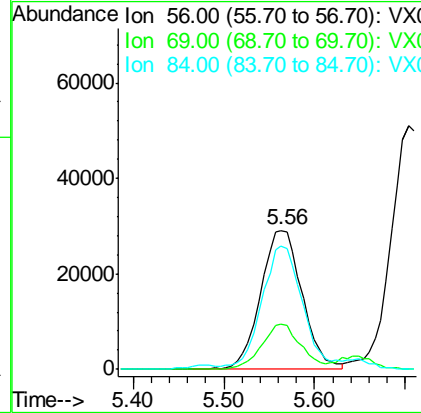
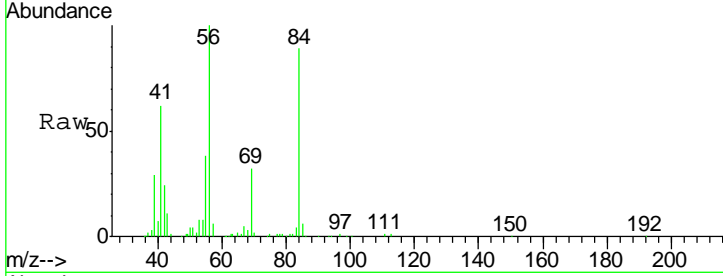
#31
 Cyclohexane
 Concen: 50.122 ug/l
 RT: 5.56 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	32.5	25.0	37.6
84	86.7	66.4	99.6

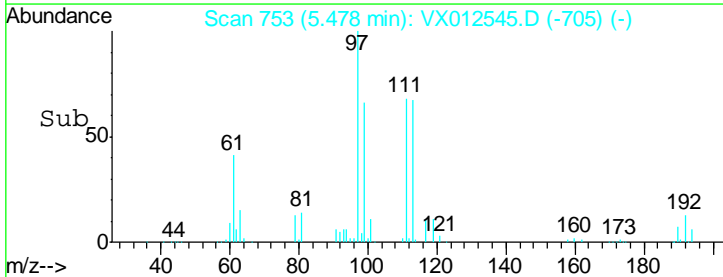
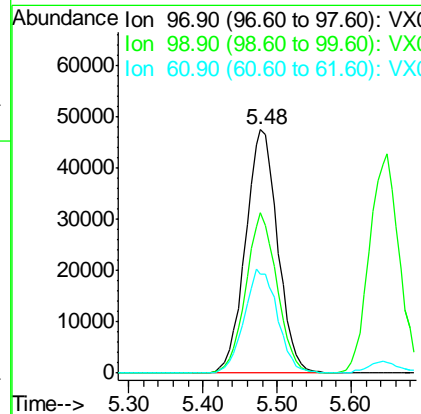
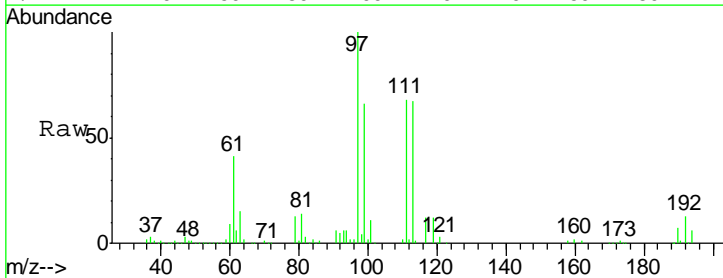
Manual Integrations
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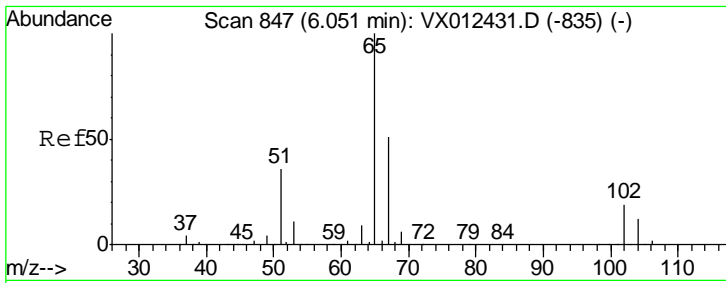
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#32
 1,1,1-Trichloroethane
 Concen: 48.931 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	44.1	36.1	54.1



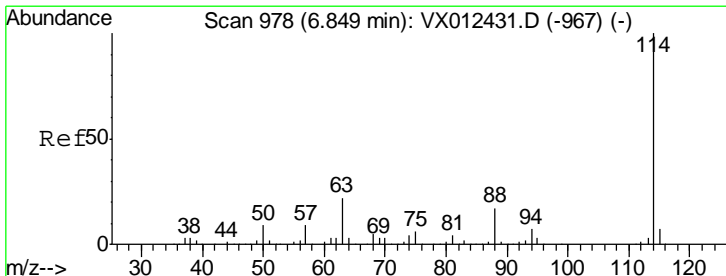
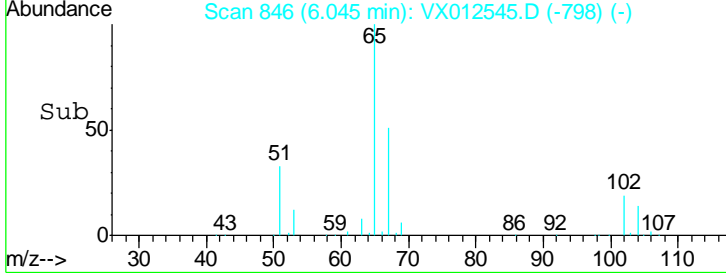
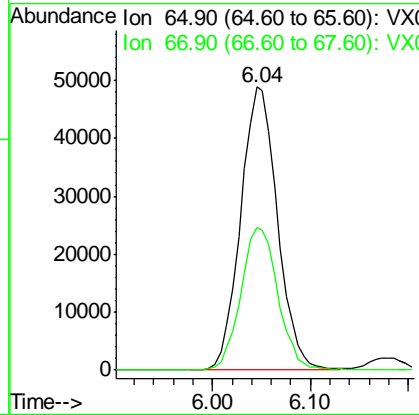
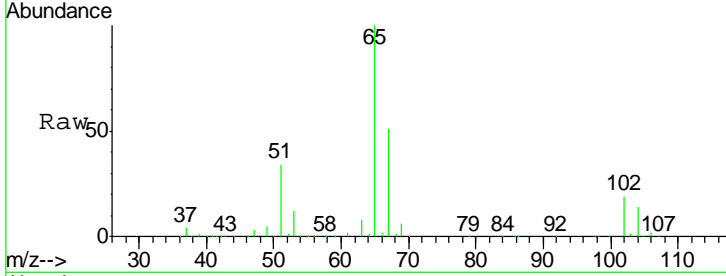


#33
 1,2-Dichloroethane-d4
 Concen: 47.701 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
65	127460		
65	100		
67	51.0	0.0	101.2

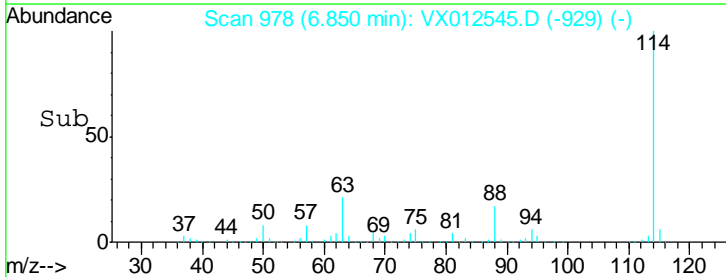
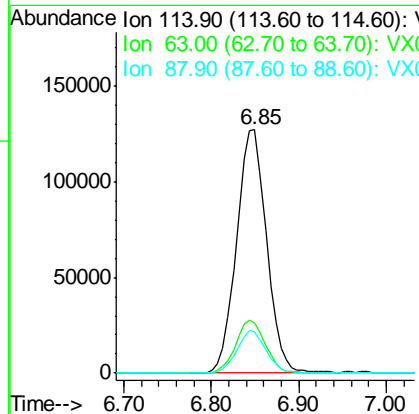
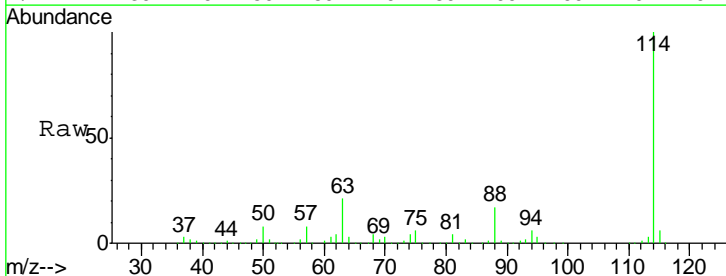
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

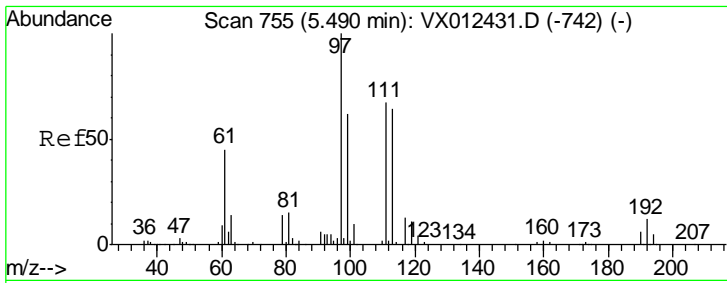
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
114	305691		
114	100		
63	20.7	0.0	43.2
88	16.8	0.0	33.2



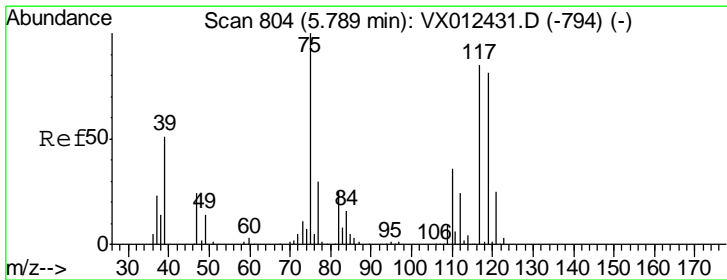
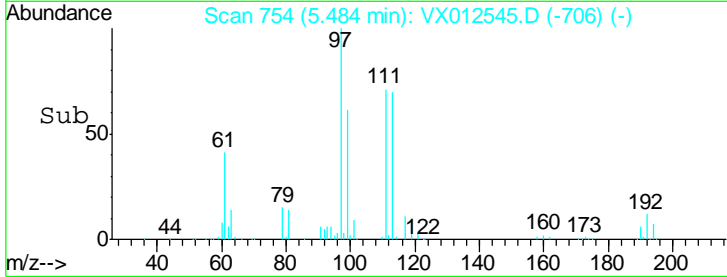
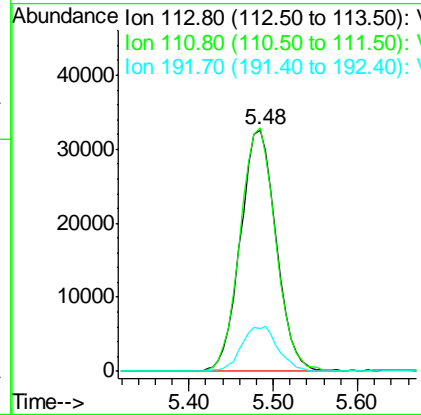
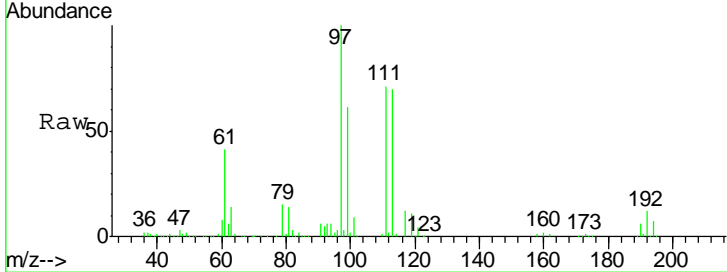


#35
 Dibromofluoromethane
 Concen: 50.510 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
113	93455		
113	100		
111	100.8	83.4	125.2
192	18.9	14.4	21.6

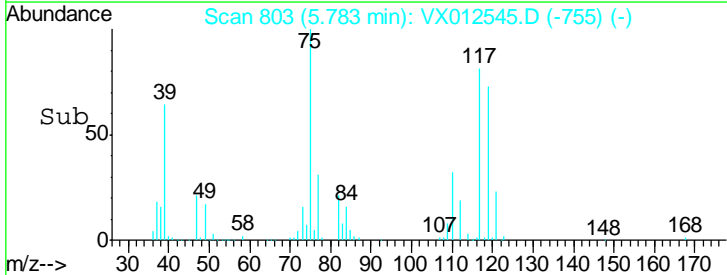
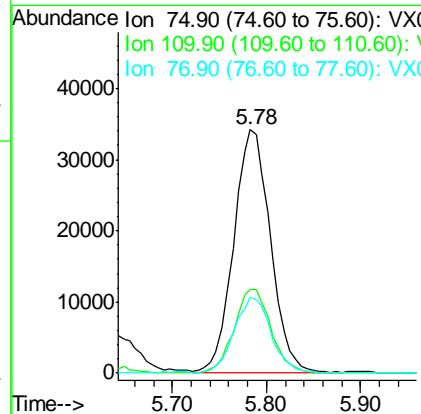
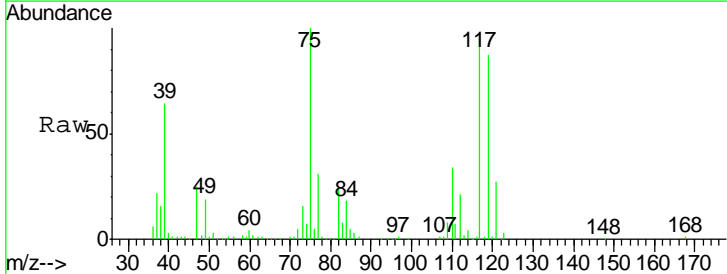
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

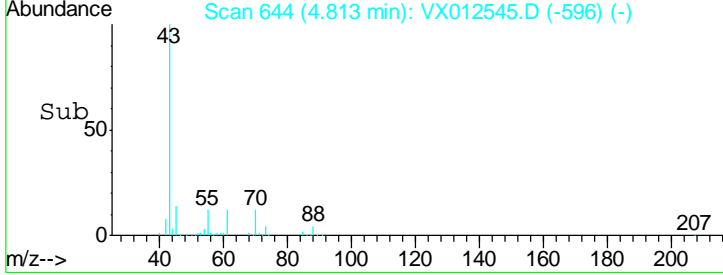
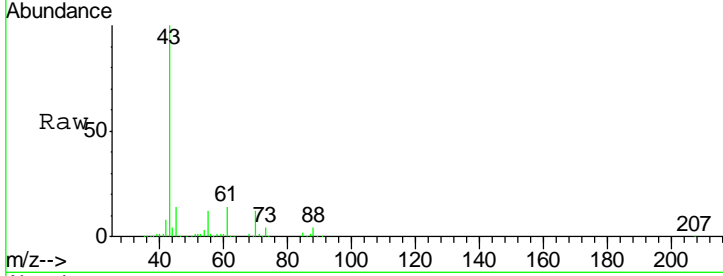
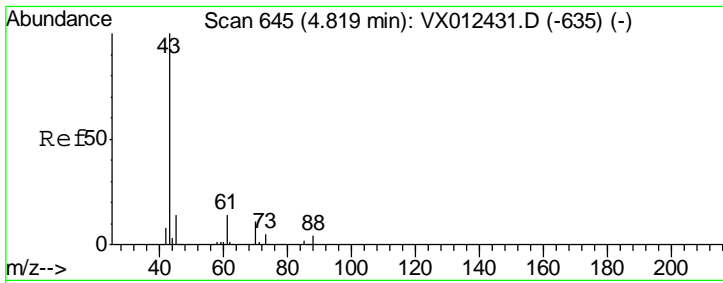
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 49.685 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
75	92308		
75	100		
110	34.9	16.7	50.0
77	31.4	24.2	36.2



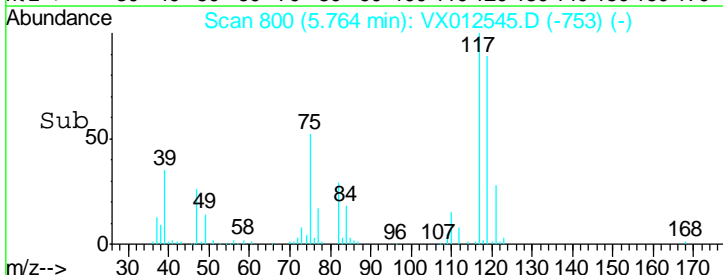
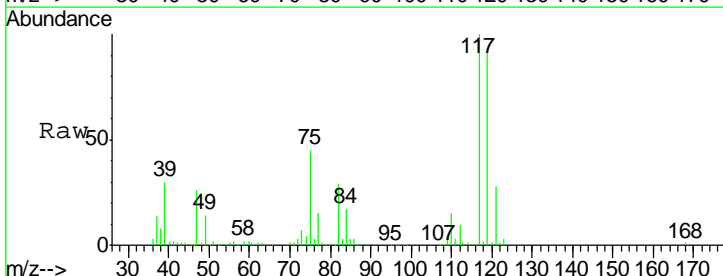
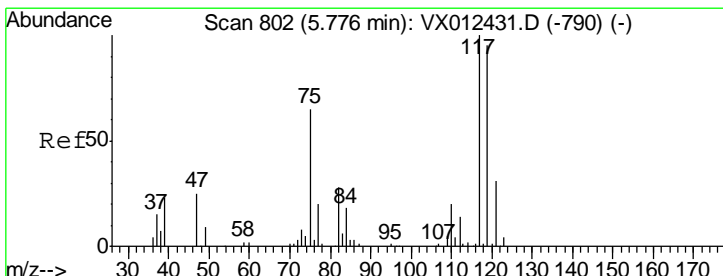
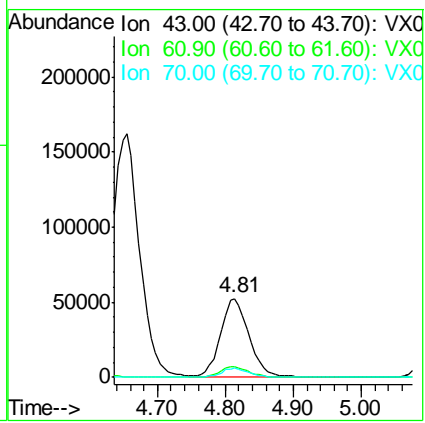


#37
 Ethyl Acetate
 Concen: 53.104 ug/l
 RT: 4.81 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
43	151441		
61	13.1	10.2	15.4
70	11.3	8.7	13.1

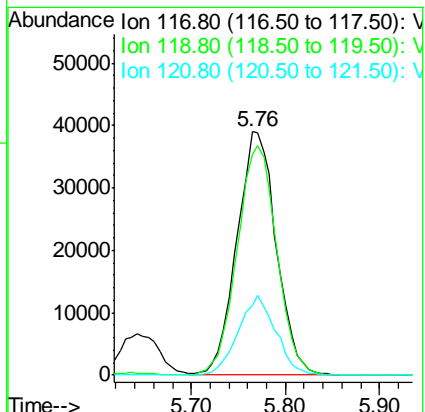
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

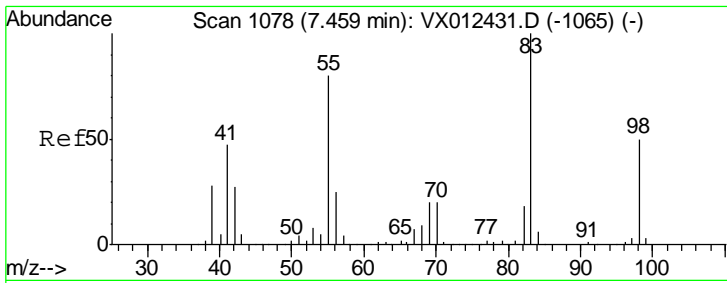
Manual Integrations APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM



#38
 Carbon Tetrachloride
 Concen: 49.234 ug/l
 RT: 5.76 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
117	113762		
119	90.7	75.7	113.5
121	28.4	24.2	36.4



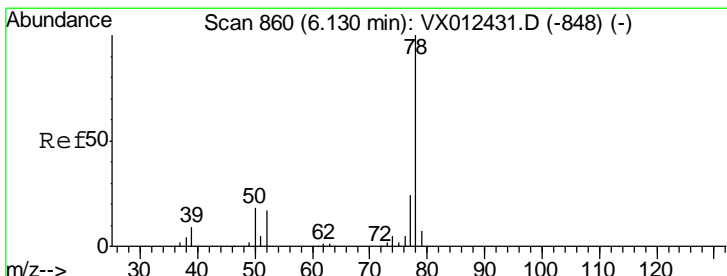
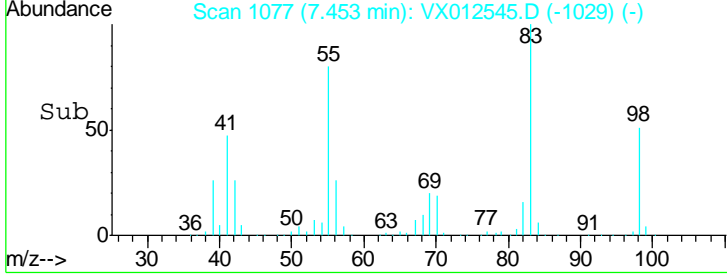
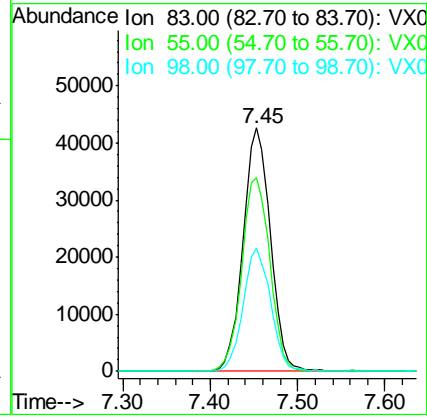
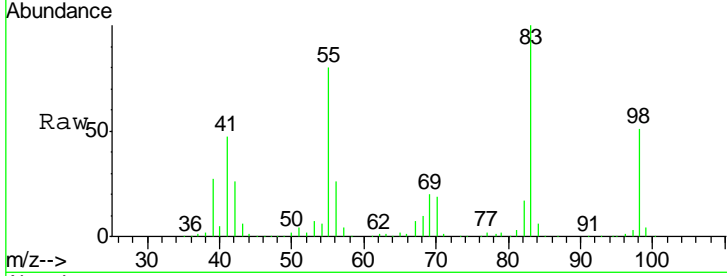


#39
 Methylcyclohexane
 Concen: 51.342 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

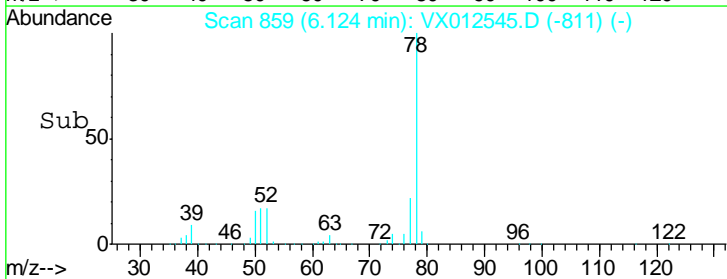
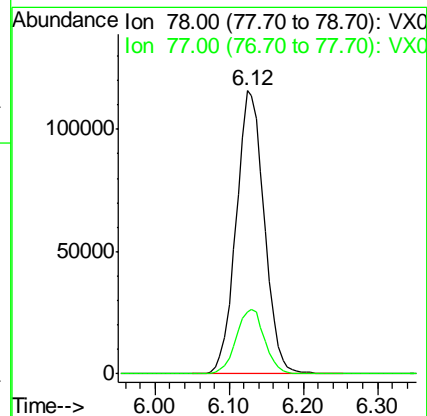
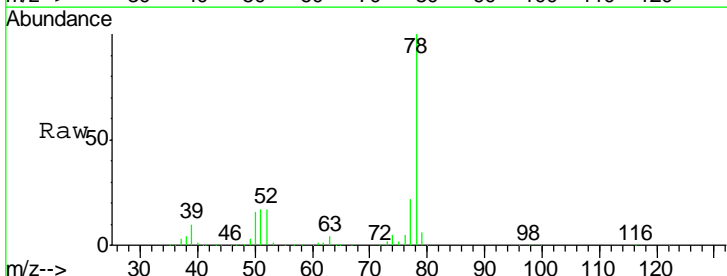
Tgt Ion	Resp	Lower	Upper
83	100		
55	79.6	64.4	96.6
98	50.8	40.1	60.1

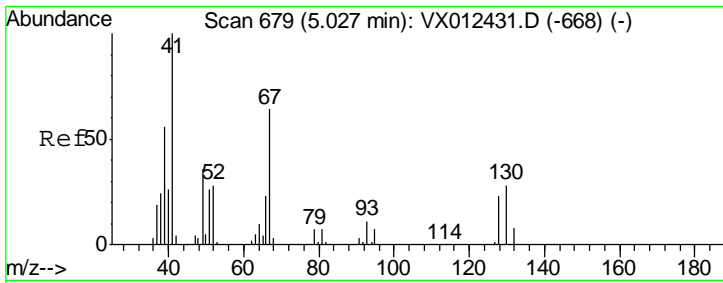
Manual Integrations
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#40
 Benzene
 Concen: 51.736 ug/l
 RT: 6.12 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
78	100		
77	22.0	19.2	28.8





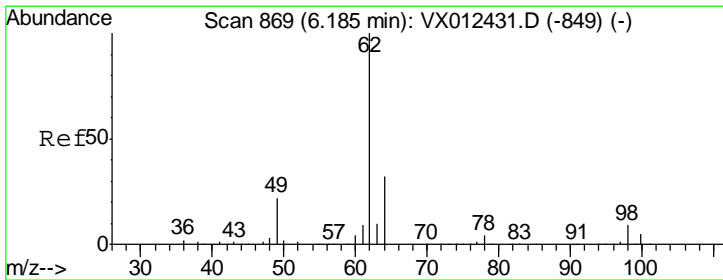
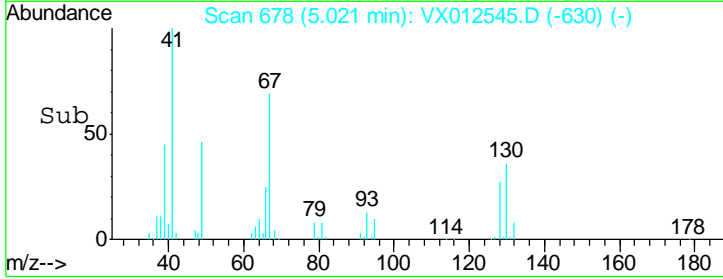
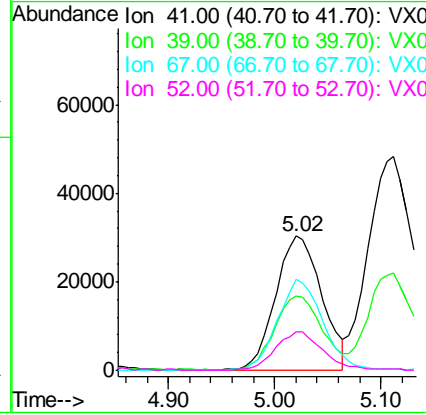
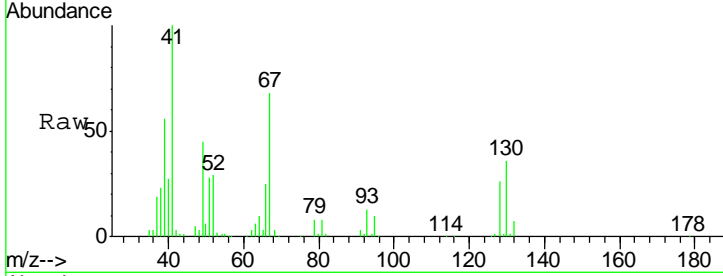
#41
 Methacrylonitrile
 Concen: 49.276 ug/l
 RT: 5.02 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
41	100		
39	56.5	46.0	69.0
67	67.0	52.2	78.2
52	29.1	22.7	34.1

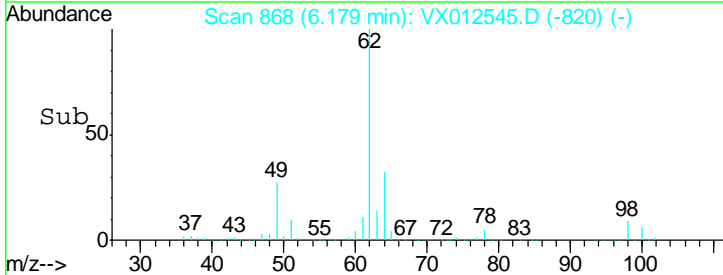
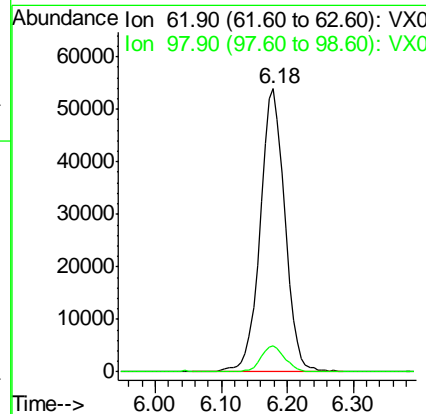
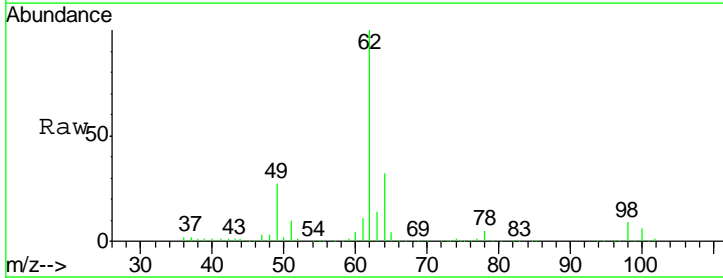
Manual Integrations
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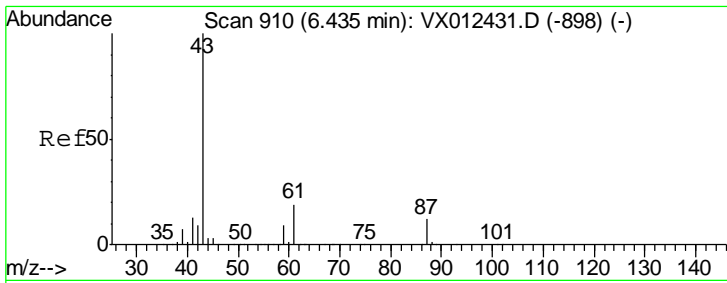
MMDadoda
 9/23/2019 11:29:30 AM



#42
 1,2-Dichloroethane
 Concen: 51.174 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.9	0.0	17.8



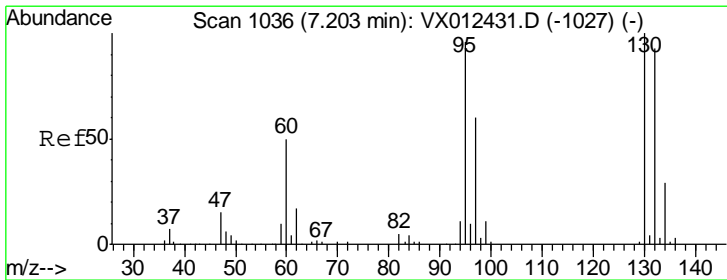
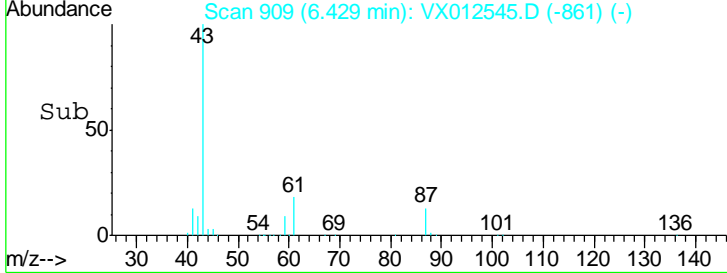
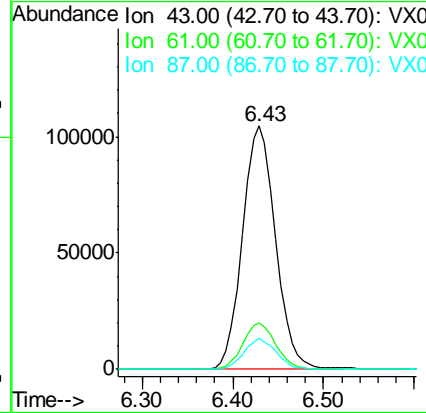
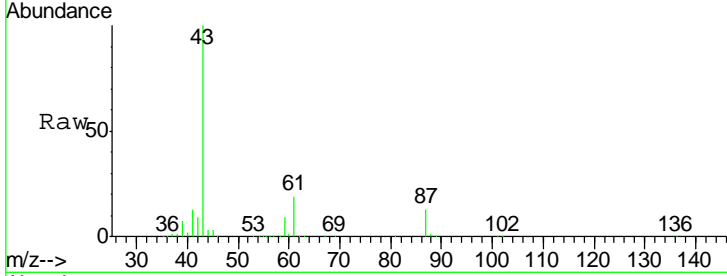


#43
 Isopropyl Acetate
 Concen: 51.502 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	12.4	9.8	14.8

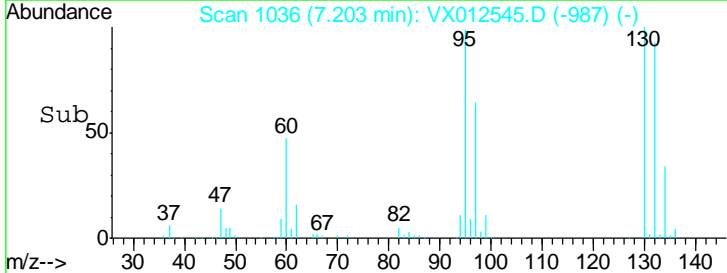
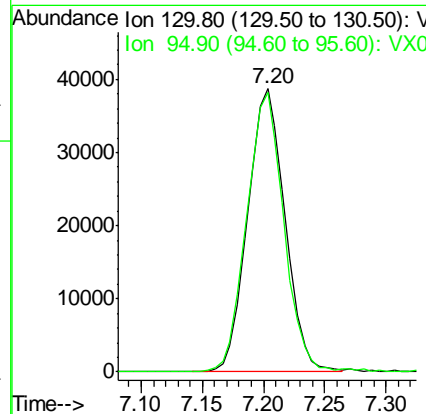
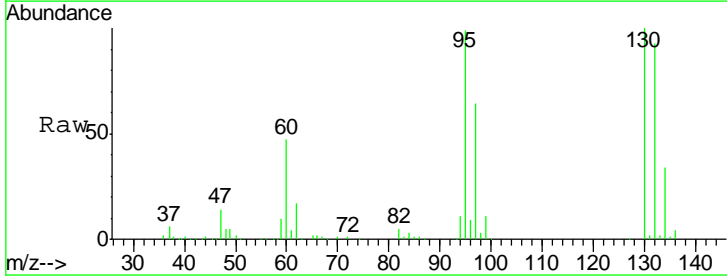
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

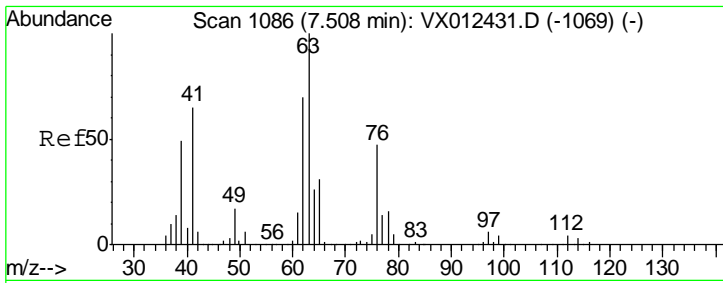
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#44
 Trichloroethene
 Concen: 52.740 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.6	0.0	193.0





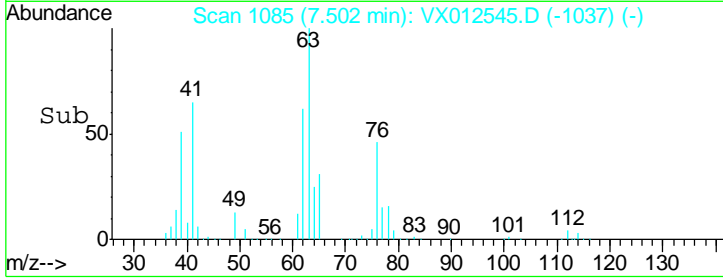
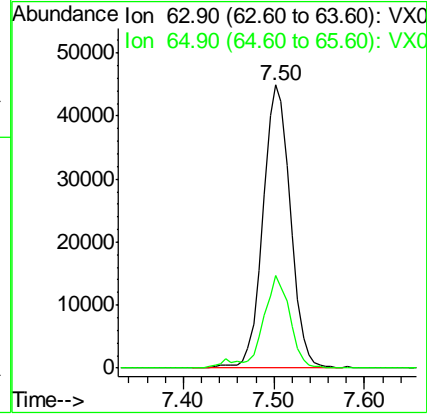
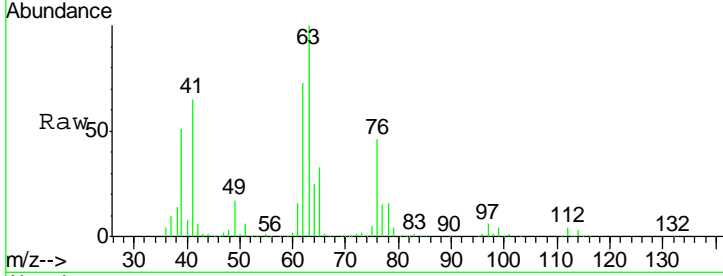
#45
 1,2-Dichloropropane
 Concen: 51.769 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	32.7	25.0	37.6

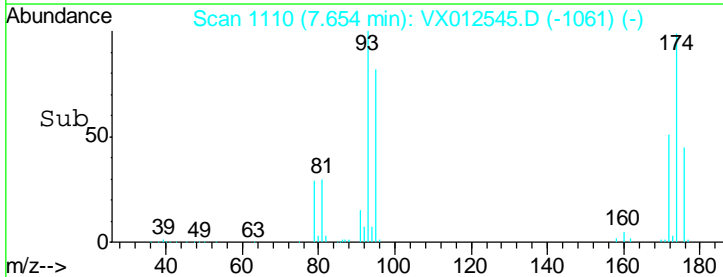
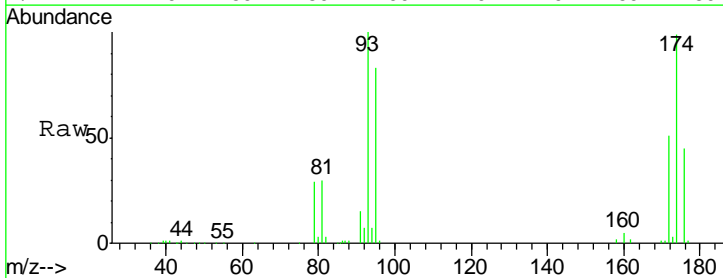
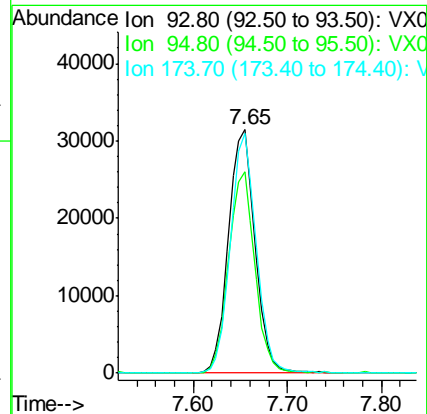
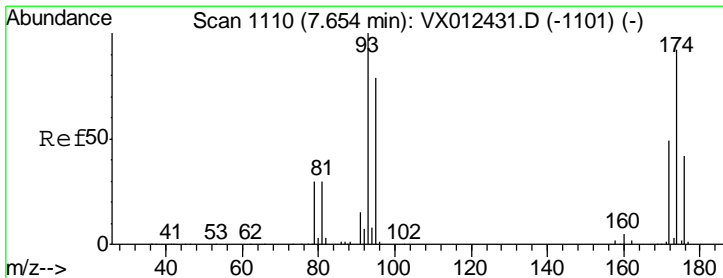
Manual Integrations
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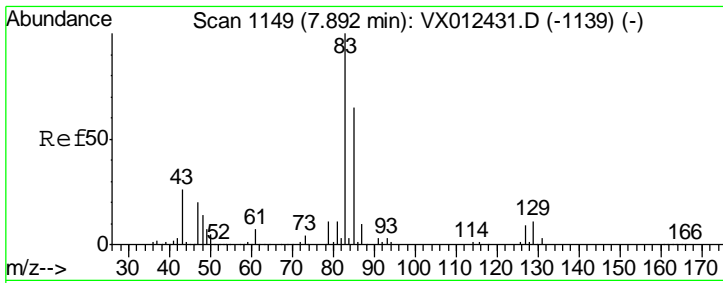
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#46
 Dibromomethane
 Concen: 52.470 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
93	100		
95	81.4	66.6	100.0
174	95.2	77.4	116.0



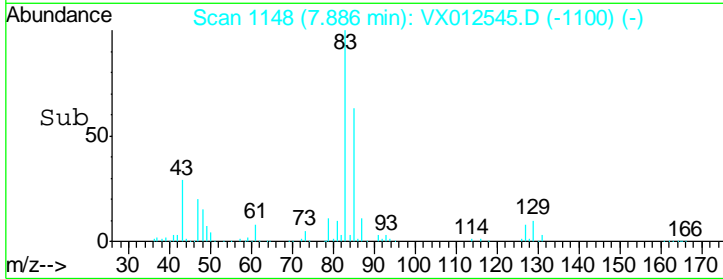
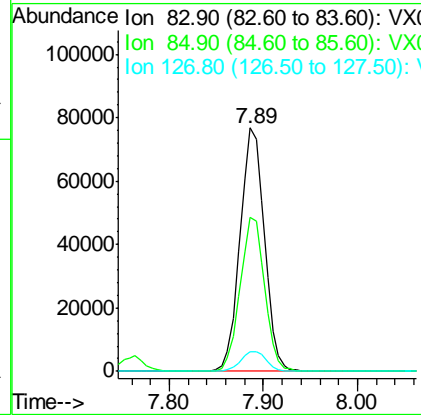
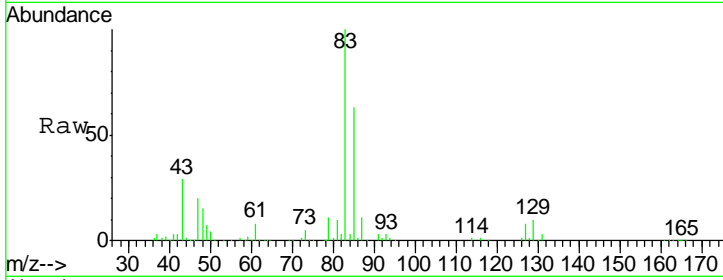


#47
 Bromodichloromethane
 Concen: 52.917 ug/l
 RT: 7.89 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

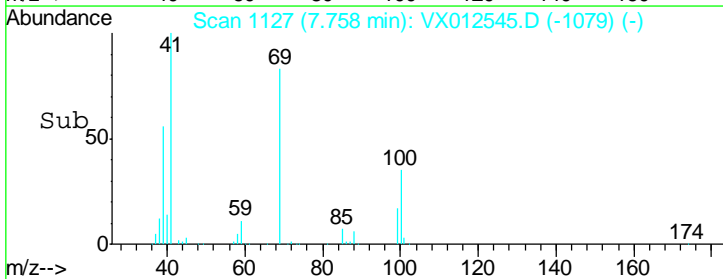
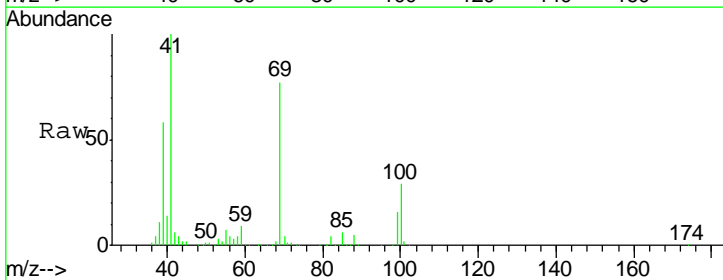
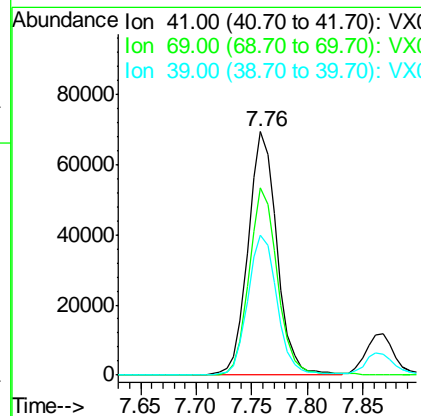
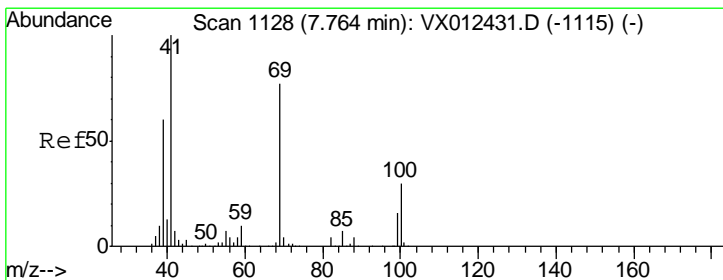
Tgt Ion	Resp	Lower	Upper
83	138392		
83	100		
85	63.4	51.8	77.6
127	8.0	7.3	10.9

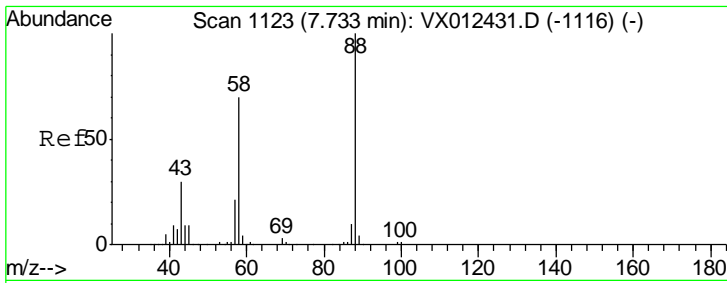
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#48
 Methyl methacrylate
 Concen: 51.722 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

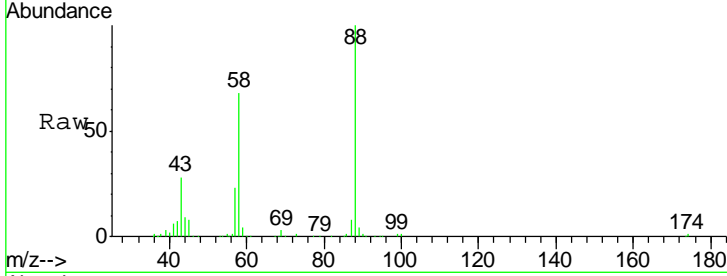
Tgt Ion	Resp	Lower	Upper
41	124793		
41	100		
69	75.9	59.9	89.9
39	58.6	47.8	71.6





#49
 1,4-Dioxane
 Concen: 990.058 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

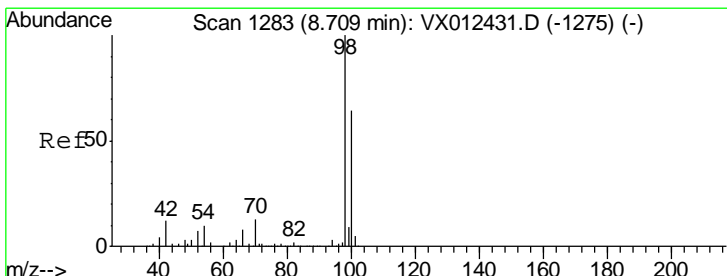
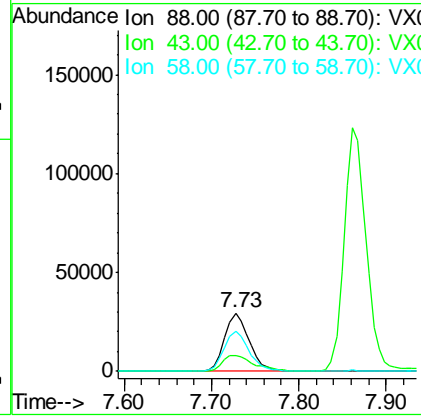
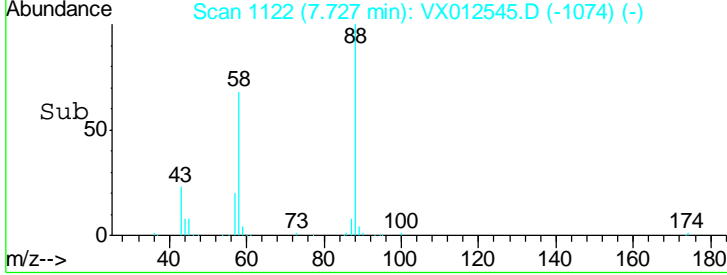
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050



Tgt Ion: 88 Resp: 58139

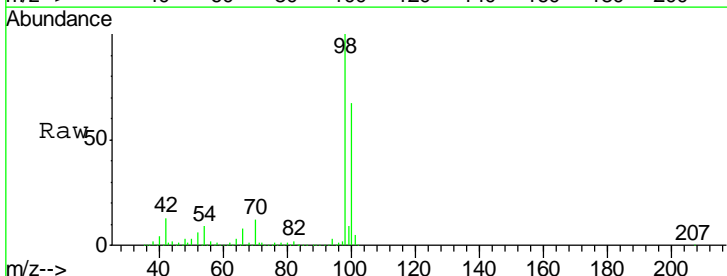
Ion	Ratio	Lower	Upper
88	100		
43	33.9	29.4	44.0
58	70.5	57.5	86.3

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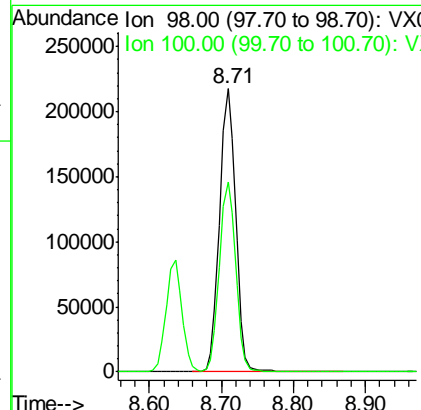
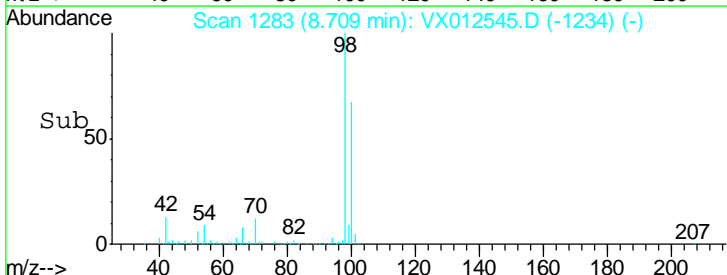
#50
 Toluene-d8
 Concen: 49.469 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

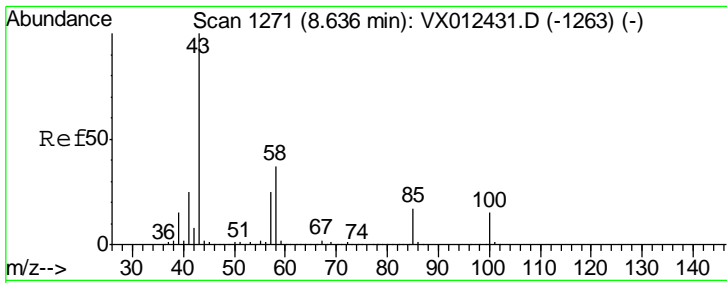
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050



Tgt Ion: 98 Resp: 338789

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.2



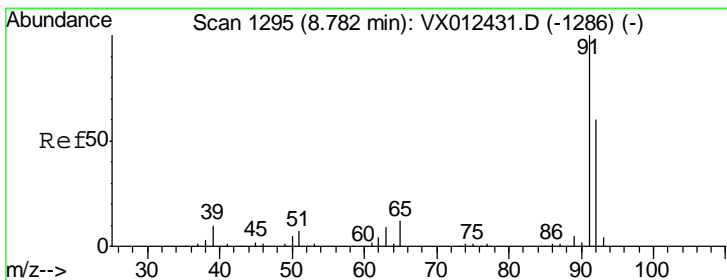
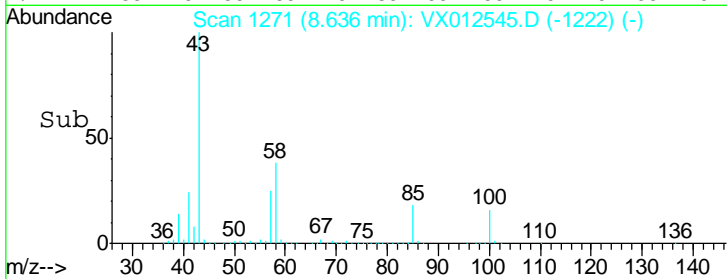
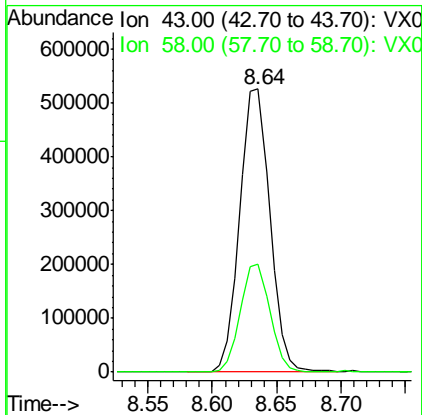
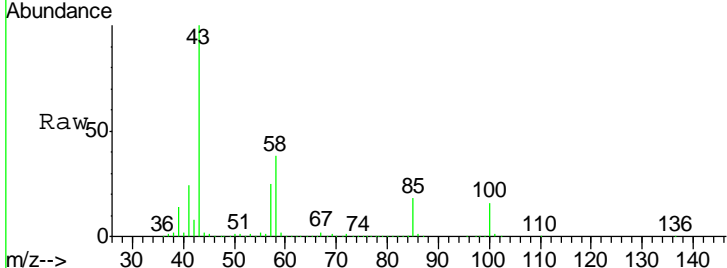


#51
 4-Methyl-2-Pentanone
 Concen: 254.303 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
43	100		
58	37.6	29.8	44.6

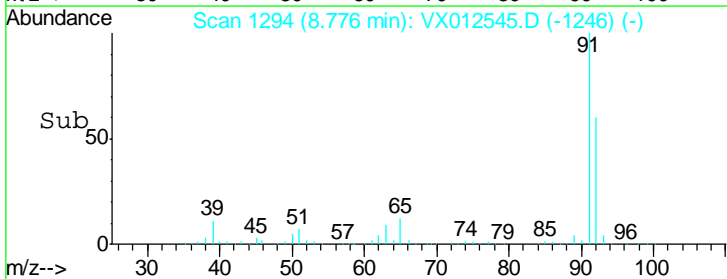
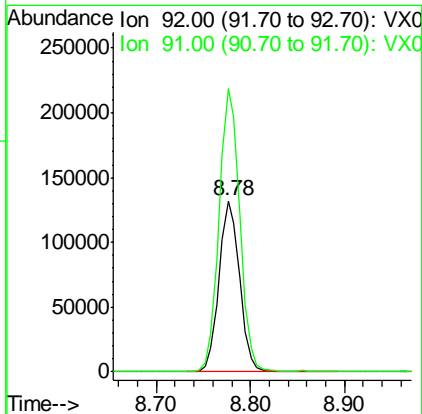
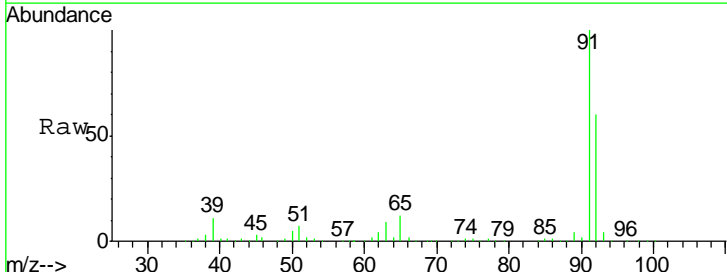
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

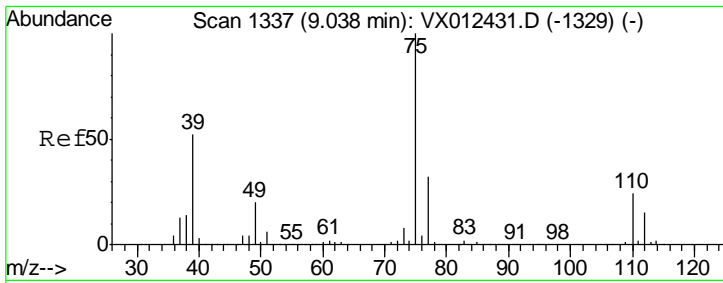
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#52
 Toluene
 Concen: 52.563 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
92	100		
91	166.6	135.4	203.0





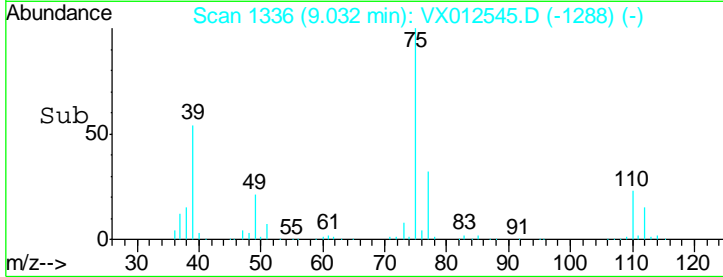
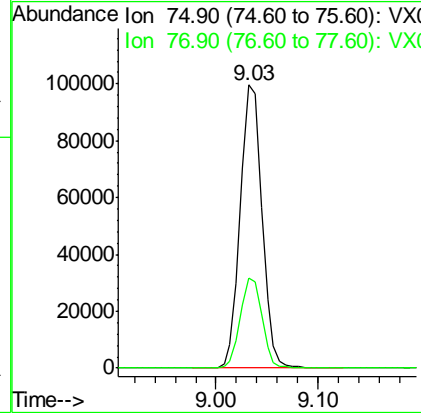
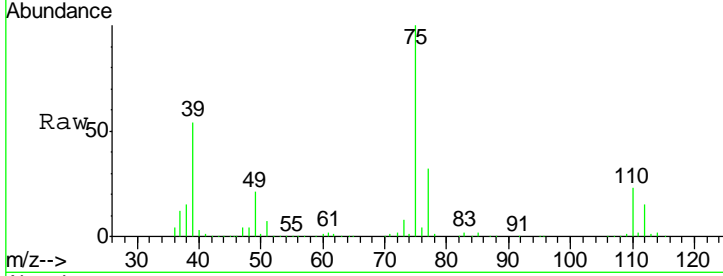
#53
 t-1,3-Dichloropropene
 Concen: 53.908 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
75	146553		
75	100		
77	31.7	25.2	37.8

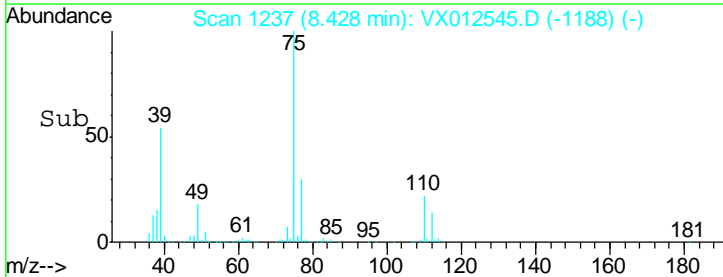
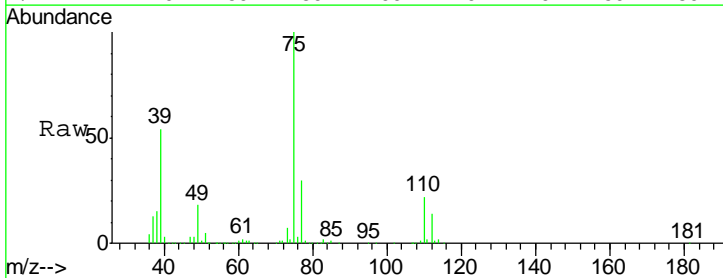
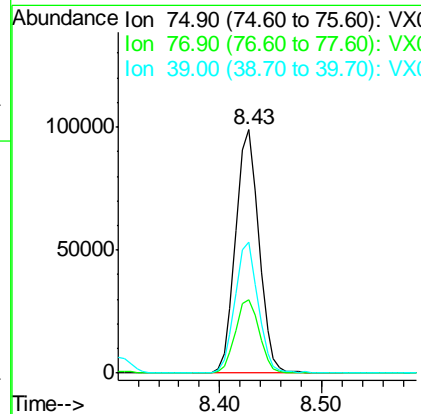
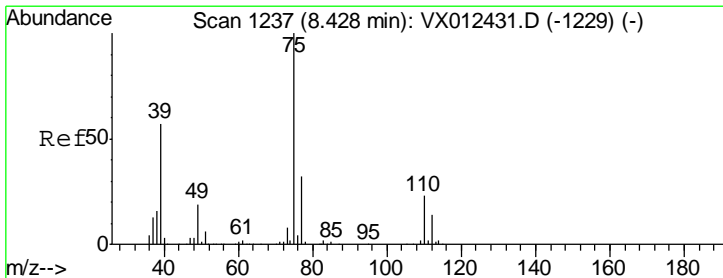
Manual Integrations
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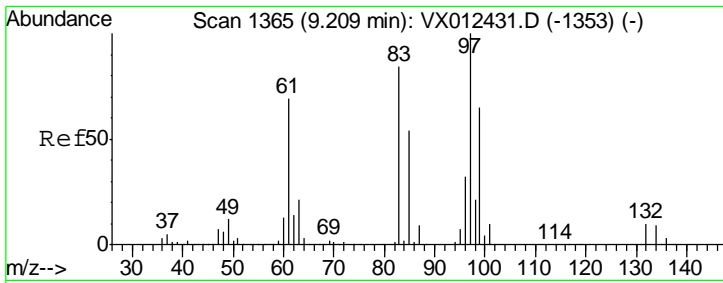
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#54
 cis-1,3-Dichloropropene
 Concen: 55.486 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
75	156163		
75	100		
77	30.4	25.8	38.8
39	53.6	45.5	68.3





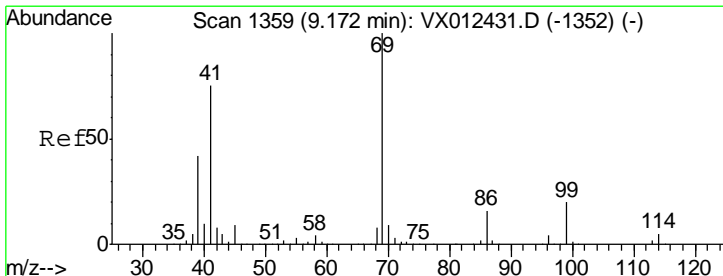
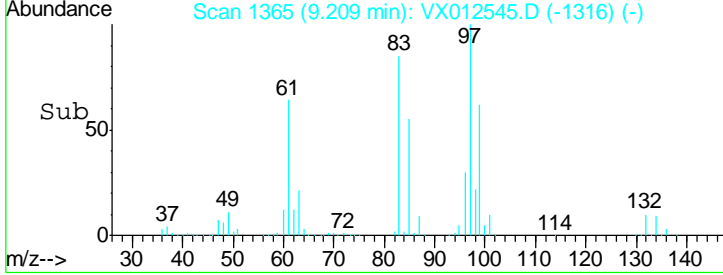
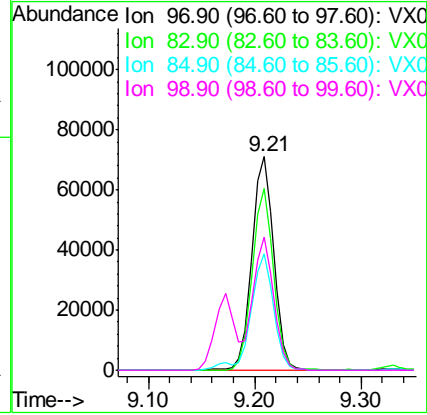
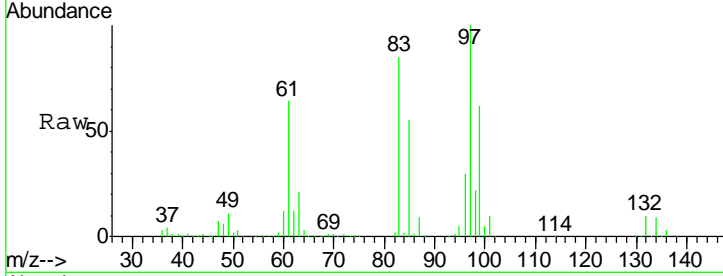
#55
 1,1,2-Trichloroethane
 Concen: 52.578 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
97	103119		
97	100		
83	85.0	67.4	101.2
85	54.7	43.5	65.3
99	61.9	51.8	77.8

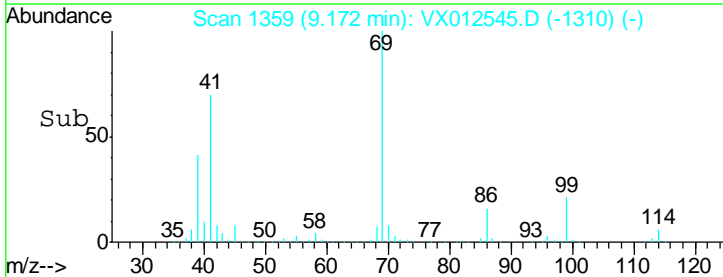
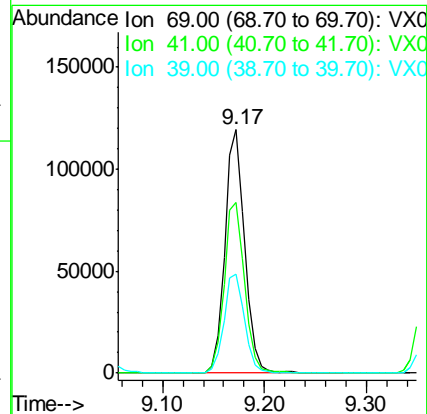
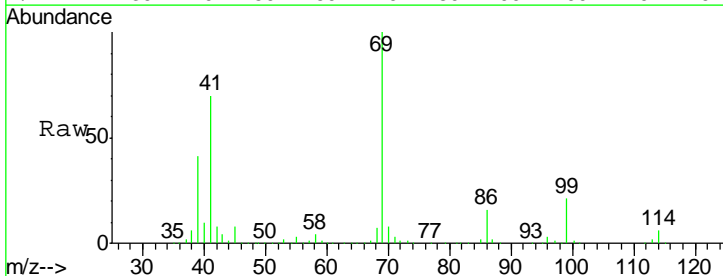
Manual Integrations
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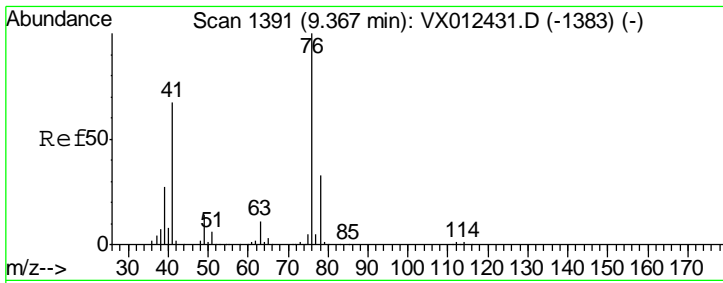
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#56
 Ethyl methacrylate
 Concen: 52.762 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
69	161792		
69	100		
41	72.0	58.4	87.6
39	42.1	33.4	50.0





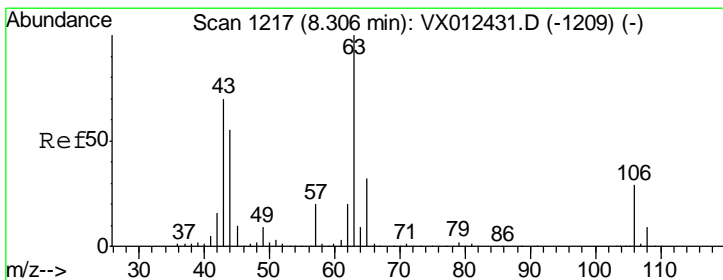
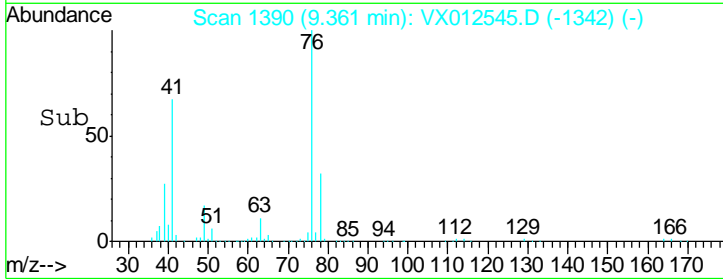
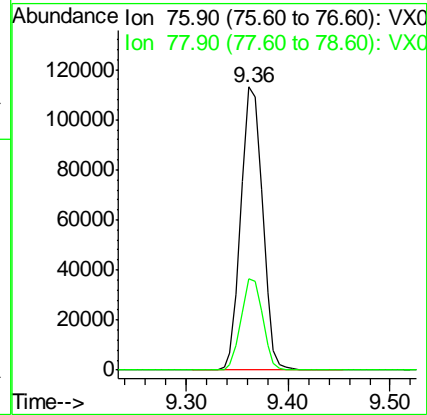
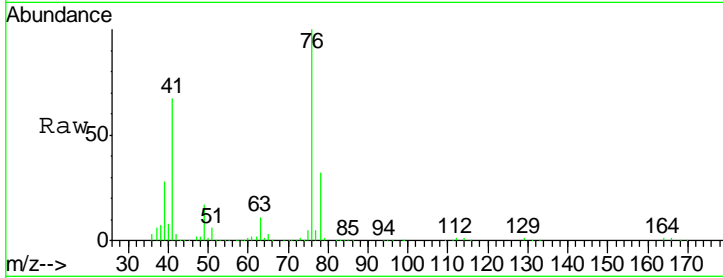
#57
 1,3-Dichloropropane
 Concen: 52.994 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
76	165831		
76	100		
78	32.3	26.2	39.2

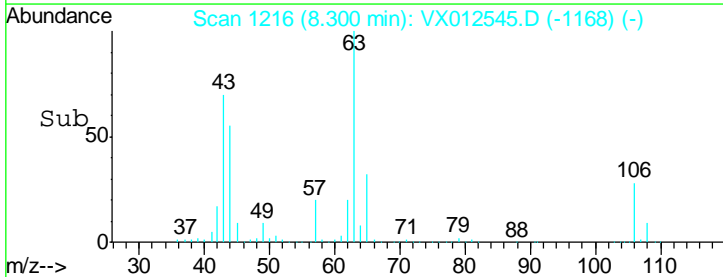
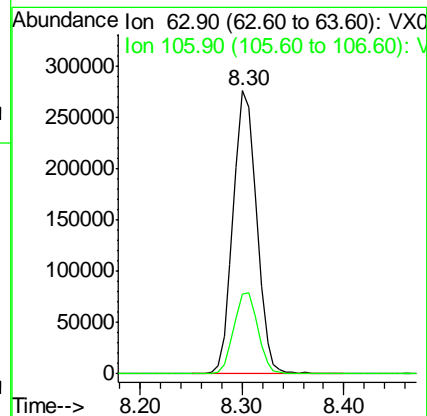
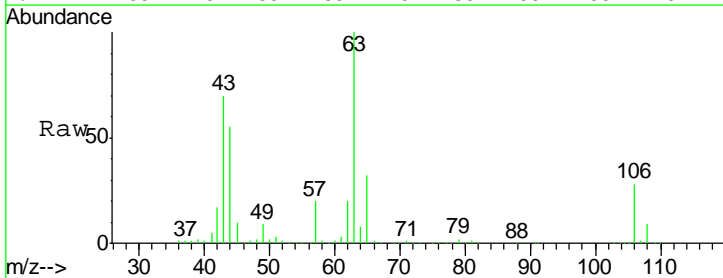
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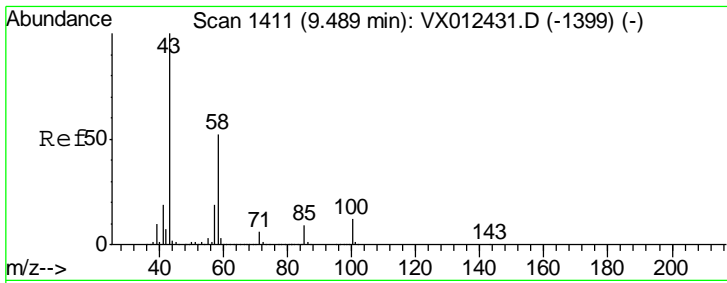
MMDadoda
 9/23/2019 11:29:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.593 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
63	440625		
63	100		
106	29.3	23.8	35.6





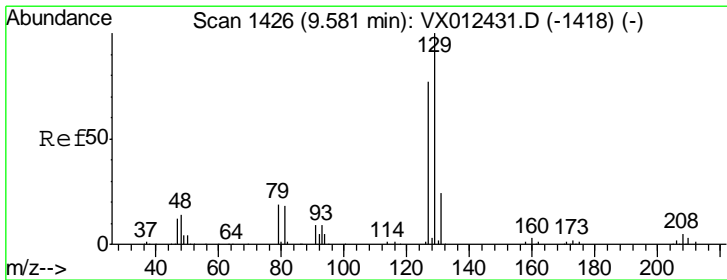
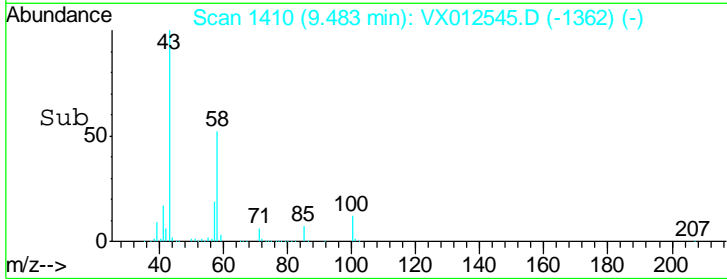
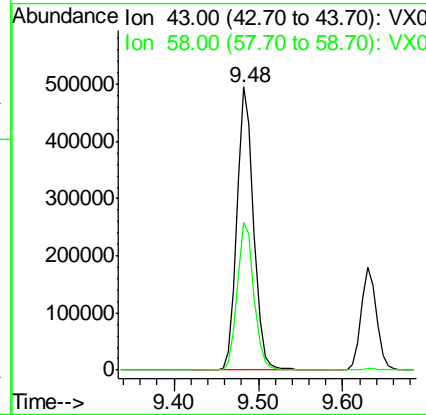
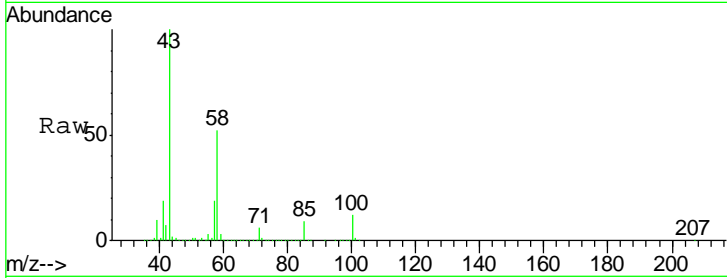
#59
 2-Hexanone
 Concen: 253.818 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	52.6	25.7	77.1

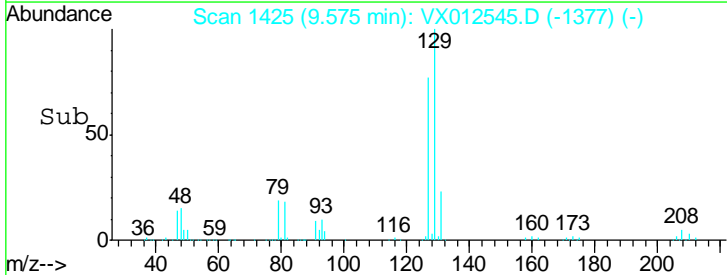
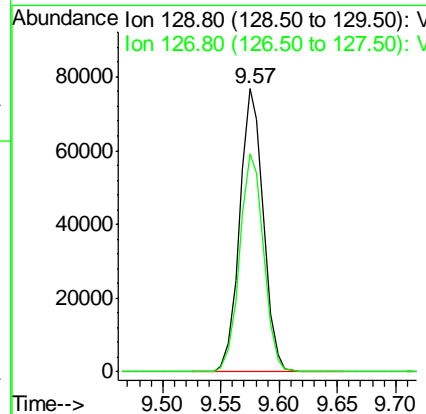
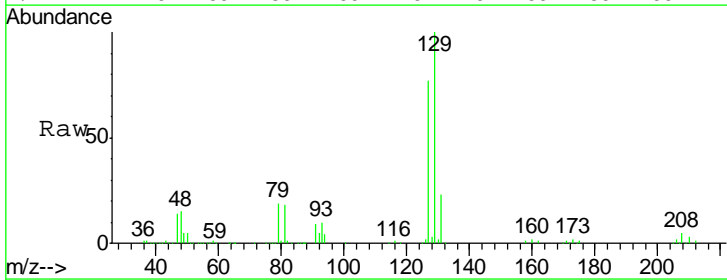
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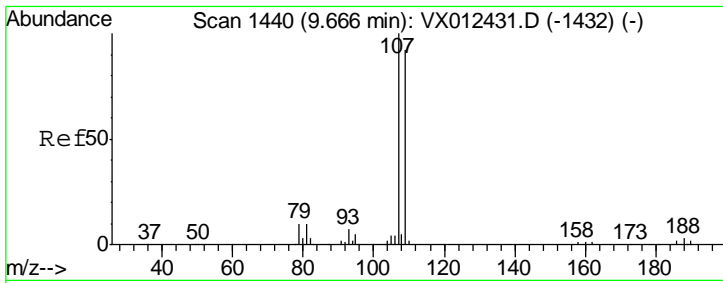
MMDadoda
 9/23/2019 11:29:30 AM



#60
 Dibromochloromethane
 Concen: 54.376 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.9	38.9	116.6





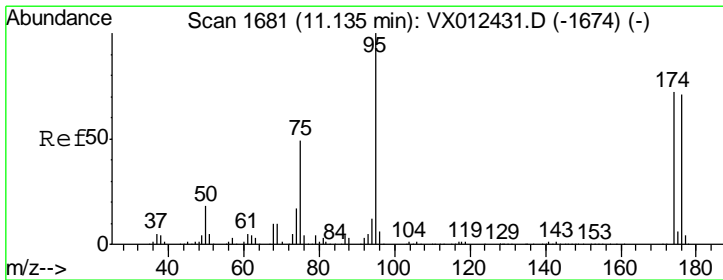
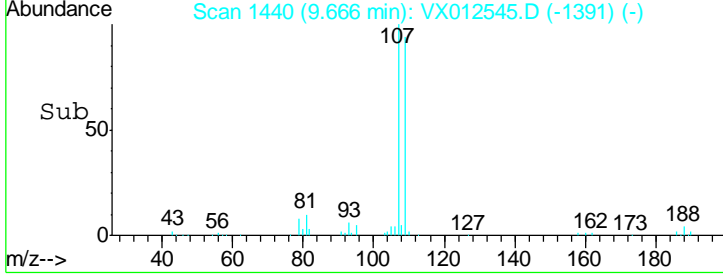
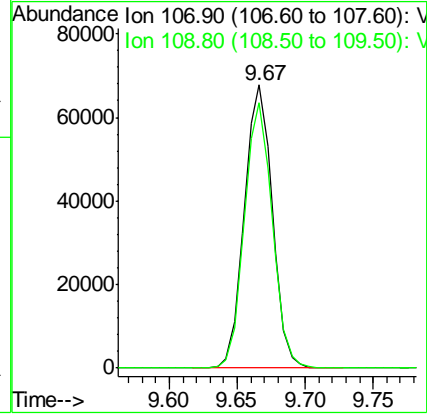
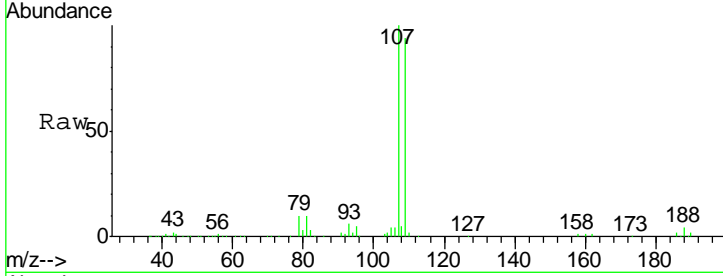
#61
 1,2-Dibromoethane
 Concen: 54.432 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
107	97501		
109	93.5	74.7	112.1

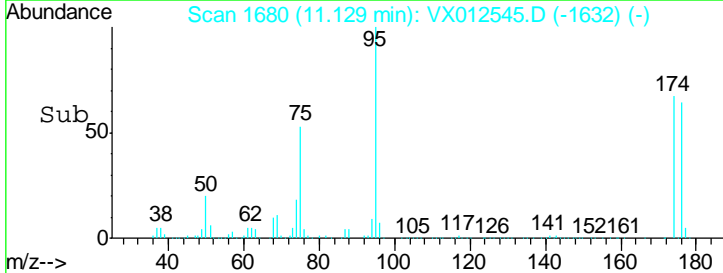
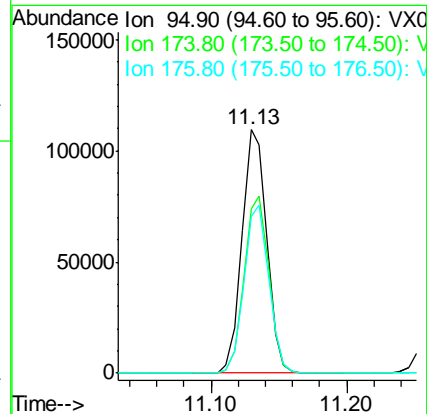
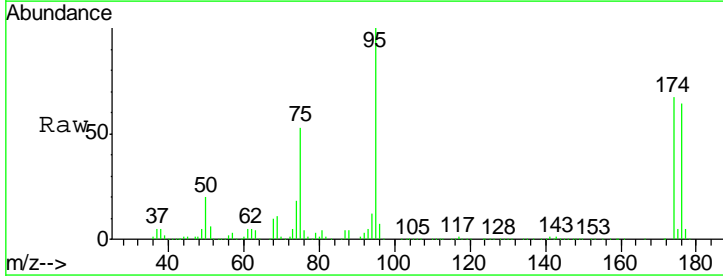
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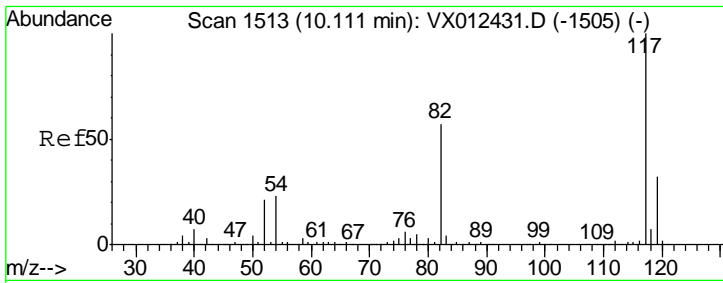
MMDadoda
 9/23/2019 11:29:30 AM



#62
 4-Bromofluorobenzene
 Concen: 48.764 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
95	138664		
174	72.8	0.0	140.0
176	69.1	0.0	135.4



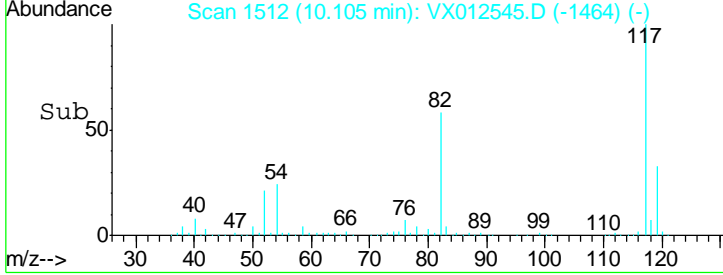
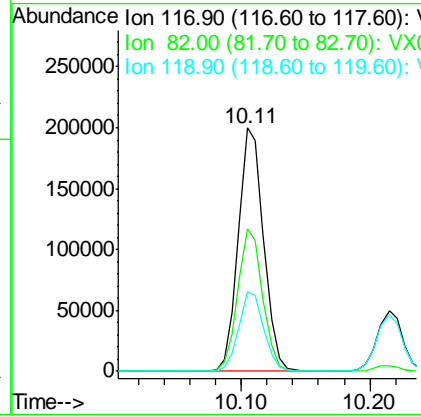
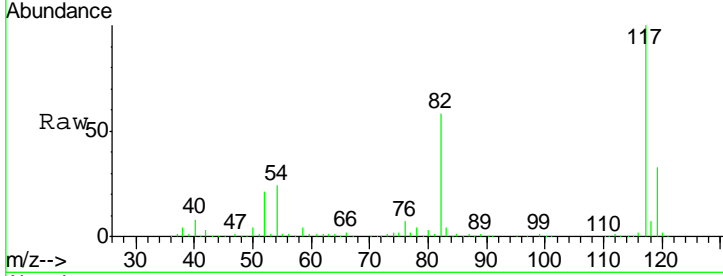


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

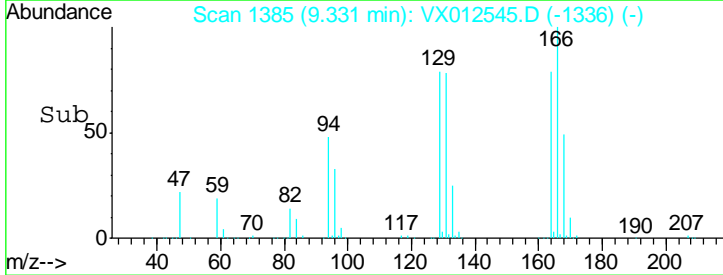
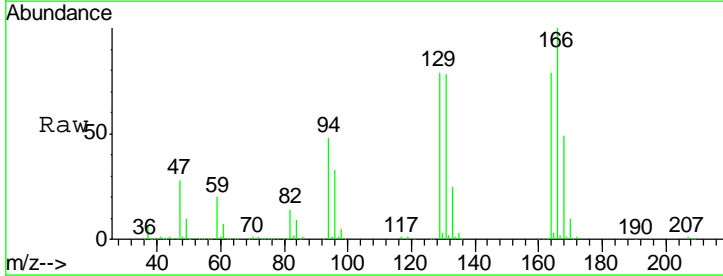
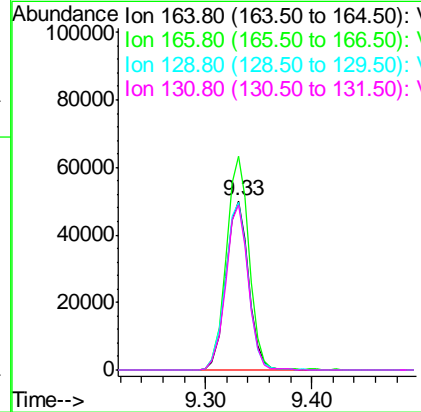
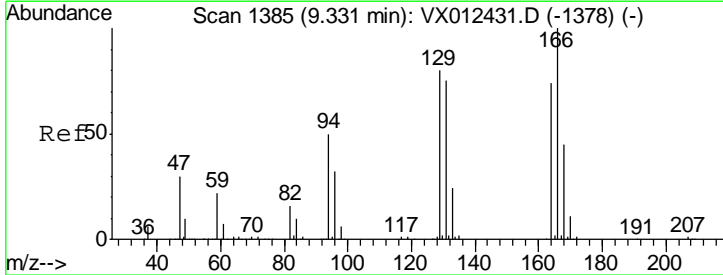
Tgt Ion	Resp	Lower	Upper
117	100		
82	58.3	45.9	68.9
119	32.5	25.3	37.9

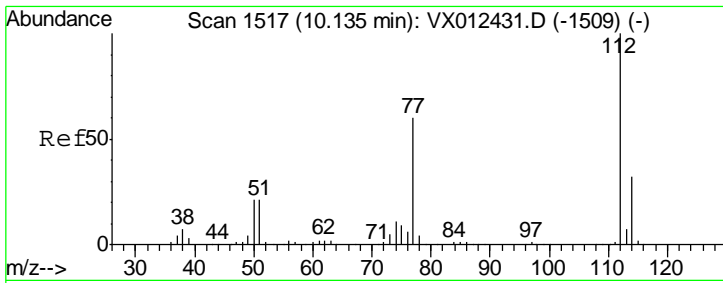
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#64
 Tetrachloroethene
 Concen: 59.386 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
164	100		
166	126.0	107.8	161.6
129	99.1	86.2	129.2
131	97.8	80.4	120.6



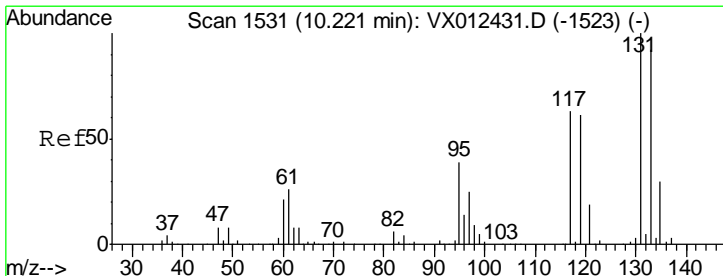
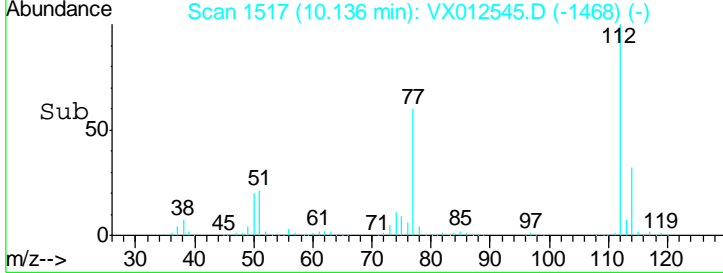
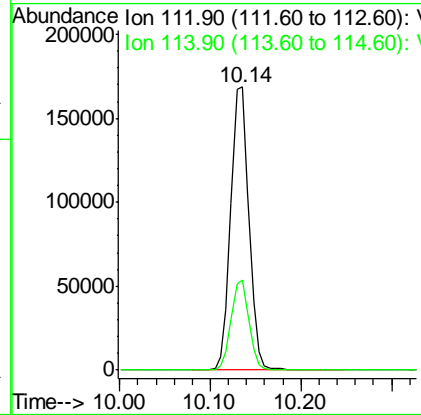
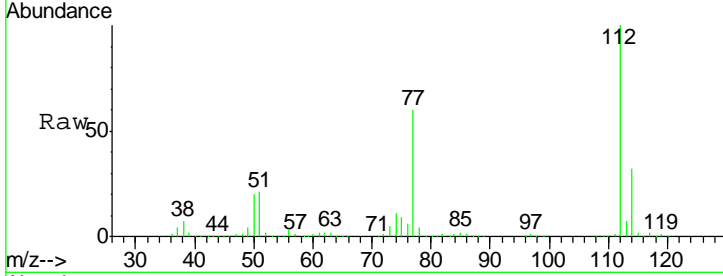


#65
 Chlorobenzene
 Concen: 52.251 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

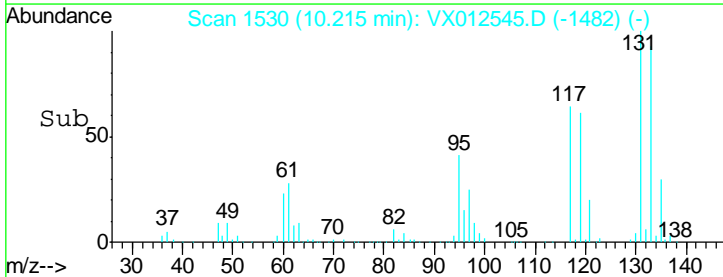
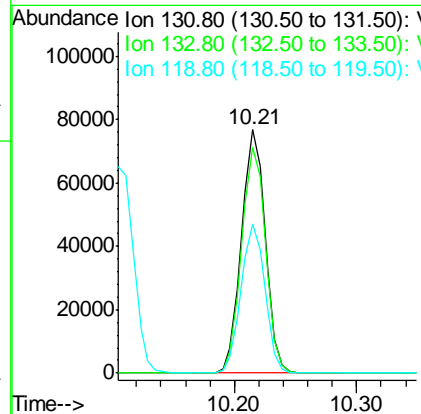
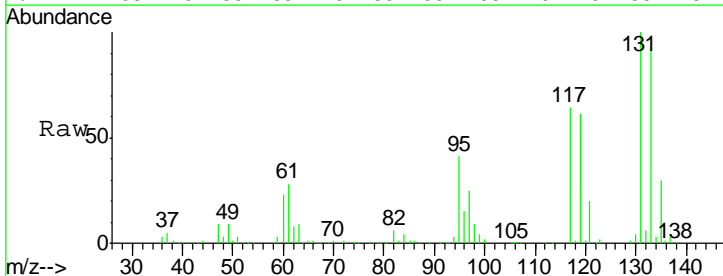
Tgt Ion	Resp	Lower	Upper
112	100		
114	31.6	25.4	38.0

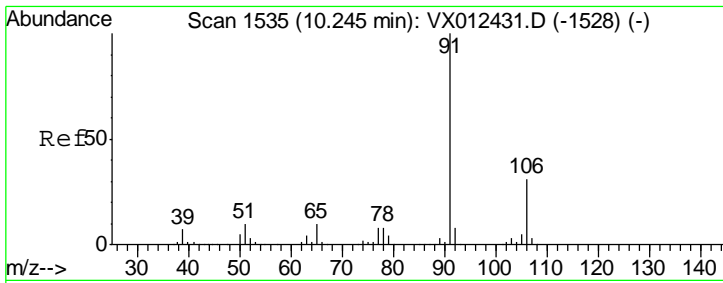
Manual Integrations
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 54.629 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
131	100		
133	93.6	47.6	142.9
119	61.8	31.3	93.8





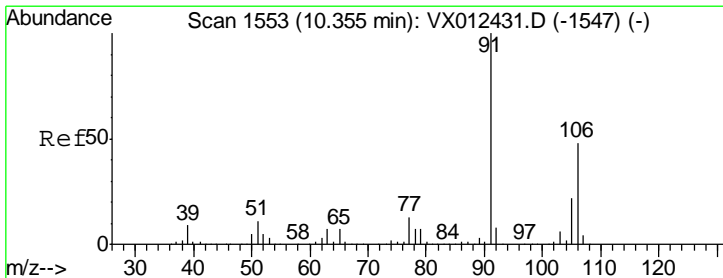
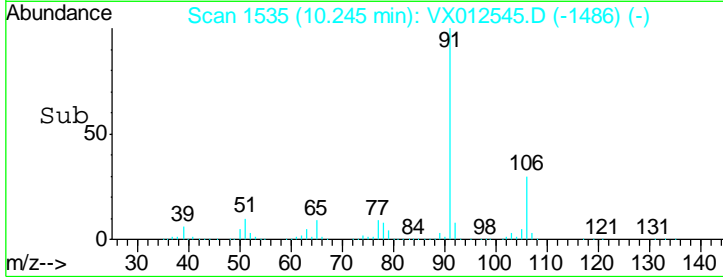
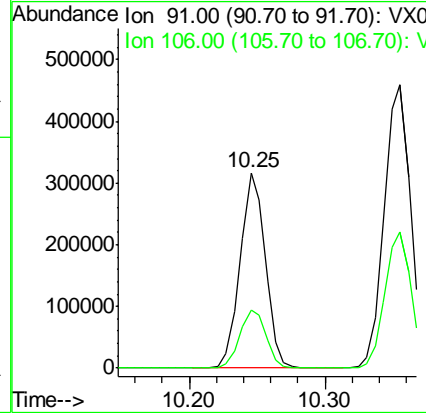
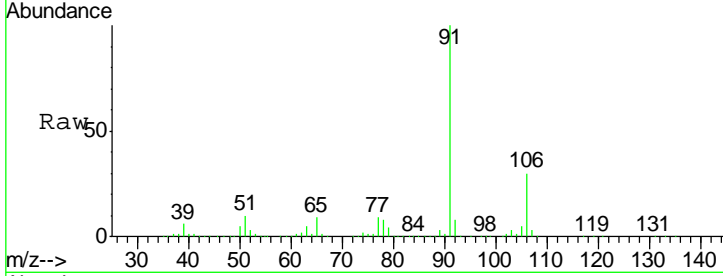
#67
Ethyl Benzene
Concen: 52.440 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	29.6	24.6	37.0

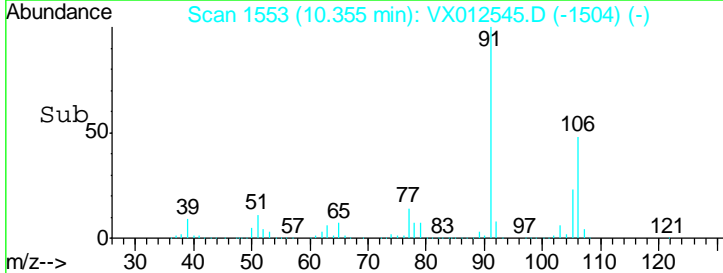
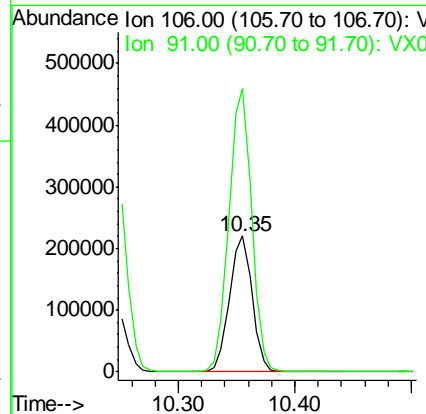
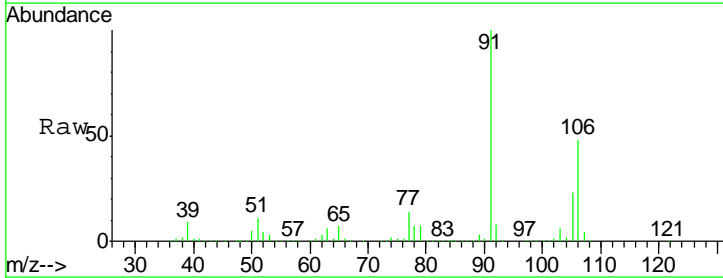
Manual Integrations
APPROVED

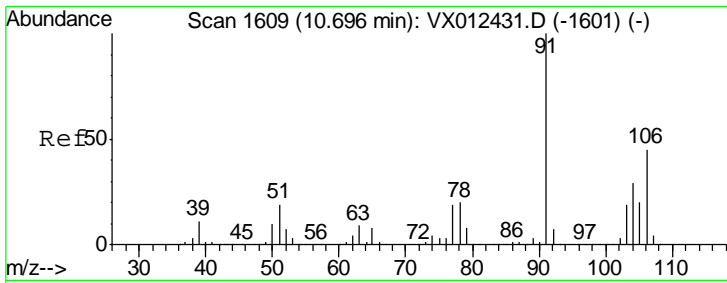
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9/23/2019 11:29:30 AM



#68
m/p-Xylenes
Concen: 105.160 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
106	100		
91	208.3	166.6	250.0



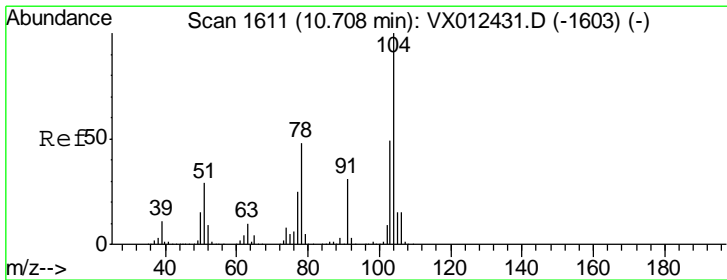
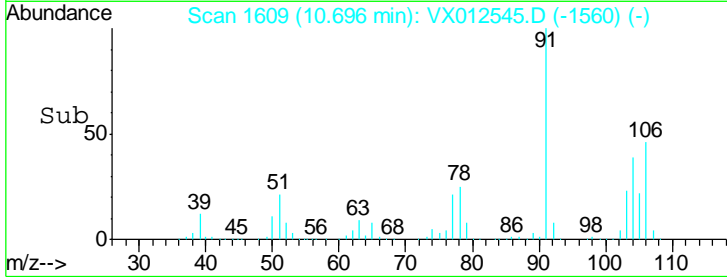
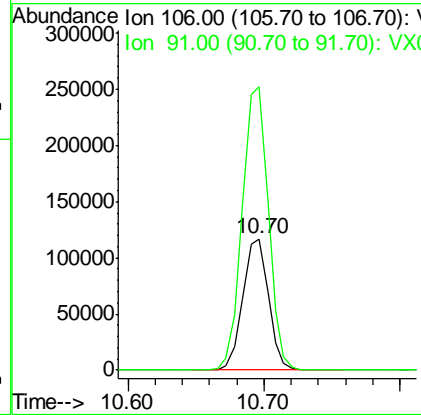
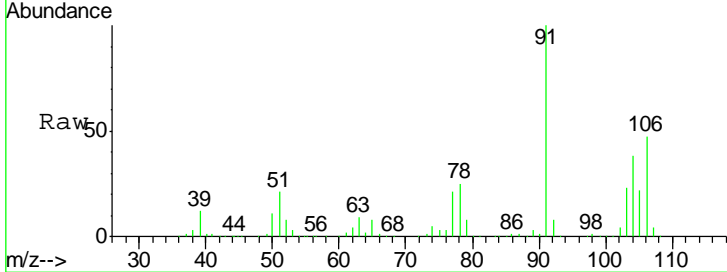


#69
 o-Xylene
 Concen: 52.734 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 Client Sampled : VSTDC050

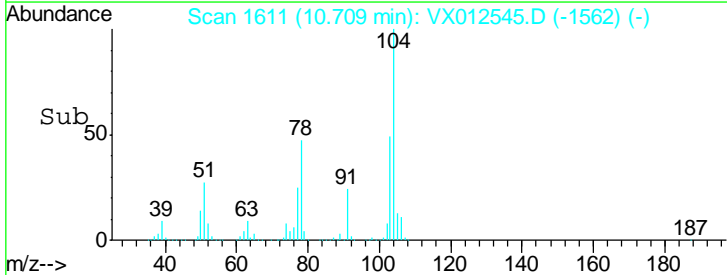
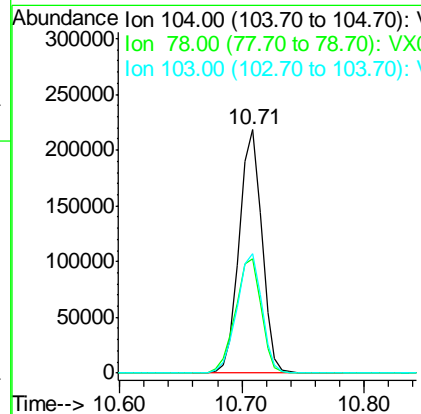
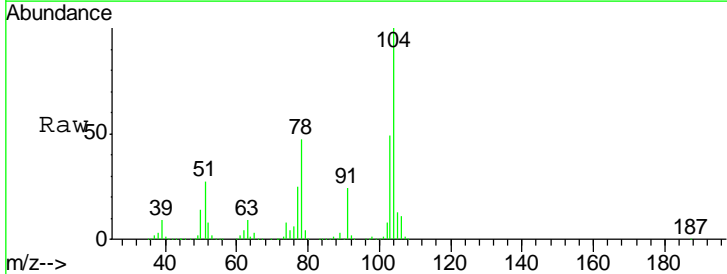
Tgt Ion	Resp	Lower	Upper
106	153636		
106	100		
91	220.6	109.4	328.2

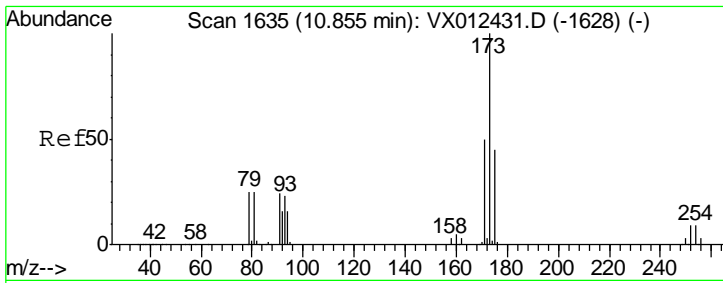
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#70
 Styrene
 Concen: 53.902 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
104	277844		
104	100		
78	54.0	43.4	65.2
103	54.4	43.3	64.9





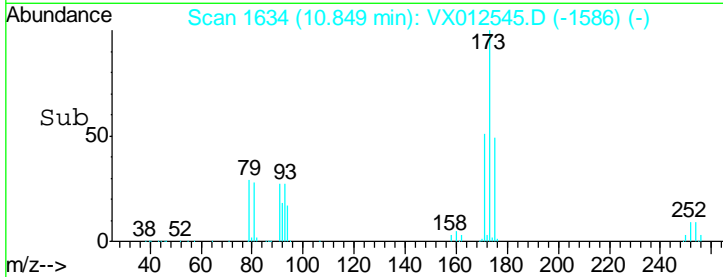
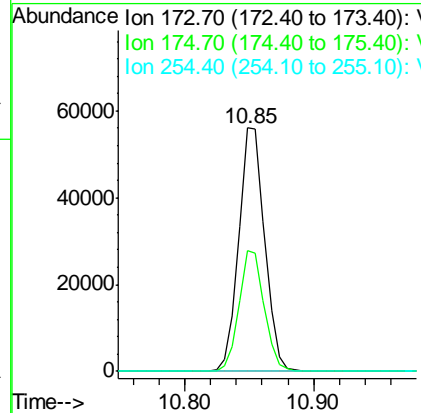
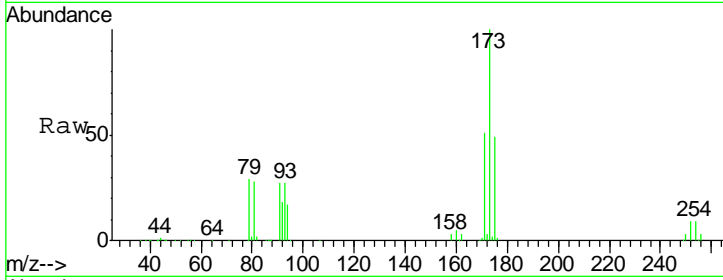
#71
 Bromoform
 Concen: 48.619 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.2	23.7	71.1
254	0.3	0.1	0.1

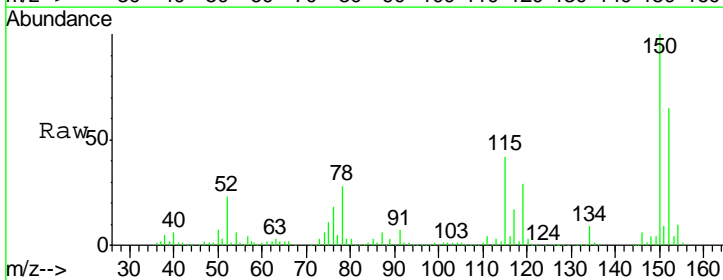
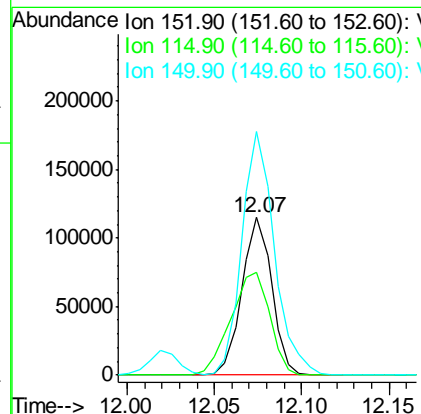
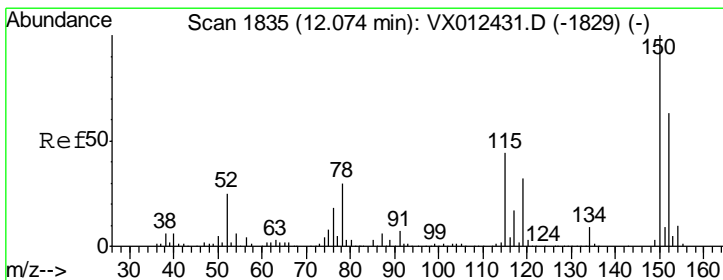
Manual Integrations
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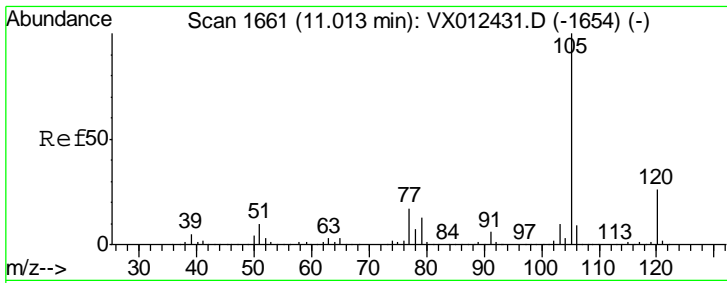
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 9/23/2019 11:29:30 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
152	100		
115	85.0	44.1	132.3
150	169.0	0.0	343.8



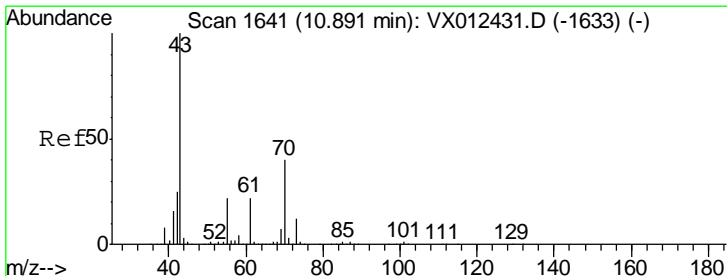
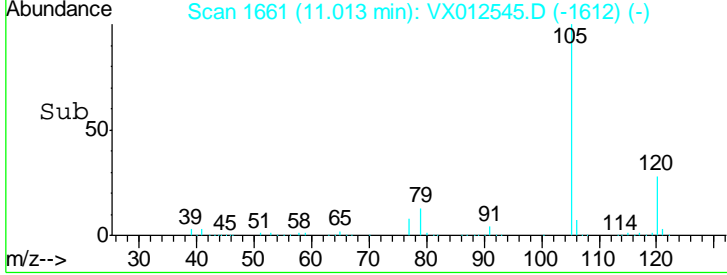
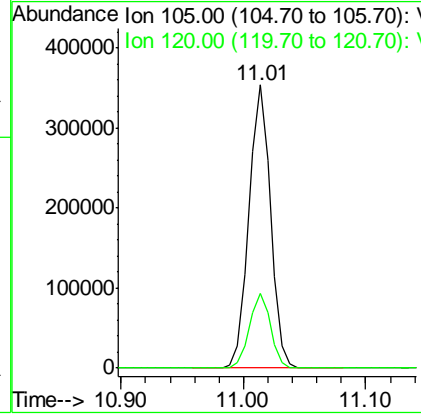
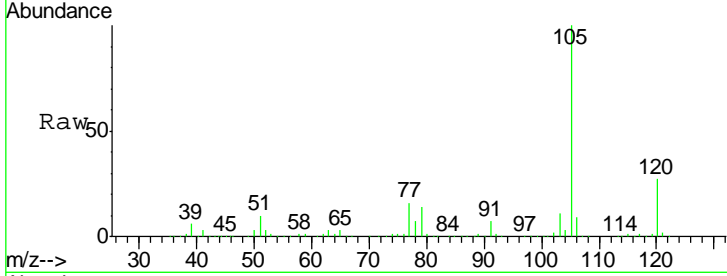


#73
 Isopropylbenzene
 Concen: 50.518 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

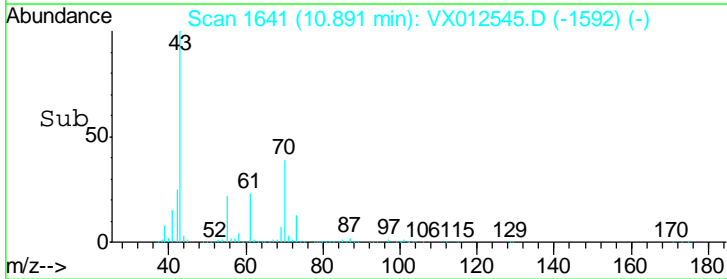
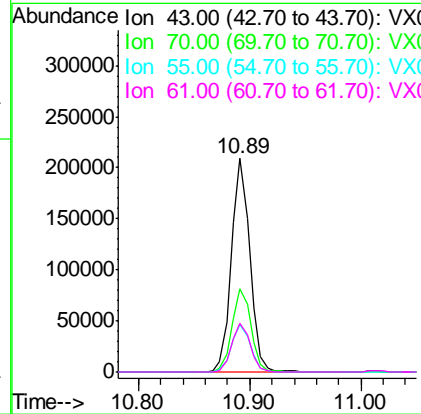
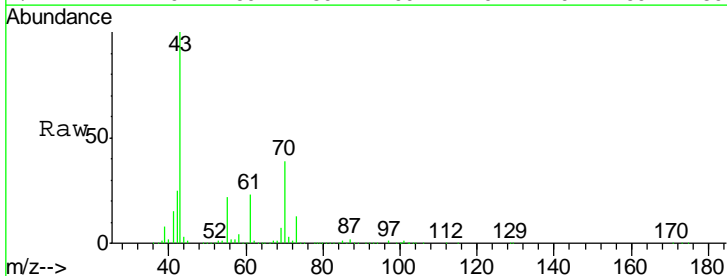
Tgt Ion	Resp	Lower	Upper
105	100		
120	25.9	12.9	38.7

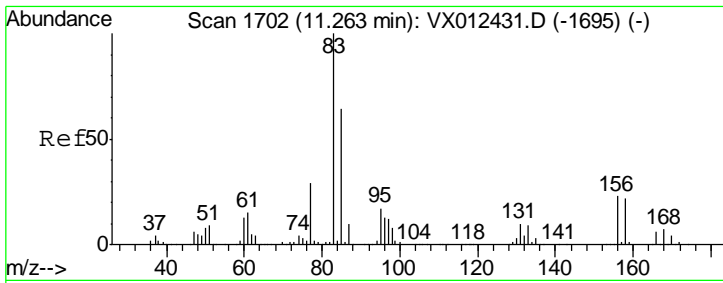
Manual Integrations
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#74
 N-amyl acetate
 Concen: 51.737 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
43	100		
70	40.3	32.4	48.6
55	23.0	18.2	27.4
61	23.1	18.5	27.7



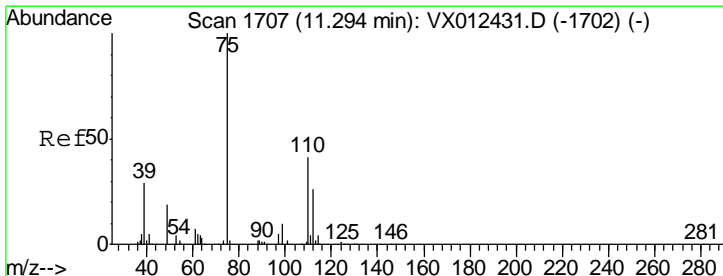
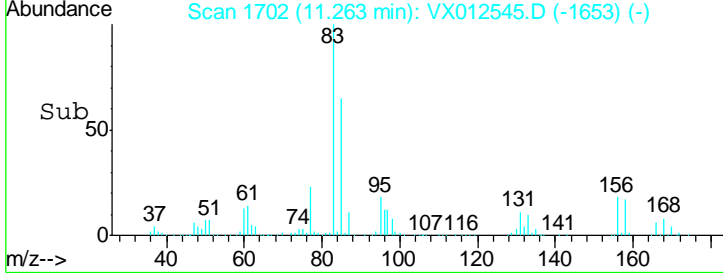
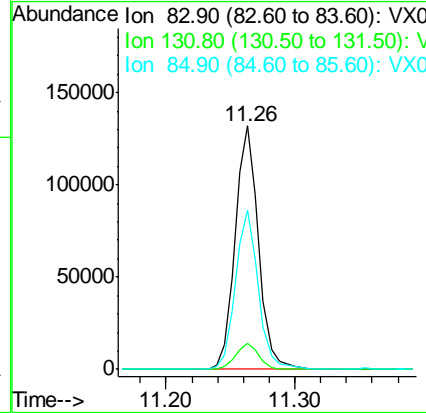
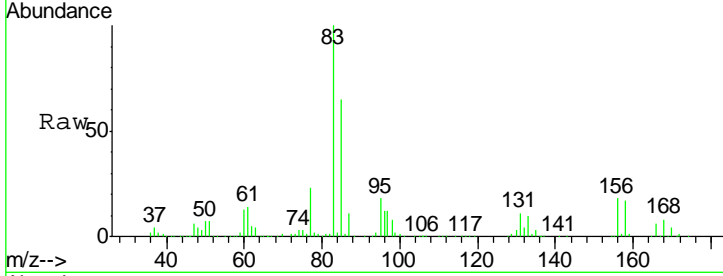


#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.739 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

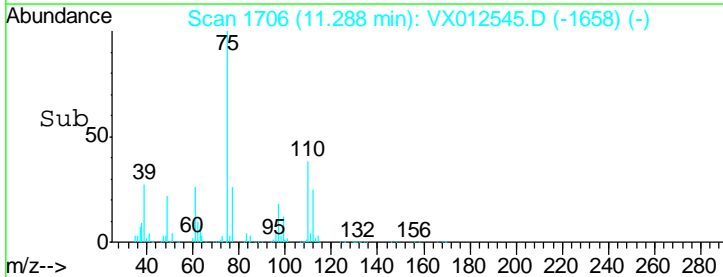
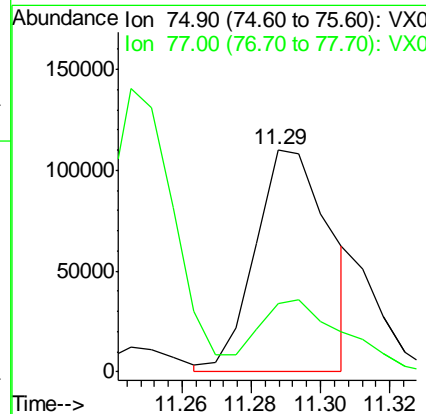
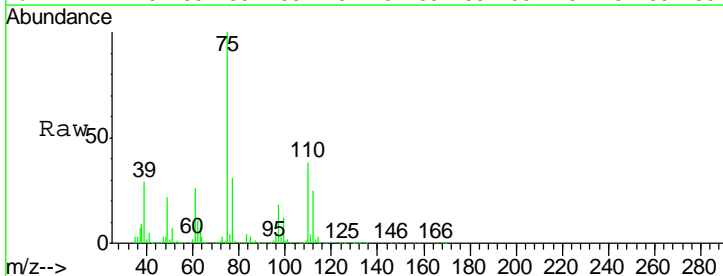
Tgt Ion	Resp	Lower	Upper
83	167139		
83	100		
131	10.5	5.2	15.6
85	64.3	32.0	96.0

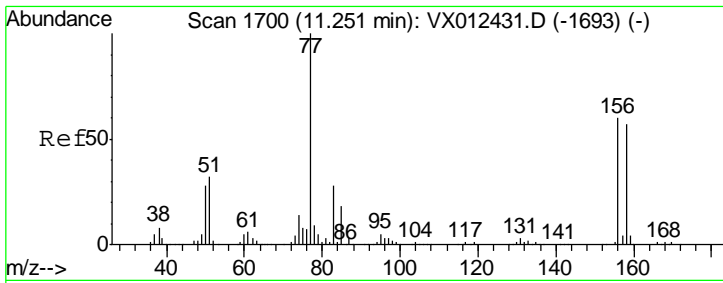
Manual Integrations
APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM



#76
 1,2,3-Trichloropropane
 Concen: 52.487 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
75	164605		
75	100		
77	36.7	19.7	59.0



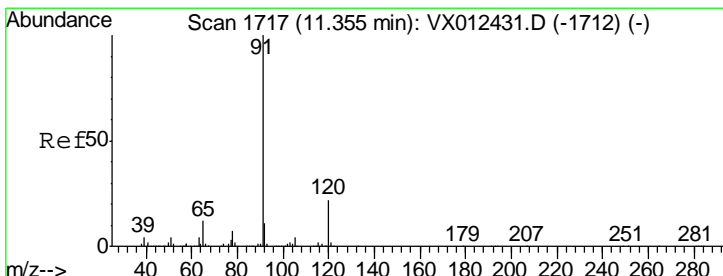
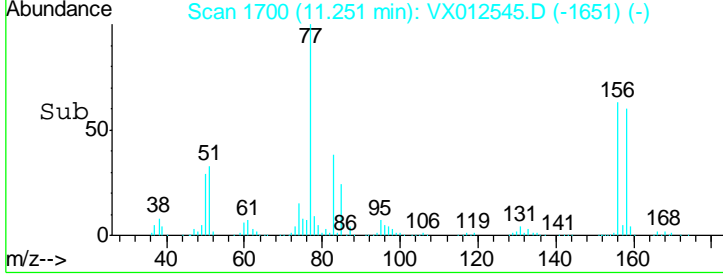
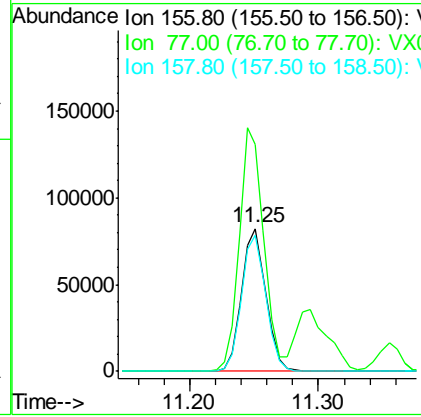
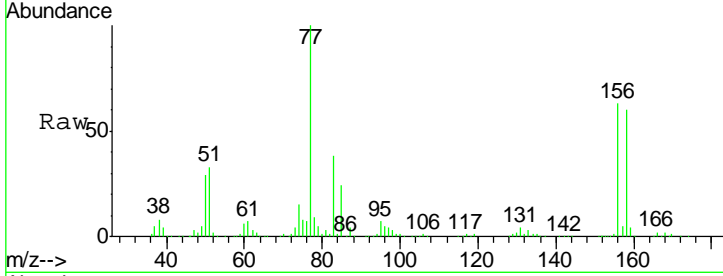


#77
 Bromobenzene
 Concen: 51.436 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

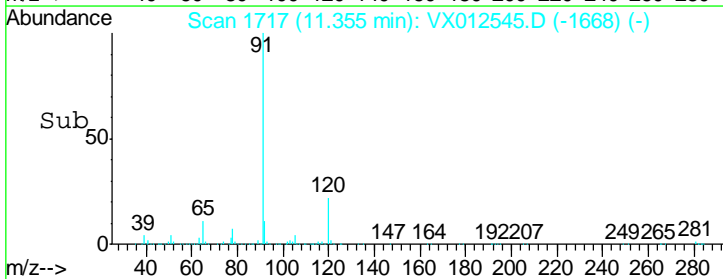
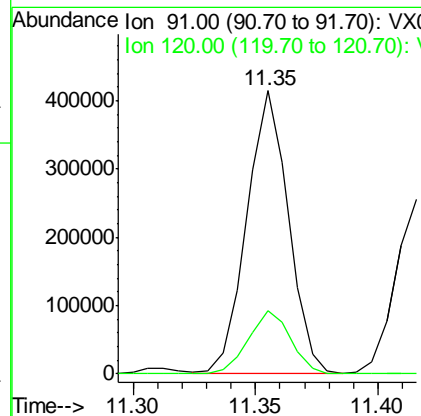
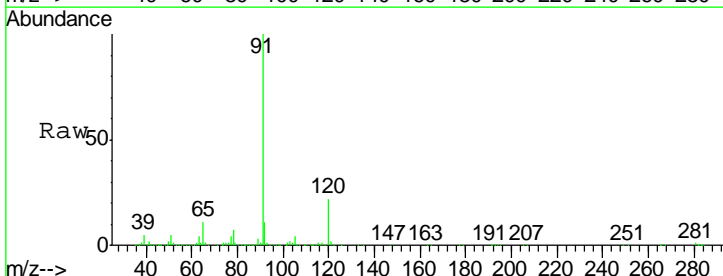
Tgt Ion	Resp	Lower	Upper
156	107458		
77	173.8	87.3	261.8
158	95.7	48.5	145.6

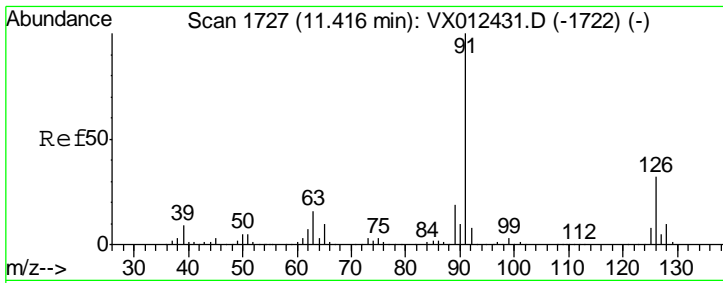
Manual Integrations
APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM



#78
 n-propylbenzene
 Concen: 50.915 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
91	486113		
120	23.0	11.3	33.8



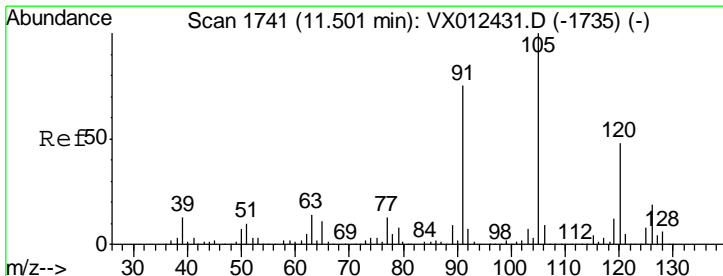
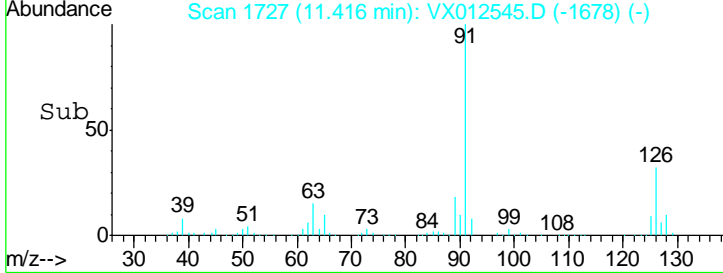
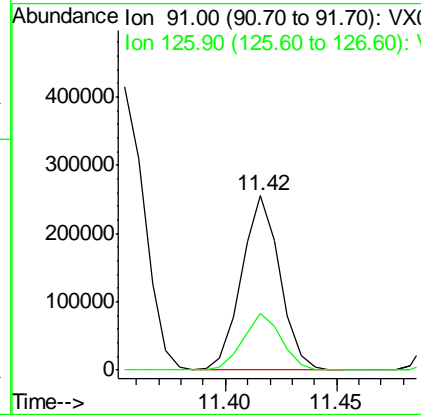
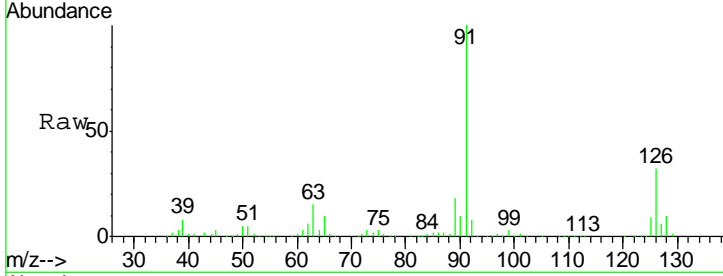


#79
 2-Chlorotoluene
 Concen: 49.093 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

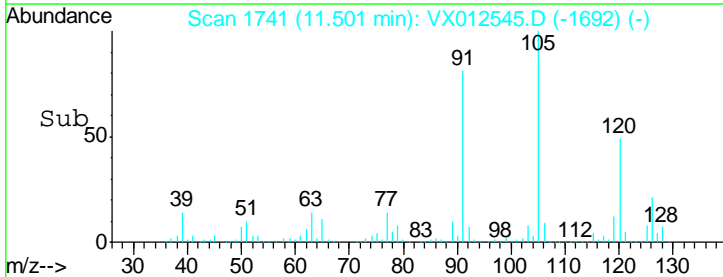
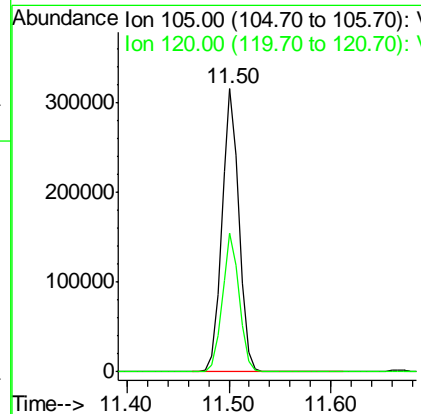
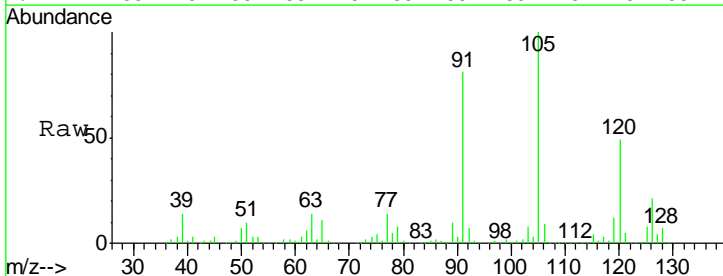
Tgt Ion	Resp	Lower	Upper
91	100		
126	32.6	16.4	49.4

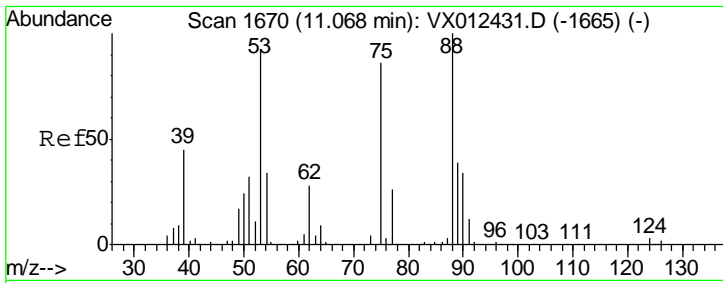
Manual Integrations APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.716 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
105	100		
120	48.4	24.3	72.8



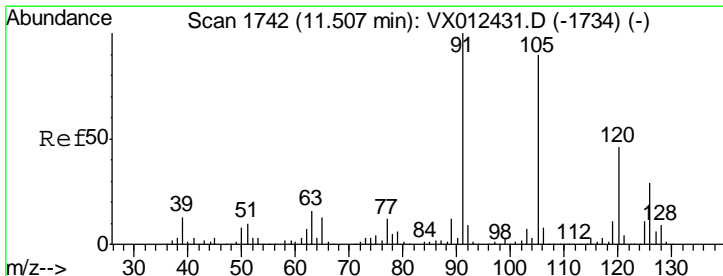
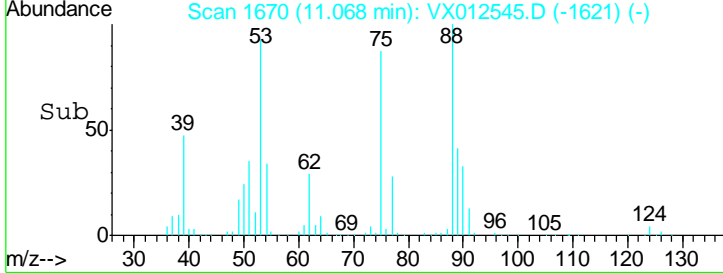
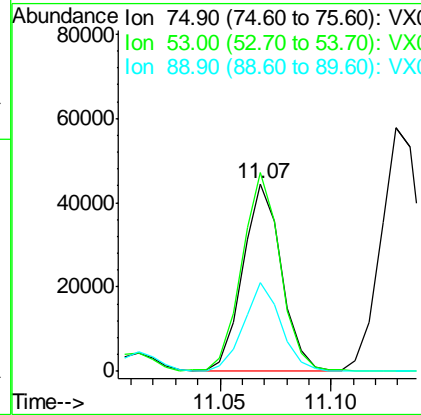
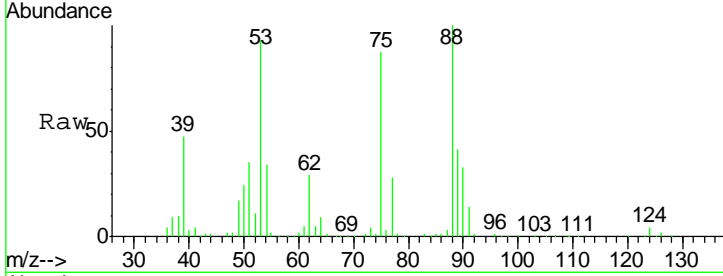


#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.616 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

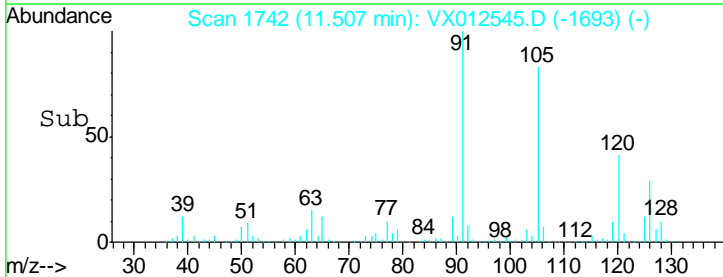
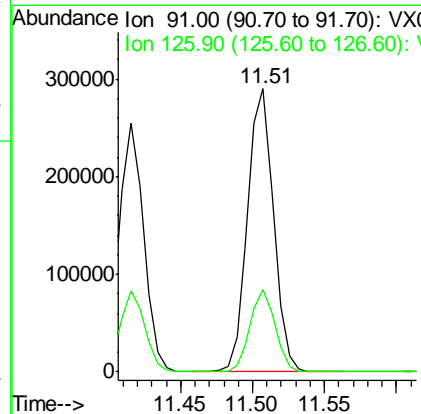
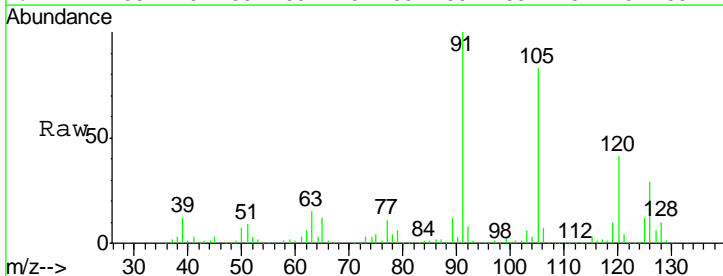
Tgt Ion	Resp	Lower	Upper
75	52996		
75	100		
53	106.6	83.6	125.4
89	46.3	36.3	54.5

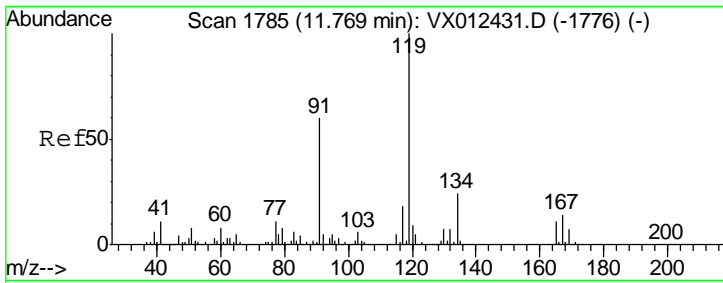
Manual Integrations
APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM



#82
 4-Chlorotoluene
 Concen: 50.688 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
91	361332		
91	100		
126	28.2	14.4	43.0



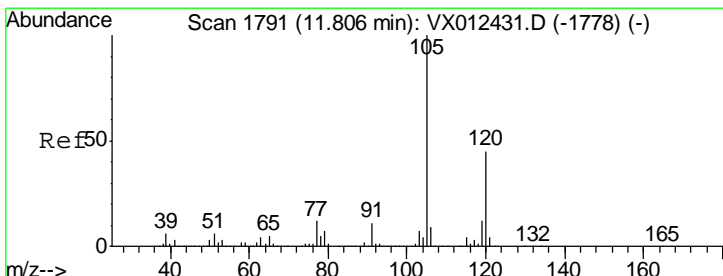
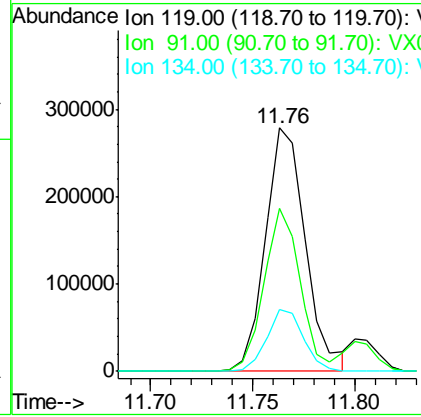
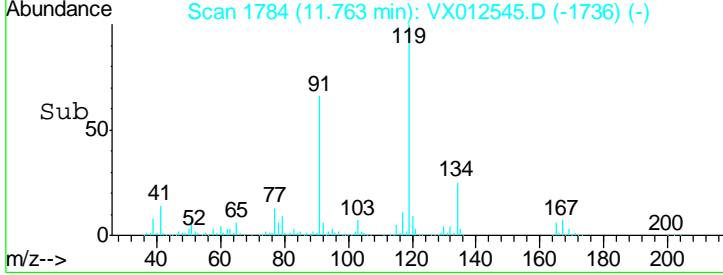
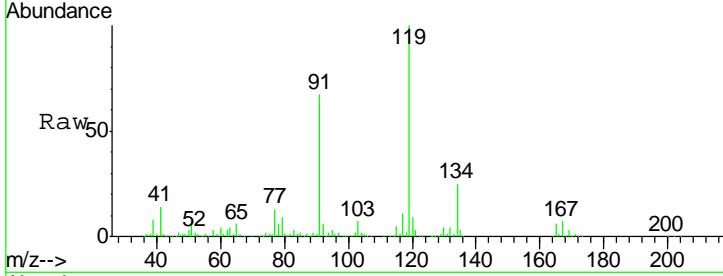


#83
 tert-Butylbenzene
 Concen: 48.771 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

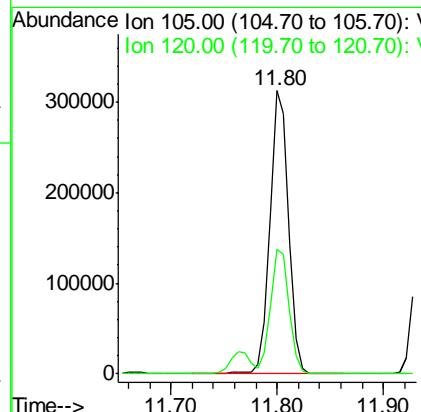
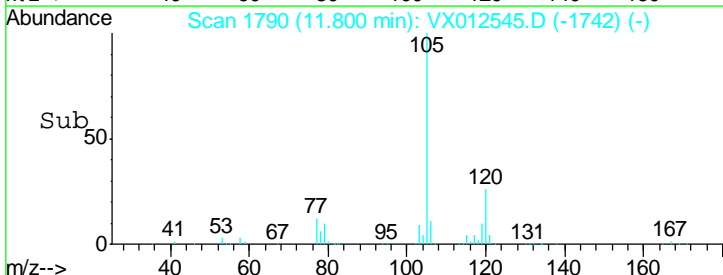
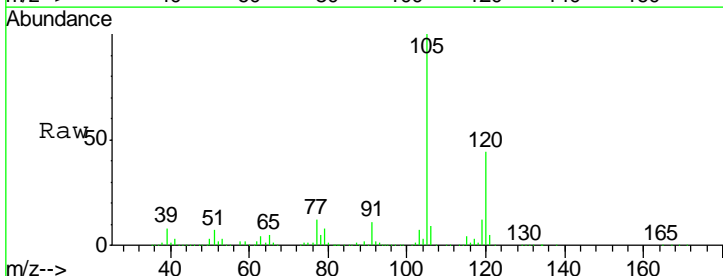
Tgt Ion	Resp	Lower	Upper
119	381798		
91	60.2	30.0	90.0
134	23.4	11.3	33.9

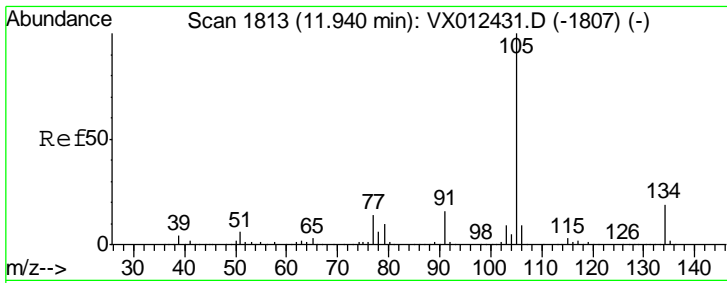
Manual Integrations
APPROVED
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 9/23/2019 11:29:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.886 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
105	381708		
120	43.9	22.2	66.6





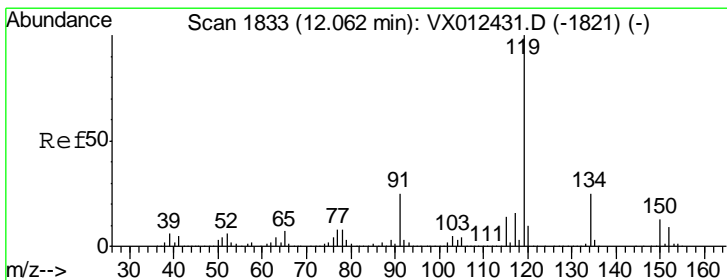
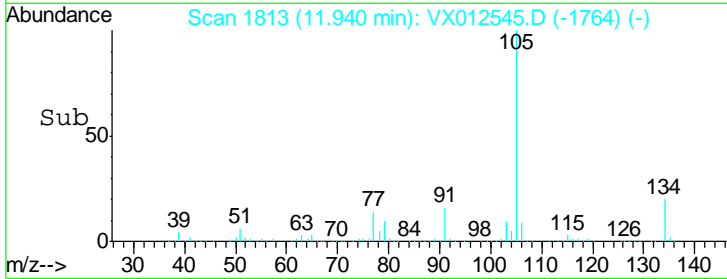
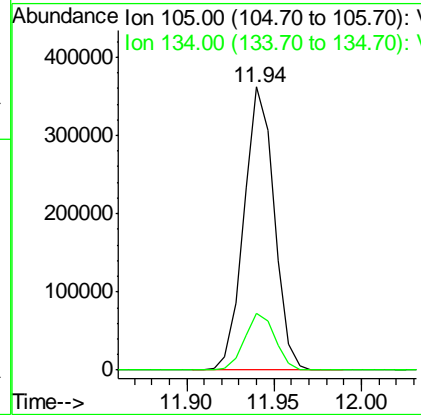
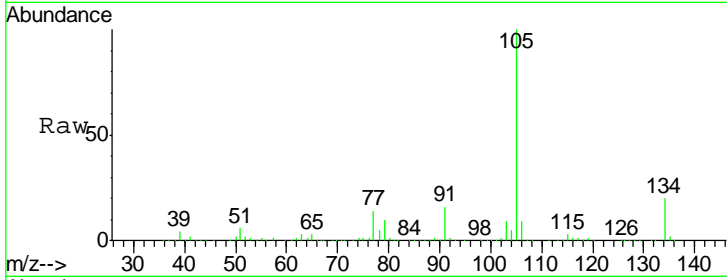
#85
 sec-Butylbenzene
 Concen: 50.360 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
105	434414		
134	20.3	9.8	29.4

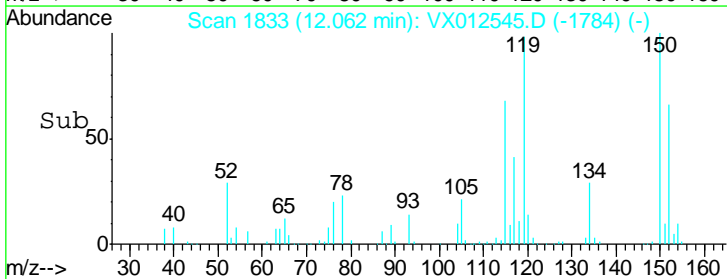
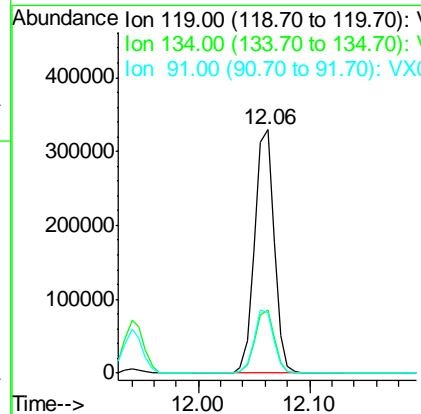
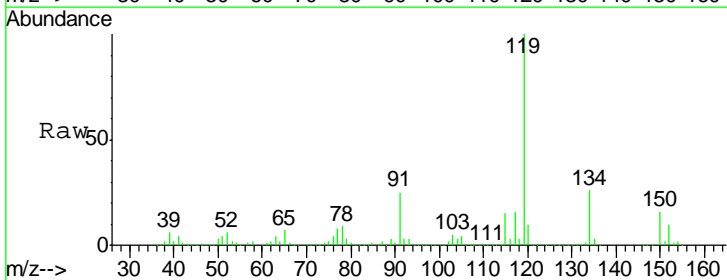
Manual Integrations
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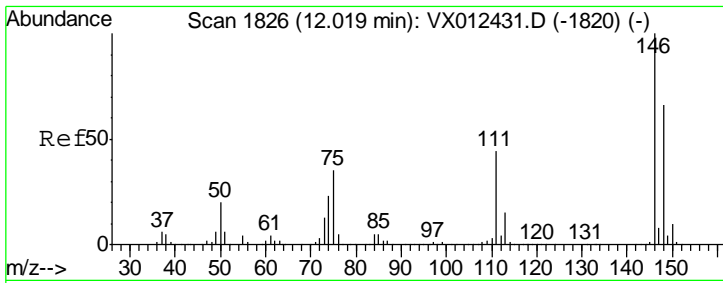
MMDadoda
 9/23/2019 11:29:30 AM



#86
 p-Isopropyltoluene
 Concen: 50.844 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
119	402734		
134	25.7	12.7	38.1
91	25.7	12.8	38.4



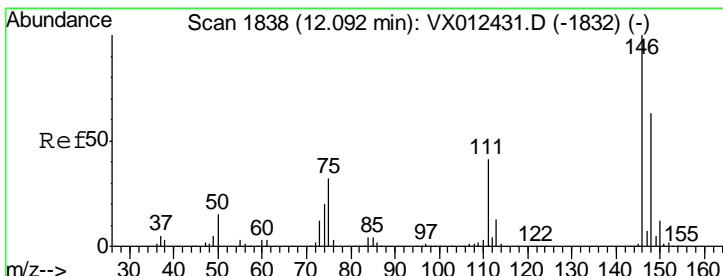
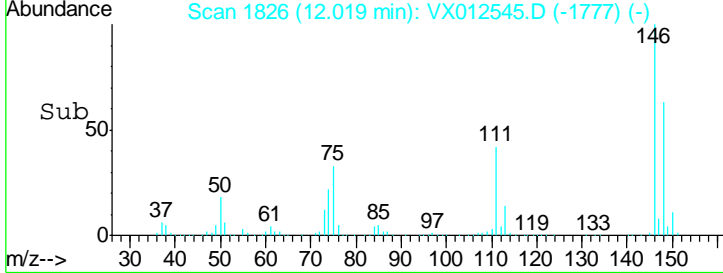
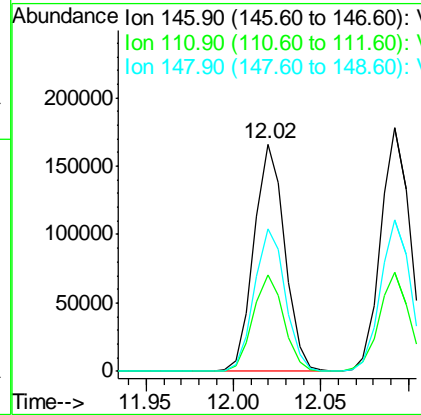
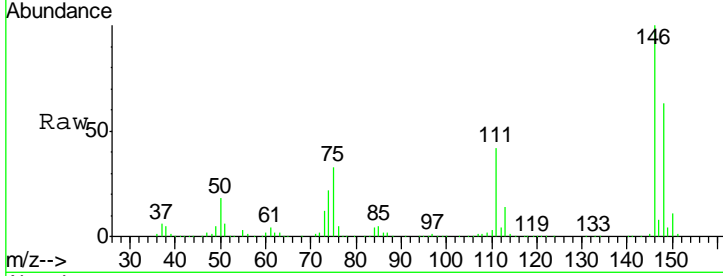


#87
 1,3-Dichlorobenzene
 Concen: 51.810 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

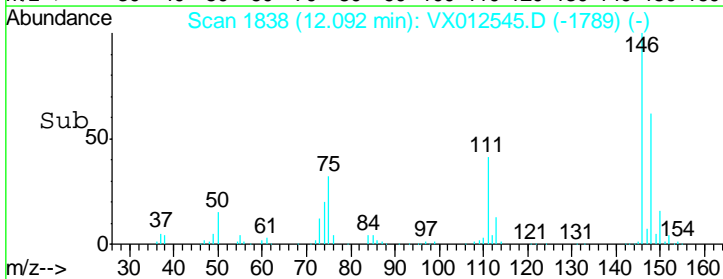
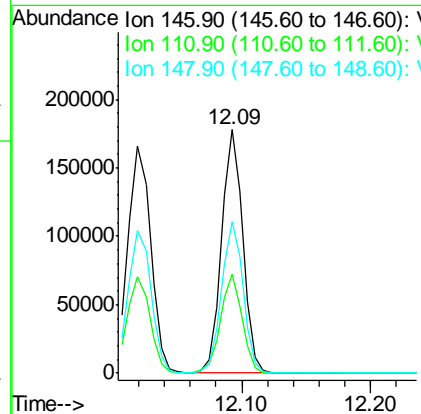
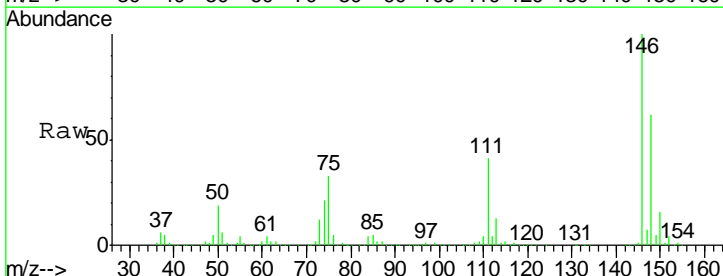
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.3	32.4	97.2

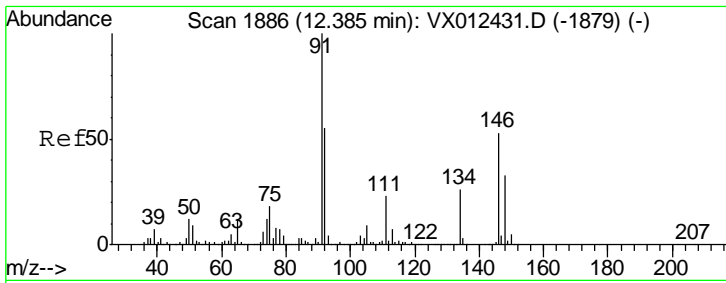
Manual Integrations APPROVED
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 9/23/2019 11:29:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.441 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.3
148	63.4	32.1	96.5



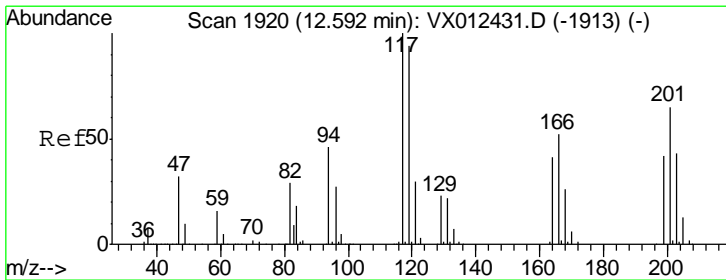
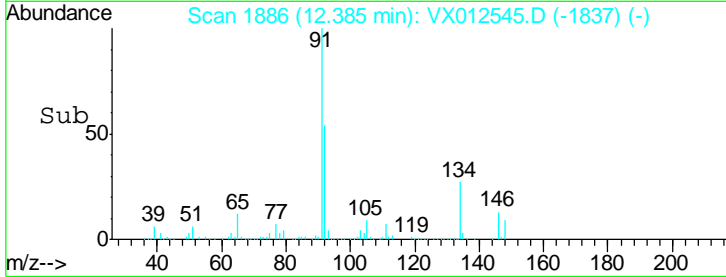
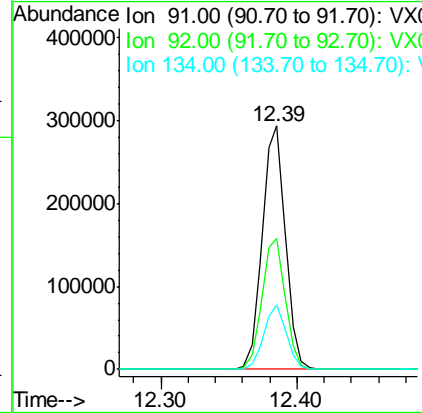
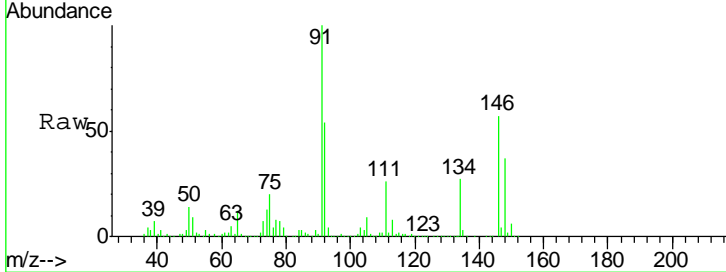


#89
 n-Butylbenzene
 Concen: 49.789 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

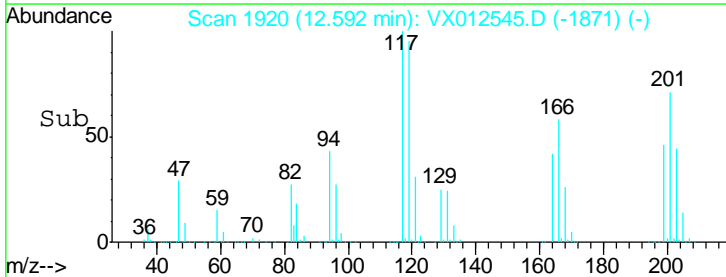
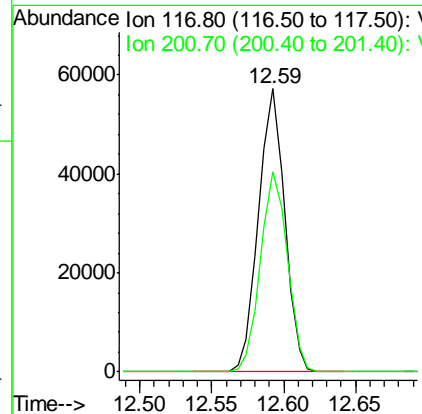
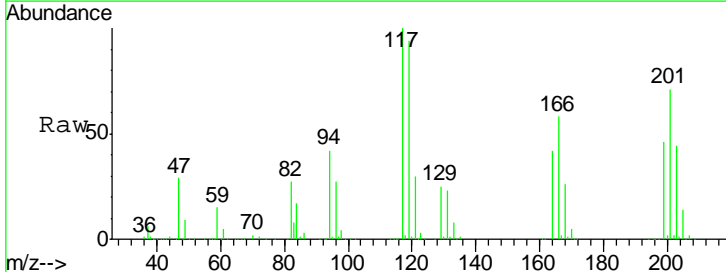
Tgt Ion	Resp	Lower	Upper
91	100		
92	54.5	27.7	83.0
134	25.8	12.9	38.6

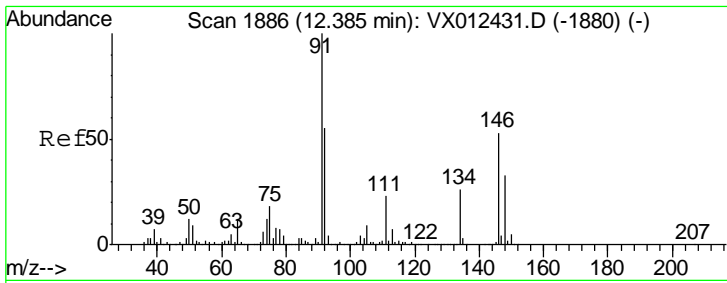
Manual Integrations
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 MMDadoda
 9/23/2019 11:29:30 AM



#90
 Hexachloroethane
 Concen: 49.441 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Resp	Lower	Upper
117	100		
201	72.7	33.3	99.8



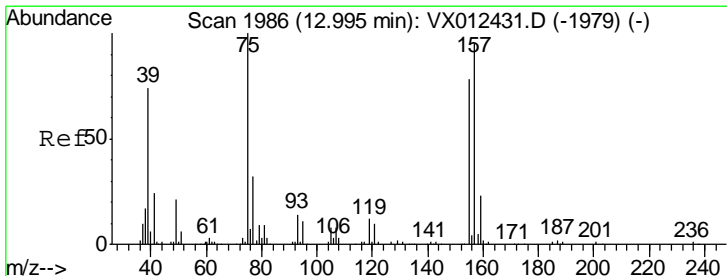
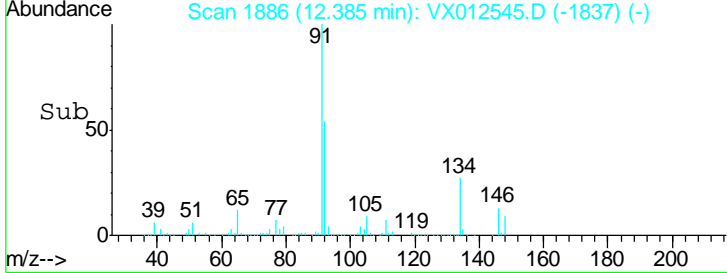
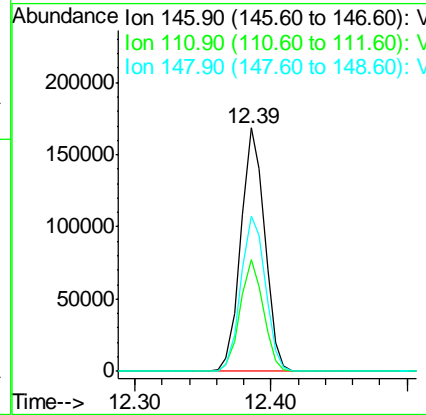
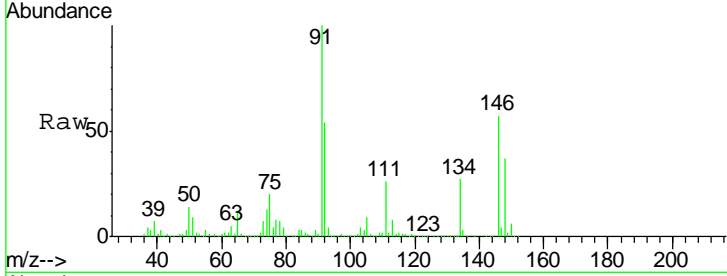


#91
 1,2-Dichlorobenzene
 Concen: 50.142 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

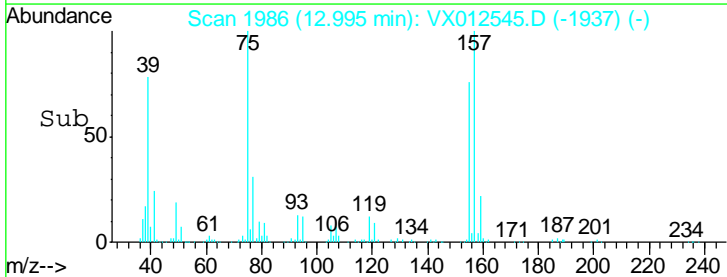
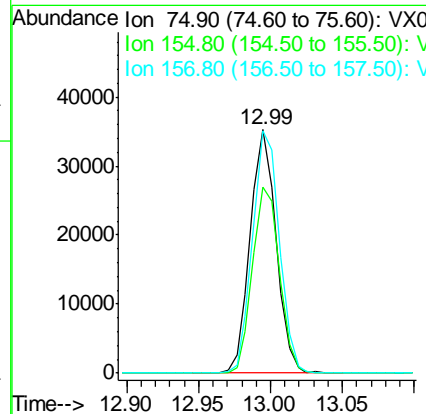
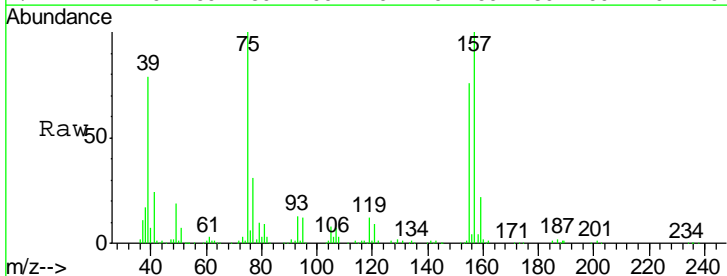
Tgt Ion	Resp	Lower	Upper
146	205955		
146	100		
111	44.8	22.1	66.1
148	65.9	31.3	93.9

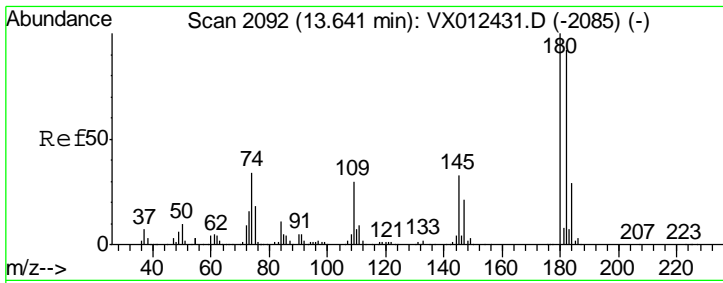
Manual Integrations
APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.294 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

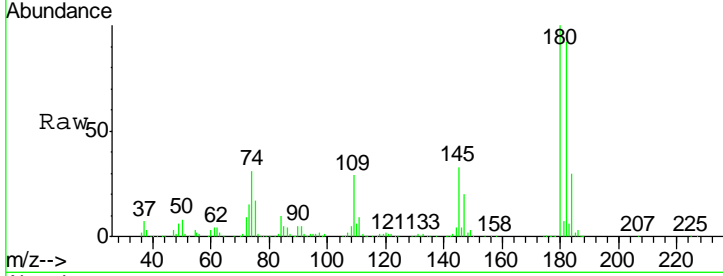
Tgt Ion	Resp	Lower	Upper
75	43815		
75	100		
155	79.0	38.6	115.8
157	102.2	50.6	151.9





#93
 1,2,4-Trichlorobenzene
 Concen: 53.958 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

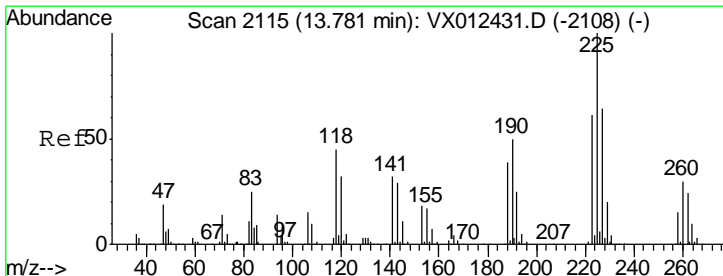
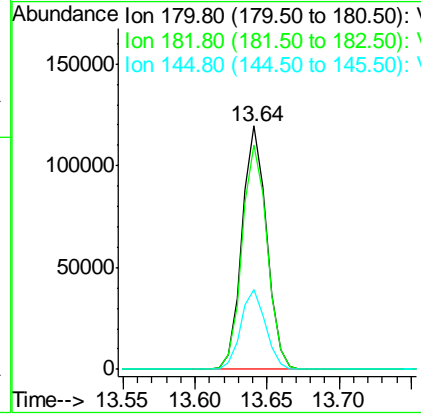
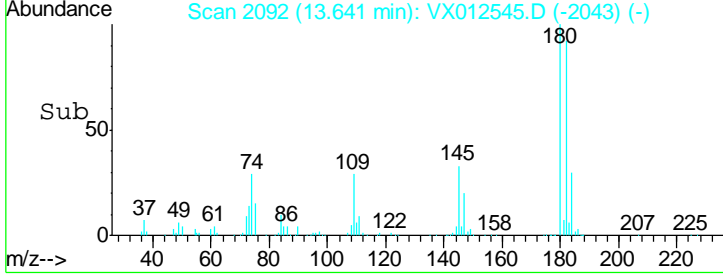
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050



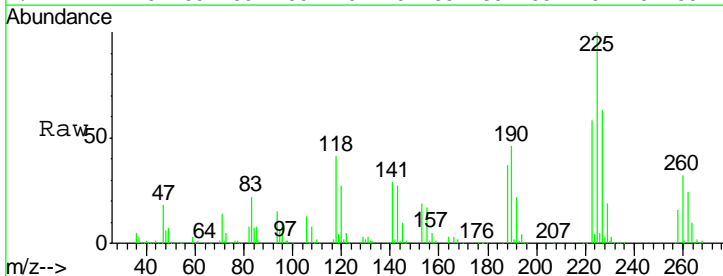
Tgt Ion:180 Resp: 142755

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	32.9	16.8	50.4

Manual Integrations
APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM

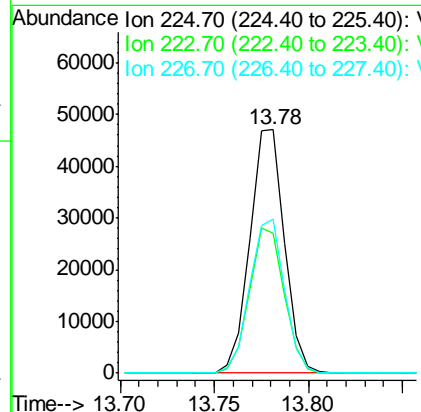
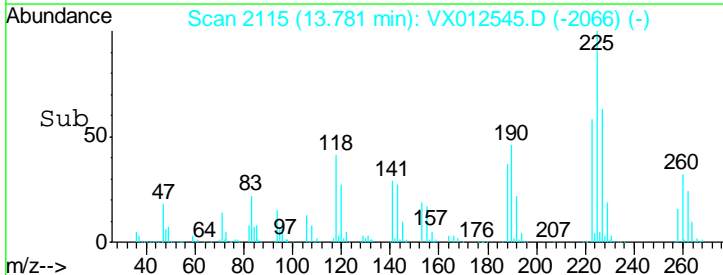


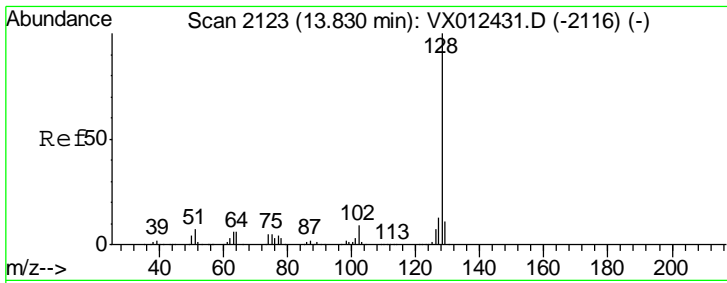
#94
 Hexachlorobutadiene
 Concen: 48.020 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16



Tgt Ion:225 Resp: 59878

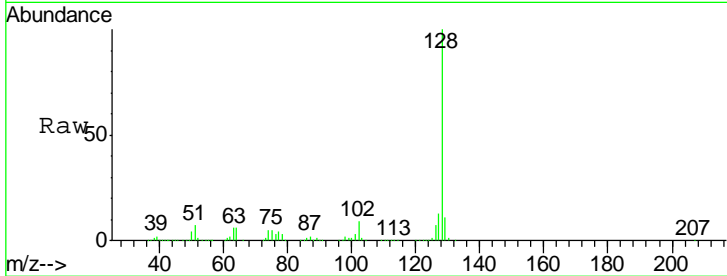
Ion	Ratio	Lower	Upper
225	100		
223	60.5	32.0	96.2
227	63.4	31.9	95.5





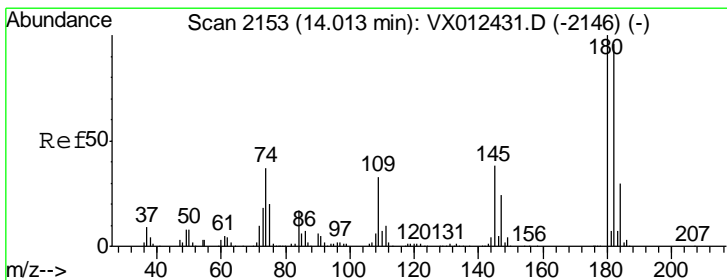
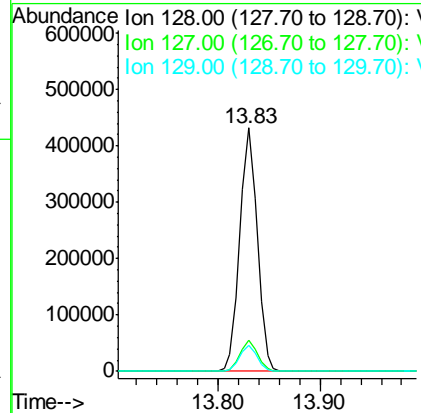
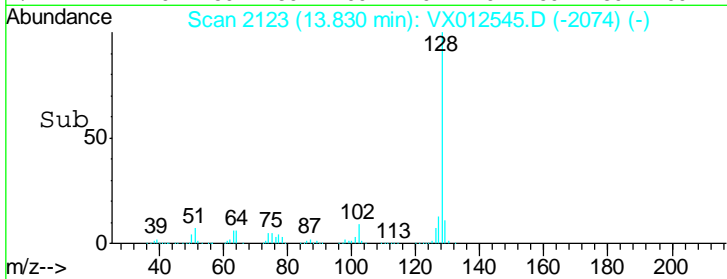
#95
 Naphthalene
 Concen: 54.079 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 Client Sampled : VSTDC050



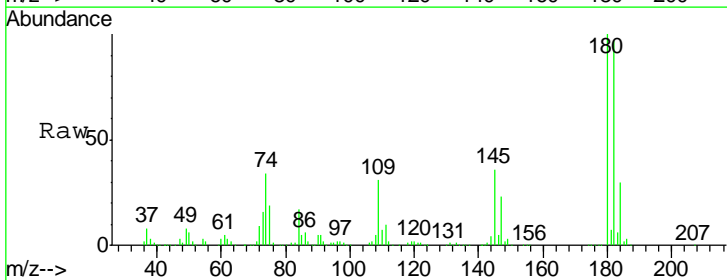
Tgt Ion	Resp	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations APPROVED
 MMDadoda
 9/23/2019 11:29:30 AM

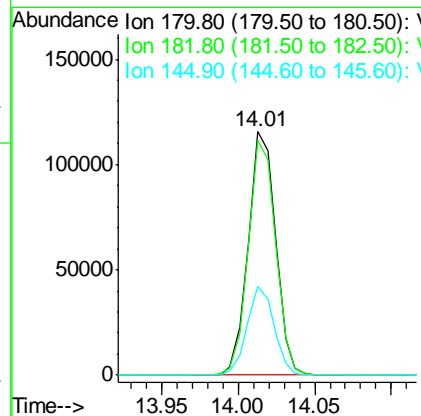
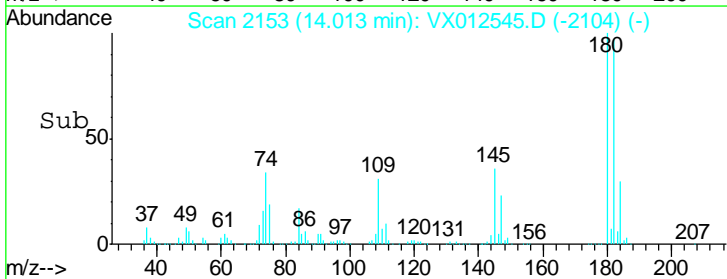


#96
 1,2,3-Trichlorobenzene
 Concen: 53.353 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument : MSVOA_X
 Client Sampled : VSTDC050



Tgt Ion	Resp	Lower	Upper
180	100		
182	96.5	47.1	141.3
145	35.8	18.0	54.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2 T	Dichlorodifluoromethane	50.000	46.494	7.0	99	0.00
3 P	Chloromethane	50.000	48.894	2.2	102	0.00
4 C	Vinyl Chloride	50.000	48.467	3.1#	100	0.00
5 T	Bromomethane	50.000	48.267	3.5	112	0.00
6 T	Chloroethane	50.000	44.061	11.9	103	0.00
7 T	Trichlorofluoromethane	50.000	51.153	-2.3	104	0.00
8 T	Diethyl Ether	50.000	50.710	-1.4	108	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.100	9.8	96	0.00
10 T	Methyl Iodide	50.000	47.239	5.5	105	0.00
11 T	Tert butyl alcohol	250.000	222.989	10.8	95	-0.01
12 CM	1,1-Dichloroethene	50.000	44.470	11.1#	92	0.00
13 T	Acrolein	250.000	236.438	5.4	110	0.00
14 T	Allyl chloride	50.000	49.658	0.7	102	0.00
15 T	Acrylonitrile	250.000	249.232	0.3	105	0.00
16 T	Acetone	250.000	272.192	-8.9	112	0.00
17 T	Carbon Disulfide	50.000	42.980	14.0	93	0.00
18 T	Methyl Acetate	50.000	49.369	1.3	105	0.00
19 T	Methyl tert-butyl Ether	50.000	51.096	-2.2	109	0.00
20 T	Methylene Chloride	50.000	49.147	1.7	107	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.709	0.6	103	0.00
22 T	Diisopropyl ether	50.000	50.565	-1.1	108	0.00
23 T	Vinyl Acetate	250.000	261.247	-4.5	106	0.00
24 P	1,1-Dichloroethane	50.000	50.241	-0.5	105	0.00
25 T	2-Butanone	250.000	245.678	1.7	106	0.00
26 T	2,2-Dichloropropane	50.000	46.625	6.8	99	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.794	-1.6	108	0.00
28 T	Bromochloromethane	50.000	49.983	0.0	114	0.00
29 T	Tetrahydrofuran	250.000	250.713	-0.3	103	0.00
30 C	Chloroform	50.000	48.280	3.4#	105	-0.01
31 T	Cyclohexane	50.000	50.122	-0.2	103	0.00
32 T	1,1,1-Trichloroethane	50.000	48.931	2.1	103	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.701	4.6	114	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35 S	Dibromofluoromethane	50.000	50.510	-1.0	116	0.00
36 T	1,1-Dichloropropene	50.000	49.685	0.6	101	0.00
37 T	Ethyl Acetate	50.000	53.104	-6.2	102	0.00
38 T	Carbon Tetrachloride	50.000	49.234	1.5	100	-0.01
39 T	Methylcyclohexane	50.000	51.342	-2.7	99	0.00
40 TM	Benzene	50.000	51.736	-3.5	105	0.00
41 T	Methacrylonitrile	50.000	49.276	1.4	102	0.00
42 TM	1,2-Dichloroethane	50.000	51.174	-2.3	106	0.00
43 T	Isopropyl Acetate	50.000	51.502	-3.0	104	0.00
44 TM	Trichloroethene	50.000	52.740	-5.5	106	0.00
45 C	1,2-Dichloropropane	50.000	51.769	-3.5#	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	52.470	-4.9	108	0.00
47 T	Bromodichloromethane	50.000	52.917	-5.8	106	0.00
48 T	Methyl methacrylate	50.000	51.722	-3.4	103	0.00
49 T	1,4-Dioxane	1000.000	990.058	1.0	103	0.00
50 S	Toluene-d8	50.000	49.469	1.1	114	0.00
51 T	4-Methyl-2-Pentanone	250.000	254.303	-1.7	102	0.00
52 CM	Toluene	50.000	52.563	-5.1#	106	0.00
53 T	t-1,3-Dichloropropene	50.000	53.908	-7.8	106	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.486	-11.0	109	0.00
55 T	1,1,2-Trichloroethane	50.000	52.578	-5.2	109	0.00
56 T	Ethyl methacrylate	50.000	52.762	-5.5	106	0.00
57 T	1,3-Dichloropropane	50.000	52.994	-6.0	108	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	277.593	-11.0	115	0.00
59 T	2-Hexanone	250.000	253.818	-1.5	101	0.00
60 T	Dibromochloromethane	50.000	54.376	-8.8	105	0.00
61 T	1,2-Dibromoethane	50.000	54.432	-8.9	107	0.00
62 S	4-Bromofluorobenzene	50.000	48.764	2.5	113	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64 T	Tetrachloroethene	50.000	59.386	-18.8	120	0.00
65 PM	Chlorobenzene	50.000	52.251	-4.5	108	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.629	-9.3	109	0.00
67 C	Ethyl Benzene	50.000	52.440	-4.9#	104	0.00
68 T	m/p-Xylenes	100.000	105.160	-5.2	104	0.00
69 T	o-Xylene	50.000	52.734	-5.5	105	0.00
70 T	Styrene	50.000	53.902	-7.8	106	0.00
71 P	Bromoform	50.000	48.619	2.8	107	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73 T	Isopropylbenzene	50.000	50.518	-1.0	104	0.00
74 T	N-amyl acetate	50.000	51.737	-3.5	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.739	0.5	103	0.00
76 T	1,2,3-Trichloropropane	50.000	52.487	-5.0	106	0.00
77 T	Bromobenzene	50.000	51.436	-2.9	107	0.00
78 T	n-propylbenzene	50.000	50.915	-1.8	103	0.00
79 T	2-Chlorotoluene	50.000	49.093	1.8	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.716	-1.4	103	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.616	6.8	100	0.00
82 T	4-Chlorotoluene	50.000	50.688	-1.4	105	0.00
83 T	tert-Butylbenzene	50.000	48.771	2.5	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.886	-1.8	104	0.00
85 T	sec-Butylbenzene	50.000	50.360	-0.7	102	0.00
86 T	p-Isopropyltoluene	50.000	50.844	-1.7	103	0.00
87 T	1,3-Dichlorobenzene	50.000	51.810	-3.6	108	0.00
88 T	1,4-Dichlorobenzene	50.000	51.441	-2.9	108	0.00
89 T	n-Butylbenzene	50.000	49.789	0.4	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	49.441	1.1	98	0.00
91 T	1,2-Dichlorobenzene	50.000	50.142	-0.3	103	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.294	-0.6	99	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.958	-7.9	107	0.00
94 T	Hexachlorobutadiene	50.000	48.020	4.0	100	0.00
95 T	Naphthalene	50.000	54.079	-8.2	104	0.00
96 T	1,2,3-Trichlorobenzene	50.000	53.353	-6.7	106	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2 T	Dichlorodifluoromethane	0.302	0.310	-2.6	99	0.00
3 P	Chloromethane	0.275	0.269	2.2	102	0.00
4 C	Vinyl Chloride	0.297	0.288	3.0#	100	0.00
5 T	Bromomethane	0.117	0.113	3.4	112	0.00
6 T	Chloroethane	0.232	0.205	11.6	103	0.00
7 T	Trichlorofluoromethane	0.545	0.557	-2.2	104	0.00
8 T	Diethyl Ether	0.246	0.249	-1.2	108	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.394	0.355	9.9	96	0.00
10 T	Methyl Iodide	0.301	0.318	-5.6	105	0.00
11 T	Tert butyl alcohol	0.193	0.163	15.5	95	-0.01
12 CM	1,1-Dichloroethene	0.314	0.280	10.8#	92	0.00
13 T	Acrolein	0.069	0.060	13.0	110	0.00
14 T	Allyl chloride	0.732	0.727	0.7	102	0.00
15 T	Acrylonitrile	0.311	0.310	0.3	105	0.00
16 T	Acetone	0.363	0.356	1.9	112	0.00
17 T	Carbon Disulfide	0.389	0.380	2.3	93	0.00
18 T	Methyl Acetate	0.747	0.737	1.3	105	0.00
19 T	Methyl tert-butyl Ether	1.714	1.752	-2.2	109	0.00
20 T	Methylene Chloride	0.434	0.426	1.8	107	0.00
21 T	trans-1,2-Dichloroethene	0.326	0.325	0.3	103	0.00
22 T	Diisopropyl ether	1.714	1.733	-1.1	108	0.00
23 T	Vinyl Acetate	1.410	1.473	-4.5	106	0.00
24 P	1,1-Dichloroethane	0.820	0.824	-0.5	105	0.00
25 T	2-Butanone	0.497	0.488	1.8	106	0.00
26 T	2,2-Dichloropropane	0.806	0.752	6.7	99	0.00
27 T	cis-1,2-Dichloroethene	0.488	0.495	-1.4	108	0.00
28 T	Bromochloromethane	0.423	0.423	0.0	114	0.00
29 T	Tetrahydrofuran	0.275	0.275	0.0	103	0.00
30 C	Chloroform	0.942	0.909	3.5#	105	-0.01
31 T	Cyclohexane	0.495	0.496	-0.2	103	0.00
32 T	1,1,1-Trichloroethane	0.787	0.770	2.2	103	0.00
33 S	1,2-Dichloroethane-d4	0.717	0.684	4.6	114	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35 S	Dibromofluoromethane	0.303	0.306	-1.0	116	0.00
36 T	1,1-Dichloropropene	0.304	0.302	0.7	101	0.00
37 T	Ethyl Acetate	0.466	0.495	-6.2	102	0.00
38 T	Carbon Tetrachloride	0.378	0.372	1.6	100	-0.01
39 T	Methylcyclohexane	0.295	0.303	-2.7	99	0.00
40 TM	Benzene	0.966	1.000	-3.5	105	0.00
41 T	Methacrylonitrile	0.300	0.296	1.3	102	0.00
42 TM	1,2-Dichloroethane	0.448	0.459	-2.5	106	0.00
43 T	Isopropyl Acetate	0.837	0.862	-3.0	104	0.00
44 TM	Trichloroethene	0.254	0.268	-5.5	106	0.00
45 C	1,2-Dichloropropane	0.297	0.307	-3.4#	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.192	0.202	-5.2	108	0.00
47 T	Bromodichloromethane	0.428	0.453	-5.8	106	0.00
48 T	Methyl methacrylate	0.395	0.408	-3.3	103	0.00
49 T	1,4-Dioxane	0.010	0.010	0.0	103	0.00
50 S	Toluene-d8	1.120	1.108	1.1	114	0.00
51 T	4-Methyl-2-Pentanone	0.549	0.558	-1.6	102	0.00
52 CM	Toluene	0.623	0.655	-5.1#	106	0.00
53 T	t-1,3-Dichloropropene	0.445	0.479	-7.6	106	0.00
54 T	cis-1,3-Dichloropropene	0.460	0.511	-11.1	109	0.00
55 T	1,1,2-Trichloroethane	0.321	0.337	-5.0	109	0.00
56 T	Ethyl methacrylate	0.502	0.529	-5.4	106	0.00
57 T	1,3-Dichloropropane	0.512	0.542	-5.9	108	0.00
58 T	2-Chloroethyl Vinyl ether	0.260	0.288	-10.8	115	0.00
59 T	2-Hexanone	0.428	0.435	-1.6	101	0.00
60 T	Dibromochloromethane	0.327	0.355	-8.6	105	0.00
61 T	1,2-Dibromoethane	0.293	0.319	-8.9	107	0.00
62 S	4-Bromofluorobenzene	0.465	0.454	2.4	113	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64 T	Tetrachloroethene	0.229	0.272	-18.8	120	0.00
65 PM	Chlorobenzene	0.825	0.862	-4.5	108	0.00
66 T	1,1,1,2-Tetrachloroethane	0.342	0.374	-9.4	109	0.00
67 C	Ethyl Benzene	1.418	1.487	-4.9#	104	0.00
68 T	m/p-Xylenes	0.516	0.542	-5.0	104	0.00
69 T	o-Xylene	0.531	0.560	-5.5	105	0.00
70 T	Styrene	0.939	1.012	-7.8	106	0.00
71 P	Bromoform	0.256	0.286	-11.7	107	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73 T	Isopropylbenzene	3.137	3.170	-1.1	104	0.00
74 T	N-amyl acetate	1.689	1.748	-3.5	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.231	1.224	0.6	103	0.00
76 T	1,2,3-Trichloropropane	1.149	1.206	-5.0	106	0.00
77 T	Bromobenzene	0.765	0.787	-2.9	107	0.00
78 T	n-propylbenzene	3.497	3.561	-1.8	103	0.00
79 T	2-Chlorotoluene	2.275	2.233	1.8	104	0.00
80 T	1,3,5-Trimethylbenzene	2.676	2.714	-1.4	103	0.00
81 T	trans-1,4-Dichloro-2-butene	0.387	0.388	-0.3	100	0.00
82 T	4-Chlorotoluene	2.611	2.647	-1.4	105	0.00
83 T	tert-Butylbenzene	2.867	2.797	2.4	102	0.00
84 T	1,2,4-Trimethylbenzene	2.747	2.796	-1.8	104	0.00
85 T	sec-Butylbenzene	3.159	3.182	-0.7	102	0.00
86 T	p-Isopropyltoluene	2.901	2.950	-1.7	103	0.00
87 T	1,3-Dichlorobenzene	1.439	1.491	-3.6	108	0.00
88 T	1,4-Dichlorobenzene	1.478	1.521	-2.9	108	0.00
89 T	n-Butylbenzene	2.588	2.577	0.4	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.532	0.526	1.1	98	0.00
91 T	1,2-Dichlorobenzene	1.504	1.509	-0.3	103	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.319	0.321	-0.6	99	0.00
93 T	1,2,4-Trichlorobenzene	0.969	1.046	-7.9	107	0.00
94 T	Hexachlorobutadiene	0.457	0.439	3.9	100	0.00
95 T	Naphthalene	3.448	3.729	-8.1	104	0.00
96 T	1,2,3-Trichlorobenzene	0.987	1.054	-6.8	106	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

QC SAMPLE
DATA

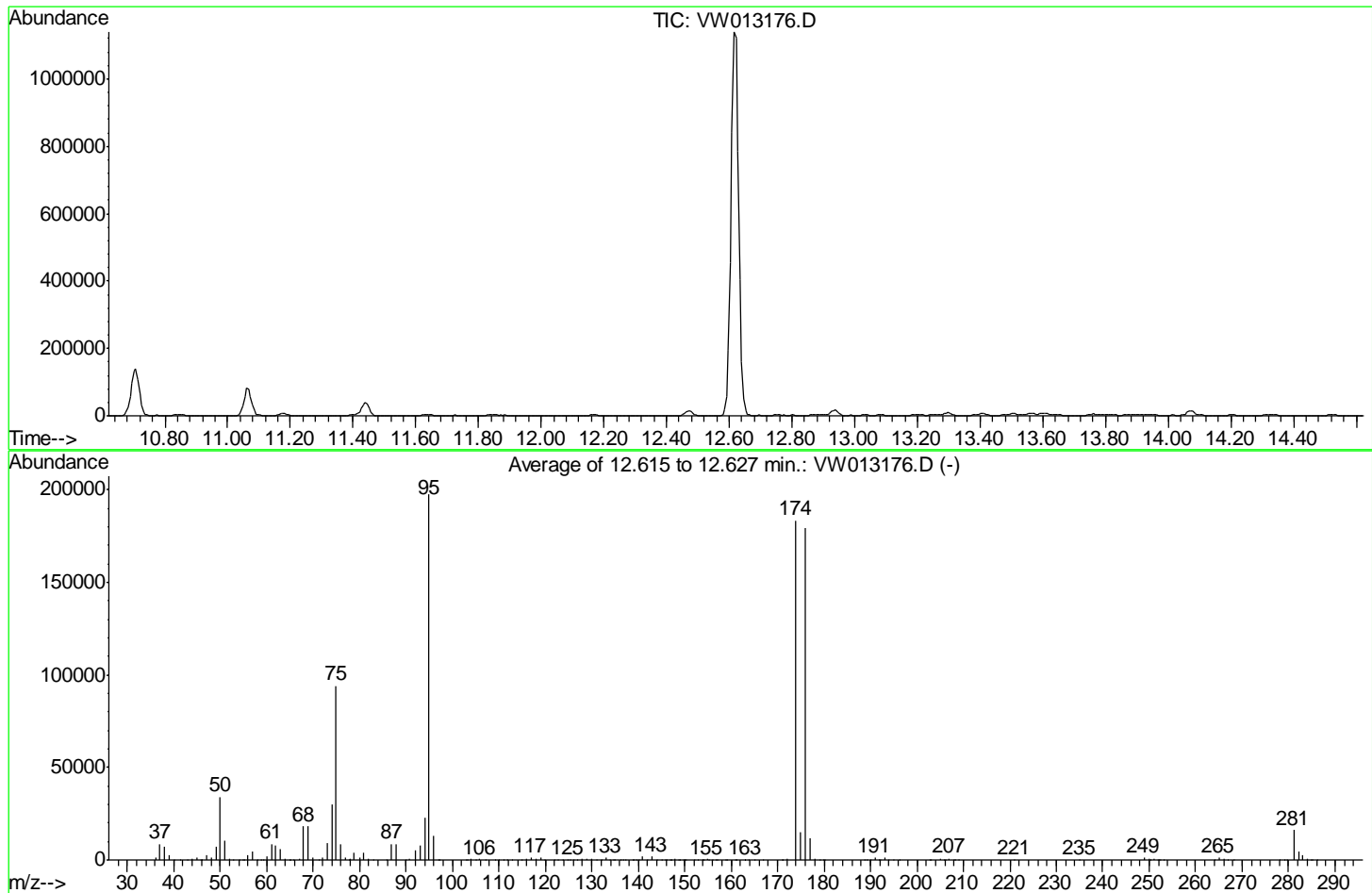
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Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013176.D
 Acq On : 20 Sep 2019 11:43
 Operator : SY/VA
 Sample : BFB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260
 Last Update : Fri Sep 20 15:58:08 2019



AutoFind: Scans 1757, 1758, 1759; Background Corrected with Scan 1748

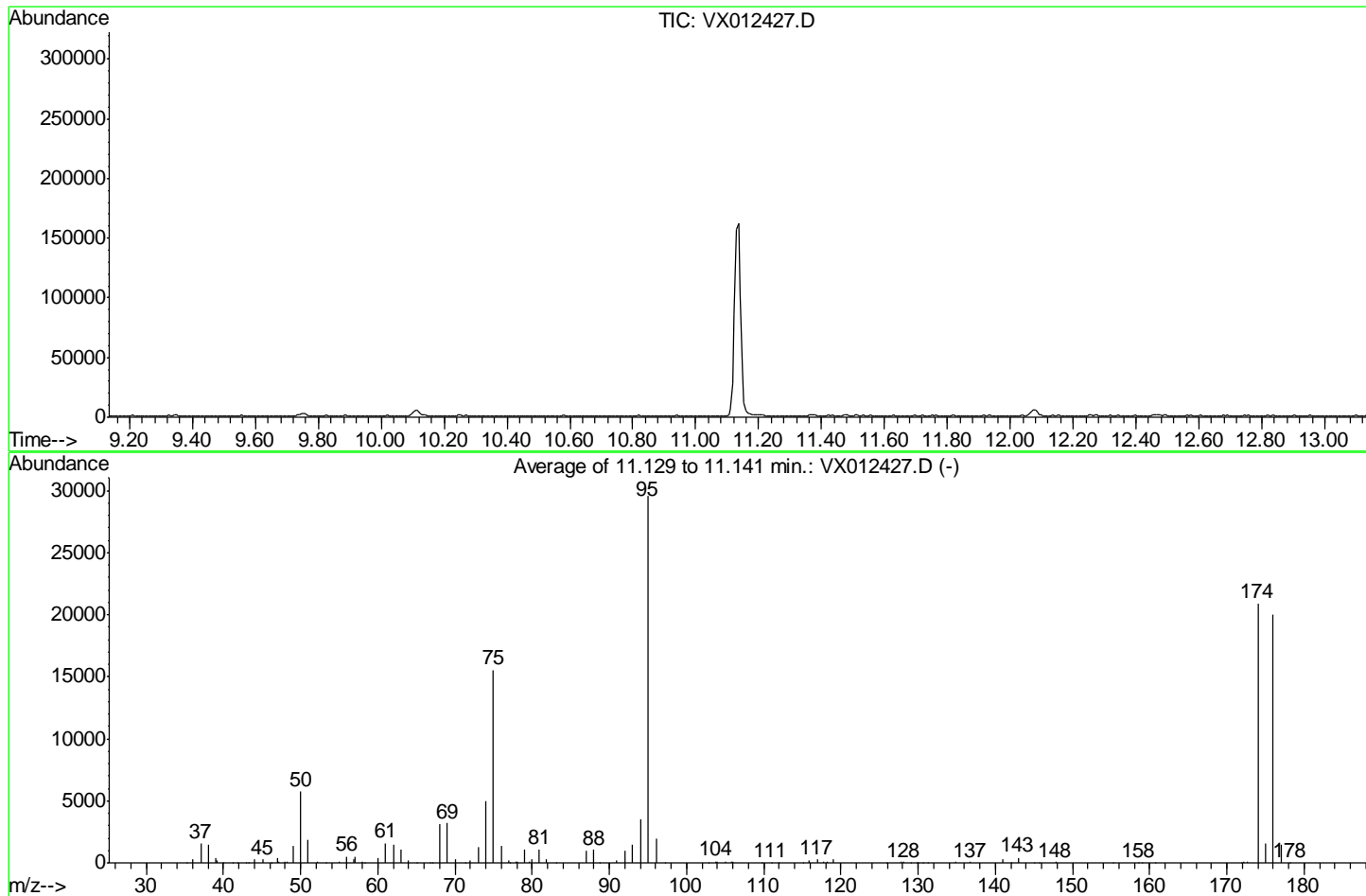
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	34029	PASS
75	95	30	60	47.7	94234	PASS
95	95	100	100	100.0	197482	PASS
96	95	5	9	6.7	13166	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	92.9	183445	PASS
175	174	5	9	8.3	15223	PASS
176	174	95	101	97.7	179264	PASS
177	176	5	9	6.5	11673	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091719\
 Data File : VX012427.D
 Acq On : 17 Sep 2019 11:30
 Operator : JC/SP
 Sample : BFB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Title : SW846 8260
 Last Update : Tue Sep 17 15:27:10 2019



AutoFind: Scans 1680, 1681, 1682; Background Corrected with Scan 1673

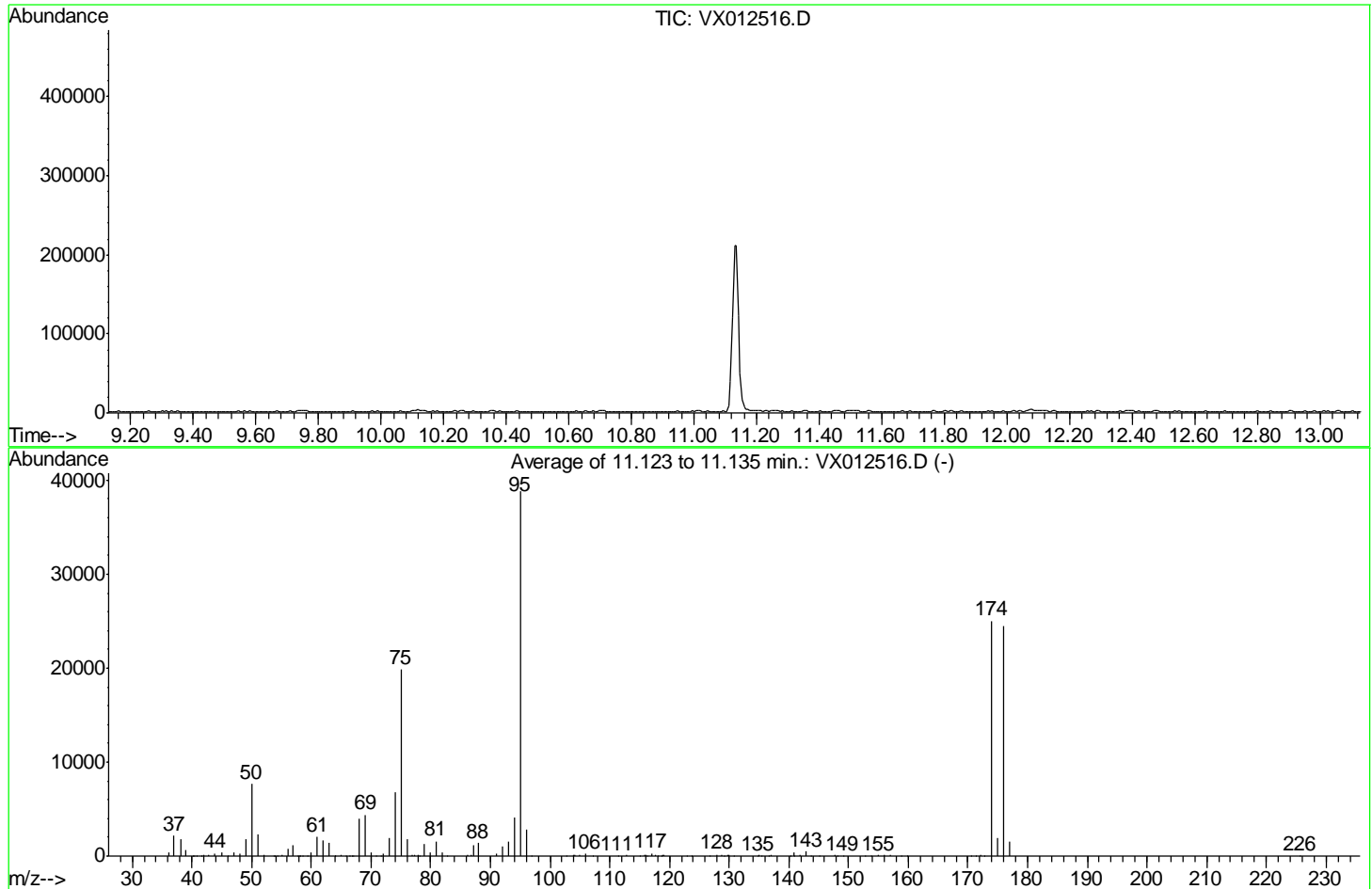
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	5727	PASS
75	95	30	60	52.6	15546	PASS
95	95	100	100	100.0	29552	PASS
96	95	5	9	6.5	1917	PASS
173	174	0.00	2	0.3	72	PASS
174	95	50	100	70.8	20920	PASS
175	174	5	9	7.6	1595	PASS
176	174	95	101	95.6	20009	PASS
177	176	5	9	7.4	1479	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091919\
 Data File : VX012516.D
 Acq On : 19 Sep 2019 09:58
 Operator : JC/SP
 Sample : BFB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Title : SW846 8260
 Last Update : Tue Sep 17 15:27:10 2019



AutoFind: Scans 1679, 1680, 1681; Background Corrected with Scan 1671

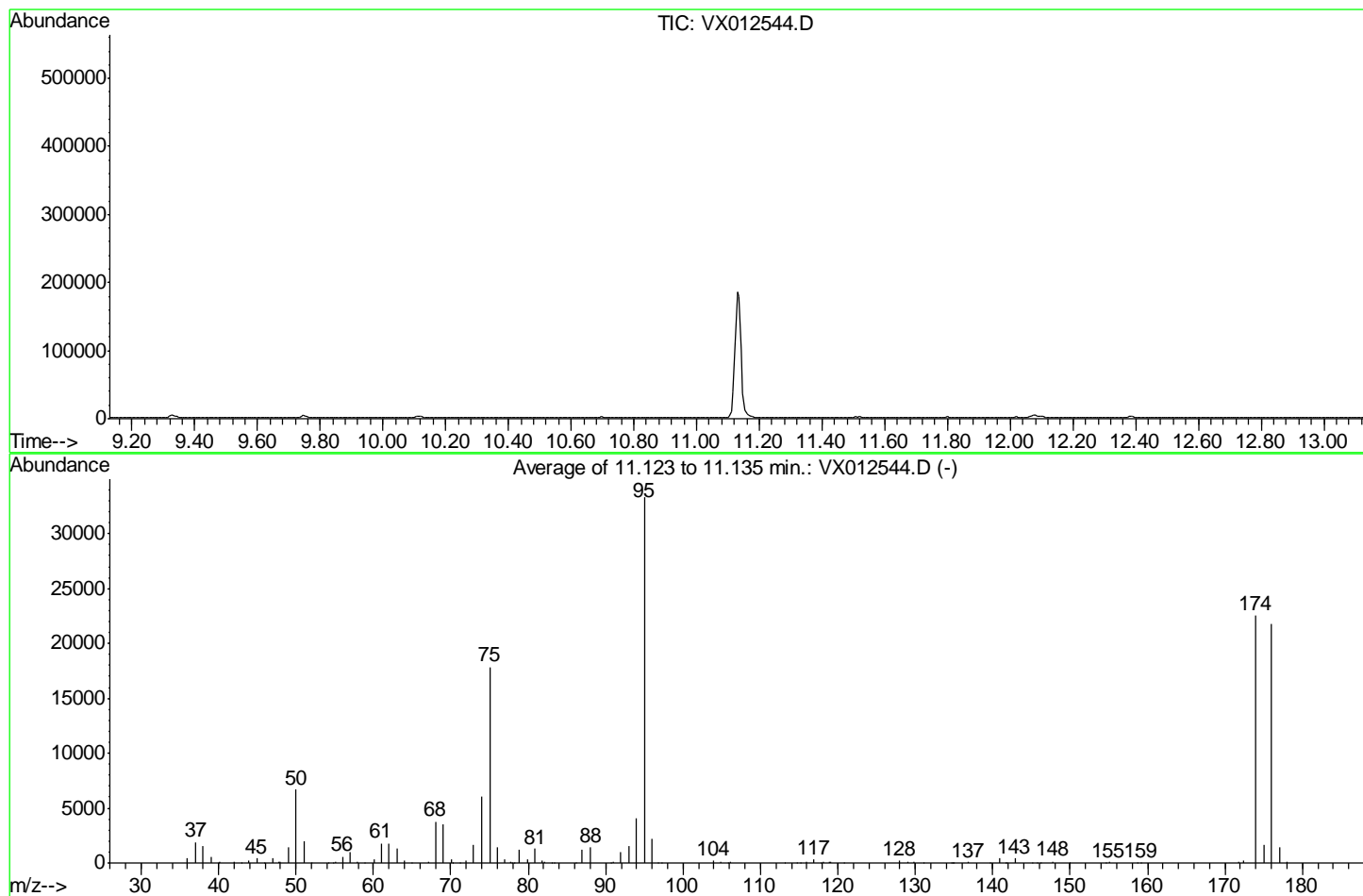
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	7670	PASS
75	95	30	60	51.0	19804	PASS
95	95	100	100	100.0	38808	PASS
96	95	5	9	7.2	2798	PASS
173	174	0.00	2	0.2	58	PASS
174	95	50	100	64.5	25049	PASS
175	174	5	9	7.6	1908	PASS
176	174	95	101	97.8	24504	PASS
177	176	5	9	6.4	1558	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX092019\
 Data File : VX012544.D
 Acq On : 20 Sep 2019 08:59
 Operator : JC/SP
 Sample : BFB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Title : SW846 8260
 Last Update : Tue Sep 17 15:27:10 2019



AutoFind: Scans 1679, 1680, 1681; Background Corrected with Scan 1670

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	6707	PASS
75	95	30	60	53.6	17856	PASS
95	95	100	100	100.0	33312	PASS
96	95	5	9	6.6	2215	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.6	22535	PASS
175	174	5	9	7.4	1670	PASS
176	174	95	101	96.4	21733	PASS
177	176	5	9	6.7	1462	PASS



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VW0920SBL01	SDG No.:	K4888
Lab Sample ID:	VW0920SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013184.D	1		09/20/19 16:06	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.91	5.00	ug/Kg
74-87-3	Chloromethane	5.00	U	1.80	5.00	ug/Kg
75-01-4	Vinyl Chloride	5.00	U	1.10	5.00	ug/Kg
74-83-9	Bromomethane	5.00	U	0.38	5.00	ug/Kg
75-00-3	Chloroethane	5.00	U	0.58	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.00	U	0.65	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.80	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	5.00	U	0.99	5.00	ug/Kg
67-64-1	Acetone	25.0	U	7.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	5.00	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.00	U	1.40	5.00	ug/Kg
79-20-9	Methyl Acetate	5.00	U	2.80	5.00	ug/Kg
75-09-2	Methylene Chloride	10.0	U	5.20	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.00	U	1.30	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	5.00	U	0.91	5.00	ug/Kg
110-82-7	Cyclohexane	5.00	U	1.80	5.00	ug/Kg
78-93-3	2-Butanone	25.0	U	6.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.00	U	0.82	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.99	5.00	ug/Kg
74-97-5	Bromochloromethane	5.00	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	5.00	U	0.86	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.00	U	1.10	5.00	ug/Kg
108-87-2	Methylcyclohexane	5.00	U	1.20	5.00	ug/Kg
71-43-2	Benzene	5.00	U	0.84	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	5.00	U	1.20	5.00	ug/Kg
79-01-6	Trichloroethene	5.00	U	0.93	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	5.00	U	1.20	5.00	ug/Kg
75-27-4	Bromodichloromethane	5.00	U	0.99	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25.0	U	5.60	25.0	ug/Kg
108-88-3	Toluene	5.00	U	0.98	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.00	U	1.00	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1.10	5.00	ug/Kg



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VW0920SBL01	SDG No.:	K4888
Lab Sample ID:	VW0920SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013184.D	1		09/20/19 16:06	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.00	U	1.40	5.00	ug/Kg
591-78-6	2-Hexanone	25.0	U	7.40	25.0	ug/Kg
124-48-1	Dibromochloromethane	5.00	U	1.30	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	5.00	U	1.30	5.00	ug/Kg
127-18-4	Tetrachloroethene	5.00	U	0.70	5.00	ug/Kg
108-90-7	Chlorobenzene	5.00	U	0.79	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.85	5.00	ug/Kg
179601-23-1	m/p-Xylenes	10.0	U	1.70	10.0	ug/Kg
95-47-6	o-Xylene	5.00	U	1.10	5.00	ug/Kg
100-42-5	Styrene	5.00	U	0.99	5.00	ug/Kg
75-25-2	Bromoform	5.00	U	3.30	5.00	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.87	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.00	U	1.10	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.00	U	1.10	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.00	U	1.30	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	3.30	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1.10	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1.30	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		56 - 120	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		57 - 135	102%	SPK: 50
2037-26-5	Toluene-d8	50.2		67 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		33 - 141	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.94			
540-36-3	1,4-Difluorobenzene	413000	8.84			
3114-55-4	Chlorobenzene-d5	348000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown11.06	7.10	J		11.1	ug/Kg

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013184.D
 Acq On : 20 Sep 2019 16:06
 Operator : SY/VA
 Sample : VW0920SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBL01

Quant Time: Sep 20 17:02:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	278462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	125272	55.12	ug/l	0.00
Spiked Amount						
			Recovery	=		110.24%
35) Dibromofluoromethane	7.88	113	115923	51.07	ug/l	0.00
Spiked Amount						
			Recovery	=		102.14%
50) Toluene-d8	10.32	98	476662	50.17	ug/l	0.00
Spiked Amount						
			Recovery	=		100.34%
62) 4-Bromofluorobenzene	12.62	95	152525	47.00	ug/l	0.00
Spiked Amount						
			Recovery	=		94.00%

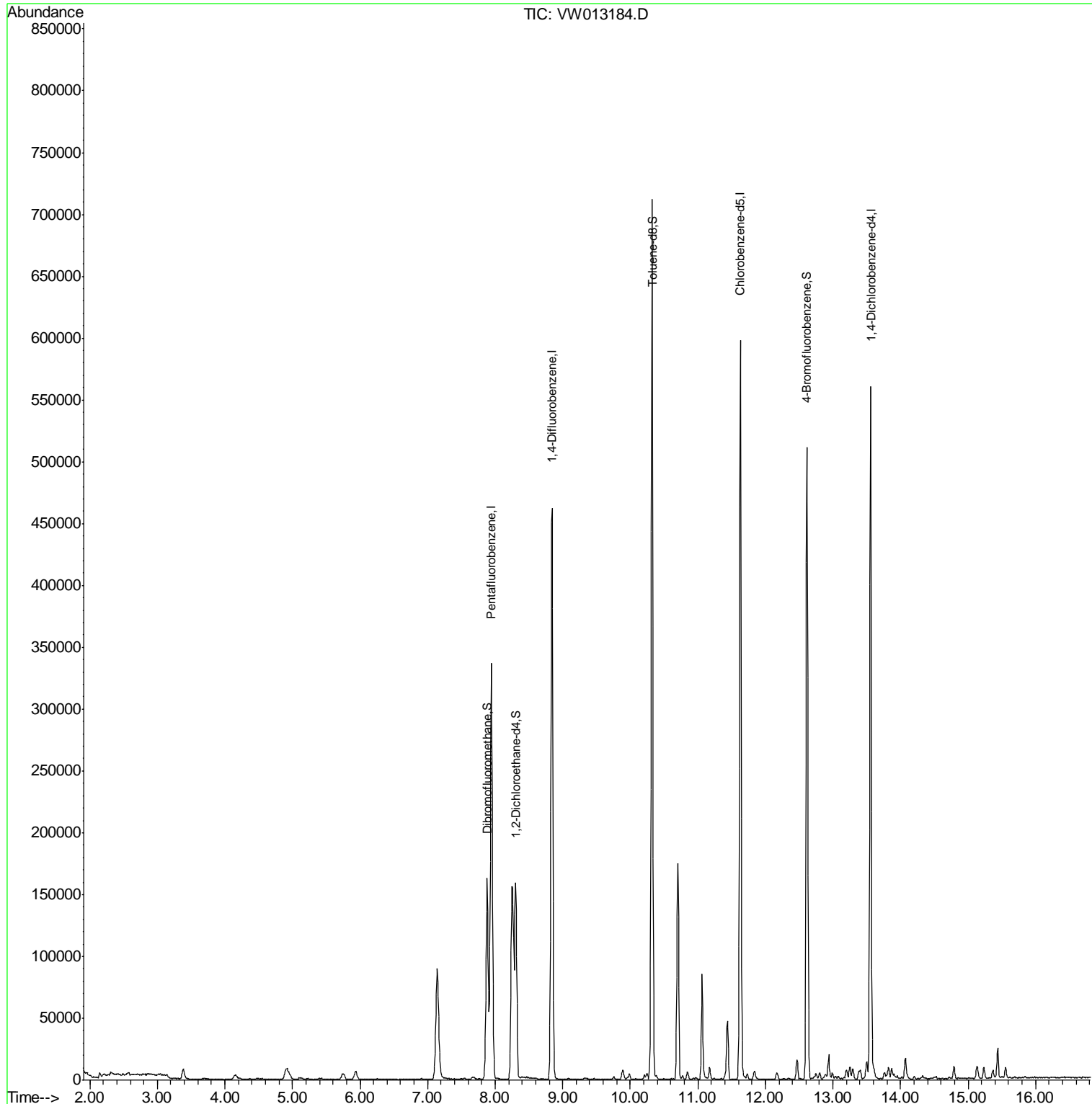
Target Compounds	Qvalue

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

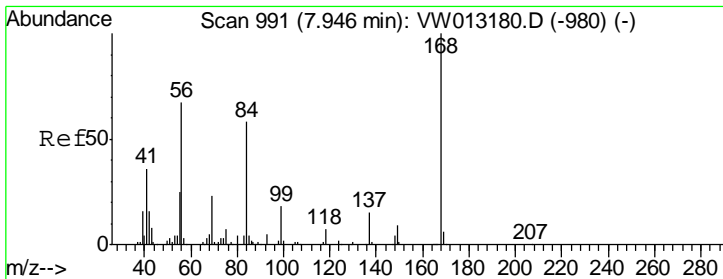
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 Data File : VW013184.D
 Acq On : 20 Sep 2019 16:06
 Operator : SY/VA
 Sample : VW0920SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampleId :
 VW0920SBL01

Quant Time: Sep 20 17:02:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



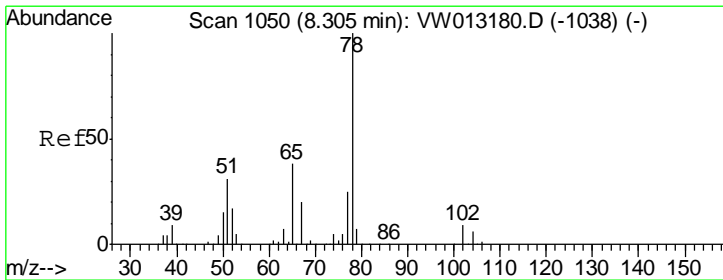
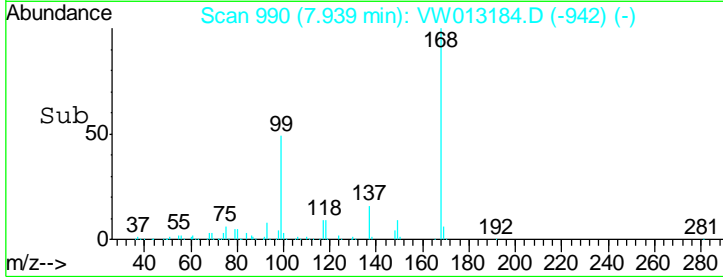
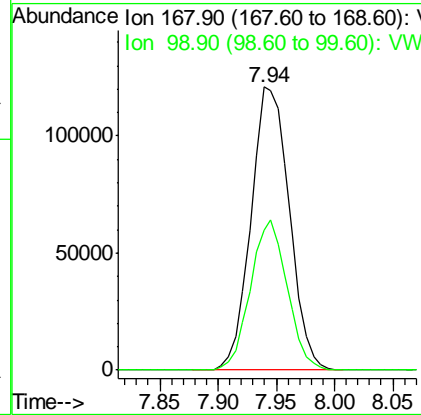
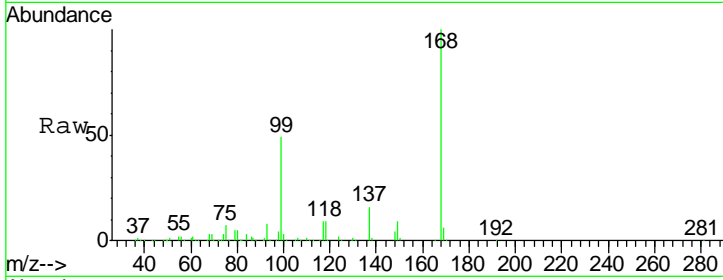
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW013184.D
 Acq: 20 Sep 2019 16:06

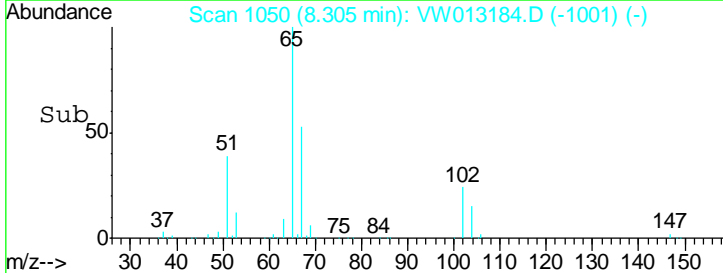
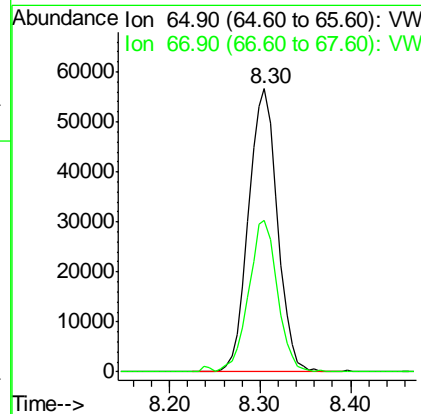
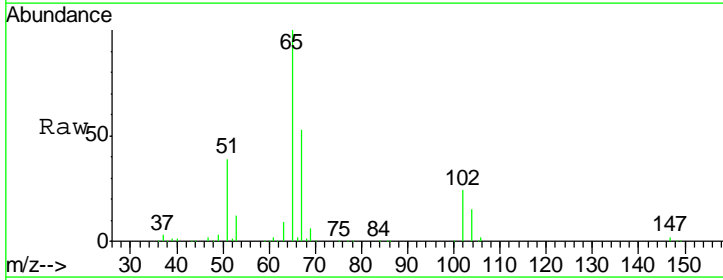
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 ClientSampled : VW0920SBL01

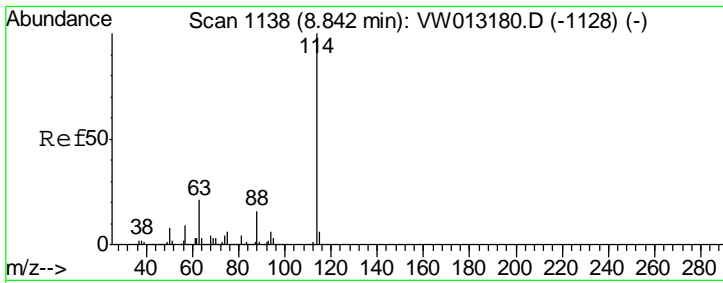
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.4	40.2	60.4



#33
 1,2-Dichloroethane-d4
 Concen: 55.121 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013184.D
 Acq: 20 Sep 2019 16:06

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.5	0.0	106.2

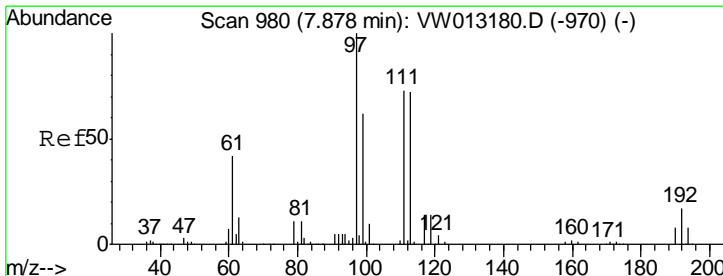
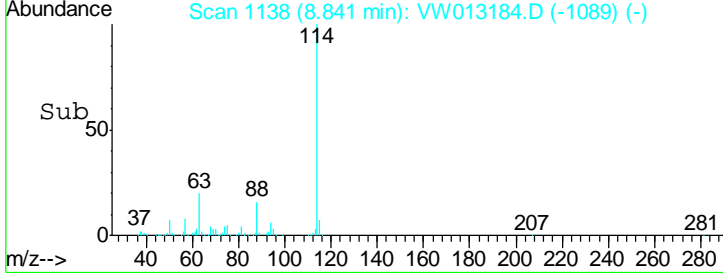
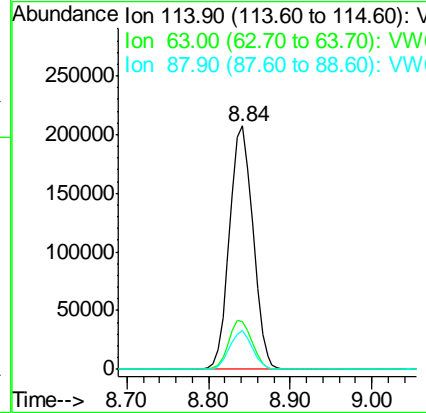
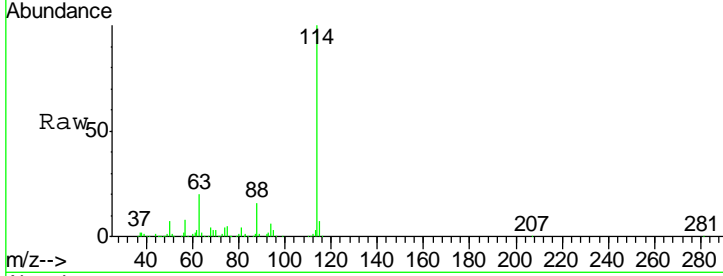




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013184.D
 Acq: 20 Sep 2019 16:06

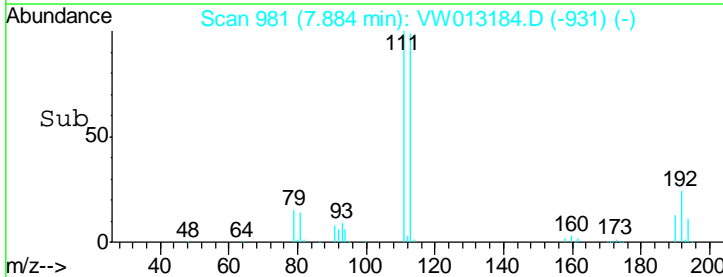
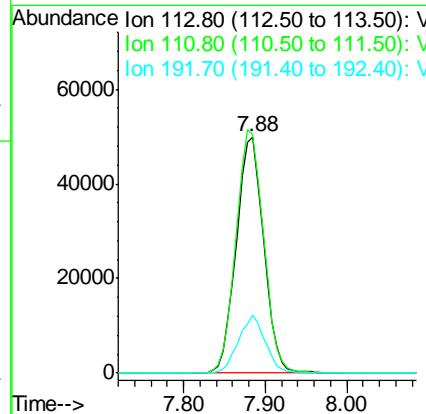
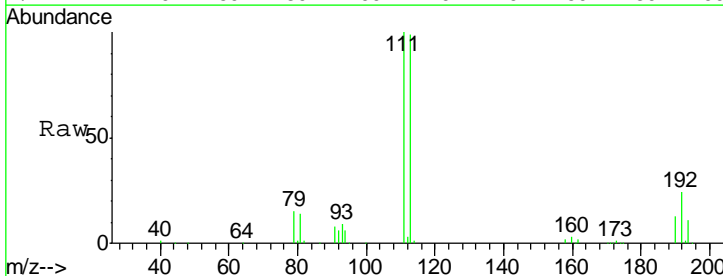
Instrument : MSVOA_W
 ClientSampleId : VW0920SBL01

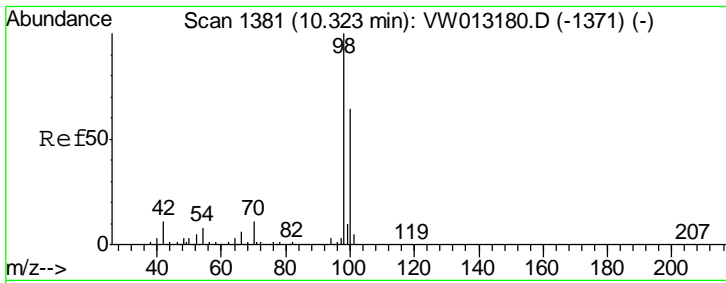
Tgt Ion	Resp	Lower	Upper
114	412739		
63	19.6	0.0	41.4
88	15.7	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 51.066 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013184.D
 Acq: 20 Sep 2019 16:06

Tgt Ion	Resp	Lower	Upper
113	115923		
111	104.0	81.9	122.9
192	23.7	19.1	28.7

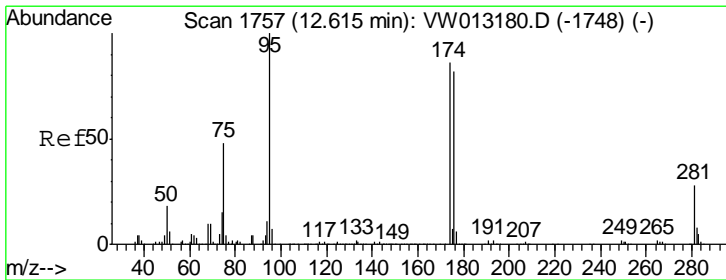
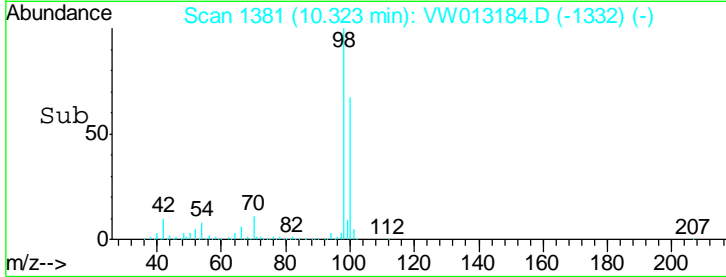
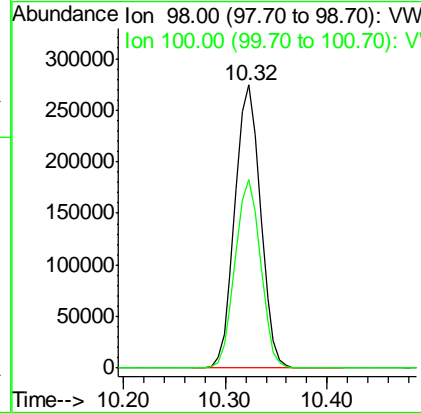
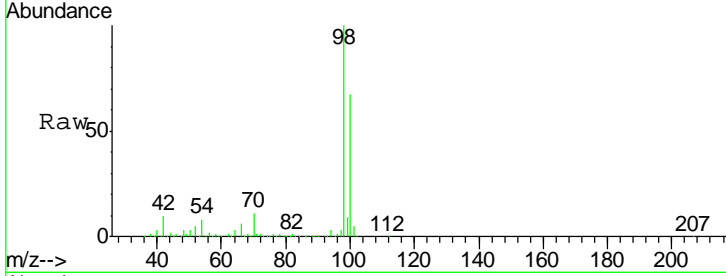




#50
 Toluene-d8
 Concen: 50.172 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013184.D
 Acq: 20 Sep 2019 16:06

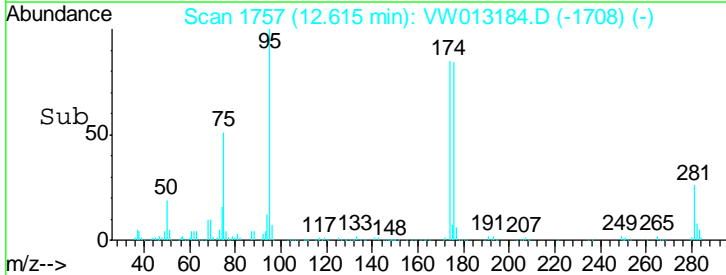
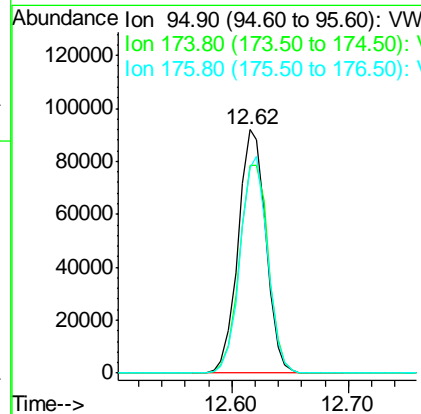
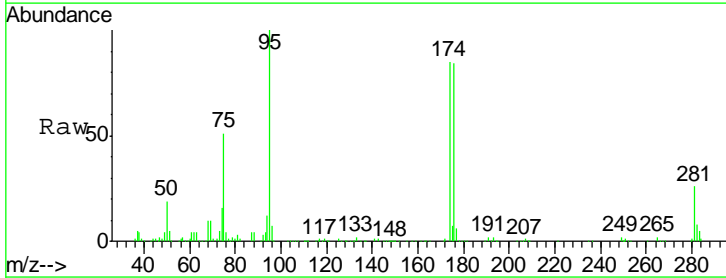
Instrument : MSVOA_W
 ClientSampled : VW0920SBL01

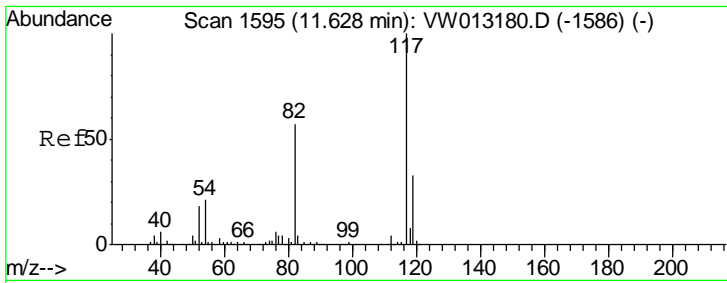
Tgt Ion	Resp	Lower	Upper
98	476662		
98	100		
100	66.2	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 46.999 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013184.D
 Acq: 20 Sep 2019 16:06

Tgt Ion	Resp	Lower	Upper
95	152525		
95	100		
174	89.6	0.0	178.4
176	87.4	0.0	172.2

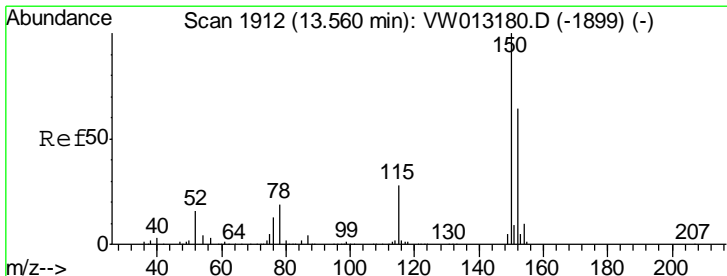
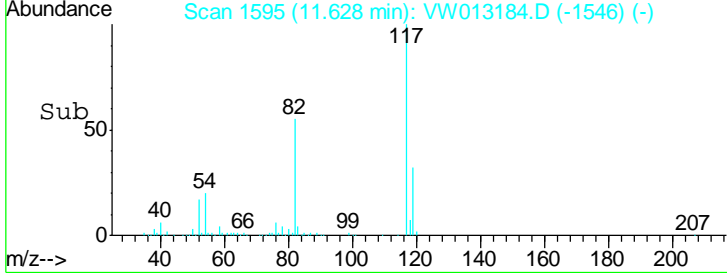
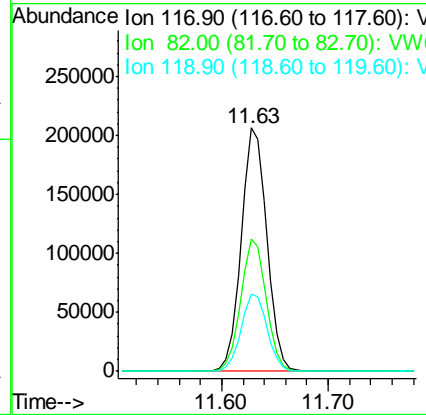
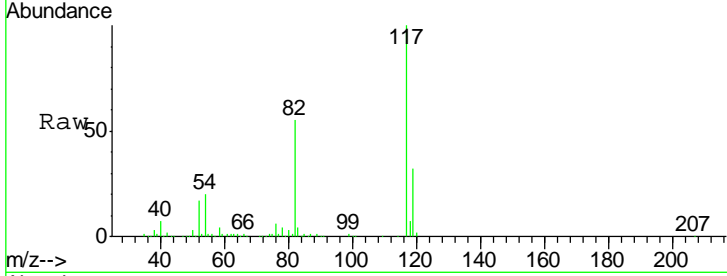




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013184.D
 Acq: 20 Sep 2019 16:06

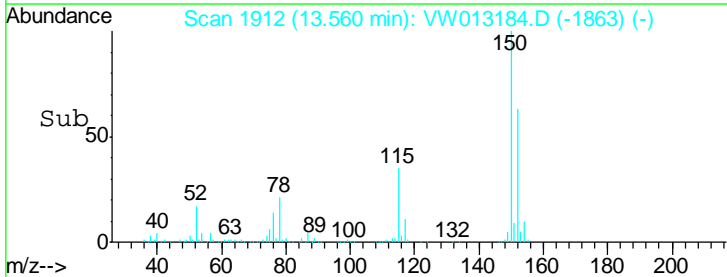
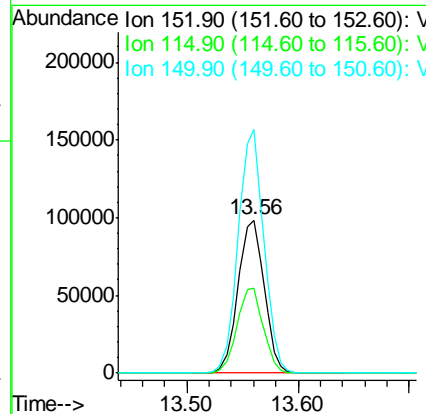
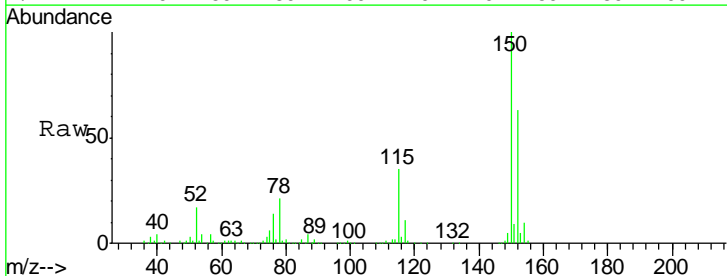
Instrument : MSVOA_W
 ClientSampled : VW0920SBL01

Tgt Ion	Resp	Lower	Upper
117	348441		
82	54.5	45.9	68.9
119	31.9	26.2	39.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013184.D
 Acq: 20 Sep 2019 16:06

Tgt Ion	Resp	Lower	Upper
152	160018		
115	55.4	27.3	81.9
150	156.3	0.0	349.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013184.D
 Acq On : 20 Sep 2019 16:06
 Operator : SY/VA
 Sample : VW0920SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBL01

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.385	235	243	253	rVB	7920	19883	1.61%	0.245%
2	4.921	482	495	509	rBV7	9145	40547	3.28%	0.500%
3	5.940	651	662	673	rVB4	6685	20145	1.63%	0.249%
4	7.141	848	859	875	rBV	89524	275321	22.25%	3.397%
5	7.884	969	981	985	rBV	162503	380252	30.73%	4.692%
6	7.945	985	991	1001	rVB	336129	757169	61.20%	9.342%
7	8.250	1031	1041	1046	rBV	155951	411634	33.27%	5.079%
8	8.305	1046	1050	1061	rVB	157756	329931	26.67%	4.071%
9	8.841	1128	1138	1149	rBV	462119	926451	74.88%	11.431%
10	9.890	1303	1310	1318	rVV4	7390	15040	1.22%	0.186%
11	10.323	1373	1381	1389	rBV	711176	1237198	100.00%	15.265%
12	10.701	1435	1443	1452	rBV	174531	319843	25.85%	3.946%
13	11.061	1496	1502	1513	rBV	84966	144185	11.65%	1.779%
14	11.170	1516	1520	1528	rVB4	9815	16983	1.37%	0.210%
15	11.439	1553	1564	1571	rVB2	47347	87983	7.11%	1.086%
16	11.628	1587	1595	1609	rBV	597759	1019119	82.37%	12.574%
17	11.841	1623	1630	1640	rBV2	6856	14534	1.17%	0.179%
18	12.469	1726	1733	1738	rBV3	16108	27795	2.25%	0.343%
19	12.615	1748	1757	1766	rBV2	511143	882434	71.33%	10.888%
20	12.938	1805	1810	1815	rVB3	18409	29584	2.39%	0.365%
21	13.249	1857	1861	1864	rVV	8761	12954	1.05%	0.160%
22	13.298	1864	1869	1875	rVB2	8495	16337	1.32%	0.202%
23	13.499	1894	1902	1905	rBV3	13790	25305	2.05%	0.312%
24	13.560	1905	1912	1925	rVB	559258	942880	76.21%	11.634%
25	13.822	1950	1955	1959	rVB	7910	12463	1.01%	0.154%
26	14.072	1991	1996	2005	rVB2	16530	31865	2.58%	0.393%
27	14.792	2107	2114	2122	rVB	10188	15917	1.29%	0.196%
28	15.133	2162	2170	2178	rBV4	10152	21422	1.73%	0.264%
29	15.237	2181	2187	2194	rVV6	9026	15018	1.21%	0.185%
30	15.438	2214	2220	2226	rVB	23896	38926	3.15%	0.480%
31	15.554	2234	2239	2246	rVB3	8715	15572	1.26%	0.192%

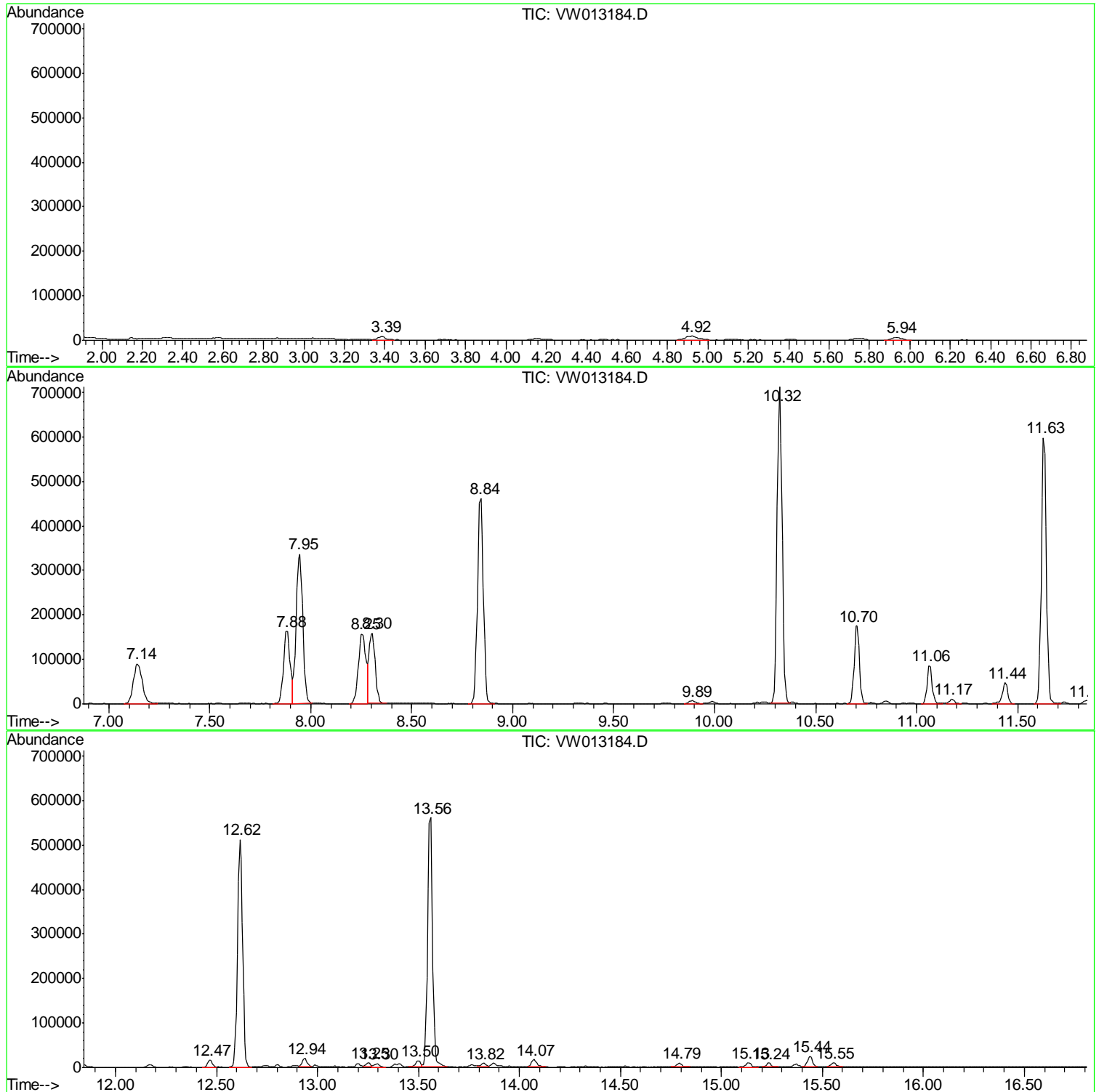
Sum of corrected areas: 8104690

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013184.D
Acq On : 20 Sep 2019 16:06
Operator : SY/VA
Sample : VW0920SBL01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
VW0920SBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013184.D
 Acq On : 20 Sep 2019 16:06
 Operator : SY/VA
 Sample : VW0920SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0920SBL01

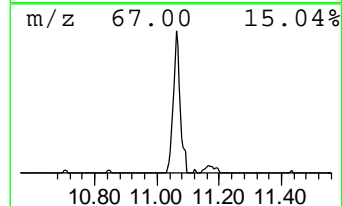
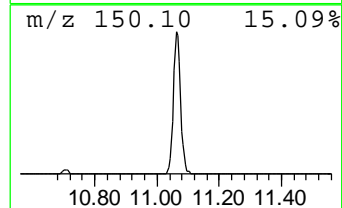
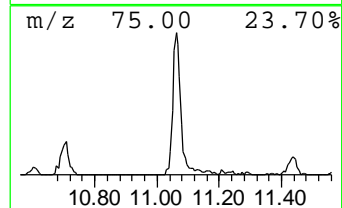
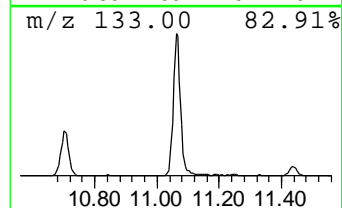
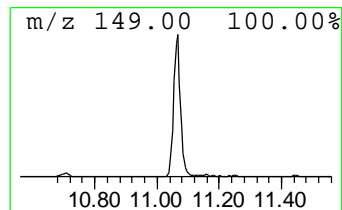
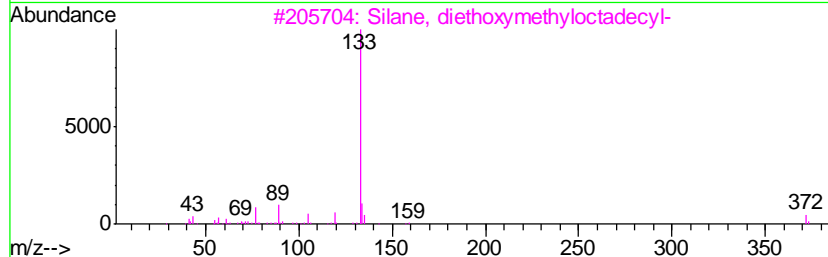
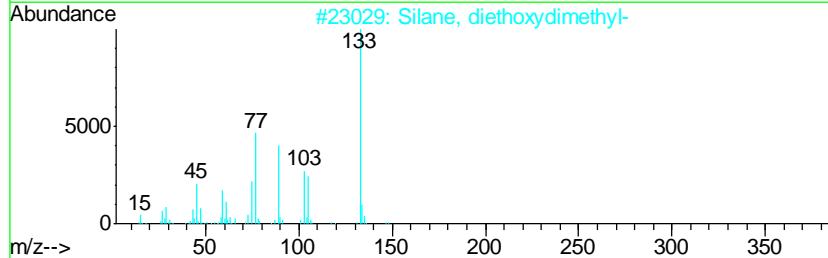
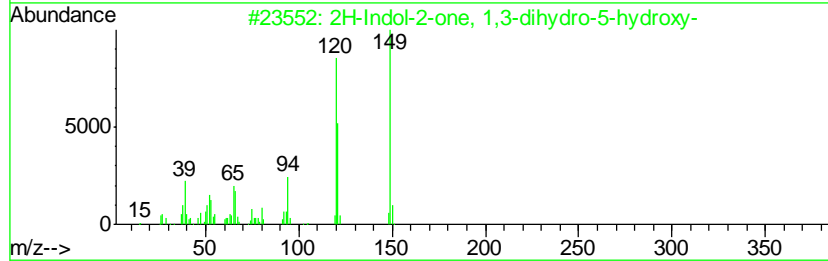
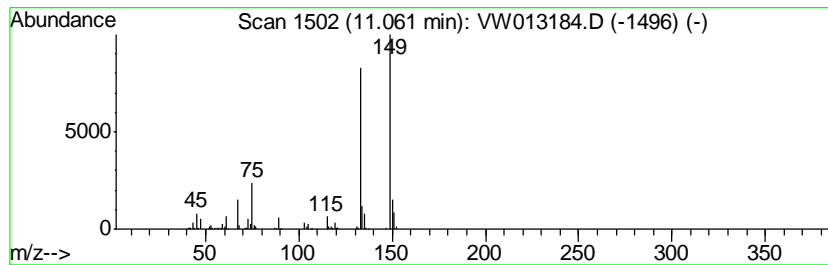
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260

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

 Peak Number 4 unknown11.06 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	7.07 ug/l	144185	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2H-Indol-2-one, 1,3-dihydro-5-hy...	149	C8H7NO2	003416-18-0	17
2		Silane, diethoxydimethyl-	148	C6H16O2Si	000078-62-6	17
3		Silane, diethoxymethyloctadecyl-	386	C23H50O2Si	067859-75-0	17
4		4-Ethylbenzoic acid, cyclohexyl ...	232	C15H20O2	1000293-32-1	17
5		4-(Methylthio)benzotrile	149	C8H7NS	021382-98-9	17



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
 Data File : VW013184.D
 Acq On : 20 Sep 2019 16:06
 Operator : SY/VA
 Sample : VW0920SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown11.06	11.06	7.1	ug/l	144185	3	11.63	1019120	50.0

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0919MBL01	SDG No.:	K4888
Lab Sample ID:	VX0919MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012518.D	1		09/19/19 11:08	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	500	U	90.9	500	ug/Kg
74-87-3	Chloromethane	500	U	180	500	ug/Kg
75-01-4	Vinyl Chloride	500	U	110	500	ug/Kg
74-83-9	Bromomethane	500	U	37.8	500	ug/Kg
75-00-3	Chloroethane	500	U	57.5	500	ug/Kg
75-69-4	Trichlorofluoromethane	500	U	64.6	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U	80.1	500	ug/Kg
75-35-4	1,1-Dichloroethene	500	U	99.1	500	ug/Kg
67-64-1	Acetone	2500	U	770	2500	ug/Kg
75-15-0	Carbon Disulfide	500	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	500	U	140	500	ug/Kg
79-20-9	Methyl Acetate	500	U	280	500	ug/Kg
75-09-2	Methylene Chloride	1000	U	520	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	500	U	130	500	ug/Kg
75-34-3	1,1-Dichloroethane	500	U	91.0	500	ug/Kg
110-82-7	Cyclohexane	500	U	180	500	ug/Kg
78-93-3	2-Butanone	2500	U	670	2500	ug/Kg
56-23-5	Carbon Tetrachloride	500	U	82.5	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	500	U	98.6	500	ug/Kg
74-97-5	Bromochloromethane	500	U	120	500	ug/Kg
67-66-3	Chloroform	500	U	86.3	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	500	U	110	500	ug/Kg
108-87-2	Methylcyclohexane	500	U	120	500	ug/Kg
71-43-2	Benzene	500	U	83.9	500	ug/Kg
107-06-2	1,2-Dichloroethane	500	U	120	500	ug/Kg
79-01-6	Trichloroethene	500	U	93.2	500	ug/Kg
78-87-5	1,2-Dichloropropane	500	U	120	500	ug/Kg
75-27-4	Bromodichloromethane	500	U	99.3	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2500	U	560	2500	ug/Kg
108-88-3	Toluene	500	U	97.5	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	500	U	100	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	500	U	110	500	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0919MBL01	SDG No.:	K4888
Lab Sample ID:	VX0919MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012518.D	1		09/19/19 11:08	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	500	U	140	500	ug/Kg
591-78-6	2-Hexanone	2500	U	740	2500	ug/Kg
124-48-1	Dibromochloromethane	500	U	130	500	ug/Kg
106-93-4	1,2-Dibromoethane	500	U	130	500	ug/Kg
127-18-4	Tetrachloroethene	500	U	69.5	500	ug/Kg
108-90-7	Chlorobenzene	500	U	78.8	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	85.4	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	170	1000	ug/Kg
95-47-6	o-Xylene	500	U	110	500	ug/Kg
100-42-5	Styrene	500	U	99.1	500	ug/Kg
75-25-2	Bromoform	500	U	330	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	86.6	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	500	U	110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	110	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	110	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	130	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	330	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	110	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	500	U	130	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		56 - 120	92%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		57 - 135	99%	SPK: 50
2037-26-5	Toluene-d8	51.1		67 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		33 - 141	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	5.65			
540-36-3	1,4-Difluorobenzene	316000	6.85			
3114-55-4	Chlorobenzene-d5	269000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	112000	12.07			



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0919MBL01	SDG No.:	K4888
Lab Sample ID:	VX0919MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012518.D	1		09/19/19 11:08	VX091919

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012518.D
 Acq On : 19 Sep 2019 11:08
 Operator : JC/SP
 Sample : VX0919MBL01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBL01

Quant Time: Sep 20 04:49:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	199689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	316231	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	132079	46.15	ug/l	0.00
Spiked Amount						
			Recovery	=		92.30%
35) Dibromofluoromethane	5.48	113	94703	49.48	ug/l	0.00
Spiked Amount						
			Recovery	=		98.96%
50) Toluene-d8	8.71	98	362251	51.13	ug/l	0.00
Spiked Amount						
			Recovery	=		102.26%
62) 4-Bromofluorobenzene	11.13	95	131112	44.57	ug/l	0.00
Spiked Amount						
			Recovery	=		89.14%

Target Compounds

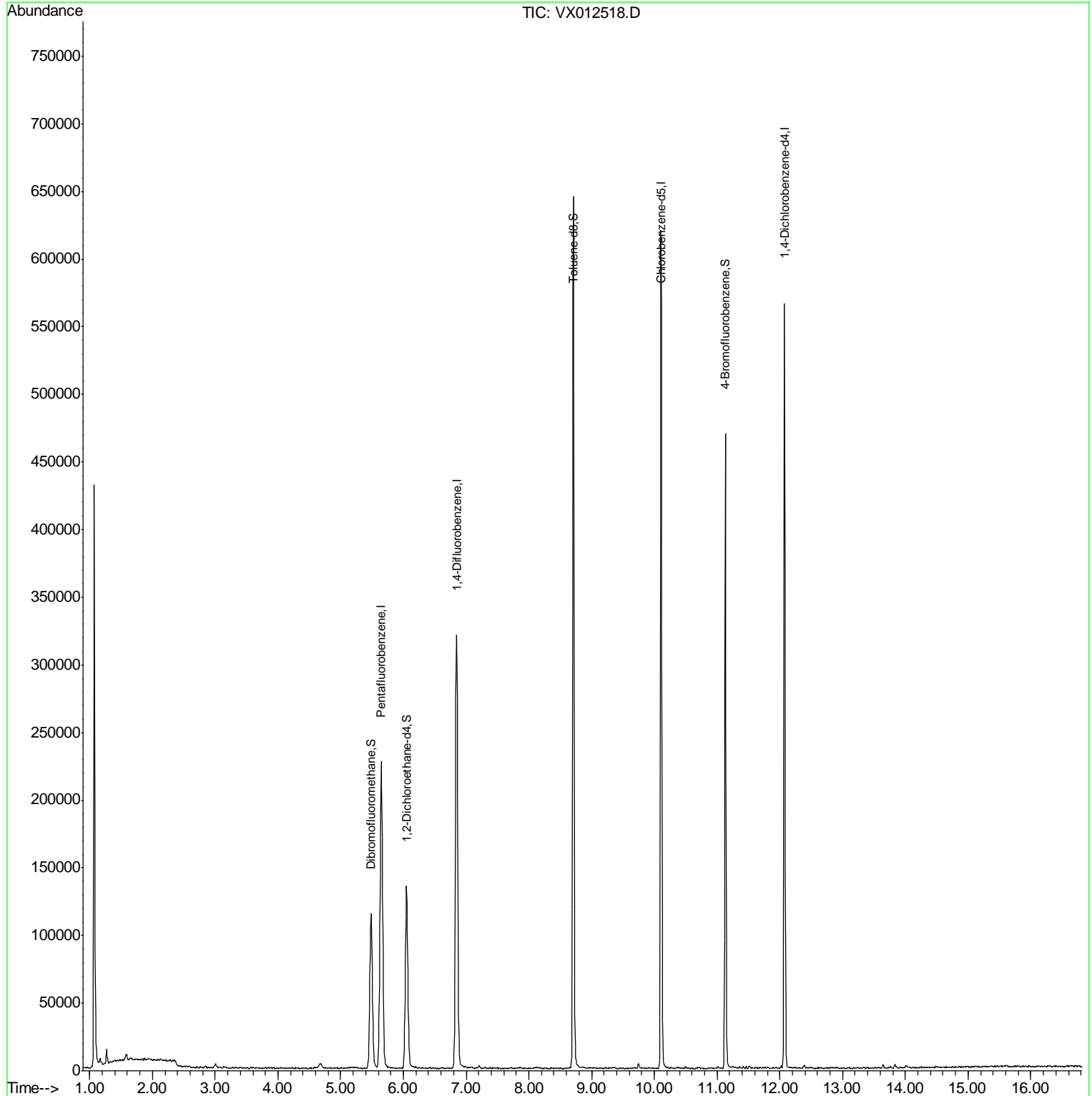
Qvalue

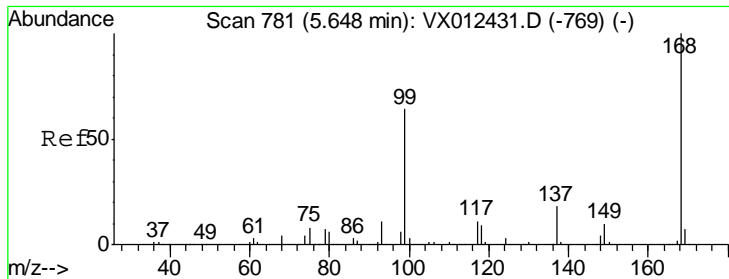
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012518.D
Acq On : 19 Sep 2019 11:08
Operator : JC/SP
Sample : VX0919MBL01
Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0919MBL01

Quant Time: Sep 20 04:49:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration



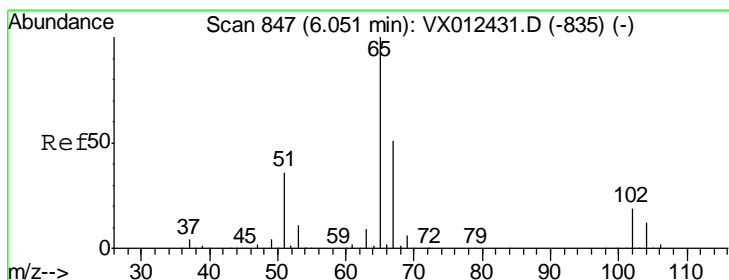
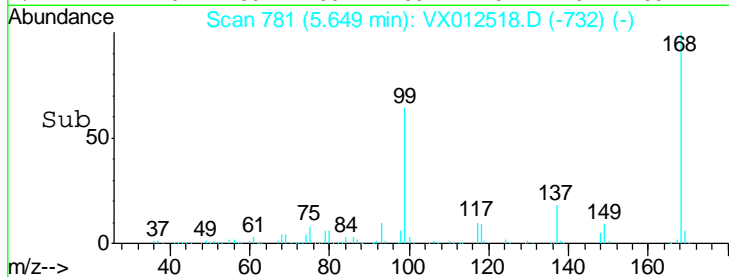
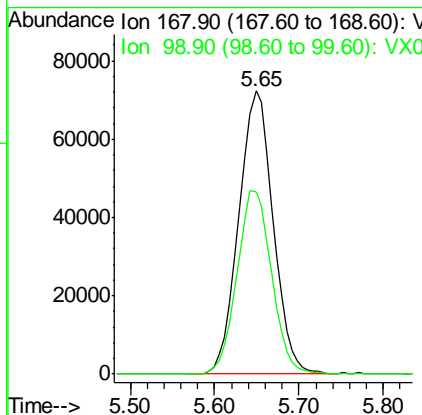
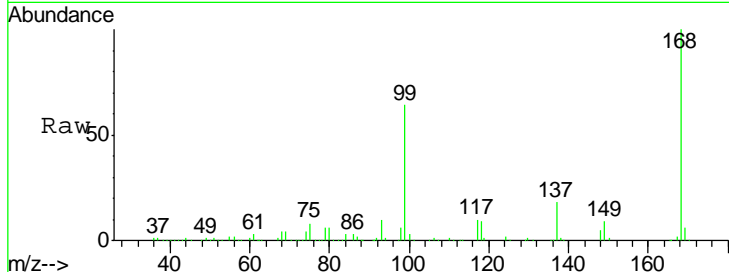


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0919MBL01

Tgt Ion: 168 Resp: 199689

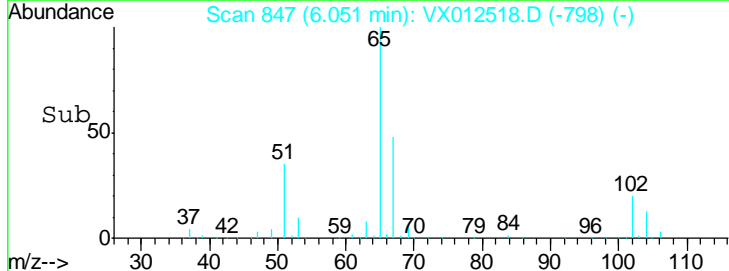
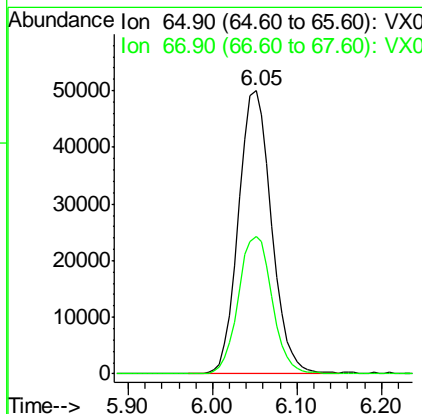
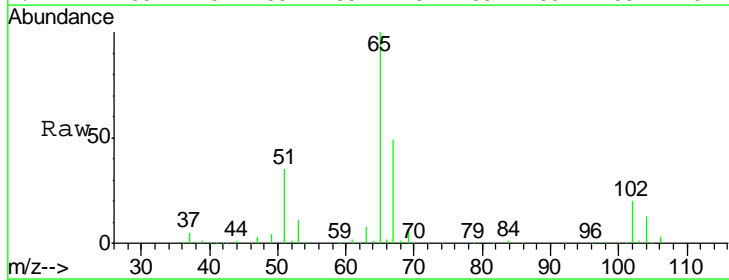
Ion	Ratio	Lower	Upper
168	100		
99	64.3	51.4	77.2

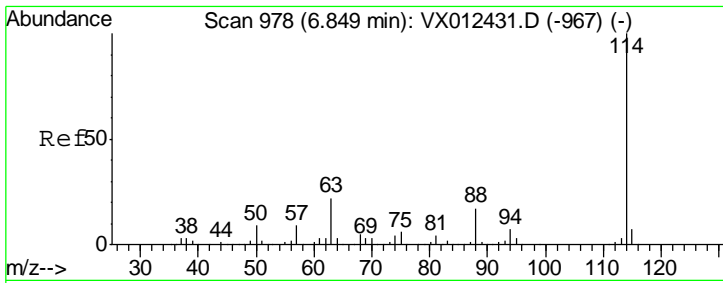


#33
 1,2-Dichloroethane-d4
 Concen: 46.150 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

Tgt Ion: 65 Resp: 132079

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	101.2

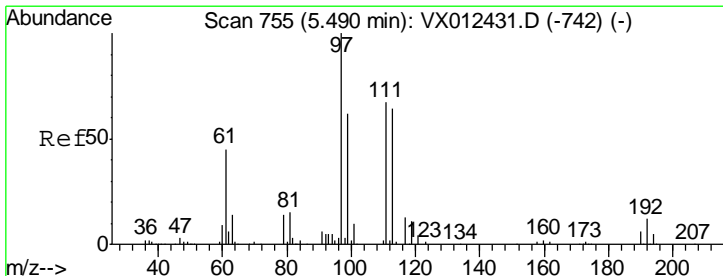
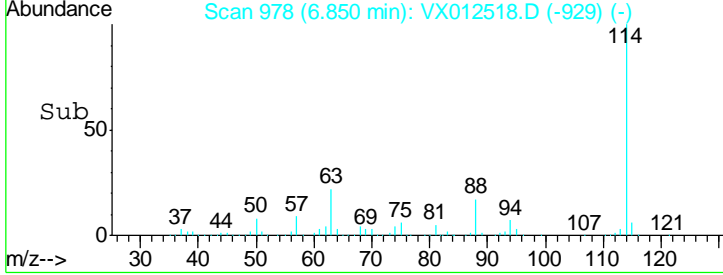
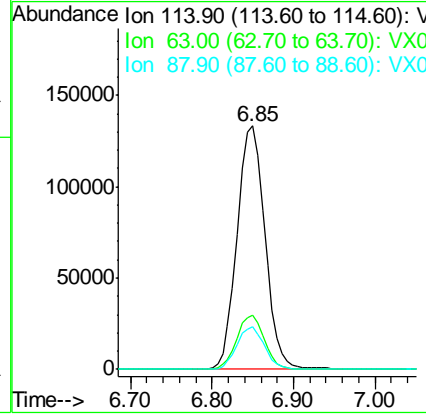
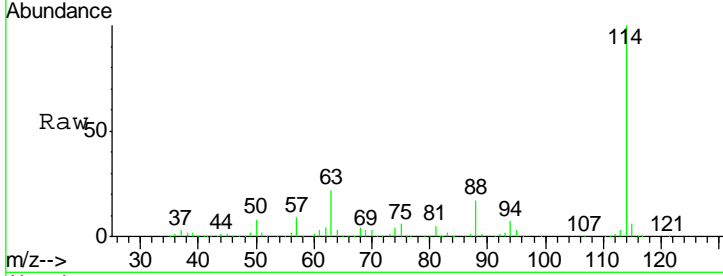




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

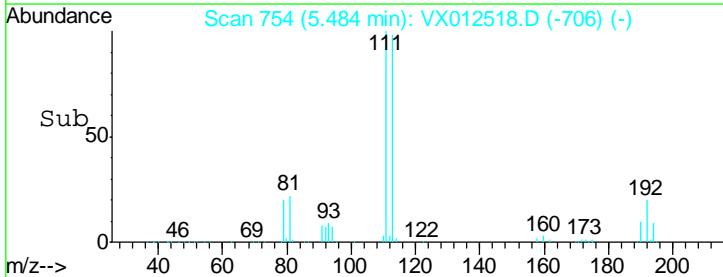
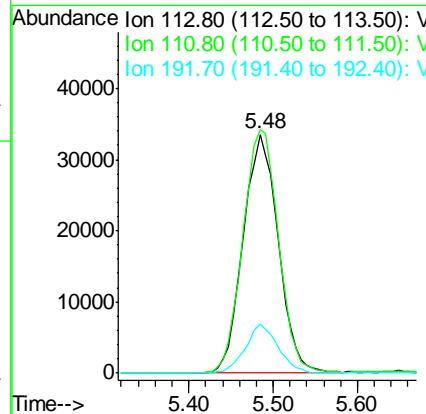
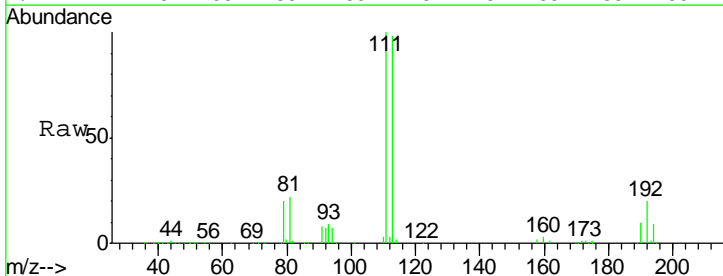
Instrument : MSVOA_X
 ClientSampled : VX0919MBL01

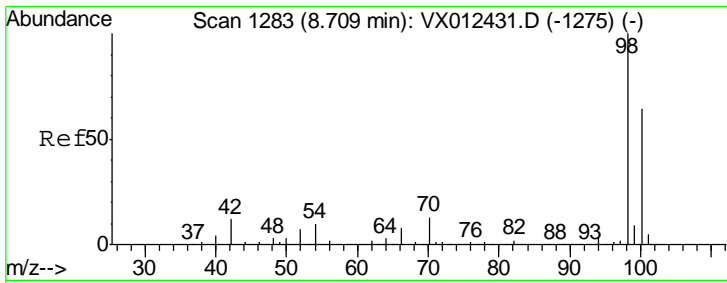
Tgt Ion	Resp	Lower	Upper
114	316231		
63	22.0	0.0	43.2
88	17.5	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 49.479 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

Tgt Ion	Resp	Lower	Upper
113	94703		
111	103.5	83.4	125.2
192	19.3	14.4	21.6

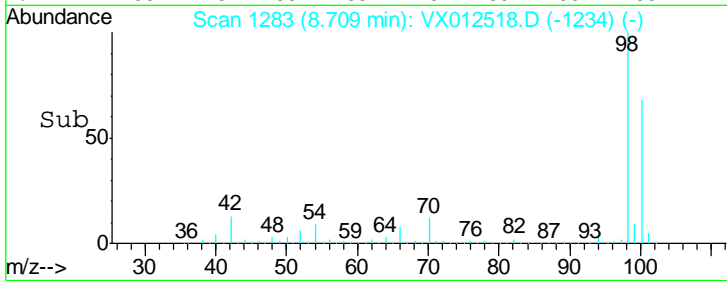
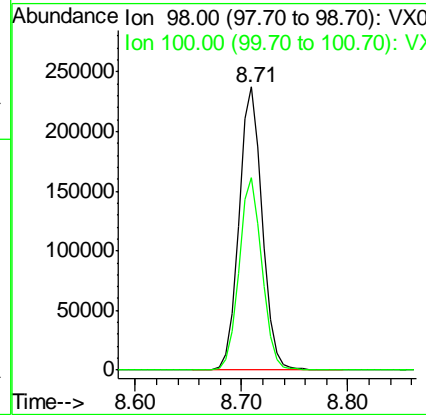
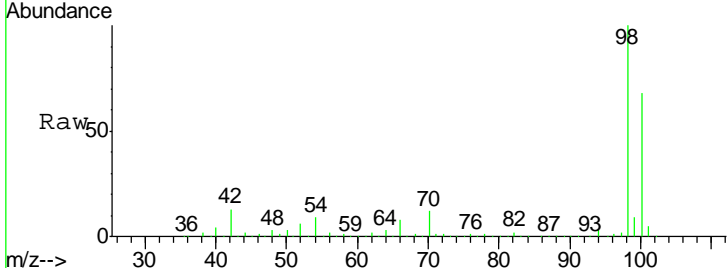




#50
 Toluene-d8
 Concen: 51.132 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

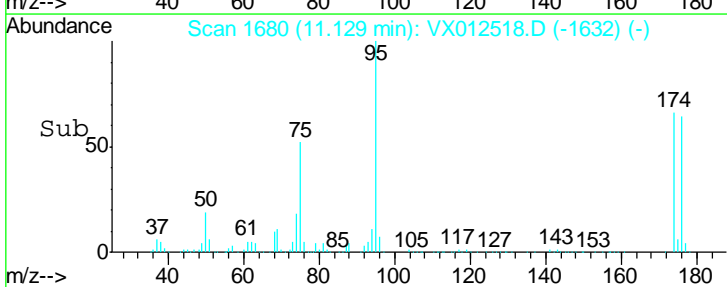
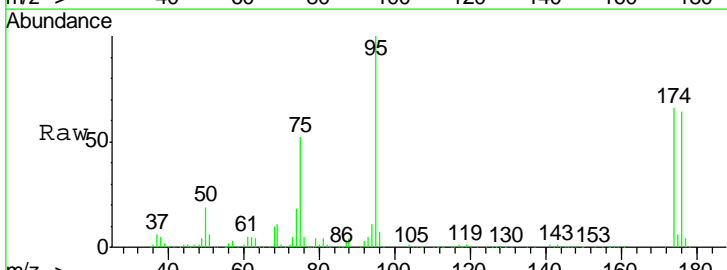
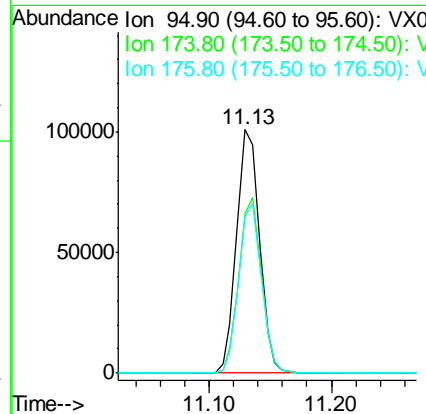
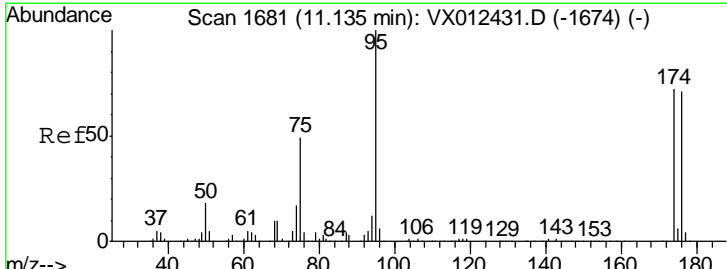
Instrument : MSVOA_X
 ClientSampled : VX0919MBL01

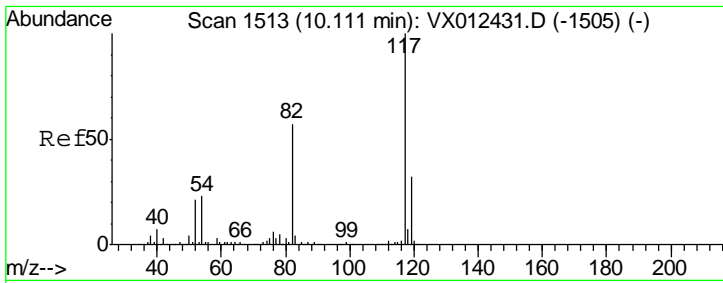
Tgt Ion	Resp	Lower	Upper
98	362251		
98	100		
100	67.5	53.4	80.2



#62
 4-Bromofluorobenzene
 Concen: 44.572 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

Tgt Ion	Resp	Lower	Upper
95	131112		
95	100		
174	71.2	0.0	140.0
176	69.0	0.0	135.4

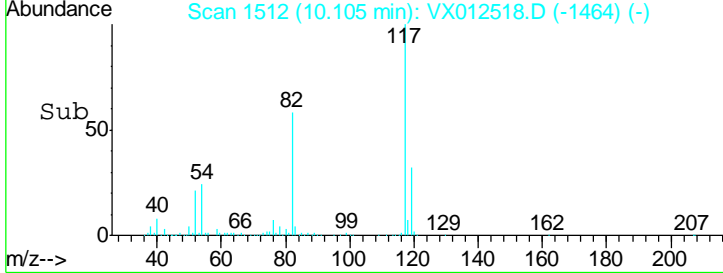
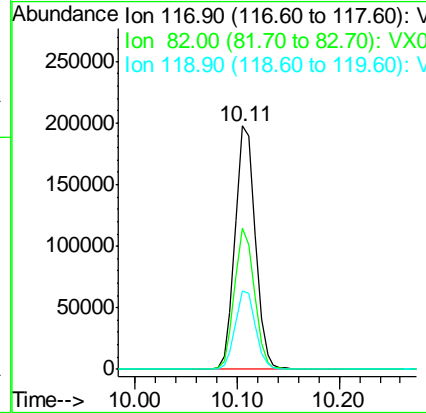
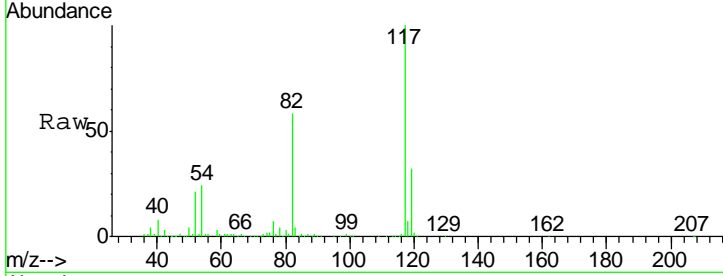




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

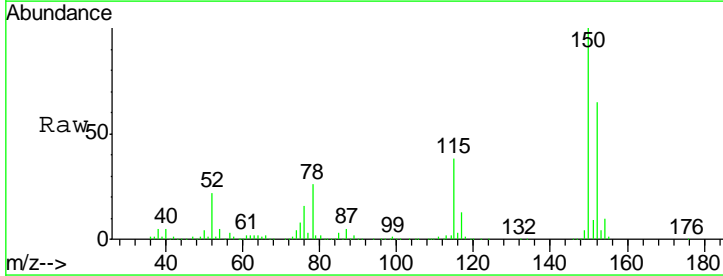
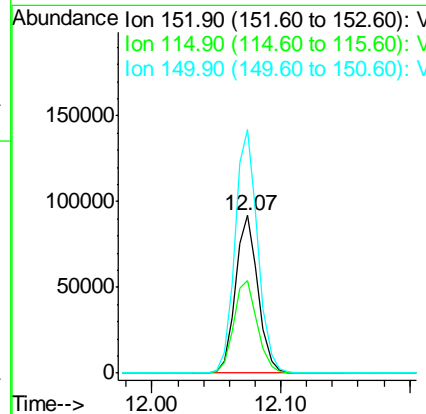
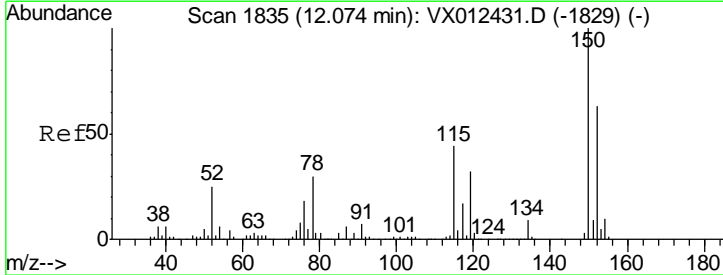
Instrument : MSVOA_X
 ClientSampled : VX0919MBL01

Tgt Ion	Resp	Lower	Upper
117	268813		
82	58.1	45.9	68.9
119	32.4	25.3	37.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

Tgt Ion	Resp	Lower	Upper
152	112083		
115	61.6	44.1	132.3
150	156.5	0.0	343.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012518.D
 Acq On : 19 Sep 2019 11:08
 Operator : JC/SP
 Sample : VX0919MBL01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBL01

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	42	rBV	429909	536846	53.81%	9.218%
2	1.265	58	62	68	rBV	11152	15128	1.52%	0.260%
3	5.484	739	754	768	rBV2	114636	330151	33.09%	5.669%
4	5.649	770	781	794	rBV2	225925	626836	62.83%	10.763%
5	6.045	836	846	861	rBV	135152	361937	36.28%	6.215%
6	6.850	967	978	996	rBV	320082	770108	77.20%	13.223%
7	8.709	1276	1283	1298	rBV	643993	997609	100.00%	17.130%
8	10.105	1506	1512	1526	rBV	619689	843486	84.55%	14.483%
9	11.129	1674	1680	1692	rBV	469161	623769	62.53%	10.711%
10	12.074	1829	1835	1844	rBV	565009	717925	71.96%	12.327%

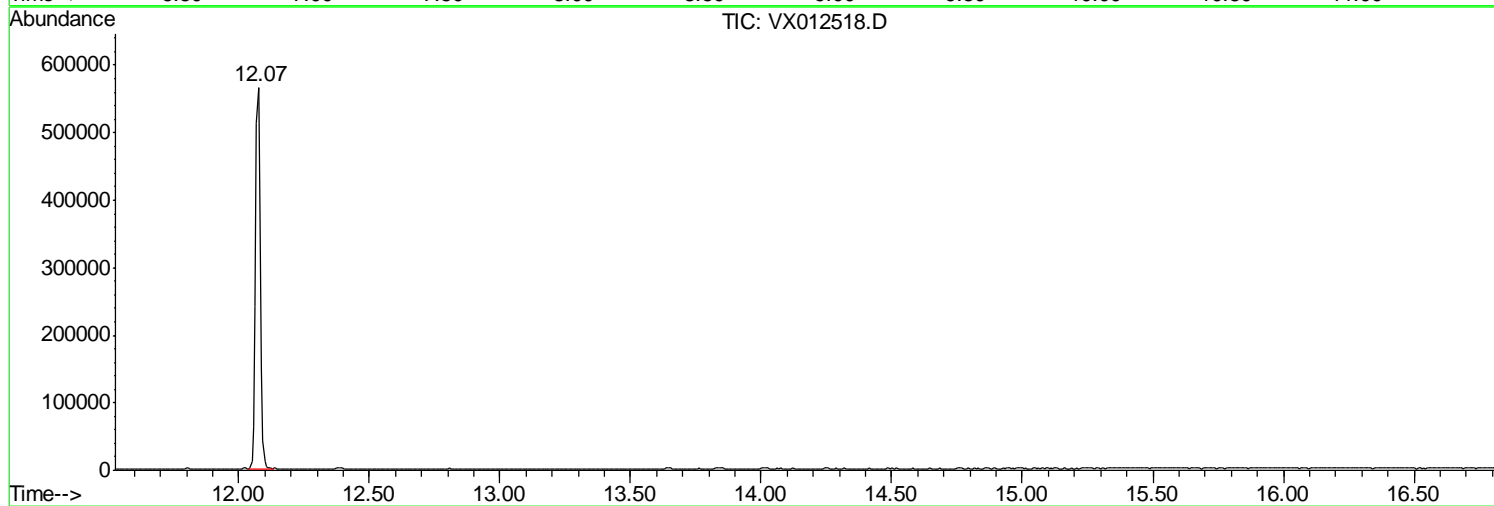
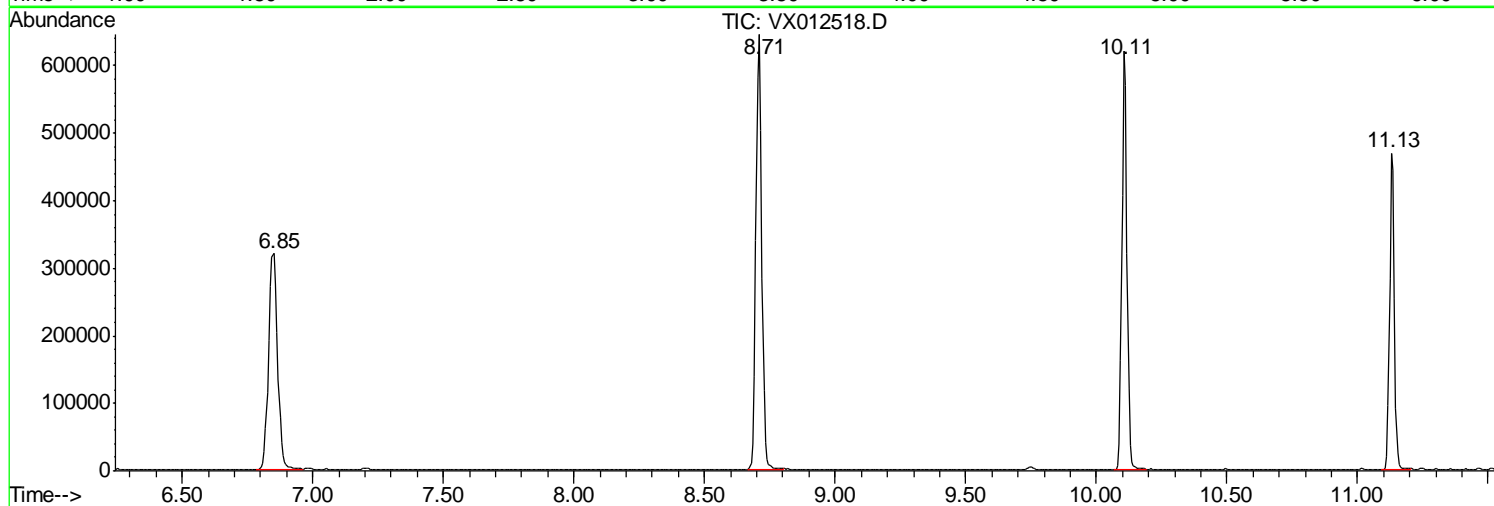
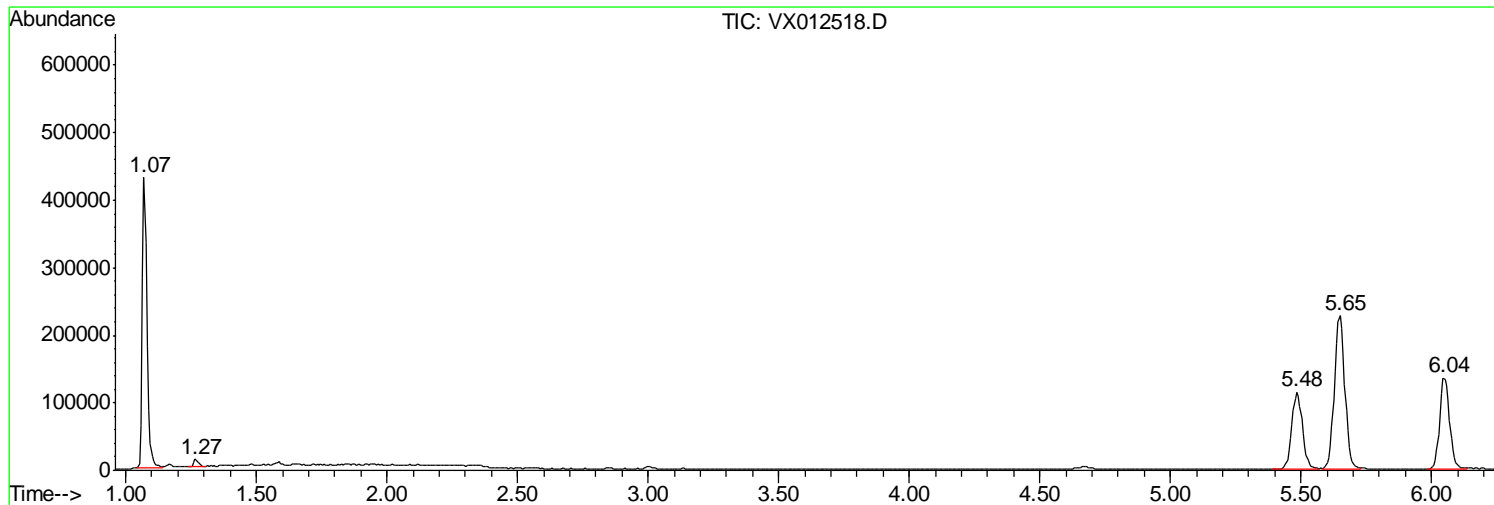
Sum of corrected areas: 5823795

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012518.D
Acq On : 19 Sep 2019 11:08
Operator : JC/SP
Sample : VX0919MBL01
Misc : 5.0 μ L/10mL/100 μ L/10mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0919MBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091919\
Data File : VX012518.D
Acq On : 19 Sep 2019 11:08
Operator : JC/SP
Sample : VX0919MBL01
Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091919\
 Data File : VX012518.D
 Acq On : 19 Sep 2019 11:08
 Operator : JC/SP
 Sample : VX0919MBL01
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0920MBL01	SDG No.:	K4888
Lab Sample ID:	VX0920MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012547.D	1		09/20/19 11:16	VX092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	500	U	90.9	500	ug/Kg
74-87-3	Chloromethane	500	U	180	500	ug/Kg
75-01-4	Vinyl Chloride	500	U	110	500	ug/Kg
74-83-9	Bromomethane	500	U	37.8	500	ug/Kg
75-00-3	Chloroethane	500	U	57.5	500	ug/Kg
75-69-4	Trichlorofluoromethane	500	U	64.6	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U	80.1	500	ug/Kg
75-35-4	1,1-Dichloroethene	500	U	99.1	500	ug/Kg
67-64-1	Acetone	2500	U	770	2500	ug/Kg
75-15-0	Carbon Disulfide	500	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	500	U	140	500	ug/Kg
79-20-9	Methyl Acetate	500	U	280	500	ug/Kg
75-09-2	Methylene Chloride	1000	U	520	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	500	U	130	500	ug/Kg
75-34-3	1,1-Dichloroethane	500	U	91.0	500	ug/Kg
110-82-7	Cyclohexane	500	U	180	500	ug/Kg
78-93-3	2-Butanone	2500	U	670	2500	ug/Kg
56-23-5	Carbon Tetrachloride	500	U	82.5	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	500	U	98.6	500	ug/Kg
74-97-5	Bromochloromethane	500	U	120	500	ug/Kg
67-66-3	Chloroform	500	U	86.3	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	500	U	110	500	ug/Kg
108-87-2	Methylcyclohexane	500	U	120	500	ug/Kg
71-43-2	Benzene	500	U	83.9	500	ug/Kg
107-06-2	1,2-Dichloroethane	500	U	120	500	ug/Kg
79-01-6	Trichloroethene	500	U	93.2	500	ug/Kg
78-87-5	1,2-Dichloropropane	500	U	120	500	ug/Kg
75-27-4	Bromodichloromethane	500	U	99.3	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2500	U	560	2500	ug/Kg
108-88-3	Toluene	500	U	97.5	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	500	U	100	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	500	U	110	500	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0920MBL01	SDG No.:	K4888
Lab Sample ID:	VX0920MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012547.D	1		09/20/19 11:16	VX092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	500	U	140	500	ug/Kg
591-78-6	2-Hexanone	2500	U	740	2500	ug/Kg
124-48-1	Dibromochloromethane	500	U	130	500	ug/Kg
106-93-4	1,2-Dibromoethane	500	U	130	500	ug/Kg
127-18-4	Tetrachloroethene	500	U	69.5	500	ug/Kg
108-90-7	Chlorobenzene	500	U	78.8	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	85.4	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	170	1000	ug/Kg
95-47-6	o-Xylene	500	U	110	500	ug/Kg
100-42-5	Styrene	500	U	99.1	500	ug/Kg
75-25-2	Bromoform	500	U	330	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	86.6	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	500	U	110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	110	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	110	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	130	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	330	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	110	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	500	U	130	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		56 - 120	95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		57 - 135	99%	SPK: 50
2037-26-5	Toluene-d8	50.8		67 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		33 - 141	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184000	5.65			
540-36-3	1,4-Difluorobenzene	296000	6.85			
3114-55-4	Chlorobenzene-d5	250000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.07			



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0920MBL01	SDG No.:	K4888
Lab Sample ID:	VX0920MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012547.D	1		09/20/19 11:16	VX092019

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012547.D
 Acq On : 20 Sep 2019 11:16
 Operator : JC/SP
 Sample : VX0920MBL01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBL01

Quant Time: Sep 20 16:28:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	183650	50.00	µg/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295629	50.00	µg/l	0.00
63) Chlorobenzene-d5	10.11	117	250258	50.00	µg/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102336	50.00	µg/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	124421	47.27	µg/l	0.00
Spiked Amount						
				Recovery	=	94.54%
35) Dibromofluoromethane	5.49	113	88461	49.44	µg/l	0.00
Spiked Amount						
				Recovery	=	98.88%
50) Toluene-d8	8.71	98	336189	50.76	µg/l	0.00
Spiked Amount						
				Recovery	=	101.52%
62) 4-Bromofluorobenzene	11.14	95	121452	44.17	µg/l	0.00
Spiked Amount						
				Recovery	=	88.34%

Target Compounds

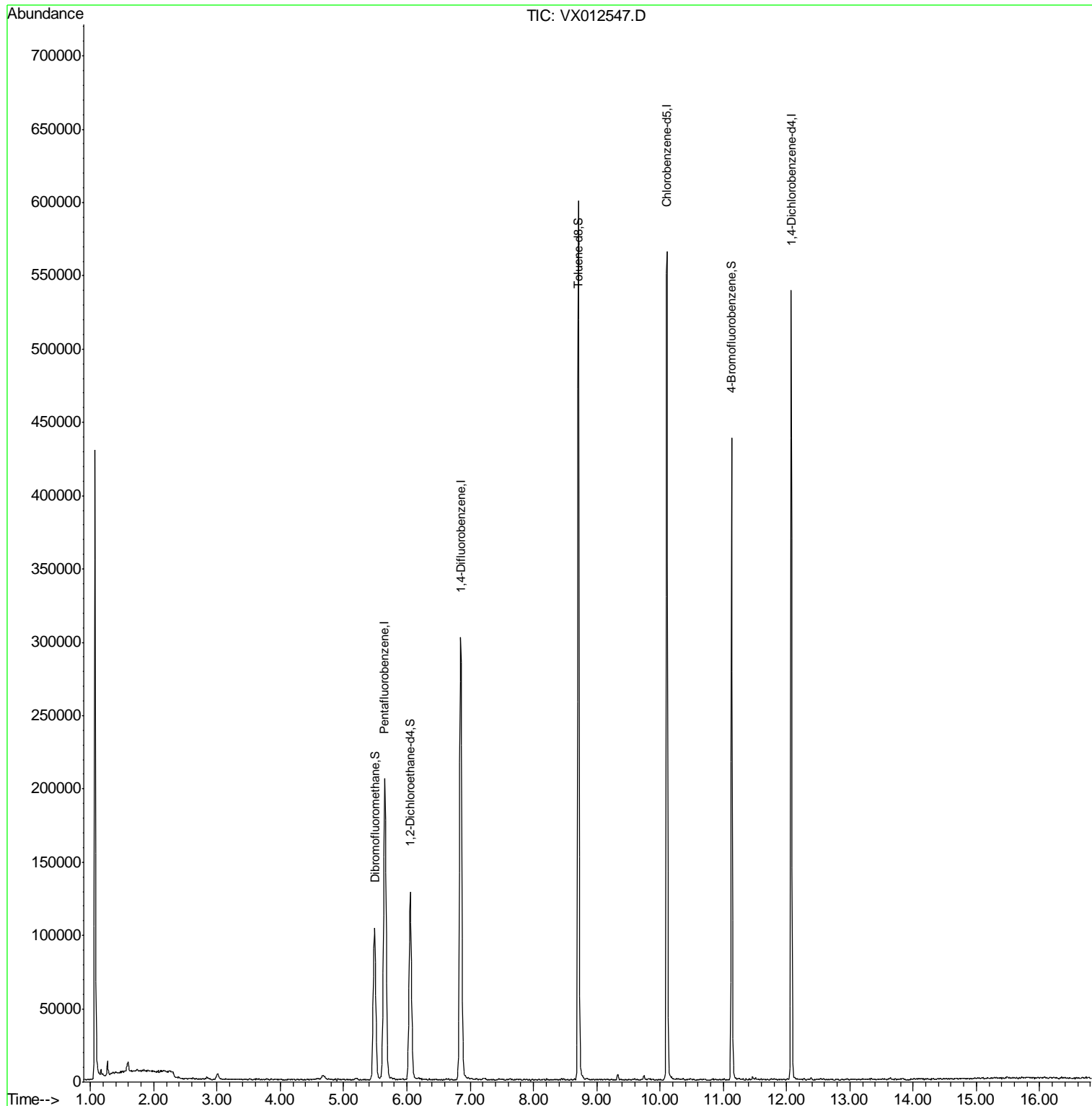
Qvalue

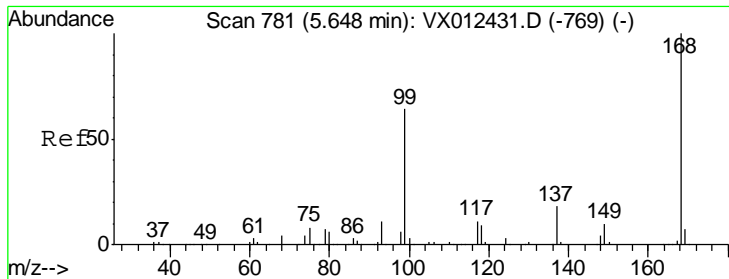
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
Data File : VX012547.D
Acq On : 20 Sep 2019 11:16
Operator : JC/SP
Sample : VX0920MBL01
Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0920MBL01

Quant Time: Sep 20 16:28:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

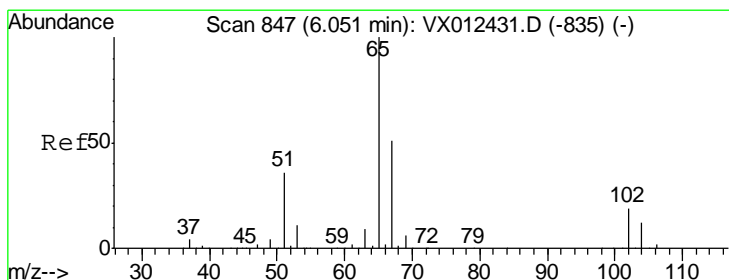
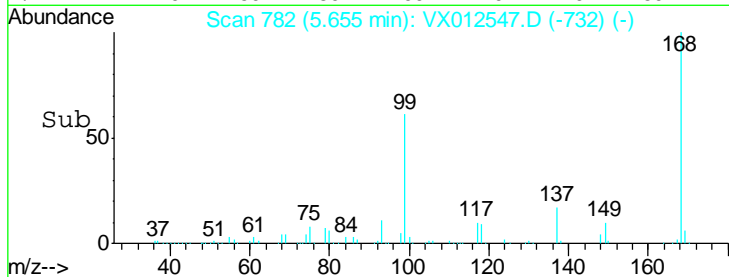
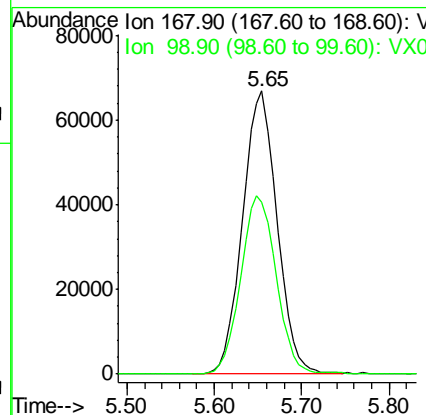
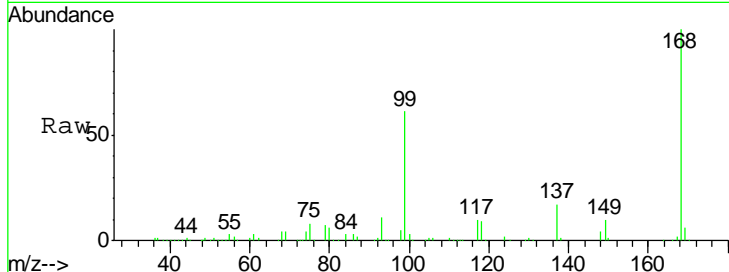




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

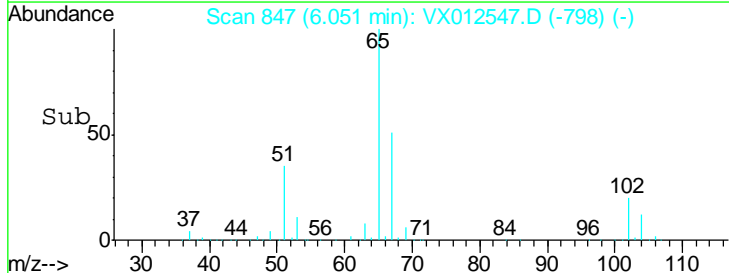
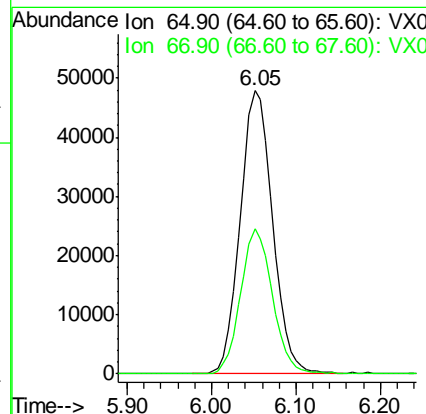
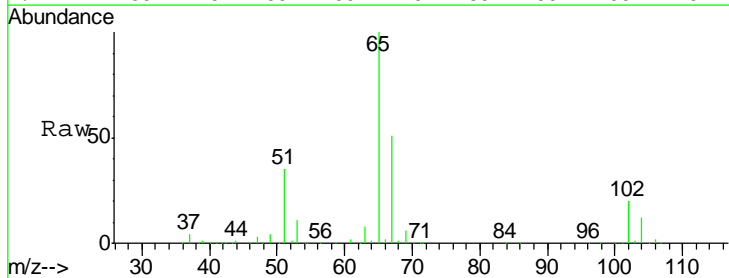
Instrument : MSVOA_X
 ClientSampleId : VX0920MBL01

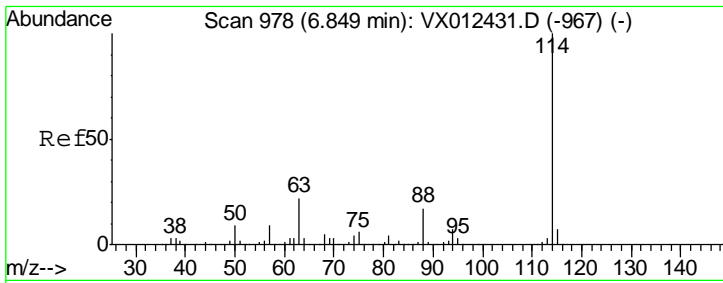
Tgt Ion	Resp	Lower	Upper
168	100		
99	61.0	51.4	77.2



#33
 1,2-Dichloroethane-d4
 Concen: 47.271 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

Tgt Ion	Resp	Lower	Upper
65	100		
67	50.6	0.0	101.2

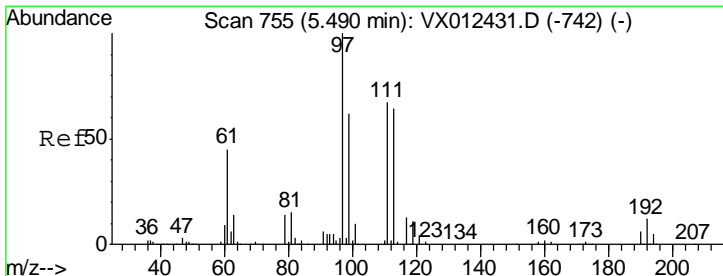
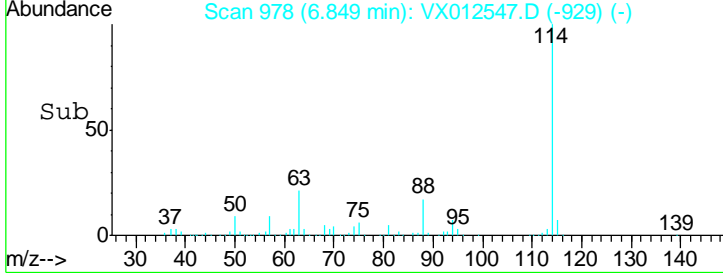
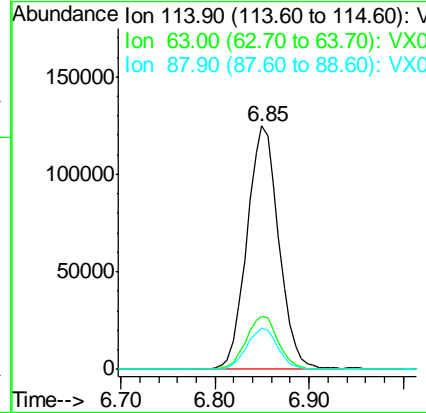
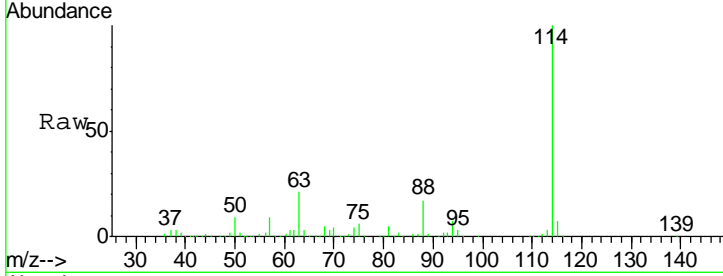




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

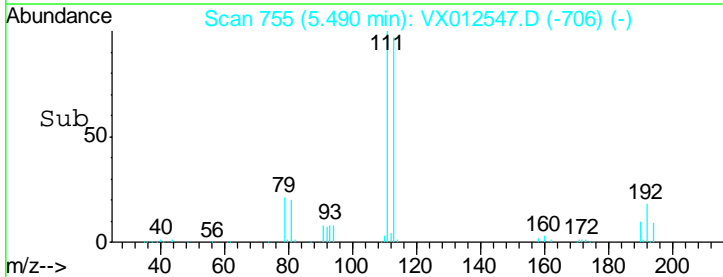
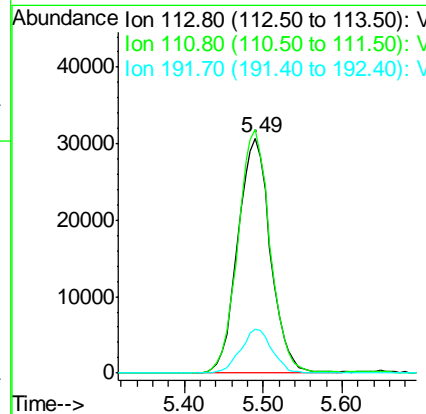
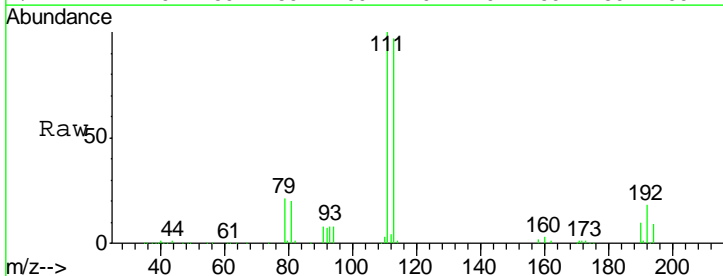
Instrument : MSVOA_X
 ClientSampleId : VX0920MBL01

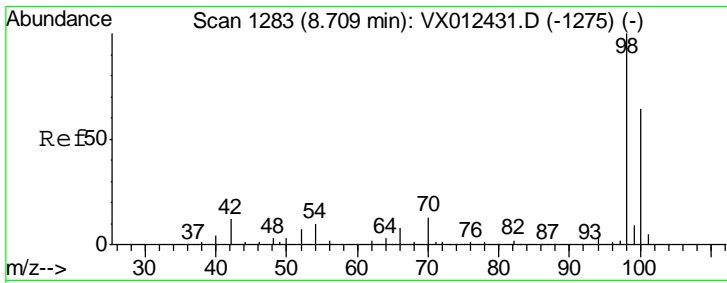
Tgt Ion	Resp	Lower	Upper
114	100		
63	21.5	0.0	43.2
88	16.9	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 49.438 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

Tgt Ion	Resp	Lower	Upper
113	100		
111	101.9	83.4	125.2
192	18.2	14.4	21.6

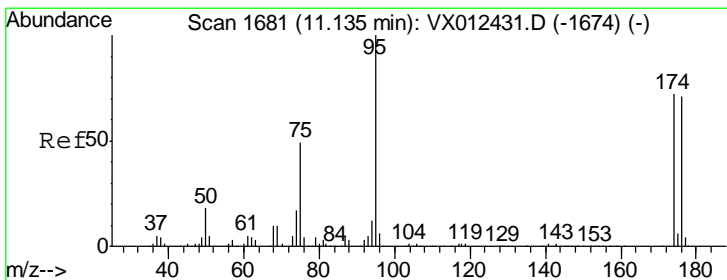
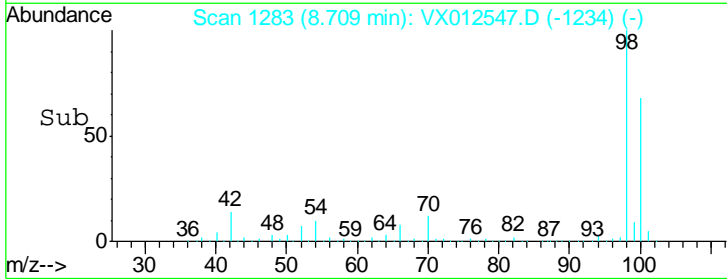
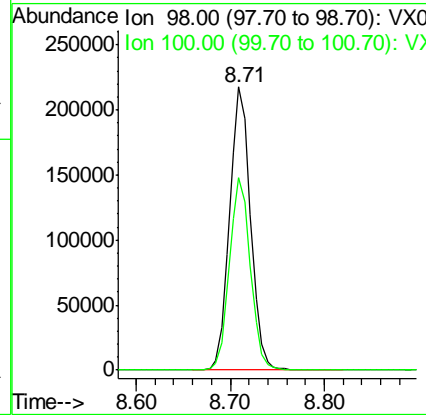
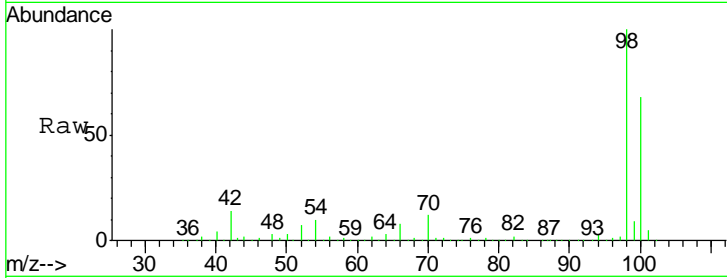




#50
 Toluene-d8
 Concen: 50.760 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

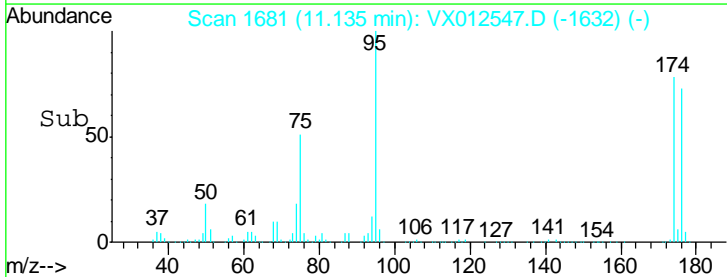
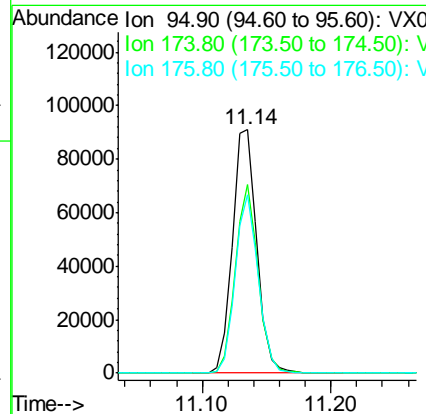
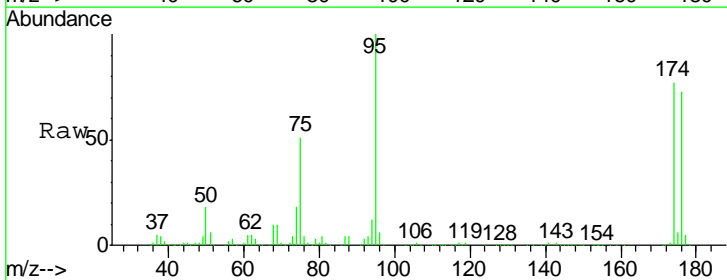
Instrument : MSVOA_X
 ClientSampled : VX0920MBL01

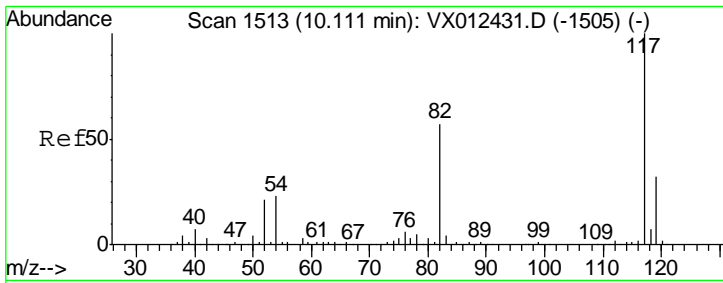
Tgt Ion	Resp	Lower	Upper
98	336189		
98	100		
100	67.9	53.4	80.2



#62
 4-Bromofluorobenzene
 Concen: 44.165 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

Tgt Ion	Resp	Lower	Upper
95	121452		
95	100		
174	72.1	0.0	140.0
176	68.9	0.0	135.4

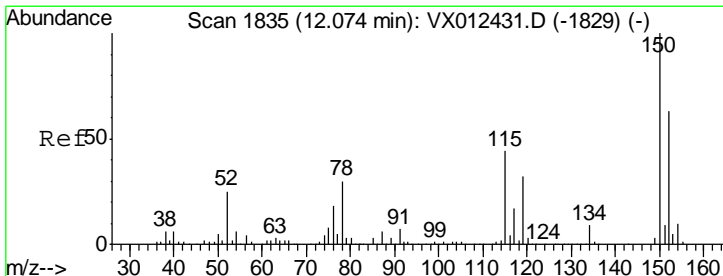
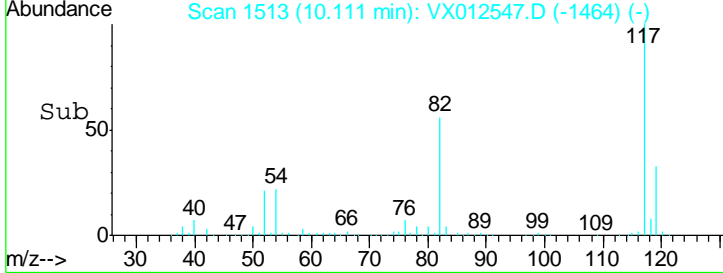
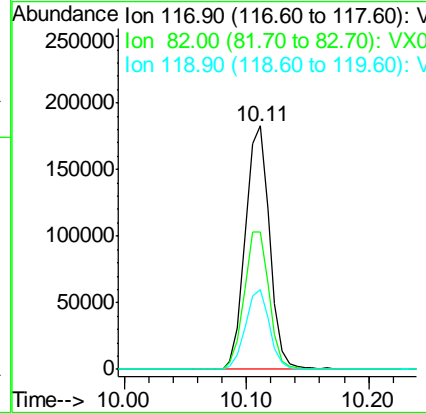
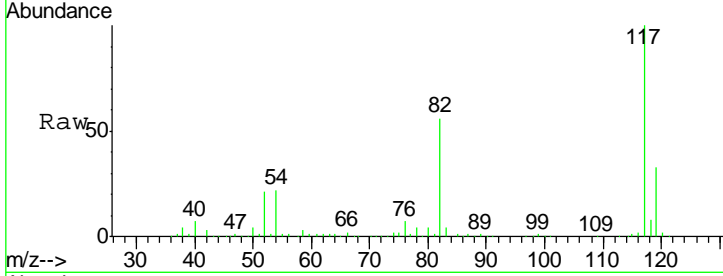




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

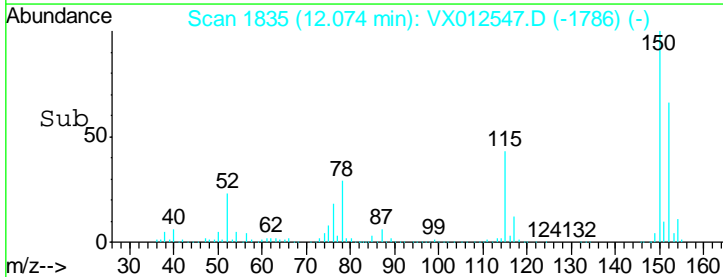
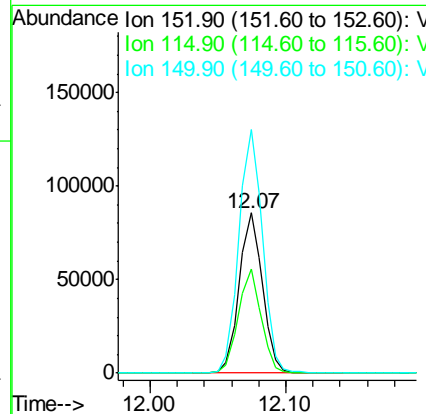
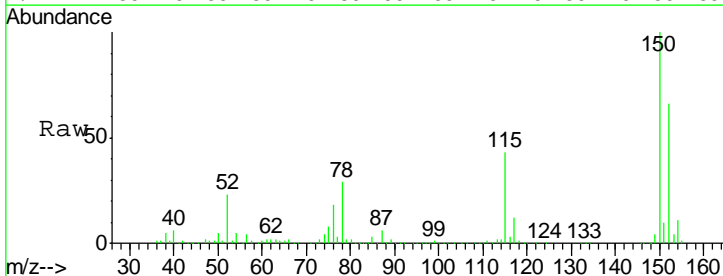
Instrument : MSVOA_X
 ClientSampled : VX0920MBL01

Tgt Ion	Resp	Lower	Upper
117	250258		
82	56.2	45.9	68.9
119	32.6	25.3	37.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

Tgt Ion	Resp	Lower	Upper
152	102336		
115	64.1	44.1	132.3
150	154.1	0.0	343.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012547.D
 Acq On : 20 Sep 2019 11:16
 Operator : JC/SP
 Sample : VX0920MBL01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBL01

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	43	rBV	428104	540267	57.67%	9.861%
2	1.265	59	62	68	rBV	9523	11399	1.22%	0.208%
3	1.594	110	116	120	rVB8	6178	11842	1.26%	0.216%
4	3.009	339	348	353	rBV4	4228	10264	1.10%	0.187%
5	5.490	741	755	767	rBV	104068	299126	31.93%	5.460%
6	5.649	769	781	795	rVV	204343	579839	61.89%	10.583%
7	6.051	838	847	863	rBV	127981	335298	35.79%	6.120%
8	6.849	966	978	992	rBV	302176	721381	77.00%	13.167%
9	8.709	1276	1283	1300	rBV	599876	936834	100.00%	17.099%
10	10.111	1506	1513	1521	rBV	564492	788354	84.15%	14.389%
11	11.135	1675	1681	1690	rBV	438143	582184	62.14%	10.626%
12	12.074	1829	1835	1847	rVB	538368	662117	70.68%	12.085%

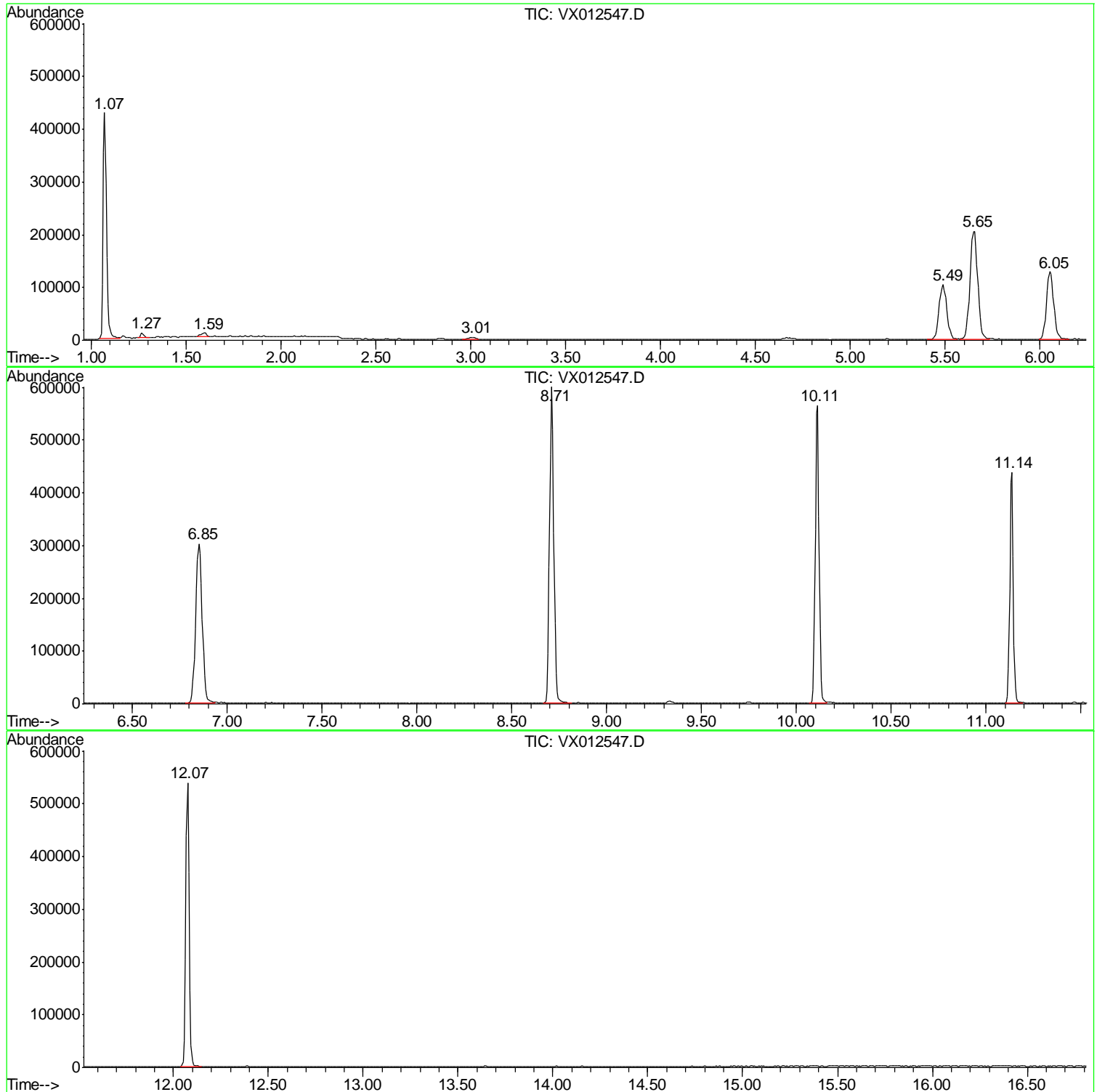
Sum of corrected areas: 5478905

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
Data File : VX012547.D
Acq On : 20 Sep 2019 11:16
Operator : JC/SP
Sample : VX0920MBL01
Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0920MBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092019\
Data File : VX012547.D
Acq On : 20 Sep 2019 11:16
Operator : JC/SP
Sample : VX0920MBL01
Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092019\
 Data File : VX012547.D
 Acq On : 20 Sep 2019 11:16
 Operator : JC/SP
 Sample : VX0920MBL01
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260

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

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VW0920SBS01	SDG No.:	K4888
Lab Sample ID:	VW0920SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013187.D	1		09/20/19 17:33	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	21.0		1.40	5.00	ug/Kg
591-78-6	2-Hexanone	130		7.40	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.2		1.30	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.6		1.30	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.8		0.70	5.00	ug/Kg
108-90-7	Chlorobenzene	19.6		0.79	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.85	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.6		1.70	10.0	ug/Kg
95-47-6	o-Xylene	19.6		1.10	5.00	ug/Kg
100-42-5	Styrene	19.7		0.99	5.00	ug/Kg
75-25-2	Bromoform	20.9		3.30	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.87	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		1.10	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.8		1.10	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.30	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	25.3		3.30	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		1.10	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.4		1.30	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		56 - 120	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		57 - 135	104%	SPK: 50
2037-26-5	Toluene-d8	52.1		67 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		33 - 141	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	303000	7.95			
540-36-3	1,4-Difluorobenzene	432000	8.84			
3114-55-4	Chlorobenzene-d5	374000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	195000	13.56			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013187.D
 Acq On : 20 Sep 2019 17:33
 Operator : SY/VA
 Sample : VW0920SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBS01

Manual Integrations
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 9/24/2019 5:28:53 AM

Quant Time: Sep 21 05:11:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194718	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	131361	53.15	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 106.30%
35) Dibromofluoromethane	7.88	113	123860	52.15	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 104.30%
50) Toluene-d8	10.32	98	518332	52.14	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 104.28%
62) 4-Bromofluorobenzene	12.62	95	180184	53.06	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 106.12%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	37516	21.479	ug/l	95
3) Chloromethane	2.21	50	49322	21.967	ug/l	98
4) Vinyl Chloride	2.35	62	59098	20.416	ug/l	98
5) Bromomethane	2.74	94	38289	20.873	ug/l	93
6) Chloroethane	2.90	64	32974	19.326	ug/l	96
7) Trichlorofluoromethane	3.25	101	32304	19.354	ug/l	99
8) Diethyl Ether	3.67	74	28778	20.185	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55451	20.406	ug/l	96
10) Methyl Iodide	4.26	142	76755	18.218	ug/l	100
11) Tert butyl alcohol	5.13	59	41374m	231.837	ug/l	
12) 1,1-Dichloroethene	4.03	96	56537	20.092	ug/l	97
13) Acrolein	3.89	56	18392	129.284	ug/l	96
14) Allyl chloride	4.66	41	84298	18.823	ug/l	99
15) Acrylonitrile	5.37	53	75704	123.025	ug/l	98
16) Acetone	4.11	43	67315	120.787	ug/l	99
17) Carbon Disulfide	4.38	76	156432	19.233	ug/l	100
18) Methyl Acetate	4.67	43	39081	24.947	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	88546	20.531	ug/l	94
20) Methylene Chloride	4.91	84	61371	19.776	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	59113	19.436	ug/l	98
22) Diisopropyl ether	6.31	45	168379	19.772	ug/l	97
23) Vinyl Acetate	6.25	43	543340	107.545	ug/l	97
24) 1,1-Dichloroethane	6.21	63	98834	19.233	ug/l	99
25) 2-Butanone	7.16	43	105797	126.460	ug/l	99
26) 2,2-Dichloropropane	7.16	77	67554	19.969	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	61291	19.096	ug/l	96
28) Bromochloromethane	7.51	49	36567	18.540	ug/l	# 99
29) Tetrahydrofuran	7.52	42	66164	128.959	ug/l	99
30) Chloroform	7.67	83	94413	18.766	ug/l	96
31) Cyclohexane	7.95	56	106453	19.873	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	78926	19.369	ug/l	100
36) 1,1-Dichloropropene	8.08	75	83423	19.945	ug/l	99
37) Ethyl Acetate	7.25	43	44471	25.016	ug/l	100
38) Carbon Tetrachloride	8.07	117	73477	19.596	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013187.D
 Acq On : 20 Sep 2019 17:33
 Operator : SY/VA
 Sample : VW0920SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Manual Integrations
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Quant Time: Sep 21 05:11:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106842	19.876	ug/l	95
40) Benzene	8.32	78	231074	19.806	ug/l	97
41) Methacrylonitrile	7.48	41	26657	25.125	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	64744	20.643	ug/l	99
43) Isopropyl Acetate	8.42	43	78749	23.113	ug/l	97
44) Trichloroethene	9.09	130	64440	19.686	ug/l	94
45) 1,2-Dichloropropane	9.37	63	54899	19.274	ug/l	97
46) Dibromomethane	9.46	93	28577	20.665	ug/l	97
47) Bromodichloromethane	9.64	83	66837	18.994	ug/l	97
48) Methyl methacrylate	9.43	41	37971	23.701	ug/l	98
49) 1,4-Dioxane	9.45	88	12109	583.339	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	215017	125.885	ug/l	99
52) Toluene	10.38	92	148234	19.825	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	72657	20.098	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	85809	19.521	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43364	20.979	ug/l	98
56) Ethyl methacrylate	10.65	69	61366	22.685	ug/l	98
57) 1,3-Dichloropropane	10.93	76	75232	20.857	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	141787	113.220	ug/l	100
59) 2-Hexanone	10.96	43	151987	129.336	ug/l	99
60) Dibromochloromethane	11.13	129	47481	20.230	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42487	21.619	ug/l	99
64) Tetrachloroethene	10.86	164	56094	19.790	ug/l	93
65) Chlorobenzene	11.66	112	152873	19.597	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	52392	19.659	ug/l	100
67) Ethyl Benzene	11.73	91	280175	19.822	ug/l	99
68) m/p-Xylenes	11.84	106	213355	39.613	ug/l	98
69) o-Xylene	12.16	106	98306	19.632	ug/l	100
70) Styrene	12.18	104	169388	19.703	ug/l	98
71) Bromoform	12.35	173	29419	20.895	ug/l #	99
73) Isopropylbenzene	12.46	105	280448	19.497	ug/l	100
74) N-amyl acetate	12.27	43	72776	22.801	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53467	22.226	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	41427m	24.091	ug/l	
77) Bromobenzene	12.74	156	65530	19.225	ug/l	95
78) n-propylbenzene	12.80	91	329362	19.562	ug/l	100
79) 2-Chlorotoluene	12.89	91	184057	19.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	237434	19.637	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16857	21.997	ug/l	97
82) 4-Chlorotoluene	12.99	91	193368	19.440	ug/l	100
83) tert-Butylbenzene	13.21	119	207985	19.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	235228	19.550	ug/l	100
85) sec-Butylbenzene	13.38	105	290834	19.877	ug/l	99
86) p-Isopropyltoluene	13.50	119	267857	19.738	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	127087	19.373	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	127304	19.787	ug/l	99
89) n-Butylbenzene	13.82	91	245717	19.829	ug/l	99
90) Hexachloroethane	14.09	117	43242	18.968	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	113897	20.069	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9299	25.272	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013187.D
 Acq On : 20 Sep 2019 17:33
 Operator : SY/VA
 Sample : VW0920SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Manual Integrations
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Quant Time: Sep 21 05:11:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	81608	20.067	ug/l	99
94) Hexachlorobutadiene	15.24	225	54262	19.503	ug/l	98
95) Naphthalene	15.36	128	150976	22.699	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	71730	20.413	ug/l	99

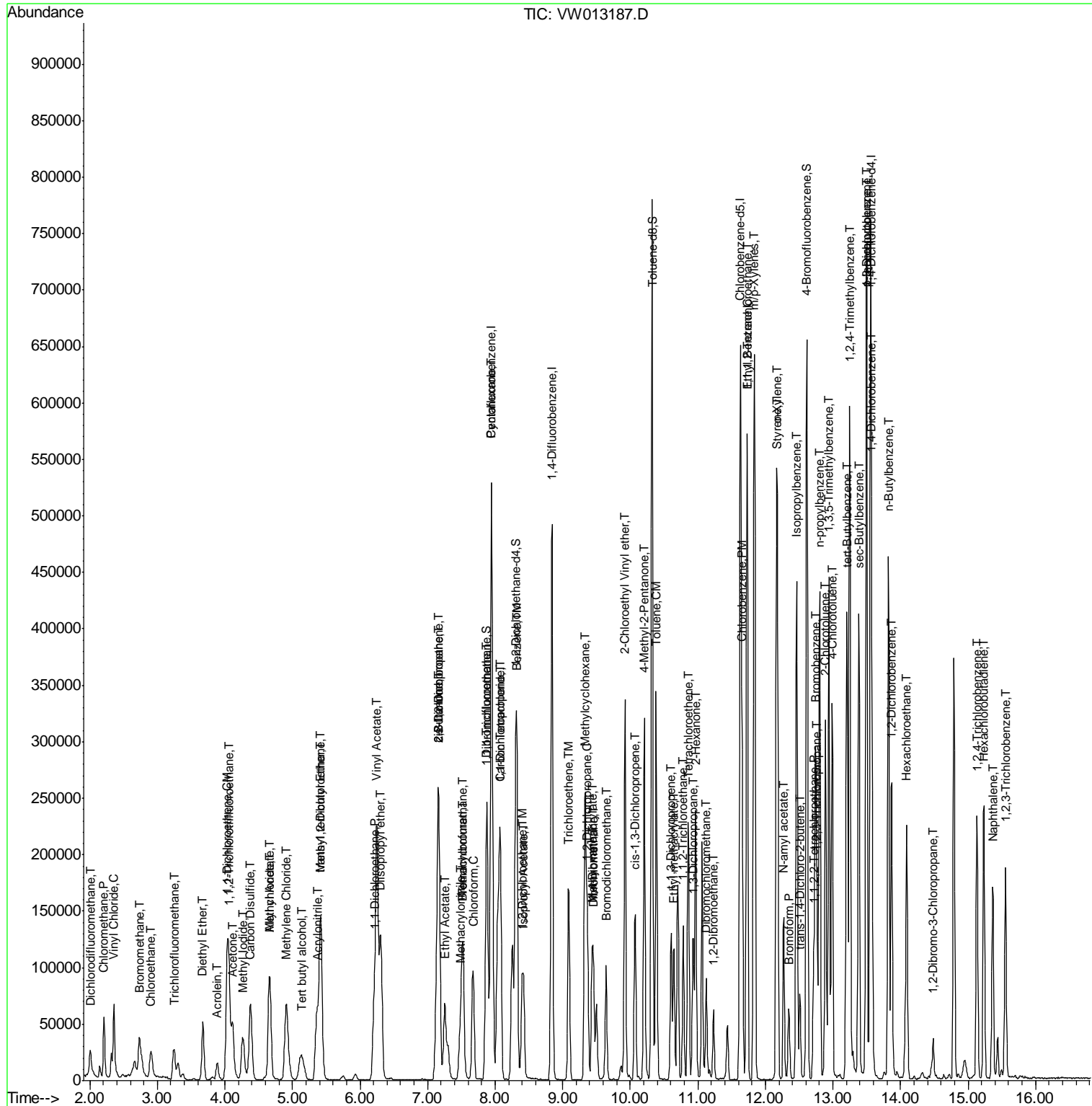
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013187.D
 Acq On : 20 Sep 2019 17:33
 Operator : SY/VA
 Sample : VW0920SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

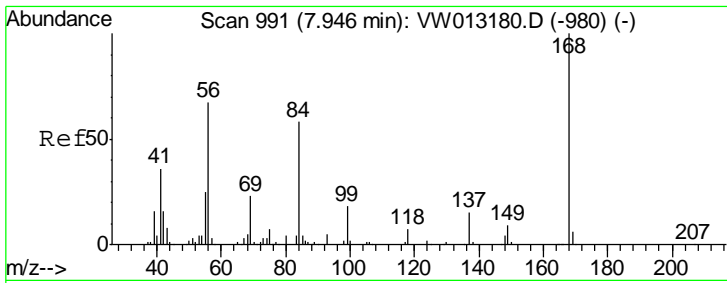
Instrument : MSVOA_W
 Client Sampled : VW0920SBS01

Manual Integrations APPROVED
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Quant Time: Sep 21 05:11:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



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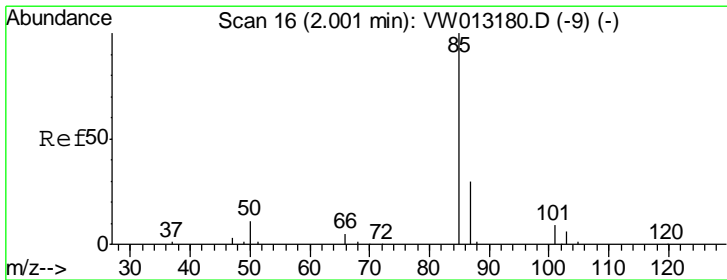
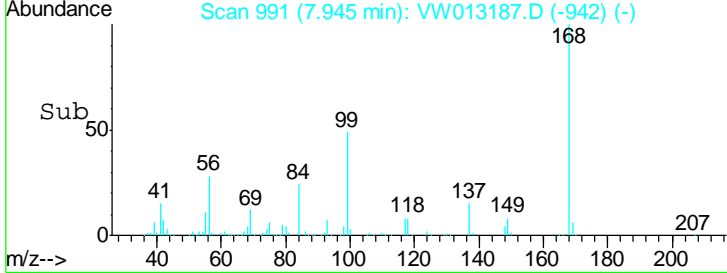
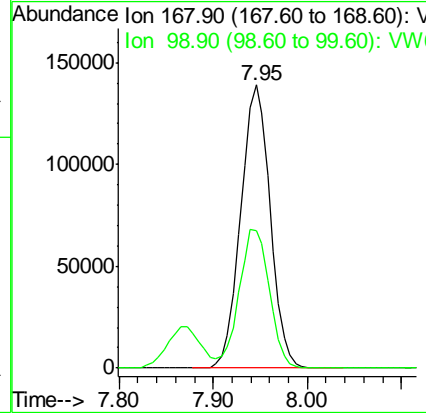
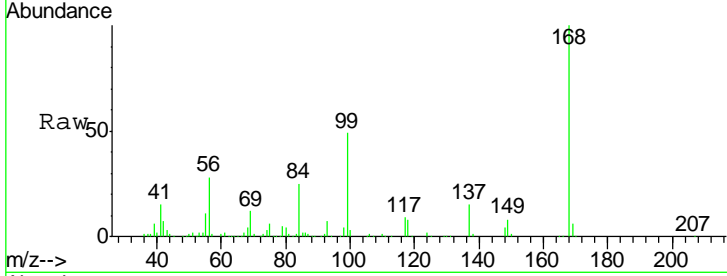


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
168	100		
99	48.8	40.2	60.4

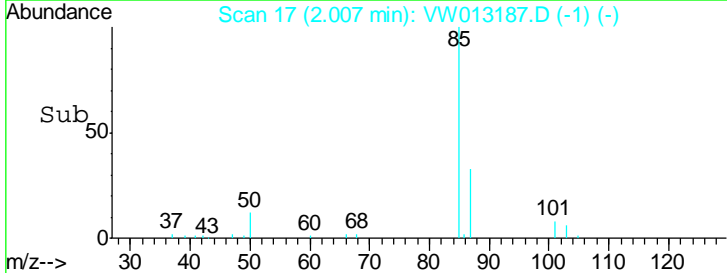
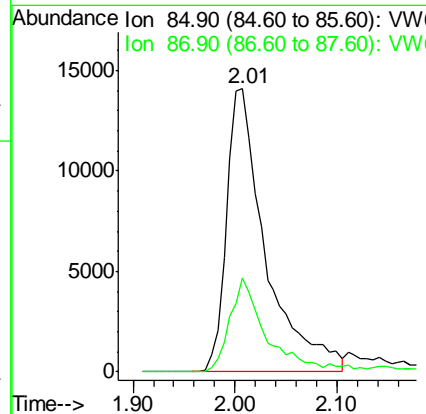
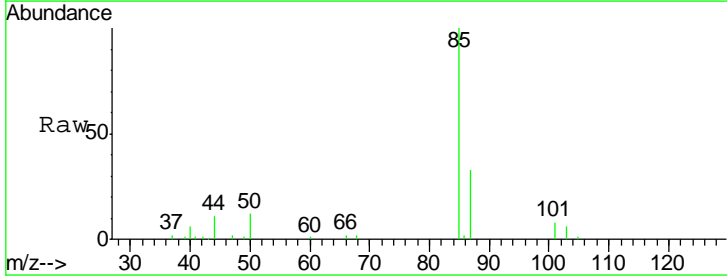
Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

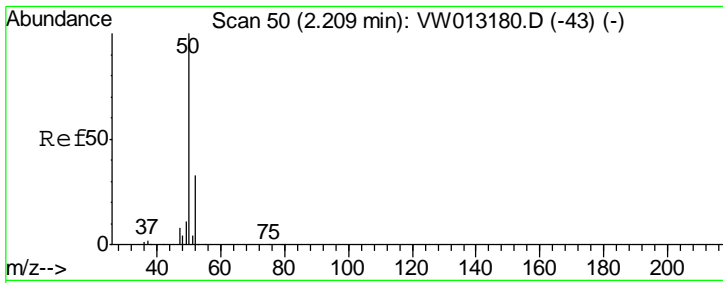
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#2
 Dichlorodifluoromethane
 Concen: 21.479 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
85	100		
87	33.2	15.1	45.3



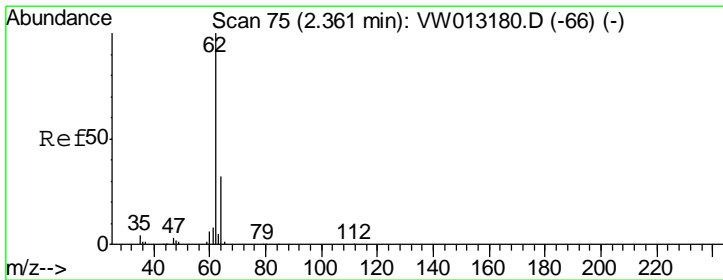
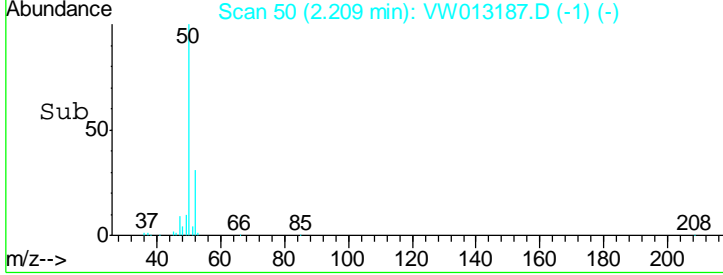
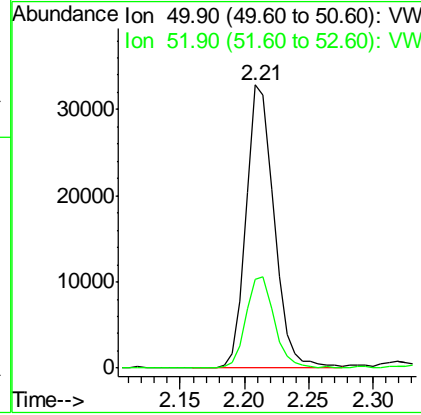
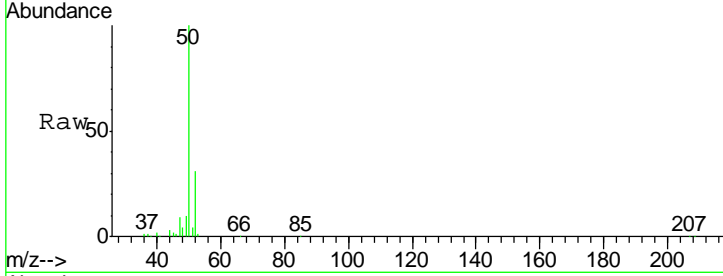


#3
 Chloromethane
 Concen: 21.967 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
50	100		
52	31.3	26.1	39.1

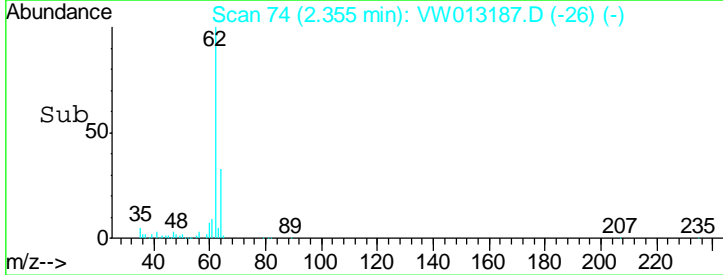
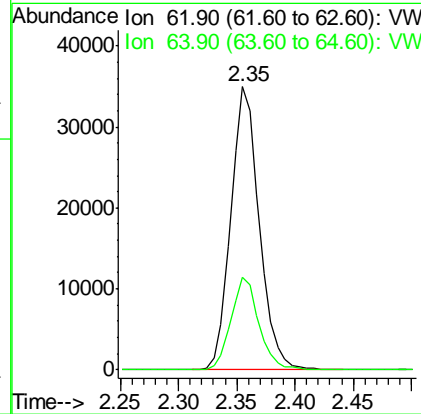
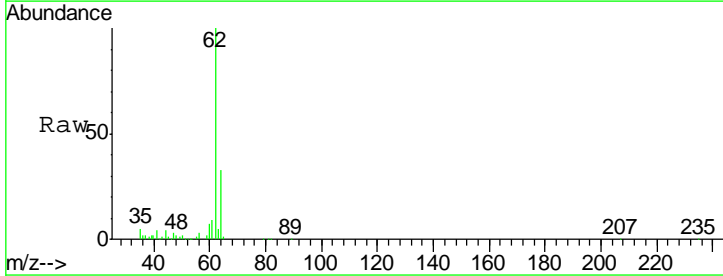
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 ClientSampled : VW0920SBS01

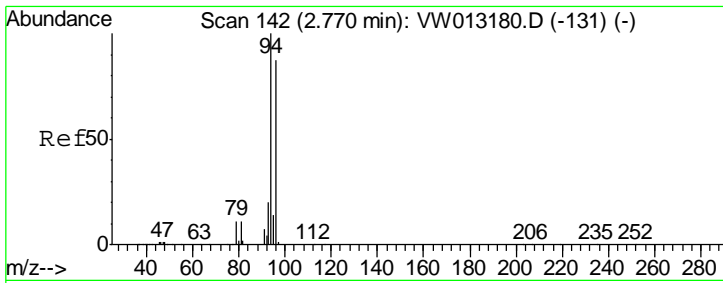
Manual Integrations
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 9/24/2019 5:28:53 AM



#4
 Vinyl Chloride
 Concen: 20.416 ug/l
 RT: 2.35 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.9	25.3	37.9



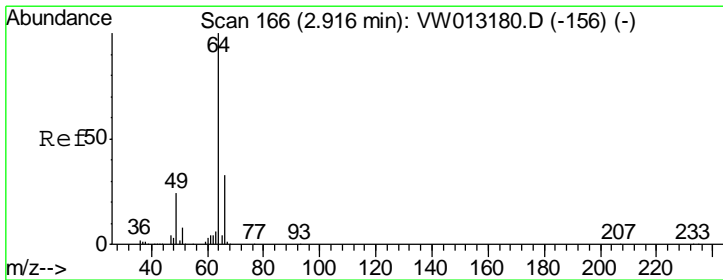
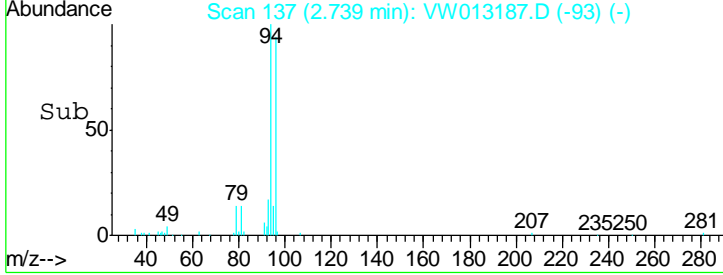
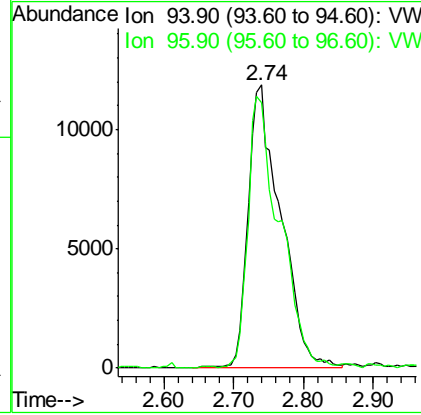
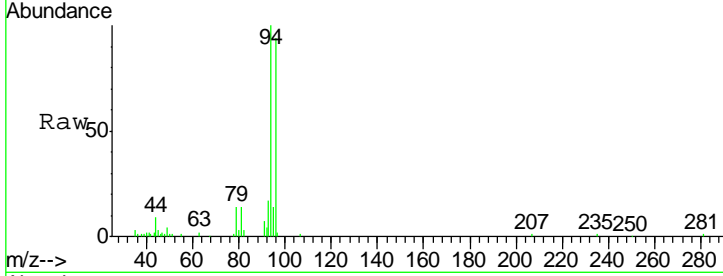


#5
 Bromomethane
 Concen: 20.873 ug/l
 RT: 2.74 min Scan# 137
 Delta R.T. -0.03 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.6	69.7	104.5

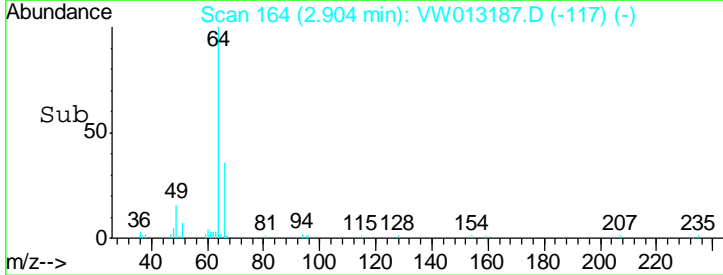
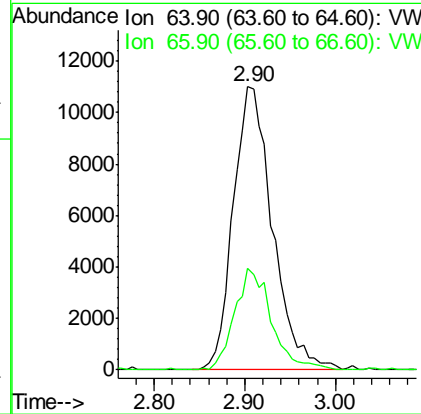
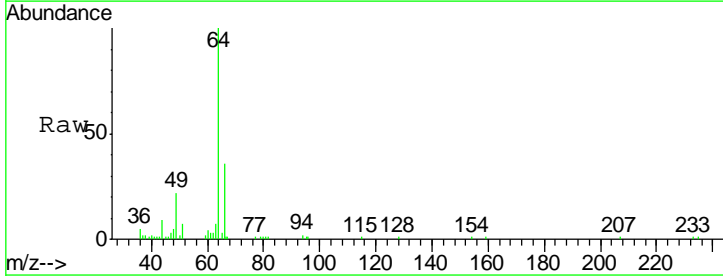
Instrument :
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 ClientSampled :
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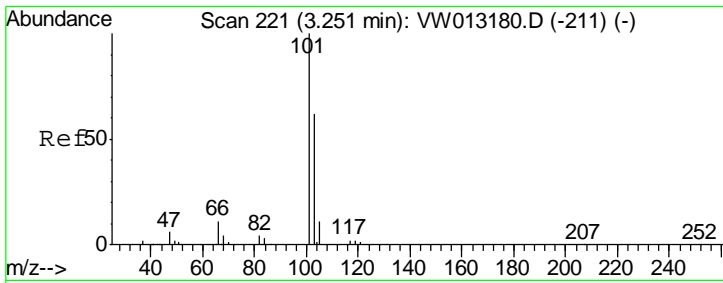
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 9/24/2019 5:28:53 AM



#6
 Chloroethane
 Concen: 19.326 ug/l
 RT: 2.90 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
64	100		
66	35.7	26.6	39.8



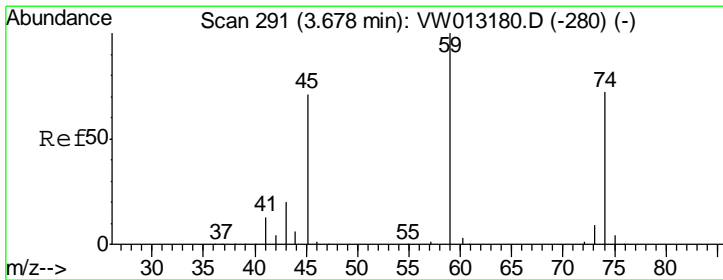
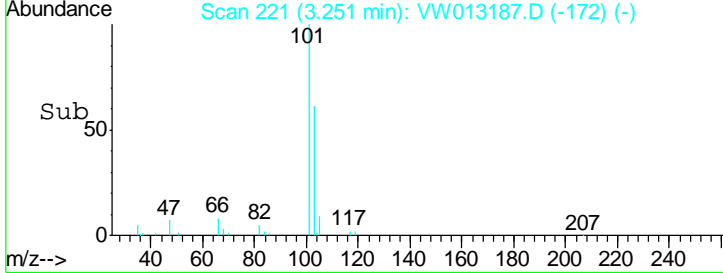
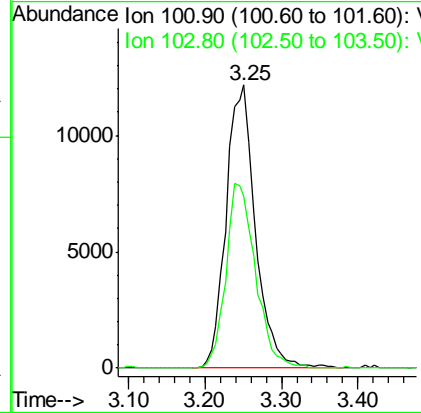
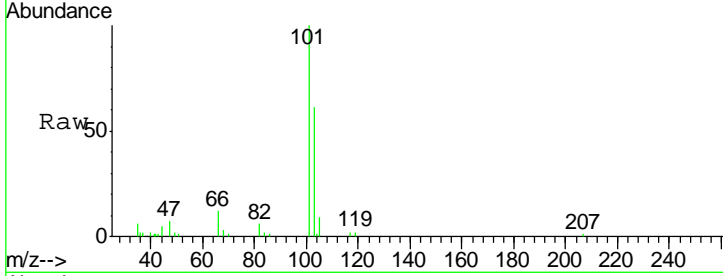


#7
 Trichlorofluoromethane
 Concen: 19.354 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
101	32304		
101	100		
103	61.0	49.7	74.5

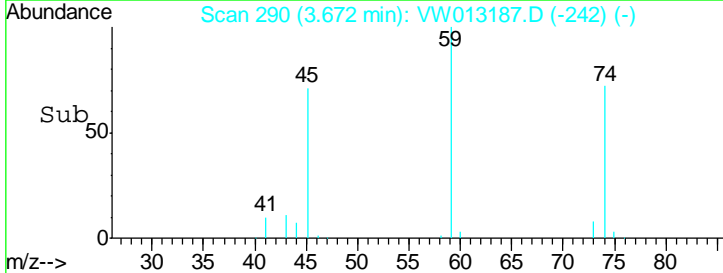
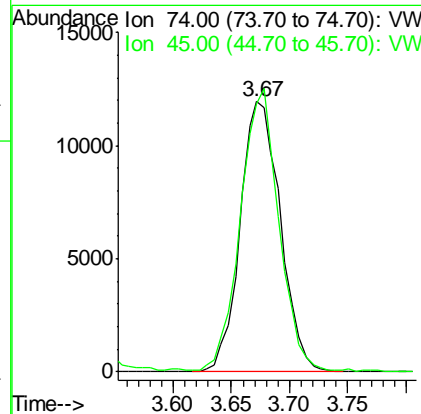
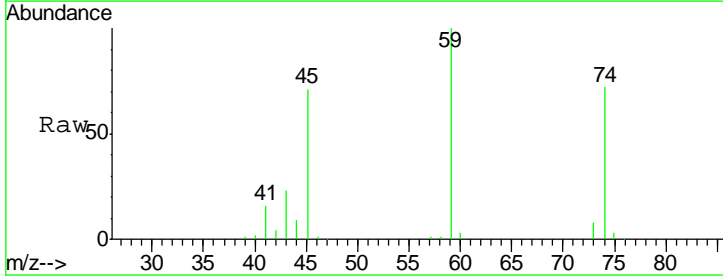
Instrument : MSVOA_W
 ClientSampleId : VW0920SBS01

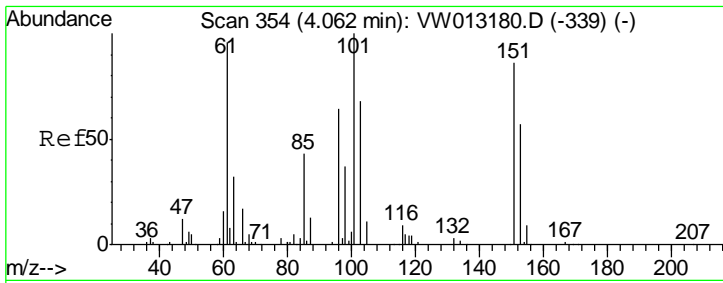
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#8
 Diethyl Ether
 Concen: 20.185 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

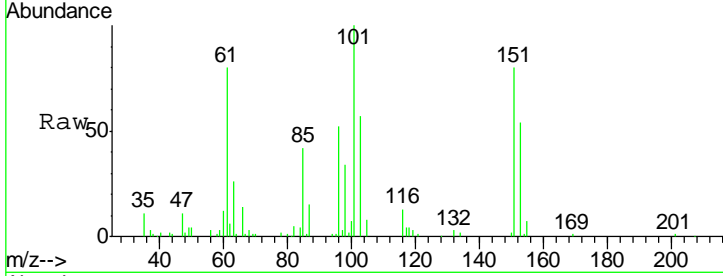
Tgt Ion	Resp	Lower	Upper
74	28778		
74	100		
45	99.6	49.5	148.7





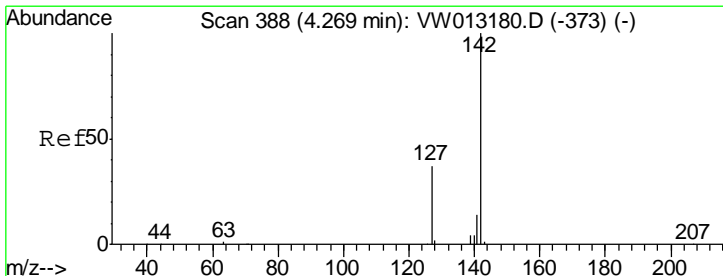
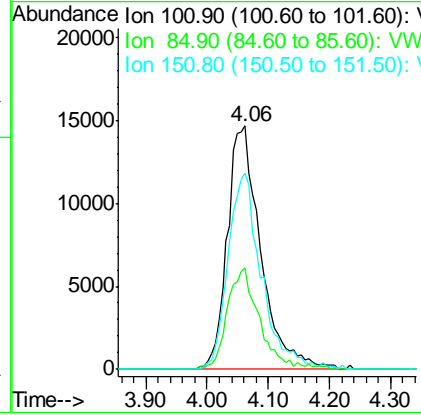
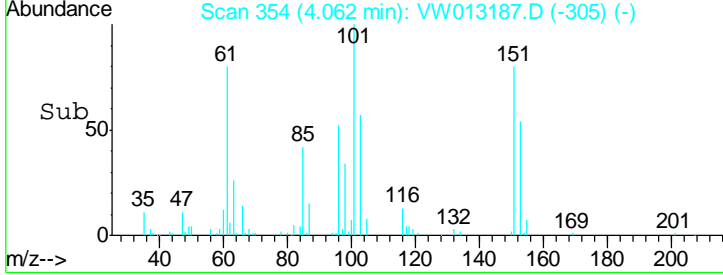
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.406 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

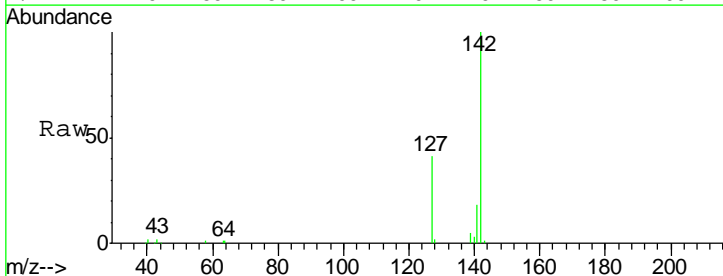


Tgt Ion	Resp	Lower	Upper
101	55451		
101	100		
85	39.6	33.4	50.0
151	80.1	66.9	100.3

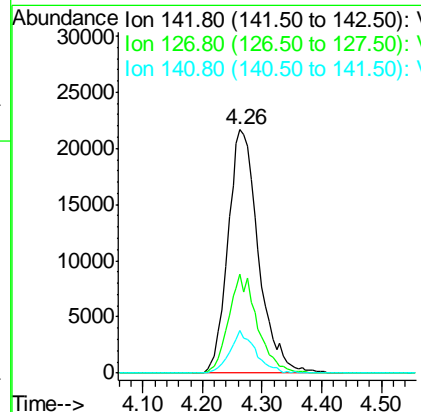
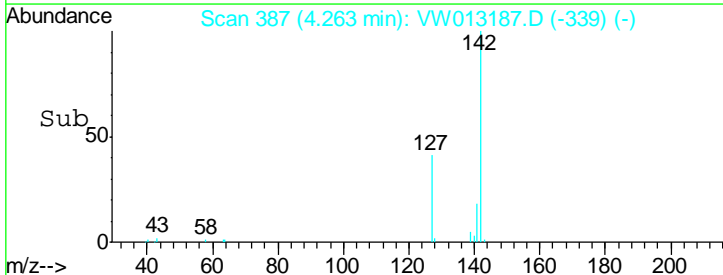
Manual Integrations
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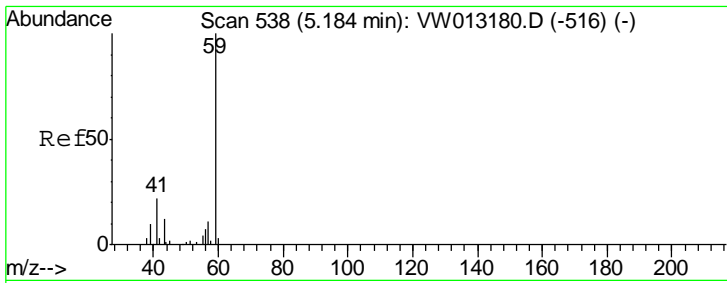


#10
 Methyl Iodide
 Concen: 18.218 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



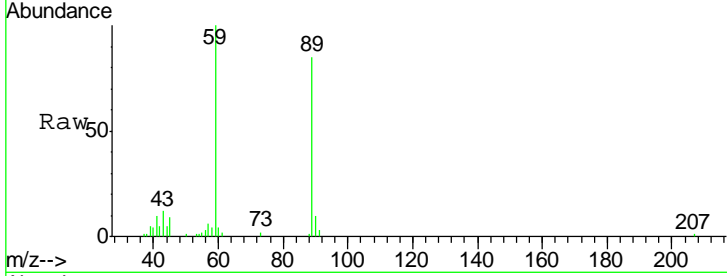
Tgt Ion	Resp	Lower	Upper
142	76755		
142	100		
127	38.4	30.9	46.3
141	14.6	11.7	17.5





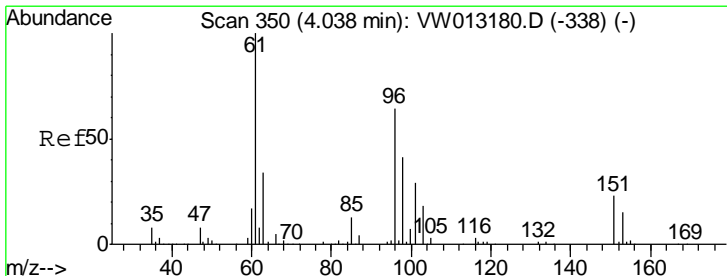
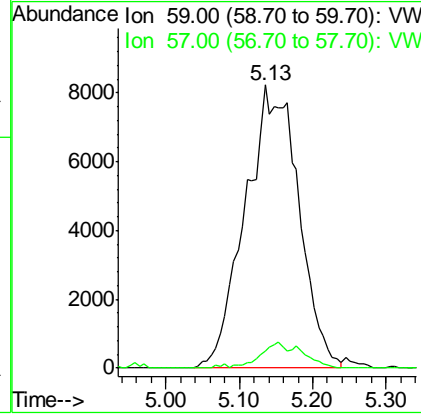
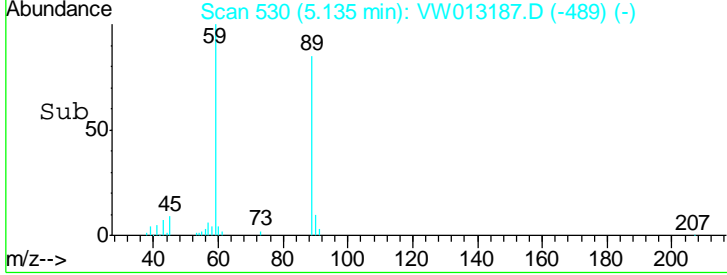
#11
 Tert butyl alcohol
 Concen: 231.837 ug/l m
 RT: 5.13 min Scan# 530
 Delta R.T. -0.05 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

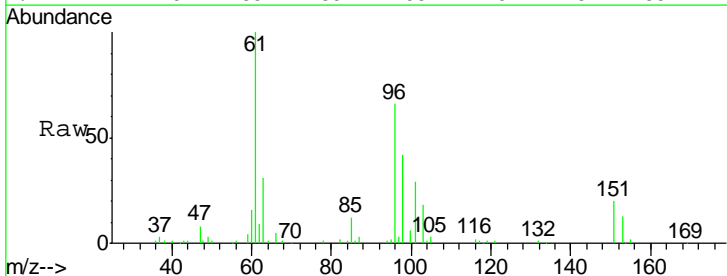


Tgt Ion: 59 Resp: 41374
 Ion Ratio Lower Upper
 59 100
 57 4.3 8.2 12.2#

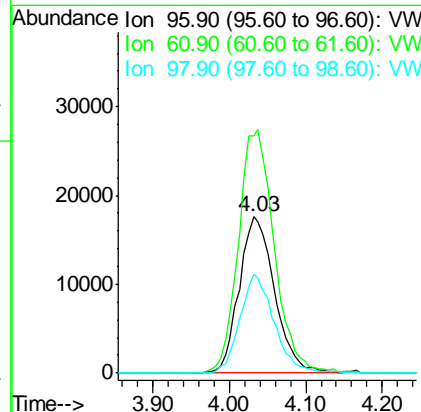
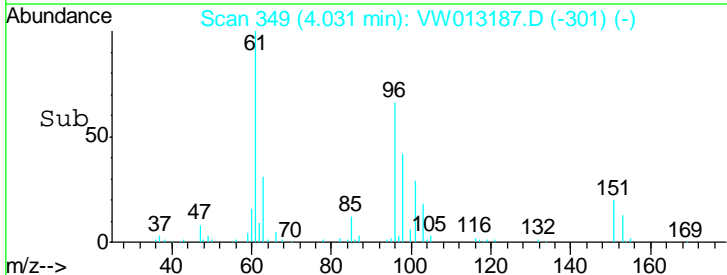
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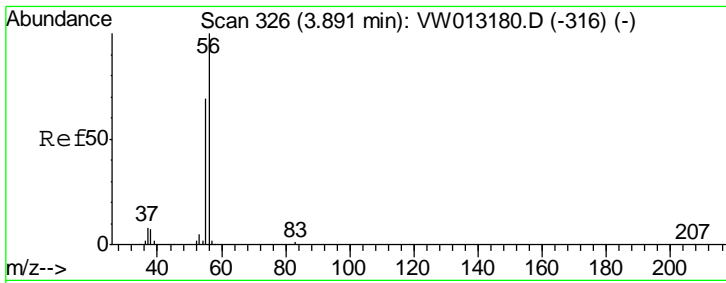


#12
 1,1-Dichloroethene
 Concen: 20.092 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



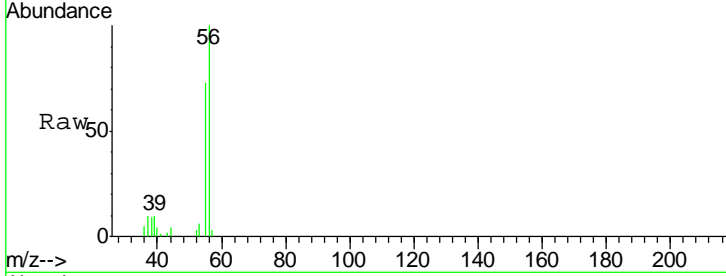
Tgt Ion: 96 Resp: 56537
 Ion Ratio Lower Upper
 96 100
 61 151.8 125.1 187.7
 98 63.1 50.8 76.2





#13
 Acrolein
 Concen: 129.284 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

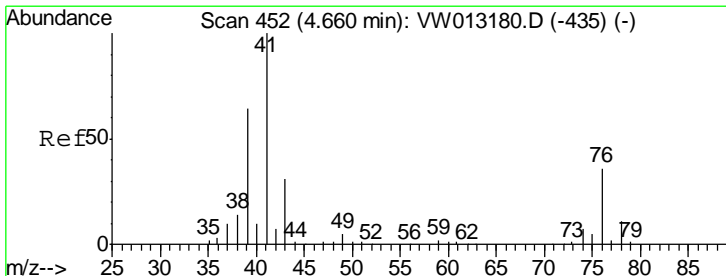
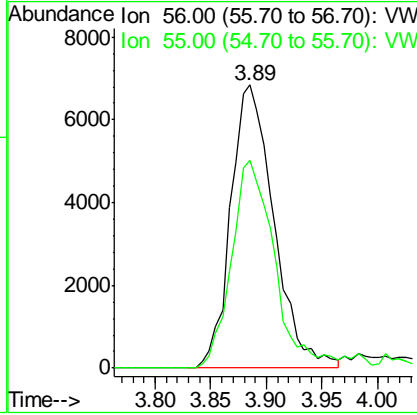
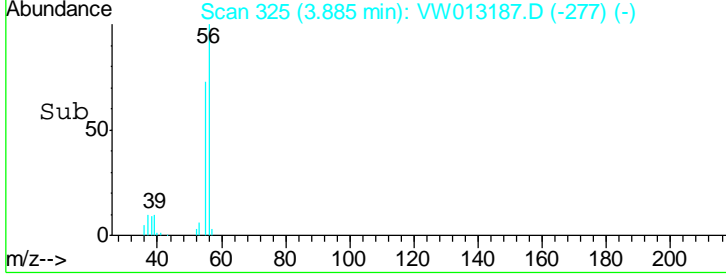
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01



Tgt Ion: 56 Resp: 18392

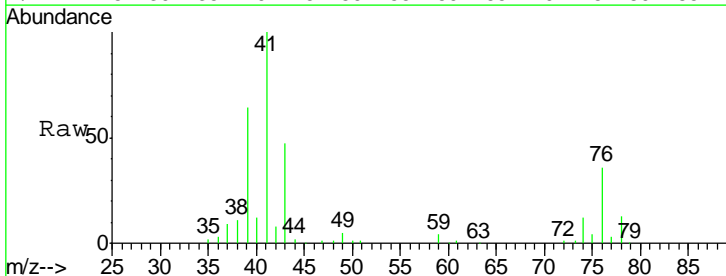
Ion	Ratio	Lower	Upper
56	100		
55	72.8	55.4	83.0

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#14
 Allyl chloride
 Concen: 18.823 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

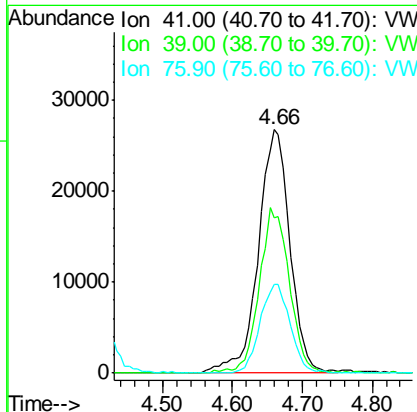
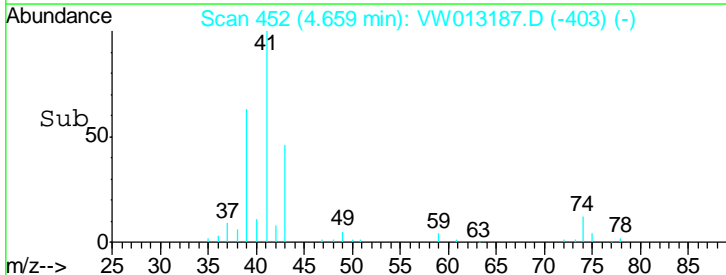
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

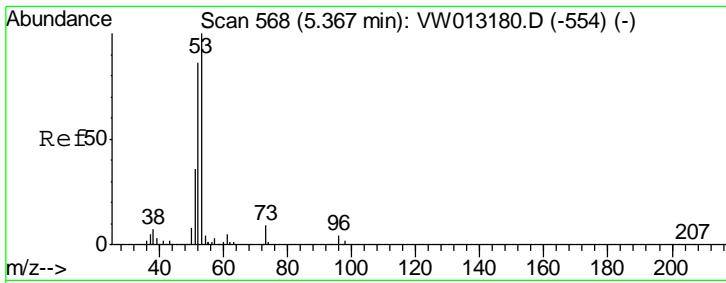


Tgt Ion: 41 Resp: 84298

Ion	Ratio	Lower	Upper
41	100		
39	64.4	51.0	76.4
76	34.6	28.4	42.6

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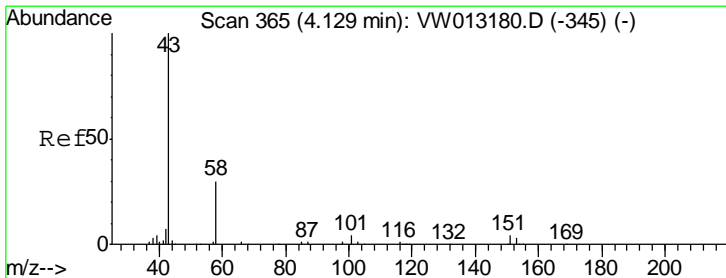
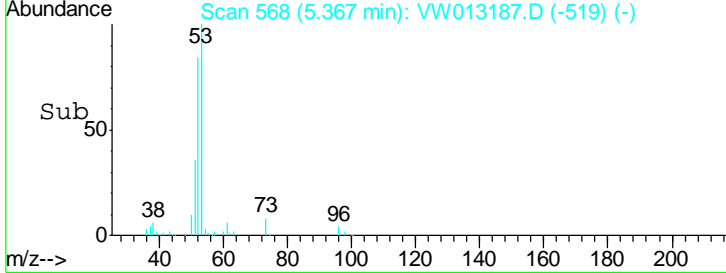
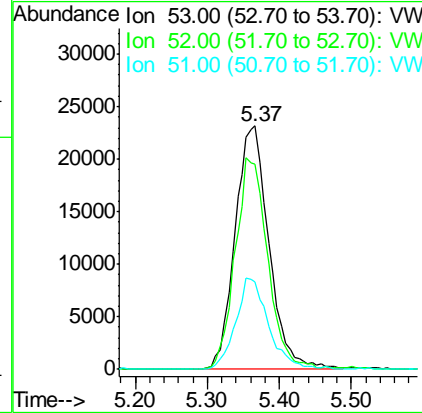
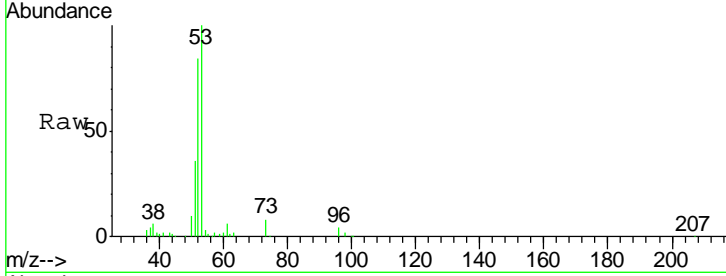


#15
 Acrylonitrile
 Concen: 123.025 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.8	65.3	97.9
51	36.1	29.0	43.4

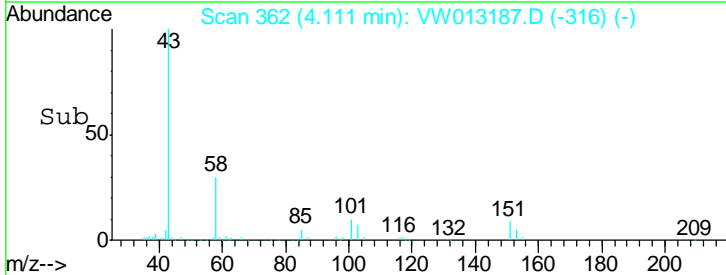
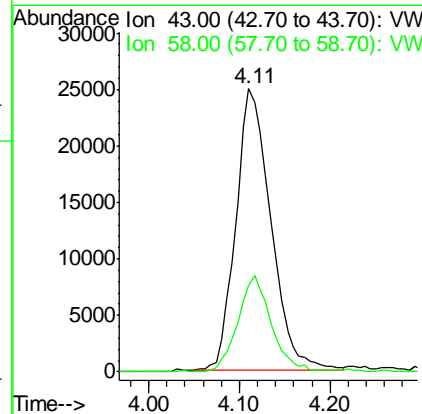
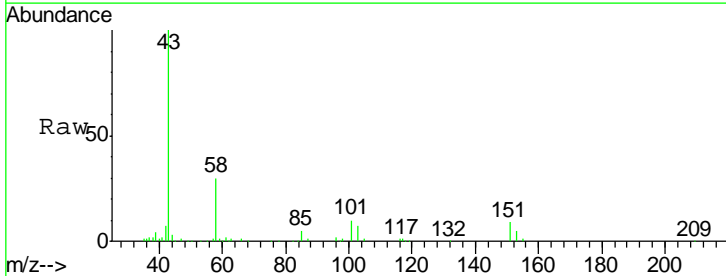
Instrument : MSVOA_W
 Client Sampled : VW0920SBS01

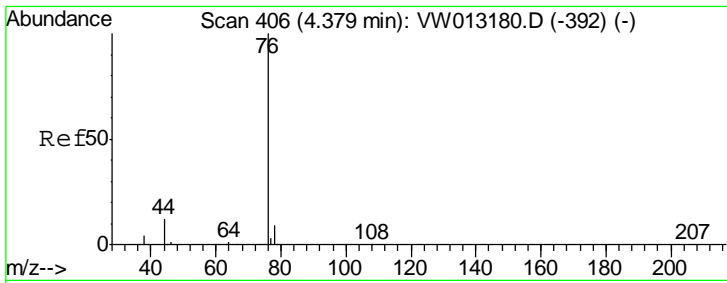
Manual Integrations
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#16
 Acetone
 Concen: 120.787 ug/l
 RT: 4.11 min Scan# 362
 Delta R.T. -0.02 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.5	24.1	36.1



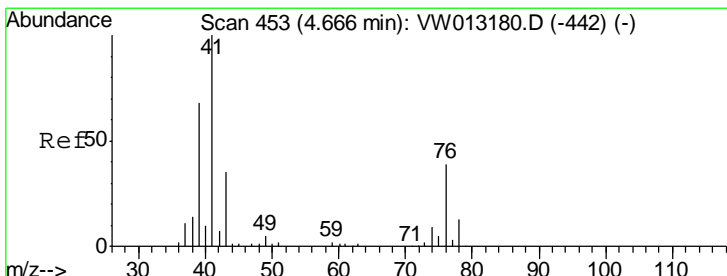
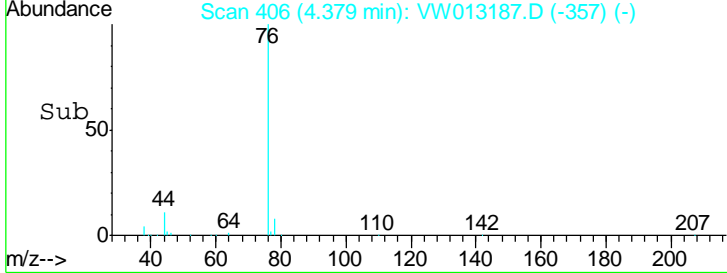
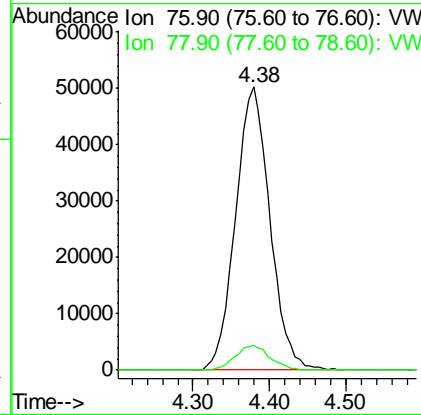
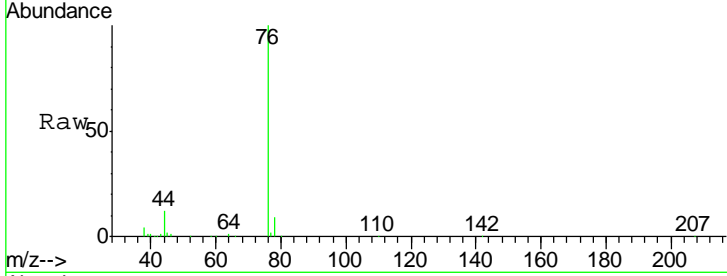


#17
 Carbon Disulfide
 Concen: 19.233 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBS01

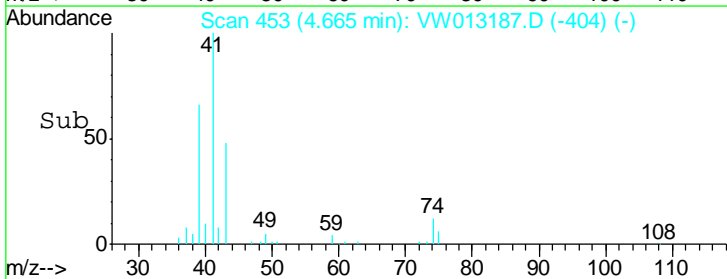
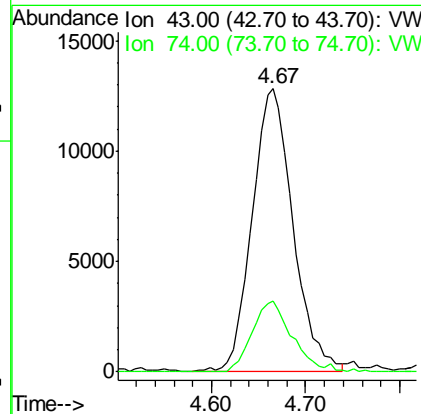
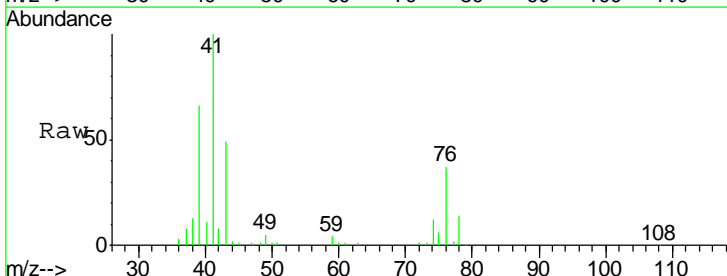
Tgt Ion	Resp	Lower	Upper
76	156432		
76	100		
78	8.7	7.0	10.4

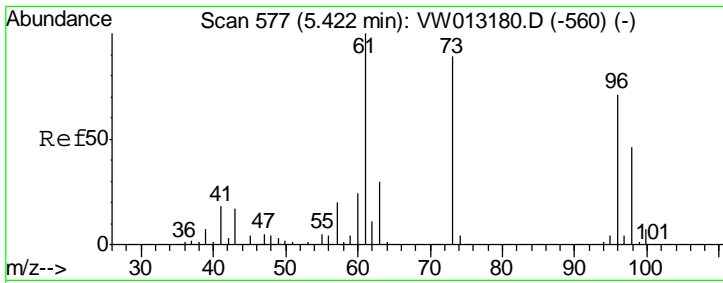
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#18
 Methyl Acetate
 Concen: 24.947 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
43	39081		
43	100		
74	24.4	19.3	28.9



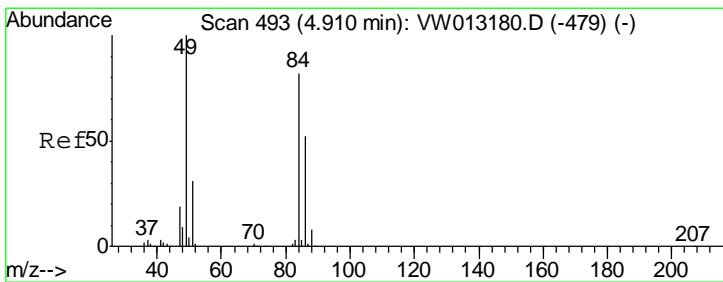
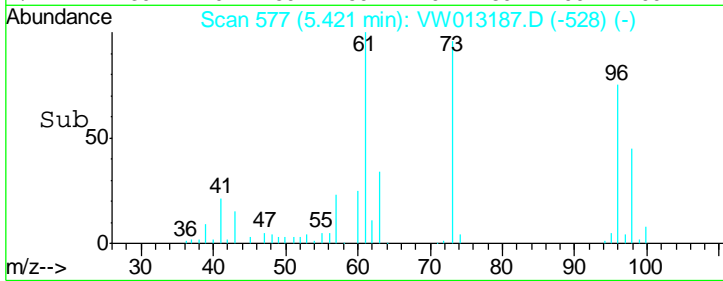
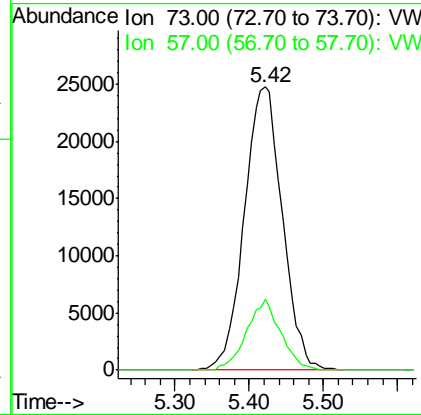
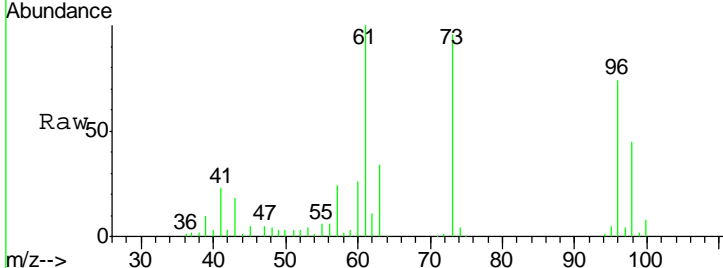


#19
 Methyl tert-butyl Ether
 Concen: 20.531 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
73	100		
57	25.0	17.6	26.4

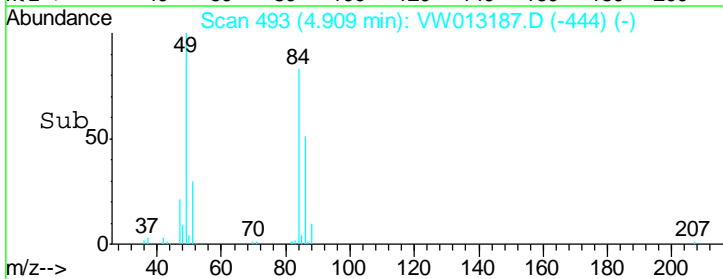
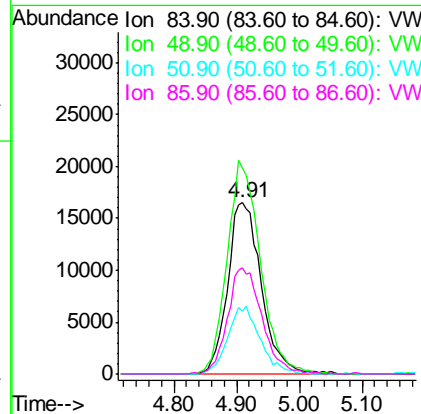
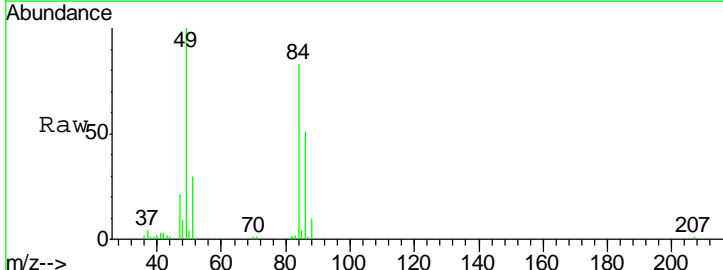
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

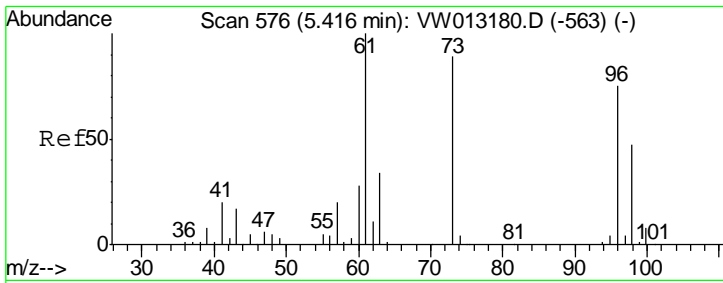
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#20
 Methylene Chloride
 Concen: 19.776 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

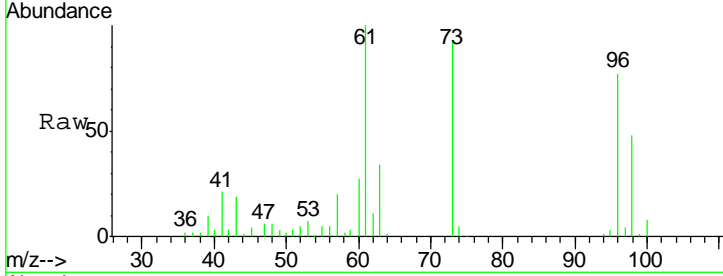
Tgt Ion	Resp	Lower	Upper
84	100		
49	120.2	97.6	146.4
51	36.2	30.2	45.2
86	61.9	50.6	76.0





#21
 trans-1,2-Dichloroethene
 Concen: 19.436 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

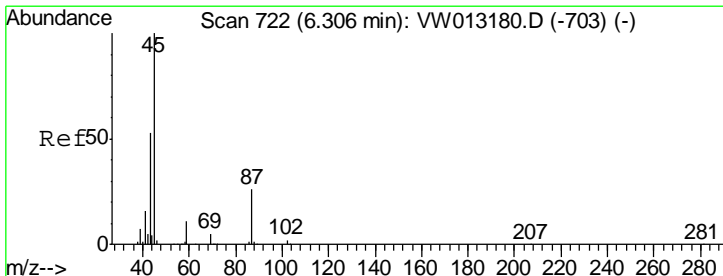
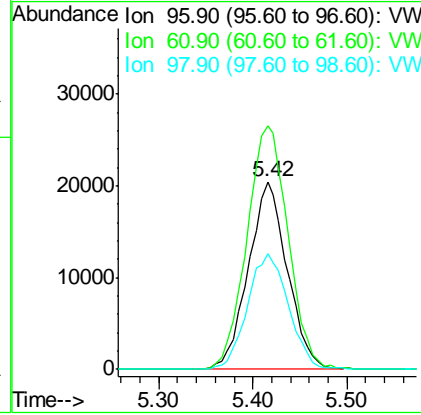
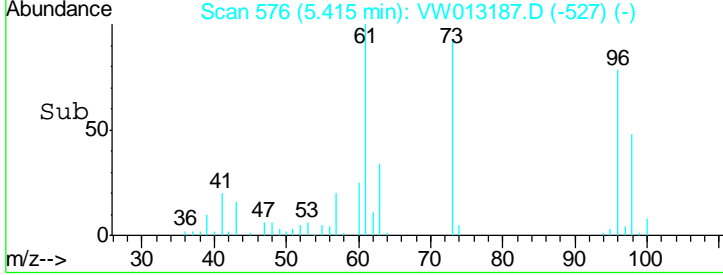
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01



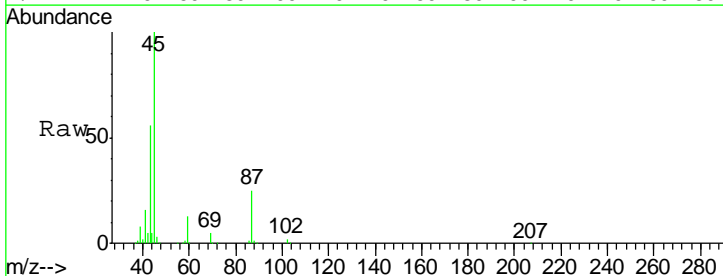
Tgt Ion: 96 Resp: 59113

Ion	Ratio	Lower	Upper
96	100		
61	129.9	106.6	159.8
98	62.0	49.8	74.8

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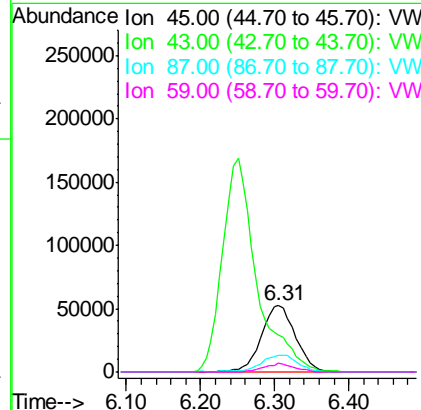
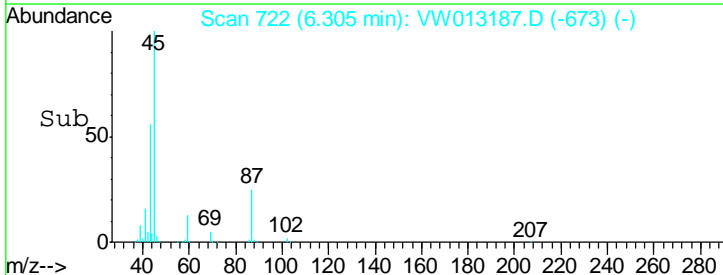


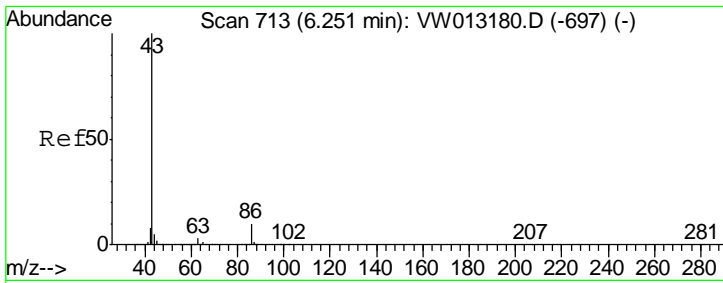
#22
 Diisopropyl ether
 Concen: 19.772 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



Tgt Ion: 45 Resp: 168379

Ion	Ratio	Lower	Upper
45	100		
43	55.3	42.4	63.6
87	25.2	20.4	30.6
59	12.8	8.8	13.2



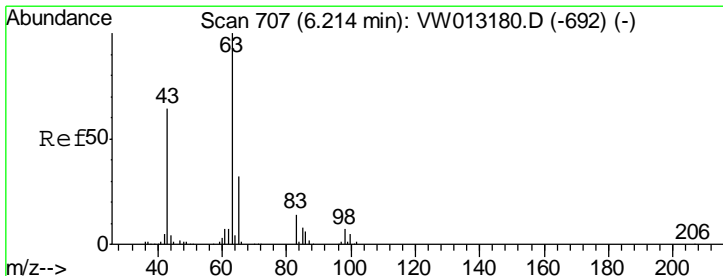
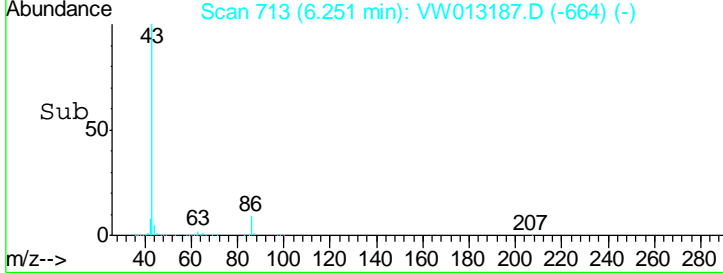
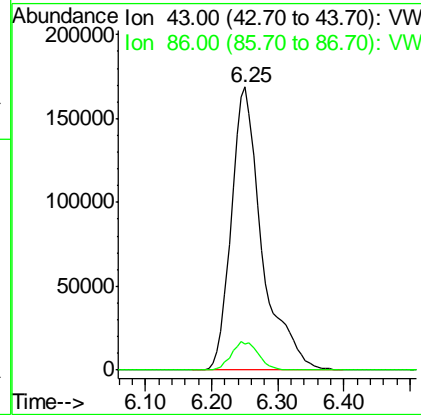
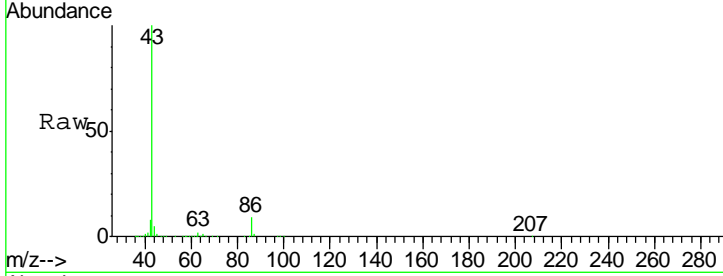


#23
 Vinyl Acetate
 Concen: 107.545 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
Client Sampled :
 VW0920SBS01

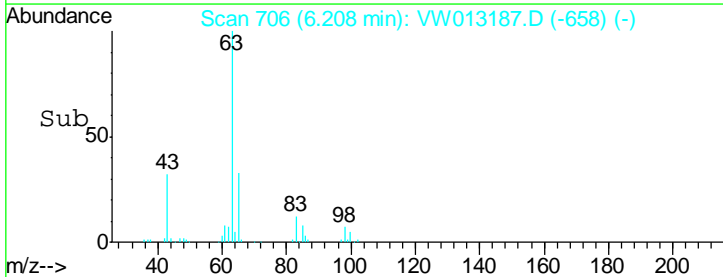
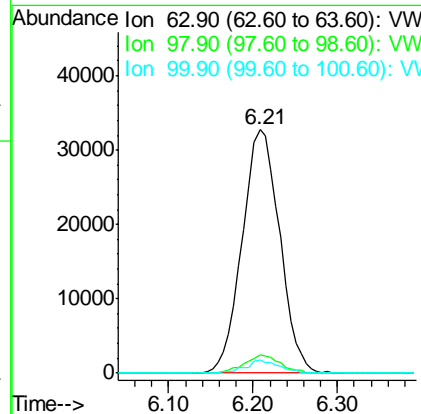
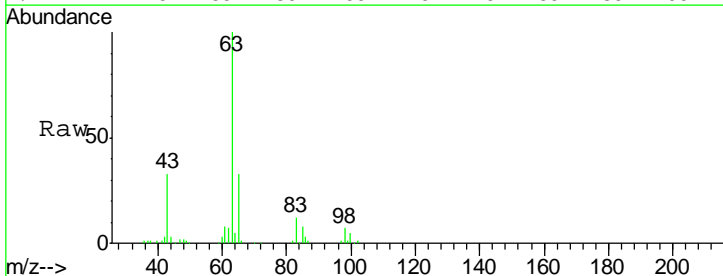
Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.3	12.5

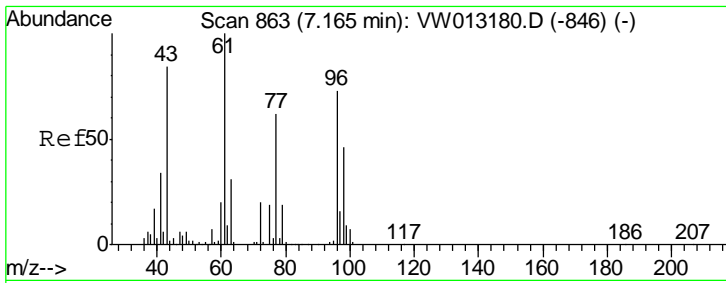
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#24
 1,1-Dichloroethane
 Concen: 19.233 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	5.2	2.4	7.1



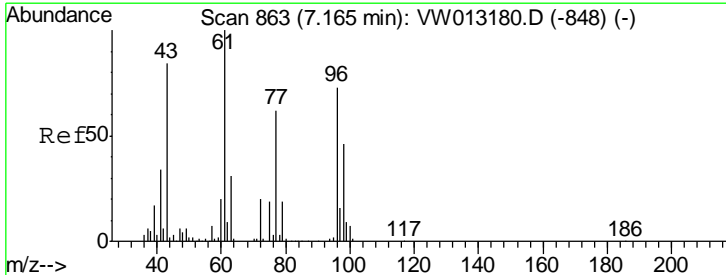
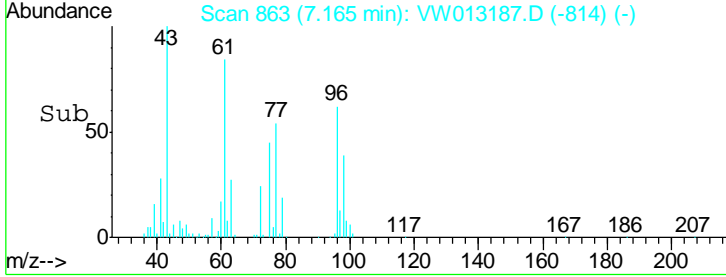
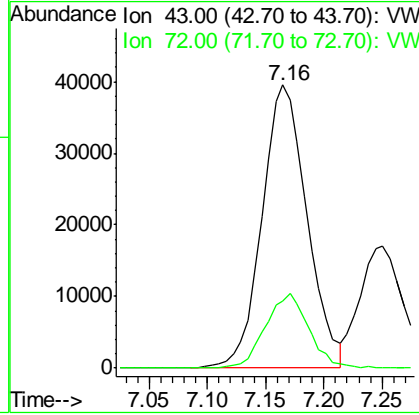
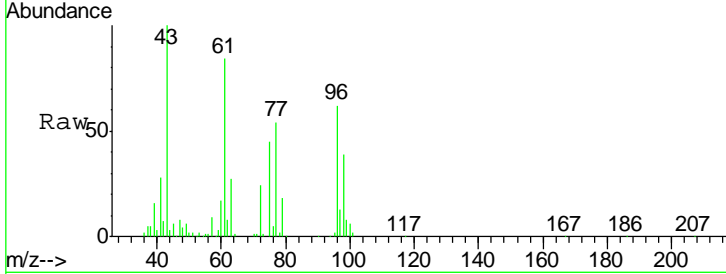


#25
 2-Butanone
 Concen: 126.460 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

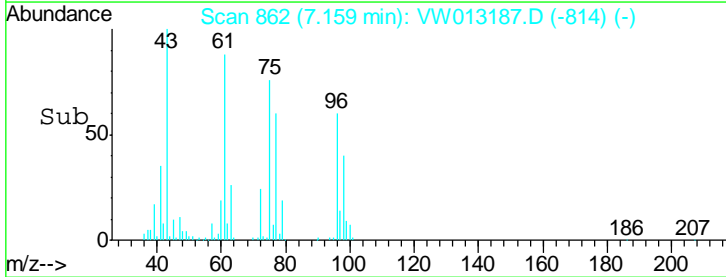
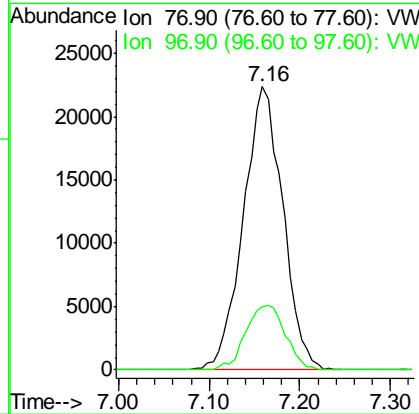
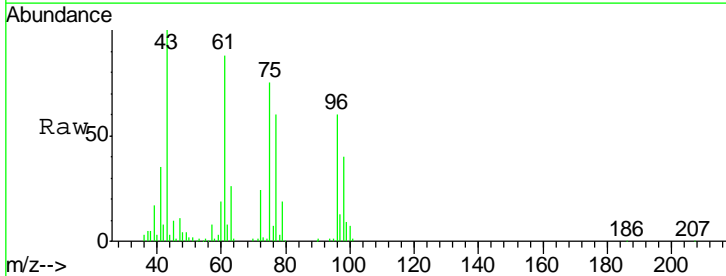
Tgt Ion	Resp	Lower	Upper
43	105797		
72	23.7	19.4	29.0

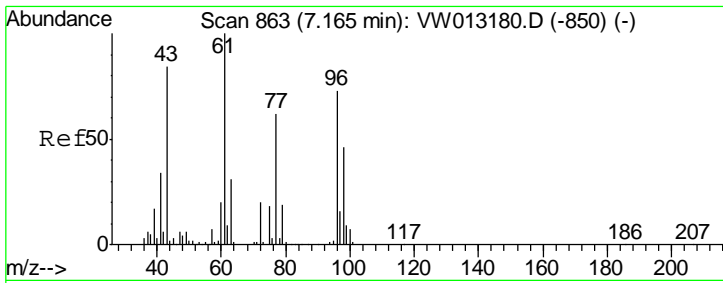
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#26
 2,2-Dichloropropane
 Concen: 19.969 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

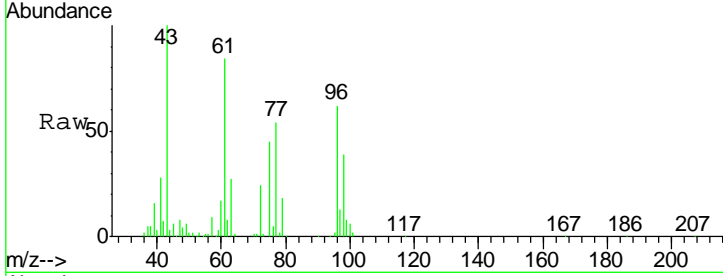
Tgt Ion	Resp	Lower	Upper
77	67554		
97	22.9	11.8	35.4





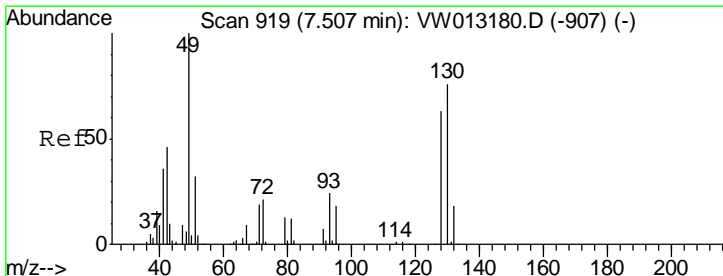
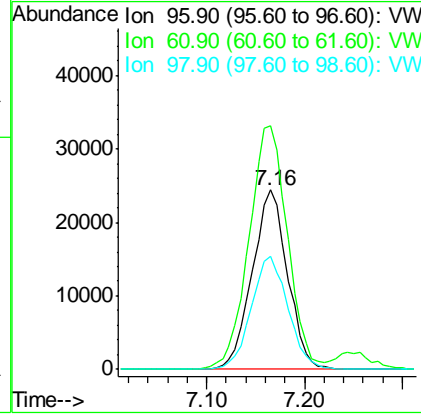
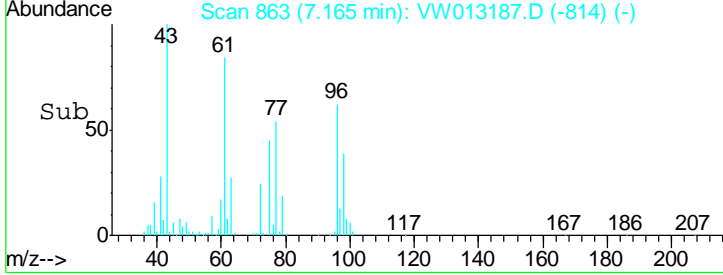
#27
 cis-1,2-Dichloroethene
 Concen: 19.096 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01



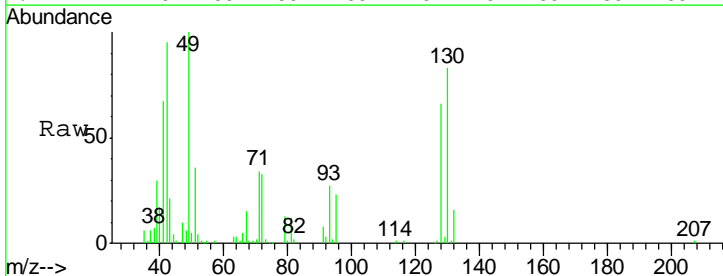
Tgt Ion	Resp	Lower	Upper
96	61291		
96	100		
61	147.9	0.0	282.4
98	65.3	0.0	128.2

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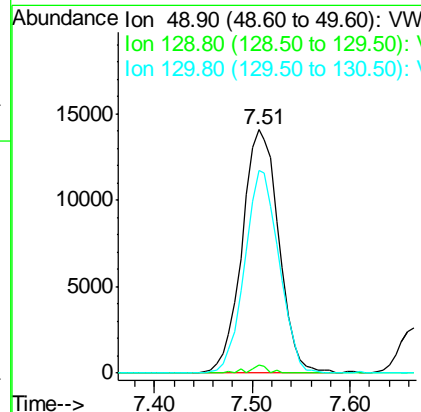
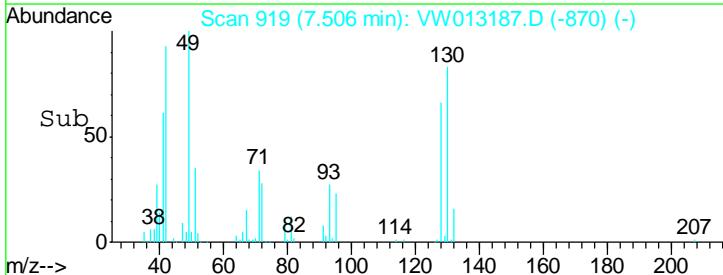


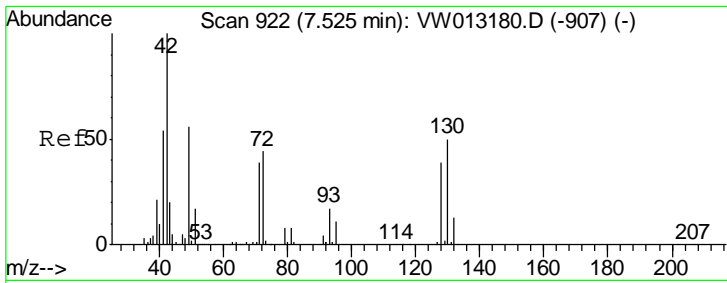
#28
 Bromochloromethane
 Concen: 18.540 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

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- 18



Tgt Ion	Resp	Lower	Upper
49	36567		
49	100		
129	1.6	0.0	1.0#
130	78.0	63.4	95.2



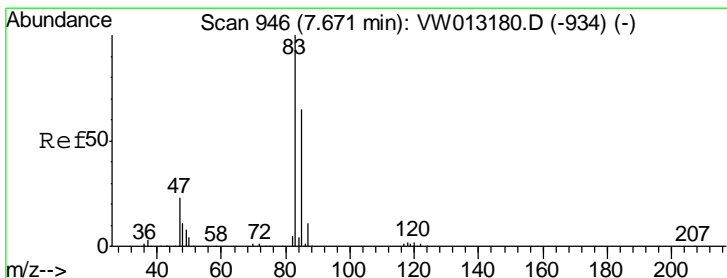
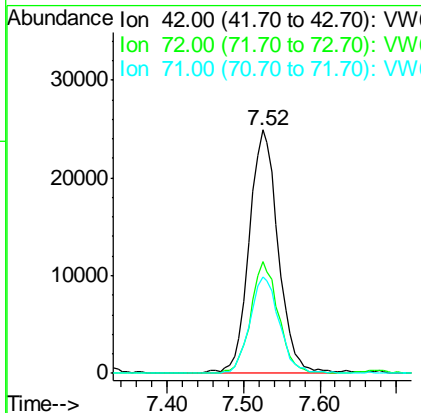
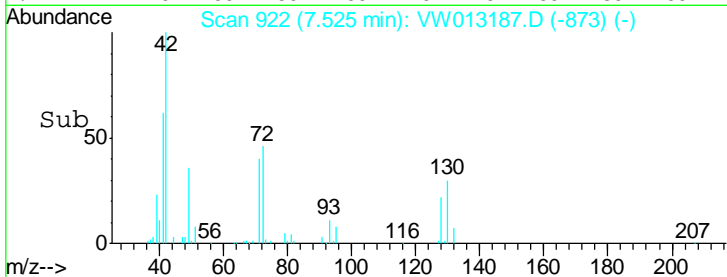
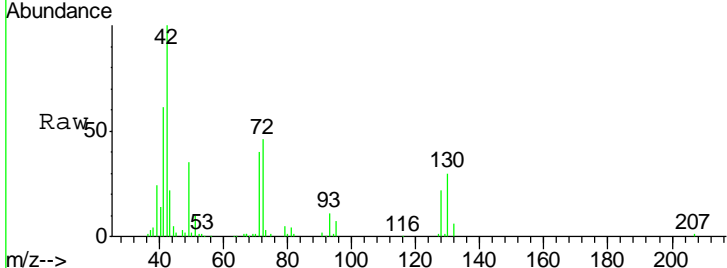


#29
 Tetrahydrofuran
 Concen: 128.959 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
42	66164		
72	43.7	33.9	50.9
71	40.0	31.9	47.9

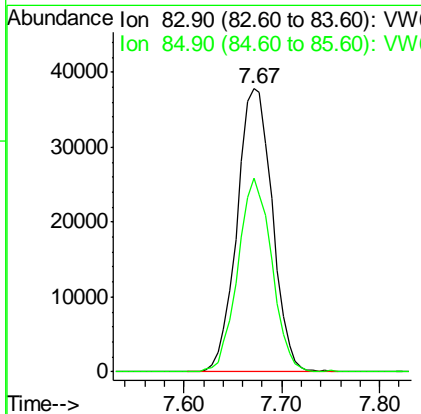
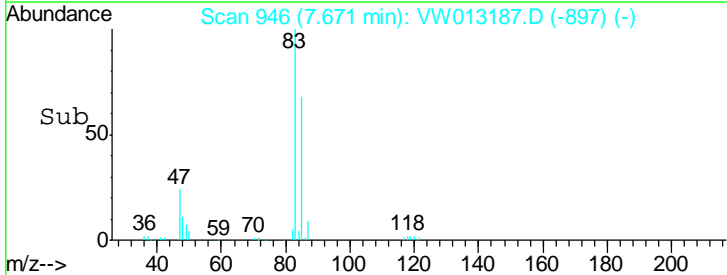
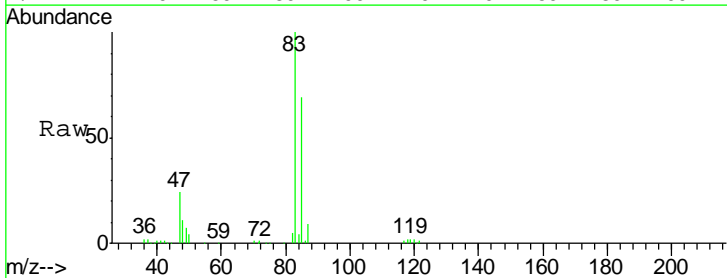
Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

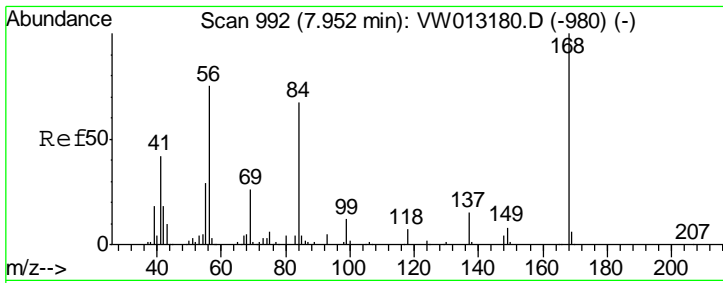
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#30
 Chloroform
 Concen: 18.766 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
83	94413		
85	68.6	52.3	78.5



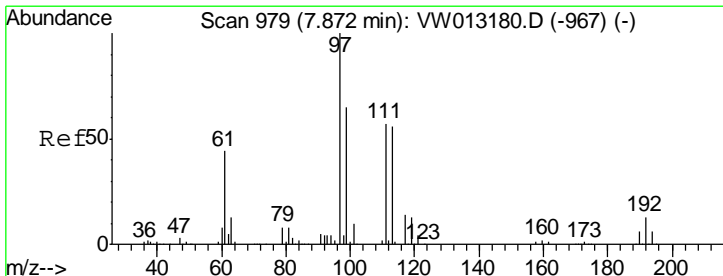
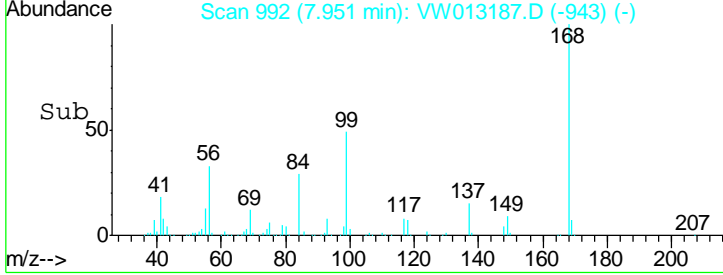
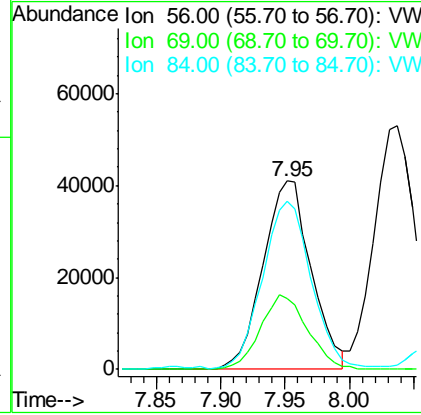
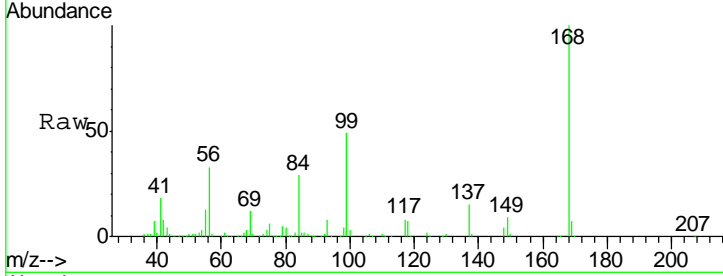


#31
 Cyclohexane
 Concen: 19.873 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

Tgt Ion	Resp	Lower	Upper
56	106453		
56	100		
69	37.7	27.2	40.8
84	88.7	70.8	106.2

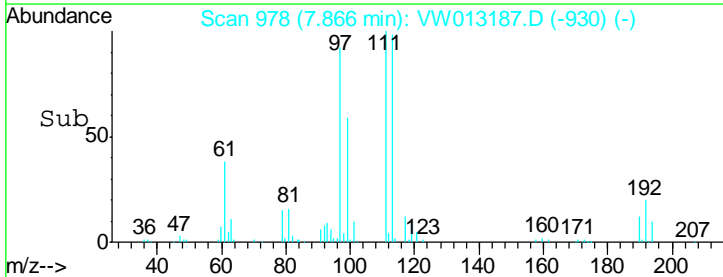
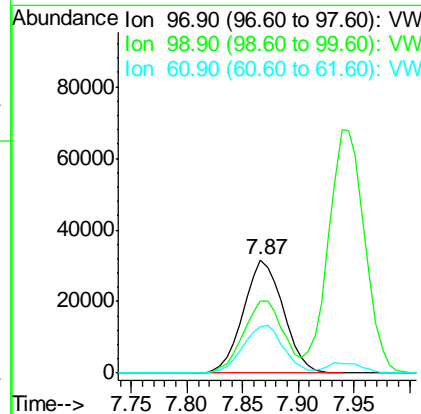
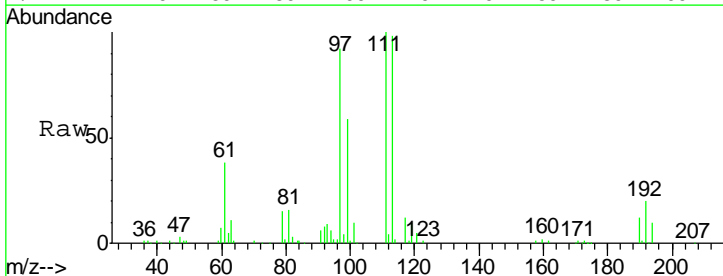
Manual Integrations
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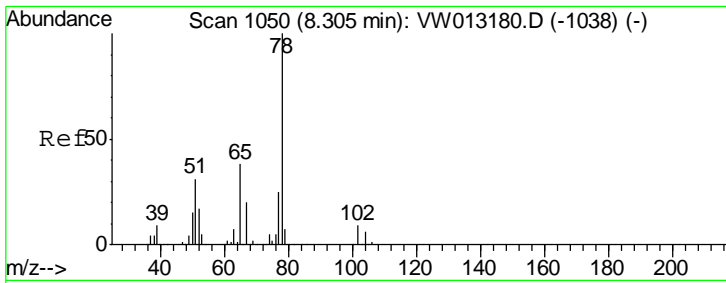


#32
 1,1,1-Trichloroethane
 Concen: 19.369 ug/l
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

Tgt Ion	Resp	Lower	Upper
97	78926		
97	100		
99	64.9	51.7	77.5
61	43.1	34.6	51.8



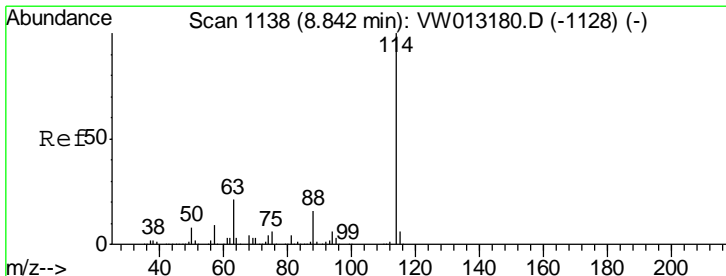
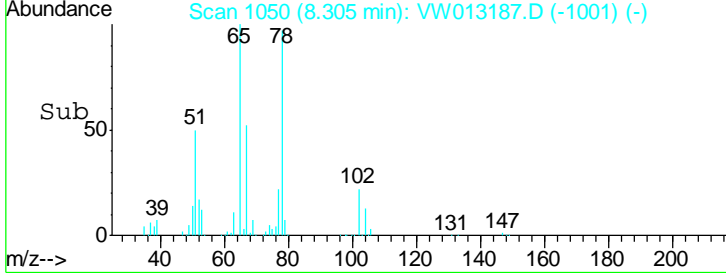
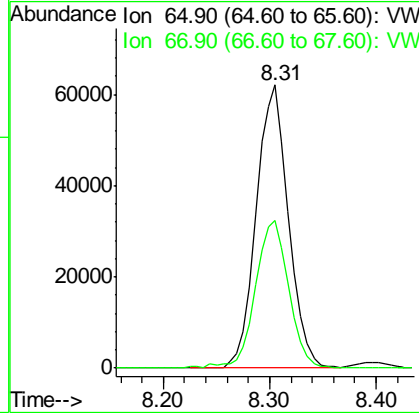
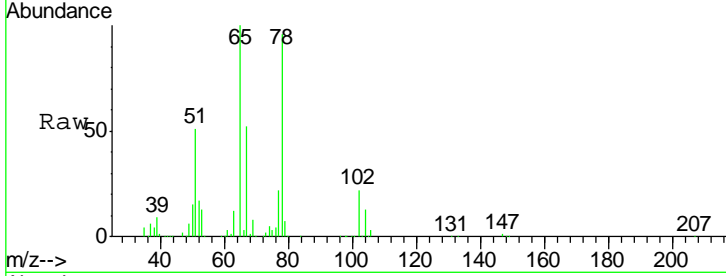


#33
 1,2-Dichloroethane-d4
 Concen: 53.155 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBS01

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.4	0.0	106.2

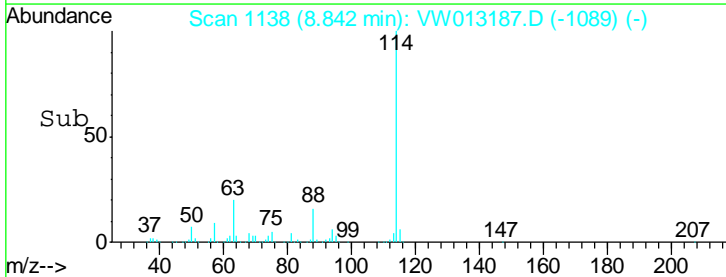
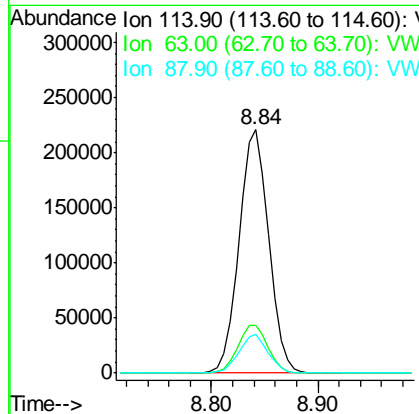
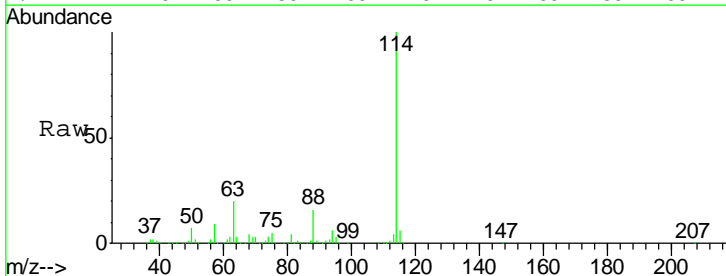
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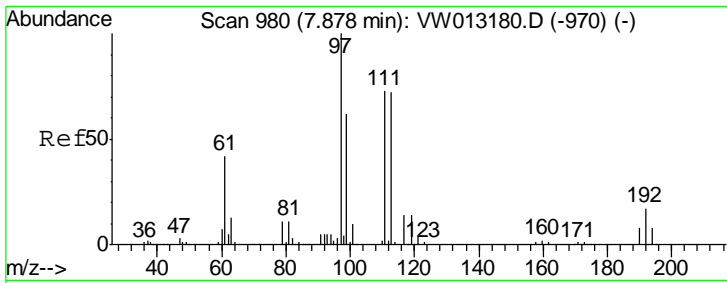


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBS01

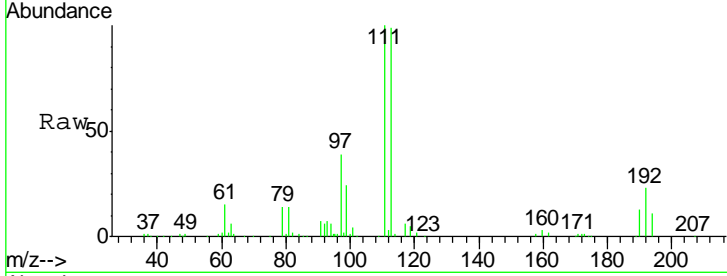
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.7	0.0	41.4
88	15.8	0.0	32.0





#35
 Dibromofluoromethane
 Concen: 52.148 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

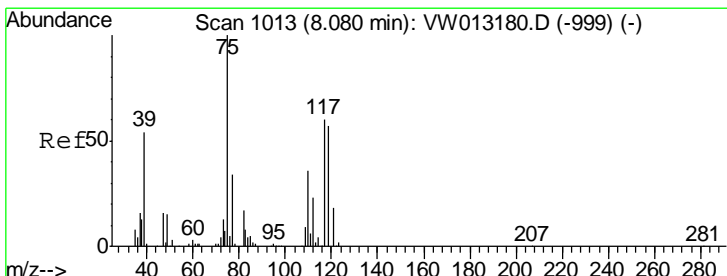
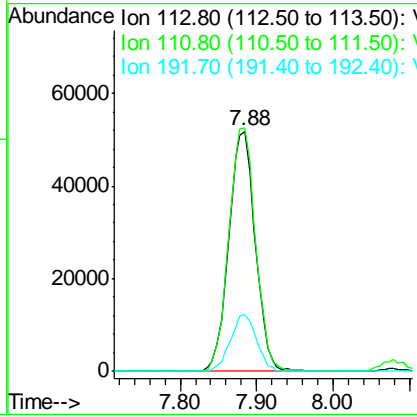
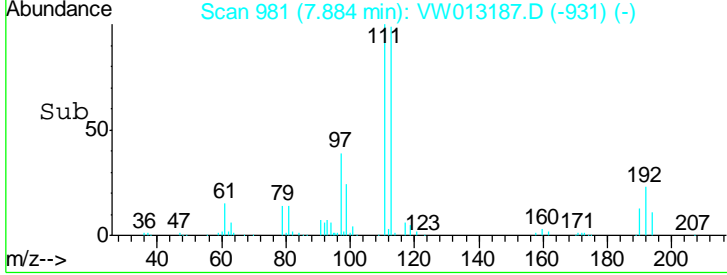
Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBS01



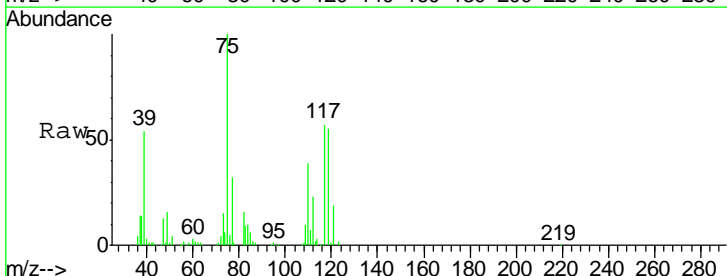
Tgt Ion: 113 Resp: 123860

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	23.3	19.1	28.7

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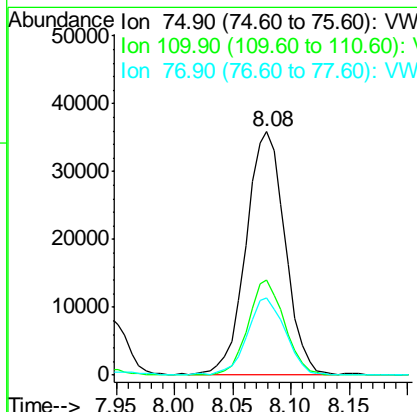
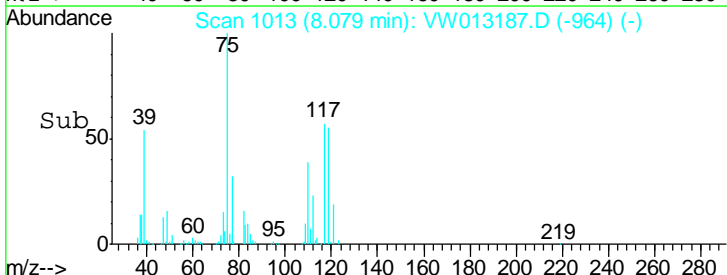


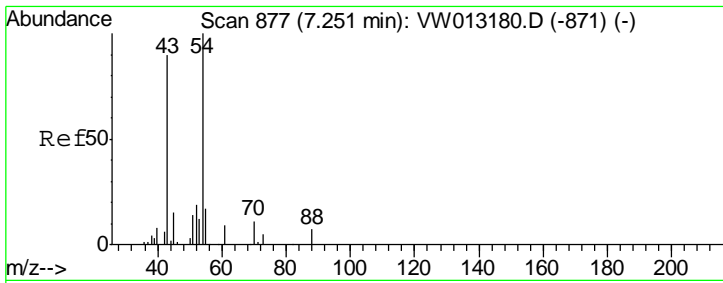
#36
 1,1-Dichloropropene
 Concen: 19.945 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



Tgt Ion: 75 Resp: 83423

Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.3
77	31.2	25.8	38.6



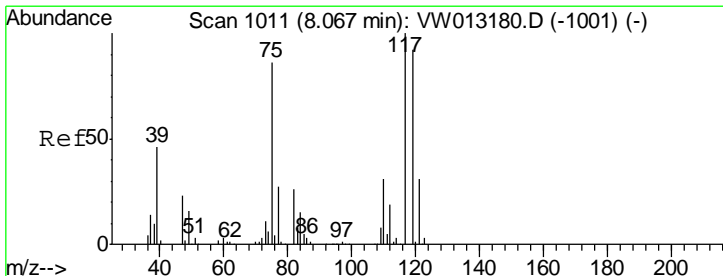
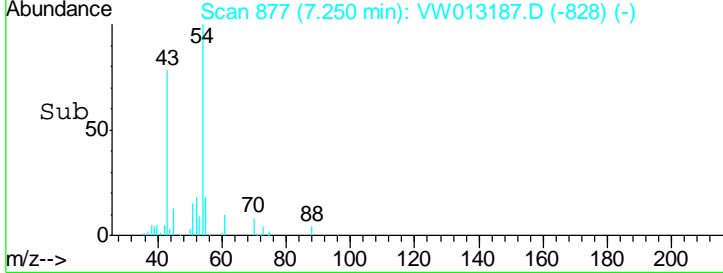
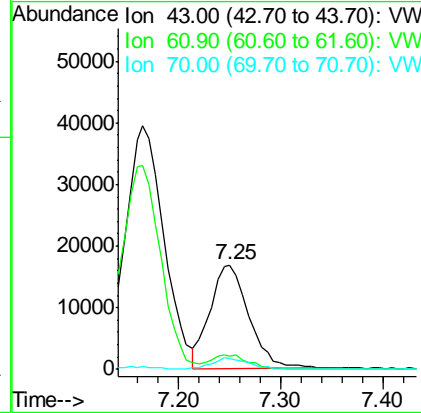
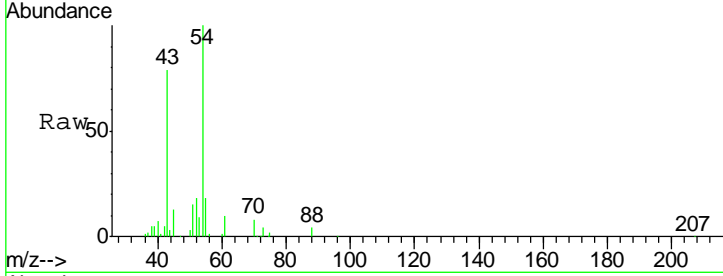


#37
 Ethyl Acetate
 Concen: 25.016 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	10.4	8.2	12.2

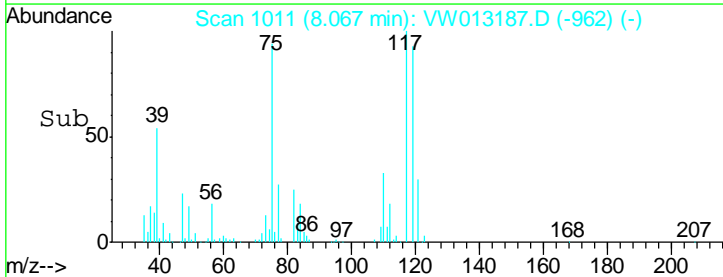
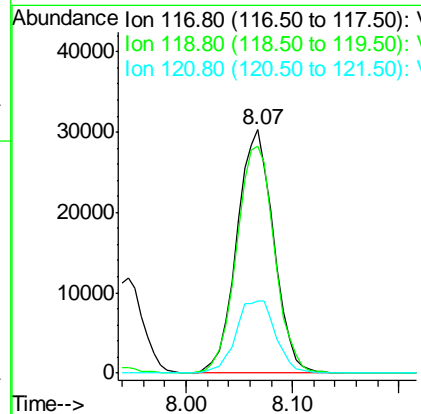
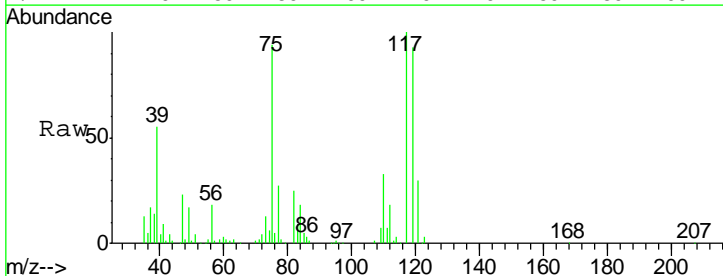
Instrument :
 MSVOA_W
Client Sampled :
 VW0920SBS01

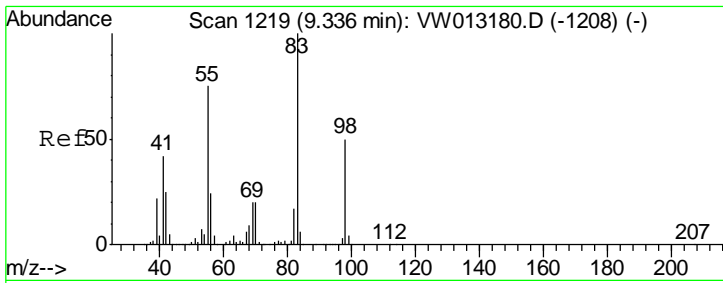
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#38
 Carbon Tetrachloride
 Concen: 19.596 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

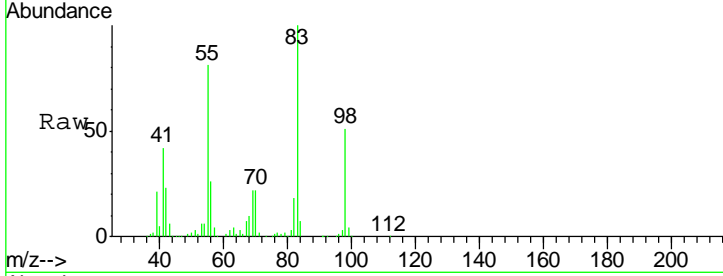
Tgt Ion	Resp	Lower	Upper
117	100		
119	93.2	73.5	110.3
121	29.8	25.0	37.6





#39
 Methylcyclohexane
 Concen: 19.876 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

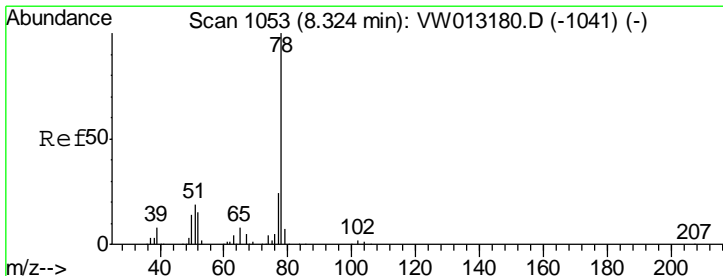
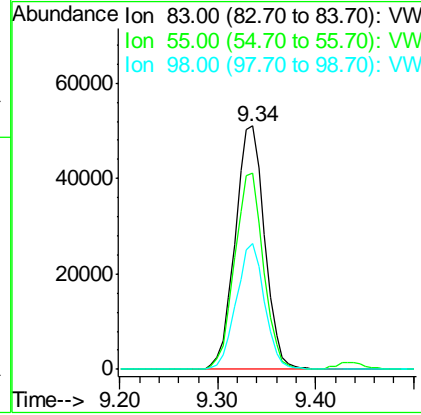
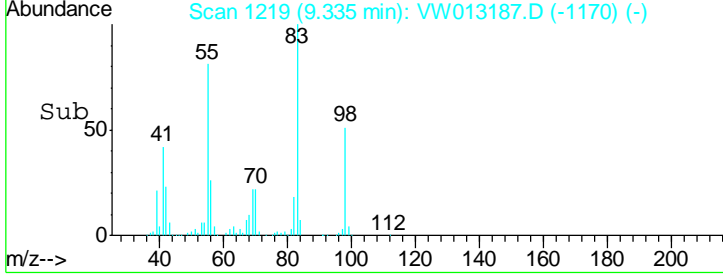
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01



Tgt Ion: 83 Resp: 106842

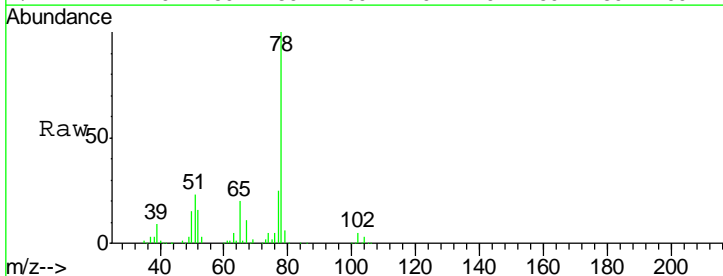
Ion	Ratio	Lower	Upper
83	100		
55	80.7	60.4	90.6
98	51.5	40.0	60.0

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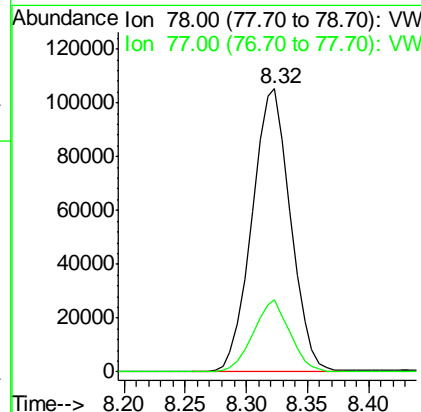
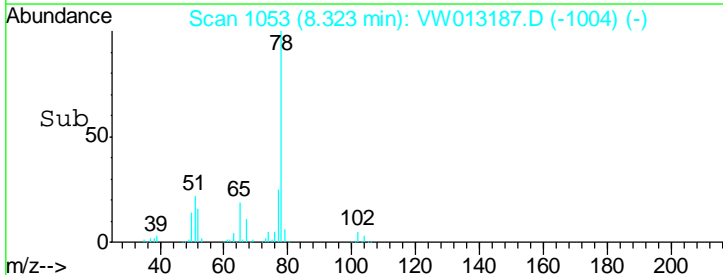
#40
 Benzene
 Concen: 19.806 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

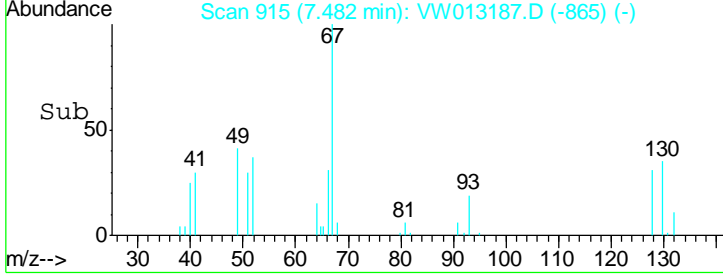
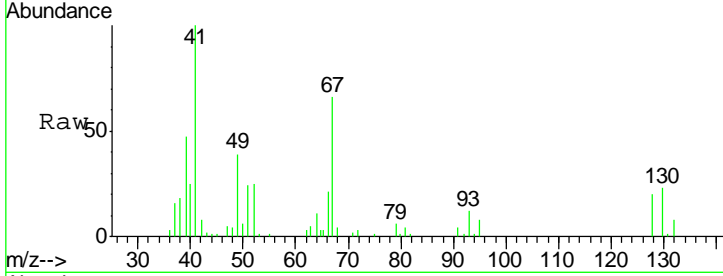
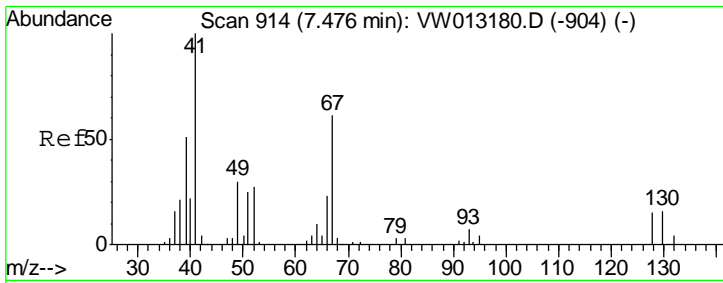
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01



Tgt Ion: 78 Resp: 231074

Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.1	28.7



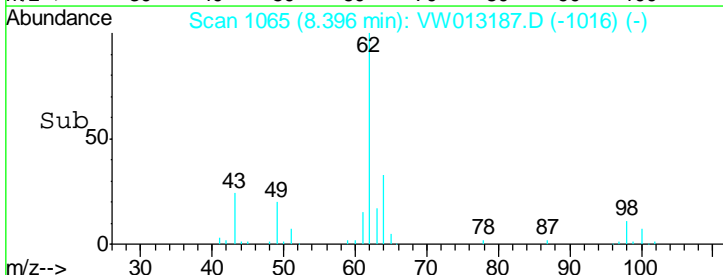
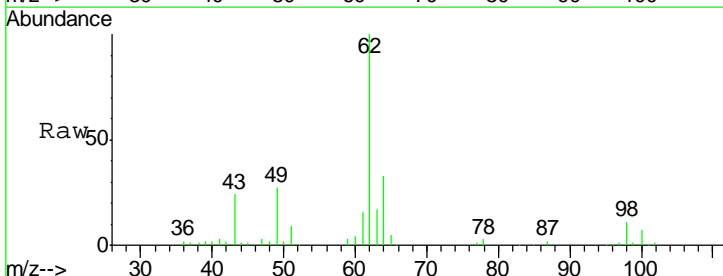
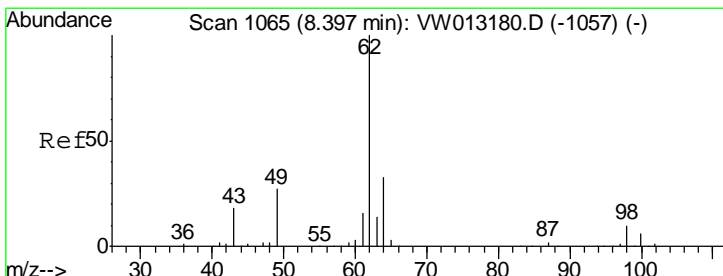
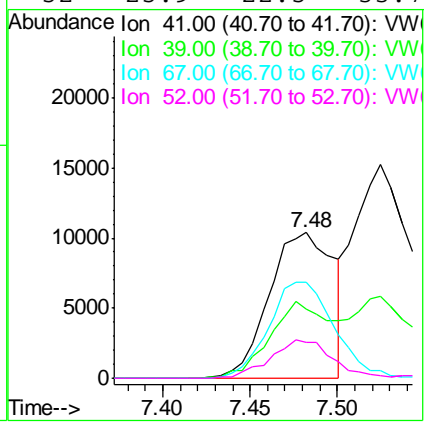


#41
 Methacrylonitrile
 Concen: 25.125 ug/l
 RT: 7.48 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
41	100		
39	43.9	45.9	68.9#
67	67.4	54.5	81.7
52	25.9	22.5	33.7

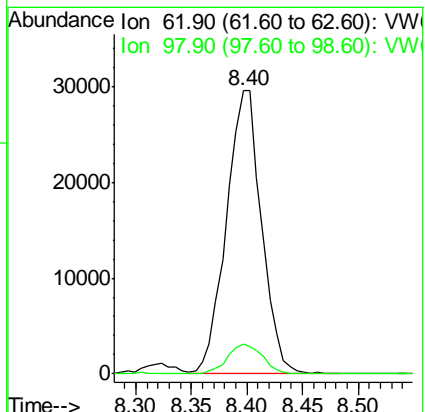
Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

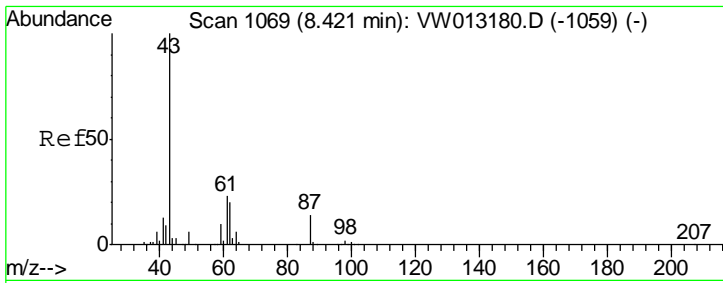
Manual Integrations
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#42
 1,2-Dichloroethane
 Concen: 20.643 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.5	0.0	20.6



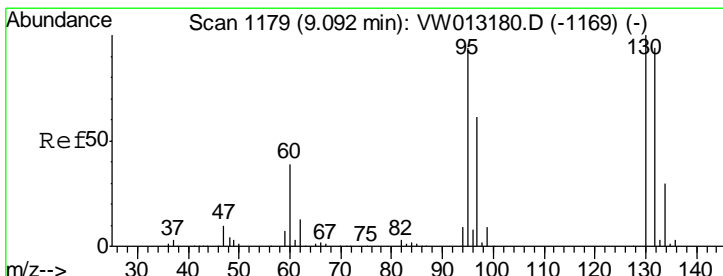
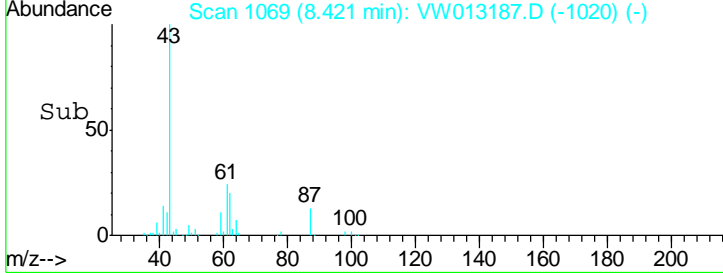
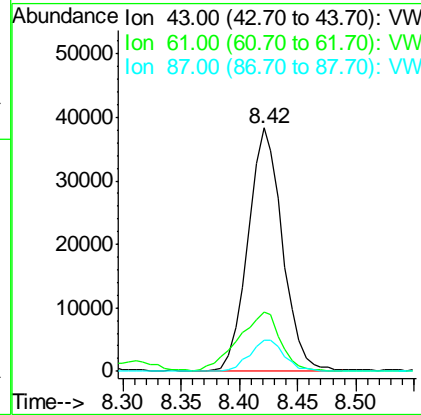
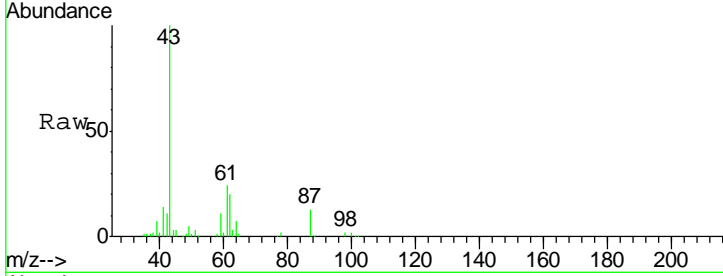


#43
 Isopropyl Acetate
 Concen: 23.113 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.1	25.5	38.3
87	13.0	11.0	16.4

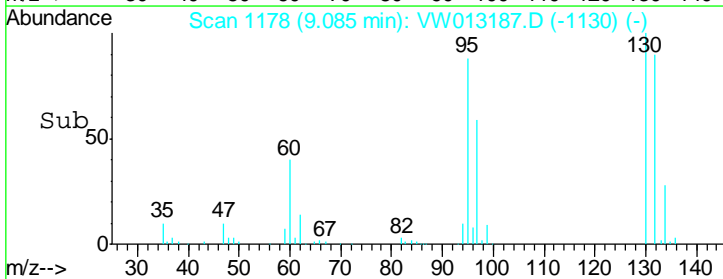
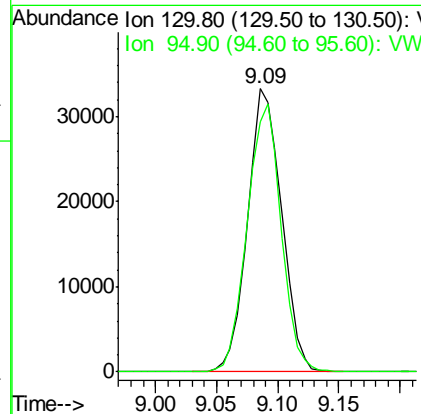
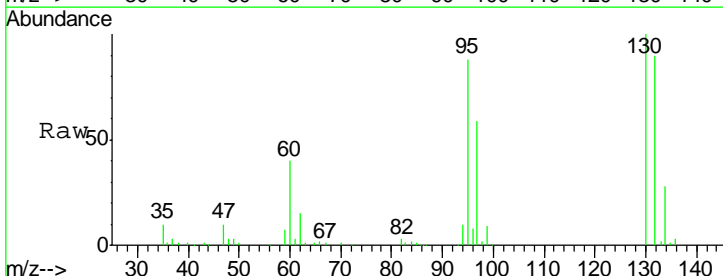
Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

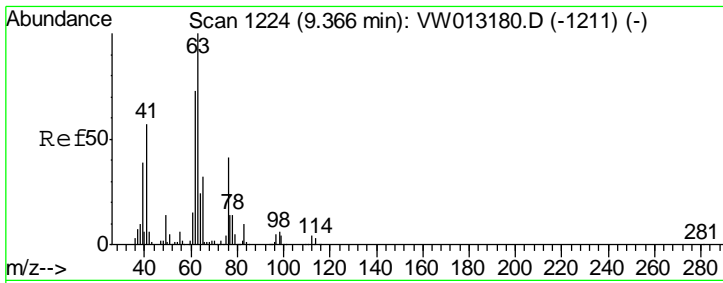
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#44
 Trichloroethene
 Concen: 19.686 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
130	100		
95	88.3	0.0	188.0



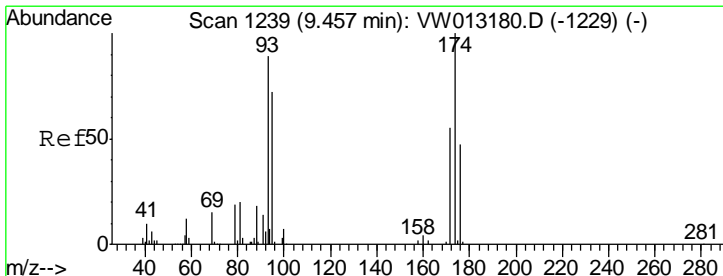
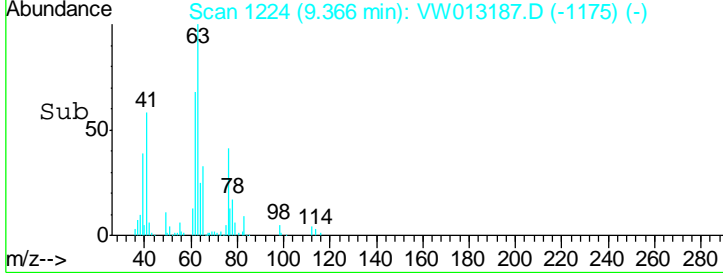
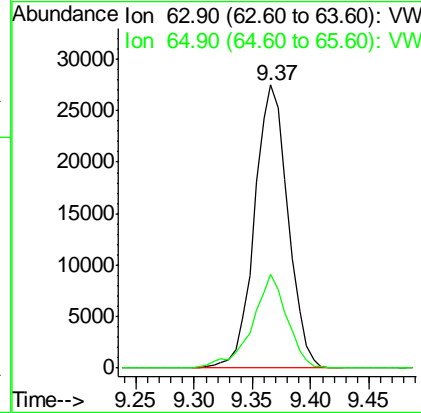
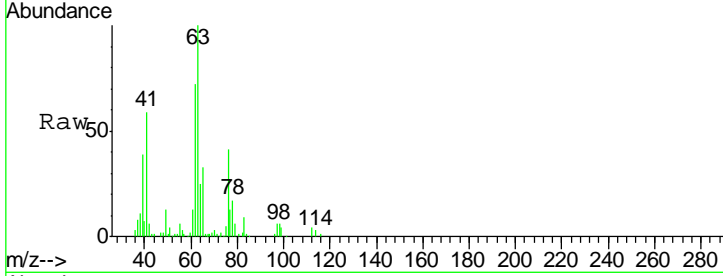


#45
 1,2-Dichloropropane
 Concen: 19.274 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

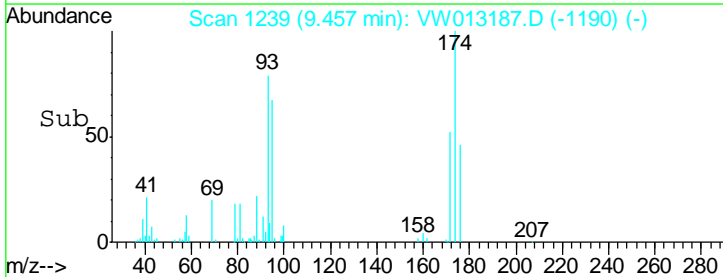
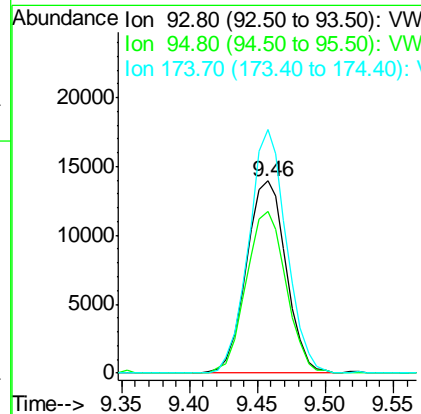
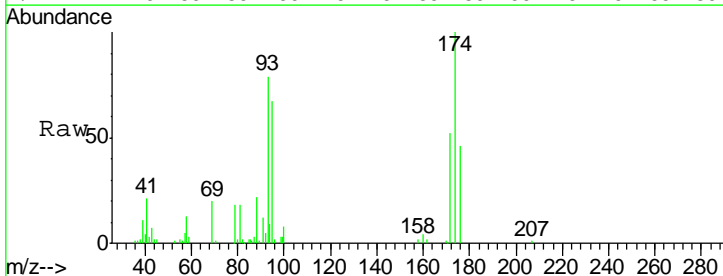
Tgt Ion	Resp	Lower	Upper
63	100		
65	33.3	25.3	37.9

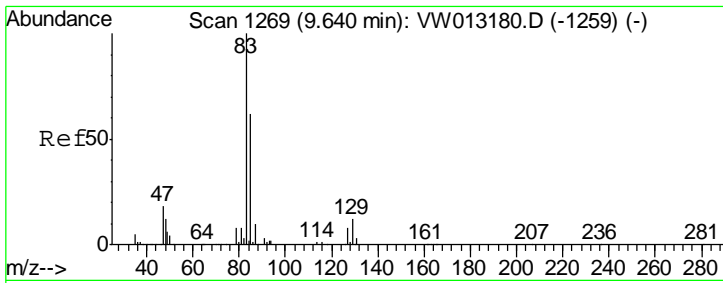
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#46
 Dibromomethane
 Concen: 20.665 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.4	66.4	99.6
174	120.3	93.0	139.6





#47

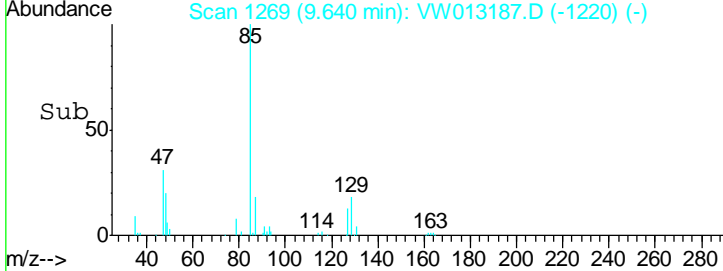
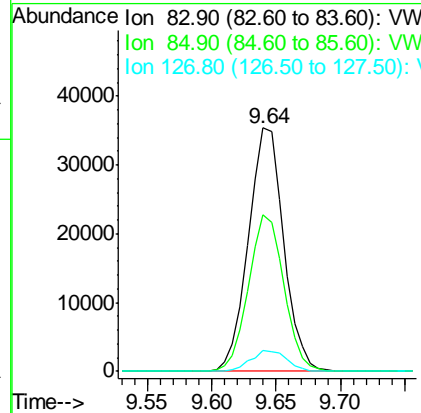
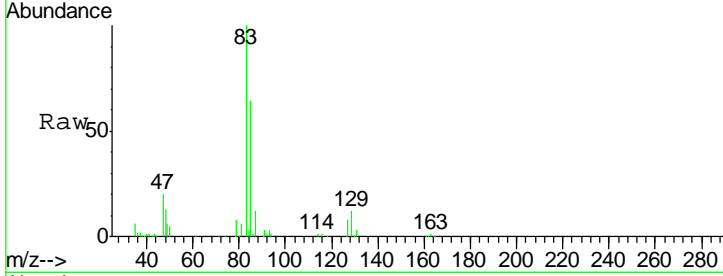
Bromodichloromethane
 Concen: 18.994 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

Tgt Ion	Resp	Lower	Upper
83	66837		
85	64.4	49.4	74.2
127	8.5	6.5	9.7

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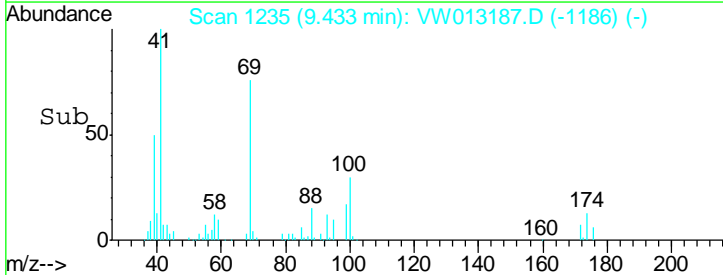
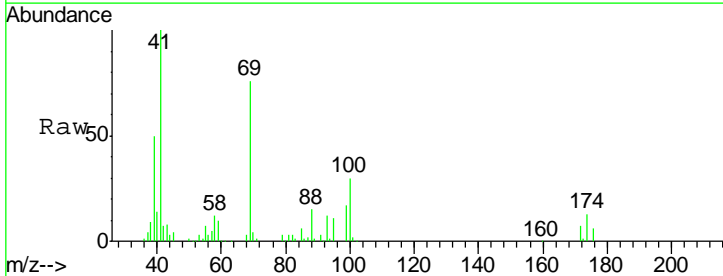
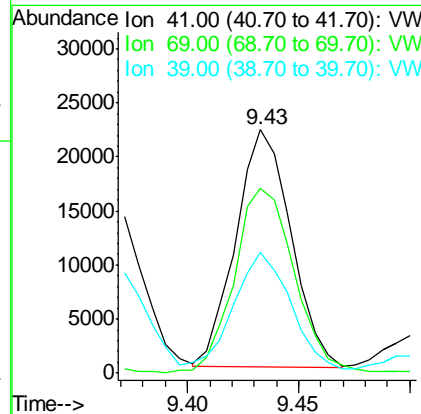
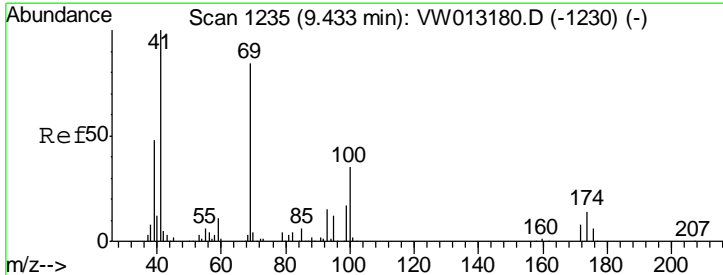
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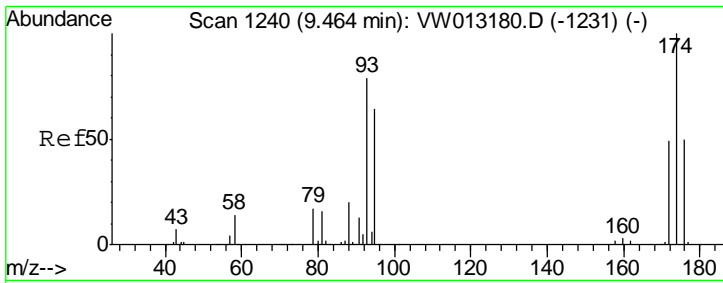


#48

Methyl methacrylate
 Concen: 23.701 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

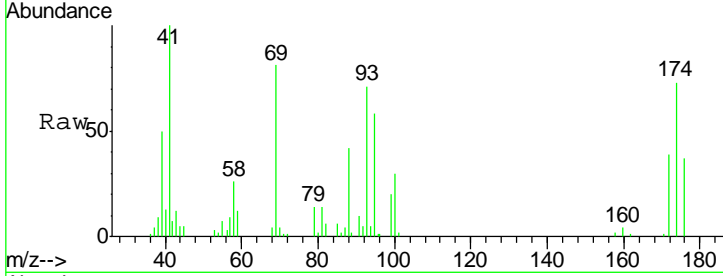
Tgt Ion	Resp	Lower	Upper
41	37971		
69	84.7	69.7	104.5
39	50.5	41.1	61.7





#49
 1,4-Dioxane
 Concen: 583.339 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.02 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

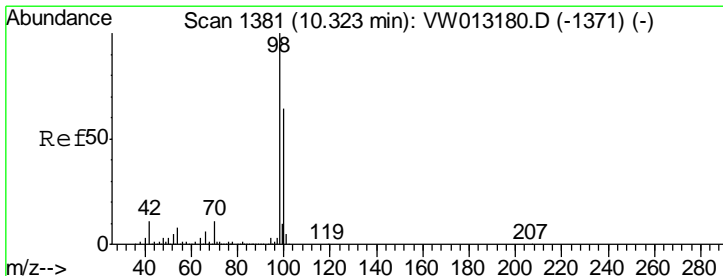
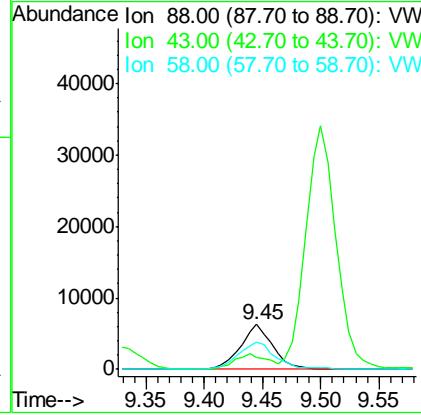
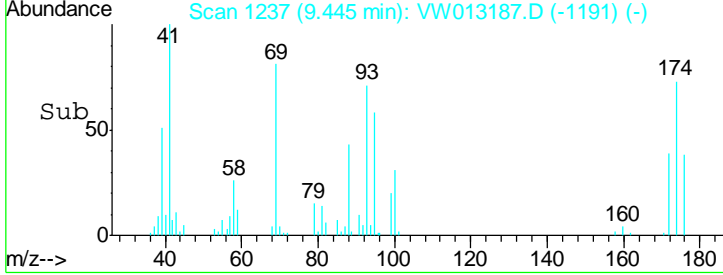
Instrument : MSVOA_W
 ClientSampled : VW0920SBS01



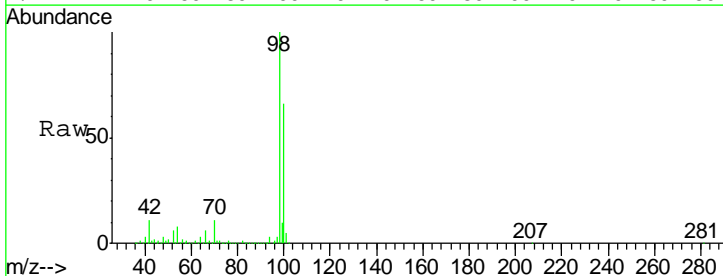
Tgt Ion: 88 Resp: 12109

Ion	Ratio	Lower	Upper
88	100		
43	33.0	0.0	0.0#
58	68.6	65.4	98.0

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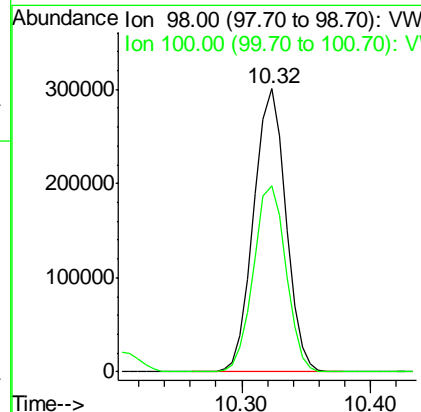
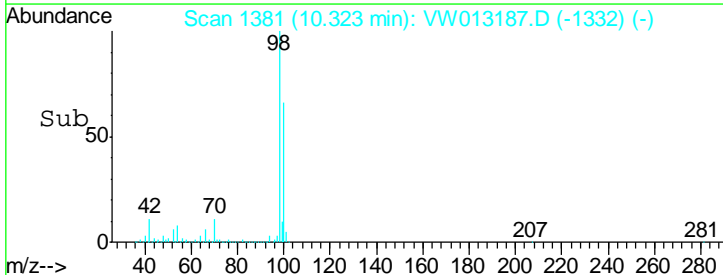


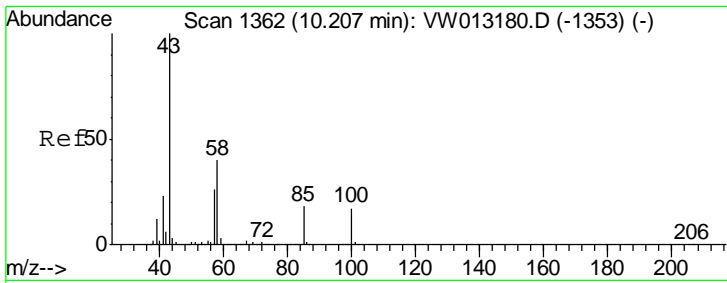
#50
 Toluene-d8
 Concen: 52.144 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



Tgt Ion: 98 Resp: 518332

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3



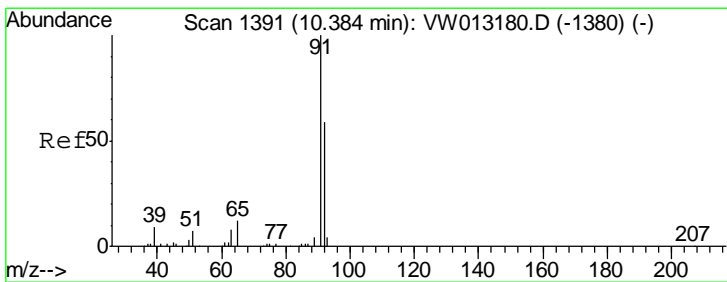
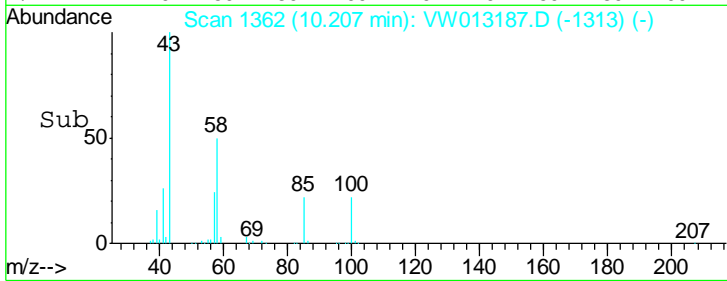
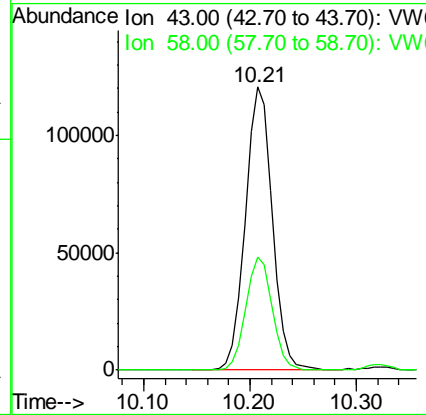
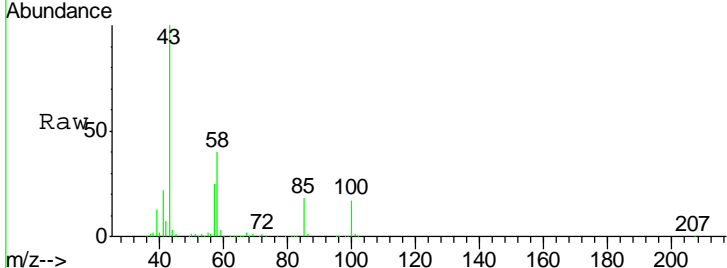


#51
 4-Methyl-2-Pentanone
 Concen: 125.885 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

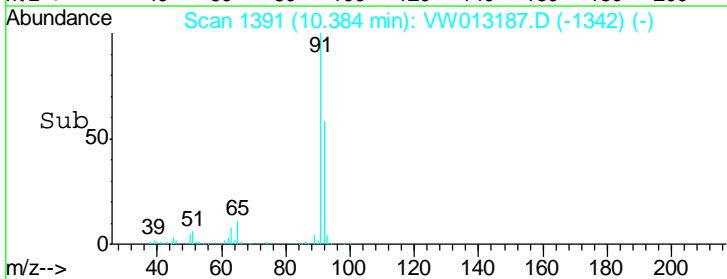
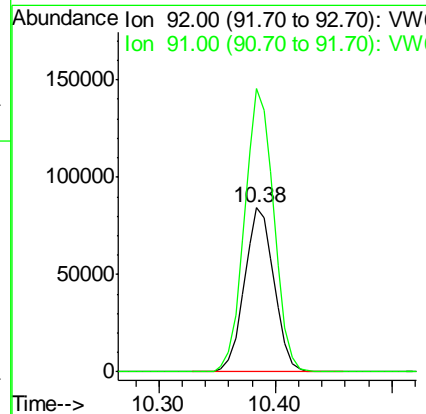
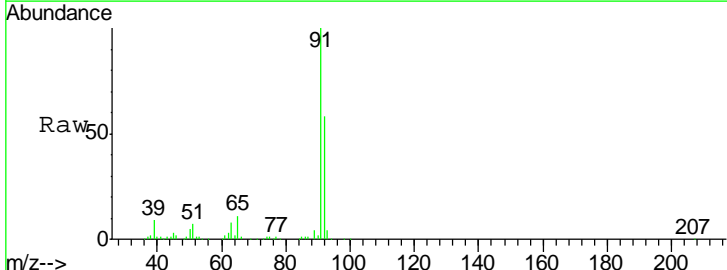
Tgt Ion	Resp	Lower	Upper
43	100		
58	39.1	31.7	47.5

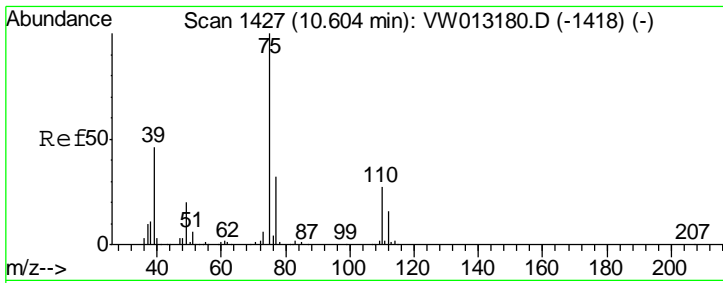
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#52
 Toluene
 Concen: 19.825 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
92	100		
91	171.9	135.7	203.5



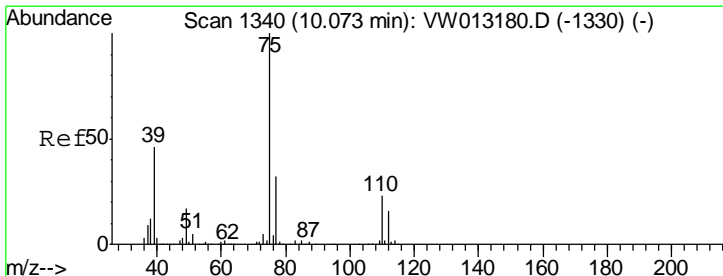
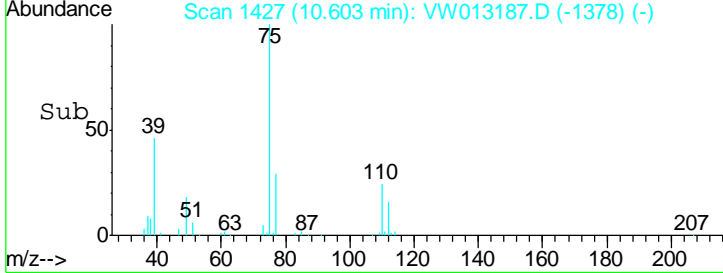
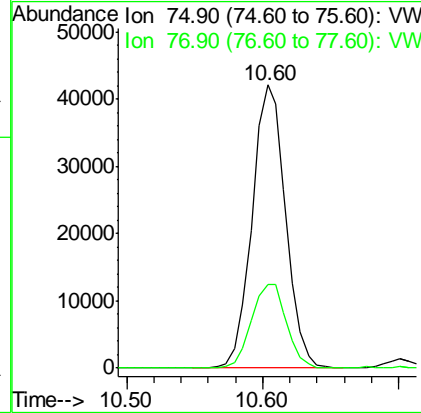
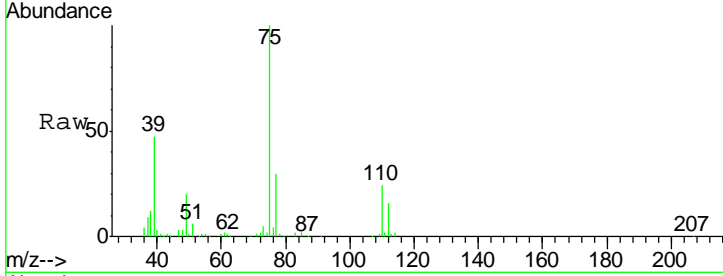


#53
 t-1,3-Dichloropropene
 Concen: 20.098 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

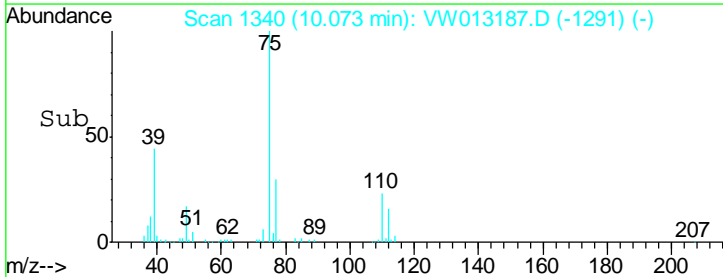
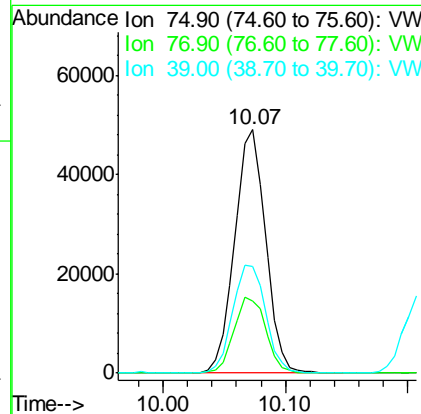
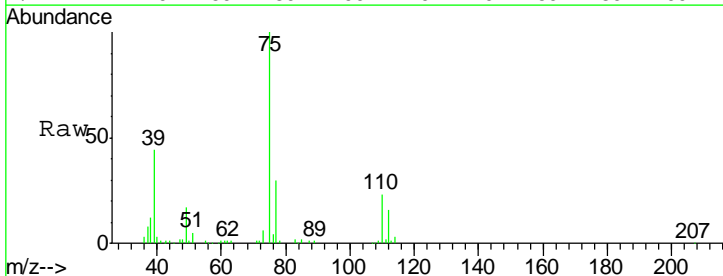
Tgt Ion	Resp	Lower	Upper
75	100		
77	29.8	25.5	38.3

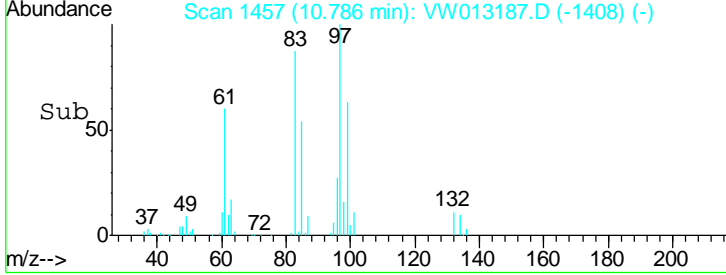
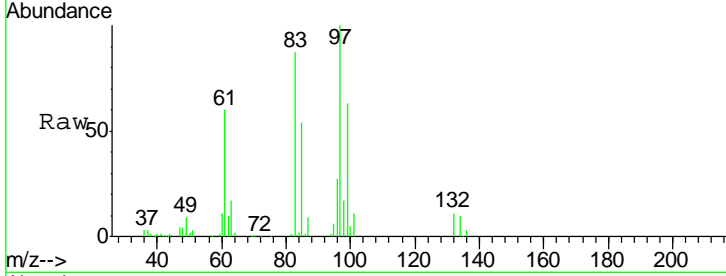
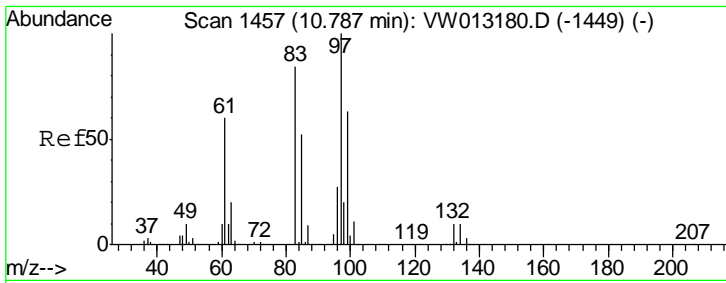
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#54
 cis-1,3-Dichloropropene
 Concen: 19.521 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
75	100		
77	29.6	25.2	37.8
39	43.8	36.6	55.0



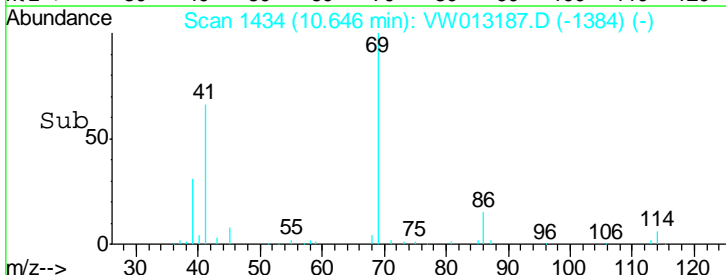
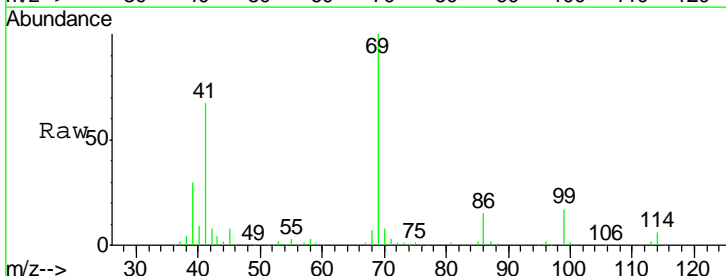
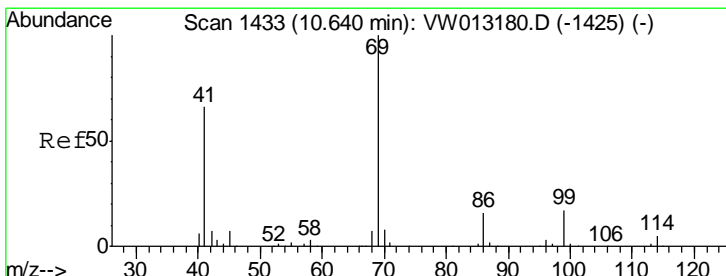
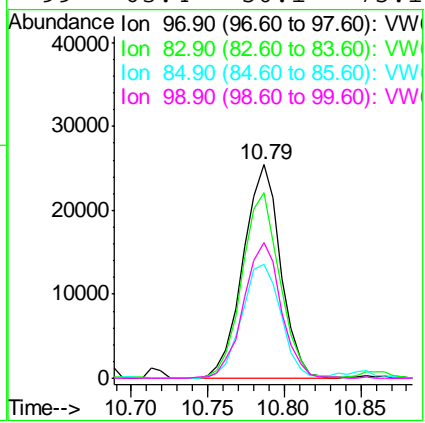


#55
 1,1,2-Trichloroethane
 Concen: 20.979 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
97	43364		
97	100		
83	87.1	67.6	101.4
85	53.5	41.9	62.9
99	63.4	50.1	75.1

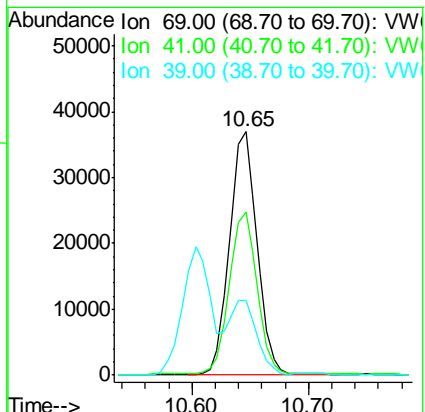
Instrument : MSVOA_W
 Client Sampled : VW0920SBS01

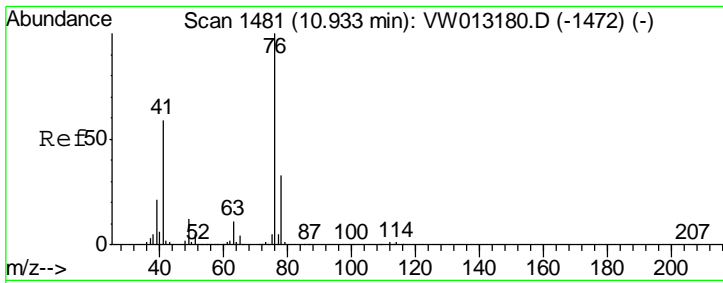
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#56
 Ethyl methacrylate
 Concen: 22.685 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
69	61366		
69	100		
41	65.9	53.9	80.9
39	28.5	23.8	35.6



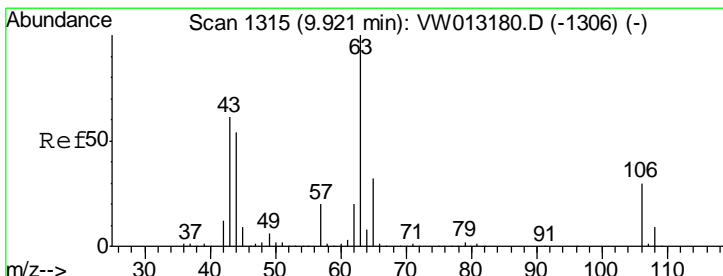
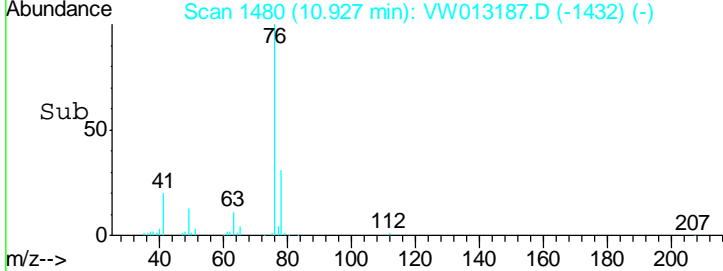
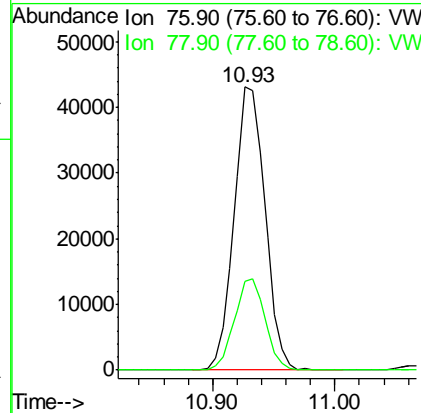
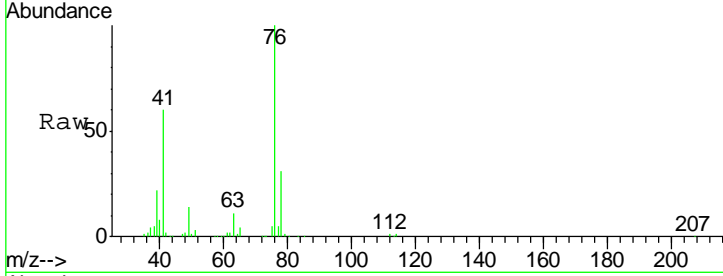


#57
 1,3-Dichloropropane
 Concen: 20.857 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

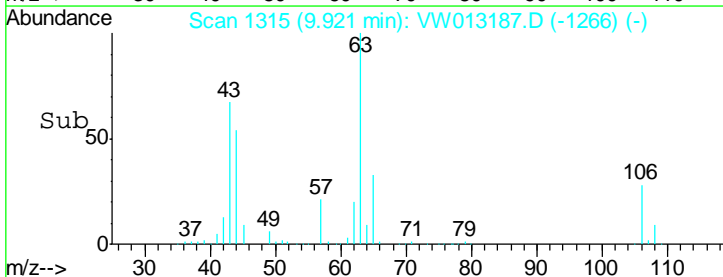
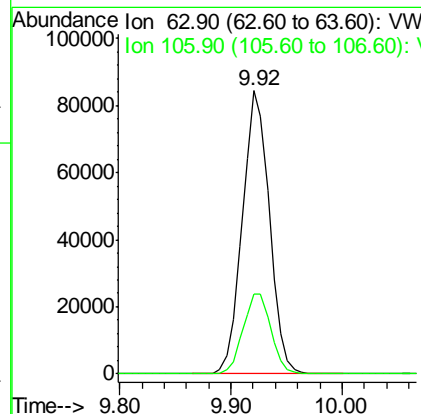
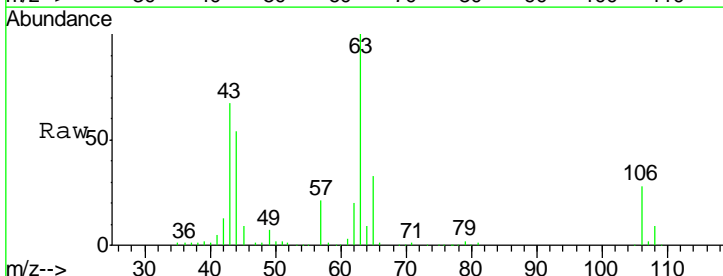
Tgt Ion	Resp	Lower	Upper
76	100		
78	32.1	25.5	38.3

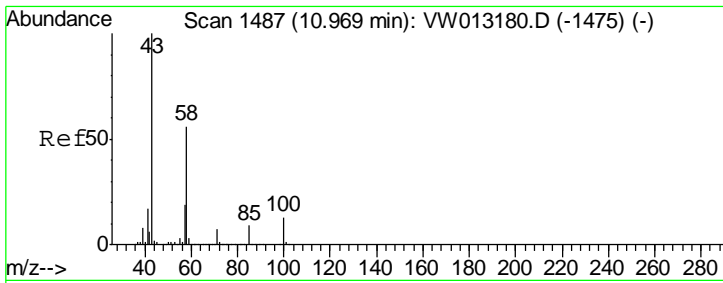
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.220 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
63	100		
106	29.2	23.4	35.0



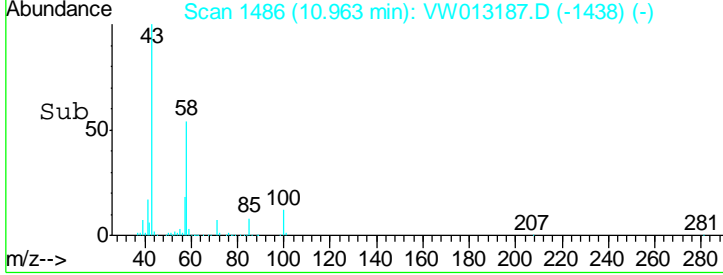
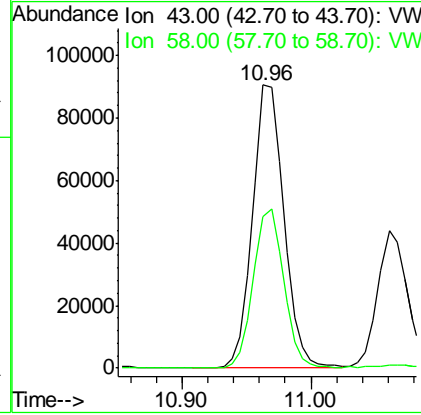
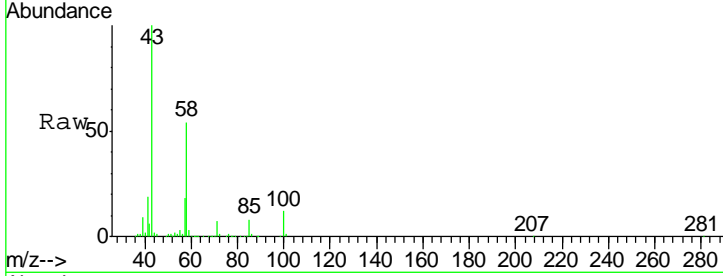


#59
 2-Hexanone
 Concen: 129.336 ug/l
 RT: 10.96 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

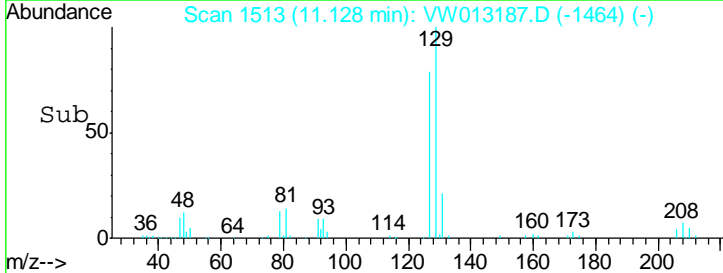
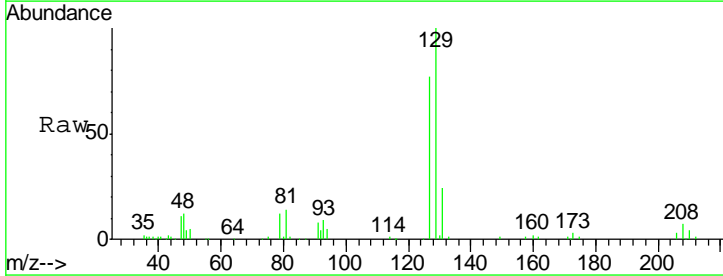
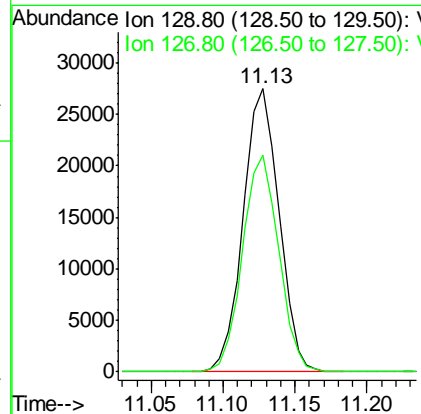
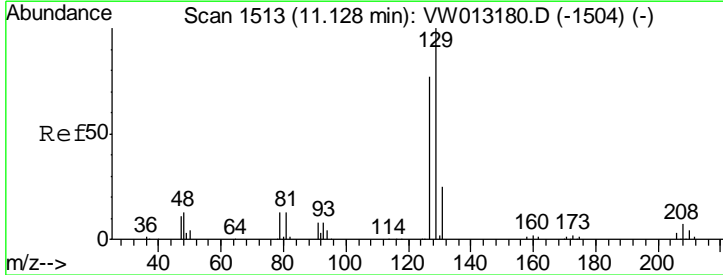
Tgt Ion	Resp	Lower	Upper
43	100		
58	55.0	28.1	84.2

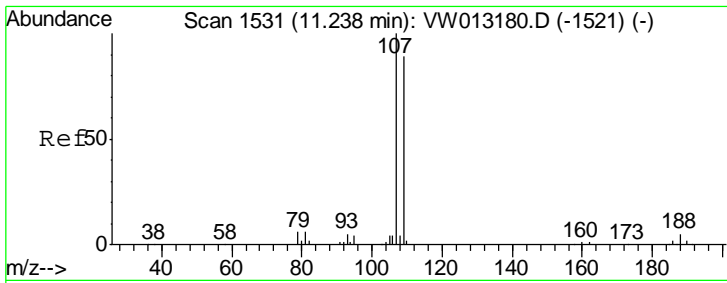
Manual Integrations
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#60
 Dibromochloromethane
 Concen: 20.230 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.5	38.8	116.4



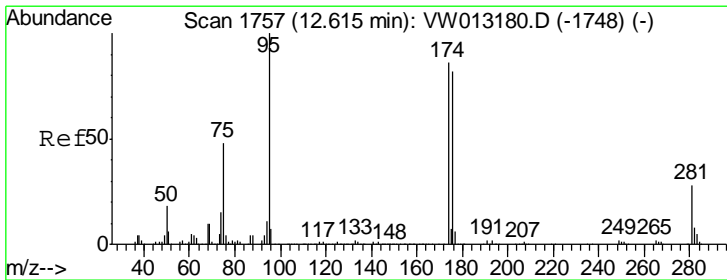
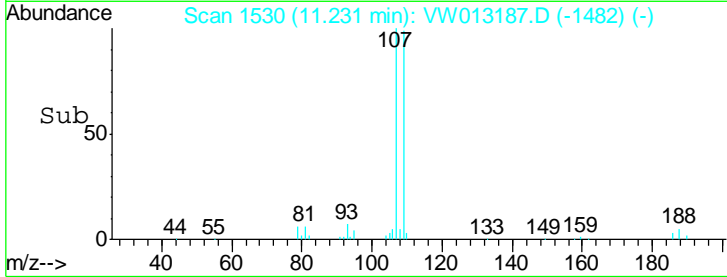
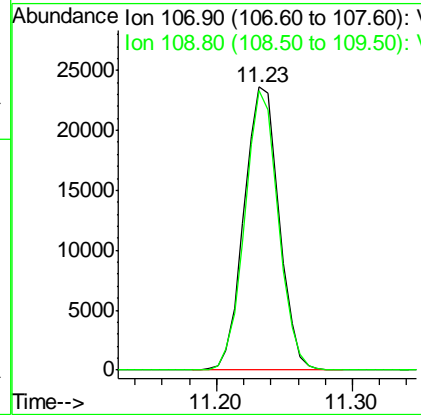
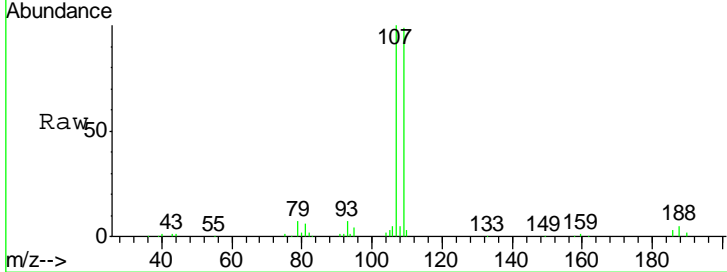


#61
 1,2-Dibromoethane
 Concen: 21.619 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 Client Sampled : VW0920SBS01

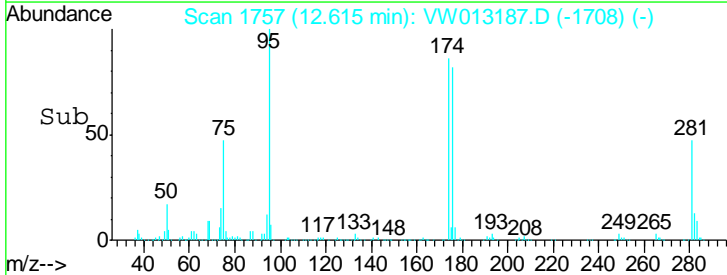
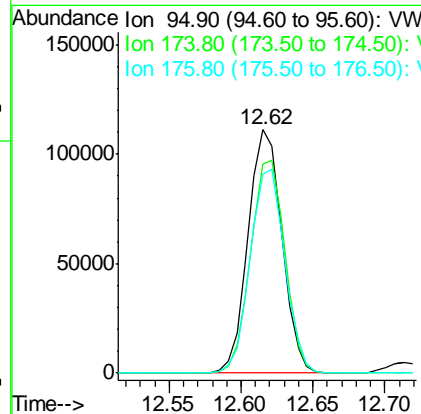
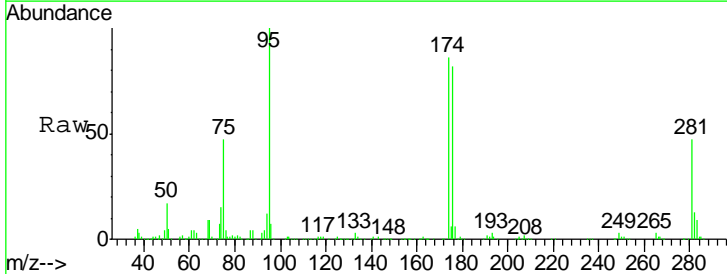
Tgt Ion	Resp	Lower	Upper
107	100		
109	94.9	75.2	112.8

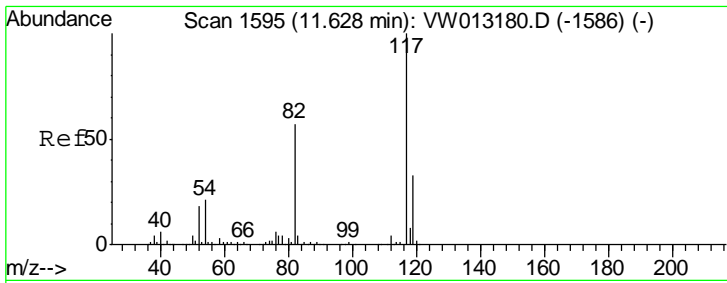
Manual Integrations
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 MMDadoda
 9/24/2019 5:28:53 AM



#62
 4-Bromofluorobenzene
 Concen: 53.065 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.9	0.0	178.4
176	85.6	0.0	172.2



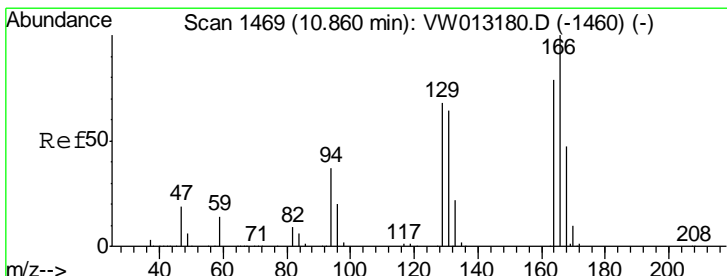
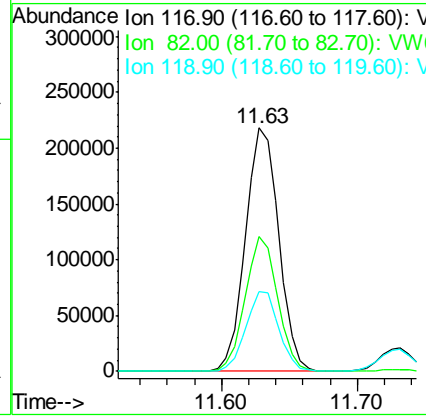
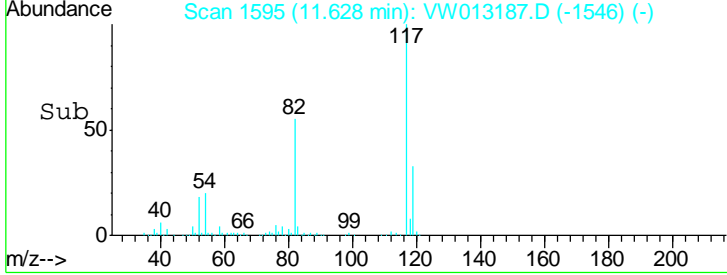
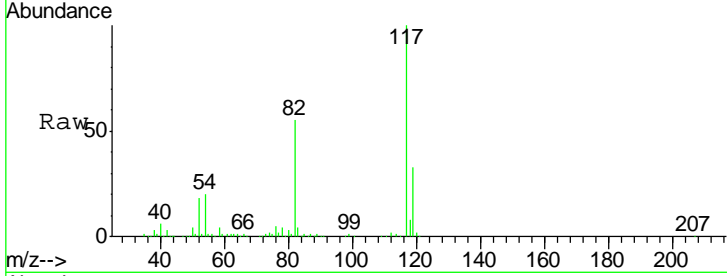


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

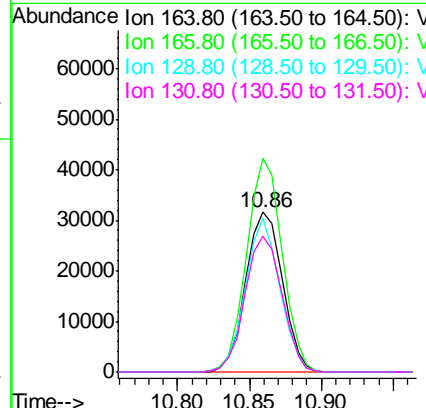
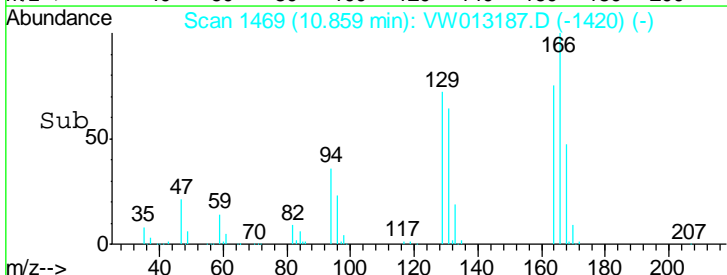
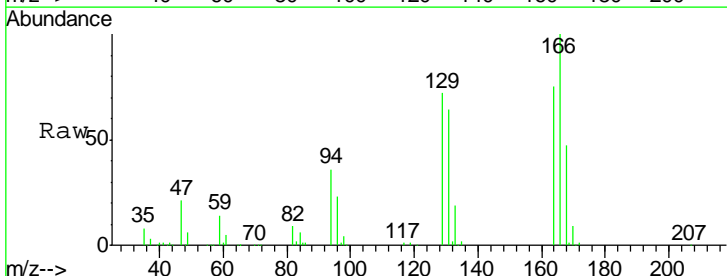
Tgt Ion	Resp	Lower	Upper
117	373568		
82	55.5	45.9	68.9
119	32.7	26.2	39.2

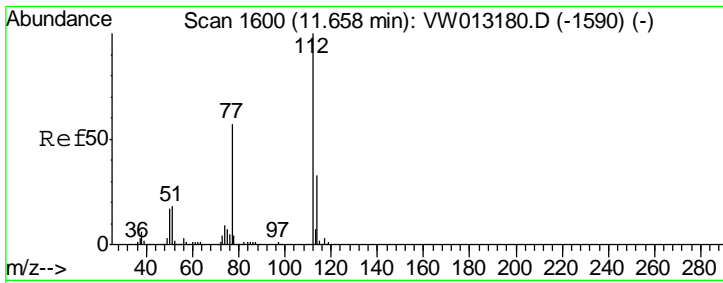
Manual Integrations
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#64
 Tetrachloroethene
 Concen: 19.790 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
164	56094		
166	133.8	101.2	151.8
129	96.4	68.8	103.2
131	85.3	65.2	97.8



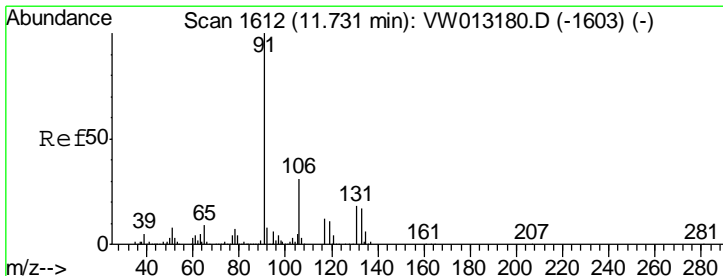
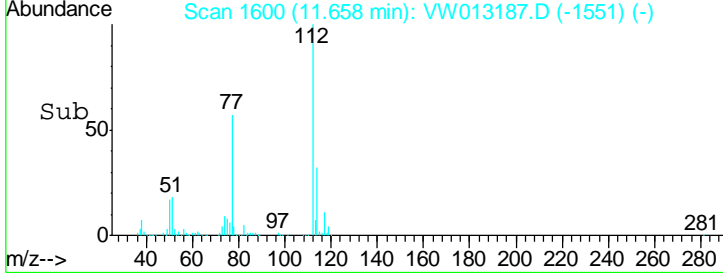
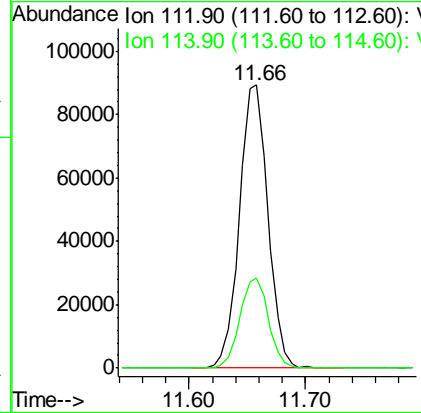
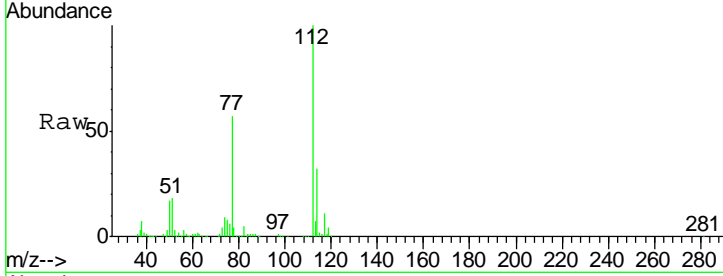


#65
 Chlorobenzene
 Concen: 19.597 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 Client Sampled : VW0920SBS01

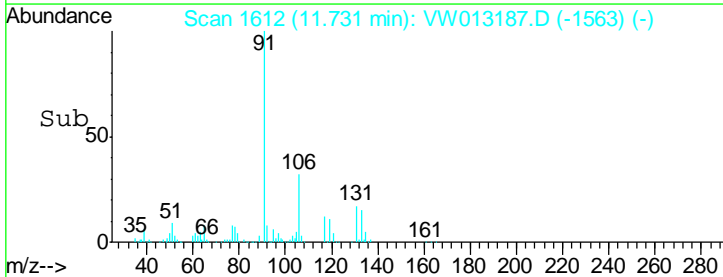
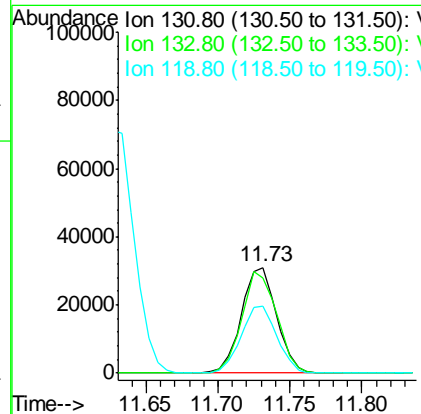
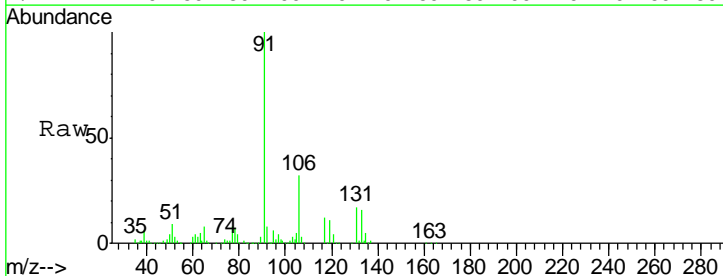
Tgt Ion	Resp	Lower	Upper
112	152873		
114	31.8	26.5	39.7

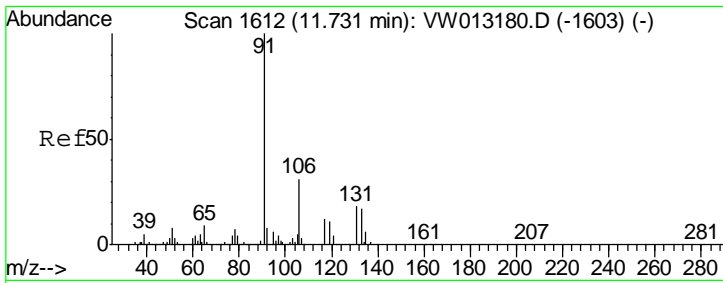
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.659 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
131	52392		
133	94.9	47.5	142.6
119	65.0	32.5	97.5



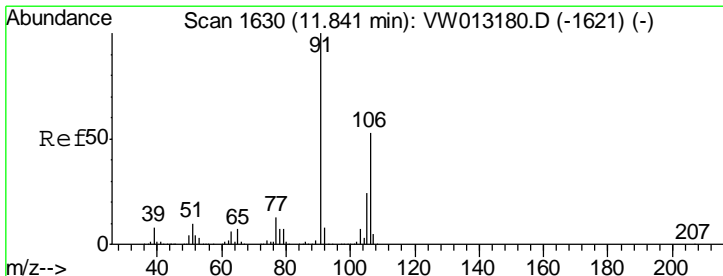
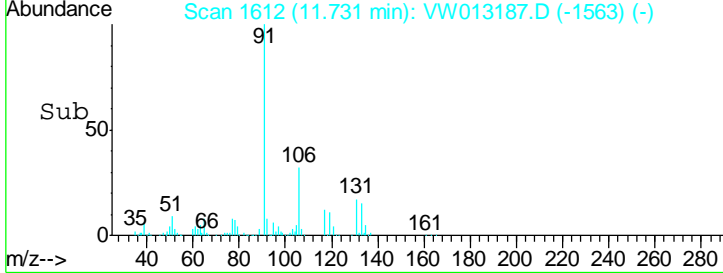
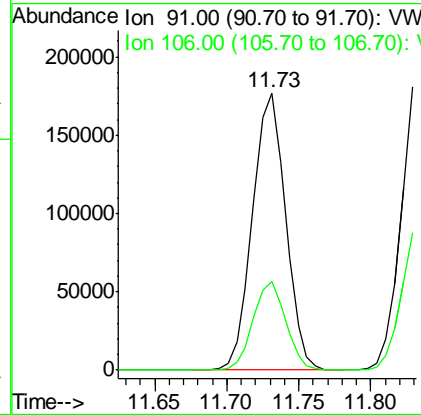
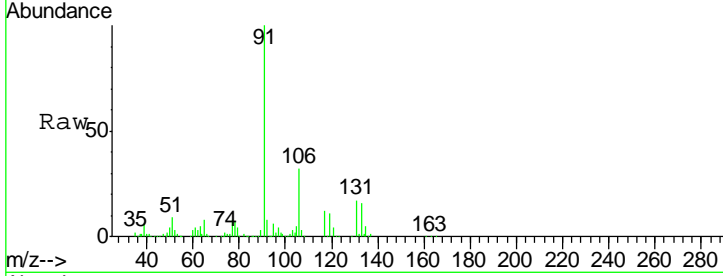


#67
 Ethyl Benzene
 Concen: 19.822 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

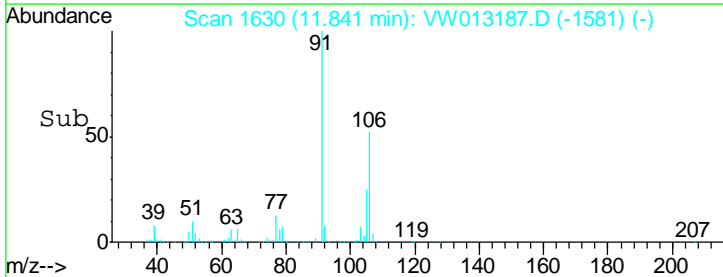
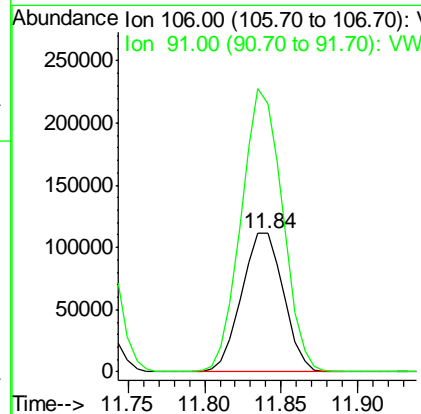
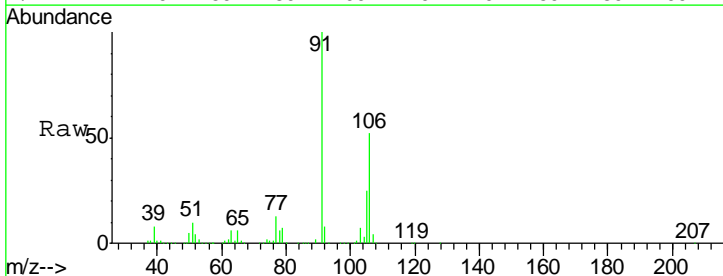
Tgt Ion	Resp	Lower	Upper
91	100		
106	31.9	24.9	37.3

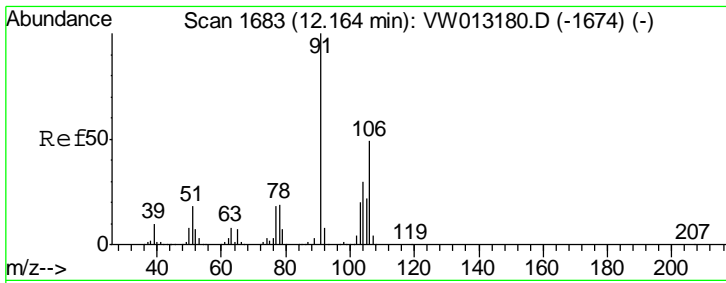
Manual Integrations
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#68
 m/p-Xylenes
 Concen: 39.613 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.3	157.9	236.9



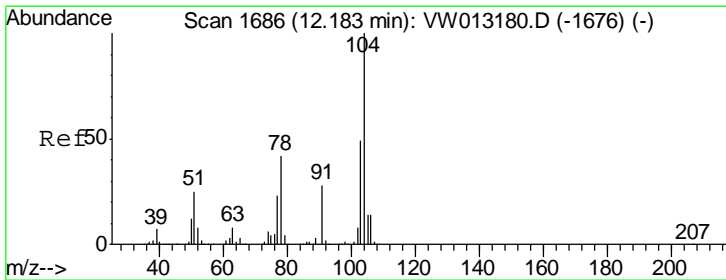
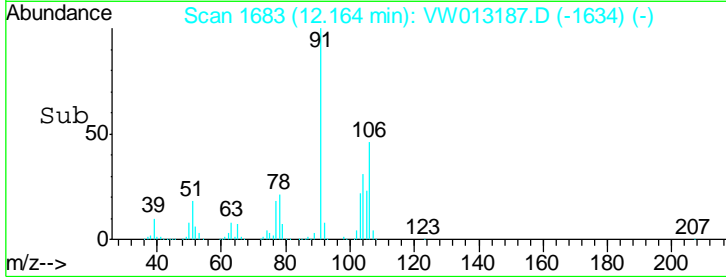
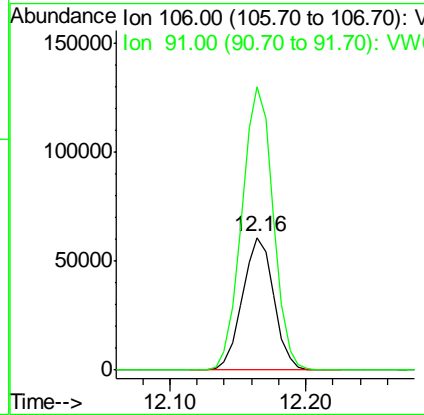
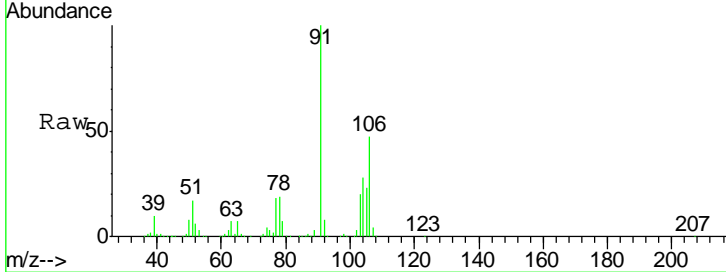


#69
 o-Xylene
 Concen: 19.632 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 Client Sampled : VW0920SBS01

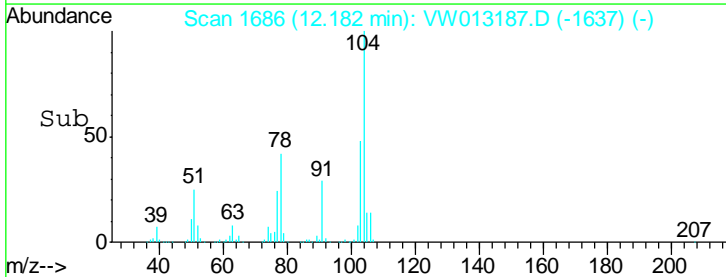
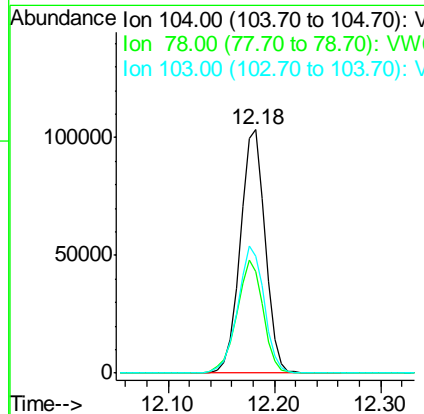
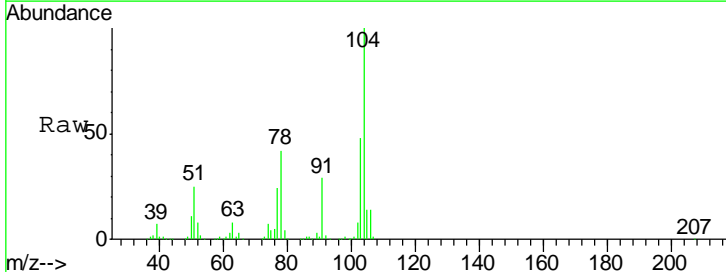
Tgt Ion	Resp	Lower	Upper
106	98306		
106	100		
91	212.9	106.5	319.5

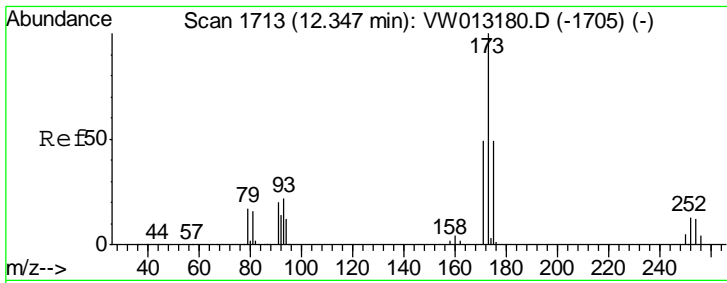
Manual Integrations
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#70
 Styrene
 Concen: 19.703 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

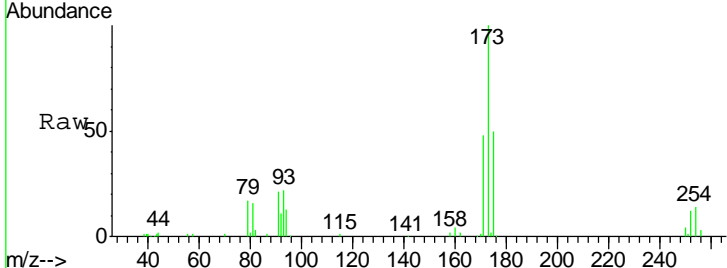
Tgt Ion	Resp	Lower	Upper
104	169388		
104	100		
78	49.0	38.4	57.6
103	55.5	43.3	64.9





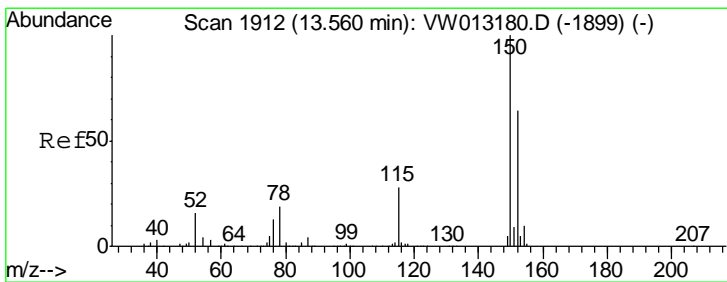
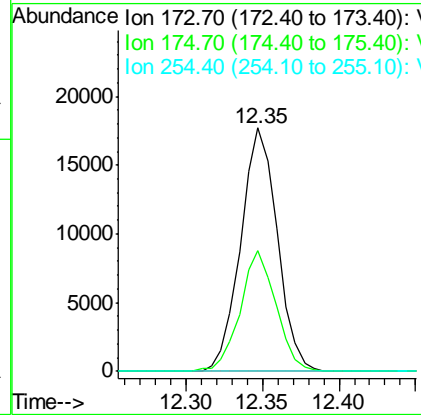
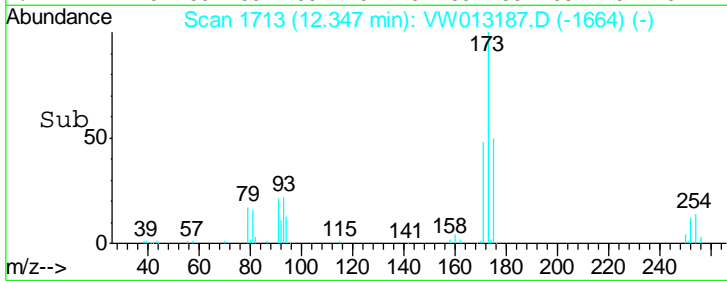
#71
 Bromoform
 Concen: 20.895 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

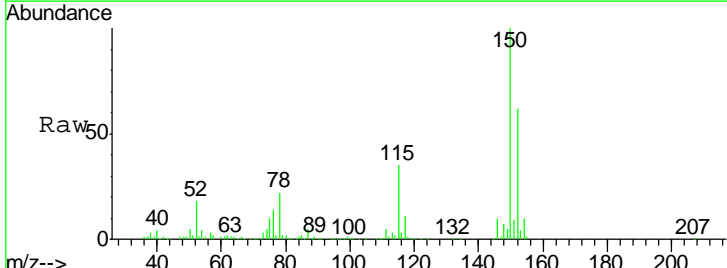


Tgt Ion	Resp	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	0.1	0.1	0.1

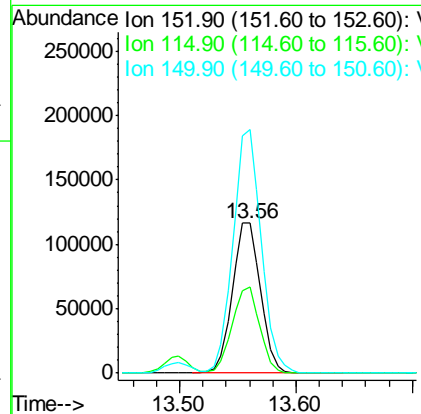
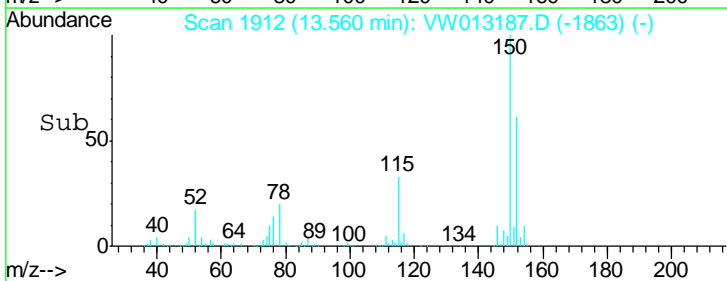
Manual Integrations
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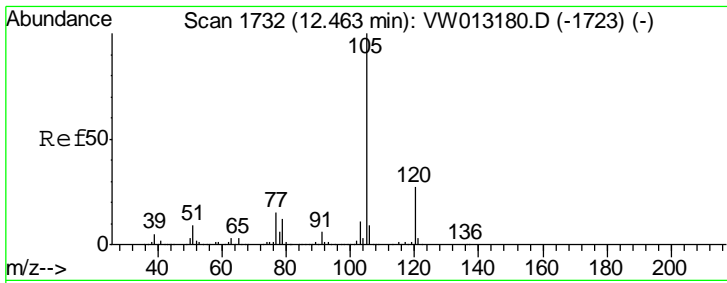


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



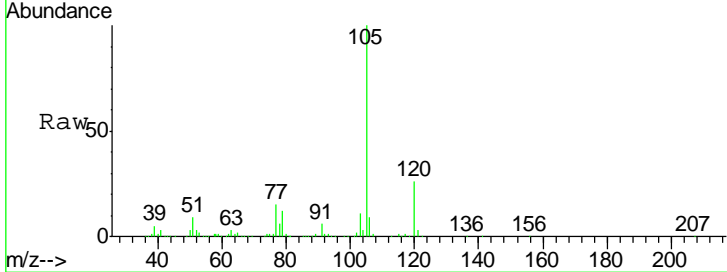
Tgt Ion	Resp	Lower	Upper
152	100		
115	55.9	27.3	81.9
150	163.6	0.0	349.0





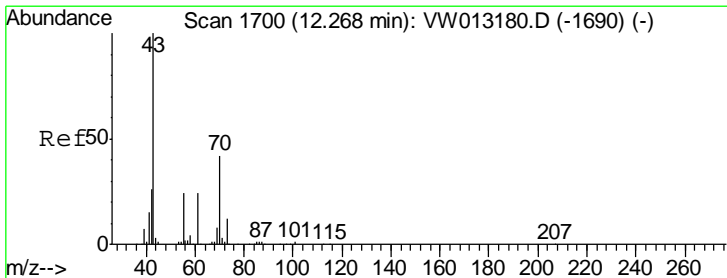
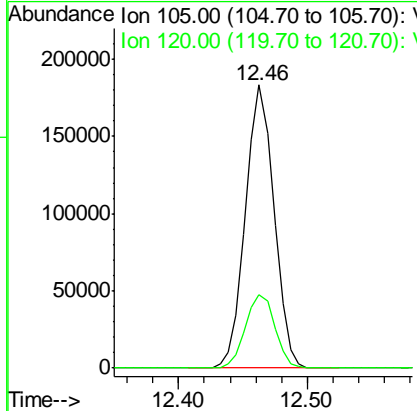
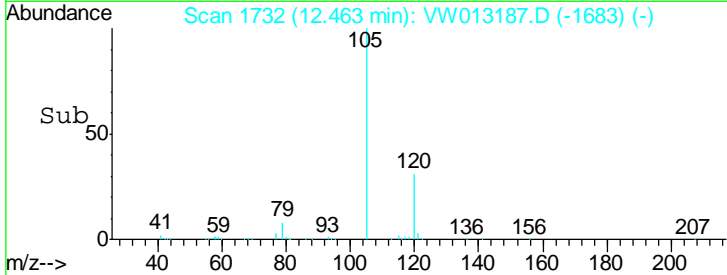
#73
 Isopropylbenzene
 Concen: 19.497 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

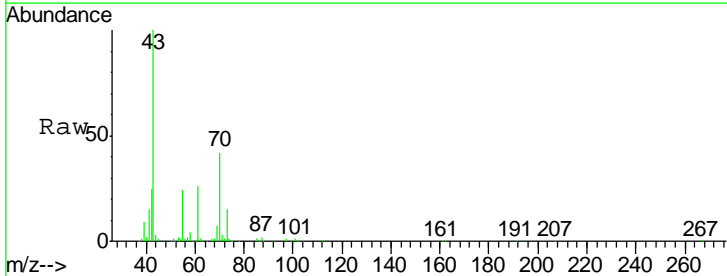


Tgt Ion: 105 Resp: 280448
 Ion Ratio Lower Upper
 105 100
 120 26.8 13.4 40.1

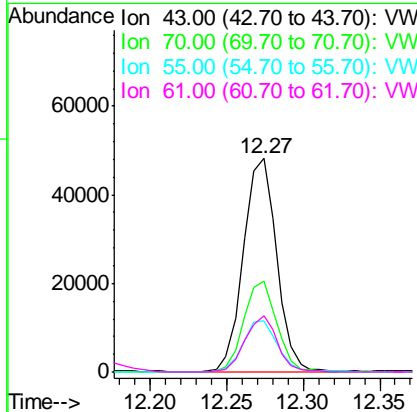
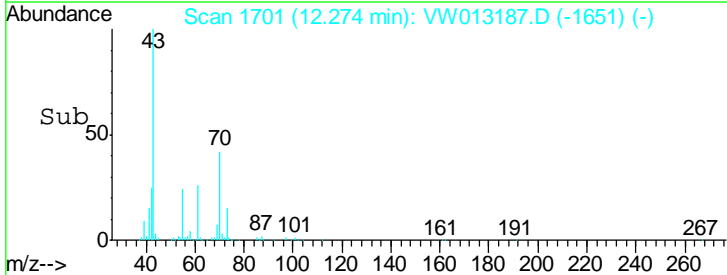
Manual Integrations
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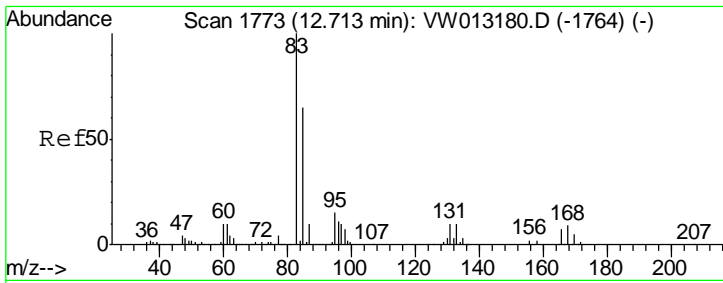


#74
 N-nyl acetate
 Concen: 22.801 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



Tgt Ion: 43 Resp: 72776
 Ion Ratio Lower Upper
 43 100
 70 42.5 35.1 52.7
 55 24.8 19.9 29.9
 61 25.5 19.5 29.3



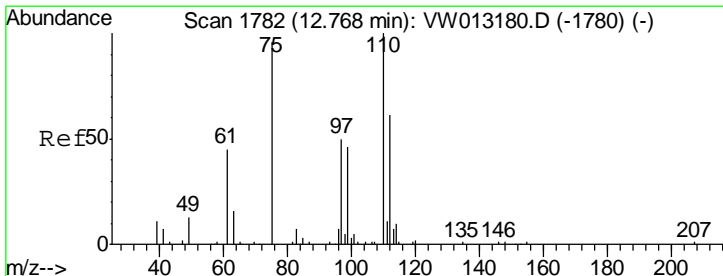
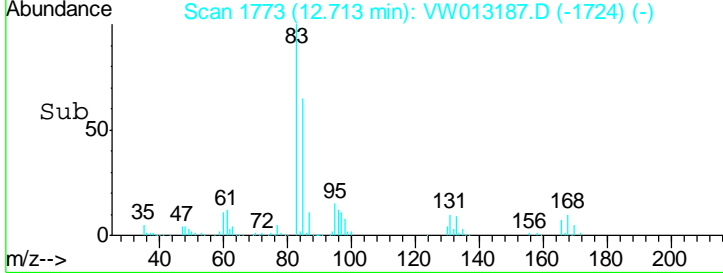
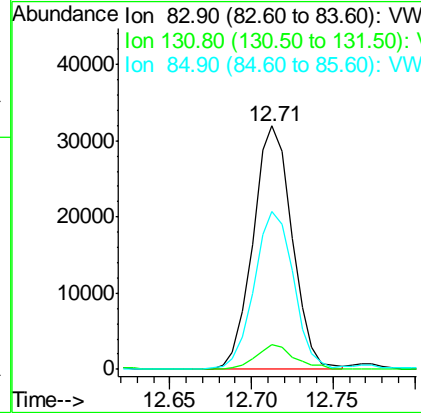
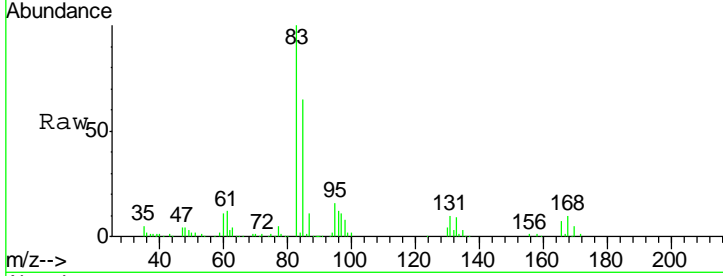


#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.226 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

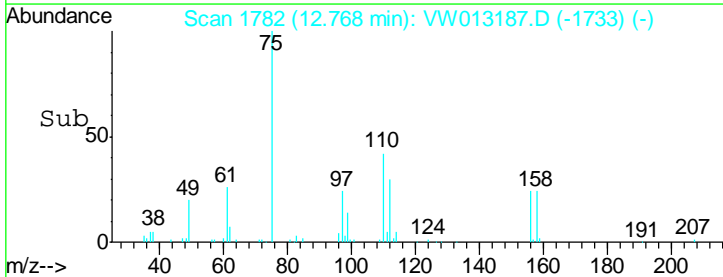
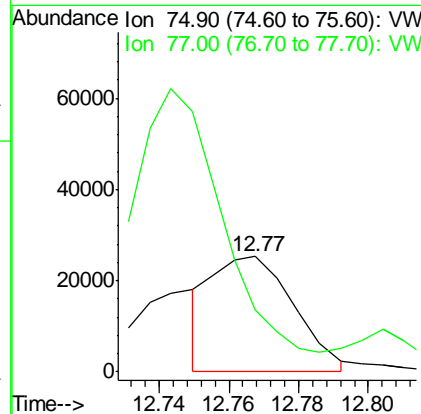
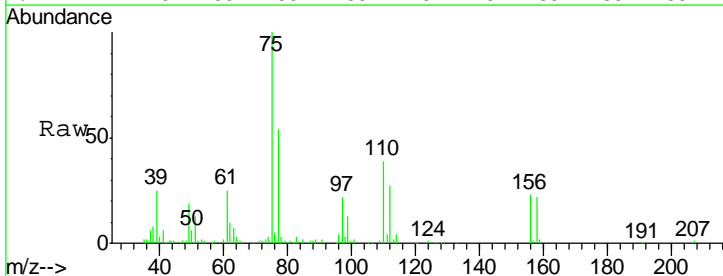
Tgt Ion	Resp	Lower	Upper
83	100		
131	10.1	5.4	16.2
85	65.2	31.9	95.9

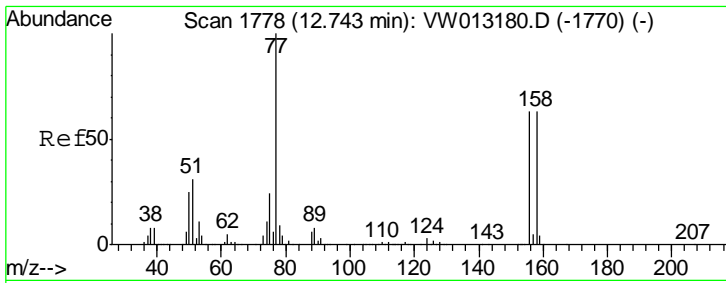
Manual Integrations
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#76
 1,2,3-Trichloropropane
 Concen: 24.091 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0



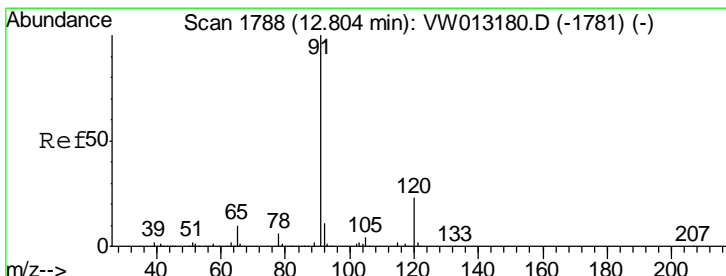
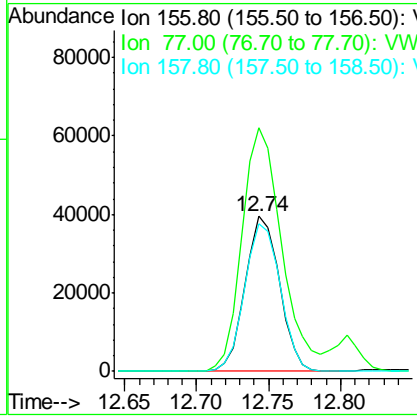
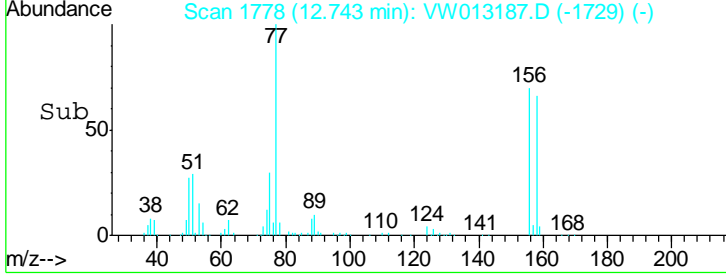
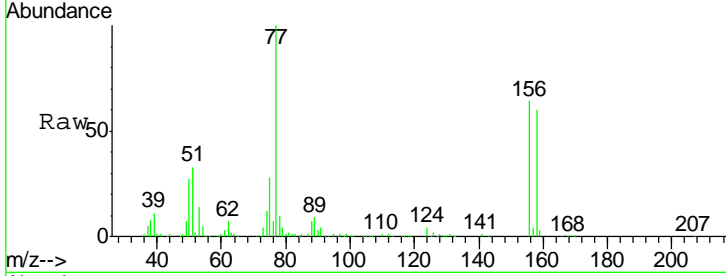


#77
 Bromobenzene
 Concen: 19.225 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

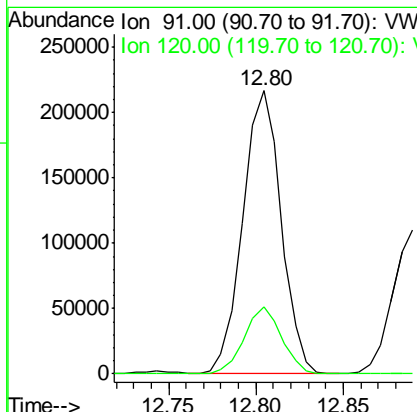
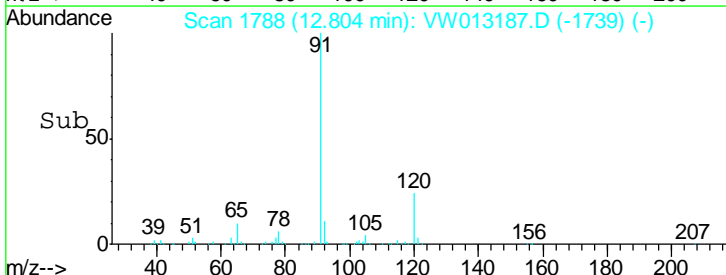
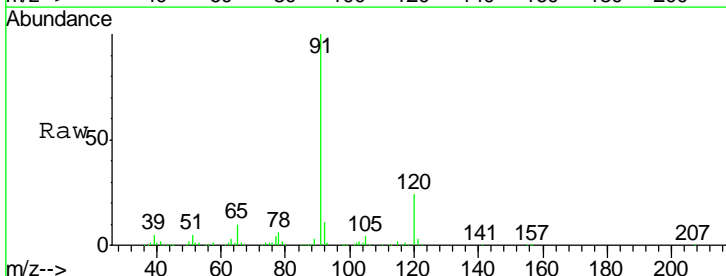
Tgt Ion	Resp	Lower	Upper
156	100		
77	180.9	85.7	257.1
158	98.0	48.1	144.4

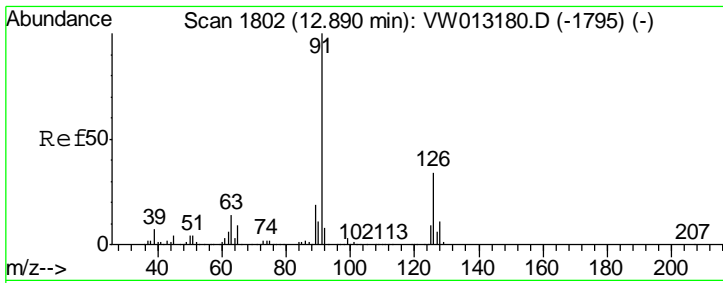
Manual Integrations
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#78
 n-propylbenzene
 Concen: 19.562 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.3	11.7	35.1



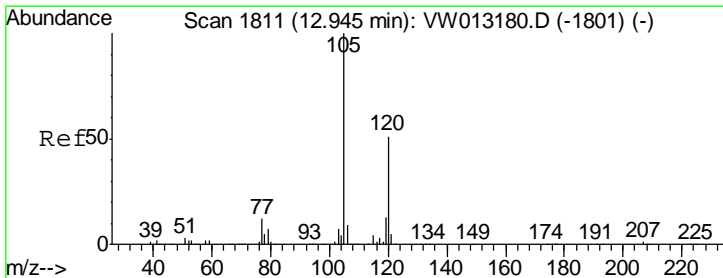
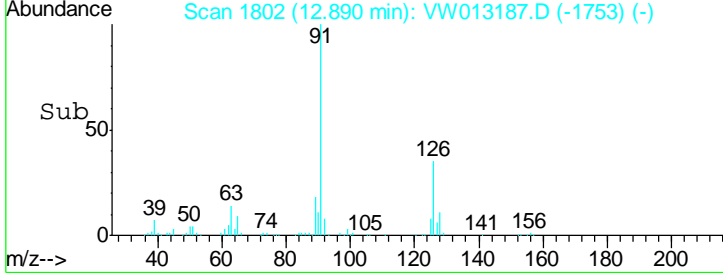
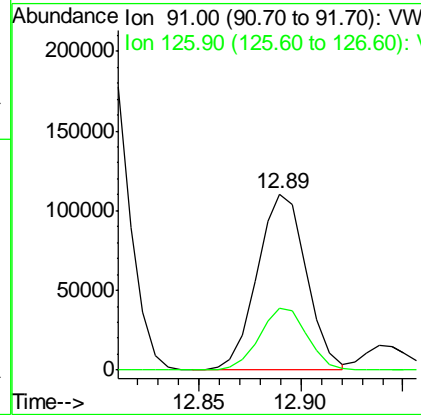
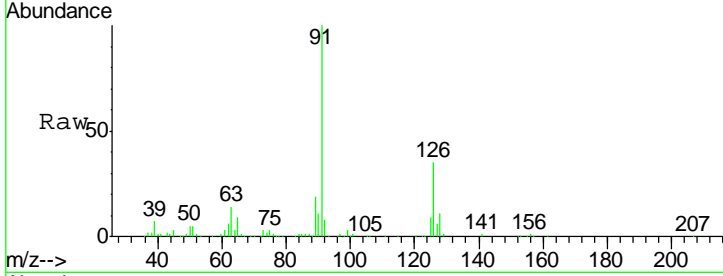


#79
 2-Chlorotoluene
 Concen: 19.513 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 Client Sampled : VW0920SBS01

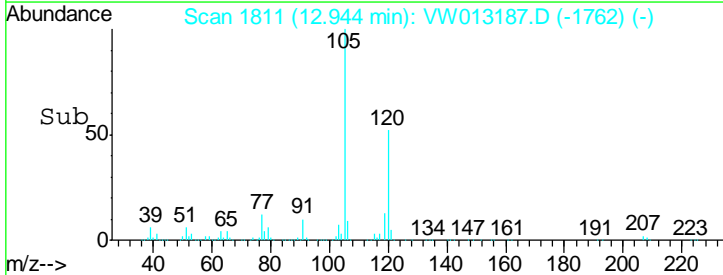
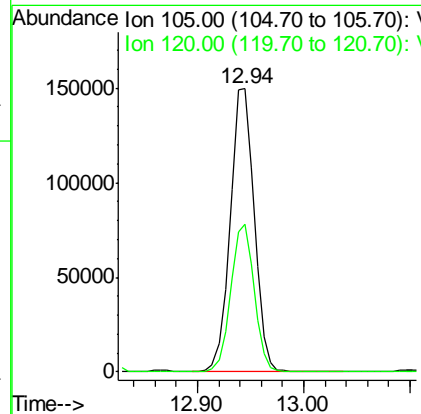
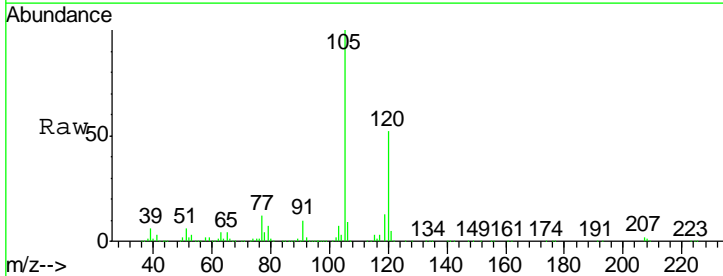
Tgt Ion	Resp	Lower	Upper
91	184057	100	
126	34.7	17.2	51.5

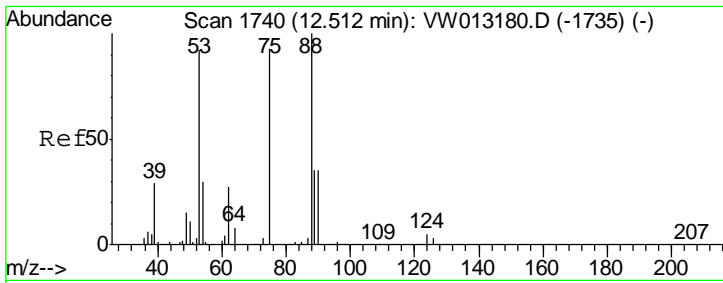
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.637 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
105	237434	100	
120	50.8	24.9	74.8





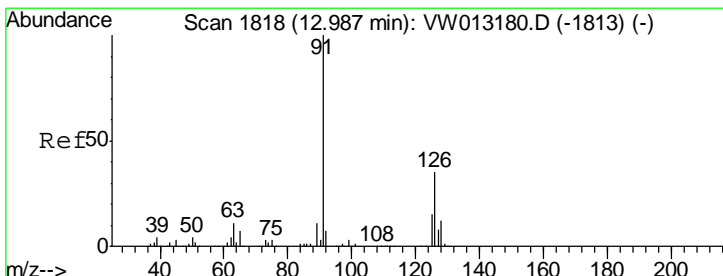
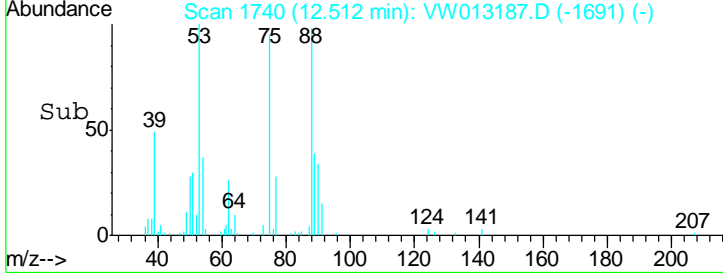
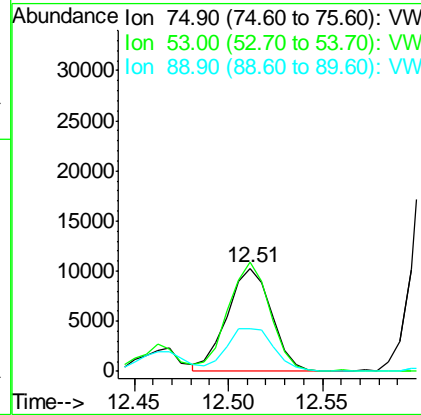
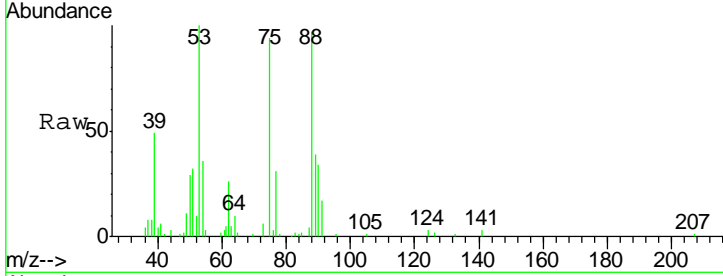
#81
 trans-1,4-Dichloro-2-butene
 Concen: 21.997 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBS01

Tgt Ion	Resp	Lower	Upper
75	16857		
75	100		
53	98.5	76.6	114.8
89	43.5	33.5	50.3

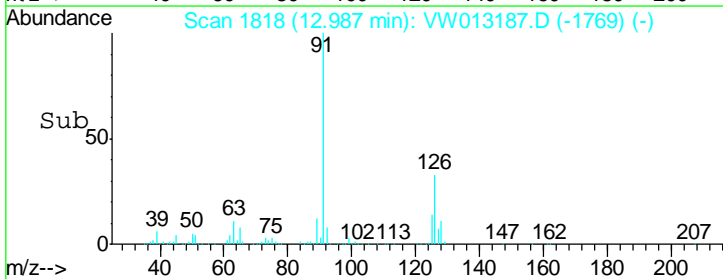
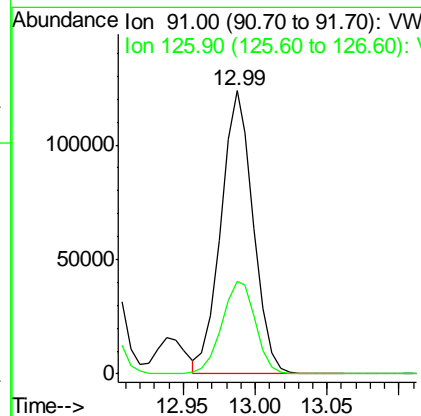
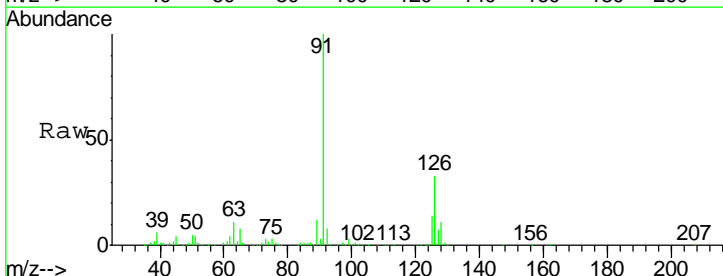
Manual Integrations
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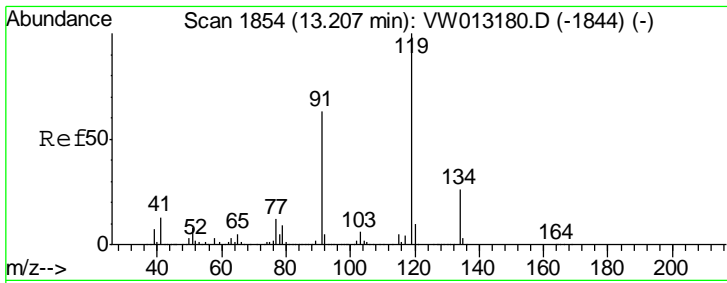
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#82
 4-Chlorotoluene
 Concen: 19.440 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

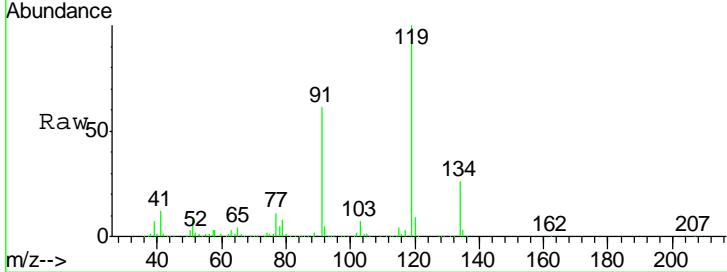
Tgt Ion	Resp	Lower	Upper
91	193368		
91	100		
126	34.2	17.3	51.7





#83
 tert-Butylbenzene
 Concen: 19.598 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

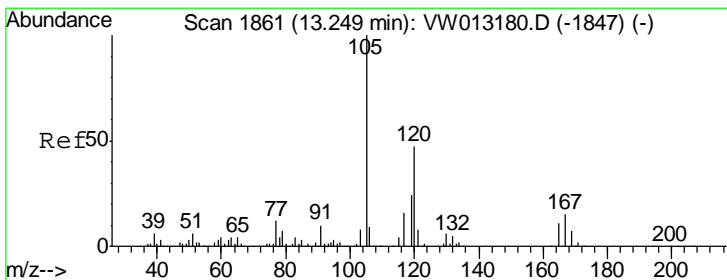
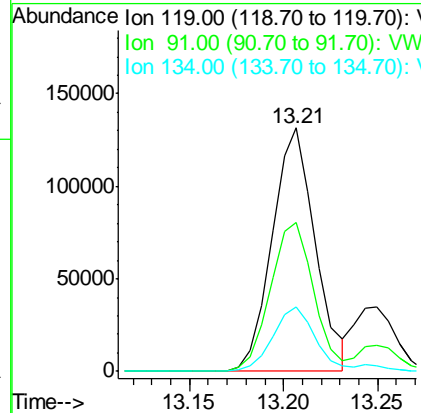
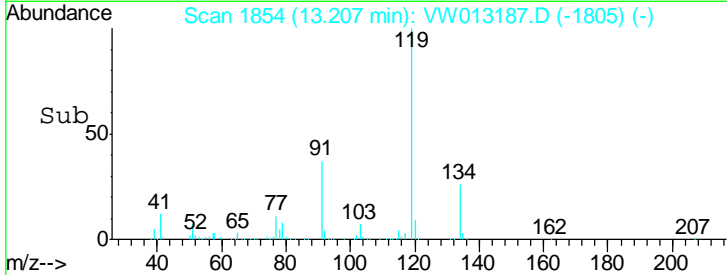
Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBS01



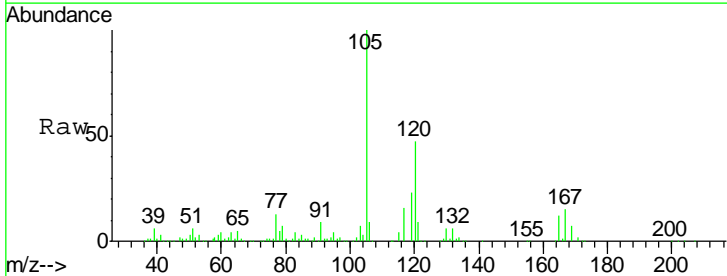
Tgt Ion: 119 Resp: 207985

Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	26.0	12.6	37.6

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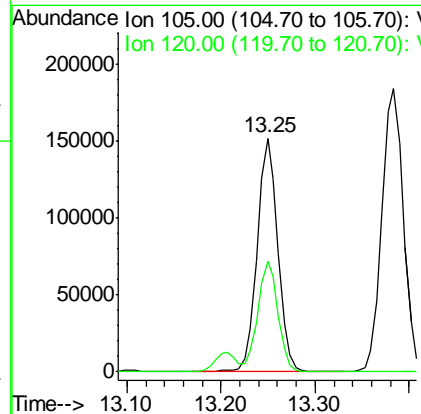
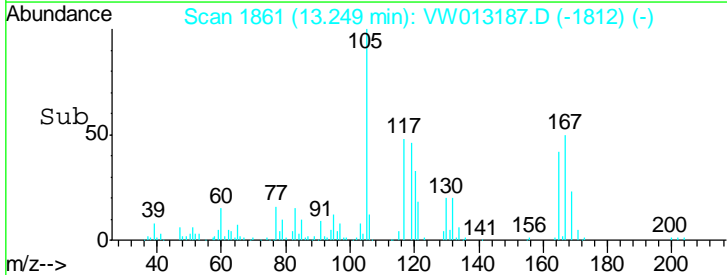


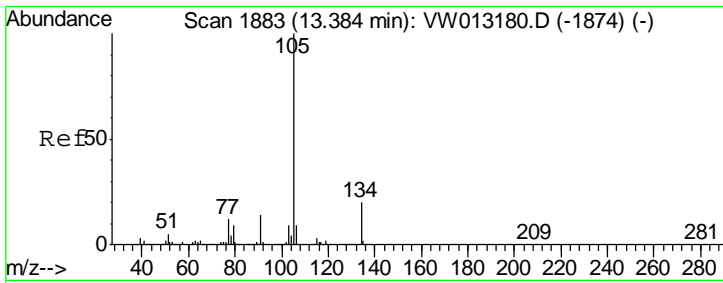
#84
 1,2,4-Trimethylbenzene
 Concen: 19.550 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



Tgt Ion: 105 Resp: 235228

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.3





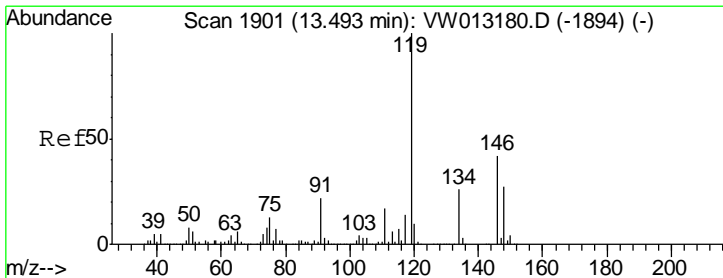
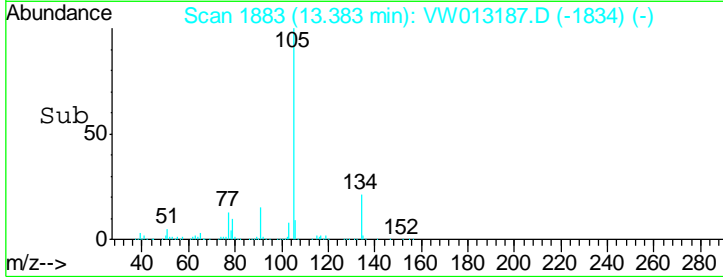
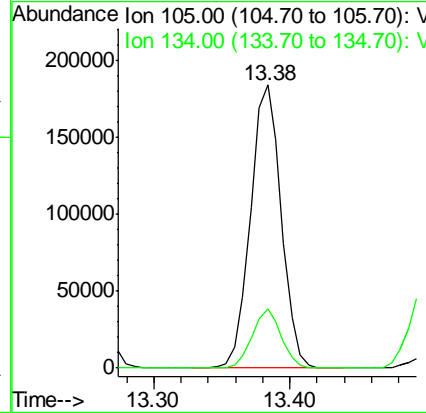
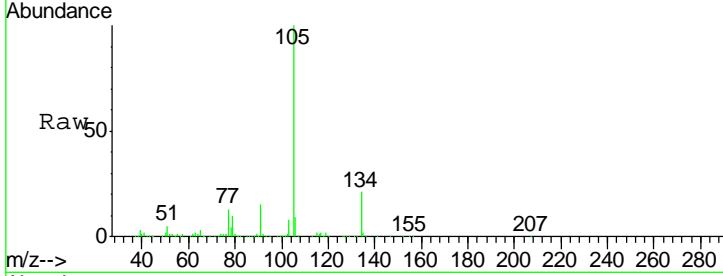
#85
 sec-Butylbenzene
 Concen: 19.877 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 Client Sampled : VW0920SBS01

Tgt Ion	Resp	Lower	Upper
105	290834		
134	19.9	10.3	30.8

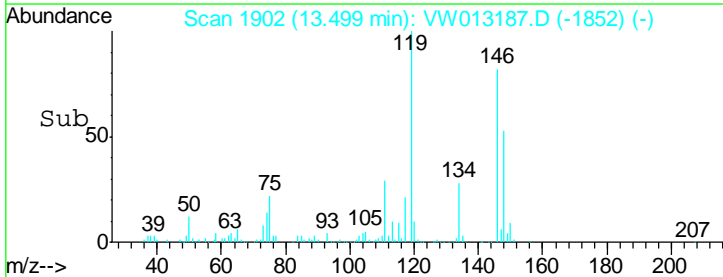
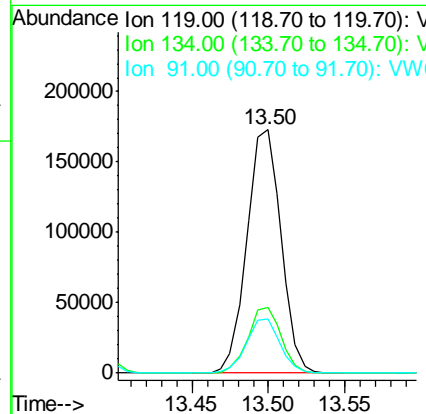
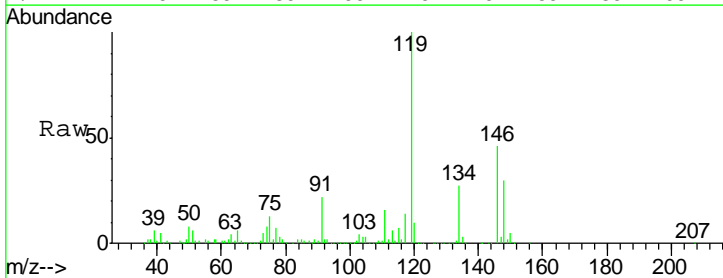
Manual Integrations
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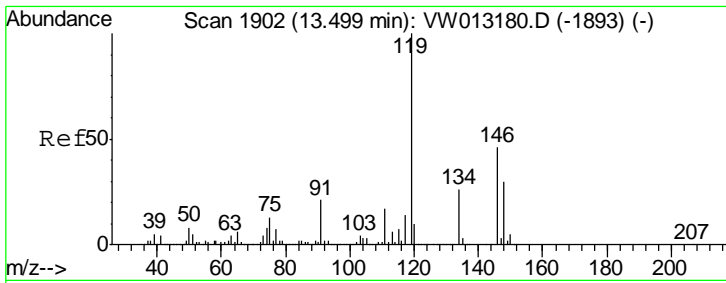
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#86
 p-Isopropyltoluene
 Concen: 19.738 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

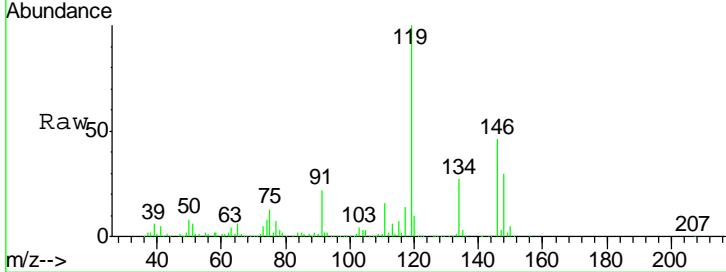
Tgt Ion	Resp	Lower	Upper
119	267857		
134	26.3	13.3	39.8
91	22.0	10.8	32.4





#87
 1,3-Dichlorobenzene
 Concen: 19.373 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

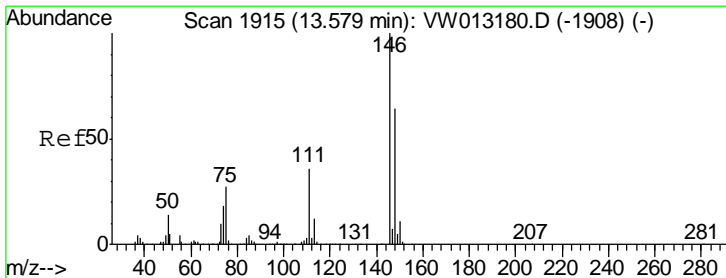
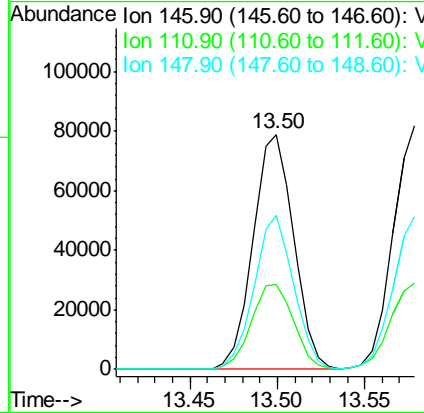
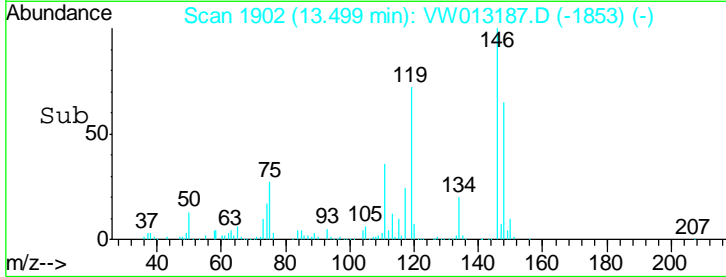
Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBS01



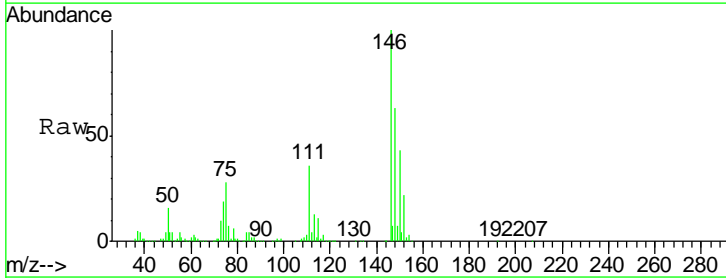
Tgt Ion: 146 Resp: 127087

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.8	31.9	95.5

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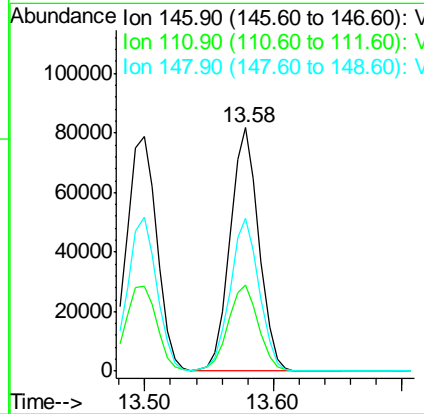
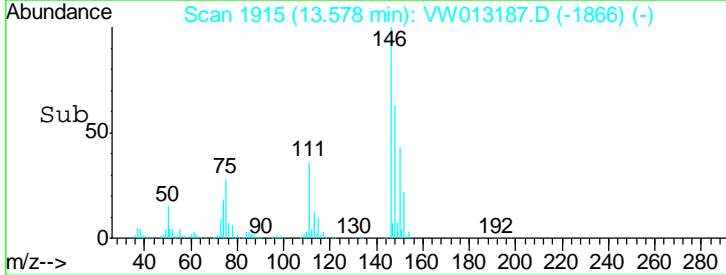


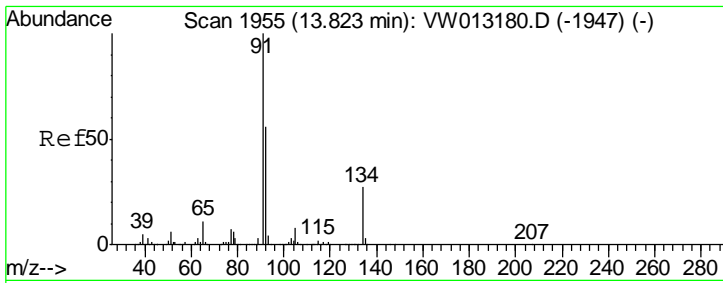
#88
 1,4-Dichlorobenzene
 Concen: 19.787 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



Tgt Ion: 146 Resp: 127304

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.0
148	63.8	32.1	96.3



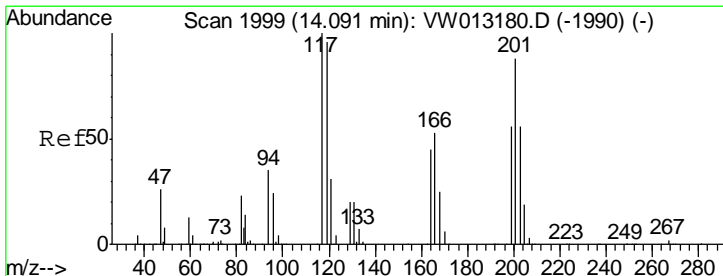
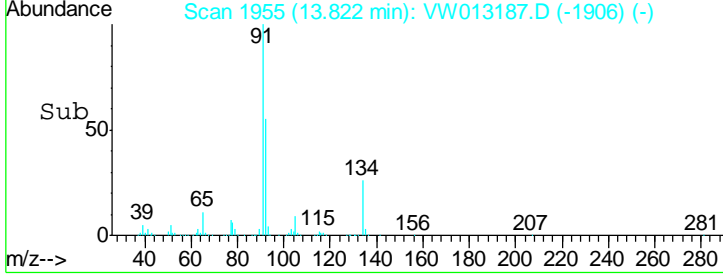
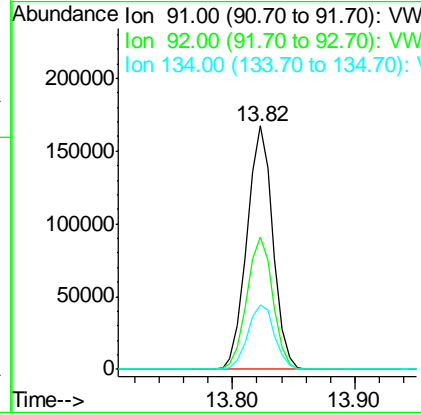
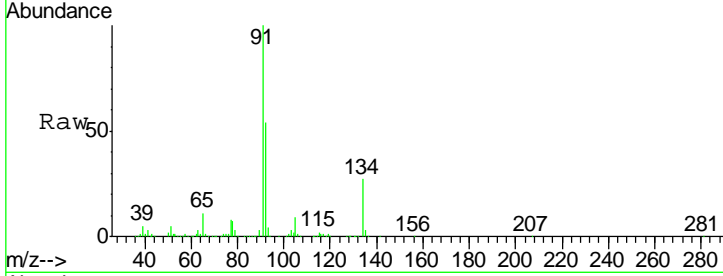


#89
 n-Butylbenzene
 Concen: 19.829 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 Client Sampled : VW0920SBS01

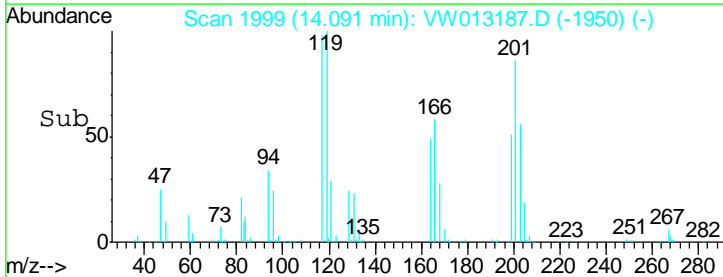
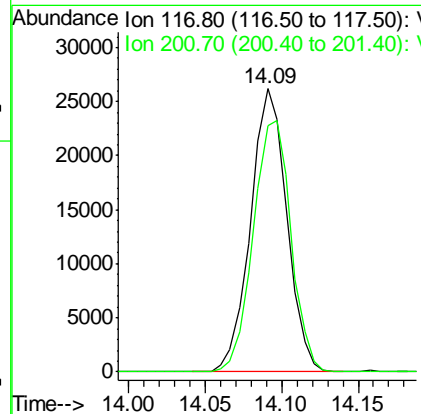
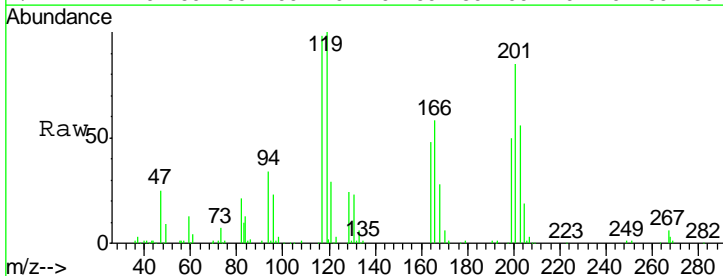
Tgt Ion	Resp	Lower	Upper
91	100		
92	54.4	27.6	82.8
134	27.4	13.7	41.1

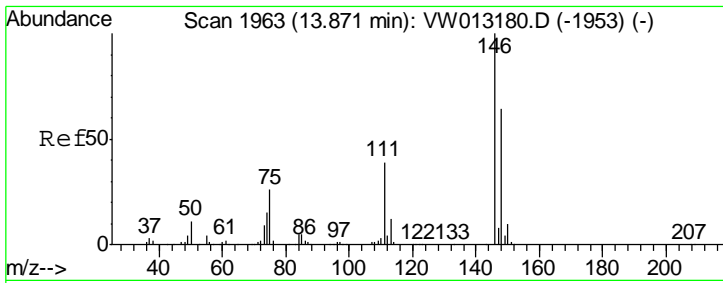
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#90
 Hexachloroethane
 Concen: 18.968 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Resp	Lower	Upper
117	100		
201	92.2	44.5	133.5



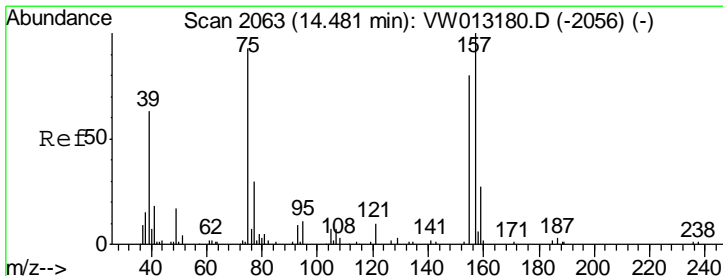
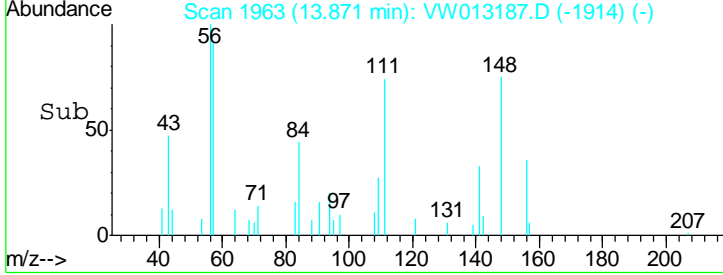
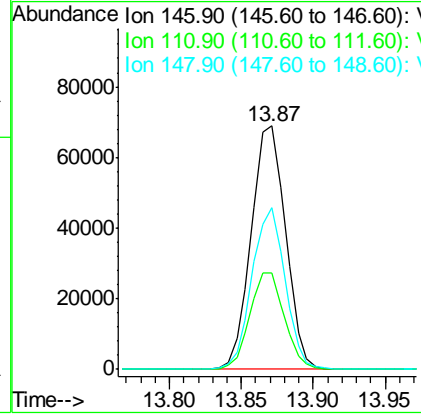
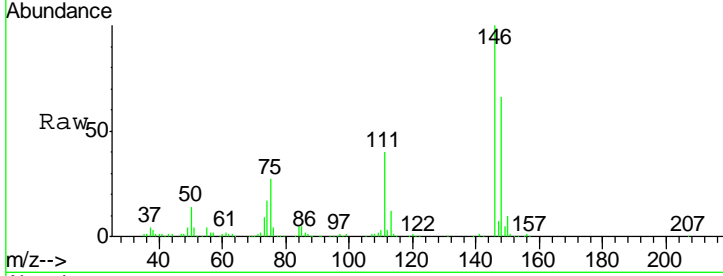


#91
 1,2-Dichlorobenzene
 Concen: 20.069 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS01

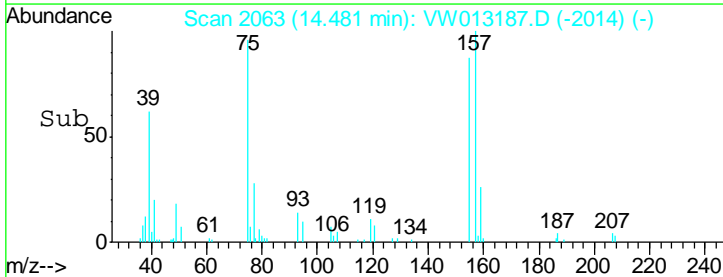
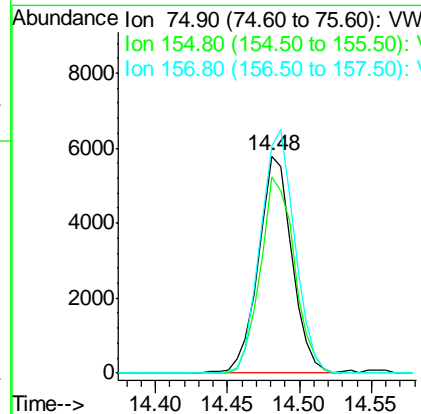
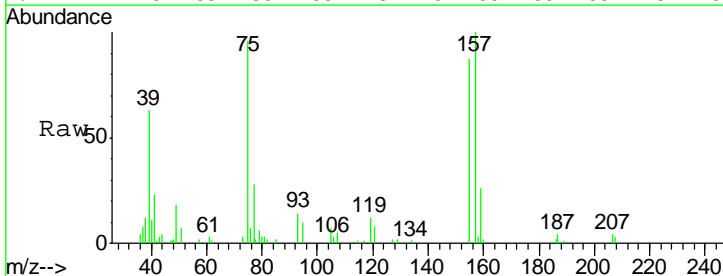
Tgt Ion	Resp	Lower	Upper
146	113897		
146	100		
111	39.8	20.1	60.3
148	63.6	32.0	96.0

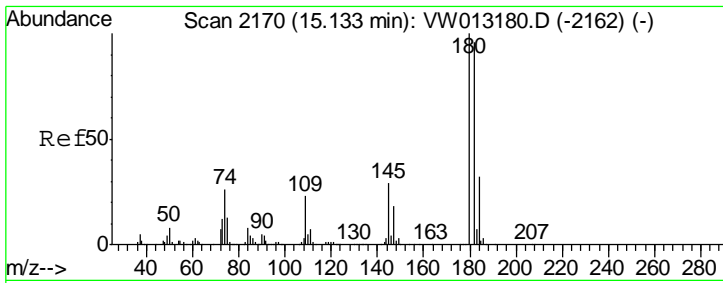
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.272 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

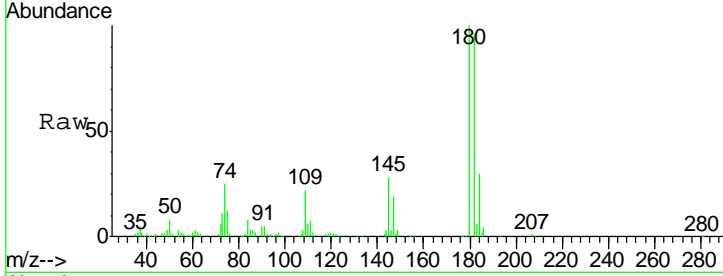
Tgt Ion	Resp	Lower	Upper
75	9299		
75	100		
155	91.6	46.1	138.3
157	114.1	60.4	181.2





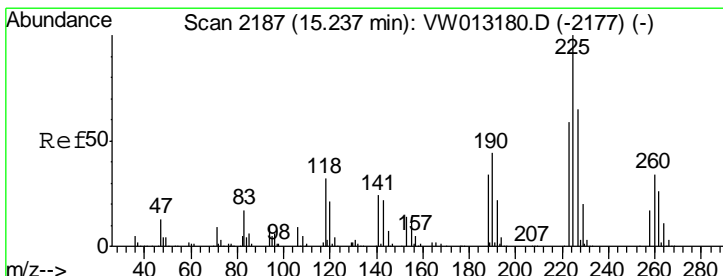
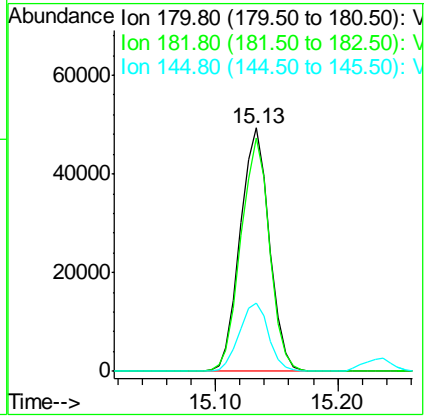
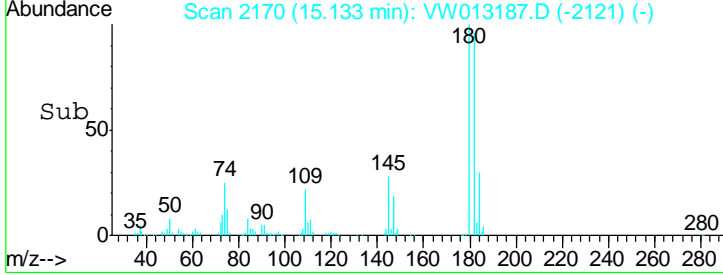
#93
 1,2,4-Trichlorobenzene
 Concen: 20.067 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument : MSVOA_W
 ClientSampled : VW0920SBS01

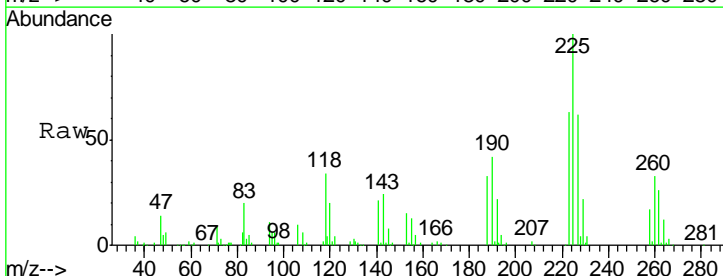


Tgt Ion	Resp	Lower	Upper
180	100		
182	94.2	47.3	142.0
145	28.3	14.2	42.8

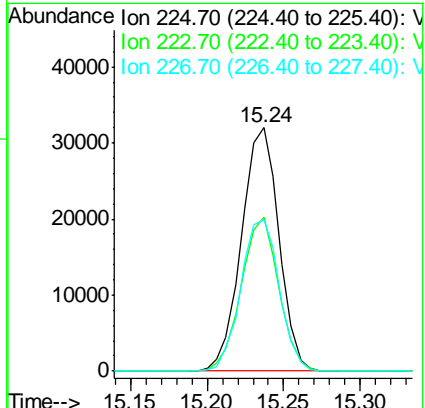
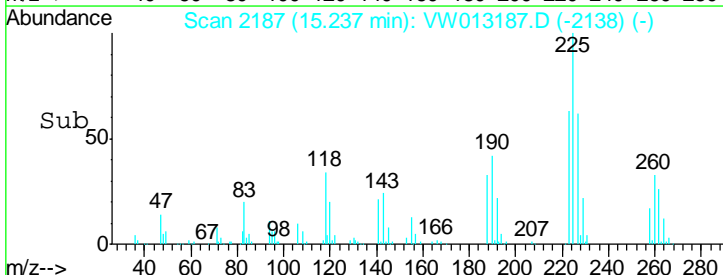
Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:53 AM

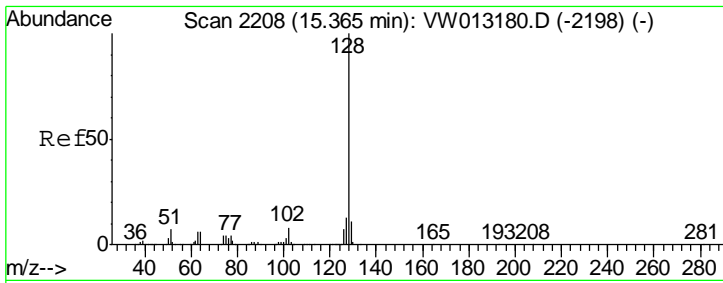


#94
 Hexachlorobutadiene
 Concen: 19.503 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



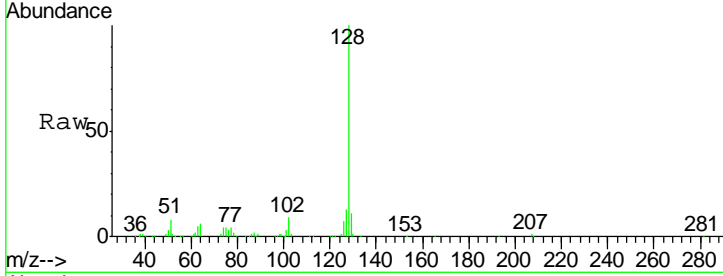
Tgt Ion	Resp	Lower	Upper
225	100		
223	63.4	30.6	91.8
227	64.1	31.9	95.9





#95
 Naphthalene
 Concen: 22.699 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

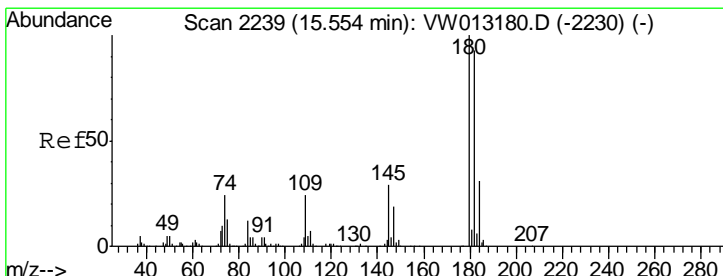
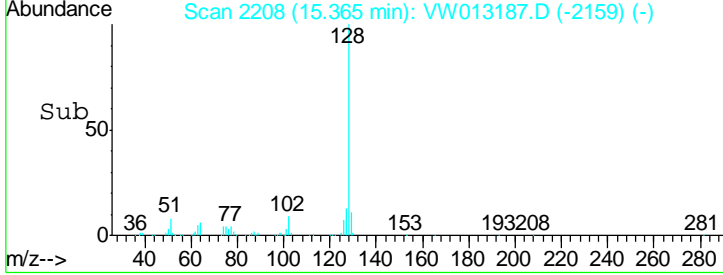
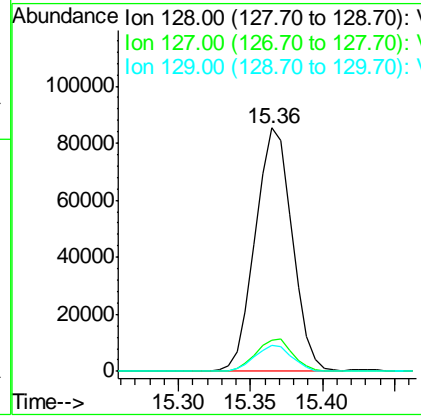
Instrument : MSVOA_W
 Client Sampled : VW0920SBS01



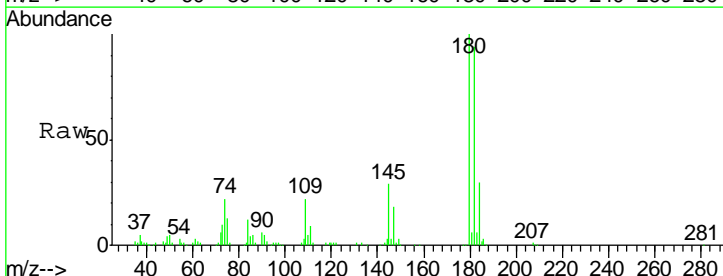
Tgt Ion: 128 Resp: 150976

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:53 AM

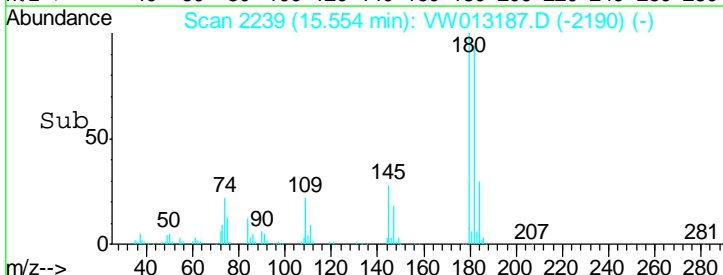
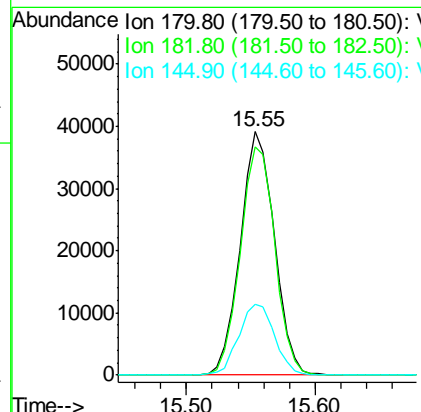


#96
 1,2,3-Trichlorobenzene
 Concen: 20.413 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33



Tgt Ion: 180 Resp: 71730

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	30.5	15.0	45.0





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0919MBS01	SDG No.:	K4888
Lab Sample ID:	VX0919MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012521.D	1		09/19/19 12:27	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1900		90.9	500	ug/Kg
74-87-3	Chloromethane	1900		180	500	ug/Kg
75-01-4	Vinyl Chloride	1900		110	500	ug/Kg
74-83-9	Bromomethane	2400		37.8	500	ug/Kg
75-00-3	Chloroethane	1800		57.5	500	ug/Kg
75-69-4	Trichlorofluoromethane	2000		64.6	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2000		80.1	500	ug/Kg
75-35-4	1,1-Dichloroethene	2000		99.1	500	ug/Kg
67-64-1	Acetone	9000		770	2500	ug/Kg
75-15-0	Carbon Disulfide	1900		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2000		140	500	ug/Kg
79-20-9	Methyl Acetate	1900		280	500	ug/Kg
75-09-2	Methylene Chloride	1900		520	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2000		130	500	ug/Kg
75-34-3	1,1-Dichloroethane	2000		91.0	500	ug/Kg
110-82-7	Cyclohexane	2000		180	500	ug/Kg
78-93-3	2-Butanone	9000		670	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1900		82.5	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2000		98.6	500	ug/Kg
74-97-5	Bromochloromethane	1900		120	500	ug/Kg
67-66-3	Chloroform	2000		86.3	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	2000		110	500	ug/Kg
108-87-2	Methylcyclohexane	2000		120	500	ug/Kg
71-43-2	Benzene	2000		83.9	500	ug/Kg
107-06-2	1,2-Dichloroethane	2000		120	500	ug/Kg
79-01-6	Trichloroethene	2100		93.2	500	ug/Kg
78-87-5	1,2-Dichloropropane	2000		120	500	ug/Kg
75-27-4	Bromodichloromethane	2000		99.3	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9500		560	2500	ug/Kg
108-88-3	Toluene	2100		97.5	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1900		100	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2000		110	500	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0919MBS01	SDG No.:	K4888
Lab Sample ID:	VX0919MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012521.D	1		09/19/19 12:27	VX091919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2000		140	500	ug/Kg
591-78-6	2-Hexanone	9300		740	2500	ug/Kg
124-48-1	Dibromochloromethane	2000		130	500	ug/Kg
106-93-4	1,2-Dibromoethane	2100		130	500	ug/Kg
127-18-4	Tetrachloroethene	2300		69.5	500	ug/Kg
108-90-7	Chlorobenzene	2000		78.8	500	ug/Kg
100-41-4	Ethyl Benzene	2000		85.4	500	ug/Kg
179601-23-1	m/p-Xylenes	4100		170	1000	ug/Kg
95-47-6	o-Xylene	2100		110	500	ug/Kg
100-42-5	Styrene	2100		99.1	500	ug/Kg
75-25-2	Bromoform	1800		330	500	ug/Kg
98-82-8	Isopropylbenzene	2100		86.6	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000		110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		110	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		110	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		130	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1900		330	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		110	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2000		130	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.9		56 - 120	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	47.7		67 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		33 - 141	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	5.65			
540-36-3	1,4-Difluorobenzene	328000	6.85			
3114-55-4	Chlorobenzene-d5	293000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.07			



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0919MBS01	SDG No.:	K4888
Lab Sample ID:	VX0919MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012521.D	1		09/19/19 12:27	VX091919

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012521.D
 Acq On : 19 Sep 2019 12:27
 Operator : JC/SP
 Sample : VX0919MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX0919MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:03 AM

Quant Time: Sep 20 05:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	198058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	327788	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	139559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	130422	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	5.48	113	95493	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	8.71	98	350300	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.13	95	138743	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	24637	18.890	ug/l 99
3) Chloromethane	1.32	50	20605	18.923	ug/l 95
4) Vinyl Chloride	1.40	62	22922	19.477	ug/l 99
5) Bromomethane	1.63	94	11186	24.193	ug/l 93
6) Chloroethane	1.72	64	16718	18.153	ug/l 98
7) Trichlorofluoromethane	1.92	101	44149	20.464	ug/l 100
8) Diethyl Ether	2.18	74	18064	18.538	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	31038	19.884	ug/l 98
10) Methyl Iodide	2.50	142	21909	19.345	ug/l 96
11) Tert butyl alcohol	3.03	59	63643	84.526	ug/l 100
12) 1,1-Dichloroethene	2.36	96	24520	19.692	ug/l 98
13) Acrolein	2.28	56	16470	64.832	ug/l 96
14) Allyl chloride	2.72	41	55791	19.245	ug/l 99
15) Acrylonitrile	3.13	53	116352	94.591	ug/l 100
16) Acetone	2.43	43	123906	90.452	ug/l 99
17) Carbon Disulfide	2.56	76	30618	18.565	ug/l 100
18) Methyl Acetate	2.76	43	57630	19.484	ug/l 100
19) Methyl tert-butyl Ether	3.18	73	132460	19.510	ug/l 98
20) Methylene Chloride	2.84	84	33484	19.491	ug/l 97
21) trans-1,2-Dichloroethene	3.15	96	25279	19.550	ug/l 94
22) Diisopropyl ether	3.84	45	130306	19.197	ug/l 99
23) Vinyl Acetate	3.80	43	542438	97.147	ug/l 99
24) 1,1-Dichloroethane	3.69	63	66150	20.368	ug/l 98
25) 2-Butanone	4.66	43	176674	89.727	ug/l 99
26) 2,2-Dichloropropane	4.57	77	59195	18.533	ug/l 97
27) cis-1,2-Dichloroethene	4.58	96	38083	19.716	ug/l 99
28) Bromochloromethane	5.00	49	31703	18.935	ug/l 96
29) Tetrahydrofuran	5.11	42	103556	95.201	ug/l 99
30) Chloroform	5.20	83	72755	19.506	ug/l 99
31) Cyclohexane	5.57	56	40131	20.470	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	61041	19.581	ug/l 100
36) 1,1-Dichloropropene	5.79	75	38524	19.338	ug/l 96
37) Ethyl Acetate	4.82	43	60303	19.720	ug/l 99
38) Carbon Tetrachloride	5.77	117	47938	19.348	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012521.D
 Acq On : 19 Sep 2019 12:27
 Operator : JC/SP
 Sample : VX0919MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:03 AM

Quant Time: Sep 20 05:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	39398	20.344	ug/l	97
40) Benzene	6.13	78	129801	20.490	ug/l	100
41) Methacrylonitrile	5.03	41	37411	19.000	ug/l	97
42) 1,2-Dichloroethane	6.18	62	57728	19.647	ug/l	100
43) Isopropyl Acetate	6.43	43	104855	19.105	ug/l	99
44) Trichloroethene	7.21	130	34811	20.890	ug/l	98
45) 1,2-Dichloropropane	7.51	63	38031	19.541	ug/l	100
46) Dibromomethane	7.65	93	25394	20.163	ug/l	97
47) Bromodichloromethane	7.89	83	55311	19.724	ug/l	97
48) Methyl methacrylate	7.76	41	48338	18.684	ug/l	97
49) 1,4-Dioxane	7.73	88	22228	353.007	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	343699	95.491	ug/l	99
52) Toluene	8.78	92	84340	20.661	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	56039	19.224	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	59843	19.829	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41575	19.769	ug/l	98
56) Ethyl methacrylate	9.17	69	64135	19.505	ug/l	99
57) 1,3-Dichloropropane	9.37	76	67880	20.230	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	177850	104.492	ug/l	98
59) 2-Hexanone	9.48	43	262090	93.336	ug/l	99
60) Dibromochloromethane	9.57	129	42514	19.846	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39982	20.816	ug/l	100
64) Tetrachloroethene	9.33	164	30832	22.956	ug/l	95
65) Chlorobenzene	10.14	112	98113	20.281	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	41489	20.665	ug/l	98
67) Ethyl Benzene	10.24	91	168482	20.271	ug/l	99
68) m/p-Xylenes	10.35	106	124478	41.162	ug/l	99
69) o-Xylene	10.70	106	64522	20.747	ug/l	100
70) Styrene	10.71	104	113602	20.645	ug/l	99
71) Bromoform	10.85	173	28212	18.253	ug/l #	97
73) Isopropylbenzene	11.01	105	180830	20.651	ug/l	99
74) N-amyl acetate	10.89	43	89824	19.053	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	67095	19.533	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	64458m	20.107	ug/l	
77) Bromobenzene	11.25	156	44001	20.604	ug/l	99
78) n-propylbenzene	11.35	91	195219	20.003	ug/l	98
79) 2-Chlorotoluene	11.42	91	126737	19.961	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	154062	20.630	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	18639	18.069	ug/l	89
82) 4-Chlorotoluene	11.51	91	145955	20.030	ug/l	99
83) tert-Butylbenzene	11.76	119	156037	19.499	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	156443	20.403	ug/l	98
85) sec-Butylbenzene	11.94	105	175570	19.911	ug/l	100
86) p-Isopropyltoluene	12.06	119	160054	19.767	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	81532	20.296	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	82980	20.109	ug/l	98
89) n-Butylbenzene	12.38	91	134743	18.651	ug/l	99
90) Hexachloroethane	12.59	117	27548	18.555	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	84634	20.157	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16638	18.683	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012521.D
 Acq On : 19 Sep 2019 12:27
 Operator : JC/SP
 Sample : VX0919MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:03 AM

Quant Time: Sep 20 05:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	51507	19.045	µg/l	97
94) Hexachlorobutadiene	13.78	225	23152	18.164	µg/l	99
95) Naphthalene	13.83	128	191684	19.920	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	54925	19.930	µg/l	99

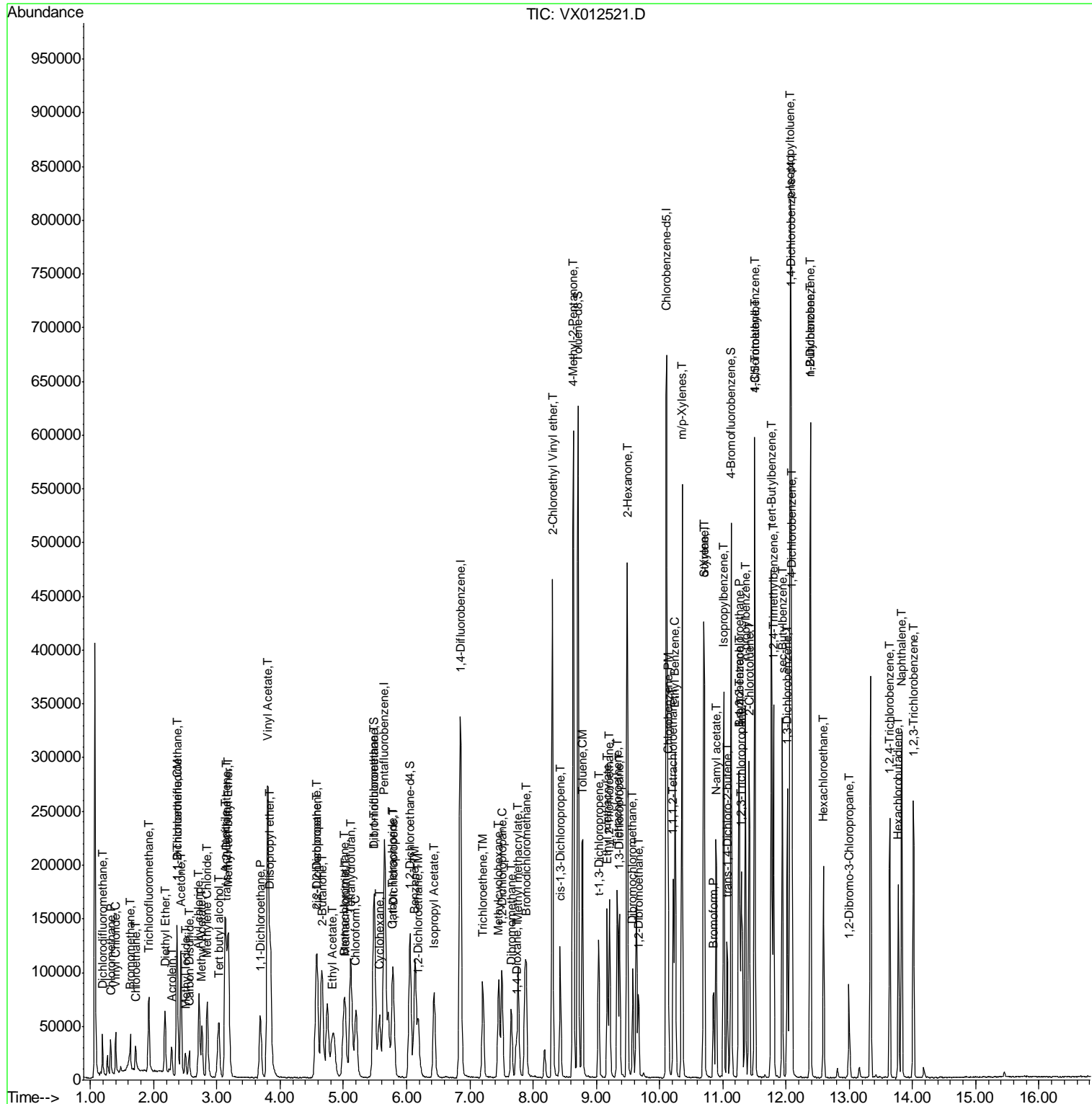
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012521.D
 Acq On : 19 Sep 2019 12:27
 Operator : JC/SP
 Sample : VX0919MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

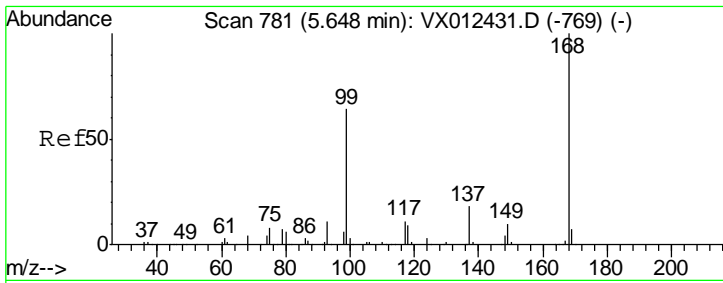
Instrument :
 MSVOA_X
 Client Sample Id :
 VX0919MBS01

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Quant Time: Sep 20 05:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration



- 1
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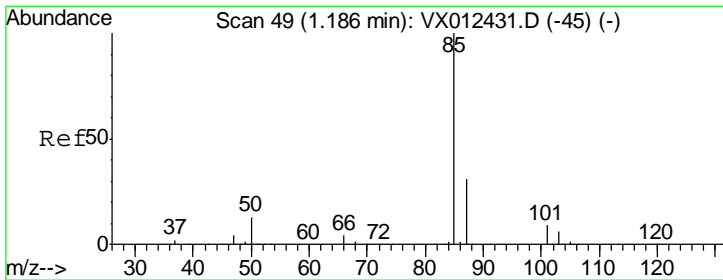
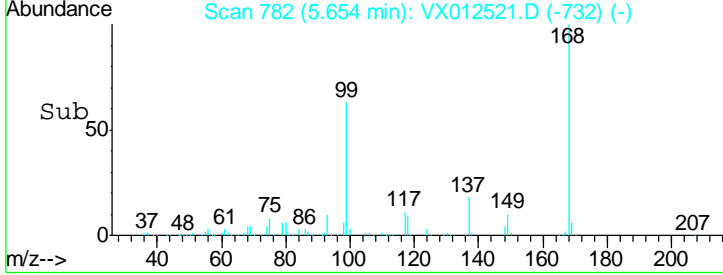
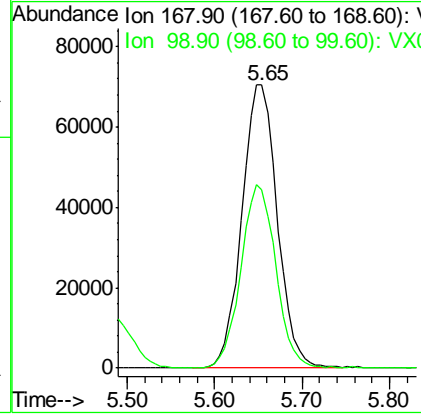
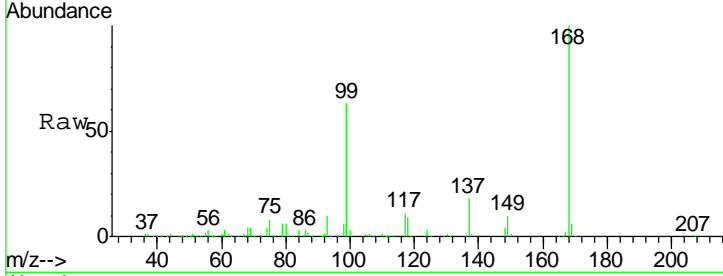


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
168	100		
99	62.9	51.4	77.2

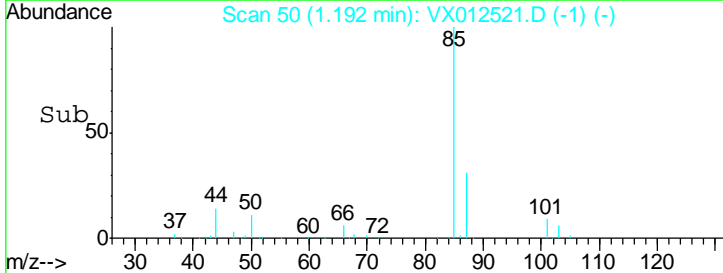
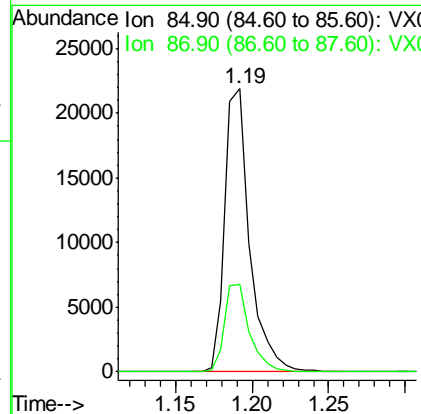
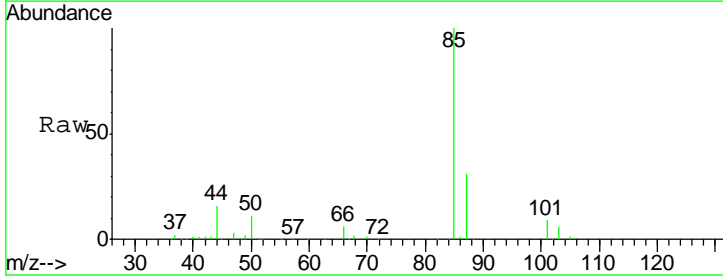
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

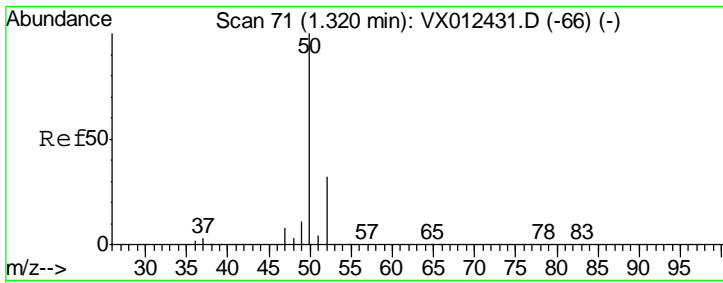
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#2
 Dichlorodifluoromethane
 Concen: 18.890 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.7	15.6	46.8



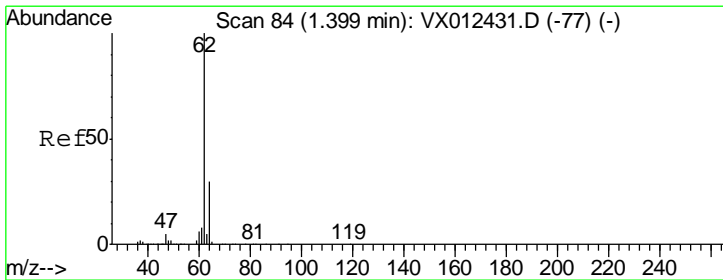
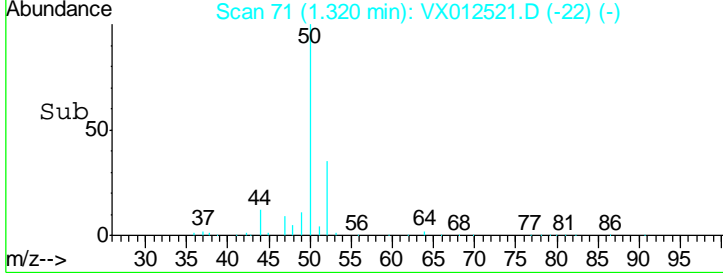
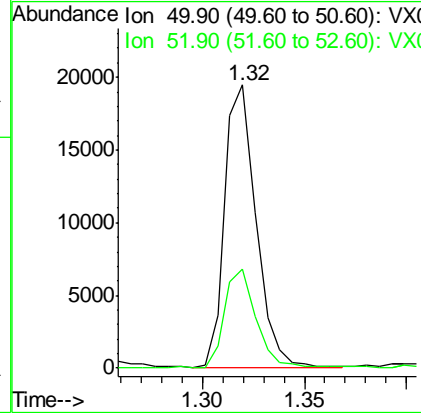
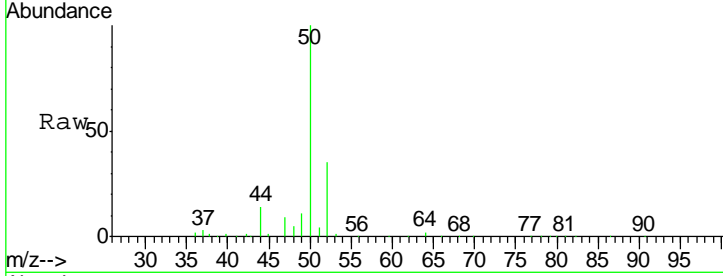


#3
 Chloromethane
 Concen: 18.923 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
50	100		
52	34.7	25.7	38.5

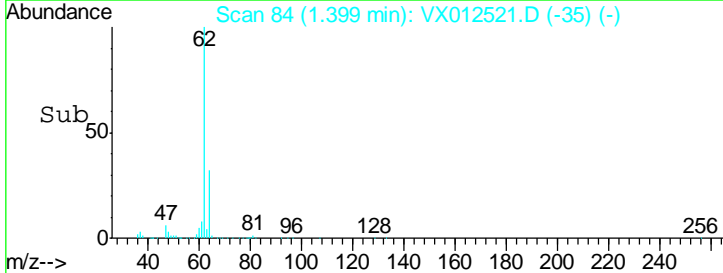
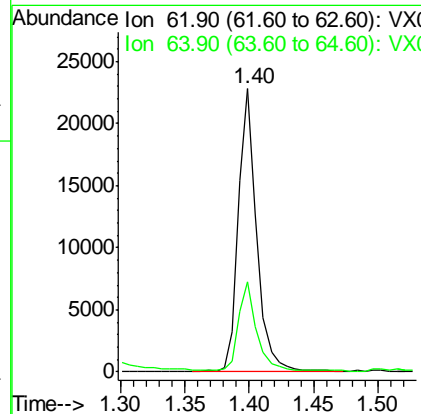
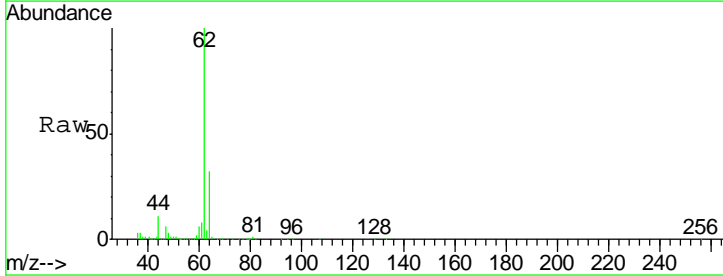
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

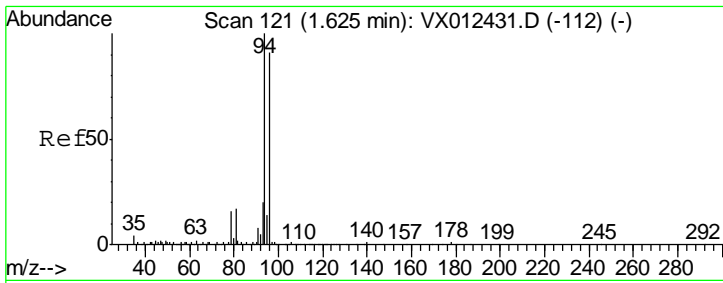
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#4
 Vinyl Chloride
 Concen: 19.477 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
62	100		
64	30.9	24.2	36.2



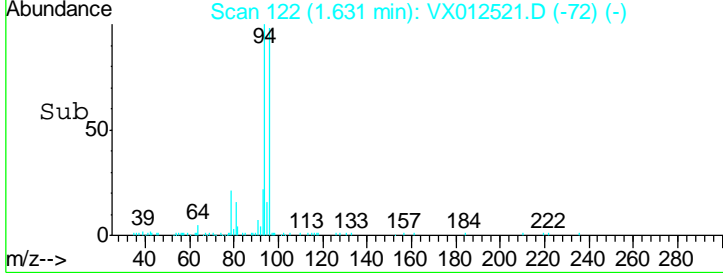
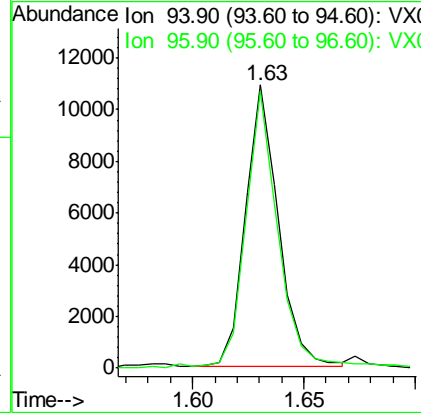
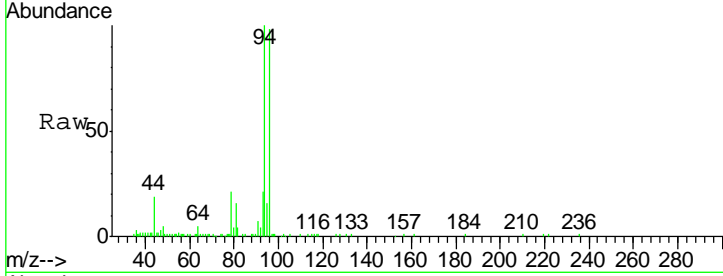


#5
 Bromomethane
 Concen: 24.193 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
94	11186		
94	100		
96	98.0	72.8	109.2

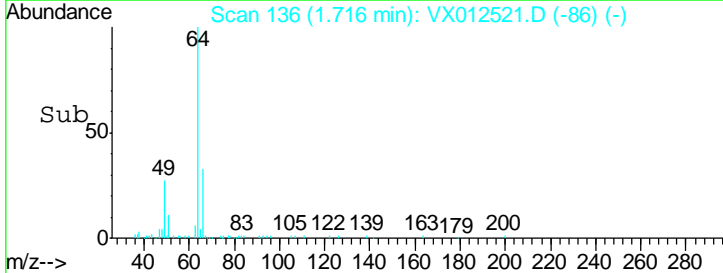
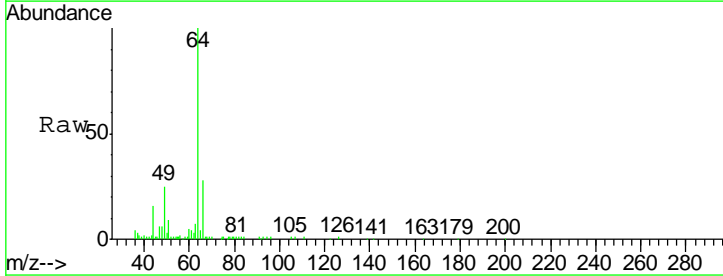
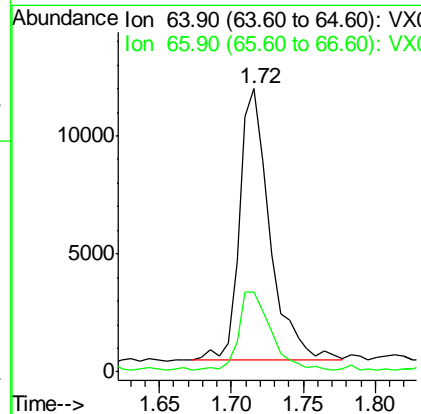
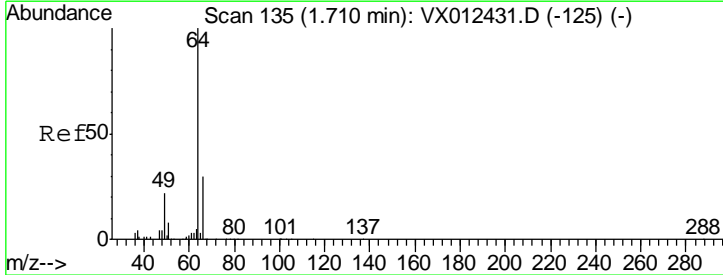
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

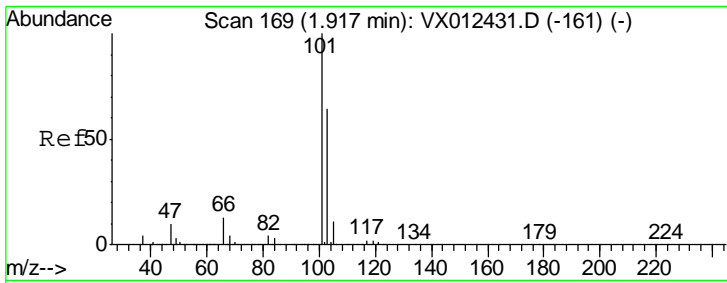
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#6
 Chloroethane
 Concen: 18.153 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

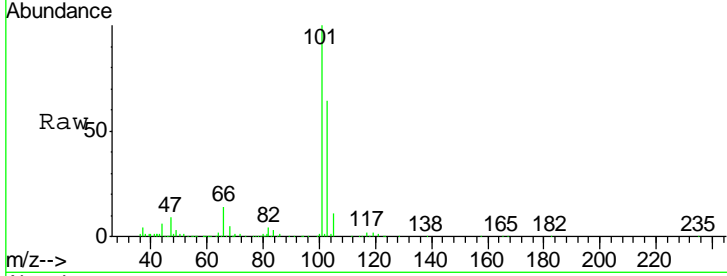
Tgt Ion	Resp	Lower	Upper
64	16718		
64	100		
66	28.7	24.0	36.0





#7
 Trichlorofluoromethane
 Concen: 20.464 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

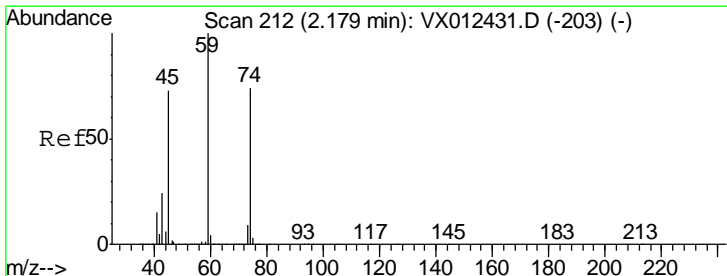
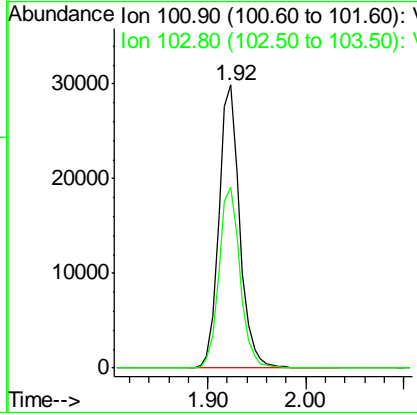
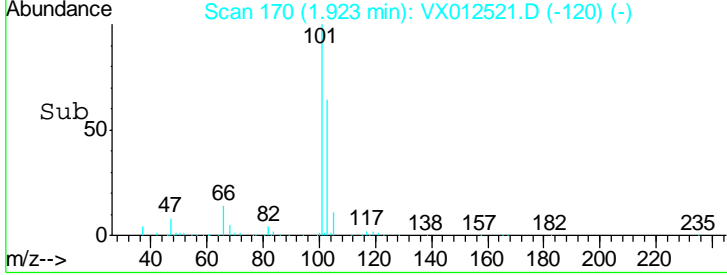
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01



Tgt Ion: 101 Resp: 44149

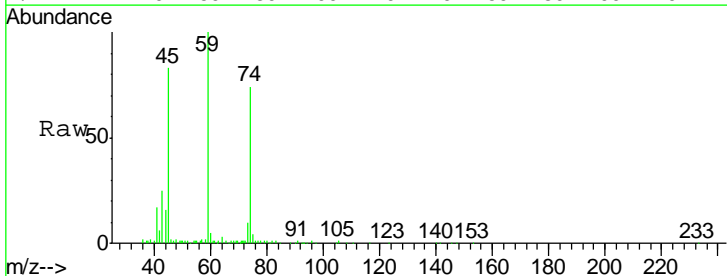
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.0	76.4

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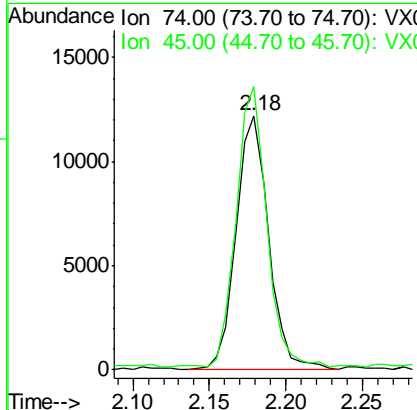
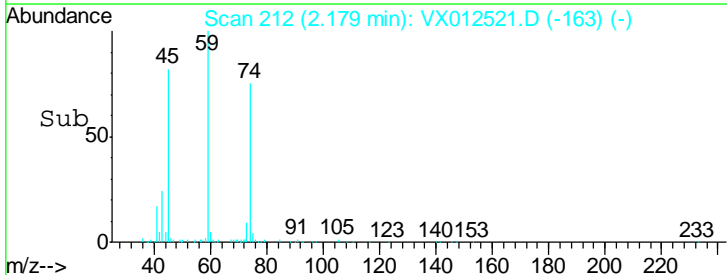
#8
 Diethyl Ether
 Concen: 18.538 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

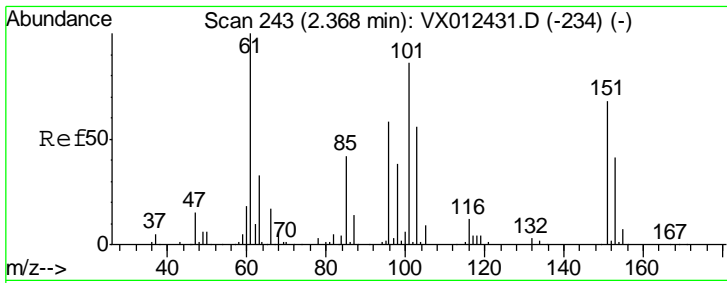
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01



Tgt Ion: 74 Resp: 18064

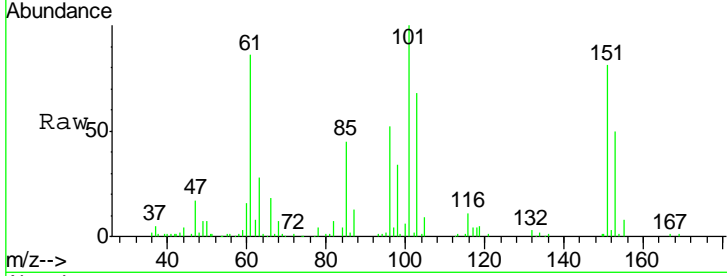
Ion	Ratio	Lower	Upper
74	100		
45	102.7	49.9	149.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.884 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

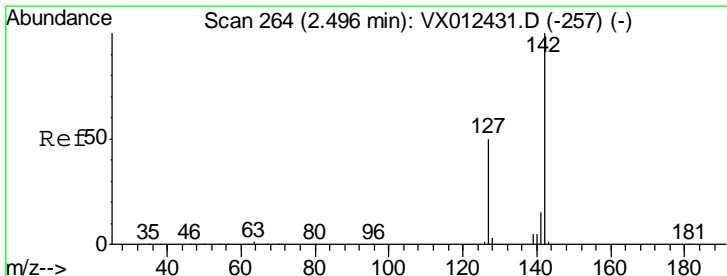
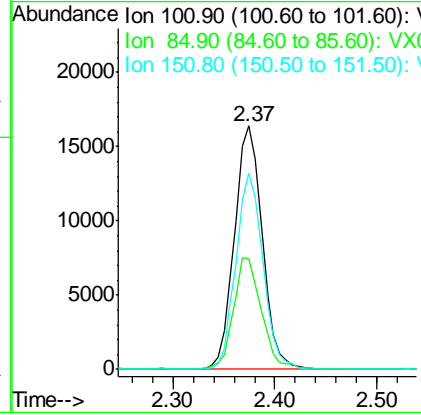
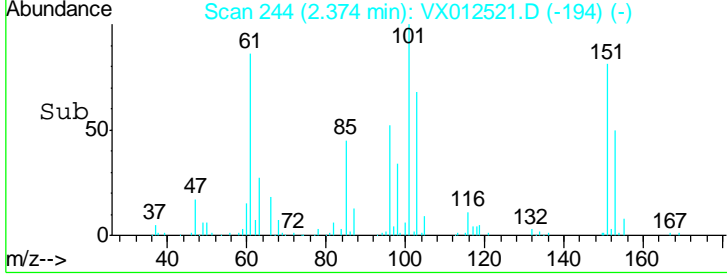
Instrument :
 MSVOA_X
 ClientSampled :
 VX0919MBS01



Tgt Ion: 101 Resp: 31038

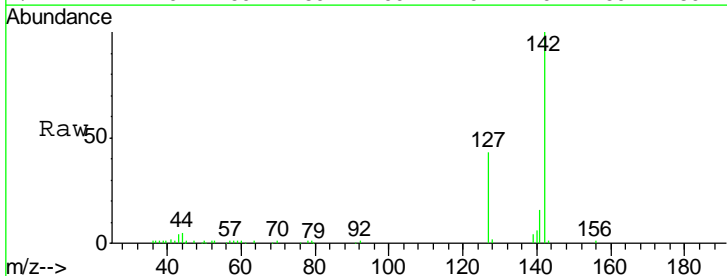
Ion	Ratio	Lower	Upper
101	100		
85	45.9	37.3	55.9
151	78.4	61.0	91.4

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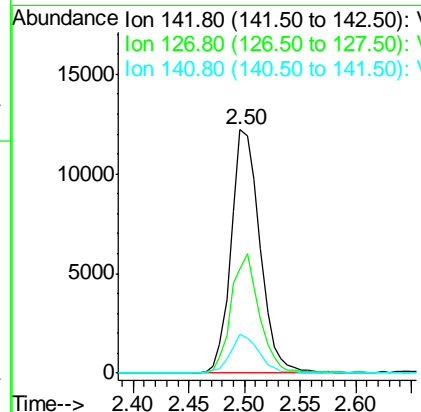
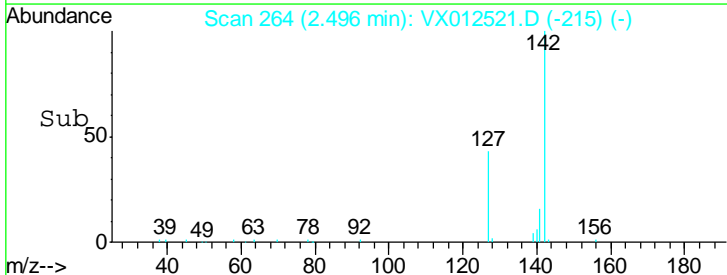
#10
 Methyl Iodide
 Concen: 19.345 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

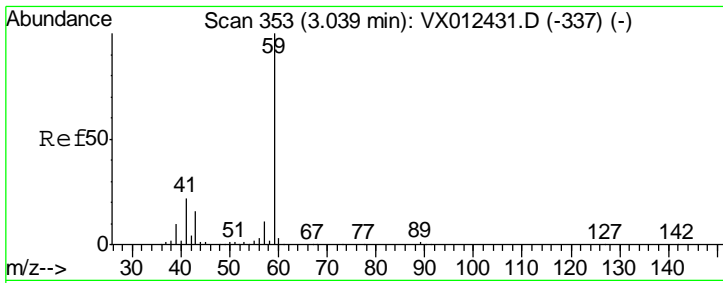
Instrument :
 MSVOA_X
 ClientSampled :
 VX0919MBS01



Tgt Ion: 142 Resp: 21909

Ion	Ratio	Lower	Upper
142	100		
127	47.9	40.8	61.2
141	15.6	12.1	18.1



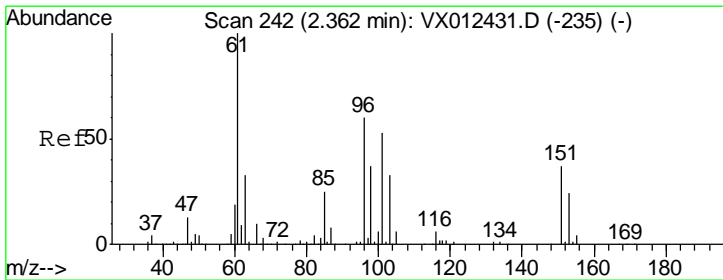
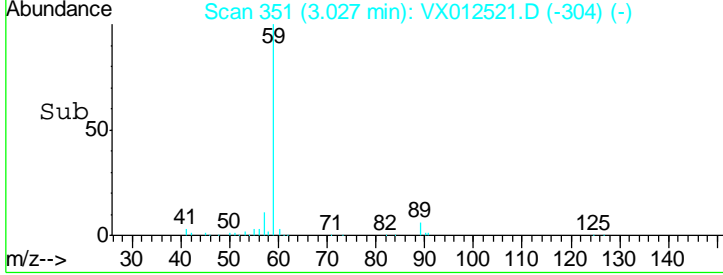
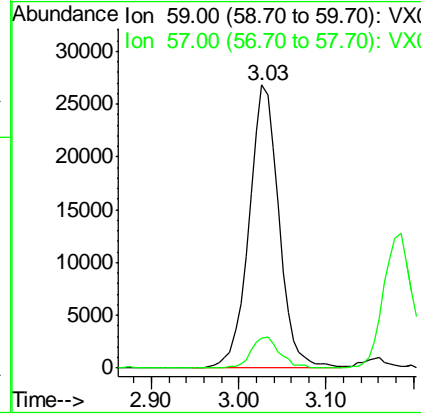
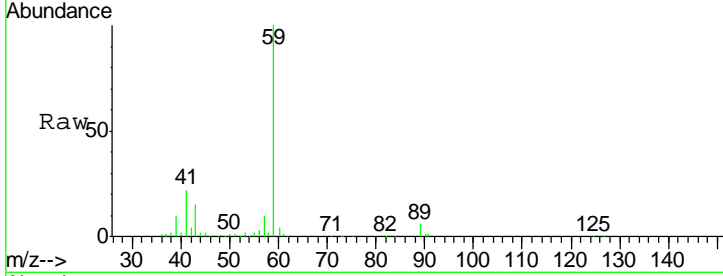


#11
 Tert butyl alcohol
 Concen: 84.526 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.5	8.3	12.5

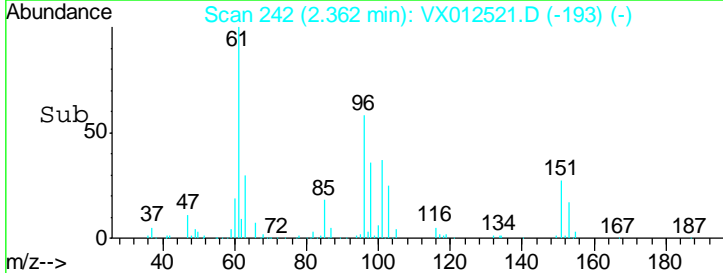
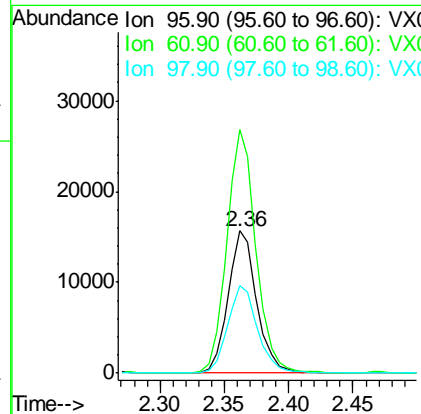
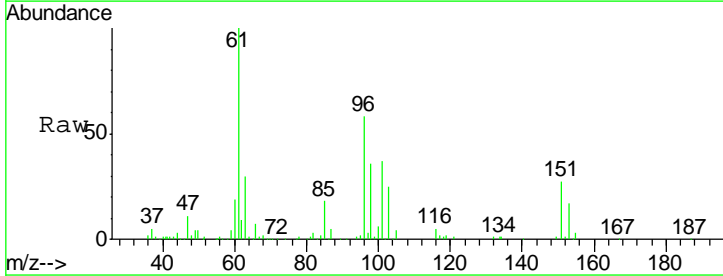
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

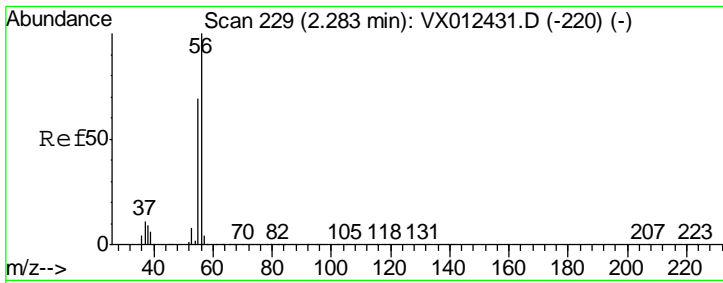
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#12
 1,1-Dichloroethene
 Concen: 19.692 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
96	100		
61	170.9	133.8	200.6
98	61.3	49.9	74.9



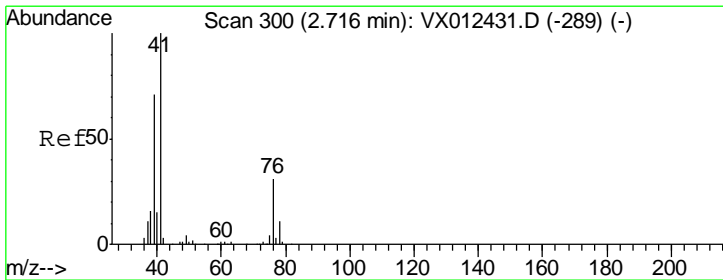
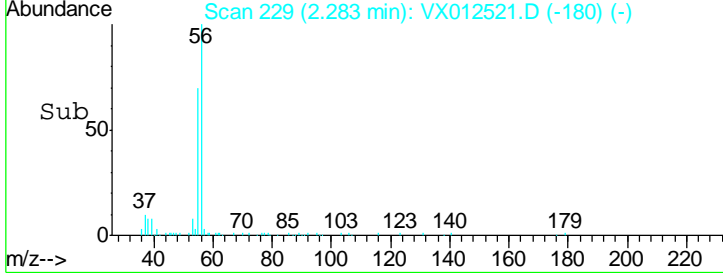
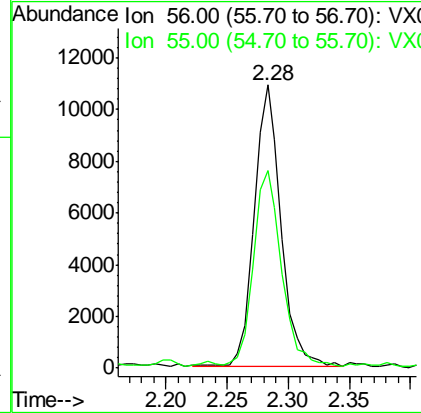
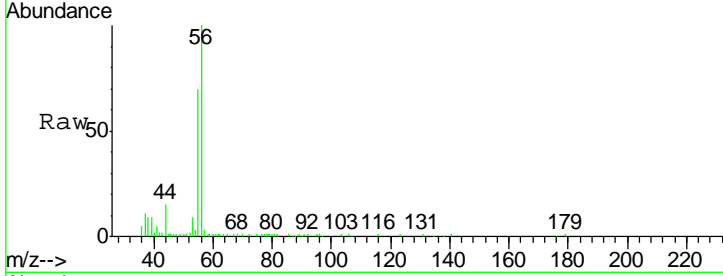


#13
 Acrolein
 Concen: 64.832 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
56	100		
55	73.4	55.8	83.8

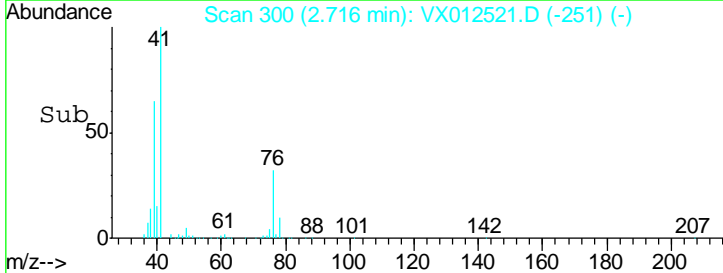
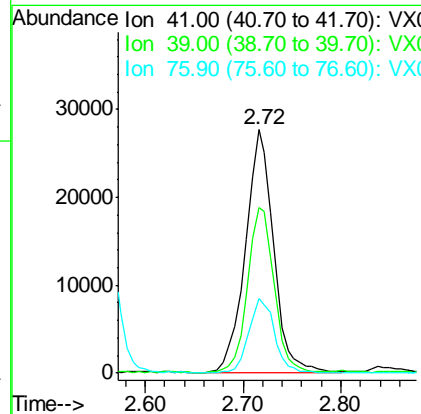
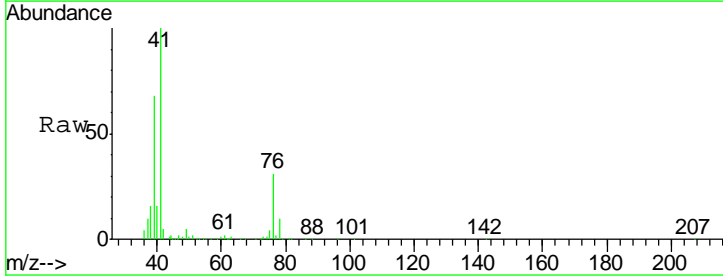
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

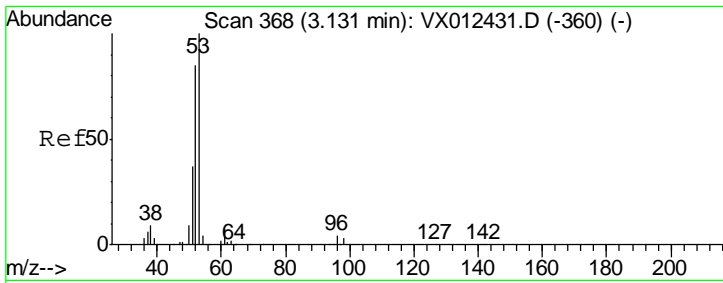
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#14
 Allyl chloride
 Concen: 19.245 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
41	100		
39	63.1	51.3	76.9
76	27.8	22.6	33.8



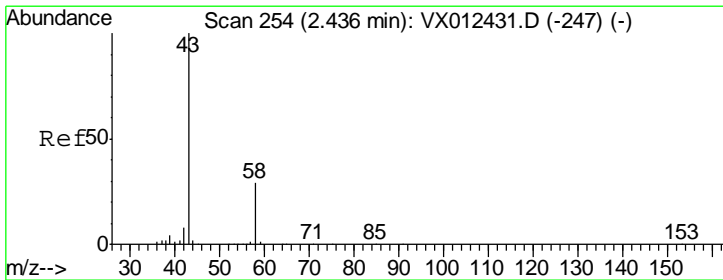
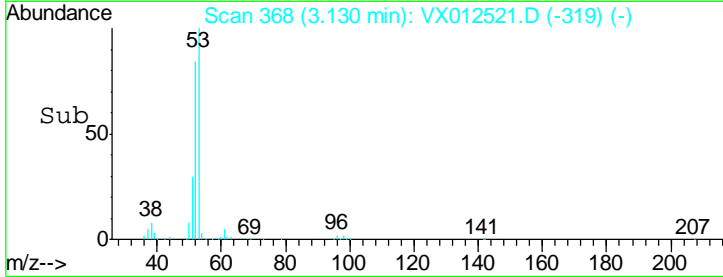
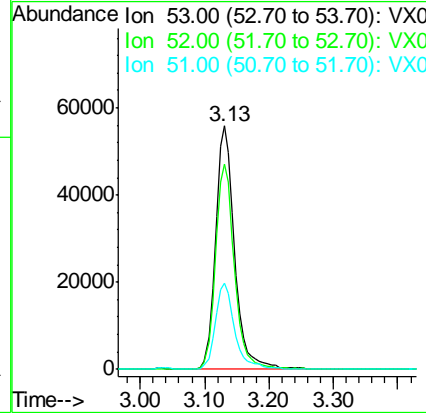
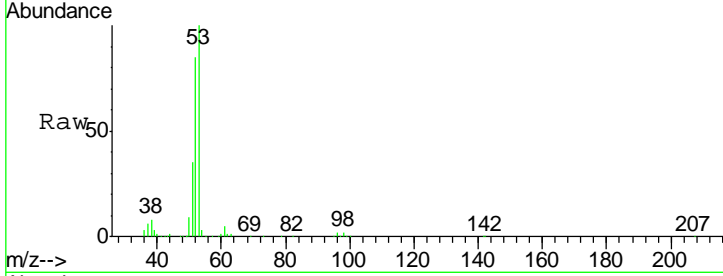


#15
 Acrylonitrile
 Concen: 94.591 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
53	116352		
52	83.8	67.0	100.4
51	36.3	29.6	44.4

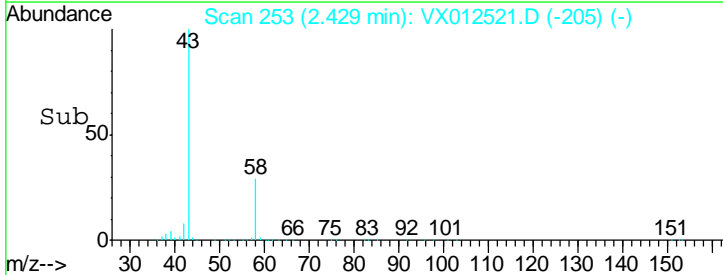
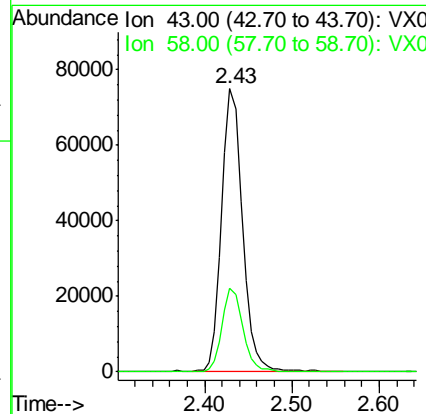
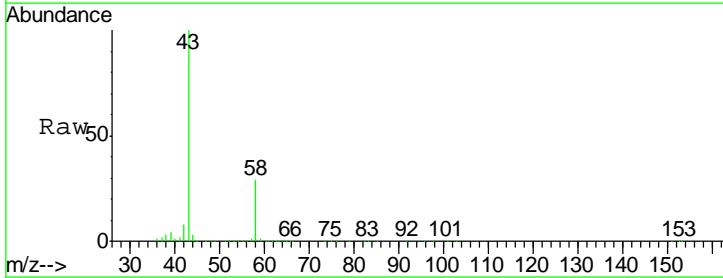
Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

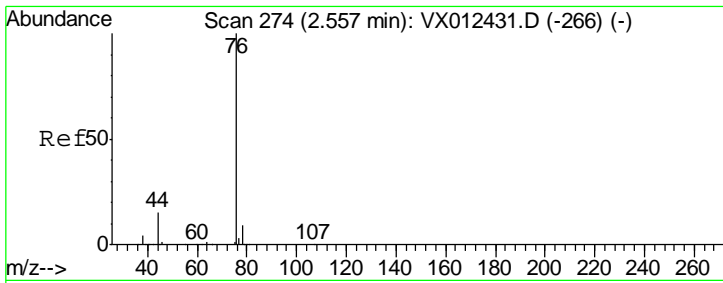
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#16
 Acetone
 Concen: 90.452 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
43	123906		
58	29.4	23.3	34.9



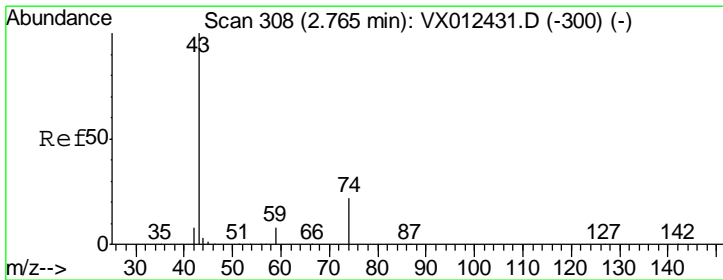
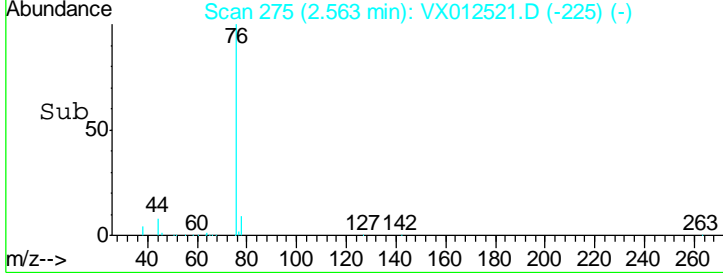
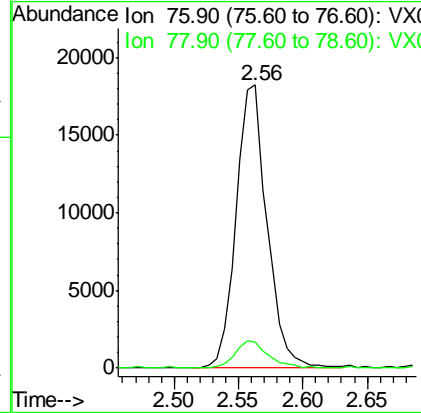
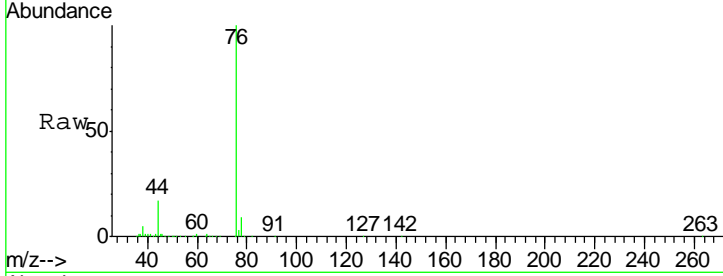


#17
 Carbon Disulfide
 Concen: 18.565 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
76	30618		
76	100		
78	9.2	7.3	10.9

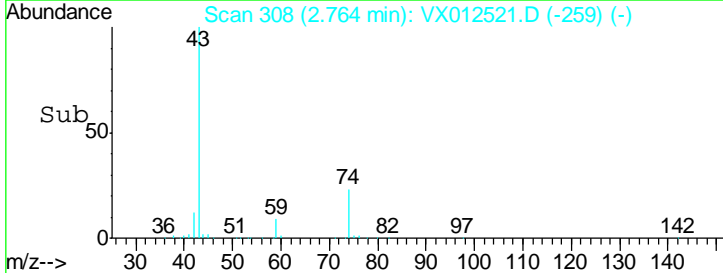
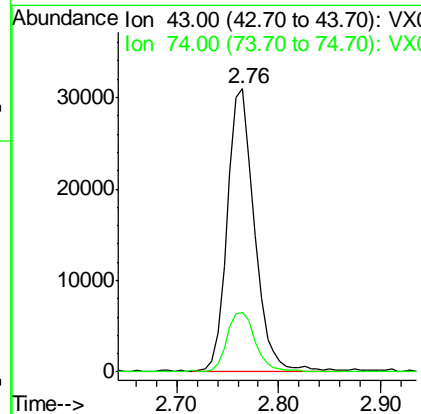
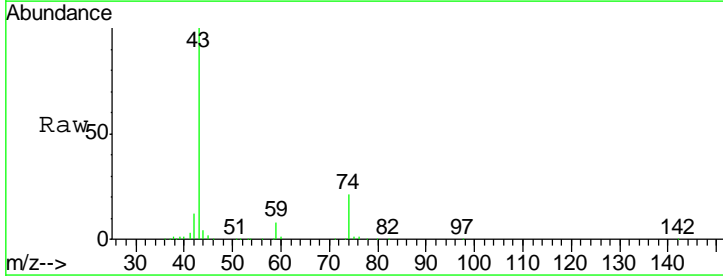
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

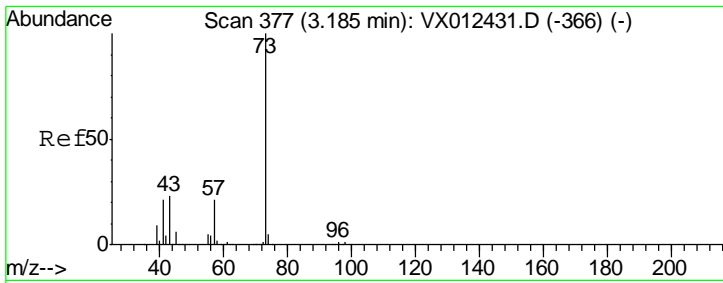
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#18
 Methyl Acetate
 Concen: 19.484 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
43	57630		
43	100		
74	22.2	17.7	26.5



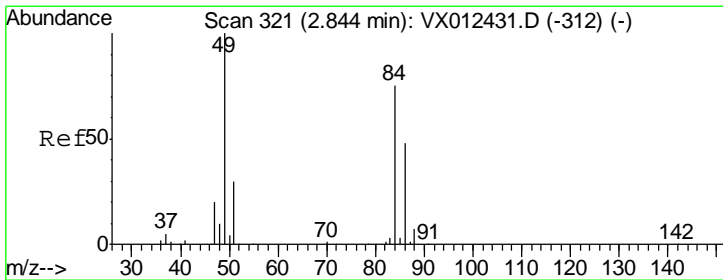
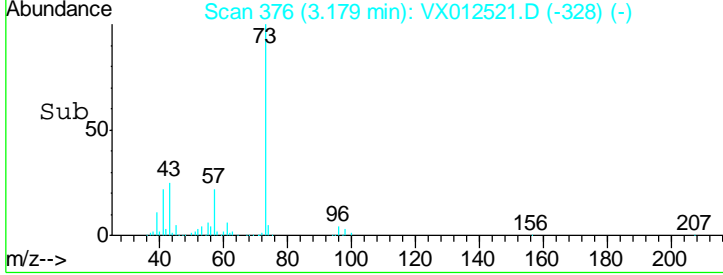
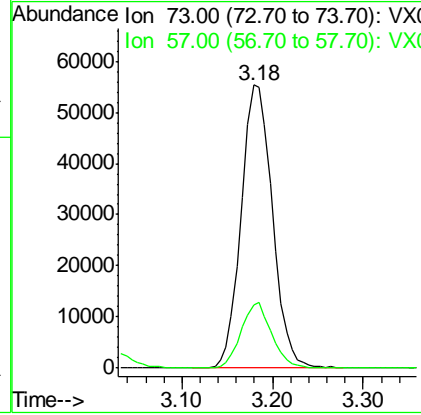
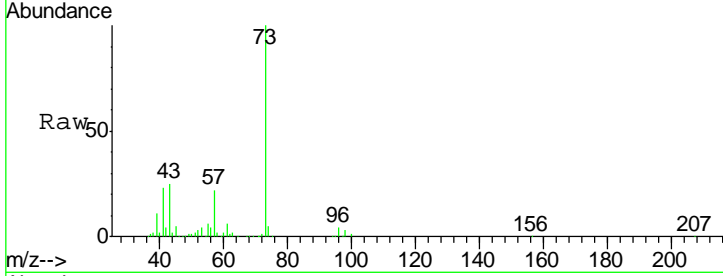


#19
 Methyl tert-butyl Ether
 Concen: 19.510 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
73	132460		
57	22.1	16.8	25.2

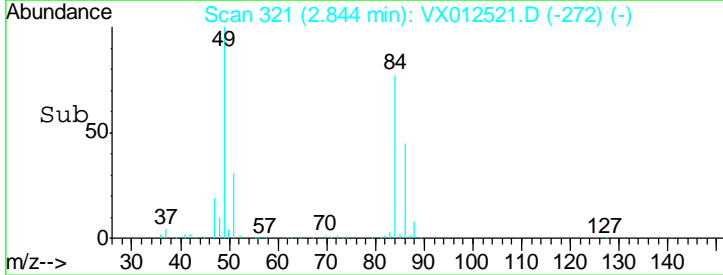
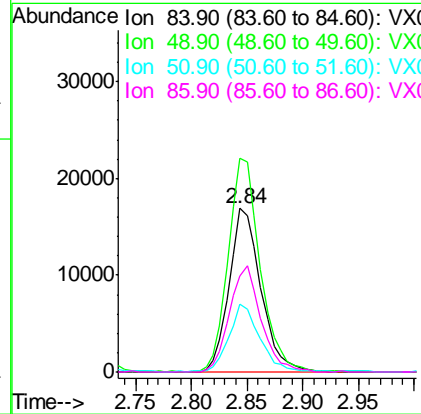
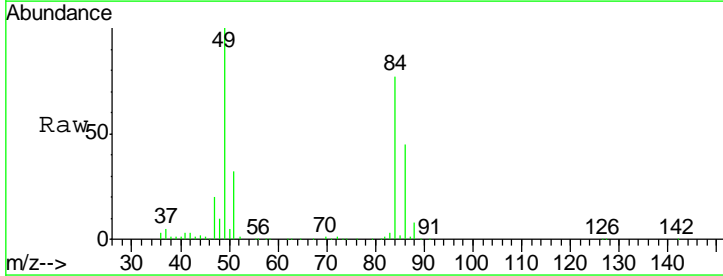
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

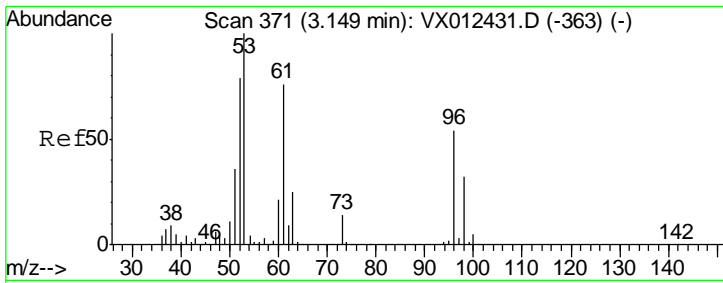
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#20
 Methylene Chloride
 Concen: 19.491 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

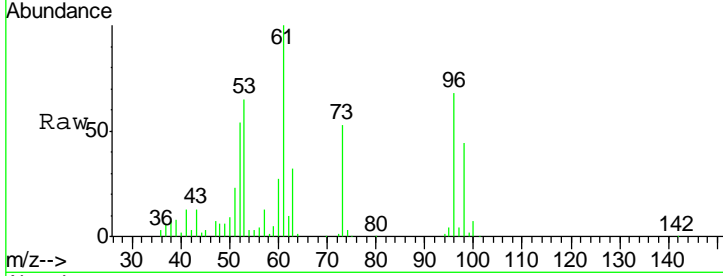
Tgt Ion	Resp	Lower	Upper
84	33484		
49	130.5	106.8	160.2
51	40.8	32.3	48.5
86	58.5	51.3	76.9





#21
 trans-1,2-Dichloroethene
 Concen: 19.550 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

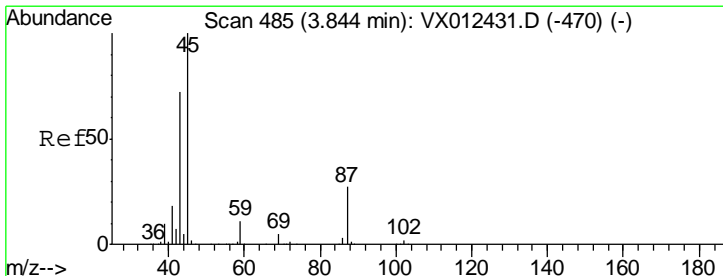
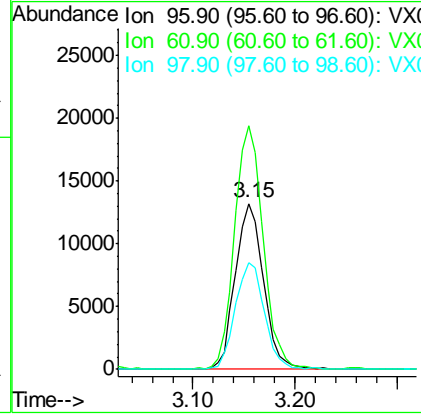
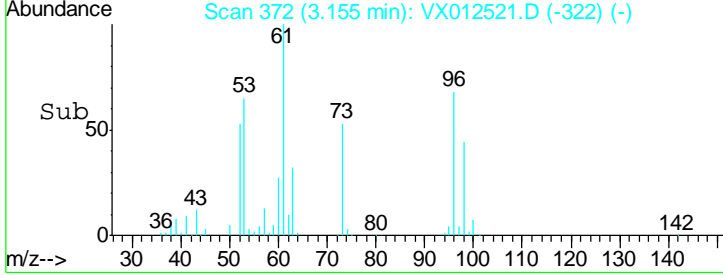
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01



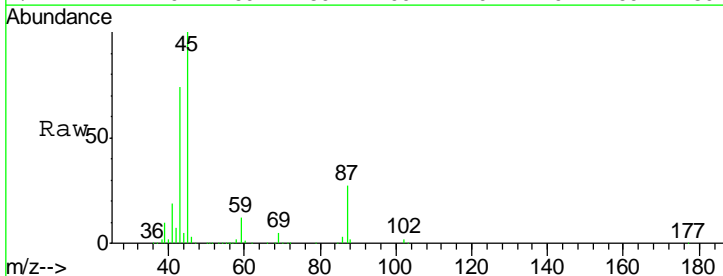
Tgt Ion: 96 Resp: 25279

Ion	Ratio	Lower	Upper
96	100		
61	146.6	112.0	168.0
98	64.2	47.8	71.8

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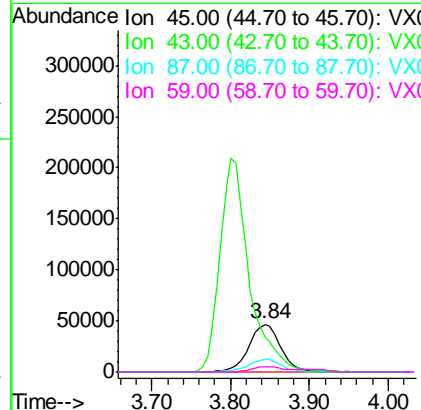
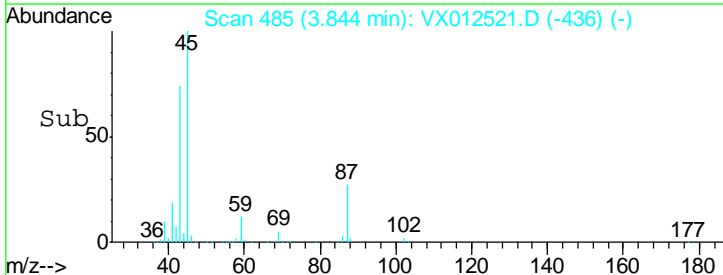


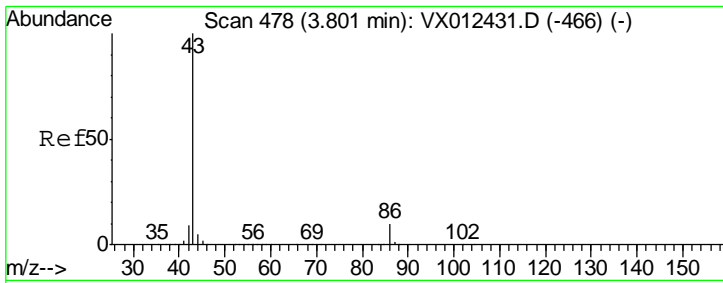
#22
 Diisopropyl ether
 Concen: 19.197 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27



Tgt Ion: 45 Resp: 130306

Ion	Ratio	Lower	Upper
45	100		
43	73.2	57.8	86.8
87	27.3	21.3	31.9
59	12.1	8.5	12.7



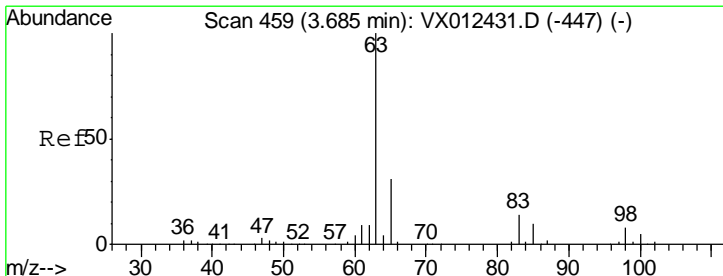
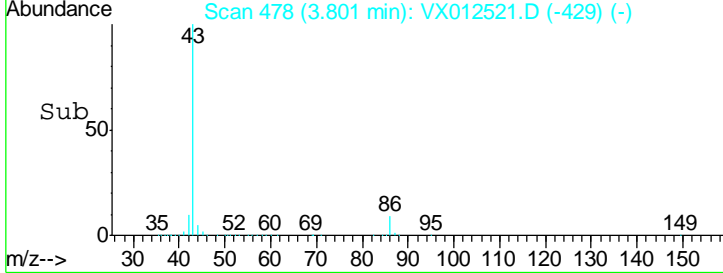
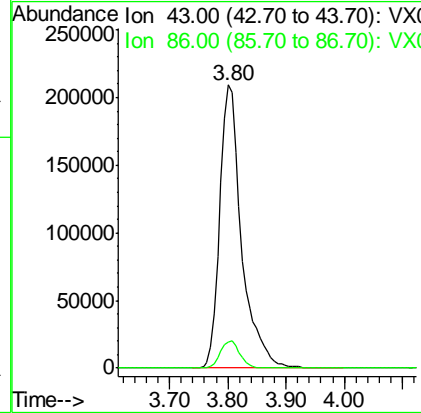
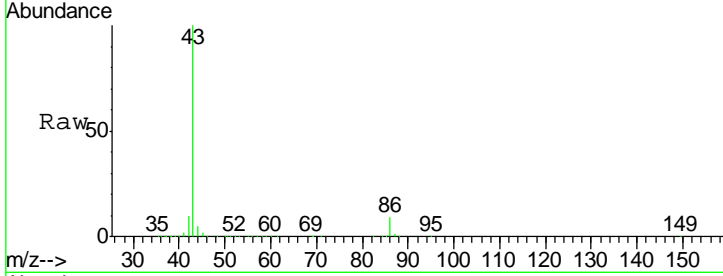


#23
 Vinyl Acetate
 Concen: 97.147 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
43	100		
86	9.4	7.8	11.8

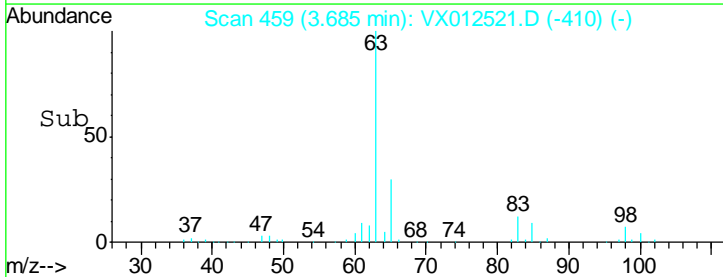
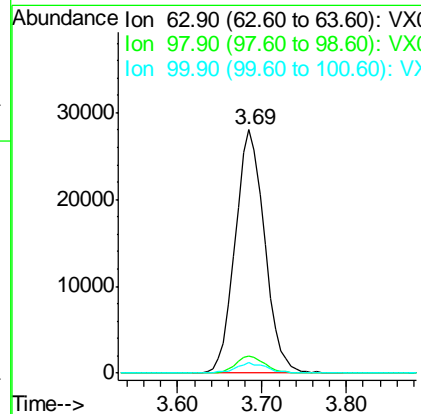
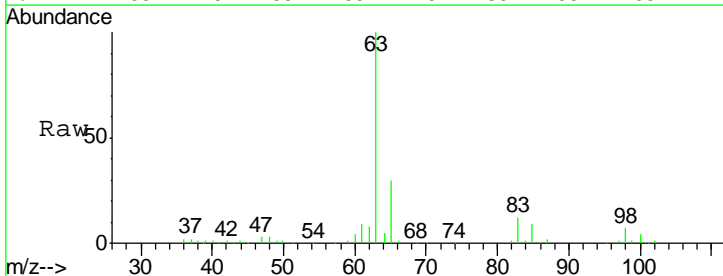
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

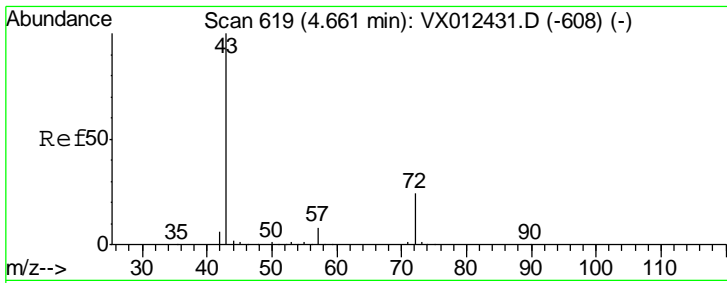
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#24
 1,1-Dichloroethane
 Concen: 20.368 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.7	3.9	11.7
100	4.5	2.3	6.9



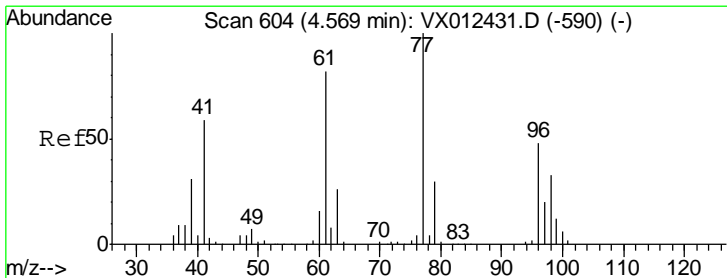
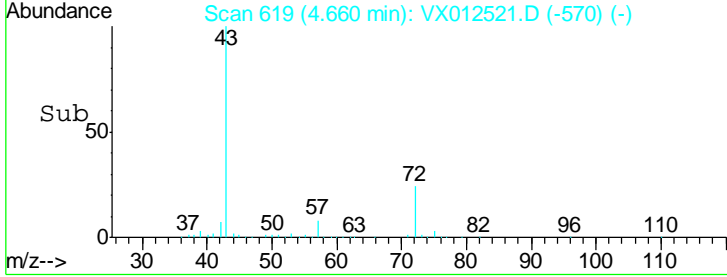
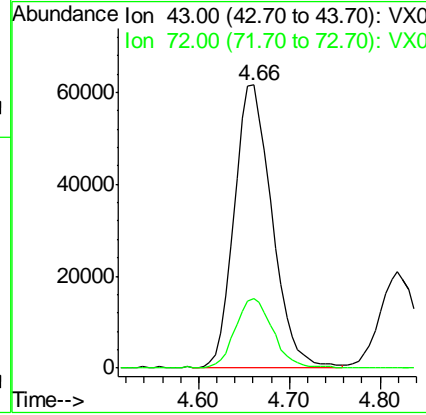
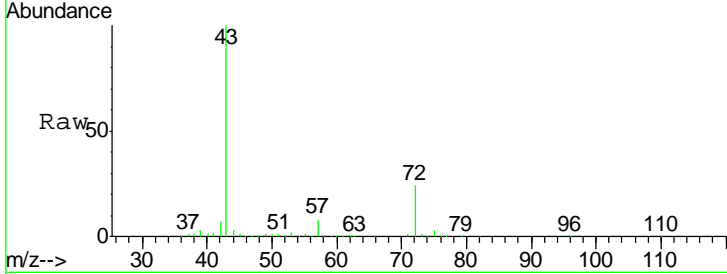


#25
 2-Butanone
 Concen: 89.727 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
43	176674	100	
72	24.3	19.2	28.8

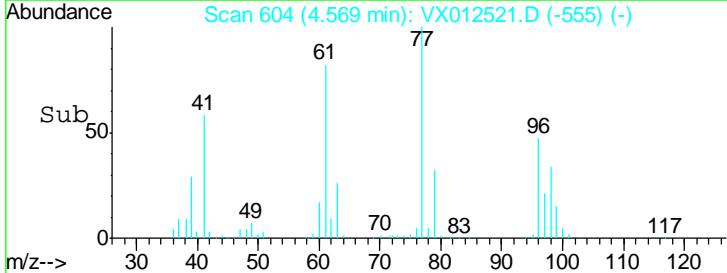
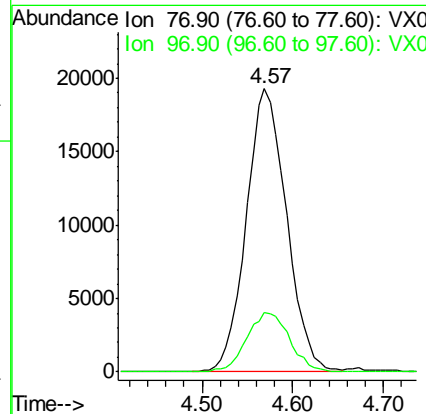
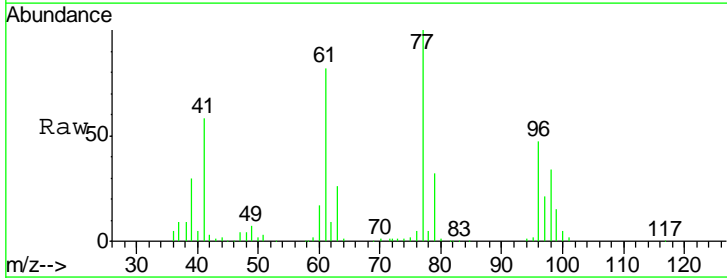
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

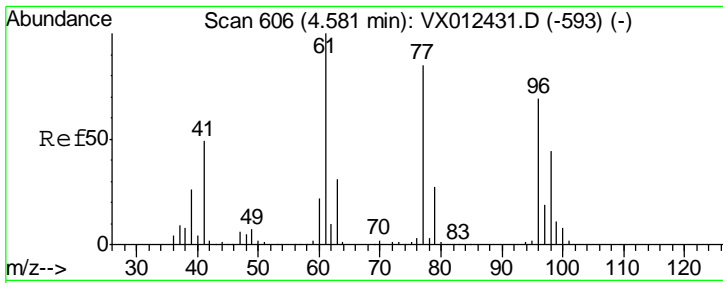
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#26
 2,2-Dichloropropane
 Concen: 18.533 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
77	59195	100	
97	22.4	10.5	31.6



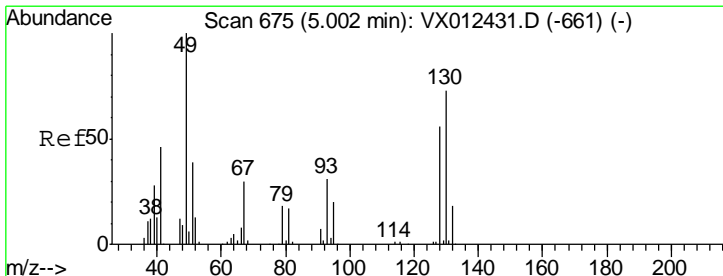
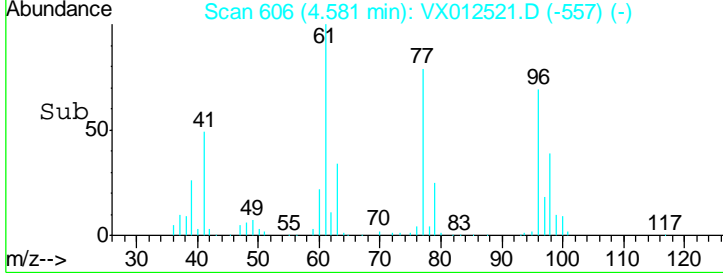
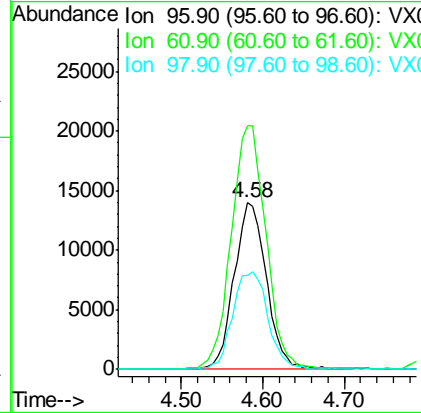
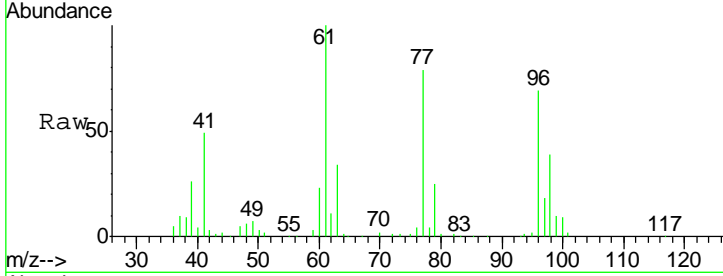


#27
 cis-1,2-Dichloroethene
 Concen: 19.716 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
96	38083		
96	100		
61	158.1	0.0	319.4
98	64.1	0.0	130.6

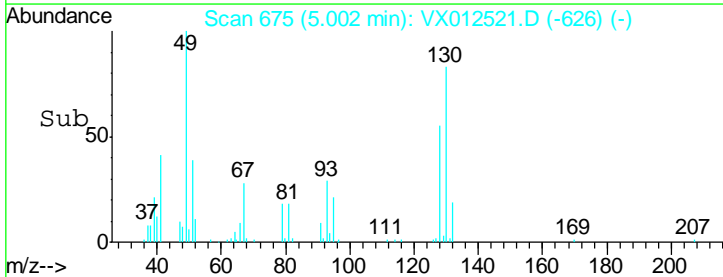
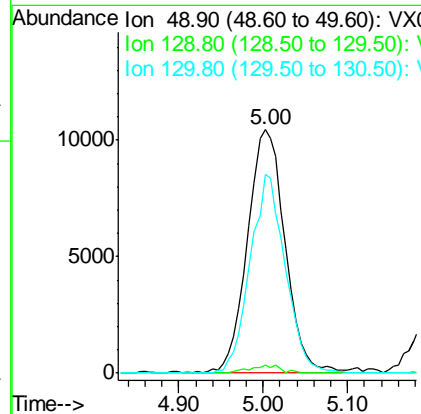
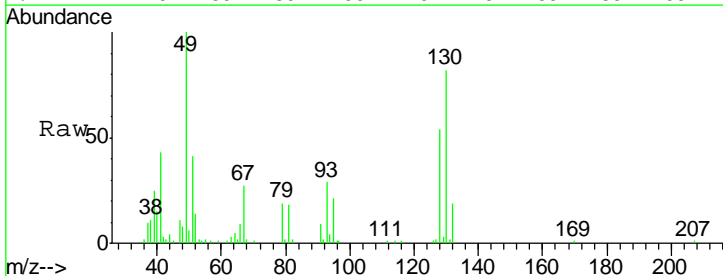
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

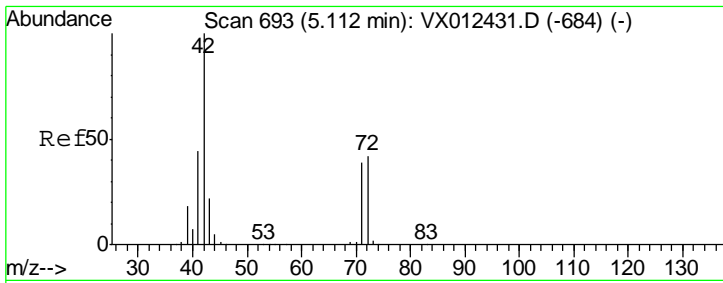
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#28
 Bromochloromethane
 Concen: 18.935 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
49	31703		
49	100		
129	2.3	0.0	3.8
130	76.5	58.2	87.4





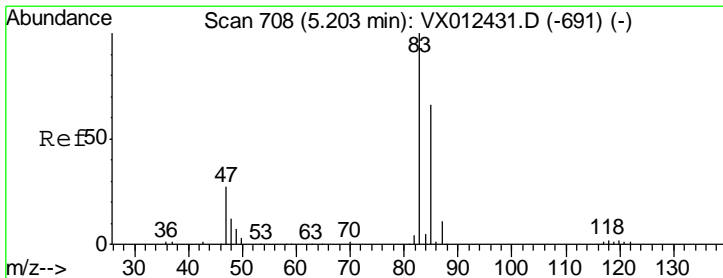
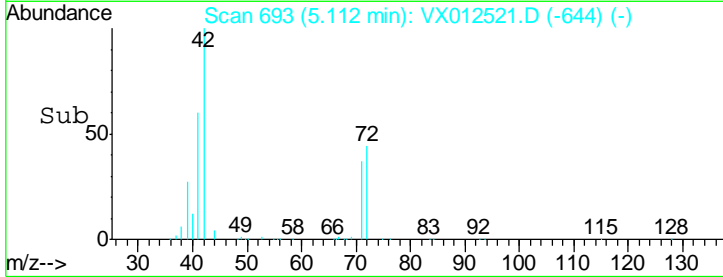
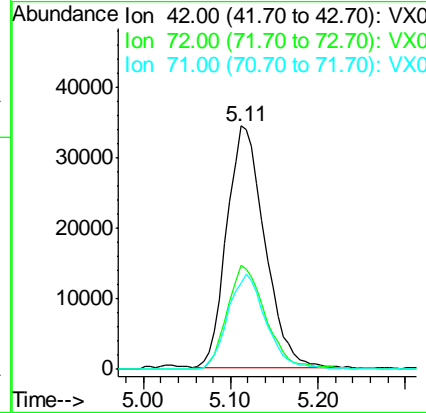
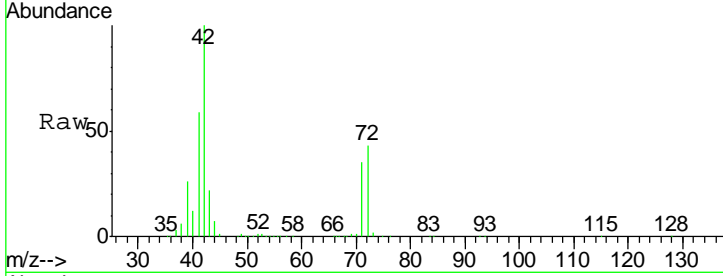
#29
 Tetrahydrofuran
 Concen: 95.201 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
42	103556		
72	43.9	34.0	51.0
71	39.3	31.5	47.3

Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

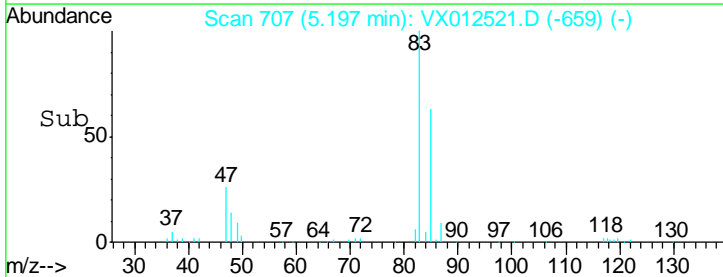
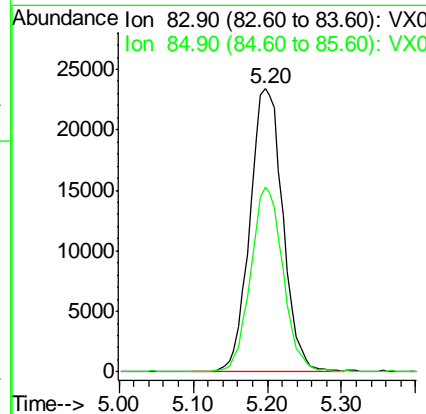
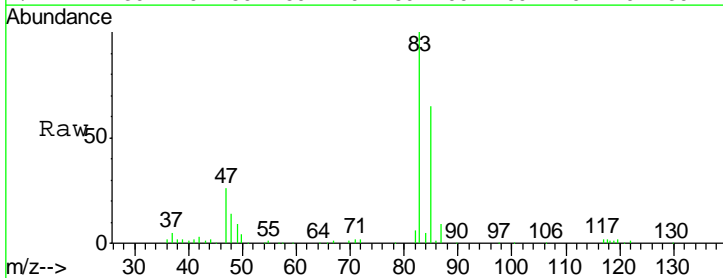
Manual Integrations
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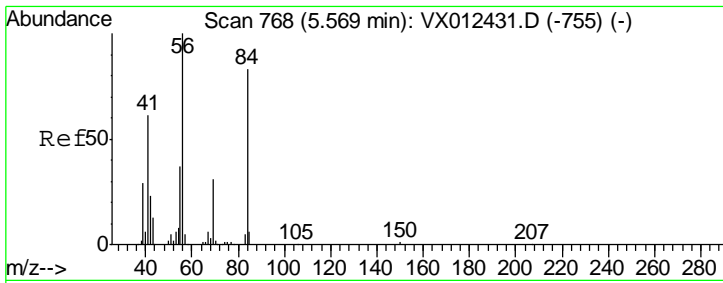
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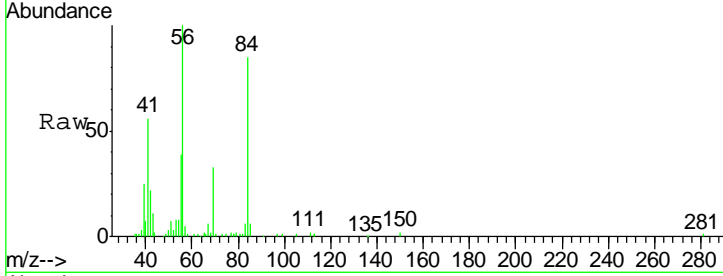
#30
 Chloroform
 Concen: 19.506 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
83	72755		
85	65.4	53.0	79.4



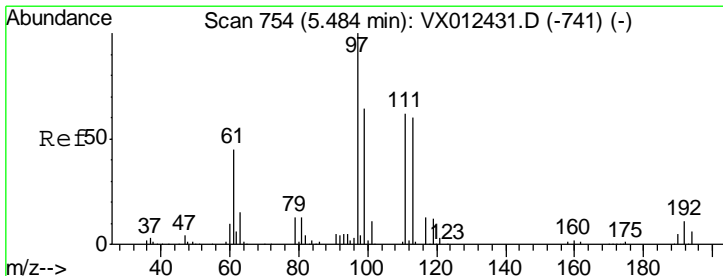
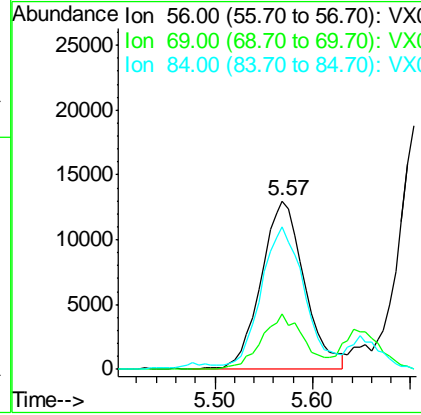
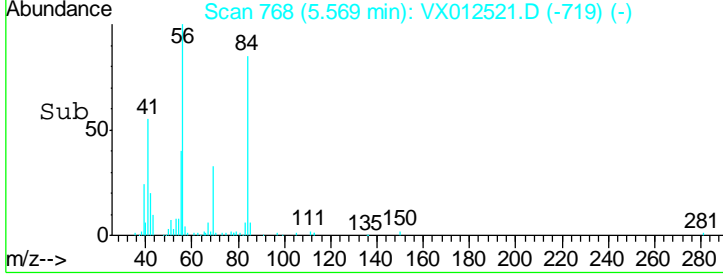


#31
 Cyclohexane
 Concen: 20.470 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

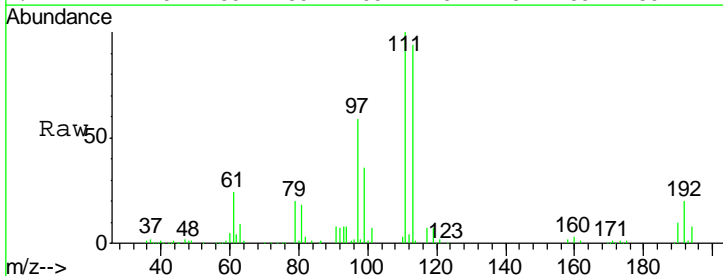


Tgt Ion: 56 Resp: 40131

Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.0	37.6
84	81.0	66.4	99.6

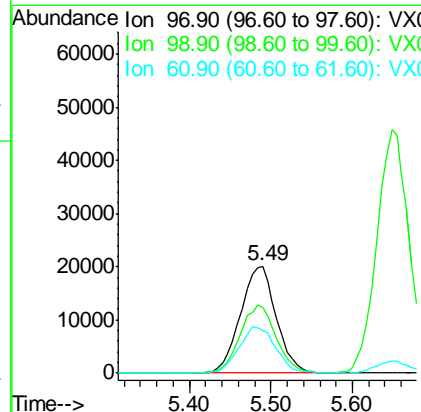
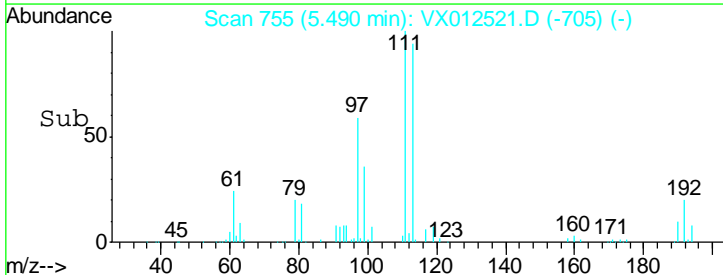


#32
 1,1,1-Trichloroethane
 Concen: 19.581 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27



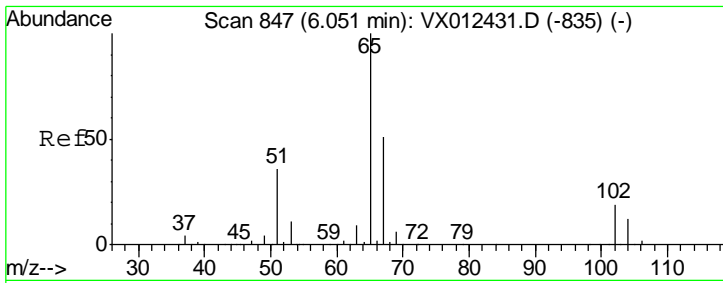
Tgt Ion: 97 Resp: 61041

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	44.9	36.1	54.1



Instrument :
 MSVOA_X
 ClientSampled :
 VX0919MBS01

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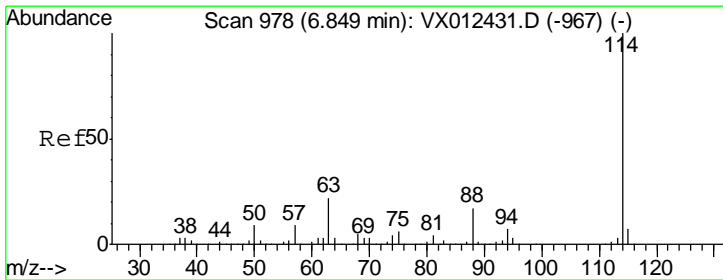
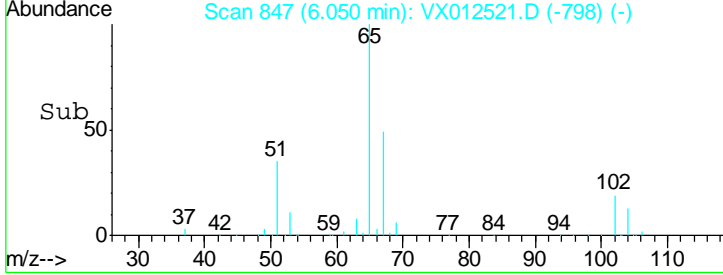
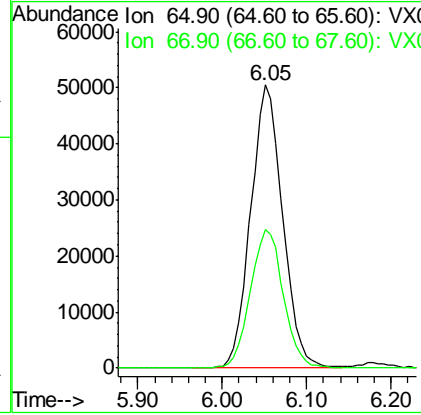
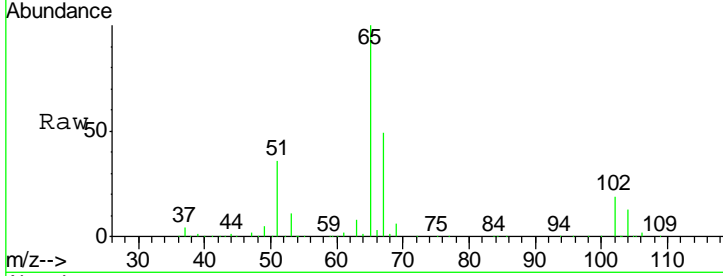


#33
 1,2-Dichloroethane-d4
 Concen: 45.946 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
65	130422		
65	100		
67	50.6	0.0	101.2

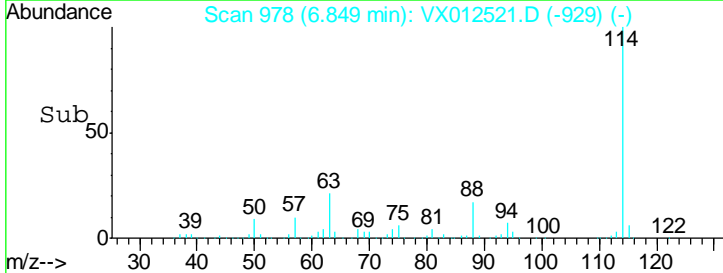
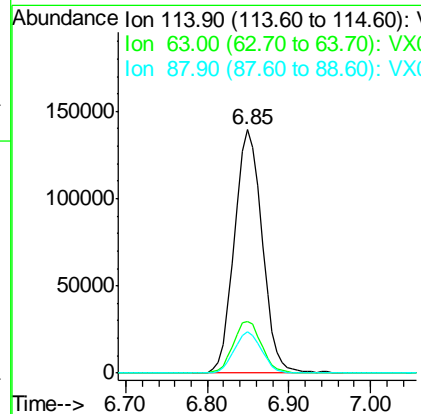
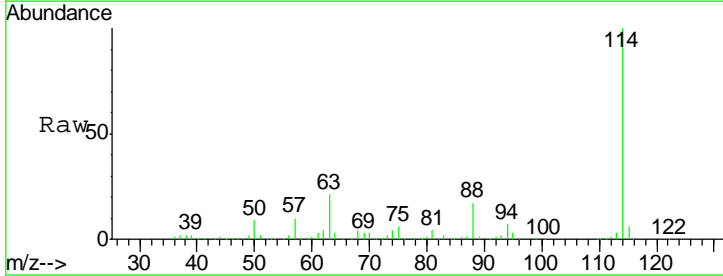
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

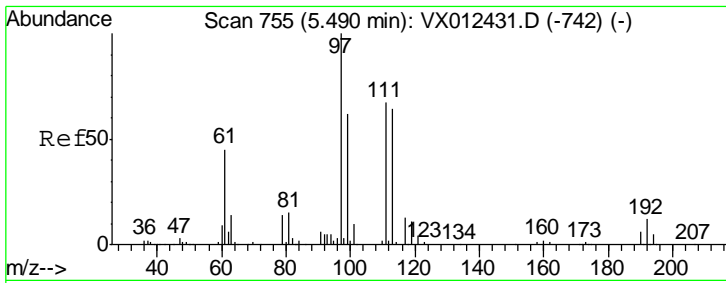
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

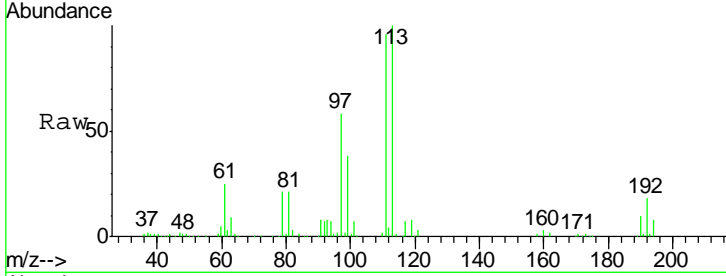
Tgt Ion	Resp	Lower	Upper
114	327788		
114	100		
63	21.3	0.0	43.2
88	16.9	0.0	33.2





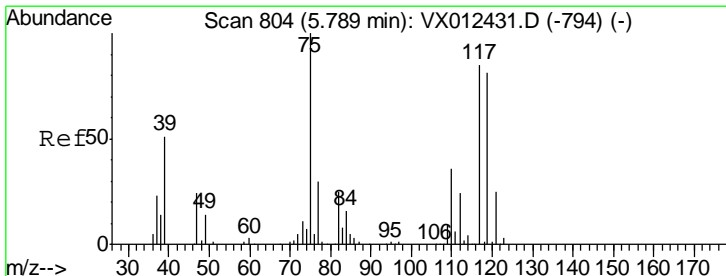
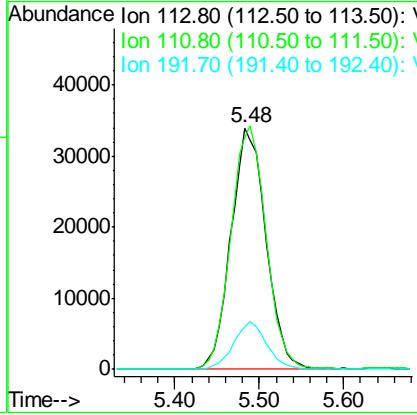
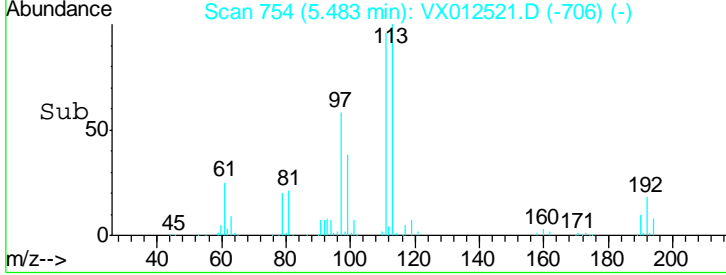
#35
 Dibromofluoromethane
 Concen: 48.132 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0919MBS01

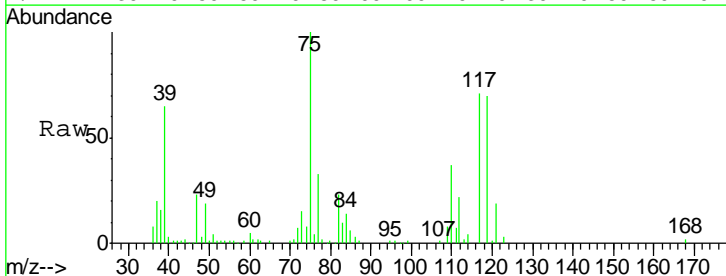


Tgt Ion	Resp	Lower	Upper
113	100		
111	101.3	83.4	125.2
192	18.6	14.4	21.6

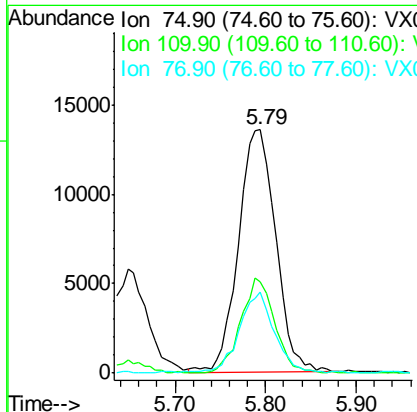
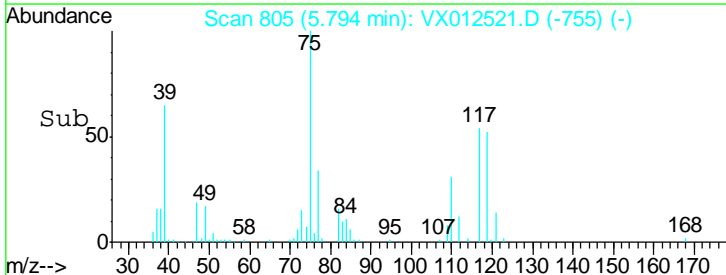
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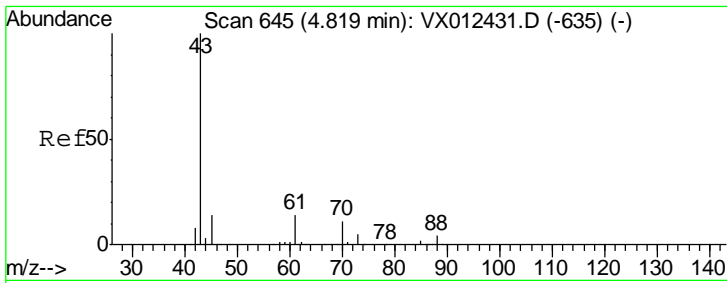


#36
 1,1-Dichloropropene
 Concen: 19.338 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX012521.D
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Tgt Ion	Resp	Lower	Upper
75	100		
110	35.7	16.7	50.0
77	32.0	24.2	36.2



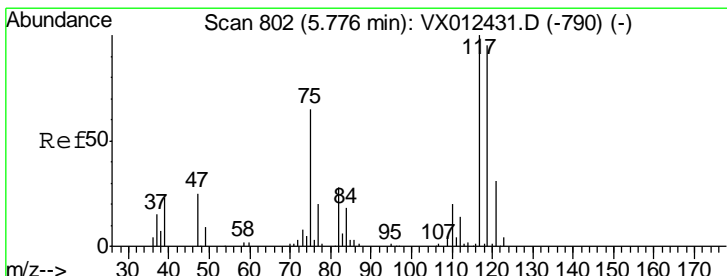
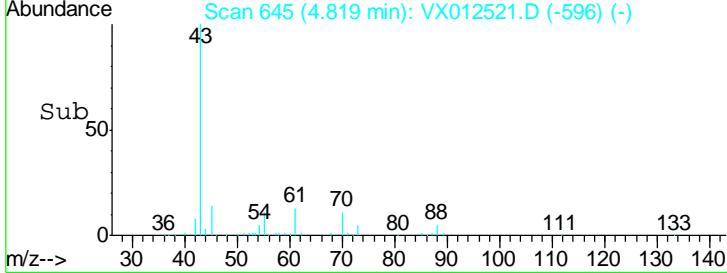
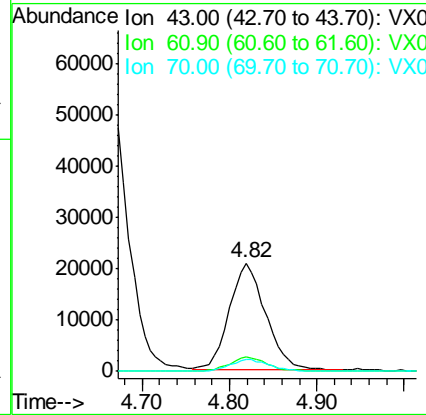
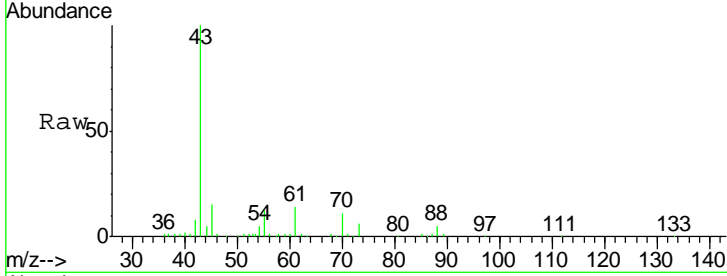


#37
 Ethyl Acetate
 Concen: 19.720 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
43	60303		
61	13.0	10.2	15.4
70	11.9	8.7	13.1

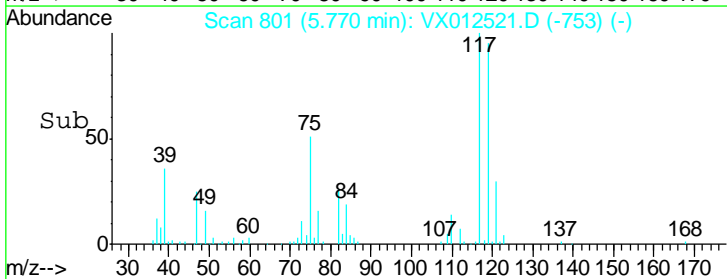
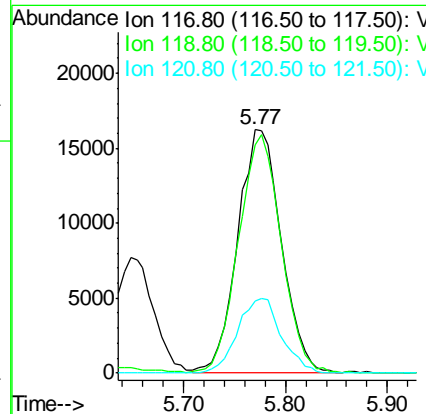
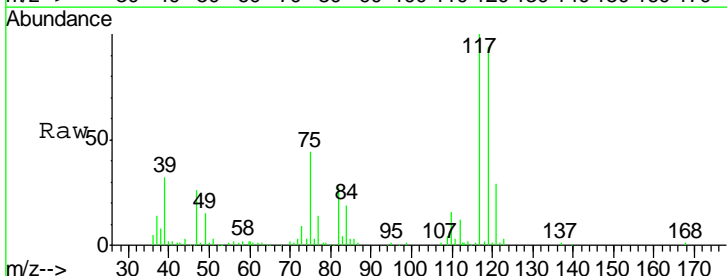
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

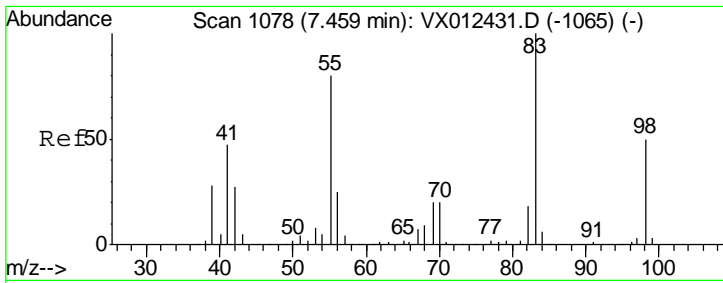
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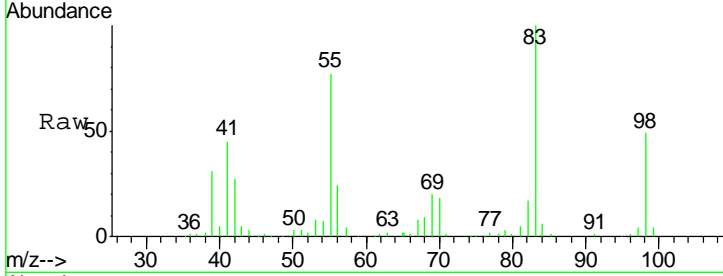
#38
 Carbon Tetrachloride
 Concen: 19.348 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
117	47938		
119	93.9	75.7	113.5
121	29.5	24.2	36.4





#39
 Methylcyclohexane
 Concen: 20.344 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

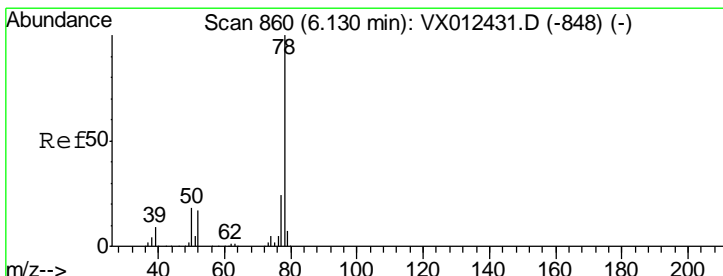
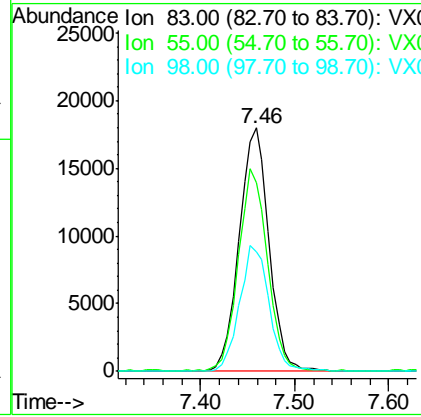
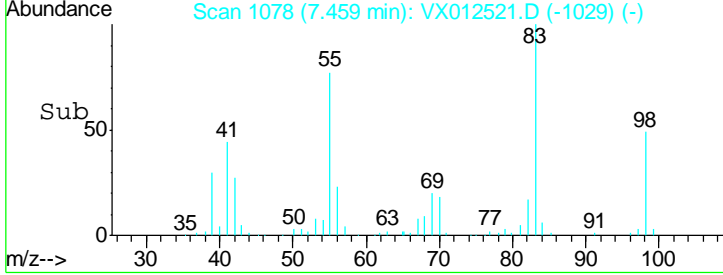


Tgt Ion: 83 Resp: 39398

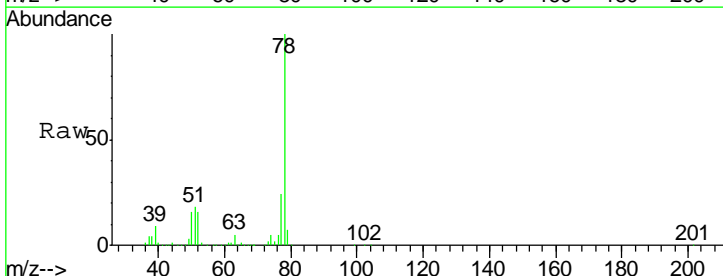
Ion	Ratio	Lower	Upper
83	100		
55	77.2	64.4	96.6
98	48.9	40.1	60.1

Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

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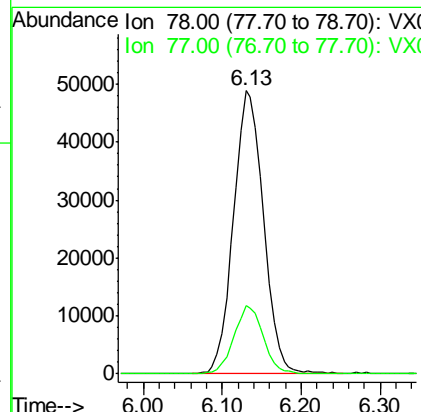
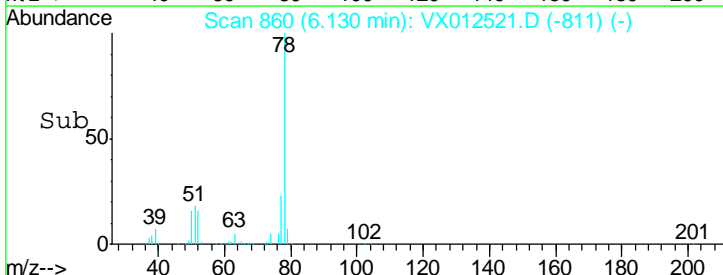


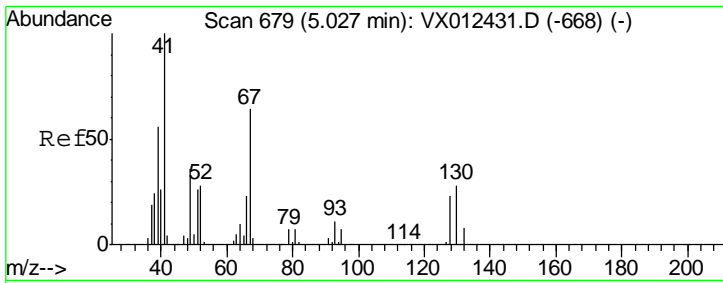
#40
 Benzene
 Concen: 20.490 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27



Tgt Ion: 78 Resp: 129801

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8



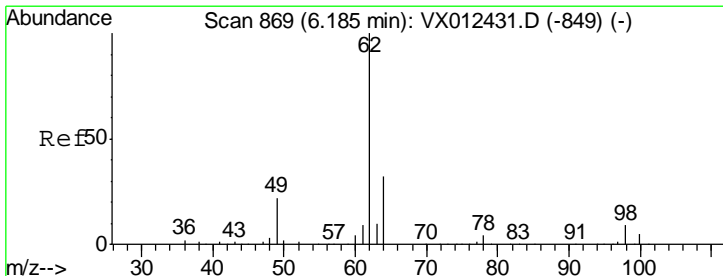
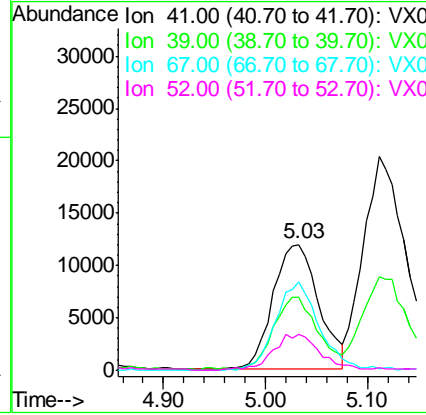
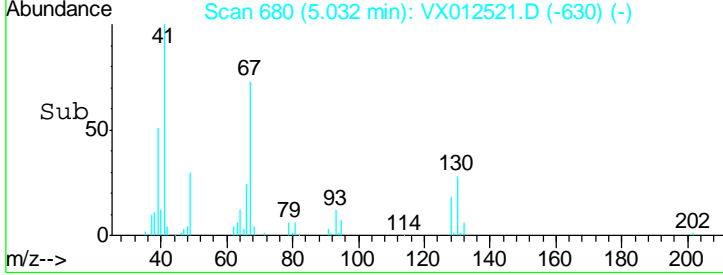
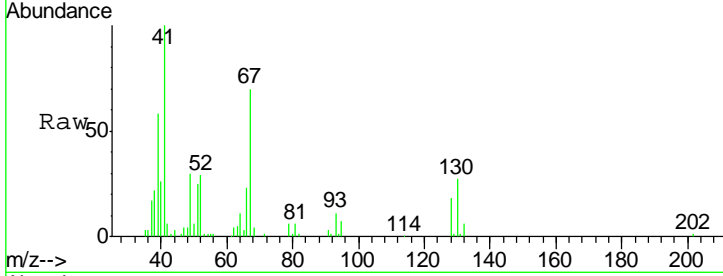


#41
 Methacrylonitrile
 Concen: 19.000 ug/l
 RT: 5.03 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
41	100		
39	54.3	46.0	69.0
67	67.4	52.2	78.2
52	29.3	22.7	34.1

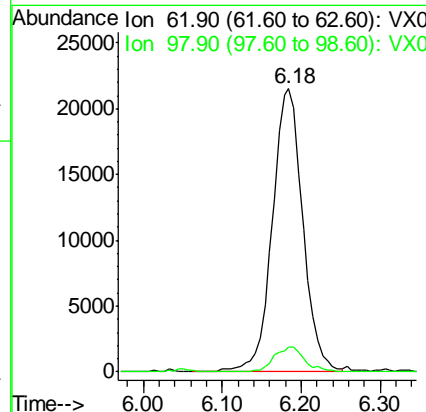
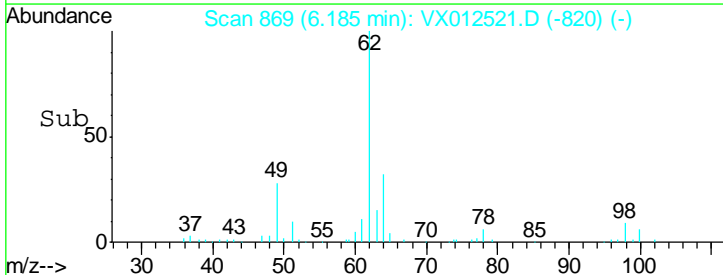
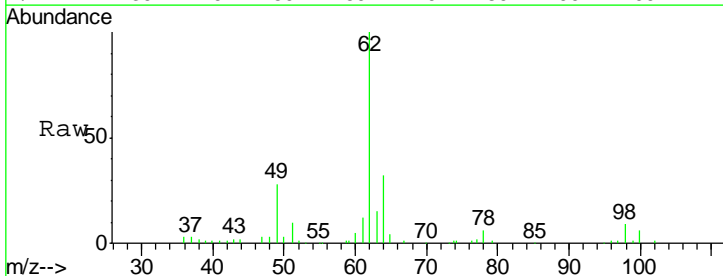
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

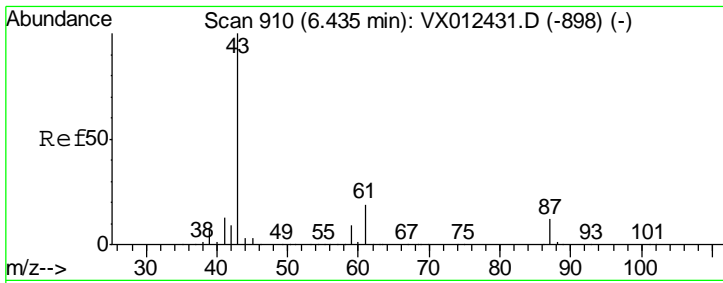
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#42
 1,2-Dichloroethane
 Concen: 19.647 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.8	0.0	17.8



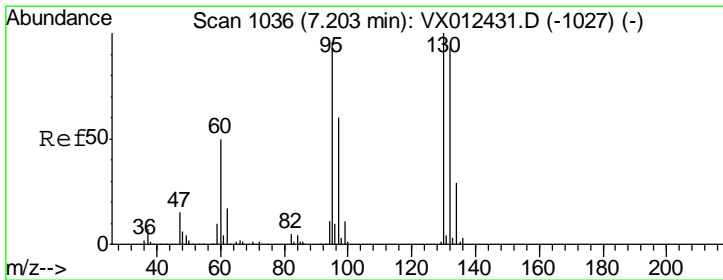
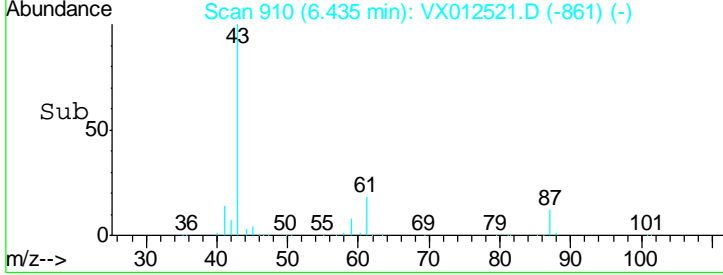
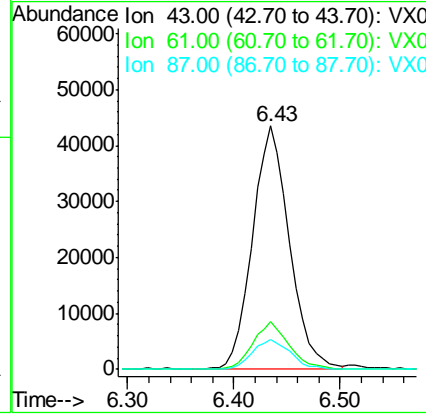
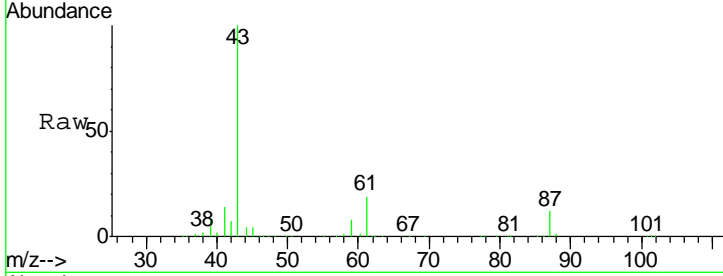


#43
 Isopropyl Acetate
 Concen: 19.105 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
43	104855		
61	19.5	15.4	23.0
87	12.9	9.8	14.8

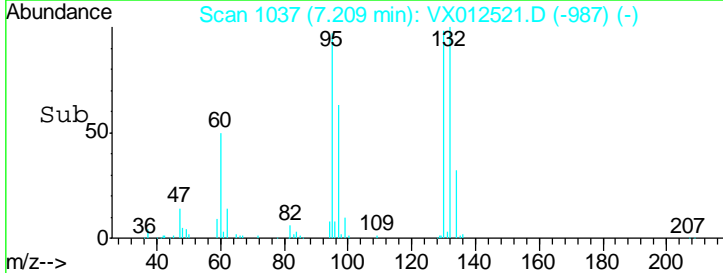
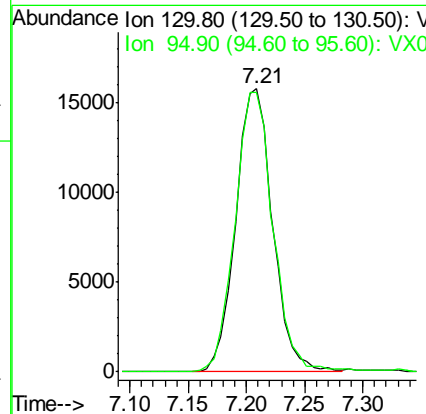
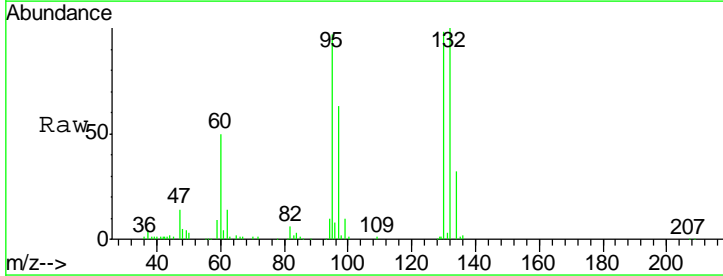
Instrument : MSVOA_X
 ClientSampleId : VX0919MBS01

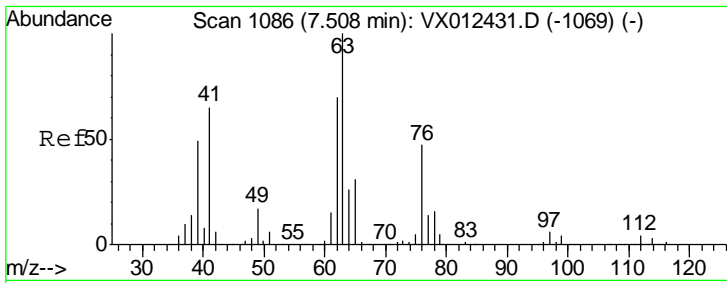
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#44
 Trichloroethene
 Concen: 20.890 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
130	34811		
95	98.5	0.0	193.0



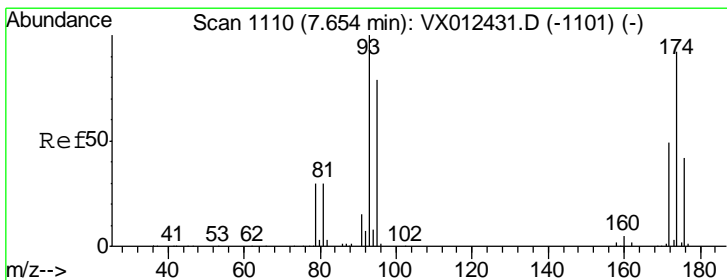
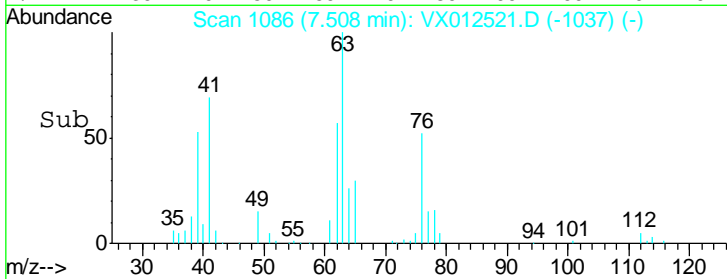
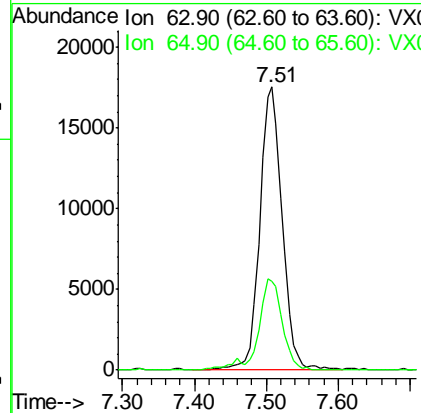
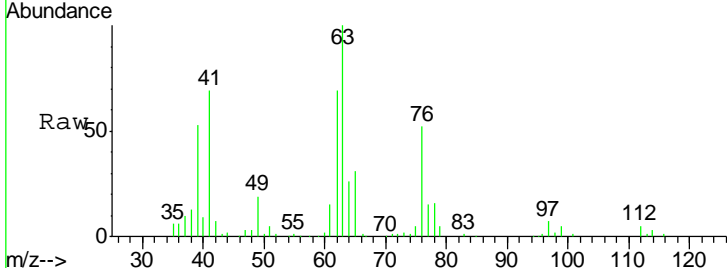


#45
 1,2-Dichloropropane
 Concen: 19.541 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.2	25.0	37.6

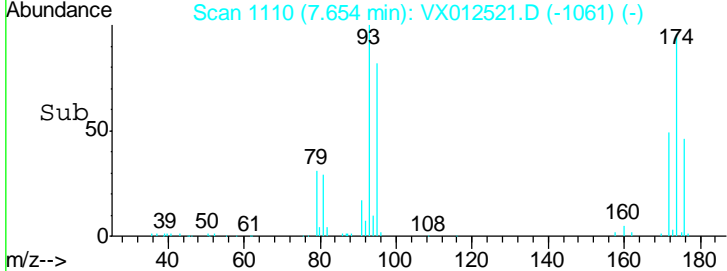
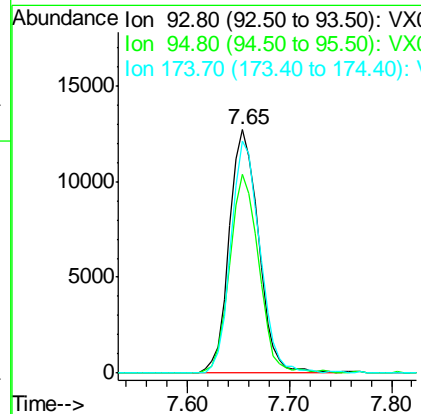
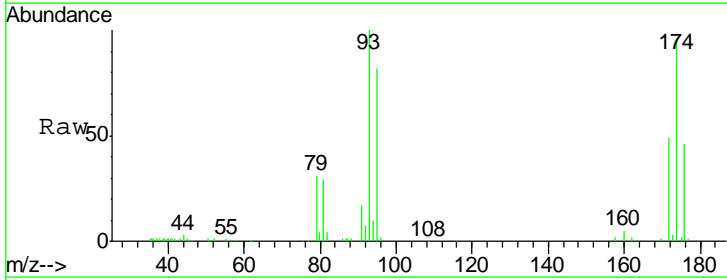
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

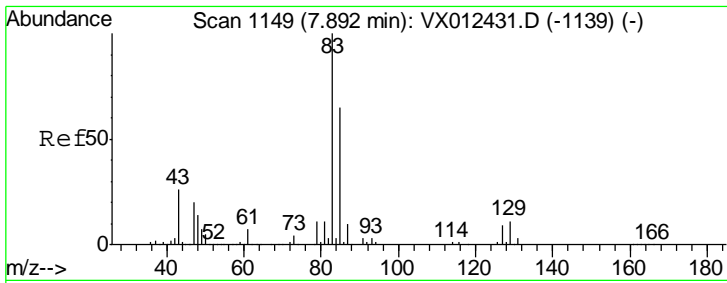
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#46
 Dibromomethane
 Concen: 20.163 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
93	100		
95	80.2	66.6	100.0
174	94.0	77.4	116.0



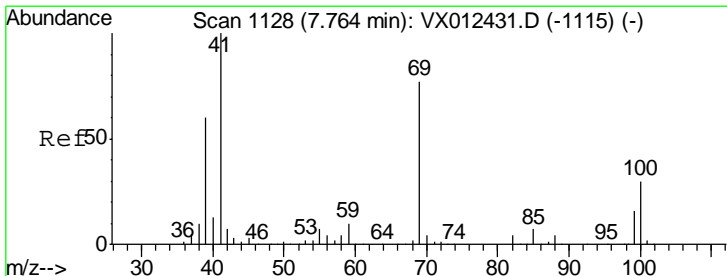
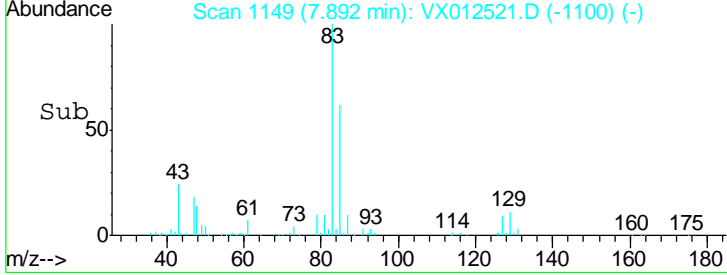
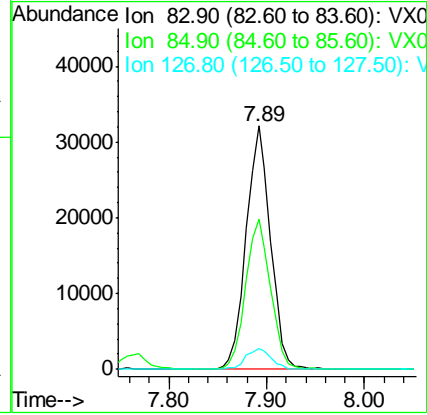
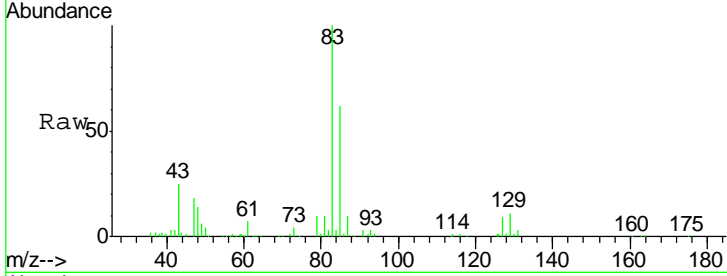


#47
 Bromodichloromethane
 Concen: 19.724 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
83	100		
85	61.9	51.8	77.6
127	8.8	7.3	10.9

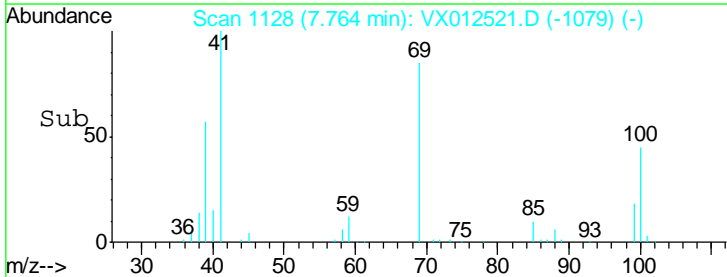
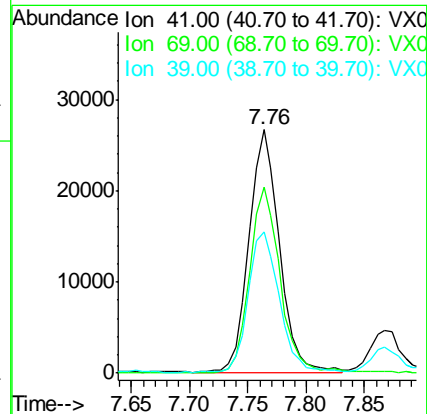
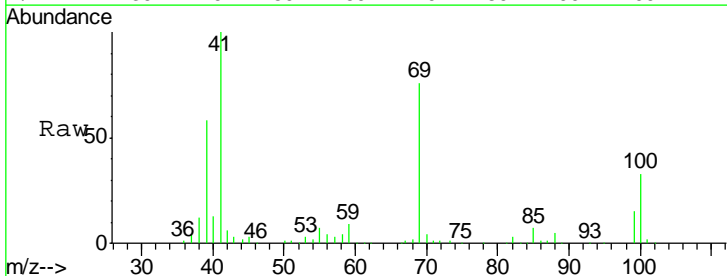
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

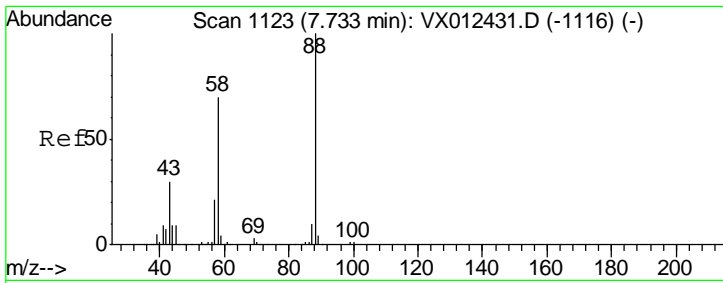
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#48
 Methyl methacrylate
 Concen: 18.684 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

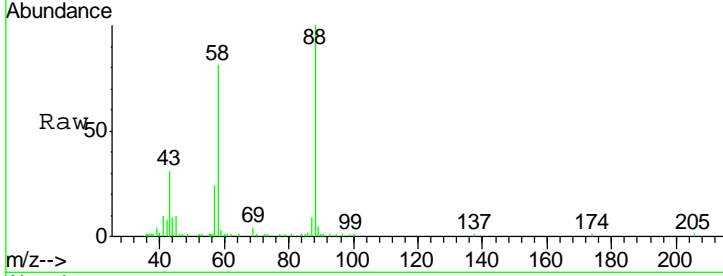
Tgt Ion	Resp	Lower	Upper
41	100		
69	78.5	59.9	89.9
39	58.4	47.8	71.6





#49
 1,4-Dioxane
 Concen: 353.007 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

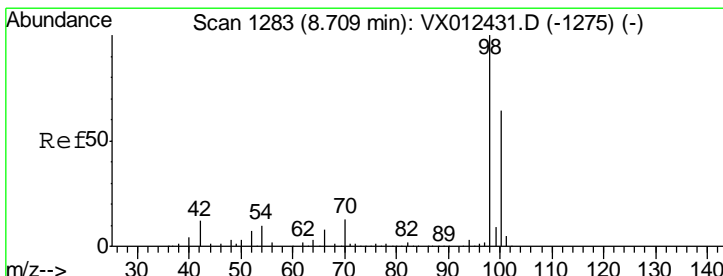
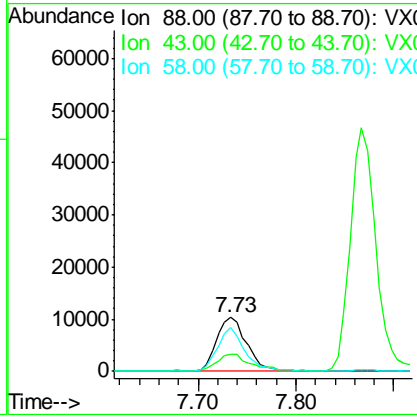
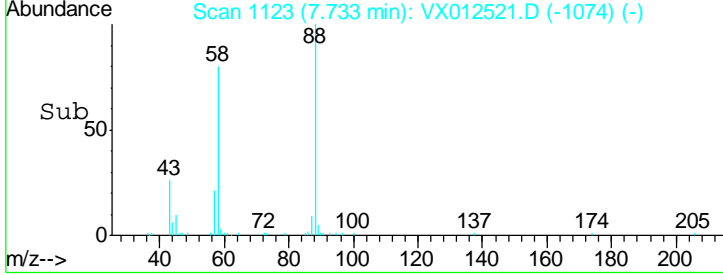
Instrument :
 MSVOA_X
 ClientSampled :
 VX0919MBS01



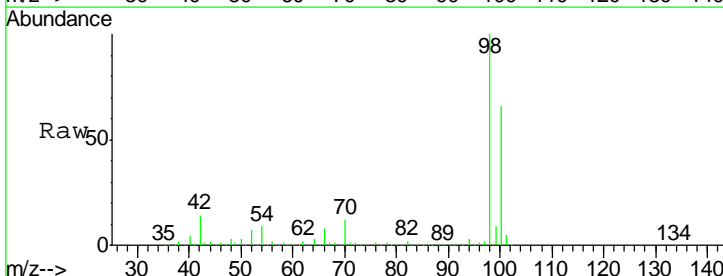
Tgt Ion: 88 Resp: 22228

Ion	Ratio	Lower	Upper
88	100		
43	34.6	29.4	44.0
58	74.8	57.5	86.3

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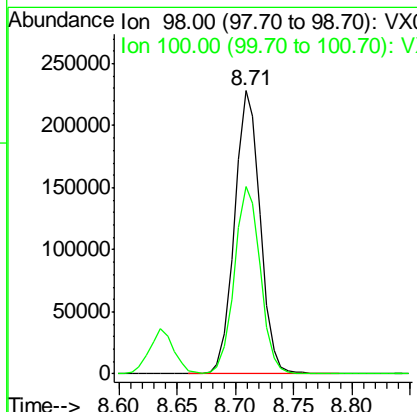
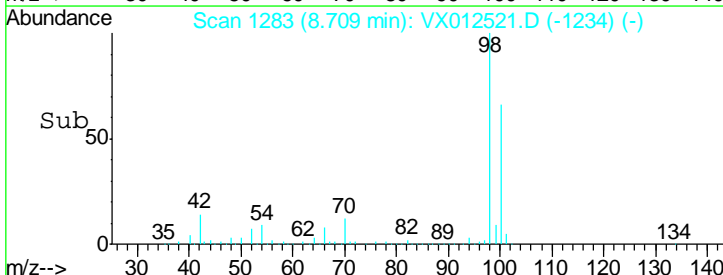


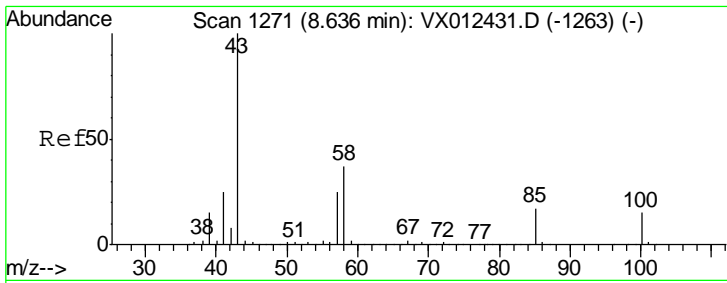
#50
 Toluene-d8
 Concen: 47.702 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27



Tgt Ion: 98 Resp: 350300

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.2



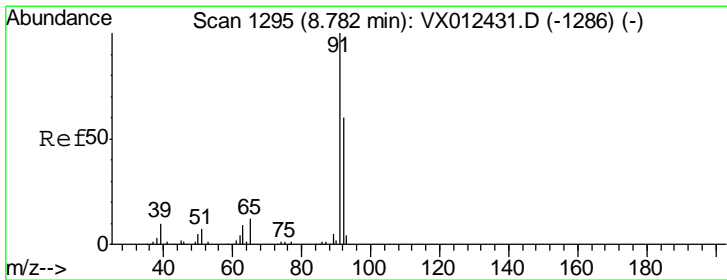
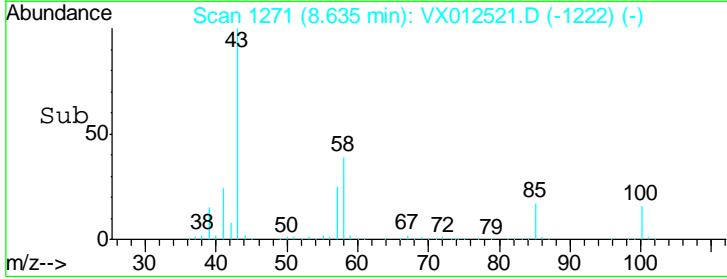
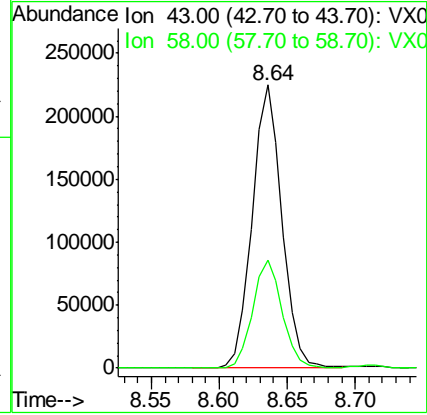
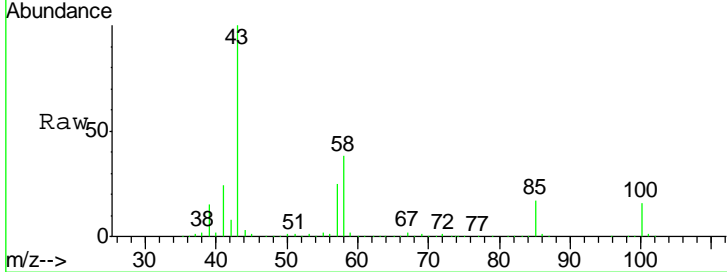


#51
 4-Methyl-2-Pentanone
 Concen: 95.491 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.0	29.8	44.6

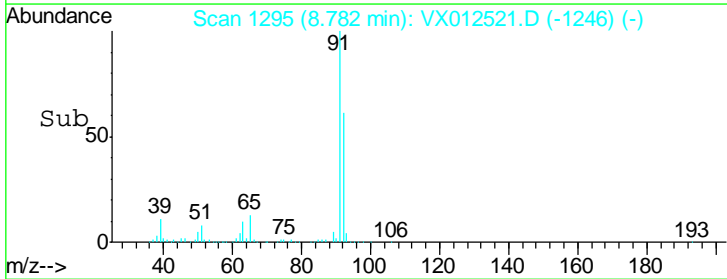
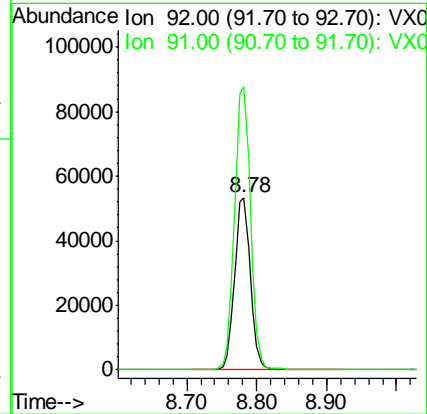
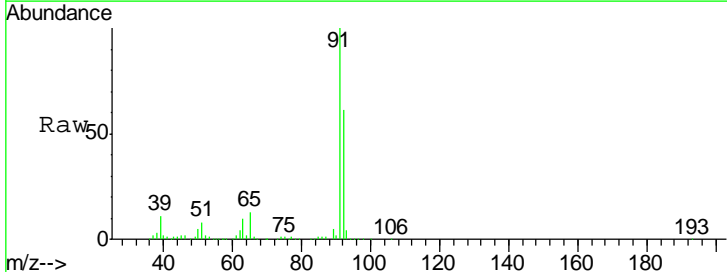
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

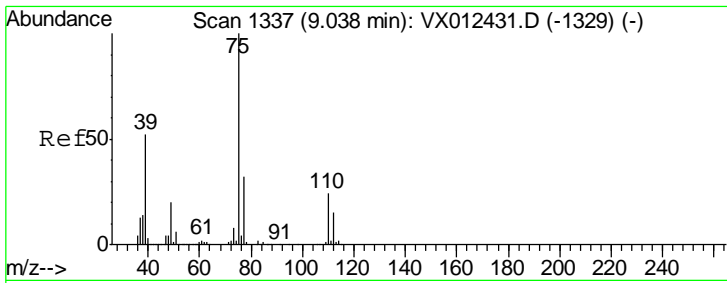
Manual Integrations APPROVED
 MMDadoda
 9/20/2019 10:45:03 AM



#52
 Toluene
 Concen: 20.661 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
92	100		
91	165.4	135.4	203.0



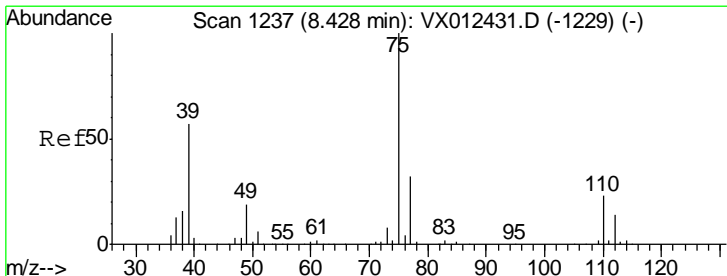
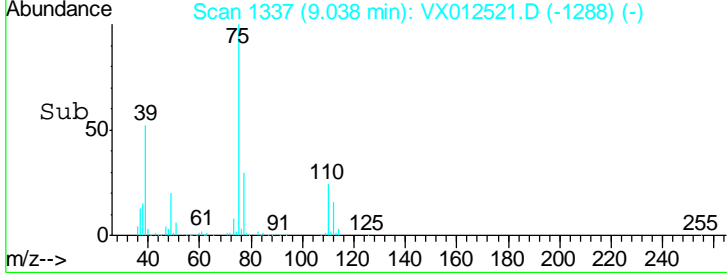
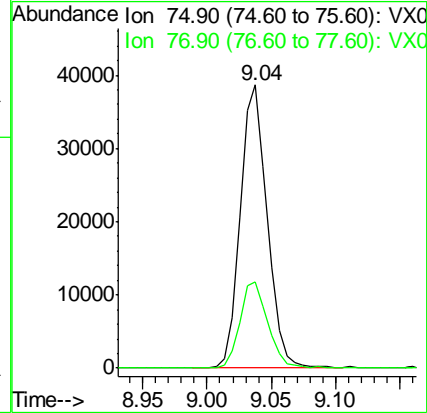
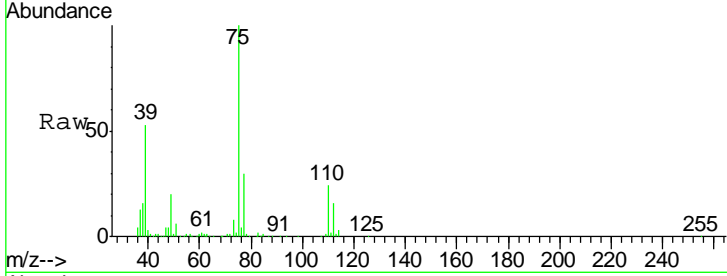


#53
 t-1,3-Dichloropropene
 Concen: 19.224 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
75	56039		
75	100		
77	30.5	25.2	37.8

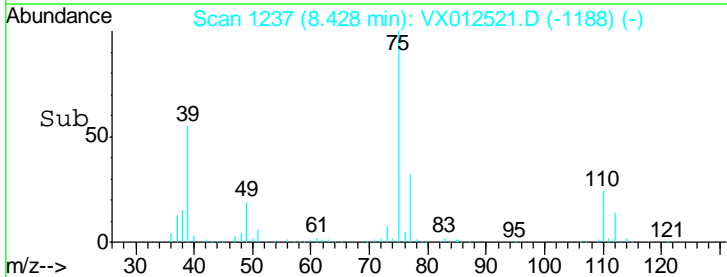
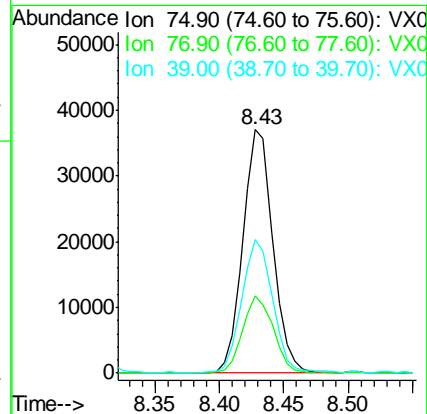
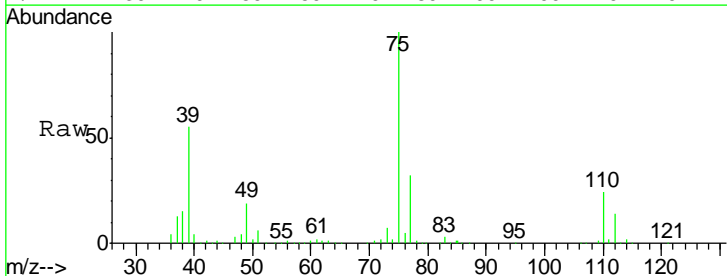
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

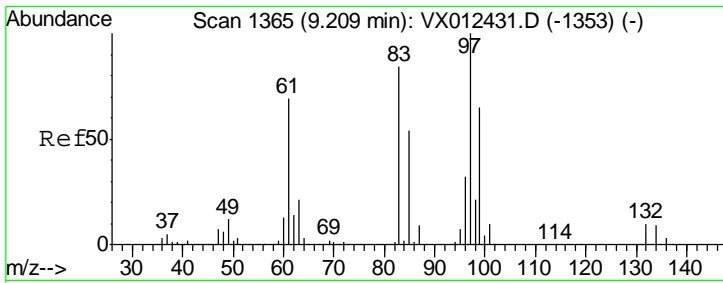
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#54
 cis-1,3-Dichloropropene
 Concen: 19.829 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
75	59843		
75	100		
77	31.6	25.8	38.8
39	54.7	45.5	68.3



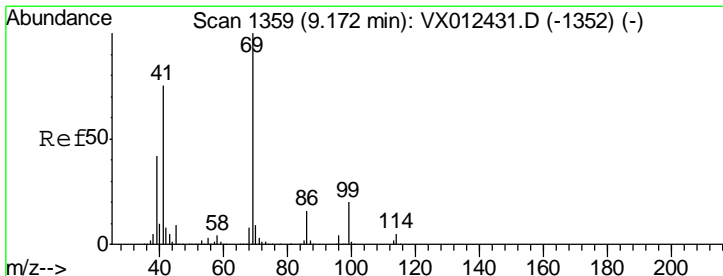
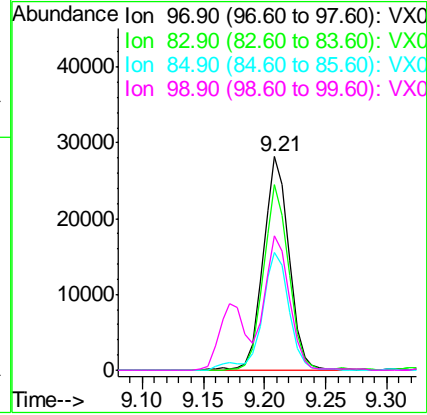
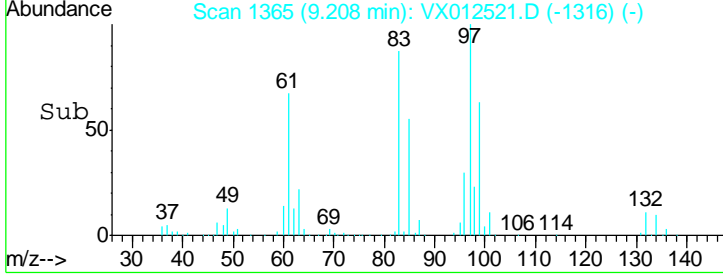
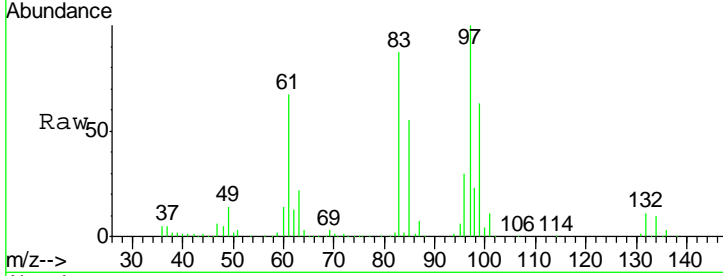


#55
 1,1,2-Trichloroethane
 Concen: 19.769 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
97	100		
83	86.8	67.4	101.2
85	54.9	43.5	65.3
99	63.0	51.8	77.8

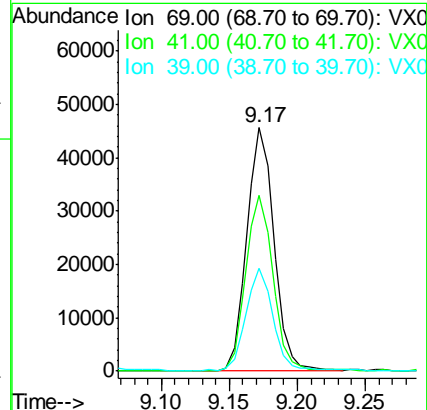
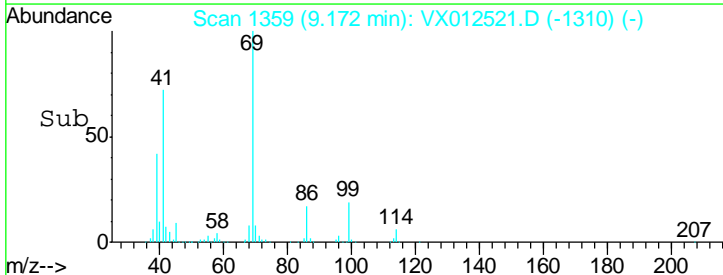
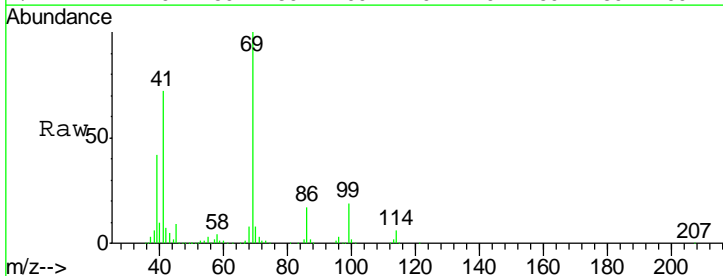
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

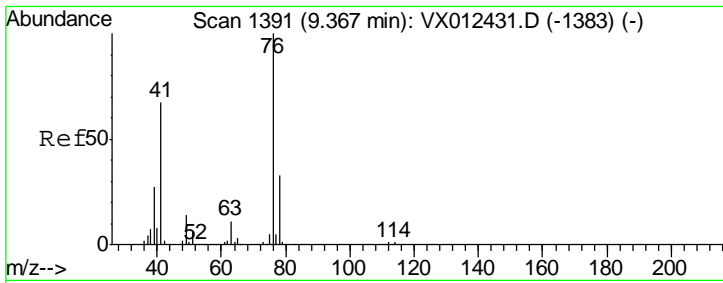
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#56
 Ethyl methacrylate
 Concen: 19.505 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
69	100		
41	71.5	58.4	87.6
39	41.2	33.4	50.0



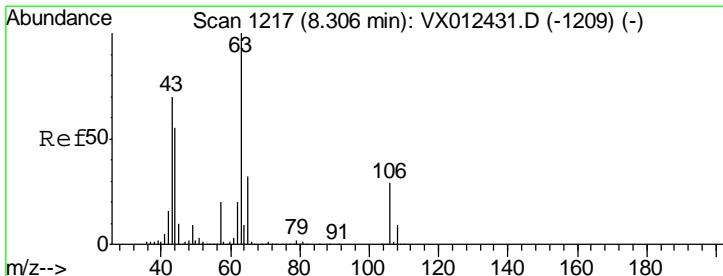
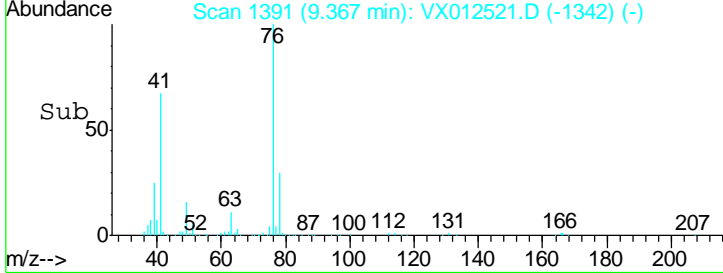
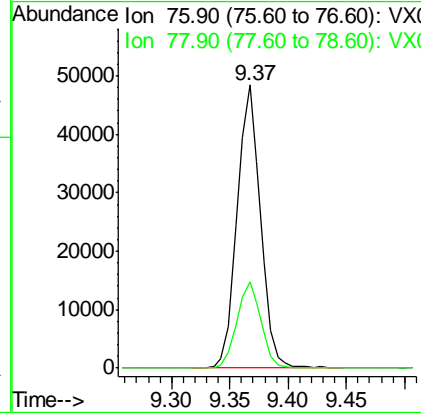
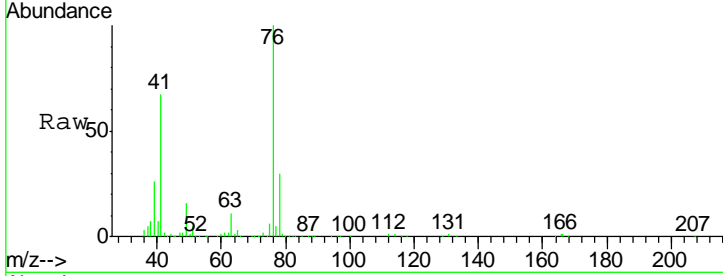


#57
 1,3-Dichloropropane
 Concen: 20.230 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
76	67880		
76	100		
78	31.4	26.2	39.2

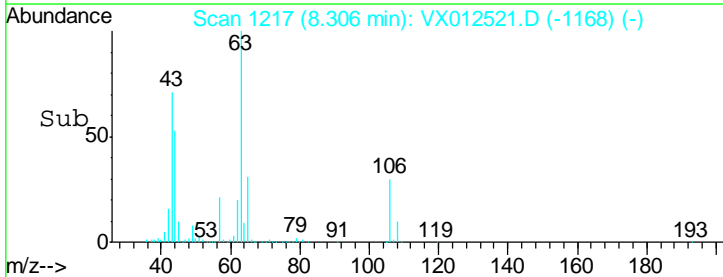
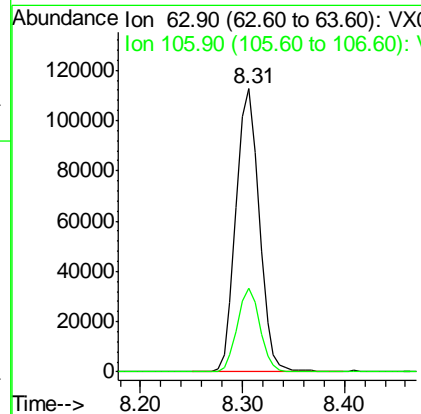
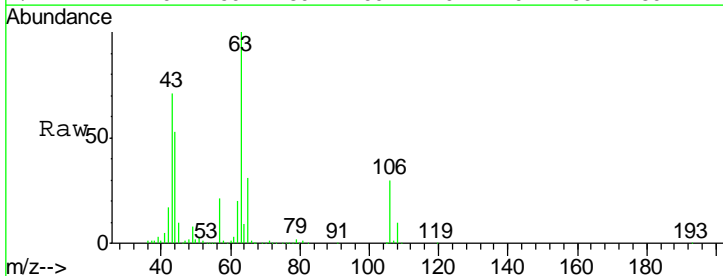
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

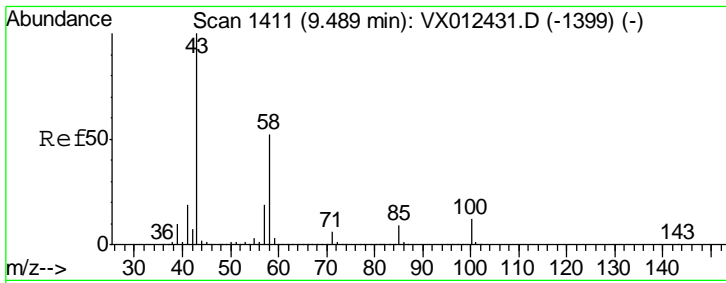
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.492 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
63	177850		
63	100		
106	28.8	23.8	35.6





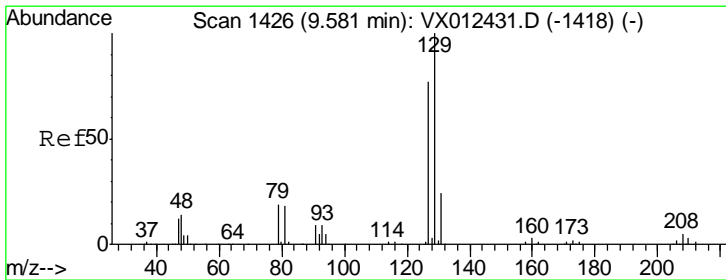
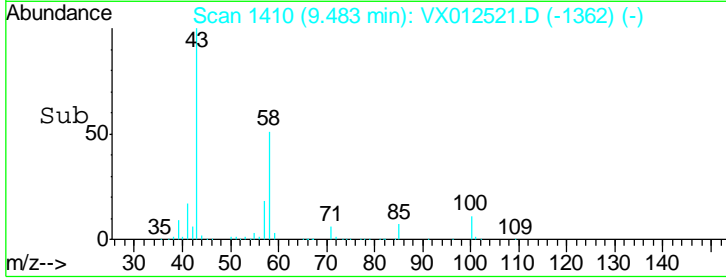
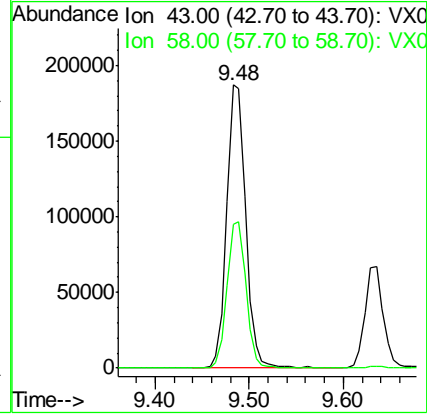
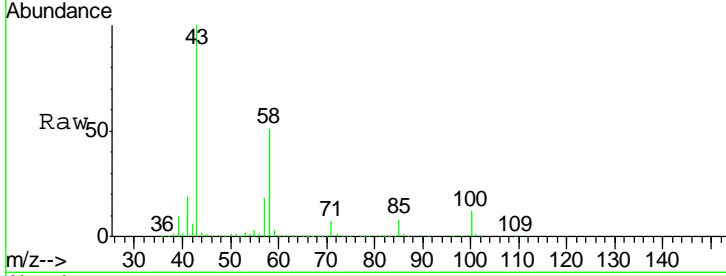
#59
 2-Hexanone
 Concen: 93.336 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

Tgt Ion	Resp	Lower	Upper
43	100		
58	52.0	25.7	77.1

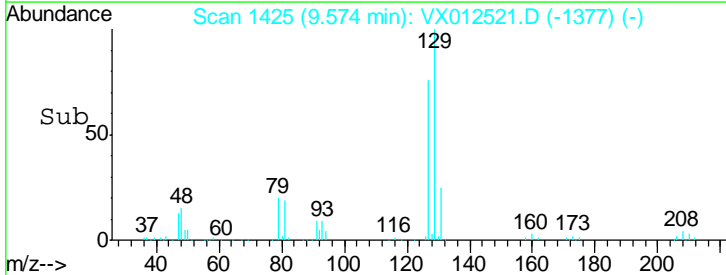
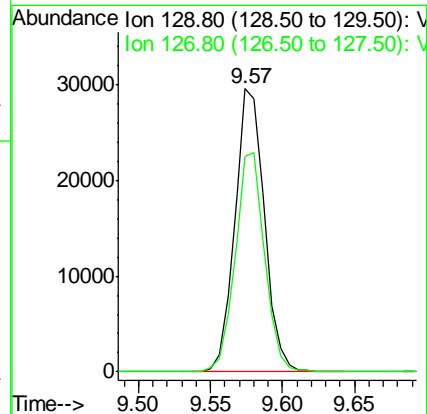
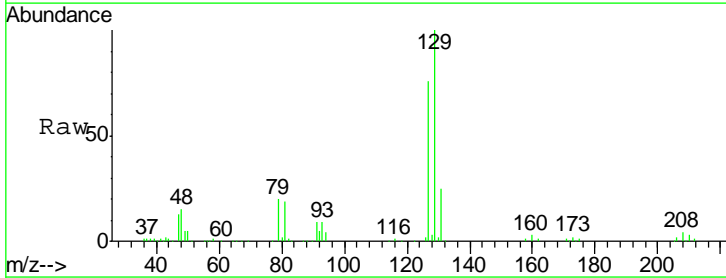
Manual Integrations
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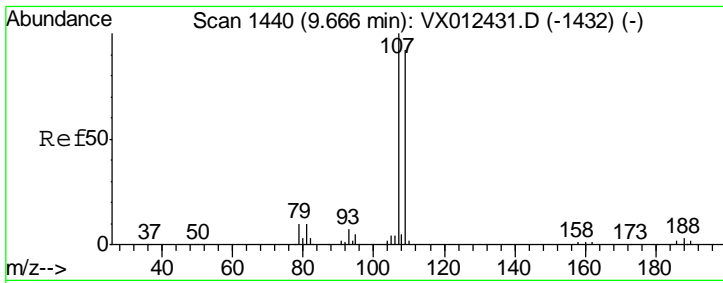
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#60
 Dibromochloromethane
 Concen: 19.846 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.1	38.9	116.6



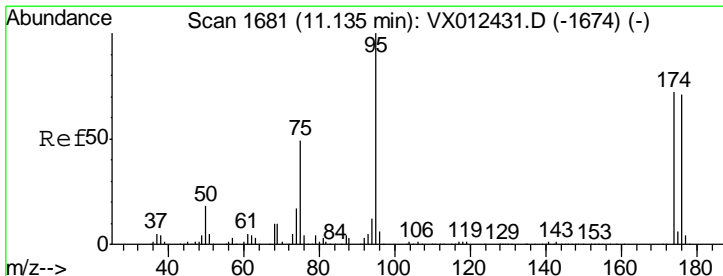
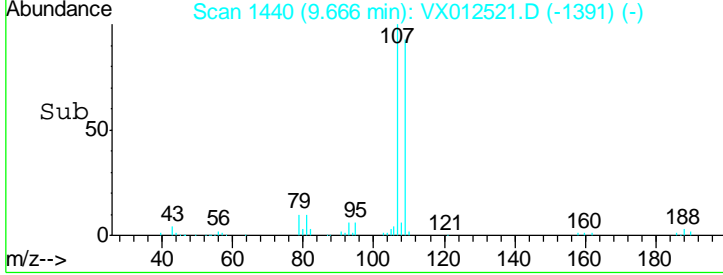
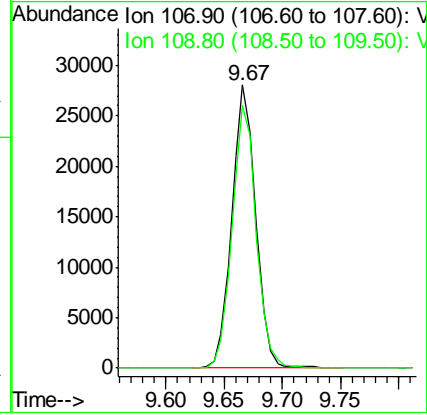
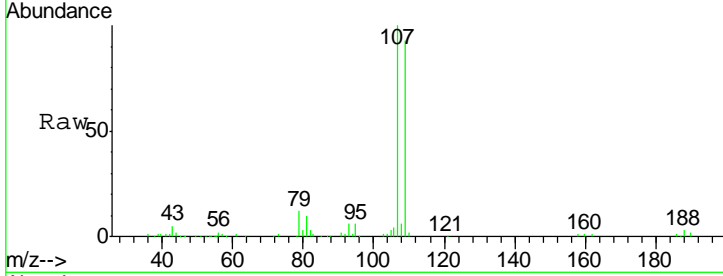


#61
 1,2-Dibromoethane
 Concen: 20.816 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
107	39982		
109	93.6	74.7	112.1

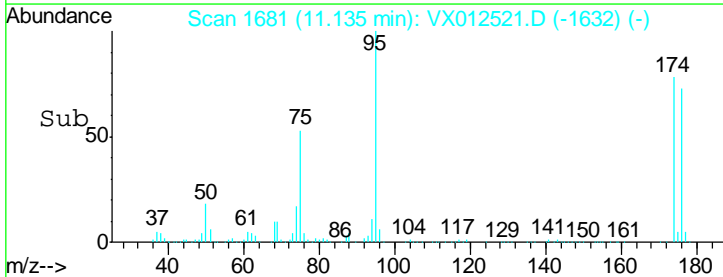
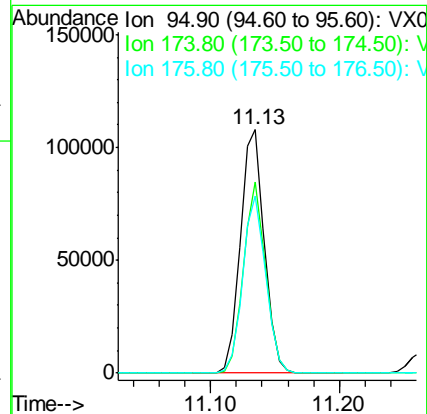
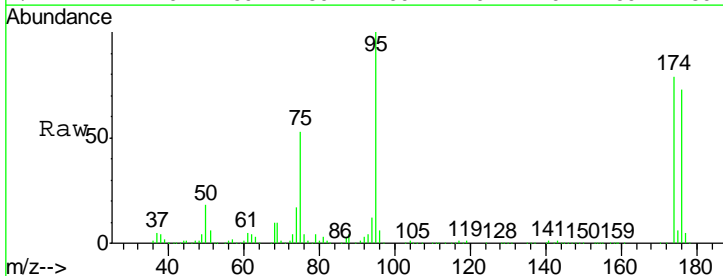
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

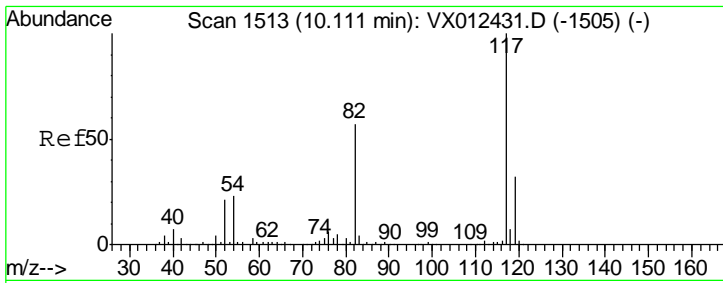
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#62
 4-Bromofluorobenzene
 Concen: 45.503 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
95	138743		
174	72.7	0.0	140.0
176	70.1	0.0	135.4



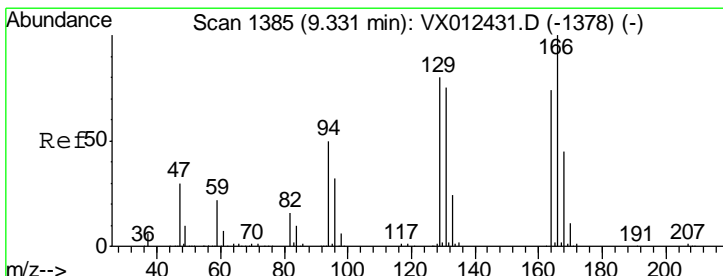
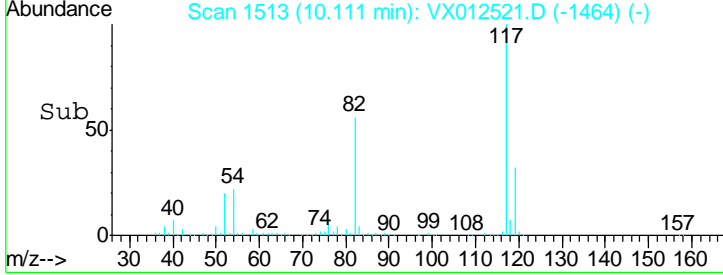
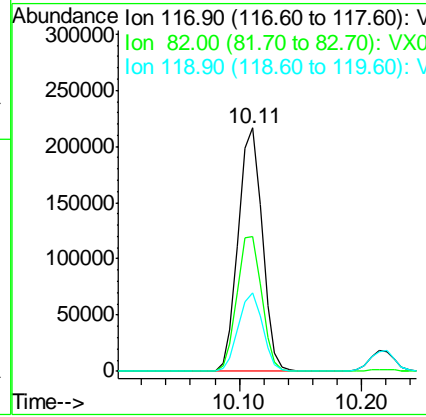
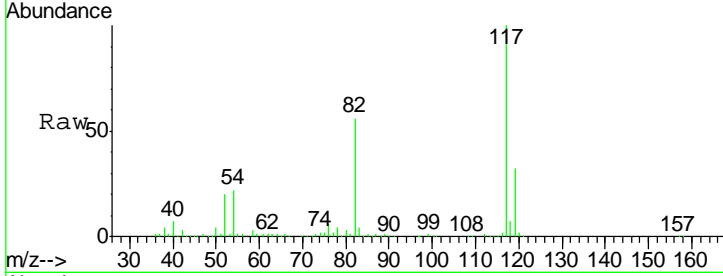


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

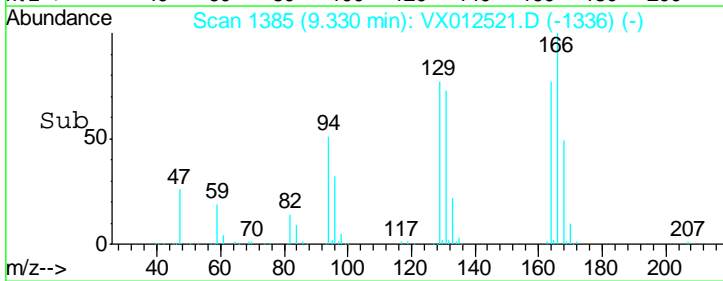
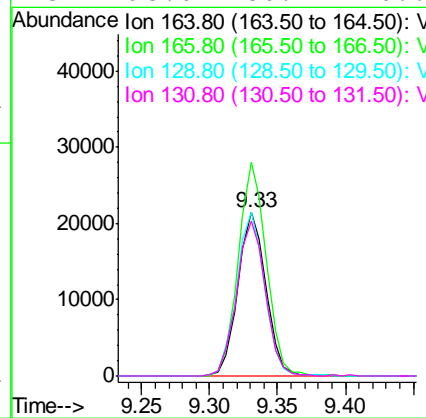
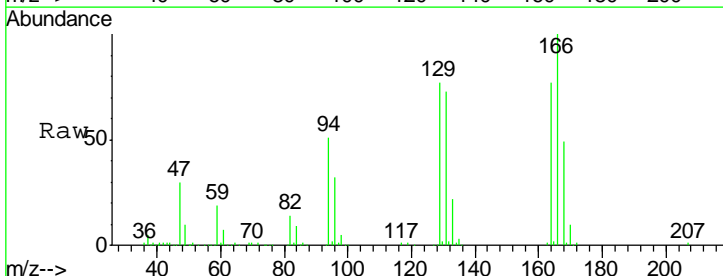
Tgt Ion	Resp	Lower	Upper
117	293101		
82	55.6	45.9	68.9
119	32.5	25.3	37.9

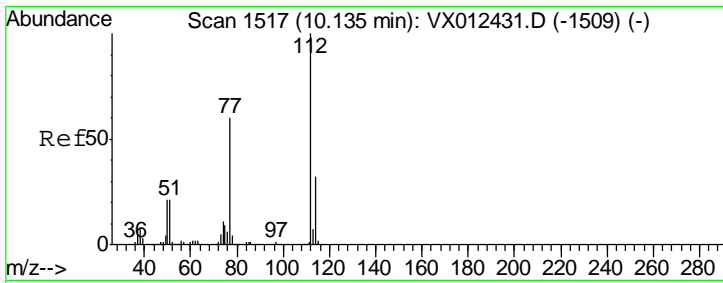
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#64
 Tetrachloroethene
 Concen: 22.956 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
164	30832		
166	130.5	107.8	161.6
129	100.4	86.2	129.2
131	95.0	80.4	120.6



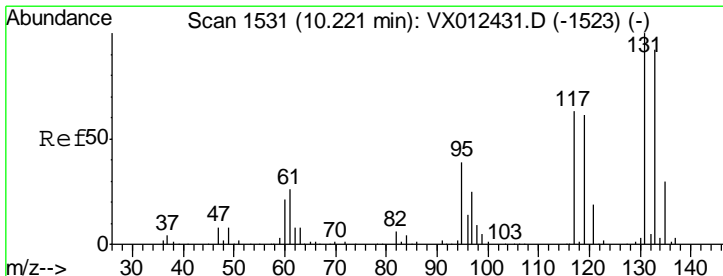
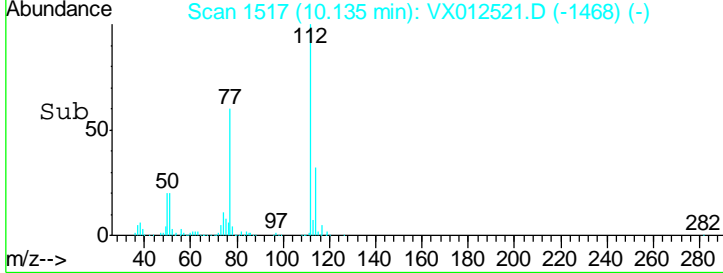
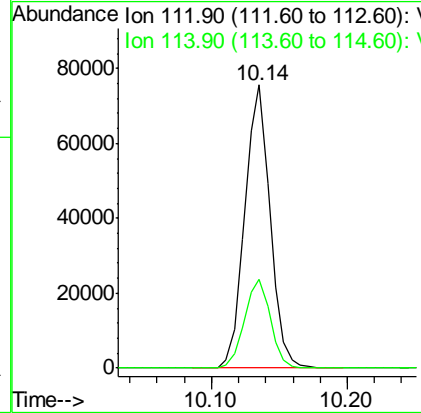
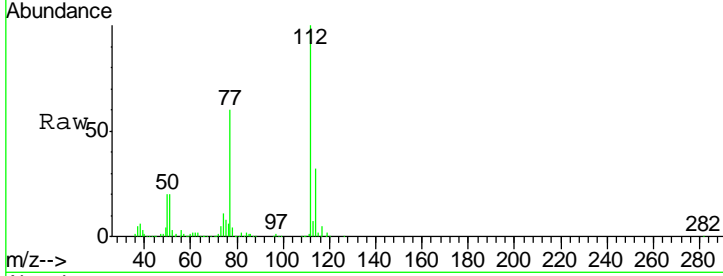


#65
 Chlorobenzene
 Concen: 20.281 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

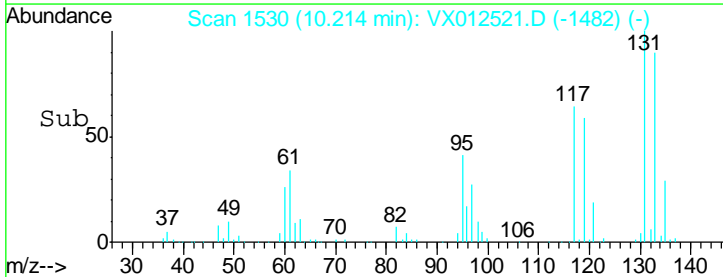
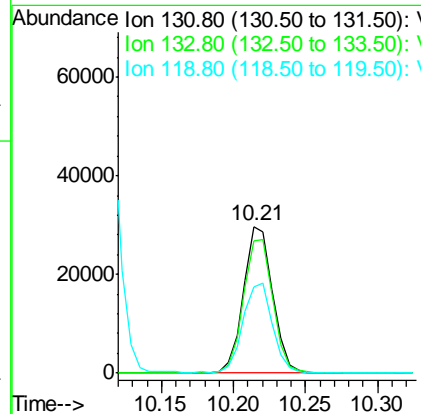
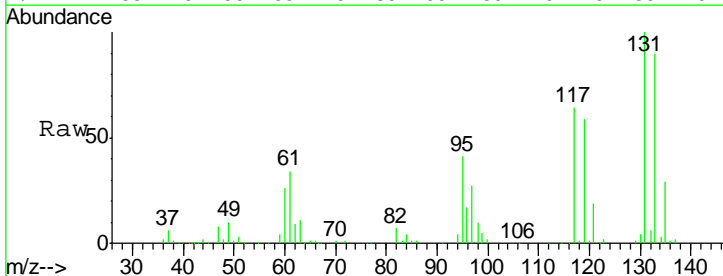
Tgt Ion	Resp	Lower	Upper
112	98113		
114	31.6	25.4	38.0

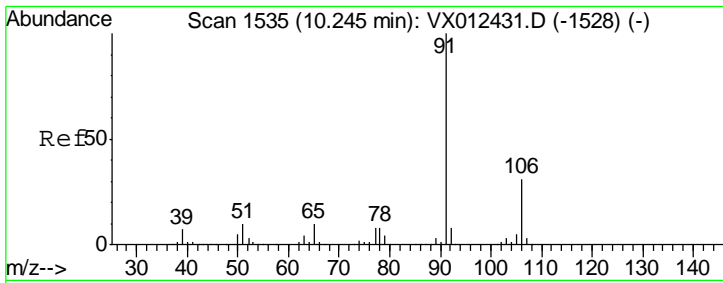
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 20.665 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
131	41489		
133	92.6	47.6	142.9
119	62.8	31.3	93.8



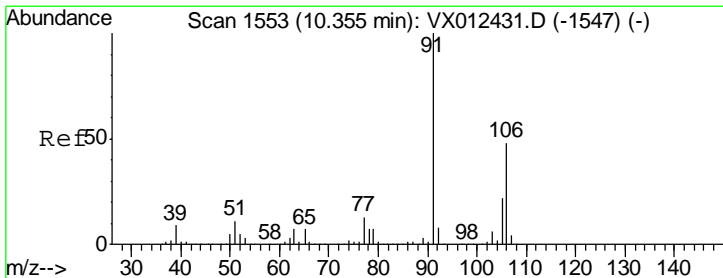
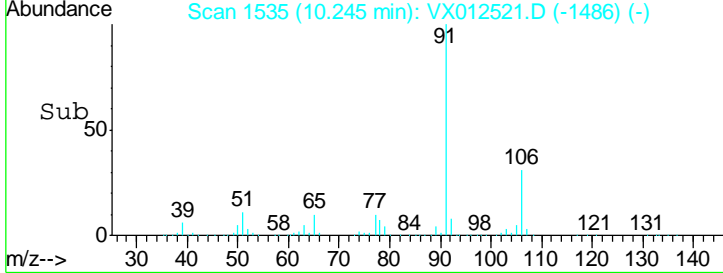
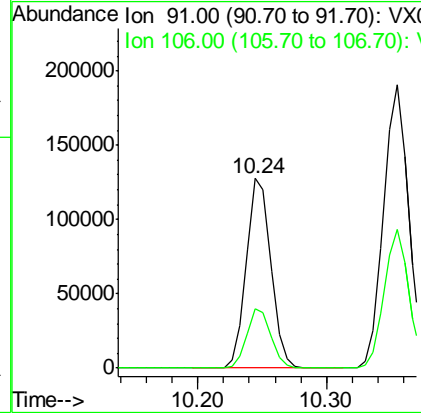
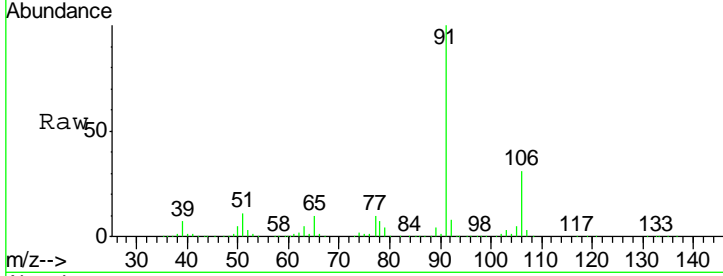


#67
 Ethyl Benzene
 Concen: 20.271 ug/l
 RT: 10.24 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

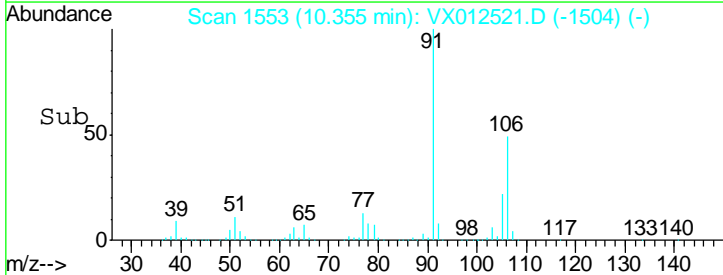
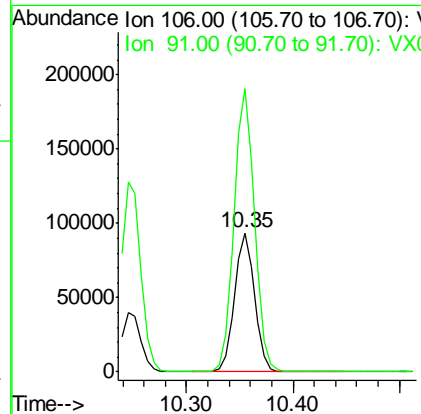
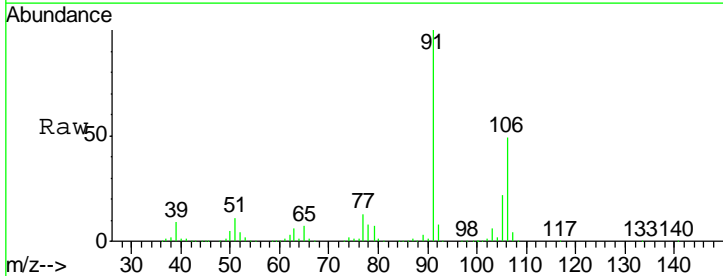
Tgt Ion	Resp	Lower	Upper
91	100		
106	31.4	24.6	37.0

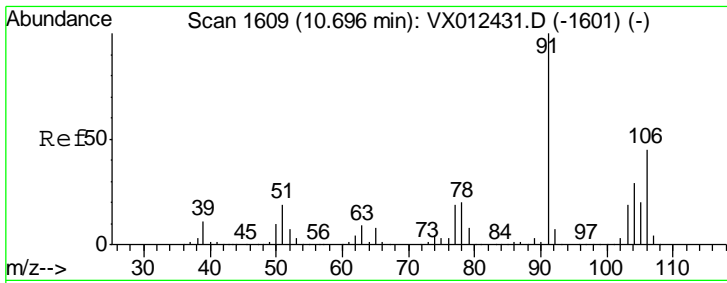
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#68
 m/p-Xylenes
 Concen: 41.162 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
106	100		
91	206.6	166.6	250.0



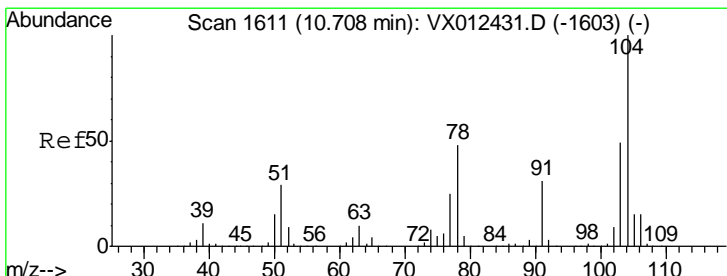
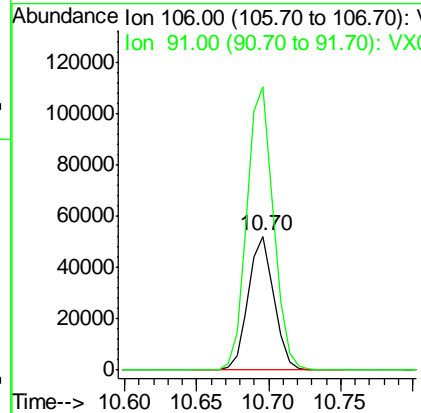
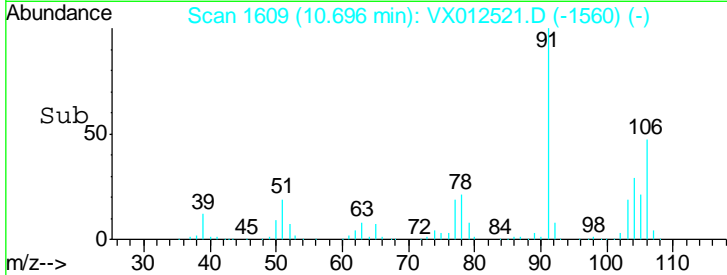
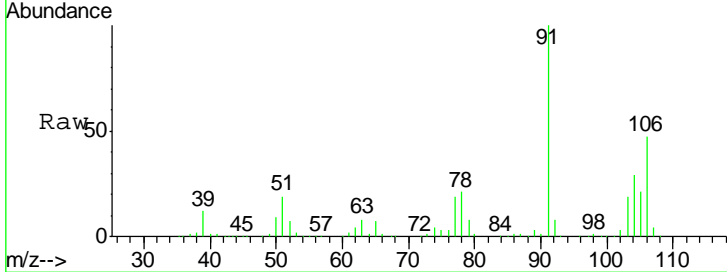


#69
 o-Xylene
 Concen: 20.747 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

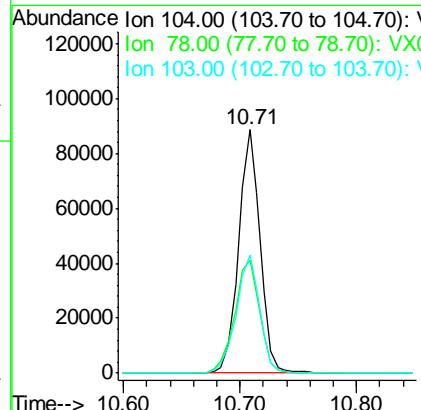
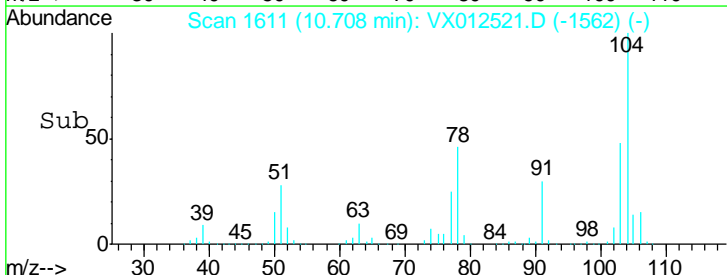
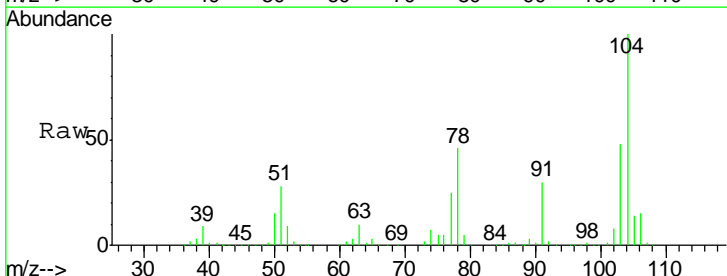
Tgt Ion	Resp	Lower	Upper
106	64522		
106	100		
91	218.6	109.4	328.2

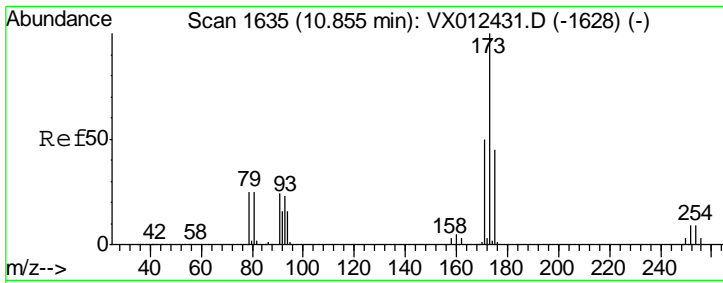
Manual Integrations
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#70
 Styrene
 Concen: 20.645 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
104	113602		
104	100		
78	54.1	43.4	65.2
103	53.1	43.3	64.9



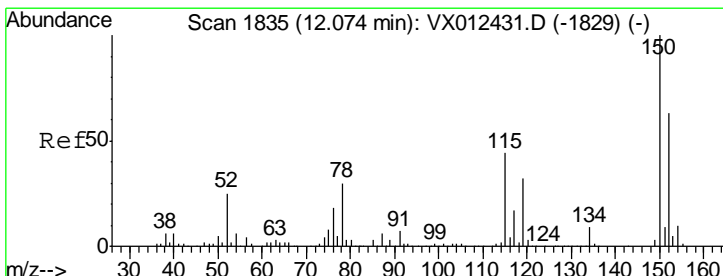
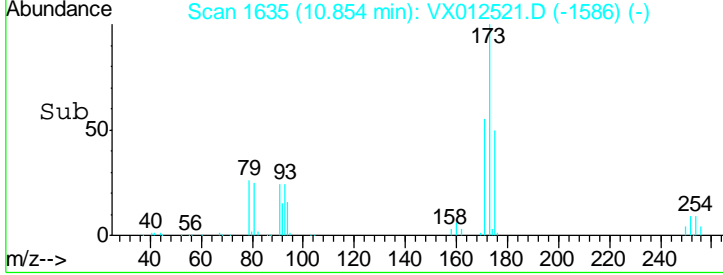
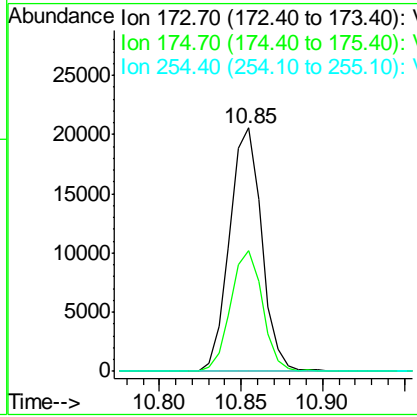
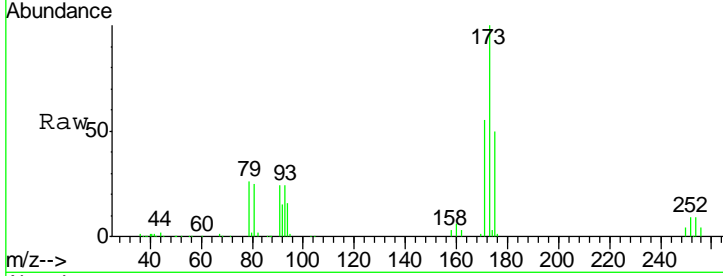


#71
 Bromoform
 Concen: 18.253 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

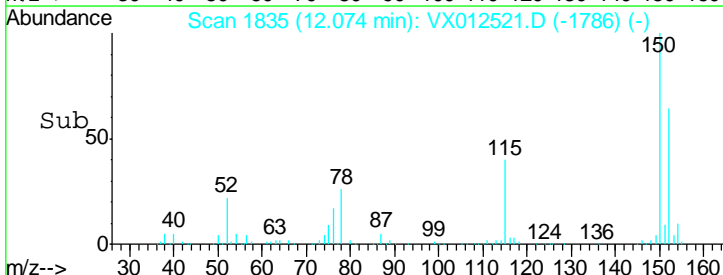
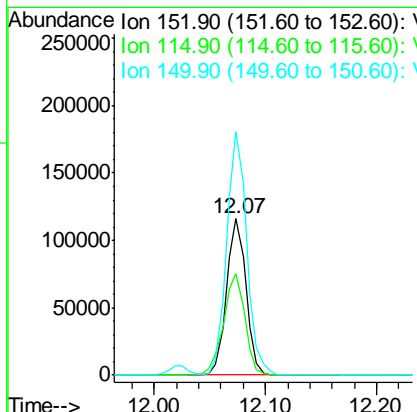
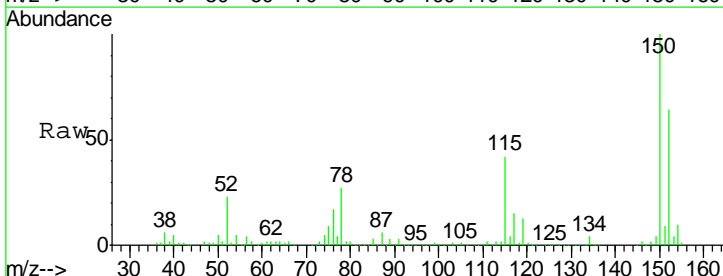
Tgt Ion	Resp	Lower	Upper
173	100		
175	49.1	23.7	71.1
254	0.0	0.1	0.1

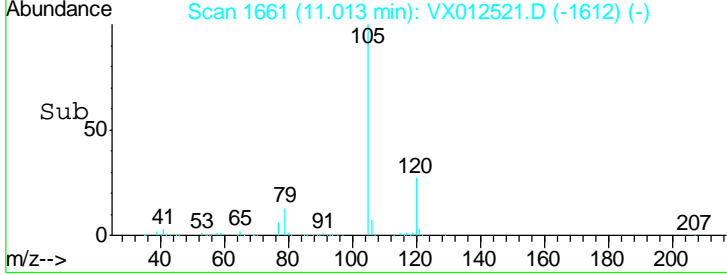
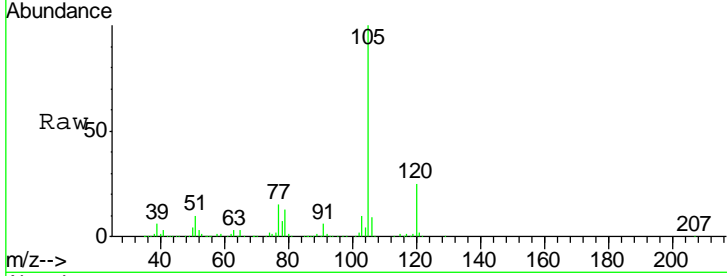
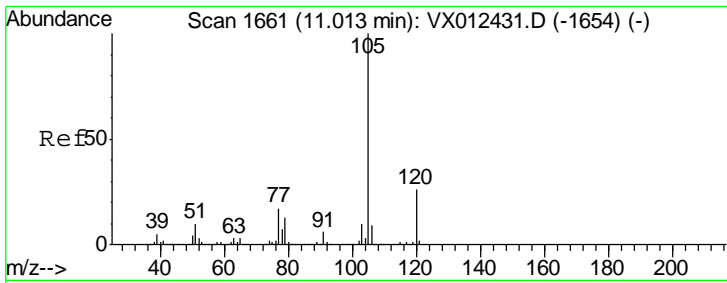
Manual Integrations APPROVED
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
152	100		
115	71.6	44.1	132.3
150	161.2	0.0	343.8





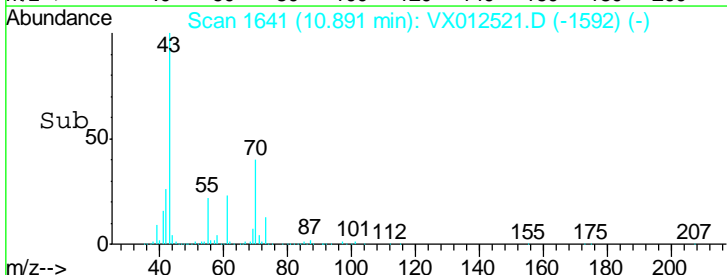
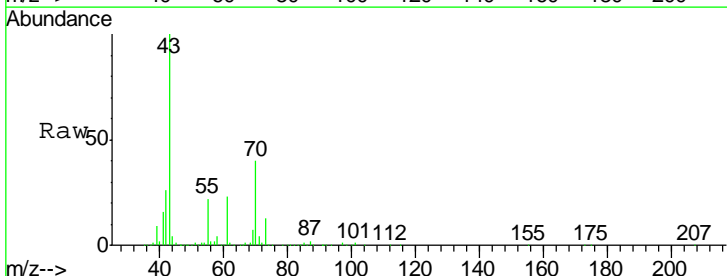
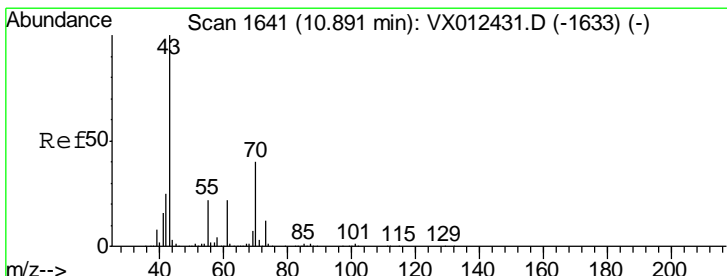
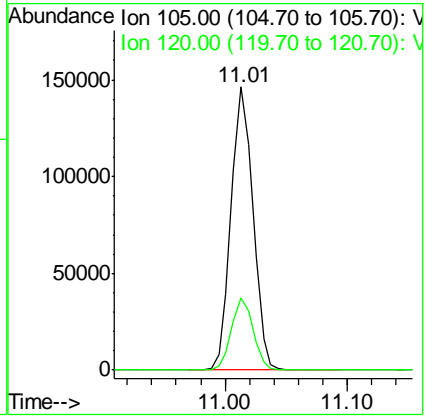
#73
 Isopropylbenzene
 Concen: 20.651 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion: 105 Resp: 180830

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7

Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

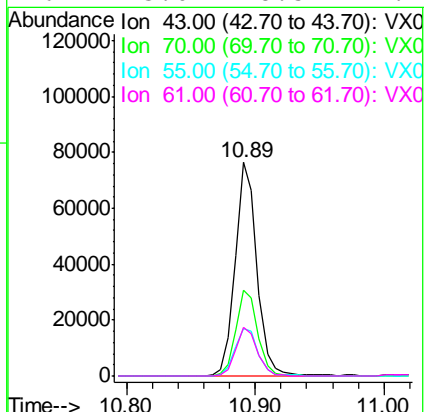
Manual Integrations APPROVED
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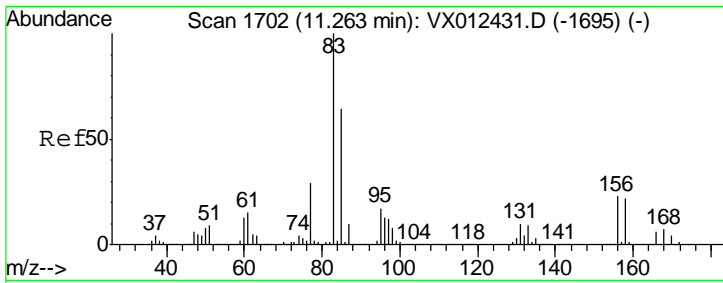


#74
 N-aryl acetate
 Concen: 19.053 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion: 43 Resp: 89824

Ion	Ratio	Lower	Upper
43	100		
70	41.0	32.4	48.6
55	23.9	18.2	27.4
61	23.0	18.5	27.7



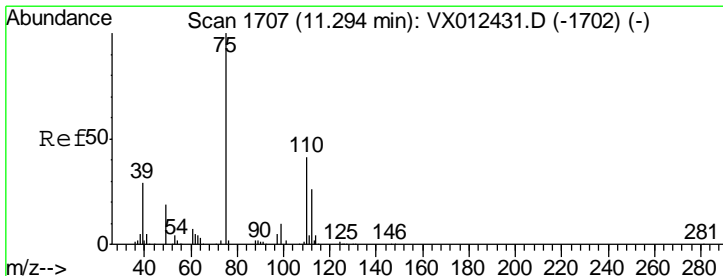
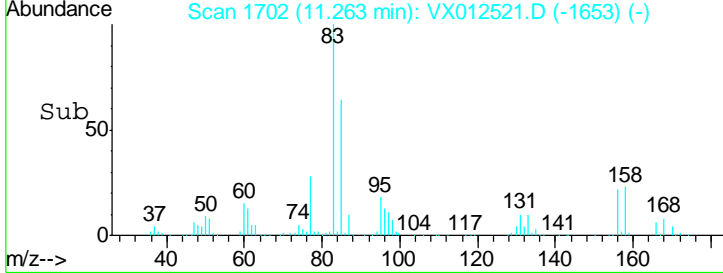
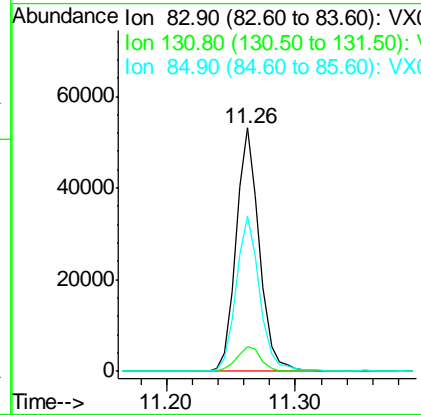
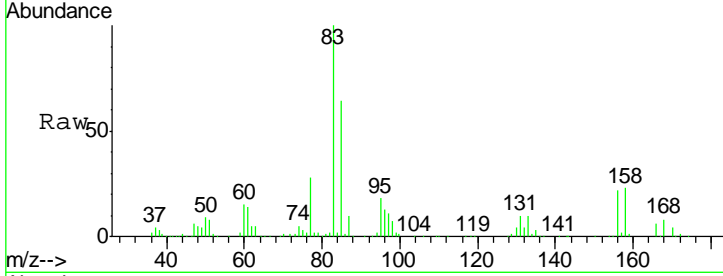


#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.533 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

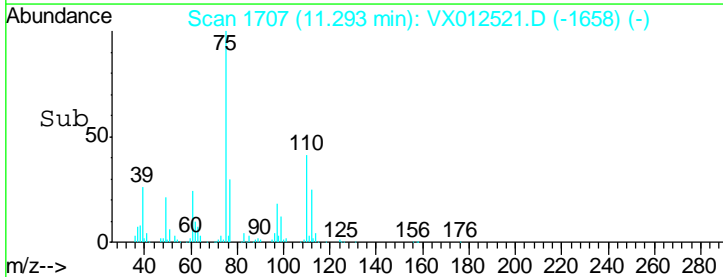
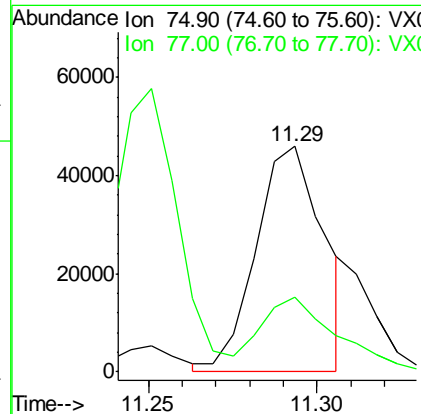
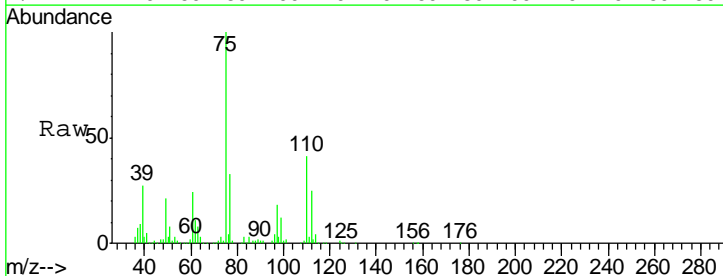
Tgt Ion	Resp	Lower	Upper
83	67095		
83	100		
131	10.5	5.2	15.6
85	64.8	32.0	96.0

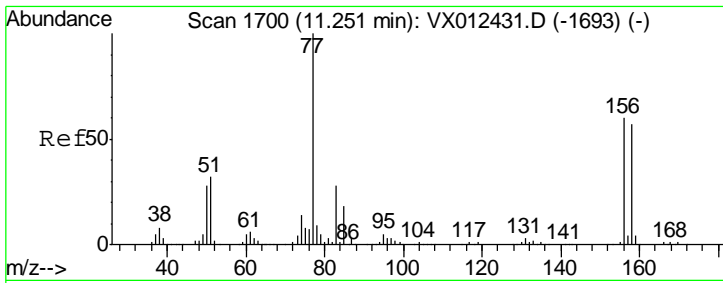
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#76
 1,2,3-Trichloropropane
 Concen: 20.107 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

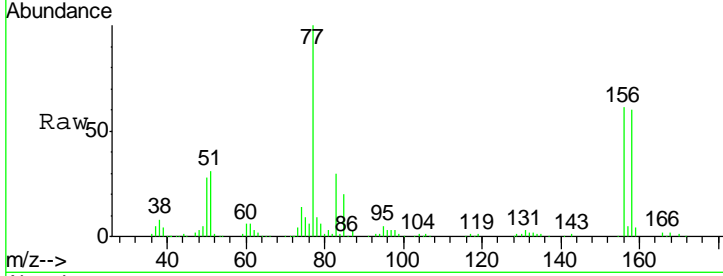
Tgt Ion	Resp	Lower	Upper
75	64458		
75	100		
77	37.2	19.7	59.0





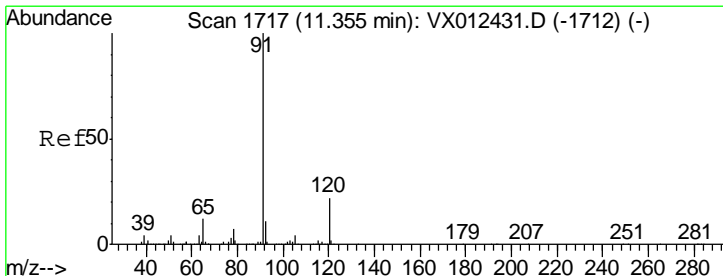
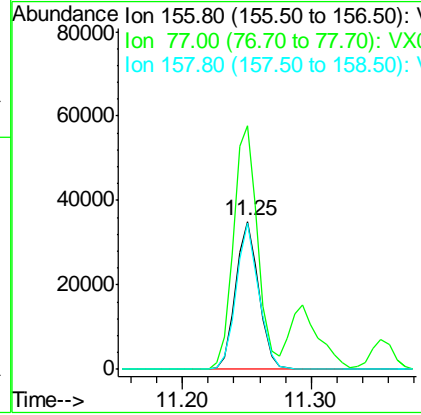
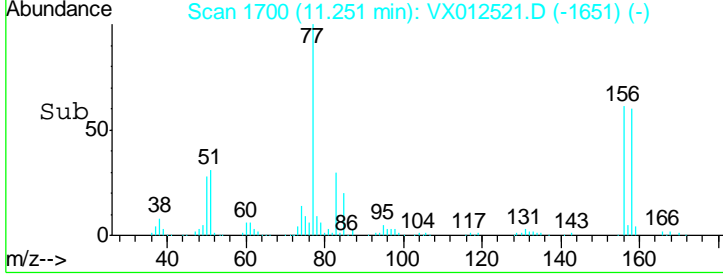
#77
 Bromobenzene
 Concen: 20.604 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

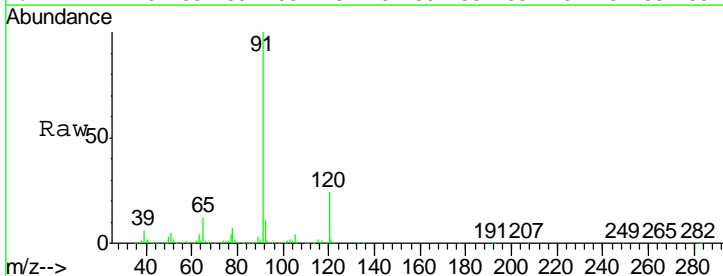


Tgt Ion	Resp	Lower	Upper
156	100		
77	173.4	87.3	261.8
158	96.9	48.5	145.6

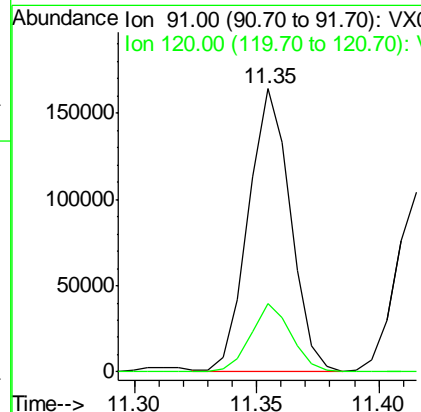
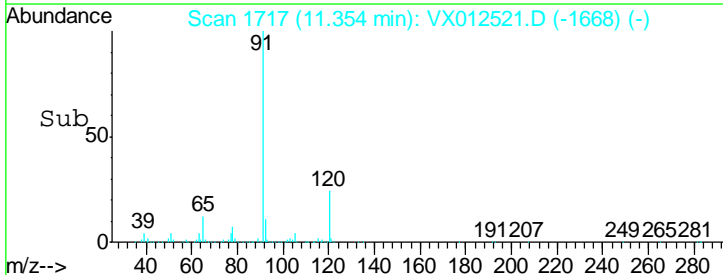
Manual Integrations APPROVED
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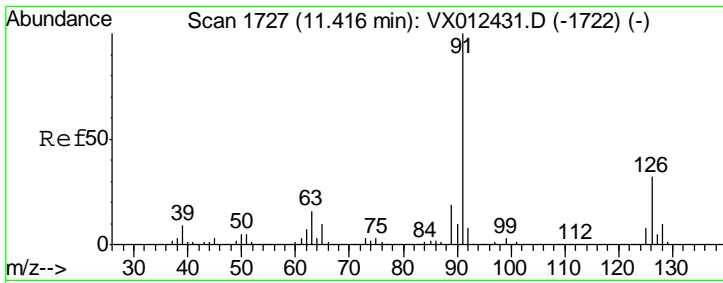


#78
 n-propylbenzene
 Concen: 20.003 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27



Tgt Ion	Resp	Lower	Upper
91	100		
120	23.3	11.3	33.8



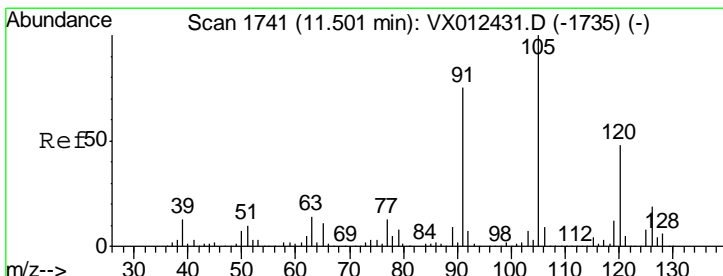
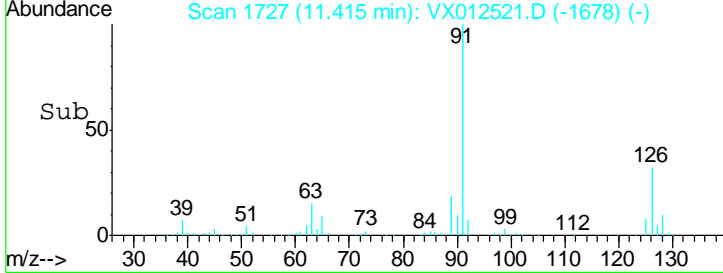
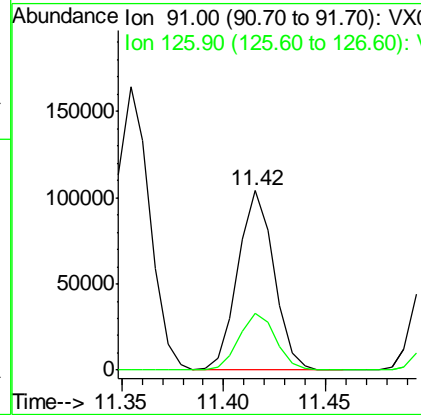
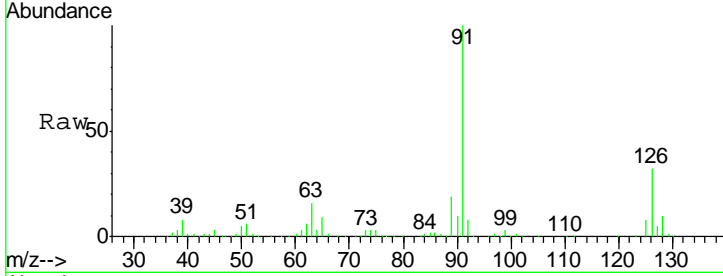


#79
 2-Chlorotoluene
 Concen: 19.961 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

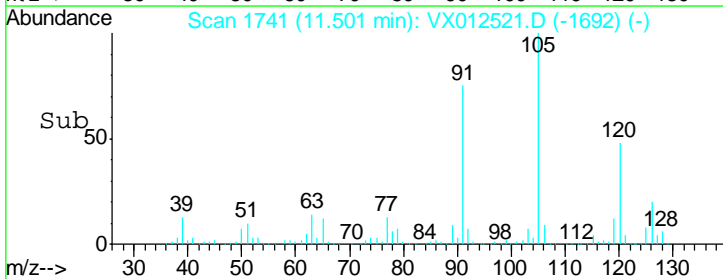
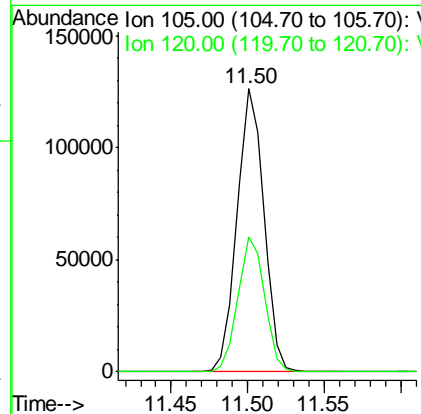
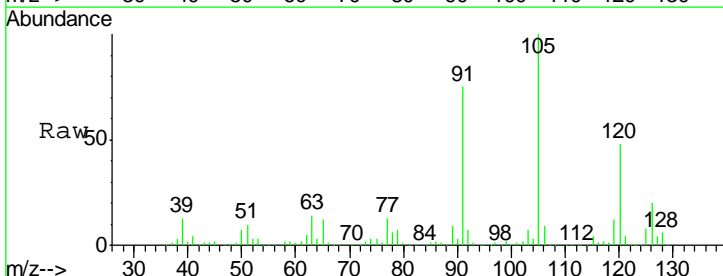
Tgt Ion	Resp	Lower	Upper
91	100		
126	32.4	16.4	49.4

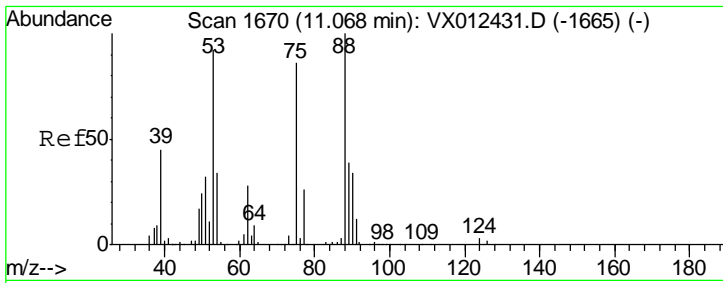
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.630 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
105	100		
120	47.3	24.3	72.8



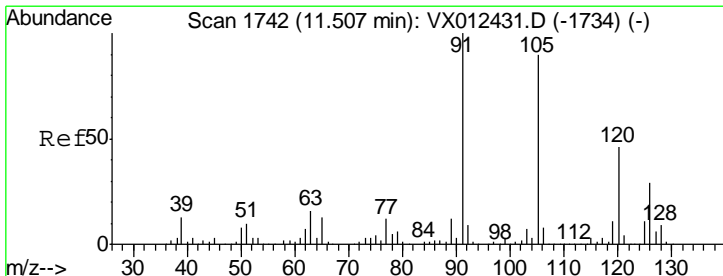
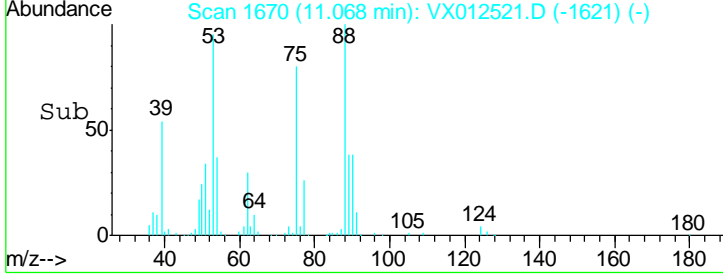
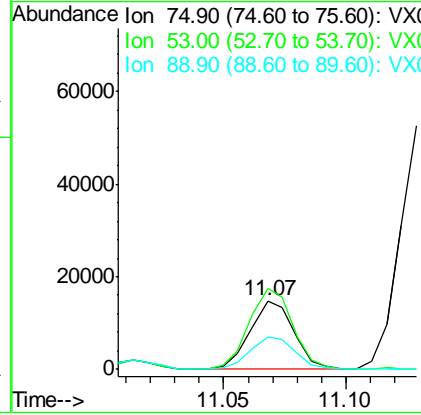
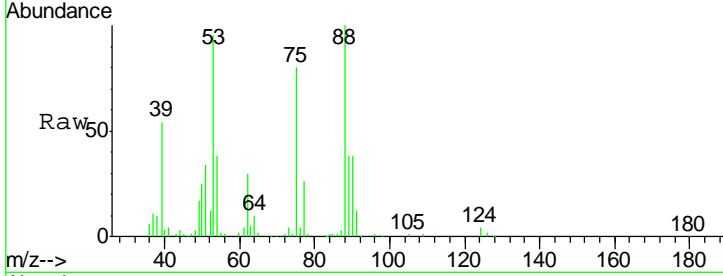


#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.069 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

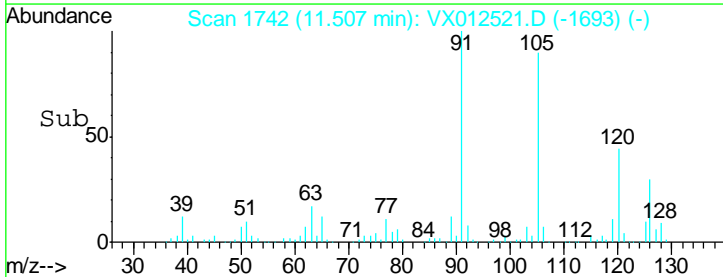
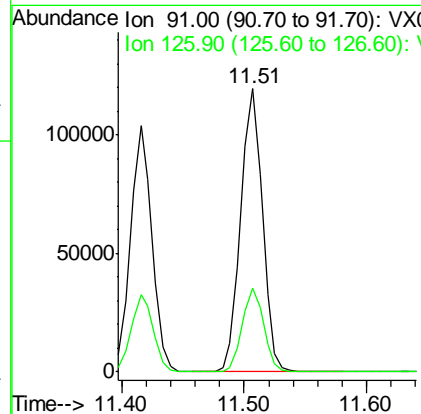
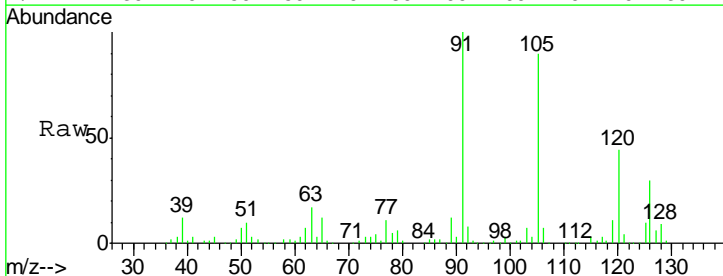
Tgt Ion	Resp	Lower	Upper
75	18639		
75	100		
53	118.7	83.6	125.4
89	48.1	36.3	54.5

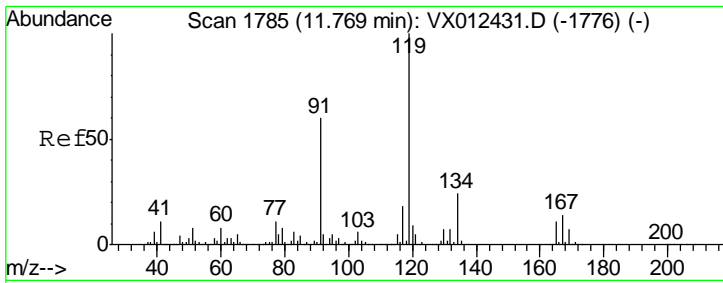
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#82
 4-Chlorotoluene
 Concen: 20.030 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
91	145955		
91	100		
126	29.1	14.4	43.0





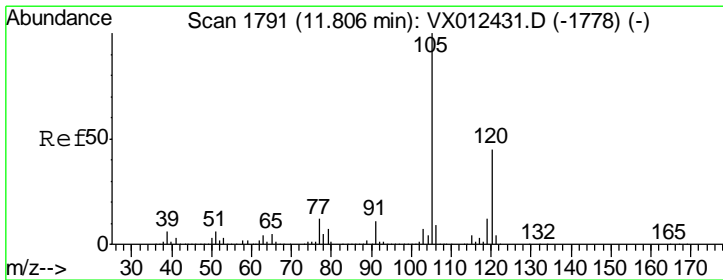
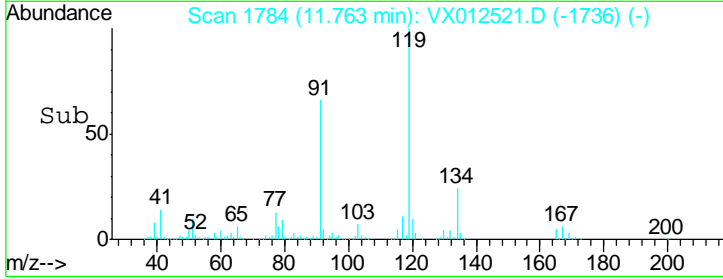
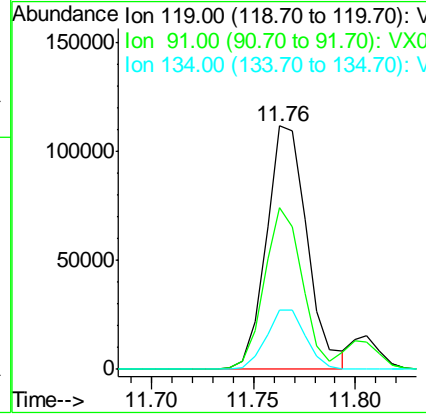
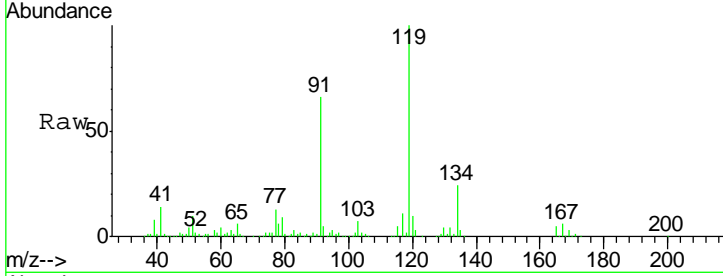
#83
 tert-Butylbenzene
 Concen: 19.499 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

Tgt Ion	Resp	Lower	Upper
119	156037		
91	61.4	30.0	90.0
134	23.6	11.3	33.9

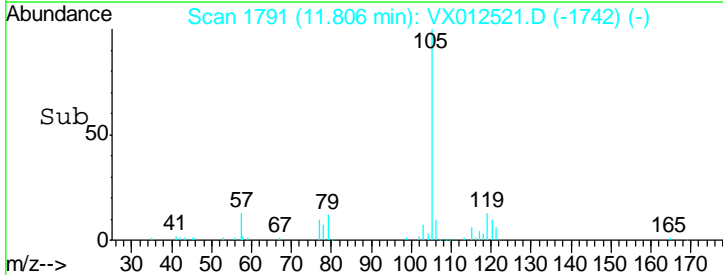
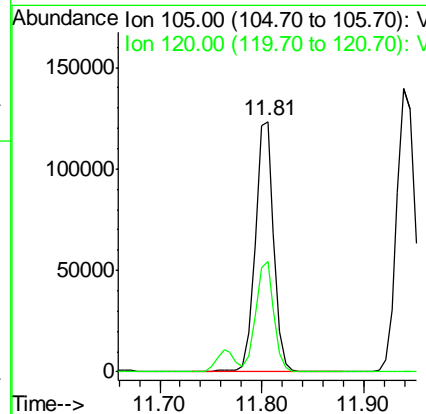
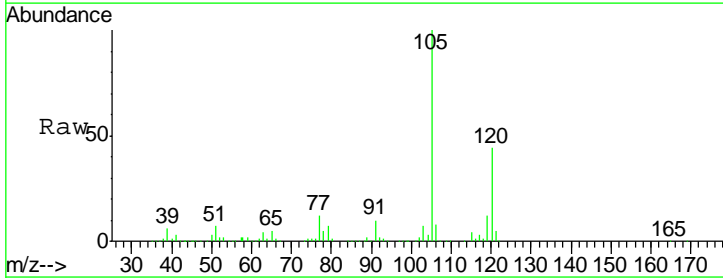
Manual Integrations
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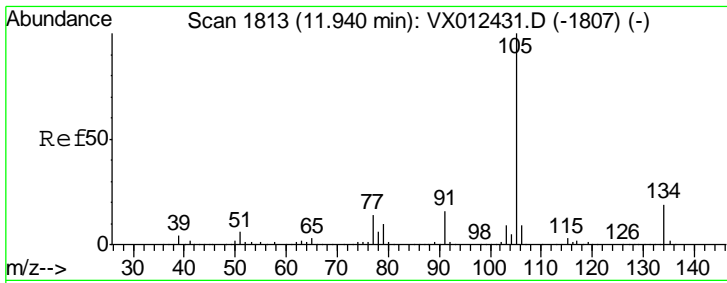
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.403 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
105	156443		
120	42.9	22.2	66.6





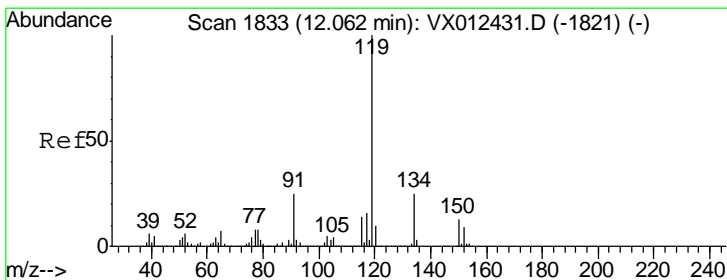
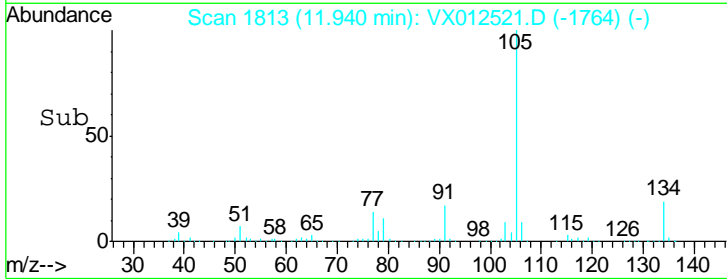
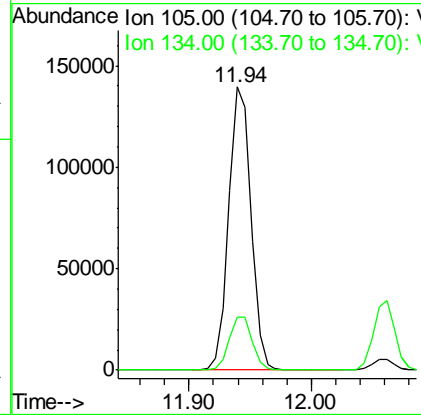
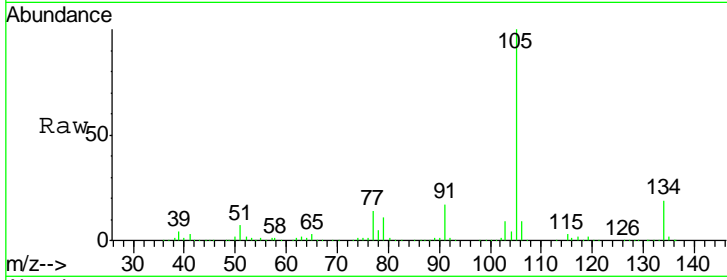
#85
 sec-Butylbenzene
 Concen: 19.911 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

Tgt Ion	Resp	Lower	Upper
105	175570		
134	19.5	9.8	29.4

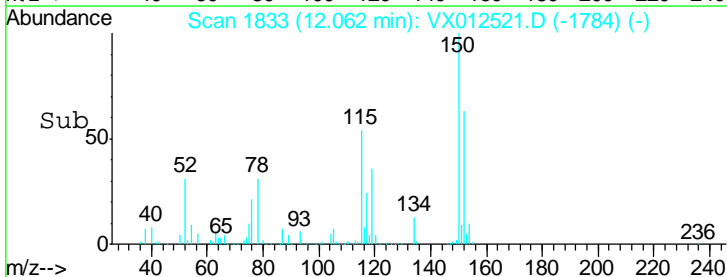
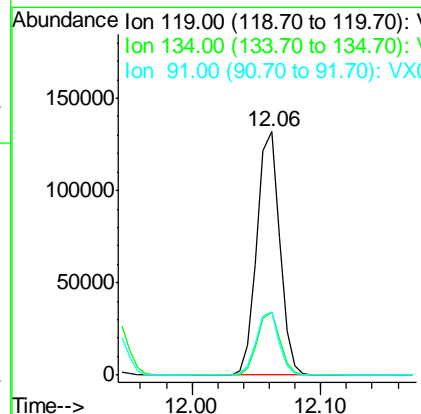
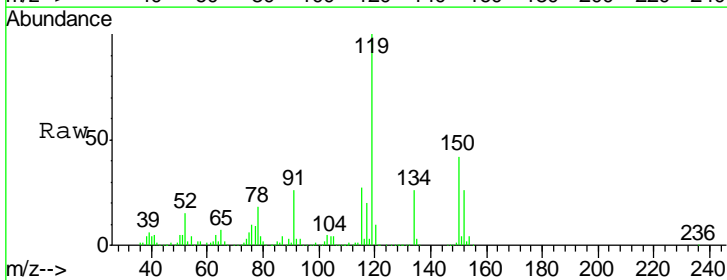
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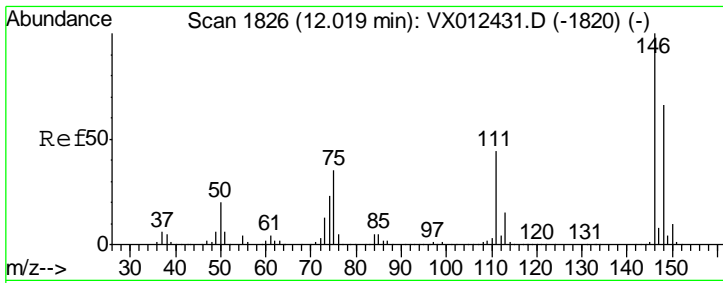
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#86
 p-Isopropyltoluene
 Concen: 19.767 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

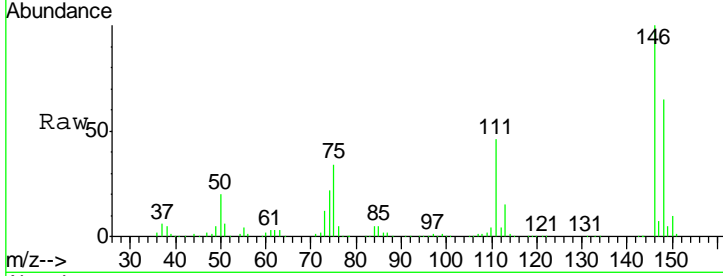
Tgt Ion	Resp	Lower	Upper
119	160054		
134	25.8	12.7	38.1
91	26.1	12.8	38.4





#87
 1,3-Dichlorobenzene
 Concen: 20.296 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

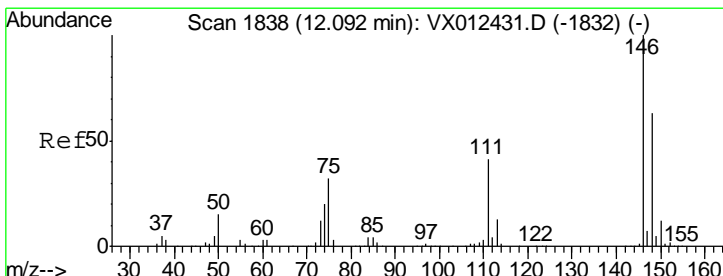
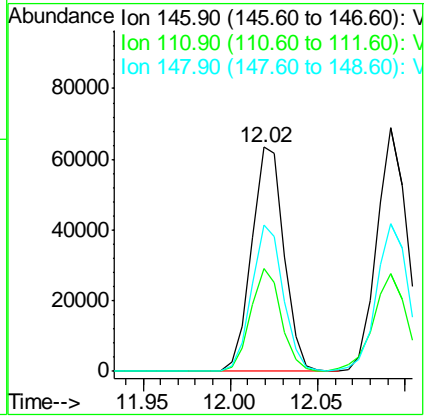
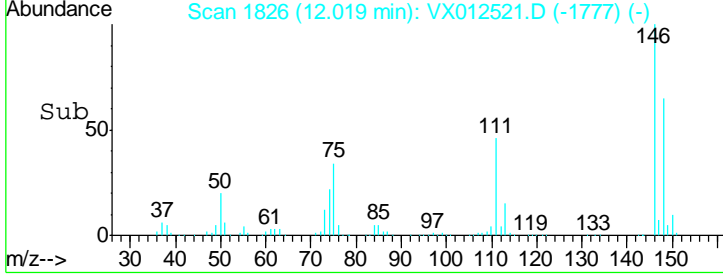
Instrument : MSVOA_X
 ClientSampled : VX0919MBS01



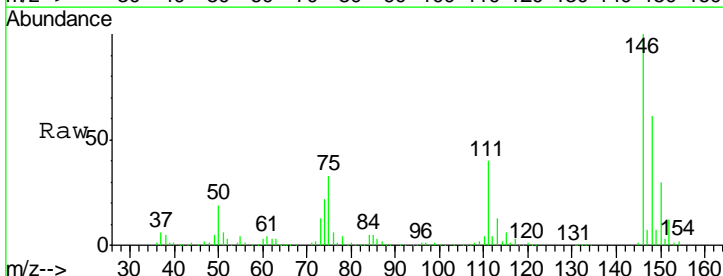
Tgt Ion:146 Resp: 81532

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	64.0
148	63.5	32.4	97.2

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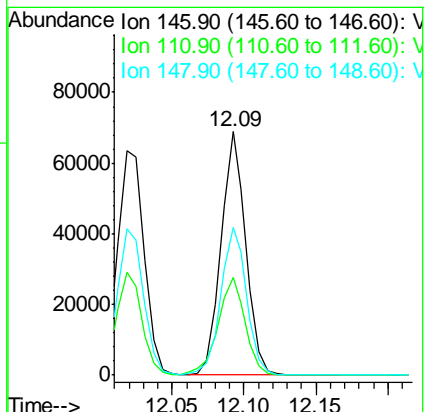
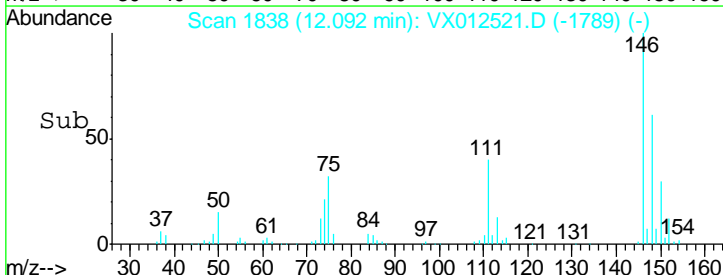


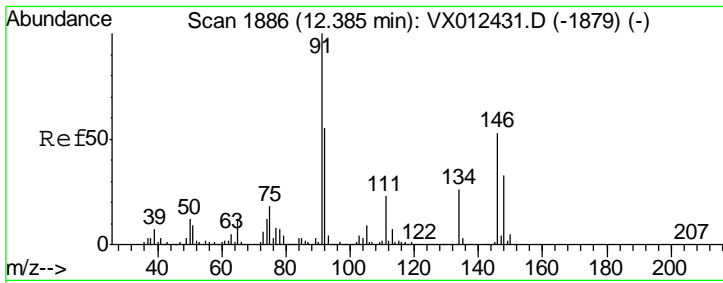
#88
 1,4-Dichlorobenzene
 Concen: 20.109 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27



Tgt Ion:146 Resp: 82980

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.3
148	63.6	32.1	96.5





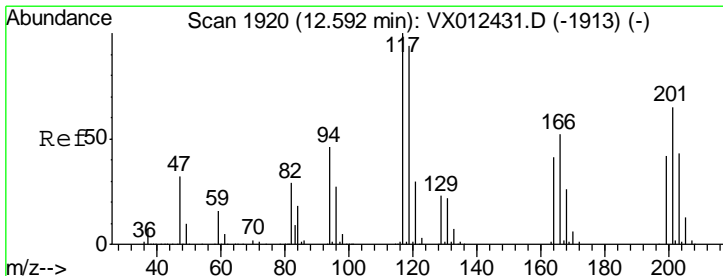
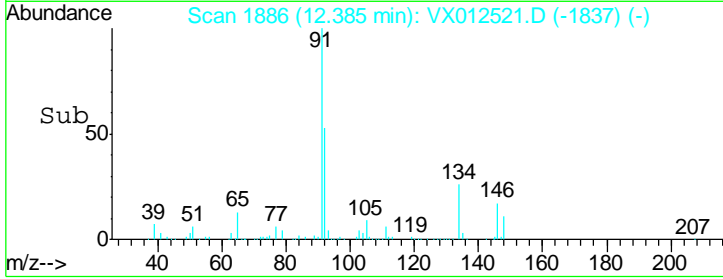
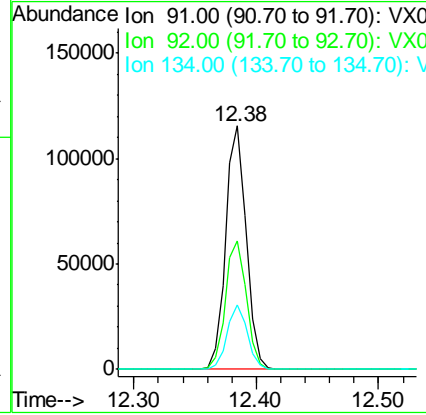
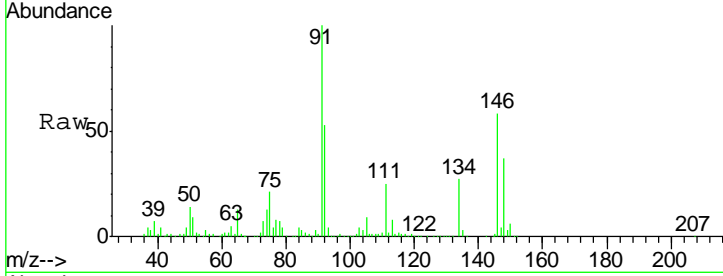
#89
 n-Butylbenzene
 Concen: 18.651 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.4	27.7	83.0
134	26.3	12.9	38.6

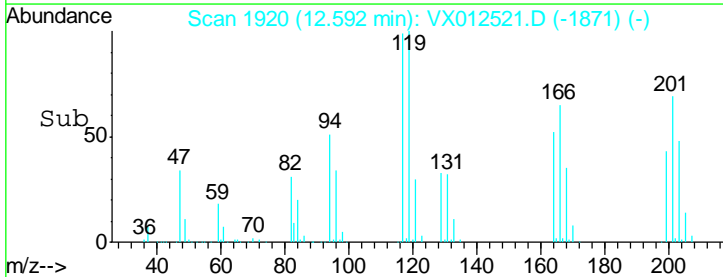
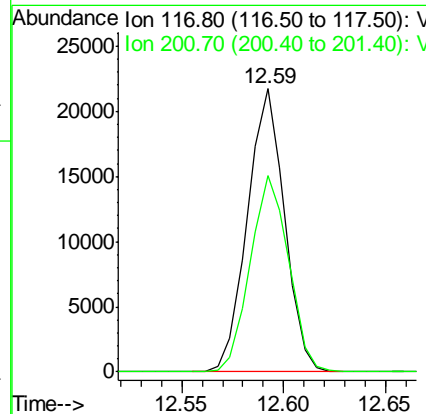
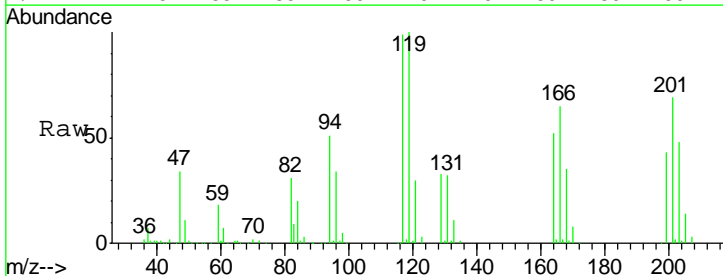
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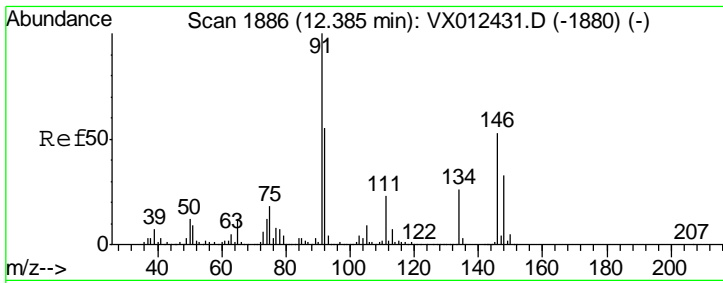
MMDadoda
 9/20/2019 10:45:03 AM



#90
 Hexachloroethane
 Concen: 18.555 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Tgt Ion	Resp	Lower	Upper
117	100		
201	71.8	33.3	99.8



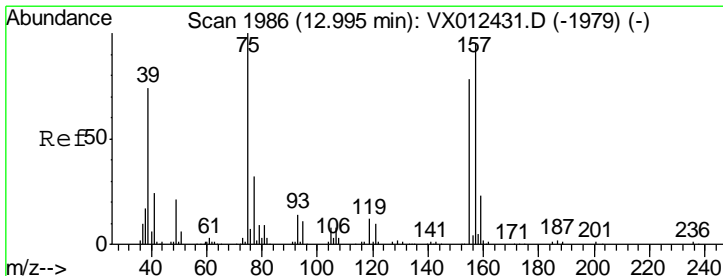
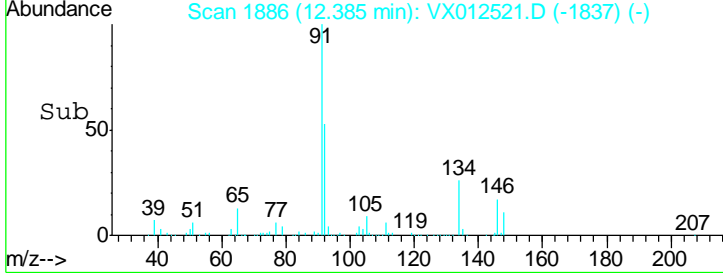
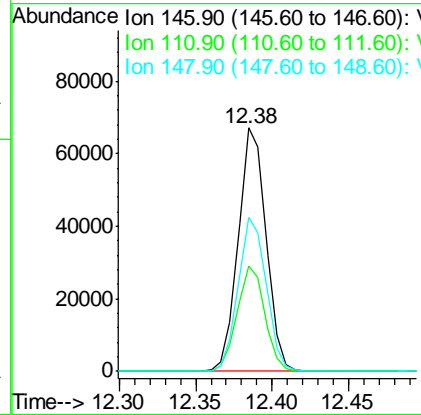
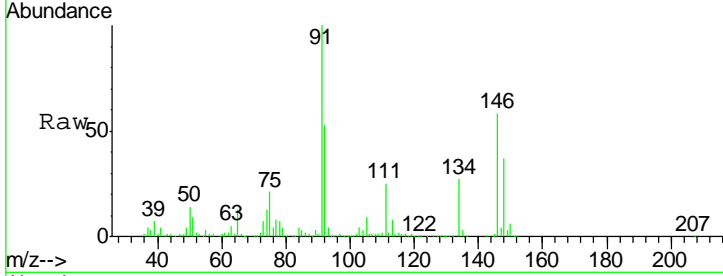


#91
 1,2-Dichlorobenzene
 Concen: 20.157 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 ClientSampled : VX0919MBS01

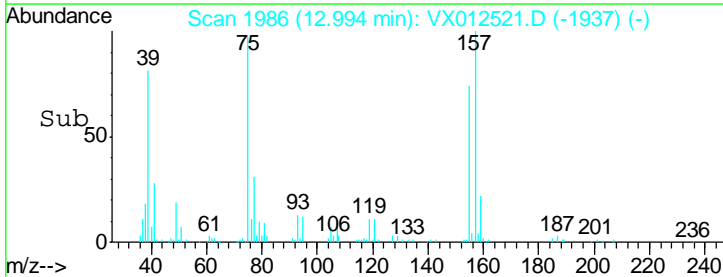
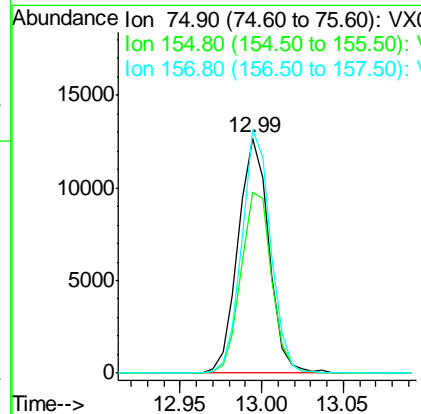
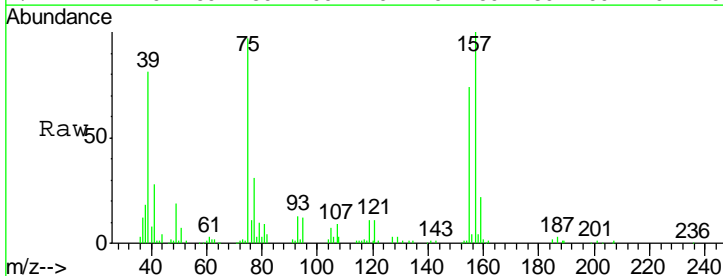
Tgt Ion	Resp	Lower	Upper
146	84634		
146	100		
111	43.1	22.1	66.1
148	64.1	31.3	93.9

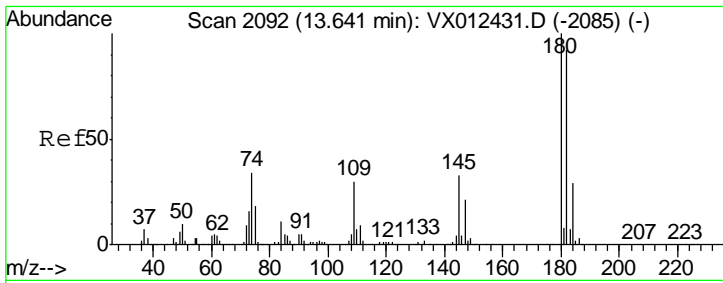
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.683 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

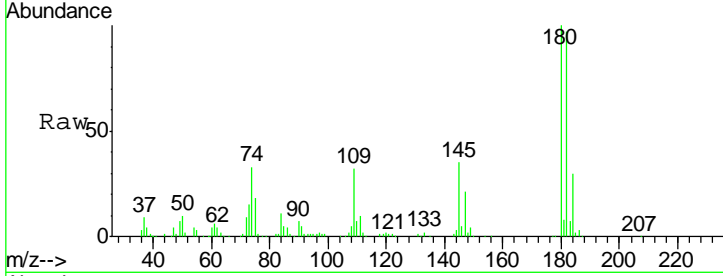
Tgt Ion	Resp	Lower	Upper
75	16638		
75	100		
155	77.2	38.6	115.8
157	97.3	50.6	151.9





#93
 1,2,4-Trichlorobenzene
 Concen: 19.045 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

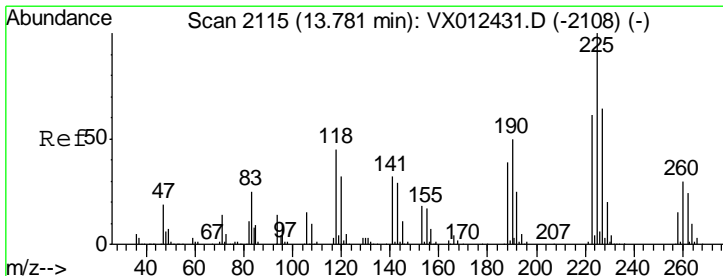
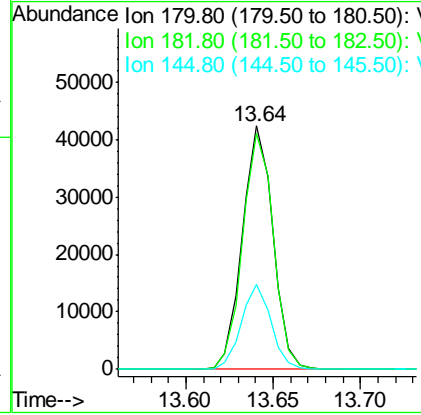
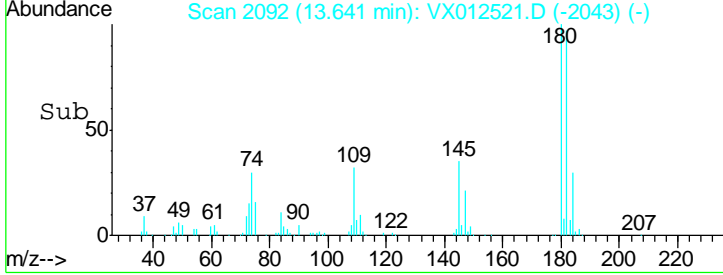
Instrument : MSVOA_X
 ClientSampleId : VX0919MBS01



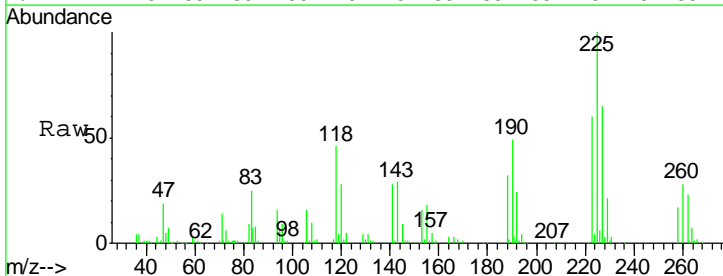
Tgt Ion: 180 Resp: 51507

Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.0	141.0
145	34.1	16.8	50.4

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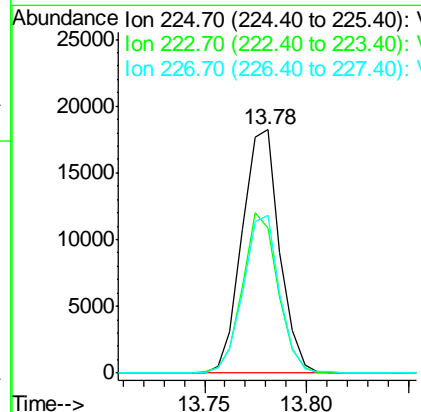
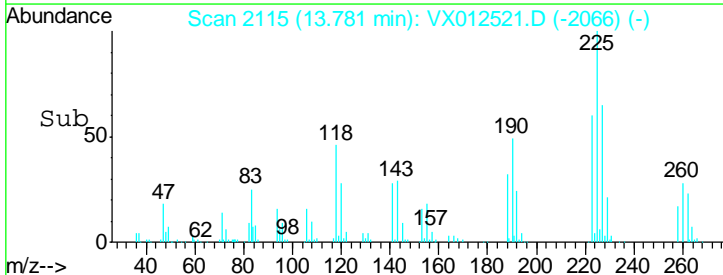


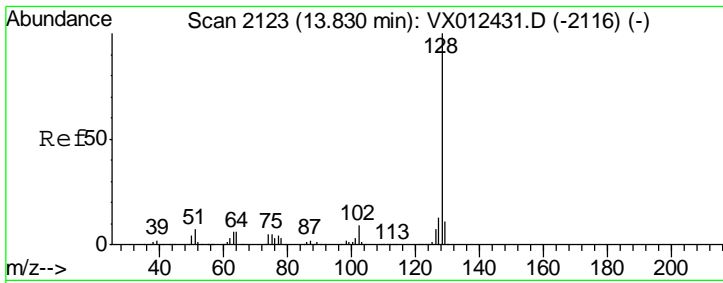
#94
 Hexachlorobutadiene
 Concen: 18.164 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27



Tgt Ion: 225 Resp: 23152

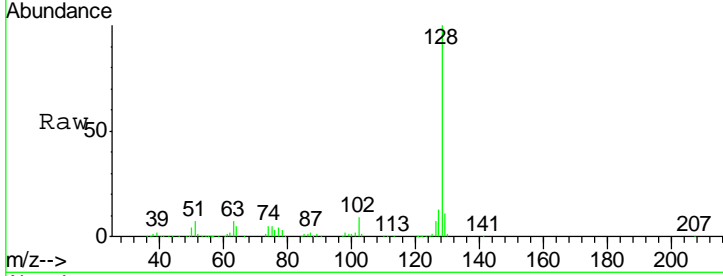
Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.0	96.2
227	63.0	31.9	95.5





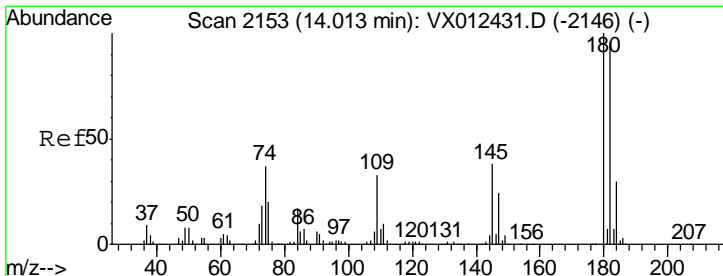
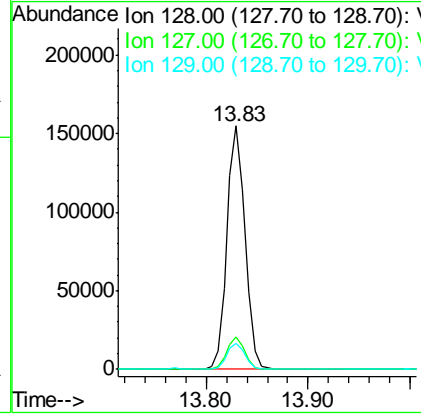
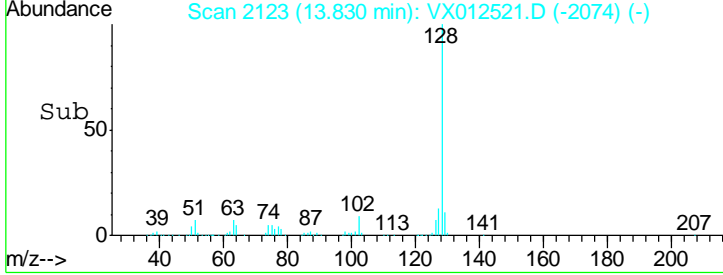
#95
 Naphthalene
 Concen: 19.920 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27

Instrument : MSVOA_X
 Client Sampled : VX0919MBS01

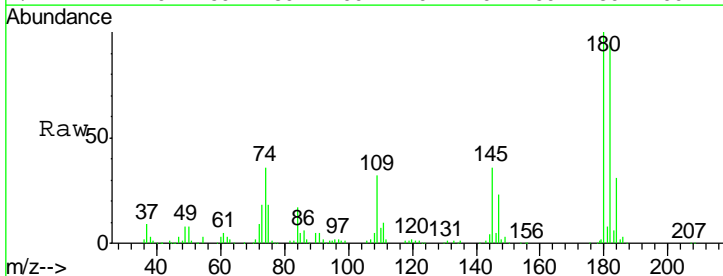


Tgt Ion	Resp	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.8	8.8	13.2

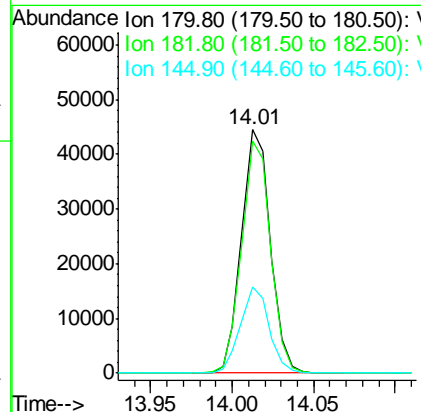
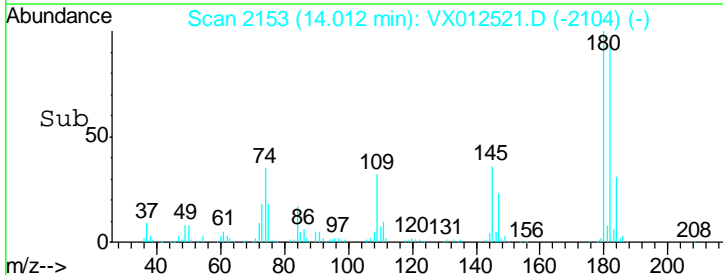
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 9/20/2019 10:45:03 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 19.930 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX012521.D
 Acq: 19 Sep 2019 12:27



Tgt Ion	Resp	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	35.5	18.0	54.0





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0920MBS01	SDG No.:	K4888
Lab Sample ID:	VX0920MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012549.D	1		09/20/19 12:05	VX092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		90.9	500	ug/Kg
74-87-3	Chloromethane	1900		180	500	ug/Kg
75-01-4	Vinyl Chloride	1900		110	500	ug/Kg
74-83-9	Bromomethane	2200		37.8	500	ug/Kg
75-00-3	Chloroethane	1800		57.5	500	ug/Kg
75-69-4	Trichlorofluoromethane	1900		64.6	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		80.1	500	ug/Kg
75-35-4	1,1-Dichloroethene	1900		99.1	500	ug/Kg
67-64-1	Acetone	9000		770	2500	ug/Kg
75-15-0	Carbon Disulfide	1700		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1900		140	500	ug/Kg
79-20-9	Methyl Acetate	1900		280	500	ug/Kg
75-09-2	Methylene Chloride	1900		520	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2000		130	500	ug/Kg
75-34-3	1,1-Dichloroethane	2000		91.0	500	ug/Kg
110-82-7	Cyclohexane	1900		180	500	ug/Kg
78-93-3	2-Butanone	9000		670	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1900		82.5	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1900		98.6	500	ug/Kg
74-97-5	Bromochloromethane	1900		120	500	ug/Kg
67-66-3	Chloroform	1900		86.3	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1900		110	500	ug/Kg
108-87-2	Methylcyclohexane	1900		120	500	ug/Kg
71-43-2	Benzene	2000		83.9	500	ug/Kg
107-06-2	1,2-Dichloroethane	2000		120	500	ug/Kg
79-01-6	Trichloroethene	2100		93.2	500	ug/Kg
78-87-5	1,2-Dichloropropane	2000		120	500	ug/Kg
75-27-4	Bromodichloromethane	1900		99.3	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9700		560	2500	ug/Kg
108-88-3	Toluene	2000		97.5	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1900		100	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2000		110	500	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0920MBS01	SDG No.:	K4888
Lab Sample ID:	VX0920MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012549.D	1		09/20/19 12:05	VX092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2000		140	500	ug/Kg
591-78-6	2-Hexanone	9600		740	2500	ug/Kg
124-48-1	Dibromochloromethane	1900		130	500	ug/Kg
106-93-4	1,2-Dibromoethane	2100		130	500	ug/Kg
127-18-4	Tetrachloroethene	2400		69.5	500	ug/Kg
108-90-7	Chlorobenzene	2000		78.8	500	ug/Kg
100-41-4	Ethyl Benzene	2000		85.4	500	ug/Kg
179601-23-1	m/p-Xylenes	4000		170	1000	ug/Kg
95-47-6	o-Xylene	2000		110	500	ug/Kg
100-42-5	Styrene	2000		99.1	500	ug/Kg
75-25-2	Bromoform	1800		330	500	ug/Kg
98-82-8	Isopropylbenzene	2000		86.6	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000		110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		110	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		110	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		130	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1900		330	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2000		110	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2000		130	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		56 - 120	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		67 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		33 - 141	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	5.65			
540-36-3	1,4-Difluorobenzene	308000	6.85			
3114-55-4	Chlorobenzene-d5	278000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	129000	12.07			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX0920MBS01	SDG No.:	K4888
Lab Sample ID:	VX0920MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX012549.D	1		09/20/19 12:05	VX092019

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012549.D
 Acq On : 20 Sep 2019 12:05
 Operator : JC/SP
 Sample : VX0920MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX0920MBS01

Manual Integrations
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MMDadoda
 9/23/2019 11:29:40 AM

Quant Time: Sep 20 16:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	129054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	128015	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	5.49	113	94422	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	8.71	98	347802	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	139177	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	21958	17.869	ug/l 98
3) Chloromethane	1.32	50	19284	18.775	ug/l 99
4) Vinyl Chloride	1.40	62	20961	18.881	ug/l 97
5) Bromomethane	1.63	94	9570	21.942	ug/l 95
6) Chloroethane	1.71	64	15250	17.554	ug/l 97
7) Trichlorofluoromethane	1.92	101	38736	19.034	ug/l 95
8) Diethyl Ether	2.18	74	17540	19.082	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28198	19.151	ug/l 98
10) Methyl Iodide	2.50	142	21260	19.773	ug/l 97
11) Tert butyl alcohol	3.03	59	62609	88.408	ug/l 99
12) 1,1-Dichloroethene	2.36	96	22268	18.958	ug/l 98
13) Acrolein	2.28	56	20541	86.262	ug/l 99
14) Allyl chloride	2.72	41	51238	18.737	ug/l 98
15) Acrylonitrile	3.13	53	112005	96.529	ug/l 100
16) Acetone	2.43	43	116497	90.128	ug/l 99
17) Carbon Disulfide	2.56	76	26972	17.457	ug/l 98
18) Methyl Acetate	2.77	43	53556	19.194	ug/l 97
19) Methyl tert-butyl Ether	3.19	73	121607	18.988	ug/l 99
20) Methylene Chloride	2.85	84	30163	18.613	ug/l 94
21) trans-1,2-Dichloroethene	3.15	96	24105	19.762	ug/l 98
22) Diisopropyl ether	3.84	45	123854	19.343	ug/l 98
23) Vinyl Acetate	3.80	43	512565	97.314	ug/l 100
24) 1,1-Dichloroethane	3.69	63	59817	19.525	ug/l 98
25) 2-Butanone	4.66	43	168059	90.482	ug/l 98
26) 2,2-Dichloropropane	4.57	77	54130	17.966	ug/l 98
27) cis-1,2-Dichloroethene	4.58	96	35414	19.436	ug/l 99
28) Bromochloromethane	5.00	49	30701	19.438	ug/l 96
29) Tetrahydrofuran	5.11	42	99587	97.055	ug/l 99
30) Chloroform	5.20	83	66134	18.797	ug/l 99
31) Cyclohexane	5.57	56	35609	19.255	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	54415	18.504	ug/l 98
36) 1,1-Dichloropropene	5.79	75	34844	18.636	ug/l 96
37) Ethyl Acetate	4.82	43	58789	20.484	ug/l 97
38) Carbon Tetrachloride	5.78	117	43517	18.714	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012549.D
 Acq On : 20 Sep 2019 12:05
 Operator : JC/SP
 Sample : VX0920MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Manual Integrations
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 9/23/2019 11:29:40 AM

Quant Time: Sep 20 16:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	34940	19.223	ug/l	98
40) Benzene	6.14	78	119313	20.068	ug/l	99
41) Methacrylonitrile	5.03	41	34402	18.616	ug/l	96
42) 1,2-Dichloroethane	6.19	62	54072	19.608	ug/l	99
43) Isopropyl Acetate	6.44	43	99123	19.243	ug/l	99
44) Trichloroethene	7.21	130	32252	20.622	ug/l	97
45) 1,2-Dichloropropane	7.51	63	36337	19.893	ug/l	97
46) Dibromomethane	7.65	93	22750	19.246	ug/l	99
47) Bromodichloromethane	7.89	83	49809	18.925	ug/l	98
48) Methyl methacrylate	7.76	41	45415	18.704	ug/l	97
49) 1,4-Dioxane	7.73	88	22304	377.414	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	328875	97.358	ug/l	98
52) Toluene	8.78	92	77307	20.179	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52412	19.157	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	55544	19.610	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38705	19.610	ug/l	99
56) Ethyl methacrylate	9.17	69	60018	19.449	ug/l	98
57) 1,3-Dichloropropane	9.37	76	62253	19.768	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	172742	108.138	ug/l	99
59) 2-Hexanone	9.49	43	251762	95.531	ug/l	99
60) Dibromochloromethane	9.57	129	39040	19.418	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37068	20.563	ug/l	99
64) Tetrachloroethene	9.33	164	30613	24.046	ug/l	92
65) Chlorobenzene	10.14	112	90661	19.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	37393	19.649	ug/l	98
67) Ethyl Benzene	10.25	91	155650	19.757	ug/l	99
68) m/p-Xylenes	10.36	106	115866	40.422	ug/l	98
69) o-Xylene	10.70	106	59269	20.106	ug/l	98
70) Styrene	10.71	104	103460	19.836	ug/l	99
71) Bromoform	10.86	173	26763	18.266	ug/l #	100
73) Isopropylbenzene	11.01	105	165681	20.461	ug/l	98
74) N-amyl acetate	10.89	43	86147	19.761	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	63206	19.899	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	60815m	20.515	ug/l	
77) Bromobenzene	11.25	156	40039	20.275	ug/l	97
78) n-propylbenzene	11.35	91	182357	20.206	ug/l	97
79) 2-Chlorotoluene	11.42	91	117062	19.938	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	140828	20.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18027	18.757	ug/l	93
82) 4-Chlorotoluene	11.51	91	134886	20.018	ug/l	99
83) tert-Butylbenzene	11.76	119	144654	19.548	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	143263	20.205	ug/l	99
85) sec-Butylbenzene	11.94	105	162894	19.977	ug/l	99
86) p-Isopropyltoluene	12.06	119	148364	19.815	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	75158	20.232	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	74707	19.578	ug/l	98
89) n-Butylbenzene	12.39	91	122937	18.402	ug/l	99
90) Hexachloroethane	12.59	117	25321	18.443	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	79360	20.440	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15750	19.126	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012549.D
 Acq On : 20 Sep 2019 12:05
 Operator : JC/SP
 Sample : VX0920MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Manual Integrations
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Quant Time: Sep 20 16:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	49033	19.606	ug/l	99
94) Hexachlorobutadiene	13.78	225	20899	17.731	ug/l	100
95) Naphthalene	13.83	128	177376	19.933	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	50485	19.810	ug/l	98

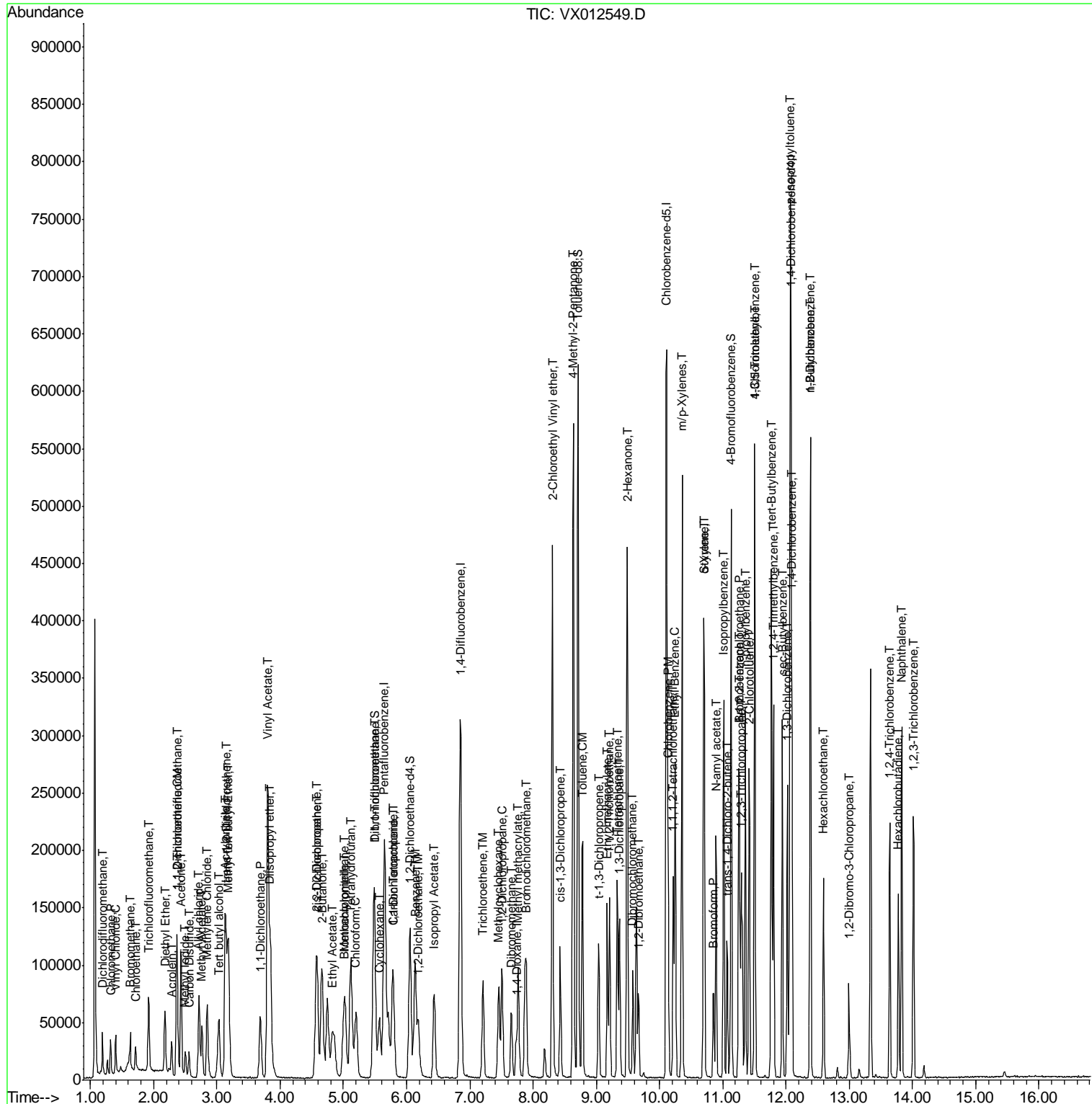
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012549.D
 Acq On : 20 Sep 2019 12:05
 Operator : JC/SP
 Sample : VX0920MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

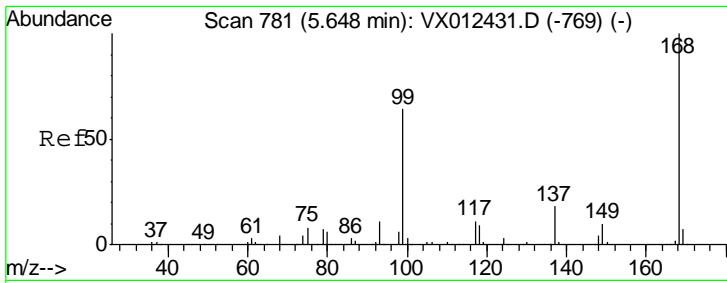
Instrument :
 MSVOA_X
 Client Sampled :
 VX0920MBS01

Manual Integrations
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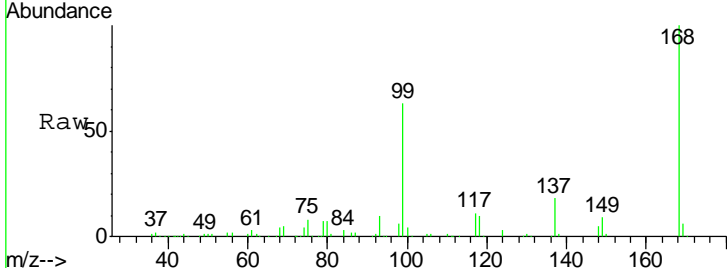
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration



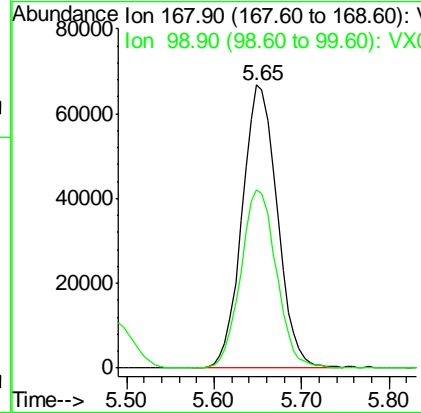
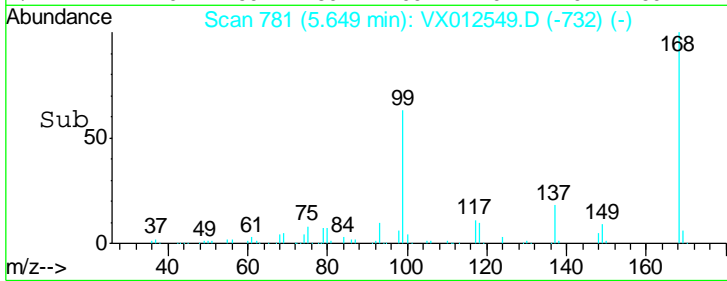
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- 8
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- 10
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- 13
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- 16
- 17
- 18



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

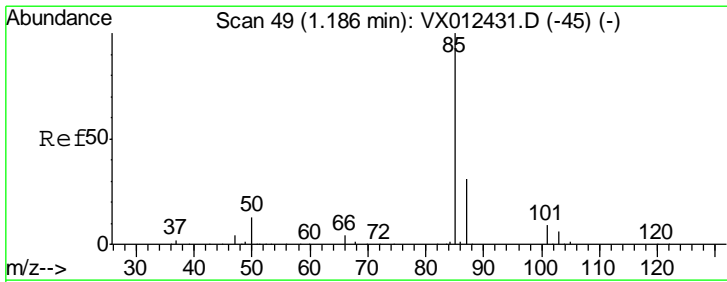


Tgt Ion: 168 Resp: 186829
 Ion Ratio Lower Upper
 168 100
 99 62.7 51.4 77.2

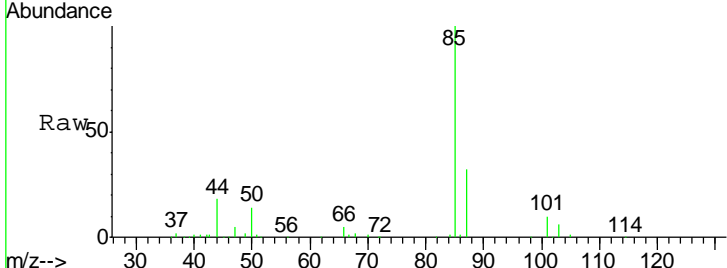


Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

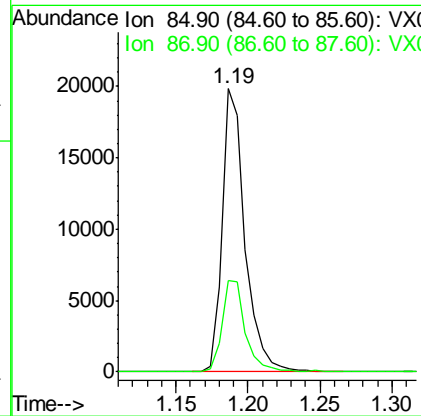
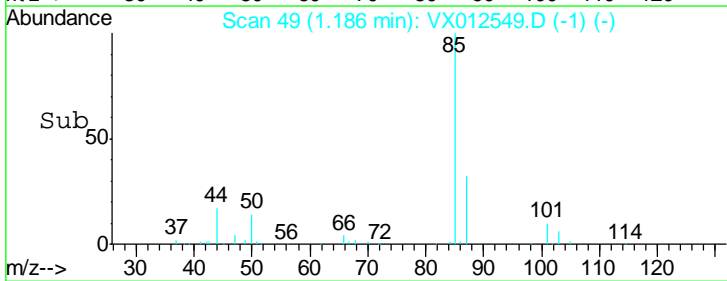
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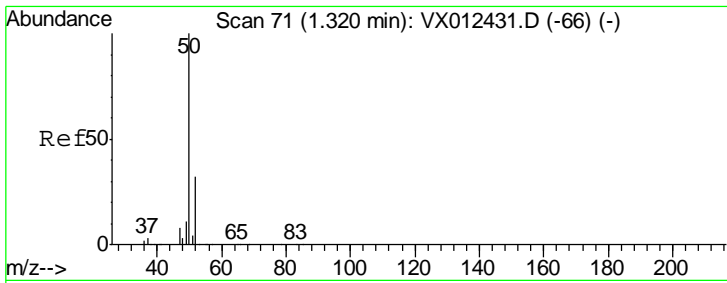


#2
 Dichlorodifluoromethane
 Concen: 17.869 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 85 Resp: 21958
 Ion Ratio Lower Upper
 85 100
 87 32.3 15.6 46.8



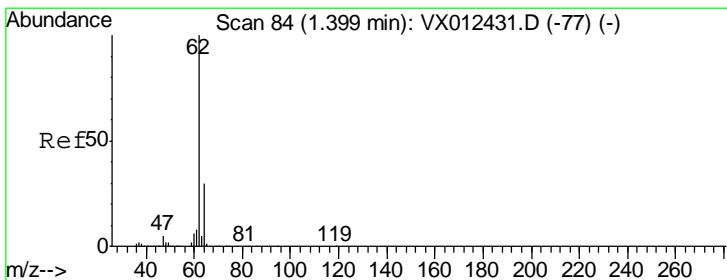
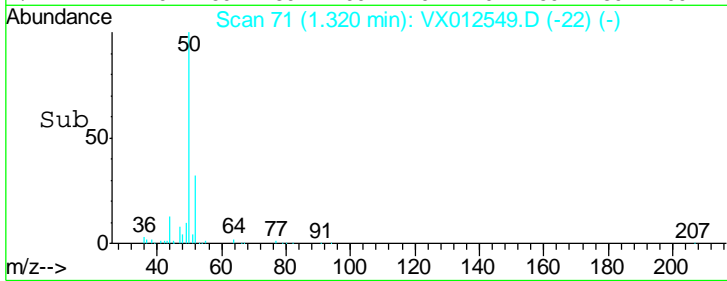
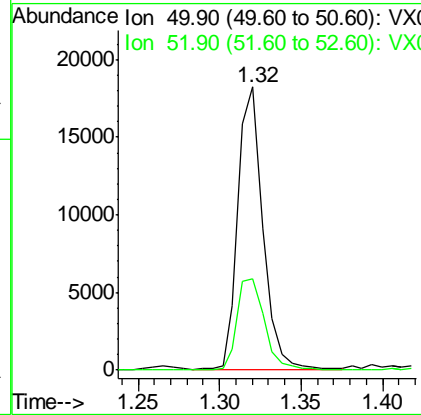
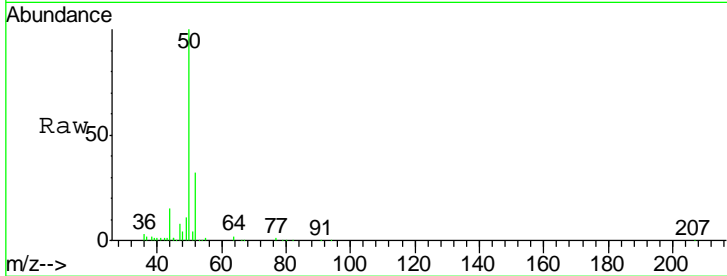


#3
 Chloromethane
 Concen: 18.775 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
50	19284		
52	32.6	25.7	38.5

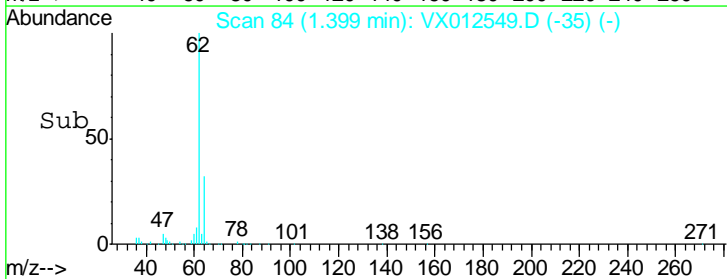
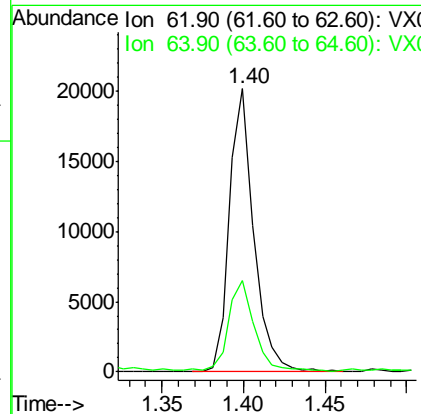
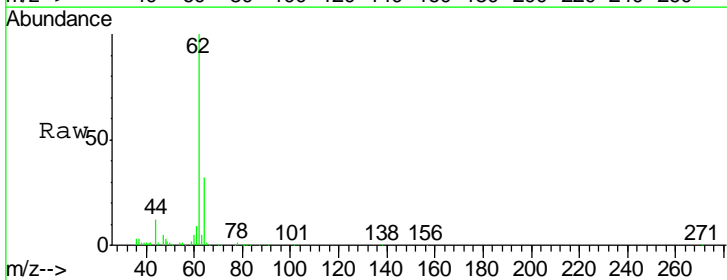
Instrument : MSVOA_X
 ClientSampleId : VX0920MBS01

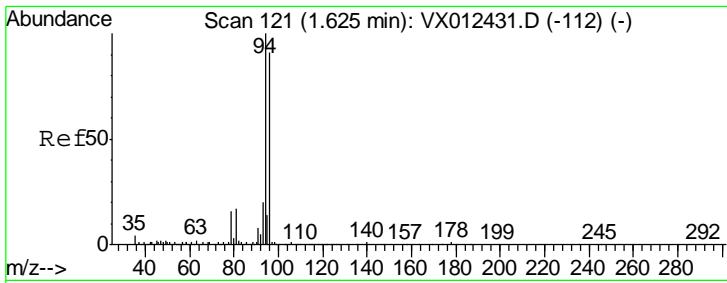
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#4
 Vinyl Chloride
 Concen: 18.881 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
62	20961		
64	31.6	24.2	36.2





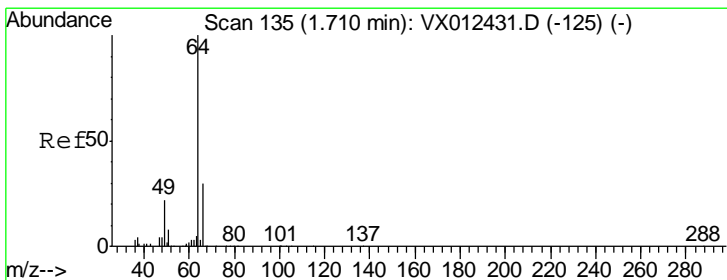
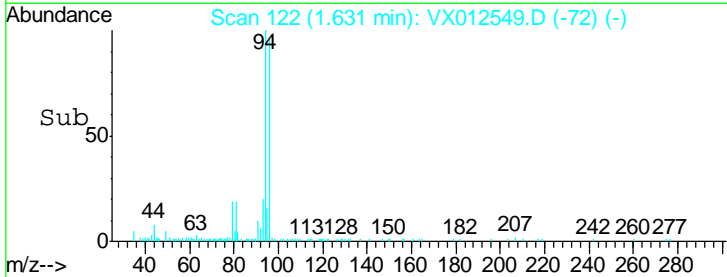
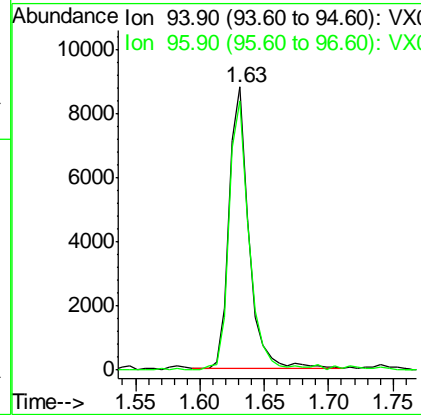
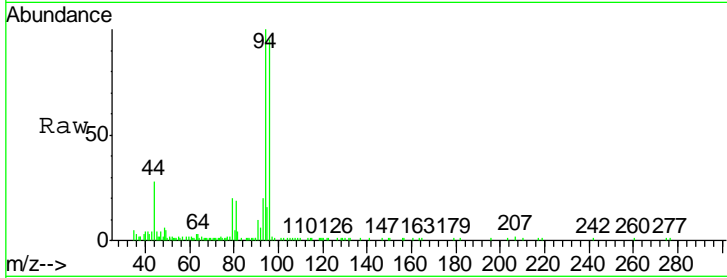
#5
 Bromomethane
 Concen: 21.942 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0920MBS01

Tgt Ion	Resp	Lower	Upper
94	100		
96	95.6	72.8	109.2

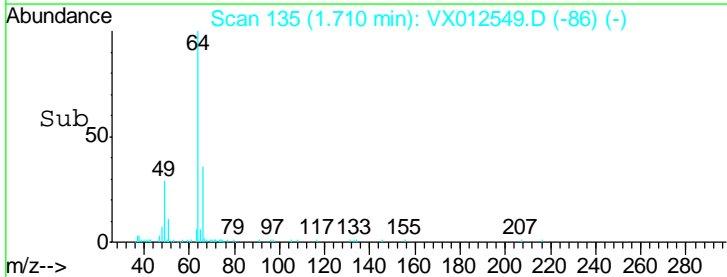
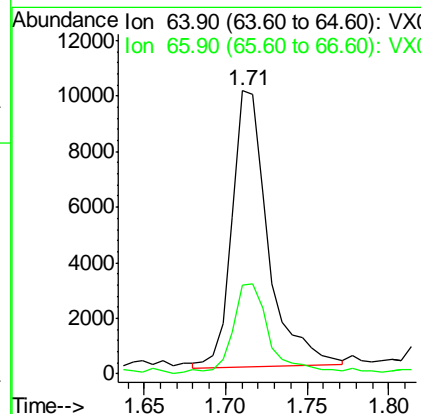
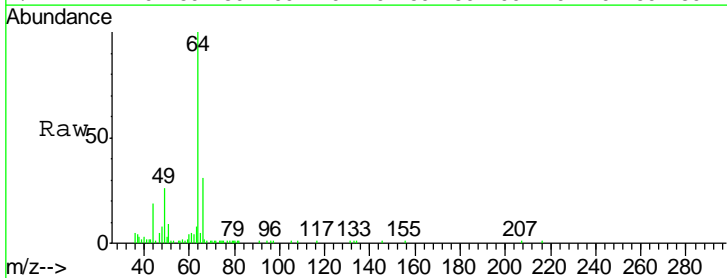
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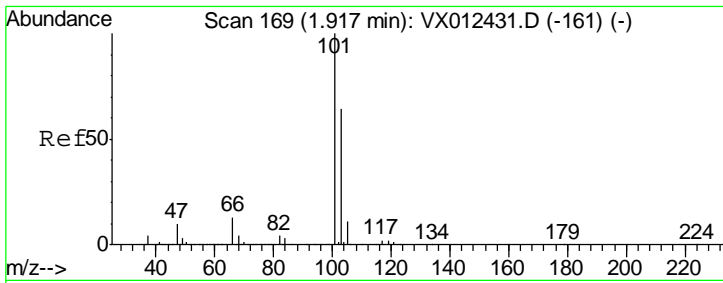
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#6
 Chloroethane
 Concen: 17.554 ug/l
 RT: 1.71 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

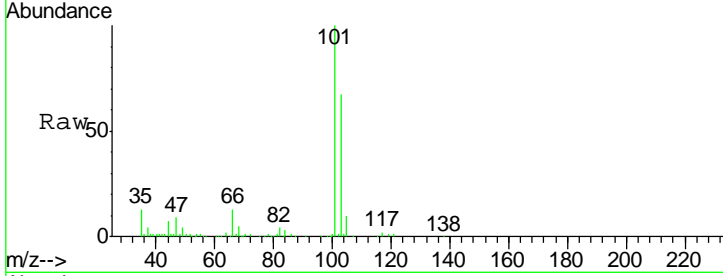
Tgt Ion	Resp	Lower	Upper
64	100		
66	31.4	24.0	36.0





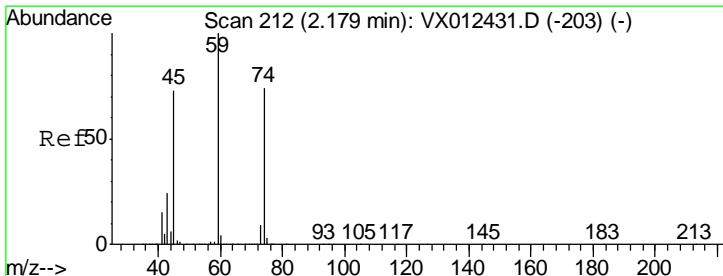
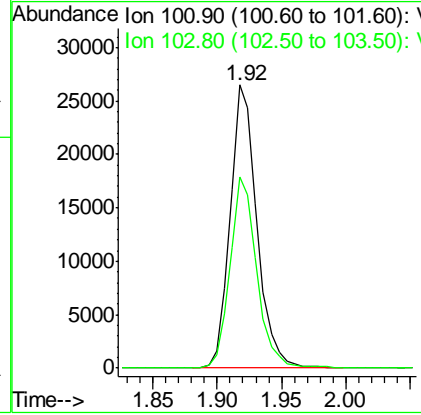
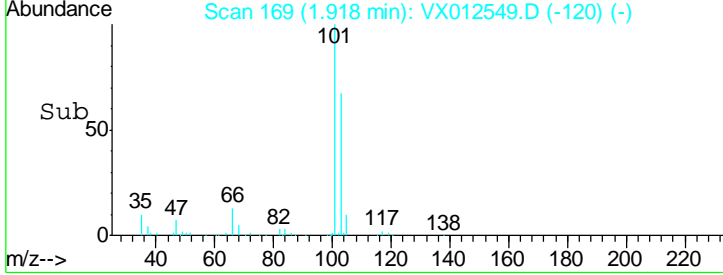
#7
 Trichlorofluoromethane
 Concen: 19.034 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

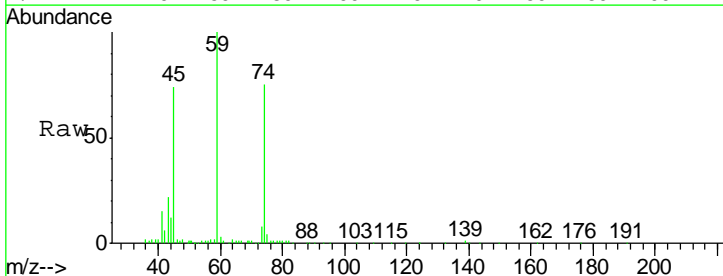


Tgt Ion: 101 Resp: 38736
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.0 76.4

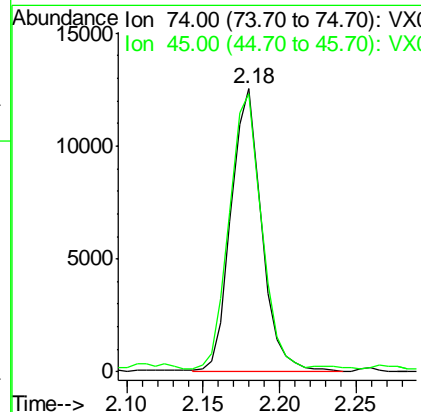
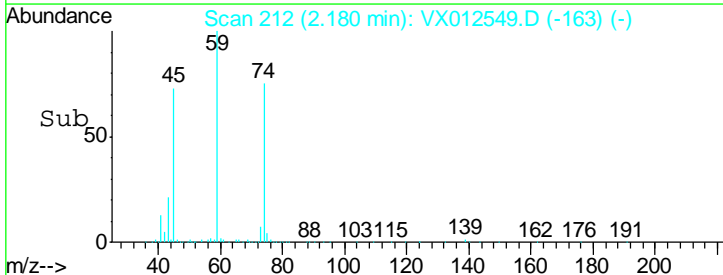
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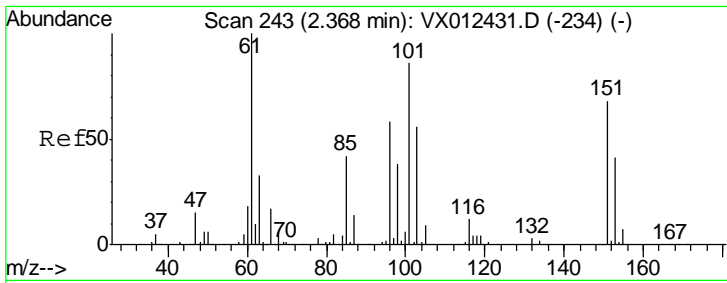


#8
 Diethyl Ether
 Concen: 19.082 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



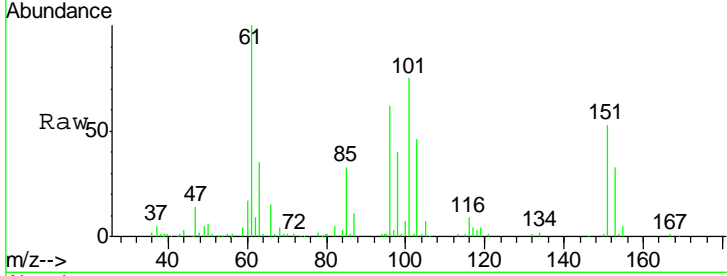
Tgt Ion: 74 Resp: 17540
 Ion Ratio Lower Upper
 74 100
 45 102.1 49.9 149.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.151 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

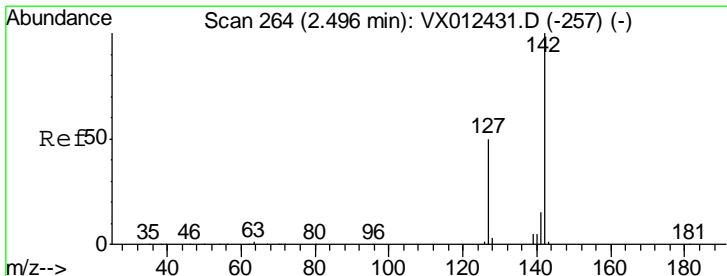
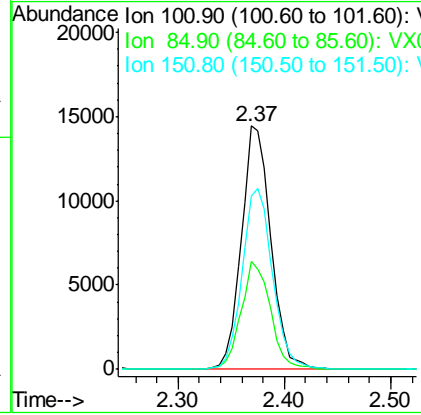
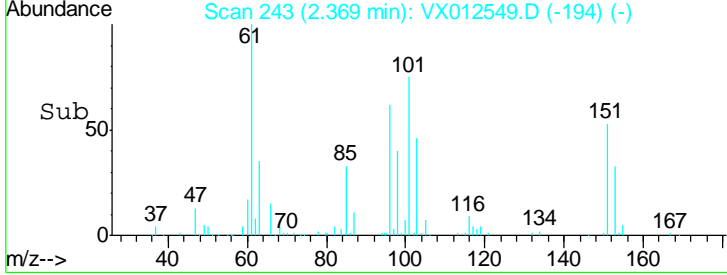
Instrument :
 MSVOA_X
 ClientSampled :
 VX0920MBS01



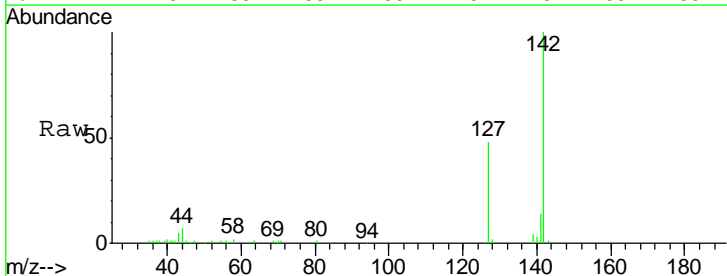
Tgt Ion: 101 Resp: 28198

Ion	Ratio	Lower	Upper
101	100		
85	44.1	37.3	55.9
151	76.5	61.0	91.4

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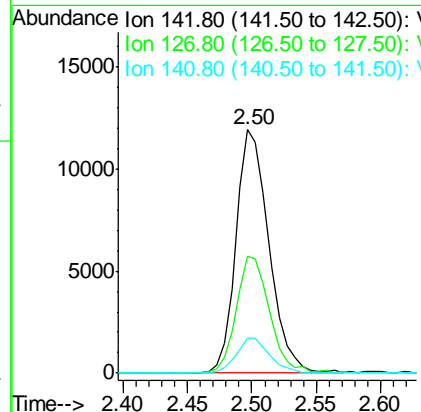
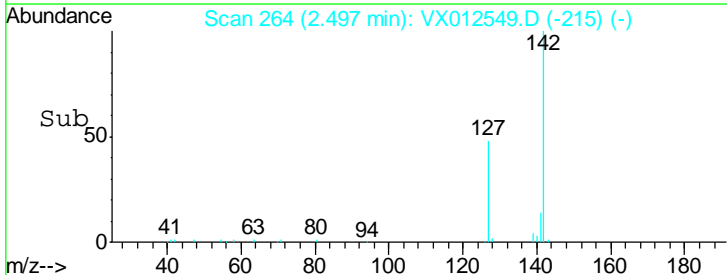


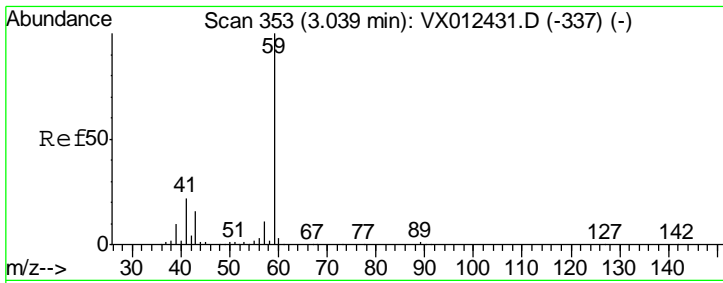
#10
 Methyl Iodide
 Concen: 19.773 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 142 Resp: 21260

Ion	Ratio	Lower	Upper
142	100		
127	48.8	40.8	61.2
141	14.7	12.1	18.1



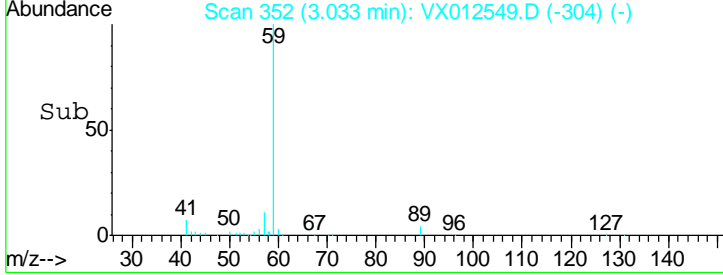
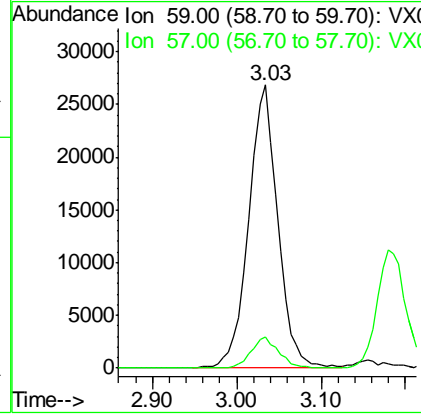
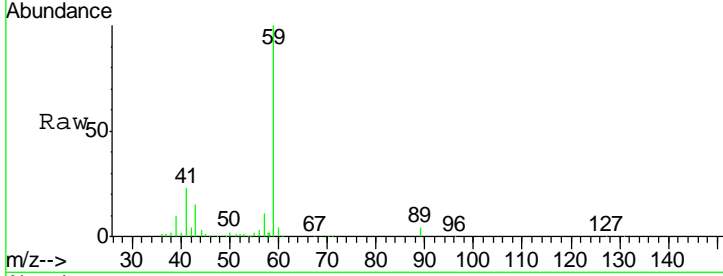


#11
 Tert butyl alcohol
 Concen: 88.408 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.6	8.3	12.5

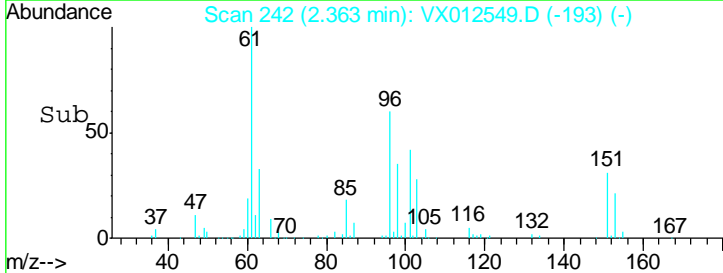
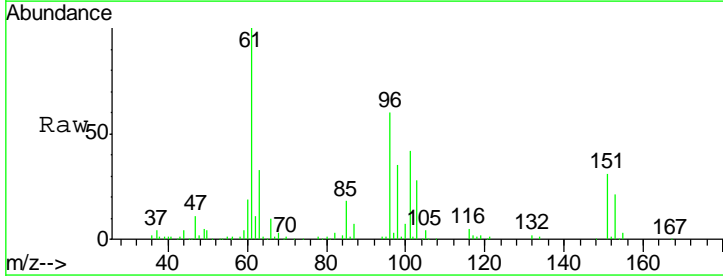
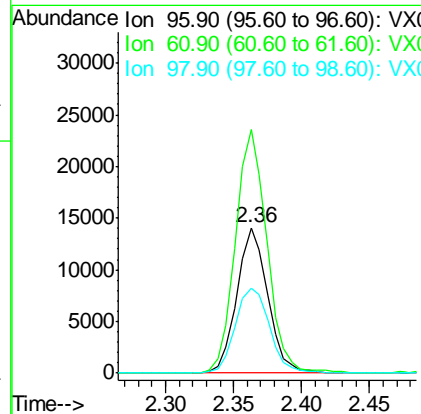
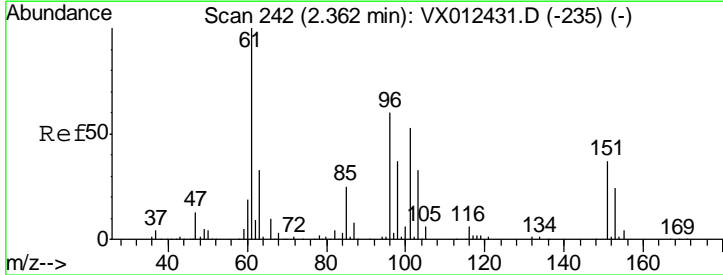
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

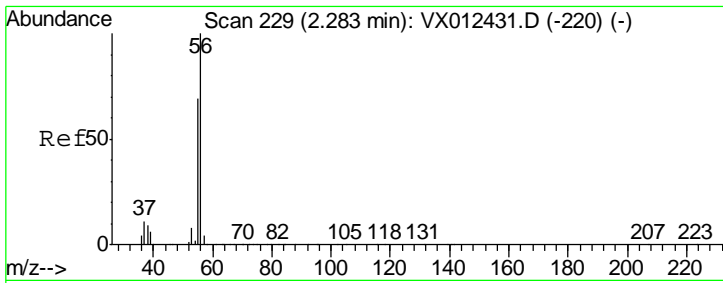
Manual Integrations APPROVED
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#12
 1,1-Dichloroethene
 Concen: 18.958 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
96	100		
61	167.9	133.8	200.6
98	58.8	49.9	74.9



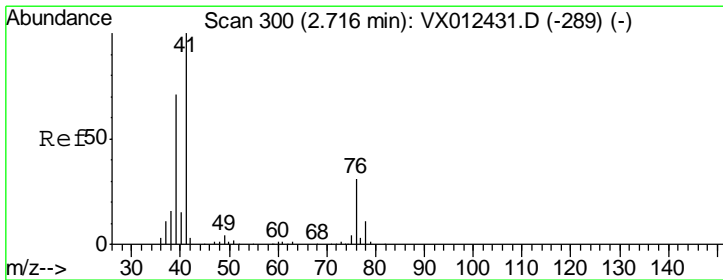
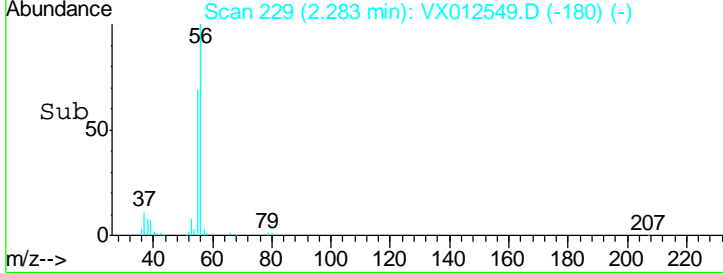
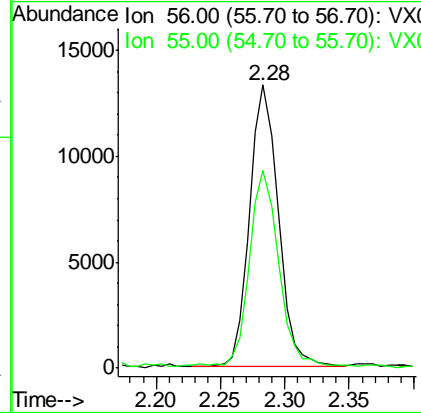
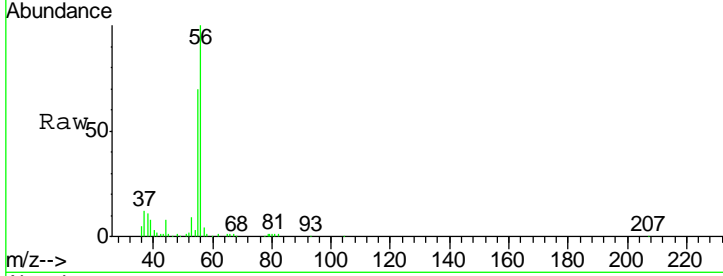


#13
 Acrolein
 Concen: 86.262 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
56	100		
55	68.7	55.8	83.8

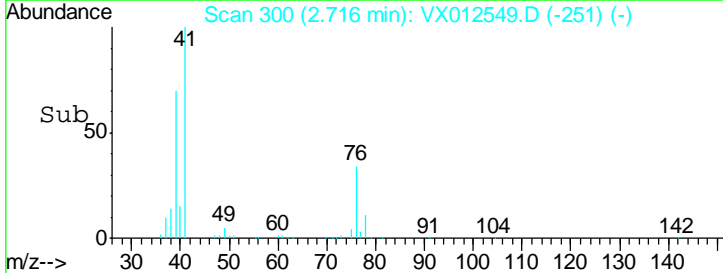
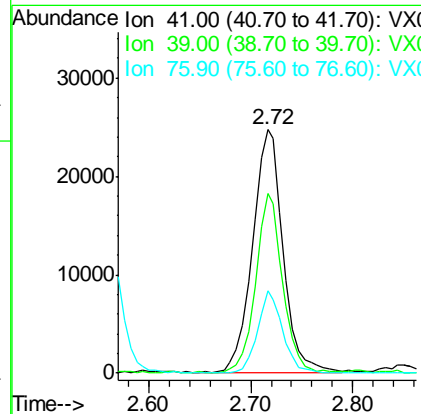
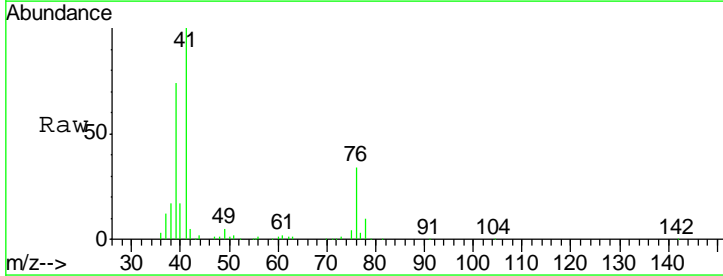
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

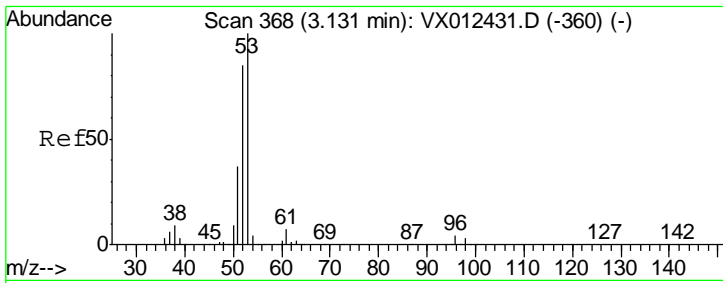
Manual Integrations APPROVED
 MMDadoda
 9/23/2019 11:29:40 AM



#14
 Allyl chloride
 Concen: 18.737 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
41	100		
39	65.9	51.3	76.9
76	28.1	22.6	33.8





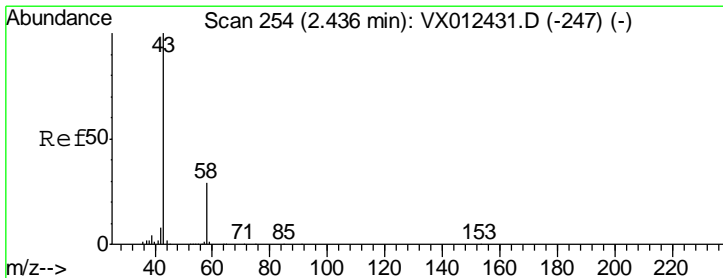
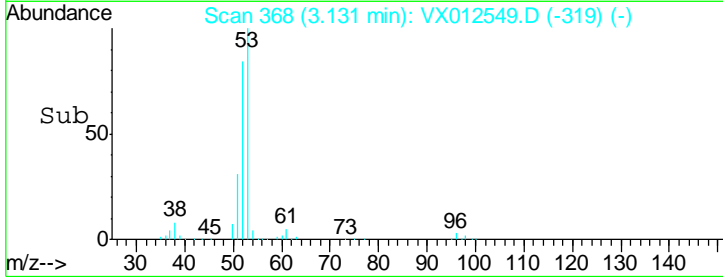
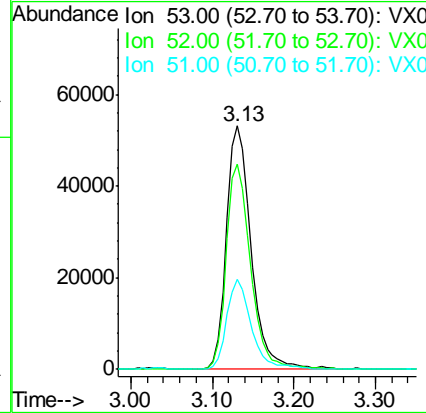
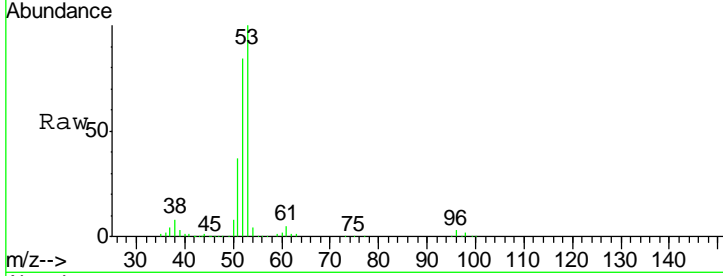
#15
 Acrylonitrile
 Concen: 96.529 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0920MBS01

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.1	67.0	100.4
51	36.9	29.6	44.4

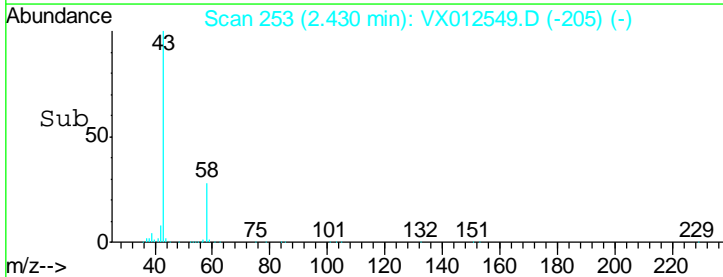
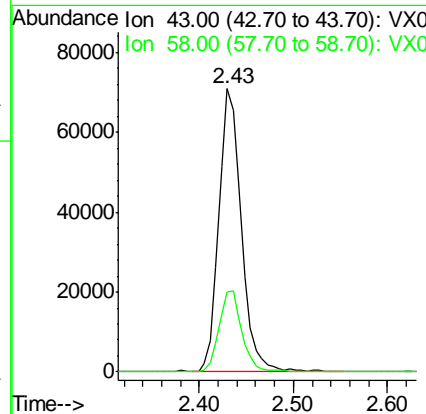
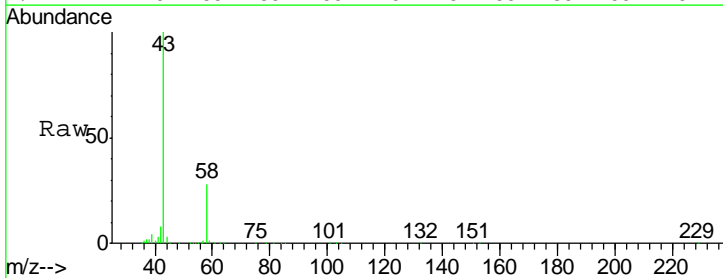
Manual Integrations
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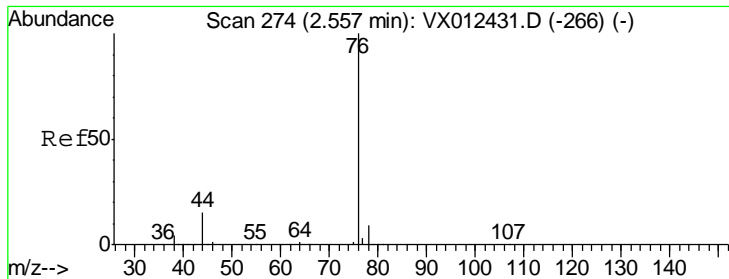
MMDadoda
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#16
 Acetone
 Concen: 90.128 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.4	23.3	34.9



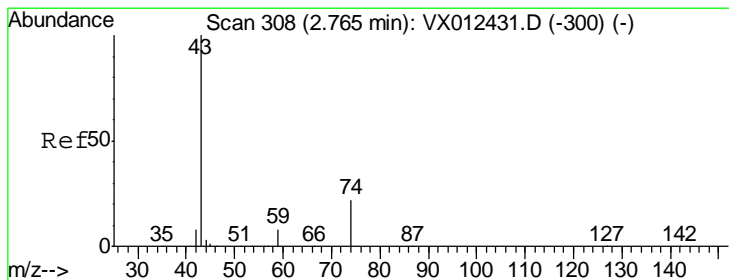
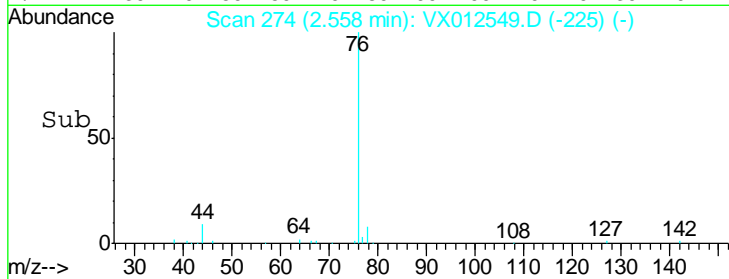
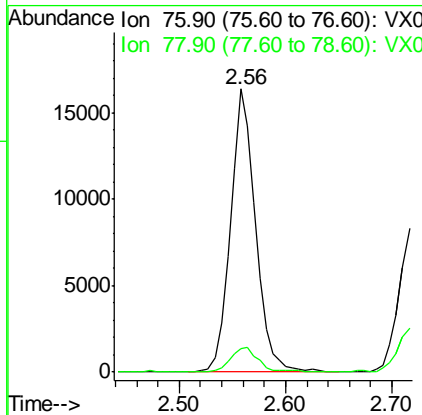
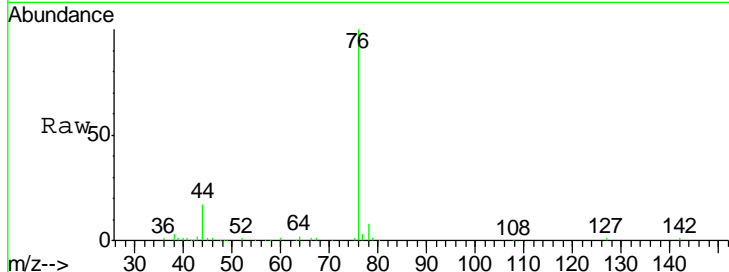


#17
 Carbon Disulfide
 Concen: 17.457 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.3	10.9

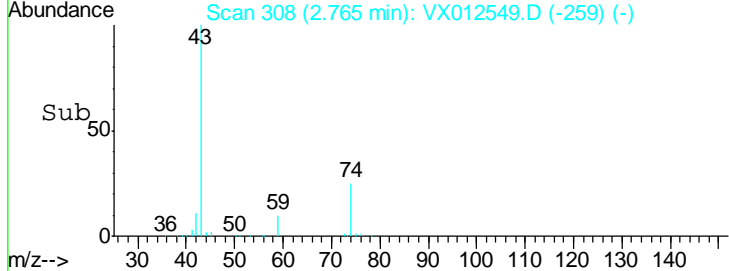
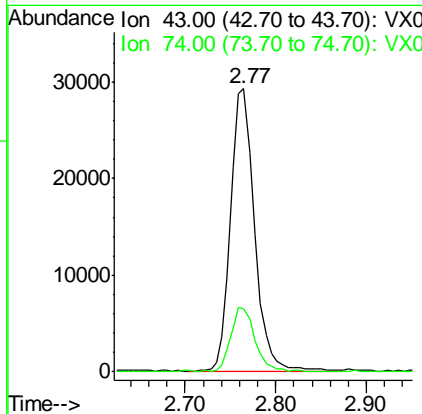
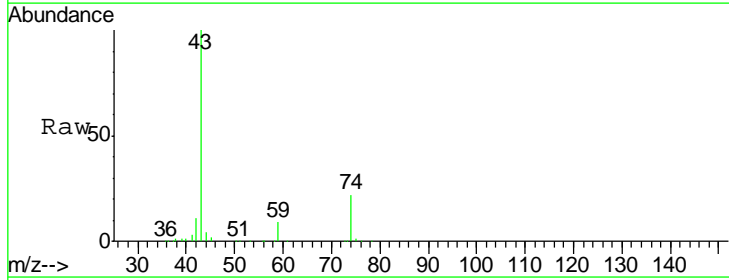
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

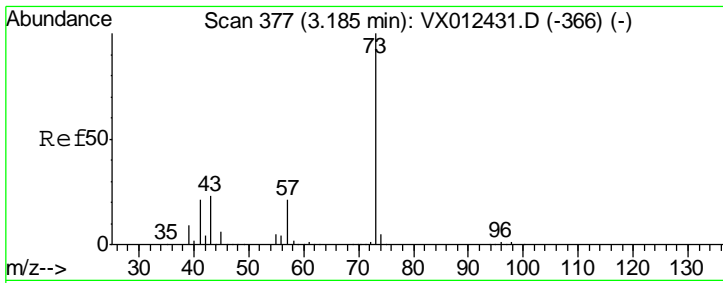
Manual Integrations APPROVED
 MMDadoda
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#18
 Methyl Acetate
 Concen: 19.194 ug/l
 RT: 2.77 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5



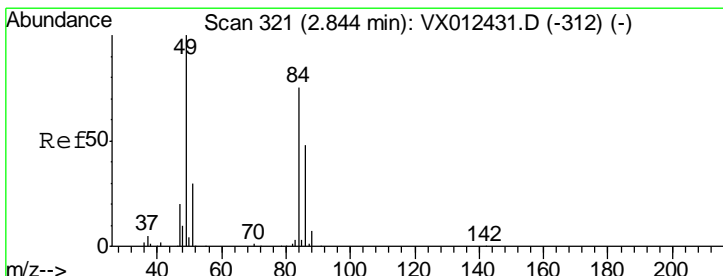
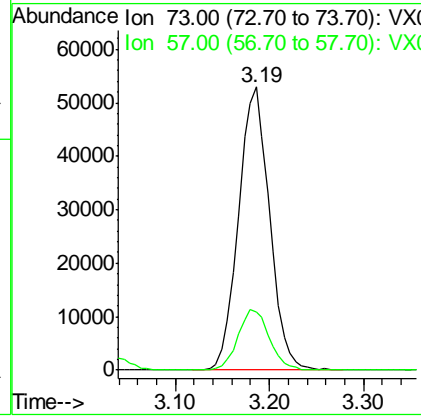
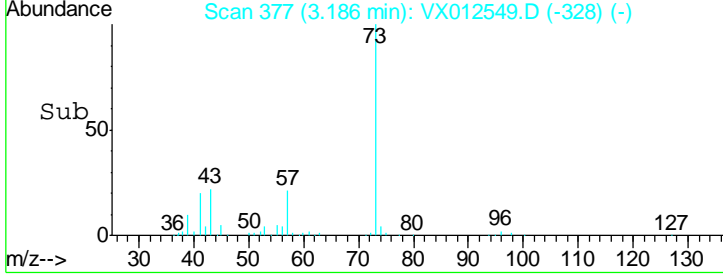
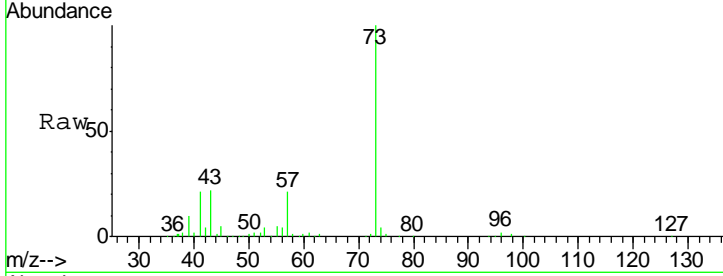


#19
Methyl tert-butyl Ether
Concen: 18.988 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
73	121607		
73	100		
57	20.6	16.8	25.2

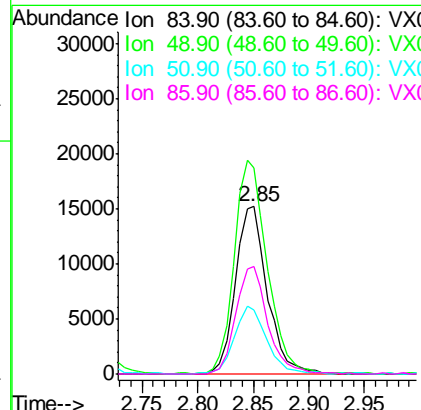
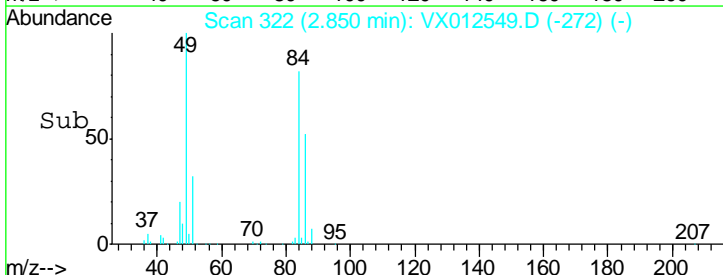
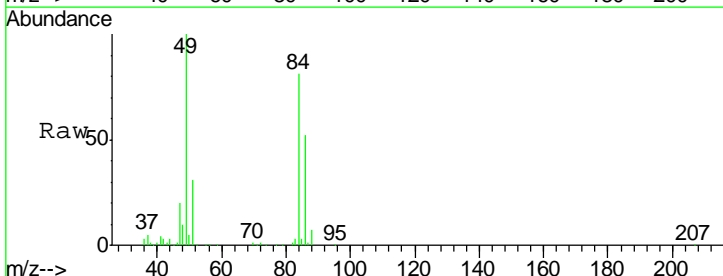
Instrument : MSVOA_X
Client Sampled : VX0920MBS01

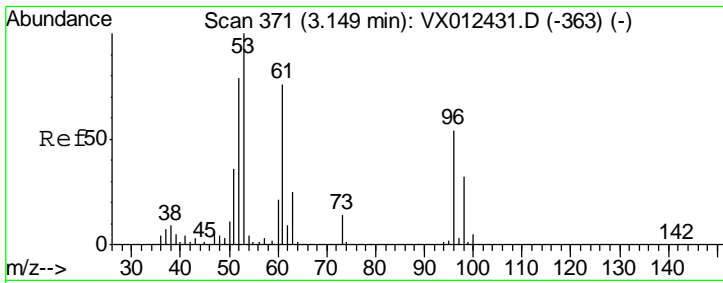
Manual Integrations APPROVED
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#20
Methylene Chloride
Concen: 18.613 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

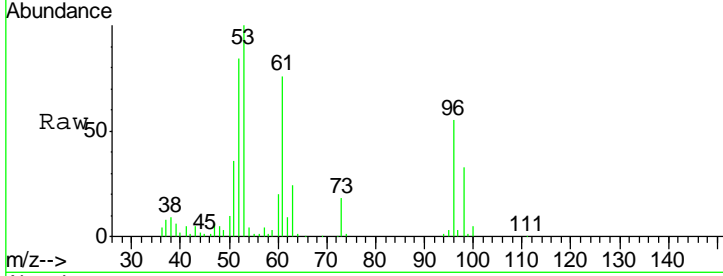
Tgt Ion	Resp	Lower	Upper
84	30163		
84	100		
49	122.5	106.8	160.2
51	38.6	32.3	48.5
86	63.8	51.3	76.9





#21
 trans-1,2-Dichloroethene
 Concen: 19.762 ug/l
 RT: 3.15 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

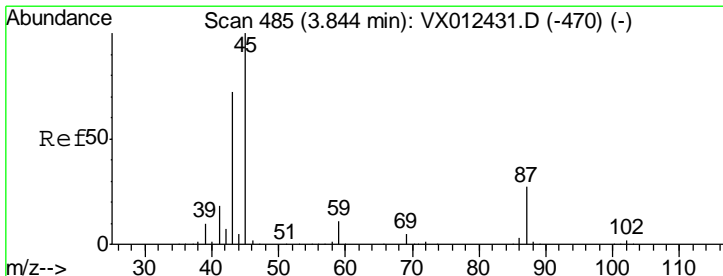
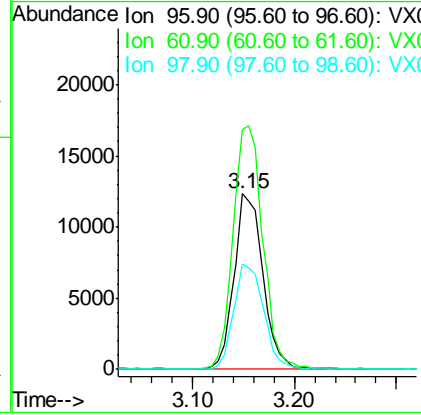
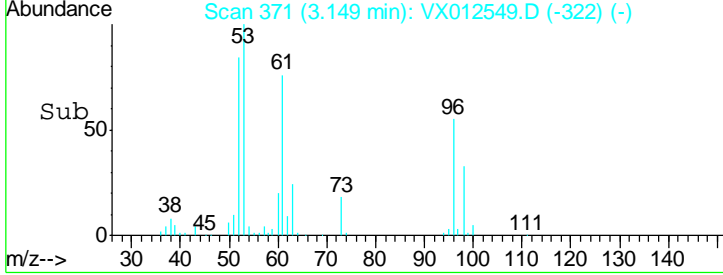
Instrument : MSVOA_X
 Client Sampled : VX0920MBS01



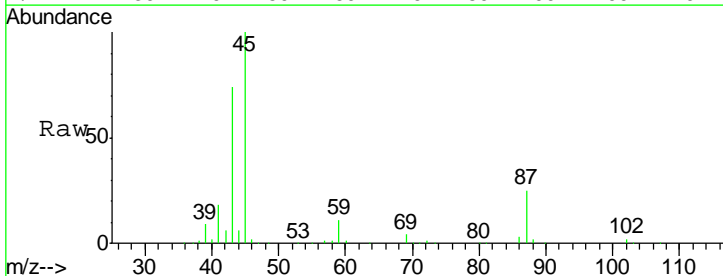
Tot Ion: 96 Resp: 24105

Ion	Ratio	Lower	Upper
96	100		
61	137.0	112.0	168.0
98	60.4	47.8	71.8

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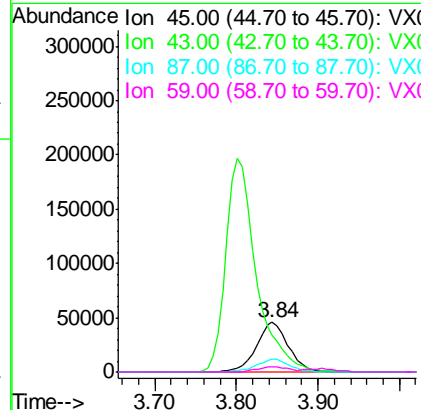
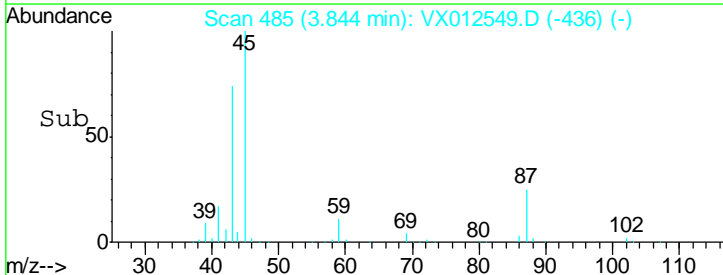


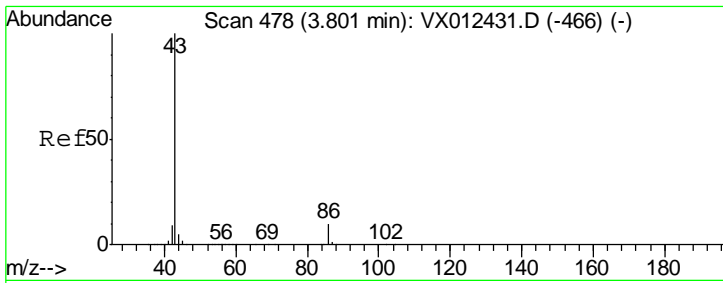
#22
 Diisopropyl ether
 Concen: 19.343 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 45 Resp: 123854

Ion	Ratio	Lower	Upper
45	100		
43	73.9	57.8	86.8
87	25.1	21.3	31.9
59	10.9	8.5	12.7



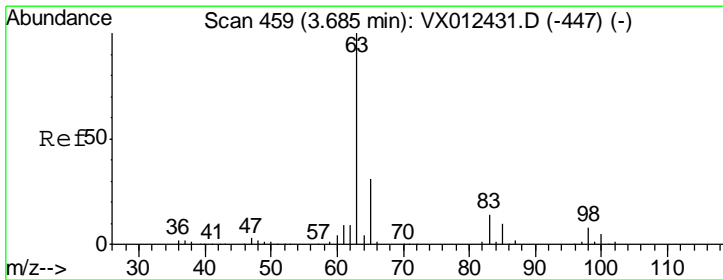
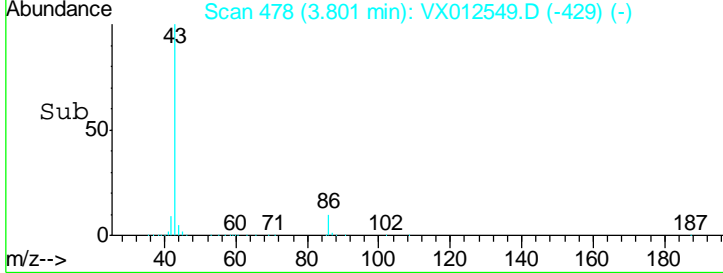
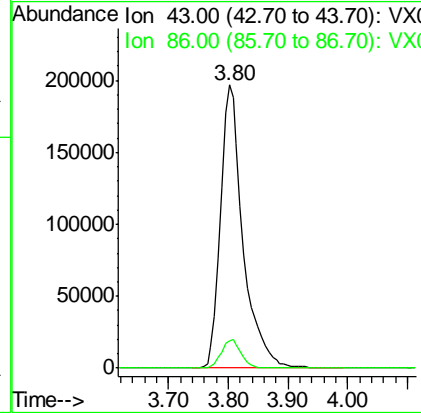
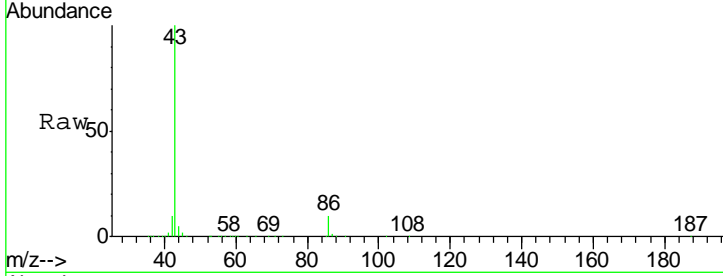


#23
 Vinyl Acetate
 Concen: 97.314 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

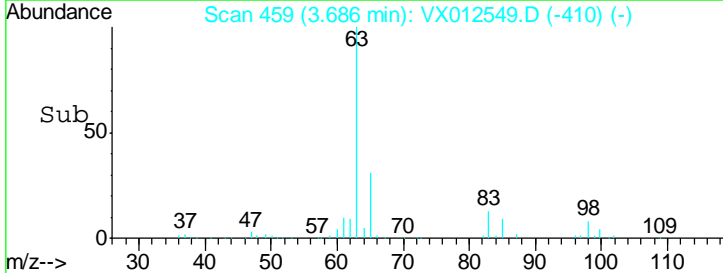
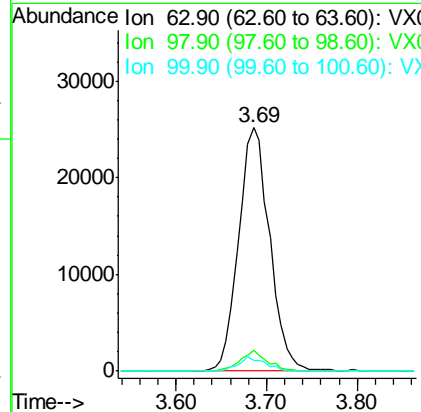
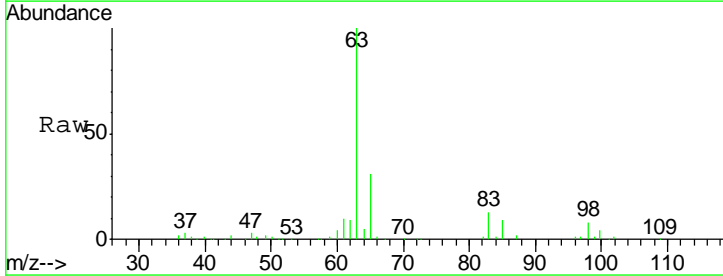
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

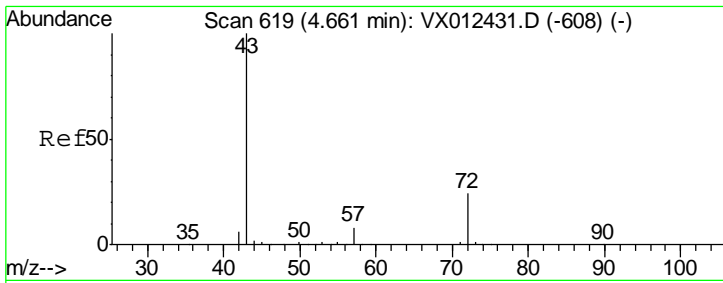
Manual Integrations APPROVED
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#24
 1,1-Dichloroethane
 Concen: 19.525 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.5	3.9	11.7
100	4.3	2.3	6.9





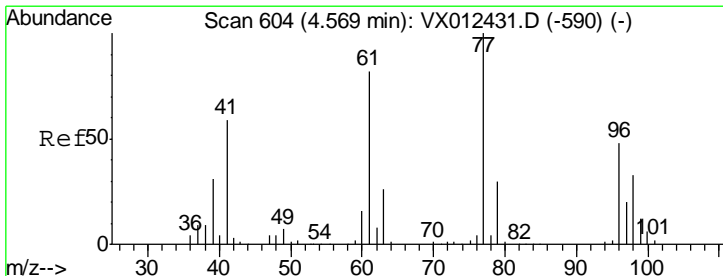
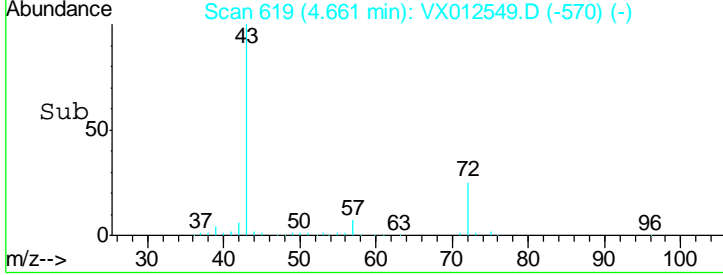
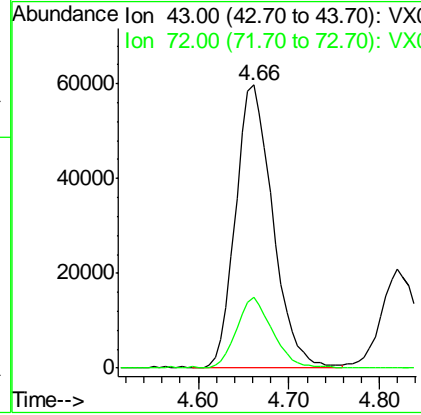
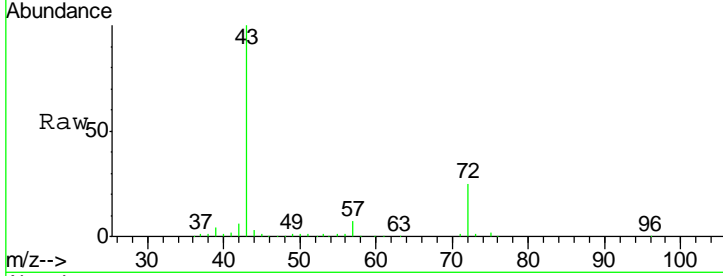
#25
 2-Butanone
 Concen: 90.482 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion: 43 Resp: 168059

Ion	Ratio	Lower	Upper
43	100		
72	24.8	19.2	28.8

Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

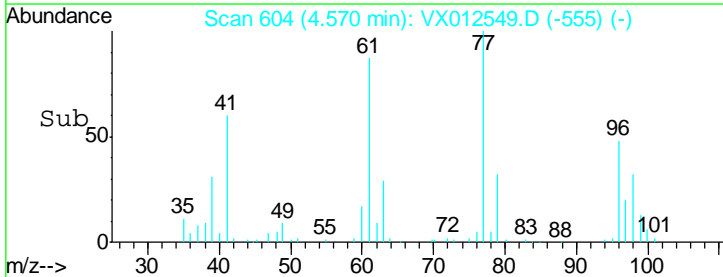
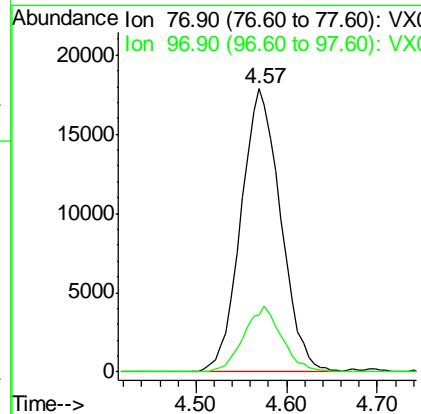
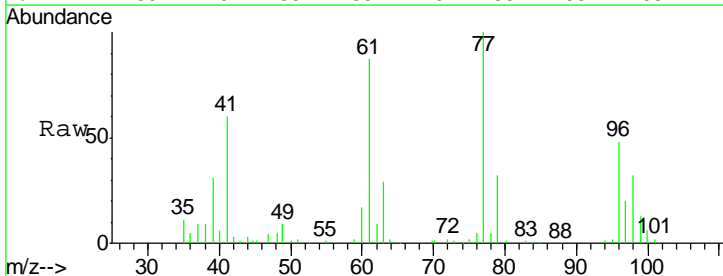
Manual Integrations APPROVED
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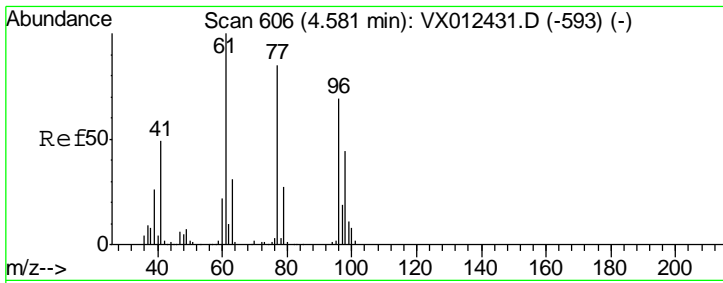


#26
 2,2-Dichloropropane
 Concen: 17.966 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion: 77 Resp: 54130

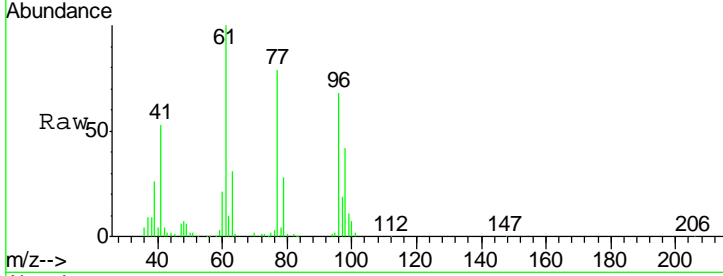
Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.5	31.6





#27
 cis-1,2-Dichloroethene
 Concen: 19.436 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

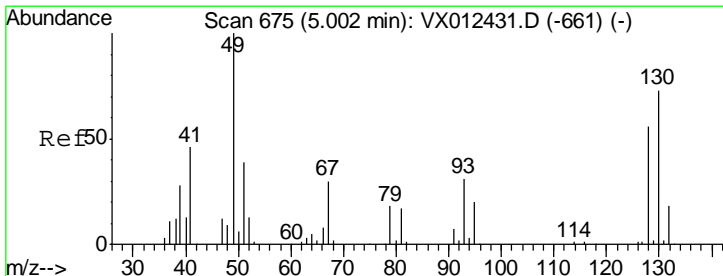
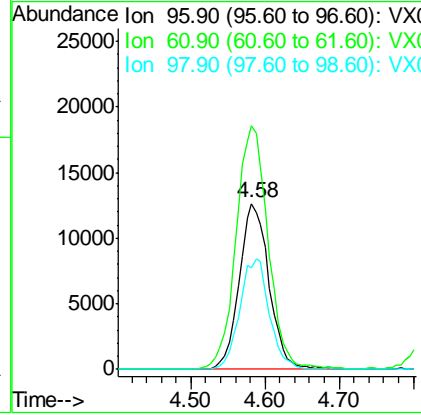
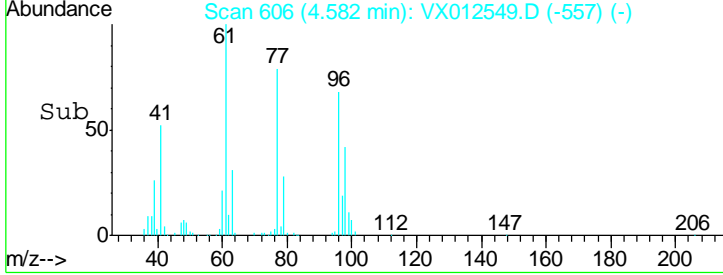
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01



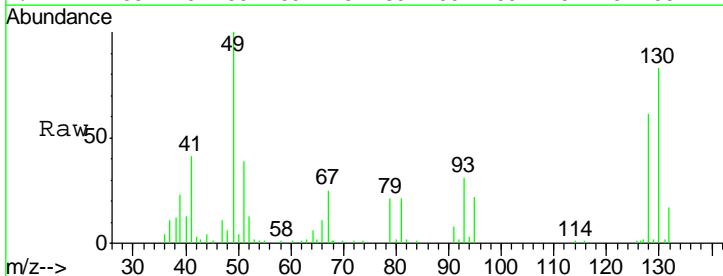
Tgt Ion: 96 Resp: 35414

Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	319.4
98	66.3	0.0	130.6

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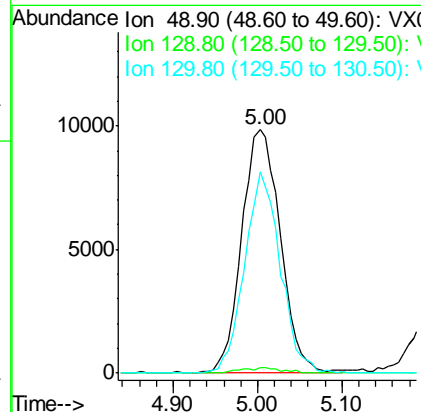
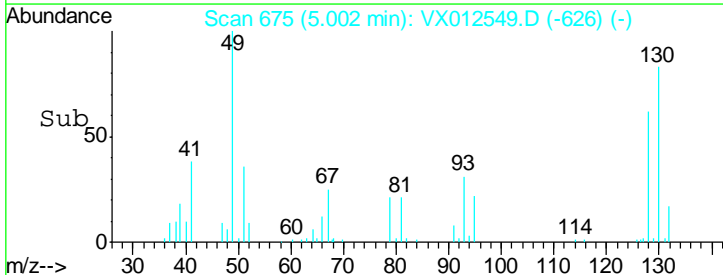


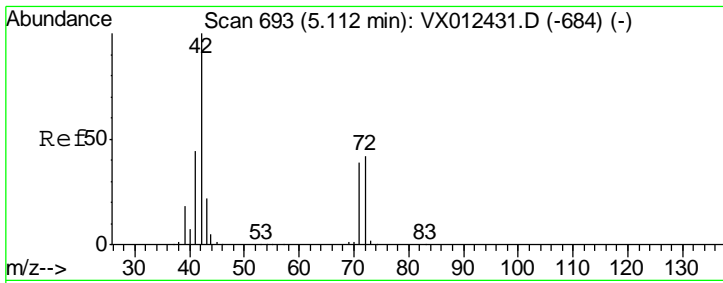
#28
 Bromochloromethane
 Concen: 19.438 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 49 Resp: 30701

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	75.9	58.2	87.4



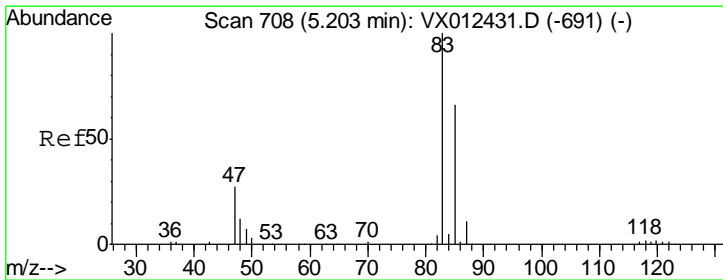
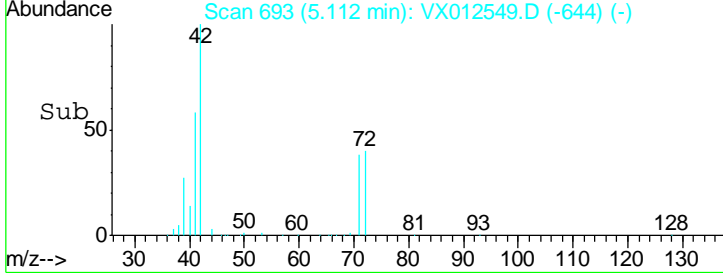
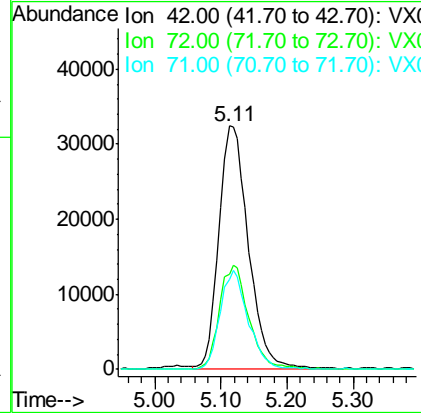
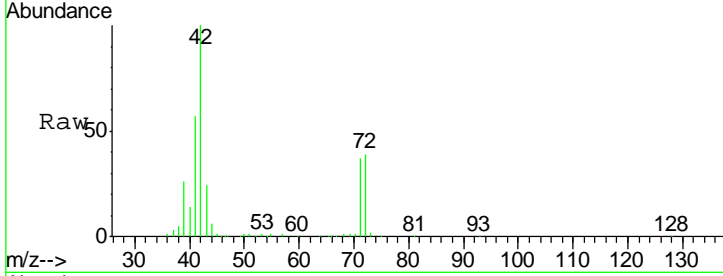


#29
 Tetrahydrofuran
 Concen: 97.055 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
42	100		
72	43.0	34.0	51.0
71	39.1	31.5	47.3

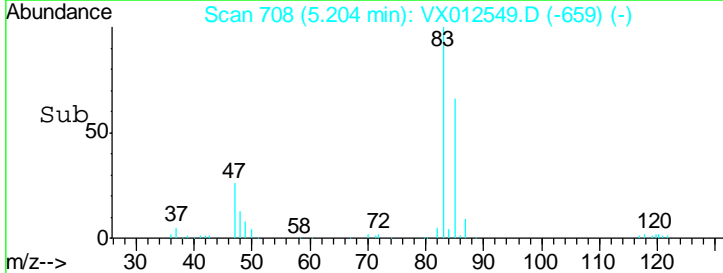
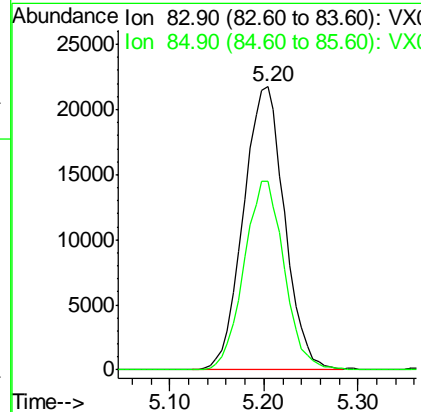
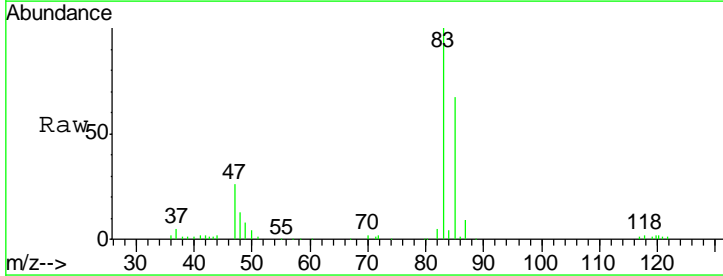
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

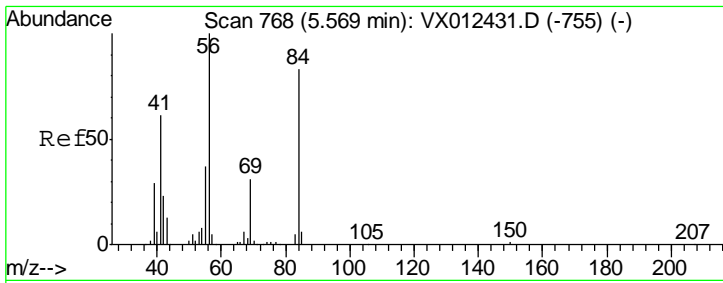
Manual Integrations
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#30
 Chloroform
 Concen: 18.797 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
83	100		
85	66.8	53.0	79.4



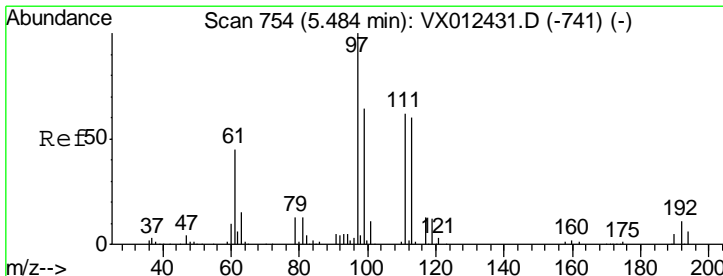
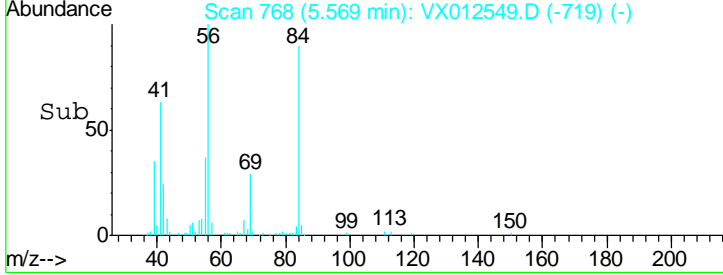
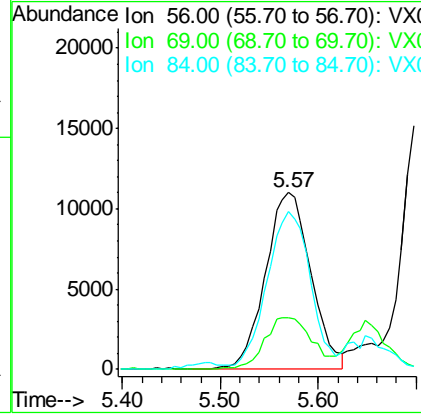
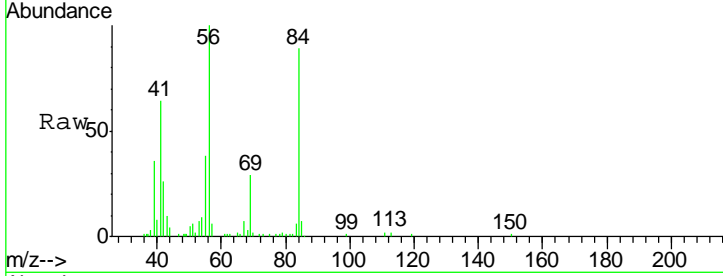


#31
 Cyclohexane
 Concen: 19.255 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
56	35609		
56	100		
69	29.0	25.0	37.6
84	86.8	66.4	99.6

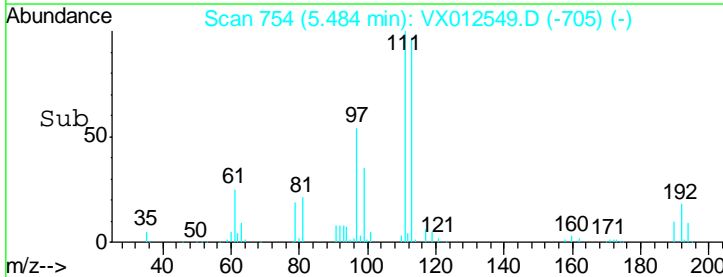
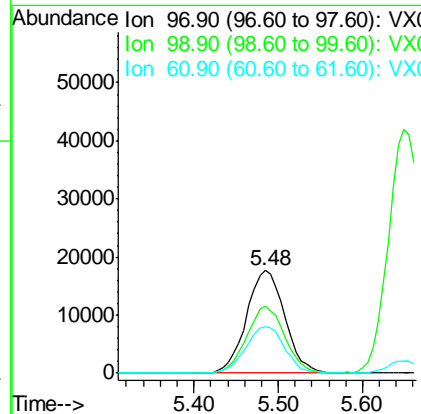
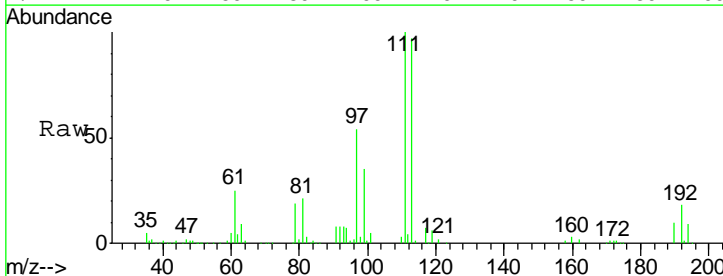
Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

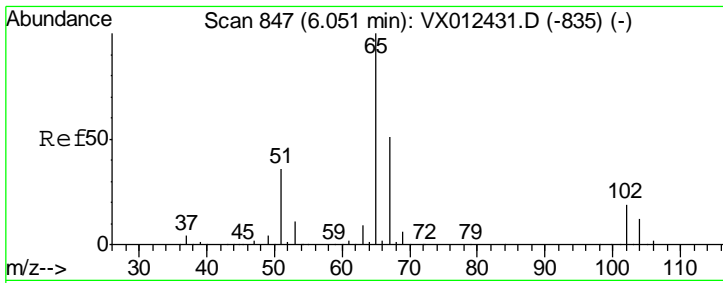
Manual Integrations APPROVED
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#32
 1,1,1-Trichloroethane
 Concen: 18.504 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
97	54415		
97	100		
99	65.2	51.3	76.9
61	46.3	36.1	54.1



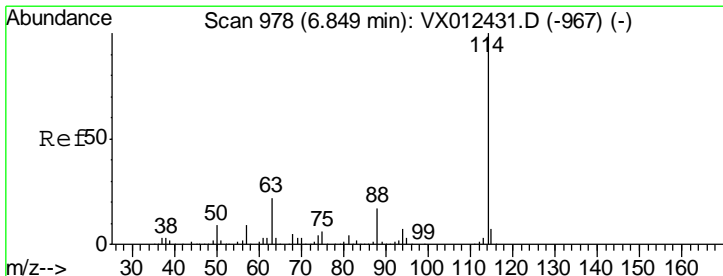
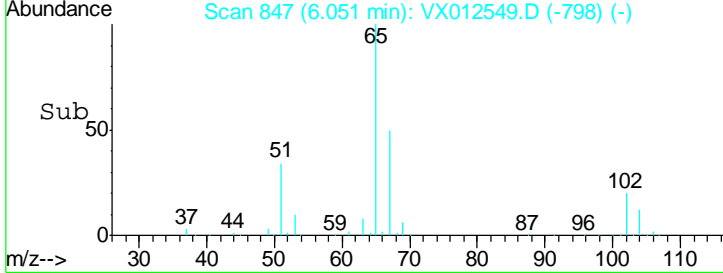
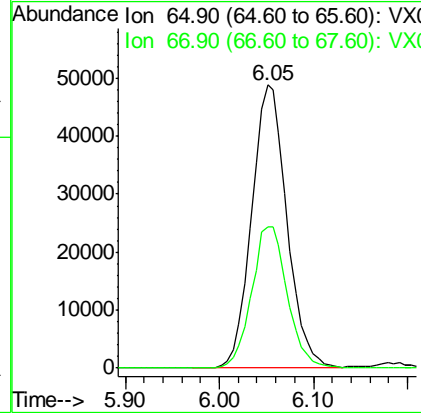
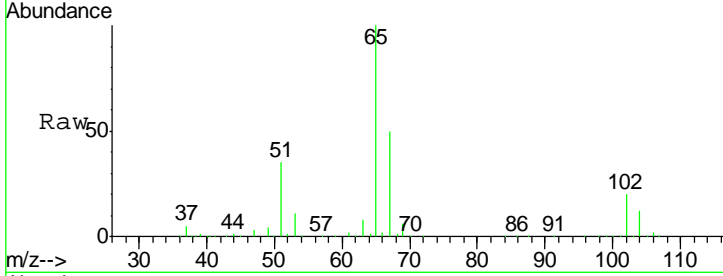


#33
 1,2-Dichloroethane-d4
 Concen: 47.809 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
65	128015		
65	100		
67	51.0	0.0	101.2

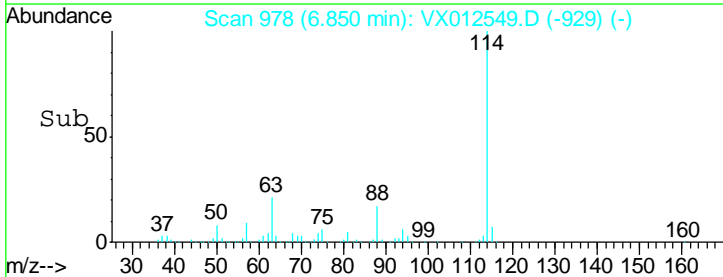
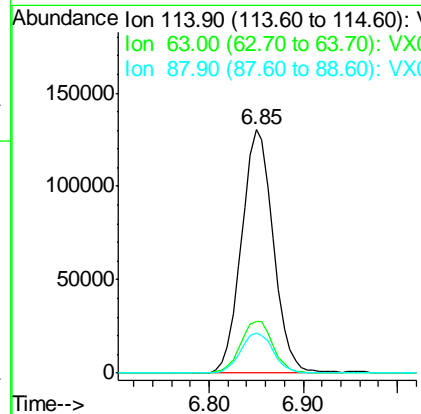
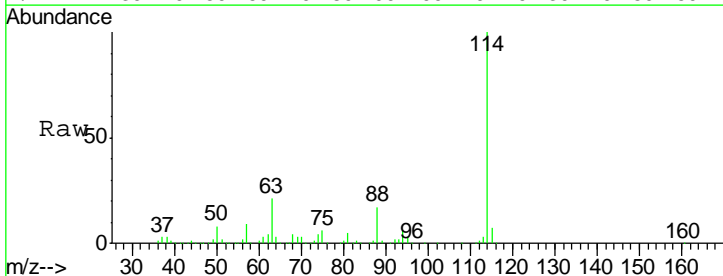
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

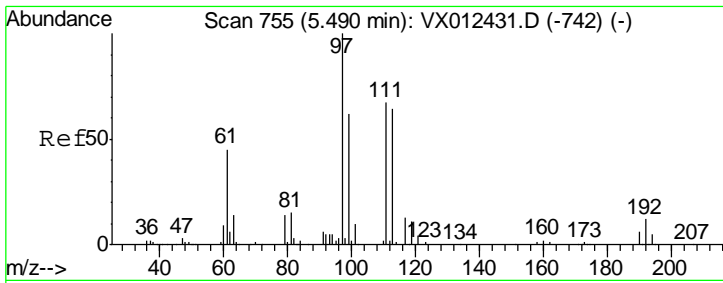
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

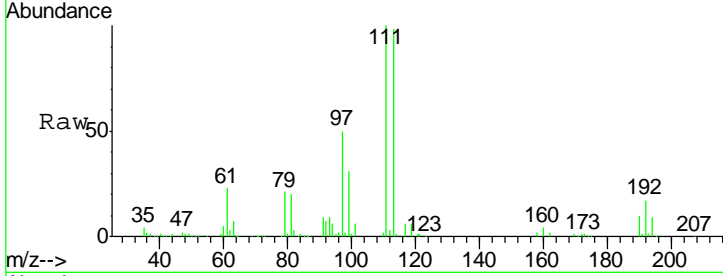
Tgt Ion	Resp	Lower	Upper
114	307638		
114	100		
63	21.3	0.0	43.2
88	16.7	0.0	33.2





#35
 Dibromofluoromethane
 Concen: 50.710 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

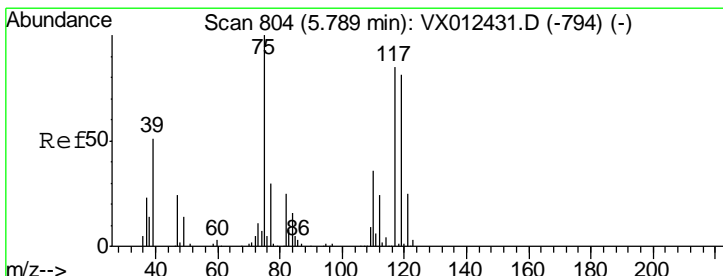
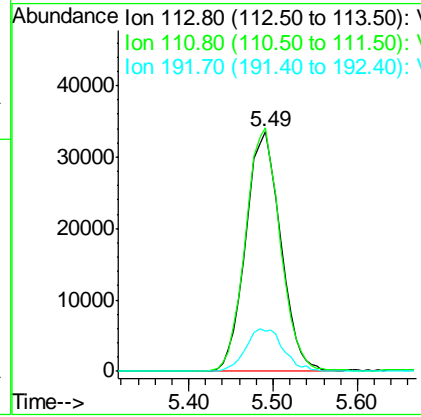
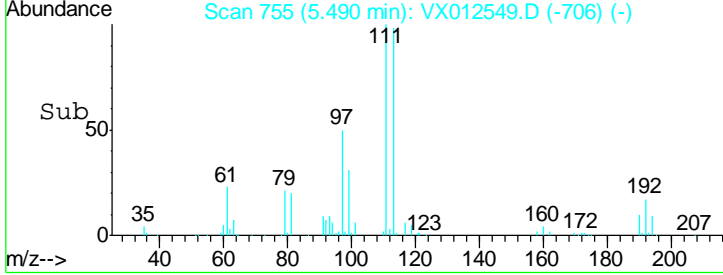
Instrument : MSVOA_X
 Client Sampled : VX0920MBS01



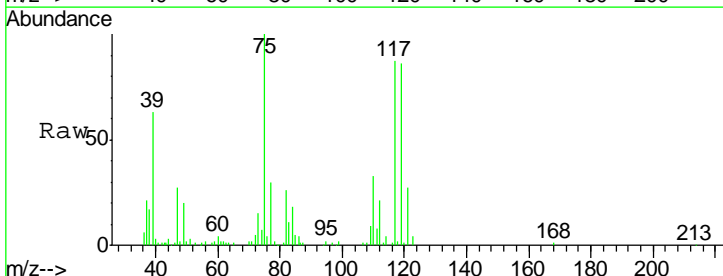
Tgt Ion: 113 Resp: 94422

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.4	125.2
192	19.0	14.4	21.6

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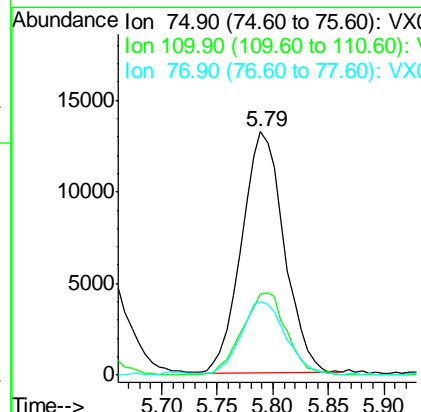
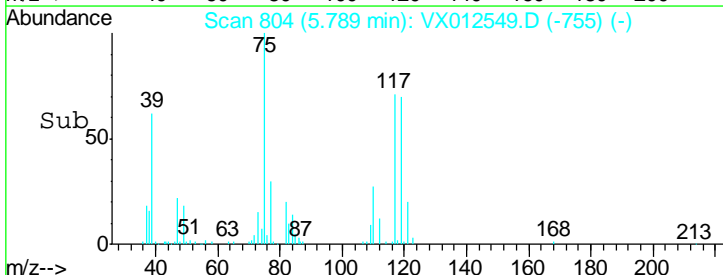


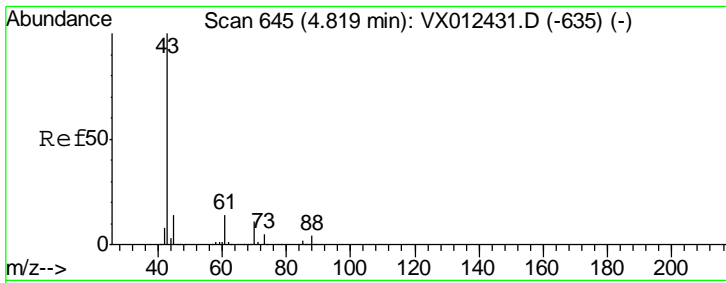
#36
 1,1-Dichloropropene
 Concen: 18.636 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 75 Resp: 34844

Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.7	50.0
77	32.5	24.2	36.2



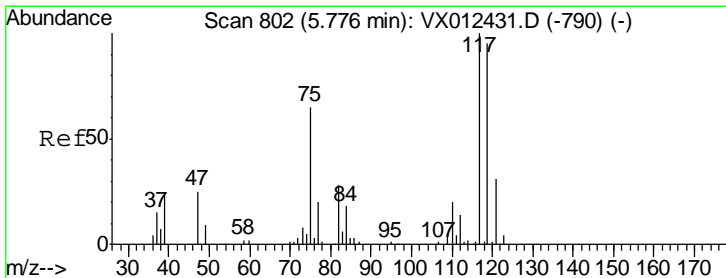
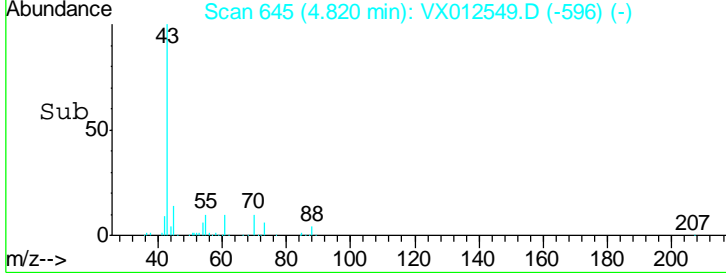
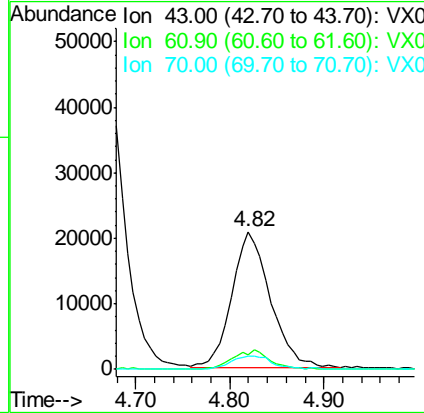
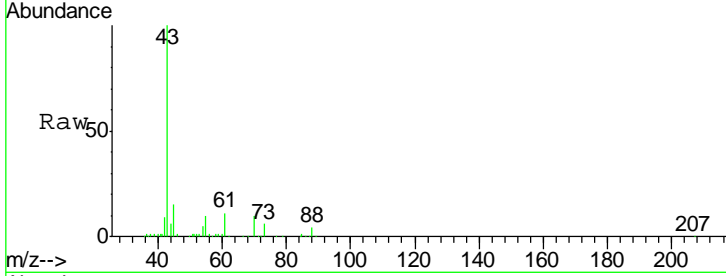


#37
Ethyl Acetate
Concen: 20.484 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.4	10.2	15.4
70	10.5	8.7	13.1

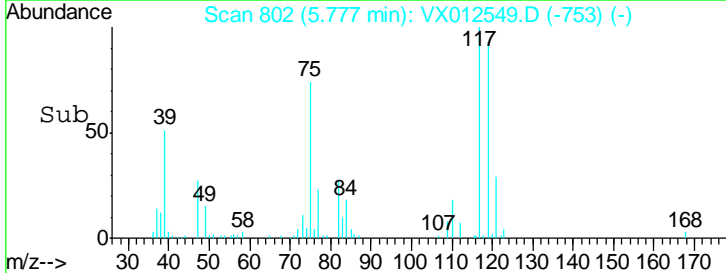
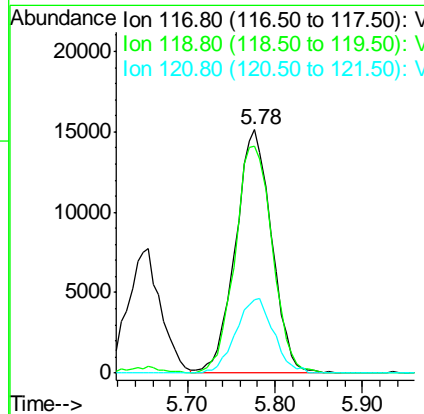
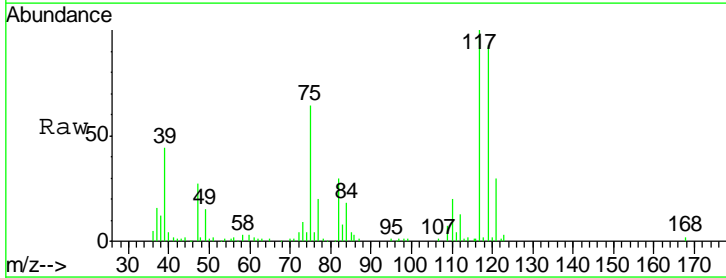
Instrument : MSVOA_X
ClientSampled : VX0920MBS01

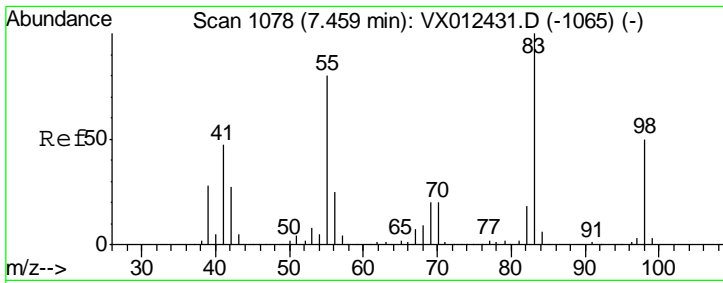
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#38
Carbon Tetrachloride
Concen: 18.714 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
117	100		
119	93.4	75.7	113.5
121	30.2	24.2	36.4



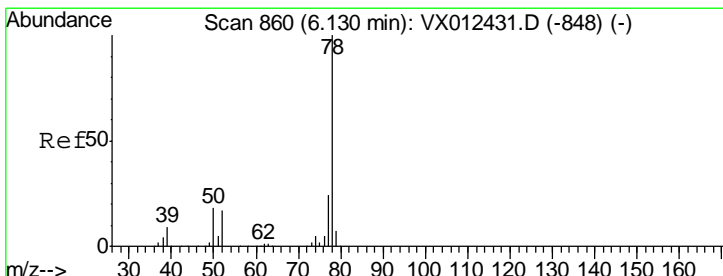
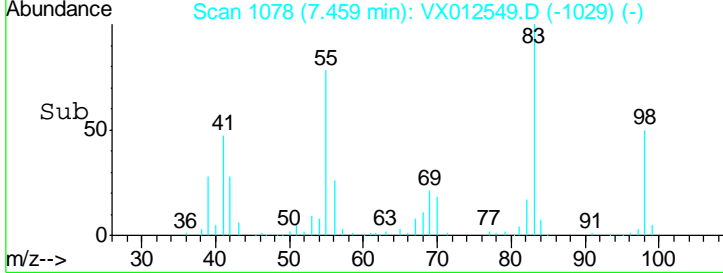
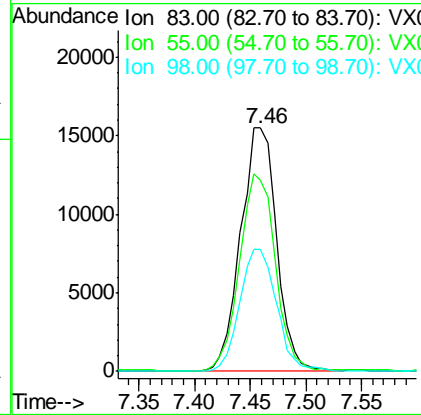
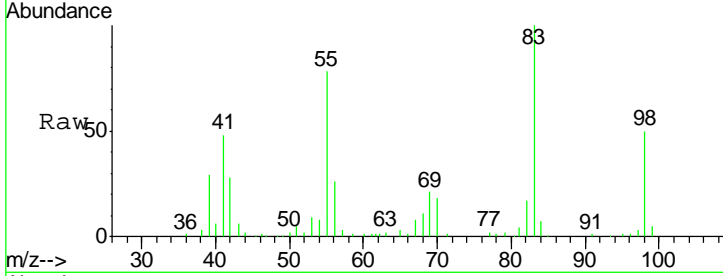


#39
 Methylcyclohexane
 Concen: 19.223 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

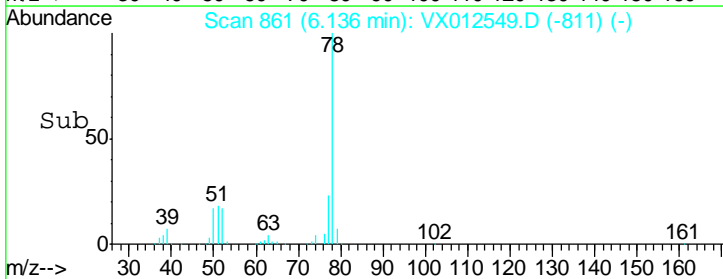
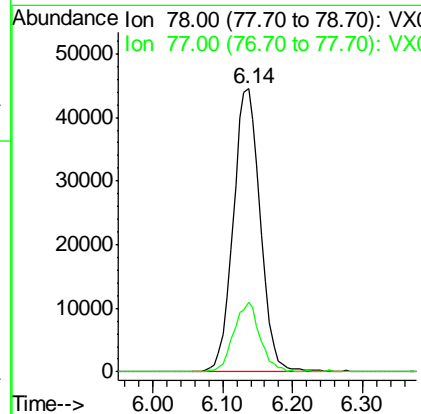
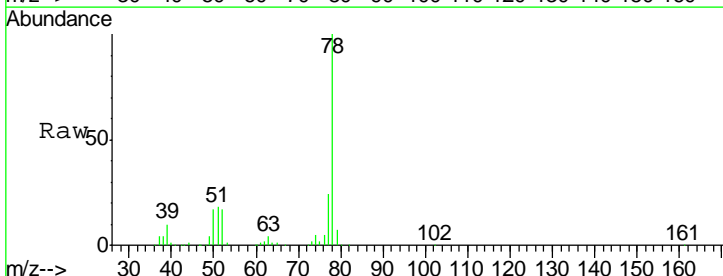
Tgt Ion	Resp	Lower	Upper
83	100		
55	78.4	64.4	96.6
98	49.9	40.1	60.1

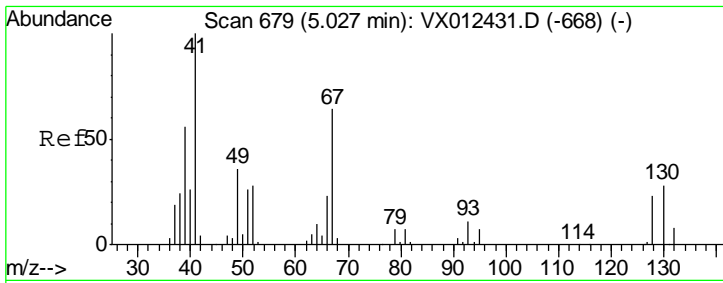
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#40
 Benzene
 Concen: 20.068 ug/l
 RT: 6.14 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
78	100		
77	24.4	19.2	28.8



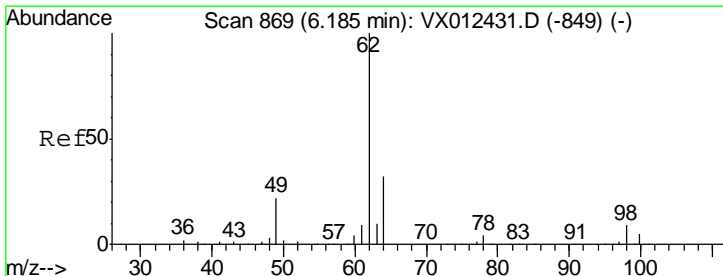
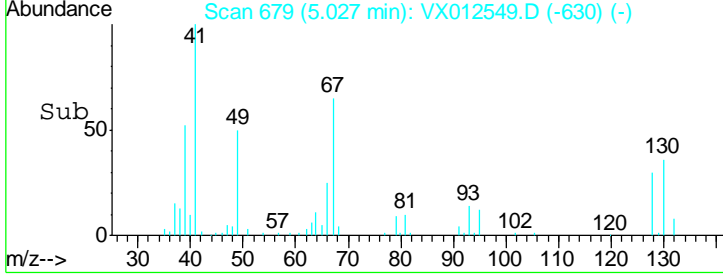
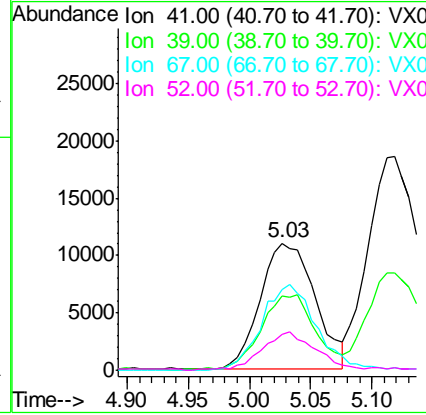
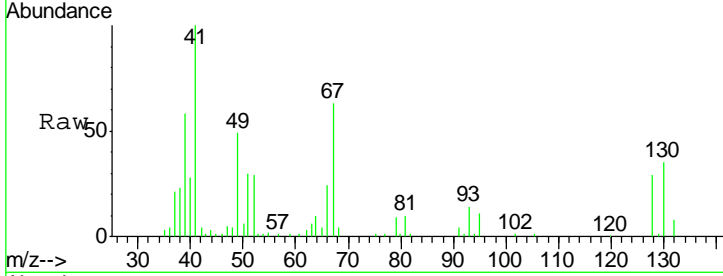


#41
 Methacrylonitrile
 Concen: 18.616 ug/l
 RT: 5.03 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
41	100		
39	59.9	46.0	69.0
67	67.8	52.2	78.2
52	31.0	22.7	34.1

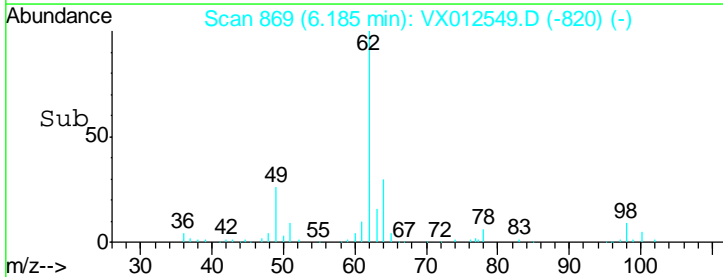
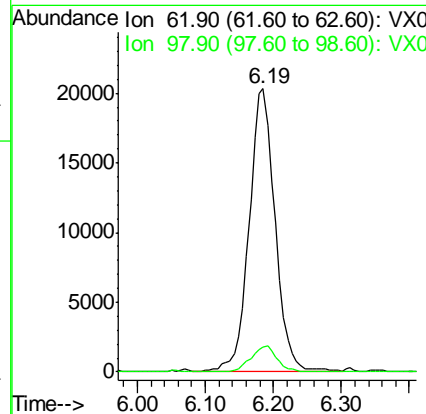
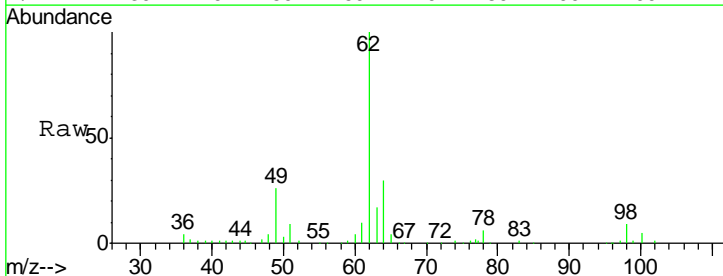
Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

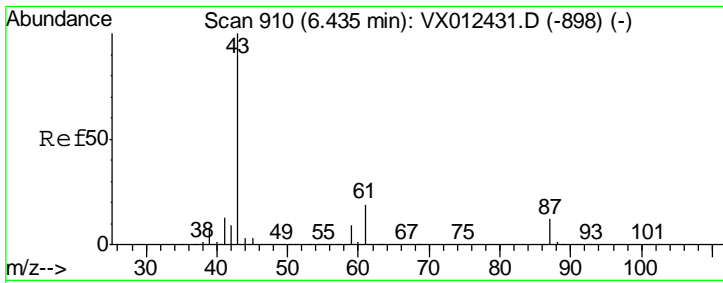
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#42
 1,2-Dichloroethane
 Concen: 19.608 ug/l
 RT: 6.19 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.1	0.0	17.8



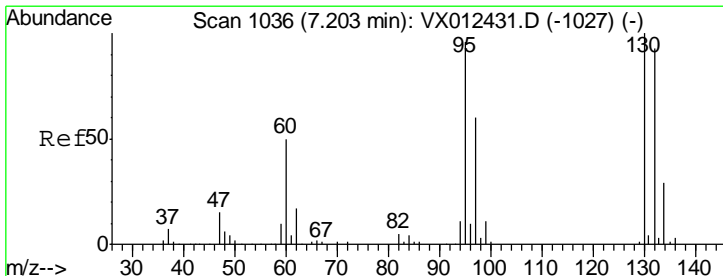
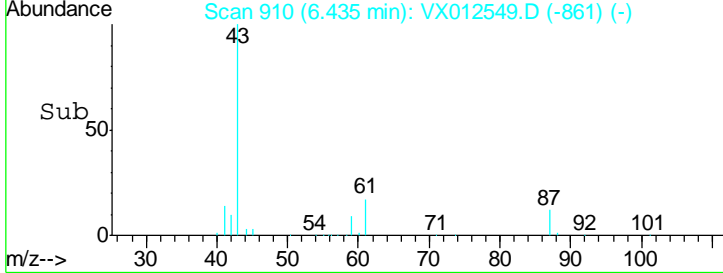
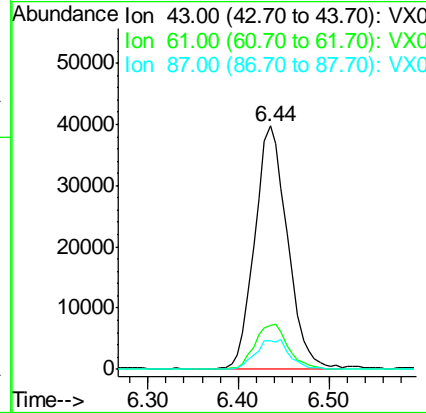
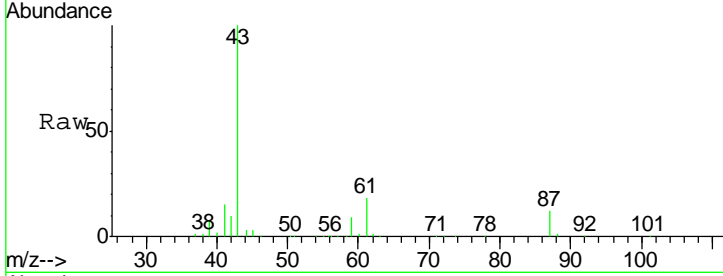


#43
 Isopropyl Acetate
 Concen: 19.243 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	12.6	9.8	14.8

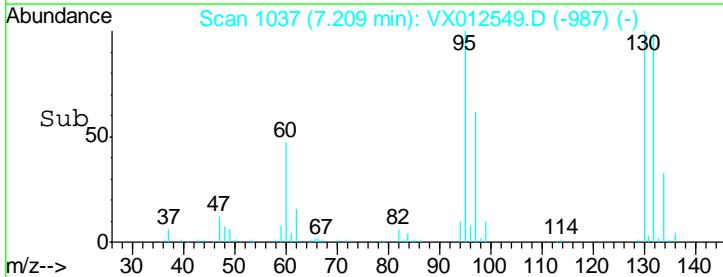
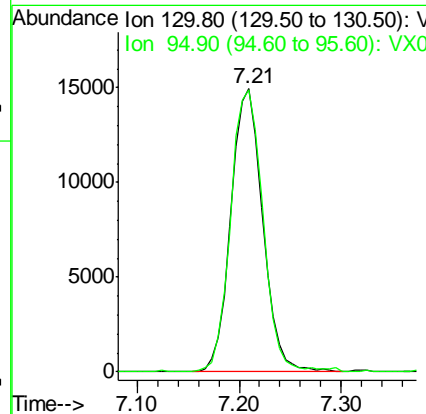
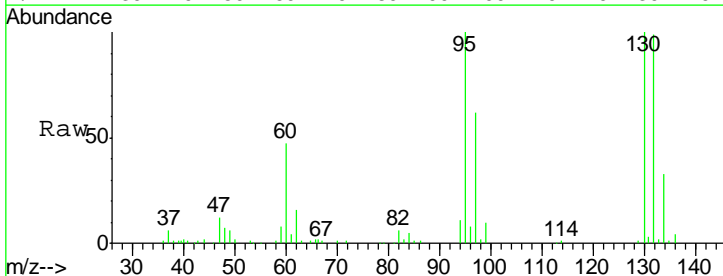
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

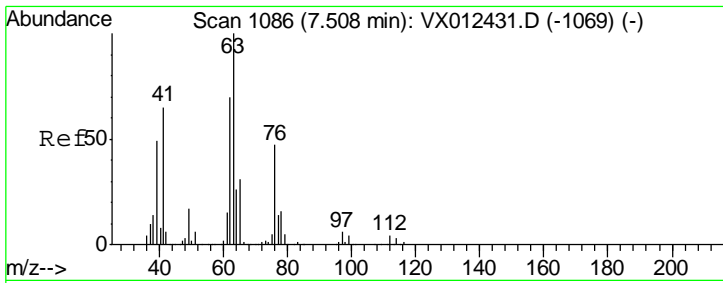
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#44
 Trichloroethene
 Concen: 20.622 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
130	100		
95	99.8	0.0	193.0



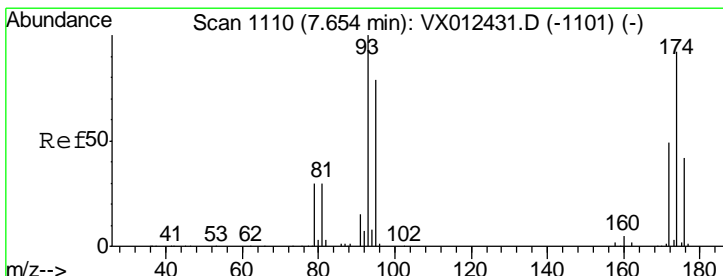
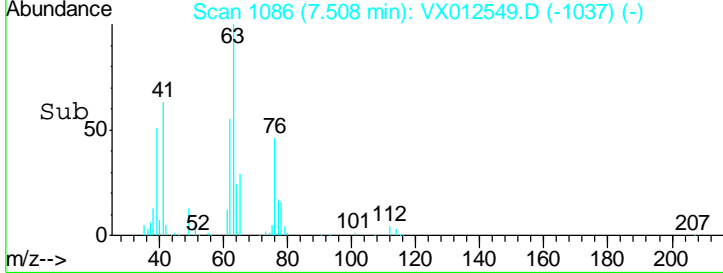
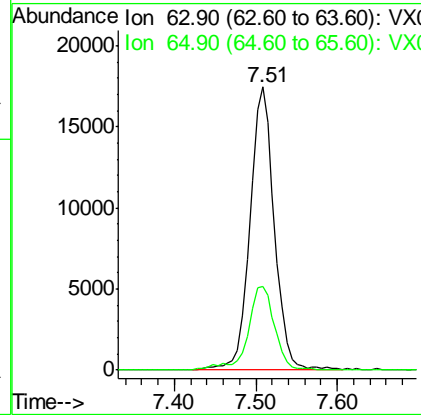
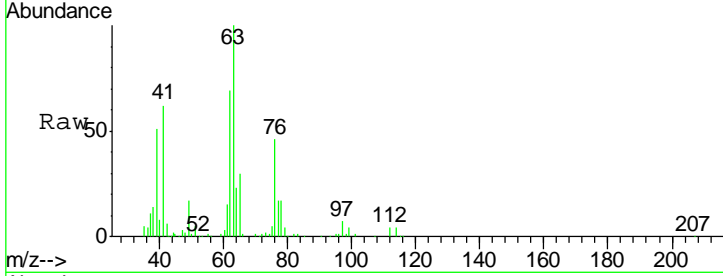


#45
 1,2-Dichloropropane
 Concen: 19.893 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

Tgt Ion	Resp	Lower	Upper
63	100		
65	29.8	25.0	37.6

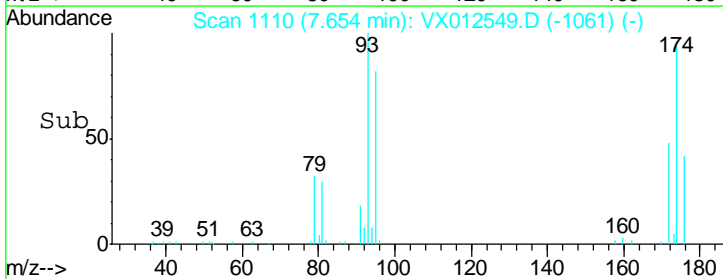
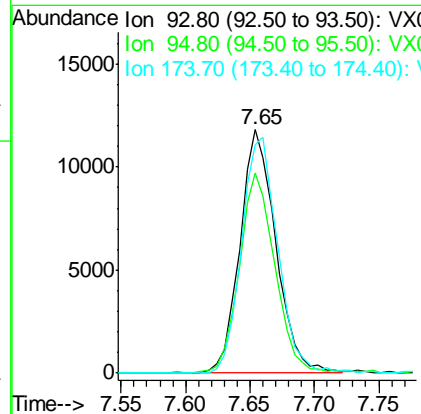
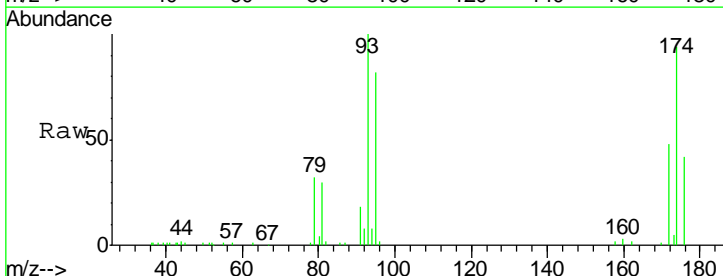
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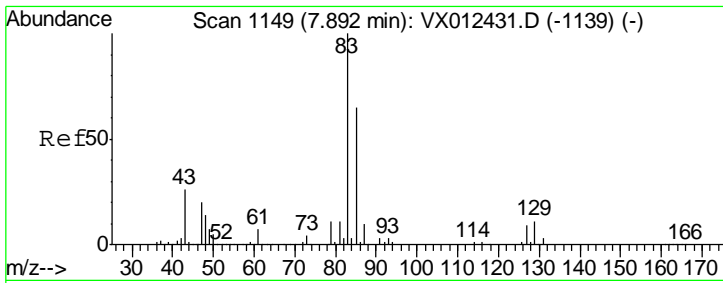


#46
 Dibromomethane
 Concen: 19.246 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

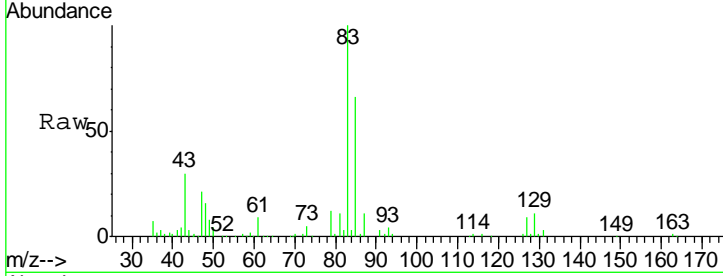
Tgt Ion	Resp	Lower	Upper
93	100		
95	81.7	66.6	100.0
174	97.8	77.4	116.0





#47
 Bromodichloromethane
 Concen: 18.925 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

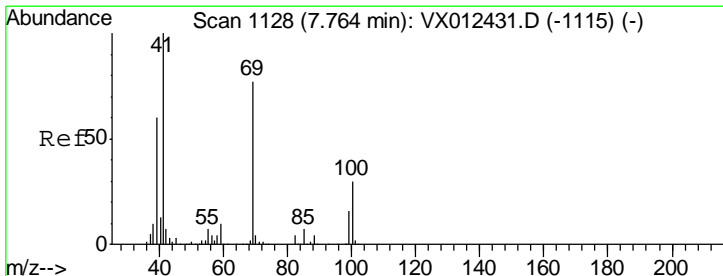
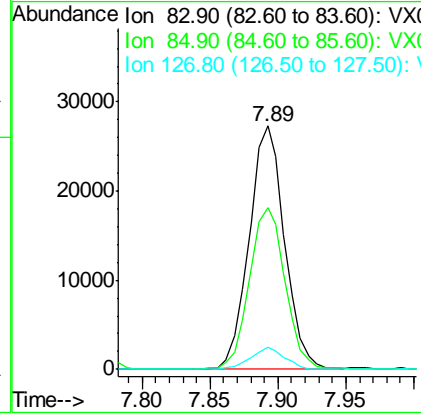
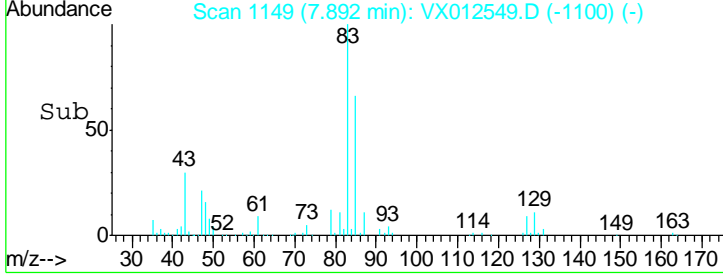
Instrument :
 MSVOA_X
 ClientSampled :
 VX0920MBS01



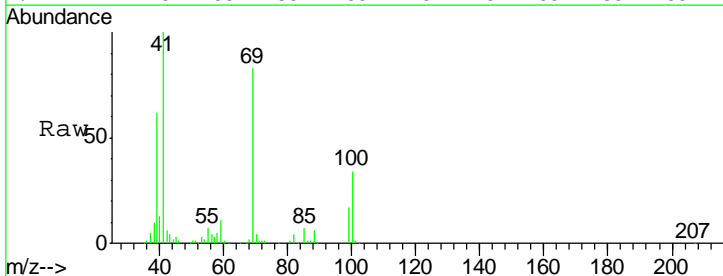
Tgt Ion: 83 Resp: 49809

Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.6
127	9.1	7.3	10.9

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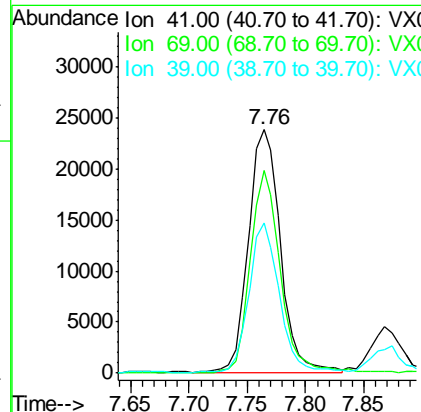
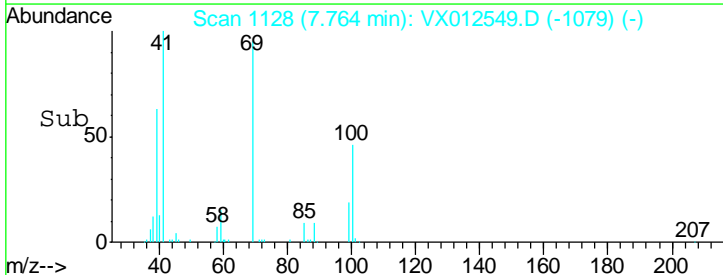


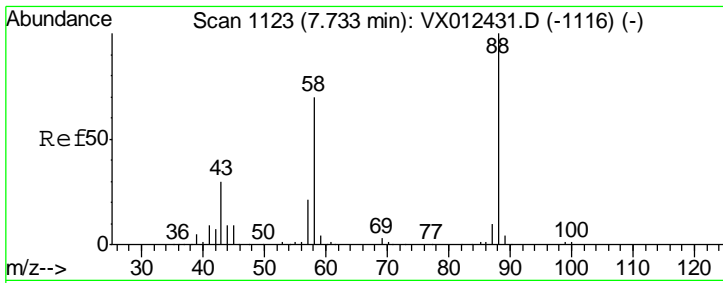
#48
 Methyl methacrylate
 Concen: 18.704 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 41 Resp: 45415

Ion	Ratio	Lower	Upper
41	100		
69	79.2	59.9	89.9
39	60.3	47.8	71.6



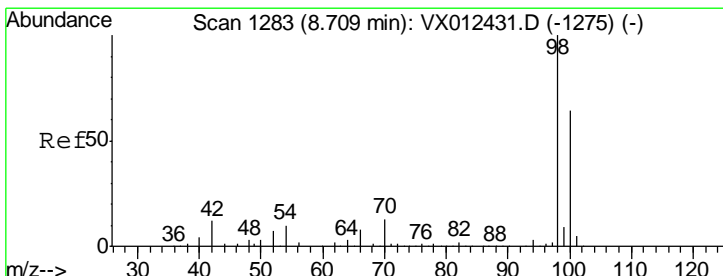
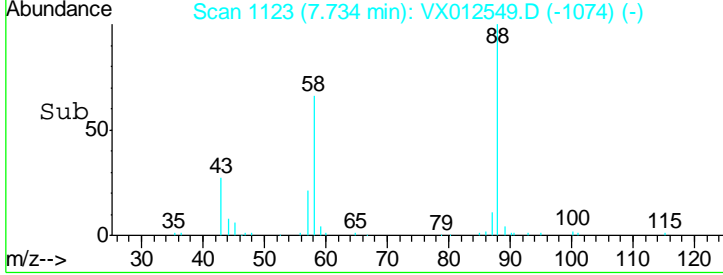
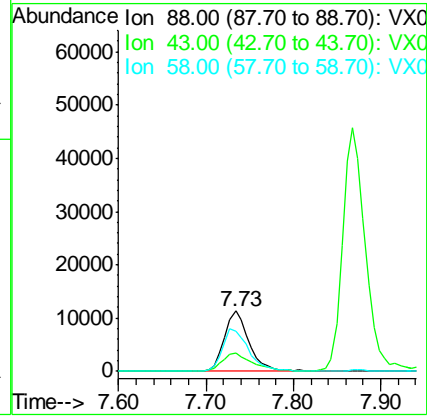
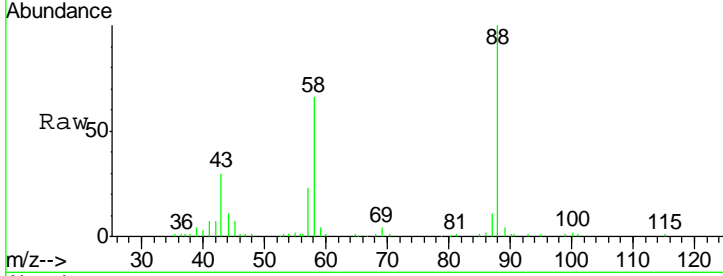


#49
 1,4-Dioxane
 Concen: 377.414 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0920MBS01

Tgt Ion	Resp	Lower	Upper
88	22304		
88	100		
43	38.7	29.4	44.0
58	75.0	57.5	86.3

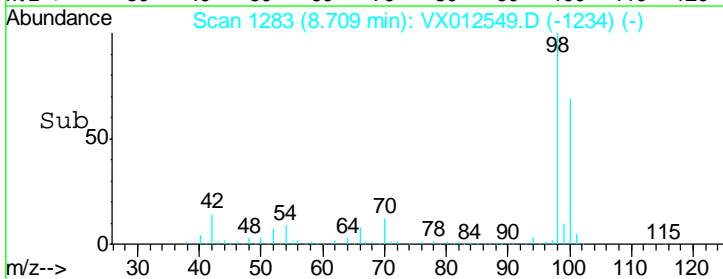
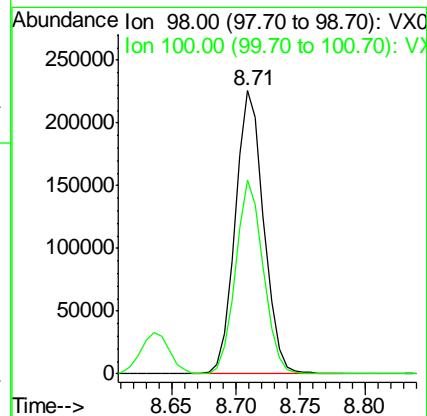
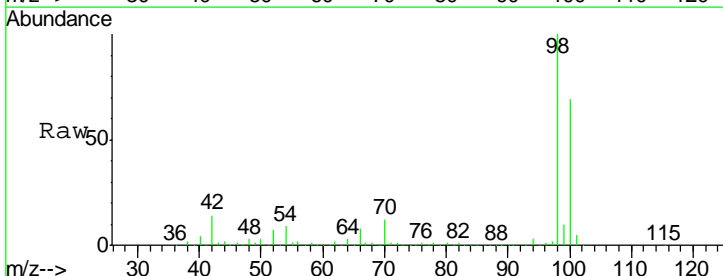
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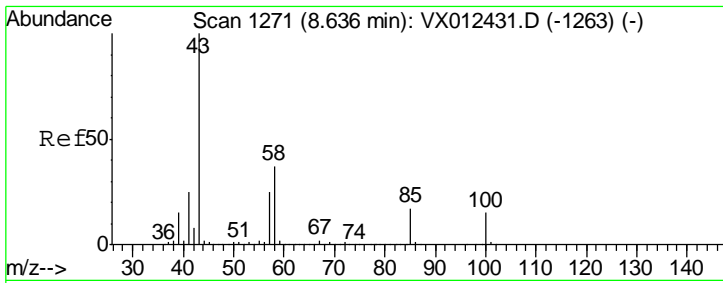


#50
 Toluene-d8
 Concen: 50.464 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0920MBS01

Tgt Ion	Resp	Lower	Upper
98	347802		
98	100		
100	66.9	53.4	80.2





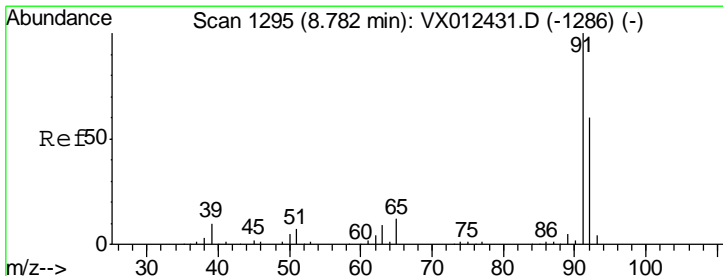
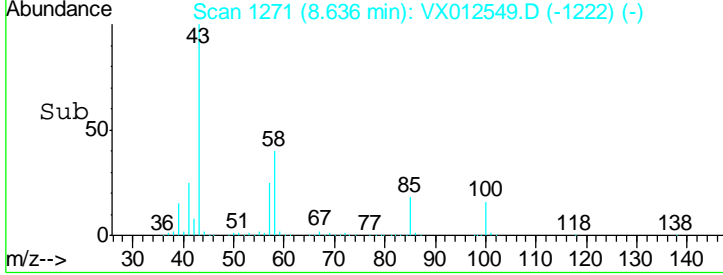
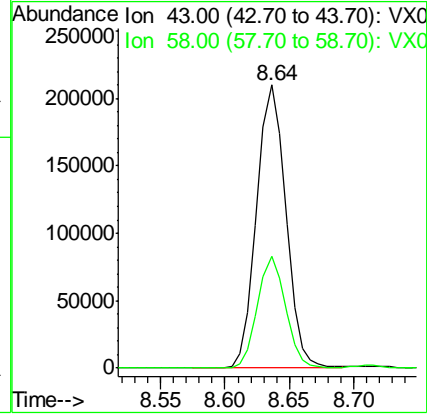
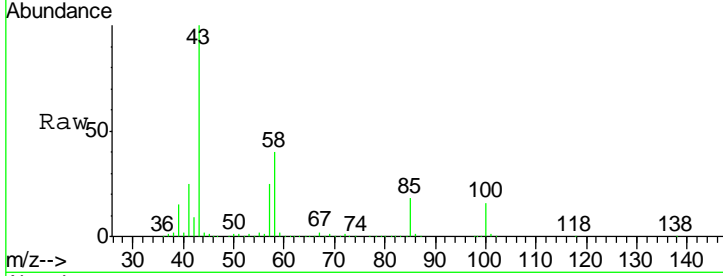
#51
 4-Methyl-2-Pentanone
 Concen: 97.358 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.2	29.8	44.6

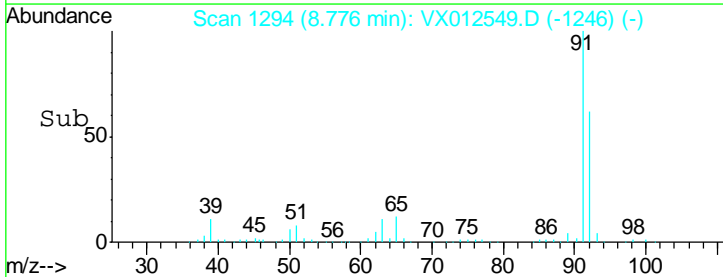
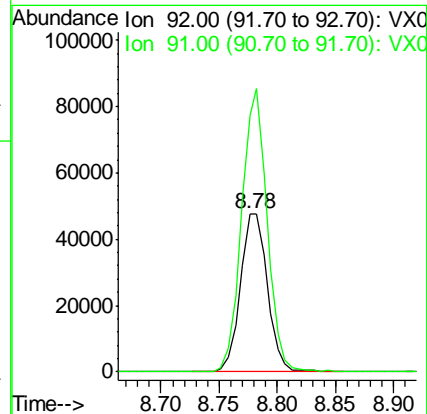
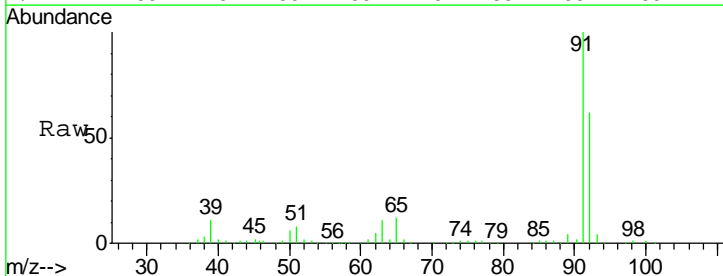
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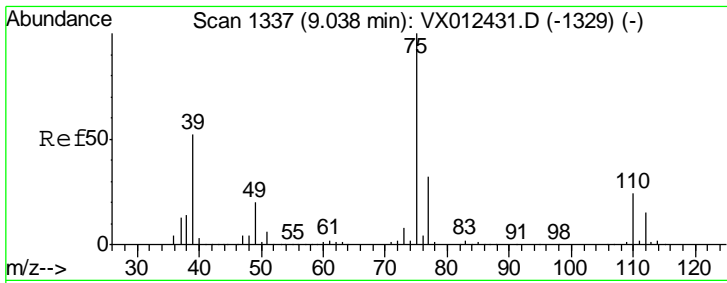
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 9/23/2019 11:29:40 AM



#52
 Toluene
 Concen: 20.179 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.1	135.4	203.0



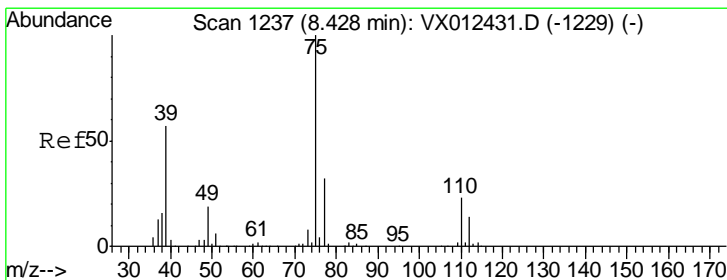
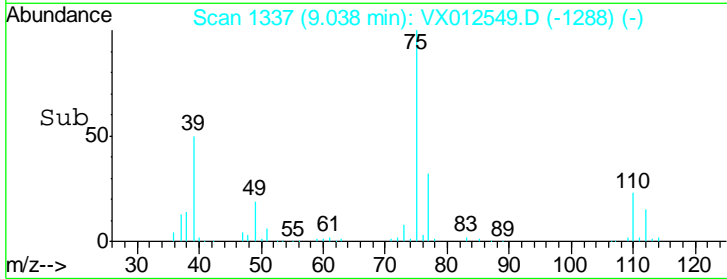
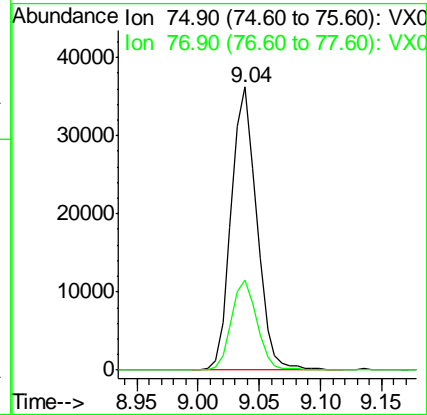
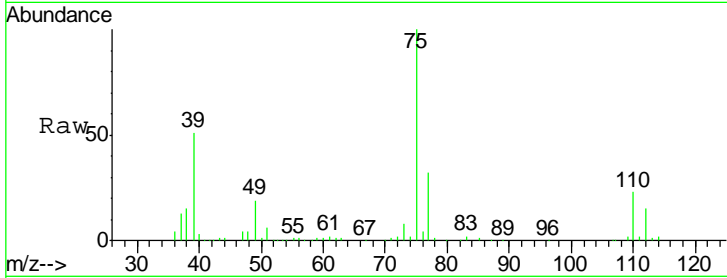


#53
 t-1,3-Dichloropropene
 Concen: 19.157 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.1	25.2	37.8

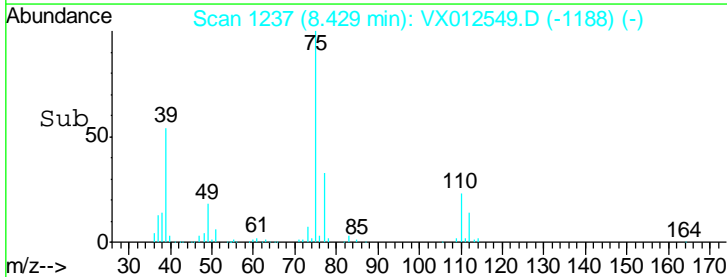
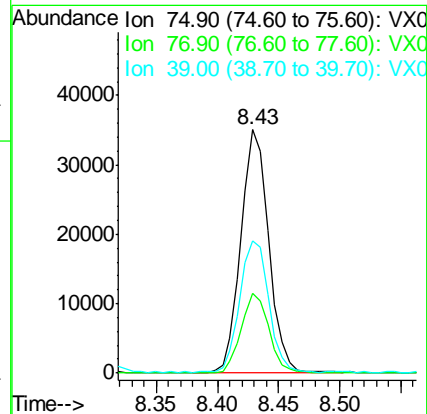
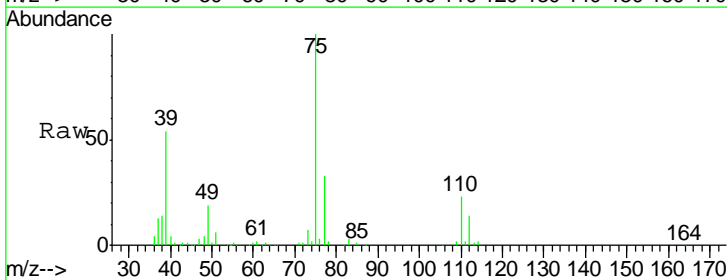
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

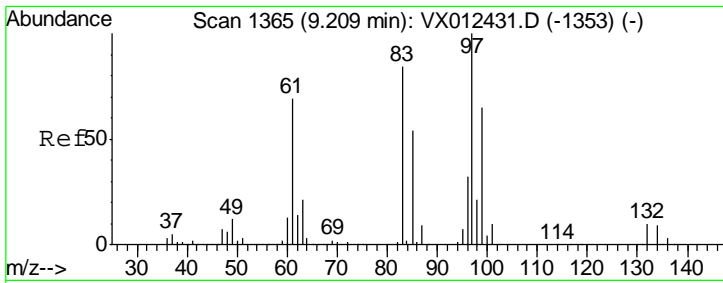
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#54
 cis-1,3-Dichloropropene
 Concen: 19.610 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

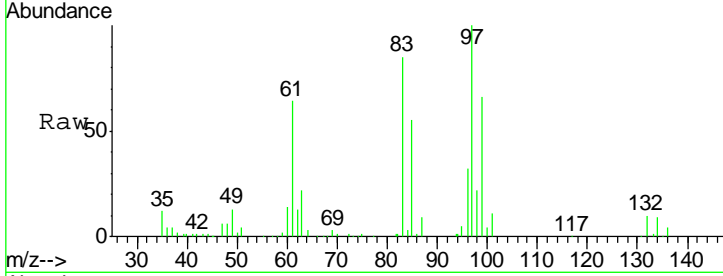
Tgt Ion	Resp	Lower	Upper
75	100		
77	32.7	25.8	38.8
39	54.1	45.5	68.3





#55
 1,1,2-Trichloroethane
 Concen: 19.610 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

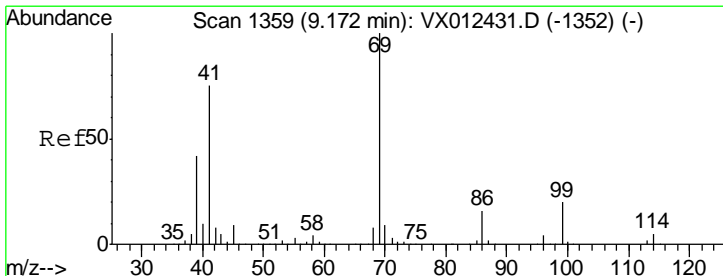
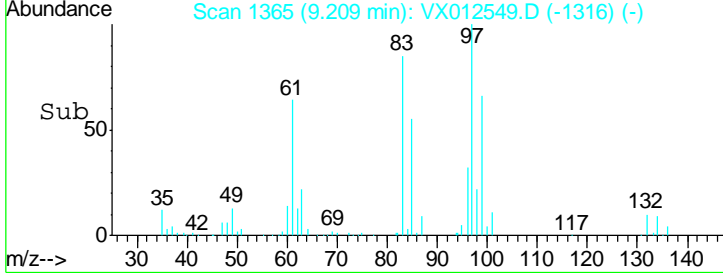
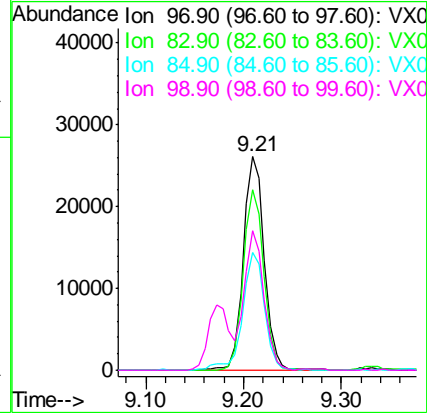
Instrument : MSVOA_X
 Client Sampled : VX0920MBS01



Tgt Ion: 97 Resp: 38705

Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.4	101.2
85	55.1	43.5	65.3
99	65.6	51.8	77.8

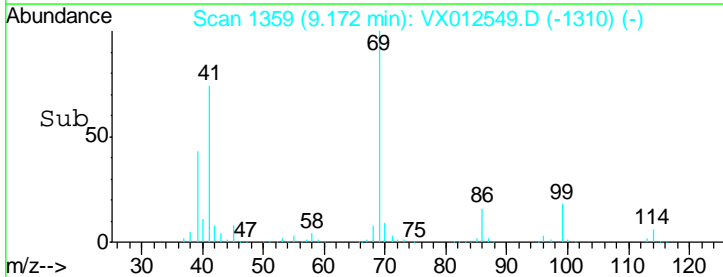
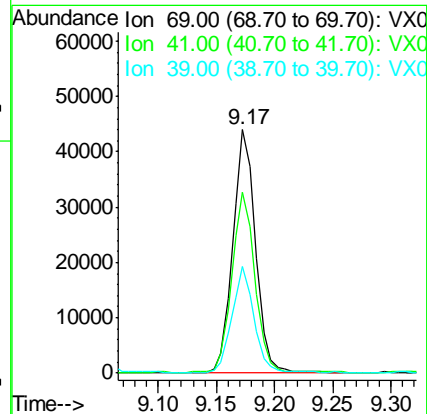
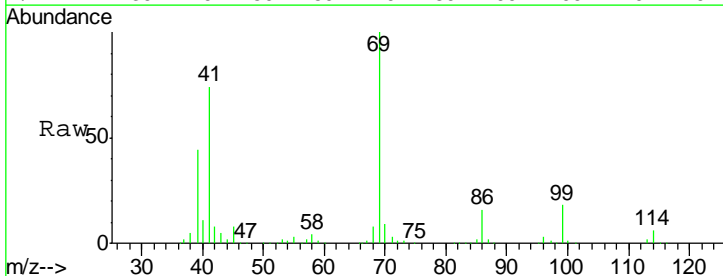
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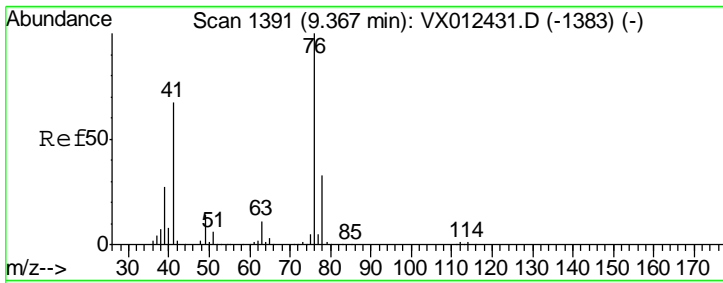


#56
 Ethyl methacrylate
 Concen: 19.449 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion: 69 Resp: 60018

Ion	Ratio	Lower	Upper
69	100		
41	75.4	58.4	87.6
39	42.4	33.4	50.0



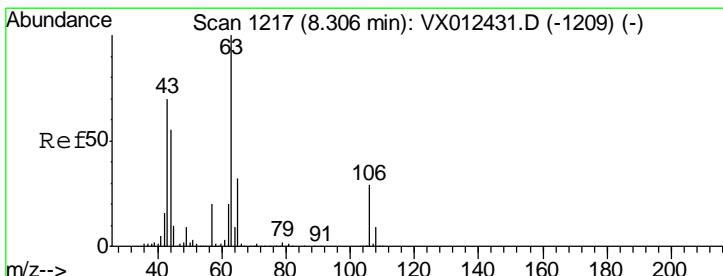
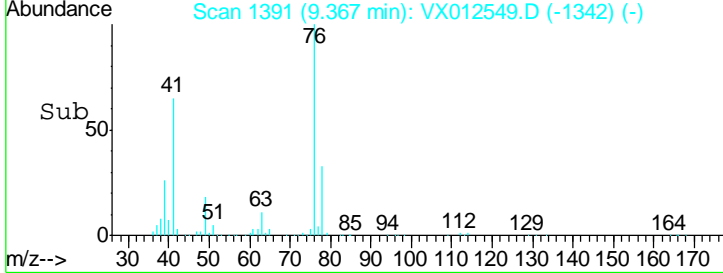
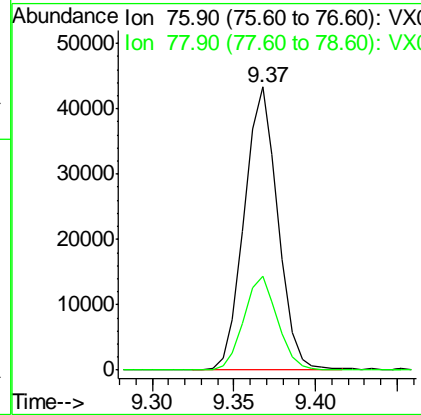
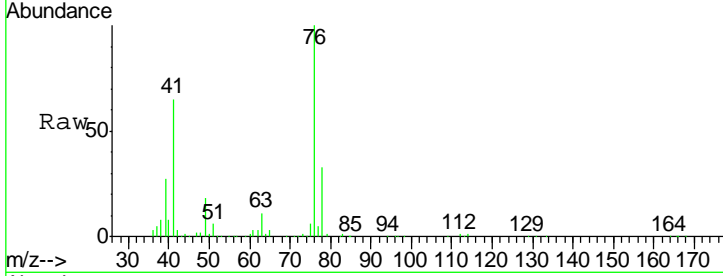


#57
 1,3-Dichloropropane
 Concen: 19.768 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
76	62253		
76	100		
78	33.5	26.2	39.2

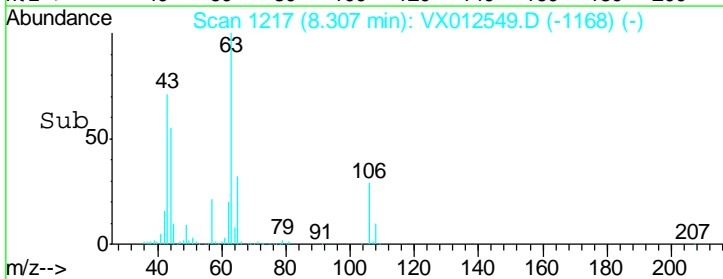
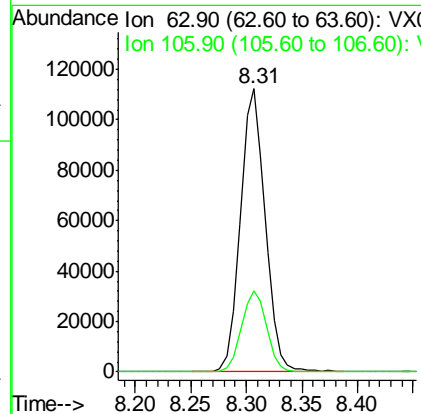
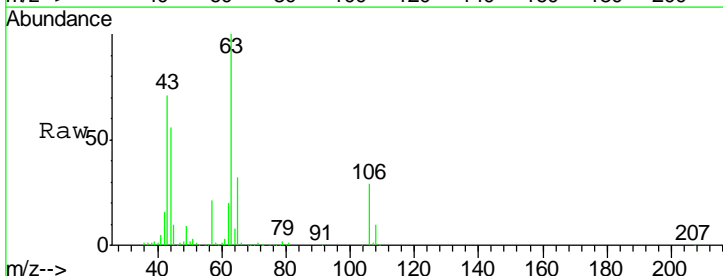
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

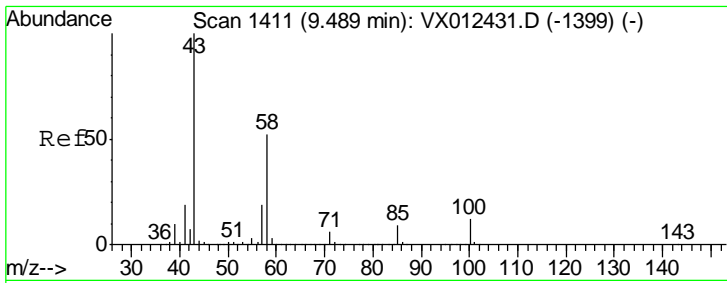
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#58
 2-Chloroethyl Vinyl ether
 Concen: 108.138 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
63	172742		
63	100		
106	29.3	23.8	35.6



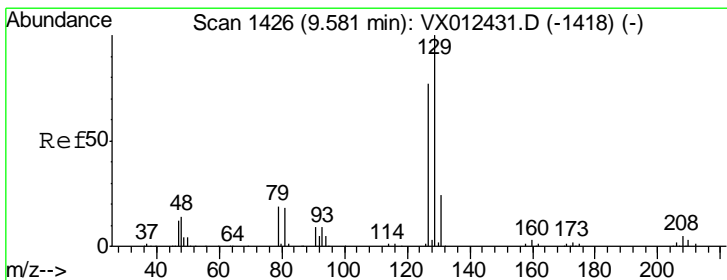
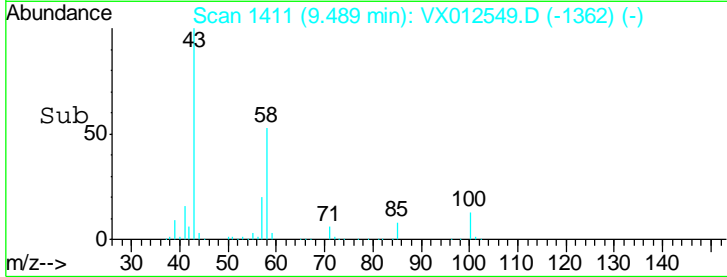
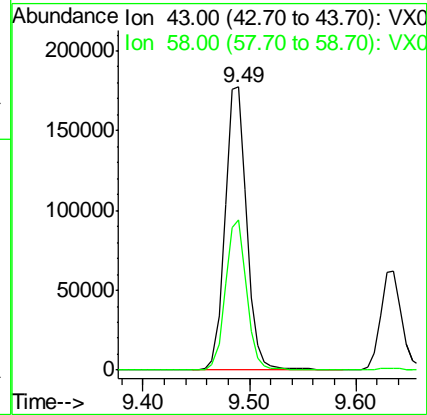
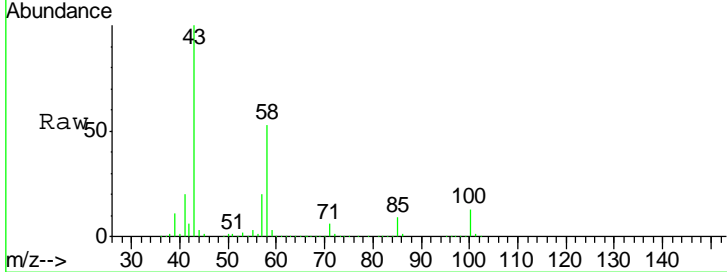


#59
 2-Hexanone
 Concen: 95.531 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

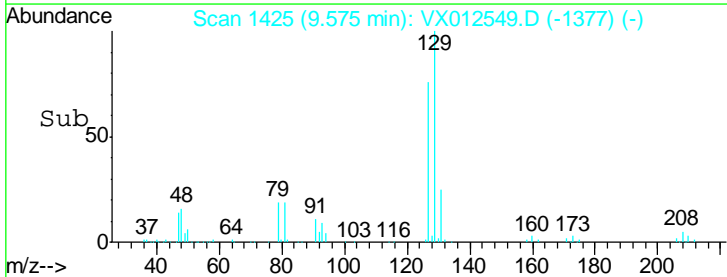
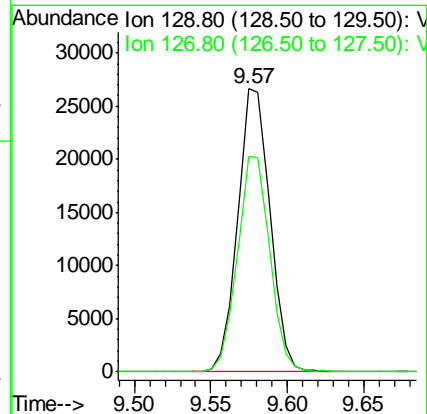
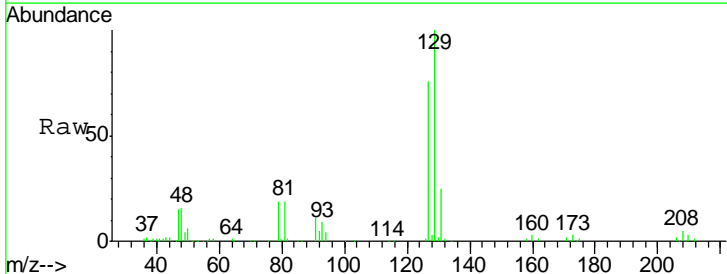
Tgt Ion	Resp	Lower	Upper
43	100		
58	52.0	25.7	77.1

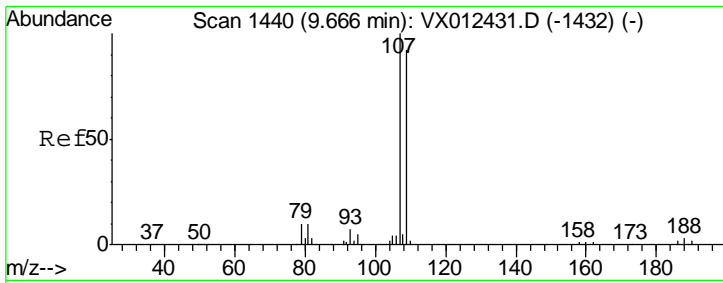
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#60
 Dibromochloromethane
 Concen: 19.418 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.6	38.9	116.6





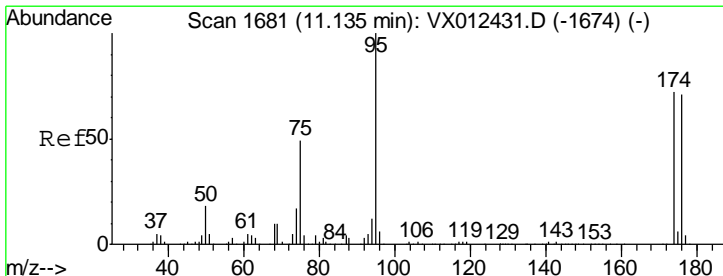
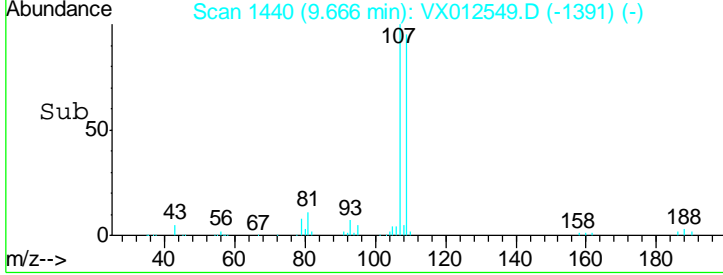
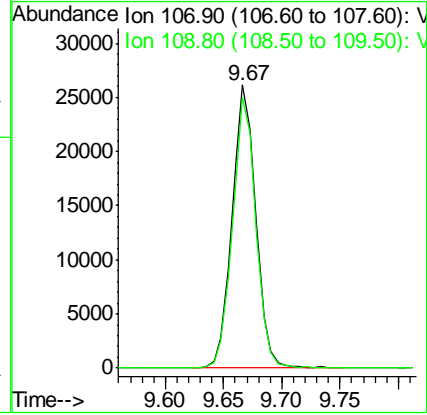
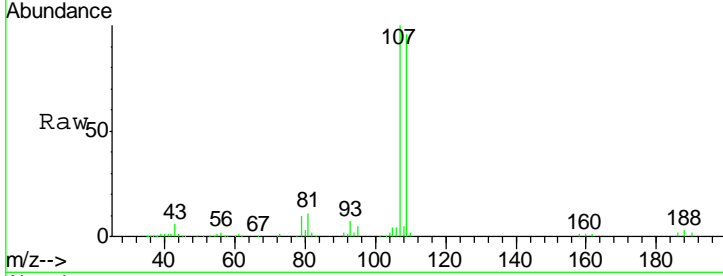
#61
 1,2-Dibromoethane
 Concen: 20.563 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

Tgt Ion	Resp	Lower	Upper
107	37068		
109	94.0	74.7	112.1

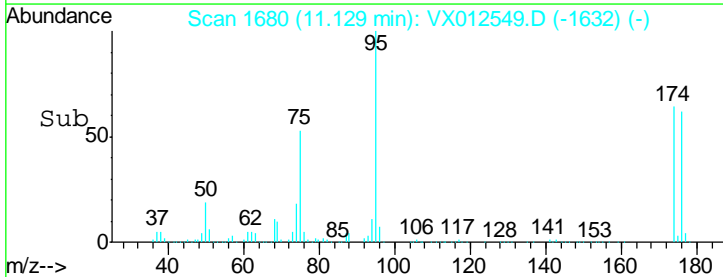
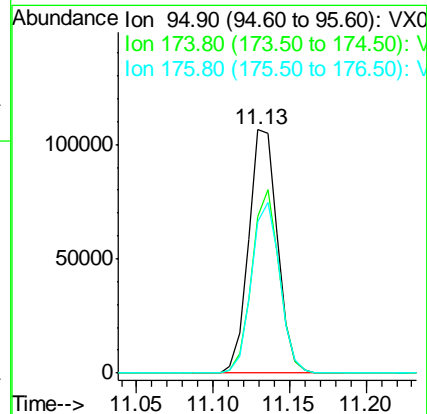
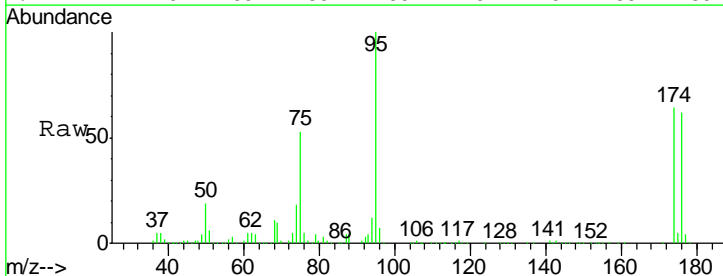
Manual Integrations
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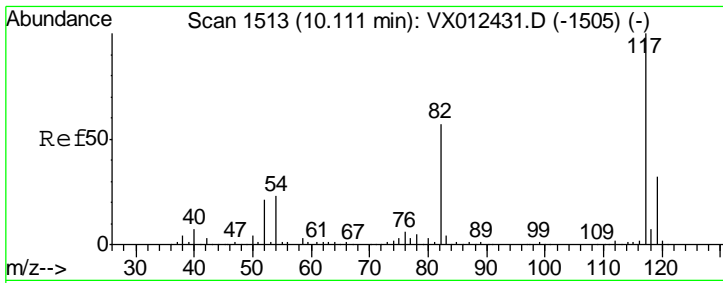
MMDadoda
 9/23/2019 11:29:40 AM



#62
 4-Bromofluorobenzene
 Concen: 48.635 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

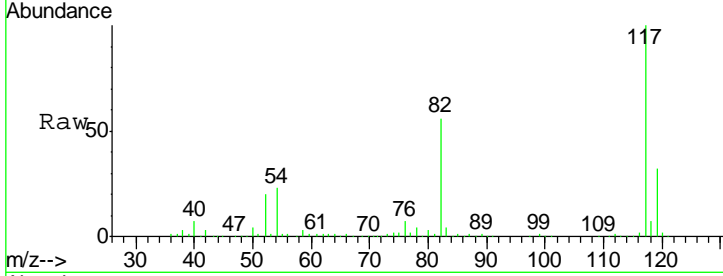
Tgt Ion	Resp	Lower	Upper
95	139177		
174	71.5	0.0	140.0
176	69.3	0.0	135.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

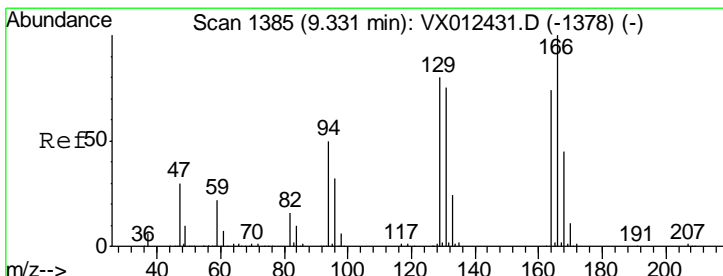
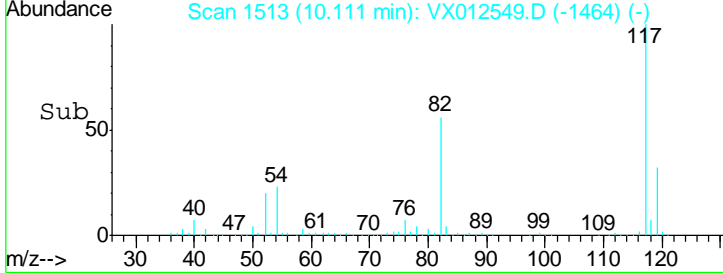
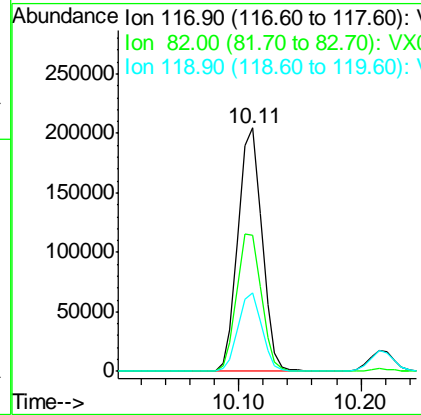
Instrument : MSVOA_X
 Client Sampled : VX0920MBS01



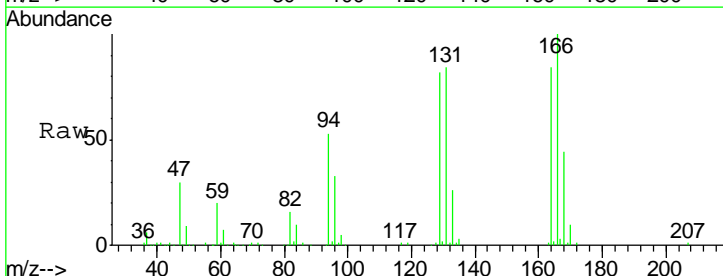
Tgt Ion: 117 Resp: 277822

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.9	68.9
119	32.5	25.3	37.9

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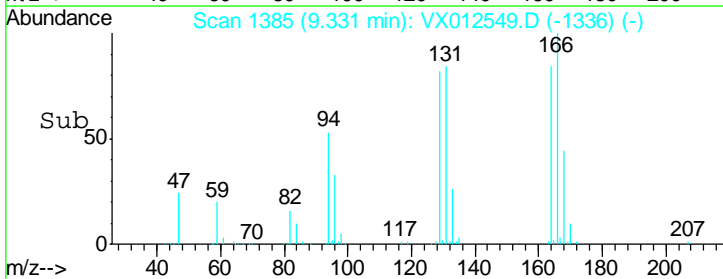
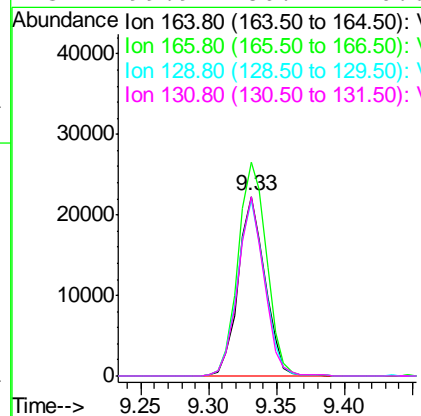


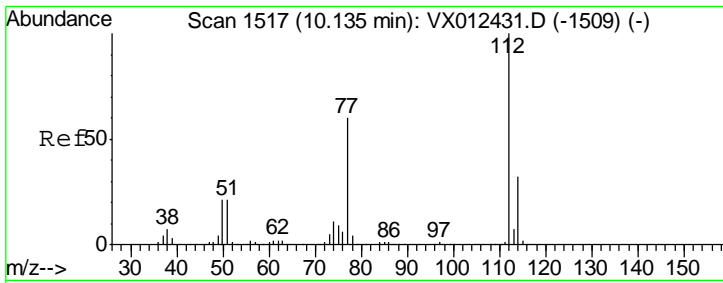
#64
 Tetrachloroethene
 Concen: 24.046 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 164 Resp: 30613

Ion	Ratio	Lower	Upper
164	100		
166	119.1	107.8	161.6
129	97.9	86.2	129.2
131	99.9	80.4	120.6



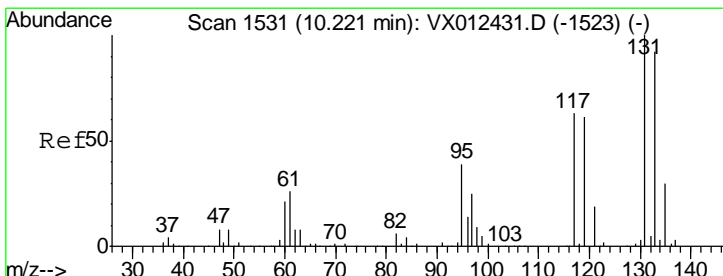
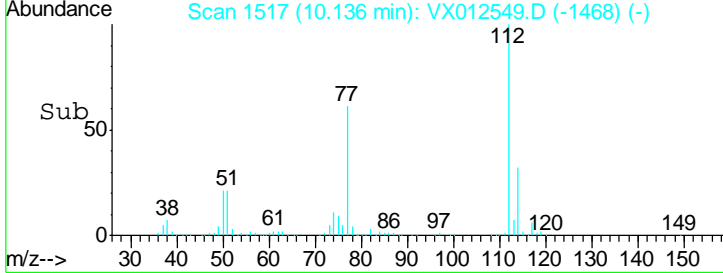
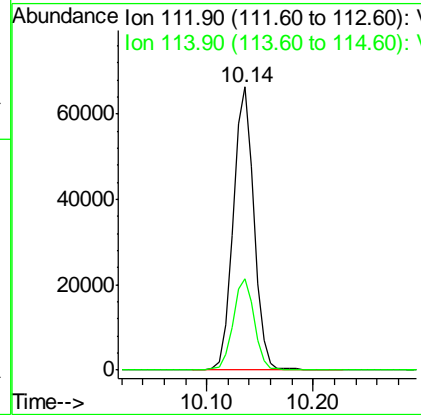
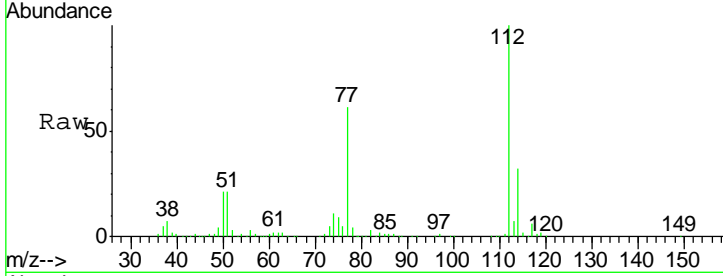


#65
 Chlorobenzene
 Concen: 19.772 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

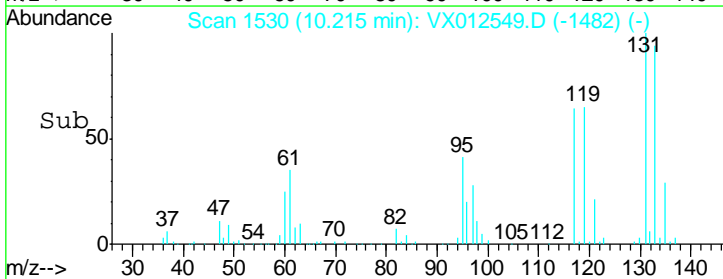
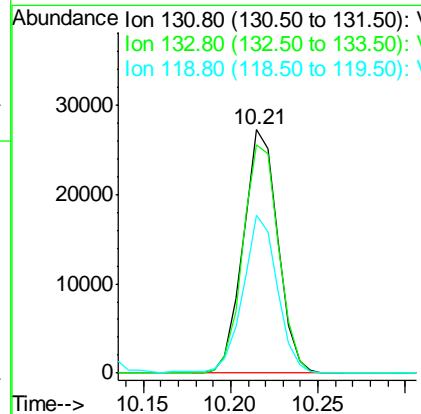
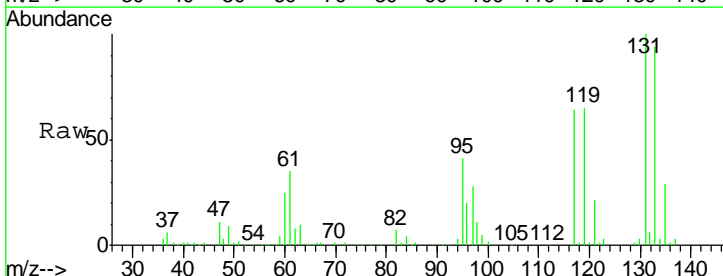
Tgt Ion	Resp	Lower	Upper
112	90661		
114	32.5	25.4	38.0

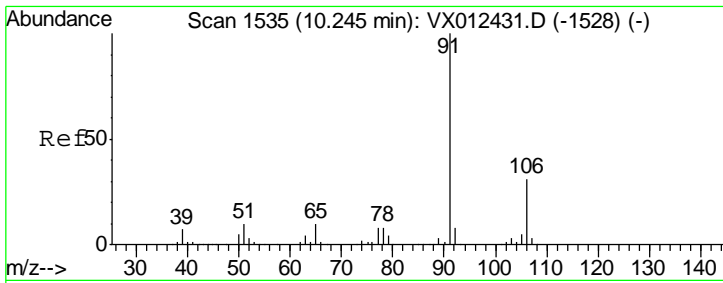
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.649 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
131	37393		
133	97.4	47.6	142.9
119	64.2	31.3	93.8





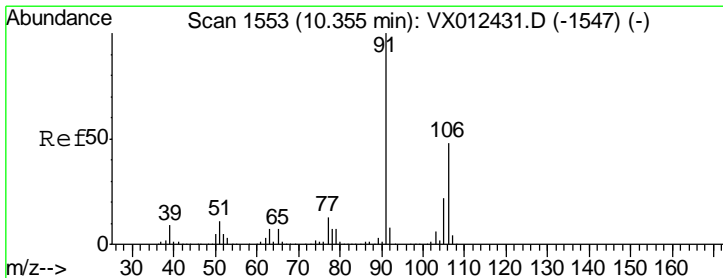
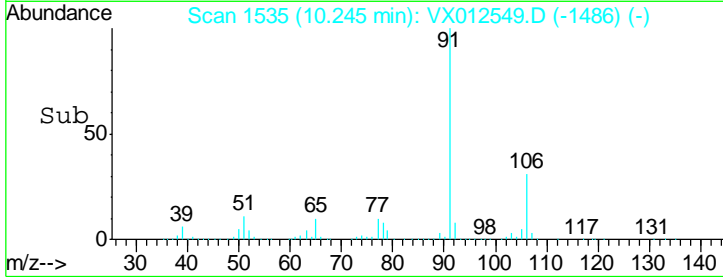
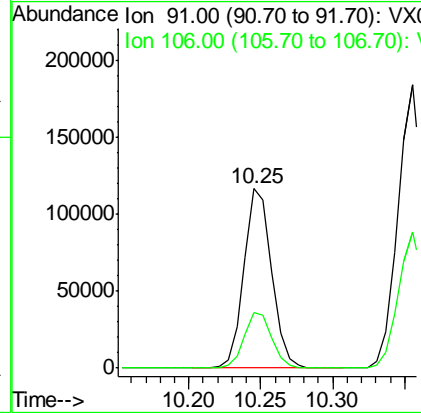
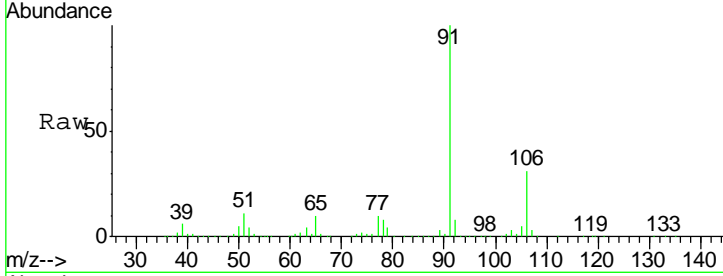
#67
Ethyl Benzene
Concen: 19.757 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
ClientSampled : VX0920MBS01

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.3	24.6	37.0

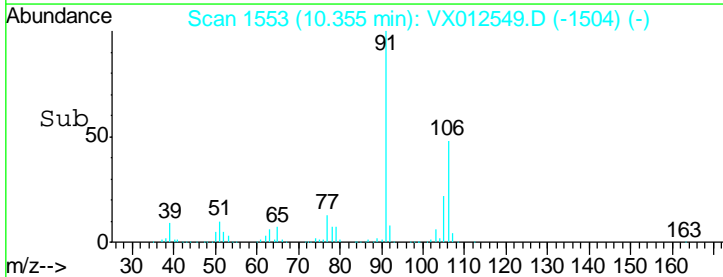
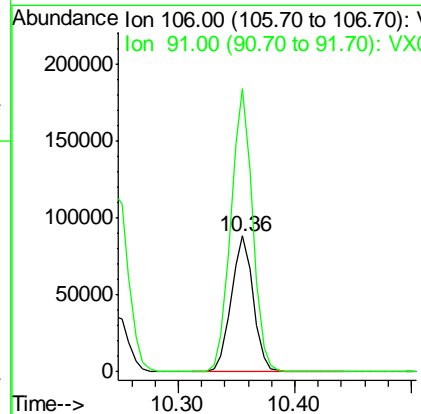
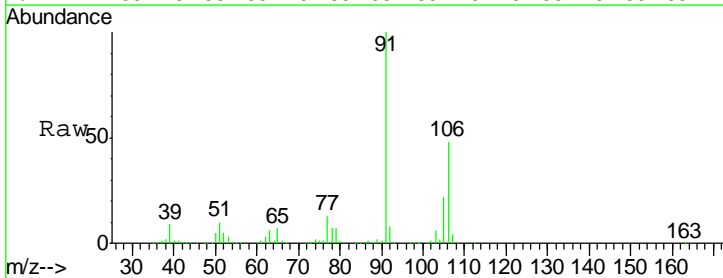
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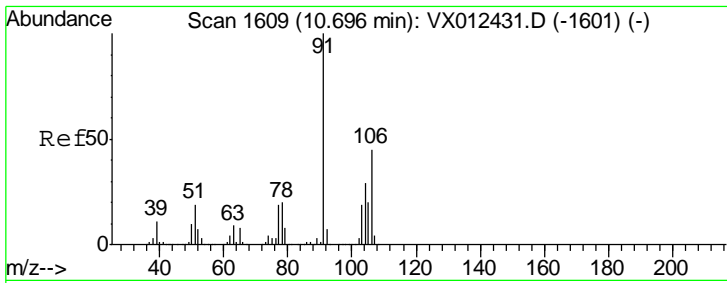
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#68
m/p-Xylenes
Concen: 40.422 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
106	100		
91	205.5	166.6	250.0



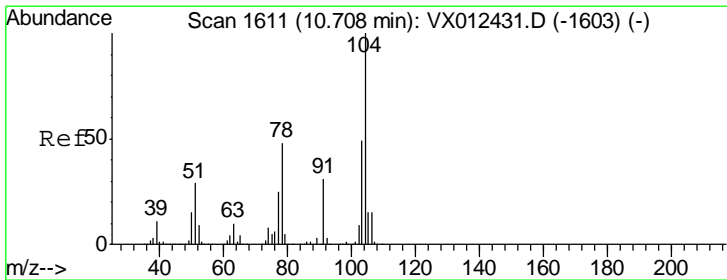
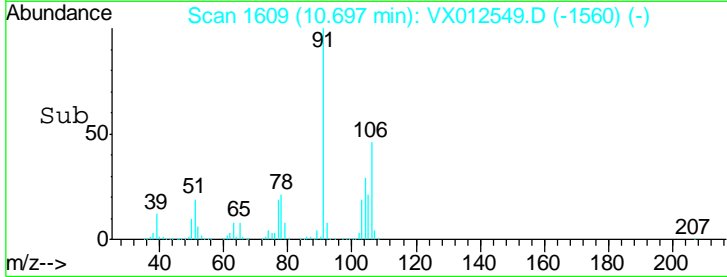
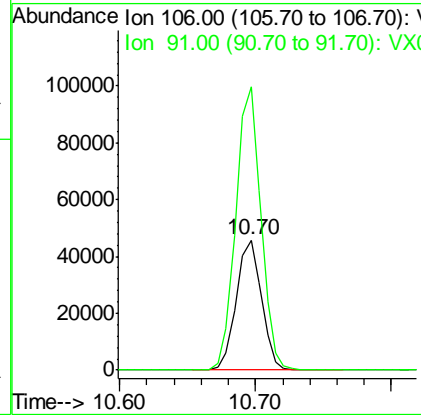
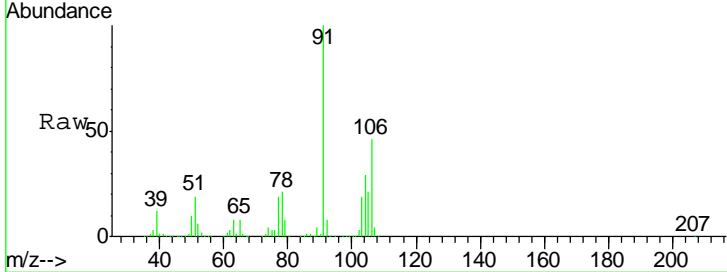


#69
 o-Xylene
 Concen: 20.106 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

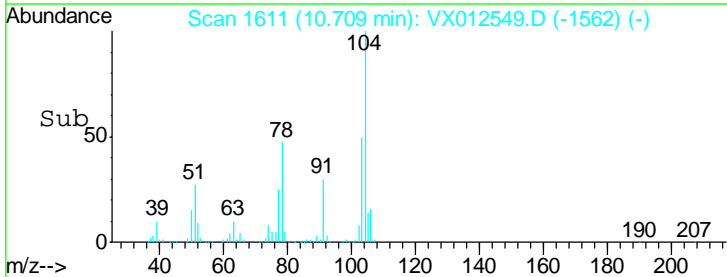
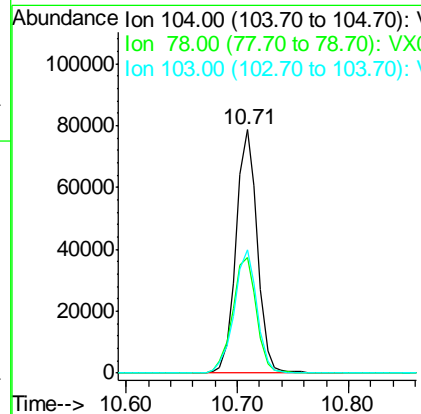
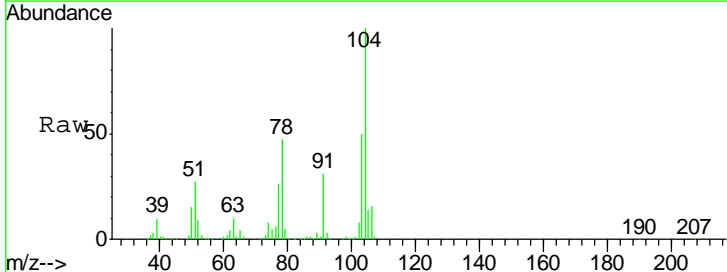
Tgt Ion	Resp	Lower	Upper
106	59269		
106	100		
91	215.7	109.4	328.2

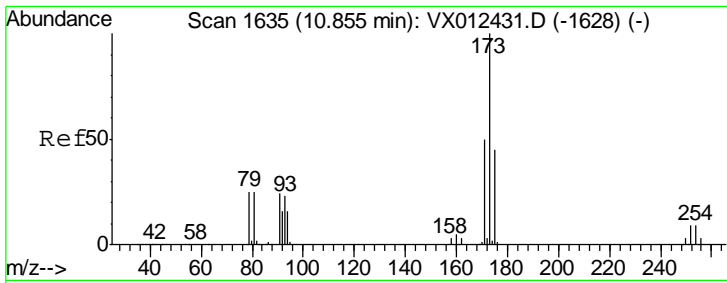
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#70
 Styrene
 Concen: 19.836 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
104	103460		
104	100		
78	53.6	43.4	65.2
103	54.3	43.3	64.9





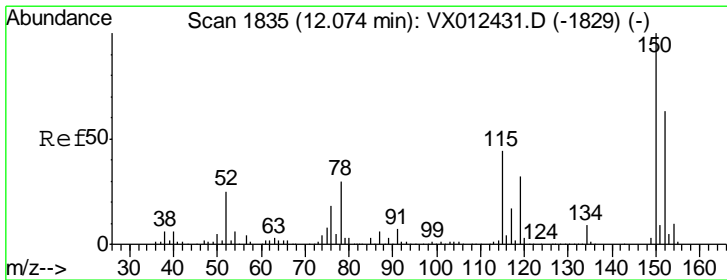
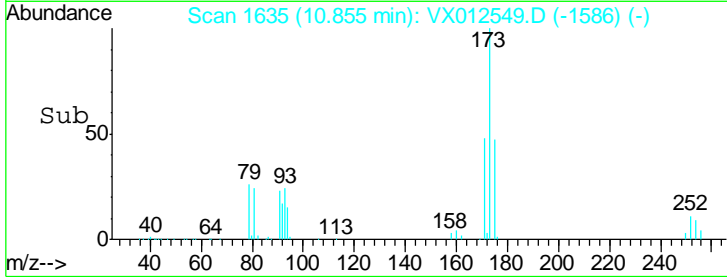
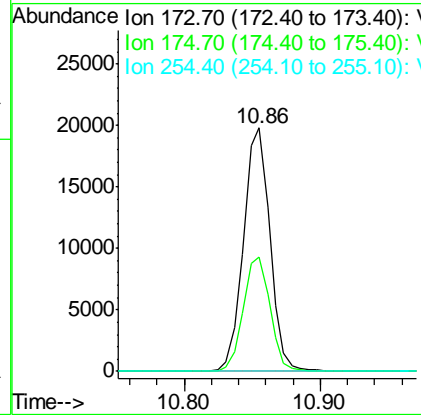
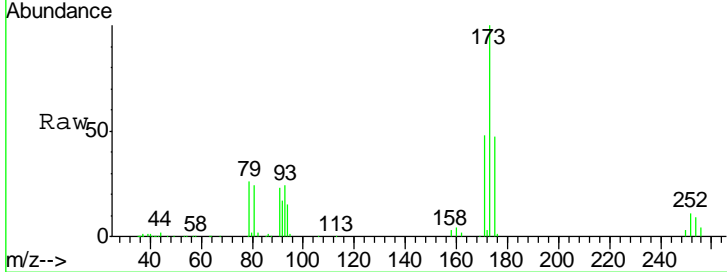
#71
 Bromoform
 Concen: 18.266 ug/l
 RT: 10.86 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

Tgt Ion	Resp	Lower	Upper
173	100		
175	47.5	23.7	71.1
254	0.0	0.1	0.1

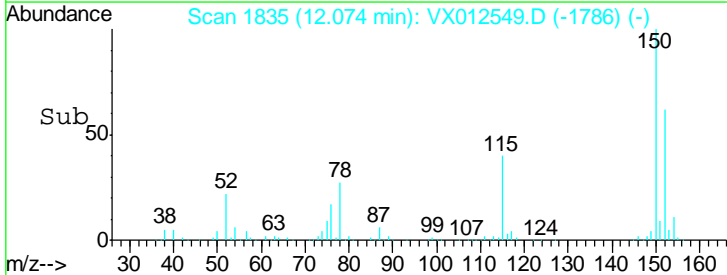
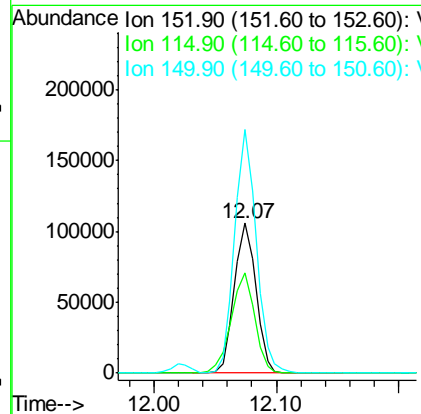
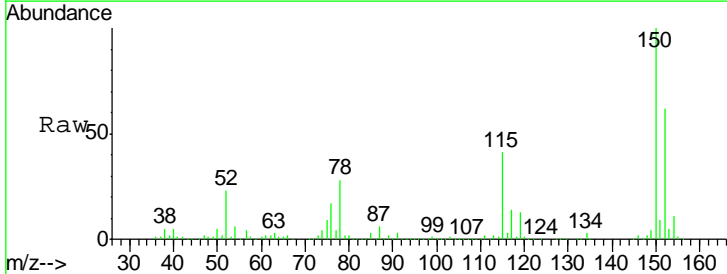
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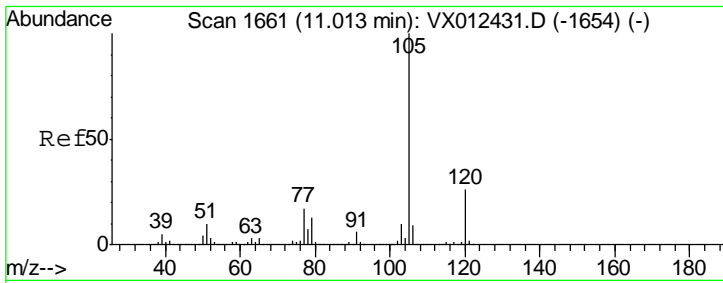
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

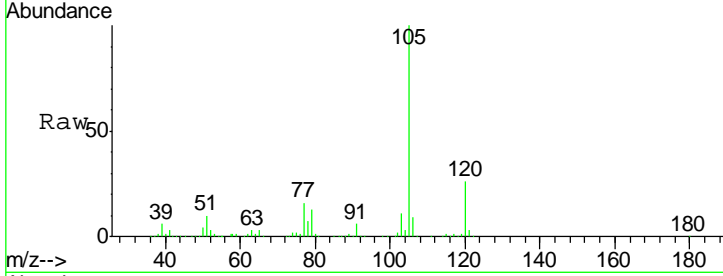
Tgt Ion	Resp	Lower	Upper
152	100		
115	72.4	44.1	132.3
150	163.1	0.0	343.8





#73
 Isopropylbenzene
 Concen: 20.461 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

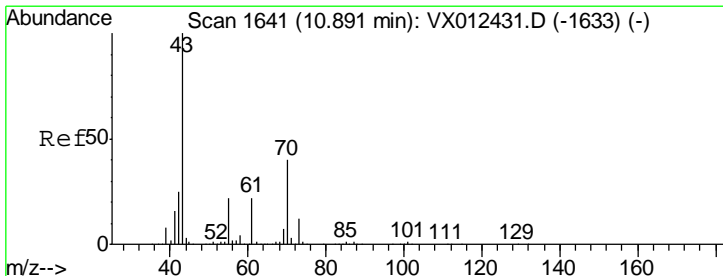
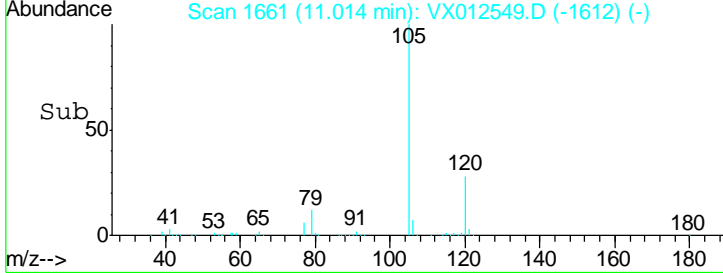
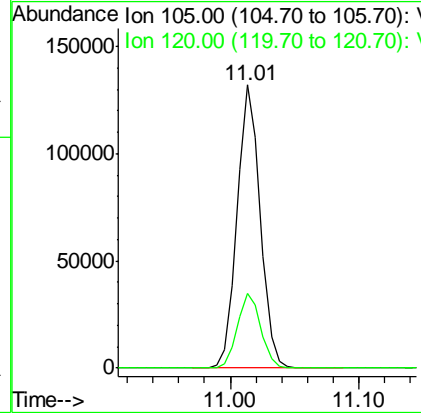
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01



Tgt Ion: 105 Resp: 165681

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.7

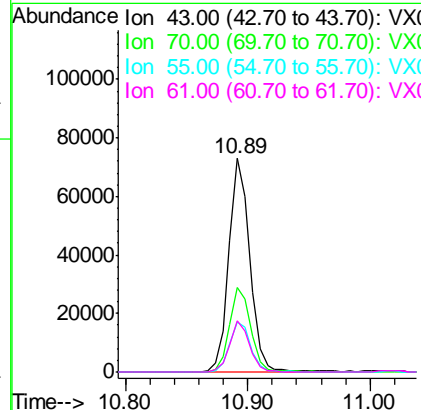
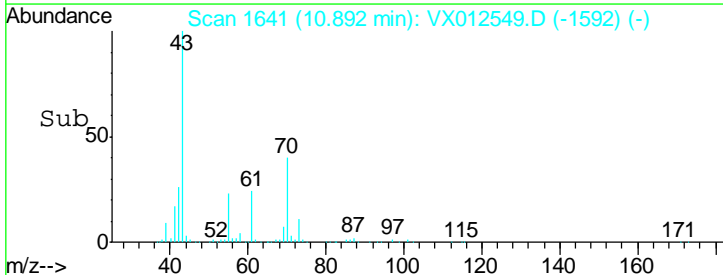
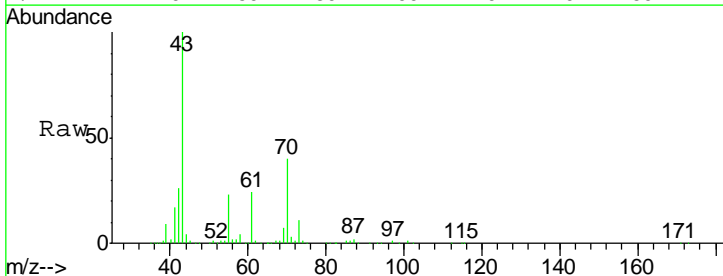
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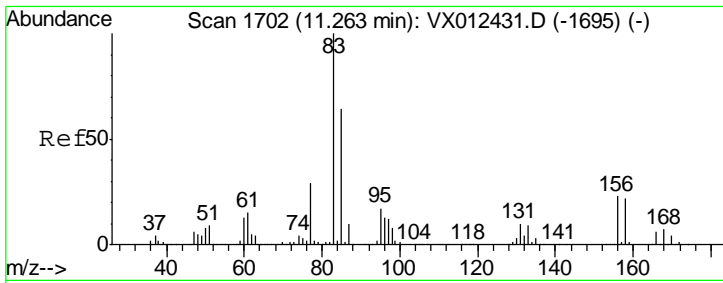


#74
 N-ethyl acetate
 Concen: 19.761 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion: 43 Resp: 86147

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.4	48.6
55	24.1	18.2	27.4
61	22.9	18.5	27.7



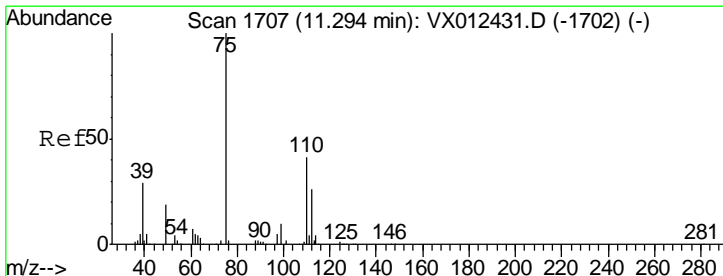
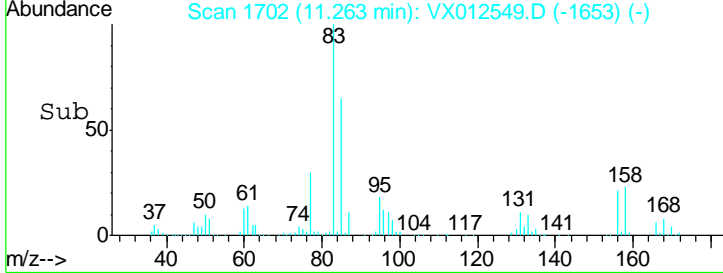
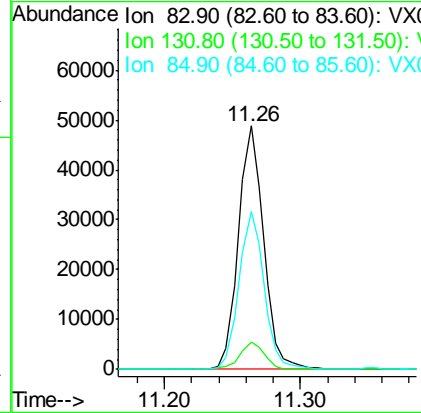
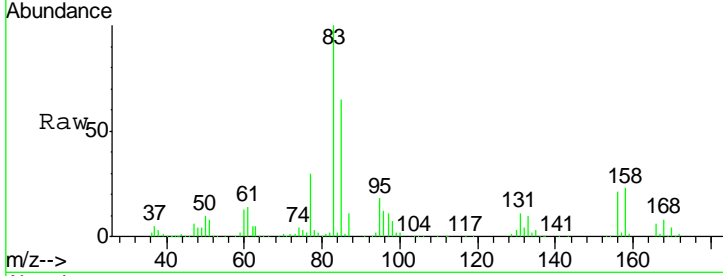


#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.899 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

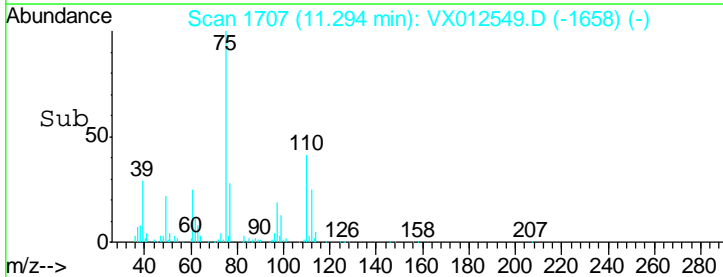
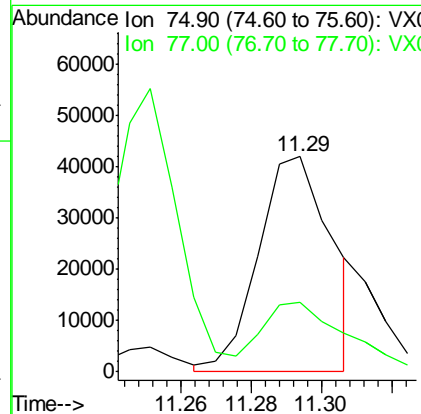
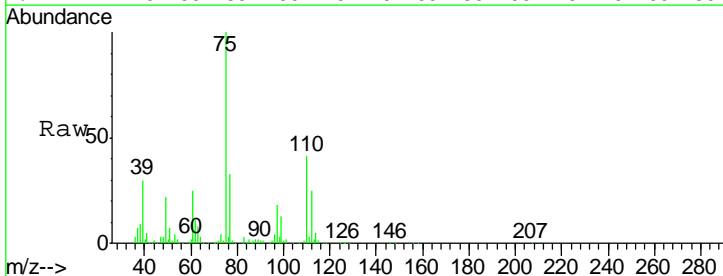
Tgt Ion	Resp	Lower	Upper
83	100		
131	10.9	5.2	15.6
85	64.8	32.0	96.0

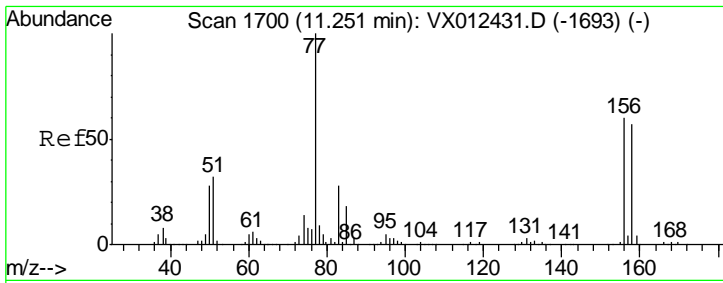
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#76
 1,2,3-Trichloropropane
 Concen: 20.515 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
75	100		
77	37.5	19.7	59.0



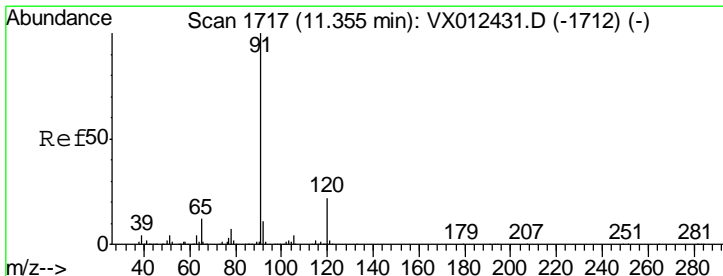
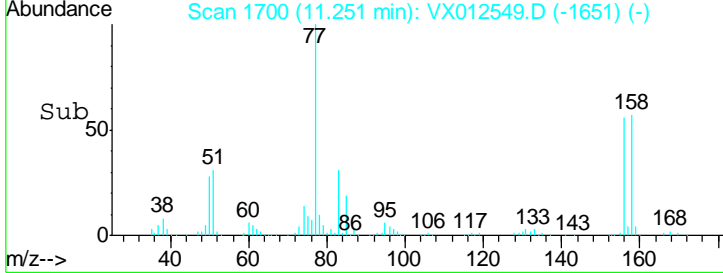
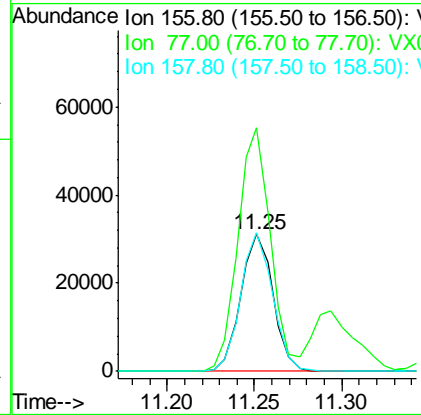
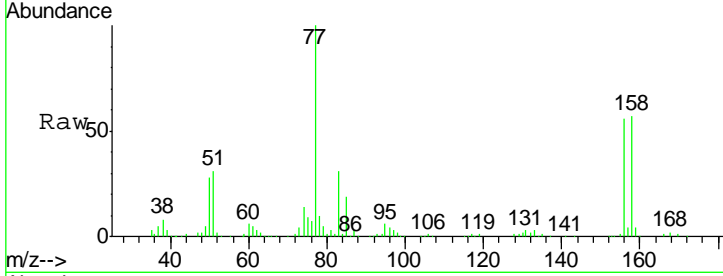


#77
 Bromobenzene
 Concen: 20.275 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

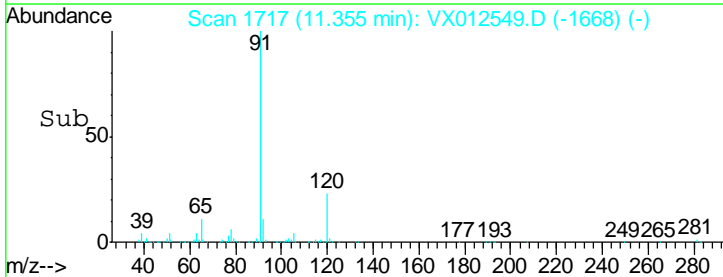
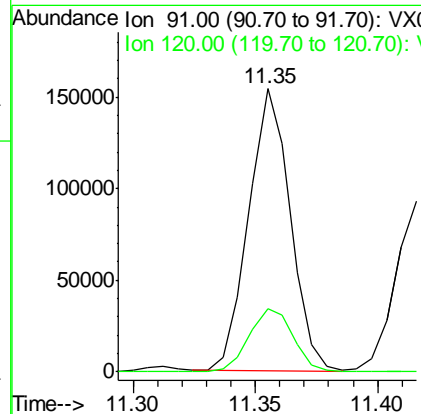
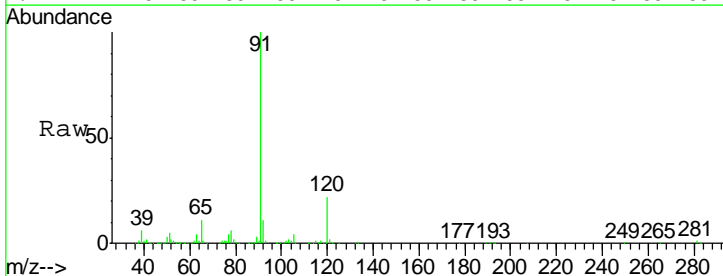
Tgt Ion	Resp	Lower	Upper
156	40039		
77	179.2	87.3	261.8
158	100.0	48.5	145.6

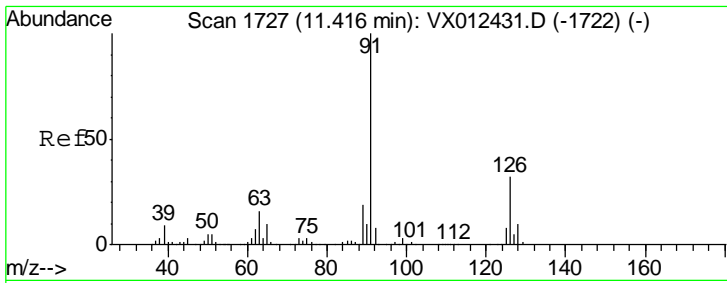
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#78
 n-propylbenzene
 Concen: 20.206 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
91	182357		
120	23.9	11.3	33.8



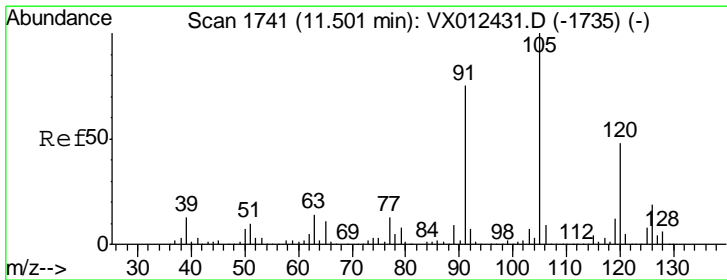
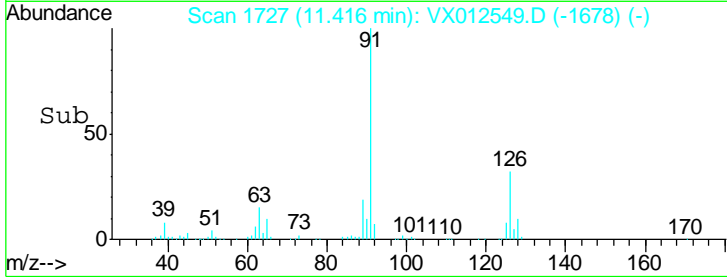
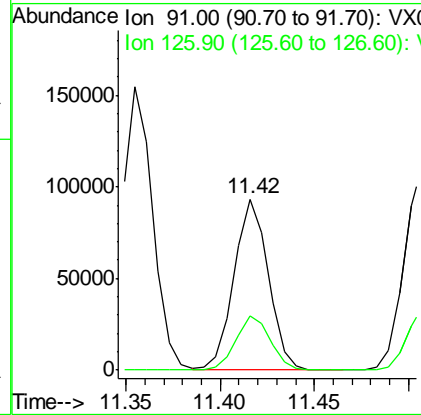
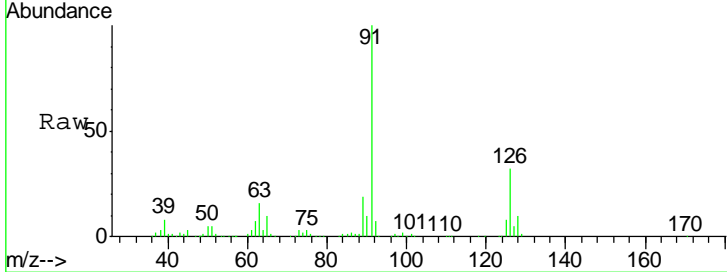


#79
 2-Chlorotoluene
 Concen: 19.938 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

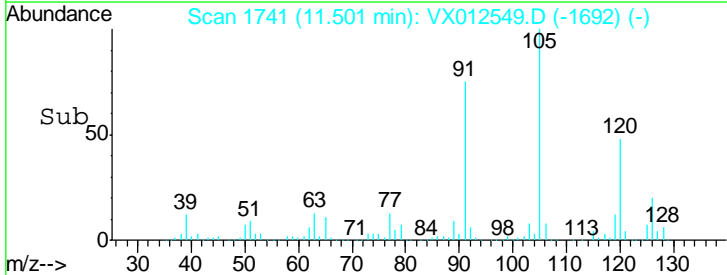
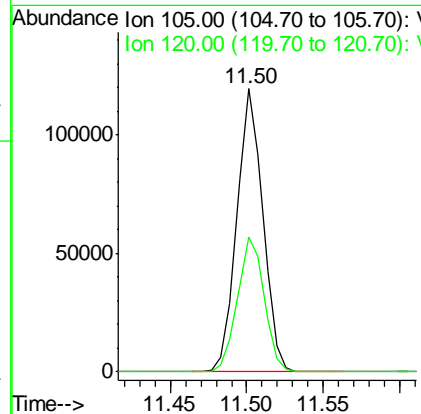
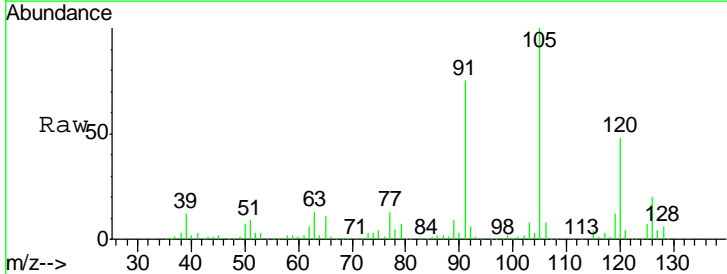
Tgt Ion	Resp	Lower	Upper
91	117062		
91	100		
126	32.0	16.4	49.4

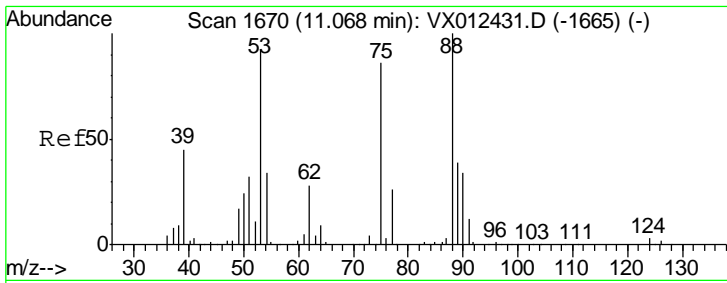
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.393 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
105	140828		
105	100		
120	49.0	24.3	72.8



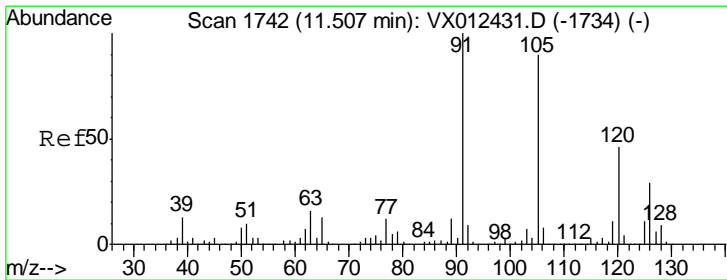
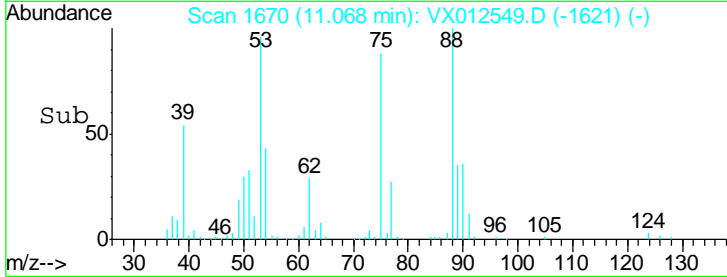
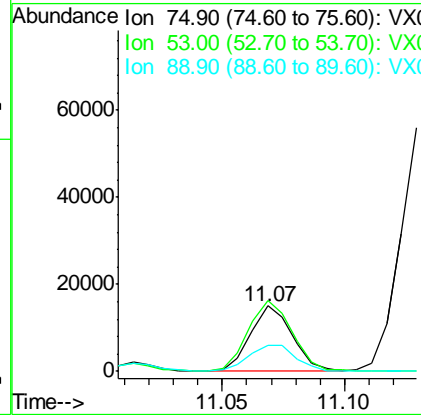
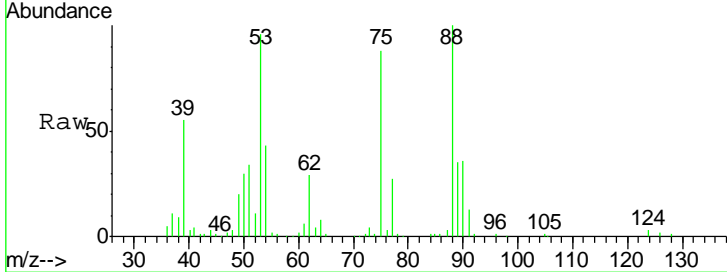


#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.757 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

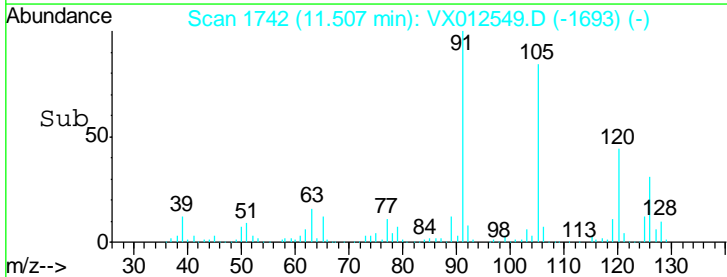
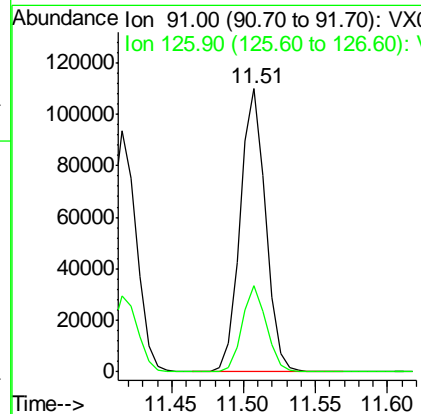
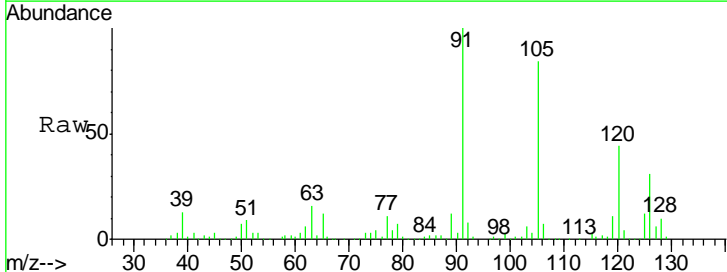
Tgt Ion	Resp	Lower	Upper
75	18027		
75	100		
53	114.9	83.6	125.4
89	45.7	36.3	54.5

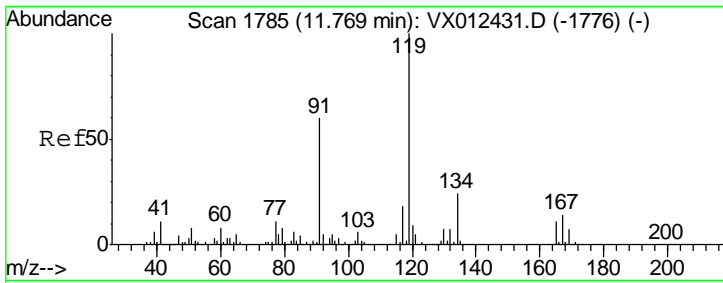
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#82
 4-Chlorotoluene
 Concen: 20.018 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Resp	Lower	Upper
91 <td>134886</td> <td></td> <td></td>	134886		
91 <td>100</td> <td></td> <td></td>	100		
126	29.3	14.4	43.0





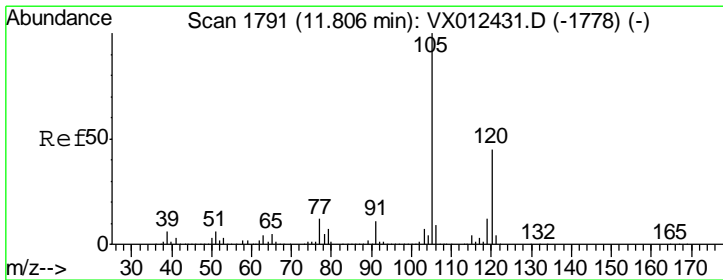
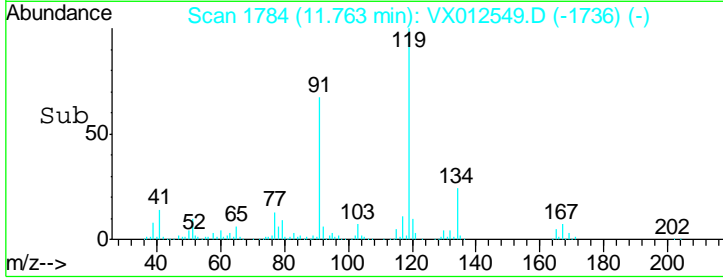
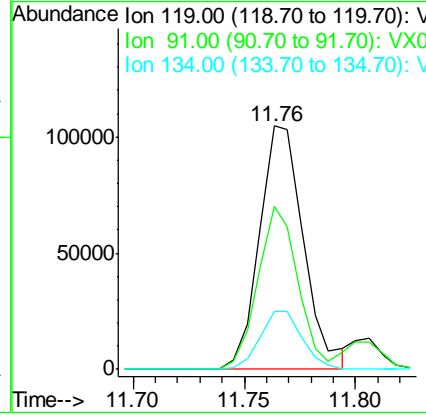
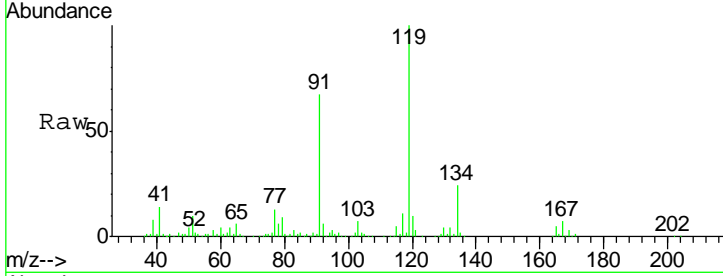
#83
 tert-Butylbenzene
 Concen: 19.548 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 Client Sampled : VX0920MBS01

Tgt Ion	Resp	Lower	Upper
119	144654		
91	60.6	30.0	90.0
134	22.9	11.3	33.9

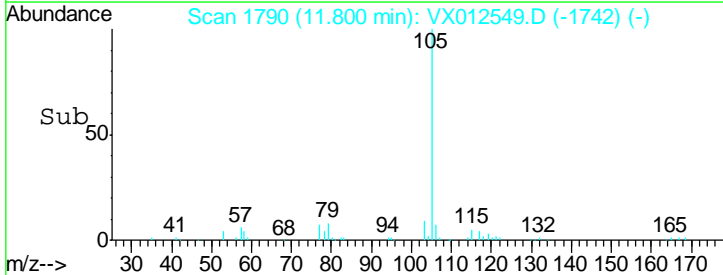
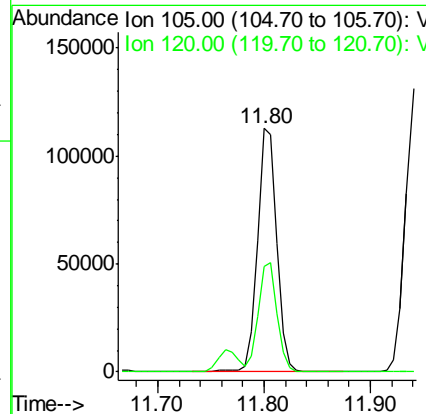
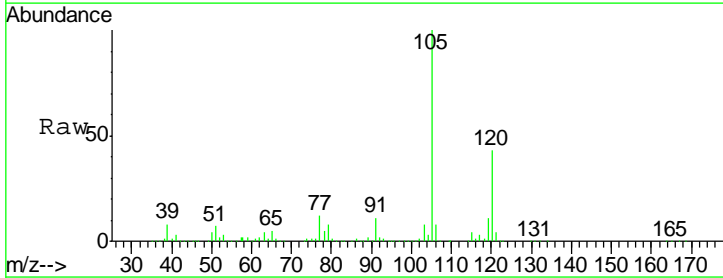
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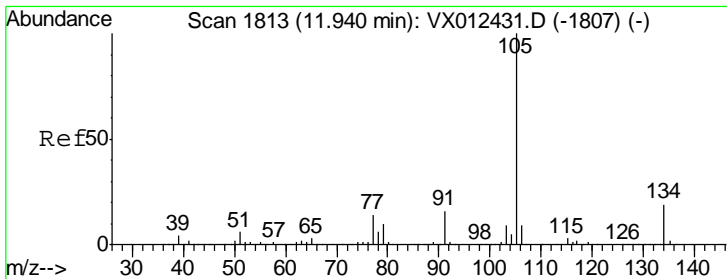
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.205 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

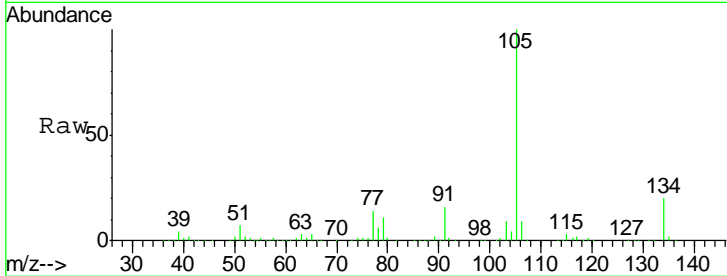
Tgt Ion	Resp	Lower	Upper
105	143263		
120	43.8	22.2	66.6





#85
 sec-Butylbenzene
 Concen: 19.977 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

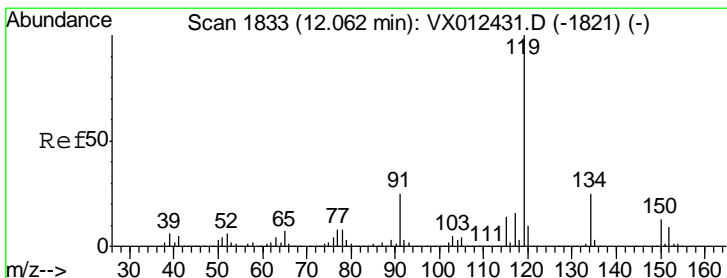
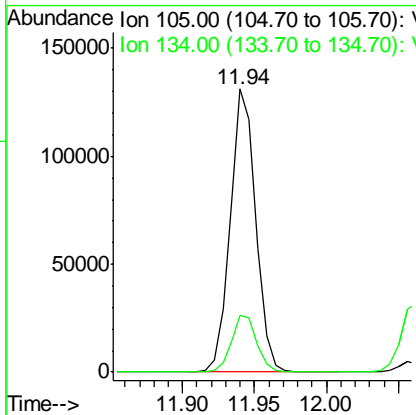
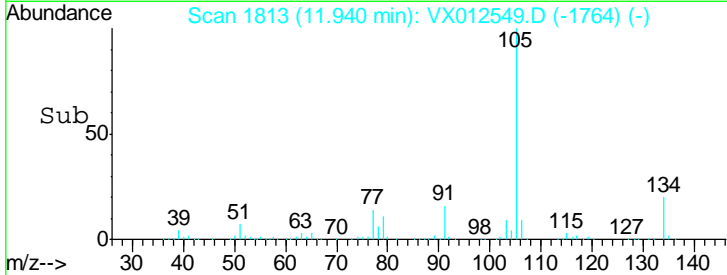
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01



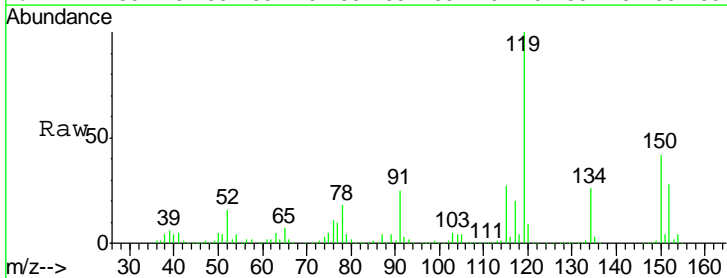
Tgt Ion: 105 Resp: 162894

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.4

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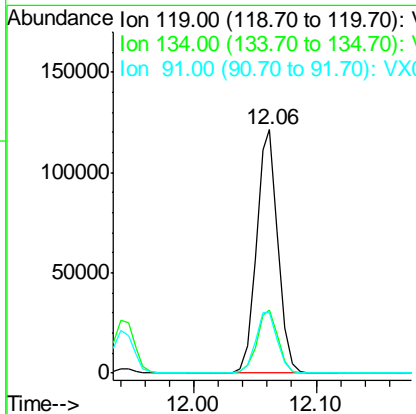
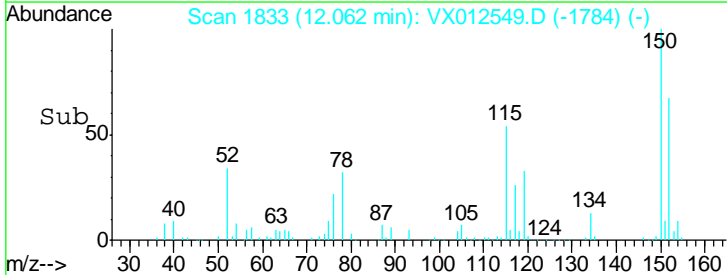


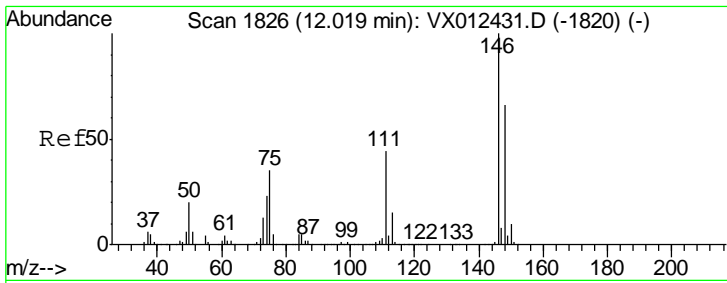
#86
 p-Isopropyltoluene
 Concen: 19.815 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 119 Resp: 148364

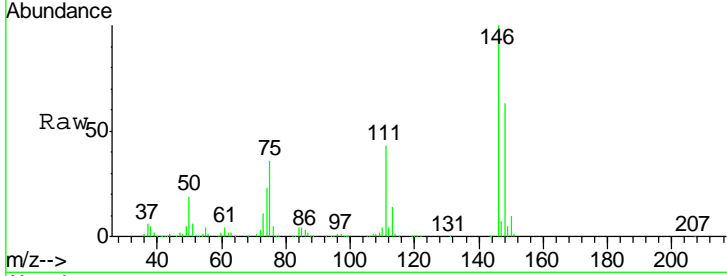
Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.7	38.1
91	25.9	12.8	38.4





#87
 1,3-Dichlorobenzene
 Concen: 20.232 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

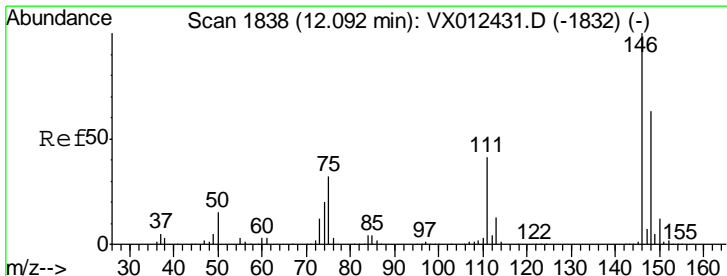
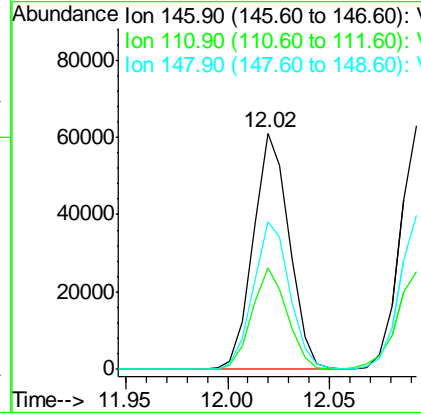
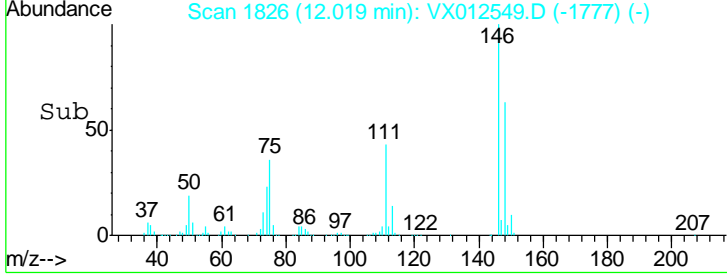
Instrument : MSVOA_X
 Client Sampled : VX0920MBS01



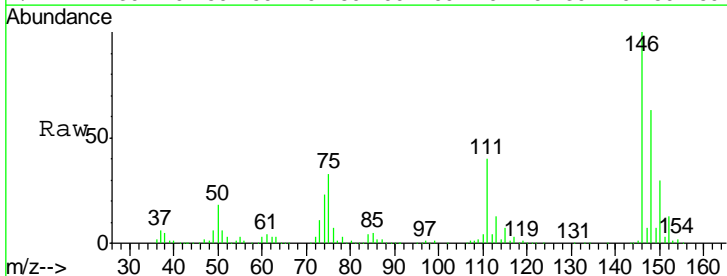
Tgt Ion: 146 Resp: 75158

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	62.9	32.4	97.2

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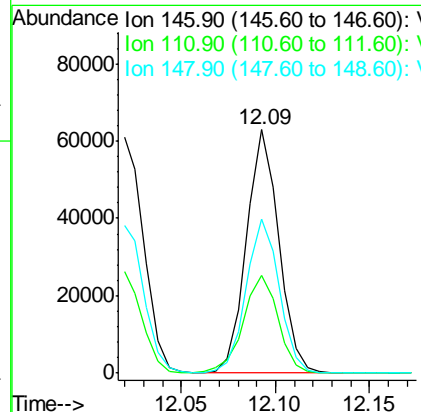
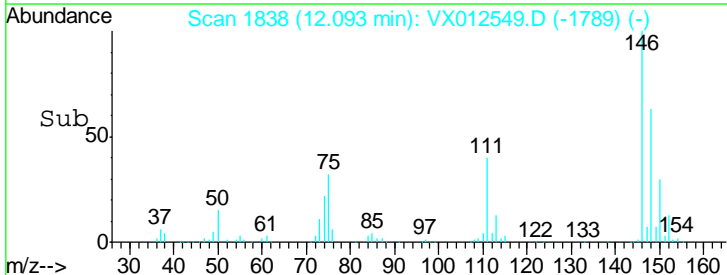


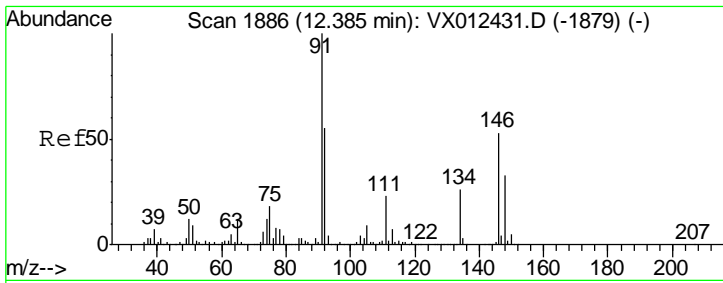
#88
 1,4-Dichlorobenzene
 Concen: 19.578 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 146 Resp: 74707

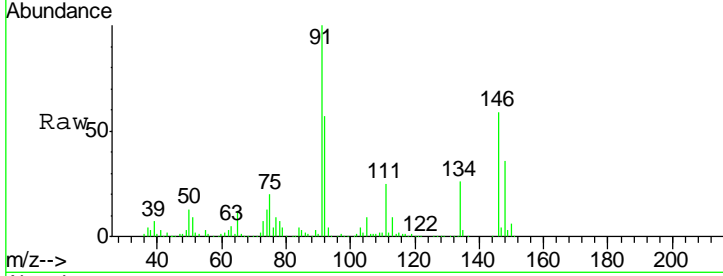
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.3
148	65.3	32.1	96.5





#89
 n-Butylbenzene
 Concen: 18.402 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

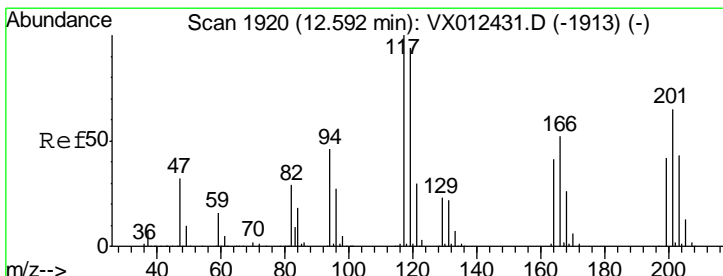
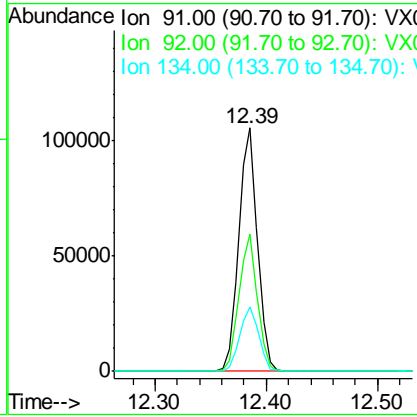
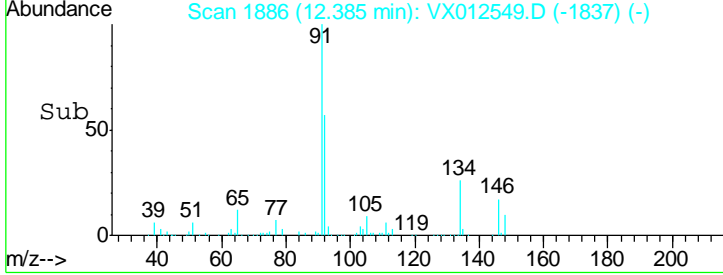
Instrument : MSVOA_X
 Client Sampled : VX0920MBS01



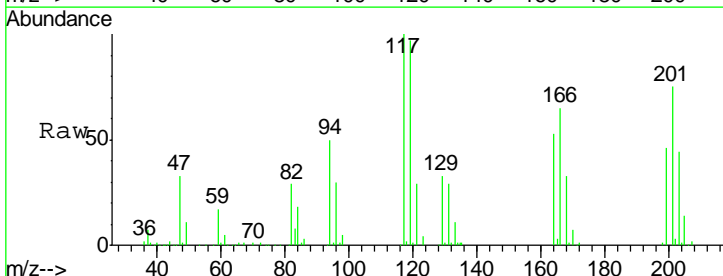
Tgt Ion: 91 Resp: 122937

Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.7	83.0
134	26.9	12.9	38.6

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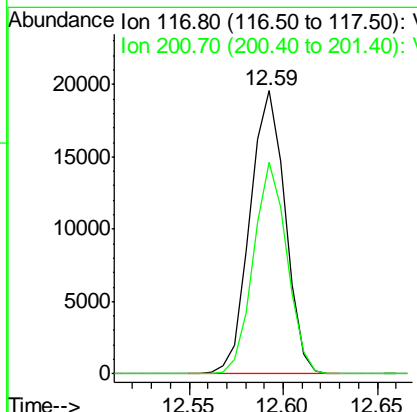
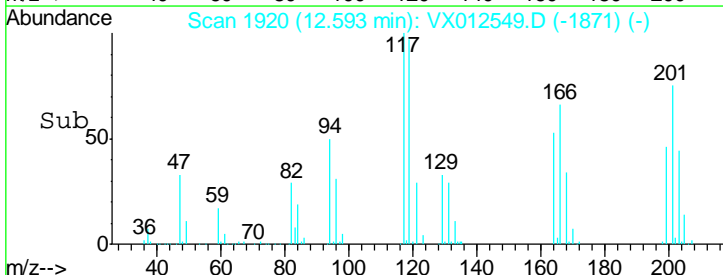


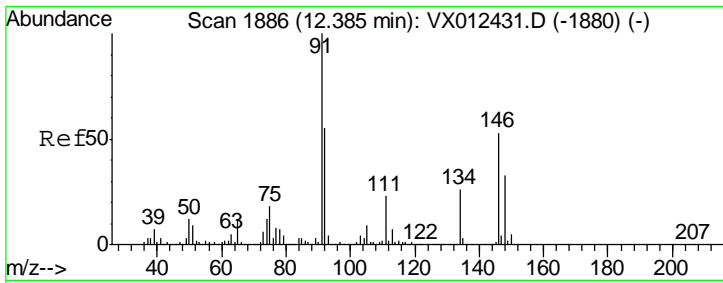
#90
 Hexachloroethane
 Concen: 18.443 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 117 Resp: 25321

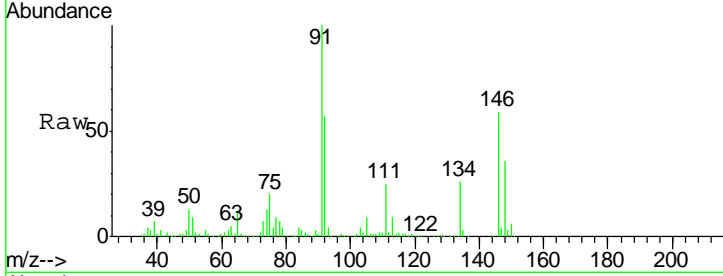
Ion	Ratio	Lower	Upper
117	100		
201	71.4	33.3	99.8





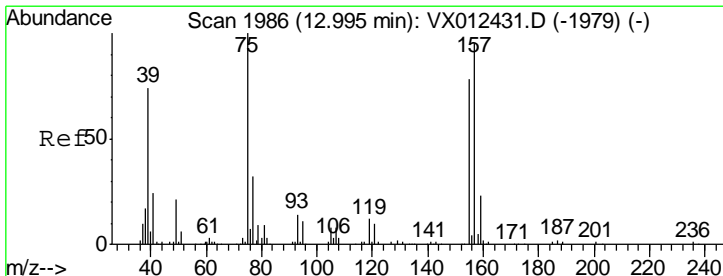
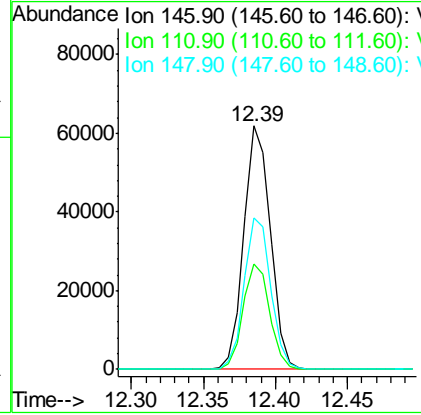
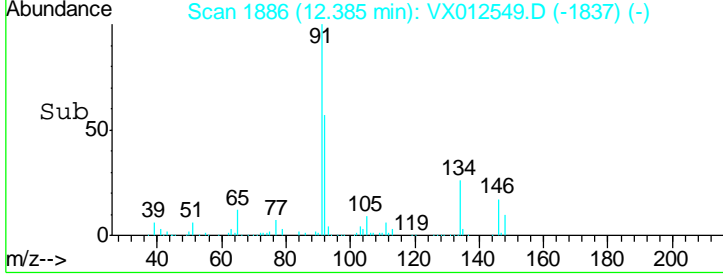
#91
 1,2-Dichlorobenzene
 Concen: 20.440 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument : MSVOA_X
 ClientSampled : VX0920MBS01

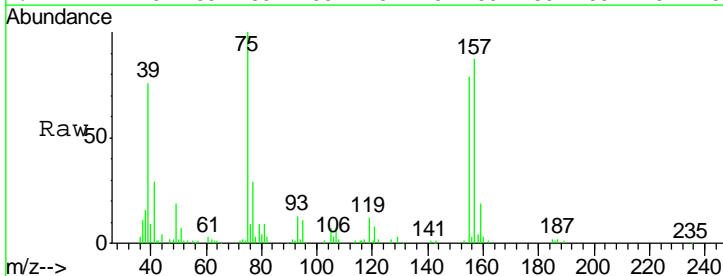


Tgt Ion	Resp	Lower	Upper
146	79360		
146	100		
111	43.4	22.1	66.1
148	62.6	31.3	93.9

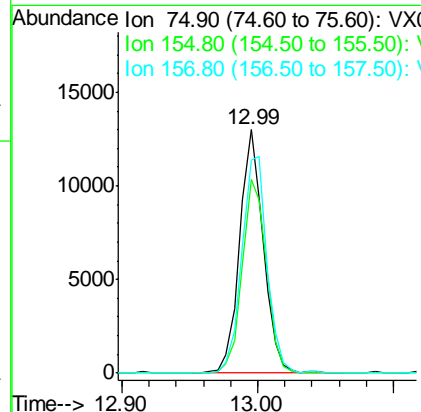
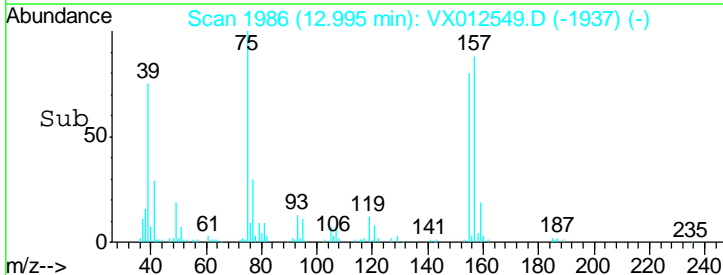
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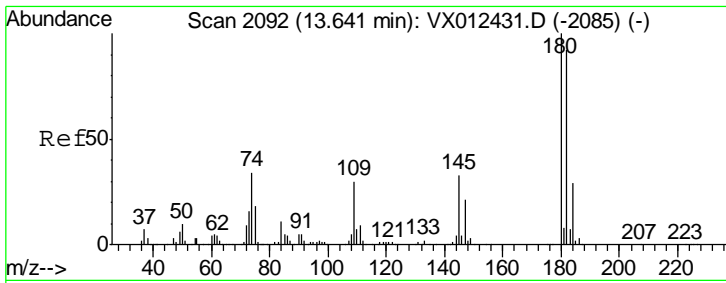


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.126 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



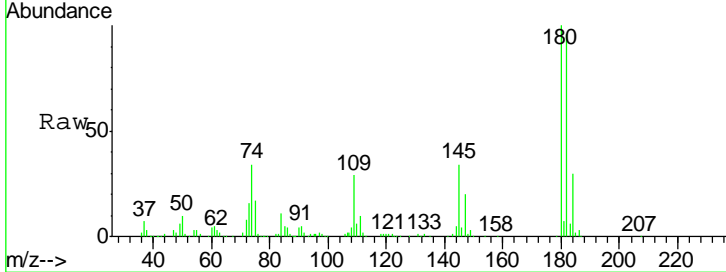
Tgt Ion	Resp	Lower	Upper
75	15750		
75	100		
155	81.0	38.6	115.8
157	94.4	50.6	151.9





#93
 1,2,4-Trichlorobenzene
 Concen: 19.606 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

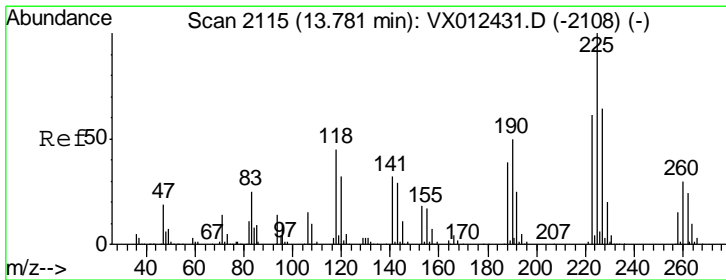
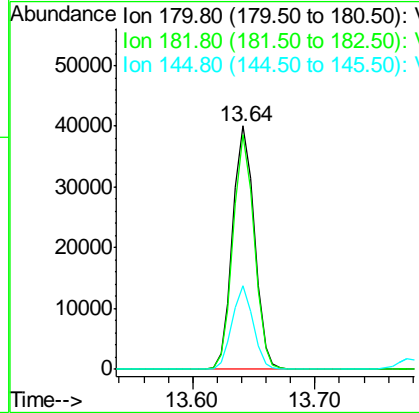
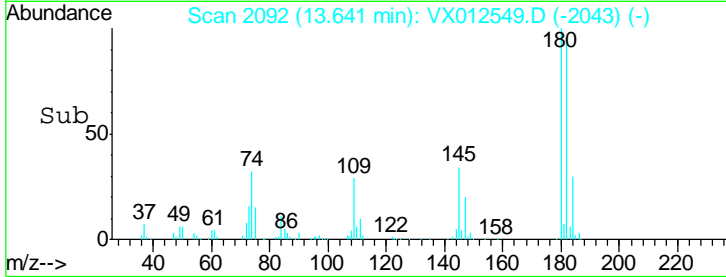
Instrument : MSVOA_X
 ClientSampled : VX0920MBS01



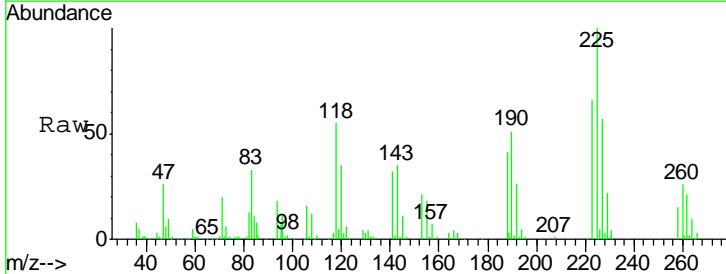
Tgt Ion:180 Resp: 49033

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.0	141.0
145	33.0	16.8	50.4

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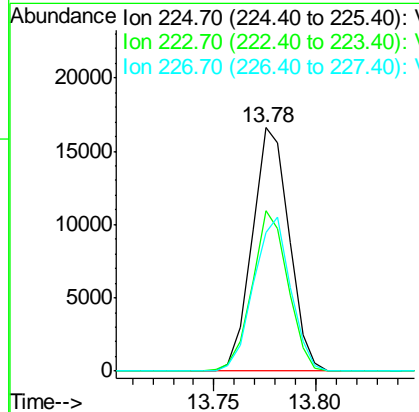
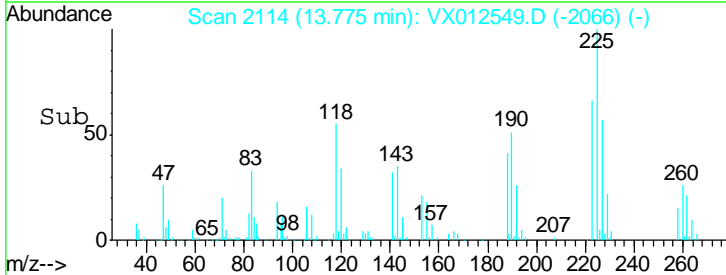


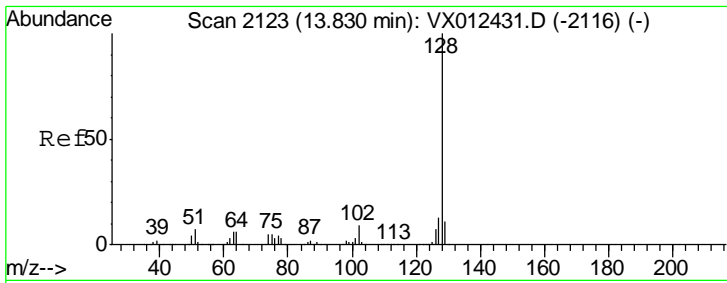
#94
 Hexachlorobutadiene
 Concen: 17.731 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion:225 Resp: 20899

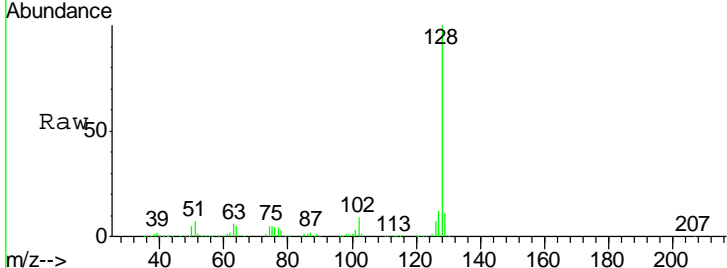
Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.0	96.2
227	63.4	31.9	95.5





#95
 Naphthalene
 Concen: 19.933 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

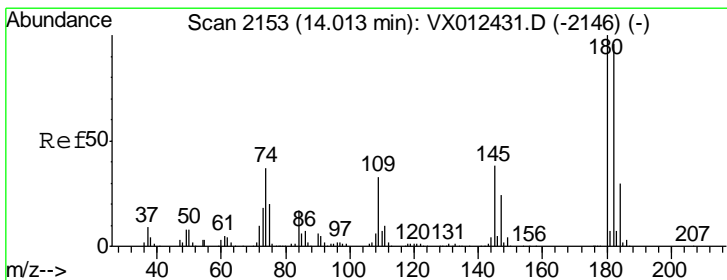
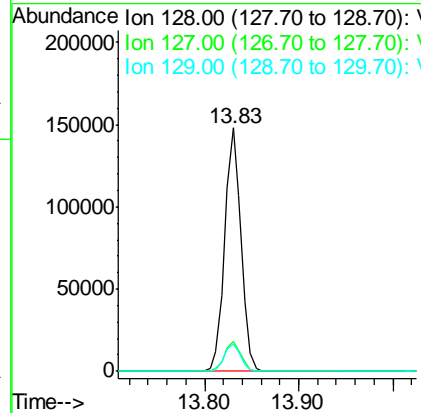
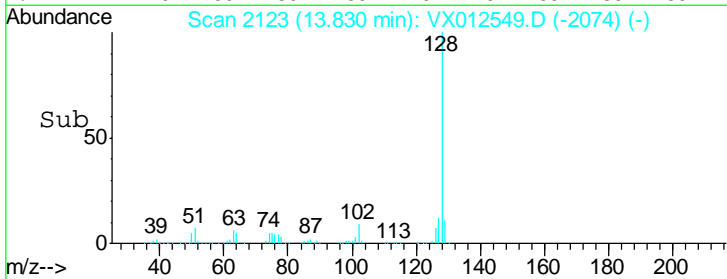
Instrument : MSVOA_X
 Client Sampled : VX0920MBS01



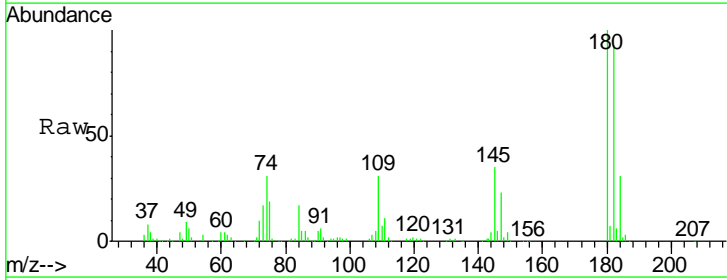
Tgt Ion: 128 Resp: 177376

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	11.2	8.8	13.2

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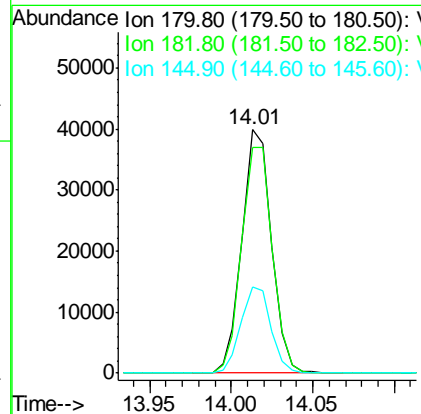
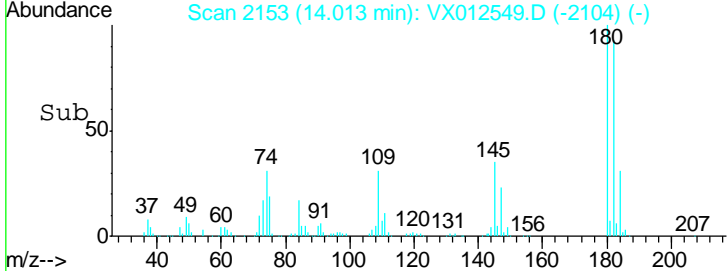


#96
 1,2,3-Trichlorobenzene
 Concen: 19.810 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05



Tgt Ion: 180 Resp: 50485

Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.1	141.3
145	36.0	18.0	54.0





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VW0920SBSD01	SDG No.:	K4888
Lab Sample ID:	VW0920SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013188.D	1		09/20/19 17:59	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	22.6		1.40	5.00	ug/Kg
591-78-6	2-Hexanone	140		7.40	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.4		1.30	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	23.1		1.30	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		0.70	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.79	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.85	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.5		1.70	10.0	ug/Kg
95-47-6	o-Xylene	20.3		1.10	5.00	ug/Kg
100-42-5	Styrene	20.2		0.99	5.00	ug/Kg
75-25-2	Bromoform	22.8		3.30	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.6		0.87	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	24.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.10	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.10	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.3		1.30	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	26.5		3.30	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.9		1.10	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.4		1.30	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		56 - 120	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	49.2		67 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		33 - 141	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.95			
540-36-3	1,4-Difluorobenzene	398000	8.84			
3114-55-4	Chlorobenzene-d5	350000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.56			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VW0920SBSD01	SDG No.:	K4888
Lab Sample ID:	VW0920SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013188.D	1		09/20/19 17:59	VW092019

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013188.D
 Acq On : 20 Sep 2019 17:59
 Operator : SY/VA
 Sample : VW0920SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBSD01

Manual Integrations
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 9/24/2019 5:28:55 AM

Quant Time: Sep 21 05:12:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	287033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	349748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	179439	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	114792	49.00	ug/l	0.00
Spiked Amount				50.000		
Recovery						98.00%
35) Dibromofluoromethane	7.88	113	106917	48.81	ug/l	0.00
Spiked Amount				50.000		
Recovery						97.62%
50) Toluene-d8	10.32	98	450699	49.17	ug/l	0.00
Spiked Amount				50.000		
Recovery						98.34%
62) 4-Bromofluorobenzene	12.62	95	154263	49.27	ug/l	0.00
Spiked Amount				50.000		
Recovery						98.54%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	36348	21.953	ug/l	98
3) Chloromethane	2.21	50	43441	20.410	ug/l	100
4) Vinyl Chloride	2.36	62	57217	20.852	ug/l	99
5) Bromomethane	2.76	94	34547	19.868	ug/l	85
6) Chloroethane	2.91	64	32307	19.975	ug/l	97
7) Trichlorofluoromethane	3.25	101	29290	18.512	ug/l	96
8) Diethyl Ether	3.68	74	28299	20.940	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53145	20.631	ug/l	99
10) Methyl Iodide	4.27	142	76296	19.104	ug/l	100
11) Tert butyl alcohol	5.18	59	30257	176.448	ug/l	96
12) 1,1-Dichloroethene	4.04	96	54110	20.285	ug/l	97
13) Acrolein	3.90	56	16988	125.974	ug/l	95
14) Allyl chloride	4.66	41	83140	19.584	ug/l	99
15) Acrylonitrile	5.37	53	75787	129.925	ug/l	97
16) Acetone	4.13	43	67947	128.618	ug/l	97
17) Carbon Disulfide	4.38	76	152715	19.808	ug/l	99
18) Methyl Acetate	4.67	43	40124	27.020	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	88345	21.610	ug/l	96
20) Methylene Chloride	4.91	84	59650	20.356	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	57074	19.797	ug/l	99
22) Diisopropyl ether	6.31	45	163262	20.224	ug/l	95
23) Vinyl Acetate	6.25	43	540369	112.832	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95707	19.647	ug/l	99
25) 2-Butanone	7.17	43	109445	138.007	ug/l	97
26) 2,2-Dichloropropane	7.16	77	64134	20.005	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59206	19.459	ug/l	95
28) Bromochloromethane	7.51	49	33281	17.801	ug/l	98
29) Tetrahydrofuran	7.53	42	66761	137.270	ug/l	99
30) Chloroform	7.67	83	92255	19.344	ug/l	100
31) Cyclohexane	7.95	56	105071	20.692	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	77056	19.949	ug/l	100
36) 1,1-Dichloropropene	8.08	75	82061	21.275	ug/l	99
37) Ethyl Acetate	7.26	43	43229	26.371	ug/l	97
38) Carbon Tetrachloride	8.06	117	72531	20.977	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013188.D
 Acq On : 20 Sep 2019 17:59
 Operator : SY/VA
 Sample : VW0920SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBSD01

Manual Integrations
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 9/24/2019 5:28:55 AM

Quant Time: Sep 21 05:12:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	106806	21.547	ug/l	96
40) Benzene	8.32	78	226090	21.015	ug/l	99
41) Methacrylonitrile	7.48	41	25323	25.883	ug/l	95
42) 1,2-Dichloroethane	8.40	62	62895	21.747	ug/l	99
43) Isopropyl Acetate	8.42	43	79786	25.395	ug/l	97
44) Trichloroethene	9.09	130	62357	20.658	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53383	20.324	ug/l	99
46) Dibromomethane	9.46	93	28371	22.248	ug/l	98
47) Bromodichloromethane	9.64	83	65751	20.263	ug/l	97
48) Methyl methacrylate	9.43	41	36114	24.445	ug/l	97
49) 1,4-Dioxane	9.46	88	12106	632.433	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	215340	136.718	ug/l	99
52) Toluene	10.38	92	144833	21.005	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71176	21.350	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	84978	20.965	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43010	22.565	ug/l	95
56) Ethyl methacrylate	10.65	69	60580	24.285	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75287	22.635	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	138281	119.743	ug/l	100
59) 2-Hexanone	10.97	43	153764	141.896	ug/l	99
60) Dibromochloromethane	11.13	129	46407	21.442	ug/l	100
61) 1,2-Dibromoethane	11.23	107	41933	23.139	ug/l	99
64) Tetrachloroethene	10.86	164	55366	20.864	ug/l	97
65) Chlorobenzene	11.65	112	149211	20.430	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.73	131	50989	20.436	ug/l	97
67) Ethyl Benzene	11.73	91	272643	20.603	ug/l	97
68) m/p-Xylenes	11.83	106	209338	41.514	ug/l	99
69) o-Xylene	12.16	106	95129	20.291	ug/l	100
70) Styrene	12.18	104	162862	20.234	ug/l	99
71) Bromoform	12.35	173	29993	22.754	ug/l #	96
73) Isopropylbenzene	12.46	105	273322	20.620	ug/l	99
74) N-amyl acetate	12.27	43	70525	23.977	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	53571	24.165	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	33941m	21.418	ug/l	
77) Bromobenzene	12.74	156	65196	20.756	ug/l	97
78) n-propylbenzene	12.80	91	321708	20.734	ug/l	99
79) 2-Chlorotoluene	12.89	91	178971	20.589	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	229259	20.575	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17098	24.211	ug/l	99
82) 4-Chlorotoluene	12.99	91	186697	20.367	ug/l	99
83) tert-Butylbenzene	13.21	119	201220	20.575	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	228435	20.602	ug/l	99
85) sec-Butylbenzene	13.38	105	282389	20.944	ug/l	100
86) p-Isopropyltoluene	13.49	119	258069	20.636	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	122895	20.329	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	122512	20.663	ug/l	98
89) n-Butylbenzene	13.82	91	237365	20.787	ug/l	100
90) Hexachloroethane	14.09	117	40330	19.197	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	111478	21.315	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8995	26.528	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013188.D
 Acq On : 20 Sep 2019 17:59
 Operator : SY/VA
 Sample : VW0920SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBSD01

Manual Integrations
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Quant Time: Sep 21 05:12:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	78174	20.859	ug/l	98
94) Hexachlorobutadiene	15.24	225	52148	20.339	ug/l	98
95) Naphthalene	15.36	128	148186	24.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	69225	21.377	ug/l	99

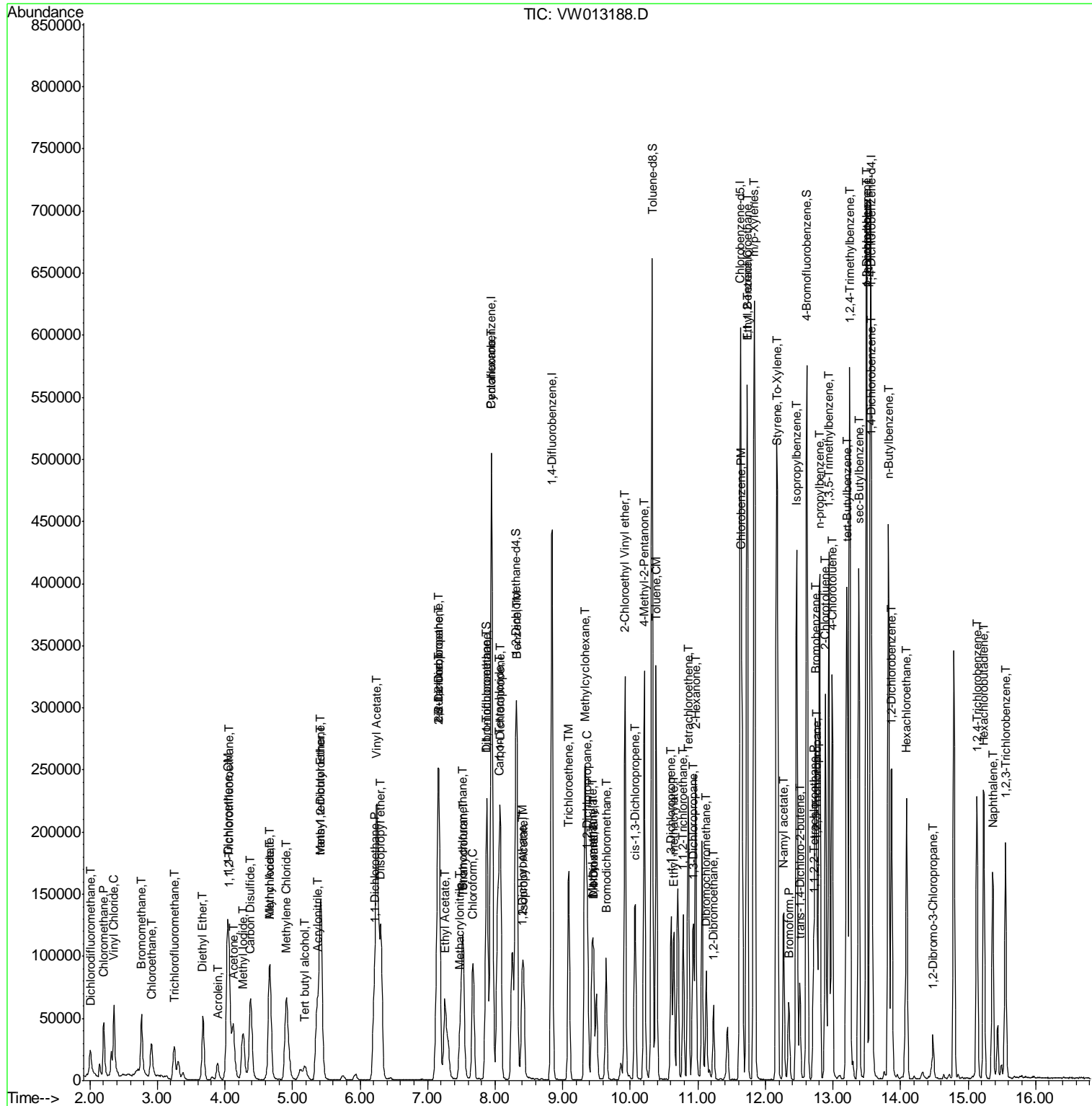
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013188.D
 Acq On : 20 Sep 2019 17:59
 Operator : SY/VA
 Sample : VW0920SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

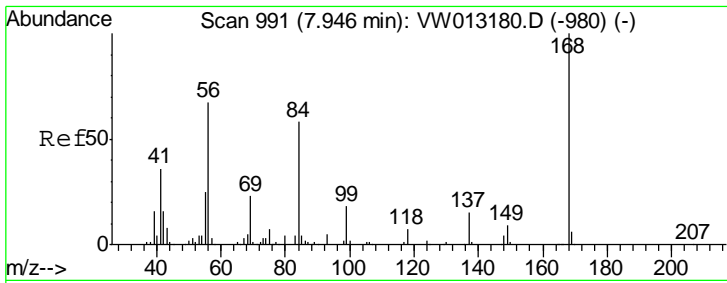
Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01

Quant Time: Sep 21 05:12:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Manual Integrations APPROVED
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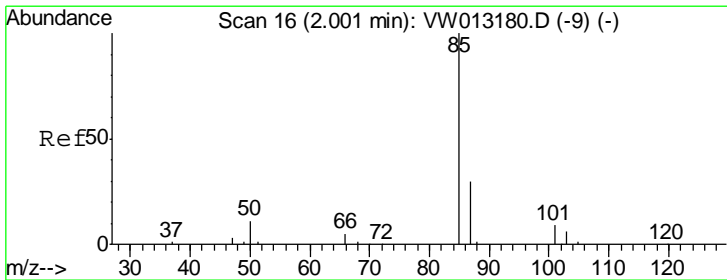
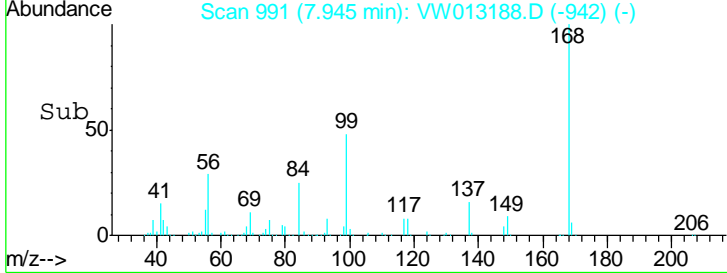
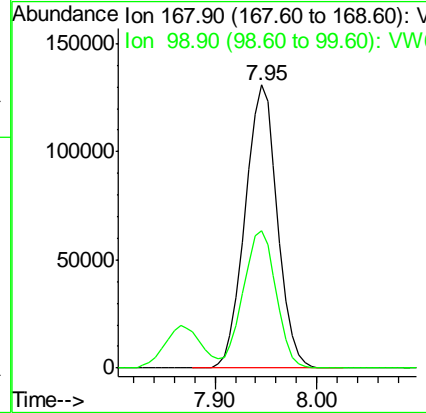
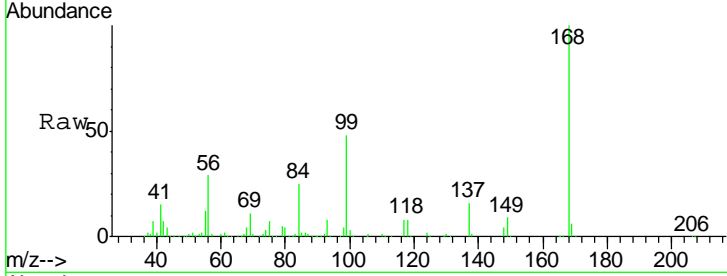


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
168	100		
99	48.4	40.2	60.4

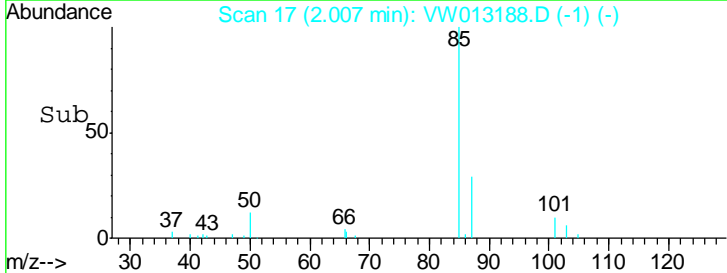
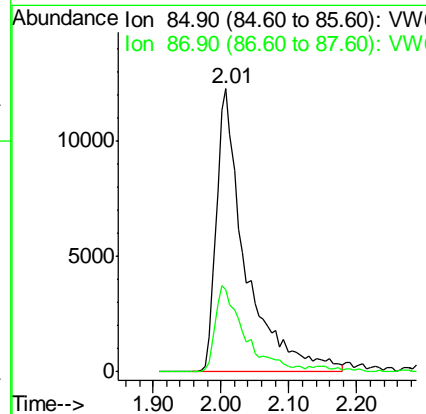
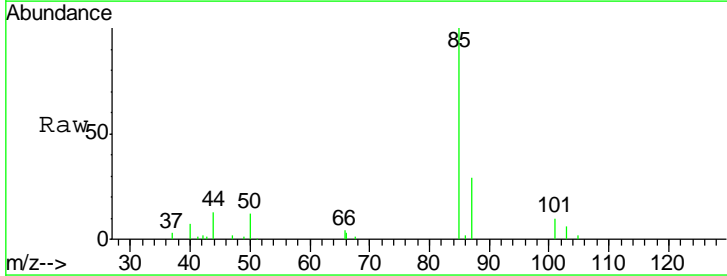
Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01

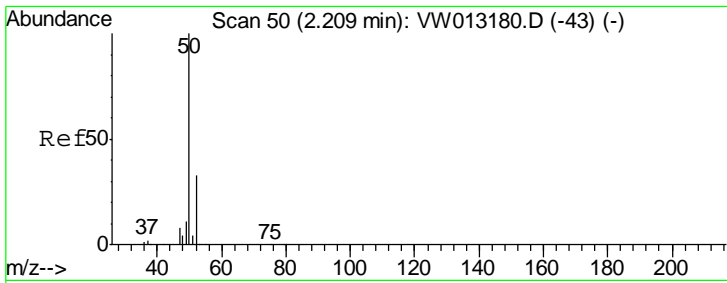
Manual Integrations
APPROVED
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 9/24/2019 5:28:55 AM



#2
 Dichlorodifluoromethane
 Concen: 21.953 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
85	100		
87	29.1	15.1	45.3



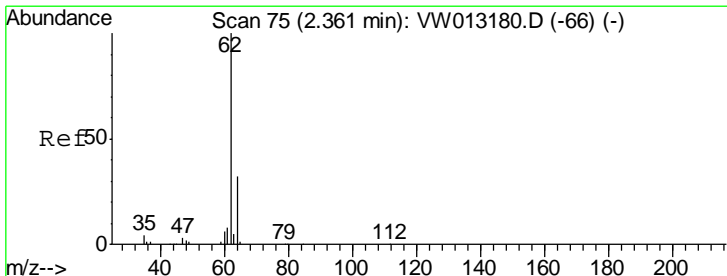
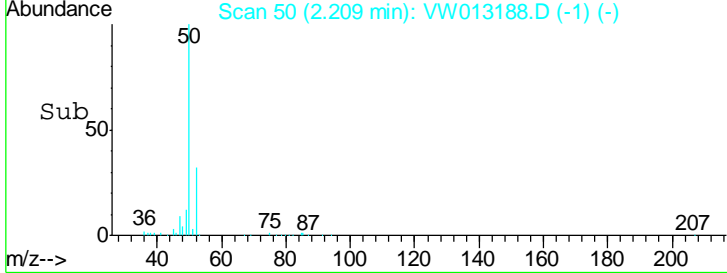
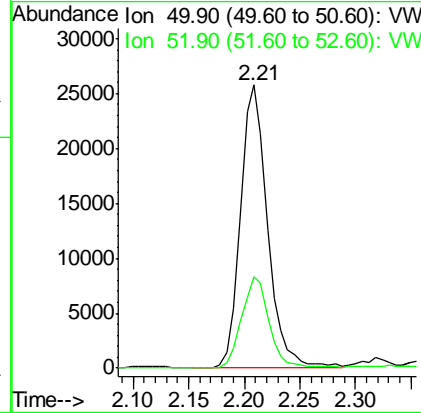
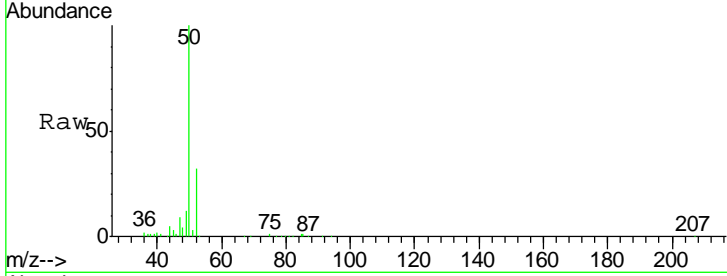


#3
 Chloromethane
 Concen: 20.410 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
50	43441		
52	32.5	26.1	39.1

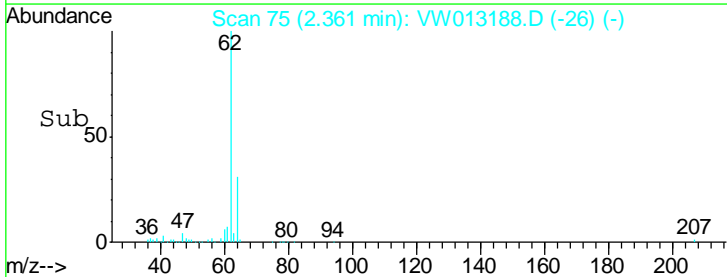
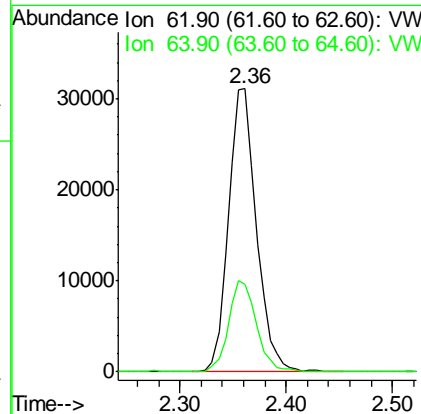
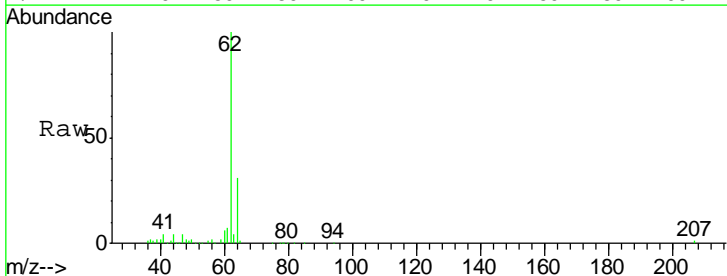
Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01

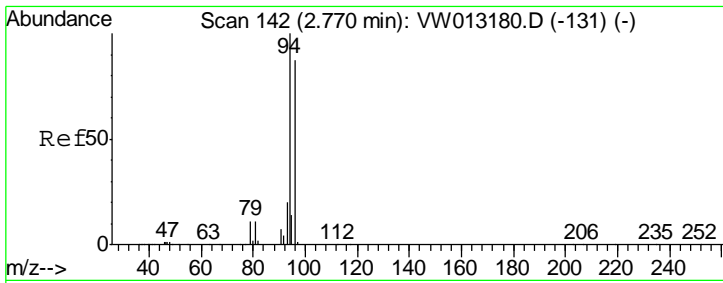
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:28:55 AM



#4
 Vinyl Chloride
 Concen: 20.852 ug/l
 RT: 2.36 min Scan# 75
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
62	57217		
64	31.1	25.3	37.9



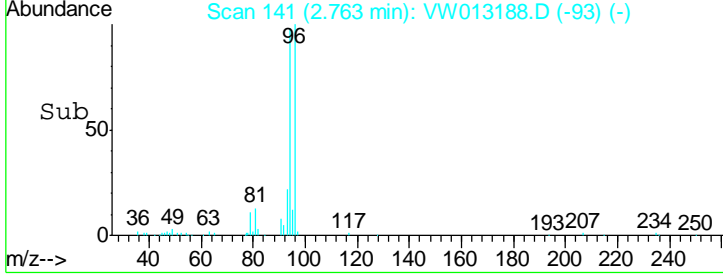
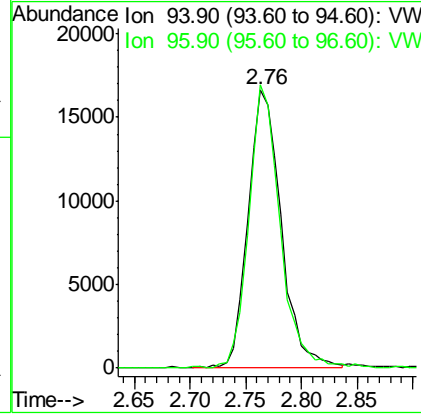
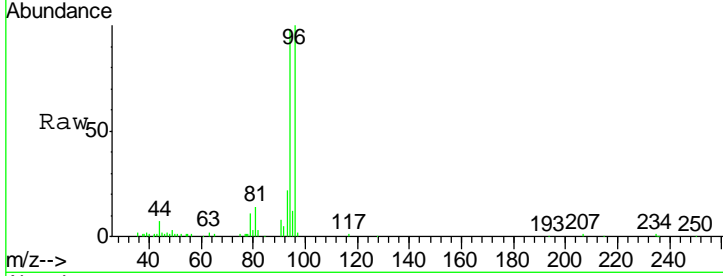


#5
 Bromomethane
 Concen: 19.868 ug/l
 RT: 2.76 min Scan# 141
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
94	100		
96	100.9	69.7	104.5

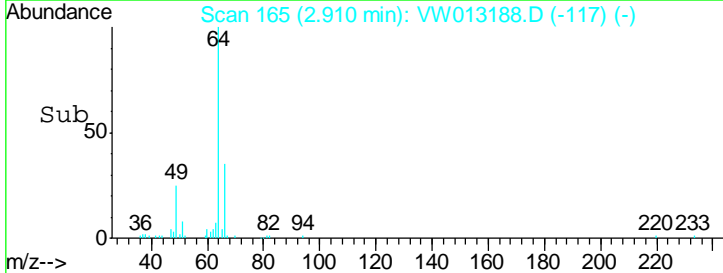
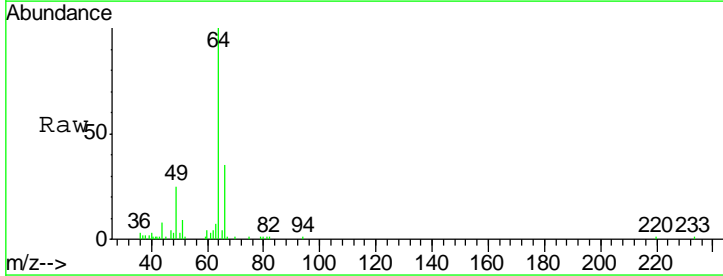
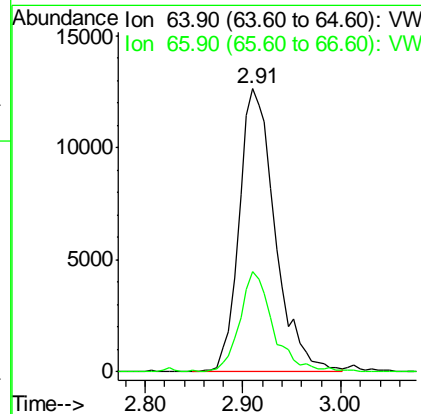
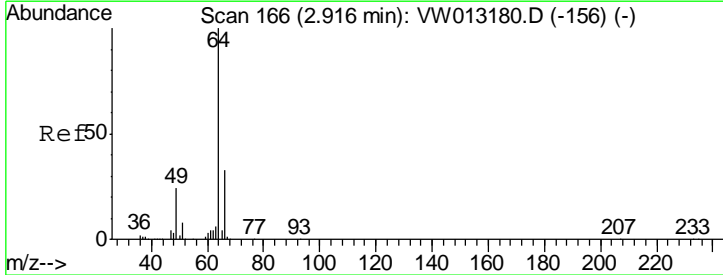
Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

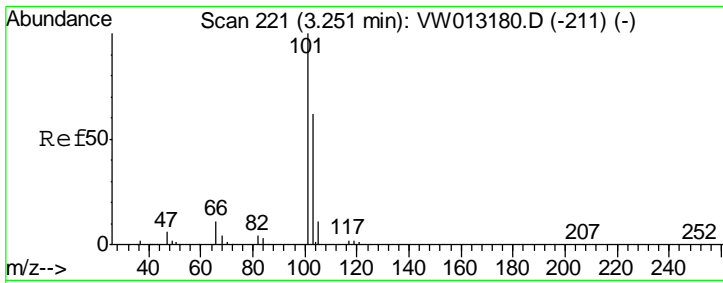
Manual Integrations
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 MMDadoda
 9/24/2019 5:28:55 AM



#6
 Chloroethane
 Concen: 19.975 ug/l
 RT: 2.91 min Scan# 165
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
64	100		
66	34.6	26.6	39.8



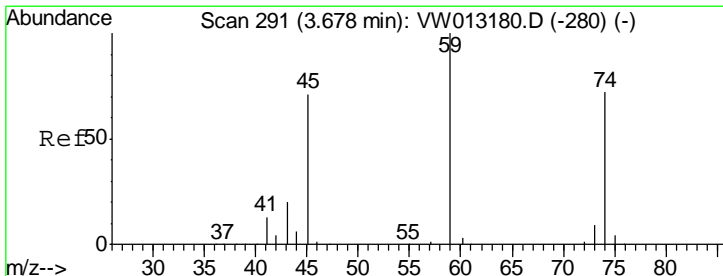
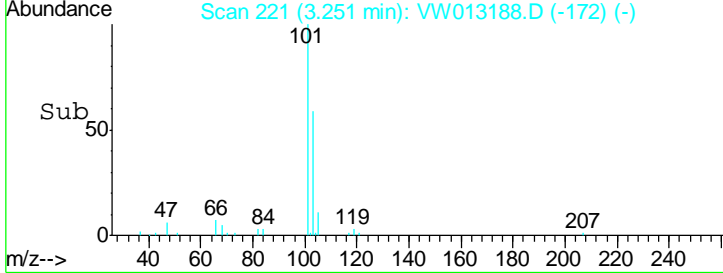
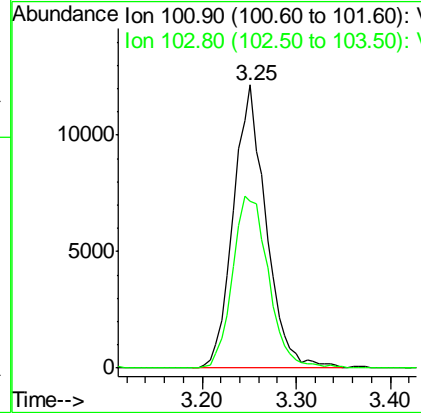
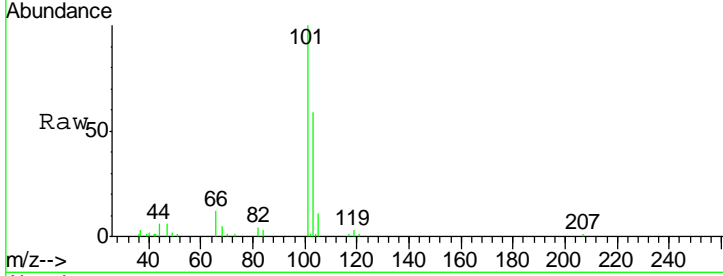


#7
 Trichlorofluoromethane
 Concen: 18.512 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
101	29290		
103	59.0	49.7	74.5

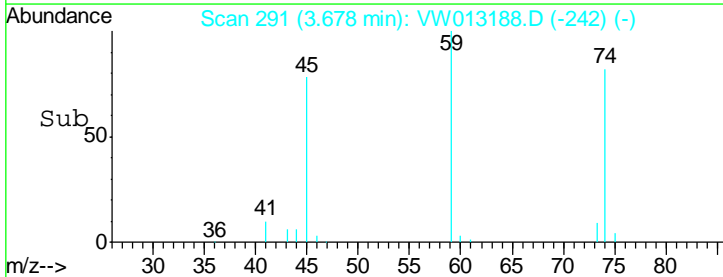
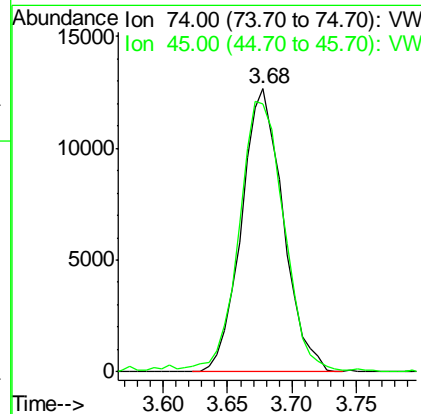
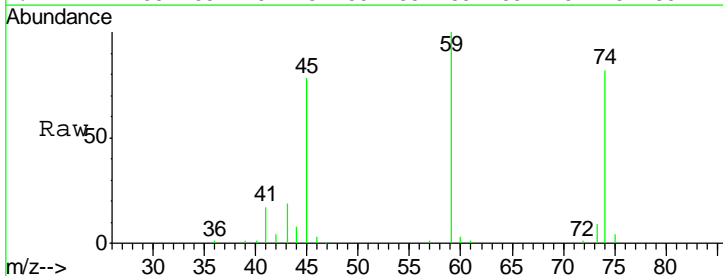
Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

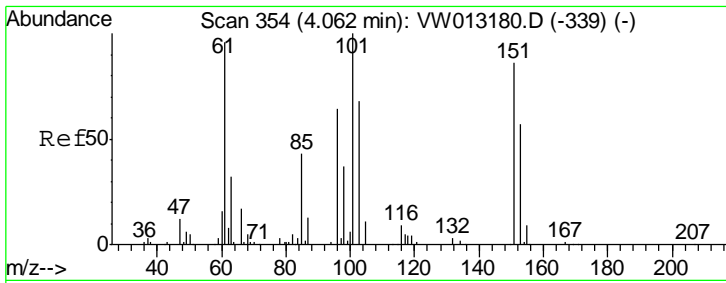
Manual Integrations
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 MMDadoda
 9/24/2019 5:28:55 AM



#8
 Diethyl Ether
 Concen: 20.940 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

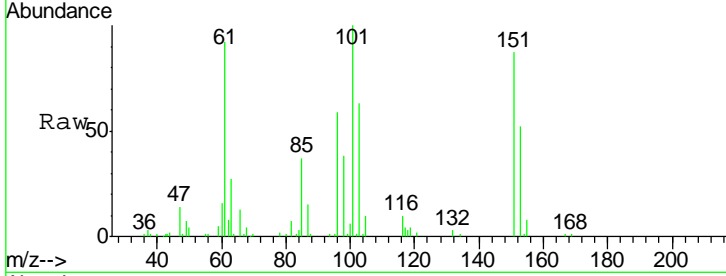
Tgt Ion	Resp	Lower	Upper
74	28299		
45	102.0	49.5	148.7





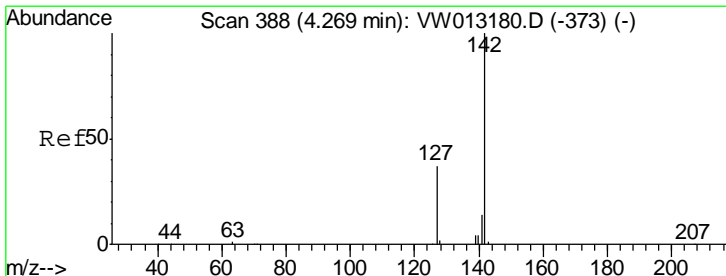
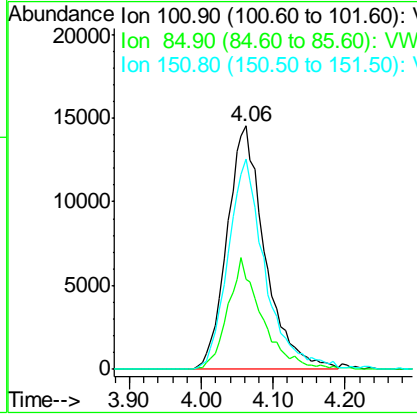
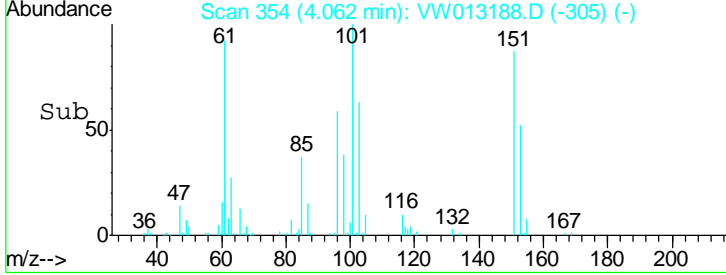
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.631 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBSD01

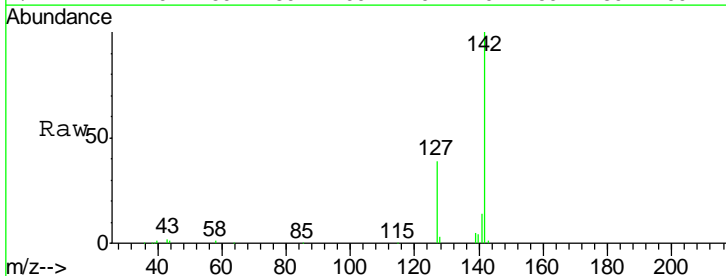


Tgt Ion	Resp	Lower	Upper
101	53145		
101	100		
85	40.7	33.4	50.0
151	84.6	66.9	100.3

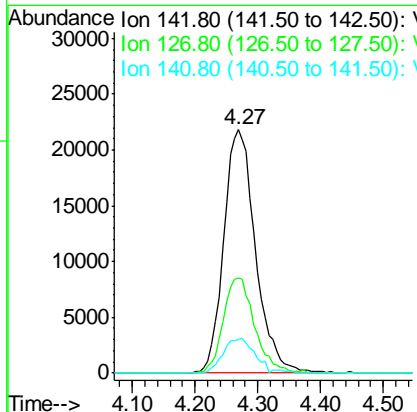
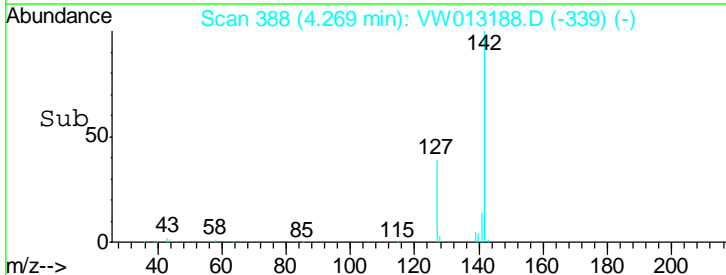
Manual Integrations
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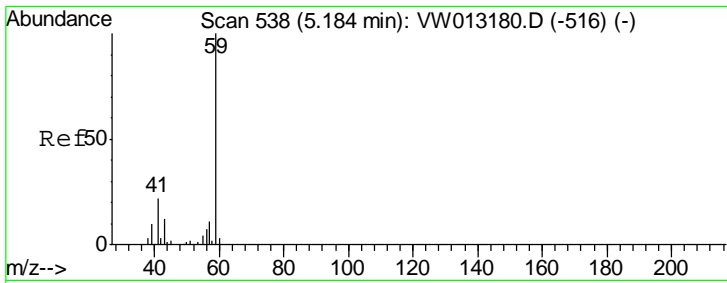


#10
 Methyl Iodide
 Concen: 19.104 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion	Resp	Lower	Upper
142	76296		
142	100		
127	38.6	30.9	46.3
141	14.2	11.7	17.5



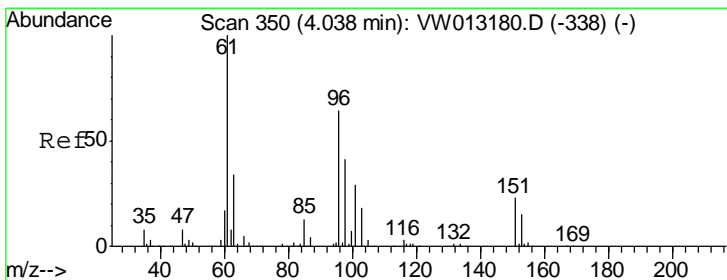
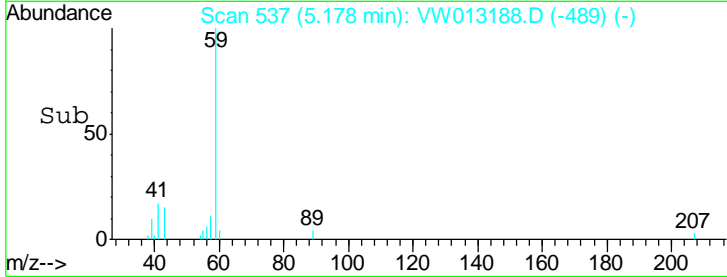
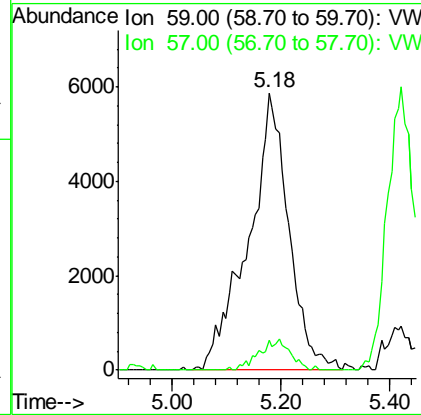
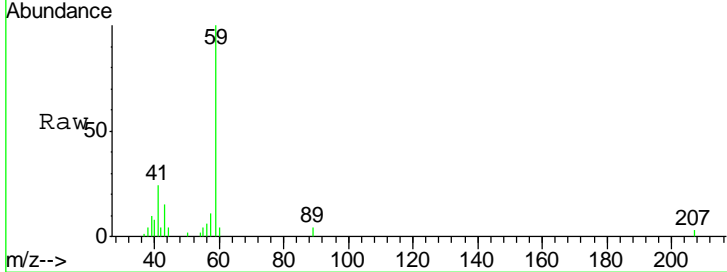


#11
 Tert butyl alcohol
 Concen: 176.448 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
59	100		
57	8.6	8.2	12.2

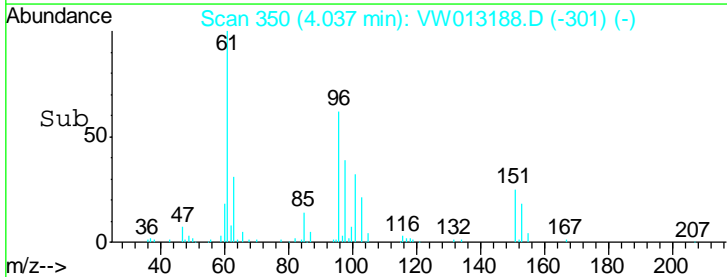
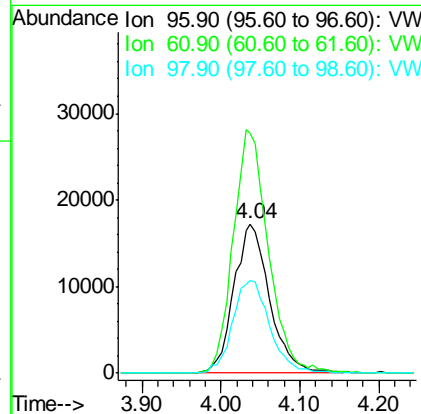
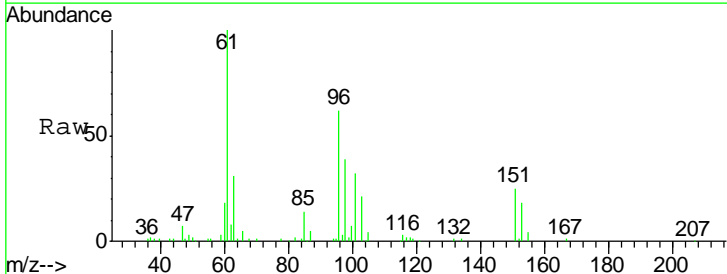
Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

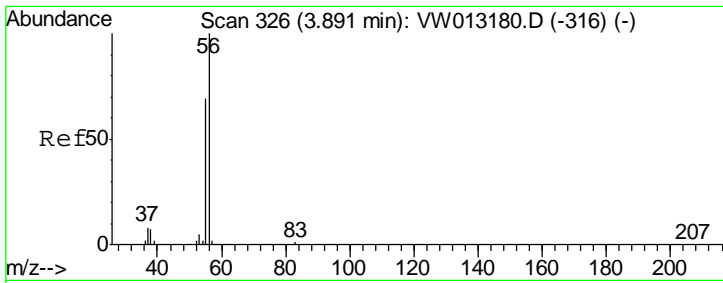
Manual Integrations
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#12
 1,1-Dichloroethene
 Concen: 20.285 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
96	100		
61	160.9	125.1	187.7
98	62.1	50.8	76.2



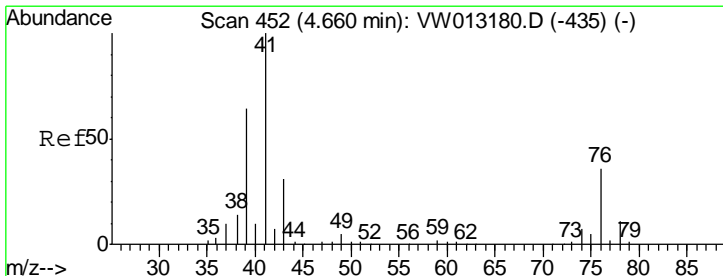
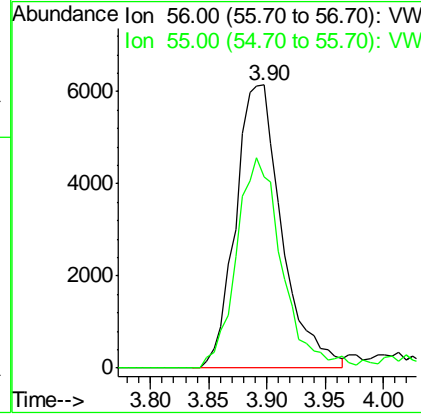
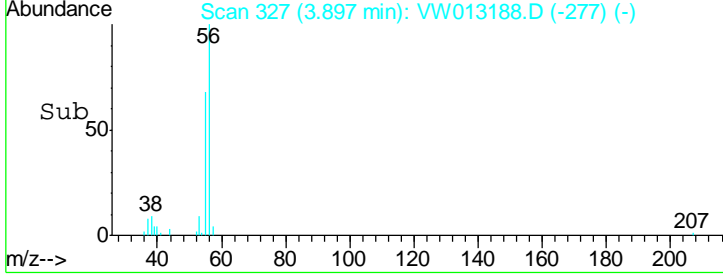
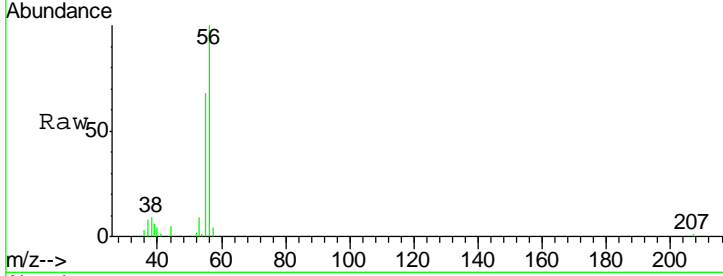


#13
 Acrolein
 Concen: 125.974 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
56	16988		
55	73.4	55.4	83.0

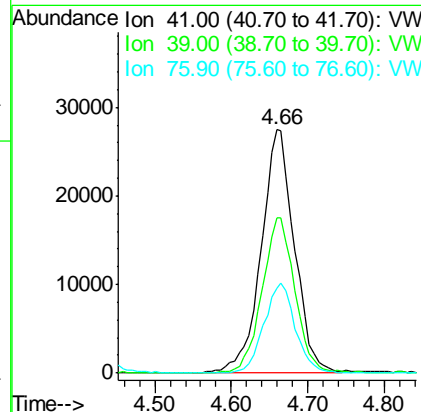
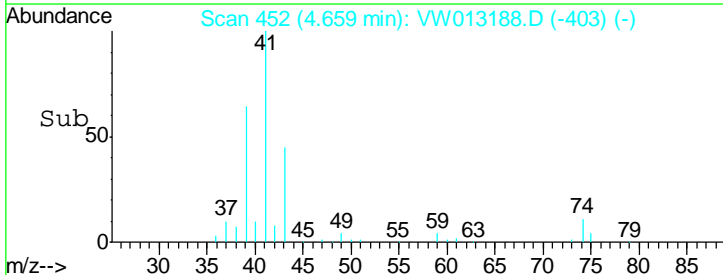
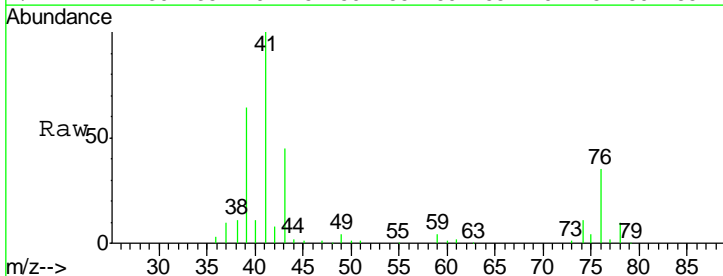
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

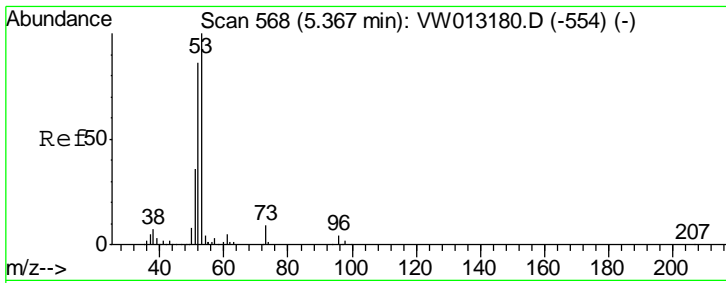
Manual Integrations
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#14
 Allyl chloride
 Concen: 19.584 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

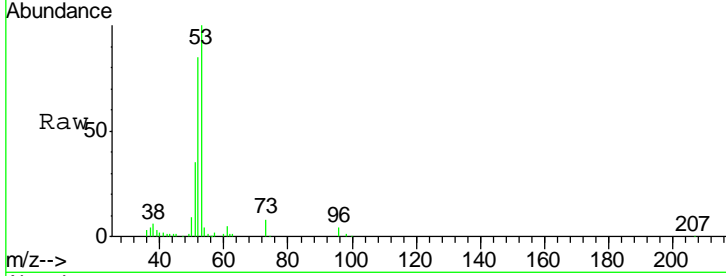
Tgt Ion	Resp	Lower	Upper
41	83140		
39	63.1	51.0	76.4
76	34.8	28.4	42.6





#15
 Acrylonitrile
 Concen: 129.925 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

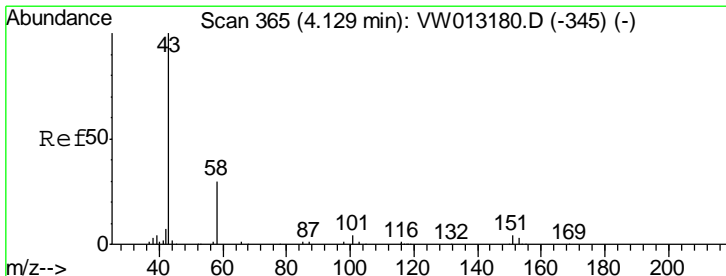
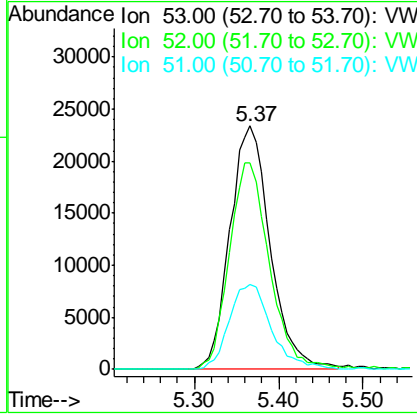
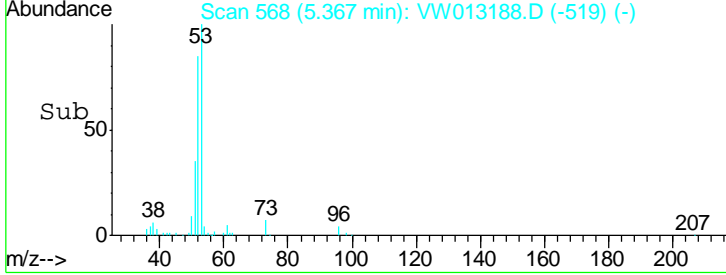
Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBSD01



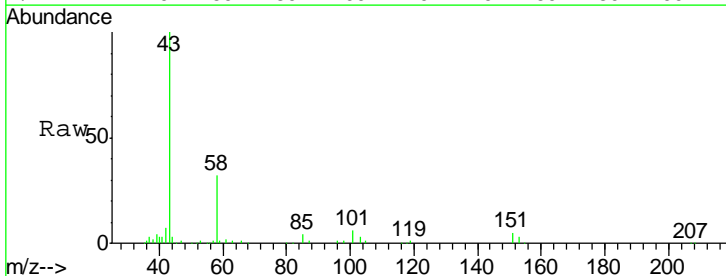
Tgt Ion: 53 Resp: 75787

Ion	Ratio	Lower	Upper
53	100		
52	84.9	65.3	97.9
51	36.7	29.0	43.4

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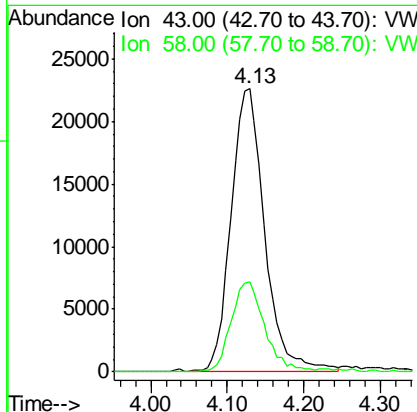
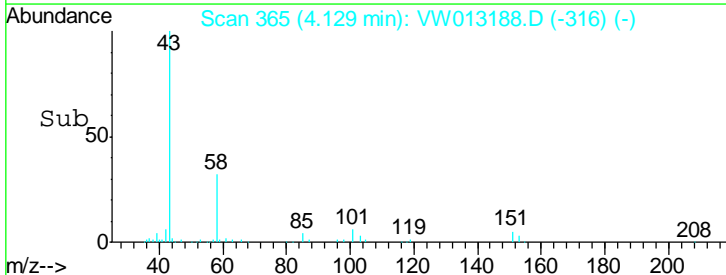


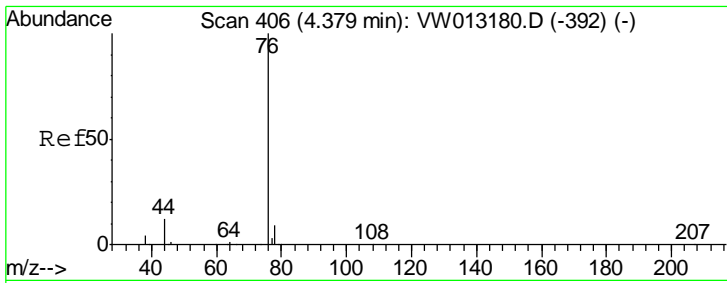
#16
 Acetone
 Concen: 128.618 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion: 43 Resp: 67947

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.1	36.1



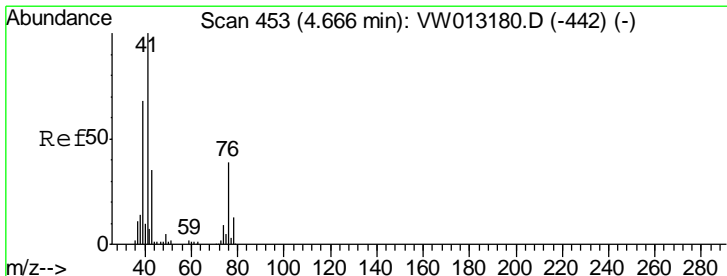
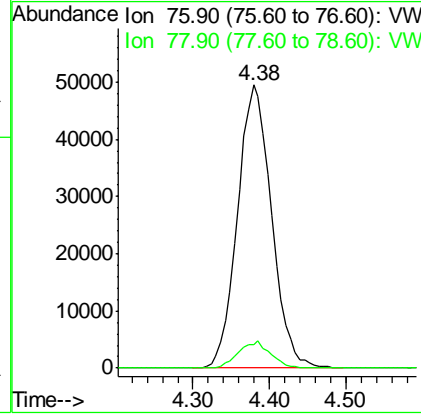
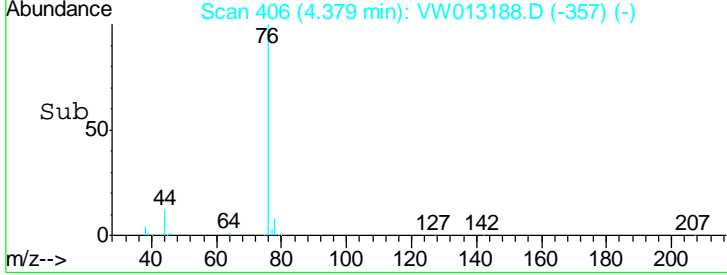
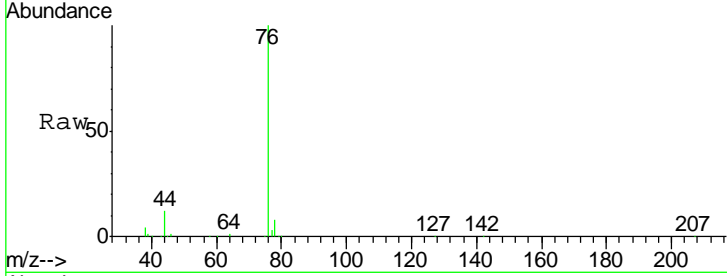


#17
 Carbon Disulfide
 Concen: 19.808 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
76	152715		
76	100		
78	8.5	7.0	10.4

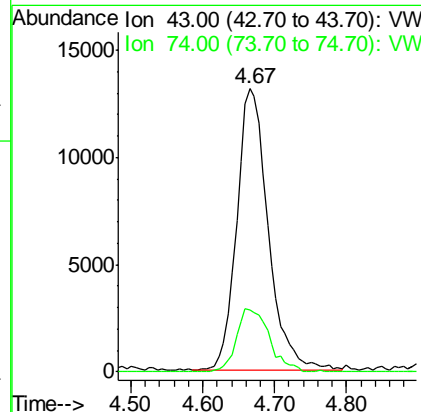
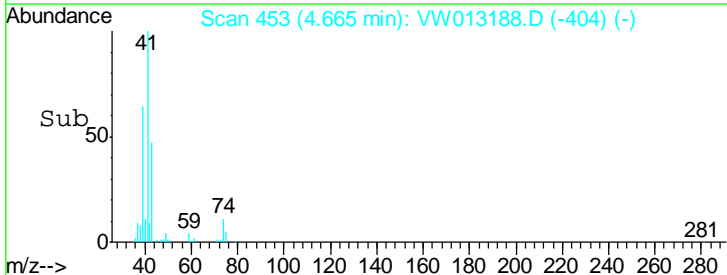
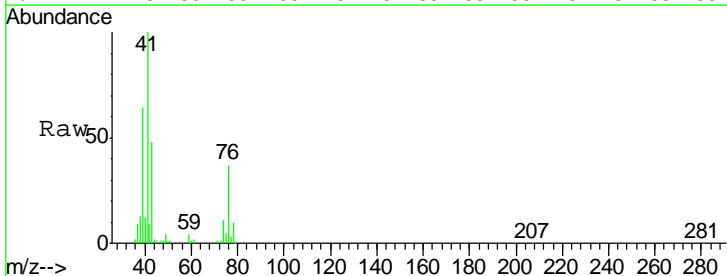
Instrument :
 MSVOA_W
ClientSampleId :
 VW0920SBSD01

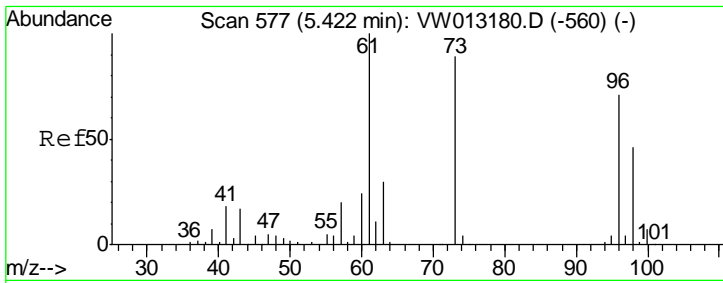
Manual Integrations
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#18
 Methyl Acetate
 Concen: 27.020 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
43	40124		
43	100		
74	23.2	19.3	28.9



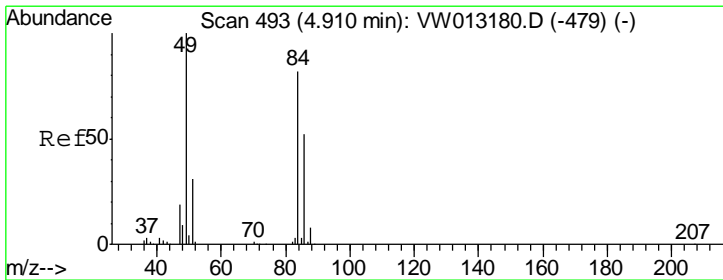
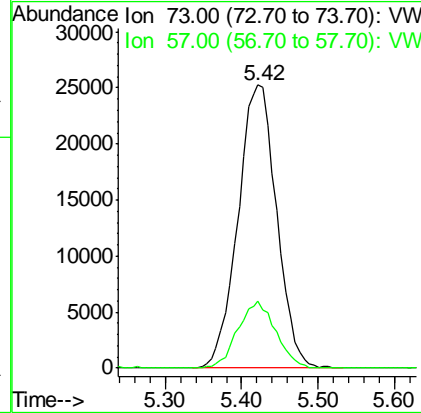
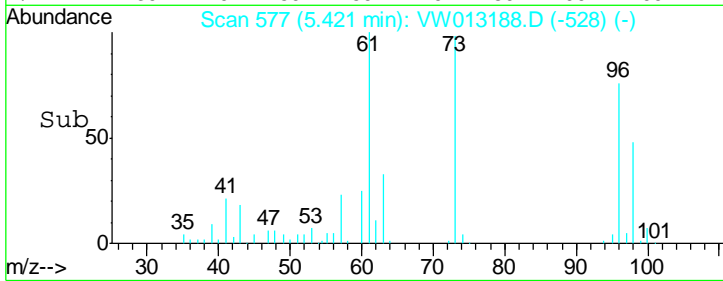
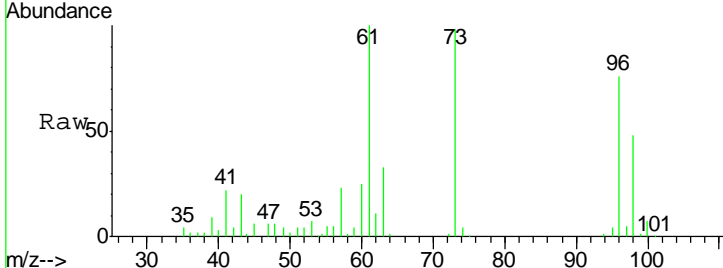


#19
 Methyl tert-butyl Ether
 Concen: 21.610 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
73	100		
57	23.8	17.6	26.4

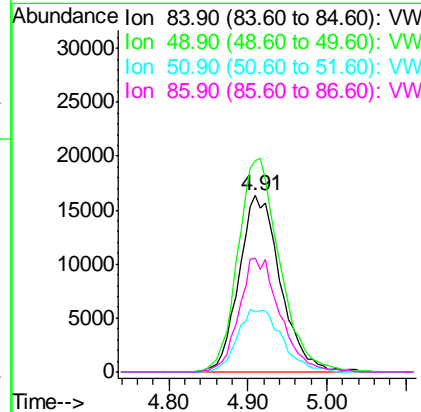
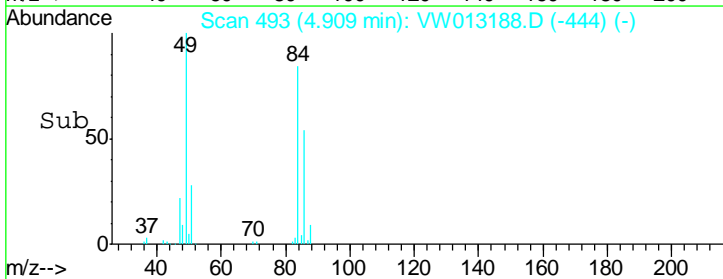
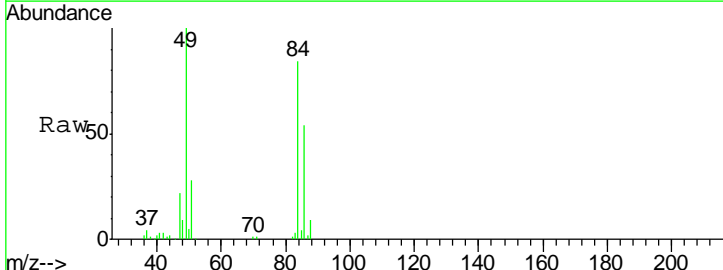
Instrument : MSVOA_W
 ClientSampleId : VW0920SBSD01

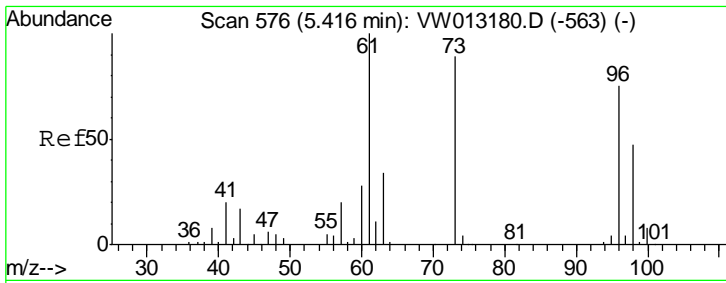
Manual Integrations
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 MMDadoda
 9/24/2019 5:28:55 AM



#20
 Methylene Chloride
 Concen: 20.356 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
84	100		
49	119.8	97.6	146.4
51	34.0	30.2	45.2
86	64.9	50.6	76.0





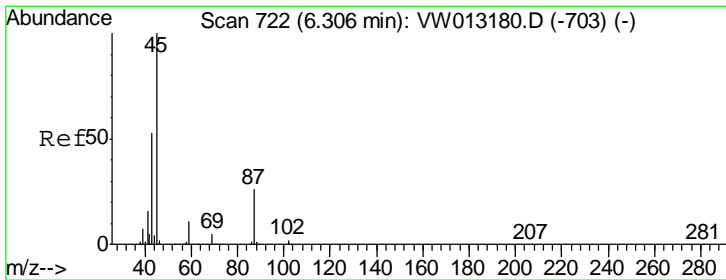
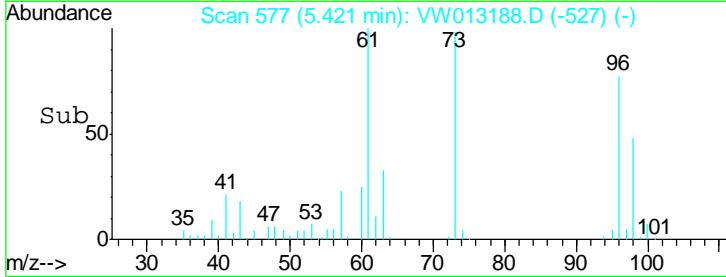
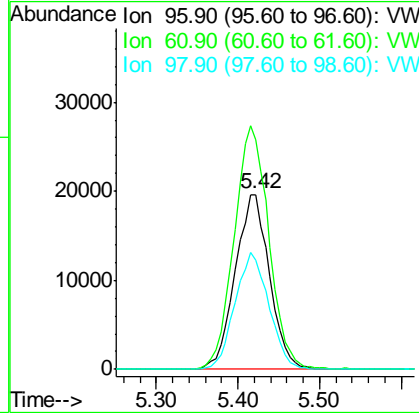
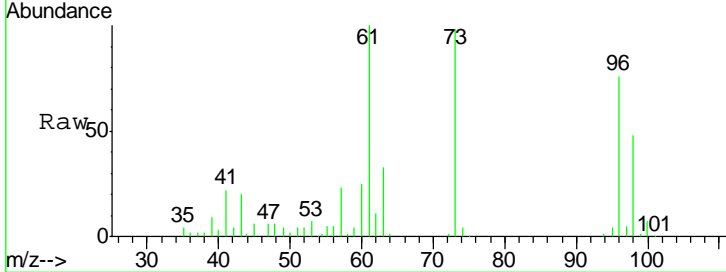
#21
 trans-1,2-Dichloroethene
 Concen: 19.797 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

Tgt Ion	Resp	Lower	Upper
96	57074		
96	100		
61	131.2	106.6	159.8
98	62.4	49.8	74.8

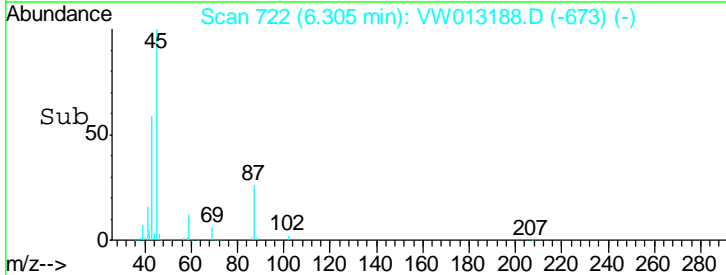
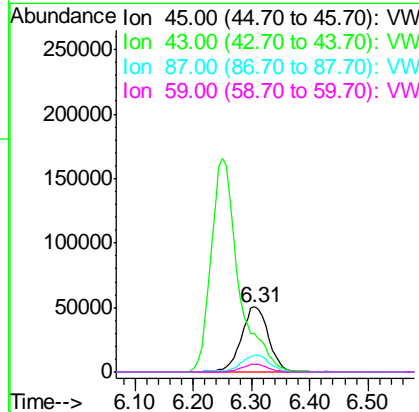
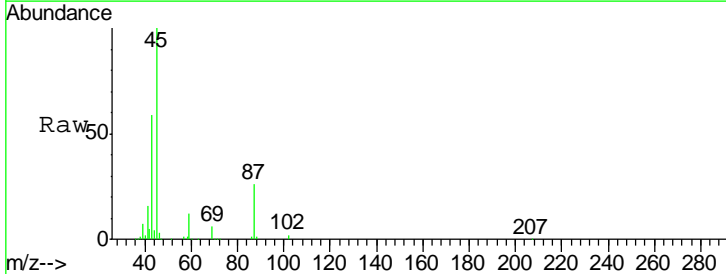
Manual Integrations
APPROVED

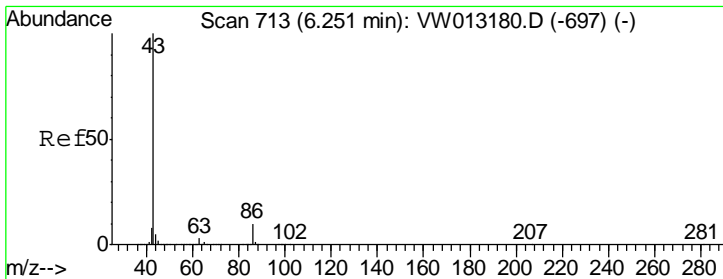
MMDadoda
 9/24/2019 5:28:55 AM



#22
 Diisopropyl ether
 Concen: 20.224 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
45	163262		
45	100		
43	58.3	42.4	63.6
87	26.0	20.4	30.6
59	11.9	8.8	13.2





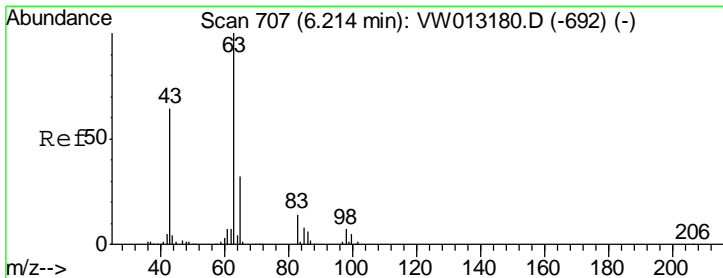
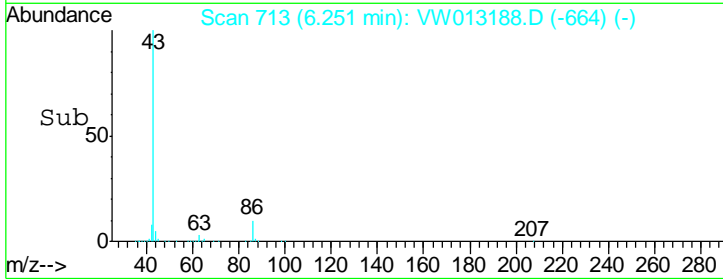
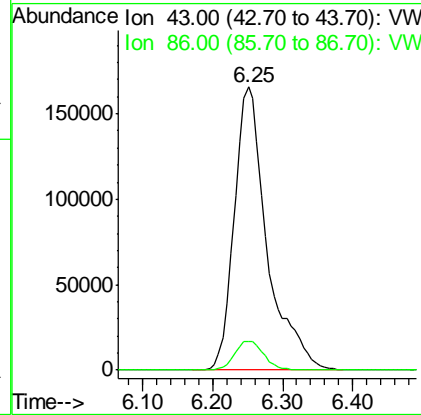
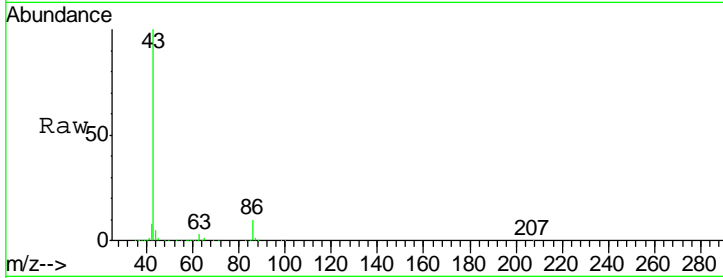
#23
 Vinyl Acetate
 Concen: 112.832 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
Client Sampled :
 VW0920SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.3	12.5

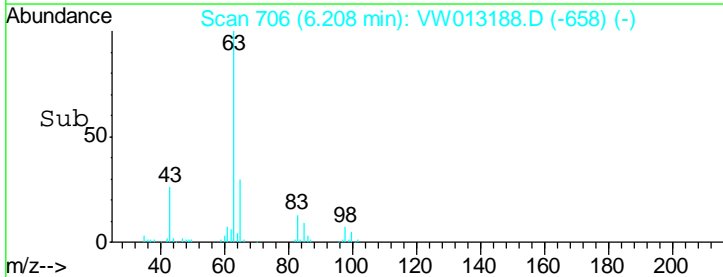
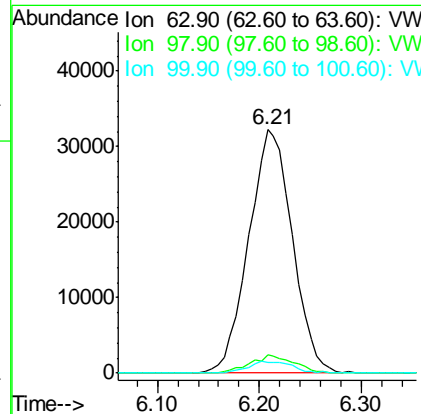
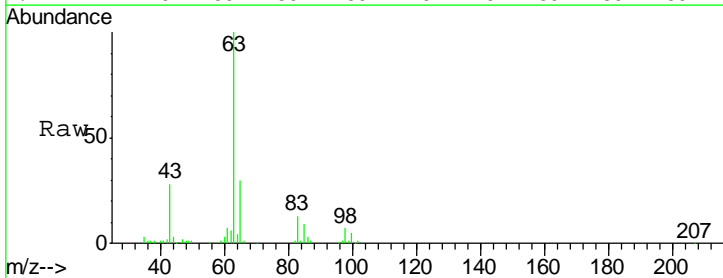
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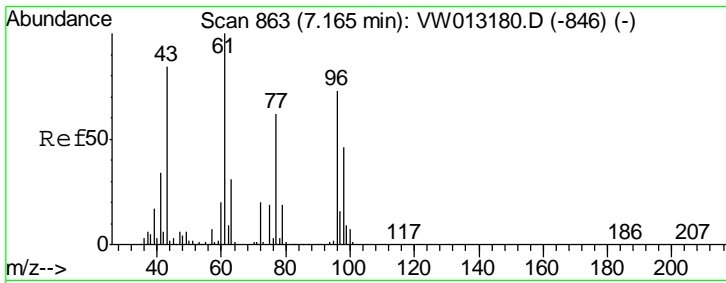
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.647 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.5
100	4.5	2.4	7.1



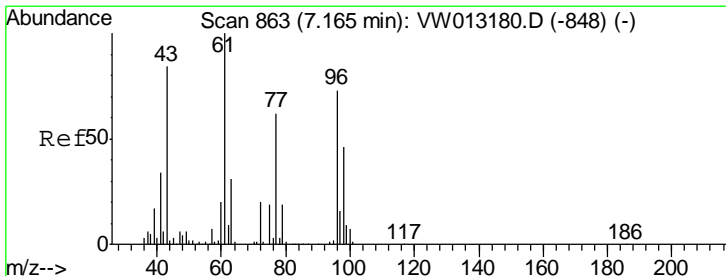
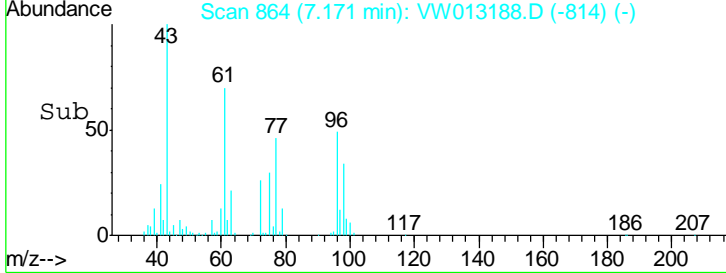
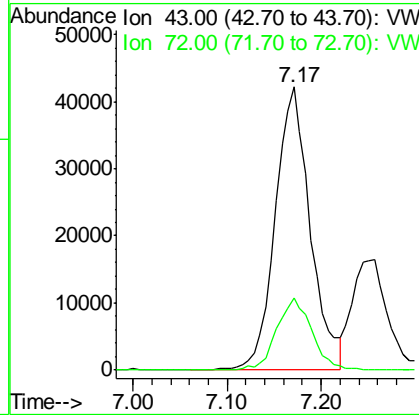
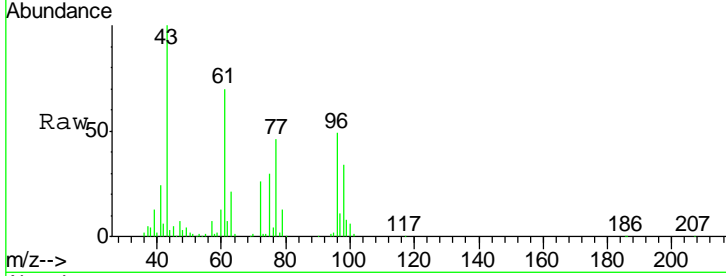


#25
 2-Butanone
 Concen: 138.007 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

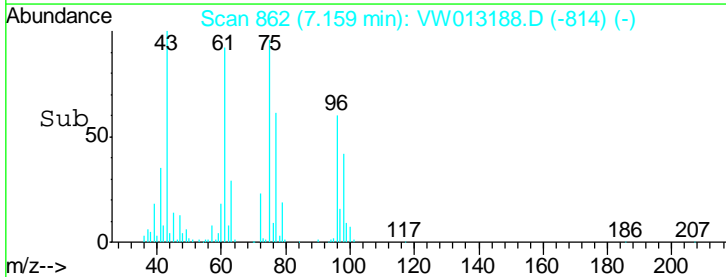
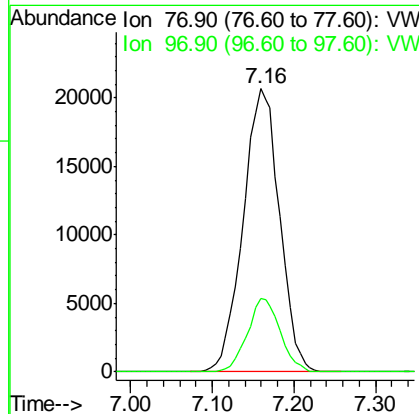
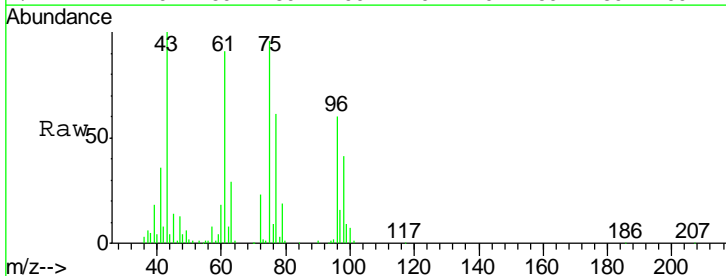
Tgt Ion	Resp	Lower	Upper
43	109445		
72	25.5	19.4	29.0

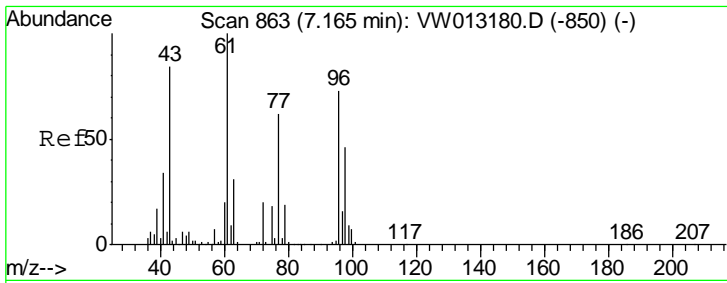
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#26
 2,2-Dichloropropane
 Concen: 20.005 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

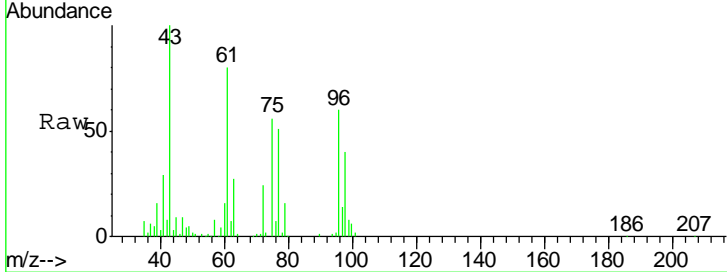
Tgt Ion	Resp	Lower	Upper
77	64134		
97	23.5	11.8	35.4





#27
 cis-1,2-Dichloroethene
 Concen: 19.459 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

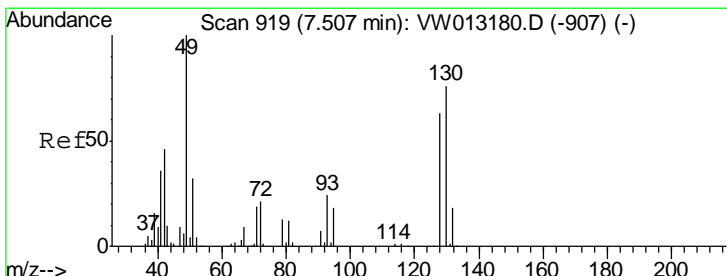
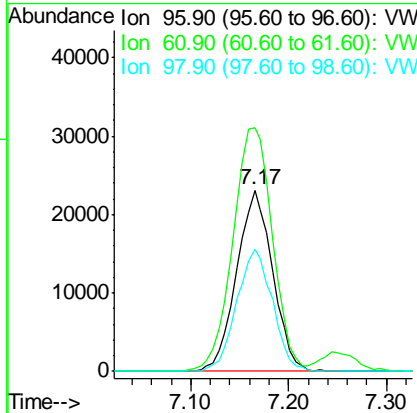
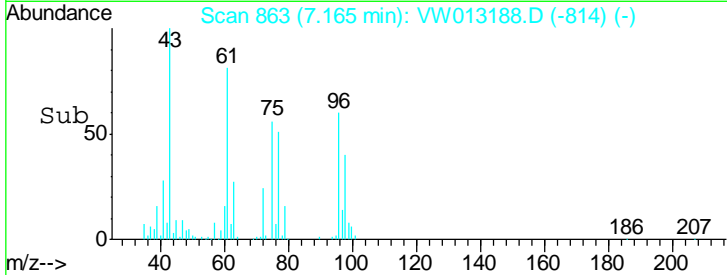
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01



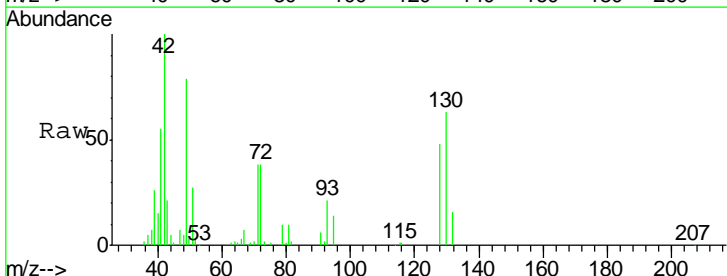
Tgt Ion: 96 Resp: 59206

Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	282.4
98	66.7	0.0	128.2

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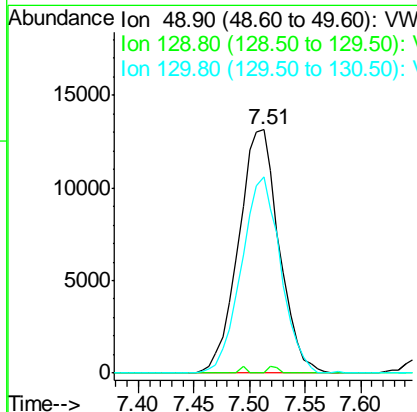
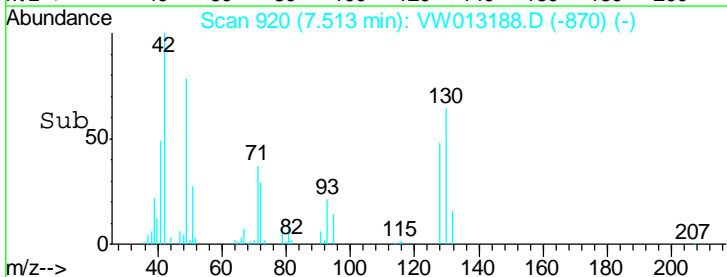


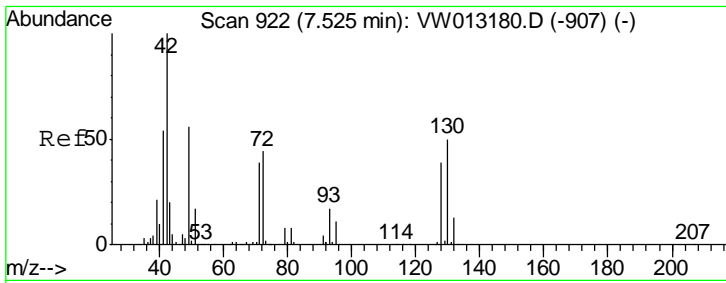
#28
 Bromochloromethane
 Concen: 17.801 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion: 49 Resp: 33281

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	78.0	63.4	95.2



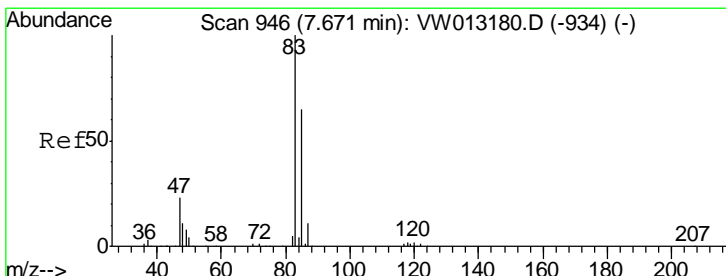
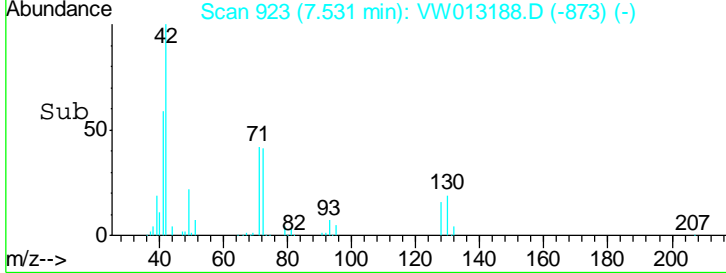
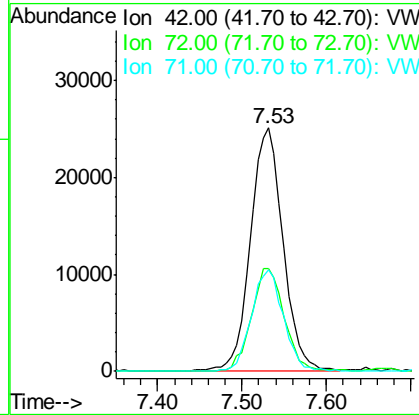
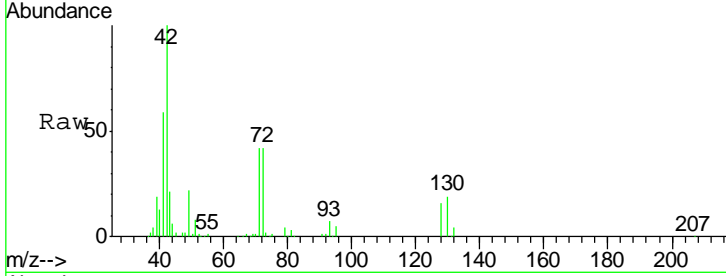


#29
 Tetrahydrofuran
 Concen: 137.270 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.4	33.9	50.9
71	40.7	31.9	47.9

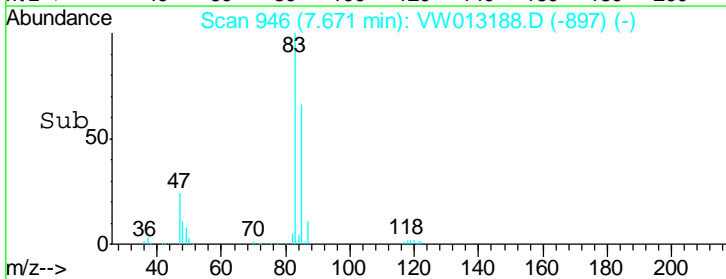
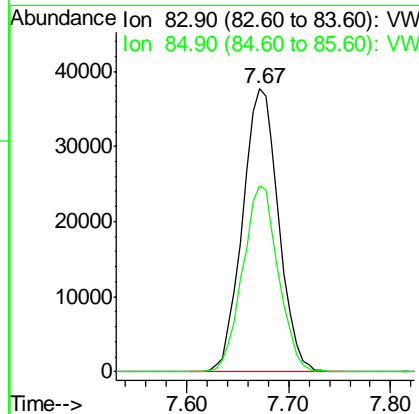
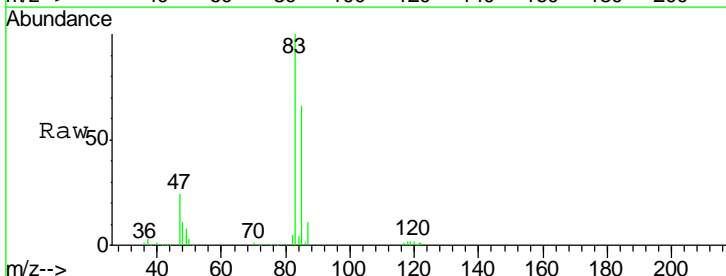
Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

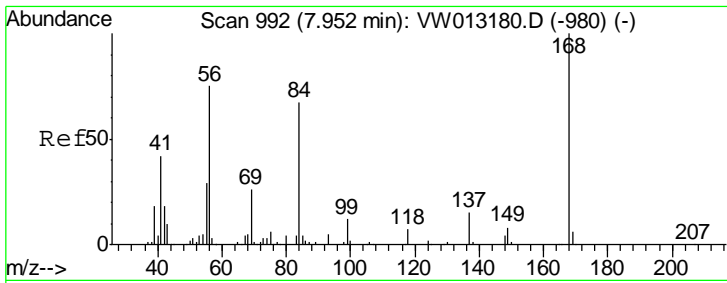
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#30
 Chloroform
 Concen: 19.344 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.8	52.3	78.5





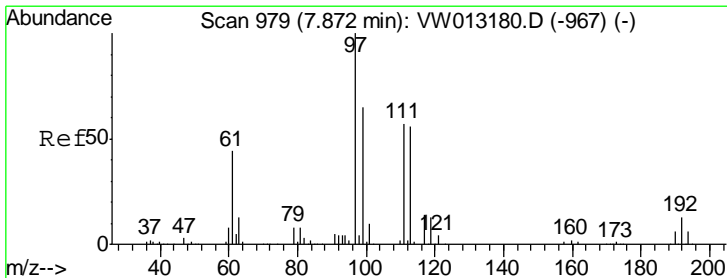
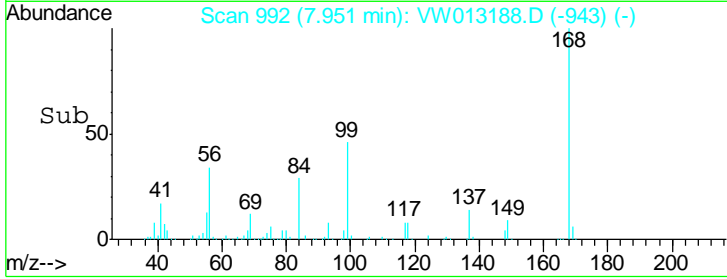
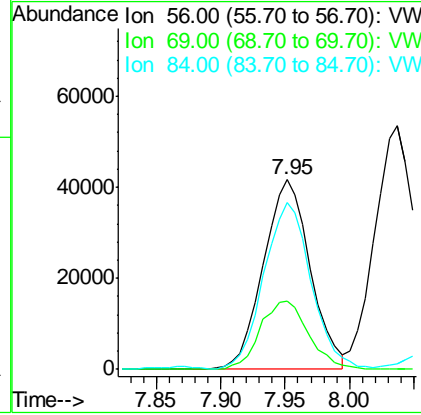
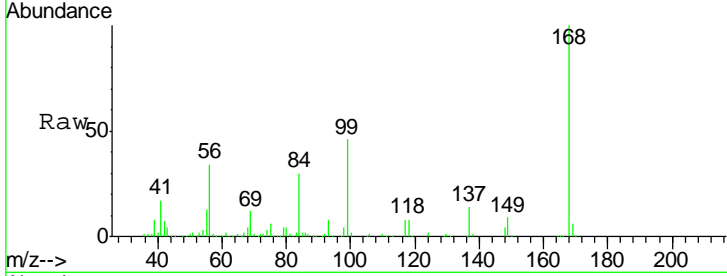
#31
 Cyclohexane
 Concen: 20.692 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

Tgt Ion	Resp	Lower	Upper
56	105071		
56	100		
69	35.7	27.2	40.8
84	87.5	70.8	106.2

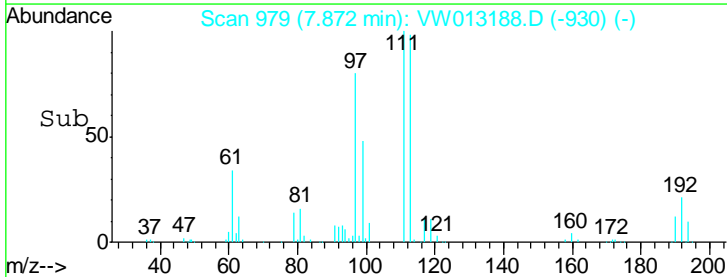
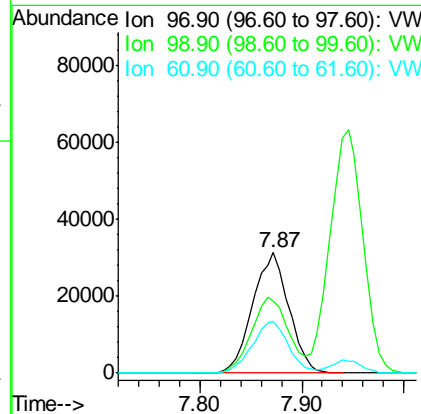
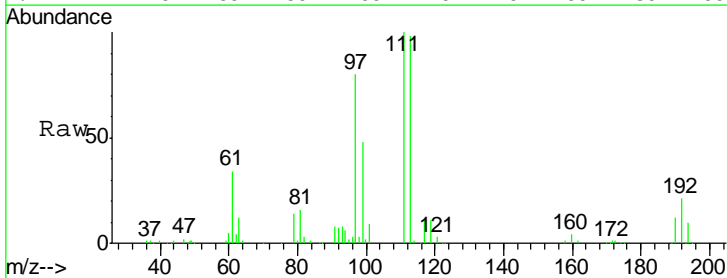
Manual Integrations
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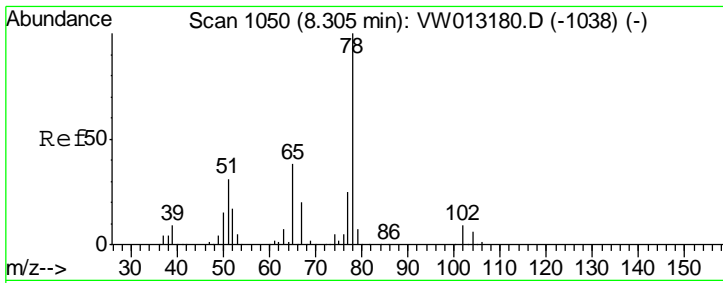
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#32
 1,1,1-Trichloroethane
 Concen: 19.949 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
97	77056		
97	100		
99	64.5	51.7	77.5
61	43.0	34.6	51.8



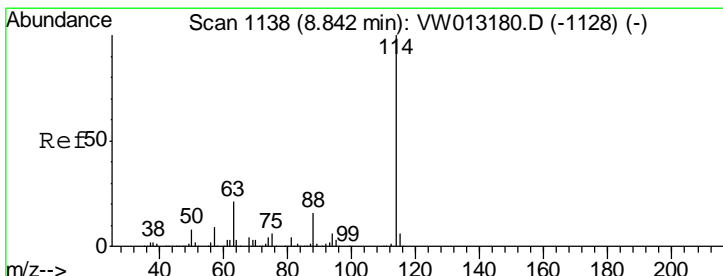
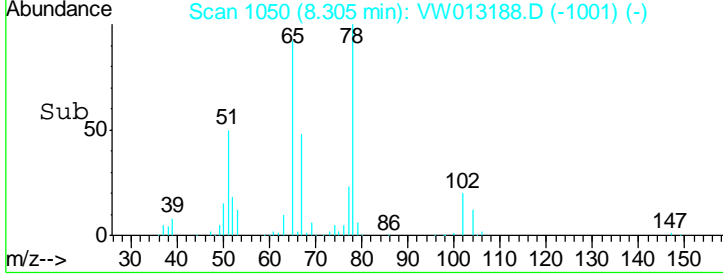
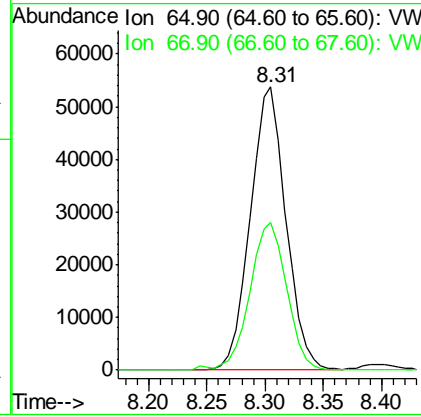
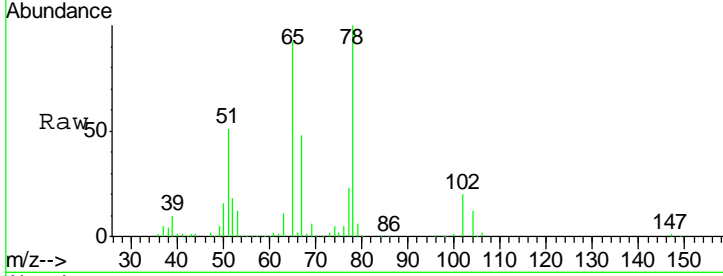


#33
 1,2-Dichloroethane-d4
 Concen: 49.002 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

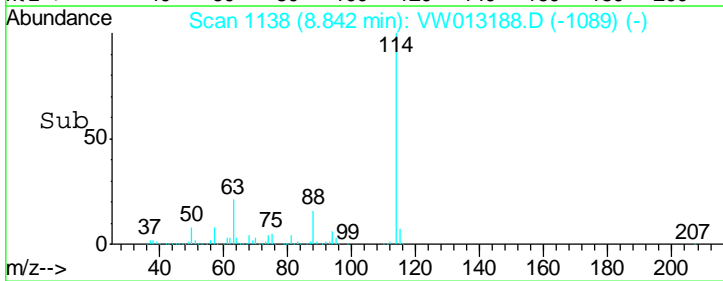
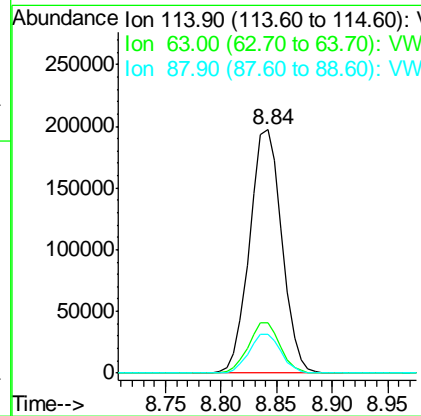
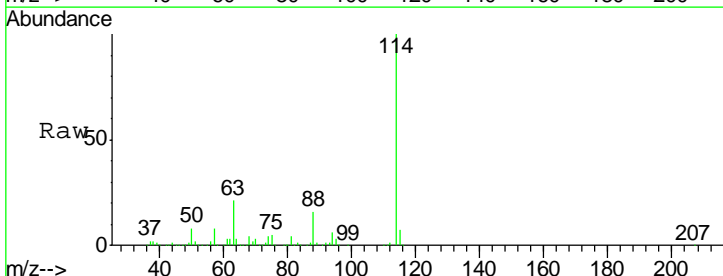
Tgt Ion	Resp	Lower	Upper
65	114792		
65	100		
67	54.0	0.0	106.2

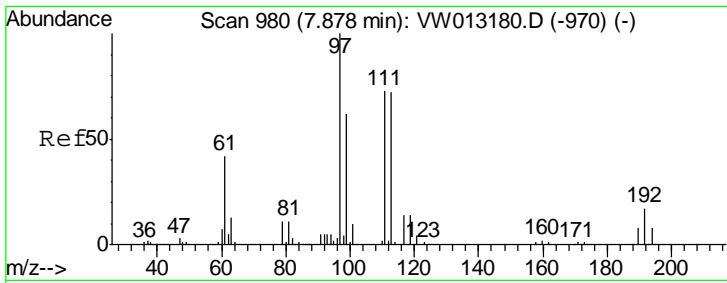
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

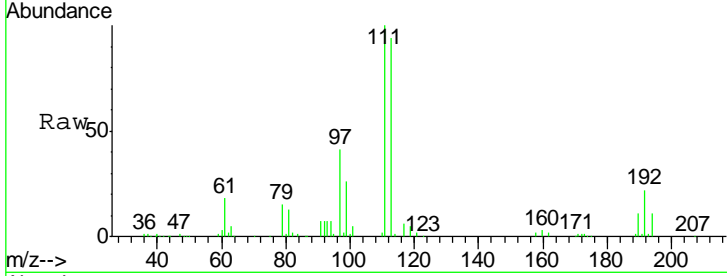
Tgt Ion	Resp	Lower	Upper
114	398227		
114	100		
63	20.5	0.0	41.4
88	15.8	0.0	32.0





#35
 Dibromofluoromethane
 Concen: 48.815 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

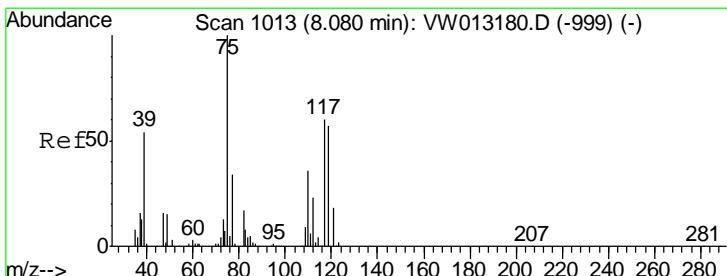
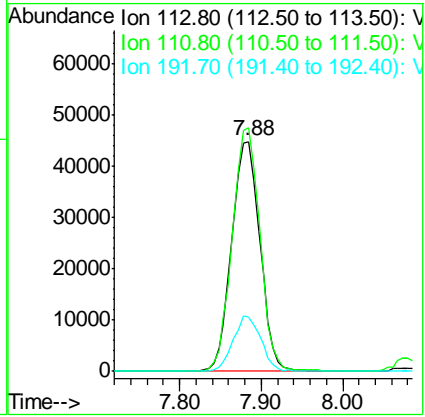
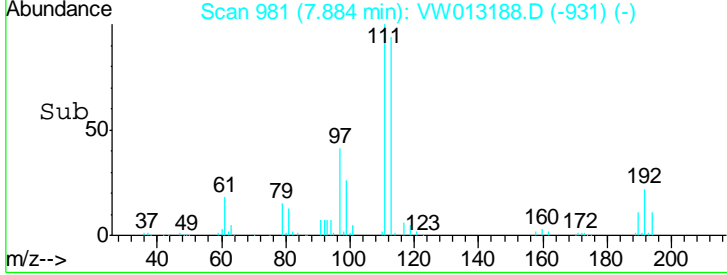
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01



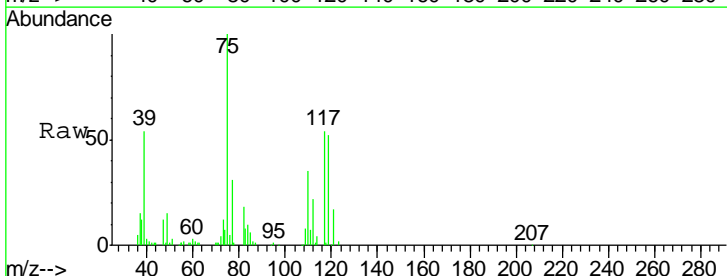
Tgt Ion: 113 Resp: 106917

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	23.4	19.1	28.7

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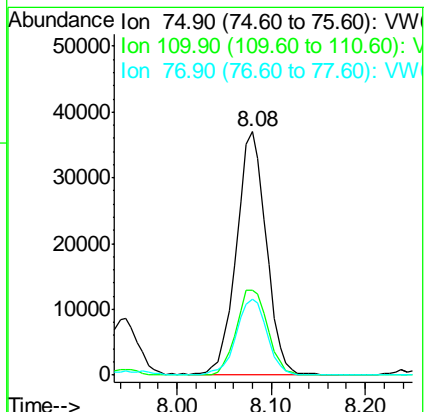
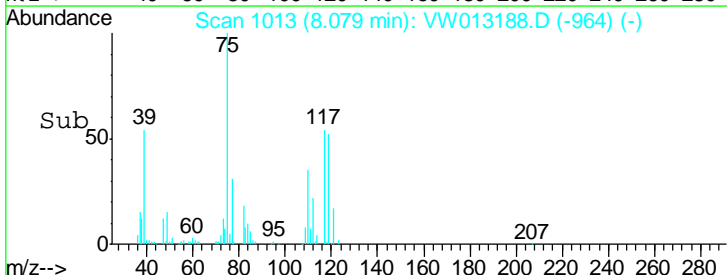


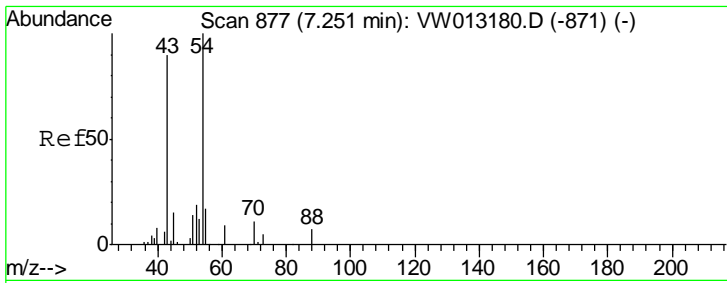
#36
 1,1-Dichloropropene
 Concen: 21.275 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion: 75 Resp: 82061

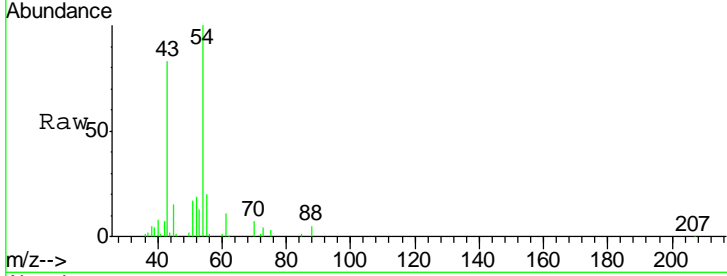
Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.3
77	31.9	25.8	38.6





#37
 Ethyl Acetate
 Concen: 26.371 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

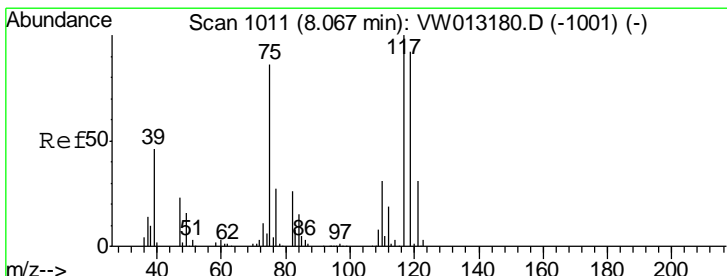
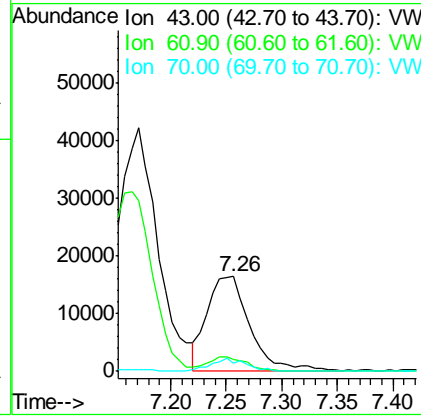
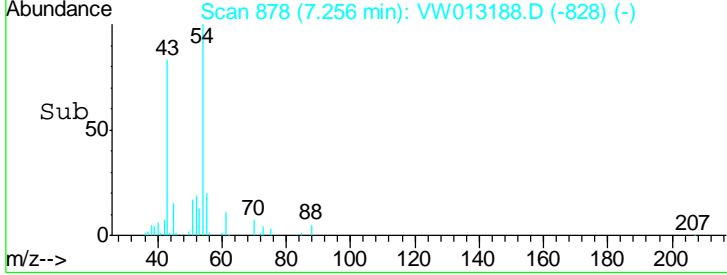
Instrument :
 MSVOA_W
Client Sampled :
 VW0920SBSD01



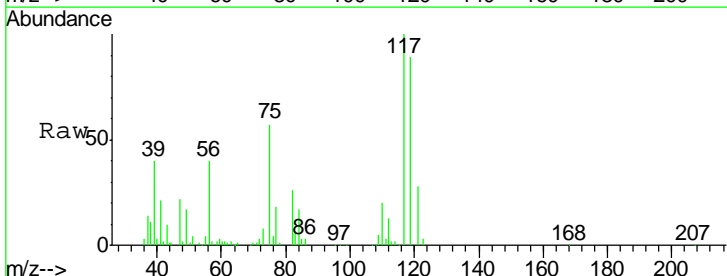
Tgt Ion: 43 Resp: 43229

Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	11.5	8.2	12.2

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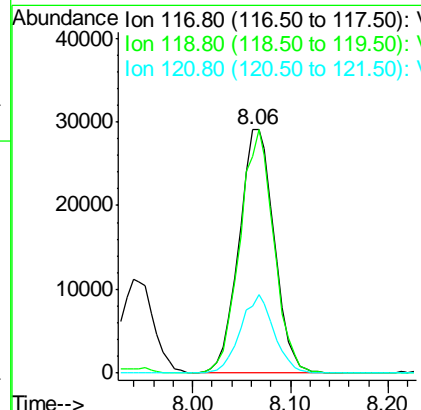
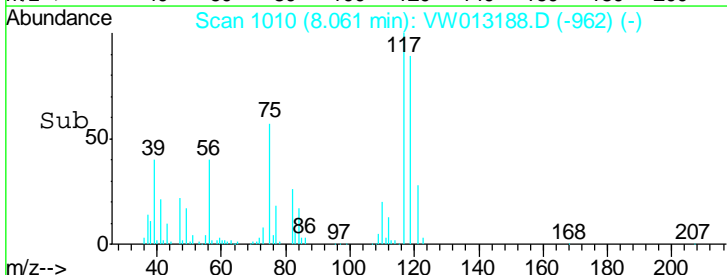


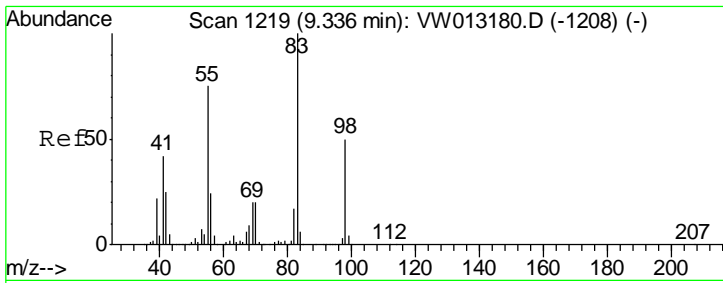
#38
 Carbon Tetrachloride
 Concen: 20.977 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion: 117 Resp: 72531

Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.5	110.3
121	27.6	25.0	37.6



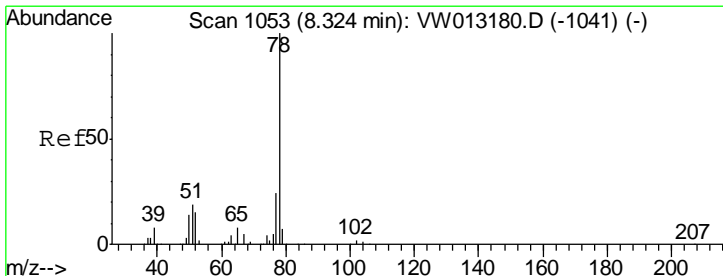
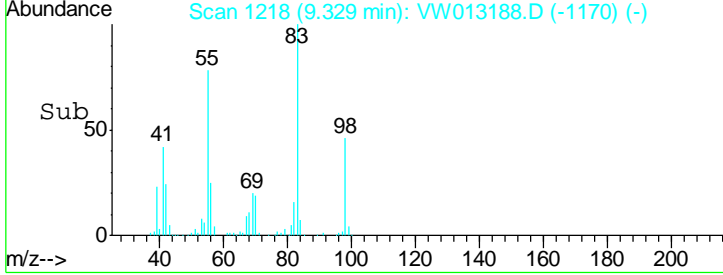
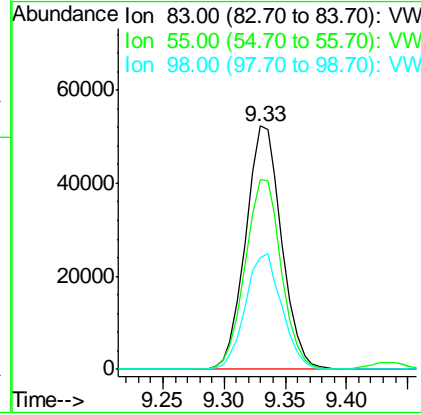
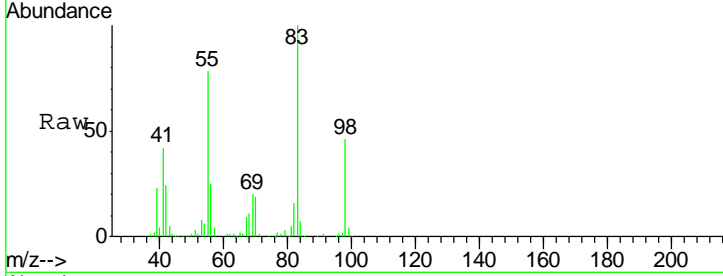


#39
 Methylcyclohexane
 Concen: 21.547 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

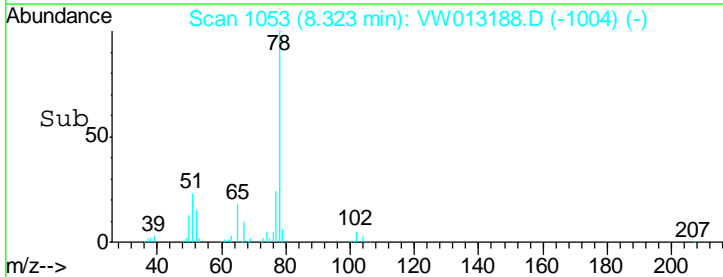
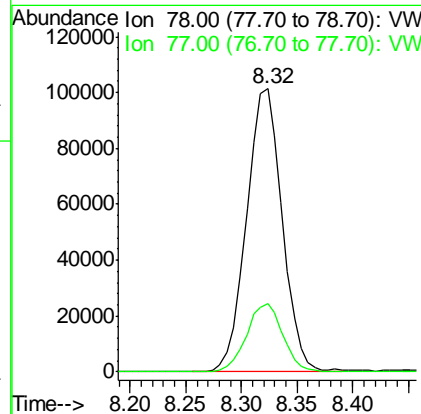
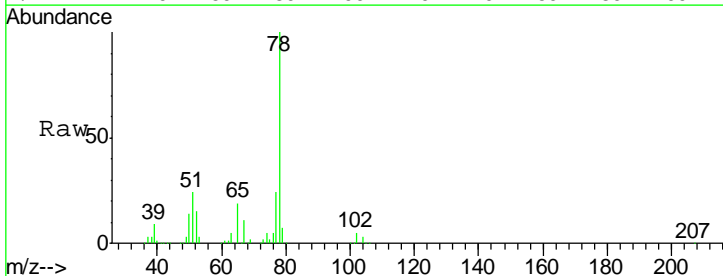
Tgt Ion	Resp	Lower	Upper
83	106806		
83	100		
55	78.0	60.4	90.6
98	46.1	40.0	60.0

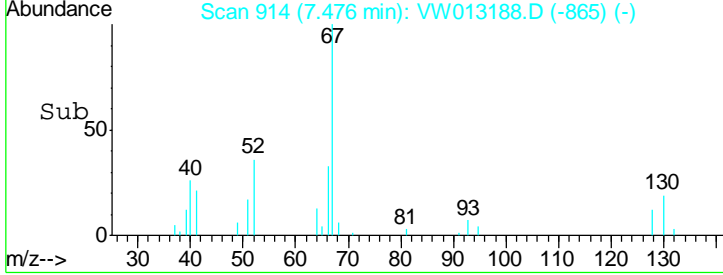
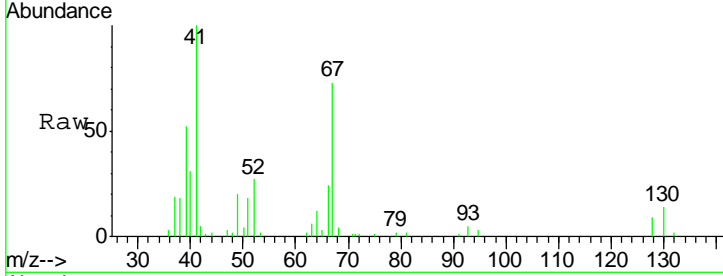
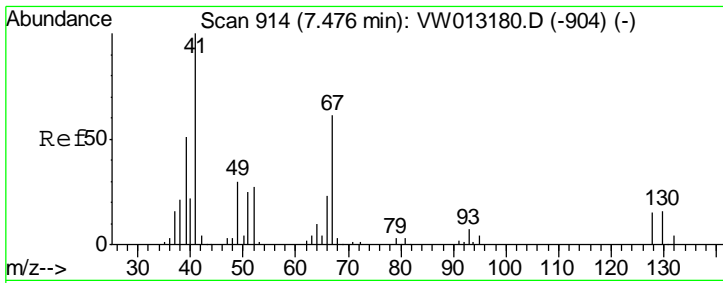
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#40
 Benzene
 Concen: 21.015 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

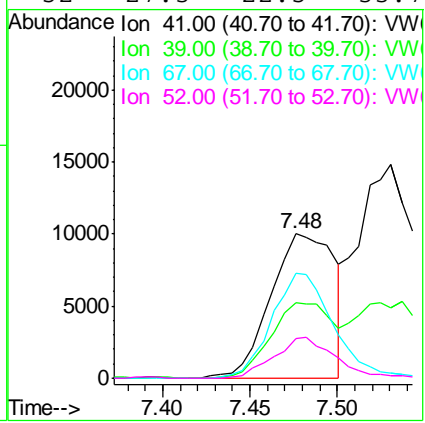
Tgt Ion	Resp	Lower	Upper
78	226090		
78	100		
77	24.3	19.1	28.7





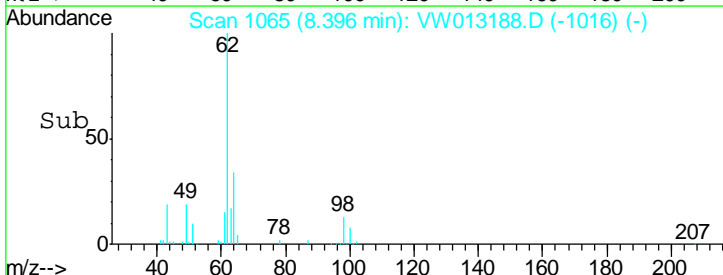
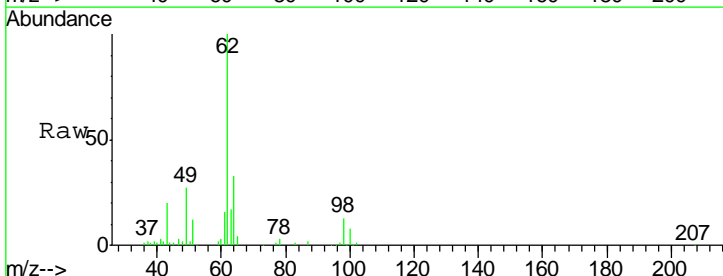
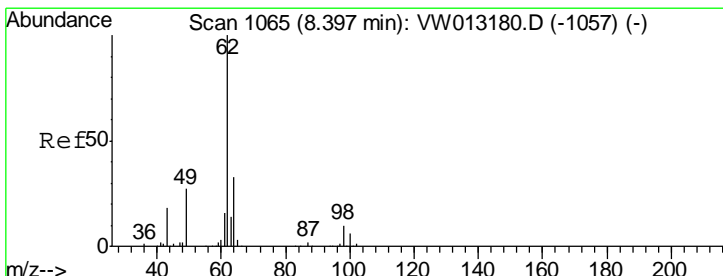
#41
 Methacrylonitrile
 Concen: 25.883 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
41	100		
39	51.0	45.9	68.9
67	71.0	54.5	81.7
52	27.3	22.5	33.7



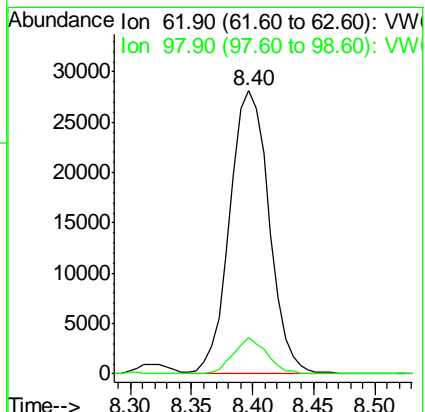
Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

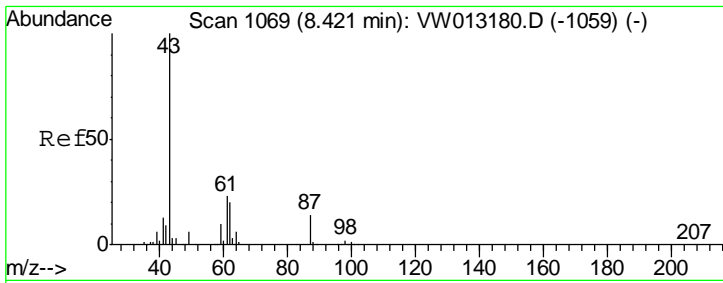
Manual Integrations
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#42
 1,2-Dichloroethane
 Concen: 21.747 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.7	0.0	20.6





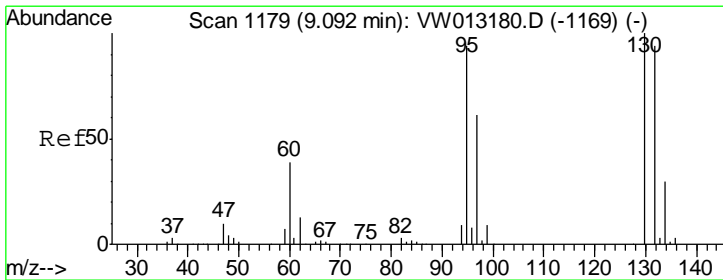
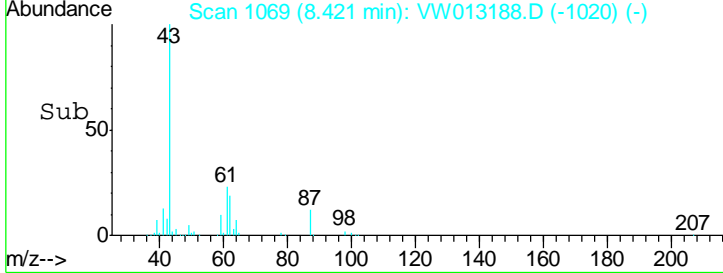
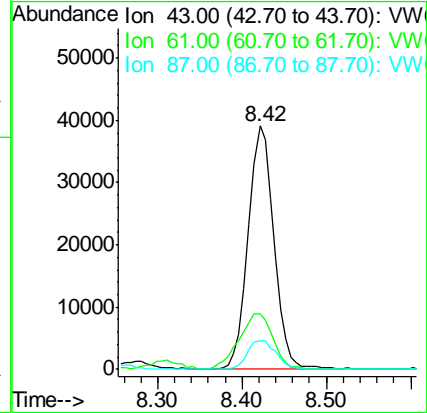
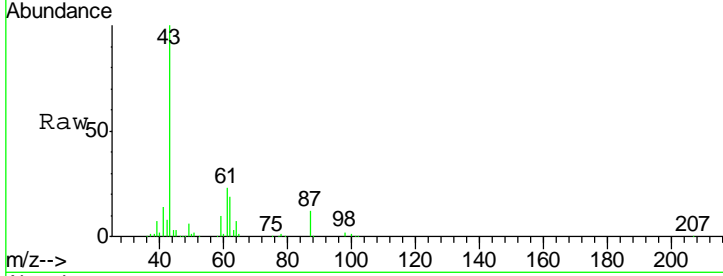
#43
 Isopropyl Acetate
 Concen: 25.395 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

Tgt Ion	Resp	Lower	Upper
43	100		
61	29.7	25.5	38.3
87	13.0	11.0	16.4

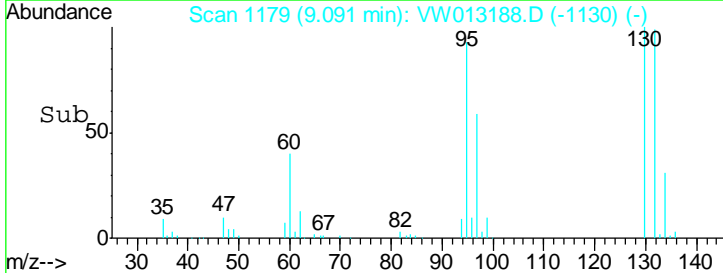
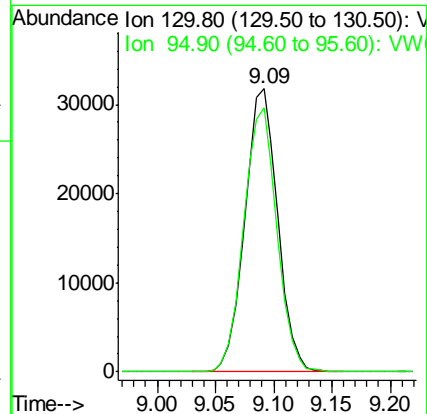
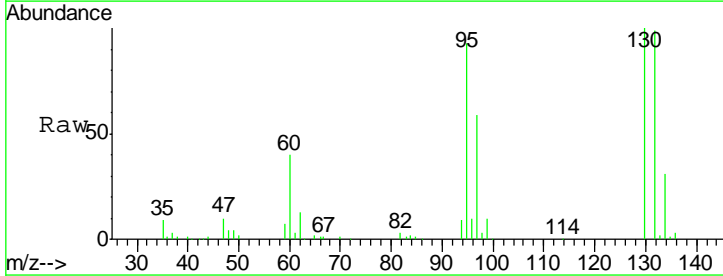
Manual Integrations
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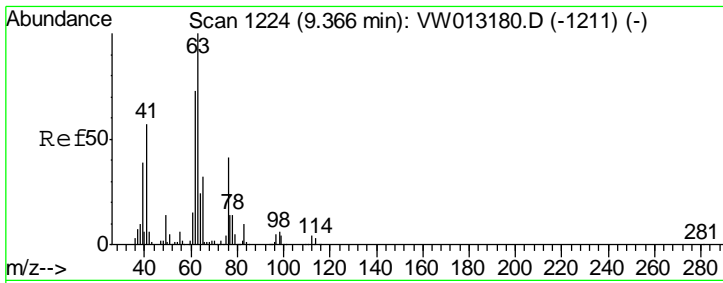
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#44
 Trichloroethene
 Concen: 20.658 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
130	100		
95	93.2	0.0	188.0



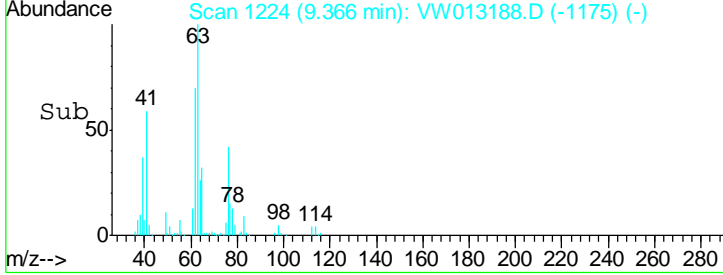
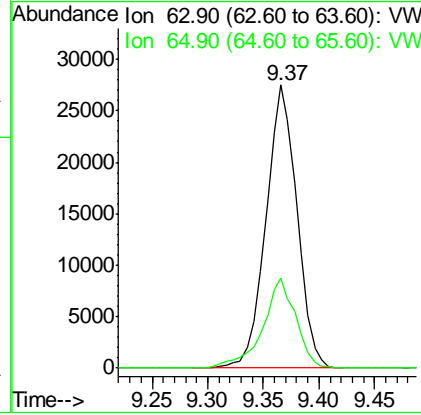
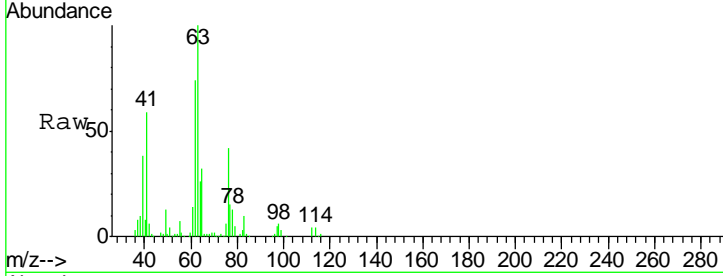


#45
 1,2-Dichloropropane
 Concen: 20.324 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

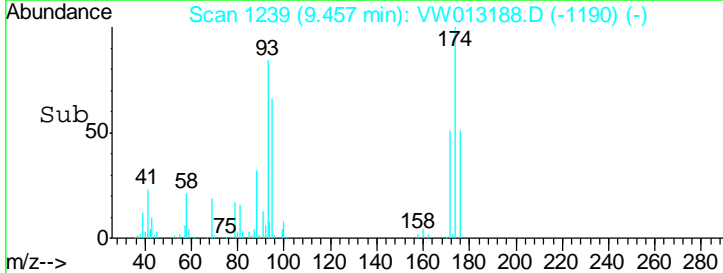
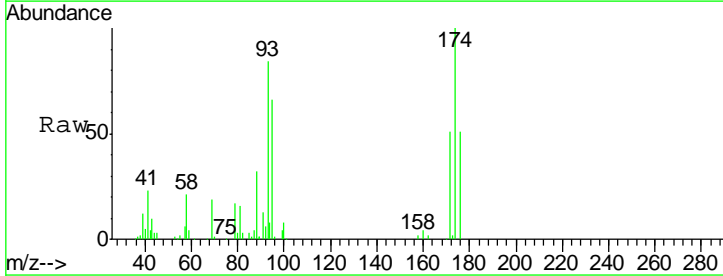
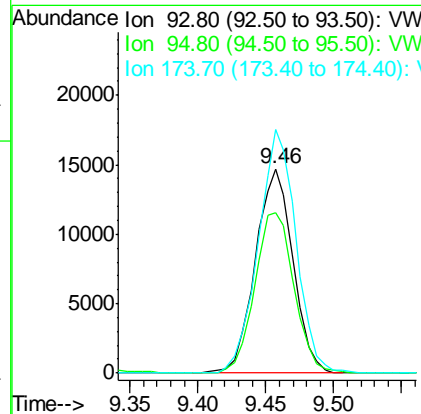
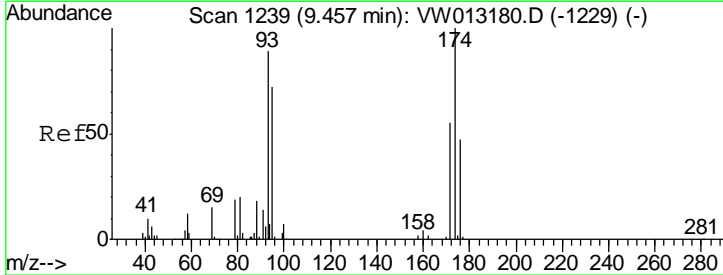
Tgt Ion	Resp	Lower	Upper
63	100		
65	32.0	25.3	37.9

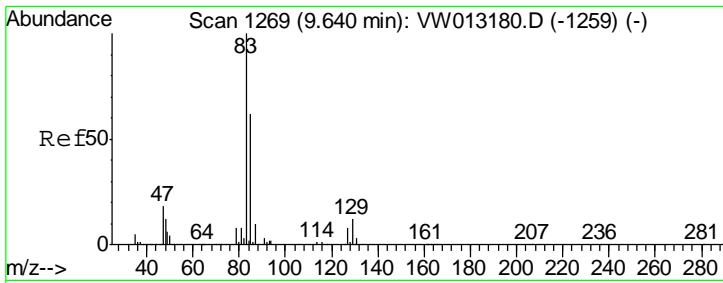
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#46
 Dibromomethane
 Concen: 22.248 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
93	100		
95	82.5	66.4	99.6
174	120.3	93.0	139.6





#47

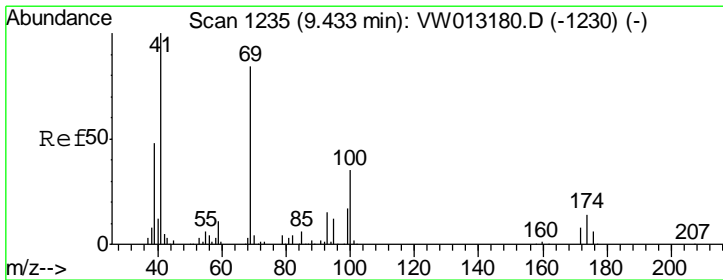
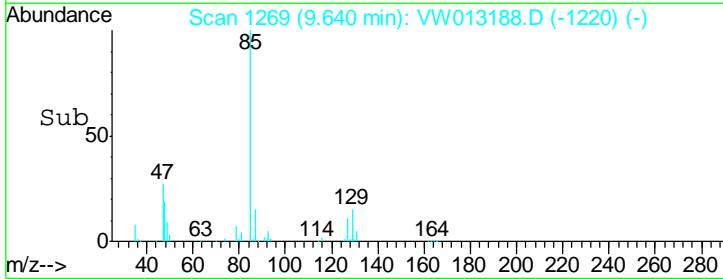
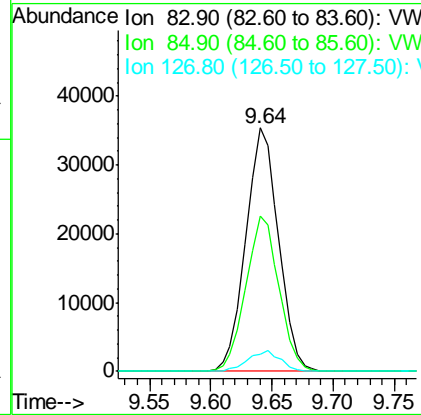
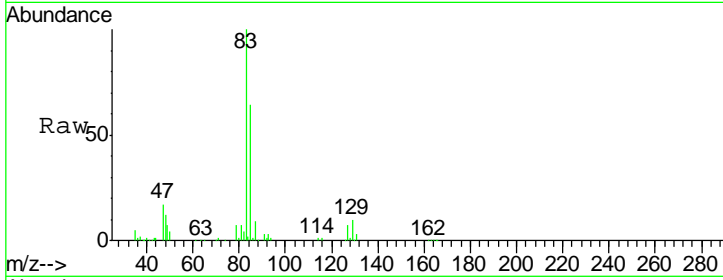
Bromodichloromethane
 Concen: 20.263 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.7	49.4	74.2
127	7.0	6.5	9.7

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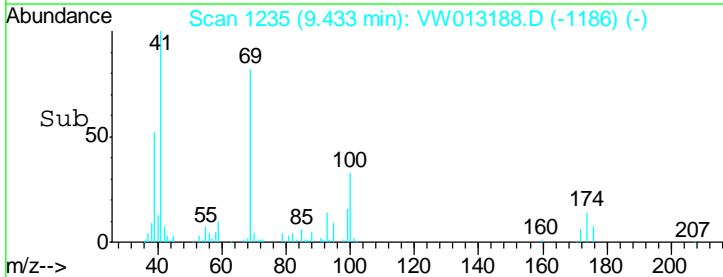
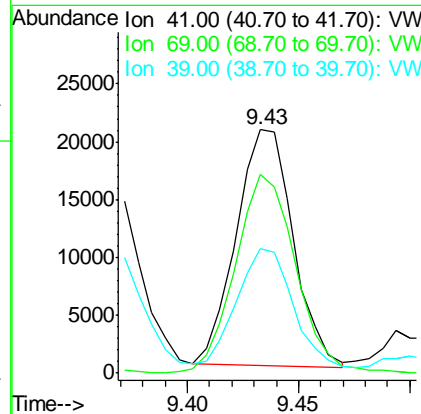
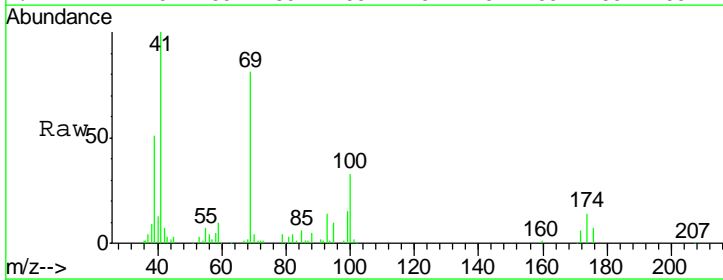
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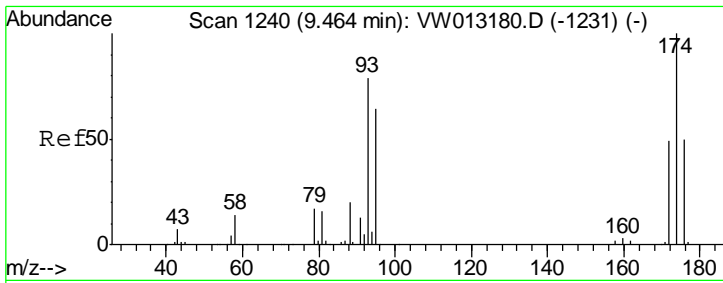


#48

Methyl methacrylate
 Concen: 24.445 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

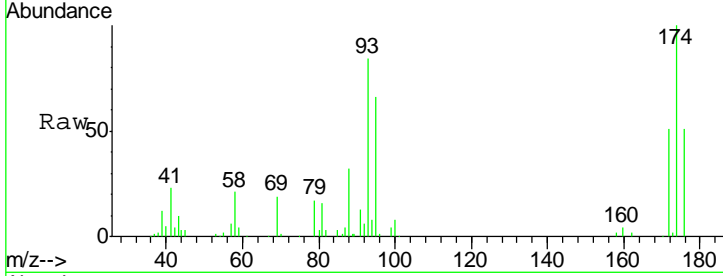
Tgt Ion	Resp	Lower	Upper
41	100		
69	90.2	69.7	104.5
39	49.4	41.1	61.7





#49
 1,4-Dioxane
 Concen: 632.433 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

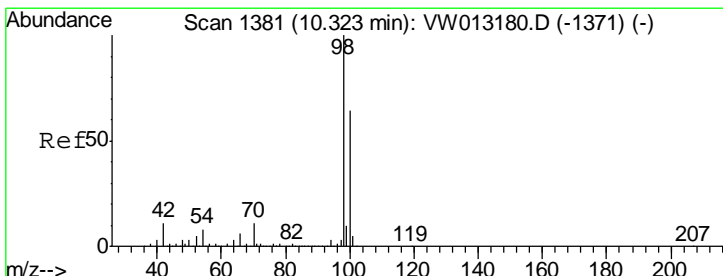
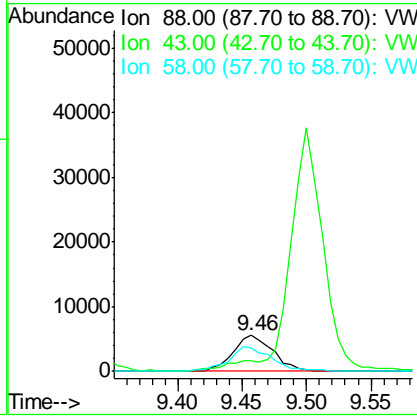
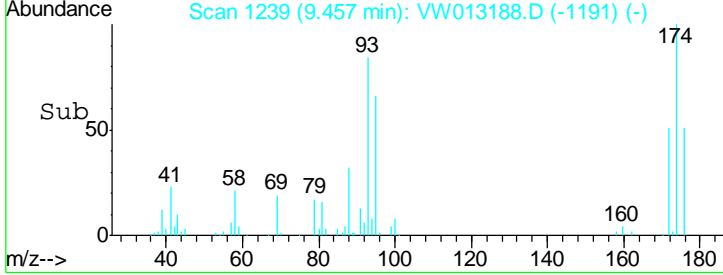
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01



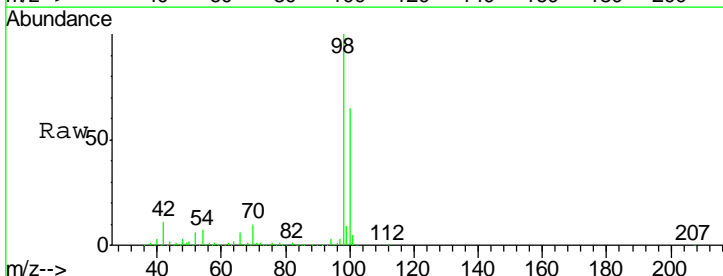
Tgt Ion: 88 Resp: 12106

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	73.3	65.4	98.0

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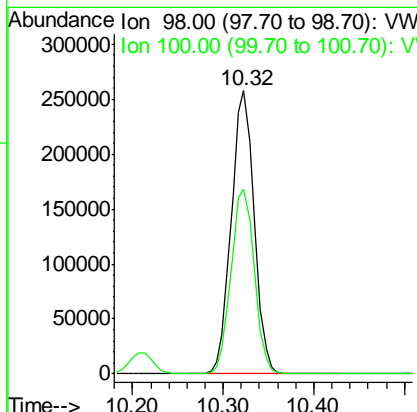
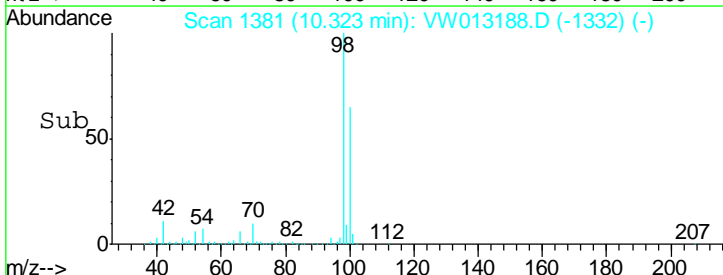


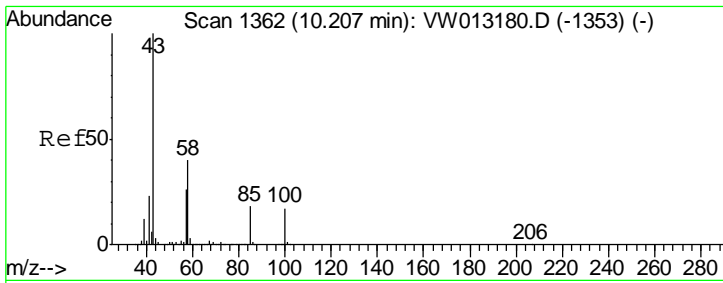
#50
 Toluene-d8
 Concen: 49.168 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion: 98 Resp: 450699

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3



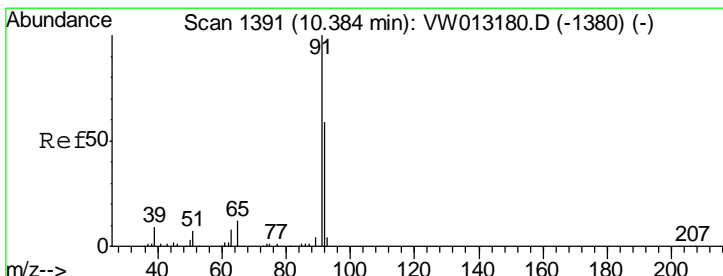
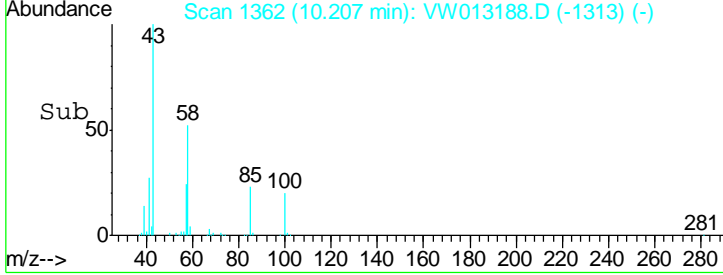
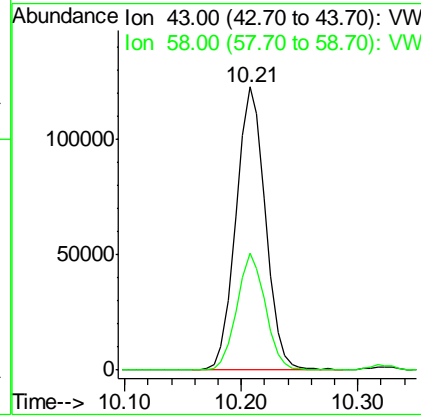
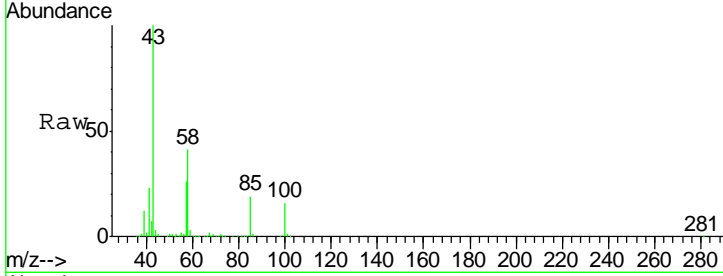


#51
 4-Methyl-2-Pentanone
 Concen: 136.718 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01

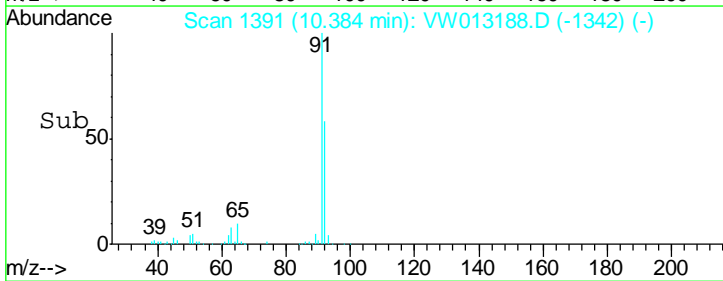
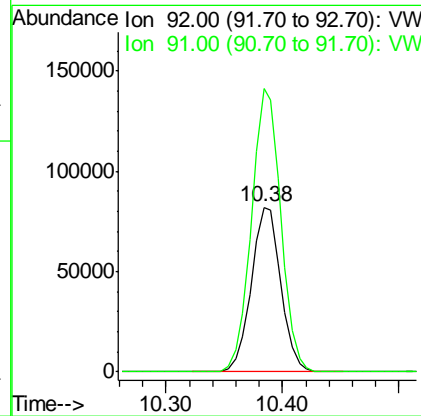
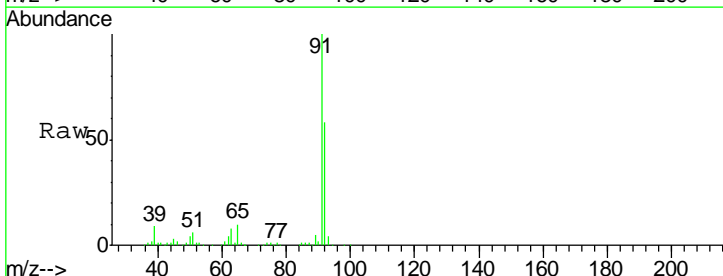
Tgt Ion	Resp	Lower	Upper
43	100		
58	40.2	31.7	47.5

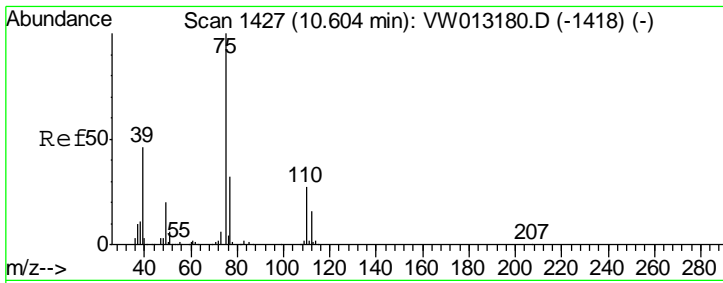
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#52
 Toluene
 Concen: 21.005 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
92	100		
91	170.6	135.7	203.5



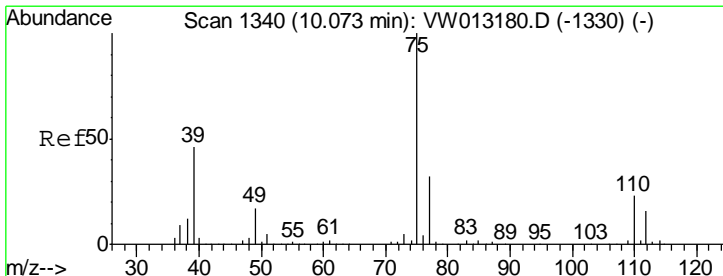
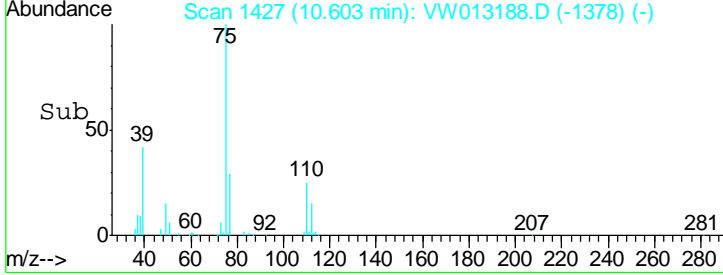
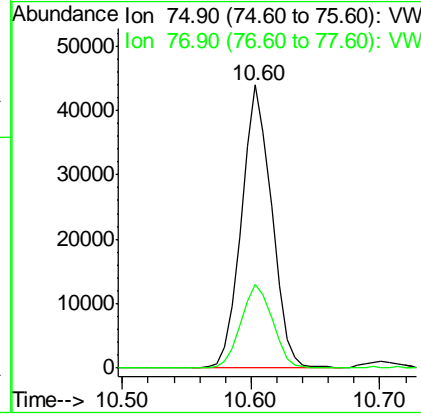
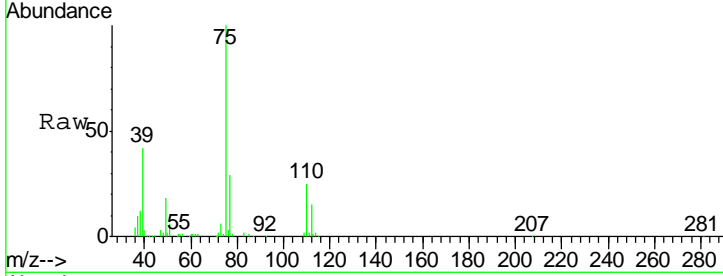


#53
 t-1,3-Dichloropropene
 Concen: 21.350 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

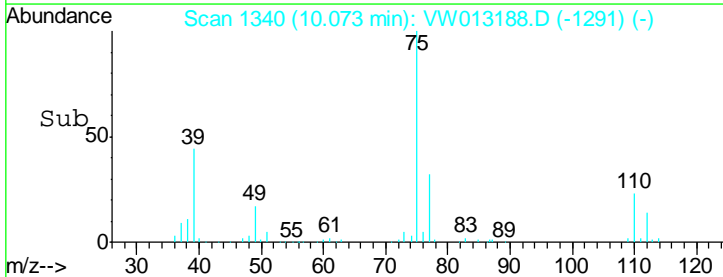
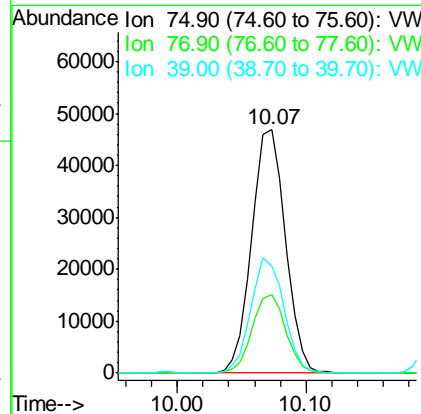
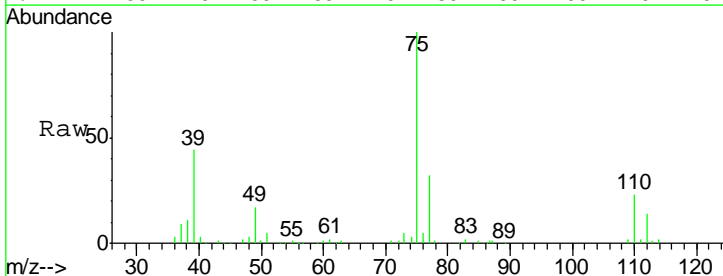
Tgt Ion	Resp	Lower	Upper
75	71176		
75	100		
77	29.4	25.5	38.3

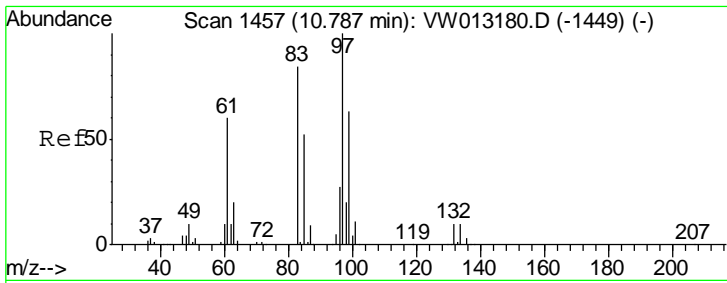
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#54
 cis-1,3-Dichloropropene
 Concen: 20.965 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

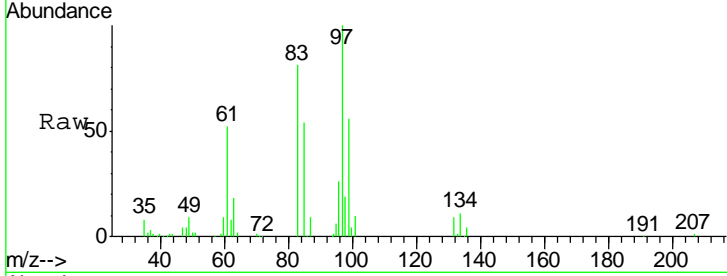
Tgt Ion	Resp	Lower	Upper
75	84978		
75	100		
77	32.3	25.2	37.8
39	43.8	36.6	55.0





#55
 1,1,2-Trichloroethane
 Concen: 22.565 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

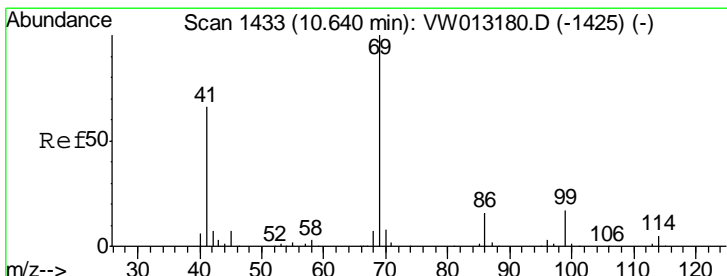
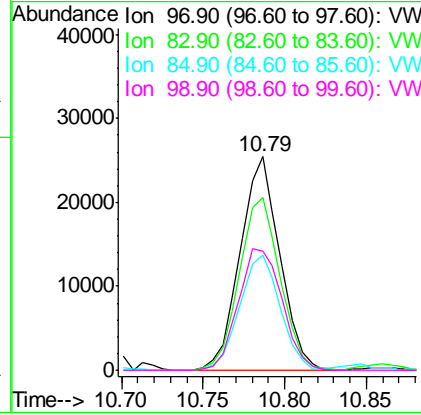
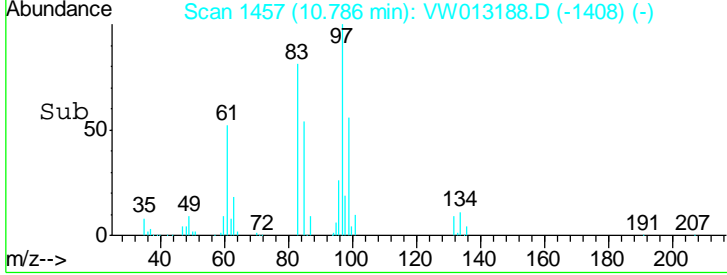
Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01



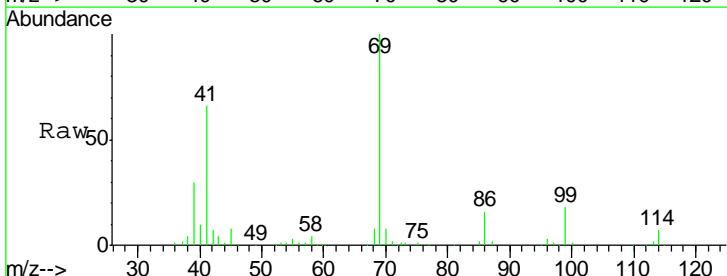
Tgt Ion: 97 Resp: 43010

Ion	Ratio	Lower	Upper
97	100		
83	81.0	67.6	101.4
85	53.8	41.9	62.9
99	55.6	50.1	75.1

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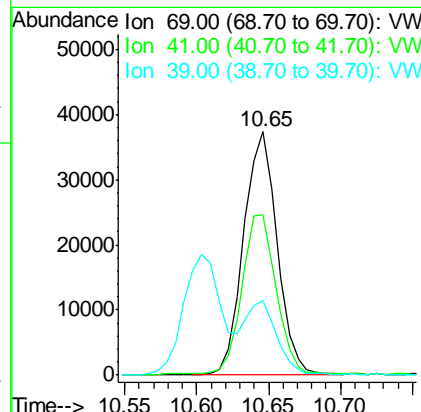
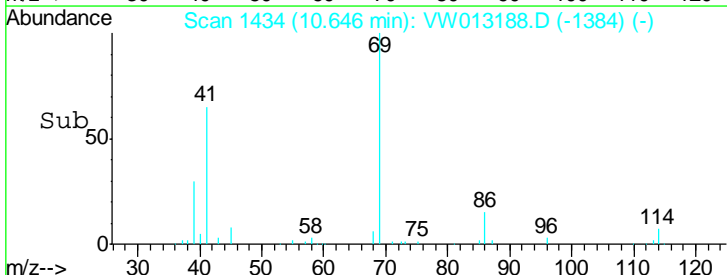


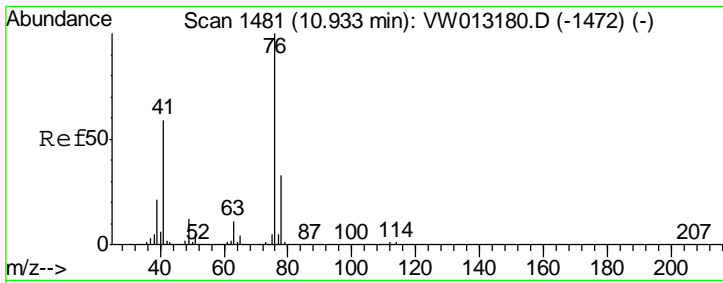
#56
 Ethyl methacrylate
 Concen: 24.285 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion: 69 Resp: 60580

Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.9	80.9
39	28.4	23.8	35.6



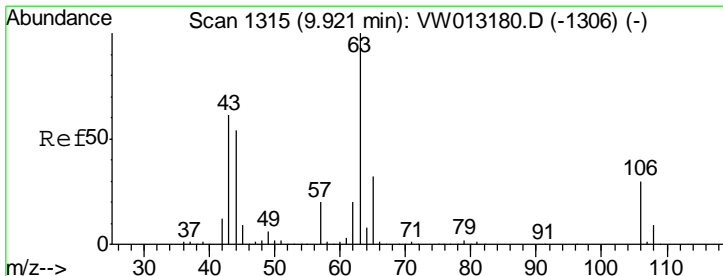
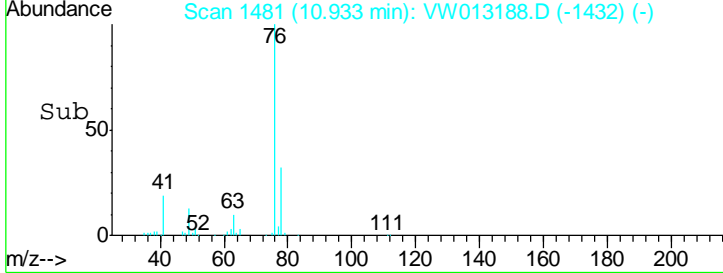
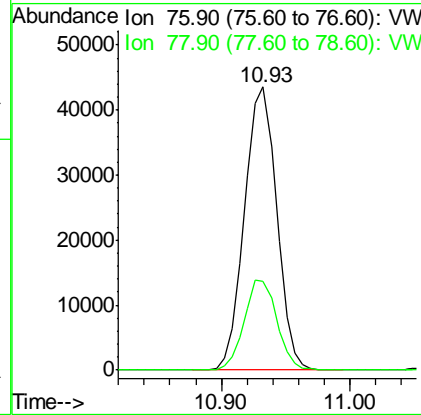
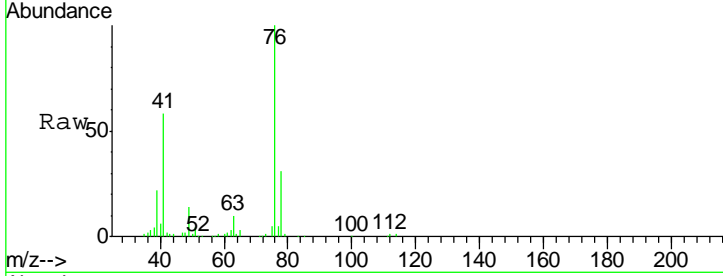


#57
 1,3-Dichloropropane
 Concen: 22.635 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

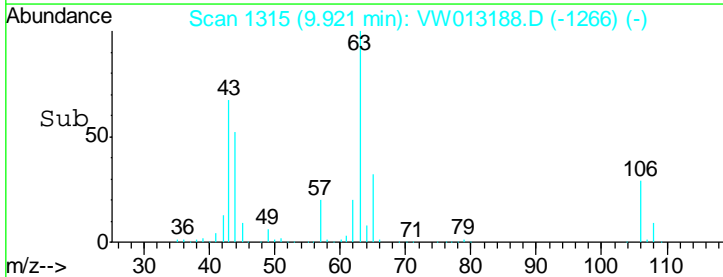
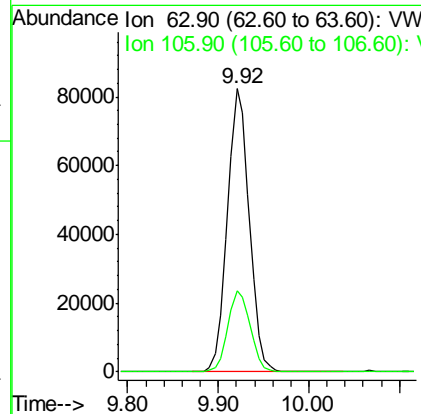
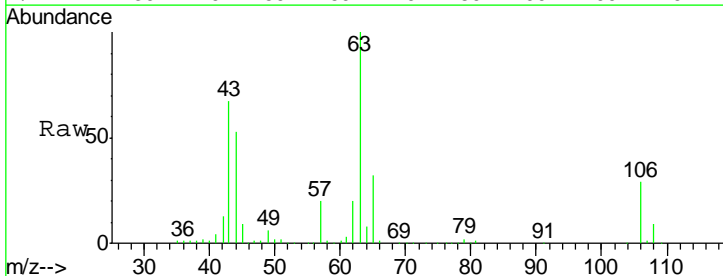
Tgt Ion	Resp	Lower	Upper
76	100		
78	32.3	25.5	38.3

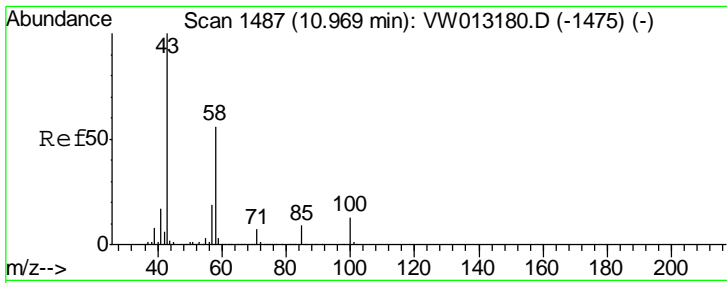
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 MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 119.743 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
63	100		
106	29.2	23.4	35.0





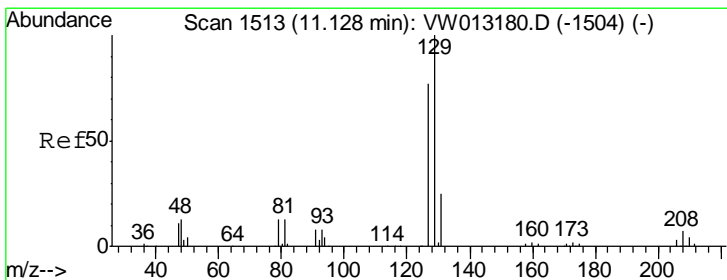
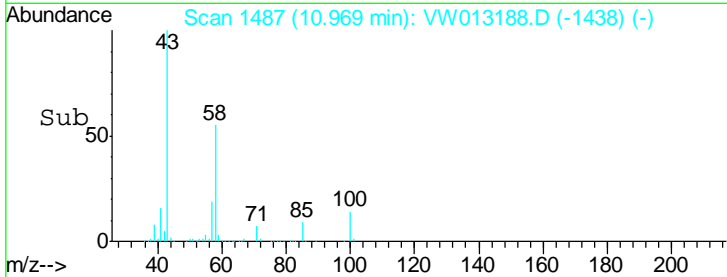
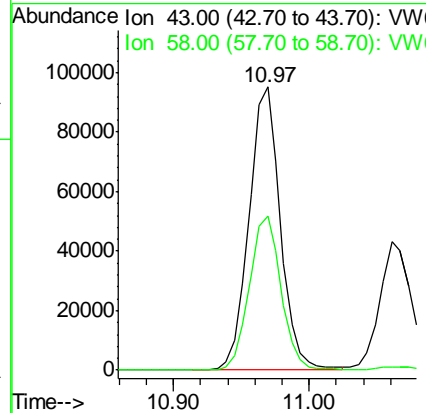
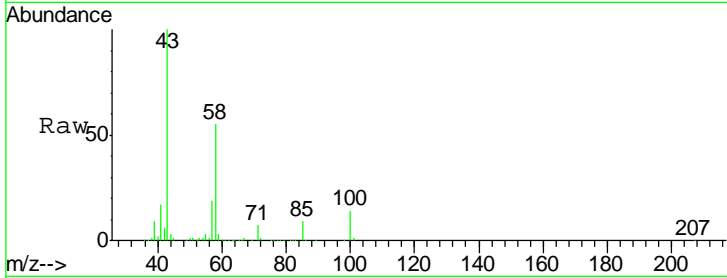
#59
 2-Hexanone
 Concen: 141.896 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.3	28.1	84.2

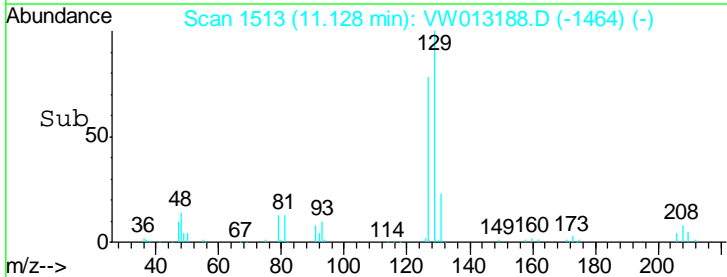
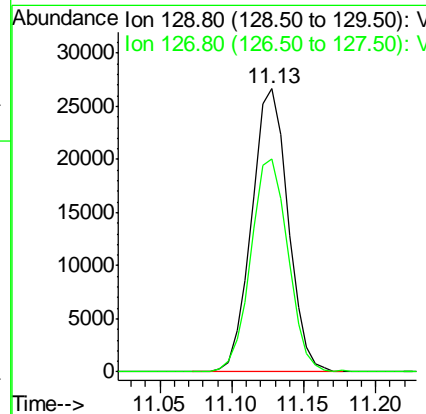
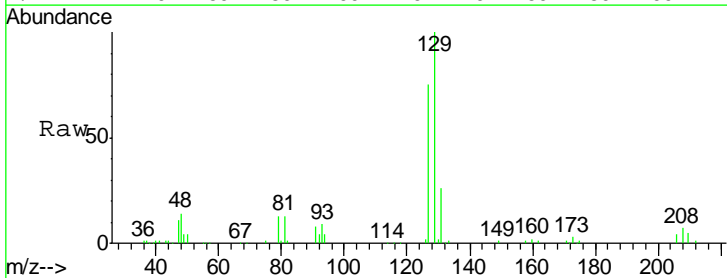
Manual Integrations
APPROVED

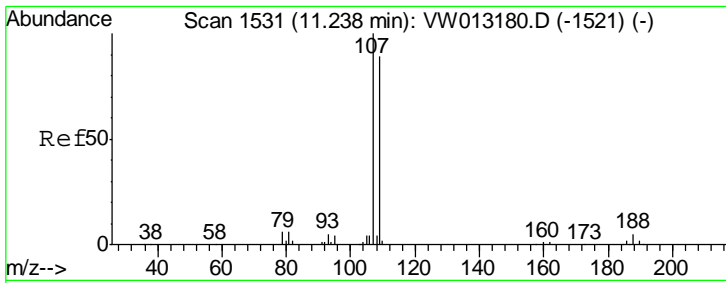
MMDadoda
 9/24/2019 5:28:55 AM



#60
 Dibromochloromethane
 Concen: 21.442 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.2	38.8	116.4





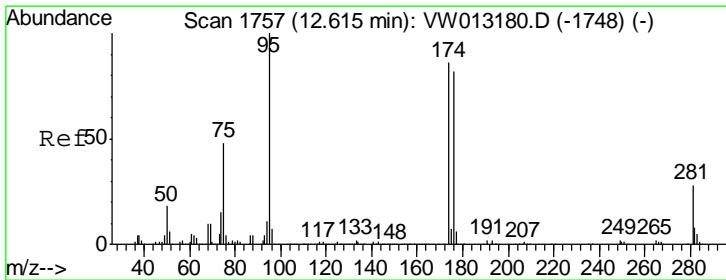
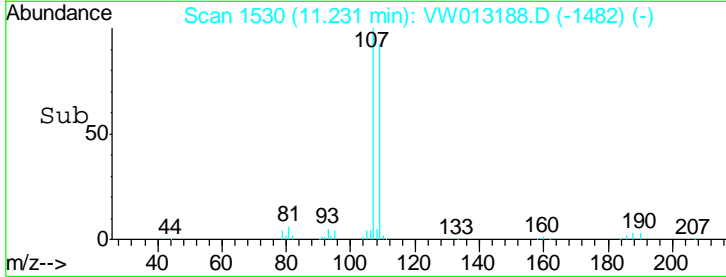
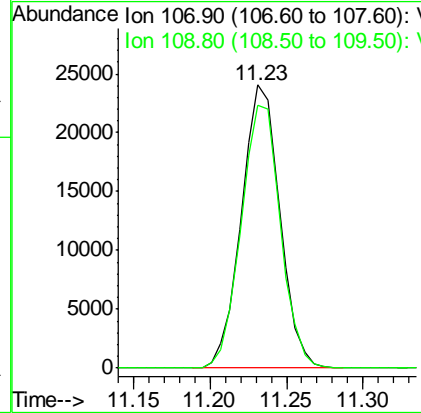
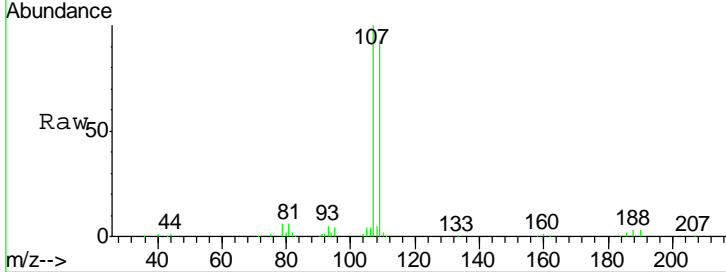
#61
 1,2-Dibromoethane
 Concen: 23.139 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

Tgt Ion	Resp	Lower	Upper
107	41933		
109	95.0	75.2	112.8

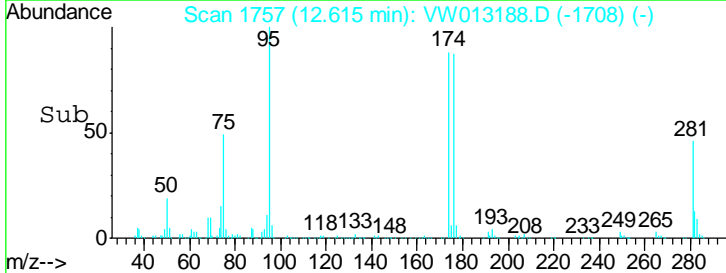
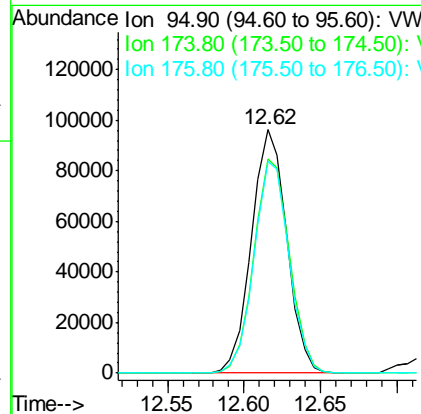
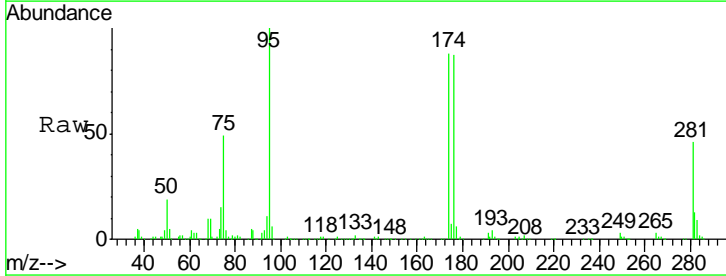
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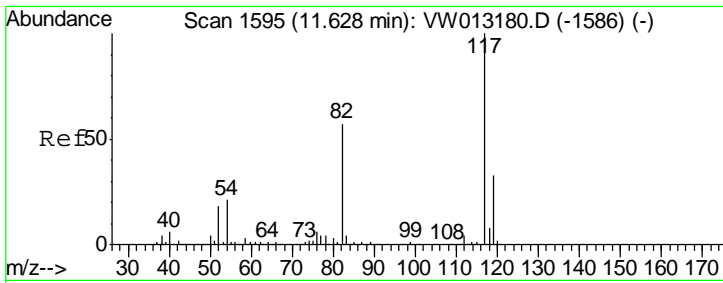
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#62
 4-Bromofluorobenzene
 Concen: 49.267 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
95	154263		
174	89.1	0.0	178.4
176	86.5	0.0	172.2



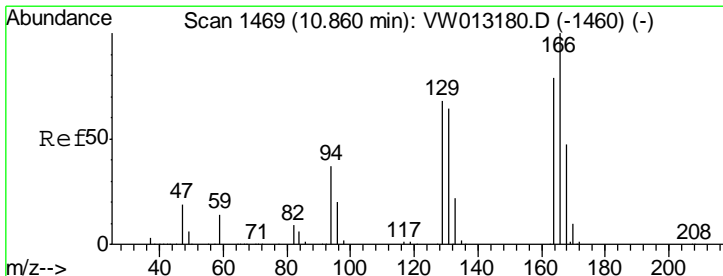
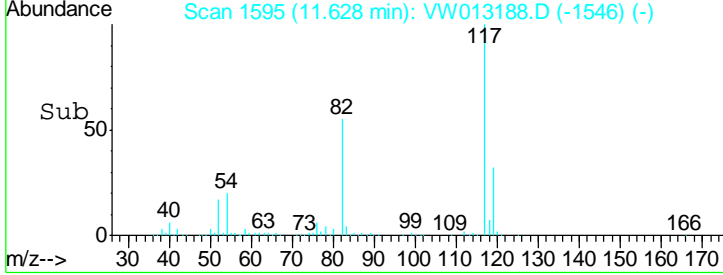
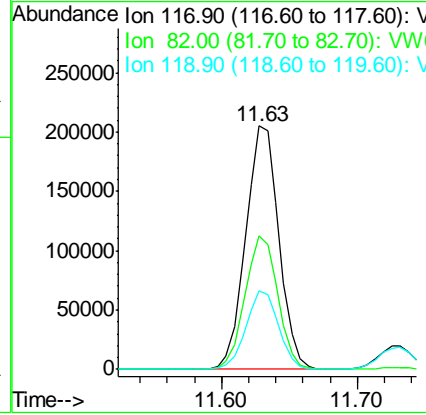
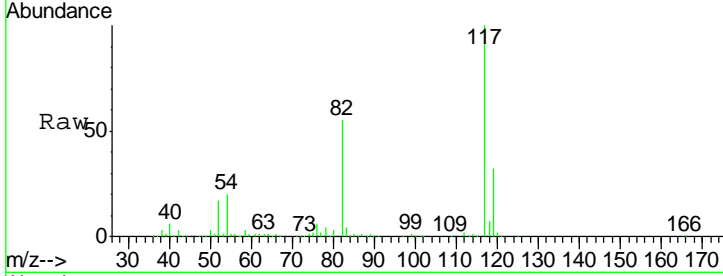


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBSD01

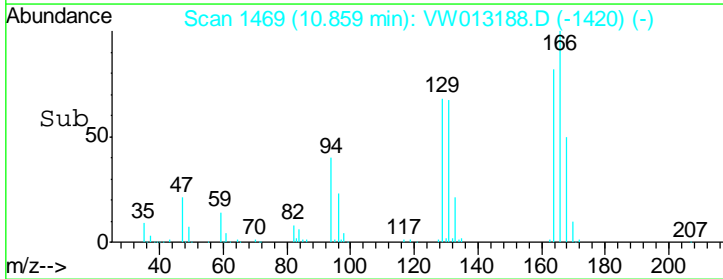
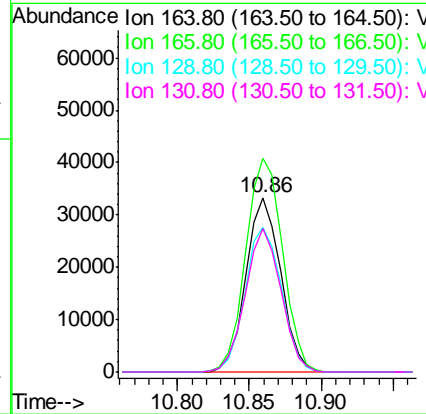
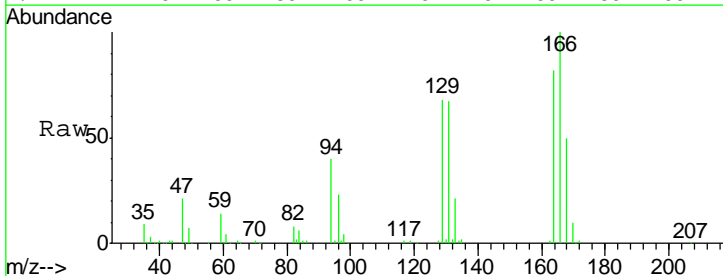
Tgt Ion	Resp	Lower	Upper
117	349748		
82	54.6	45.9	68.9
119	32.3	26.2	39.2

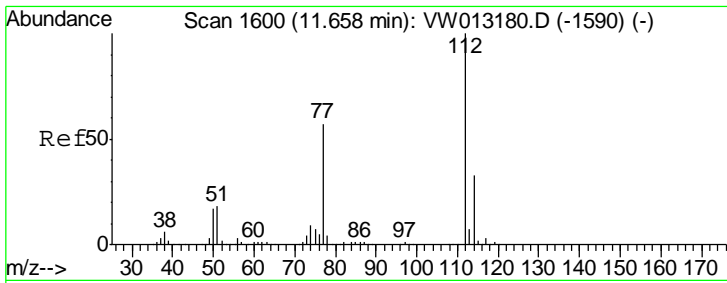
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#64
 Tetrachloroethene
 Concen: 20.864 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
164	55366		
166	122.5	101.2	151.8
129	82.7	68.8	103.2
131	81.9	65.2	97.8



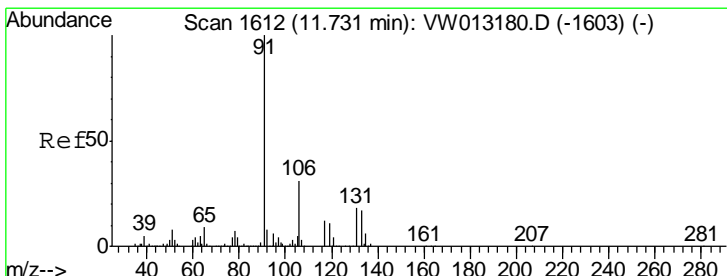
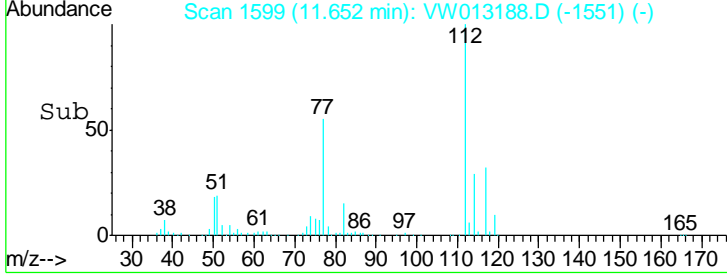
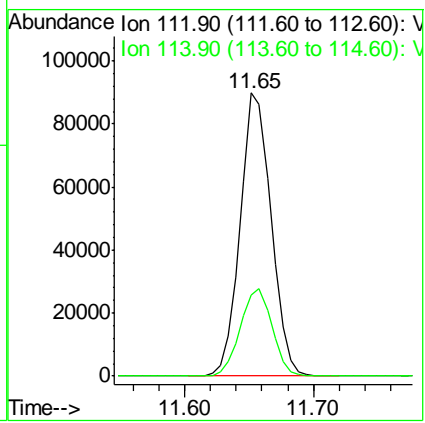
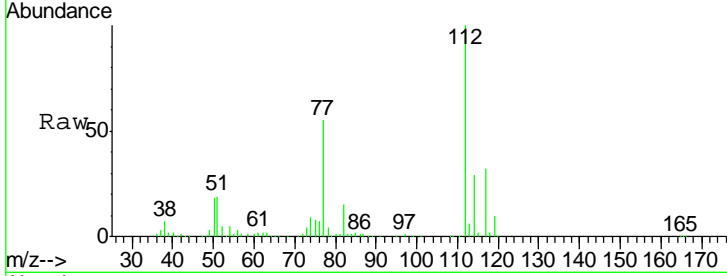


#65
 Chlorobenzene
 Concen: 20.430 ug/l
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

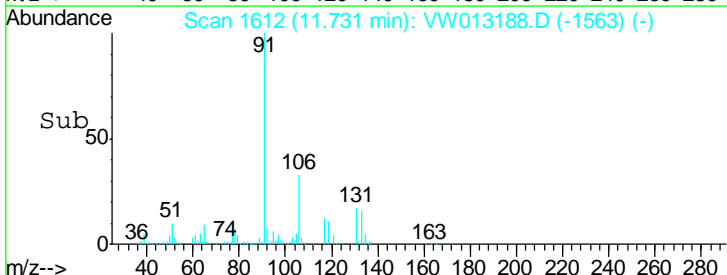
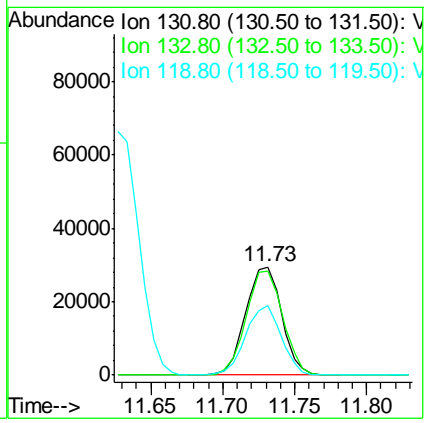
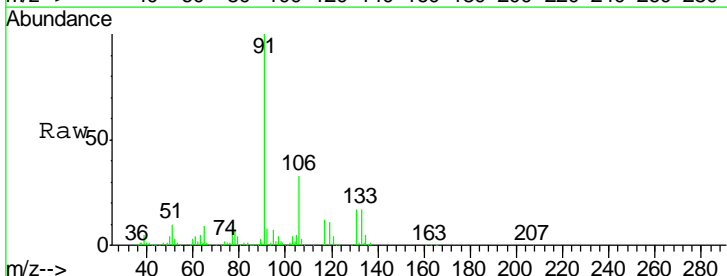
Tgt Ion	Resp	Lower	Upper
112	149211		
114	28.5	26.5	39.7

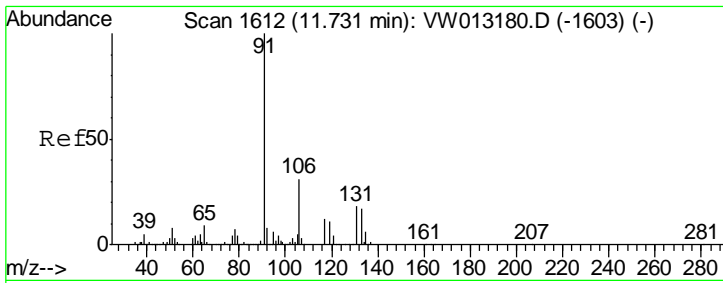
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 20.436 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
131	50989		
133	98.2	47.5	142.6
119	63.3	32.5	97.5



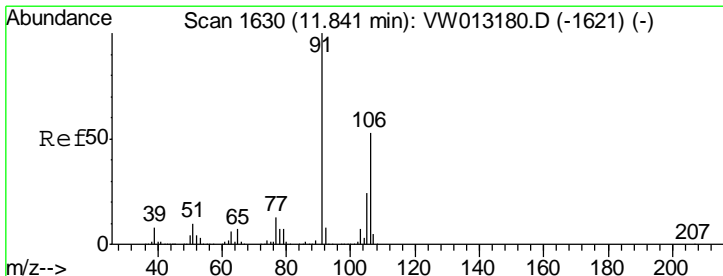
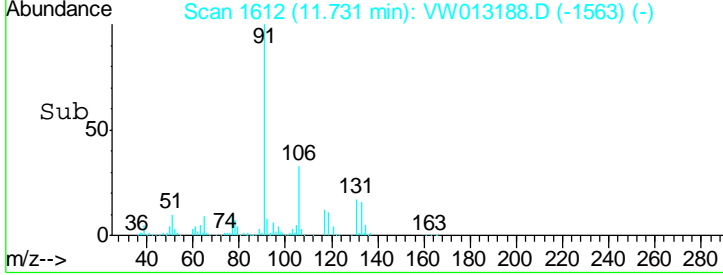
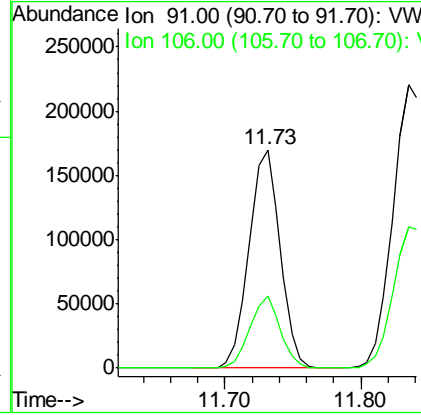
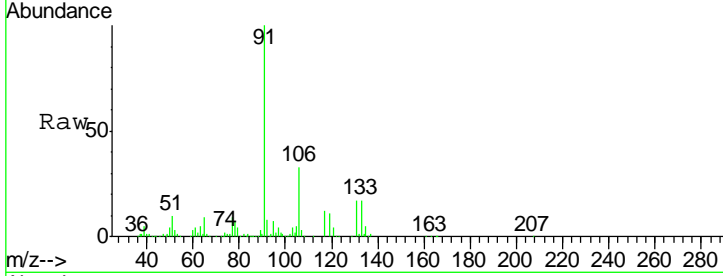


#67
 Ethyl Benzene
 Concen: 20.603 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01

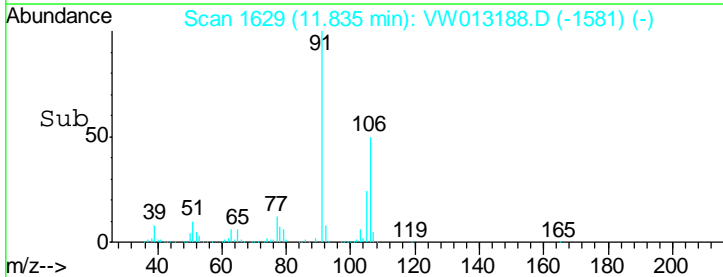
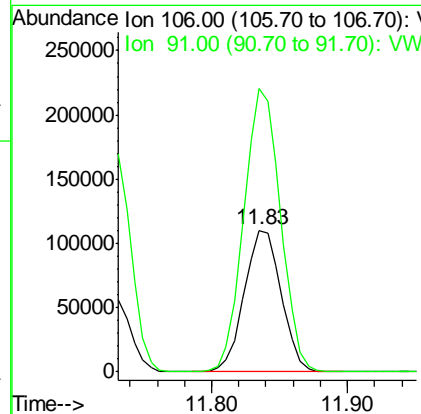
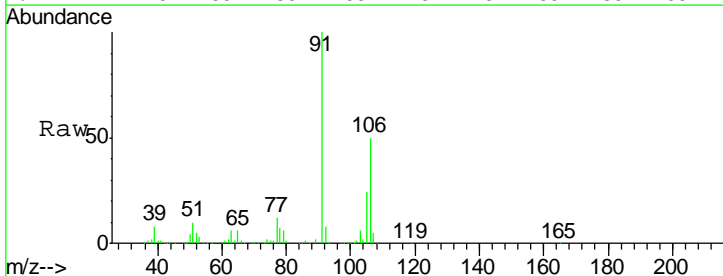
Tgt Ion	Resp	Lower	Upper
91	100		
106	33.0	24.9	37.3

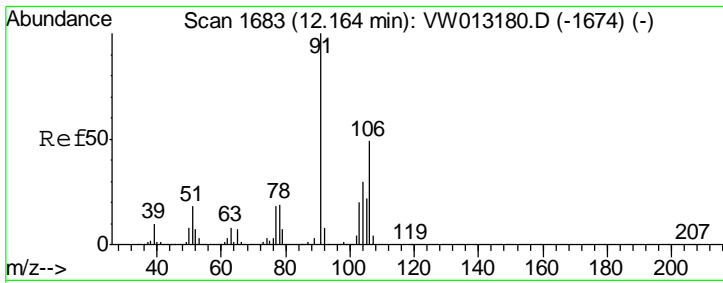
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#68
 m/p-Xylenes
 Concen: 41.514 ug/l
 RT: 11.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
106	100		
91	198.4	157.9	236.9



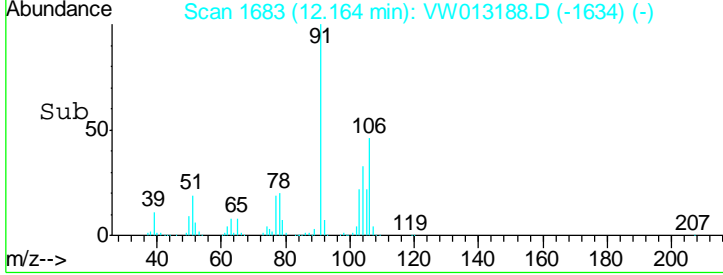
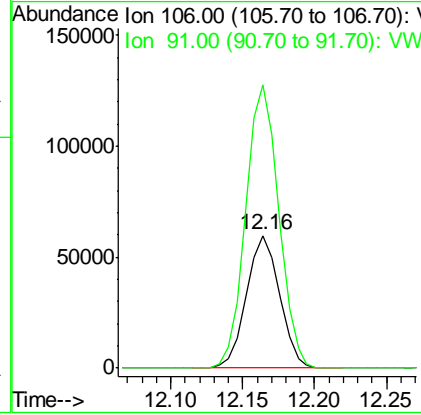
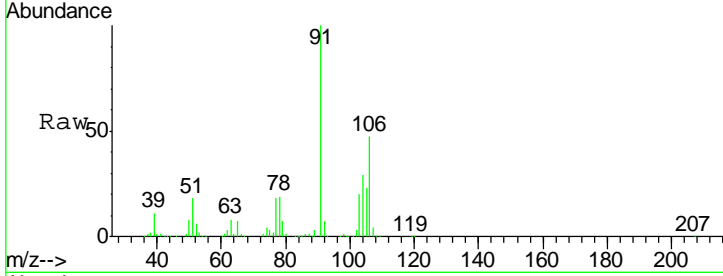


#69
 o-Xylene
 Concen: 20.291 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
Client Sampled :
 VW0920SBSD01

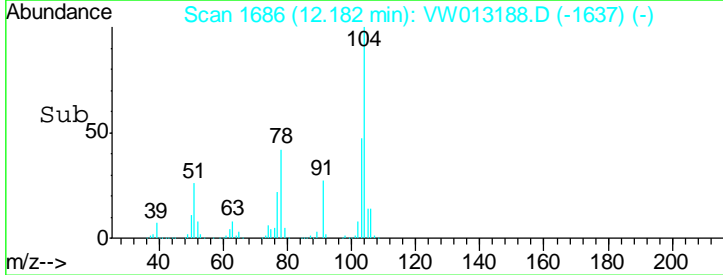
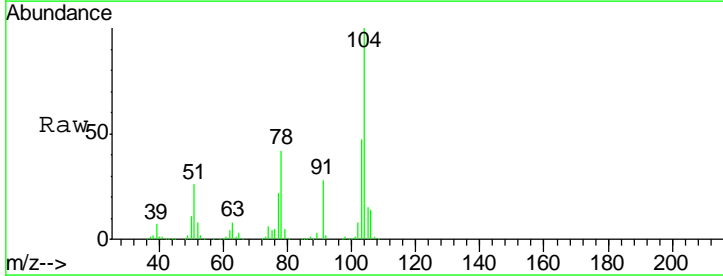
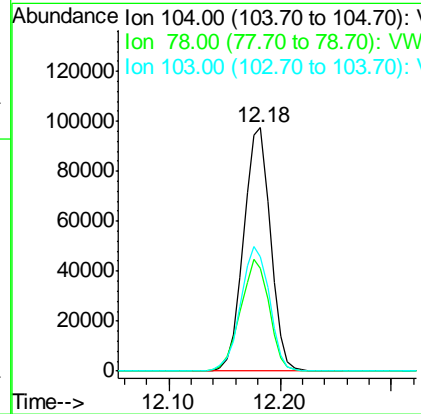
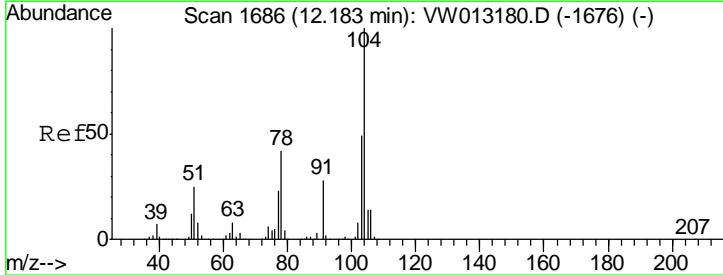
Tgt Ion	Resp	Lower	Upper
106	95129		
106	100		
91	213.1	106.5	319.5

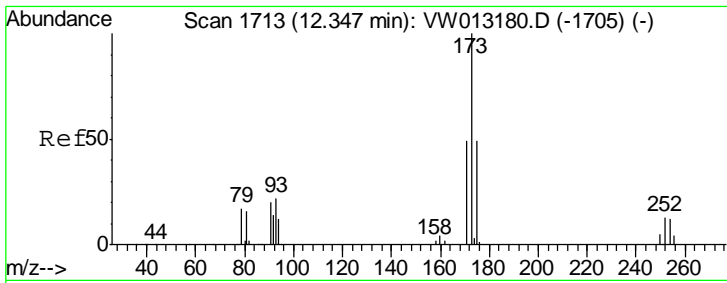
Manual Integrations
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#70
 Styrene
 Concen: 20.234 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

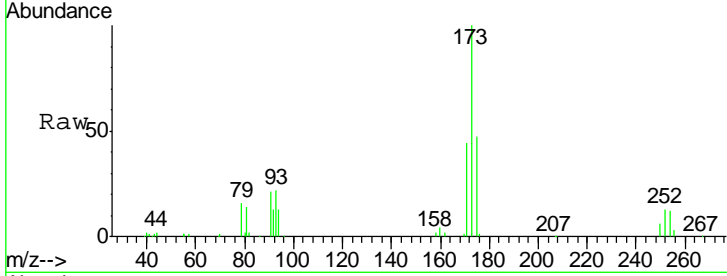
Tgt Ion	Resp	Lower	Upper
104	162862		
104	100		
78	49.1	38.4	57.6
103	54.7	43.3	64.9





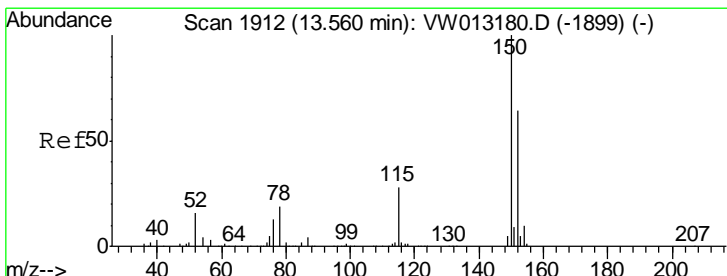
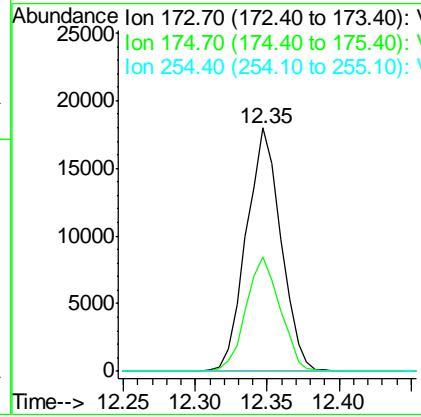
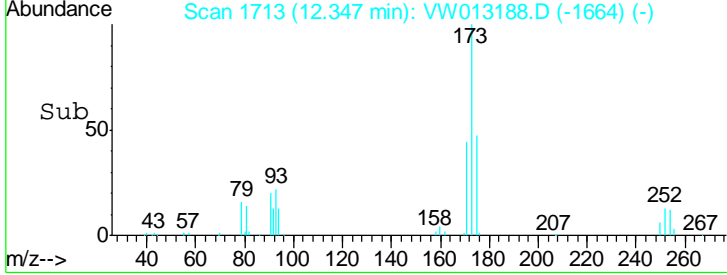
#71
 Bromoform
 Concen: 22.754 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

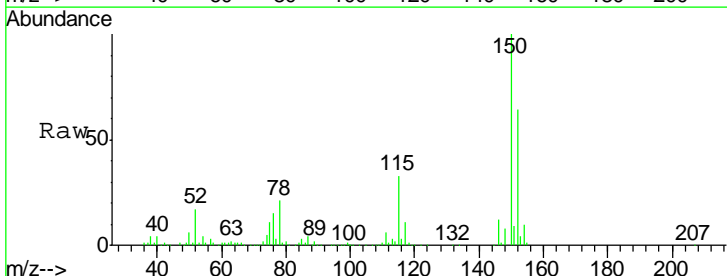


Tgt Ion	Resp	Lower	Upper
173	100		
175	46.1	24.3	73.0
254	0.0	0.1	0.1

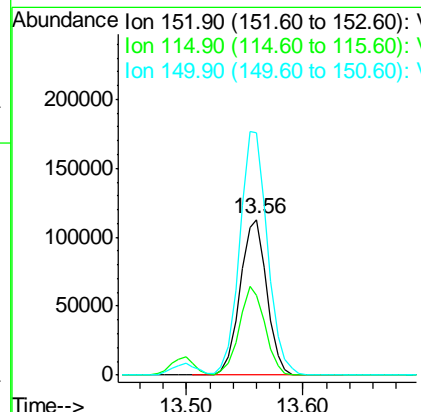
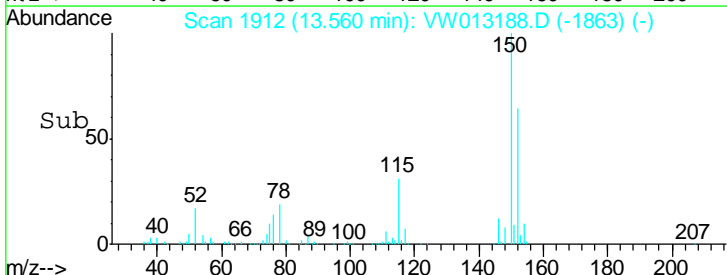
Manual Integrations
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 MMDadoda
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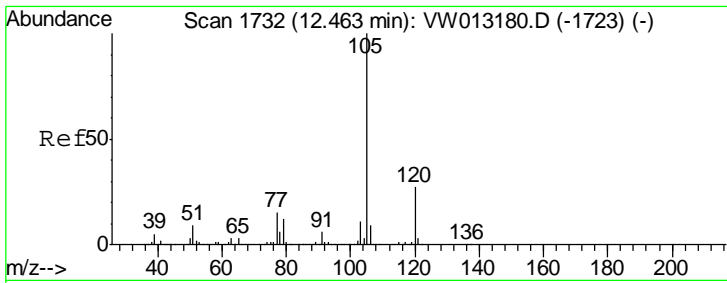


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



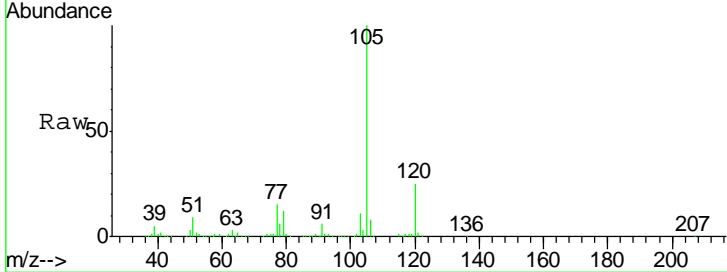
Tgt Ion	Resp	Lower	Upper
152	100		
115	55.2	27.3	81.9
150	163.5	0.0	349.0





#73
 Isopropylbenzene
 Concen: 20.620 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

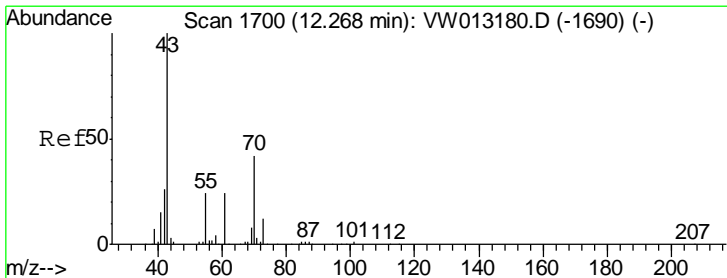
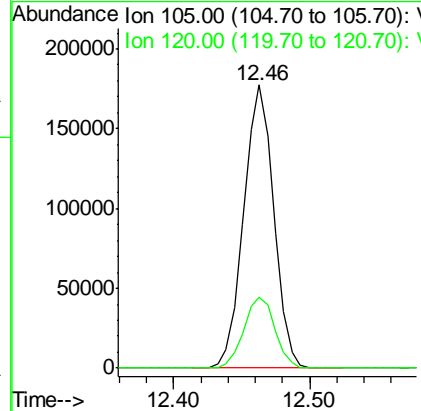
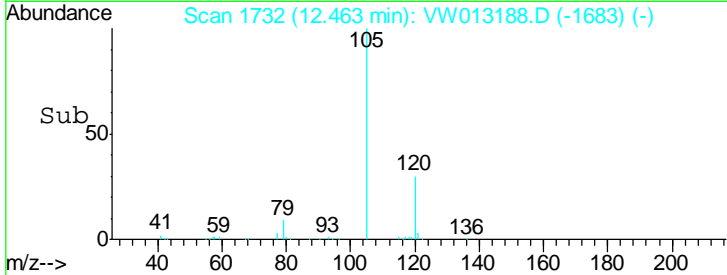
Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01



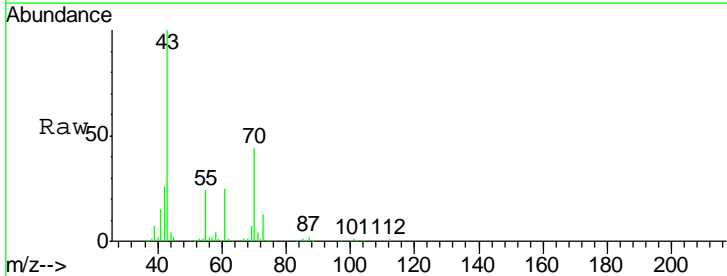
Tgt Ion: 105 Resp: 273322

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.4	40.1

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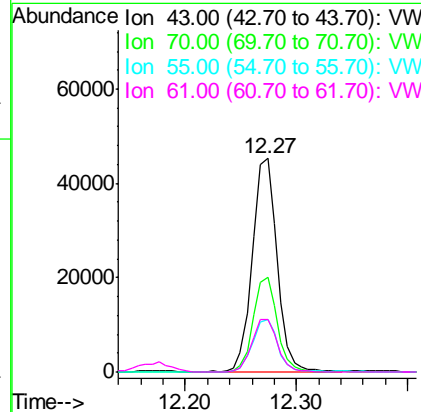
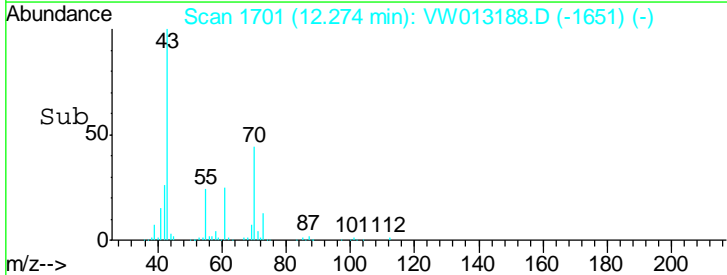


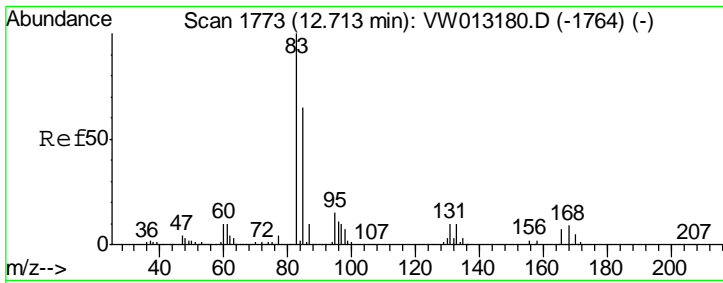
#74
 N-nyl acetate
 Concen: 23.977 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion: 43 Resp: 70525

Ion	Ratio	Lower	Upper
43	100		
70	43.1	35.1	52.7
55	24.9	19.9	29.9
61	25.1	19.5	29.3



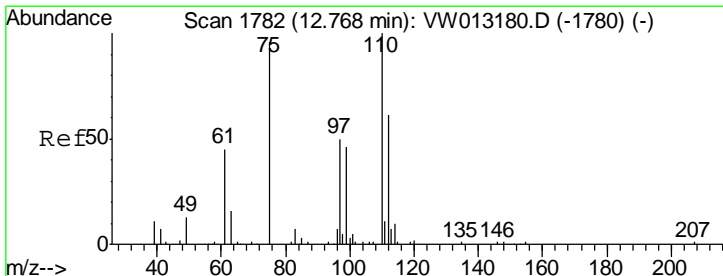
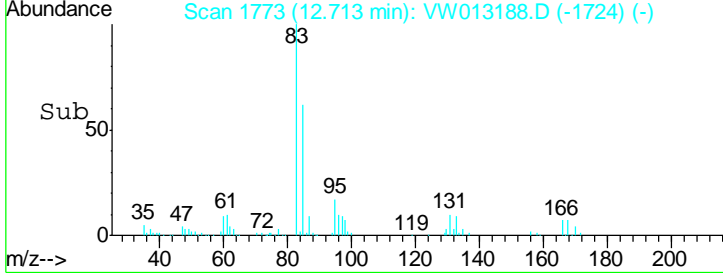
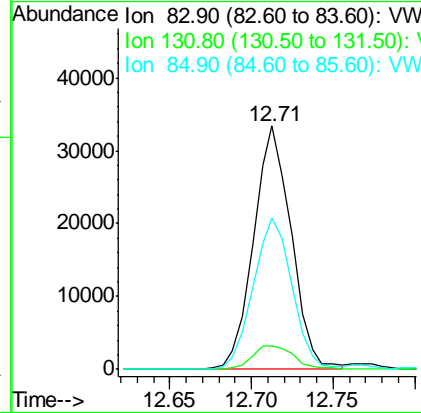
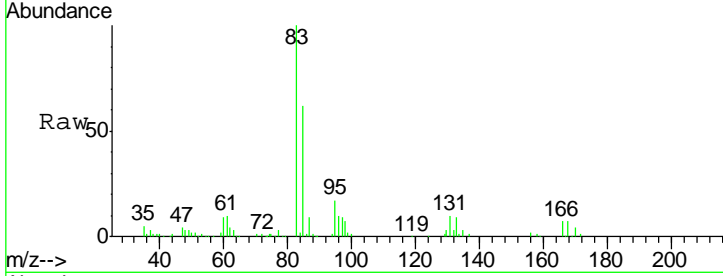


#75
 1,1,2,2-Tetrachloroethane
 Concen: 24.165 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

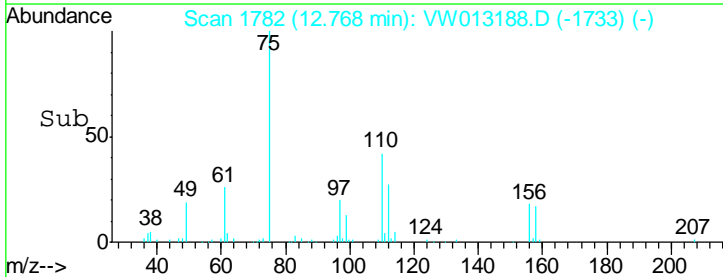
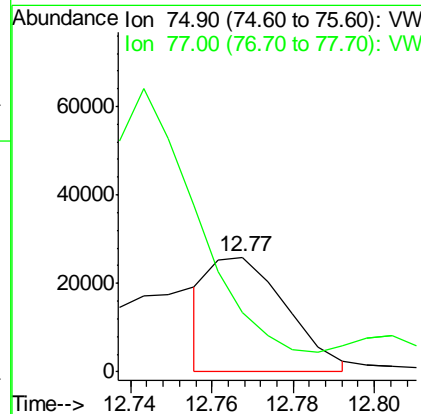
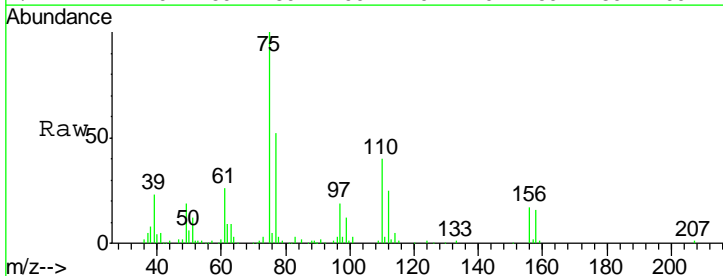
Tgt Ion	Resp	Lower	Upper
83	53571		
83	100		
131	10.8	5.4	16.2
85	63.8	31.9	95.9

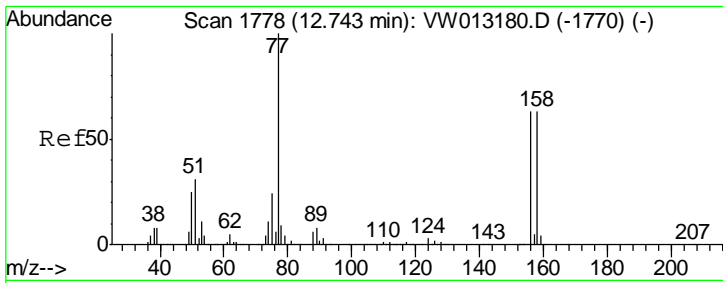
Manual Integrations
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#76
 1,2,3-Trichloropropane
 Concen: 21.418 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
75	33941		
75	100		
77	0.0	0.0	0.0



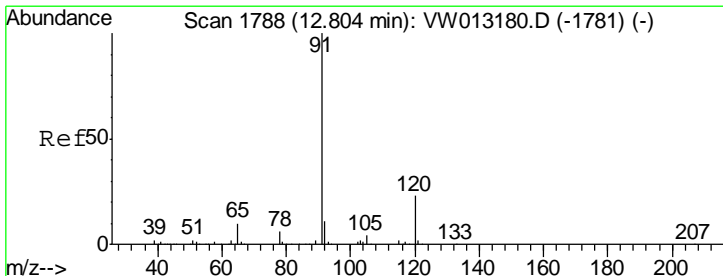
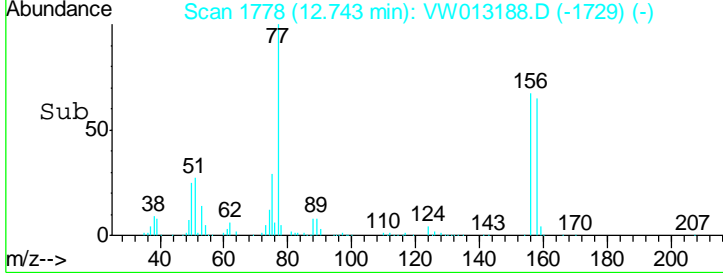
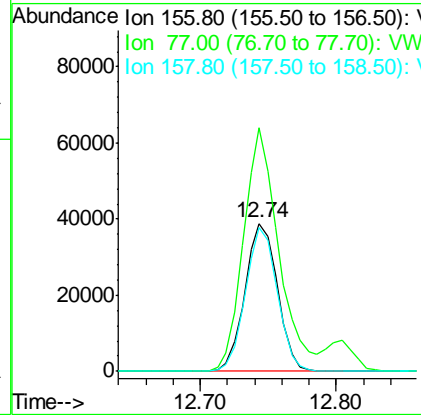
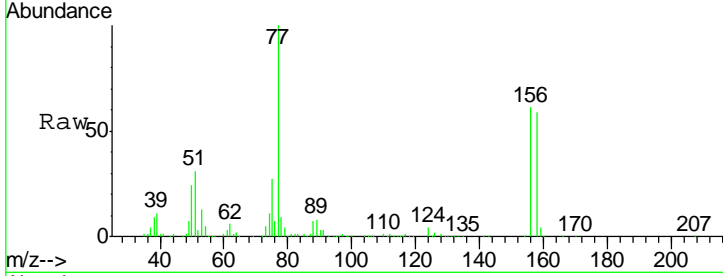


#77
 Bromobenzene
 Concen: 20.756 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

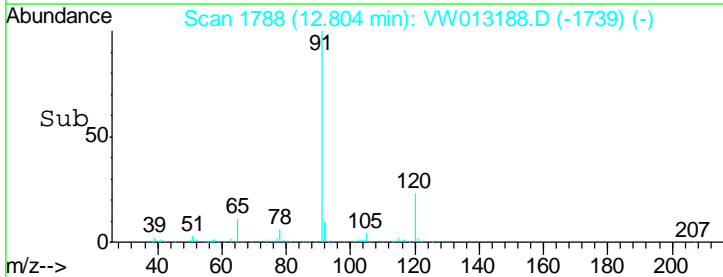
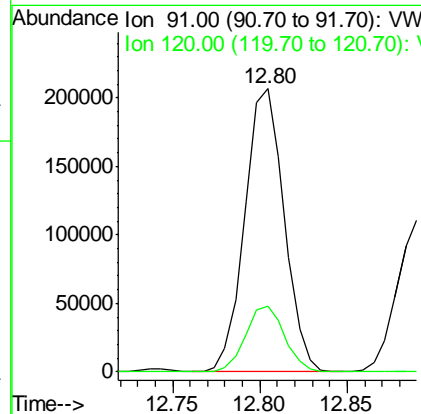
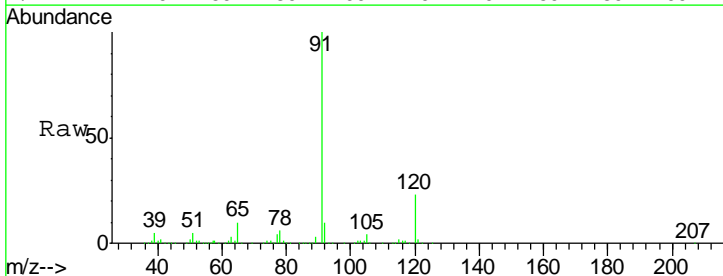
Tgt Ion	Resp	Lower	Upper
156	100		
77	176.8	85.7	257.1
158	95.1	48.1	144.4

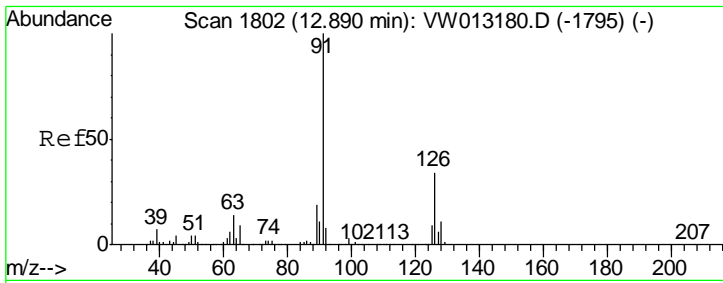
Manual Integrations
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#78
 n-propylbenzene
 Concen: 20.734 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.1	11.7	35.1





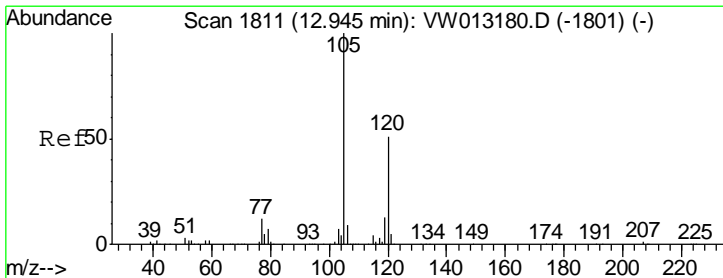
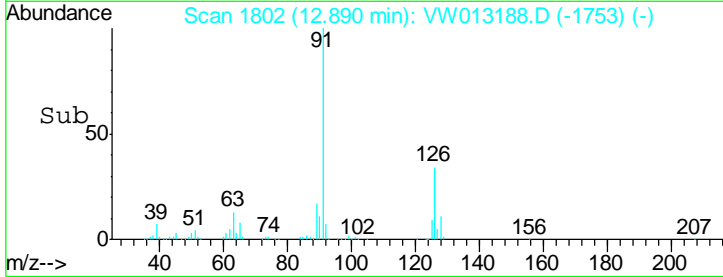
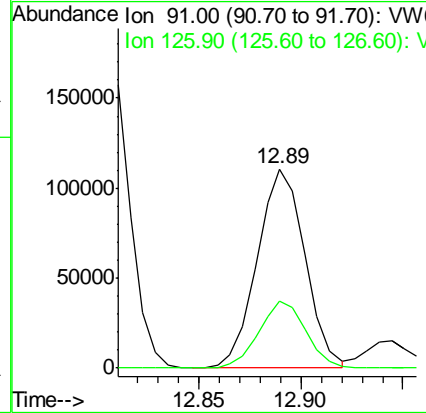
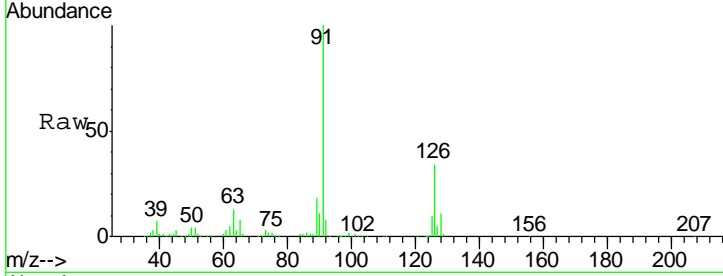
#79
 2-Chlorotoluene
 Concen: 20.589 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01

Tgt Ion	Resp	Lower	Upper
91	178971	100	
126	33.4	17.2	51.5

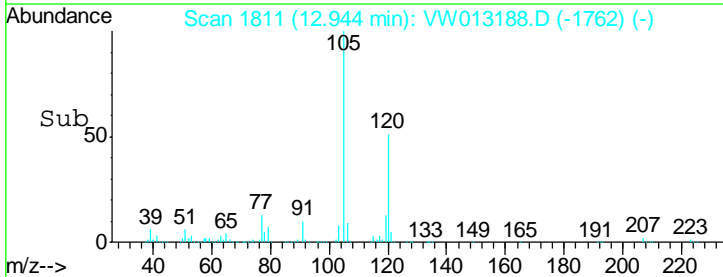
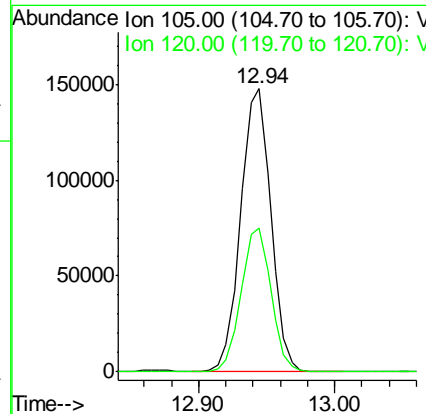
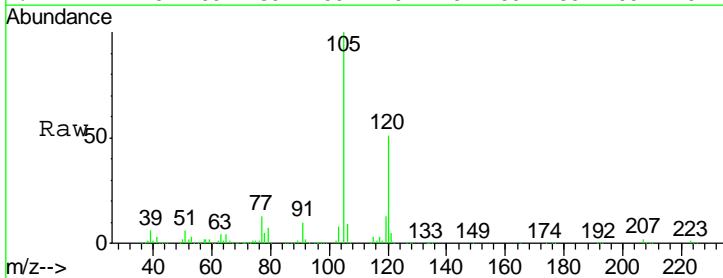
Manual Integrations
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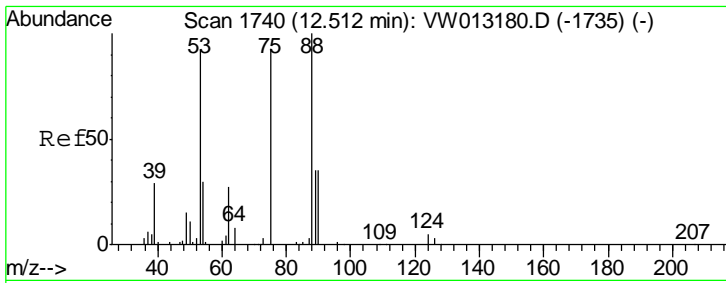
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.575 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
105	229259	100	
120	50.3	24.9	74.8



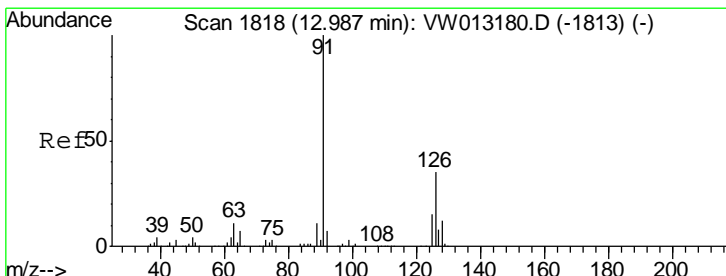
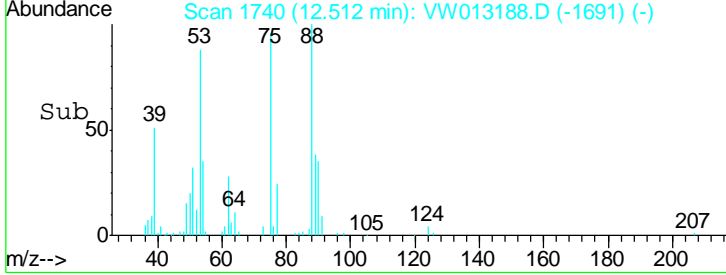
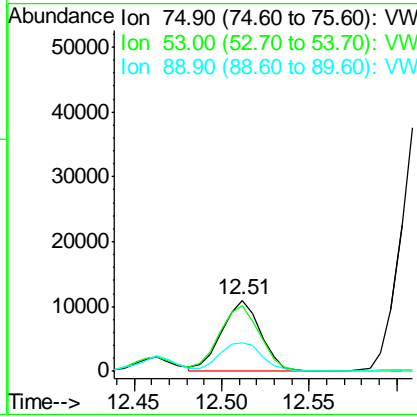
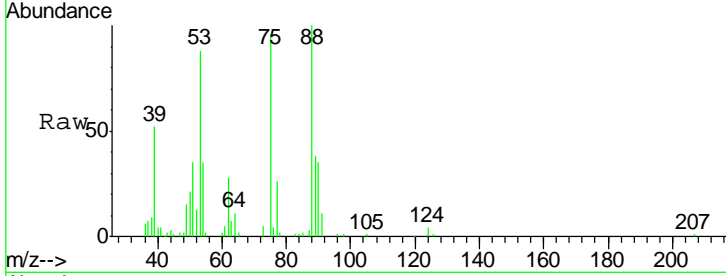


#81
 trans-1,4-Dichloro-2-butene
 Concen: 24.211 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01

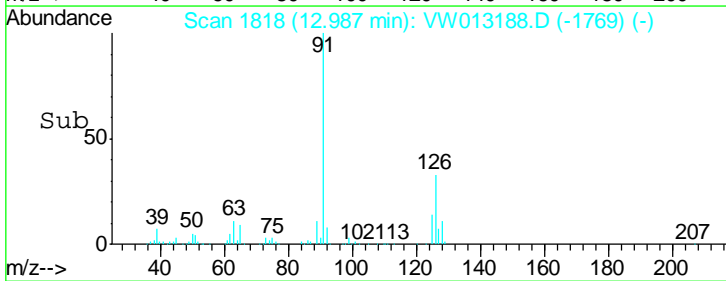
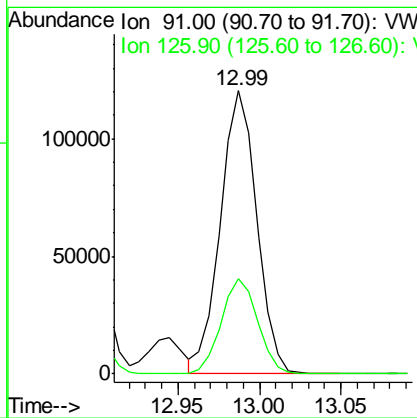
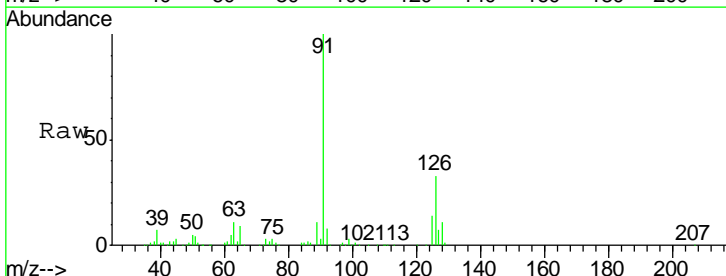
Tgt Ion	Resp	Lower	Upper
75	17098		
75	100		
53	96.1	76.6	114.8
89	43.8	33.5	50.3

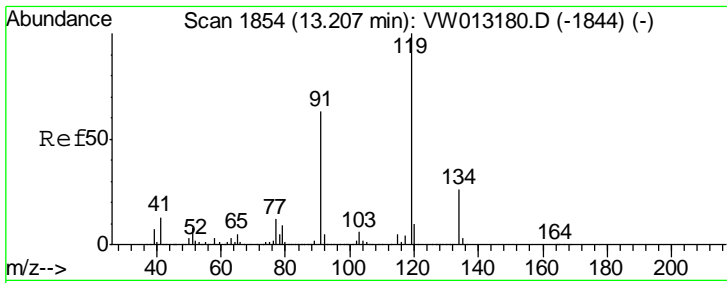
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#82
 4-Chlorotoluene
 Concen: 20.367 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

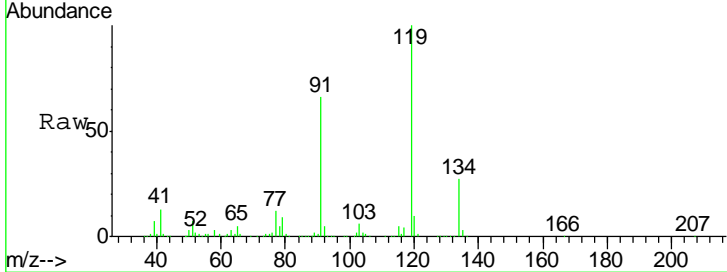
Tgt Ion	Resp	Lower	Upper
91	186697		
91	100		
126	33.8	17.3	51.7





#83
 tert-Butylbenzene
 Concen: 20.575 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

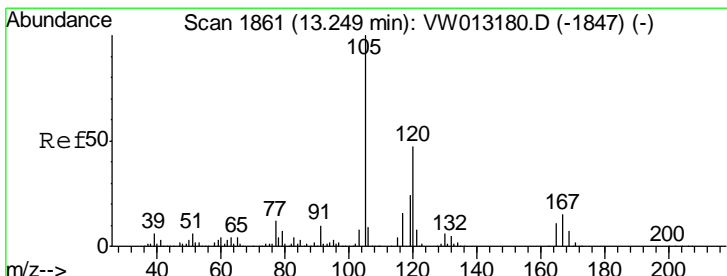
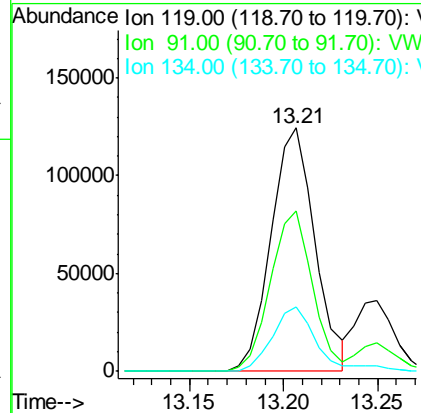
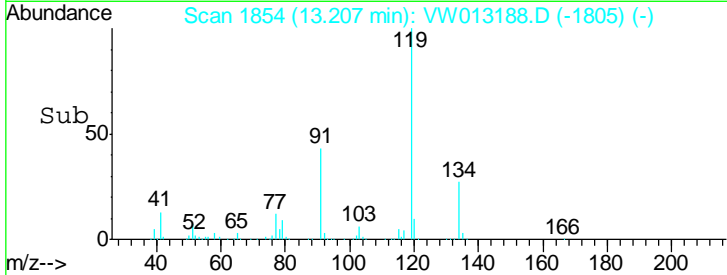
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01



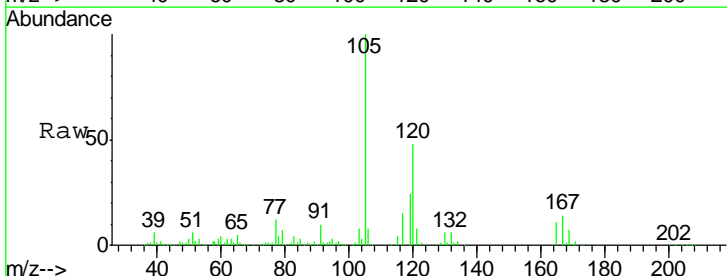
Tgt Ion: 119 Resp: 201220

Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.7	92.1
134	27.3	12.6	37.6

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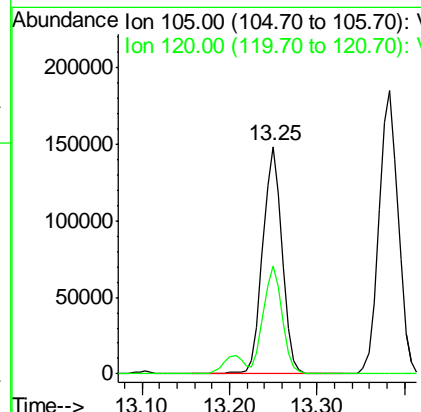
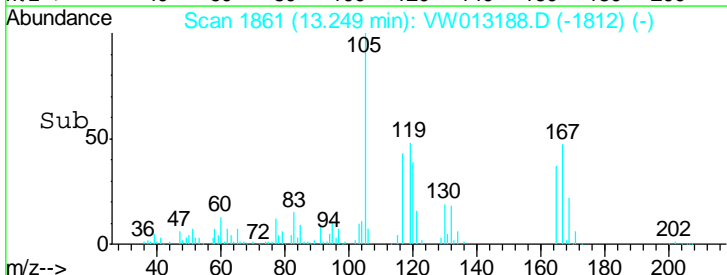


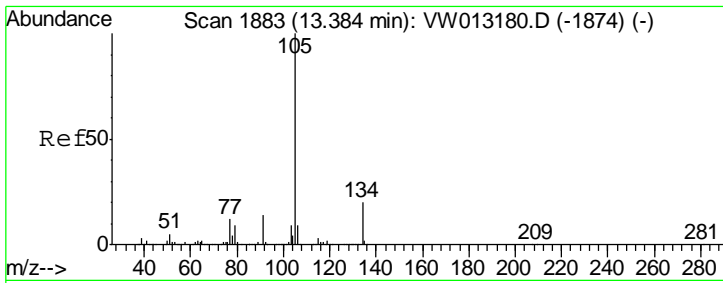
#84
 1,2,4-Trimethylbenzene
 Concen: 20.602 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion: 105 Resp: 228435

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.4	70.3



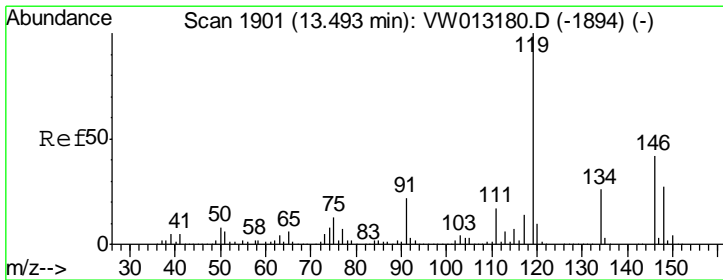
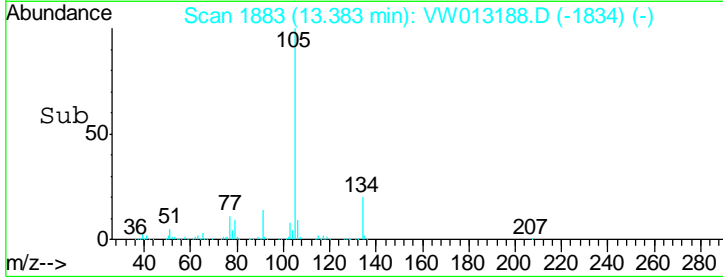
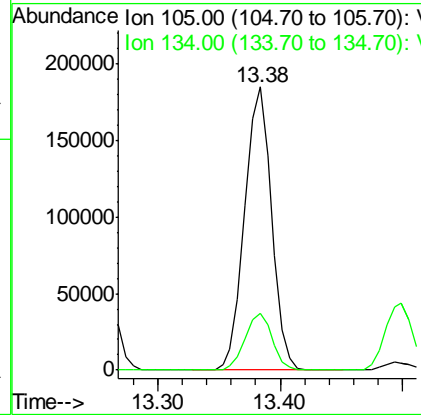
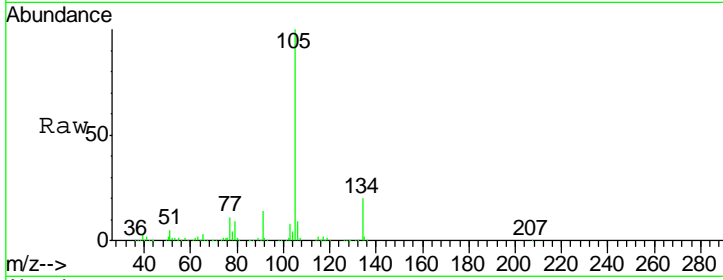


#85
 sec-Butylbenzene
 Concen: 20.944 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01

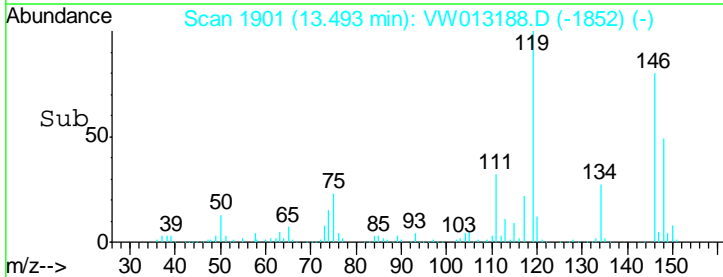
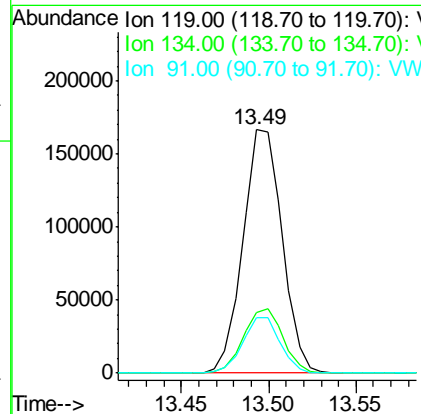
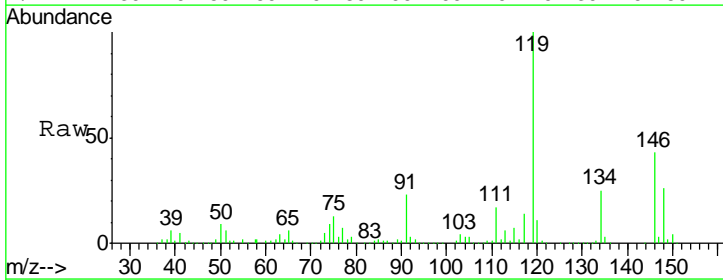
Tgt Ion	Resp	Lower	Upper
105	282389		
134	20.4	10.3	30.8

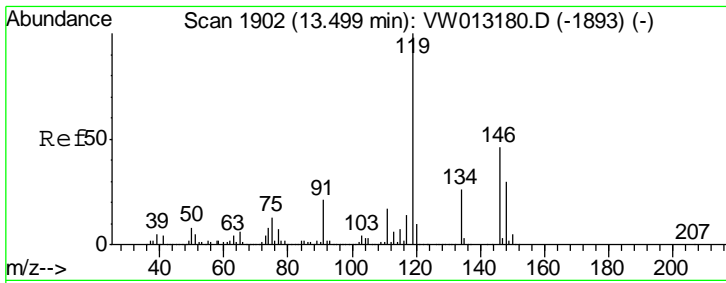
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#86
 p-Isopropyltoluene
 Concen: 20.636 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

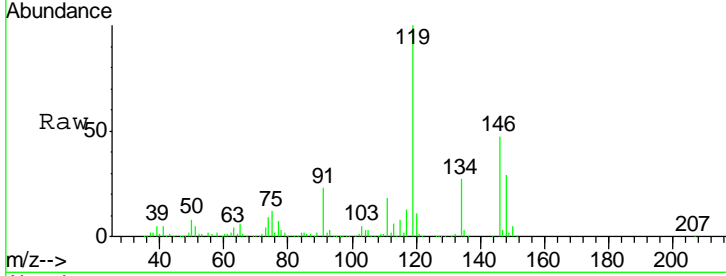
Tgt Ion	Resp	Lower	Upper
119	258069		
134	26.5	13.3	39.8
91	22.1	10.8	32.4





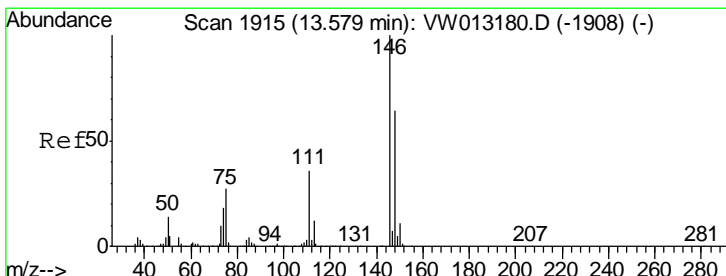
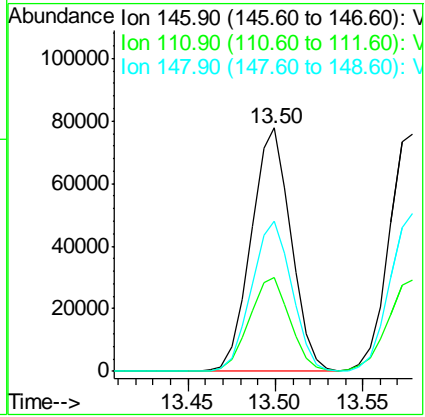
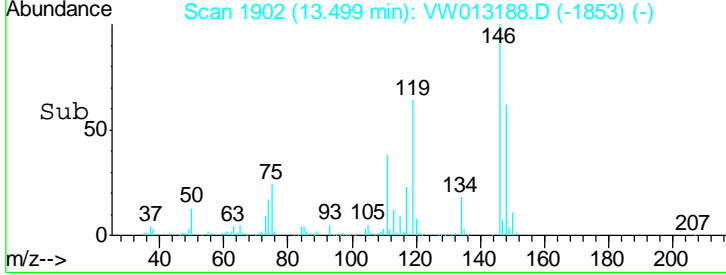
#87
 1,3-Dichlorobenzene
 Concen: 20.329 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01

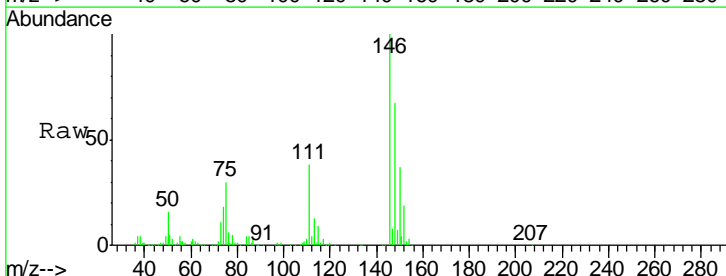


Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.9	56.9
148	62.6	31.9	95.5

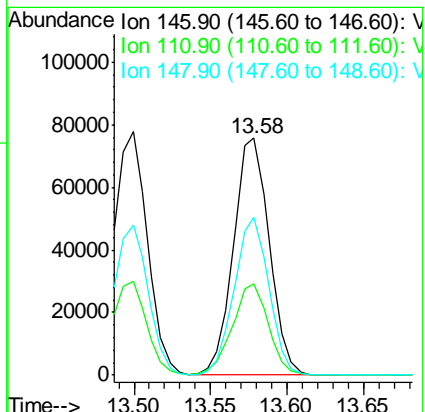
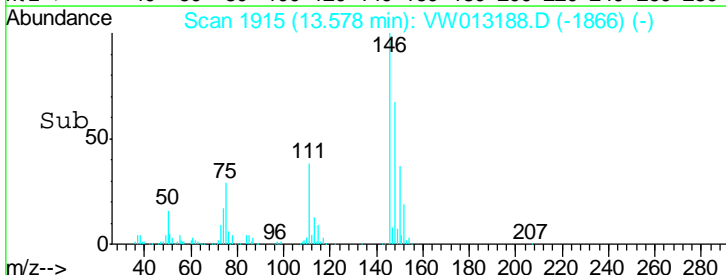
Manual Integrations
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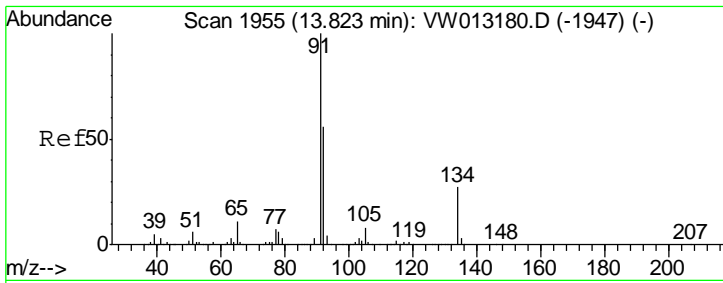


#88
 1,4-Dichlorobenzene
 Concen: 20.663 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.4	55.0
148	64.7	32.1	96.3





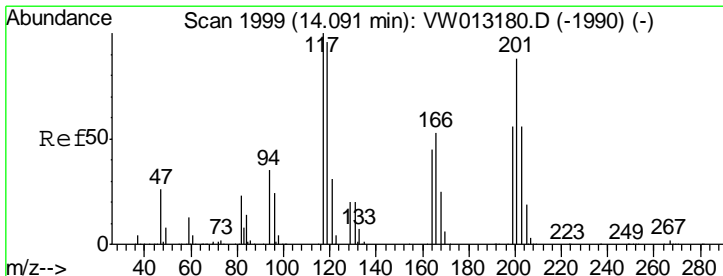
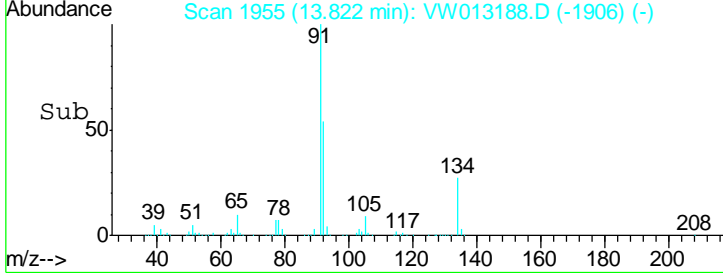
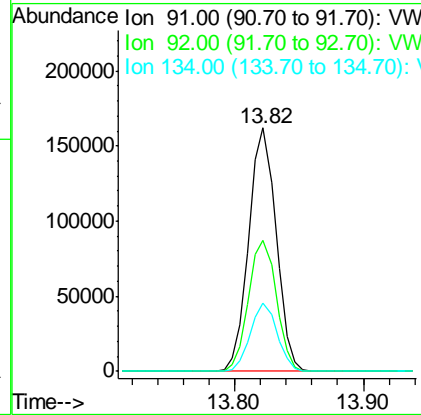
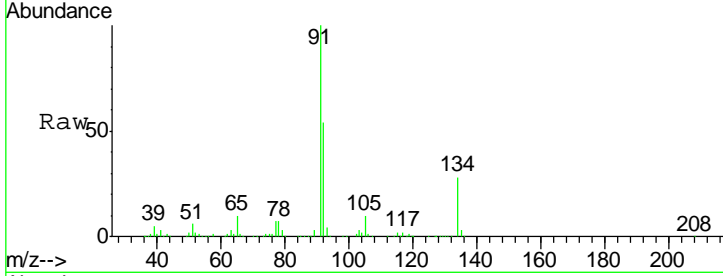
#89
 n-Butylbenzene
 Concen: 20.787 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument : MSVOA_W
 Client Sampled : VW0920SBSD01

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.1	27.6	82.8
134	27.6	13.7	41.1

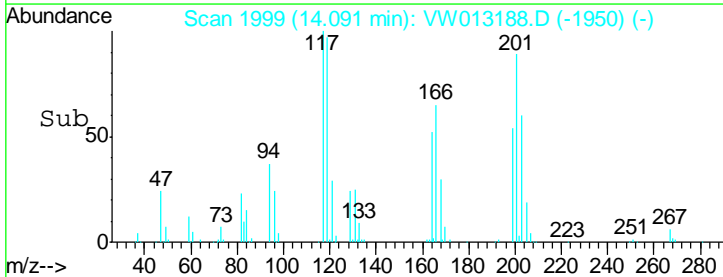
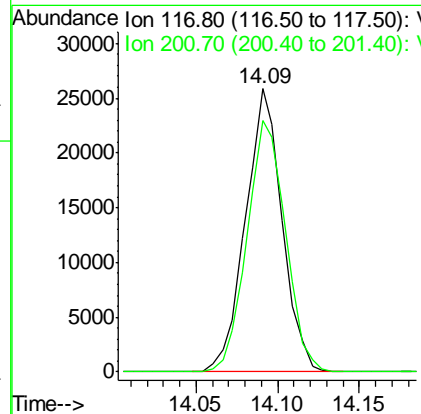
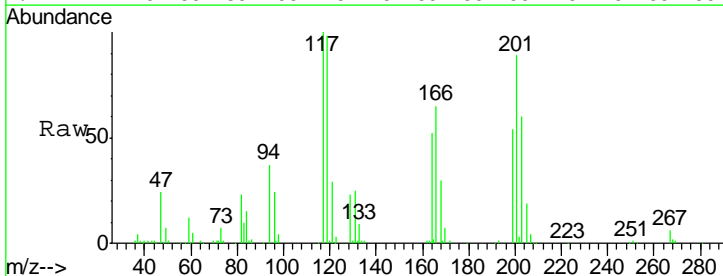
Manual Integrations
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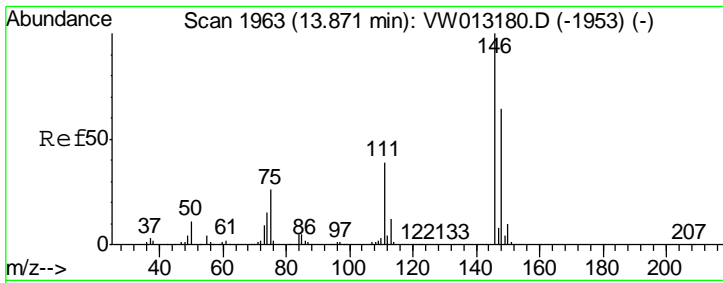
MMDadoda
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#90
 Hexachloroethane
 Concen: 19.197 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
117	100		
201	93.1	44.5	133.5



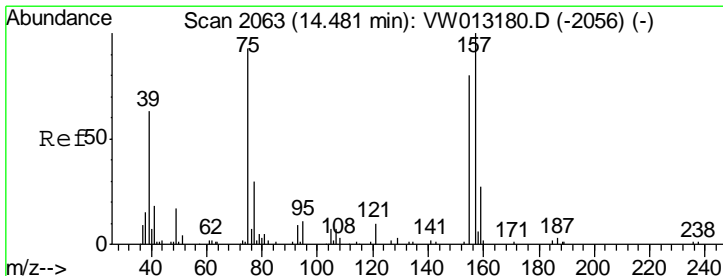
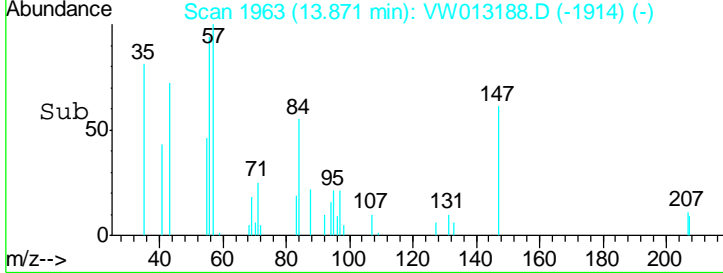
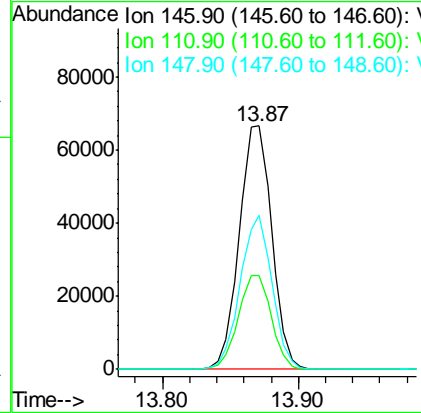
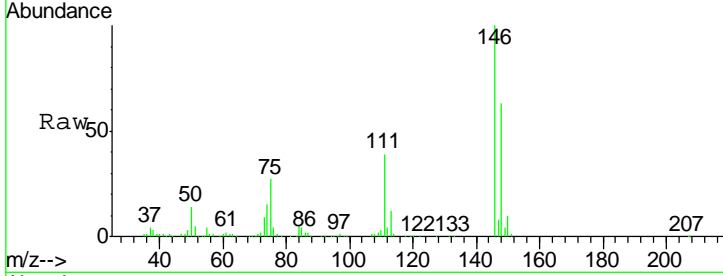


#91
 1,2-Dichlorobenzene
 Concen: 21.315 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBSD01

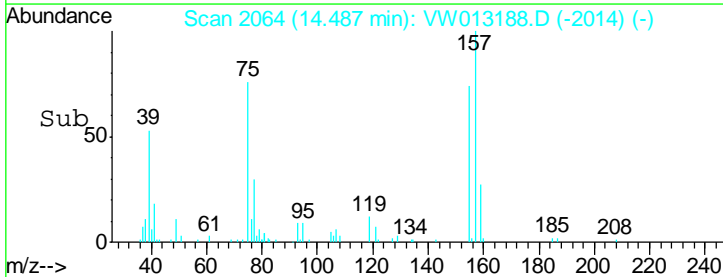
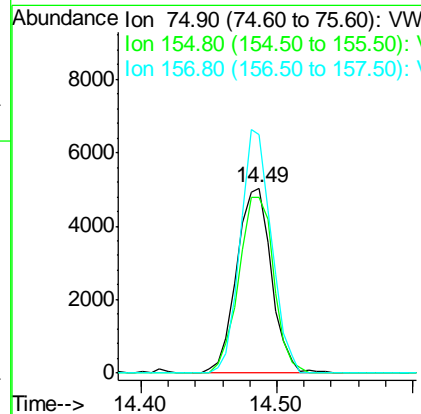
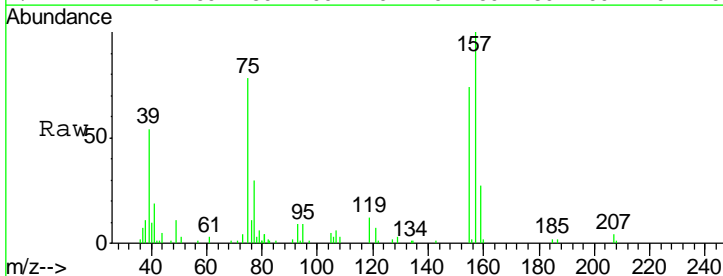
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.2	20.1	60.3
148	61.7	32.0	96.0

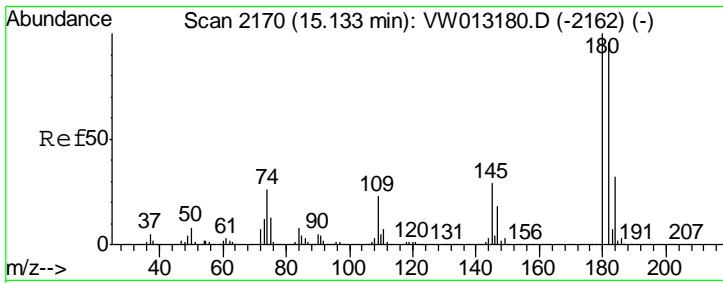
Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.528 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

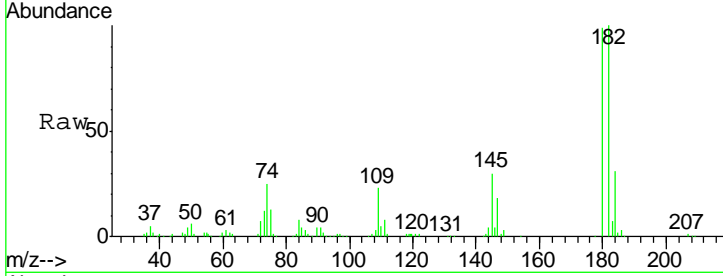
Tgt Ion	Resp	Lower	Upper
75	100		
155	95.6	46.1	138.3
157	117.4	60.4	181.2





#93
 1,2,4-Trichlorobenzene
 Concen: 20.859 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

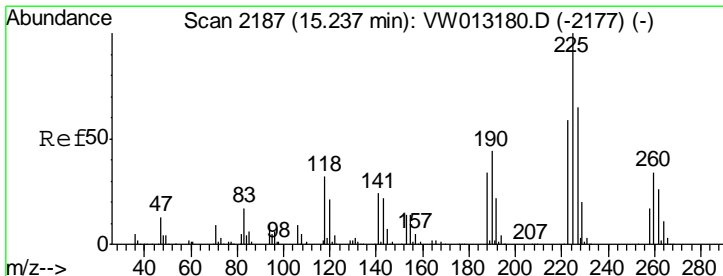
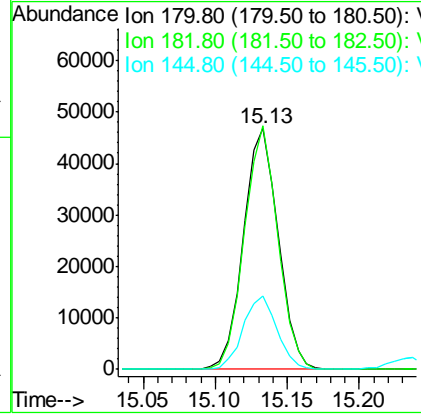
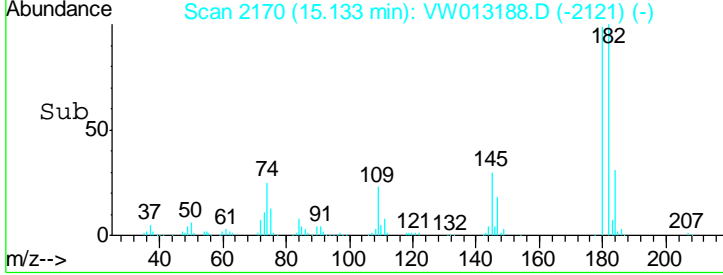
Instrument : MSVOA_W
 ClientSampled : VW0920SBSD01



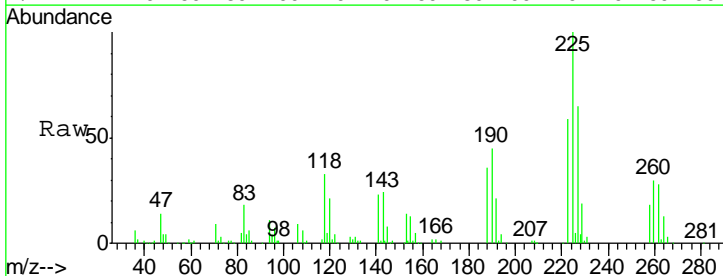
Tgt Ion: 180 Resp: 78174

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.3	142.0
145	29.7	14.2	42.8

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:55 AM

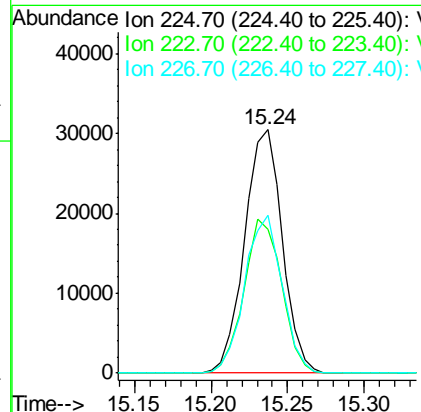
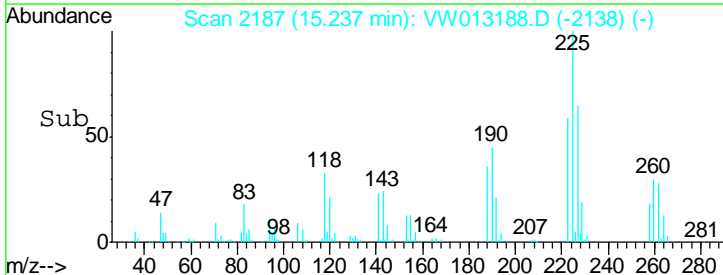


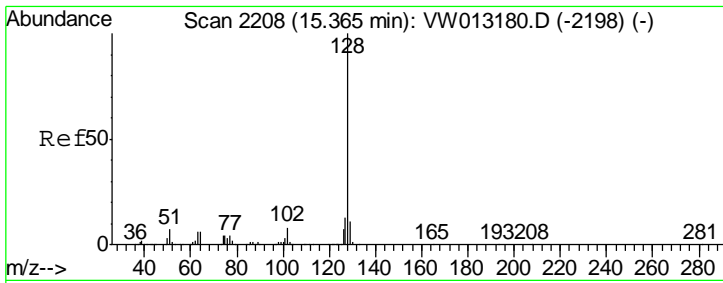
#94
 Hexachlorobutadiene
 Concen: 20.339 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59



Tgt Ion: 225 Resp: 52148

Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.6	91.8
227	64.2	31.9	95.9



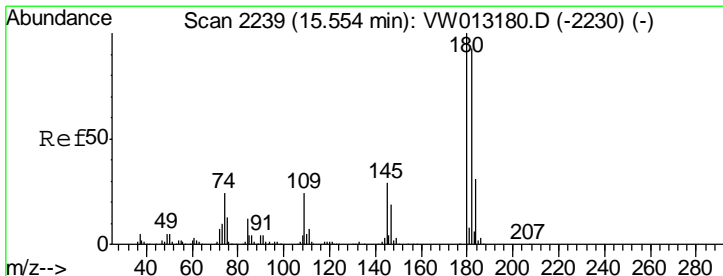
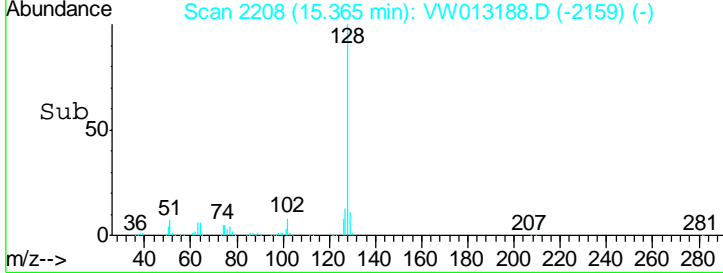
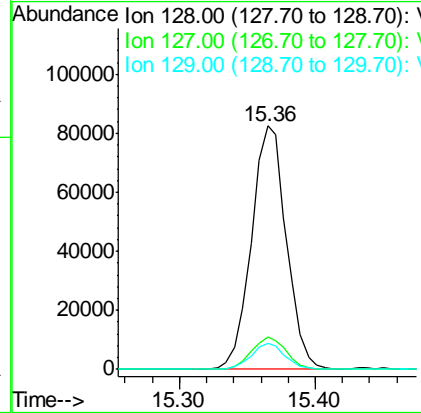
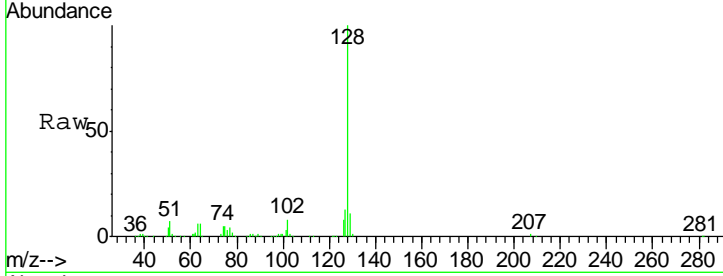


#95
 Naphthalene
 Concen: 24.176 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBSD01

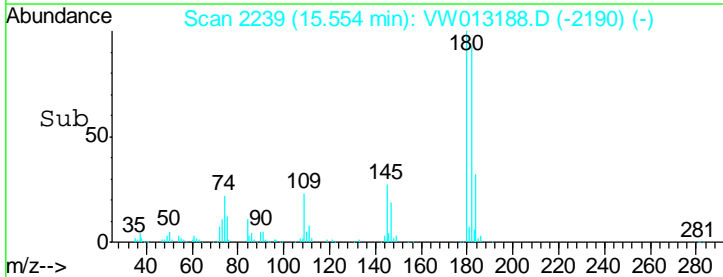
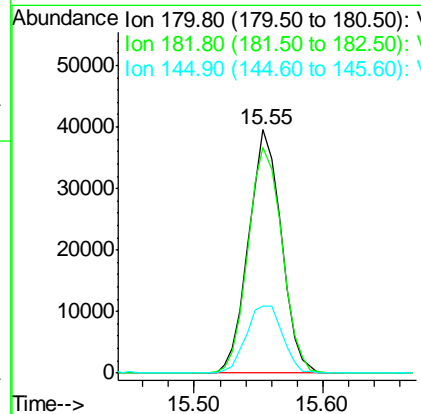
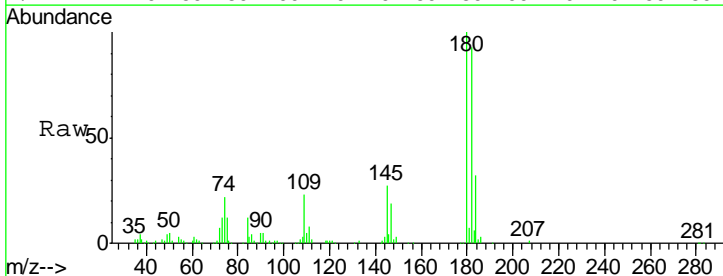
Tgt Ion	Resp	Lower	Upper
128	148186		
127	13.0	10.6	15.8
129	10.5	8.7	13.1

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:55 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 21.377 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013188.D
 Acq: 20 Sep 2019 17:59

Tgt Ion	Resp	Lower	Upper
180	69225		
182	96.6	47.9	143.7
145	30.8	15.0	45.0



Manual Integration Report

Sequence:	VW092019	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VW013177.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:33 AM	MMDadoda	9/24/2019 5:28:40 AM	Peak Integrated by Software incorrectly
VSTDIC005	VW013177.D	Tert butyl alcohol	Vimala	9/23/2019 9:22:33 AM	MMDadoda	9/24/2019 5:28:40 AM	Peak Integrated by Software incorrectly
VSTDIC010	VW013178.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:37 AM	MMDadoda	9/24/2019 5:28:42 AM	Peak Integrated by Software incorrectly
VSTDIC010	VW013178.D	Tert butyl alcohol	Vimala	9/23/2019 9:22:37 AM	MMDadoda	9/24/2019 5:28:42 AM	Peak Integrated by Software incorrectly
VSTDIC020	VW013179.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:40 AM	MMDadoda	9/24/2019 5:28:43 AM	Peak Integrated by Software incorrectly
VSTDIC020	VW013179.D	Tert butyl alcohol	Vimala	9/23/2019 9:22:40 AM	MMDadoda	9/24/2019 5:28:43 AM	Peak Integrated by Software incorrectly
VSTDIC050	VW013180.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:12 AM	MMDadoda	9/24/2019 5:28:45 AM	Peak Integrated by Software incorrectly
VSTDIC100	VW013181.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:43 AM	MMDadoda	9/24/2019 5:28:48 AM	Peak Integrated by Software incorrectly
VSTDIC100	VW013181.D	Tert butyl alcohol	Vimala	9/23/2019 9:22:43 AM	MMDadoda	9/24/2019 5:28:48 AM	Peak Integrated by Software incorrectly
VSTDIC150	VW013182.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:15 AM	MMDadoda	9/24/2019 5:28:49 AM	Peak Integrated by Software incorrectly
VSTDICV050	VW013183.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:46 AM	MMDadoda	9/24/2019 5:28:51 AM	Peak Integrated by Software incorrectly
VW0920SBS01	VW013187.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:52 AM	MMDadoda	9/24/2019 5:28:53 AM	Peak Integrated by Software incorrectly
VW0920SBS01	VW013187.D	Tert butyl alcohol	Vimala	9/23/2019 9:22:52 AM	MMDadoda	9/24/2019 5:28:53 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:

VW092019

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VW0920SBSD0 1	VW013188.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:18 AM	MMDadoda	9/24/2019 5:28:55 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VW013195.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:48 AM	MMDadoda	9/24/2019 5:28:57 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VW013197.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:54 AM	MMDadoda	9/24/2019 5:28:58 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VW013219.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:40 AM	MMDadoda	9/24/2019 5:29:25 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VX091719	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX012428.D	1,2,3-Trichloropropane	john	9/18/2019 9:14:44 AM	MMDadoda	9/18/2019 11:22:02 AM	Peak Integrated by Software incorrectly
VSTDICC001	VX012428.D	1,4-Dichlorobenzene	john	9/18/2019 9:14:44 AM	MMDadoda	9/18/2019 11:22:02 AM	Peak Integrated by Software incorrectly
VSTDICC005	VX012429.D	1,2,3-Trichloropropane	john	9/18/2019 9:14:49 AM	MMDadoda	9/18/2019 11:22:05 AM	Peak Integrated by Software incorrectly
VSTDICC020	VX012430.D	1,2,3-Trichloropropane	john	9/18/2019 9:14:53 AM	MMDadoda	9/18/2019 11:22:09 AM	Peak Integrated by Software incorrectly
VSTDICCC050	VX012431.D	1,2,3-Trichloropropane	john	9/18/2019 9:14:57 AM	MMDadoda	9/18/2019 11:22:13 AM	Peak Integrated by Software incorrectly
VSTDICC100	VX012432.D	1,2,3-Trichloropropane	john	9/18/2019 9:15:02 AM	MMDadoda	9/18/2019 11:22:19 AM	Peak Integrated by Software incorrectly
VSTDICC150	VX012433.D	1,2,3-Trichloropropane	john	9/18/2019 9:15:06 AM	MMDadoda	9/18/2019 11:22:25 AM	Peak Integrated by Software incorrectly
VSTDICV050	VX012434.D	1,2,3-Trichloropropane	john	9/18/2019 9:15:10 AM	MMDadoda	9/18/2019 11:23:38 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX012436.D	1,2,3-Trichloropropane	john	9/18/2019 9:15:38 AM	MMDadoda	9/18/2019 11:20:24 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX012460.D	1,2,3-Trichloropropane	john	9/18/2019 9:15:46 AM	MMDadoda	9/18/2019 11:21:57 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VX091919	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX012517.D	1,2,3-Trichloropropane	john	9/20/2019 8:50:24 AM	MMDadoda	9/20/2019 11:43:37 AM	Peak Integrated by Software incorrectly
VX0919MBS01	VX012521.D	1,2,3-Trichloropropane	john	9/20/2019 8:50:46 AM	MMDadoda	9/20/2019 10:45:03 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX012543.D	1,2,3-Trichloropropane	john	9/20/2019 8:52:35 AM	MMDadoda	9/20/2019 10:46:24 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:

VX092019

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX012545.D	1,2,3-Trichloropropane	john	9/23/2019 9:57:53 AM	MMDadoda	9/23/2019 11:29:30 AM	Peak Integrated by Software incorrectly
VX0920MBS01	VX012549.D	1,2,3-Trichloropropane	john	9/23/2019 9:58:01 AM	MMDadoda	9/23/2019 11:29:40 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX012570.D	1,2,3-Trichloropropane	john	9/23/2019 9:59:08 AM	MMDadoda	9/23/2019 11:28:39 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX012572.D	1,2,3-Trichloropropane	john	9/23/2019 9:59:13 AM	MMDadoda	9/23/2019 11:28:45 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX012592.D	1,2,3-Trichloropropane	john	9/23/2019 9:59:41 AM	MMDadoda	9/23/2019 11:29:17 AM	Peak Integrated by Software incorrectly

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM		
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM		
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP86992,VP86993				
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014				
CCC	VP86996,VP86997				
Internal Standard/PEM	VP86948				
ICV/I.BLK	VP87019				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW013176.D	20 Sep 2019 11:43	SY/VA	Ok
2	VSTDICCC005	VW013177.D	20 Sep 2019 12:43	SY/VA	Ok,M
3	VSTDICCC010	VW013178.D	20 Sep 2019 13:09	SY/VA	Ok,M
4	VSTDICCC020	VW013179.D	20 Sep 2019 13:35	SY/VA	Ok,M
5	VSTDICCC050	VW013180.D	20 Sep 2019 14:01	SY/VA	Ok,M
6	VSTDICCC100	VW013181.D	20 Sep 2019 14:27	SY/VA	Ok,M
7	VSTDICCC150	VW013182.D	20 Sep 2019 14:53	SY/VA	Ok,M
8	VSTDICCV050	VW013183.D	20 Sep 2019 15:34	SY/VA	Ok,M
9	VW0920SBL01	VW013184.D	20 Sep 2019 16:06	SY/VA	Ok
10	K4888-02	VW013185.D	20 Sep 2019 16:41	SY/VA	Ok
11	K4669-04	VW013186.D	20 Sep 2019 17:07	SY/VA	Ok
12	VW0920SBS01	VW013187.D	20 Sep 2019 17:33	SY/VA	Ok,M
13	VW0920SBSD01	VW013188.D	20 Sep 2019 17:59	SY/VA	Ok,M
14	K4669-04RE	VW013189.D	20 Sep 2019 18:26	SY/VA	Not Ok
15	K4967-02	VW013190.D	20 Sep 2019 18:51	SY/VA	Ok,M
16	K4825-11RE	VW013191.D	20 Sep 2019 19:17	SY/VA	Confirms
17	K4825-13RE	VW013192.D	20 Sep 2019 19:43	SY/VA	Confirms
18	K4918-06	VW013193.D	20 Sep 2019 20:09	SY/VA	Not Ok
19	K4918-07	VW013194.D	20 Sep 2019 20:35	SY/VA	Ok
20	VSTDICCC050	VW013195.D	20 Sep 2019 21:00	SY/VA	Ok,M
21	BFB	VW013196.D	20 Sep 2019 21:26	SY/VA	Ok
22	VSTDICCC050	VW013197.D	20 Sep 2019 21:52	SY/VA	Ok,M
23	VW0920SBL02	VW013198.D	20 Sep 2019 22:45	SY/VA	Ok
24	VW0920SBS02	VW013199.D	20 Sep 2019 23:10	SY/VA	Ok,M
25	VW0920SBSD02	VW013200.D	20 Sep 2019 23:36	SY/VA	Ok,M
26	K4918-08	VW013201.D	21 Sep 2019 00:03	SY/VA	ReRun

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM		
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM		
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP86992,VP86993				
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014				
CCC	VP86996,VP86997				
Internal Standard/PEM	VP86948				
ICV/I.BLK	VP87019				

Run #	Sample ID	File Name	Time	Status	Result
27	K4918-09	VW013202.D	21 Sep 2019 00:29	SY/VA	Ok
28	K4918-10	VW013203.D	21 Sep 2019 00:55	SY/VA	Ok
29	K4918-11	VW013204.D	21 Sep 2019 01:21	SY/VA	ReRun
30	K4918-12	VW013205.D	21 Sep 2019 01:46	SY/VA	Not Ok
31	K4925-01	VW013206.D	21 Sep 2019 02:12	SY/VA	Ok
32	K4939-01	VW013207.D	21 Sep 2019 02:38	SY/VA	Dilution
33	K4939-02MS	VW013208.D	21 Sep 2019 03:03	SY/VA	Ok,M
34	K4939-03MSD	VW013209.D	21 Sep 2019 03:29	SY/VA	Ok,M
35	K4939-04	VW013210.D	21 Sep 2019 03:56	SY/VA	Ok
36	K4939-05	VW013211.D	21 Sep 2019 04:22	SY/VA	Dilution
37	K4939-06	VW013212.D	21 Sep 2019 04:48	SY/VA	Dilution
38	K4939-07	VW013213.D	21 Sep 2019 05:14	SY/VA	Dilution
39	K4972-02	VW013214.D	21 Sep 2019 05:39	SY/VA	ReRun
40	K4972-04	VW013215.D	21 Sep 2019 06:05	SY/VA	Ok
41	K4955-01	VW013216.D	21 Sep 2019 06:31	SY/VA	Ok
42	K4989-01	VW013217.D	21 Sep 2019 06:57	SY/VA	Ok
43	K4989-02	VW013218.D	21 Sep 2019 07:23	SY/VA	Ok
44	VSTDCCC050	VW013219.D	21 Sep 2019 07:48	SY/VA	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX091719

Review By	john	Review On	9/18/2019 9:29:54 AM		
Supervise By	MMDadoda	Supervise On	9/18/2019 11:23:52 AM		
SubDirectory	VX091719	HP Acquire Method	MSVOA_X	HP Processing Method	82X091719W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP86832,VP86844				
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842				
CCC	VP86833,VP86834				
Internal Standard/PEM	VP85866				
ICV/I.BLK	VP86843				

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VX012427.D	17 Sep 2019 11:30	JC/SP	Ok
2	VSTDIC001	VX012428.D	17 Sep 2019 11:59	JC/SP	Ok,M
3	VSTDIC005	VX012429.D	17 Sep 2019 12:23	JC/SP	Ok,M
4	VSTDIC020	VX012430.D	17 Sep 2019 12:46	JC/SP	Ok,M
5	VSTDIC050	VX012431.D	17 Sep 2019 13:09	JC/SP	Ok,M
6	VSTDIC100	VX012432.D	17 Sep 2019 13:33	JC/SP	Ok,M
7	VSTDIC150	VX012433.D	17 Sep 2019 13:56	JC/SP	Ok,M
8	VSTDICV050	VX012434.D	17 Sep 2019 15:22	JC/SP	Ok,M
9	BFB	VX012435.D	17 Sep 2019 15:50	JC/SP	Ok
10	VSTDIC050	VX012436.D	17 Sep 2019 16:24	JC/SP	Ok,M
11	VX0917WBL01	VX012437.D	17 Sep 2019 17:21	JC/SP	Ok
12	VX0917WBS01	VX012438.D	17 Sep 2019 17:55	JC/SP	Ok,M
13	VX0917WBSD01	VX012439.D	17 Sep 2019 18:18	JC/SP	Ok,M
14	K4858-01	VX012440.D	17 Sep 2019 18:42	JC/SP	ReRun
15	K4858-09	VX012441.D	17 Sep 2019 19:05	JC/SP	ReRun
16	K4858-10	VX012442.D	17 Sep 2019 19:29	JC/SP	Ok
17	K4858-11	VX012443.D	17 Sep 2019 19:52	JC/SP	Ok
18	K4858-19	VX012444.D	17 Sep 2019 20:15	JC/SP	ReRun
19	K4858-20	VX012445.D	17 Sep 2019 20:39	JC/SP	ReRun
20	K4858-21	VX012446.D	17 Sep 2019 21:03	JC/SP	Ok
21	K4858-12	VX012447.D	17 Sep 2019 21:27	JC/SP	Dilution
22	K4858-22	VX012448.D	17 Sep 2019 21:50	JC/SP	Dilution
23	K4858-02	VX012449.D	17 Sep 2019 22:14	JC/SP	Dilution
24	K4858-03	VX012450.D	17 Sep 2019 22:37	JC/SP	Dilution
25	K4858-04	VX012451.D	17 Sep 2019 23:01	JC/SP	Dilution
26	K4858-05	VX012452.D	17 Sep 2019 23:24	JC/SP	Dilution

Daily Analysis Runlog For Sequence/QC Batch ID # VX091719

Review By	john	Review On	9/18/2019 9:29:54 AM		
Supervise By	MMDadoda	Supervise On	9/18/2019 11:23:52 AM		
SubDirectory	VX091719	HP Acquire Method	MSVOA_X	HP Processing Method	82X091719W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP86832,VP86844				
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842				
CCC	VP86833,VP86834				
Internal Standard/PEM	VP85866				
ICV/I.BLK	VP86843				

27	K4858-13	VX012453.D	17 Sep 2019 23:47	JC/SP	Dilution
28	K4858-14	VX012454.D	18 Sep 2019 00:11	JC/SP	Dilution
29	K4858-15	VX012455.D	18 Sep 2019 00:34	JC/SP	Dilution
30	K4858-16	VX012456.D	18 Sep 2019 00:57	JC/SP	Dilution
31	K4858-17	VX012457.D	18 Sep 2019 01:21	JC/SP	Dilution
32	K4858-18	VX012458.D	18 Sep 2019 01:44	JC/SP	Dilution
33	K4858-06	VX012459.D	18 Sep 2019 02:07	JC/SP	Dilution
34	VSTDCCC050	VX012460.D	18 Sep 2019 02:31	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX091919

Review By	john	Review On	9/20/2019 10:16:52 AM		
Supervise By	MMDadoda	Supervise On	9/20/2019 10:46:54 AM		
SubDirectory	VX091919	HP Acquire Method	MSVOA_X	HP Processing Method	82X091719W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP86941,VP86943				
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842				
CCC	VP86942,VP86944,VP86945,VP86946				
Internal Standard/PEM	VP86799				
ICV/I.BLK	VP86843				

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VX012516.D	19 Sep 2019 09:58	JC/SP	Ok
2	VSTDCCC050	VX012517.D	19 Sep 2019 10:30	JC/SP	Ok,M
3	VX0919MBL01	VX012518.D	19 Sep 2019 11:08	JC/SP	Ok
4	VX0919WBL01	VX012519.D	19 Sep 2019 11:31	JC/SP	Ok
5	VX0919WBS01	VX012520.D	19 Sep 2019 12:04	JC/SP	Ok,M
6	VX0919MBS01	VX012521.D	19 Sep 2019 12:27	JC/SP	Ok,M
7	K4944-01ME	VX012522.D	19 Sep 2019 12:51	JC/SP	Ok
8	K4888-01	VX012523.D	19 Sep 2019 13:14	JC/SP	Dilution
9	K4888-02	VX012524.D	19 Sep 2019 13:37	JC/SP	Not Ok
10	K4888-03	VX012525.D	19 Sep 2019 14:01	JC/SP	Ok
11	K4887-06	VX012526.D	19 Sep 2019 14:24	JC/SP	Dilution
12	K4858-24	VX012527.D	19 Sep 2019 14:47	JC/SP	Ok
13	K4858-26DL	VX012528.D	19 Sep 2019 15:11	JC/SP	Ok
14	K4883-09	VX012529.D	19 Sep 2019 15:34	JC/SP	Ok
15	K4883-02	VX012530.D	19 Sep 2019 15:57	JC/SP	Ok
16	VX0919MBSD01	VX012531.D	19 Sep 2019 16:20	JC/SP	Ok,M
17	K4883-03	VX012532.D	19 Sep 2019 16:44	JC/SP	Dilution
18	K4883-04	VX012533.D	19 Sep 2019 17:07	JC/SP	Dilution
19	K4888-01DL	VX012534.D	19 Sep 2019 17:30	JC/SP	Not Ok
20	K4887-01DL	VX012535.D	19 Sep 2019 17:54	JC/SP	Not Ok
21	K4858-23DL	VX012536.D	19 Sep 2019 18:17	JC/SP	Not Ok
22	K4858-25DL	VX012537.D	19 Sep 2019 18:41	JC/SP	Not Ok
23	K4858-27DL	VX012538.D	19 Sep 2019 19:04	JC/SP	Not Ok
24	K4887-02MS	VX012539.D	19 Sep 2019 19:27	JC/SP	Ok,M
25	K4887-03MSD	VX012540.D	19 Sep 2019 19:50	JC/SP	Ok,M
26	K4883-06MS	VX012541.D	19 Sep 2019 20:14	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX091919

Review By	john	Review On	9/20/2019 10:16:52 AM		
Supervise By	MMDadoda	Supervise On	9/20/2019 10:46:54 AM		
SubDirectory	VX091919	HP Acquire Method	MSVOA_X	HP Processing Method	82X091719W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP86941,VP86943				
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842				
CCC	VP86942,VP86944,VP86945,VP86946				
Internal Standard/PEM	VP86799				
ICV/I.BLK	VP86843				

27	K4883-07MSD	VX012542.D	19 Sep 2019 20:37	JC/SP	Ok,M
28	VSTDCCC050	VX012543.D	19 Sep 2019 21:00	JC/SP	Ok,M

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Daily Analysis Runlog For Sequence/QC Batch ID # VX092019

Review By	john	Review On	9/23/2019 10:12:11 AM		
Supervise By	MMDadoda	Supervise On	9/23/2019 4:58:10 PM		
SubDirectory	VX092019	HP Acquire Method	MSVOA_X	HP Processing Method	82X091719W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP86988,VP86990				
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842				
CCC	VP86989,VP86991,VP87002,VP87003				
Internal Standard/PEM	VP86799				
ICV/I.BLK	VP86843				

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VX012544.D	20 Sep 2019 08:59	JC/SP	Ok
2	VSTDCCC050	VX012545.D	20 Sep 2019 10:16	JC/SP	Ok,M
3	VX0920WBL01	VX012546.D	20 Sep 2019 10:53	JC/SP	Ok
4	VX0920MBL01	VX012547.D	20 Sep 2019 11:16	JC/SP	Ok
5	VX0920WBS01	VX012548.D	20 Sep 2019 11:42	JC/SP	Ok,M
6	VX0920MBS01	VX012549.D	20 Sep 2019 12:05	JC/SP	Ok,M
7	K4888-01DL	VX012550.D	20 Sep 2019 12:28	JC/SP	Ok
8	K4858-22DL	VX012551.D	20 Sep 2019 12:52	JC/SP	Not Ok
9	K4887-01DL	VX012552.D	20 Sep 2019 13:15	JC/SP	Ok,M
10	K4887-06DL	VX012553.D	20 Sep 2019 13:38	JC/SP	Ok,M
11	K4830-04DL	VX012554.D	20 Sep 2019 14:02	JC/SP	Not Ok
12	K4830-08DL	VX012555.D	20 Sep 2019 14:25	JC/SP	Ok,M
13	K4883-05	VX012556.D	20 Sep 2019 14:48	JC/SP	Ok
14	VX0920WBSD01	VX012557.D	20 Sep 2019 15:12	JC/SP	Ok,M
15	K4858-23DL	VX012558.D	20 Sep 2019 15:35	JC/SP	Ok
16	K4830-04DL	VX012559.D	20 Sep 2019 15:58	JC/SP	Not Ok
17	K4858-27DL	VX012560.D	20 Sep 2019 16:22	JC/SP	Ok
18	K4830-04DL	VX012561.D	20 Sep 2019 16:45	JC/SP	Ok
19	K4858-25DL	VX012562.D	20 Sep 2019 17:09	JC/SP	Ok
20	K5003-01	VX012563.D	20 Sep 2019 17:32	JC/SP	Ok
21	K4883-04DL	VX012564.D	20 Sep 2019 17:55	JC/SP	Ok
22	K4883-03DL	VX012565.D	20 Sep 2019 18:19	JC/SP	Ok
23	K4883-01	VX012566.D	20 Sep 2019 18:42	JC/SP	Dilution
24	K4883-08	VX012567.D	20 Sep 2019 19:06	JC/SP	ReRun
25	IBLK1	VX012568.D	20 Sep 2019 19:29	JC/SP	Ok
26	IBLK2	VX012569.D	20 Sep 2019 19:52	JC/SP	Ok

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Daily Analysis Runlog For Sequence/QC Batch ID # VX092019

Review By	john	Review On	9/23/2019 10:12:11 AM		
Supervise By	MMDadoda	Supervise On	9/23/2019 4:58:10 PM		
SubDirectory	VX092019	HP Acquire Method	MSVOA_X	HP Processing Method	82X091719W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP86988,VP86990				
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842				
CCC	VP86989,VP86991,VP87002,VP87003				
Internal Standard/PEM	VP86799				
ICV/I.BLK	VP86843				

27	VSTDCCC050	VX012570.D	20 Sep 2019 20:16	JC/SP	Ok,M
28	BFB	VX012571.D	20 Sep 2019 21:02	JC/SP	Ok
29	VSTDCCC050	VX012572.D	20 Sep 2019 21:25	JC/SP	Ok,M
30	VX0920WBL02	VX012573.D	20 Sep 2019 22:12	JC/SP	Ok
31	VX0920WBS02	VX012574.D	20 Sep 2019 22:35	JC/SP	Ok,M
32	VX0920WBSD02	VX012575.D	20 Sep 2019 22:59	JC/SP	Ok,M
33	K4930-01	VX012576.D	20 Sep 2019 23:22	JC/SP	Ok
34	K4956-05	VX012577.D	20 Sep 2019 23:45	JC/SP	Ok
35	K4978-09	VX012578.D	21 Sep 2019 00:09	JC/SP	Ok
36	K4956-01	VX012579.D	21 Sep 2019 00:32	JC/SP	Ok
37	K4956-02	VX012580.D	21 Sep 2019 00:56	JC/SP	Ok
38	K4956-03	VX012581.D	21 Sep 2019 01:19	JC/SP	Ok
39	K4956-04	VX012582.D	21 Sep 2019 01:42	JC/SP	Ok
40	K4930-02	VX012583.D	21 Sep 2019 02:06	JC/SP	ReRun
41	K4930-03	VX012584.D	21 Sep 2019 02:29	JC/SP	Ok
42	K4930-04	VX012585.D	21 Sep 2019 02:52	JC/SP	ReRun
43	K4930-05	VX012586.D	21 Sep 2019 03:16	JC/SP	ReRun
44	K4978-02	VX012587.D	21 Sep 2019 03:39	JC/SP	Dilution
45	K4978-03	VX012588.D	21 Sep 2019 04:02	JC/SP	Dilution
46	K4978-04	VX012589.D	21 Sep 2019 04:26	JC/SP	Dilution
47	K4978-08	VX012590.D	21 Sep 2019 04:49	JC/SP	ReRun
48	K4978-10	VX012591.D	21 Sep 2019 05:12	JC/SP	Ok
49	VSTDCCC050	VX012592.D	21 Sep 2019 05:35	JC/SP	Ok,M

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM		
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM		
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m

STD. NAME	STD REF.#
Tune/Reschk	VP86992,VP86993
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014
CCC	VP86996,VP86997
Internal Standard/PEM	VP86948
ICV/I.BLK	VP87019

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW013176.D	20 Sep 2019 11:43		SY/VA	Ok
2	VSTDIC005	VSTDIC005	VW013177.D	20 Sep 2019 12:43	Mehtod pass for DOD	SY/VA	Ok,M
3	VSTDIC010	VSTDIC010	VW013178.D	20 Sep 2019 13:09	LR- 11,20,26	SY/VA	Ok,M
4	VSTDIC020	VSTDIC020	VW013179.D	20 Sep 2019 13:35		SY/VA	Ok,M
5	VSTDIC050	VSTDIC050	VW013180.D	20 Sep 2019 14:01		SY/VA	Ok,M
6	VSTDIC100	VSTDIC100	VW013181.D	20 Sep 2019 14:27		SY/VA	Ok,M
7	VSTDIC150	VSTDIC150	VW013182.D	20 Sep 2019 14:53		SY/VA	Ok,M
8	VSTDICV050	ICVVW092019	VW013183.D	20 Sep 2019 15:34		SY/VA	Ok,M
9	VW0920SBL01	VW0920SBL01	VW013184.D	20 Sep 2019 16:06		SY/VA	Ok
10	K4888-02	980-B-1-(24)	VW013185.D	20 Sep 2019 16:41	Vial A	SY/VA	Ok
11	K4669-04	TR-04-091719	VW013186.D	20 Sep 2019 17:07	Vial A	SY/VA	Ok
12	VW0920SBS01	VW0920SBS01	VW013187.D	20 Sep 2019 17:33		SY/VA	Ok,M
13	VW0920SBSD01	VW0920SBSD01	VW013188.D	20 Sep 2019 17:59	Recovery Fail for some compounds	SY/VA	Ok,M
14	K4669-04RE	TR-04-091719RE	VW013189.D	20 Sep 2019 18:26	Not Required Vial B	SY/VA	Not Ok
15	K4967-02	FK-BPM-01-H0-H01-H0	VW013190.D	20 Sep 2019 18:51	Vial A	SY/VA	Ok,M
16	K4825-11RE	CSA-4-2-1.5RE	VW013191.D	20 Sep 2019 19:17	Internal standard fail Vial B	SY/VA	Confirms
17	K4825-13RE	CSA-4-3-1RE	VW013192.D	20 Sep 2019 19:43	Internal standard fail Vial B	SY/VA	Confirms
18	K4918-06	SB-7	VW013193.D	20 Sep 2019 20:09	Not puge Vial A	SY/VA	Not Ok
19	K4918-07	SB-8	VW013194.D	20 Sep 2019 20:35	Vial A	SY/VA	Ok
20	VSTDCCC050	VSTDCCC050EC	VW013195.D	20 Sep 2019 21:00		SY/VA	Ok,M
21	BFB	BFB	VW013196.D	20 Sep 2019 21:26		SY/VA	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM				
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM				
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP86992,VP86993						
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014						
CCC	VP86996,VP86997						
Internal Standard/PEM	VP86948						
ICV/I.BLK	VP87019						
22	VSTDCCC050	VSTDCCC050	VW013197.D	20 Sep 2019 21:52		SY/VA	Ok,M
23	VW0920SBL02	VW0920SBL02	VW013198.D	20 Sep 2019 22:45		SY/VA	Ok
24	VW0920SBS02	VW0920SBS02	VW013199.D	20 Sep 2019 23:10		SY/VA	Ok,M
25	VW0920SBSD02	VW0920SBSD02	VW013200.D	20 Sep 2019 23:36		SY/VA	Ok,M
26	K4918-08	SB-9	VW013201.D	21 Sep 2019 00:03	Internal standard fail Vial A	SY/VA	ReRun
27	K4918-09	SB-10	VW013202.D	21 Sep 2019 00:29	Vial A	SY/VA	Ok
28	K4918-10	SB-11	VW013203.D	21 Sep 2019 00:55	Vial A	SY/VA	Ok
29	K4918-11	SB-13	VW013204.D	21 Sep 2019 01:21	Internal standard fail Vial A	SY/VA	ReRun
30	K4918-12	SB-12	VW013205.D	21 Sep 2019 01:46	Not purge Vial A	SY/VA	Not Ok
31	K4925-01	SS-1	VW013206.D	21 Sep 2019 02:12	Vial B	SY/VA	Ok
32	K4939-01	982-S-3-(19)	VW013207.D	21 Sep 2019 02:38	Need MeOH Vial A	SY/VA	Dilution
33	K4939-02MS	982-S-3-(19)MS	VW013208.D	21 Sep 2019 03:03	Surrogate Fail ,Internal standard fail and Recovery Fail for some compounds Vial A	SY/VA	Ok,M
34	K4939-03MSD	982-S-3-(19)MSD	VW013209.D	21 Sep 2019 03:29	Surrogate Fail ,Internal standard fail and Recovery Fail for some compounds Vial A	SY/VA	Ok,M
35	K4939-04	983-B-2-(24)	VW013210.D	21 Sep 2019 03:56	Vial A	SY/VA	Ok
36	K4939-05	984-S-4-(19)	VW013211.D	21 Sep 2019 04:22	Internal standard fail and Need MeOH Vial A	SY/VA	Dilution
37	K4939-06	985-S-5-(19)	VW013212.D	21 Sep 2019 04:48	Need MeOH Vial A	SY/VA	Dilution
38	K4939-07	986-B-3-(24)	VW013213.D	21 Sep 2019 05:14	Need MeOH Vial A	SY/VA	Dilution
39	K4972-02	FK-GF-02-046-A	VW013214.D	21 Sep 2019 05:39	E flag in previous sample Vial A	SY/VA	ReRun
40	K4972-04	FK-GF-02-046-B	VW013215.D	21 Sep 2019 06:05	Vial A	SY/VA	Ok
41	K4955-01	ROLL-OFF-SOIL	VW013216.D	21 Sep 2019 06:31	Vial B	SY/VA	Ok

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM		
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM		
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m

STD. NAME	STD REF.#
Tune/Reschk	VP86992,VP86993
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014
CCC	VP86996,VP86997
Internal Standard/PEM	VP86948
ICV/I.BLK	VP87019

42	K4989-01	B-3A	VW013217.D	21 Sep 2019 06:57	Vial A	SY/VA	Ok
43	K4989-02	B-3B	VW013218.D	21 Sep 2019 07:23	Vial A	SY/VA	Ok
44	VSTDCCC050	VSTDCCC050EC	VW013219.D	21 Sep 2019 07:48		SY/VA	Ok,M

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Daily Analysis Runlog For Sequence/QC Batch ID # VX091719

Review By	john	Review On	9/18/2019 9:29:54 AM
Supervise By	MMDadoda	Supervise On	9/18/2019 11:23:52 AM
SubDirectory	VX091719	HP Acquire Method	MSVOA_X HP Processing Method 82X091719W.M

STD. NAME	STD REF.#
Tune/Reschk	VP86832,VP86844
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842
CCC	VP86833,VP86834
Internal Standard/PEM	VP85866
ICV/I.BLK	VP86843

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX012427.D	17 Sep 2019 11:30		JC/SP	Ok
2	VSTDIC001	VSTDIC001	VX012428.D	17 Sep 2019 11:59	Method pass for DOD	JC/SP	Ok,M
3	VSTDIC005	VSTDIC005	VX012429.D	17 Sep 2019 12:23	LR comp. 2,10,11,13,16,17,71,81	JC/SP	Ok,M
4	VSTDIC020	VSTDIC020	VX012430.D	17 Sep 2019 12:46		JC/SP	Ok,M
5	VSTDIC050	VSTDIC050	VX012431.D	17 Sep 2019 13:09		JC/SP	Ok,M
6	VSTDIC100	VSTDIC100	VX012432.D	17 Sep 2019 13:33		JC/SP	Ok,M
7	VSTDIC150	VSTDIC150	VX012433.D	17 Sep 2019 13:56		JC/SP	Ok,M
8	VSTDICV050	ICVVX091719	VX012434.D	17 Sep 2019 15:22	pH#Lot#V9650	JC/SP	Ok,M
9	BFB	BFB	VX012435.D	17 Sep 2019 15:50		JC/SP	Ok
10	VSTDIC050	VSTDIC050	VX012436.D	17 Sep 2019 16:24		JC/SP	Ok,M
11	VX0917WBL01	VX0917WBL01	VX012437.D	17 Sep 2019 17:21		JC/SP	Ok
12	VX0917WBS01	VX0917WBS01	VX012438.D	17 Sep 2019 17:55		JC/SP	Ok,M
13	VX0917WBSD01	VX0917WBSD01	VX012439.D	17 Sep 2019 18:18		JC/SP	Ok,M
14	K4858-01	TB01-20190909	VX012440.D	17 Sep 2019 18:42	vial A pH<2 TB, HIT of comp# 16,20	JC/SP	ReRun
15	K4858-09	RE122D3-20190909	VX012441.D	17 Sep 2019 19:05	vial A pH<2 Surrogate Fail and Internal std. fail	JC/SP	ReRun
16	K4858-10	MW202D-20190909	VX012442.D	17 Sep 2019 19:29	vial A pH<2	JC/SP	Ok
17	K4858-11	MW202D1-20190909	VX012443.D	17 Sep 2019 19:52	vial A pH<2	JC/SP	Ok
18	K4858-19	RE135D1-20190910	VX012444.D	17 Sep 2019 20:15	vial A pH<2 Internal std. fail	JC/SP	ReRun
19	K4858-20	RE135D2-20190910	VX012445.D	17 Sep 2019 20:39	vial A pH<2 Surrogate Fail	JC/SP	ReRun
20	K4858-21	RE135D3-20190910	VX012446.D	17 Sep 2019 21:03	vial A pH<2	JC/SP	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX091719

Review By	john	Review On	9/18/2019 9:29:54 AM		
Supervise By	MMDadoda	Supervise On	9/18/2019 11:23:52 AM		
SubDirectory	VX091719	HP Acquire Method	MSVOA_X	HP Processing Method	82X091719W.M

STD. NAME	STD REF.#
Tune/Reschk	VP86832,VP86844
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842
CCC	VP86833,VP86834
Internal Standard/PEM	VP85866
ICV/I.BLK	VP86843

21	K4858-12	DUP01-20190909	VX012447.D	17 Sep 2019 21:27	vial A pH<2	Need 40X	JC/SP	Dilution
22	K4858-22	DUP02-20190910	VX012448.D	17 Sep 2019 21:50	vial A pH<2	Need 5X	JC/SP	Dilution
23	K4858-02	RE103D1-20190909	VX012449.D	17 Sep 2019 22:14	vial A pH<2	Need 40X	JC/SP	Dilution
24	K4858-03	RE103D2-20190909	VX012450.D	17 Sep 2019 22:37	vial A pH<2	Need 10X	JC/SP	Dilution
25	K4858-04	RE103D3-20190909	VX012451.D	17 Sep 2019 23:01	vial A pH<2	Need 10X	JC/SP	Dilution
26	K4858-05	RE122D1-20190909	VX012452.D	17 Sep 2019 23:24	vial A pH<2	Need 10X	JC/SP	Dilution
27	K4858-13	RE125D1-20190910	VX012453.D	17 Sep 2019 23:47	vial A pH<2	Need 10X	JC/SP	Dilution
28	K4858-14	RE125D2-20190910	VX012454.D	18 Sep 2019 00:11	vial A pH<2	Need 10X	JC/SP	Dilution
29	K4858-15	RE125D3-20190910	VX012455.D	18 Sep 2019 00:34	vial A pH<2	Need 5X	JC/SP	Dilution
30	K4858-16	RE131D1-20190910	VX012456.D	18 Sep 2019 00:57	vial A pH<2	Need 5X	JC/SP	Dilution
31	K4858-17	RE131D2-20190910	VX012457.D	18 Sep 2019 01:21	vial A pH<2	Need 5X	JC/SP	Dilution
32	K4858-18	RE131D3-20190910	VX012458.D	18 Sep 2019 01:44	vial A pH<2	Need 5X	JC/SP	Dilution
33	K4858-06	RE122D2-20190909	VX012459.D	18 Sep 2019 02:07	vial A pH<2,	Need 200X	JC/SP	Dilution
34	VSTDCCC050	VSTDCCC050EC	VX012460.D	18 Sep 2019 02:31			JC/SP	Ok,M

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX091919

Review By	john	Review On	9/20/2019 10:16:52 AM
Supervise By	MMDadoda	Supervise On	9/20/2019 10:46:54 AM
SubDirectory	VX091919	HP Acquire Method	MSVOA_X HP Processing Method 82X091719W.M

STD. NAME	STD REF.#
Tune/Reschk	VP86941,VP86943
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842
CCC	VP86942,VP86944,VP86945,VP86946
Internal Standard/PEM	VP86799
ICV/IL.BLK	VP86843

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX012516.D	19 Sep 2019 09:58		JC/SP	Ok
2	VSTDCCC050	VSTDCCC050	VX012517.D	19 Sep 2019 10:30	pH#Lot#V9650	JC/SP	Ok,M
3	VX0919MBL01	VX0919MBL01	VX012518.D	19 Sep 2019 11:08		JC/SP	Ok
4	VX0919WBL01	VX0919WBL01	VX012519.D	19 Sep 2019 11:31		JC/SP	Ok
5	VX0919WBS01	VX0919WBS01	VX012520.D	19 Sep 2019 12:04		JC/SP	Ok,M
6	VX0919MBS01	VX0919MBS01	VX012521.D	19 Sep 2019 12:27		JC/SP	Ok,M
7	K4944-01ME	DRUM-COMPME	VX012522.D	19 Sep 2019 12:51		JC/SP	Ok
8	K4888-01	979-S-1-(18-19)	VX012523.D	19 Sep 2019 13:14	Need 10X	JC/SP	Dilution
9	K4888-02	980-B-1-(24)	VX012524.D	19 Sep 2019 13:37	run soil	JC/SP	Not Ok
10	K4888-03	981-S-2-(20)	VX012525.D	19 Sep 2019 14:01		JC/SP	Ok
11	K4887-06	Z2-0159	VX012526.D	19 Sep 2019 14:24	vial A pH<2 Need 20X	JC/SP	Dilution
12	K4858-24	RE132D3-20190911	VX012527.D	19 Sep 2019 14:47	vial B pH<2	JC/SP	Ok
13	K4858-26DL	RE132D6-20190911DL	VX012528.D	19 Sep 2019 15:11	vial B pH<2	JC/SP	Ok
14	K4883-09	TB-20190911	VX012529.D	19 Sep 2019 15:34	vial A pH<2 TB	JC/SP	Ok
15	K4883-02	FB-20190911	VX012530.D	19 Sep 2019 15:57	vial A pH<2 FB	JC/SP	Ok
16	VX0919MBSD01	VX0919MBSD01	VX012531.D	19 Sep 2019 16:20		JC/SP	Ok,M
17	K4883-03	MW6-R2-1	VX012532.D	19 Sep 2019 16:44	vial A pH<2 Need 250x	JC/SP	Dilution
18	K4883-04	DUP-20190911	VX012533.D	19 Sep 2019 17:07	vial A pH<2 Need 200X	JC/SP	Dilution
19	K4888-01DL	979-S-1-(18-19)DL	VX012534.D	19 Sep 2019 17:30	E flag in previous sample	JC/SP	Not Ok
20	K4887-01DL	Z2-0157DL	VX012535.D	19 Sep 2019 17:54	Confirm concentration	JC/SP	Not Ok
21	K4858-23DL	RE132D1-20190911DL	VX012536.D	19 Sep 2019 18:17	Surrogate Fail and Confirm concentration	JC/SP	Not Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VX091919

Review By	john	Review On	9/20/2019 10:16:52 AM
Supervise By	MMDadoda	Supervise On	9/20/2019 10:46:54 AM
SubDirectory	VX091919	HP Acquire Method	MSVOA_X HP Processing Method 82X091719W.M

STD. NAME	STD REF.#
Tune/Reschk	VP86941,VP86943
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842
CCC	VP86942,VP86944,VP86945,VP86946
Internal Standard/PEM	VP86799
ICV/I.BLK	VP86843

Run No	Sample Name	Reference	File Name	Time	Notes	QC	Status
22	K4858-25DL	RE132D5-20190911DL	VX012537.D	19 Sep 2019 18:41	Confirm concentration	JC/SP	Not Ok
23	K4858-27DL	RE132D7-20190911DL	VX012538.D	19 Sep 2019 19:04	Confirm concentration	JC/SP	Not Ok
24	K4887-02MS	Z2-0157MS	VX012539.D	19 Sep 2019 19:27	vial A pH<2	JC/SP	Ok,M
25	K4887-03MSD	Z2-0157MSD	VX012540.D	19 Sep 2019 19:50	vial A pH<2	JC/SP	Ok,M
26	K4883-06MS	MW2-R2-1MS	VX012541.D	19 Sep 2019 20:14	vial A pH<2	JC/SP	Ok,M
27	K4883-07MSD	MW2-R2-1MSD	VX012542.D	19 Sep 2019 20:37	vial A pH<2	JC/SP	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX012543.D	19 Sep 2019 21:00		JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX092019

Review By	john	Review On	9/23/2019 10:12:11 AM
Supervise By	MMDadoda	Supervise On	9/23/2019 4:58:10 PM
SubDirectory	VX092019	HP Acquire Method	MSVOA_X HP Processing Method 82X091719W.M

STD. NAME	STD REF.#
Tune/Reschk	VP86988,VP86990
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842
CCC	VP86989,VP86991,VP87002,VP87003
Internal Standard/PEM	VP86799
ICV/IL.BLK	VP86843

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX012544.D	20 Sep 2019 08:59		JC/SP	Ok
2	VSTDCCC050	VSTDCCC050	VX012545.D	20 Sep 2019 10:16	pH#Lot#V9650	JC/SP	Ok,M
3	VX0920WBL01	VX0920WBL01	VX012546.D	20 Sep 2019 10:53		JC/SP	Ok
4	VX0920MBL01	VX0920MBL01	VX012547.D	20 Sep 2019 11:16		JC/SP	Ok
5	VX0920WBS01	VX0920WBS01	VX012548.D	20 Sep 2019 11:42		JC/SP	Ok,M
6	VX0920MBS01	VX0920MBS01	VX012549.D	20 Sep 2019 12:05		JC/SP	Ok,M
7	K4888-01DL	979-S-1-(18-19)DL	VX012550.D	20 Sep 2019 12:28		JC/SP	Ok
8	K4858-22DL	DUP02-20190910DL	VX012551.D	20 Sep 2019 12:52	vial B pH<2,for confirmation only	JC/SP	Not Ok
9	K4887-01DL	Z2-0157DL	VX012552.D	20 Sep 2019 13:15	vial A pH<2	JC/SP	Ok,M
10	K4887-06DL	Z2-0159DL	VX012553.D	20 Sep 2019 13:38	vial B pH<2	JC/SP	Ok,M
11	K4830-04DL	S13-0272DL	VX012554.D	20 Sep 2019 14:02	confirm dilution	JC/SP	Not Ok
12	K4830-08DL	S13-0280DL	VX012555.D	20 Sep 2019 14:25	vial B pH<2	JC/SP	Ok,M
13	K4883-05	MW2-R2-1	VX012556.D	20 Sep 2019 14:48	vial A pH<2	JC/SP	Ok
14	VX0920WBSD01	VX0920WBSD01	VX012557.D	20 Sep 2019 15:12		JC/SP	Ok,M
15	K4858-23DL	RE132D1-20190911DL	VX012558.D	20 Sep 2019 15:35	vial B pH<2	JC/SP	Ok
16	K4830-04DL	S13-0272DL	VX012559.D	20 Sep 2019 15:58	run lower dilution	JC/SP	Not Ok
17	K4858-27DL	RE132D7-20190911DL	VX012560.D	20 Sep 2019 16:22	vial B pH<2	JC/SP	Ok
18	K4830-04DL	S13-0272DL	VX012561.D	20 Sep 2019 16:45	vial B pH<2 Surrogate Fail	JC/SP	Ok
19	K4858-25DL	RE132D5-20190911DL	VX012562.D	20 Sep 2019 17:09	vial B pH<2	JC/SP	Ok
20	K5003-01	TMW-03	VX012563.D	20 Sep 2019 17:32	vial A pH<2	JC/SP	Ok
21	K4883-04DL	DUP-20190911DL	VX012564.D	20 Sep 2019 17:55	vial B pH<2	JC/SP	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VX092019

Review By	john	Review On	9/23/2019 10:12:11 AM				
Supervise By	MMDadoda	Supervise On	9/23/2019 4:58:10 PM				
SubDirectory	VX092019	HP Acquire Method	MSVOA_X	HP Processing Method	82X091719W.M		
STD. NAME	STD REF.#						
Tune/Reschk	VP86988,VP86990						
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842						
CCC	VP86989,VP86991,VP87002,VP87003						
Internal Standard/PEM	VP86799						
ICV/I.BLK	VP86843						
22	K4883-03DL	MW6-R2-1DL	VX012565.D	20 Sep 2019 18:19	vial B pH<2	JC/SP	Ok
23	K4883-01	MW5-R2-1	VX012566.D	20 Sep 2019 18:42	vial A pH<2 Need 5X	JC/SP	Dilution
24	K4883-08	MW2-R2-2	VX012567.D	20 Sep 2019 19:06	vial A pH<2 Surrogate Fail and E Flag in previous sample	JC/SP	ReRun
25	IBLK1	IBLK1	VX012568.D	20 Sep 2019 19:29		JC/SP	Ok
26	IBLK2	IBLK2	VX012569.D	20 Sep 2019 19:52		JC/SP	Ok
27	VSTDCCC050	VSTDCCC050EC	VX012570.D	20 Sep 2019 20:16		JC/SP	Ok,M
28	BFB	BFB	VX012571.D	20 Sep 2019 21:02		JC/SP	Ok
29	VSTDCCC050	VSTDCCC050	VX012572.D	20 Sep 2019 21:25		JC/SP	Ok,M
30	VX0920WBL02	VX0920WBL02	VX012573.D	20 Sep 2019 22:12		JC/SP	Ok
31	VX0920WBS02	VX0920WBS02	VX012574.D	20 Sep 2019 22:35		JC/SP	Ok,M
32	VX0920WBSD02	VX0920WBSD02	VX012575.D	20 Sep 2019 22:59		JC/SP	Ok,M
33	K4930-01	TB-01-190916	VX012576.D	20 Sep 2019 23:22	vial A pH<2 TB	JC/SP	Ok
34	K4956-05	S49-TB-2019-3	VX012577.D	20 Sep 2019 23:45	vial A pH<2 TB	JC/SP	Ok
35	K4978-09	Z3-TB-2019-2	VX012578.D	21 Sep 2019 00:09	vial A pH<2 TB	JC/SP	Ok
36	K4956-01	S49-0554	VX012579.D	21 Sep 2019 00:32	vial A pH<2	JC/SP	Ok
37	K4956-02	S49-0547	VX012580.D	21 Sep 2019 00:56	vial A pH<2	JC/SP	Ok
38	K4956-03	S49-0553	VX012581.D	21 Sep 2019 01:19	vial A pH<2	JC/SP	Ok
39	K4956-04	S49-ER-2019-2	VX012582.D	21 Sep 2019 01:42	Vial A pH#7.0	JC/SP	Ok
40	K4930-02	KY038PS027-190916	VX012583.D	21 Sep 2019 02:06	vial A pH<2, hit of compound#64	JC/SP	ReRun
41	K4930-03	KY038PS037-190916	VX012584.D	21 Sep 2019 02:29	vial A pH<2	JC/SP	Ok
42	K4930-04	KY038PS038-190916	VX012585.D	21 Sep 2019 02:52	vial A pH<2 Surrogate Fail	JC/SP	ReRun
43	K4930-05	KY038PS036-190916	VX012586.D	21 Sep 2019 03:16	vial A pH<2 Surrogate Fail	JC/SP	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX092019

Review By	john	Review On	9/23/2019 10:12:11 AM		
Supervise By	MMDadoda	Supervise On	9/23/2019 4:58:10 PM		
SubDirectory	VX092019	HP Acquire Method	MSVOA_X	HP Processing Method	82X091719W.M

STD. NAME	STD REF.#
Tune/Reschk	VP86988,VP86990
Initial Calibration Stds	VP86835,VP86838,VP86839,VP86840,VP86841,VP86842
CCC	VP86989,VP86991,VP87002,VP87003
Internal Standard/PEM	VP86799
ICV/I.BLK	VP86843

Sample ID	Sample Name	Std Ref	File Name	Time	Notes	QC	Result
44	K4978-02	Z2-0161	VX012587.D	21 Sep 2019 03:39	vial A pH<2 Need 50X	JC/SP	Dilution
45	K4978-03	Z2-0162	VX012588.D	21 Sep 2019 04:02	vial A pH<2 Need 10X,	JC/SP	Dilution
46	K4978-04	Z2-0163	VX012589.D	21 Sep 2019 04:26	vial A pH<2 Need 10X	JC/SP	Dilution
47	K4978-08	Z2-0164	VX012590.D	21 Sep 2019 04:49	vial A pH<2 E Flag in previous sample	JC/SP	ReRun
48	K4978-10	Z2-0165	VX012591.D	21 Sep 2019 05:12	vial A pH<2	JC/SP	Ok
49	VSTDCCC050	VSTDCCC050EC	VX012592.D	21 Sep 2019 05:35		JC/SP	Ok,M

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PERCENT SOLID

Supervisor: apatel
 Analyst: jignesh
 Date: 9/16/2019

OVENTEMP IN Celsius(°C): 107
 Time IN: 17:10
 In Date: 09/13/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 102
 Time OUT: 08:27
 Out Date: 09/14/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 BalanceID: M SC-4
 Thermometer ID: %SOLIDS-OVEN

QC:LB105112

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
K4596-02	S403-K1-2.0-2.5-082819	126	1.14	9.72	8.39	84.5	
K4661-04	HD-02-091319	97	1.14	9.64	8.82	90.4	
K4661-05	HD-02-091319	98	1.12	9.6	9.15	94.7	
K4664-06	OR-02-091319	99	1.16	9.92	9.26	92.5	
K4664-07	OR-02-091319-1	100	1.16	9.88	9.09	90.9	
K4664-08	OR-02-091319-2	101	1.14	9.96	9.03	89.5	
K4853-01	RI14-7- (24-30)	1	1.16	9.56	8.26	84.5	
K4853-02	RI14-4- (24-30)	2	1.12	9.67	7.98	80.2	
K4853-03	RI2-2- (30-36)	3	1.16	9.52	8.06	82.5	
K4853-04	AOC14-02-B4- (24-30)	4	1.15	9.55	8.43	86.7	
K4853-05	RI2-5- (30-36)	5	1.13	9.7	8.93	91.0	
K4853-06	RI14-3- (24-30)	6	1.14	9.6	8.12	82.5	
K4853-07	RI12-8- (30-36)	7	1.14	9.6	8.14	82.7	
K4853-08	RI2-1- (30-36)	8	1.14	9.73	7.86	78.2	
K4853-09	RI14-9- (24-30)	9	1.15	9.91	8.25	81.1	
K4853-10	RI14-06- (24-30)	10	1.15	9.66	8.14	82.1	
K4853-11	RI14-5- (30-36)	11	1.13	9.73	8.54	86.2	
K4853-12	RI14-5- (24-30)	12	1.15	9.72	8.39	84.5	
K4853-13	RI2-3- (30-36)	13	1.15	9.62	8.28	84.2	
K4853-14	RI14-08- (24-30)	14	1.14	9.52	8.27	85.1	
K4853-15	RI2-6- (30-36)	15	1.14	9.63	8.86	90.9	
K4853-16	RI2-7- (30-36)	16	1.13	9.52	7.51	76.0	
K4854-01	RI2-5- (24-30)	17	1.13	9.88	9.22	92.5	
K4854-02	RI14-9- (0-6)	18	1.14	9.81	9.51	96.5	
K4854-03	RI14-9- (6-12)	19	1.12	9.74	8.55	86.2	
K4854-04	RI14-9- (12-18)	20	1.14	9.54	9.00	93.6	
K4854-05	RI14-9- (18-24)	21	1.14	9.72	8.5	85.8	
K4854-06	RI14-6- (0-6)	22	1.13	9.8	9.00	90.8	

PERCENT SOLID

Supervisor: apatel
 Analyst: jignesh
 Date: 9/16/2019

OVENTEMP IN Celsius(°C): 107
 Time IN: 17:10
 In Date: 09/13/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 102
 Time OUT: 08:27
 Out Date: 09/14/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 BalanceID: M SC-4
 Thermometer ID: %SOLIDS-OVEN

QC:LB105112

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
K4854-07	RI14-06-(6-12)	23	1.12	9.65	8.55	87.1	
K4854-08	RI14-06-(12-18)	24	1.16	9.56	8.46	86.9	
K4854-09	RI14-06-(18-24)	25	1.14	9.52	8.15	83.7	
K4854-10	RI2-1-(24-30)	26	1.12	9.67	8.12	81.9	
K4854-11	RI2-8-(0-6)	27	1.15	9.63	7.77	78.1	
K4854-12	RI2-8-(6-12)	28	1.14	9.67	8.76	89.3	
K4854-13	RI2-8-(12-18)	29	1.15	9.51	8.47	87.6	
K4854-14	RI2-8-(18-24)	30	1.15	9.53	8.29	85.2	
K4854-15	RI2-8-(24-30)	31	1.13	9.78	8.44	84.5	
K4854-16	RI2-6-(0-6)	32	1.13	9.84	9.3	93.8	
K4854-17	RI2-6-(6-12)	33	1.16	9.72	9.14	93.2	
K4854-18	RI2-6-(12-18)	34	1.12	9.78	9.09	92.0	
K4854-19	RI2-6-(18-24)	35	1.15	9.63	9.00	92.6	
K4854-20	RI2-6-(24-30)	36	1.13	9.74	8.81	89.2	
K4855-01	RI2-7-(0-6)	37	1.15	9.56	8.21	83.9	
K4855-02	RI2-7-(6-12)	38	1.12	9.72	8.73	88.5	
K4855-03	RI2-7-(12-18)	39	1.12	9.7	8.42	85.1	
K4855-04	RI2-7-(18-24)	40	1.13	9.83	8.48	84.5	
K4855-05	RI2-7-(24-30)	41	1.13	9.58	8.26	84.4	
K4855-06	RI2-5-(0-6)	42	1.14	9.76	9.16	93.0	
K4855-07	RI2-5-(6-12)	43	1.16	9.66	9.06	92.9	
K4855-08	RI2-5-(12-18)	44	1.14	9.8	9.15	92.5	
K4855-09	RI2-5-(18-24)	45	1.14	9.82	9.22	93.1	
K4855-10	RI14-07-(0-6)	46	1.14	9.83	9.17	92.4	
K4855-11	RI14-07-(6-12)	47	1.12	9.68	8.94	91.4	
K4855-12	RI14-07-(12-18)	48	1.14	9.81	8.39	83.6	
K4855-13	RI14-07-(18-24)	49	1.13	9.83	8.66	86.6	
K4855-14	RI14-4-(18-24)	50	1.13	9.8	8.61	86.3	

PERCENT SOLID

Supervisor: apatel
 Analyst: jignesh
 Date: 9/16/2019

OVENTEMP IN Celsius(°C): 107
 Time IN: 17:10
 In Date: 09/13/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 102
 Time OUT: 08:27
 Out Date: 09/14/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 BalanceID: M SC-4
 Thermometer ID: %SOLIDS-OVEN

QC:LB105112

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
K4855-15	RI14-08-(18-24)	51	1.14	9.62	7.63	76.5	
K4855-16	RI14-08-(12-18)	52	1.14	9.62	8.59	87.9	
K4855-17	RI14-3-(18-24)	53	1.13	9.75	8.53	85.8	
K4855-18	AOC14-0804-(12-18)	54	1.14	9.7	8.58	86.9	
K4855-19	AOC14-0804-(18-24)	55	1.13	9.54	8.43	86.8	
K4856-01	RI14-08-(0-6)	56	1.12	9.8	9.08	91.7	
K4856-02	RI14-08-(6-12)	57	1.13	9.65	8.69	88.7	
K4856-03	RI14-05-(18-24)	58	1.14	9.74	8.32	83.5	
K4856-04	RI2-2-(24-30)	59	1.13	9.62	8.43	86.0	
K4856-05	RI2-3-(24-30)	60	1.14	9.54	8.3	85.2	
K4856-06	DUP-1	61	1.13	9.96	9.22	91.6	
K4856-07	DUP-2	62	1.13	9.77	9.44	96.2	
K4856-08	DUP-3	63	1.15	9.63	9.03	92.9	
K4860-01	IDW-SOIL-091119	64	1.14	9.53	7.78	79.1	
K4877-02	CSA2-2	65	1.13	9.8	8.94	90.1	
K4877-03	CSA2-2-1	66	1.15	9.87	8.63	85.8	
K4877-04	CSA2-2-2	67	1.14	9.52	8.7	90.2	
K4877-05	CSA2-2-3	68	1.15	9.9	8.81	87.5	
K4877-06	CSA2-3	69	1.12	9.85	8.57	85.3	
K4877-07	CSA2-3-2	70	1.15	9.64	8.92	91.5	
K4877-08	CSA2-3-4	71	1.13	9.65	8.79	89.9	
K4877-09	CSA2-4	72	1.14	9.66	9.05	92.8	
K4877-10	CSA2-4-1	73	1.14	9.68	9.00	92.0	
K4878-01	CSA-2-4-2	74	1.15	9.87	9.24	92.8	
K4878-02	CSA-2-4-3	75	1.14	9.77	9.09	92.1	
K4878-03	CSA-2-6	76	1.14	9.83	9.03	90.8	
K4878-04	CSA-2-6-2	77	1.14	9.88	9.33	93.7	
K4878-05	CSA-2-6-4	78	1.14	9.56	8.68	89.5	

PERCENT SOLID

Supervisor: apatel
 Analyst: jignesh
 Date: 9/16/2019

OVENTEMP IN Celsius(°C): 107
 Time IN: 17:10
 In Date: 09/13/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 102
 Time OUT: 08:27
 Out Date: 09/14/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 BalanceID: M SC-4
 Thermometer ID: %SOLIDS-OVEN

QC:LB105112

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
K4878-06	CSA-2-7	79	1.12	9.73	8.9	90.4	
K4878-07	CSA-2-7-2	80	1.12	9.54	8.82	91.4	
K4878-08	CSA-2-7-4	81	1.15	9.66	8.6	87.5	
K4878-09	CSA-2-8	82	1.13	9.58	8.55	87.8	
K4878-10	CSA-2-8-1	83	1.15	9.67	9.00	92.1	
K4878-11	CSA-2-8-2	84	1.14	9.84	8.61	85.9	
K4878-12	CSA-2-8-3	85	1.15	9.68	8.36	84.5	
K4878-13	CSA-2-9	86	1.13	9.6	8.49	86.9	
K4878-14	CSA-2-9-2	87	1.12	9.75	8.44	84.8	
K4878-15	CSA-2-9-4	88	1.14	9.55	8.41	86.4	
K4878-16	TPA-9	89	1.15	9.61	8.83	90.8	
K4878-17	TPA-9	90	1.15	9.88	8.97	89.6	
K4878-26	CSA-2-1	91	1.15	9.8	9.12	92.1	
K4878-27	CSA-2-1-2	92	1.14	9.54	8.78	91.0	
K4878-28	CSA-4-1-4	93	1.15	9.68	8.99	91.9	
K4884-01	6INCH-PIT	102	1.13	9.88	9.19	92.1	
K4885-01	RT-1868-RBR-200035	103	1.14	9.6	8.02	81.3	
K4886-01	TP-13-S1 (1.5-2)	104	1.14	9.71	8.82	89.6	
K4886-02	TP-13-S2 (3.5-4)	105	1.13	9.86	9.06	90.8	
K4886-03	TP-13-S (1.5-4)	106	1.13	9.74	9.04	91.9	
K4888-01	979-S-1- (18-19)	94	1.13	9.8	9.14	92.4	
K4888-02	980-B-1- (24)	95	1.13	9.57	8.21	83.9	
K4888-03	981-S-2- (20)	96	1.15	9.64	8.74	89.4	
K4889-01	DRUM-COMP	107	1.15	9.57	9.06	93.9	
K4893-01	RBR-200059-RT-1494	108	1.16	9.76	8.26	82.6	
K4897-01	RT-3425	109	1.12	9.73	8.92	90.6	
K4897-03	RBR-200028	110	1.14	9.64	9.14	94.1	
K4897-05	RBR-200052	111	1.13	9.65	9.37	96.7	

PERCENT SOLID

Supervisor: apatel
 Analyst: jignesh
 Date: 9/16/2019

OVENTEMP IN Celsius(°C): 107
 Time IN: 17:10
 In Date: 09/13/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 102
 Time OUT: 08:27
 Out Date: 09/14/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 BalanceID: M SC-4
 Thermometer ID: %SOLIDS-OVEN

QC:LB105112

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
K4898-01	FDS-1	112	1.00	2.00	2.00	100.0	CAULKING SAMPLE 100% SOLIDS
K4898-02	WJC-1	113	1.00	2.00	2.00	100.0	CAULKING SAMPLE 100% SOLIDS
K4898-03	6-7-EXJC-1	114	1.00	2.00	2.00	100.0	CAULKING SAMPLE 100% SOLIDS
K4899-05	SVOC-GPC-BLANK	115	1.00	2.00	2.00	100.0	
K4899-06	PEST-GPC-BLANK	116	1.00	2.00	2.00	100.0	
K4899-07	PEST-GPC-BLANK-SPIKE	117	1.00	2.00	2.00	100.0	
K4899-08	PCB-GPC-BLANK	118	1.00	2.00	2.00	100.0	
K4899-09	PCB-GPC-BLANK-SPIKE	119	1.00	2.00	2.00	100.0	
K4899-10	SVOC-GPC2-BLANK	120	1.00	2.00	2.00	100.0	
K4899-11	PEST-GPC2-BLANK	121	1.00	2.00	2.00	100.0	
K4899-12	PEST-GPC2-BLANK-SPIKE	122	1.00	2.00	2.00	100.0	
K4899-13	PCB-GPC2-BLANK	123	1.00	2.00	2.00	100.0	
K4899-14	PCB-GPC2-BLANK -SPIKE	124	1.00	2.00	2.00	100.0	
K4900-01	RBR-200027-RBR-200049	125	1.14	9.94	9.58	95.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

105112

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-091319 WorkList ID : 130913 Department : Wet-Chemistry Date : 09-13-2019 08:33:28

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
09/18/2019	Solid	K4661-04	Percent Solids	Cool 4 deg C	PSEG05		HD-02-091319	09/13/2019	Chemtech -SO
09/18/2019	Solid	K4661-05	Percent Solids	Cool 4 deg C	PSEG05		HD-02-091319	09/13/2019	Chemtech -SO
09/18/2019	Solid	K4664-06	Percent Solids	Cool 4 deg C	PSEG05		OR-02-091319	09/13/2019	Chemtech -SO
09/18/2019	Solid	K4664-07	Percent Solids	Cool 4 deg C	PSEG05		OR-02-091319-1	09/13/2019	Chemtech -SO
09/18/2019	Solid	K4664-08	Percent Solids	Cool 4 deg C	PSEG05		OR-02-091319-2	09/13/2019	Chemtech -SO
09/20/2019	Solid	K4853-01	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-7-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-02	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-4-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-03	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-2-(30-36)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-04	Percent Solids	Cool 4 deg C	AREC01	L13	AOC14-02-B4-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-05	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-5-(30-36)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-06	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-3-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-07	Percent Solids	Cool 4 deg C	AREC01	L13	RI12-8-(30-36)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-08	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-1-(30-36)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-09	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-9-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-10	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-06-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-11	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-5-(30-36)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-12	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-5-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-13	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-3-(30-36)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-14	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-08-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-15	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-6-(30-36)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4853-16	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-7-(30-36)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-01	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-5-(24-30)	09/10/2019	Chemtech -SO

Date/Time 09.13.19 15.45 Date/Time 09.13.19 17.135
 Received by: JN Received by: CO
 Relinquished by: cb Relinquished by: JP



YB105112

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-091319

WorkList ID : 130913

Department : Wet-Chemistry

Date : 09-13-2019 08:33:28

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
09/20/2019	Solid	K4854-02	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-9-(0-6)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-03	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-9-(6-12)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-04	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-9-(12-18)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-05	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-9-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-06	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-6-(0-6)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-07	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-06-(6-12)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-08	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-06-(12-18)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-09	Percent Solids	Cool 4 deg C	AREC01	L13	RI14-06-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-10	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-1-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-11	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-8-(0-6)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-12	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-8-(6-12)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-13	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-8-(12-18)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-14	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-8-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-15	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-8-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-16	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-6-(0-6)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-17	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-6-(6-12)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-18	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-6-(12-18)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-19	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-6-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4854-20	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-6-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-01	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-7-(0-6)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-02	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-7-(6-12)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-03	Percent Solids	Cool 4 deg C	AREC01	L13	RI2-7-(12-18)	09/10/2019	Chemtech -SO

Date/Time 09-13-19 15:45 Date/Time 09-13-19 17:35
 Received by: Jg ca Received by: ca
 Relinquished by: Jg ca Relinquished by: Jg



10105112

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-091319 WorkList ID : 130913 Department : Wet-Chemistry Date : 09-13-2019 08:33:28

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
09/20/2019	Solid	K4855-04	Percent Solids	Cool 4 deg C	AREC01	L13	R12-7-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-05	Percent Solids	Cool 4 deg C	AREC01	L13	R12-7-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-06	Percent Solids	Cool 4 deg C	AREC01	L13	R12-5-(0-6)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-07	Percent Solids	Cool 4 deg C	AREC01	L13	R12-5-(6-12)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-08	Percent Solids	Cool 4 deg C	AREC01	L13	R12-5-(12-18)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-09	Percent Solids	Cool 4 deg C	AREC01	L13	R12-5-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-10	Percent Solids	Cool 4 deg C	AREC01	L13	R114-07-(0-6)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-11	Percent Solids	Cool 4 deg C	AREC01	L13	R114-07-(6-12)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-12	Percent Solids	Cool 4 deg C	AREC01	L13	R114-07-(12-18)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-13	Percent Solids	Cool 4 deg C	AREC01	L13	R114-07-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-14	Percent Solids	Cool 4 deg C	AREC01	L13	R114-4-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-15	Percent Solids	Cool 4 deg C	AREC01	L13	R114-08-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-16	Percent Solids	Cool 4 deg C	AREC01	L13	R114-08-(12-18)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-17	Percent Solids	Cool 4 deg C	AREC01	L13	R114-3-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-18	Percent Solids	Cool 4 deg C	AREC01	L13	AOC14-0804-(12-18)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4855-19	Percent Solids	Cool 4 deg C	AREC01	L13	AOC14-0804-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4856-01	Percent Solids	Cool 4 deg C	AREC01	L13	R114-08-(0-6)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4856-02	Percent Solids	Cool 4 deg C	AREC01	L13	R114-08-(6-12)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4856-03	Percent Solids	Cool 4 deg C	AREC01	L13	R114-05-(18-24)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4856-04	Percent Solids	Cool 4 deg C	AREC01	L13	R12-2-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4856-05	Percent Solids	Cool 4 deg C	AREC01	L13	R12-3-(24-30)	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4856-06	Percent Solids	Cool 4 deg C	AREC01	L13	DUP-1	09/10/2019	Chemtech -SO

Date/Time 09-13-19 15:45 Date/Time 09-13-19 Received by: JP Relinquished by: JP



LB105112

WORKLIST(Hardcopy Internal Chain)

WorkList Name: %1-091319 WorkList ID: 130913 Department: Wet-Chemistry Date: 09-13-2019 08:33:28

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
09/20/2019	Solid	K4856-07	Percent Solids	Cool 4 deg C	AREC01	L13	DUP-2	09/10/2019	Chemtech -SO
09/20/2019	Solid	K4856-08	Percent Solids	Cool 4 deg C	AREC01	L13	DUP-3	09/10/2019	Chemtech -SO
09/18/2019	Solid	K4860-01	Percent Solids	Cool 4 deg C	JACO05	L21	IDW-SOIL-091119	09/11/2019	Chemtech -SO
09/22/2019	Solid	K4877-02	Percent Solids	Cool 4 deg C	VERI01	L22	CSA2-2	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4877-03	Percent Solids	Cool 4 deg C	VERI01	L22	CSA2-2-1	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4877-04	Percent Solids	Cool 4 deg C	VERI01	L22	CSA2-2-2	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4877-05	Percent Solids	Cool 4 deg C	VERI01	L22	CSA2-2-3	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4877-06	Percent Solids	Cool 4 deg C	VERI01	L22	CSA2-3	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4877-07	Percent Solids	Cool 4 deg C	VERI01	L22	CSA2-3-2	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4877-08	Percent Solids	Cool 4 deg C	VERI01	L22	CSA2-3-4	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4877-09	Percent Solids	Cool 4 deg C	VERI01	L22	CSA2-4	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4877-10	Percent Solids	Cool 4 deg C	VERI01	L22	CSA2-4-1	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-01	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-4-2	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-02	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-4-3	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-03	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-6	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-04	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-6-2	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-05	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-6-4	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-06	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-7	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-07	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-7-2	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-08	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-7-4	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-09	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-8	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-10	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-8-1	09/12/2019	Chemtech -SO

Date/Time: 09.13.19 15:45 Date/Time: 09.13.19 17:55
 Received by: JP Received by: CO
 Relinquished by: CF Relinquished by: JP



YB105112

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-091319

WorkList ID : 130913

Department : Wet-Chemistry

Date : 09-13-2019 08:33:28

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
09/22/2019	Solid	K4878-11	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-8-2	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-12	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-8-3	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-13	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-9	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-14	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-9-2	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-15	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-9-4	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-16	Percent Solids	Cool 4 deg C	VERI01	L22	TPA-9	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-17	Percent Solids	Cool 4 deg C	VERI01	L22	TPA-9	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-26	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-1	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-27	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-2-1-2	09/12/2019	Chemtech -SO
09/22/2019	Solid	K4878-28	Percent Solids	Cool 4 deg C	VERI01	L22	CSA-4-1-4	09/12/2019	Chemtech -SO
09/18/2019	Solid	K4884-01	Percent Solids	Cool 4 deg C	PSEG01	J42	6INCH-PIT	09/13/2019	Chemtech -SO
09/18/2019	Solid	K4885-01	Percent Solids	Cool 4 deg C	PSEG01	J42	RT-1868-RBR-200034	09/13/2019	Chemtech -SO
09/20/2019	Solid	K4886-01	Percent Solids	Cool 4 deg C	PSEG01	J42	TP-13-S1(1.5-2)	09/12/2019	Chemtech -SO
09/20/2019	Solid	K4886-02	Percent Solids	Cool 4 deg C	PSEG01	J42	TP-13-S2(3.5-4)	09/12/2019	Chemtech -SO
09/20/2019	Solid	K4886-03	Percent Solids	Cool 4 deg C	PSEG01	J42	TP-13-S(1.5-4)	09/12/2019	Chemtech -SO
09/20/2019	Solid	K4888-01	Percent Solids	Cool 4 deg C	DAYE01	L22	979-S-1-(18-19)	09/12/2019	Chemtech -SO
09/20/2019	Solid	K4888-02	Percent Solids	Cool 4 deg C	DAYE01	L22	980-B-1-(24)	09/12/2019	Chemtech -SO
09/20/2019	Solid	K4888-03	Percent Solids	Cool 4 deg C	DAYE01	L22	981-S-2-(20)	09/12/2019	Chemtech -SO
09/20/2019	Solid	K4889-01	Percent Solids	Cool 4 deg C	PSEG01	J42	DRUM-COMP	09/13/2019	Chemtech -SO
09/19/2019	Solid	K4893-01	Percent Solids	Cool 4 deg C	PSEG01	J42	RBR-200059-RT-1494	09/13/2019	Chemtech -SO
09/18/2019	Solid	K4897-01	Percent Solids	Cool 4 deg C	PSEG01	J42	RT-3425	09/13/2019	Chemtech -SO
09/18/2019	Solid	K4897-03	Percent Solids	Cool 4 deg C	PSEG01	J42	RBR-200028	09/13/2019	Chemtech -SO

Date/Time 09.15.19 15:55 Date/Time 09.15.19 17:35
 Received by: Jh Received by: ca
 Relinquished by: cb Relinquished by: Jh



VB105112

WORKLIST(Hardcopy Internal Chain)

WorkList Name: %1-091319 WorkList ID: 130913 Department: Wet-Chemistry Date: 09-13-2019 08:33:28

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
09/18/2019	Solid	K4897-05	Percent Solids	Cool 4 deg C	PSEG01	J42	RBR-200052	09/13/2019	Chemtech -SO
09/20/2019	Solid	K4898-01	Percent Solids	Cool 4 deg C	LANG01	L22	FDS-1	09/12/2019	Chemtech -SO
09/20/2019	Solid	K4898-02	Percent Solids	Cool 4 deg C	LANG01	L22	WJC-1	09/12/2019	Chemtech -SO
09/20/2019	Solid	K4898-03	Percent Solids	Cool 4 deg C	LANG01	L22	6-7-EXJC-1	09/12/2019	Chemtech -SO
09/16/2019	Solid	K4899-05	Percent Solids	Cool 4 deg C	CHEM02	M11	SVOC-GPC-BLANK	09/06/2019	Chemtech -SO
09/16/2019	Solid	K4899-06	Percent Solids	Cool 4 deg C	CHEM02	M11	PEST-GPC-BLANK	09/06/2019	Chemtech -SO
09/16/2019	Solid	K4899-07	Percent Solids	Cool 4 deg C	CHEM02	M11	PEST-GPC-BLANK-SPIKE	09/06/2019	Chemtech -SO
09/16/2019	Solid	K4899-08	Percent Solids	Cool 4 deg C	CHEM02	M11	PCB-GPC-BLANK	09/06/2019	Chemtech -SO
09/16/2019	Solid	K4899-09	Percent Solids	Cool 4 deg C	CHEM02	M11	PCB-GPC-BLANK-SPIKE	09/06/2019	Chemtech -SO
09/16/2019	Solid	K4899-10	Percent Solids	Cool 4 deg C	CHEM02	M11	SVOC-GPC2-BLANK	09/06/2019	Chemtech -SO
09/16/2019	Solid	K4899-11	Percent Solids	Cool 4 deg C	CHEM02	M11	PEST-GPC2-BLANK	09/06/2019	Chemtech -SO
09/16/2019	Solid	K4899-12	Percent Solids	Cool 4 deg C	CHEM02	M11	PEST-GPC2-BLANK-SPIKE	09/06/2019	Chemtech -SO
09/16/2019	Solid	K4899-13	Percent Solids	Cool 4 deg C	CHEM02	M11	PCB-GPC2-BLANK	09/06/2019	Chemtech -SO
09/16/2019	Solid	K4899-14	Percent Solids	Cool 4 deg C	CHEM02	M11	PCB-GPC2-BLANK -SPIKE	09/06/2019	Chemtech -SO
09/19/2019	Solid	K4900-01	Percent Solids	Cool 4 deg C	PSEG01	J42	RBR-200027-RBR-200049	09/13/2019	Chemtech -SO

Date/Time: 09.13.19 15:45
 Received by: JJ
 Relinquished by: CD

Date/Time: 09.13.19 17:35
 Received by: CD
 Relinquished by: JJ



Prep Standard - Chemical Standard Summary

Order ID : K4888
Test : VOC-TCLVOA-10
Prepbatch ID :
Sequence ID/Qc Batch ID: VW092019,VX091919,VX092019,

Standard ID :

VP83997,VP83998,VP84295,VP84555,VP84558,VP84559,VP85867,VP85868,VP85889,VP85890,VP85892,VP85893,VP85894,VP85895,VP86164,VP86166,VP86173,VP86174,VP86175,VP86176,VP86480,VP86481,VP86482,VP86483,VP86484,VP86485,VP86799,VP86800,VP86801,VP86835,VP86838,VP86839,VP86840,VP86841,VP86842,VP86843,VP86941,VP86942,VP86943,VP86944,VP86945,VP86946,VP86947,VP86948,VP86988,VP86989,VP86990,VP86991,VP86992,VP86993,VP86996,VP86997,VP87002,VP87003,VP87004,VP87006,VP87008,VP87010,VP87012,VP87014,VP87019,

Chemical ID :

V10090,V10092,V10093,V10094,V10099,V10103,V10163,V10164,V10165,V10166,V10167,V10168,V1456,V7371,V7374,V7852,V8277,V8336,V8722,V8732,V8733,V8734,V9163,V9165,V9172,V9174,V9177,V9257,V9258,V9260,V9352,V9353,V9366,V9427,V9428,V9439,V9514,V9515,V9516,V9517,V9518,V9684,V9706,V9712,V9713,V9731,V9766,V9791,V9792,V9802,V9933,V9947,V9975,V9979,V9980,V9989,

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP83997	06/26/2019	12/25/2019	Semsettin Yesilyurt	None	None	mohammad ahmed 07/27/2019

FROM 0.100ml of V8732 + 24.900ml of V9684 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
250	8260 Surrogate, 10PPM	VP83998	06/26/2019	12/25/2019	Semsettin Yesilyurt	None	None	mohammad ahmed 07/27/2019

FROM 9.000ml of V9684 + 1.000ml of VP83997 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

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218	BFB, 25PPM	VP84295	07/08/2019	01/08/2020	Semsettin Yesilyurt	None	None	mohammad ahmed 07/16/2019

FROM 0.500ml of V7852 + 49.500ml of V9766 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
262	8260 Working STD (BCM)-Second source, 100PPM	VP84555	07/16/2019	01/11/2020	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/16/2019

FROM 1.000ml of V8722 + 9.000ml of V9975 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

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252	8260 Working STD (BCM)-First source, 100PPM	VP84558	07/16/2019	01/11/2020	Semsettin Yesilyurt	None	None	Maresh Dadoda 07/16/2019

FROM 1.000ml of V9172 + 19.000ml of V9975 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
254	8260 Working STD (BCM)-First source, 10PPM	VP84559	07/16/2019	01/12/2020	Semsettin Yesilyurt	None	None	Maresh Dadoda 07/16/2019

FROM 0.050ml of V9172 + 9.950ml of V9975 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP85867	08/27/2019	02/27/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/27/2019
FROM	0.500ml of V9177 + 1.500ml of V9163 + 1.500ml of V9165 + 1.500ml of V9174 + 20.000ml of V10094 = Final Quantity: 25.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
253	8260 Working STD (BCM)-First source, 20PPM	VP85868	08/27/2019	02/27/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/27/2019
FROM	0.500ml of V9177 + 49.500ml of V10094 = Final Quantity: 50.000 ml							

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VOC STANDARD PREPARATION LOG

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259	8260 Calibration Working STD Mix-Second source, 160PPM	VP85889	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 0.160ml of V9706 + 0.500ml of V9947 + 0.800ml of V9366 + 0.800ml of V9439 + 0.800ml of V9731 + 0.800ml of V9802 + 0.800ml of V9989 + 1.500ml of V9933 + 4.240ml of V10092 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
260	8260 Calibration Working STD Mix-Second source, 100PPM	VP85890	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 1.875ml of V10094 + 3.125ml of VP85889 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

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257	8260 Calibration Working STD Mix-First source, 160PPM	VP85892	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 0.400ml of V8336 + 0.500ml of V9353 + 0.500ml of V9427 + 0.500ml of V9713 + 0.500ml of V9792 + 0.500ml of V9980 + 1.000ml of V9257 + 1.500ml of V9258 + 1.500ml of V9260 + 1.500ml of V9352 + 1.500ml of V9428 + 1.500ml of V9712 + 1.500ml of V9791 + 1.500ml of V9979 + 10.600ml of V10094 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
244	8260 Calibration Working STD Mix-First source, 100PPM	VP85893	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 5.625ml of V10094 + 9.375ml of VP85892 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

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245	8260 Calibration Working STD Mix-First source, 20PPM	VP85894	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 17.500ml of V10094 + 2.500ml of VP85892 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
246	8260 Calibration Working STD Mix-First source, 10PPM	VP85895	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 9.375ml of V10094 + 0.625ml of VP85892 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

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263	8260 Working STD (Acrolein)-Second source,	VP86164	09/03/2019	09/27/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019
FROM	800PPM 0.400ml of V10168 + 1.200ml of V10167 + 8.400ml of V10093 = Final Quantity: 10.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
264	8260 Working STD (Acrolein)-Second source,	VP86166	09/03/2019	09/27/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019
FROM	500PPM 1.875ml of V10093 + 3.125ml of VP86164 = Final Quantity: 5.000 ml							

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51	8260 Working STD (Acrolein) -first source, 800PPM	VP86173	09/03/2019	09/28/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019
FROM	0.400ml of V10166 + 1.200ml of V10163 + 1.200ml of V10164 + 1.200ml of V10165 + 21.000ml of V10093 = Final Quantity: 25.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
56	8260 Working STD (Acrolein) -first source, 500PPM	VP86174	09/03/2019	09/28/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019
FROM	5.625ml of V10093 + 9.375ml of VP86173 = Final Quantity: 15.000 ml							

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VOC STANDARD PREPARATION LOG

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180	8260 Working STD (Acrolein)-First source, 100PPM	VP86175	09/03/2019	09/28/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019

FROM 17.500ml of V10093 + 2.500ml of VP86173 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
181	8260 Working STD (Acrolein)-First source, 50PPM	VP86176	09/03/2019	09/28/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019

FROM 9.375ml of V10093 + 0.625ml of VP86173 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

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1810	8260 Working Std(2-CVE)-800ppm	VP86480	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019
FROM	0.400ml of V9517 + 1.200ml of V9514 + 1.200ml of V9515 + 1.200ml of V9516 + 46.000ml of V10099 = Final Quantity: 50.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1811	8260 Working Std(2-CVE)-500ppm	VP86481	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019
FROM	7.500ml of V10099 + 12.500ml of VP86480 = Final Quantity: 20.000 ml							

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1812	8260 Working Std(2-CVE)-100ppm	VP86482	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 0.250ml of V9518 + 24.750ml of V10099 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1813	8260 Working Std(2-CVE)-50ppm	VP86483	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 18.750ml of V10099 + 1.250ml of VP86480 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

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1817	8260 Working Std(2-CVE)-SS, 800ppm	VP86484	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 1.600ml of V8277 + 18.400ml of V10099 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1819	8260 Working Std(2-CVE)-SS, 500ppm	VP86485	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 3.750ml of V10099 + 6.250ml of VP86484 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

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247	8260 Internal Standard, 250PPM	VP86799	09/17/2019	01/31/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/17/2019

FROM 0.500ml of V7371 + 49.500ml of V10103 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
617	8260 Surrogate, 400PPM	VP86800	09/17/2019	03/16/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/17/2019

FROM 0.400ml of V8734 + 24.600ml of V10103 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

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1738	8260 surrogate 20 ppm	VP86801	09/17/2019	03/16/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/17/2019

FROM 0.020ml of V8734 + 24.990ml of V10103 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
334	1 PPB ICC, 8260-Water	VP86835	09/17/2019	09/18/2019	John Carlone	None	None	Sweetuben Patel 09/17/2019

FROM 39.982ml of V1456 + 0.002ml of VP85868 + 0.002ml of VP85894 + 0.002ml of VP86175 + 0.002ml of VP86482 + 0.002ml of VP86801 + 0.008ml of VP86799 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
335	5 PPB ICC, 8260-Water	VP86838	09/17/2019	09/18/2019	John Carlone	None	None	Sweetuben Patel 09/17/2019

FROM 39.942ml of V1456 + 0.008ml of VP86799 + 0.010ml of VP85868 + 0.010ml of VP85894 + 0.010ml of VP86175 + 0.010ml of VP86482 + 0.010ml of VP86801 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
337	20 PPB ICC, 8260-Water	VP86839	09/17/2019	09/18/2019	John Carlone	None	None	Sweetuben Patel 09/17/2019

FROM 39.961ml of V1456 + 0.005ml of VP85892 + 0.005ml of VP86173 + 0.005ml of VP86480 + 0.008ml of VP83997 + 0.008ml of VP84558 + 0.008ml of VP86799 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
380	50 PPB ICC, 8260-Water	VP86840	09/17/2019	09/18/2019	John Carlone	None	None	Sweetuben Patel 09/17/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
381	100 PPB ICC, 8260-Water	VP86841	09/17/2019	09/18/2019	John Carlone	None	None	Sweetuben Patel 09/17/2019

FROM 39.897ml of V1456 + 0.008ml of VP86799 + 0.010ml of VP85867 + 0.010ml of VP86800 + 0.025ml of VP85892 + 0.025ml of VP86173 + 0.025ml of VP86480 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
382	150 PPB ICC, 8260-Water	VP86842	09/17/2019	09/18/2019	John Carlone	None	None	Sweetuben Patel 09/17/2019

FROM 39.850ml of V1456 + 0.008ml of VP86799 + 0.015ml of VP85867 + 0.015ml of VP86800 + 0.038ml of VP85892 + 0.038ml of VP86173 + 0.038ml of VP86480 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
385	50 PPB ICV, 8260-Water	VP86843	09/17/2019	09/18/2019	John Carlone	None	None	Sweetuben Patel 09/17/2019

FROM 39.930ml of V1456 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85889 + 0.013ml of VP86164 + 0.013ml of VP86484 + 0.020ml of VP84555 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP86941	09/19/2019	09/20/2019	John Carlone	None	None	Sweetuben Patel 09/19/2019

FROM 39.984ml of V1456 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP86942	09/19/2019	09/20/2019	John Carlone	None	None	Sweetuben Patel 09/19/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP86943	09/19/2019	09/20/2019	John Carlone	None	None	Sweetuben Patel 09/19/2019

FROM 39.984ml of V1456 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP86944	09/19/2019	09/20/2019	John Carlone	None	None	Sweetuben Patel 09/19/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP86945	09/19/2019	09/20/2019	John Carlone	None	None	Sweetuben Patel 09/19/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP86946	09/19/2019	09/20/2019	John Carlone	None	None	Sweetuben Patel 09/19/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP86947	09/19/2019	03/06/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/19/2019

FROM 0.200ml of V8733 + 49.800ml of V10090 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1917	8260 Internal standard 50 ppm	VP86948	09/19/2019	01/31/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/19/2019

FROM 0.100ml of V7374 + 49.900ml of V10090 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP86988	09/20/2019	09/21/2019	John Carlone	None	None	Sweetuben Patel 09/20/2019

FROM 39.984ml of V1456 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP86989	09/20/2019	09/21/2019	John Carlone	None	None	Sweetuben Patel 09/20/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP86990	09/20/2019	09/21/2019	John Carlone	None	None	Sweetuben Patel 09/20/2019

FROM 39.984ml of V1456 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP86991	09/20/2019	09/21/2019	John Carlone	None	None	Sweetuben Patel 09/20/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP86992	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.998ml of V1456 + 0.002ml of VP84295 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP86993	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.998ml of V1456 + 0.002ml of VP84295 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP86996	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP84558 + 0.003ml of VP85893 + 0.003ml of VP86174 + 0.003ml of VP86481 + 0.003ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP86997	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP84558 + 0.003ml of VP85893 + 0.003ml of VP86174 + 0.003ml of VP86481 + 0.003ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP87002	09/20/2019	09/21/2019	John Carlone	None	None	Vimala Arumugam 09/20/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP87003	09/20/2019	09/21/2019	John Carlone	None	None	Vimala Arumugam 09/20/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
267	5 PPB ICC, 8260-SOIL	VP87004	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP83998 + 0.003ml of VP84559 + 0.003ml of VP85895 + 0.003ml of VP86176 + 0.003ml of VP86483 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
269	10 PPB ICC, 8260-SOIL	VP87006	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP85868 + 0.003ml of VP85894 + 0.003ml of VP86175 + 0.003ml of VP86482 + 0.003ml of VP86801 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
270	20 PPB ICC, 8260-SOIL	VP87008	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.965ml of V1456 + 0.005ml of VP85868 + 0.005ml of VP85894 + 0.005ml of VP86175 + 0.005ml of VP86482 + 0.005ml of VP86801 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
273	50 PPB ICC, 8260-SOIL	VP87010	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP84558 + 0.003ml of VP85893 + 0.003ml of VP86174 + 0.003ml of VP86481 + 0.003ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
280	100 PPB ICC, 8260-SOIL	VP87012	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.965ml of V1456 + 0.005ml of VP84558 + 0.005ml of VP85893 + 0.005ml of VP86174 + 0.005ml of VP86481 + 0.005ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1653	150 PPB ICC,8260-SOIL	VP87014	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.950ml of V1456 + 0.005ml of VP86948 + 0.008ml of VP84558 + 0.008ml of VP85893 + 0.008ml of VP86174 + 0.008ml of VP86481 + 0.008ml of VP86947 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
287	50 PPB ICV, 8260-SOIL	VP87019	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019
FROM	4.980ml of V1456 + 0.003ml of VP84555 + 0.003ml of VP85890 + 0.003ml of VP86166 + 0.003ml of VP86485 + 0.003ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml							

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/19/2020	09/19/2019 / sam	08/19/2019 / SAM	V10090

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	02/27/2020	08/27/2019 / pedro	08/19/2019 / SAM	V10092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/03/2020	09/03/2019 / john	08/19/2019 / SAM	V10093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	02/27/2020	08/27/2019 / sam	08/19/2019 / SAM	V10094

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/11/2020	09/11/2019 / sam	08/19/2019 / SAM	V10099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/16/2020	09/16/2019 / sam	08/19/2019 / SAM	V10103

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082819	09/28/2019	08/29/2019 / sam	08/29/2019 / sam	V10163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082819	09/28/2019	08/29/2019 / sam	08/29/2019 / sam	V10164

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082819	09/28/2019	08/29/2019 / sam	08/29/2019 / sam	V10165

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082819	09/28/2019	08/29/2019 / sam	08/29/2019 / sam	V10166

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082719	09/27/2019	08/29/2019 / sam	08/29/2019 / sam	V10167

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082719	09/27/2019	08/29/2019 / sam	08/29/2019 / sam	V10168

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Res-Kem General water	DIW / DI Water	DAILY	12/31/2019	03/01/2010 / apatel	03/02/2010 / apatel	V1456

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0123929	01/31/2020	09/16/2019 / sam	01/06/2017 / Sam	V7371

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0123929	01/31/2020	09/19/2019 / sam	01/06/2017 / Sam	V7374

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuning solution	A0127174	01/08/2020	07/08/2019 / sam	08/10/2017 / sam	V7852

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	012218	03/11/2020	09/11/2019 / sam	01/23/2018 / sam	V8277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0133055	01/10/2020	07/10/2019 / SAM	02/27/2018 / sam	V8336

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	072918	01/16/2020	07/16/2019 / SAM	07/27/2018 / sam	V8722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0140077	12/26/2019	06/26/2019 / sam	07/31/2018 / sam	V8732

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0140077	03/06/2020	09/06/2019 / sam	07/31/2018 / sam	V8733

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0140077	03/16/2020	09/16/2019 / sam	07/31/2018 / sam	V8734

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	02/27/2020	08/27/2019 / sam	11/21/2018 / sam	V9163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	02/27/2020	08/27/2019 / sam	11/21/2018 / sam	V9165

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	01/16/2020	07/16/2019 / SAM	11/21/2018 / sam	V9172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	02/27/2020	08/27/2019 / sam	11/21/2018 / sam	V9174

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	02/27/2020	08/27/2019 / sam	11/21/2018 / sam	V9177

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0141722	12/31/2021	08/28/2019 / sam	01/04/2019 / sam	V9257

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0141722	02/28/2020	08/28/2019 / sam	01/04/2019 / sam	V9258

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0141722	02/28/2020	08/28/2019 / sam	01/04/2019 / sam	V9260

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010719	02/23/2020	08/23/2019 / sam	01/08/2019 / sam	V9352

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010719	02/23/2020	08/23/2019 / sam	01/08/2019 / sam	V9353

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010419	02/23/2020	08/23/2019 / sam	01/08/2019 / sam	V9366

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0144104	02/28/2020	08/28/2019 / sam	02/01/2019 / sam	V9427

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0144104	02/28/2020	08/28/2019 / sam	02/01/2019 / sam	V9428

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0140223	02/28/2020	08/28/2019 / sam	02/01/2019 / sam	V9439

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9514

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9516

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	202813	05/18/2020	06/25/2019 / Sam	05/02/2019 / sam	V9684

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0141192	06/05/2020	06/05/2019 / sam	05/03/2019 / sam	V9706

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050119	02/23/2020	08/23/2019 / sam	05/03/2019 / sam	V9712

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050119	02/23/2020	08/23/2019 / sam	05/03/2019 / sam	V9713

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050219	02/23/2020	08/23/2019 / sam	05/06/2019 / sam	V9731

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	01/08/2020	07/08/2019 / sam	06/03/2019 / sam	V9766

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0149877	12/31/2019	08/23/2019 / sam	06/13/2019 / sam	V9791

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0149877	12/31/2019	08/23/2019 / sam	06/13/2019 / sam	V9792

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0148751	11/30/2019	08/23/2019 / sam	06/13/2019 / sam	V9802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0147569	02/28/2020	08/28/2019 / sam	06/24/2019 / Sam	V9933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0147569	02/28/2020	08/28/2019 / sam	06/24/2019 / Sam	V9947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	202404	01/12/2020	07/12/2019 / pedro	07/02/2019 / sam	V9975

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150565	01/31/2020	08/23/2019 / sam	07/08/2019 / SAM	V9979

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150565	01/31/2020	08/23/2019 / sam	07/08/2019 / SAM	V9980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150346	12/31/2019	07/10/2019 / SAM	07/10/2019 / SAM	V9989



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 012218
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol
Lot# DS435

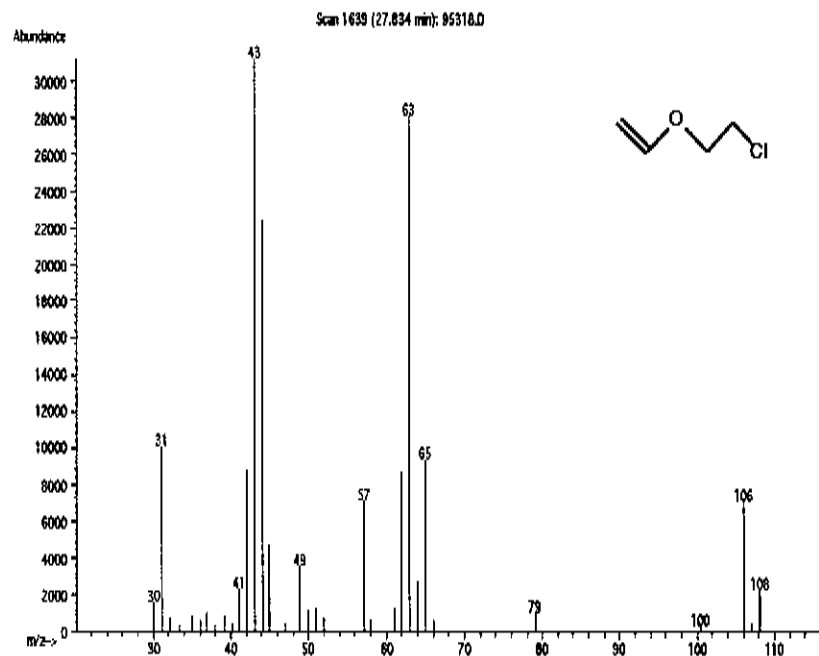
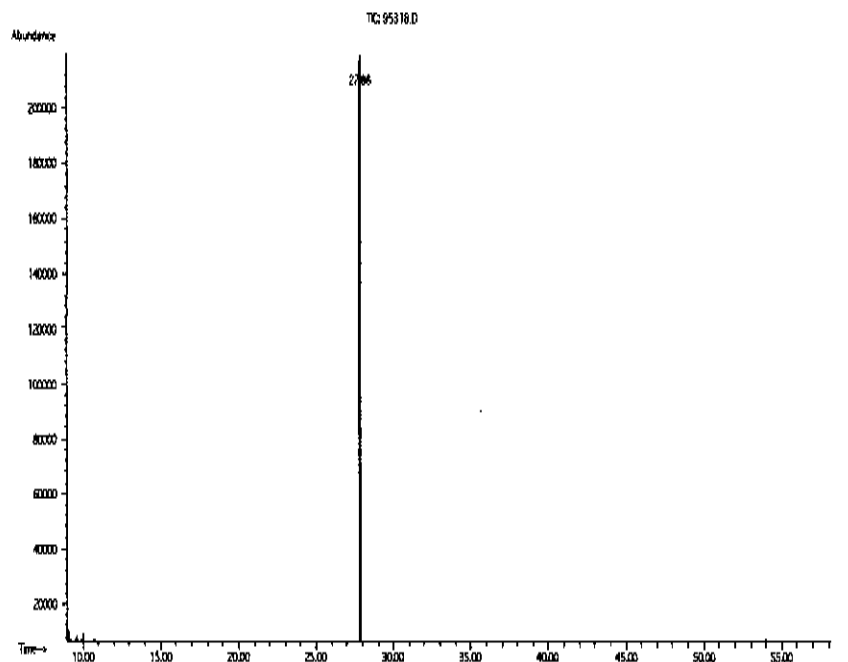
<i>Mario Luis</i>	012218
Formulated By: Mario Luis	DATE
<i>Pedro L. Rentas</i>	012218
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 012221
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2508734D
Weight(s) shown below were combined and diluted to (mL): 25.0
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LDSO
1. 2-Chloroethyl vinyl ether	74	03208CI	10000	99	0.2	0.25256	0.02528	1000.9	5.7	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0123929

Description : Custom 8260 Internal Standard Mix
Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2020 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Concentration (weight/volume)	Expansion Uncertainty (95% C.I. K=2)	Method
1	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 Purity 99% (Lot PR-18488)	25,088.0 µg/mL	+/- 232.1691 µg/mL	Gravimetric
			+/- 1,418.2089 µg/mL	Unstressed
			+/- 1,450.8610 µg/mL	Stressed
2	1,4-Difluorobenzene CAS # 540-36-3 Purity 99% (Lot MKBN8571V)	25,144.0 µg/mL	+/- 232.6873 µg/mL	Gravimetric
			+/- 1,421.3746 µg/mL	Unstressed
			+/- 1,454.0995 µg/mL	Stressed
3	Chlorobenzene-d5 CAS # 3114-55-4 Purity 99% (Lot PR-23926)	25,012.0 µg/mL	+/- 231.4658 µg/mL	Gravimetric
			+/- 1,413.9127 µg/mL	Unstressed
			+/- 1,446.4658 µg/mL	Stressed
4	Pentafluorobenzene CAS # 363-72-4 Purity 99% (Lot MKBT9337V)	25,224.0 µg/mL	+/- 233.4276 µg/mL	Gravimetric
			+/- 1,425.8969 µg/mL	Unstressed
			+/- 1,458.7260 µg/mL	Stressed



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0127174
Description : 4-Bromofluorobenzene Standard
4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
			+/-	µg/mL	µg/mL	Method
1	1-Bromo-4-fluorobenzene (BFB)	2,506.0 µg/mL	+/-	14.7066	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 01127COV)		+/-	140.5232	µg/mL	Unstressed
	Purity 99%		+/-	143.8106	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1666
Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0133055

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95%, G1, K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBG9852V)	50,032.0 µg/mL	+/- 292.9484 µg/mL +/- 1,071.7518 µg/mL +/- 1,102.8773 µg/mL Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000202404
 Manufactured Date: 2018/05/21
 Expiration Date: 2020/05/18
 Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.2000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC

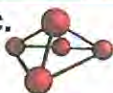


Phillipsburg, NJ 9001:2015, FSSC 22000
 Paris, KY 9001:2008
 Mexico City, Mexico 9001:2008
 Gliwice, Poland 9001:2008
 Selangor, Malaysia 9001:2008
 Dehradun, India, 9001:2008, 14001:2004, 13485:2003
 Mumbai, India, 9001:2015, 17025:2005
 Panoli, India 9001:2015

James Ethier
 Jamie Ethier
 Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
 Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **010419**
Description: **Universal VOA Megamix**
69 components

Solvent(s): **Lot#**
Methanol **DT14006**

Expiration Date: **010422**
Recommended Storage: **Freezer (0 °C)**
Nominal Concentration (µg/mL): **2000**
NIST Test ID#: **2684186**

<i>Eli Alaga</i>		010419
Formulated By:	Eli Alaga	DATE
<i>Padro L. Renias</i>		010419
Reviewed By:	Padro L. Renias	DATE

Weight(s) shown below were combined and diluted to (mL): **100.0 0.001** Balance Uncertainty **5E-05** Pipette Uncertainty **0.001**

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc. (µg/mL)	Nominal Conc. (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Expanded Uncertainty		SDS Information (Solvent Safety Info. On Attached pg.)		
												Actual Conc. (µg/mL)	(+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	060812	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20040	2001.8	8.1	75-05-8	40 ppm (70mg/m3/8H)	ori-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20210	2000.6	8.1	107-05-1	1 ppm (3mg/m3/8H)	ori-rat 700mg/kg
3. Carbon disulphide	(0080)	MKB26689V	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20215	2001.1	8.1	75-15-0	4 ppm (12mg/m3) (skin)	ori-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95.0	0.2	NA	0.21055	0.21060	2000.5	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP0041V	NA	NA	NA	2000	96.5	0.2	NA	0.20728	0.20745	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	209453	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20210	2000.6	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126FX	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20220	2001.6	8.1	97-83-2	N/A	ori-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF718V	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20140	2003.7	8.1	74-88-4	5 ppm(20mg/m3/8H)(skin)	ori-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20110	2000.7	8.1	78-83-1	50 ppm (150mg/m3/8H)	ori-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20215	2001.1	8.1	126-98-7	1 ppm (3mg/m3/8H)(skin)	ori-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.0	0.2	NA	0.20022	0.20120	2009.8	8.1	98-39-3	10 ppm(35mg/m3/8H)(skin)	ori-rat 277mg/kg
12. Methyl methacrylate	(0404)	03021BX	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20225	2002.8	8.1	80-62-6	100 ppm (410mg/m3/8H)	ori-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20220	2001.6	8.1	98-95-3	1 ppm (5mg/m3/8H)(skin)	ori-rat 780mg/kg
14. 2-Nitropropane	(0481)	14002JX	NA	NA	NA	2000	95.0	0.2	NA	0.21055	0.21060	2000.5	8.5	79-46-9	10 ppm (35mg/m3/8H)	ori-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98.0	0.2	NA	0.20410	0.20425	2001.4	8.2	76-01-7	N/A	N/A
16. 1,1,2-Trichloro-1,1,2-difluoroethane	(0474)	18930	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20215	2001.1	8.1	76-13-1	1000 ppm (7600mg/m3/8H)	ori-rat 439mg/kg
17. Bromodichloromethane	35171	051118	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	75-27-4	N/A	ori-rat 916mg/kg
18. Dibromochloromethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	124-48-1	N/A	ori-rat 848mg/kg
19. cis-1,2-Dichloroethane	35171	051118	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	1999.9	15.8	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	156-60-5	N/A	ori-rat 1235mg/kg
21. Methylene chloride	35171	051118	0.05	5.00	40003.2	2000	NA	NA	0.017	NA	NA	1999.9	15.8	75-09-2	500 ppm	ori-rat 820mg/kg
22. 1,1-Dichloroethane	32251	122818	0.10	10.00	20005.5	2000	NA	NA	0.042	NA	NA	2000.3	18.7	75-35-4	1 ppm (4mg/m3/8H)	ori-rat 200mg/kg
23. Bromoform	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	75-25-2	0.5 ppm (5mg/m3)	ori-rat 933mg/kg
24. Carbon tetrachloride	95321	010419	0.10	10.00	20001.3	2000	NA	NA	0.042	NA	NA	1999.9	18.7	56-23-5	2 ppm (12.6mg/m3/8H)	ori-rat 2350mg/kg
25. Chloroform	95321	010419	0.10	10.00	20001.8	2000	NA	NA	0.042	NA	NA	2000.0	18.7	67-66-3	80 ppm (240mg/m3) (CL)	ori-rat 608mg/kg
26. Dibromomethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	74-95-3	N/A	ori-rat 108mg/kg
27. 1,1-Dichloroethane	95321	010419	0.10	10.00	20000.8	2000	NA	NA	0.042	NA	NA	1999.9	18.7	75-34-3	100 ppm	ori-rat 725mg/kg
28. 2,2-Dichloropropane	95321	010419	0.10	10.00	20002.1	2000	NA	NA	0.042	NA	NA	2000.0	18.7	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	010419	0.10	10.00	20002.2	2000	NA	NA	0.042	NA	NA	2000.0	18.7	127-18-4	25 ppm (170mg/m3/8H)(linal)	ori-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	71-55-6	350 ppm (1900mg/m3/8H)	ori-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-12-8	0.001 ppm	ori-rat 170mg/kg
32. 1,2-Dibromoethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	108-93-4	20 ppm (8H)	ori-rat 108mg/kg
33. 1,2-Dichloroethane	35161	052418	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	107-06-2	50 ppm (8H)	ori-rat 670mg/kg
34. 1,2-Dichloropropane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	78-87-5	76 ppm (350mg/m3/8H)	ori-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	052418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	052418	0.05	5.00	39839.5	2000	NA	NA	0.017	NA	NA	1981.8	24.2	563-68-8	N/A	N/A
37. cis-1,3-Dichloropropene	35161	052418	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	16.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	052418	0.05	5.00	40000.9	2000	NA	NA	0.017	NA	NA	1999.8	15.8	87-68-3	0.02 ppm (0.24mg/m3/8H)	ori-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	630-20-6	N/A	ori-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	79-34-5	5 ppm (35mg/m3/9H)(skin)	ori-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	15.9	79-00-5	10 ppm (45mg/m3/8H)(skin)	ori-rat 836mg/kg
43. Trichloroethane	35161	052418	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.8	15.8	79-01-6	50 ppm (270mg/m3/8H)	ori-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-18-4	10 ppm (60mg/m3/8H)	ori-rat 149.6mg/kg
45. Benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	71-43-2	1 ppm	ori-rat 4894mg/kg
46. Bromobenzene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-96-1	N/A	ori-rat 2699mg/kg
47. n-Butyl benzene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	104-51-8	N/A	N/A
48. Ethyl benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-41-4	100 ppm (439mg/m3/8H)	ori-rat >2000mg/kg
49. p-Isopropyl toluene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	99-87-6	N/A	ori-rat 4750mg/kg
50. Naphthalene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	91-20-3	10 ppm (50mg/m3/8H)	ori-rat 490mg/kg
51. Styrene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-42-5	100 ppm	ori-rat 5000mg/kg
52. Toluene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-88-3	200 ppm	ori-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	060418	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	87-61-6	N/A	lpr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	120-82-1	5 ppm (CL) (40mg/m3)	ori-rat 760mg/kg
55. 1,2,4-Trimethylbenzene	35162	060418	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	95-63-6	N/A	ori-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	060418	0.05	5.00	40000.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	108-67-8	N/A	N/A
57. m-Xylene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-38-3	100 ppm (439mg/m3/8H)	ori-rat 5g/kg
58. tert-Butyl benzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	135-98-8	N/A	ori-rat 2240mg/kg
60. Chlorobenzene	35163	051118	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-90-7	75 ppm (350mg/m3/8H)	ori-rat 2290mg/kg
61. 2-Chlorotoluene	35163	051118	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	95-49-8	50 ppm (250mg/m3/8H)	ori-rat 3600mg/kg
62. 4-Chlorotoluene	35163	051118	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.8	15.9	106-43-4	N/A	ori-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	051118	0.05	5.00	40002.3	2000	NA	NA	0.017	NA	NA	1999.9	15.8	85-50-1	50 ppm (300mg/m3) (CL)	ori-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.9	541-73-1	N/A	lpr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	106-46-7	75 ppm (450mg/m3/8H)	ori

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	May 1, 2015

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
 LC50 Inhalation - rat - 4 h - 64000 ppm
 LD50 Dermal - rabbit - 15,800 mg/kg
 Toxic if absorbed through skin. Causes skin irritation.
 Eye damage/eye irritation
 Toxic if inhaled. Causes respiratory tract irritation.
 Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
 EC50 24,500.00 mg/l - 48 h
 EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
 SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	May 1, 2015

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

		H315	Causes skin and eye irritation.
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: **DANGER**

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm	
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)	NA	Melting Point	0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA
Solubility in Water	Completely miscible		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **010719**
Description: **Universal VOA Megamix**
69 components

Solvent(s): **Me**
Methanol
Lot# **DT140Q6**

<i>Justin Dippold</i>		010719
Formulated By:	Justin Dippold	DATE
<i>Pedro L. Rentes</i>		010719
Reviewed By:	Pedro L. Rentes	DATE

Expiration Date: 010722
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 2684186

SE-05 Balance Uncertainty
100.0 0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL):

Compound	(RM#) Part Number	Lot Number	DI Factor	Initial Vol. (mL)	Initial Conc. (µg/mL)	Nominal Conc. (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LDSO
1. Acetonitrile	(0324)	060812	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20050	2002.8	8.1	75-05-8	40 ppm (70mg/m3/8H)	ori-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	107-05-1	1 ppm (3mg/m3/8H)	ori-rat 700mg/kg
3. Carbon disulfide	(0050)	MKB2869V	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	75-15-0	4 ppm (12mg/m3) (skin)	ori-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21055	0.21075	2001.9	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20728	0.20750	2002.2	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	209453	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20230	2002.6	8.2	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20225	2002.1	8.1	97-63-2	N/A	ori-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20135	2003.2	8.1	74-88-4	5 ppm (28mg/m3/8H)(skin)	ori-rat 78mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20120	2001.7	8.1	78-83-1	50 ppm (150mg/m3/8H)	ori-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	126-98-7	1 ppm (3mg/m3/8H)(skin)	ori-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20100	2007.6	8.1	96-33-3	10 ppm (35mg/m3/8H)(skin)	ori-rat 277mg/kg
12. Methyl methacrylate	(0404)	03021BX	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20220	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	ori-rat 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	98-95-3	1 ppm (5mg/m3/8H)(skin)	ori-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	95	0.2	NA	0.21055	0.21075	2001.9	8.5	79-48-9	10 ppm (35mg/m3/8H)	ori-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA0Q1	NA	NA	NA	2000	98	0.2	NA	0.20410	0.20430	2001.9	8.2	76-01-7	N/A	N/A
16. 1,1,2-Trichloroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20220	2001.6	8.1	76-13-1	1000 ppm (7800mg/m3/8H)	ori-rat 43g/kg
17. Bromodichloromethane	35171	051118	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	75-27-4	N/A	ori-rat 916mg/kg
18. Dibromochloromethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	124-48-1	N/A	ori-rat 848mg/kg
19. cis-1,2-Dichloroethane	35171	051118	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	1999.9	15.8	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	156-60-5	N/A	ori-rat 1235mg/kg
21. Methylene chloride	35171	051118	0.05	5.00	40003.2	2000	NA	NA	0.017	NA	NA	1999.9	15.8	75-09-2	600 ppm	ori-rat 820mg/kg
22. 1,1-Dichloroethane	32251	122818	0.10	10.00	20005.5	2000	NA	NA	0.042	NA	NA	2000.3	18.7	75-35-4	1 ppm (4mg/m3/8H)	ori-rat 200mg/kg
23. Bromoform	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	75-25-2	0.5 ppm (5mg/m3) (skin)	ori-rat 933mg/kg
24. Carbon tetrachloride	95321	010419	0.10	10.00	20001.3	2000	NA	NA	0.042	NA	NA	1999.9	18.7	56-23-5	2 ppm (12.8mg/m3/8H)	ori-rat 2350mg/kg
25. Chloroform	95321	010419	0.10	10.00	20001.8	2000	NA	NA	0.042	NA	NA	2000.0	18.7	67-66-3	50 ppm (240mg/m3) (CL)	ori-rat 908mg/kg
26. Dibromomethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	74-95-3	N/A	ori-rat 108mg/kg
27. 1,1-Dichloropropane	95321	010419	0.10	10.00	20000.8	2000	NA	NA	0.042	NA	NA	1999.9	18.7	75-34-3	100 ppm	ori-rat 725mg/kg
28. 2,2-Dichloropropane	95321	010419	0.10	10.00	20002.1	2000	NA	NA	0.042	NA	NA	2000.0	18.7	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	010419	0.10	10.00	20002.2	2000	NA	NA	0.042	NA	NA	2000.0	18.7	127-18-4	25 ppm (1170mg/m3/8H)(inhal)	ori-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	71-55-6	350 ppm (1900mg/m3/8H)	ori-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-12-8	0.001 ppm	ori-rat 170mg/kg
32. 1,2-Dibromoethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	106-93-4	20 ppm (8H)	ori-rat 108mg/kg
33. 1,2-Dichloroethane	35161	052418	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	107-06-2	50 ppm (8H)	ori-rat 670mg/kg
34. 1,2-Dichloropropane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	78-87-5	75 ppm (350mg/m3/8H)	ori-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	052418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	142-28-9	N/A	unf-mus 3600mg/kg
36. 1,1-Dichloropropane	35161	052418	0.05	5.00	39639.5	2000	NA	NA	0.017	NA	NA	1981.8	24.2	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropane	35161	052418	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropane	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	16.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	052418	0.05	5.00	40000.9	2000	NA	NA	0.017	NA	NA	1999.8	15.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	ori-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.6	15.8	630-20-6	N/A	ori-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	79-34-5	5 ppm (35mg/m3/8H)(skin)	ori-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	15.9	79-00-5	10 ppm (45mg/m3/8H)(skin)	ori-rat 838mg/kg
43. Trichloroethane	35161	052418	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.8	15.8	79-01-6	50 ppm (270mg/m3/8H)	ori-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-18-4	10 ppm (60mg/m3/8H)	ori-rat 149.8mg/kg
45. Benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	71-43-2	1 ppm	ori-rat 4894mg/kg
46. Bromobenzene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-86-1	N/A	ori-rat 2699mg/kg
47. n-Butyl benzene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	104-51-8	N/A	N/A
48. Ethyl benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-41-4	100 ppm (435mg/m3/8H)	ori-rat >2000mg/kg
49. p-Isopropyl toluene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	99-87-6	N/A	ori-rat 4750mg/kg
50. Naphthalene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	91-20-3	10 ppm (60mg/m3/8H)	ori-rat 490mg/kg
51. Styrene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-42-5	100 ppm	ori-rat 6000mg/kg
52. Toluene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-88-3	200 ppm	ori-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	060418	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	87-61-6	N/A	lpr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	120-82-1	5 ppm (CL) (40mg/m3)	ori-rat 758mg/kg
55. 1,2,4-Trimethylbenzene	35162	060418	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	95-63-6	N/A	ori-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	060418	0.05	5.00	40000.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	108-67-8	N/A	N/A
57. m-Xylene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-38-3	100 ppm (435mg/m3/8H)	ori-rat 5g/kg
58. tert-Butyl benzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	135-98-8	N/A	ori-rat 2420mg/kg
60. Chlorobenzene	35163	051118	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.9	15.8	108-90-7	75 ppm (350mg/m3/8H)	ori-rat 2290mg/kg
61. 2-Chlorotoluene	35163	051118	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	95-49-9	50 ppm (250mg/m3/8H)	ori-rat 3900mg/kg
62. 4-Chlorotoluene	35163	051118	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.8	15.9	106-43-4	N/A	ori-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	051118	0.05	5.00	40002.3	2000	NA	NA	0.017	NA	NA	1999.9	15.8	85-50-1	50 ppm (300mg/m3) (CL)	ori-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.9	541-73-1	N/A	lpr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	106-46-7	75 ppm (450mg/m3/8H)	ori-rat 600mg/kg
6																



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 082719
Description: Acrolein

Expiration Date: 092719
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

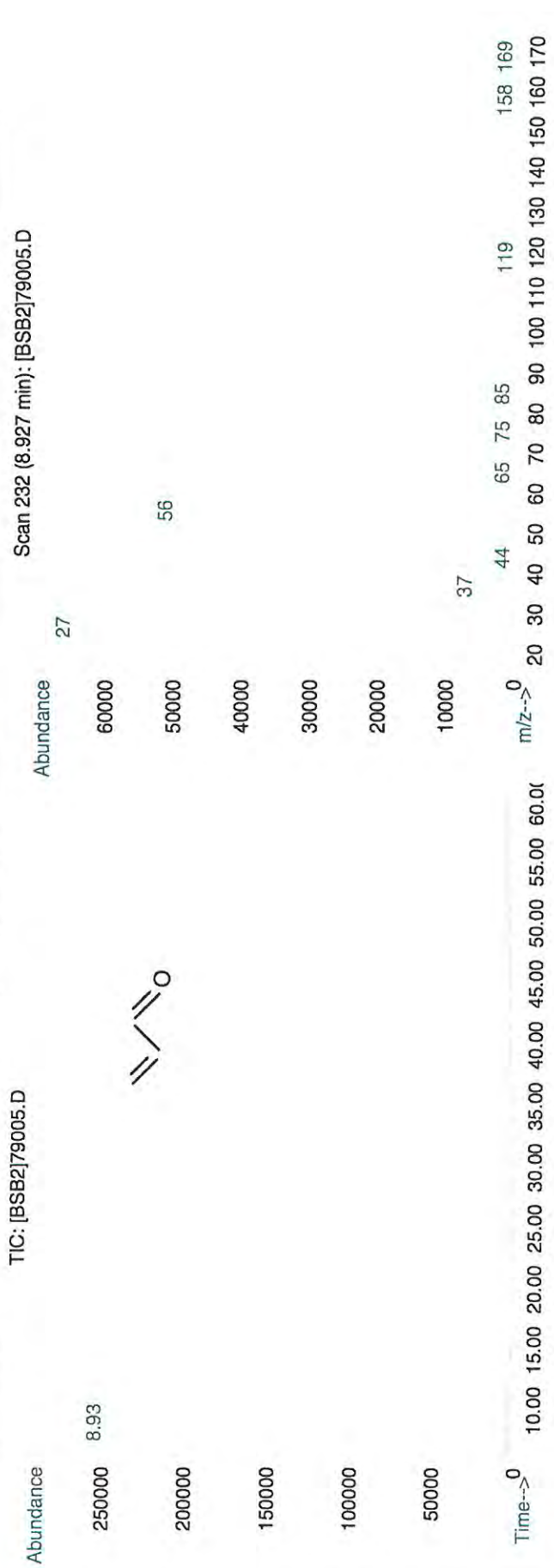
Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s): Water
Lot# 062419Q

		082719
Formulated By:	Justin Dippold	DATE
		082719
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)
1. Acrolein	5	04715LL	5000	97	0.2	0.05157	0.05185	5027.5	23.9	107-02-8	0.1 ppm orl-rat 46mg/kg

Method: GC&MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).





Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 082819
Description: Acrolein

Expiration Date: 092819
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water
Lot# 062419Q

Formulated By:	Prashant Chauhan	082819	DATE
Reviewed By:	Pedro L. Rentas	082819	DATE

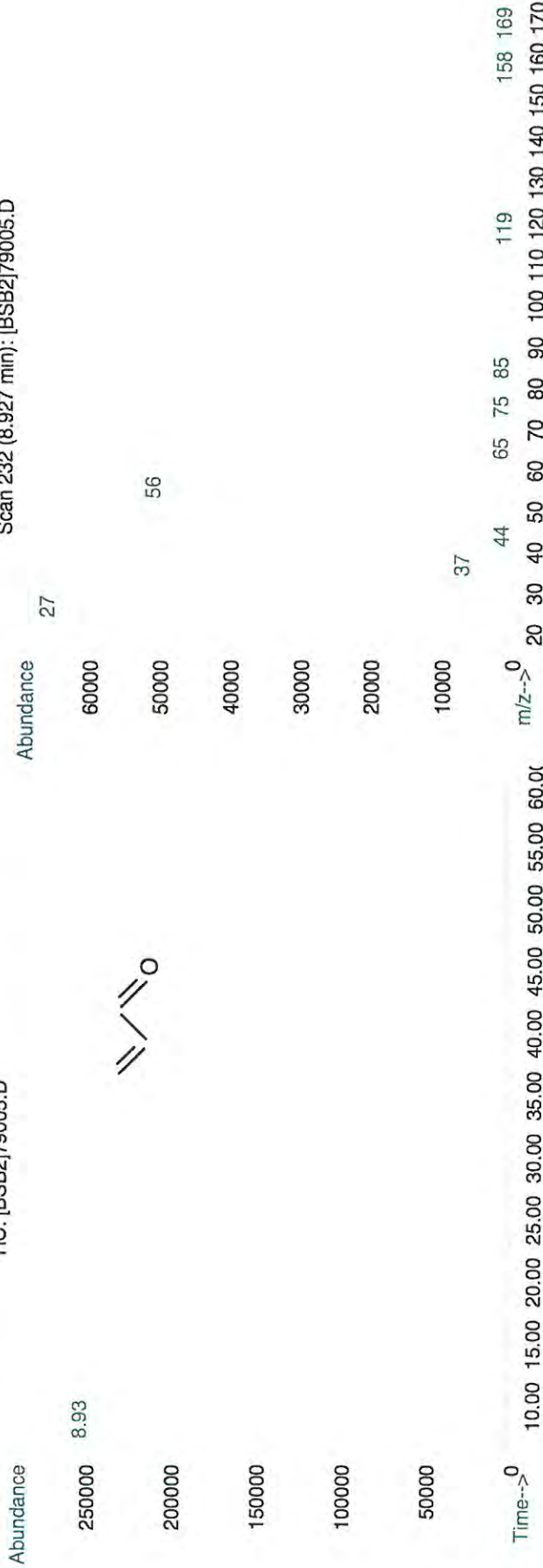
Weight(s) shown below were combined and diluted to (mL): 20.0

5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL) (+/-)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	07813BN	5000	97	0.2	0.10302	0.10352	5024.4	21.3	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Voccol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas, NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	May 1, 2018

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H315 Causes skin and eye irritation.

P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm	
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)	NA	Melting Point	0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA
Solubility in Water	Completely miscible		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0140223
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2025 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Dichlorodifluoromethane (CFC-12)	2,001.8 µg/mL	+/-	13.9358	µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/-	112.5026	µg/mL	Unstressed
	Purity 99%		+/-	115.1229	µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,002.1 µg/mL	+/-	13.1132	µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBJ6334)		+/-	112.4175	µg/mL	Unstressed
	Purity 99%		+/-	115.0404	µg/mL	Stressed
3	Vinyl chloride	2,000.6 µg/mL	+/-	13.0868	µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00012557)		+/-	112.3308	µg/mL	Unstressed
	Purity 99%		+/-	114.9518	µg/mL	Stressed
4	Bromomethane (methyl bromide)	2,002.3 µg/mL	+/-	13.8451	µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/-	112.5163	µg/mL	Unstressed
	Purity 99%		+/-	115.1375	µg/mL	Stressed
5	Chloroethane (ethyl chloride)	2,002.9 µg/mL	+/-	13.9516	µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/-	112.5604	µg/mL	Unstressed
	Purity 99%		+/-	115.1821	µg/mL	Stressed
6	Trichlorofluoromethane (CFC-11)	2,000.2 µg/mL	+/-	13.0598	µg/mL	Gravimetric
	CAS # 75-69-4 (Lot SHBH4155V)		+/-	112.3044	µg/mL	Unstressed
	Purity 99%		+/-	114.9249	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

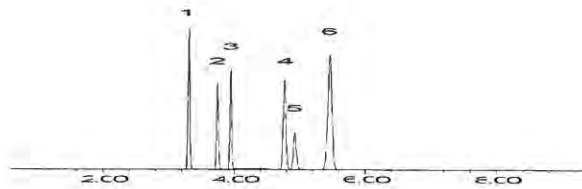
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cydnei L. Crust
Cydnei L. Crust - Mix Technician

Date Mixed: 01-Aug-2018 Balance: B707717271

Jennifer L. Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 16-Aug-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 Lot No.: A0144104
 Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : August 31, 2025 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Dichlorodifluoromethane (CFC-12)	1,999.9 µg/mL	+/-	13.7815	µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/-	112.3751	µg/mL	Unstressed
	Purity 99%		+/-	114.9932	µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,000.0 µg/mL	+/-	17.2612	µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBJ6334)		+/-	112.8635	µg/mL	Unstressed
	Purity 99%		+/-	115.4710	µg/mL	Stressed
3	Vinyl chloride	2,000.2 µg/mL	+/-	16.3520	µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00012557)		+/-	112.7385	µg/mL	Unstressed
	Purity 99%		+/-	115.3493	µg/mL	Stressed
4	Bromomethane (methyl bromide)	2,000.2 µg/mL	+/-	14.6880	µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/-	112.5059	µg/mL	Unstressed
	Purity 99%		+/-	115.1218	µg/mL	Stressed
5	Chloroethane (ethyl chloride)	2,000.2 µg/mL	+/-	12.9653	µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/-	112.2934	µg/mL	Unstressed
	Purity 99%		+/-	114.9142	µg/mL	Stressed
6	Trichlorofluoromethane (CFC-11)	1,999.9 µg/mL	+/-	17.7163	µg/mL	Gravimetric
	CAS # 75-69-4 (Lot SHBH4155V)		+/-	112.9252	µg/mL	Unstressed
	Purity 99%		+/-	115.5309	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

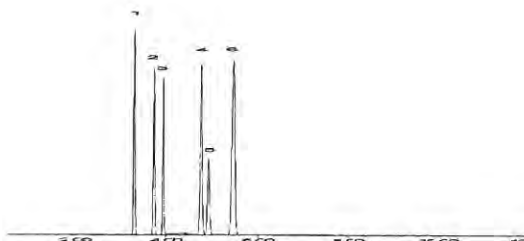
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

F. Joseph Tallon
F. Joseph Tallon - Mtx Technician

Date Mixed: 13-Dec-2018 Balance: B251644995

Jennifer J. Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 18-Dec-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000199507
Manufactured Date: 2018/06/25
Expiration Date: 2020/06/22
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	<0.1
Titration Acid (µeq/g)	<= 0.3	< 0.1
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India 9001:2015, 14001:2015, 13485:2015
Mumbai, India 9001:2015
Panaji, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000199507
Manufactured Date: 2018/06/25
Expiration Date: 2020/06/22
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0
Residue after Evaporation	≤ 1.0000 ppm	<0.1
Titration Acid (μeq/g)	≤ 0.3	< 0.1
Titration Base (μeq/g)	≤ 0.1	<0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India 9001:2015, 14001:2015, 13485:2016
Mumbai, India 9001:2015
Panoli, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 000202813
Manufactured Date: 2018/05/21
Expiration Date: 2020/05/18
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.2000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2015, 17025:2005
Panaji, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0148751

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2019 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Methyl acetate	2,008.5 µg/mL (Lot SHBG4345V)	+/-	11.7870	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	121.1923	µg/mL	Unstressed
	Purity 99%		+/-	121.4800	µg/mL	Stressed
2	Vinyl acetate	2,013.5 µg/mL (Lot STBD7333V)	+/-	11.8163	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	121.4940	µg/mL	Unstressed
	Purity 99%		+/-	121.7824	µg/mL	Stressed
3	Ethyl acetate	2,012.5 µg/mL (Lot SHBJ7347)	+/-	11.8105	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.4337	µg/mL	Unstressed
	Purity 99%		+/-	121.7219	µg/mL	Stressed
4	Isopropyl acetate	2,013.0 µg/mL (Lot BCBT9845)	+/-	11.8134	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	121.4638	µg/mL	Unstressed
	Purity 99%		+/-	121.7522	µg/mL	Stressed
5	Propyl acetate	2,011.5 µg/mL (Lot FGL01)	+/-	11.8046	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	121.3733	µg/mL	Unstressed
	Purity 99%		+/-	121.6614	µg/mL	Stressed
6	Butyl acetate	2,018.0 µg/mL (Lot SHBK5137)	+/-	11.8428	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.7655	µg/mL	Unstressed
	Purity 99%		+/-	122.0546	µg/mL	Stressed
7	Amyl acetate	2,020.0 µg/mL (Lot 41325/1)	+/-	11.8545	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	121.8862	µg/mL	Unstressed
	Purity 99%		+/-	122.1755	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

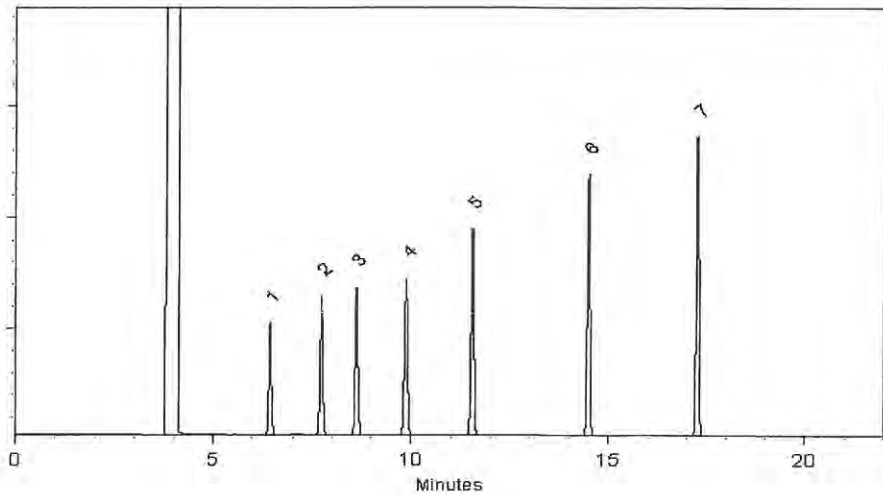
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Joseph Jaglowski
Joseph Jaglowski - Mix Technician

Date Mixed: 01-May-2019 Balance: B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 03-May-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



Safety Data Sheet

Revision Date: 05/14/19

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30489 / 8260B Acetates Mix
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 14
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Suspected of causing cancer.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.

Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

- Storage:** Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
- Disposal:** Dispose of contents/container according to section 13 of the SDS.
- Single Exposure Target Organs:** Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
- Repeated Exposure Target Organs:** No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	98.6
pentyl acetate (n-amyl acetate)	628-63-7	211-047-3	0.2
Isopropyl acetate	108-21-4	203-561-1	0.2
n-Butyl acetate	123-86-4	204-658-1	0.2
Vinyl acetate	108-05-4	203-545-4	0.2
n-Propyl acetate	109-60-4	203-686-1	0.2
Methyl acetate	79-20-9	201-185-2	0.2
Ethyl acetate	141-78-6	205-500-4	0.2

4. FIRST-AID MEASURES

- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
- Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Ingestion:** Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

- Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
- Fire and/or Explosion Hazards:** Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back
- Fire Fighting Methods and Protection:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
- Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment Wash thoroughly after handling Avoid contact with material. Remove contaminated clothing and wash before reuse "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
Vinyl acetate	108-05-4	Not established	15 ppm STEL; 53 mg/m3 STEL	10 ppm TWA; 35 mg/m3 TWA	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection:

No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	72.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)

Melting Point (°C):	-98 °C
Flash Point (°F):	18
Flammability:	Highly Flammable Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	0
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	99.8
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known. Contamination
Materials to Avoid / Chemical Incompatibility:	Acids Oxidizing materials Peroxides Strong alkalis
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs") Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death. May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:	Chemical Name	CAS No.	LD50/LC50
	Vinyl acetate	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H;
	Acetic acid, vinyl ester		Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg

Methanol 67-56-1 Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.	
Vinyl acetate	108-05-4	Present

ACGIH:

Chemical Name	CAS No.	
Vinyl acetate	108-05-4	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.
Monograph 63; 1995	108-05-4	Group 2B

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	Biodegrades slowly.
Ecological Toxicity Data:	No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

International:	
IATA Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl acetate	108-05-4	X	X	X	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
pentyl acetate (n-amyl acetate)	628-63-7	X	X	X	X
Isopropyl acetate	108-21-4	X	X	X	X
n-Butyl acetate	123-86-4	X	X	X	X
Vinyl acetate	108-05-4	X	X	X	X
n-Propyl acetate	109-60-4	X	X	X	X
Methyl acetate	79-20-9	X	X	X	X
Ethyl acetate	141-78-6	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 01/17/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 Lot No.: A0149877

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : December 31, 2019 Storage: 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Methyl acetate CAS # 79-20-9 Purity 99% (Lot SHBK5436)	2,015.0 µg/mL	+/- 11.8251	µg/mL	Gravimetric	
			+/- 121.5845	µg/mL	Unstressed	
			+/- 121.8731	µg/mL	Stressed	
2	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	2,018.0 µg/mL	+/- 11.8428	µg/mL	Gravimetric	
			+/- 121.7655	µg/mL	Unstressed	
			+/- 122.0546	µg/mL	Stressed	
3	Ethyl acetate CAS # 141-78-6 Purity 99% (Lot SHBK2184)	2,016.0 µg/mL	+/- 11.8310	µg/mL	Gravimetric	
			+/- 121.6448	µg/mL	Unstressed	
			+/- 121.9336	µg/mL	Stressed	
4	Isopropyl acetate CAS # 108-21-4 Purity 99% (Lot BCBT9845)	2,015.0 µg/mL	+/- 11.8251	µg/mL	Gravimetric	
			+/- 121.5845	µg/mL	Unstressed	
			+/- 121.8731	µg/mL	Stressed	
5	Propyl acetate CAS # 109-60-4 Purity 99% (Lot MUZQD)	2,008.0 µg/mL	+/- 11.7841	µg/mL	Gravimetric	
			+/- 121.1621	µg/mL	Unstressed	
			+/- 121.4497	µg/mL	Stressed	
6	Butyl acetate CAS # 123-86-4 Purity 99% (Lot SHBK5137)	2,018.0 µg/mL	+/- 11.8428	µg/mL	Gravimetric	
			+/- 121.7655	µg/mL	Unstressed	
			+/- 122.0546	µg/mL	Stressed	
7	Amyl acetate CAS # 628-63-7 Purity 99% (Lot 41325/1)	2,016.0 µg/mL	+/- 11.8310	µg/mL	Gravimetric	
			+/- 121.6448	µg/mL	Unstressed	
			+/- 121.9336	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Itx-502.2 (cat.#10910)

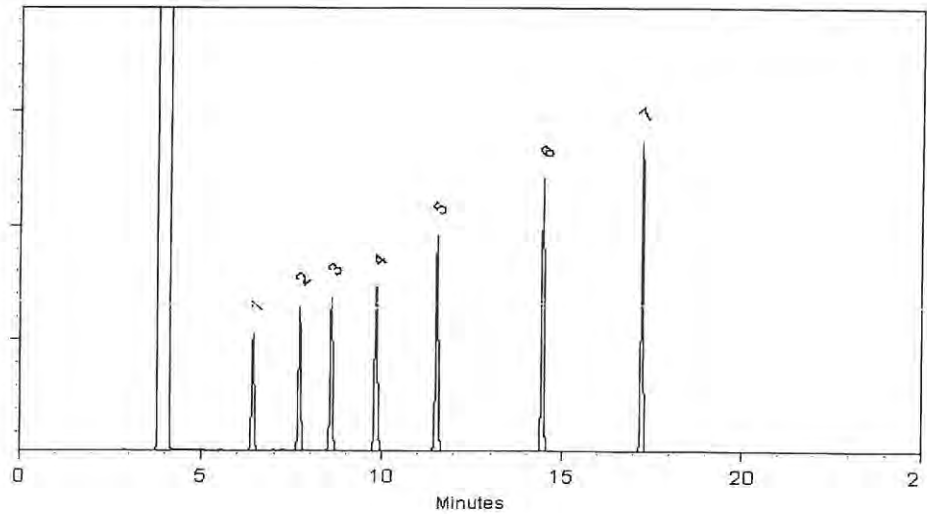
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

inj. Temp:
200°C

Det. Temp:
150°C

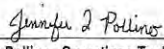
Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 06-Jun-2019 Balance: B251644995


Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 07-Jun-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



Safety Data Sheet

Revision Date: 05/14/19

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30489 / 8260B Acetates Mix
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 14
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Suspected of causing cancer.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.

Take off immediately all contaminated clothing and wash it before reuse.
 In case of fire: Use extinguishing media in section 5 for extinction.

- Storage:** Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Store locked up.
- Disposal:** Dispose of contents/container according to section 13 of the SDS.
- Single Exposure Target Organs:** Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
- Repeated Exposure Target Organs:** No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	98.6
pentyl acetate (n-amyl acetate)	628-63-7	211-047-3	0.2
Isopropyl acetate	108-21-4	203-561-1	0.2
n-Butyl acetate	123-86-4	204-658-1	0.2
Vinyl acetate	108-05-4	203-545-4	0.2
n-Propyl acetate	109-60-4	203-686-1	0.2
Methyl acetate	79-20-9	201-185-2	0.2
Ethyl acetate	141-78-6	205-500-4	0.2

4. FIRST-AID MEASURES

- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
- Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Ingestion:** Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

- Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
- Fire and/or Explosion Hazards:** Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back
- Fire Fighting Methods and Protection:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
- Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment Wash thoroughly after handling Avoid contact with material. Remove contaminated clothing and wash before reuse "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
Vinyl acetate	108-05-4	Not established	15 ppm STEL; 53 mg/m3 STEL	10 ppm TWA; 35 mg/m3 TWA	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection:

No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	72.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)

Melting Point (°C):	-98 °C
Flash Point (°F):	18
Flammability:	Highly Flammable Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	0
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	99.8
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known. Contamination
Materials to Avoid / Chemical Incompatibility:	Acids Oxidizing materials Peroxides Strong alkalis
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Vinyl acetate	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H;
Acetic acid, vinyl ester		Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg

Methanol 67-56-1 Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:
Chemical Name CAS No.
Vinyl acetate 108-05-4 Present

ACGIH:
Chemical Name CAS No.
Vinyl acetate 108-05-4 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH:
Chemical Name CAS No.
No data available

NTP:
Chemical Name CAS No.
No data available

IARC:
Chemical Name CAS No. Group No.
Monograph 63; 1995 108-05-4 Group 2B

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl acetate	108-05-4	X	X	X	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
pentyl acetate (n-amyl acetate)	628-63-7	X	X	X	X
Isopropyl acetate	108-21-4	X	X	X	X
n-Butyl acetate	123-86-4	X	X	X	X
Vinyl acetate	108-05-4	X	X	X	X
n-Propyl acetate	109-60-4	X	X	X	X
Methyl acetate	79-20-9	X	X	X	X
Ethyl acetate	141-78-6	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 01/17/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

Certificate of Composition



www.restek.com

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL Lot No.: A0150565
 Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : January 31, 2020 Storage: 0°C or colder
 Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
			Value	Unit	Method
1	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	8,080.0 µg/mL	+/- 47.4180	µg/mL	Gravimetric
			+/- 487.5448	µg/mL	Unstressed
			+/- 488.7021	µg/mL	Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

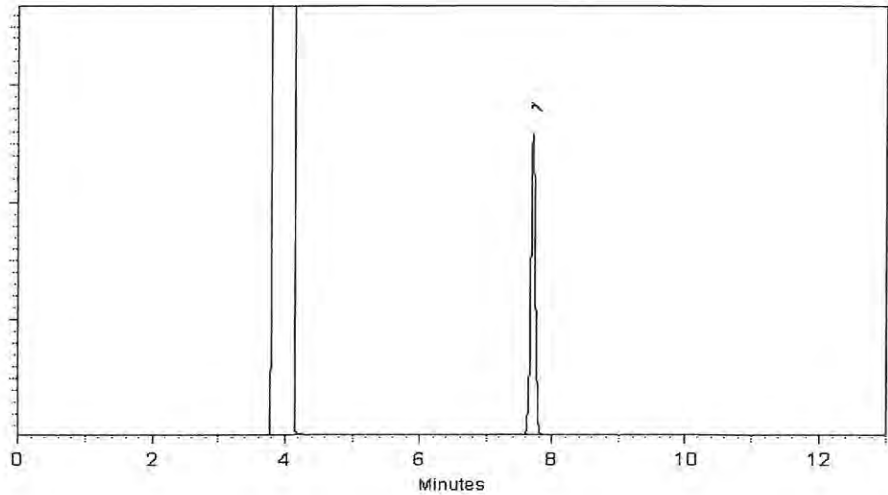
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish

Brandon Reish - Mix Technician

Date Mixed: 02-Jul-2019

Balance: 1127510105

Jennifer L Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 03-Jul-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



1. IDENTIFICATION

Catalog Number / Product Name: 555408-SL / Custom Vinyl Acetate Standard
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 3
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed or in contact with skin.
Suspected of causing cancer.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF exposed: Call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment see section 4.

Rinse mouth.
 Take off immediately all contaminated clothing and wash it before reuse.
 In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	99.2
Vinyl acetate	108-05-4	203-545-4	0.8

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal

protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment Wash thoroughly after handling Avoid contact with material. Remove contaminated clothing and wash before reuse "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
Vinyl acetate	108-05-4	Not established	15 ppm STEL; 53 mg/m3 STEL	10 ppm TWA; 35 mg/m3 TWA	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Explosion proof exhaust ventilation should be used.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	No data available
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	72.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	18
Flammability:	Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	0
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available

Solubility: Moderate; 50-99%
 Partition Coefficient: n-octanol in water: No data available
 VOC % by weight: 0
 Molecular Weight: 32.04

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
 Conditions to Avoid: None known. Contamination
 Materials to Avoid / Chemical Incompatibility: Acids Oxidizing materials Peroxides Strong alkalis
 Hazardous Decomposition Products: Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion
 Target Organs Potentially Affected By Exposure: Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
 Chemical Interactions That Change Toxicity: None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
 Inhalation Toxicity: Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
 Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
 Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
 Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
 Ingestion Toxicity: Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity: No data.
 Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
 Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
 Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
 Skin Absorption: Upon prolonged or repeated exposure, no hazard in normal industrial use.
 Ingestion: Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Vinyl acetate	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H; Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg
Acetic acid, vinyl ester		
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.	
Vinyl acetate	108-05-4	Present

ACGIH:

Chemical Name	CAS No.	
Vinyl acetate	108-05-4	A3 - Confirmed Animal Carcinogen with

NIOSH:

Chemical Name CAS No.
No data available

NTP:

Chemical Name CAS No.
No data available

IARC:

Chemical Name CAS No. Group No.
Monograph 63; 1995 108-05-4 Group 2B

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3(6.1)
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl acetate	108-05-4	X	X	X	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
Vinyl acetate	108-05-4	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 08/04/16

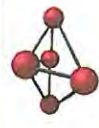
Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

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Analytical Reference Material ARM



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 031419
Description: 2-Chloroethyl vinyl ether

Expiration Date: 031422
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2684186

Weight(s) shown below were combined and diluted to (mL): 30.0

5E-05 Balance Uncertainty
0.002 Flask Uncertainty

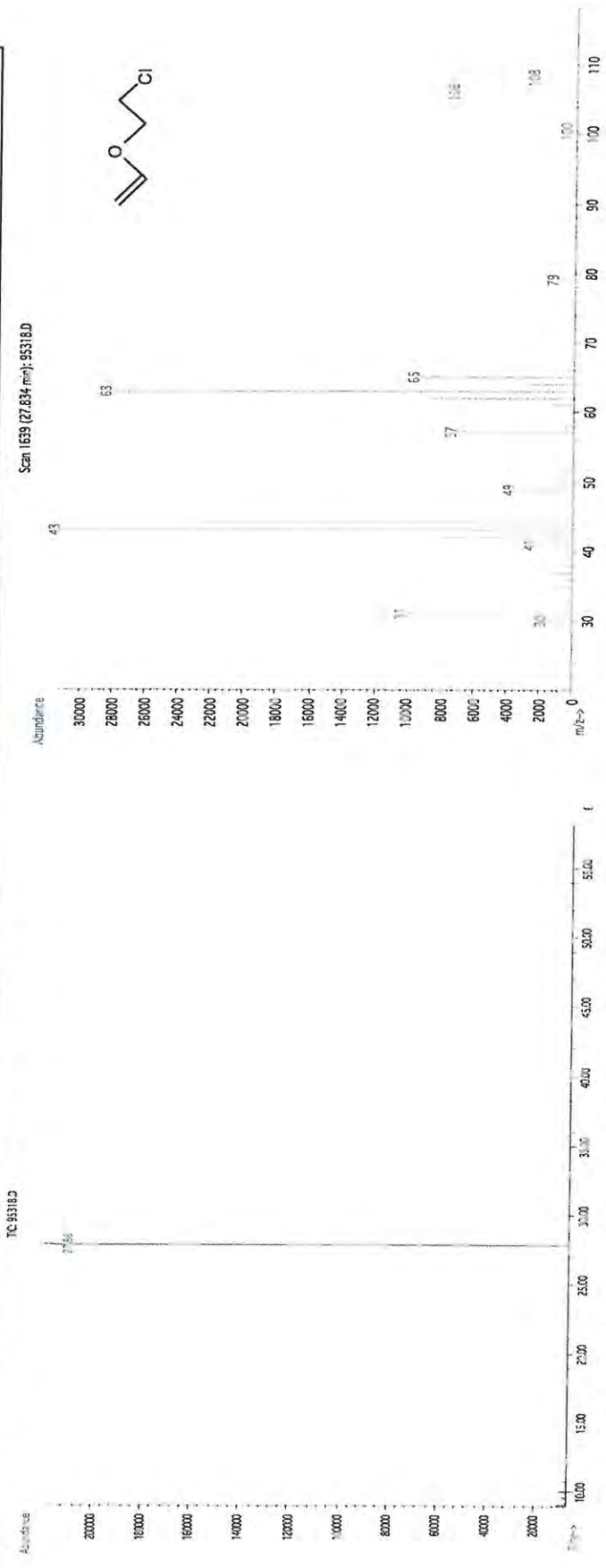
Solvent(s): Methanol
Lot# DU230-US

Eli Aliaga
Formulated By: Eli Aliaga
DATE 031419

Pedro L. Rentas
Reviewed By: Pedro L. Rentas
DATE 031419

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LDSO
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30284	0.30292	10002.6	40.6	110-75-8	N/A	ort-rat 250mg/kg	

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).





Analytical Reference Material ARM



CERTIFIED WEIGHT REPORT

Part Number: 95319
Lot Number: 050119
Description: Revised Additions Mix
11 components
050122
Expiration Date: Refrigerate (4 °C)
Recommended Storage: Varied
Nominal Concentration (µg/mL): 6UTB
NIST Test ID#:

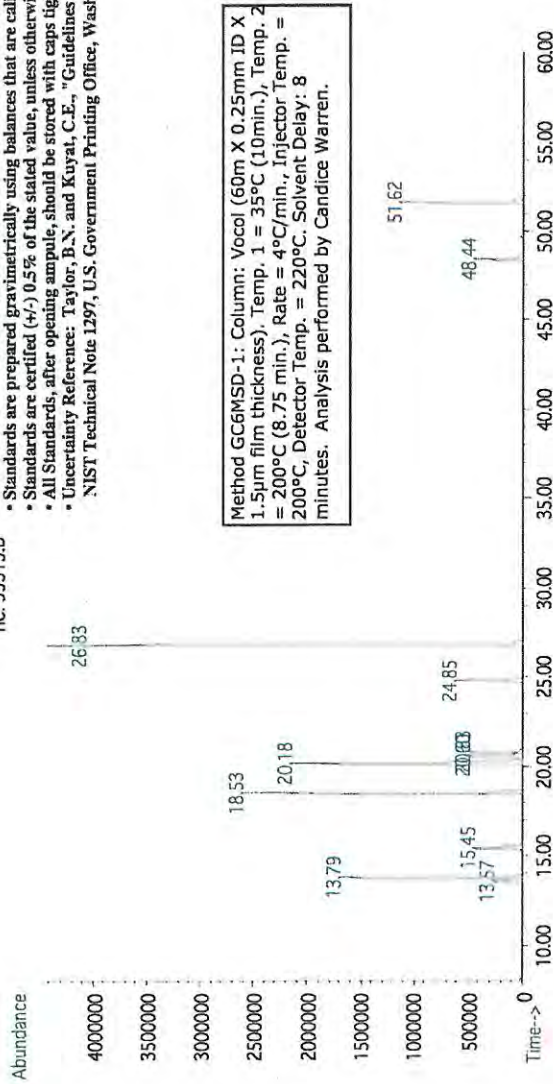
Solvent(s): Lot#
Methanol DU230-US

Formulated By: Justin Dippold	050119
DATE	DATE
Reviewed By: Pedro L. Reritas	050119
DATE	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL) (+/-)	Expanded Uncertainty		OSHA PEL (TWA)	LD50
									(Solvent Safety Info. On Attached pg.)	CAS#		
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01045	10002.4	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20124	2002.1	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20103	0.20118	2001.5	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20222	2001.8	8.1	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04123	40003.8	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20223	2001.9	8.1	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20204	0.20219	2001.5	8.1	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20059	2001.7	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02067	20002.4	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00139	10002.8	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21530	2002.1	8.7	488-23-3	N/A	ori-rat 6408mg/kg

TIC: 95319.D



Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Analytical Reference Material ARM



CERTIFIED WEIGHT REPORT

Part Number: 95319
Lot Number: 050219
Description: Revised Additions Mix
11 components
050222
Refrigerate (4 °C)
Varied
NIST Test ID#: 6UTB

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

Solvent(s): Methanol
Lot# DU230-US

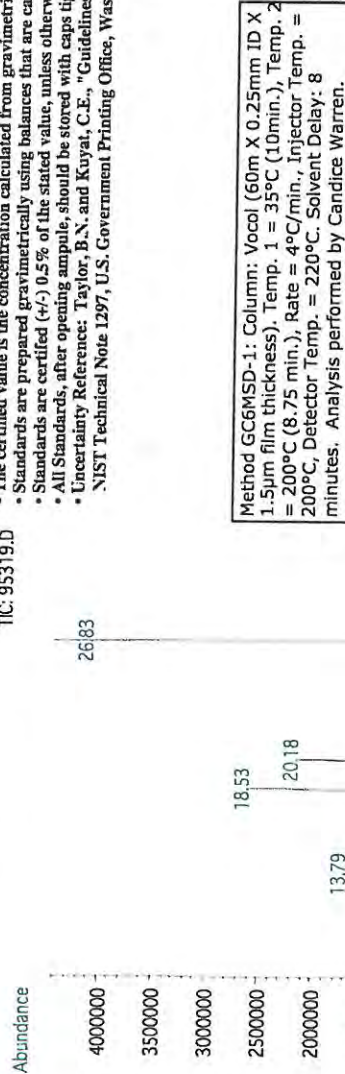
Formulated By: <i>Prashant Chauhan</i>	050219
DATE	DATE
Reviewed By: <i>Pedro L. Rentas</i>	050219
DATE	DATE

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01061	10003.9	40.4	107-13-1	N/A
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20120	2001.7	8.1	109-69-3	ori-rat 78 mg/kg ori-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20103	0.20120	2001.7	8.1	110-82-7	300 ppm (1050mg/m3/8H) ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20224	2002.0	8.1	108-20-3	500 ppm (2100mg/m3/8H) ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04110	40002.5	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin) ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20224	2002.0	8.1	67-72-1	1 ppm (10mg/m3/8H)(skin) ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20042	0.20062	2002.0	8.1	1634-04-4	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20062	2002.0	8.1	107-12-0	N/A
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02082	20003.9	80.8	107-12-0	N/A
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00151	10004.0	40.1	109-99-9	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21540	2003.0	8.7	488-23-3	ori-rat 6408mg/kg

TIC: 95319.D



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	May 1, 2018

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYLALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
 LC50 Inhalation - rat - 4 h - 64000 ppm
 LD50 Dermal - rabbit - 15,800 mg/kg
 Toxic if absorbed through skin. Causes skin irritation.
 Eye damage/eye irritation
 Toxic if inhaled. Causes respiratory tract irritation.
 Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
 EC50 24,500.00 mg/l - 48 h
 EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
 SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **70046**
Lot Number: **072618**
Description: **Bromochloromethane**

Solvent(s): **Methanol**
Lot# **DS526**

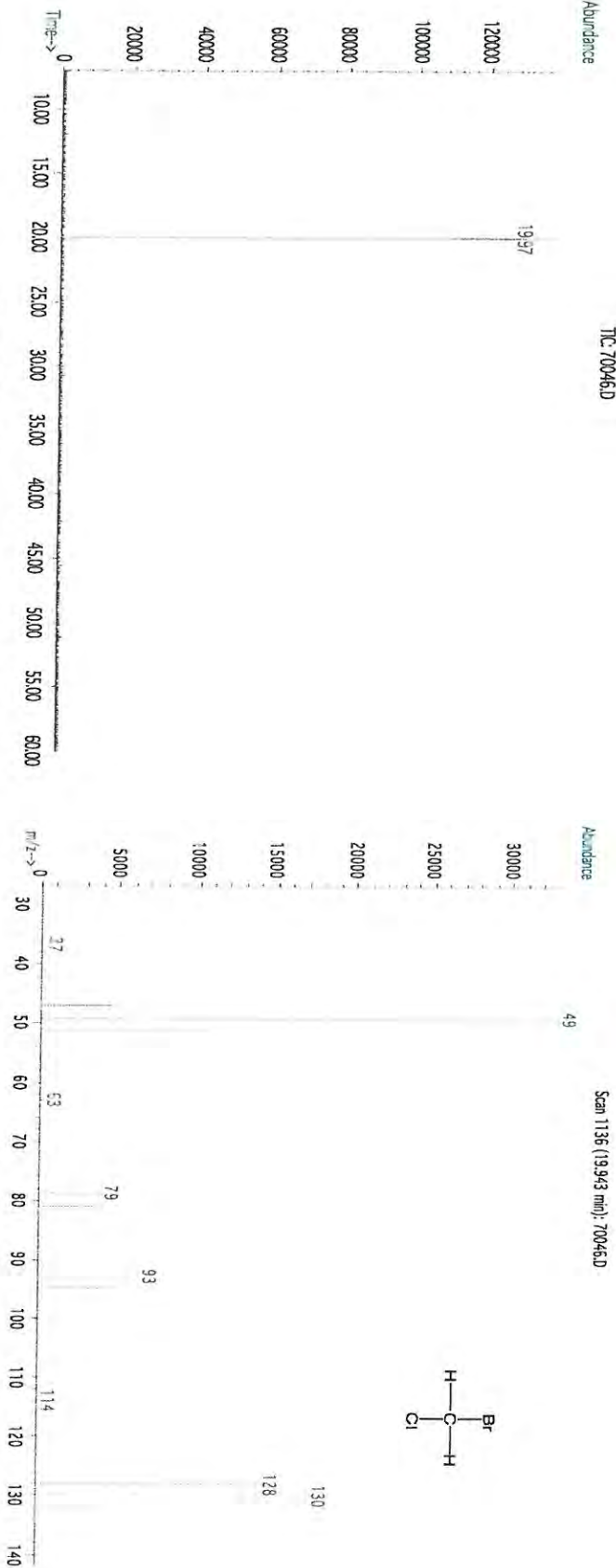
Expiration Date: **072623**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **822-275872-11**

Weight(s) shown below were combined and diluted to (mL): **25.0**
SE-05 Balance Uncertainty
0.002 Flask Uncertainty

Formulated By:	<i>Eli Allaga</i>	072618
Reviewed By:	<i>Pedro L. Rentias</i>	072618
	Pedro L. Rentias	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (Solvent Safety Info. On Attached pg.)			
									(+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LDSO
1. Bromochloromethane	46	AY01	1000	99	0.2	0.02526	0.02540	1005.7	5.7	74-97-5	200 ppm (1050mg/m3/8h)	oral 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B = 200°C, Detector B = 220°C. Analysis: Candice Warren



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyal, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 Lot No.: A0140077

Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : July 31, 2021 Storage: 10°C or colder

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1,2-Dichloroethane-d4	25,008.0 µg/mL	+/-	231.4287	µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot PR-29377)		+/-	1,413.6866	µg/mL	Unstressed
	Purity 99%		+/-	1,446.2345	µg/mL	Stressed
2	1-Bromo-4-fluorobenzene (BFB)	25,028.0 µg/mL	+/-	231.6138	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/-	1,414.8171	µg/mL	Unstressed
	Purity 99%		+/-	1,447.3911	µg/mL	Stressed
3	Dibromofluoromethane	25,012.0 µg/mL	+/-	231.4658	µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 0012017)		+/-	1,413.9127	µg/mL	Unstressed
	Purity 99%		+/-	1,446.4658	µg/mL	Stressed
4	Toluene-d8	25,040.0 µg/mL	+/-	231.7249	µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-27311)		+/-	1,415.4955	µg/mL	Unstressed
	Purity 99%		+/-	1,448.0851	µg/mL	Stressed



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 Lot No.: A0141192

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : August 31, 2021 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 98% (Lot SHBJ3142)	50,085.8 µg/mL	+/- 293.2636 µg/mL	Gravimetric	
			+/- 1,072.9051 µg/mL	Unstressed	
			+/- 1,104.0642 µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

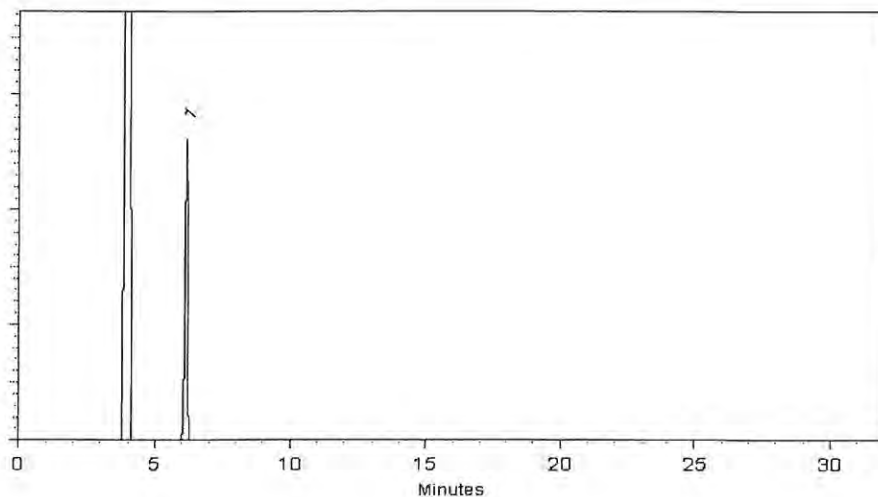
200°C

Det. Temp:

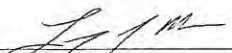
250°C

Det. Type:

FID

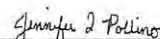


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Larry J. Moore - Mix Technician

Date Mixed: 31-Aug-2018

Balance: 1128342314


Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 05-Sep-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

30 vials



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 Lot No.: A0141722
 Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : December 31, 2021 Storage: 0°C or colder

CERTIFIED VALUES

Ejection Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acetone CAS # 67-64-1 (Lot SHBJ4459) Purity 99%	5,000.2 µg/mL	+/- 29.0716 µg/mL	Gravimetric	
			+/- 301.6842 µg/mL	Unstressed	
			+/- 302.4005 µg/mL	Stressed	
2	2-Butanone (MEK) CAS # 78-93-3 (Lot SHBH7233) Purity 99%	5,001.3 µg/mL	+/- 29.0780 µg/mL	Gravimetric	
			+/- 301.7506 µg/mL	Unstressed	
			+/- 302.4670 µg/mL	Stressed	
3	4-Methyl-2-pentanone (MIBK) CAS # 108-10-1 (Lot SHBH8930) Purity 99%	5,002.1 µg/mL	+/- 29.0826 µg/mL	Gravimetric	
			+/- 301.7989 µg/mL	Unstressed	
			+/- 302.5154 µg/mL	Stressed	
4	2-Hexanone CAS # 591-78-6 (Lot MKCD9048) Purity 99%	5,001.8 µg/mL	+/- 29.0809 µg/mL	Gravimetric	
			+/- 301.7808 µg/mL	Unstressed	
			+/- 302.4972 µg/mL	Stressed	

Solvent: P&T Methanol/Water (90:10)
 CAS # 67-56-1/7732-18-5
 Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

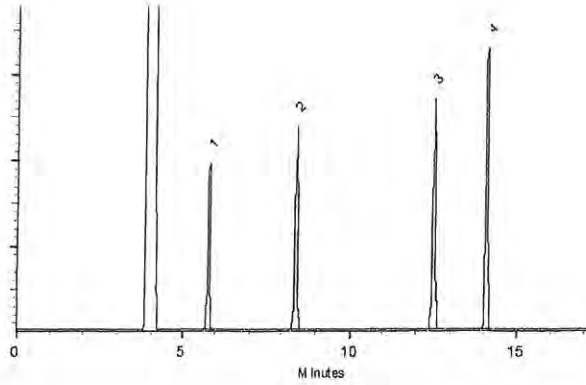
200°C

Det. Temp:


250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


F. Joseph Tallon - Mtx Technician

Date Mixed: 20-Sep-2018 Balance: B251644995


Justine Albertson - Operations Tech-ARM QC

Date Passed: 24-Sep-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 Lot No.: A0143315
 Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : November 30, 2023 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Bromochloromethane CAS # 74-97-5 Purity 98% (Lot 00008541)	2,003.1 µg/mL	+/- 11.8979 µg/mL Gravimetric +/- 112.3393 µg/mL Unstressed +/- 114.9667 µg/mL Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

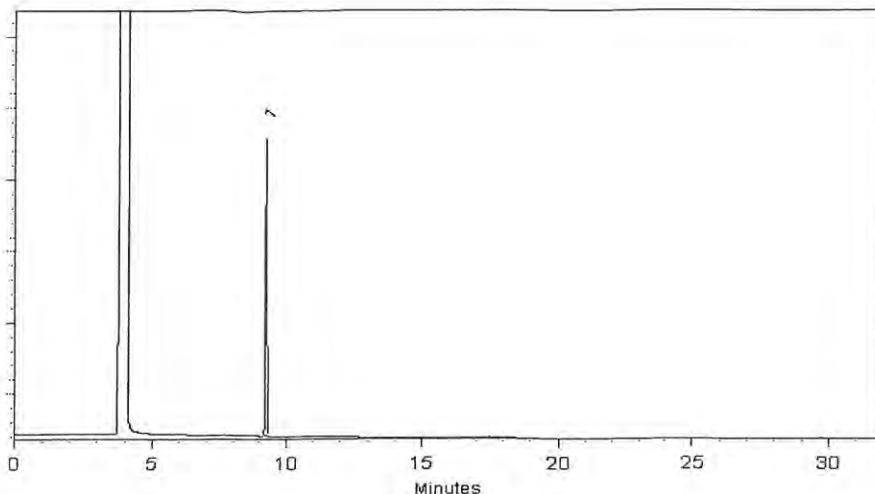
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Nov-2018

Balance: B707717271

Jennifer J. Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 20-Nov-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

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25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



Safety Data Sheet

Revision Date: 11/08/18

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30225 / Bromochloromethane Standard
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 12
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:



GHS Hazard Symbols:

GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Hazardous for the ozone layer
Flammable Liquid Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Causes damage to organs.
Harms public health and the environment by destroying ozone in the upper atmosphere.

GHS Precautions:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.
Refer to manufacturer/supplier for information on recovery/recycling.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	99.8
bromochloromethane	74-97-5	200-826-3	0.2

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States: Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA

Personal Protection:

Engineering Measures:

Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	52
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	0
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract

Chemical Interactions That Change Toxicity: None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity: Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity: Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity: No data.
Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Ingestion: Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.
---------------	---------	-----------

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.

Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3(6.1)
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
bromochloromethane	74-97-5	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 05/24/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

RESTEK® CERTIFIED REFERENCE MATERIAL

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 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0147569
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Acetone	5,000.5 µg/mL (Lot SHBJ7699)	+/- 29.0733 µg/mL Gravimetric
	CAS # 67-64-1		+/- 301.7023 µg/mL Unstressed
	Purity 99%		+/- 302.4186 µg/mL Stressed
2	2-Butanone (MEK)	5,000.3 µg/mL (Lot SHBJ8761)	+/- 29.0719 µg/mL Gravimetric
	CAS # 78-93-3		+/- 301.6872 µg/mL Unstressed
	Purity 99%		+/- 302.4035 µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK)	5,000.3 µg/mL (Lot SHBK5017)	+/- 29.0719 µg/mL Gravimetric
	CAS # 108-10-1		+/- 301.6872 µg/mL Unstressed
	Purity 99%		+/- 302.4035 µg/mL Stressed
4	2-Hexanone	5,000.6 µg/mL (Lot MKCD9048)	+/- 29.0741 µg/mL Gravimetric
	CAS # 591-78-6		+/- 301.7099 µg/mL Unstressed
	Purity 99%		+/- 302.4262 µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

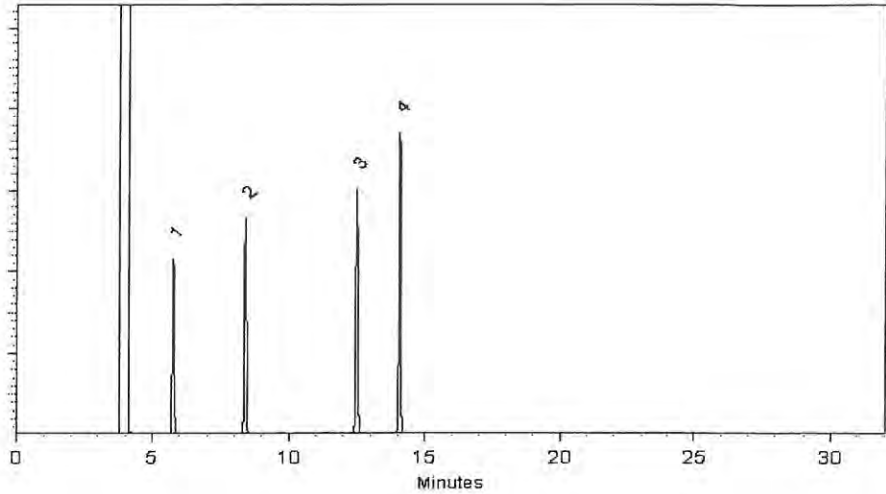
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 28-Mar-2019

Balance: B707717271

Jennifer J Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 01-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Composition



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL Lot No.: A0150346
 Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : December 31, 2019 Storage: 0°C or colder
 Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	8,030.0 µg/mL	+/- 47.1245 µg/mL Gravimetric +/- 484.5278 µg/mL Unstressed +/- 485.6780 µg/mL Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

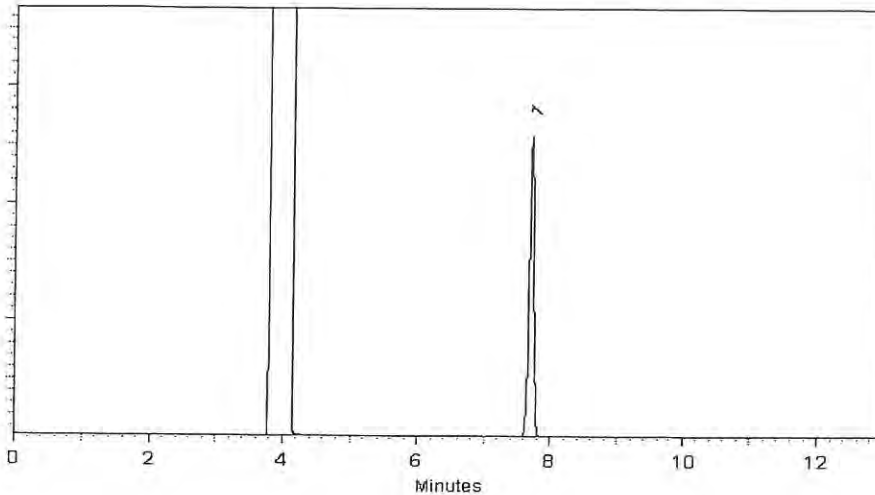
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 25-Jun-2019

Balance: B707717271

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 03-Jul-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

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25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Preservation LogBalanceID: VOA-SC-1Review By: PedroSupervise By: MMDadoda

Seq	LabID	Vial A Weight= Total Wt-Tare Wt	Vial A Time	Vial B Weight= Total Wt-Tare Wt	Vial B Time	Vial C Weight Preserve with MeOH	Vial C Time	Methanol ID	Preservatio n Date	Comments
1	K4888-01	37.96-32.29=5.67	14:34	38.58-32.37=6.21	14:35	39.84-33.20=6.64	14:36	V10105	09/16/2019	TERRACORE samples
2	K4888-02	38.04-32.36=5.68	14:37	37.90-32.26=5.64	14:38	39.03-32.92=6.11	14:39	V10105	09/16/2019	TERRACORE SAMPLE
3	K4888-03	39.48-32.33=7.15	14:40	38.74-32.25=6.49	14:41	39.42-32.91=6.51	14:42	V10105	09/16/2019	TERRACORE samples

Instructions : 5ml MeOH added for SOM02.4 method and 10ml for regular 8260. Water addition to vial A and B is done at time of analysis.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the refrigerator.

Vial C - MeOH is store in the refrigerator.

QA Contorl # A3041177

SHIPPING DOCUMENTS

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CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION	
REPORT TO BE SENT TO:					
COMPANY: <u>Day Environmental, Inc.</u>	PROJECT NAME: <u>Andrew St Site</u>	BILL TO: <u>Day Environmental, Inc.</u> PO#: <u>53345-17</u>			
ADDRESS: <u>1563 Lyell Avenue</u>	PROJECT NO.: <u>53345-17</u> LOCATION: <u>Rochester, NY</u>	ADDRESS: <u>1563 Lyell Avenue</u>			
CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>	PROJECT MANAGER: <u>Jeff Danzinger</u>	CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>			
ATTENTION: <u>Jeff Danzinger</u>	e-mail: <u>jdanzinger@daymail.net</u>	ATTENTION: <u>Jeff Danzinger</u> PHONE: <u>585-454-0216</u>			
PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>	PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>			ANALYSIS	

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION
FAX: _____ DAYS *	<input type="checkbox"/> LEVEL 1: Results only <input type="checkbox"/> Others
HARD COPY: _____ DAYS *	<input type="checkbox"/> LEVEL 2: Results + QC <u>NY ASP Cat B</u>
EDD: _____ DAYS *	<input type="checkbox"/> LEVEL 3: Results (plus results raw data) + QC
PREAPPROVED TAT: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> LEVEL 4: Results + QC (all raw data)
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS	<input checked="" type="checkbox"/> EDD Format: <u>NYDEC Equiv Excl</u>

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	F/E	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE <u>Other</u>	
			COMP	GRAB	DATE	TIME			1	2	3	4	5	6	7	8	9		
			<i>1 TCL VOCs + TLH BZL</i>																
1.	979-S-1(18-19)	Soil	X		9-12-19	1100	4	X											methanol
2.	980-B-1(24)	Soil	X		9-12-19	1045	7	X											
3.	981-S-2(20)	Soil	X		9-12-19	1115	4	X											
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>9-12-19/1730</u>	RECEIVED BY: 1. <u>FED-EX</u>	Conditions of bottles or coolers at receipt: <input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Comments: <u>#1-Gun #1</u>	Cooler Temp. <u>2.4-C</u>
RELINQUISHED BY: 2. <u>[Signature]</u>	DATE/TIME: <u>10:10</u> <u>9-13-19</u>	RECEIVED BY: 2. <u>[Signature]</u>		Ice in Cooler?: <u>yes</u>
RELINQUISHED BY: 3. <u>[Signature]</u>	DATE/TIME: 3. _____	RECEIVED FOR LAB BY: 3. _____		

Page 1 of 1

ORIGIN ID:CDWA (908) 789-8900
JEFF DANZINJER
DAY ENVIRONMENTAL INC
1563 LYELL AVE

SHIP DATE: 12SEP19
ACTWGT: 10.00 LB MAN
CAD: 0403399/CAFE3211

ROCHESTER, NY 14606
UNITED STATES US

TO **GEORGE**
CHEMTECH
284 SHEFFIELD ST

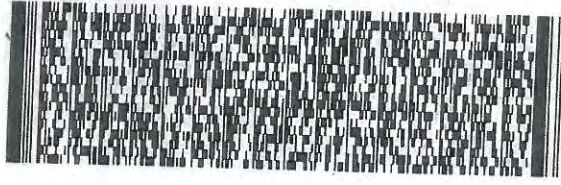
K4888

3401/4046/CT1355

MOUNTIANSIDE NJ 07092

(908) 728-3144
REF: RETURN

RMA: ||| ||| |||



FedEx
Express



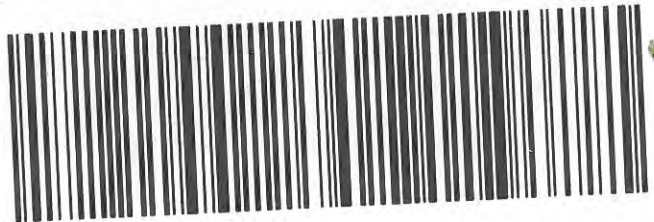
FedEx
TRK# 4846 1860 6533
0221

FRI - 13 SEP 3:00P
STANDARD OVERNIGHT

XA KBCA

07092
NJ-US **EWR**

FD # 435 RPD/MA EXP 07/20



#5186830 09/12 567J1/9D04/05A2



CP - 9-13-19 10:10
2.4

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : K4888 DAYE01	Order Date : 9/13/2019 10:59:00 AM	Project Mgr : Samantha
Client Name : Day Environmental, Inc.	Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger	Receive DateTime : 9/13/2019 10:10:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.	Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger	Login Tech : ankit	Date Signoff : 9/13/2019 1:00:14 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
K4888-01	979-S-1-(18-19)	Solid	09/12/2019	11:00	VOC-TCLVOA-10		8260C	5 Bus. Days	09/20/2019
K4888-02	980-B-1-(24)	Solid	09/12/2019	10:45	VOC-TCLVOA-10		8260C	5 Bus. Days	09/20/2019
K4888-03	981-S-2-(20)	Solid	09/12/2019	11:15	VOC-TCLVOA-10		8260C	5 Bus. Days	09/20/2019

Relinquished By : SC
 Date / Time : 9-13-19

Received By : [Signature]
 Date / Time : 9-13-19

Storage Area : VOA Refridgerator Room

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : ANDREW ST. RI

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

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

**ORDER ID : K4939
ATTENTION : Jeff Danzinger**



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Cover Page

Order ID : K4939

Project ID : Andrew St. RI

Client : Day Environmental, Inc.

Lab Sample Number	Client Sample Number
K4939-01	982-S-3-(19)
K4939-02	982-S-3-(19)MS
K4939-03	982-S-3-(19)MSD
K4939-04	983-B-2-(24)
K4939-05	984-S-4-(19)
K4939-06	985-S-5-(19)
K4939-07	986-B-3-(24)

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

Signature :

N. N. Pandya

APPROVED

By Nimisha Pandya, QA QC Supervisor at 10:32 am, Oct 01, 2019

CASE NARRATIVE**Day Environmental, Inc.****Project Name: Andrew St. RI****Project # N/A****Chemtech Project # K4939****Test Name: VOC-TCLVOA-10****A. Number of Samples and Date of Receipt:**

7 Solid samples were received on 09/17/2019.

B. Parameters

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

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis performed on instrument MSVOA_W were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for 982-S-3-(19)MS [1,2-Dichloroethane-d4 - 133%], 982-S-3-(19)MSD [1,2-Dichloroethane-d4 - 126%].

The Internal Standards Areas met the acceptable requirements except for 984-S-4-(19), 982-S-3-(19)MS and 982-S-3-(19)MSD.

The Retention Times were acceptable for all samples.

The MS {K4939-02MS} with File ID: VW013208.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[191%], 1,2,3-Trichlorobenzene[21%], 1,2,4-Trichlorobenzene[21%], 1,2-Dibromo-3-Chloropropane[160%], Bromochloromethane[136%], Carbon disulfide[53%], Methyl Acetate[248%] and Tetrachloroethene[3106%].

The MSD {K4939-03MSD} with File ID: VW013209.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[185%], 1,2,3-Trichlorobenzene[19%], 1,2,4-Trichlorobenzene[19%], 1,2-Dibromo-3-Chloropropane[147%], Bromochloromethane[131%] and Tetrachloroethene[7728%].

The RPD for {K4939-03MSD} with File ID: VW013209.D met criteria except for Tetrachloroethene[85%].

The Blank Spike for {VW0920SBS02} with File ID: VW013199.D met requirements for all samples except for 1,2-Dibromo-3-Chloropropane[129%].

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

The % RSD is greater than 15% in the Initial Calibration method (82N091819W.M) for Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, 1,1-Dichloroethene, Carbon Disulfide, Methylene Chloride, trans-1,2-Dichloroethene, Cyclohexane, Methylcyclohexane, Bromoform are passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration method (82W092019S.M) for Methylene chloride is passing on Linear Regression.

The Continuous Calibration File ID VN058275.D met the requirements except for 2-Hexanone. The associate samples have no positive hit for these compounds; therefore no corrective action was required.

The Tuning criteria met requirements.

Samples 982-S-3-(19), 982-S-3-(19)ME, 984-S-4-(19), 984-S-4-(19)ME, 985-S-5-(19) and 986-B-3-(24) were diluted due to high concentrations.

E. Additional Comments:

Trip Blank was not provided with this set of samples.

Due to bad matrix interference in original sample 982-S-3-(19) required dilution; therefore associated MS MSD failed for surrogate and internal standard also failed for recovery for many compounds.

Sample 984-S-4-(19) failed for internal standard. Due to high concentration of sample, this sample required dilution. Therefore, sample 984-S-4-(19) was reanalyzed dilution and reported.

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

F. Manual Integration Comments:

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

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

Signature_

N. N. Pandya

APPROVED

By Nimisha Pandya, QA QC Supervisor at 10:32 am, Oct 01, 2016

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: K4939

MATRIX: Solid

METHOD: 8260C

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements. The % RSD is greater than 15% in the Initial Calibration method (82N091819W.M) for Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, 1,1- Dichloroethene, Carbon Disulfide, Methylene Chloride, trans-1,2-Dichloroethene, Cyclohexane, Methylcyclohexane, Bromoform are passing on Linear Regression. The % RSD is greater than 15% in the Initial Calibration method (82W092019S.M) for Methylene chloride is passing on Linear Regression. The Continuous Calibration File ID VN058275.D met the requirements except for 2- Hexanone. The associate samples have no positive hit for these compounds; therefore no corrective action was required.			✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:			✓
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria except for 982-S-3-(19)MS [1,2- Dichloroethane-d4 - 133%], 982-S-3-(19)MSD [1,2-Dichloroethane-d4 - 126%].			✓

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

	NA	NO	YES
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
<p>If not met, list those compounds and their recoveries which fall outside the acceptable range.</p> <p>The MS {K4939-02MS} with File ID: VW013208.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[191%], 1,2,3-Trichlorobenzene[21%], 1,2,4-Trichlorobenzene[21%], 1,2-Dibromo-3-Chloropropane[160%], Bromochloromethane[136%], Carbon disulfide[53%], Methyl Acetate[248%] and Tetrachloroethene[3106%].</p> <p>The MSD {K4939-03MSD} with File ID: VW013209.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[185%], 1,2,3-Trichlorobenzene[19%], 1,2,4-Trichlorobenzene[19%], 1,2-Dibromo-3-Chloropropane[147%], Bromochloromethane[131%] and Tetrachloroethene[7728%].</p> <p>The Blank Spike for {VW0920SBS02} with File ID: VW013199.D met requirements for all samples except for 1,2-Dibromo-3-Chloropropane[129%].</p> <p>The RPD for {K4939-03MSD} with File ID: VW013209.D met criteria except for Tetrachloroethene[85%].</p>			
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓	
<p>Comments: The Internal Standards Areas met the acceptable requirements except for 982-S-3-(19)MS, 982-S-3-(19)MSD.</p>			
10. Analysis Holding Time Met			✓
<p>If not met, list number of days exceeded for each sample:</p>			

ADDITIONAL COMMENTS:

Samples 982-S-3-(19), 982-S-3-(19)ME, 984-S-4-(19), 984-S-4-(19)ME, 985-S-5-(19) and 986-B-3-(24) were diluted due to high concentrations.

Trip Blank was not provided with this set of samples.

Due to bad matrix interference in original sample 982-S-3-(19) required dilution; therefore associated MS MSD failed for surrogate and internal standard also failed for recovery for many compounds.

Sample 984-S-4-(19) failed for internal standard. Due to high concentration of sample, this sample required dilution. Therefore, sample 984-S-4-(19) was reanalyzed dilution and reported.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added

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

NA NO YES

and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

REVIEWED

By Jennifer Harrison, QC Reviewer at 8:27 am, Oct 01, 2019

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APPENDIX A**QA REVIEW GENERAL DOCUMENTATION**

Project #: K4939

Completed

For thorough review, the report must have the following:

GENERAL:

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

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

Is the chain of custody signed and complete ✓

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

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

COVER PAGE:

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

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

CHAIN OF CUSTODY:

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

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

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

Were the samples received within hold time ✓

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

ANALYTICAL:

Was method requirement followed? ✓

Was client requirement followed? ✓

Does the case narrative summarize all QC failure? ✓

All runlogs and manual integration are reviewed for requirements ✓

All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: NIKUL PATEL

Date: 09/30/2019

REVIEWED

By Jennifer Harrison, QC Reviewer at 8:27 am, Oct 01, 2019

2nd Level QA Review Signature: _____



284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

OrderID: K4939	OrderDate: 9/17/2019 12:58:00 PM
Client: Day Environmental, Inc.	Project: Andrew St. RI
Contact: Jeff Danzinger	Location: N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K4939-01	982-S-3-(19)	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/21/19	09/17/19
K4939-01ME	982-S-3-(19)ME	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/23/19	09/17/19
K4939-01ME DL	982-S-3-(19)MEDL	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/23/19	09/17/19
K4939-04	983-B-2-(24)	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/21/19	09/17/19
K4939-05	984-S-4-(19)	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/21/19	09/17/19
K4939-05ME	984-S-4-(19)ME	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/23/19	09/17/19
K4939-05ME DL	984-S-4-(19)MEDL	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/23/19	09/17/19
K4939-06	985-S-5-(19)	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/21/19	09/17/19
K4939-06ME	985-S-5-(19)ME	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/23/19	09/17/19
K4939-07	986-B-3-(24)	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/21/19	09/17/19
K4939-07ME	986-B-3-(24)ME	SOIL	VOC-TCLVOA-10	8260C	09/13/19		09/23/19	09/17/19

Hit Summary Sheet SW-846

 SDG No.: K4939

 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: 982-S-3-(19)								
K4939-01	982-S-3-(19)	SOIL	Acetone	9.00	J	6.50	21.2	ug/Kg
K4939-01	982-S-3-(19)	SOIL	Trichloroethene	7.50		0.79	4.20	ug/Kg
K4939-01	982-S-3-(19)	SOIL	Tetrachloroethene	2,500.00	E	0.59	4.20	ug/Kg
Total Voc :				2516.5				
Total Concentration:				2516.5				
Client ID: 982-S-3-(19)ME								
K4939-01ME	982-S-3-(19)ME	SOIL	Tetrachloroethene	15,100.00	ED	58.1	420	ug/Kg
Total Voc :				15100				
Total Concentration:				15100				
Client ID: 982-S-3-(19)MEDL								
K4939-01MEDL	982-S-3-(19)MEDL	SOIL	Tetrachloroethene	16,200.00	D	290	2100	ug/Kg
Total Voc :				16200				
Total Concentration:				16200				
Client ID: 983-B-2-(24)								
K4939-04	983-B-2-(24)	SOIL	Acetone	11.00	J	8.10	26.4	ug/Kg
K4939-04	983-B-2-(24)	SOIL	Tetrachloroethene	26.10		0.73	5.30	ug/Kg
Total Voc :				37.1				
Total Concentration:				37.1				
Client ID: 984-S-4-(19)								
K4939-05	984-S-4-(19)	SOIL	cis-1,2-Dichloroethene	1.90	J	0.89	4.50	ug/Kg
K4939-05	984-S-4-(19)	SOIL	Trichloroethene	6.80		0.85	4.50	ug/Kg
K4939-05	984-S-4-(19)	SOIL	Tetrachloroethene	4,300.00	E	0.63	4.50	ug/Kg
Total Voc :				4308.7				
Total Concentration:				4308.7				
Client ID: 984-S-4-(19)ME								
K4939-05ME	984-S-4-(19)ME	SOIL	Tetrachloroethene	13,700.00	ED	61.0	440	ug/Kg
Total Voc :				13700				
Total Concentration:				13700				
Client ID: 984-S-4-(19)MEDL								
K4939-05MEDL	984-S-4-(19)MEDL	SOIL	Tetrachloroethene	13,700.00	D	610	4400	ug/Kg
Total Voc :				13700				
Total Concentration:				13700				
Client ID: 985-S-5-(19)								
K4939-06	985-S-5-(19)	SOIL	Acetone	8.00	J	6.50	21.1	ug/Kg
K4939-06	985-S-5-(19)	SOIL	Carbon Disulfide	1.20	J	0.90	4.20	ug/Kg
K4939-06	985-S-5-(19)	SOIL	cis-1,2-Dichloroethene	32.40		0.83	4.20	ug/Kg
K4939-06	985-S-5-(19)	SOIL	Trichloroethene	22.60		0.79	4.20	ug/Kg
K4939-06	985-S-5-(19)	SOIL	Tetrachloroethene	6,000.00	E	0.59	4.20	ug/Kg
Total Voc :				6064.2				
Total Concentration:				6064.2				

Hit Summary Sheet
SW-846

SDG No.: K4939
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	985-S-5-(19)ME							
K4939-06ME	985-S-5-(19)ME	SOIL	Tetrachloroethene	34,700.00	D	600	4300	ug/Kg
			Total Voc :	34700				
			Total Concentration:	34700				
Client ID:	986-B-3-(24)							
K4939-07	986-B-3-(24)	SOIL	cis-1,2-Dichloroethene	7.50		0.95	4.80	ug/Kg
K4939-07	986-B-3-(24)	SOIL	Trichloroethene	10.20		0.90	4.80	ug/Kg
K4939-07	986-B-3-(24)	SOIL	Tetrachloroethene	200.00	E	0.67	4.80	ug/Kg
			Total Voc :	217.7				
			Total Concentration:	217.7				
Client ID:	986-B-3-(24)ME							
K4939-07ME	986-B-3-(24)ME	SOIL	Tetrachloroethene	440.00	JD	72.1	520	ug/Kg
			Total Voc :	440				
			Total Concentration:	440				

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QC
SUMMARY

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Surrogate Summary

 SDG No.: K4939

 Client: Day Environmental, Inc.

 Analytical Method: SW8260C

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
K4939-01	982-S-3-(19)	1,2-Dichloroethane-d4	50	54.8	110	56	120
		Dibromofluoromethane	50	51.1	102	57	135
		Toluene-d8	50	50.7	101	67	123
		4-Bromofluorobenzene	50	40.1	80	33	141
K4939-01ME	982-S-3-(19)ME	1,2-Dichloroethane-d4	50	52.5	105	56	120
		Dibromofluoromethane	50	48.7	97	57	135
		Toluene-d8	50	52.5	105	67	123
		4-Bromofluorobenzene	50	44.4	89	33	141
K4939-01MEDL	982-S-3-(19)MEDL	1,2-Dichloroethane-d4	50	52.5	105	56	120
		Dibromofluoromethane	50	50.7	101	57	135
		Toluene-d8	50	54.0	108	67	123
		4-Bromofluorobenzene	50	46.2	92	33	141
K4939-02MS	982-S-3-(19)MS	1,2-Dichloroethane-d4	50	66.3	133 *	56	120
		Dibromofluoromethane	50	53.1	106	57	135
		Toluene-d8	50	48.5	97	67	123
		4-Bromofluorobenzene	50	35.7	71	33	141
K4939-03MSD	982-S-3-(19)MSD	1,2-Dichloroethane-d4	50	63.0	126 *	56	120
		Dibromofluoromethane	50	52.5	105	57	135
		Toluene-d8	50	48.4	97	67	123
		4-Bromofluorobenzene	50	35.1	70	33	141
K4939-04	983-B-2-(24)	1,2-Dichloroethane-d4	50	51.9	104	56	120
		Dibromofluoromethane	50	50.3	101	57	135
		Toluene-d8	50	49.4	99	67	123
		4-Bromofluorobenzene	50	45.3	91	33	141
K4939-05	984-S-4-(19)	1,2-Dichloroethane-d4	50	55.7	111	56	120
		Dibromofluoromethane	50	51.8	104	57	135
		Toluene-d8	50	49.4	99	67	123
		4-Bromofluorobenzene	50	31.9	64	33	141
K4939-05ME	984-S-4-(19)ME	1,2-Dichloroethane-d4	50	53.3	107	56	120
		Dibromofluoromethane	50	49.1	98	57	135
		Toluene-d8	50	53.2	106	67	123
		4-Bromofluorobenzene	50	45.8	92	33	141
K4939-05MEDL	984-S-4-(19)MEDL	1,2-Dichloroethane-d4	50	53.2	106	56	120
		Dibromofluoromethane	50	49.8	100	57	135
		Toluene-d8	50	52.8	106	67	123
		4-Bromofluorobenzene	50	46.2	92	33	141
K4939-06	985-S-5-(19)	1,2-Dichloroethane-d4	50	53.0	106	56	120
		Dibromofluoromethane	50	50.7	101	57	135
		Toluene-d8	50	50.0	100	67	123
		4-Bromofluorobenzene	50	39.7	79	33	141
K4939-06ME	985-S-5-(19)ME	1,2-Dichloroethane-d4	50	53.2	106	56	120
		Dibromofluoromethane	50	50.7	101	57	135
		Toluene-d8	50	53.6	107	67	123
		4-Bromofluorobenzene	50	45.9	92	33	141
K4939-07	986-B-3-(24)	1,2-Dichloroethane-d4	50	51.3	103	56	120
		Dibromofluoromethane	50	49.9	100	57	135
		Toluene-d8	50	51.0	102	67	123
		4-Bromofluorobenzene	50	46.0	92	33	141
K4939-07ME	986-B-3-(24)ME	1,2-Dichloroethane-d4	50	51.6	103	56	120
		Dibromofluoromethane	50	49.5	99	57	135
		Toluene-d8	50	52.4	105	67	123
		4-Bromofluorobenzene	50	43.5	87	33	141

Surrogate Summary

SDG No.: K4939

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0923MBL01	VN0923MBL01	1,2-Dichloroethane-d4	50	53.0	106	56	120
		Dibromofluoromethane	50	52.8	106	57	135
		Toluene-d8	50	53.5	107	67	123
		4-Bromofluorobenzene	50	45.5	91	33	141
VN0923MBS01	VN0923MBS01	1,2-Dichloroethane-d4	50	53.2	106	56	120
		Dibromofluoromethane	50	50.0	100	57	135
		Toluene-d8	50	50.1	100	67	123
		4-Bromofluorobenzene	50	47.8	96	33	141
VW0920SBL02	VW0920SBL02	1,2-Dichloroethane-d4	50	52.1	104	56	120
		Dibromofluoromethane	50	50.4	101	57	135
		Toluene-d8	50	49.7	99	67	123
		4-Bromofluorobenzene	50	45.8	92	33	141
VW0920SBS02	VW0920SBS02	1,2-Dichloroethane-d4	50	49.9	100	56	120
		Dibromofluoromethane	50	50.6	101	57	135
		Toluene-d8	50	51.1	102	67	123
		4-Bromofluorobenzene	50	50.6	101	33	141

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K4939

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits	
					Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	K4939-02MS	Client Sample ID :	982-S-3-(19)MS					Datafile :	VW013208.D		
Dichlorodifluoromethane	48.3	0	29.2	ug/Kg	60				44	157	
Chloromethane	48.3	0	34.0	ug/Kg	70				51	144	
Vinyl chloride	48.3	0	36.1	ug/Kg	75				56	145	
Bromomethane	48.3	0	34.9	ug/Kg	72				47	151	
Chloroethane	48.3	0	40.3	ug/Kg	83				55	158	
Trichlorofluoromethane	48.3	0	38.2	ug/Kg	79				63	145	
1,1,2-Trichlorotrifluoroethane	48.3	0	44.4	ug/Kg	92				63	141	
1,1-Dichloroethene	48.3	0	42.2	ug/Kg	87				64	140	
Acetone	240	9.00	310	ug/Kg	125				41	145	
Carbon disulfide	48.3	0	25.6	ug/Kg	53	*			56	139	
Methyl tert-butyl Ether	48.3	0	63.3	ug/Kg	131				64	132	
Methyl Acetate	48.3	0	120	ug/Kg	248	*			21	221	
Methylene Chloride	48.3	0	55.4	ug/Kg	115				59	133	
trans-1,2-Dichloroethene	48.3	0	42.2	ug/Kg	87				64	135	
1,1-Dichloroethane	48.3	0	55.4	ug/Kg	115				66	135	
Cyclohexane	48.3	0	35.8	ug/Kg	74				59	140	
2-Butanone	240	0	320	ug/Kg	133				54	137	
Carbon Tetrachloride	48.3	0	39.7	ug/Kg	82				66	137	
cis-1,2-Dichloroethene	48.3	0	53.9	ug/Kg	112				65	132	
Bromochloromethane	48.3	0	65.8	ug/Kg	136	*			62	125	
Chloroform	48.3	0	56.4	ug/Kg	117				68	132	
1,1,1-Trichloroethane	48.3	0	51.6	ug/Kg	107				69	138	
Methylcyclohexane	48.3	0	28.5	ug/Kg	59				54	134	
Benzene	48.3	0	41.9	ug/Kg	87				68	130	
1,2-Dichloroethane	48.3	0	47.2	ug/Kg	98				68	130	
Trichloroethene	48.3	7.50	52.3	ug/Kg	93				54	149	
1,2-Dichloropropane	48.3	0	47.2	ug/Kg	98				65	136	
Bromodichloromethane	48.3	0	48.6	ug/Kg	101				68	132	
4-Methyl-2-Pentanone	240	0	280	ug/Kg	117				59	137	
Toluene	48.3	0	40.4	ug/Kg	84				65	133	
t-1,3-Dichloropropene	48.3	0	41.1	ug/Kg	85				64	129	
cis-1,3-Dichloropropene	48.3	0	41.0	ug/Kg	85				65	129	
1,1,2-Trichloroethane	48.3	0	49.5	ug/Kg	102				66	131	
2-Hexanone	240	0	250	ug/Kg	104				58	133	
Dibromochloromethane	48.3	0	48.7	ug/Kg	101				67	131	
1,2-Dibromoethane	48.3	0	45.0	ug/Kg	93				65	130	
Tetrachloroethene	48.3	2500	4000	ug/Kg	3106	*			37	161	
Chlorobenzene	48.3	0	42.9	ug/Kg	89				66	128	
Ethyl Benzene	48.3	0	38.9	ug/Kg	81				65	133	
m/p-Xylenes	96.5	0	73.3	ug/Kg	76				62	134	
o-Xylene	48.3	0	39.4	ug/Kg	82				65	133	
Styrene	48.3	0	39.0	ug/Kg	81				66	127	
Bromoform	48.3	0	52.5	ug/Kg	109				68	131	
Isopropylbenzene	48.3	0	63.0	ug/Kg	130				64	139	
1,1,2,2-Tetrachloroethane	48.3	0	92.4	ug/Kg	191	*			48	150	
1,3-Dichlorobenzene	48.3	0	43.9	ug/Kg	91				60	129	
1,4-Dichlorobenzene	48.3	0	44.1	ug/Kg	91				59	128	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K4939

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	48.3	0	45.2	ug/Kg	94				63	127		
1,2-Dibromo-3-Chloropropane	48.3	0	77.5	ug/Kg	160	*			65	137		
1,2,4-Trichlorobenzene	48.3	0	10.1	ug/Kg	21	*			38	131		
1,2,3-Trichlorobenzene	48.3	0	10.0	ug/Kg	21	*			26	131		

**Matrix Spike/Matrix Spike Duplicate Summary
SW-846**

SDG No.: K4939

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	K4939-03MSD	Client Sample ID :	982-S-3-(19)MSD			Datafile :		VW013209.D				
Dichlorodifluoromethane	42.7	0	27.3	ug/Kg	64		6		44	157	20	
Chloromethane	42.7	0	30.4	ug/Kg	71		1		51	144	20	
Vinyl chloride	42.7	0	31.7	ug/Kg	74		1		56	145	20	
Bromomethane	42.7	0	31.8	ug/Kg	74		3		47	151	20	
Chloroethane	42.7	0	35.3	ug/Kg	83		1		55	158	20	
Trichlorofluoromethane	42.7	0	32.9	ug/Kg	77		3		63	145	20	
1,1,2-Trichlorotrifluoroethane	42.7	0	38.8	ug/Kg	91		1		63	141	20	
1,1-Dichloroethene	42.7	0	37.3	ug/Kg	87		0		64	140	20	
Acetone	210	9.00	260	ug/Kg	120		4		41	145	20	
Carbon disulfide	42.7	0	23.7	ug/Kg	56		5		56	139	20	
Methyl tert-butyl Ether	42.7	0	54.3	ug/Kg	127		3		64	132	20	
Methyl Acetate	42.7	0	91.4	ug/Kg	214		15		21	221	20	
Methylene Chloride	42.7	0	48.7	ug/Kg	114		1		59	133	20	
trans-1,2-Dichloroethene	42.7	0	37.2	ug/Kg	87		0		64	135	20	
1,1-Dichloroethane	42.7	0	47.2	ug/Kg	111		4		66	135	20	
Cyclohexane	42.7	0	30.9	ug/Kg	72		2		59	140	20	
2-Butanone	210	0	260	ug/Kg	124		7		54	137	20	
Carbon Tetrachloride	42.7	0	34.5	ug/Kg	81		2		66	137	20	
cis-1,2-Dichloroethene	42.7	0	46.9	ug/Kg	110		2		65	132	20	
Bromochloromethane	42.7	0	55.9	ug/Kg	131	*	4		62	125	20	
Chloroform	42.7	0	48.9	ug/Kg	115		2		68	132	20	
1,1,1-Trichloroethane	42.7	0	44.8	ug/Kg	105		2		69	138	20	
Methylcyclohexane	42.7	0	24.7	ug/Kg	58		2		54	134	20	
Benzene	42.7	0	36.5	ug/Kg	85		1		68	130	20	
1,2-Dichloroethane	42.7	0	39.4	ug/Kg	92		6		68	130	20	
Trichloroethene	42.7	7.50	55.5	ug/Kg	112		19		54	149	20	
1,2-Dichloropropane	42.7	0	40.4	ug/Kg	95		3		65	136	20	
Bromodichloromethane	42.7	0	42.1	ug/Kg	99		2		68	132	20	
4-Methyl-2-Pentanone	210	0	230	ug/Kg	110		6		59	137	20	
Toluene	42.7	0	35.6	ug/Kg	83		0		65	133	20	
t-1,3-Dichloropropene	42.7	0	35.6	ug/Kg	83		2		64	129	20	
cis-1,3-Dichloropropene	42.7	0	35.8	ug/Kg	84		1		65	129	20	
1,1,2-Trichloroethane	42.7	0	42.8	ug/Kg	100		2		66	131	20	
2-Hexanone	210	0	210	ug/Kg	100		4		58	133	20	
Dibromochloromethane	42.7	0	42.1	ug/Kg	99		2		67	131	20	
1,2-Dibromoethane	42.7	0	38.1	ug/Kg	89		4		65	130	20	
Tetrachloroethene	42.7	2500	5800	ug/Kg	7728	*	85	*	37	161	20	
Chlorobenzene	42.7	0	37.4	ug/Kg	88		1		66	128	20	
Ethyl Benzene	42.7	0	34.0	ug/Kg	80		1		65	133	20	
m/p-Xylenes	85.3	0	63.8	ug/Kg	75		2		62	134	20	
o-Xylene	42.7	0	33.9	ug/Kg	79		3		65	133	20	
Styrene	42.7	0	33.7	ug/Kg	79		2		66	127	20	
Bromoform	42.7	0	44.8	ug/Kg	105		4		68	131	20	
Isopropylbenzene	42.7	0	54.9	ug/Kg	129		1		64	139	20	
1,1,2,2-Tetrachloroethane	42.7	0	79.0	ug/Kg	185	*	3		48	150	20	
1,3-Dichlorobenzene	42.7	0	38.1	ug/Kg	89		2		60	129	20	
1,4-Dichlorobenzene	42.7	0	38.7	ug/Kg	91		1		59	128	20	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K4939

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	42.7	0	39.7	ug/Kg	93		1		63	127	20	
1,2-Dibromo-3-Chloropropane	42.7	0	62.8	ug/Kg	147	*	9		65	137	20	
1,2,4-Trichlorobenzene	42.7	0	8.10	ug/Kg	19	*	10		38	131	20	
1,2,3-Trichlorobenzene	42.7	0	8.20	ug/Kg	19	*	8		26	131	20	

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

SDG No.: K4939

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Datafile : VN058287.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0923MBS01	Dichlorodifluoromethane	2000	1800	ug/Kg	90			50	142	
	Chloromethane	2000	2000	ug/Kg	100			65	131	
	Vinyl chloride	2000	2000	ug/Kg	100			67	130	
	Bromomethane	2000	2100	ug/Kg	105			64	136	
	Chloroethane	2000	2100	ug/Kg	105			66	146	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			72	134	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			73	133	
	1,1-Dichloroethene	2000	2000	ug/Kg	100			74	130	
	Acetone	10000	9600	ug/Kg	96			57	135	
	Carbon disulfide	2000	1800	ug/Kg	90			71	130	
	Methyl tert-butyl Ether	2000	2100	ug/Kg	105			76	123	
	Methyl Acetate	2000	2300	ug/Kg	115			62	146	
	Methylene Chloride	2000	2100	ug/Kg	105			73	134	
	trans-1,2-Dichloroethene	2000	2000	ug/Kg	100			76	125	
	1,1-Dichloroethane	2000	2000	ug/Kg	100			78	124	
	Cyclohexane	2000	1900	ug/Kg	95			72	130	
	2-Butanone	10000	11000	ug/Kg	110			68	132	
	Carbon Tetrachloride	2000	1900	ug/Kg	95			76	127	
	cis-1,2-Dichloroethene	2000	2000	ug/Kg	100			78	122	
	Bromochloromethane	2000	2200	ug/Kg	110			66	133	
	Chloroform	2000	2000	ug/Kg	100			79	122	
	1,1,1-Trichloroethane	2000	2000	ug/Kg	100			76	126	
	Methylcyclohexane	2000	1900	ug/Kg	95			75	127	
	Benzene	2000	1900	ug/Kg	95			79	124	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			78	124	
	Trichloroethene	2000	1900	ug/Kg	95			78	124	
	1,2-Dichloropropane	2000	2000	ug/Kg	100			76	124	
	Bromodichloromethane	2000	2000	ug/Kg	100			78	122	
	4-Methyl-2-Pentanone	10000	12200	ug/Kg	122			73	135	
	Toluene	2000	1900	ug/Kg	95			78	124	
	t-1,3-Dichloropropene	2000	2000	ug/Kg	100			77	123	
	cis-1,3-Dichloropropene	2000	1900	ug/Kg	95			79	120	
	1,1,2-Trichloroethane	2000	2100	ug/Kg	105			78	123	
	2-Hexanone	10000	11700	ug/Kg	117			71	134	
	Dibromochloromethane	2000	2000	ug/Kg	100			77	121	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			78	123	
	Tetrachloroethene	2000	1800	ug/Kg	90			67	134	
	Chlorobenzene	2000	1900	ug/Kg	95			80	121	
	Ethyl Benzene	2000	2000	ug/Kg	100			80	123	
	m/p-Xylenes	4000	3800	ug/Kg	95			79	126	
	o-Xylene	2000	2000	ug/Kg	100			80	122	
	Styrene	2000	2000	ug/Kg	100			81	121	
	Bromoform	2000	2000	ug/Kg	100			73	124	
	Isopropylbenzene	2000	2100	ug/Kg	105			79	123	
	1,1,2,2-Tetrachloroethane	2000	2300	ug/Kg	115			79	124	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			82	120	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			81	120	
	1,2-Dichlorobenzene	2000	2100	ug/Kg	105			82	118	
	1,2-Dibromo-3-Chloropropane	2000	2300	ug/Kg	115			72	127	

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

SDG No.: K4939
 Client: Day Environmental, Inc.
 Analytical Method: SW8260C Datafile : VN058287.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0923MBS01	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			75	125	
	1,2,3-Trichlorobenzene	2000	2000	ug/Kg	100			79	123	

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

SDG No.: K4939

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Datafile : VW013199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VW0920SBS02	Dichlorodifluoromethane	20	19.3	ug/Kg	97			50	142	
	Chloromethane	20	19.6	ug/Kg	98			65	131	
	Vinyl chloride	20	19.8	ug/Kg	99			67	130	
	Bromomethane	20	18.6	ug/Kg	93			64	136	
	Chloroethane	20	18.4	ug/Kg	92			66	146	
	Trichlorofluoromethane	20	16.3	ug/Kg	81			72	134	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102			73	133	
	1,1-Dichloroethene	20	19.1	ug/Kg	96			74	130	
	Acetone	100	110	ug/Kg	110			57	135	
	Carbon disulfide	20	18.5	ug/Kg	93			71	130	
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101			76	123	
	Methyl Acetate	20	26.9	ug/Kg	135			62	146	
	Methylene Chloride	20	18.4	ug/Kg	92			73	134	
	trans-1,2-Dichloroethene	20	18.5	ug/Kg	93			76	125	
	1,1-Dichloroethane	20	18.9	ug/Kg	95			78	124	
	Cyclohexane	20	20.3	ug/Kg	102			72	130	
	2-Butanone	100	120	ug/Kg	120			68	132	
	Carbon Tetrachloride	20	20.8	ug/Kg	104			76	127	
	cis-1,2-Dichloroethene	20	18.8	ug/Kg	94			78	122	
	Bromochloromethane	20	16.9	ug/Kg	85			66	133	
	Chloroform	20	18.6	ug/Kg	93			79	122	
	1,1,1-Trichloroethane	20	19.6	ug/Kg	98			76	126	
	Methylcyclohexane	20	21.2	ug/Kg	106			75	127	
	Benzene	20	20.0	ug/Kg	100			79	124	
	1,2-Dichloroethane	20	20.9	ug/Kg	104			78	124	
	Trichloroethene	20	19.9	ug/Kg	100			78	124	
	1,2-Dichloropropane	20	19.4	ug/Kg	97			76	124	
	Bromodichloromethane	20	19.2	ug/Kg	96			78	122	
	4-Methyl-2-Pentanone	100	130	ug/Kg	130			73	135	
	Toluene	20	20.0	ug/Kg	100			78	124	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			77	123	
	cis-1,3-Dichloropropene	20	19.1	ug/Kg	96			79	120	
	1,1,2-Trichloroethane	20	21.4	ug/Kg	107			78	123	
	2-Hexanone	100	130	ug/Kg	130			71	134	
	Dibromochloromethane	20	20.5	ug/Kg	103			77	121	
	1,2-Dibromoethane	20	21.7	ug/Kg	109			78	123	
	Tetrachloroethene	20	21.7	ug/Kg	109			67	134	
	Chlorobenzene	20	19.6	ug/Kg	98			80	121	
	Ethyl Benzene	20	20.0	ug/Kg	100			80	123	
	m/p-Xylenes	40	40.2	ug/Kg	101			79	126	
	o-Xylene	20	19.6	ug/Kg	98			80	122	
	Styrene	20	19.9	ug/Kg	100			81	121	
Bromoform	20	21.0	ug/Kg	105			73	124		
Isopropylbenzene	20	20.4	ug/Kg	102			79	123		
1,1,2,2-Tetrachloroethane	20	22.4	ug/Kg	112			79	124		
1,3-Dichlorobenzene	20	19.4	ug/Kg	97			82	120		
1,4-Dichlorobenzene	20	19.9	ug/Kg	100			81	120		
1,2-Dichlorobenzene	20	20.0	ug/Kg	100			82	118		
1,2-Dibromo-3-Chloropropane	20	25.7	ug/Kg	129		*	72	127		

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

SDG No.: K4939
 Client: Day Environmental, Inc.
 Analytical Method: SW8260C Datafile : VW013199.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VW0920SBS02	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			75	125	
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98			79	123	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0923MBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: K4939SAS No.: K4939 SDG NO.: K4939Lab File ID: VN058276.DLab Sample ID: VN0923MBL01Date Analyzed: 09/23/2019Time Analyzed: 09:16GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0923MBS01	VN0923MBS01	VN058287.D	09/23/2019
986-B-3-(24)ME	K4939-07ME	VN058288.D	09/23/2019
982-S-3-(19)ME	K4939-01ME	VN058289.D	09/23/2019
984-S-4-(19)MEDL	K4939-05MEDL	VN058290.D	09/23/2019
985-S-5-(19)ME	K4939-06ME	VN058291.D	09/23/2019
982-S-3-(19)MEDL	K4939-01MEDL	VN058293.D	09/23/2019
984-S-4-(19)ME	K4939-05ME	VN058304.D	09/23/2019

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VW0920SBL02

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: K4939SAS No.: K4939 SDG NO.: K4939Lab File ID: VW013198.DLab Sample ID: VW0920SBL02Date Analyzed: 09/20/2019Time Analyzed: 22:45GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0920SBS02	VW0920SBS02	VW013199.D	09/20/2019
982-S-3-(19)	K4939-01	VW013207.D	09/21/2019
982-S-3-(19)MS	K4939-02MS	VW013208.D	09/21/2019
982-S-3-(19)MSD	K4939-03MSD	VW013209.D	09/21/2019
983-B-2-(24)	K4939-04	VW013210.D	09/21/2019
984-S-4-(19)	K4939-05	VW013211.D	09/21/2019
985-S-5-(19)	K4939-06	VW013212.D	09/21/2019
986-B-3-(24)	K4939-07	VW013213.D	09/21/2019

COMMENTS:



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG NO.: K4939
 Lab File ID: VN058151.D BFB Injection Date: 09/18/2019
 Instrument ID: MSVOA_N BFB Injection Time: 08:30
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.2 (7) 1
176	95.0 - 101.0% of mass 174	73.5 (99.7) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN058152.D	09/18/2019	09:21
VSTDIC005	VSTDIC005	VN058153.D	09/18/2019	09:43
VSTDIC020	VSTDIC020	VN058154.D	09/18/2019	10:05
VSTDIC050	VSTDIC050	VN058155.D	09/18/2019	10:27
VSTDIC100	VSTDIC100	VN058156.D	09/18/2019	10:49
VSTDIC150	VSTDIC150	VN058157.D	09/18/2019	11:11



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG NO.: K4939
 Lab File ID: VN058274.D BFB Injection Date: 09/23/2019
 Instrument ID: MSVOA_N BFB Injection Time: 08:18
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	71.5 (97.4) 1
177	5.0 - 9.0% of mass 176	5.4 (7.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN058275.D	09/23/2019	08:42
VN0923MBL01	VN0923MBL01	VN058276.D	09/23/2019	09:16
VN0923MBS01	VN0923MBS01	VN058287.D	09/23/2019	13:18
986-B-3-(24)ME	K4939-07ME	VN058288.D	09/23/2019	13:40
982-S-3-(19)ME	K4939-01ME	VN058289.D	09/23/2019	14:02
984-S-4-(19)MEDL	K4939-05MEDL	VN058290.D	09/23/2019	14:24
985-S-5-(19)ME	K4939-06ME	VN058291.D	09/23/2019	14:45
982-S-3-(19)MEDL	K4939-01MEDL	VN058293.D	09/23/2019	15:29
984-S-4-(19)ME	K4939-05ME	VN058304.D	09/23/2019	19:35



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG NO.: K4939
 Lab File ID: VW013176.D BFB Injection Date: 09/20/2019
 Instrument ID: MSVOA_W BFB Injection Time: 11:43
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	92.9
175	5.0 - 9.0% of mass 174	7.7 (8.3) 1
176	95.0 - 101.0% of mass 174	90.8 (97.7) 1
177	5.0 - 9.0% of mass 176	5.9 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW013177.D	09/20/2019	12:43
VSTDIC010	VSTDIC010	VW013178.D	09/20/2019	13:09
VSTDIC020	VSTDIC020	VW013179.D	09/20/2019	13:35
VSTDIC050	VSTDIC050	VW013180.D	09/20/2019	14:01
VSTDIC100	VSTDIC100	VW013181.D	09/20/2019	14:27
VSTDIC150	VSTDIC150	VW013182.D	09/20/2019	14:53



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG NO.: K4939
 Lab File ID: VW013196.D BFB Injection Date: 09/20/2019
 Instrument ID: MSVOA_W BFB Injection Time: 21:26
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	87
175	5.0 - 9.0% of mass 174	7.1 (8.1) 1
176	95.0 - 101.0% of mass 174	83.2 (95.7) 1
177	5.0 - 9.0% of mass 176	5.7 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW013197.D	09/20/2019	21:52
VW0920SBL02	VW0920SBL02	VW013198.D	09/20/2019	22:45
VW0920SBS02	VW0920SBS02	VW013199.D	09/20/2019	23:10
982-S-3-(19)	K4939-01	VW013207.D	09/21/2019	02:38
982-S-3-(19)MS	K4939-02MS	VW013208.D	09/21/2019	03:03
982-S-3-(19)MSD	K4939-03MSD	VW013209.D	09/21/2019	03:29
983-B-2-(24)	K4939-04	VW013210.D	09/21/2019	03:56
984-S-4-(19)	K4939-05	VW013211.D	09/21/2019	04:22
985-S-5-(19)	K4939-06	VW013212.D	09/21/2019	04:48
986-B-3-(24)	K4939-07	VW013213.D	09/21/2019	05:14

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG NO.: K4939
 Lab File ID: VN058275.D Date Analyzed: 09/23/2019
 Instrument ID: MSVOA_N Time Analyzed: 08:42
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	470201	7.65	793108	8.57	735444	11.41
UPPER LIMIT	940402	8.15	1586220	9.07	1470890	11.91
LOWER LIMIT	235101	7.15	396554	8.07	367722	10.91
EPA SAMPLE NO.						
982-S-3-(19)ME	493928	7.65	802717	8.57	674709	11.41
982-S-3-(19)MEDL	436826	7.65	706898	8.57	606090	11.41
984-S-4-(19)ME	456621	7.65	743644	8.57	625068	11.41
984-S-4-(19)MEDL	480389	7.65	796419	8.57	688082	11.41
985-S-5-(19)ME	475539	7.65	778177	8.58	666475	11.41
986-B-3-(24)ME	450662	7.65	724522	8.57	586826	11.41
VN0923MBL01	505139	7.65	827489	8.57	706195	11.41
VN0923MBS01	447656	7.65	766557	8.58	685170	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG NO.: K4939
 Lab File ID: VN058275.D Date Analyzed: 09/23/2019
 Instrument ID: MSVOA_N Time Analyzed: 08:42
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	366875	13.35			
UPPER LIMIT	733750	13.85			
LOWER LIMIT	183438	12.85			
EPA SAMPLE NO.					
982-S-3-(19)ME	276542	13.35			
982-S-3-(19)MEDL	245205	13.35			
984-S-4-(19)ME	261140	13.35			
984-S-4-(19)MEDL	287656	13.35			
985-S-5-(19)ME	271938	13.35			
986-B-3-(24)ME	239323	13.35			
VN0923MBL01	276913	13.35			
VN0923MBS01	321729	13.35			

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG NO.: K4939
 Lab File ID: VW013197.D Date Analyzed: 09/20/2019
 Instrument ID: MSVOA_W Time Analyzed: 21:52
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	337215	7.95	480172	8.84	413145	11.63
UPPER LIMIT	674430	8.45	960344	9.34	826290	12.13
LOWER LIMIT	168608	7.45	240086	8.34	206573	11.13
EPA SAMPLE NO.						
982-S-3-(19)	373385	7.95	573350	8.84	467016	11.63
982-S-3-(19)MS	268663	7.95	470621	8.84	364579	11.63
982-S-3-(19)MSD	261414	7.95	455971	8.84	350395	11.63
983-B-2-(24)	318119	7.95	479373	8.84	391963	11.63
984-S-4-(19)	376633	7.95	595334	8.84	444455	11.63
985-S-5-(19)	387844	7.95	591358	8.84	471620	11.63
986-B-3-(24)	380306	7.95	570217	8.84	483950	11.63
VW0920SBL02	316462	7.95	473428	8.84	395558	11.63
VW0920SBS02	305634	7.95	420425	8.84	365231	11.63

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG NO.: K4939
 Lab File ID: VW013197.D Date Analyzed: 09/20/2019
 Instrument ID: MSVOA_W Time Analyzed: 21:52
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #			
12 HOUR STD	211815	13.55			
UPPER LIMIT	423630	14.05			
LOWER LIMIT	105908	13.05			
EPA SAMPLE NO.					
982-S-3-(19)	145820	13.55			
982-S-3-(19)MS	94730 *	13.55			
982-S-3-(19)MSD	87460 *	13.55			
983-B-2-(24)	171994	13.56			
984-S-4-(19)	95656 *	13.55			
985-S-5-(19)	145960	13.55			
986-B-3-(24)	199808	13.56			
VW0920SBL02	175351	13.56			
VW0920SBS02	187014	13.55			

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE
DATA

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)	SDG No.:	K4939
Lab Sample ID:	K4939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013207.D	1		09/21/19 02:38	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.20	U	0.77	4.20	ug/Kg
74-87-3	Chloromethane	4.20	U	1.50	4.20	ug/Kg
75-01-4	Vinyl Chloride	4.20	U	0.94	4.20	ug/Kg
74-83-9	Bromomethane	4.20	U	0.32	4.20	ug/Kg
75-00-3	Chloroethane	4.20	U	0.49	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	4.20	U	0.55	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.20	U	0.68	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	4.20	U	0.84	4.20	ug/Kg
67-64-1	Acetone	9.00	J	6.50	21.2	ug/Kg
75-15-0	Carbon Disulfide	4.20	U	0.91	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.20	U	1.20	4.20	ug/Kg
79-20-9	Methyl Acetate	4.20	U	2.40	4.20	ug/Kg
75-09-2	Methylene Chloride	8.50	U	4.40	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.20	U	1.10	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	4.20	U	0.77	4.20	ug/Kg
110-82-7	Cyclohexane	4.20	U	1.50	4.20	ug/Kg
78-93-3	2-Butanone	21.2	U	5.70	21.2	ug/Kg
56-23-5	Carbon Tetrachloride	4.20	U	0.70	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.20	U	0.84	4.20	ug/Kg
74-97-5	Bromochloromethane	4.20	U	1.00	4.20	ug/Kg
67-66-3	Chloroform	4.20	U	0.73	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.20	U	0.90	4.20	ug/Kg
108-87-2	Methylcyclohexane	4.20	U	1.00	4.20	ug/Kg
71-43-2	Benzene	4.20	U	0.71	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	4.20	U	1.00	4.20	ug/Kg
79-01-6	Trichloroethene	7.50		0.79	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	4.20	U	1.10	4.20	ug/Kg
75-27-4	Bromodichloromethane	4.20	U	0.84	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	21.2	U	4.70	21.2	ug/Kg
108-88-3	Toluene	4.20	U	0.83	4.20	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.20	U	0.85	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.20	U	0.91	4.20	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)	SDG No.:	K4939
Lab Sample ID:	K4939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013207.D	1		09/21/19 02:38	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4.20	U	1.20	4.20	ug/Kg
591-78-6	2-Hexanone	21.2	U	6.30	21.2	ug/Kg
124-48-1	Dibromochloromethane	4.20	U	1.10	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	4.20	U	1.10	4.20	ug/Kg
127-18-4	Tetrachloroethene	2500	E	0.59	4.20	ug/Kg
108-90-7	Chlorobenzene	4.20	U	0.67	4.20	ug/Kg
100-41-4	Ethyl Benzene	4.20	U	0.72	4.20	ug/Kg
179601-23-1	m/p-Xylenes	8.50	U	1.40	8.50	ug/Kg
95-47-6	o-Xylene	4.20	U	0.93	4.20	ug/Kg
100-42-5	Styrene	4.20	U	0.84	4.20	ug/Kg
75-25-2	Bromoform	4.20	U	2.80	4.20	ug/Kg
98-82-8	Isopropylbenzene	4.20	U	0.73	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.20	U	0.92	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.20	U	0.90	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.20	U	0.89	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.20	U	1.10	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.20	UQ	2.80	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.20	U	0.94	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.20	U	1.10	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		56 - 120	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		57 - 135	102%	SPK: 50
2037-26-5	Toluene-d8	50.7		67 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.1		33 - 141	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	373000	7.95			
540-36-3	1,4-Difluorobenzene	573000	8.84			
3114-55-4	Chlorobenzene-d5	467000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.55			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013207.D
 Acq On : 21 Sep 2019 02:38
 Operator : SY/VA
 Sample : K4939-01
 Misc : 6.43G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)

Quant Time: Sep 21 06:17:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

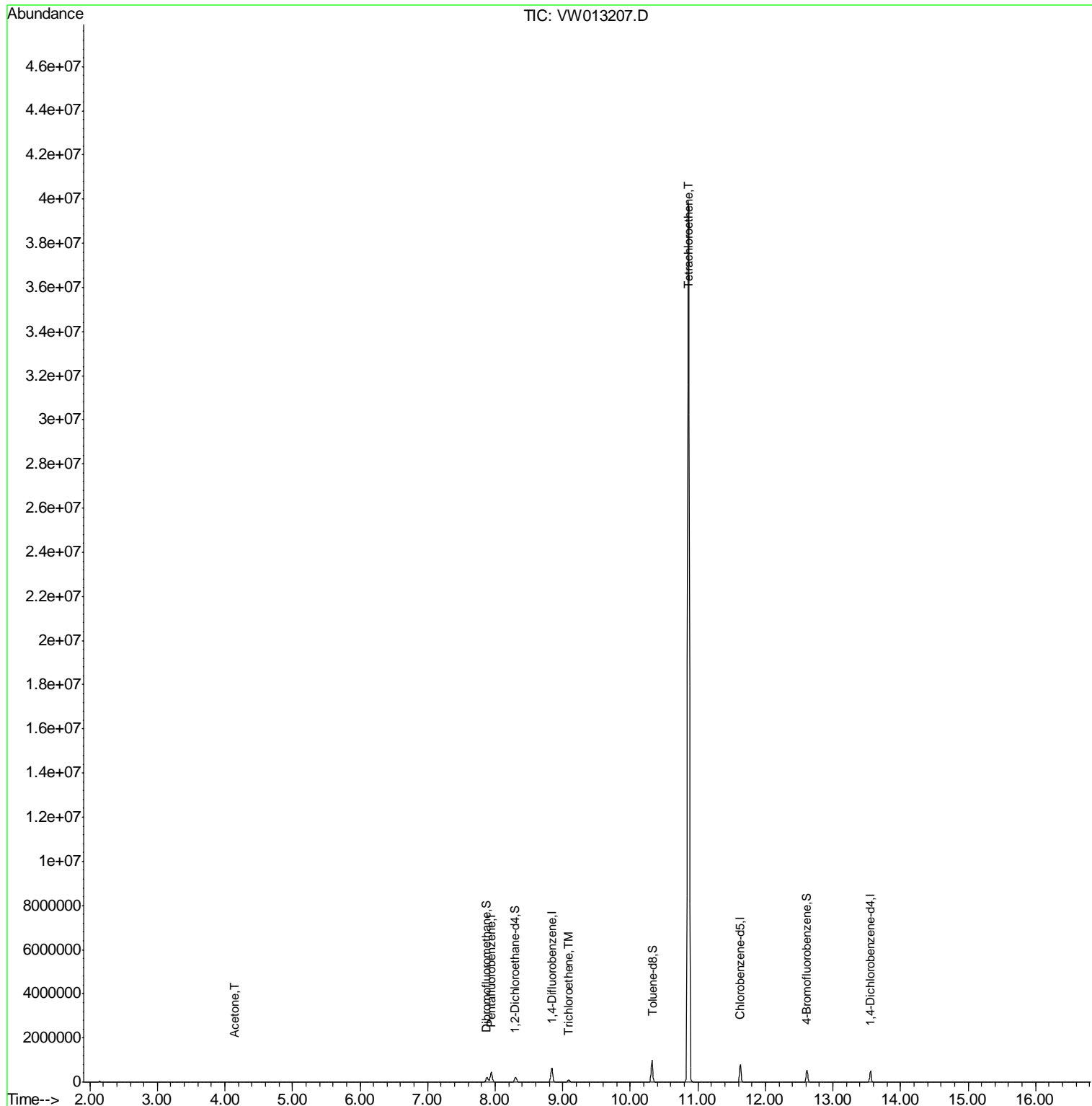
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	373385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	573350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	145820	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	167033	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
35) Dibromofluoromethane	7.88	113	161017	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.32	98	669126	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.62	95	180976	40.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.28%	
Target Compounds						
16) Acetone	4.14	43	7303	10.627	ug/l	92
44) Trichloroethene	9.09	130	38646	8.892	ug/l	98
64) Tetrachloroethene	10.86	164	10573618	2984.020	ug/l	95

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

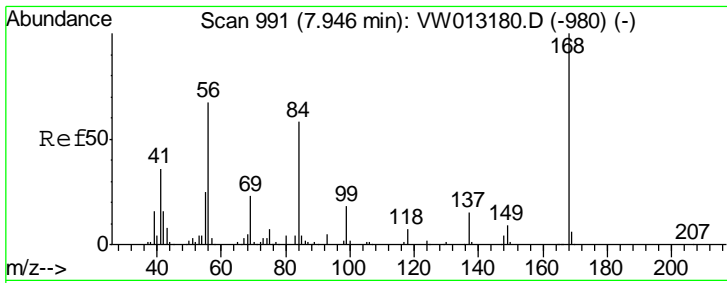
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013207.D
 Acq On : 21 Sep 2019 02:38
 Operator : SY/VA
 Sample : K4939-01
 Misc : 6.43G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampleId :
 982-S-3-(19)

Quant Time: Sep 21 06:17:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



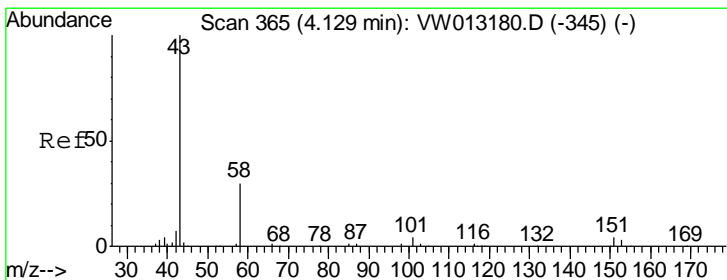
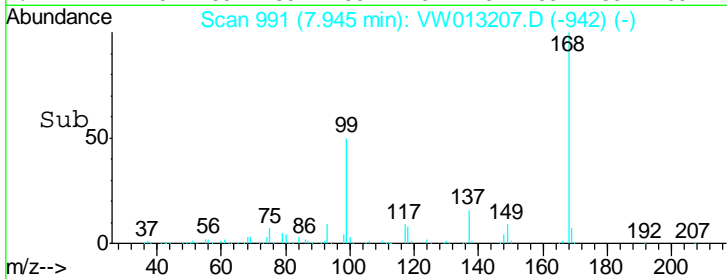
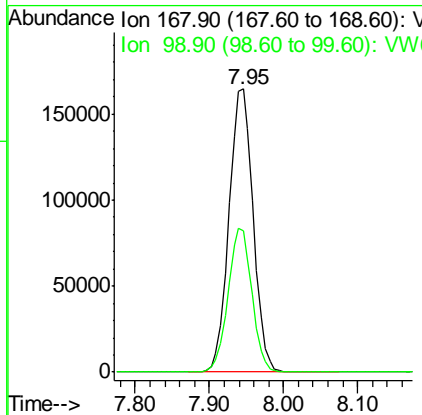
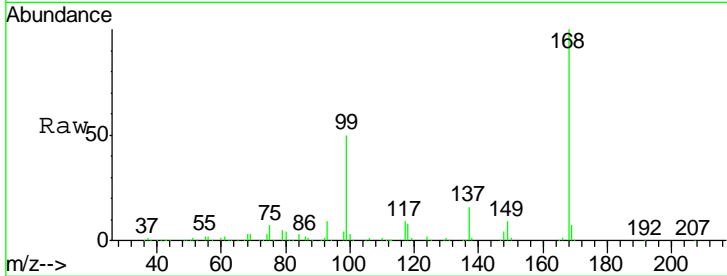
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

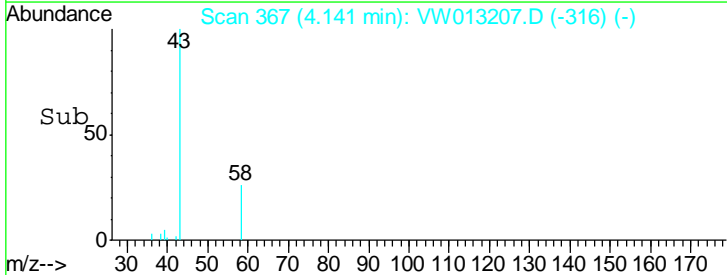
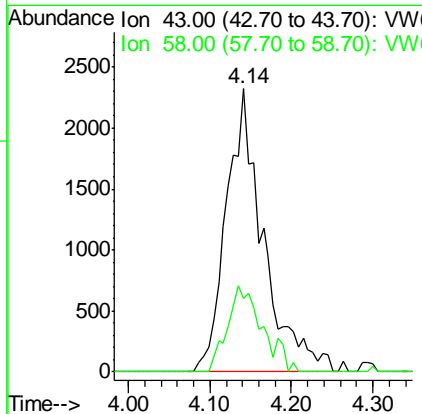
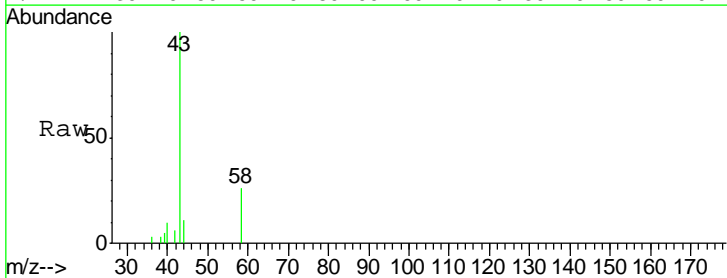
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)

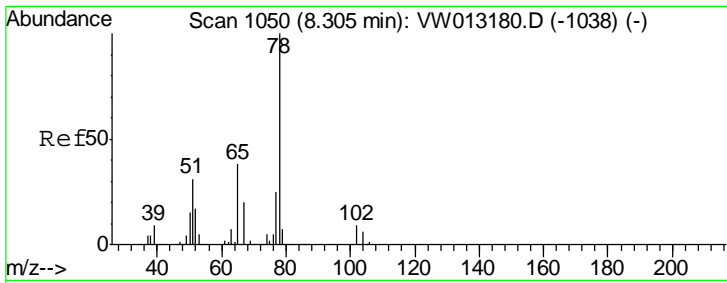
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.0	40.2	60.4



#16
 Acetone
 Concen: 10.627 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

Tgt Ion	Resp	Lower	Upper
43	100		
58	25.9	24.1	36.1

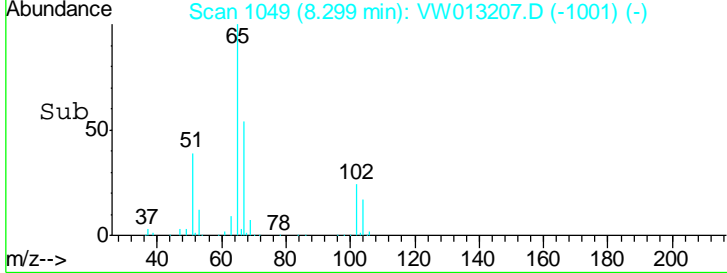
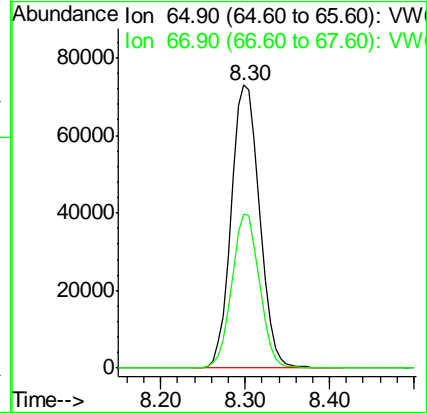
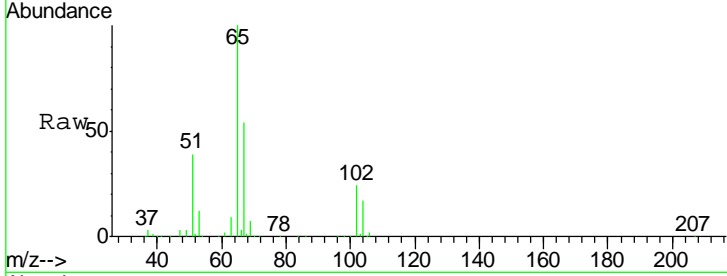




#33
 1,2-Dichloroethane-d4
 Concen: 54.812 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

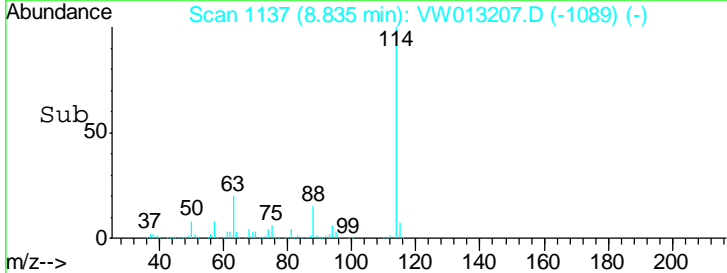
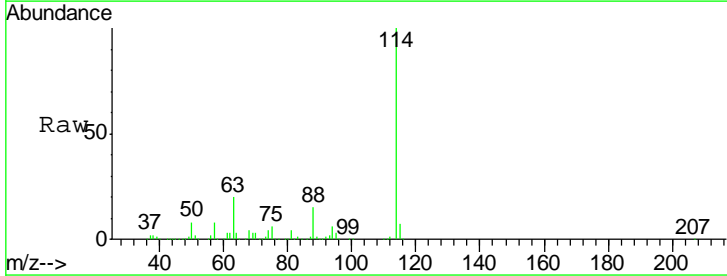
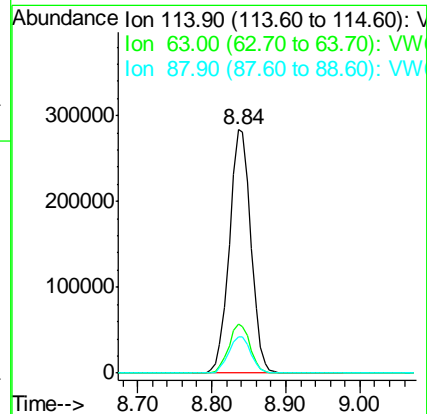
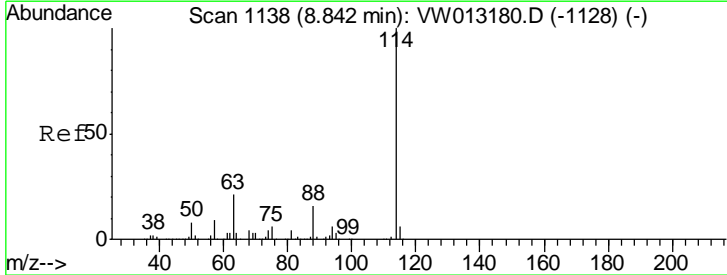
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)

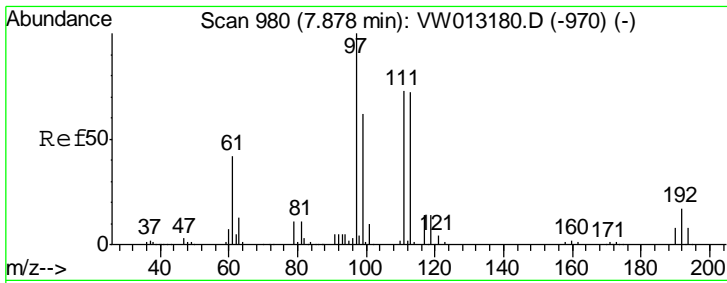
Tgt Ion	Resp	Lower	Upper
65	167033		
65	100		
67	53.0	0.0	106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

Tgt Ion	Resp	Lower	Upper
114	573350		
114	100		
63	20.3	0.0	41.4
88	15.1	0.0	32.0

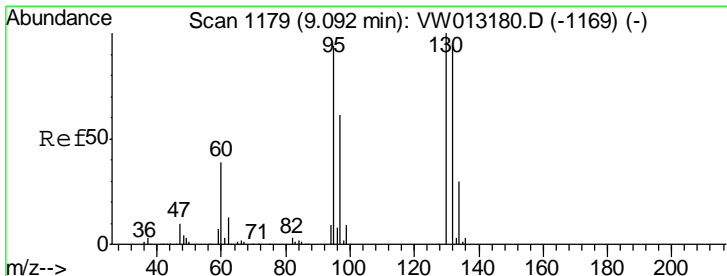
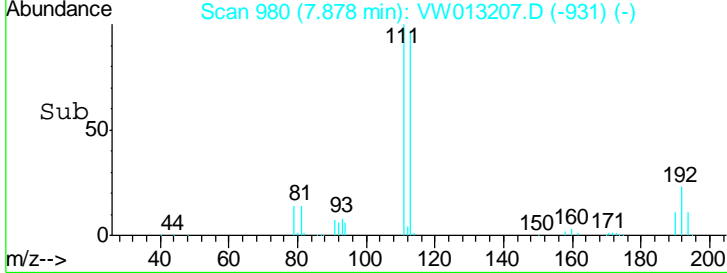
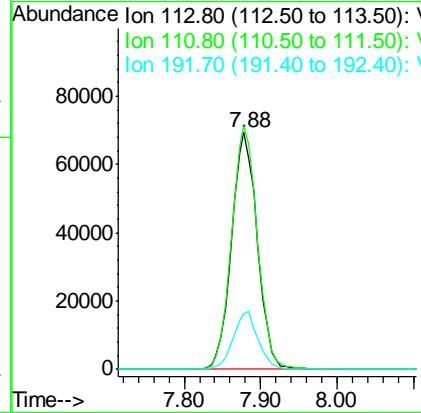
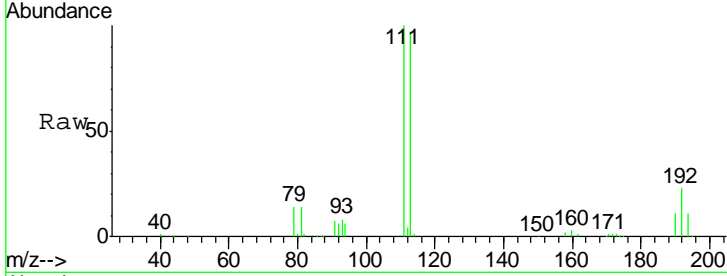




#35
 Dibromofluoromethane
 Concen: 51.061 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

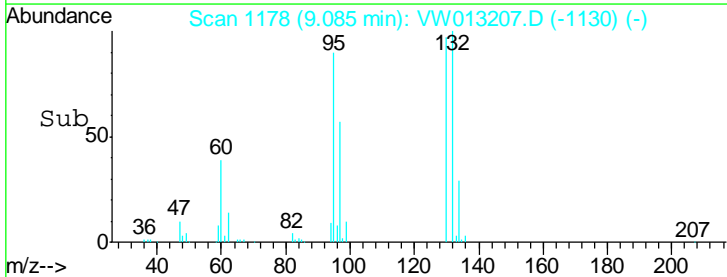
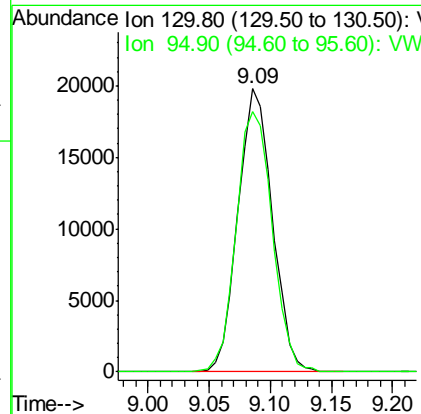
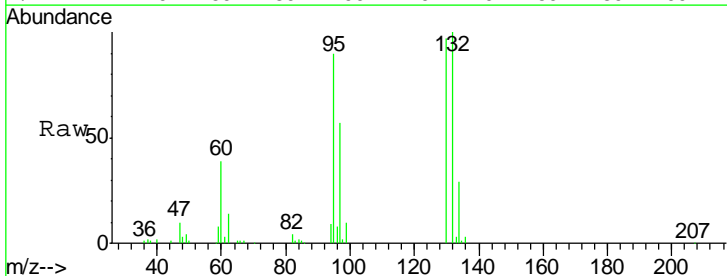
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)

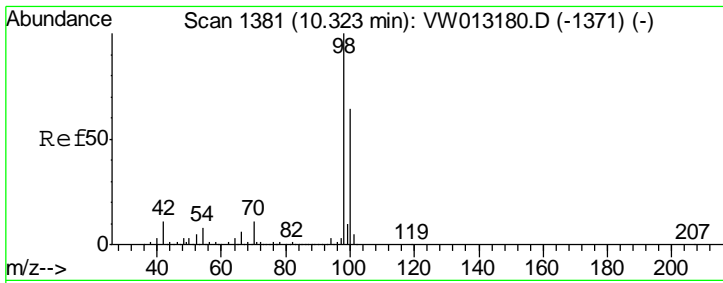
Tgt Ion	Resp	Lower	Upper
113	161017		
113	100		
111	103.0	81.9	122.9
192	23.5	19.1	28.7



#44
 Trichloroethene
 Concen: 8.892 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

Tgt Ion	Resp	Lower	Upper
130	38646		
130	100		
95	92.0	0.0	188.0

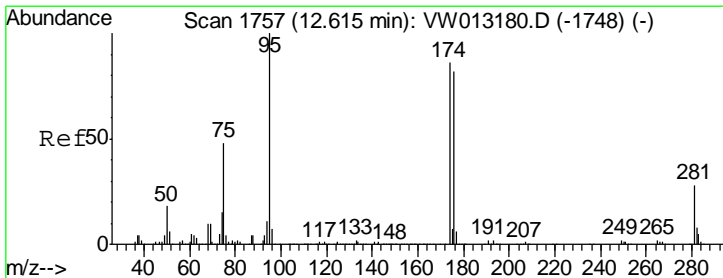
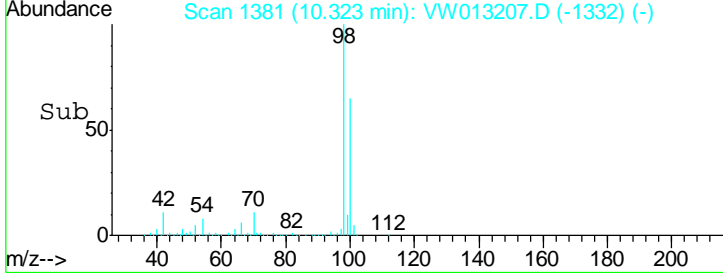
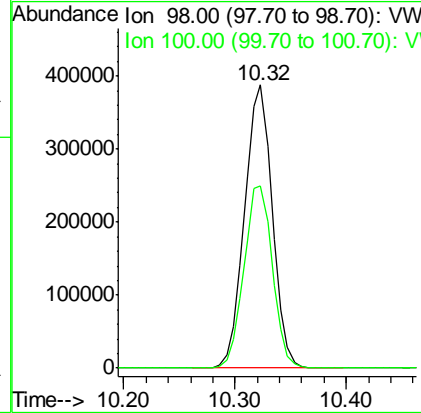
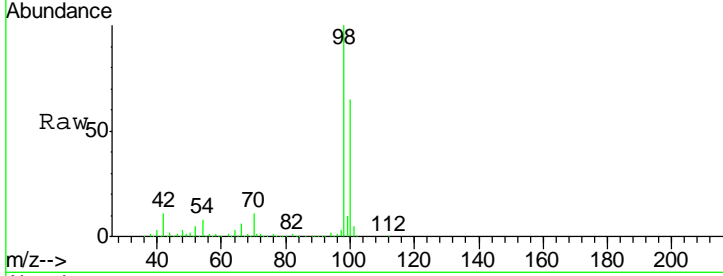




#50
 Toluene-d8
 Concen: 50.701 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

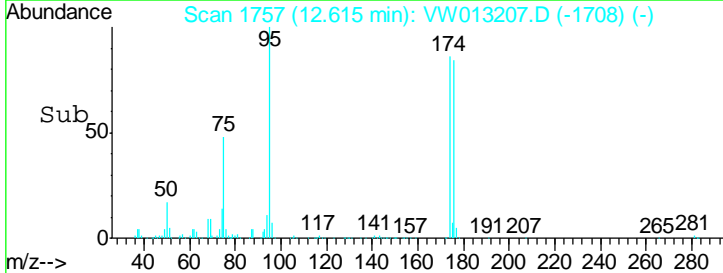
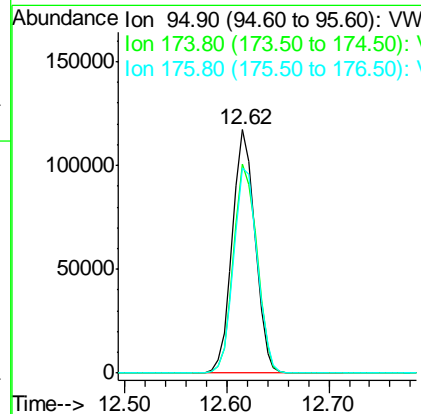
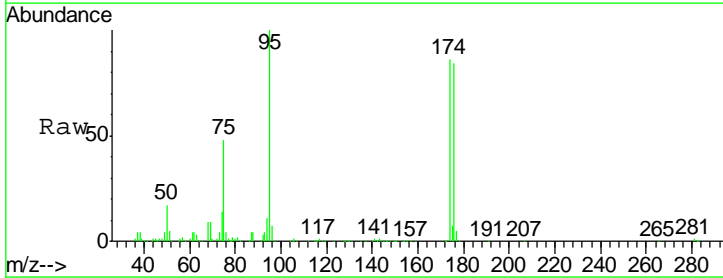
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)

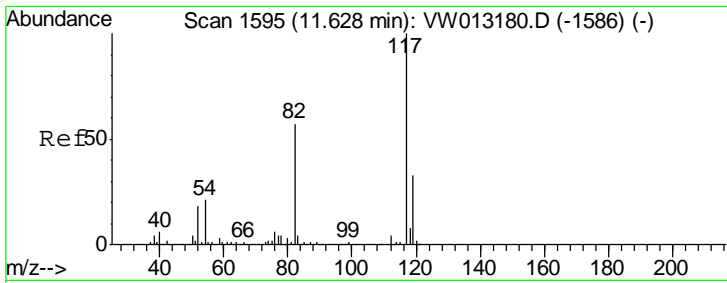
Tgt Ion	Resp	Lower	Upper
98	100		
100	66.5	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 40.144 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.3	0.0	178.4
176	87.1	0.0	172.2

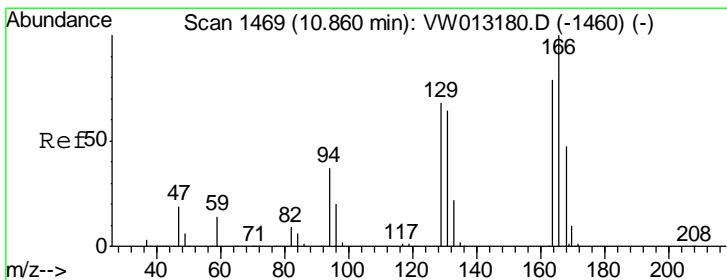
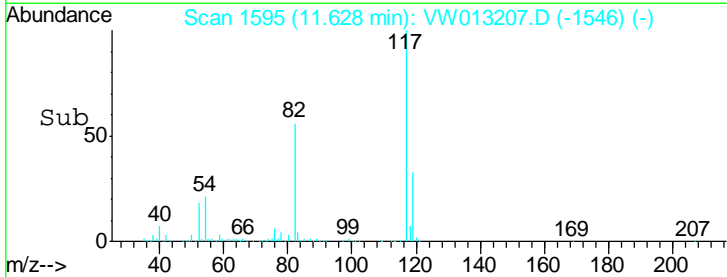
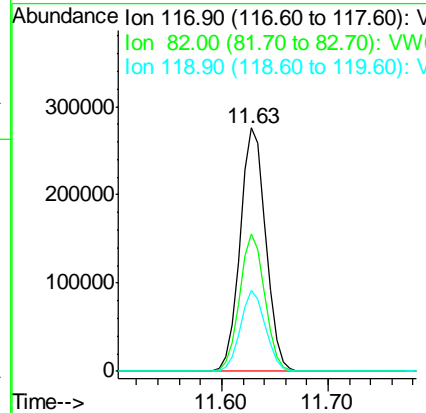
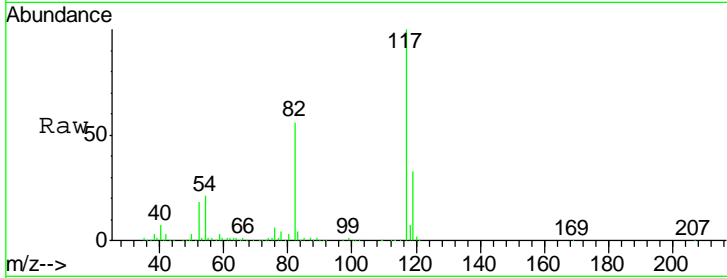




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

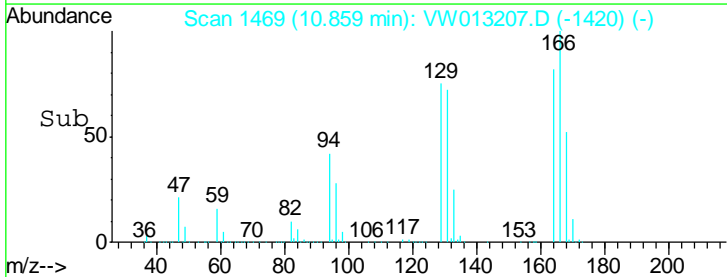
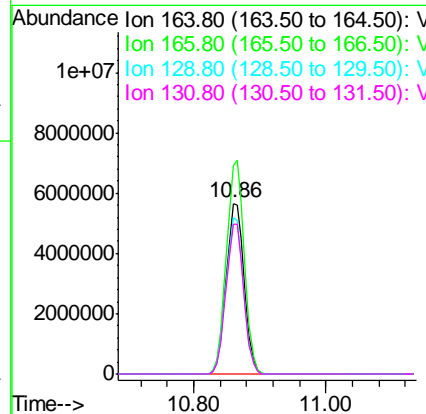
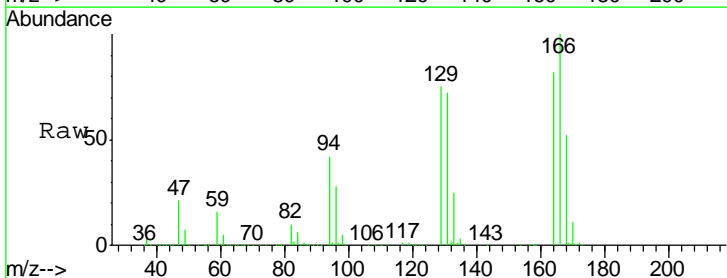
Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)

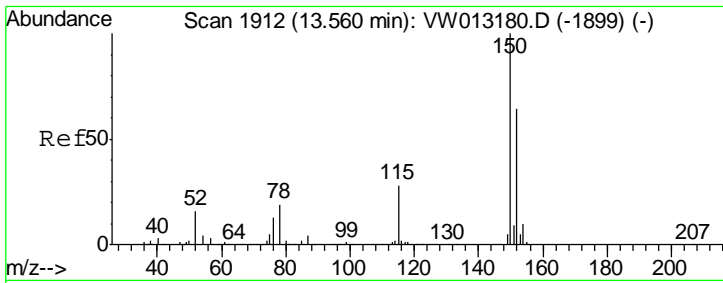
Tgt Ion	Resp	Lower	Upper
117	467016		
82	56.2	45.9	68.9
119	33.1	26.2	39.2



#64
 Tetrachloroethene
 Concen: 2984.020 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

Tgt Ion	Resp	Lower	Upper
164	10573618		
166	122.4	101.2	151.8
129	91.6	68.8	103.2
131	87.6	65.2	97.8

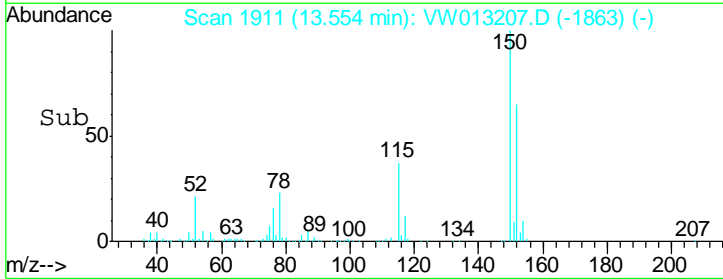
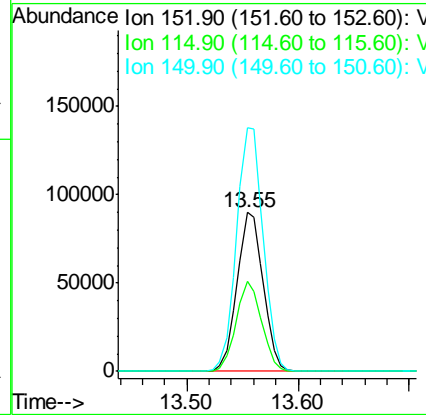
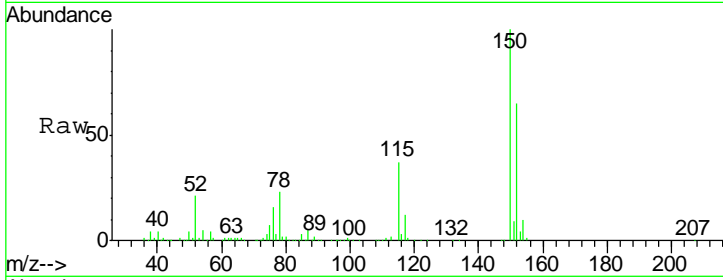




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013207.D
 Acq: 21 Sep 2019 02:38

Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)

Tot Ion	Resp	Lower	Upper
152	145820		
152	100		
115	55.3	27.3	81.9
150	156.8	0.0	349.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013207.D
 Acq On : 21 Sep 2019 02:38
 Operator : SY/VA
 Sample : K4939-01
 Misc : 6.43G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.939	985	990	1002	rVB	442412	992118	1.34%	1.225%
2	8.835	1128	1137	1146	rBV	629940	1275853	1.73%	1.576%
3	10.323	1372	1381	1388	rBV	994470	1737845	2.35%	2.146%
4	10.859	1460	1469	1488	rBV	39922950	73868871	100.00%	91.234%
5	11.628	1587	1595	1607	rBV	808136	1360303	1.84%	1.680%
6	12.615	1750	1757	1767	rVB	561342	884923	1.20%	1.093%
7	13.554	1904	1911	1919	rBV	513719	846071	1.15%	1.045%

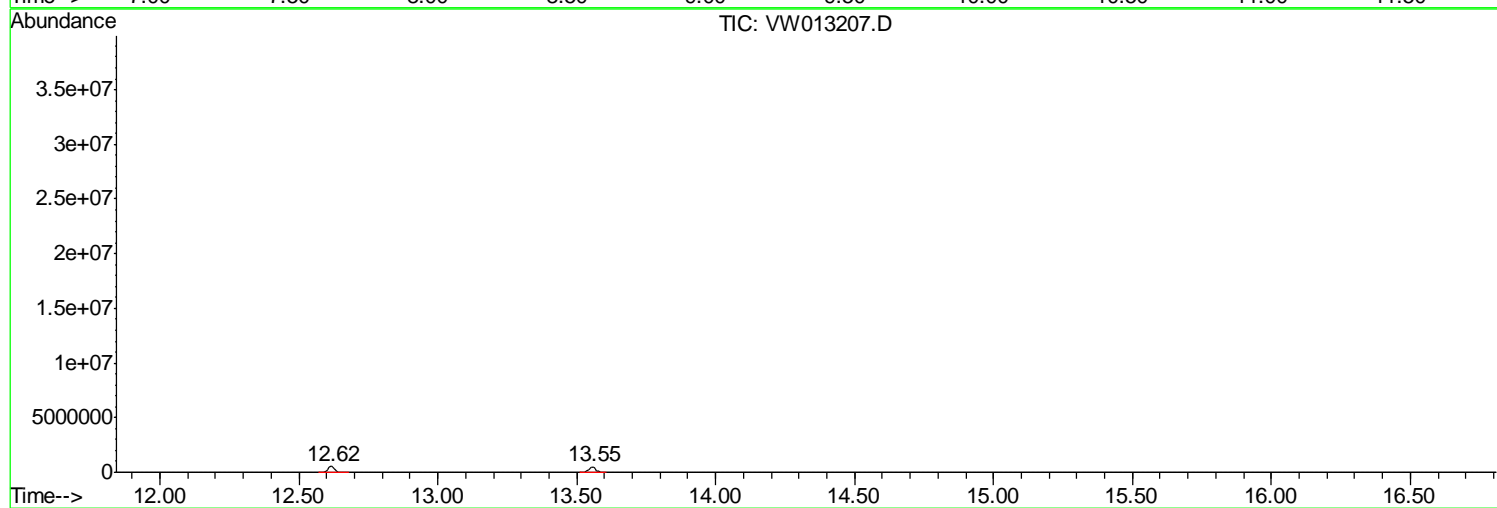
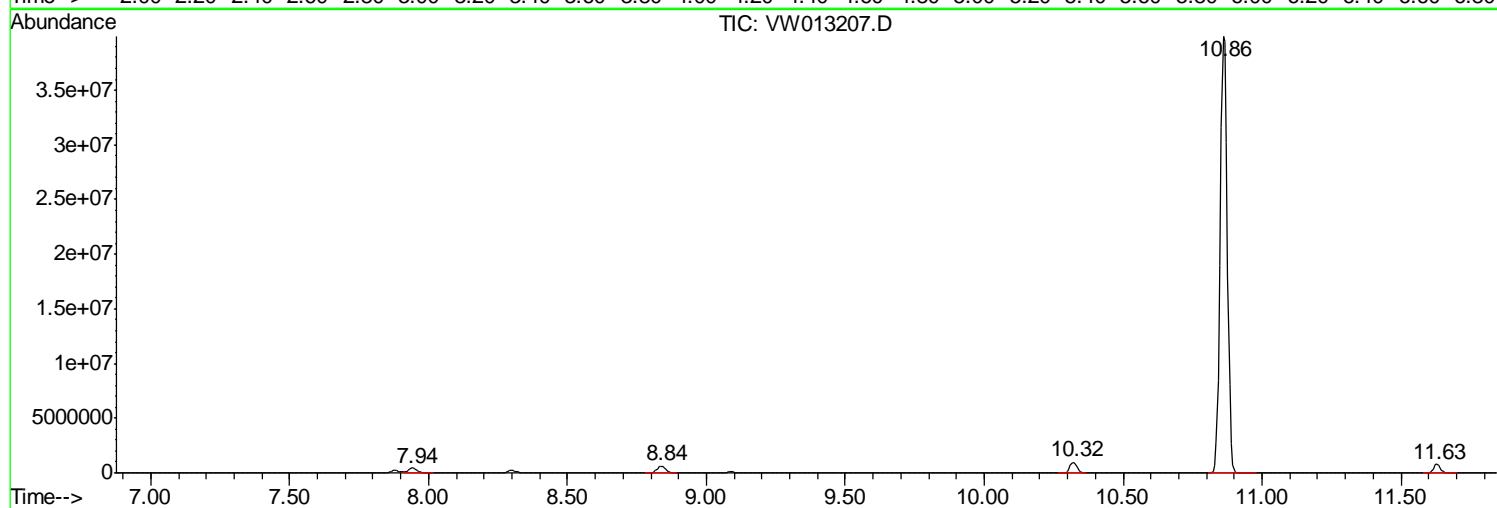
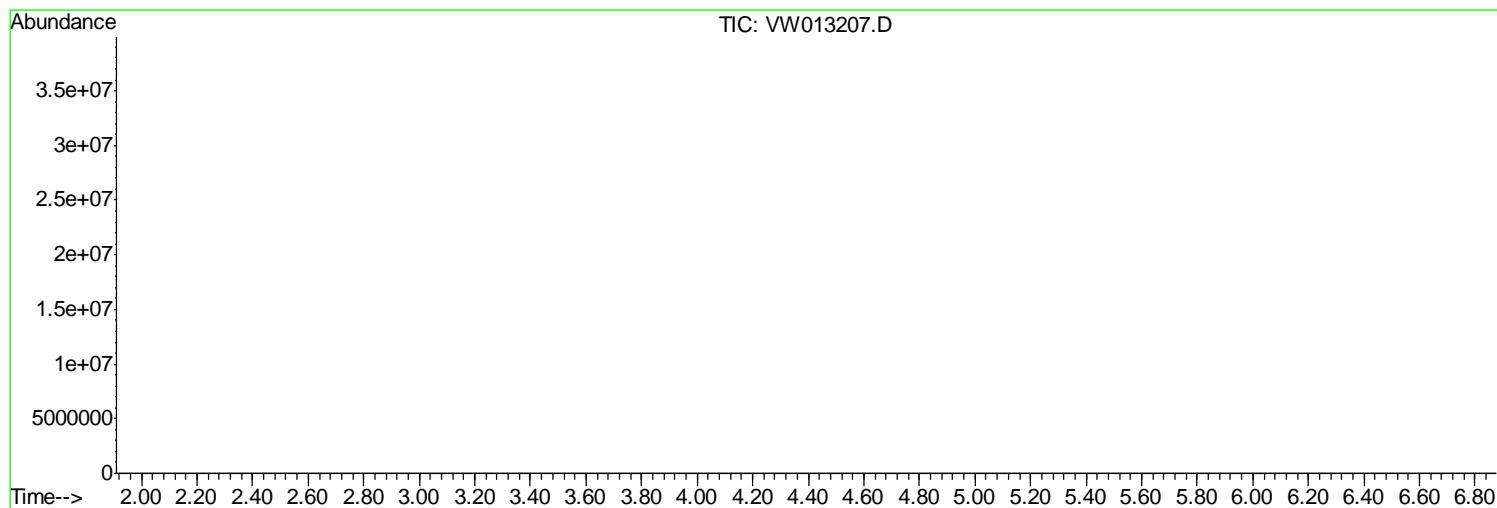
Sum of corrected areas: 80965984

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013207.D
Acq On : 21 Sep 2019 02:38
Operator : SY/VA
Sample : K4939-01
Misc : 6.43G/5ML/MSVOA W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
Data File : VW013207.D
Acq On : 21 Sep 2019 02:38
Operator : SY/VA
Sample : K4939-01
Misc : 6.43G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
982-S-3-(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
 Data File : VW013207.D
 Acq On : 21 Sep 2019 02:38
 Operator : SY/VA
 Sample : K4939-01
 Misc : 6.43G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)ME	SDG No.:	K4939
Lab Sample ID:	K4939-01ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.52 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058289.D	1		09/23/19 14:02	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	420	UD	76.0	420	ug/Kg
74-87-3	Chloromethane	420	UD	150	420	ug/Kg
75-01-4	Vinyl Chloride	420	UD	93.0	420	ug/Kg
74-83-9	Bromomethane	420	UD	31.6	420	ug/Kg
75-00-3	Chloroethane	420	UD	48.1	420	ug/Kg
75-69-4	Trichlorofluoromethane	420	UD	54.0	420	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	420	UD	67.0	420	ug/Kg
75-35-4	1,1-Dichloroethene	420	UD	82.9	420	ug/Kg
67-64-1	Acetone	2100	UD	640	2100	ug/Kg
75-15-0	Carbon Disulfide	420	UD	89.6	420	ug/Kg
1634-04-4	Methyl tert-butyl Ether	420	UD	120	420	ug/Kg
79-20-9	Methyl Acetate	420	UD	240	420	ug/Kg
75-09-2	Methylene Chloride	840	UD	430	840	ug/Kg
156-60-5	trans-1,2-Dichloroethene	420	UD	110	420	ug/Kg
75-34-3	1,1-Dichloroethane	420	UD	76.1	420	ug/Kg
110-82-7	Cyclohexane	420	UD	150	420	ug/Kg
78-93-3	2-Butanone	2100	UD	560	2100	ug/Kg
56-23-5	Carbon Tetrachloride	420	UD	69.0	420	ug/Kg
156-59-2	cis-1,2-Dichloroethene	420	UD	82.5	420	ug/Kg
74-97-5	Bromochloromethane	420	UD	99.7	420	ug/Kg
67-66-3	Chloroform	420	UD	72.2	420	ug/Kg
71-55-6	1,1,1-Trichloroethane	420	UD	88.5	420	ug/Kg
108-87-2	Methylcyclohexane	420	UD	98.6	420	ug/Kg
71-43-2	Benzene	420	UD	70.1	420	ug/Kg
107-06-2	1,2-Dichloroethane	420	UD	100	420	ug/Kg
79-01-6	Trichloroethene	420	UD	78.0	420	ug/Kg
78-87-5	1,2-Dichloropropane	420	UD	100	420	ug/Kg
75-27-4	Bromodichloromethane	420	UD	83.1	420	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2100	UD	470	2100	ug/Kg
108-88-3	Toluene	420	UD	81.6	420	ug/Kg
10061-02-6	t-1,3-Dichloropropene	420	UD	84.2	420	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	420	UD	89.5	420	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)ME	SDG No.:	K4939
Lab Sample ID:	K4939-01ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.52 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058289.D	1		09/23/19 14:02	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	420	UD	120	420	ug/Kg
591-78-6	2-Hexanone	2100	UD	620	2100	ug/Kg
124-48-1	Dibromochloromethane	420	UD	110	420	ug/Kg
106-93-4	1,2-Dibromoethane	420	UD	110	420	ug/Kg
127-18-4	Tetrachloroethene	15100	ED	58.1	420	ug/Kg
108-90-7	Chlorobenzene	420	UD	65.9	420	ug/Kg
100-41-4	Ethyl Benzene	420	UD	71.4	420	ug/Kg
179601-23-1	m/p-Xylenes	840	UD	140	840	ug/Kg
95-47-6	o-Xylene	420	UD	91.7	420	ug/Kg
100-42-5	Styrene	420	UD	82.9	420	ug/Kg
75-25-2	Bromoform	420	UD	270	420	ug/Kg
98-82-8	Isopropylbenzene	420	UD	72.4	420	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	420	UD	90.9	420	ug/Kg
541-73-1	1,3-Dichlorobenzene	420	UD	89.0	420	ug/Kg
106-46-7	1,4-Dichlorobenzene	420	UD	88.3	420	ug/Kg
95-50-1	1,2-Dichlorobenzene	420	UD	110	420	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	420	UD	280	420	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	420	UD	93.0	420	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	420	UD	110	420	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		56 - 120	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	52.5		67 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		33 - 141	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	494000	7.65			
540-36-3	1,4-Difluorobenzene	803000	8.57			
3114-55-4	Chlorobenzene-d5	675000	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	277000	13.35			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)ME	SDG No.:	K4939
Lab Sample ID:	K4939-01ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.52 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058289.D	1		09/23/19 14:02	VN092319

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058289.D
 Acq On : 23 Sep 2019 14:02
 Operator : JC/SP
 Sample : K4939-01ME
 Misc : 6.52µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 982-S-3-(19)ME

Quant Time: Sep 25 11:11:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

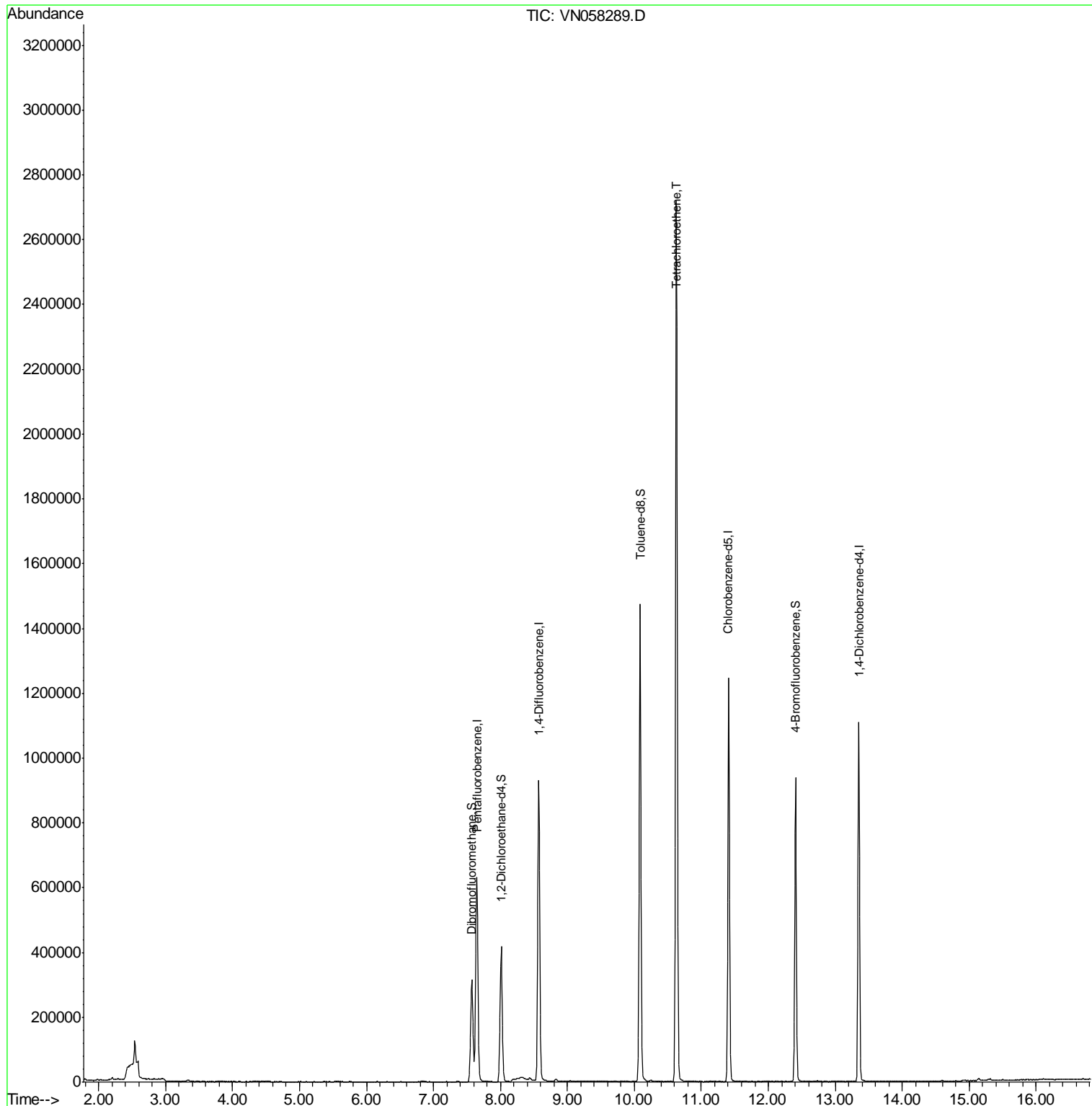
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	493928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	802717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	674709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276542	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	361032	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
35) Dibromofluoromethane	7.57	113	237783	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	10.08	98	998966	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.41	95	313461	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	
Target Compounds						
64) Tetrachloroethene	10.63	164	593116	180.331	ug/l	99

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

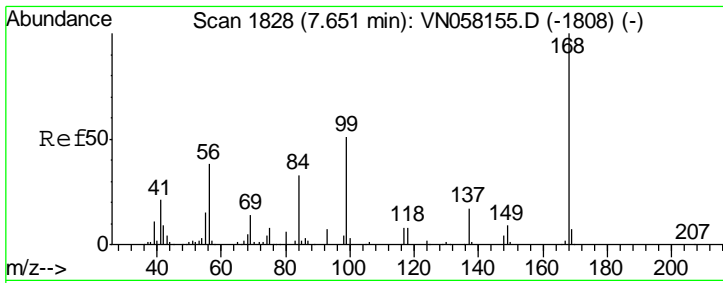
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058289.D
 Acq On : 23 Sep 2019 14:02
 Operator : JC/SP
 Sample : K4939-01ME
 Misc : 6.52µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 982-S-3-(19)ME

Quant Time: Sep 25 11:11:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration



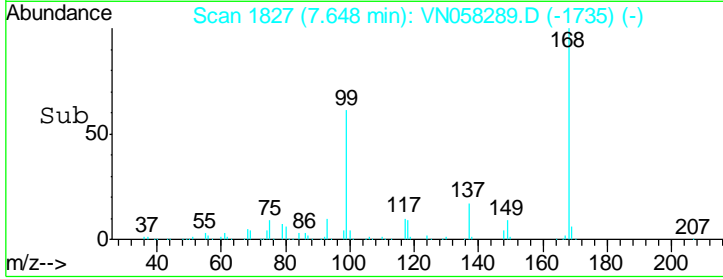
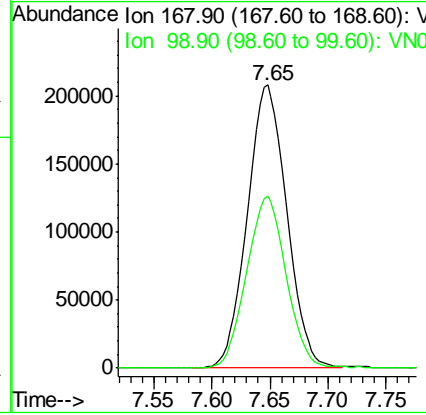
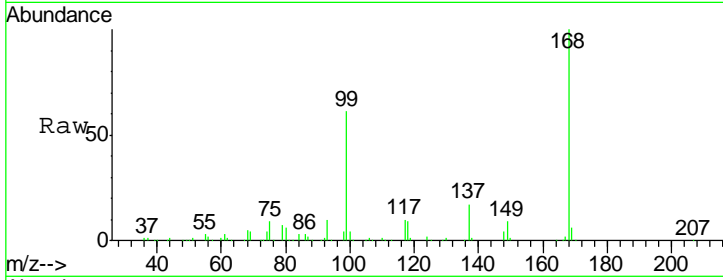
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: VN058289.D
 Acq: 23 Sep 2019 14:02

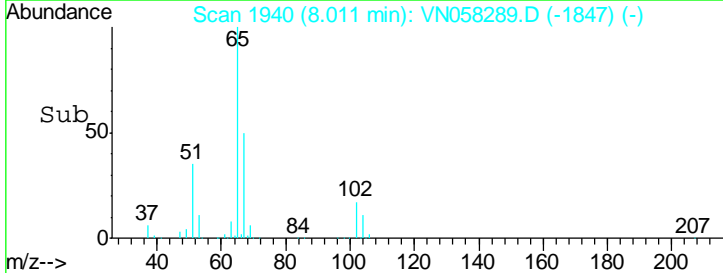
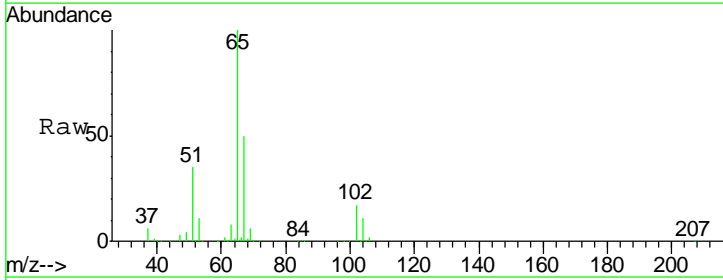
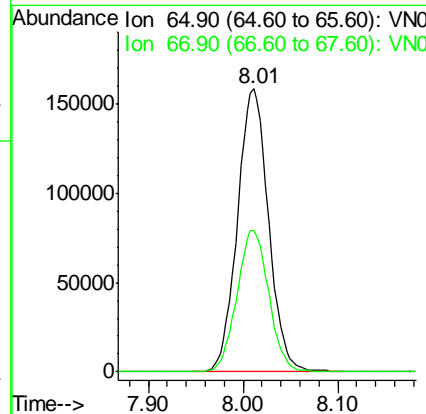
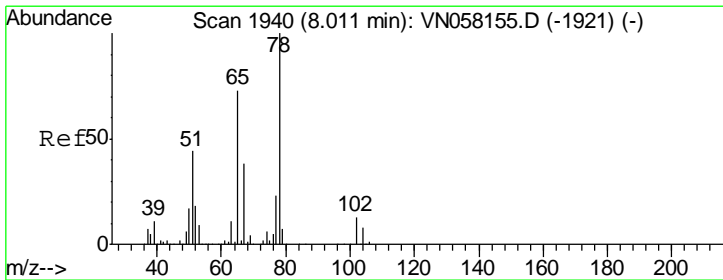
Instrument : MSVOA_N
 ClientSampleId : 982-S-3-(19)ME

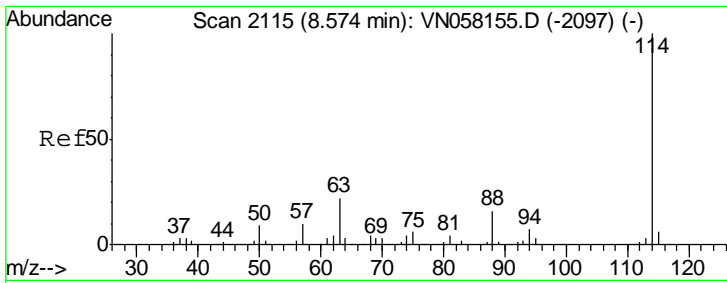
Tgt Ion	Resp	Lower	Upper
168	100		
99	60.9	47.4	71.2



#33
 1,2-Dichloroethane-d4
 Concen: 52.480 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058289.D
 Acq: 23 Sep 2019 14:02

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.4	0.0	103.4

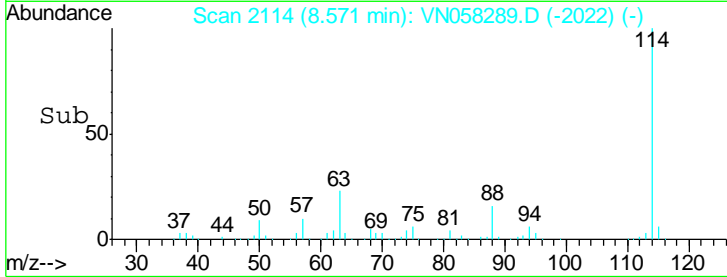
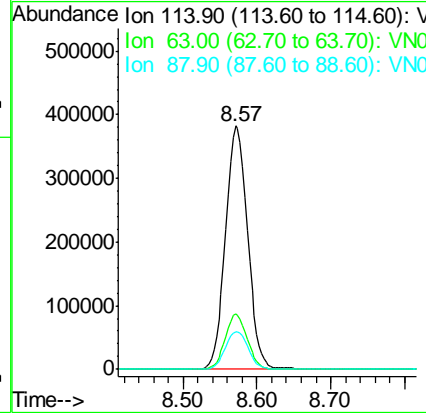
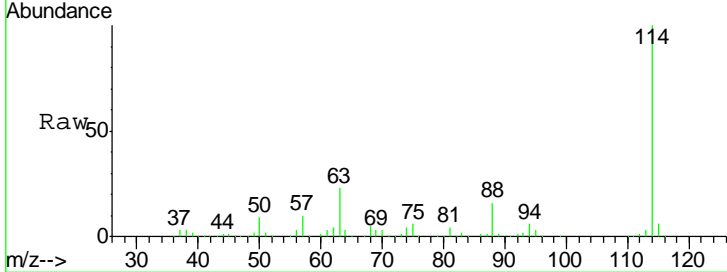




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058289.D
 Acq: 23 Sep 2019 14:02

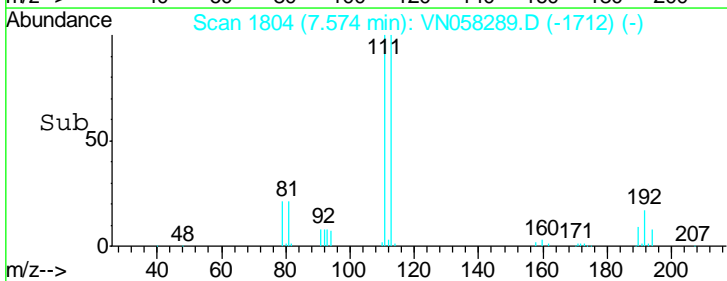
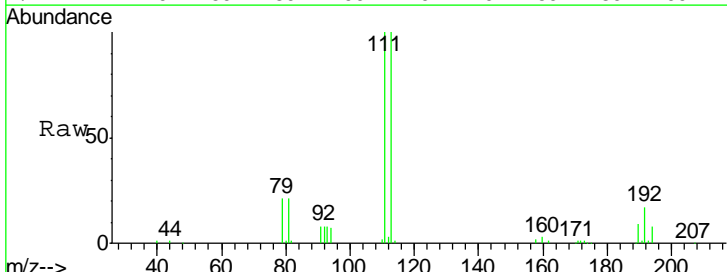
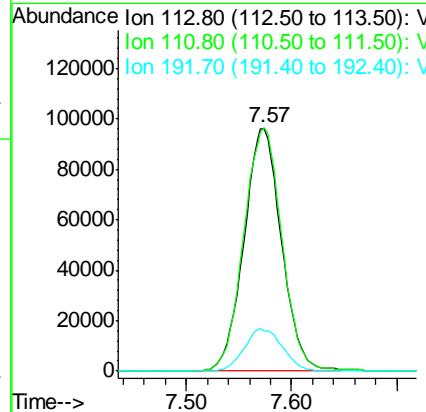
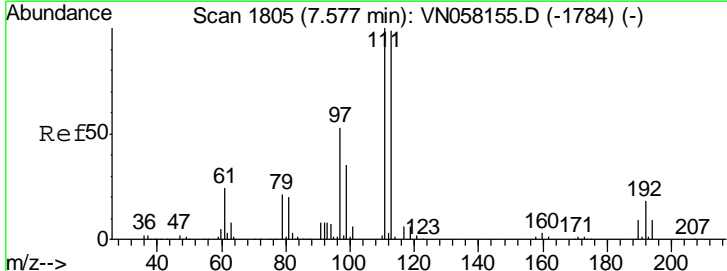
Instrument : MSVOA_N
 ClientSampleId : 982-S-3-(19)ME

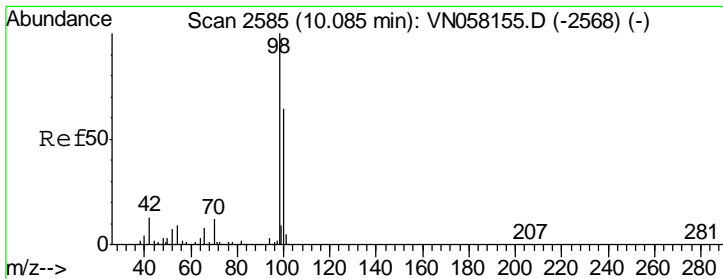
Tgt Ion	Resp	Lower	Upper
114	802717		
63	23.0	0.0	44.2
88	15.6	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 48.727 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058289.D
 Acq: 23 Sep 2019 14:02

Tgt Ion	Resp	Lower	Upper
113	237783		
111	101.9	81.8	122.6
192	17.8	14.5	21.7

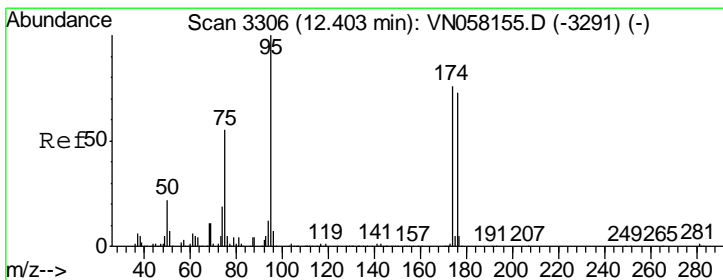
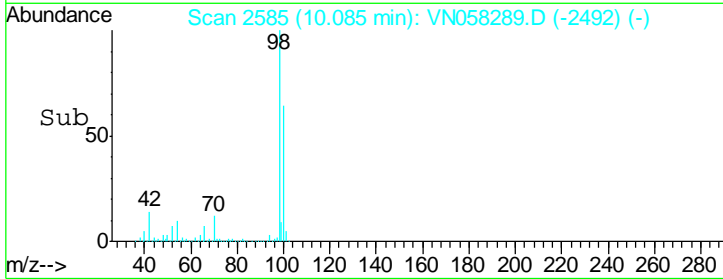
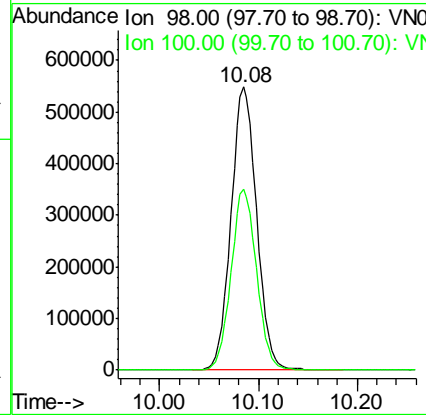
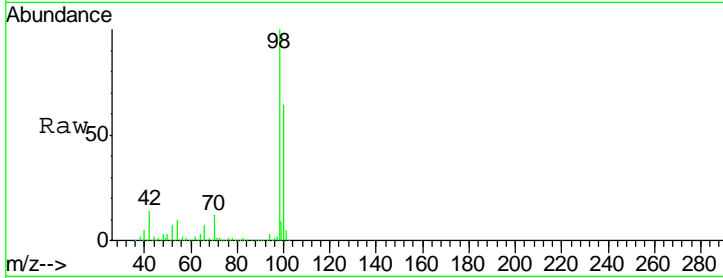




#50
 Toluene-d8
 Concen: 52.541 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058289.D
 Acq: 23 Sep 2019 14:02

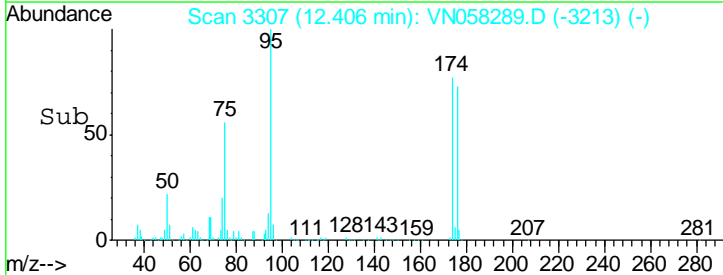
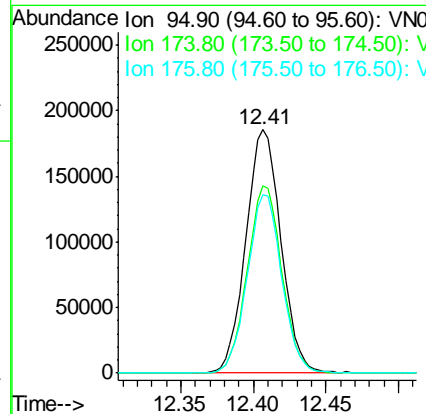
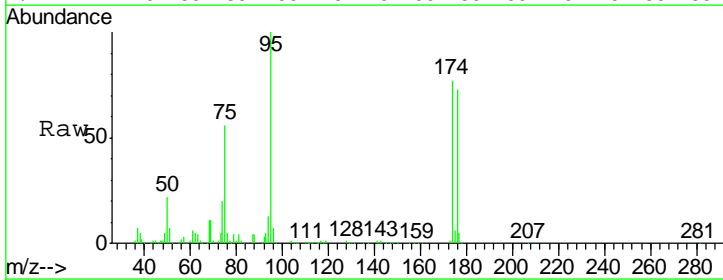
Instrument :
 MSVOA_N
 ClientSampled :
 982-S-3-(19)ME

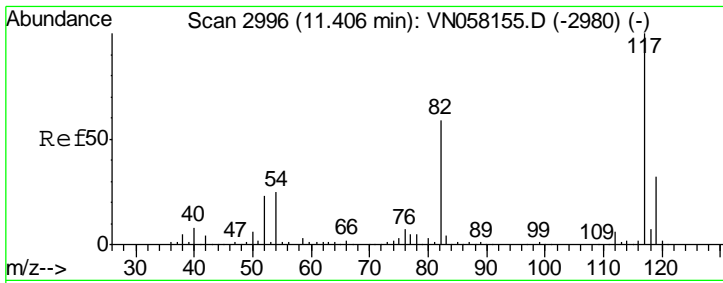
Tgt Ion	Resp	Lower	Upper
98	998966		
98	100		
100	63.6	51.1	76.7



#62
 4-Bromofluorobenzene
 Concen: 44.383 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058289.D
 Acq: 23 Sep 2019 14:02

Tgt Ion	Resp	Lower	Upper
95	313461		
95	100		
174	75.9	0.0	152.2
176	72.0	0.0	148.0

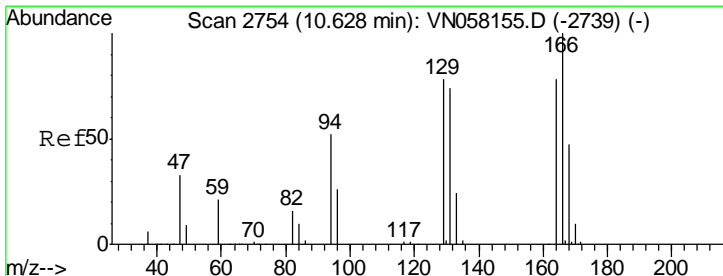
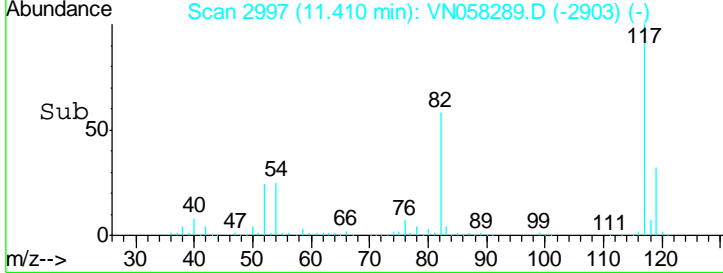
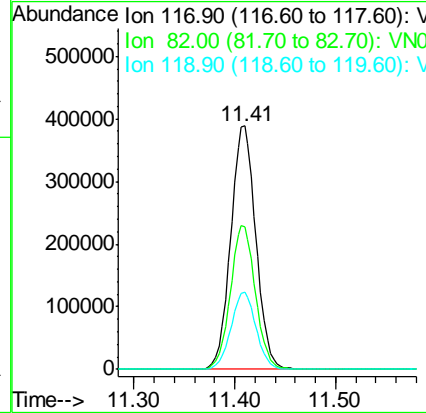
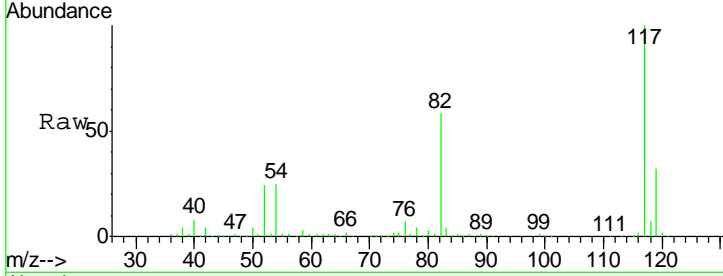




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN058289.D
 Acq: 23 Sep 2019 14:02

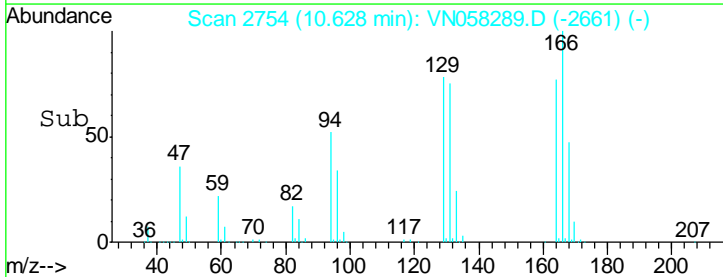
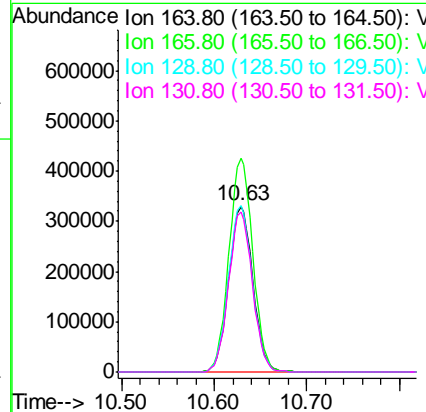
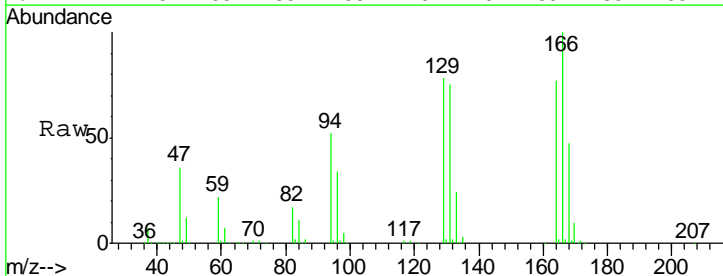
Instrument : MSVOA_N
 ClientSampleId : 982-S-3-(19)ME

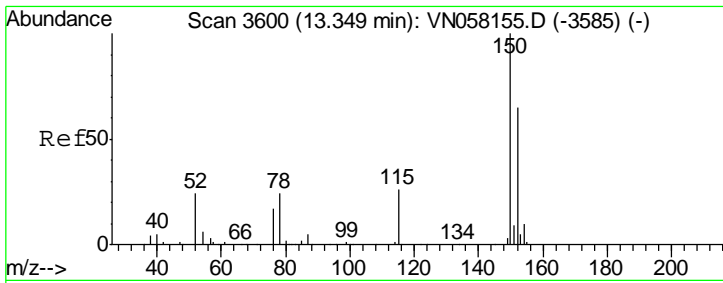
Tgt Ion	Resp	Lower	Upper
117	674709		
82	58.4	46.9	70.3
119	31.8	25.3	37.9



#64
 Tetrachloroethene
 Concen: 180.331 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VN058289.D
 Acq: 23 Sep 2019 14:02

Tgt Ion	Resp	Lower	Upper
164	593116		
166	129.1	102.2	153.4
129	100.7	79.6	119.4
131	96.7	76.0	114.0

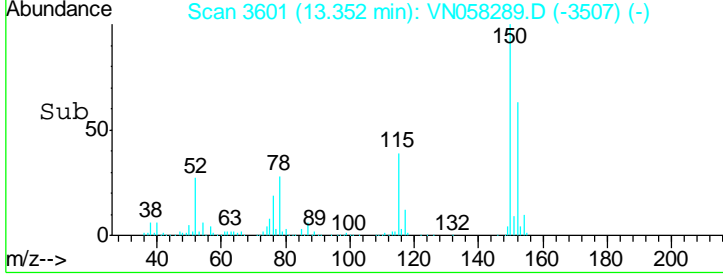
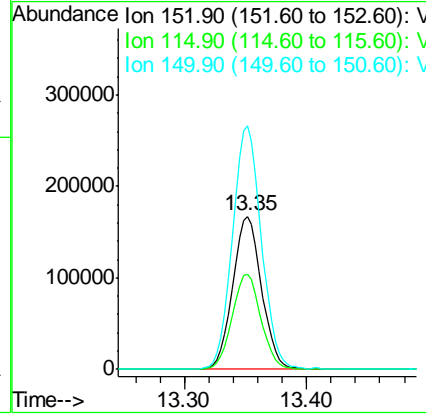
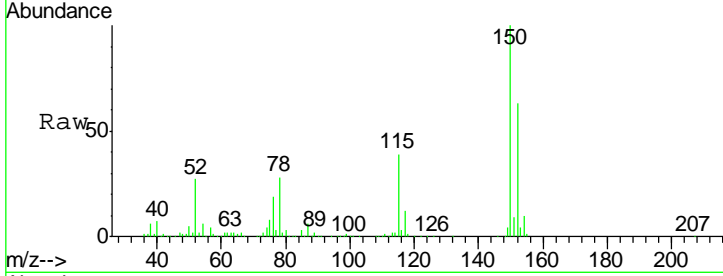




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058289.D
 Acq: 23 Sep 2019 14:02

Instrument : MSVOA_N
 ClientSampled : 982-S-3-(19)ME

Tot Ion	Resp	Lower	Upper
152	100		
115	62.1	30.1	90.3
150	158.8	0.0	346.4



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)MEDL	SDG No.:	K4939
Lab Sample ID:	K4939-01MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.52 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058293.D	5		09/23/19 15:29	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2100	UD	380	2100	ug/Kg
74-87-3	Chloromethane	2100	UD	750	2100	ug/Kg
75-01-4	Vinyl Chloride	2100	UD	460	2100	ug/Kg
74-83-9	Bromomethane	2100	UD	160	2100	ug/Kg
75-00-3	Chloroethane	2100	UD	240	2100	ug/Kg
75-69-4	Trichlorofluoromethane	2100	UD	270	2100	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2100	UD	340	2100	ug/Kg
75-35-4	1,1-Dichloroethene	2100	UD	410	2100	ug/Kg
67-64-1	Acetone	10500	UD	3200	10500	ug/Kg
75-15-0	Carbon Disulfide	2100	UD	450	2100	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2100	UD	580	2100	ug/Kg
79-20-9	Methyl Acetate	2100	UD	1200	2100	ug/Kg
75-09-2	Methylene Chloride	4200	UD	2200	4200	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2100	UD	530	2100	ug/Kg
75-34-3	1,1-Dichloroethane	2100	UD	380	2100	ug/Kg
110-82-7	Cyclohexane	2100	UD	750	2100	ug/Kg
78-93-3	2-Butanone	10500	UD	2800	10500	ug/Kg
56-23-5	Carbon Tetrachloride	2100	UD	340	2100	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2100	UD	410	2100	ug/Kg
74-97-5	Bromochloromethane	2100	UD	500	2100	ug/Kg
67-66-3	Chloroform	2100	UD	360	2100	ug/Kg
71-55-6	1,1,1-Trichloroethane	2100	UD	440	2100	ug/Kg
108-87-2	Methylcyclohexane	2100	UD	490	2100	ug/Kg
71-43-2	Benzene	2100	UD	350	2100	ug/Kg
107-06-2	1,2-Dichloroethane	2100	UD	500	2100	ug/Kg
79-01-6	Trichloroethene	2100	UD	390	2100	ug/Kg
78-87-5	1,2-Dichloropropane	2100	UD	520	2100	ug/Kg
75-27-4	Bromodichloromethane	2100	UD	420	2100	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10500	UD	2300	10500	ug/Kg
108-88-3	Toluene	2100	UD	410	2100	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2100	UD	420	2100	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2100	UD	450	2100	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)MEDL	SDG No.:	K4939
Lab Sample ID:	K4939-01MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.52 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058293.D	5		09/23/19 15:29	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2100	UD	600	2100	ug/Kg
591-78-6	2-Hexanone	10500	UD	3100	10500	ug/Kg
124-48-1	Dibromochloromethane	2100	UD	550	2100	ug/Kg
106-93-4	1,2-Dibromoethane	2100	UD	540	2100	ug/Kg
127-18-4	Tetrachloroethene	16200	D	290	2100	ug/Kg
108-90-7	Chlorobenzene	2100	UD	330	2100	ug/Kg
100-41-4	Ethyl Benzene	2100	UD	360	2100	ug/Kg
179601-23-1	m/p-Xylenes	4200	UD	690	4200	ug/Kg
95-47-6	o-Xylene	2100	UD	460	2100	ug/Kg
100-42-5	Styrene	2100	UD	410	2100	ug/Kg
75-25-2	Bromoform	2100	UD	1400	2100	ug/Kg
98-82-8	Isopropylbenzene	2100	UD	360	2100	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2100	UD	450	2100	ug/Kg
541-73-1	1,3-Dichlorobenzene	2100	UD	450	2100	ug/Kg
106-46-7	1,4-Dichlorobenzene	2100	UD	440	2100	ug/Kg
95-50-1	1,2-Dichlorobenzene	2100	UD	530	2100	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2100	UD	1400	2100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2100	UD	460	2100	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2100	UD	530	2100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		56 - 120	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	54.0		67 - 123	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	437000	7.65			
540-36-3	1,4-Difluorobenzene	707000	8.57			
3114-55-4	Chlorobenzene-d5	606000	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	245000	13.35			



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)MEDL	SDG No.:	K4939
Lab Sample ID:	K4939-01MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.52 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058293.D	5		09/23/19 15:29	VN092319

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058293.D
 Acq On : 23 Sep 2019 15:29
 Operator : JC/SP
 Sample : K4939-01MEDL 5X
 Misc : 6.52µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 982-S-3-(19)MEDL

Quant Time: Sep 25 11:17:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

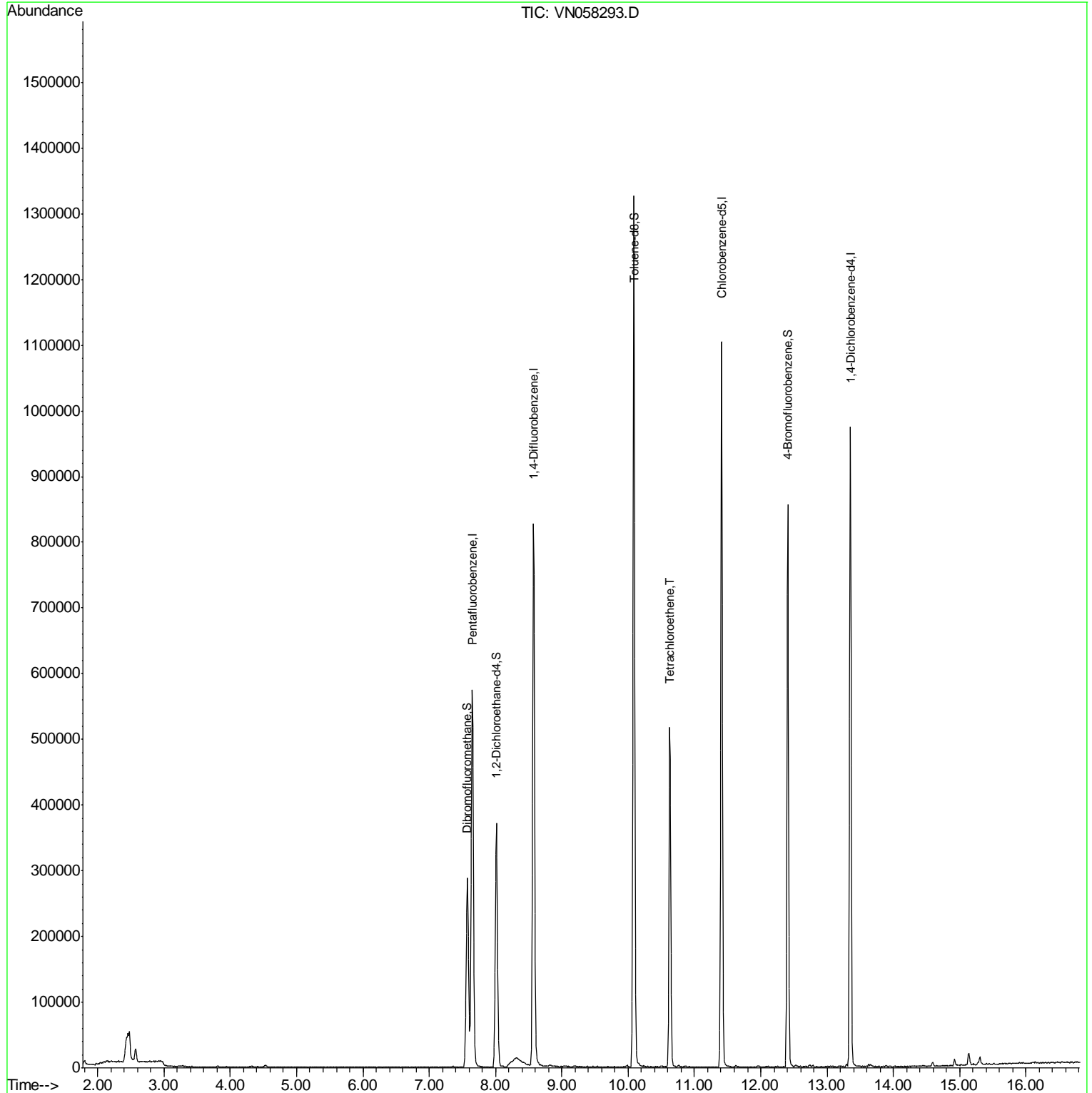
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	436826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	706898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	245205	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	319749	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
35) Dibromofluoromethane	7.57	113	217946	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.08	98	904937	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.41	95	287217	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
Target Compounds						
64) Tetrachloroethene	10.63	164	114324	38.694	ug/l	Qvalue 98

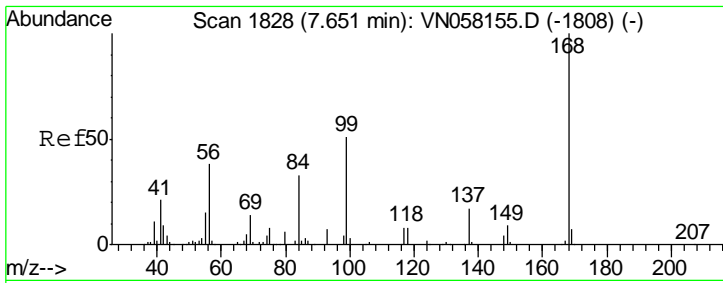
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
Data File : VN058293.D
Acq On : 23 Sep 2019 15:29
Operator : JC/SP
Sample : K4939-01MEDL 5X
Misc : 6.52µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
982-S-3-(19)MEDL

Quant Time: Sep 25 11:17:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

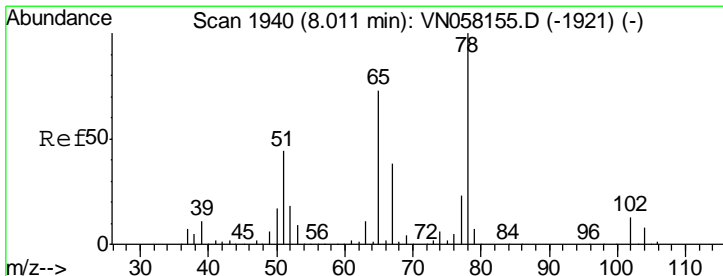
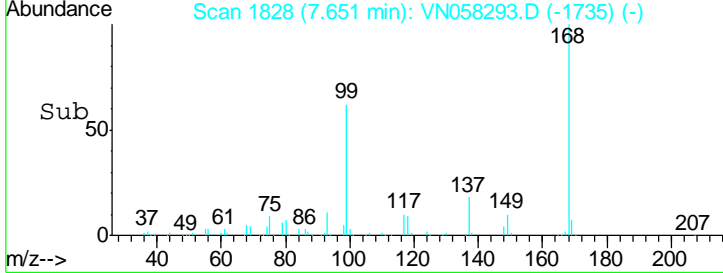
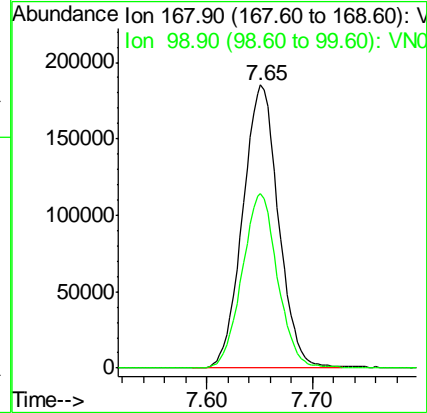
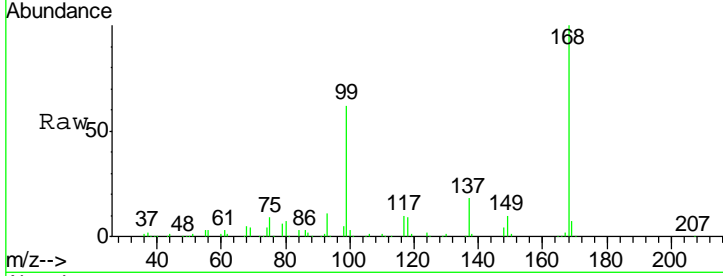




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: VN058293.D
 Acq: 23 Sep 2019 15:29

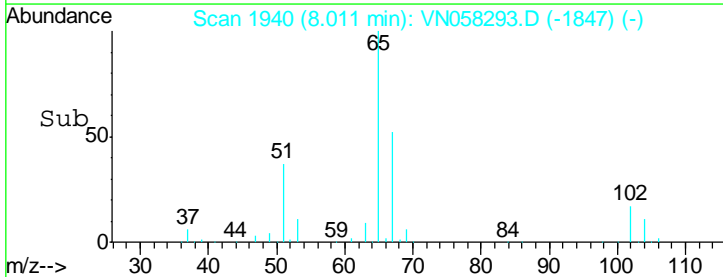
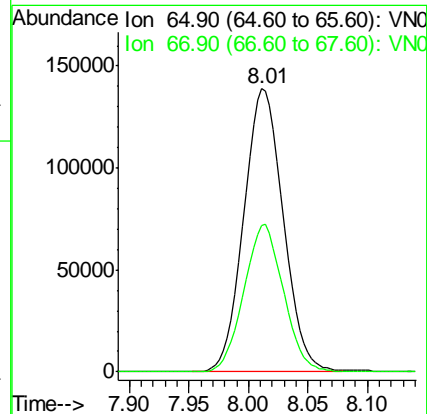
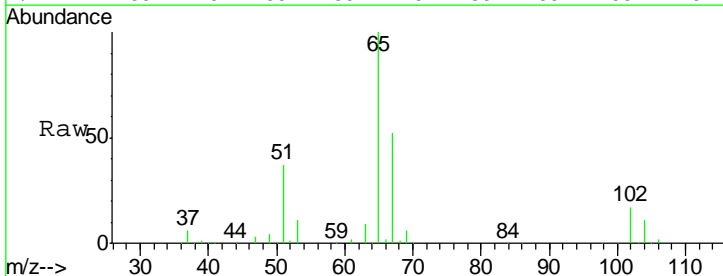
Instrument : MSVOA_N
 ClientSampled : 982-S-3-(19)MEDL

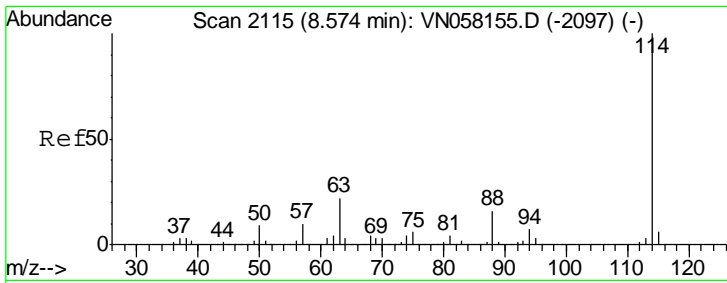
Tgt Ion	Resp	Lower	Upper
168	100		
99	61.7	47.4	71.2



#33
 1,2-Dichloroethane-d4
 Concen: 52.555 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058293.D
 Acq: 23 Sep 2019 15:29

Tgt Ion	Resp	Lower	Upper
65	100		
67	52.1	0.0	103.4

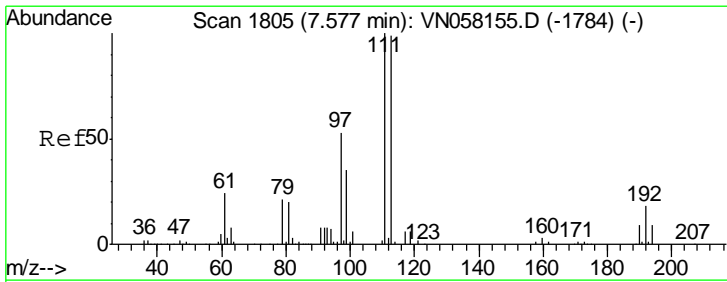
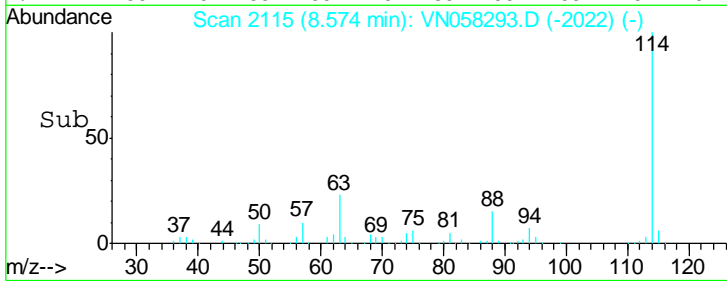
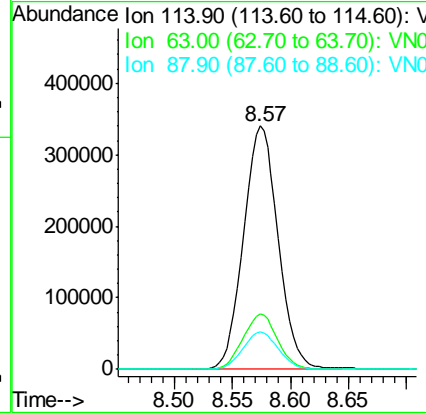
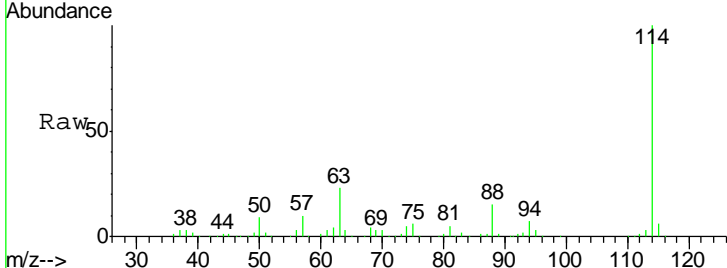




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058293.D
 Acq: 23 Sep 2019 15:29

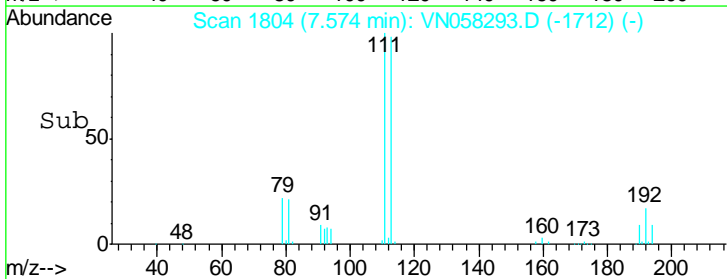
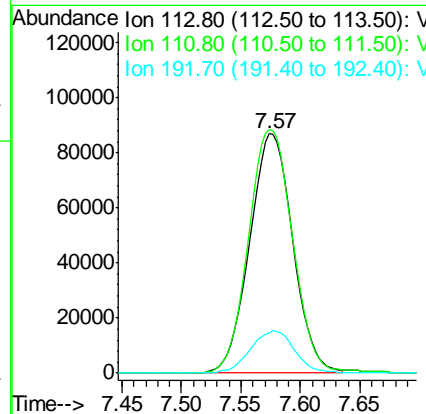
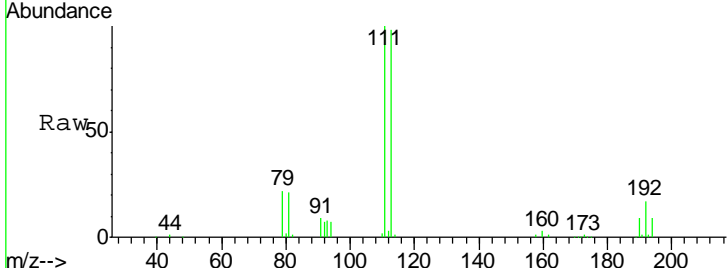
Instrument : MSVOA_N
 ClientSampled : 982-S-3-(19)MEDL

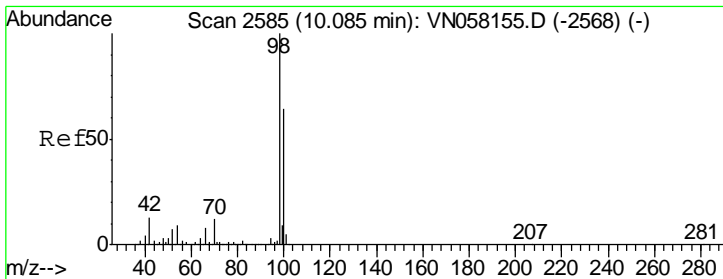
Tgt Ion	Resp	Lower	Upper
114	100		
63	22.6	0.0	44.2
88	15.4	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 50.716 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058293.D
 Acq: 23 Sep 2019 15:29

Tgt Ion	Resp	Lower	Upper
113	100		
111	104.2	81.8	122.6
192	18.1	14.5	21.7

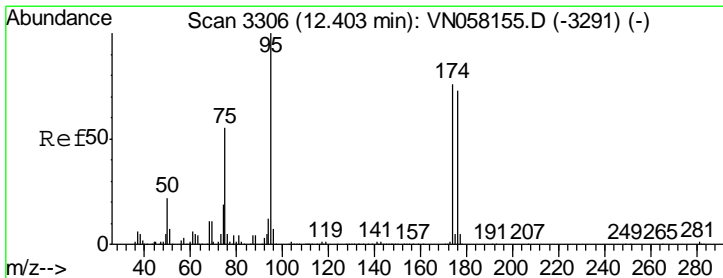
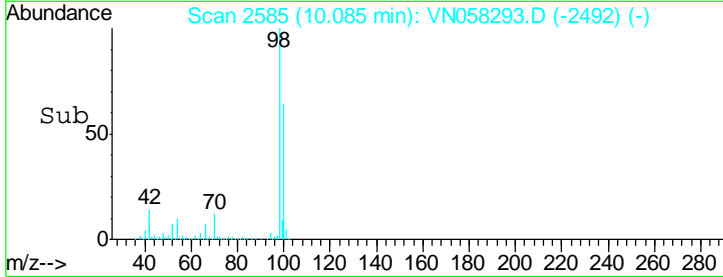
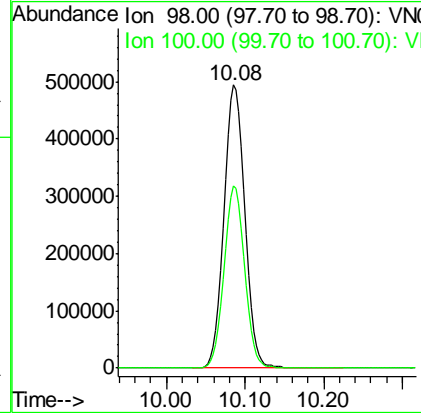
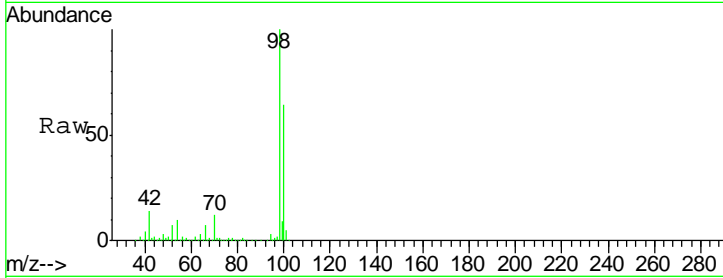




#50
 Toluene-d8
 Concen: 54.047 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058293.D
 Acq: 23 Sep 2019 15:29

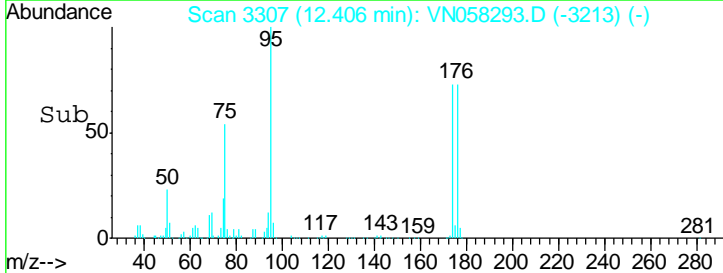
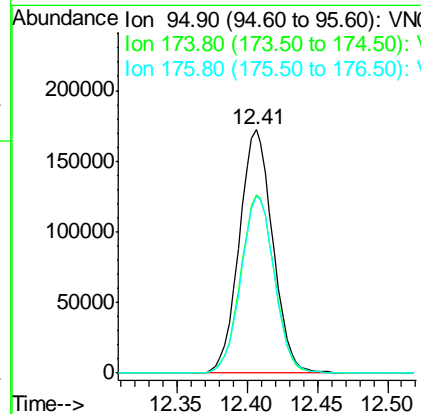
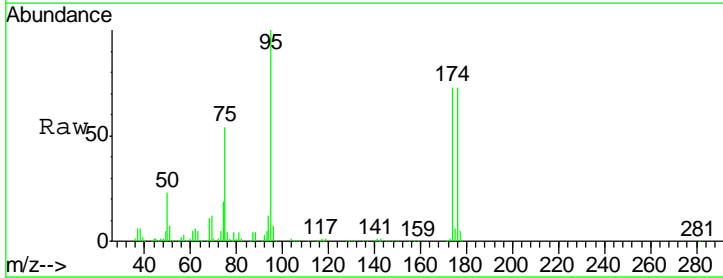
Instrument : MSVOA_N
 ClientSampled : 982-S-3-(19)MEDL

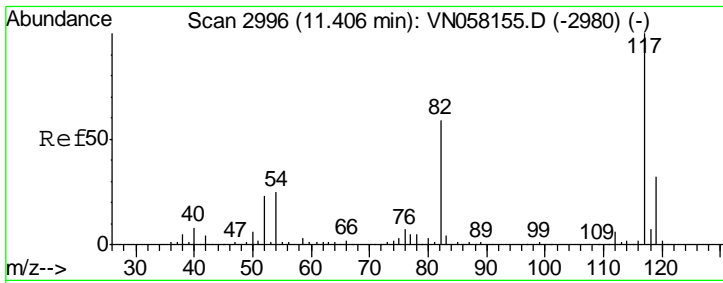
Tgt Ion	Resp	Lower	Upper
98	100		
100	63.4	51.1	76.7



#62
 4-Bromofluorobenzene
 Concen: 46.180 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058293.D
 Acq: 23 Sep 2019 15:29

Tgt Ion	Resp	Lower	Upper
95	100		
174	73.8	0.0	152.2
176	72.5	0.0	148.0

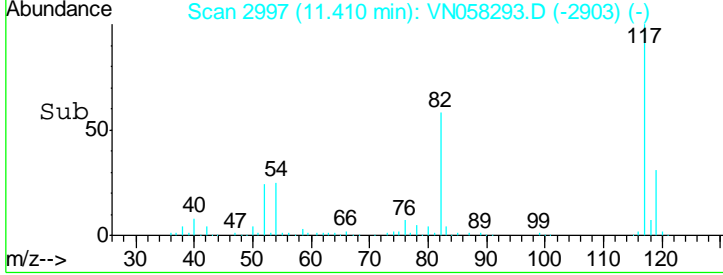
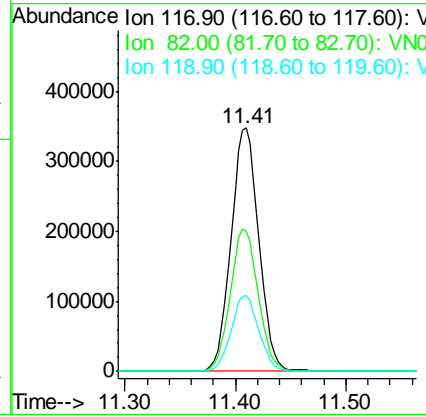
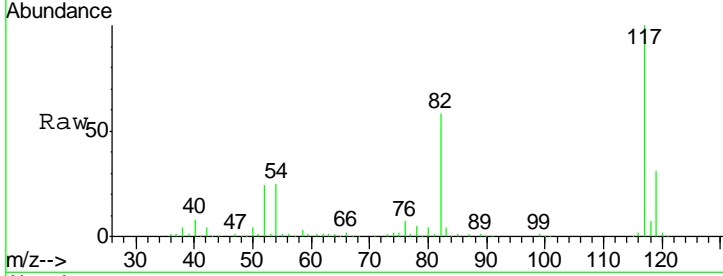




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN058293.D
 Acq: 23 Sep 2019 15:29

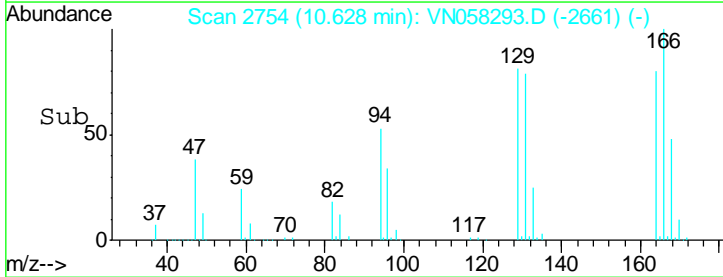
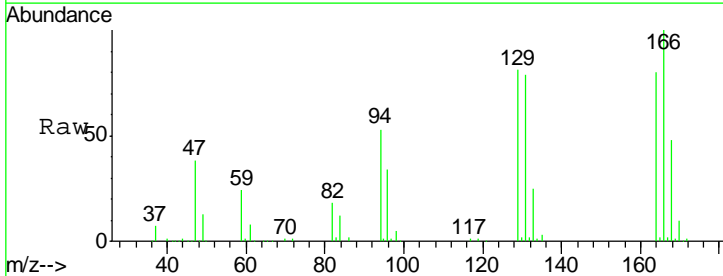
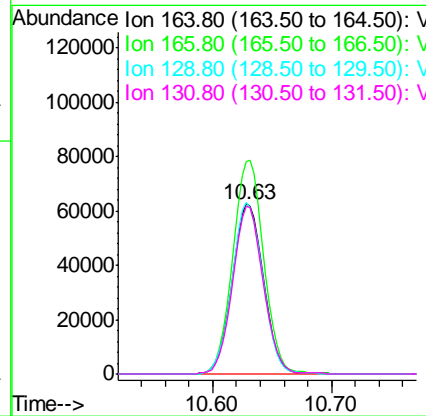
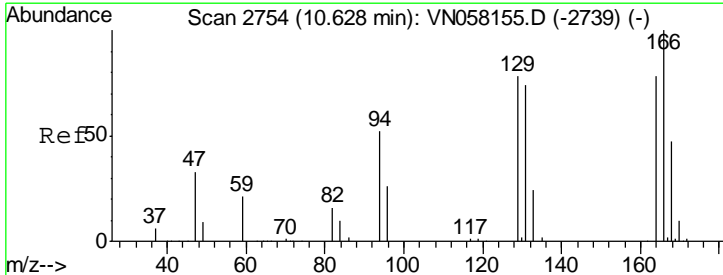
Instrument : MSVOA_N
 ClientSampleId : 982-S-3-(19)MEDL

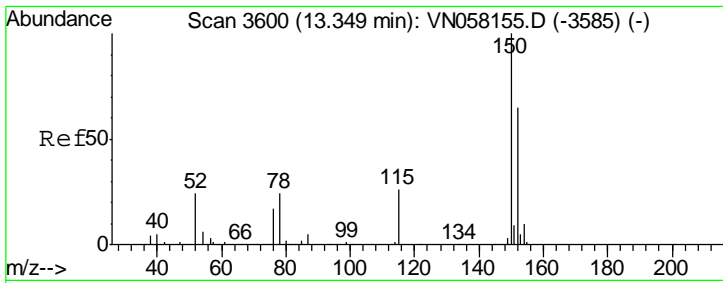
Tgt Ion	Resp	Lower	Upper
117	606090		
82	57.7	46.9	70.3
119	31.1	25.3	37.9



#64
 Tetrachloroethene
 Concen: 38.694 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: VN058293.D
 Acq: 23 Sep 2019 15:29

Tgt Ion	Resp	Lower	Upper
164	114324		
166	124.7	102.2	153.4
129	100.5	79.6	119.4
131	98.5	76.0	114.0

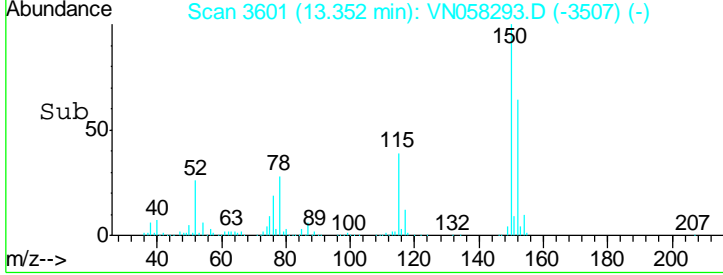
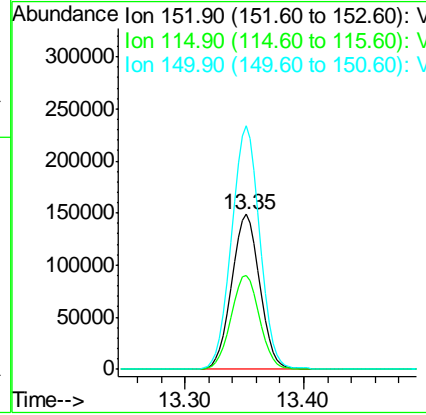
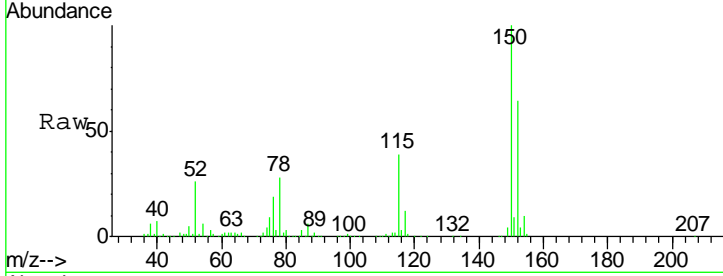




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058293.D
 Acq: 23 Sep 2019 15:29

Instrument : MSVOA_N
 ClientSampleId : 982-S-3-(19)MEDL

Tot Ion	Resp	Lower	Upper
152	100		
115	61.4	30.1	90.3
150	156.5	0.0	346.4



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- 18



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	983-B-2-(24)	SDG No.:	K4939
Lab Sample ID:	K4939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.3
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013210.D	1		09/21/19 03:56	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.30	U	0.96	5.30	ug/Kg
74-87-3	Chloromethane	5.30	U	1.90	5.30	ug/Kg
75-01-4	Vinyl Chloride	5.30	U	1.20	5.30	ug/Kg
74-83-9	Bromomethane	5.30	U	0.40	5.30	ug/Kg
75-00-3	Chloroethane	5.30	U	0.61	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	5.30	U	0.68	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.30	U	0.85	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	5.30	U	1.00	5.30	ug/Kg
67-64-1	Acetone	11.0	J	8.10	26.4	ug/Kg
75-15-0	Carbon Disulfide	5.30	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.30	U	1.50	5.30	ug/Kg
79-20-9	Methyl Acetate	5.30	U	3.00	5.30	ug/Kg
75-09-2	Methylene Chloride	10.6	U	5.50	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.30	U	1.30	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	5.30	U	0.96	5.30	ug/Kg
110-82-7	Cyclohexane	5.30	U	1.90	5.30	ug/Kg
78-93-3	2-Butanone	26.4	U	7.10	26.4	ug/Kg
56-23-5	Carbon Tetrachloride	5.30	U	0.87	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.30	U	1.00	5.30	ug/Kg
74-97-5	Bromochloromethane	5.30	U	1.30	5.30	ug/Kg
67-66-3	Chloroform	5.30	U	0.91	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.30	U	1.10	5.30	ug/Kg
108-87-2	Methylcyclohexane	5.30	U	1.20	5.30	ug/Kg
71-43-2	Benzene	5.30	U	0.89	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	5.30	U	1.30	5.30	ug/Kg
79-01-6	Trichloroethene	5.30	U	0.99	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	5.30	U	1.30	5.30	ug/Kg
75-27-4	Bromodichloromethane	5.30	U	1.00	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26.4	U	5.90	26.4	ug/Kg
108-88-3	Toluene	5.30	U	1.00	5.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.30	U	1.10	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.30	U	1.10	5.30	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	983-B-2-(24)	SDG No.:	K4939
Lab Sample ID:	K4939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.3
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013210.D	1		09/21/19 03:56	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.30	U	1.50	5.30	ug/Kg
591-78-6	2-Hexanone	26.4	U	7.80	26.4	ug/Kg
124-48-1	Dibromochloromethane	5.30	U	1.40	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	5.30	U	1.40	5.30	ug/Kg
127-18-4	Tetrachloroethene	26.1		0.73	5.30	ug/Kg
108-90-7	Chlorobenzene	5.30	U	0.83	5.30	ug/Kg
100-41-4	Ethyl Benzene	5.30	U	0.90	5.30	ug/Kg
179601-23-1	m/p-Xylenes	10.6	U	1.70	10.6	ug/Kg
95-47-6	o-Xylene	5.30	U	1.20	5.30	ug/Kg
100-42-5	Styrene	5.30	U	1.00	5.30	ug/Kg
75-25-2	Bromoform	5.30	U	3.50	5.30	ug/Kg
98-82-8	Isopropylbenzene	5.30	U	0.91	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.30	U	1.10	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.30	U	1.10	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.30	U	1.10	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.30	U	1.30	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	UQ	3.50	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.30	U	1.20	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.30	U	1.30	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	49.4		67 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		33 - 141	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	318000	7.95			
540-36-3	1,4-Difluorobenzene	479000	8.84			
3114-55-4	Chlorobenzene-d5	392000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.56			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013210.D
 Acq On : 21 Sep 2019 03:56
 Operator : SY/VA
 Sample : K4939-04
 Misc : 5.79G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 983-B-2-(24)

Quant Time: Sep 21 06:22:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

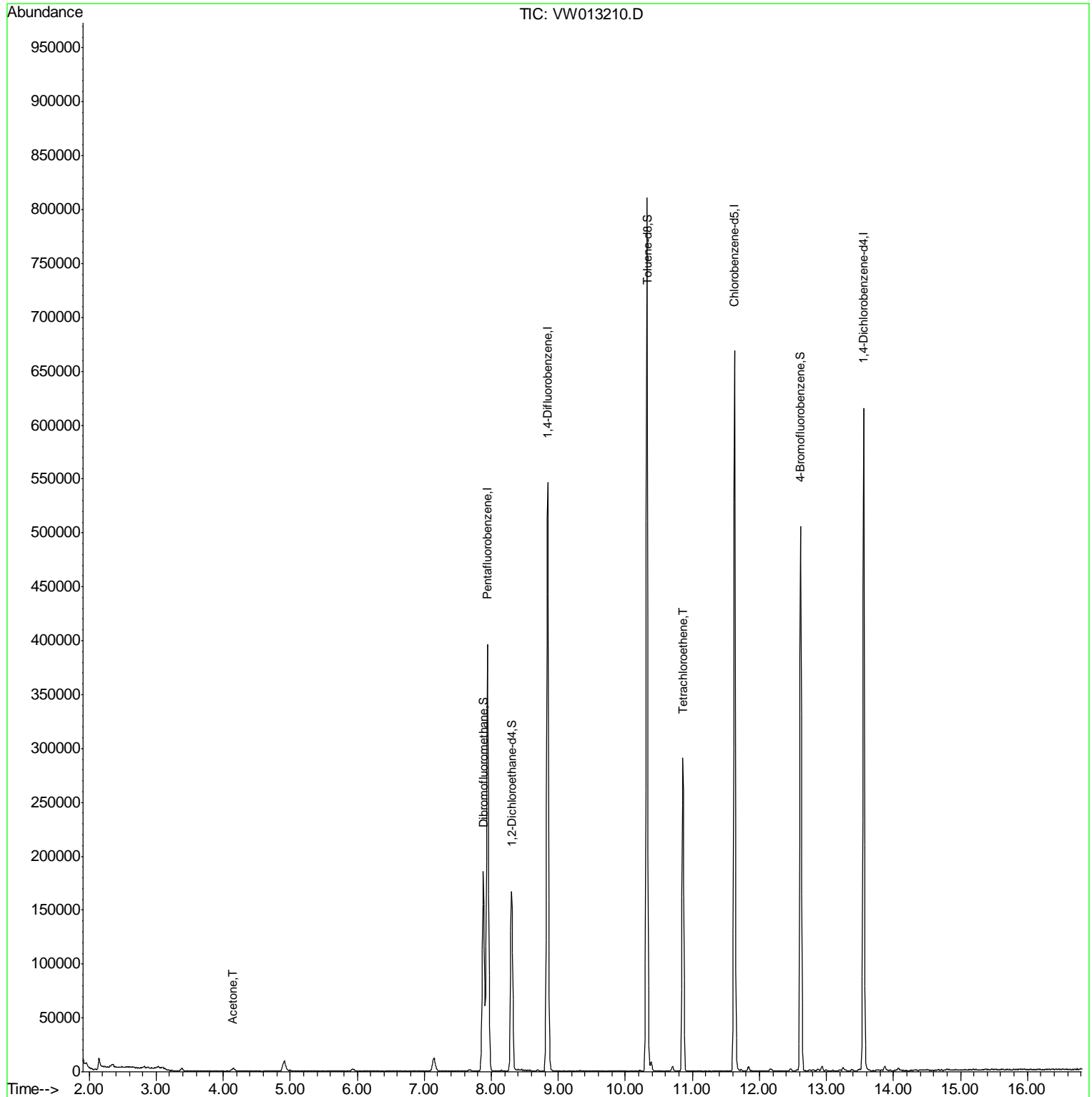
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	318119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171994	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134628	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.88	113	132514	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.32	98	545097	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.62	95	170848	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
Target Compounds						
16) Acetone	4.15	43	6093	10.407	ug/l #	61
64) Tetrachloroethene	10.86	164	73379	24.674	ug/l	97

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

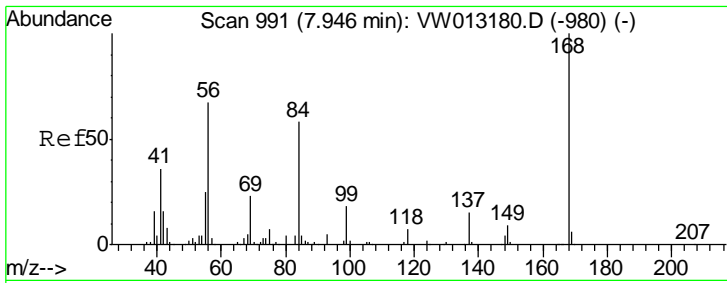
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013210.D
 Acq On : 21 Sep 2019 03:56
 Operator : SY/VA
 Sample : K4939-04
 Misc : 5.79G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampled :
 983-B-2-(24)

Quant Time: Sep 21 06:22:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



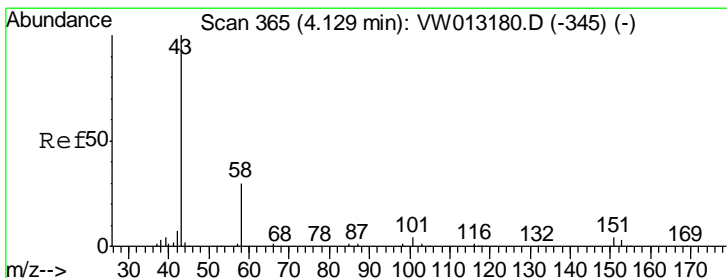
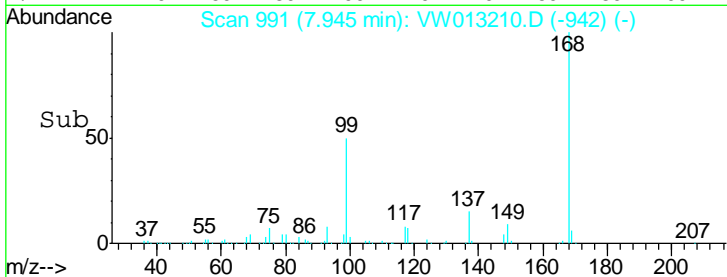
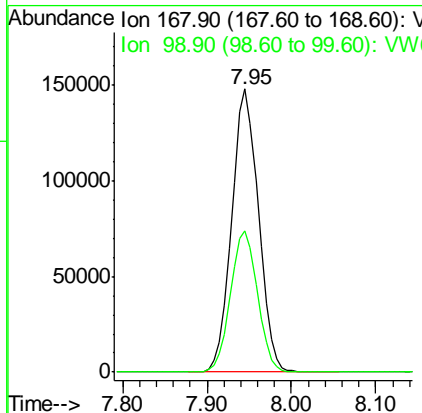
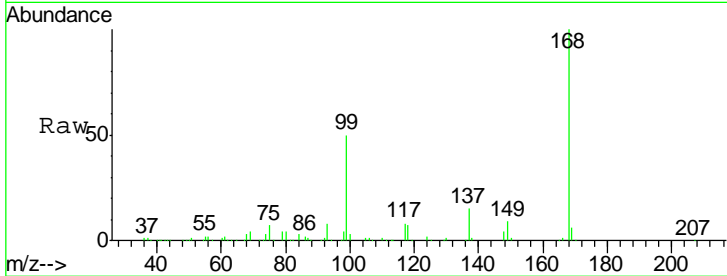
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

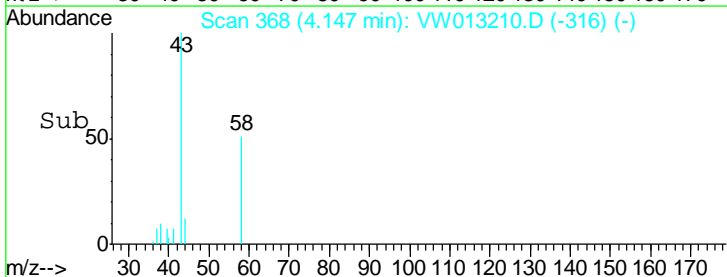
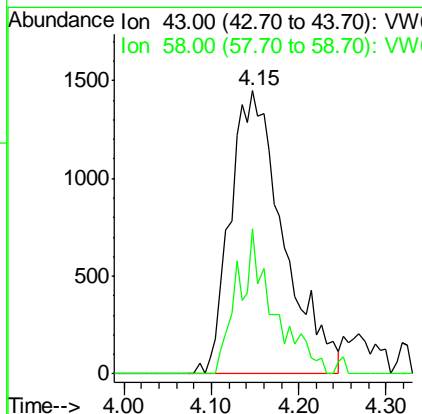
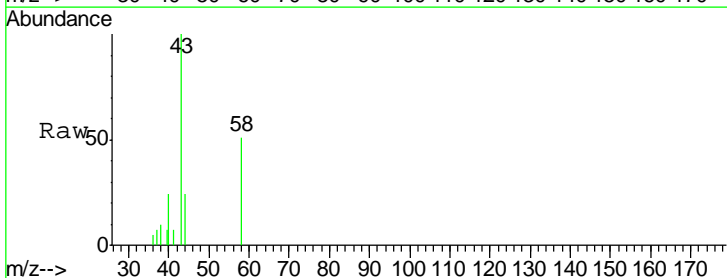
Instrument :
 MSVOA_W
 ClientSampled :
 983-B-2-(24)

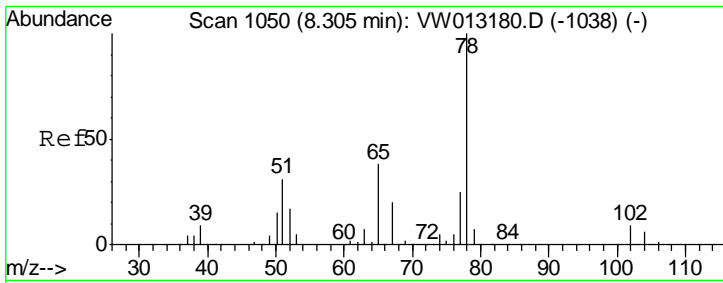
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.0	40.2	60.4



#16
 Acetone
 Concen: 10.407 ug/l
 RT: 4.15 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

Tgt Ion	Resp	Lower	Upper
43	100		
58	51.2	24.1	36.1#

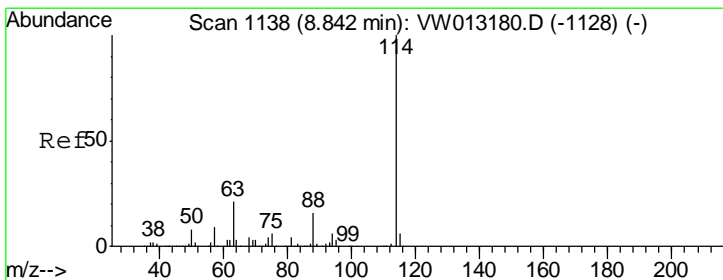
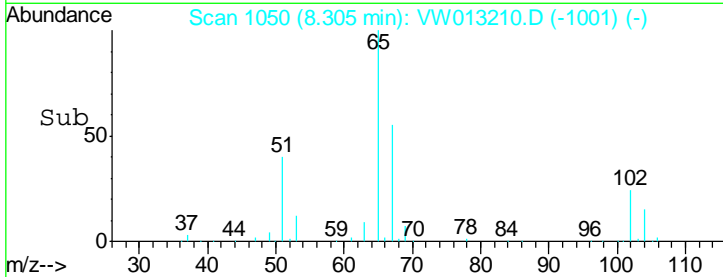
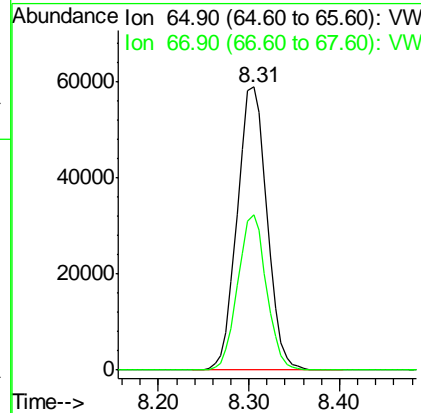
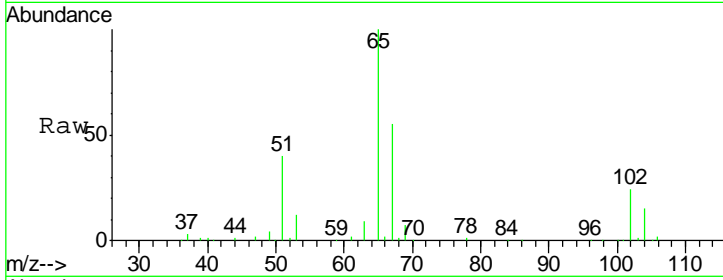




#33
 1,2-Dichloroethane-d4
 Concen: 51.853 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

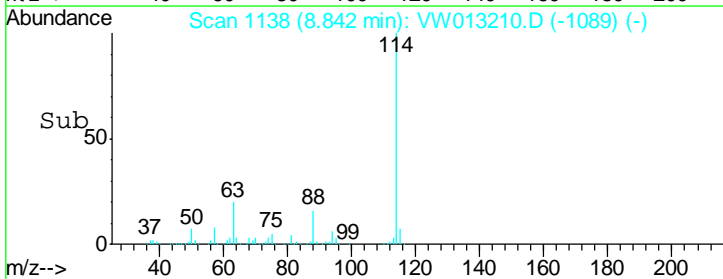
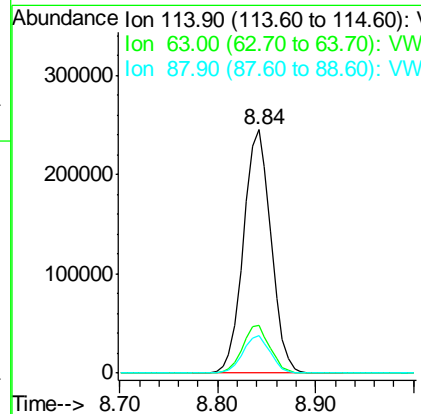
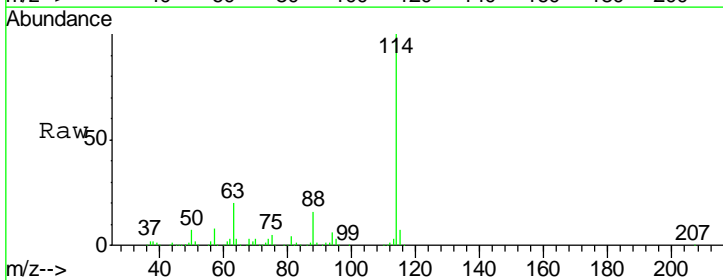
Instrument : MSVOA_W
 ClientSampled : 983-B-2-(24)

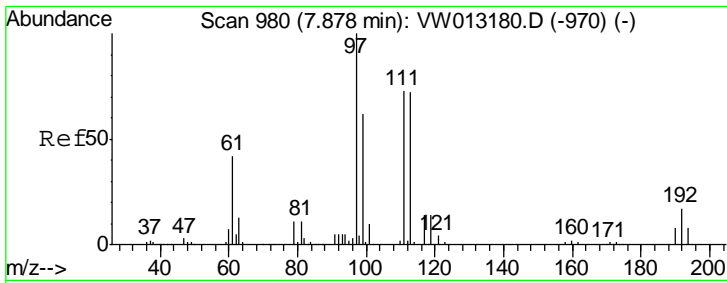
Tgt Ion	Resp	Lower	Upper
65	134628		
65	100		
67	53.0	0.0	106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

Tgt Ion	Resp	Lower	Upper
114	479373		
114	100		
63	19.7	0.0	41.4
88	15.6	0.0	32.0

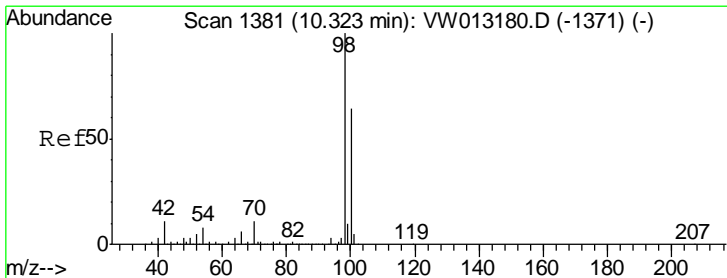
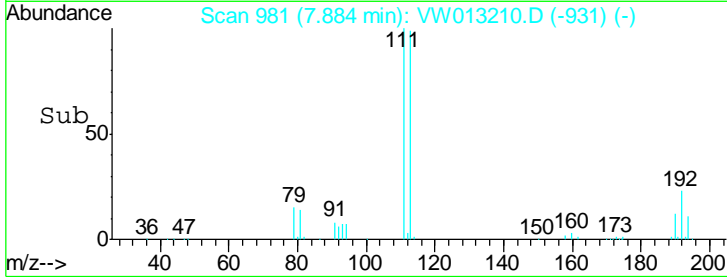
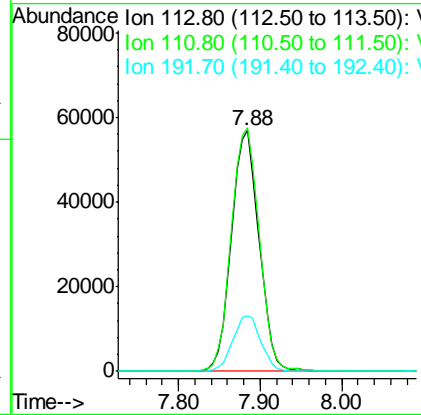
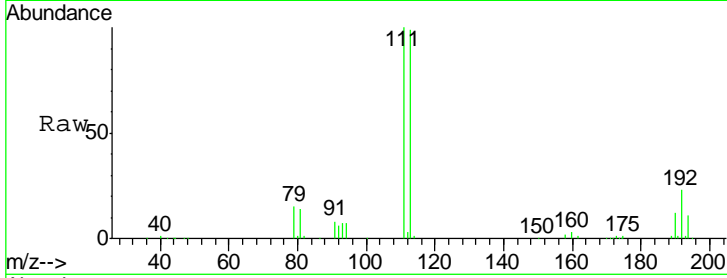




#35
 Dibromofluoromethane
 Concen: 50.260 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

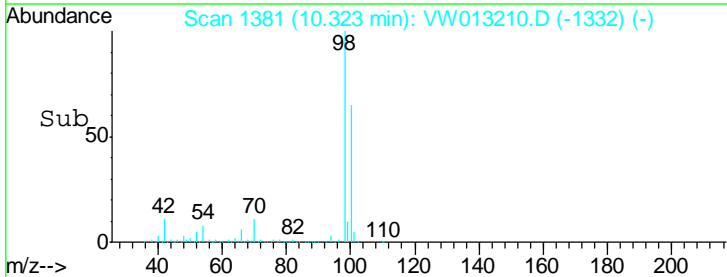
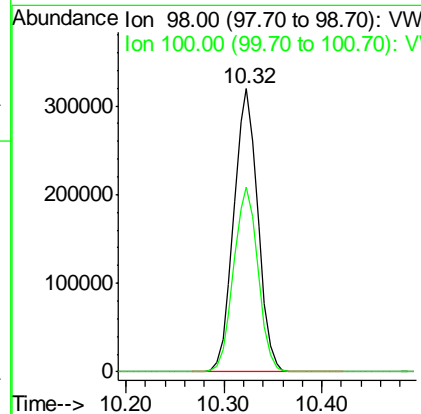
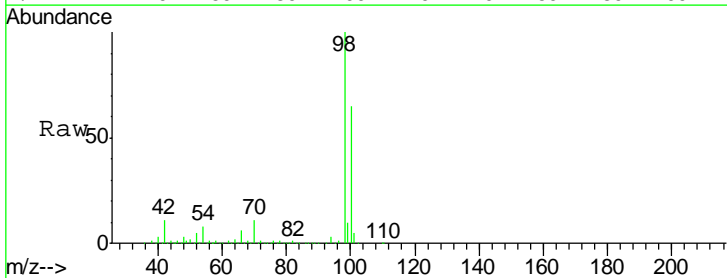
Instrument :
 MSVOA_W
ClientSampled :
 983-B-2-(24)

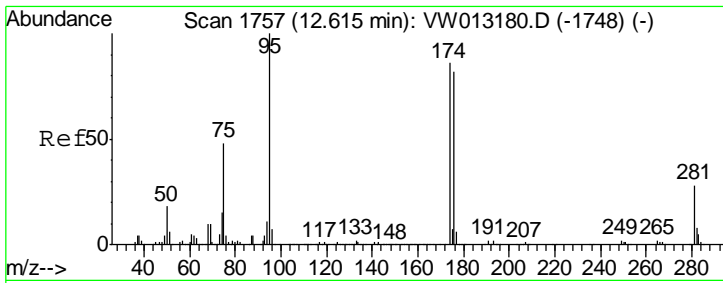
Tgt Ion	Resp	Lower	Upper
113	132514		
111	102.6	81.9	122.9
192	23.3	19.1	28.7



#50
 Toluene-d8
 Concen: 49.400 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

Tgt Ion	Resp	Lower	Upper
98	545097		
100	65.9	52.9	79.3

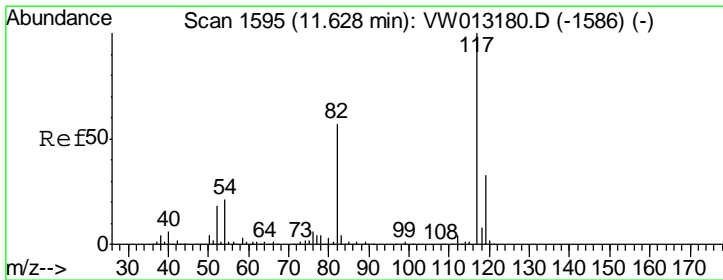
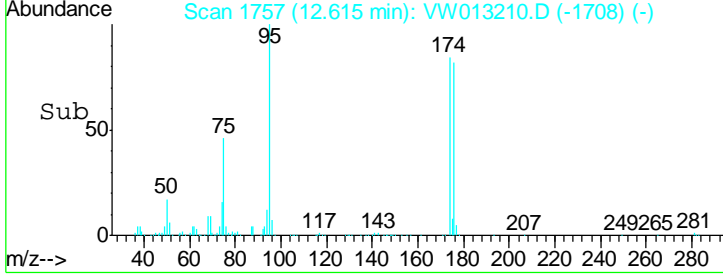
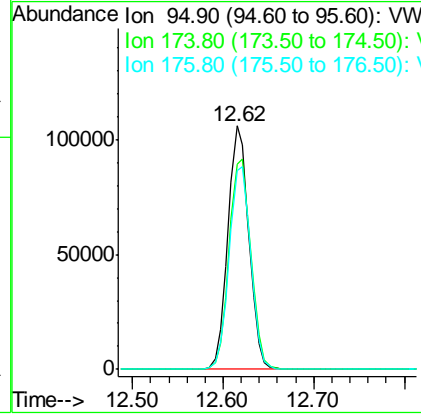
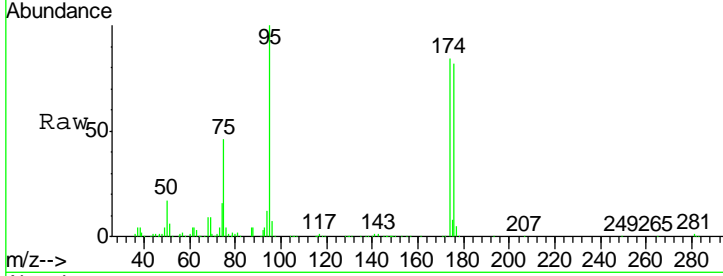




#62
 4-Bromofluorobenzene
 Concen: 45.327 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

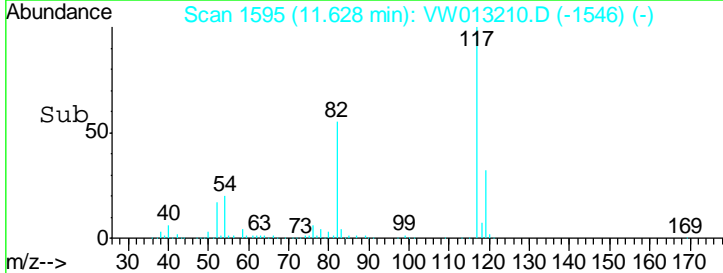
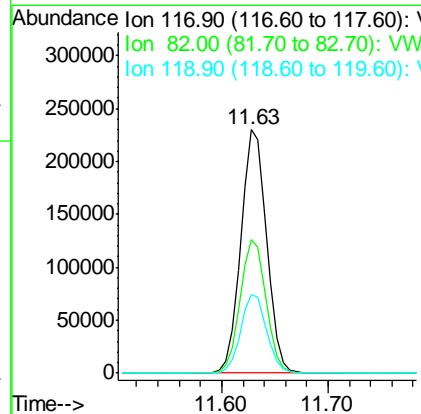
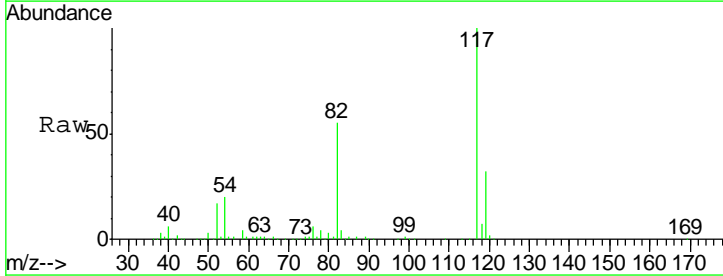
Instrument :
 MSVOA_W
 ClientSampled :
 983-B-2-(24)

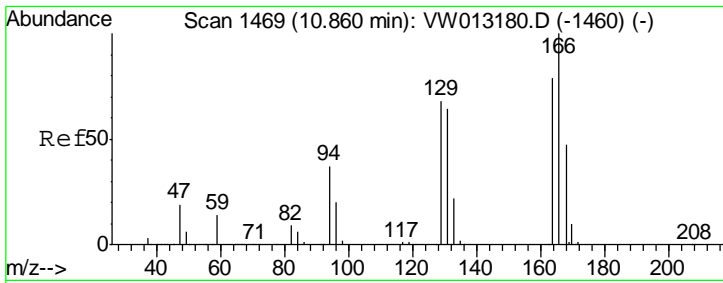
Tgt Ion	Resp	Lower	Upper
95	170848		
95	100		
174	89.6	0.0	178.4
176	85.7	0.0	172.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

Tgt Ion	Resp	Lower	Upper
117	391963		
117	100		
82	55.0	45.9	68.9
119	32.3	26.2	39.2

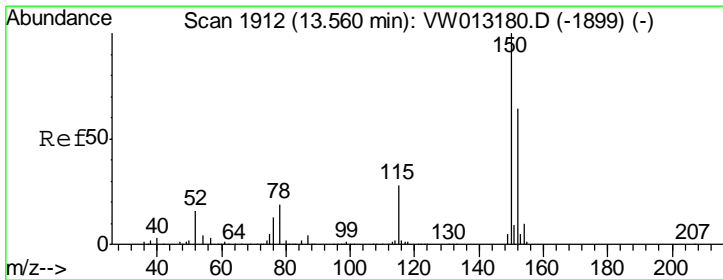
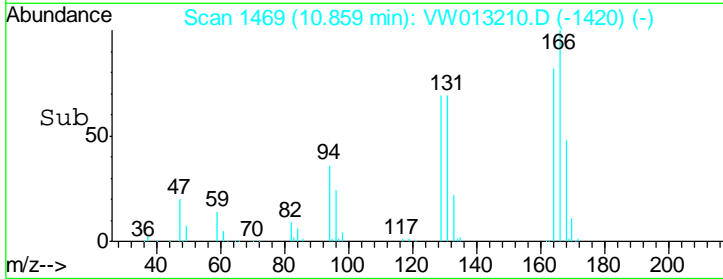
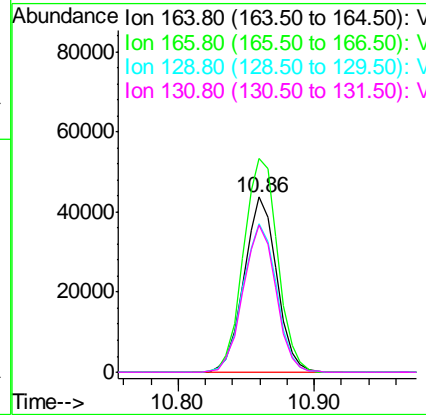
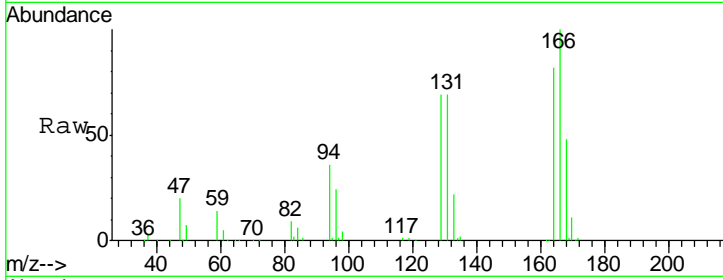




#64
 Tetrachloroethene
 Concen: 24.674 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

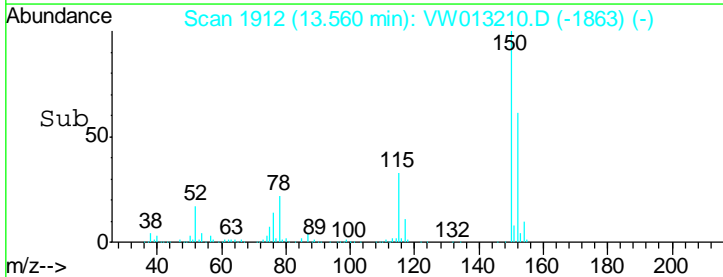
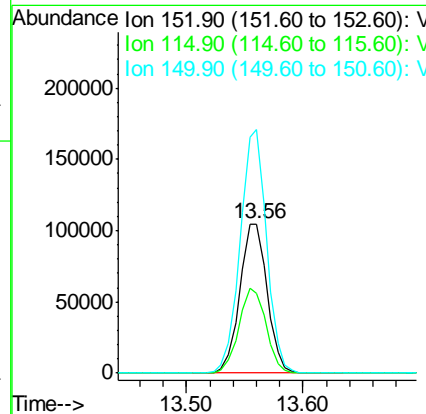
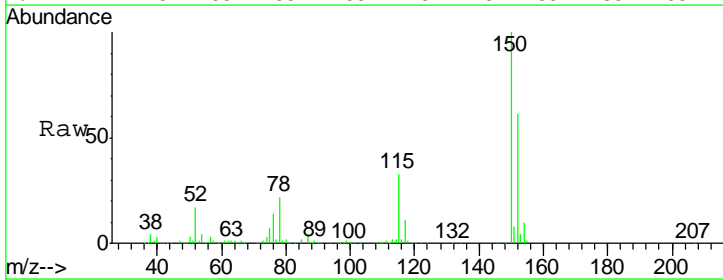
Instrument : MSVOA_W
 ClientSampleId : 983-B-2-(24)

Tgt Ion	Resp	Lower	Upper
164	100		
166	122.2	101.2	151.8
129	84.6	68.8	103.2
131	84.2	65.2	97.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.4	27.3	81.9
150	157.1	0.0	349.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013210.D
 Acq On : 21 Sep 2019 03:56
 Operator : SY/VA
 Sample : K4939-04
 Misc : 5.79G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 983-B-2-(24)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.148	36	40	46	rBV2	10391	19439	1.37%	0.251%
2	4.909	484	493	504	rBV4	9496	30507	2.16%	0.395%
3	7.141	848	859	871	rBV2	12550	39962	2.82%	0.517%
4	7.884	971	981	985	rBV	184965	429404	30.34%	5.554%
5	7.945	985	991	1002	rVB	395995	862903	60.98%	11.160%
6	8.305	1039	1050	1060	rBV2	167027	378917	26.78%	4.901%
7	8.842	1129	1138	1152	rBV	546545	1064028	75.19%	13.761%
8	10.323	1373	1381	1388	rBV	810645	1415102	100.00%	18.302%
9	10.390	1388	1392	1399	rVB2	8908	16374	1.16%	0.212%
10	10.859	1460	1469	1477	rBV	290757	505836	35.75%	6.542%
11	11.628	1587	1595	1609	rBV	668410	1142212	80.72%	14.773%
12	12.615	1750	1757	1765	rBV	504297	824575	58.27%	10.664%
13	13.554	1904	1911	1924	rBV	614339	1002728	70.86%	12.969%

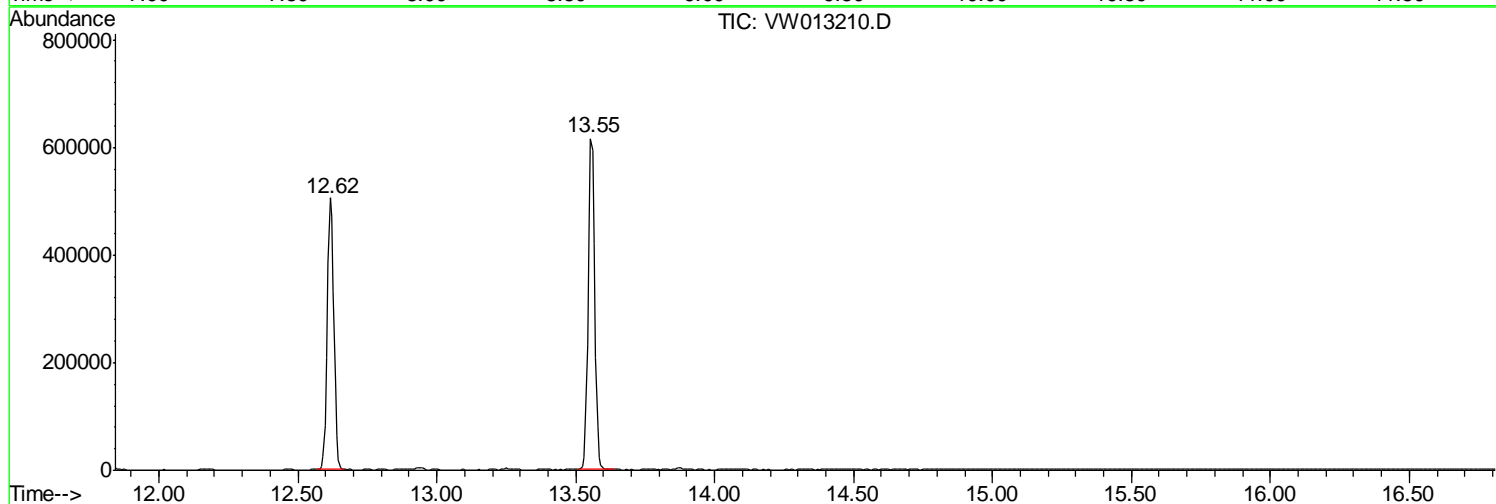
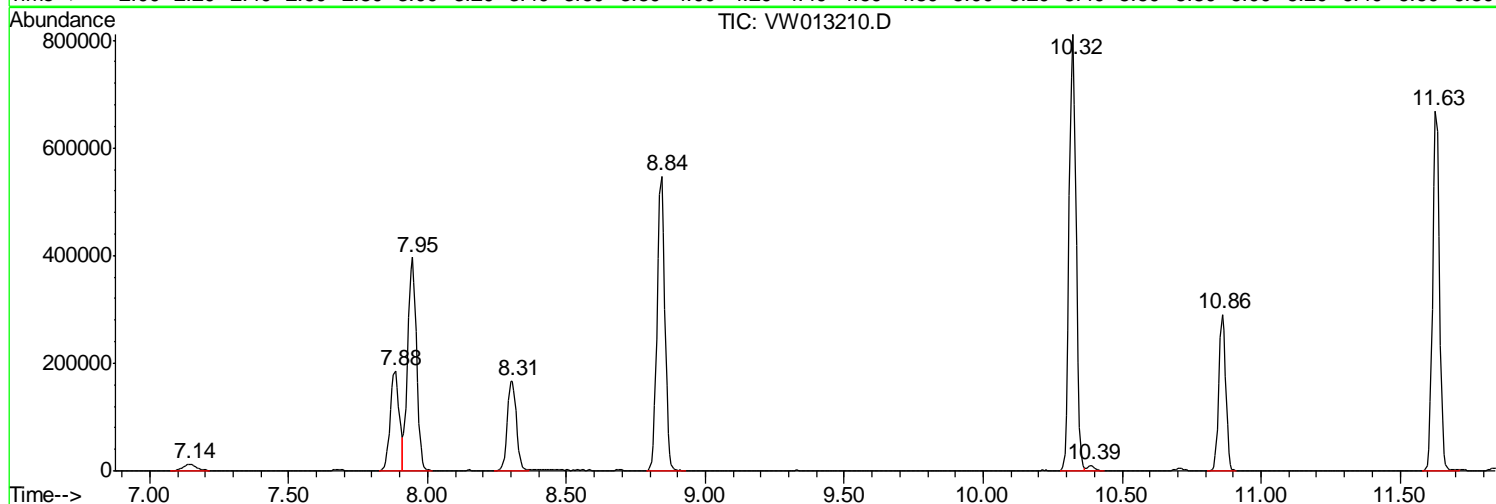
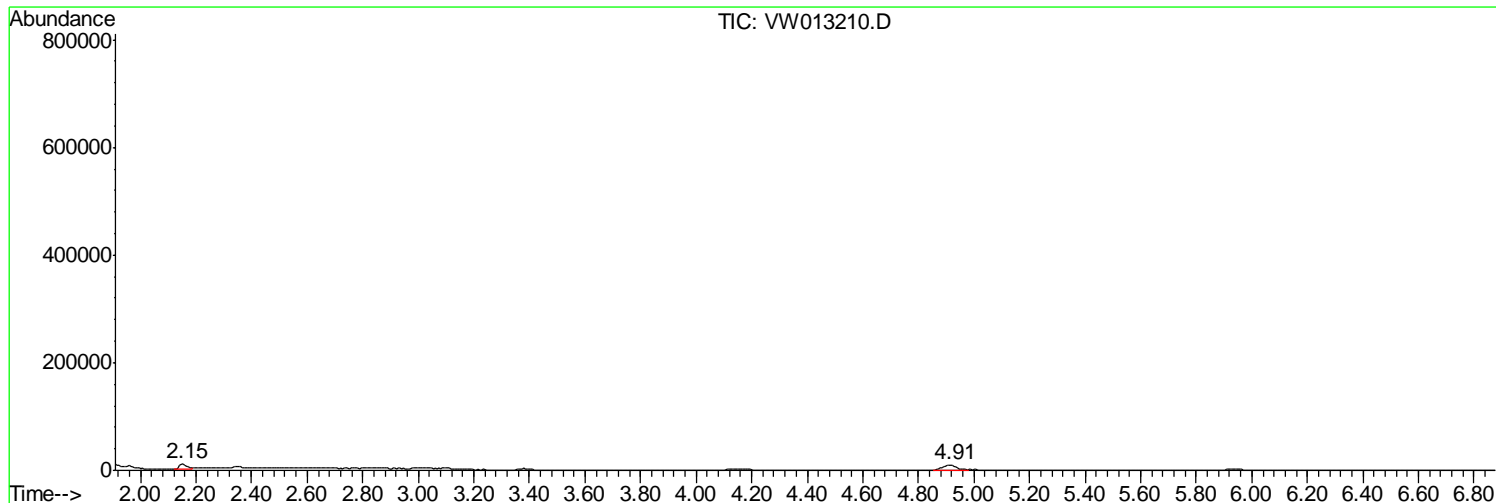
Sum of corrected areas: 7731987

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013210.D
Acq On : 21 Sep 2019 03:56
Operator : SY/VA
Sample : K4939-04
Misc : 5.79G/5ML/MSVOA W/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
983-B-2-(24)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
Data File : VW013210.D
Acq On : 21 Sep 2019 03:56
Operator : SY/VA
Sample : K4939-04
Misc : 5.79G/5ML/MSVOA_W/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
983-B-2-(24)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
 Data File : VW013210.D
 Acq On : 21 Sep 2019 03:56
 Operator : SY/VA
 Sample : K4939-04
 Misc : 5.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 983-B-2-(24)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	984-S-4-(19)	SDG No.:	K4939
Lab Sample ID:	K4939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.6
Sample Wt/Vol:	6.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013211.D	1		09/21/19 04:22	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.50	U	0.82	4.50	ug/Kg
74-87-3	Chloromethane	4.50	U	1.60	4.50	ug/Kg
75-01-4	Vinyl Chloride	4.50	U	1.00	4.50	ug/Kg
74-83-9	Bromomethane	4.50	U	0.34	4.50	ug/Kg
75-00-3	Chloroethane	4.50	U	0.52	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	4.50	U	0.59	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.50	U	0.73	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	4.50	U	0.90	4.50	ug/Kg
67-64-1	Acetone	22.7	U	7.00	22.7	ug/Kg
75-15-0	Carbon Disulfide	4.50	U	0.97	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.50	U	1.30	4.50	ug/Kg
79-20-9	Methyl Acetate	4.50	U	2.60	4.50	ug/Kg
75-09-2	Methylene Chloride	9.10	U	4.70	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.50	U	1.10	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	4.50	U	0.83	4.50	ug/Kg
110-82-7	Cyclohexane	4.50	U	1.60	4.50	ug/Kg
78-93-3	2-Butanone	22.7	U	6.10	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	4.50	U	0.75	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	J	0.89	4.50	ug/Kg
74-97-5	Bromochloromethane	4.50	U	1.10	4.50	ug/Kg
67-66-3	Chloroform	4.50	U	0.78	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.50	U	0.96	4.50	ug/Kg
108-87-2	Methylcyclohexane	4.50	U	1.10	4.50	ug/Kg
71-43-2	Benzene	4.50	U	0.76	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	4.50	U	1.10	4.50	ug/Kg
79-01-6	Trichloroethene	6.80		0.85	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	4.50	U	1.10	4.50	ug/Kg
75-27-4	Bromodichloromethane	4.50	U	0.90	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	22.7	U	5.10	22.7	ug/Kg
108-88-3	Toluene	4.50	U	0.88	4.50	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.50	U	0.91	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.50	U	0.97	4.50	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	984-S-4-(19)	SDG No.:	K4939
Lab Sample ID:	K4939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.6
Sample Wt/Vol:	6.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013211.D	1		09/21/19 04:22	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4.50	U	1.30	4.50	ug/Kg
591-78-6	2-Hexanone	22.7	U	6.70	22.7	ug/Kg
124-48-1	Dibromochloromethane	4.50	U	1.20	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	4.50	U	1.20	4.50	ug/Kg
127-18-4	Tetrachloroethene	4300	E	0.63	4.50	ug/Kg
108-90-7	Chlorobenzene	4.50	U	0.71	4.50	ug/Kg
100-41-4	Ethyl Benzene	4.50	U	0.77	4.50	ug/Kg
179601-23-1	m/p-Xylenes	9.10	U	1.50	9.10	ug/Kg
95-47-6	o-Xylene	4.50	U	1.00	4.50	ug/Kg
100-42-5	Styrene	4.50	U	0.90	4.50	ug/Kg
75-25-2	Bromoform	4.50	U	3.00	4.50	ug/Kg
98-82-8	Isopropylbenzene	4.50	U	0.79	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.50	U	0.99	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.50	U	0.97	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.50	U	0.96	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.50	U	1.20	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.50	UQ	3.00	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.50	U	1.00	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.50	U	1.20	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		56 - 120	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		57 - 135	104%	SPK: 50
2037-26-5	Toluene-d8	49.4		67 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.0		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	377000	7.95			
540-36-3	1,4-Difluorobenzene	595000	8.84			
3114-55-4	Chlorobenzene-d5	444000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	95700	13.55			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013211.D
 Acq On : 21 Sep 2019 04:22
 Operator : SY/VA
 Sample : K4939-05
 Misc : 6.03G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 984-S-4-(19)

Quant Time: Sep 21 06:24:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

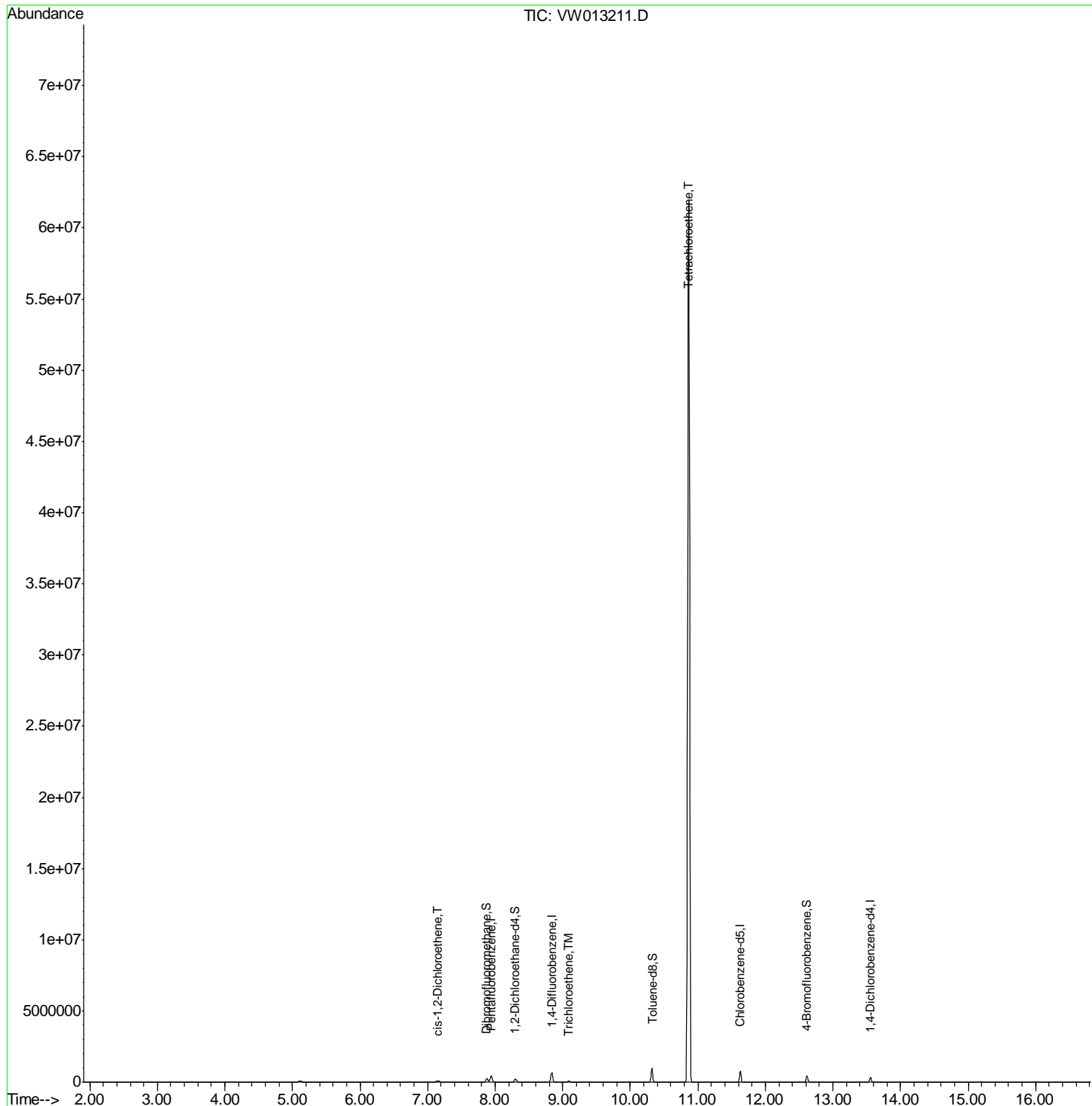
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	376633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	595334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	444455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	95656	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	171248	55.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.42%	
35) Dibromofluoromethane	7.88	113	169638	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.32	98	676493	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.62	95	149570	31.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.90%	
Target Compounds						
27) cis-1,2-Dichloroethene	7.16	96	8163	2.045	ug/l	83
44) Trichloroethene	9.09	130	34025	7.540	ug/l	100
64) Tetrachloroethene	10.87	164	16167516	4794.302	ug/l #	85

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

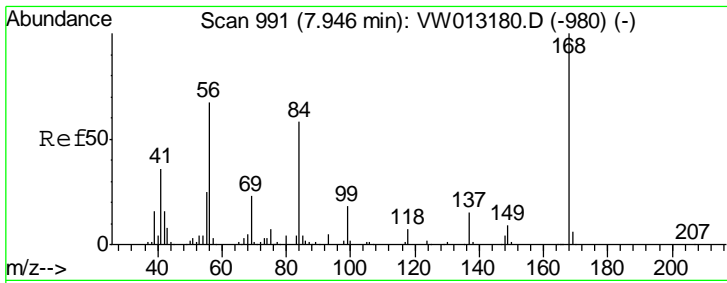
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 Data File : VW013211.D
 Acq On : 21 Sep 2019 04:22
 Operator : SY/VA
 Sample : K4939-05
 Misc : 6.03G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampled :
 984-S-4-(19)

Quant Time: Sep 21 06:24:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



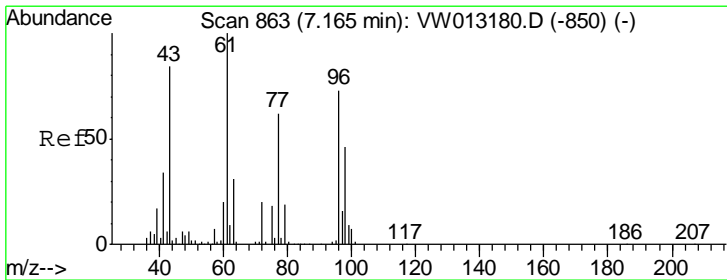
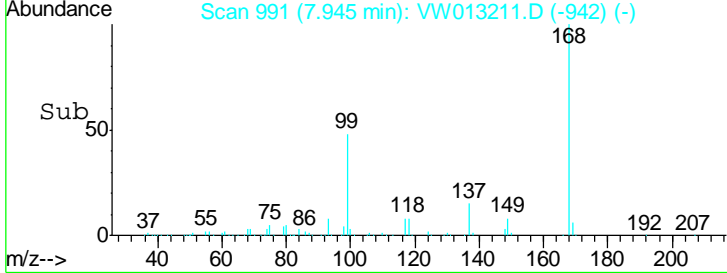
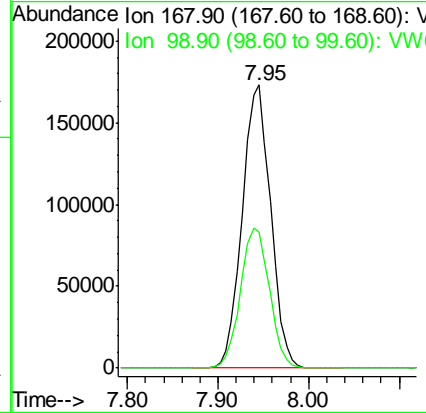
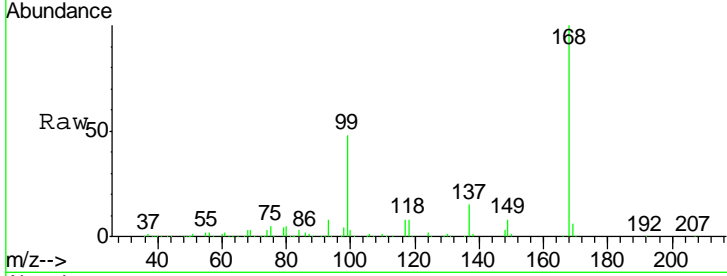
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

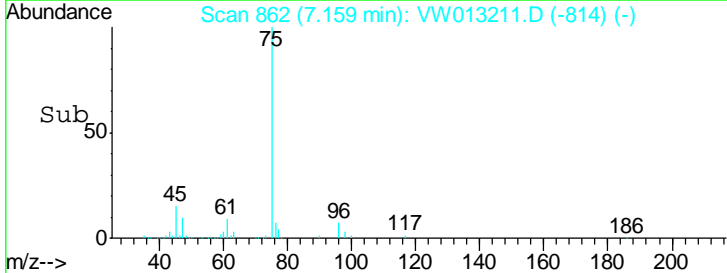
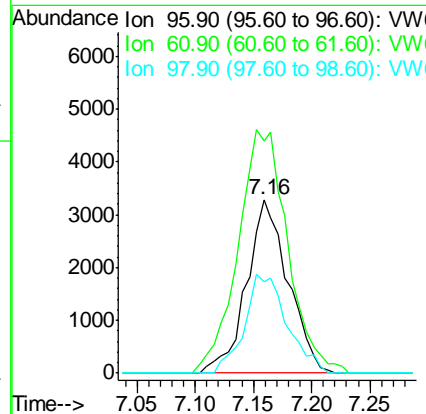
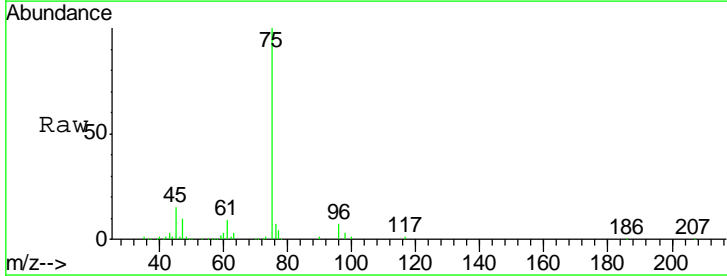
Instrument : MSVOA_W
 ClientSampleId : 984-S-4-(19)

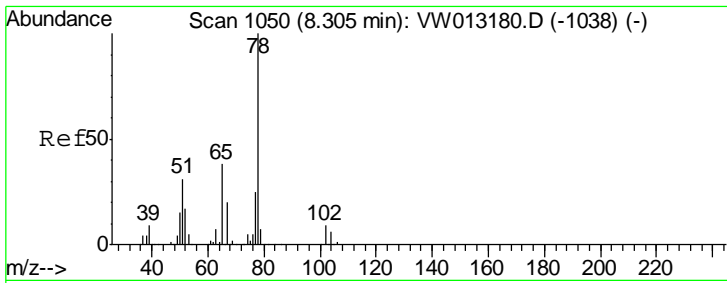
Tgt Ion	Resp	Lower	Upper
168	100		
99	47.9	40.2	60.4



#27
 cis-1,2-Dichloroethene
 Concen: 2.045 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

Tgt Ion	Resp	Lower	Upper
96	100		
61	167.5	0.0	282.4
98	58.2	0.0	128.2

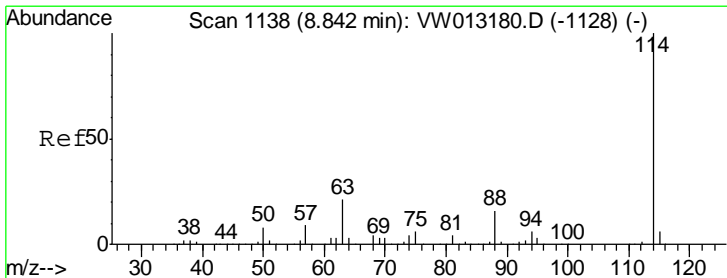
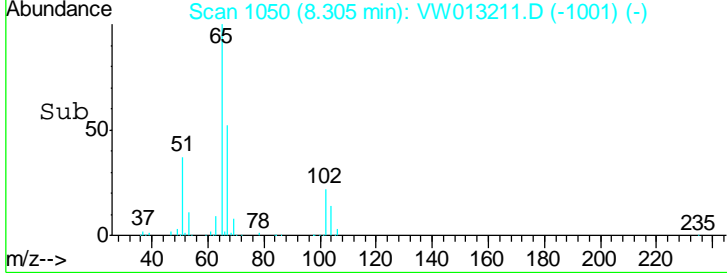
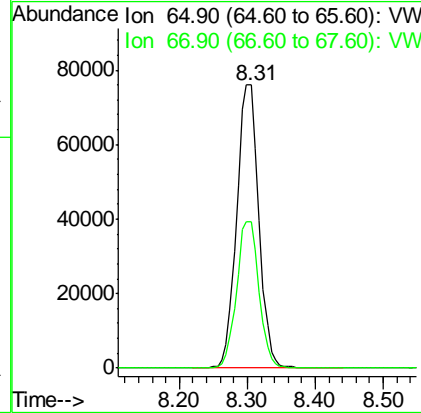
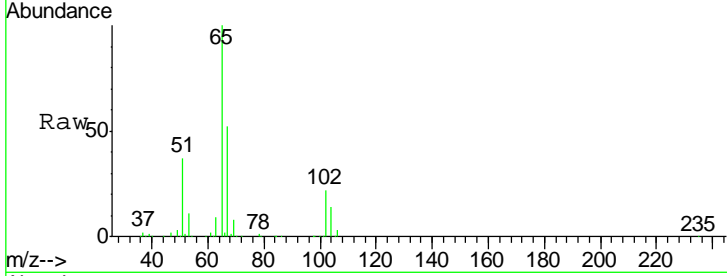




#33
 1,2-Dichloroethane-d4
 Concen: 55.711 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

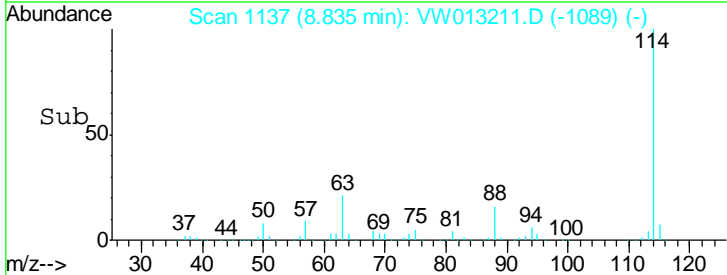
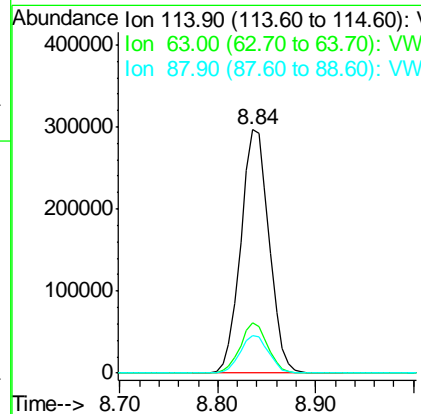
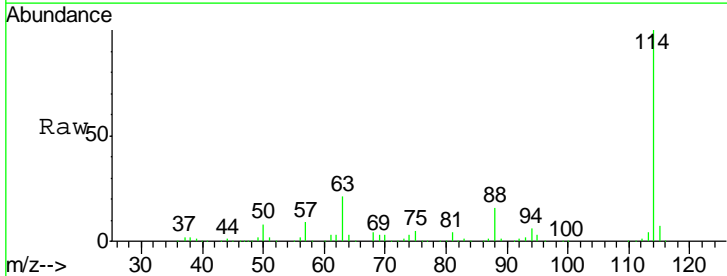
Instrument : MSVOA_W
 ClientSampled : 984-S-4-(19)

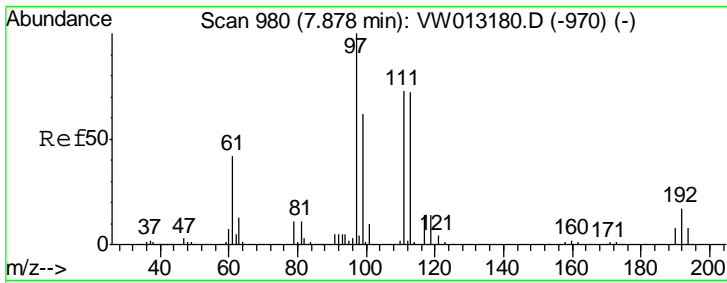
Tgt Ion	Resp	Lower	Upper
65	171248		
65	100		
67	52.6	0.0	106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

Tgt Ion	Resp	Lower	Upper
114	595334		
114	100		
63	20.6	0.0	41.4
88	15.6	0.0	32.0

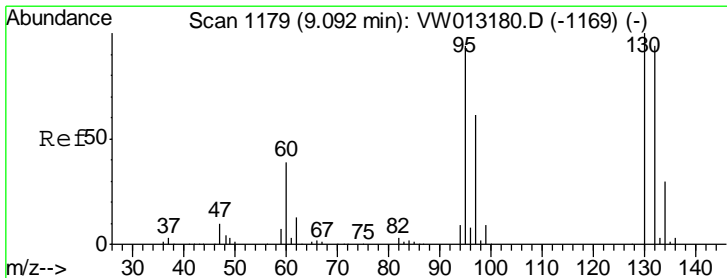
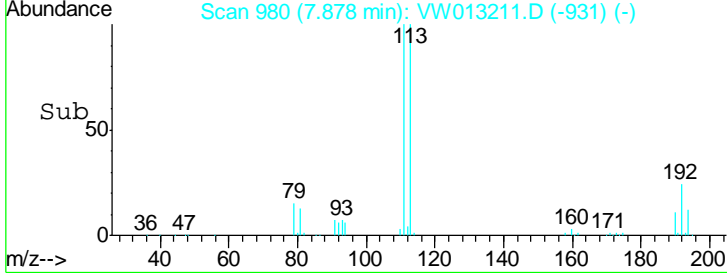
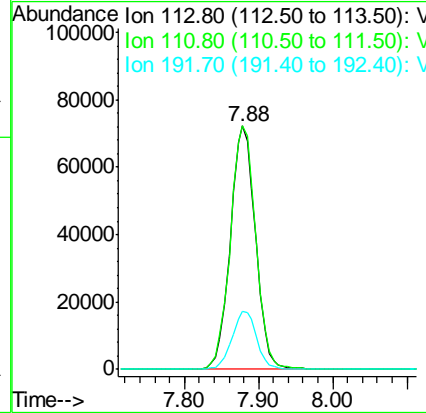
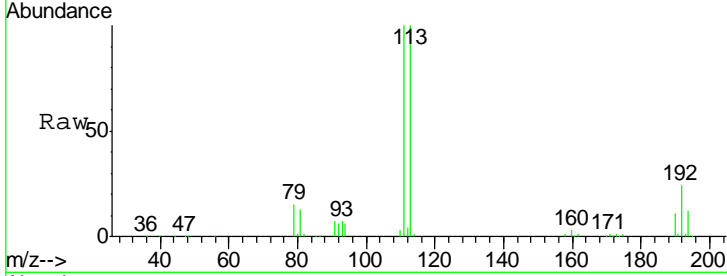




#35
 Dibromofluoromethane
 Concen: 51.808 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

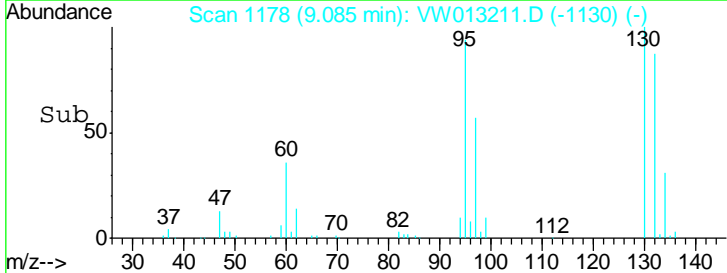
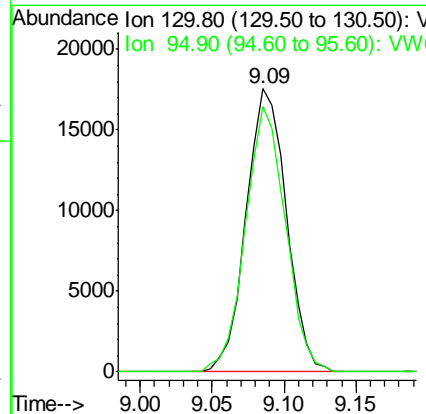
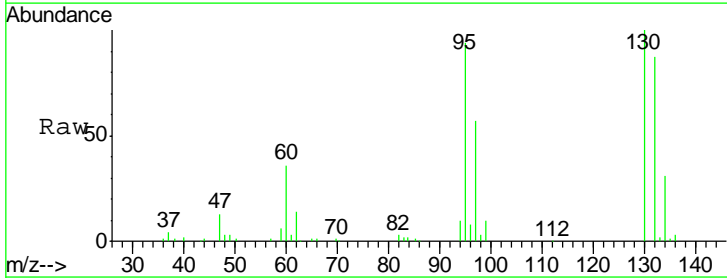
Instrument : MSVOA_W
 ClientSampled : 984-S-4-(19)

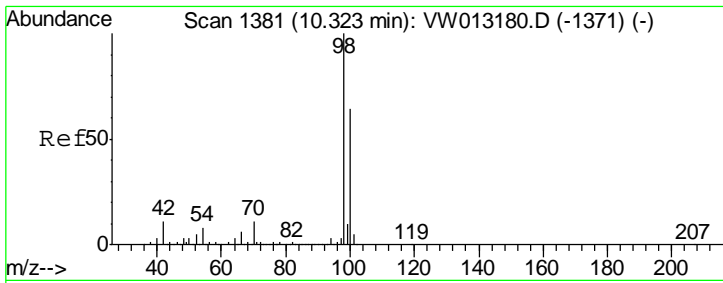
Tgt Ion	Resp	Lower	Upper
113	169638		
111	101.4	81.9	122.9
192	23.5	19.1	28.7



#44
 Trichloroethene
 Concen: 7.540 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

Tgt Ion	Resp	Lower	Upper
130	34025		
95	93.6	0.0	188.0

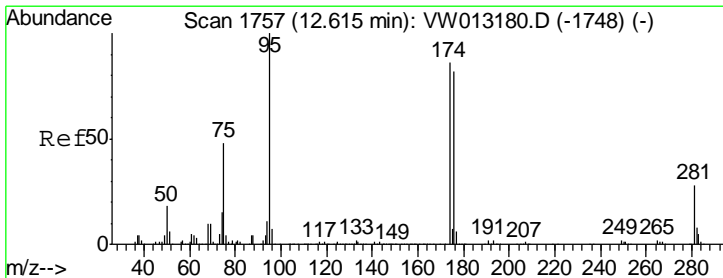
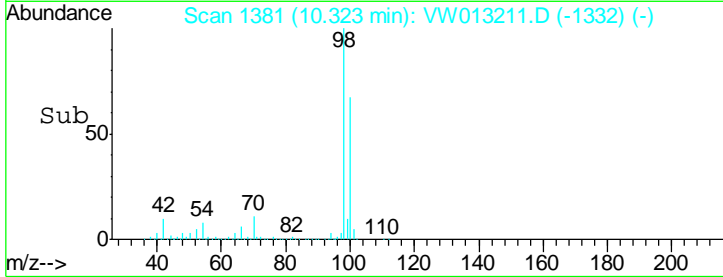
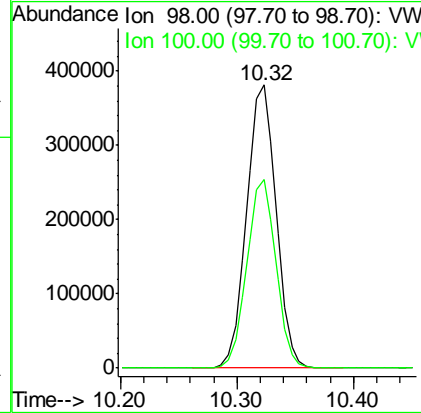
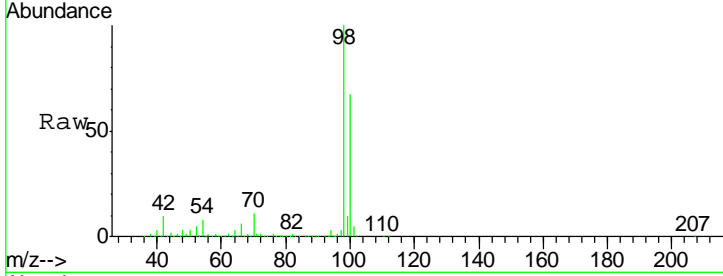




#50
 Toluene-d8
 Concen: 49.366 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

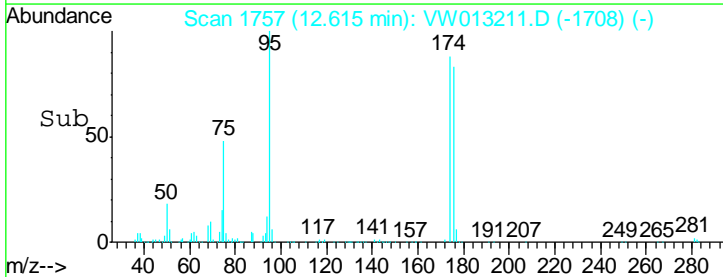
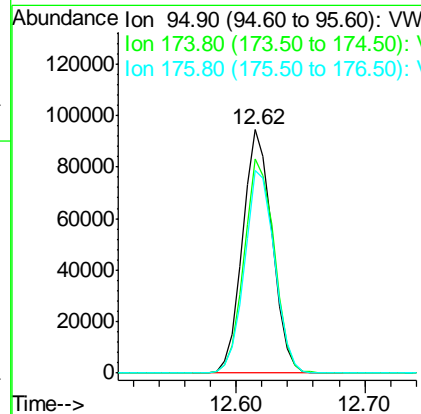
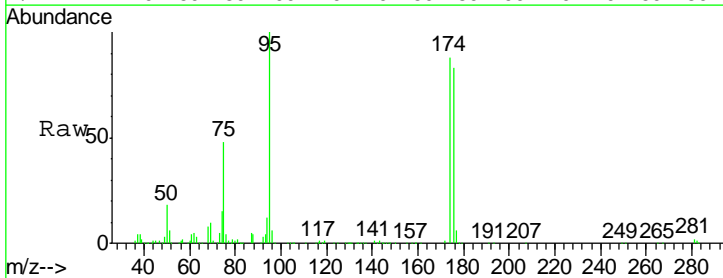
Instrument : MSVOA_W
 ClientSampled : 984-S-4-(19)

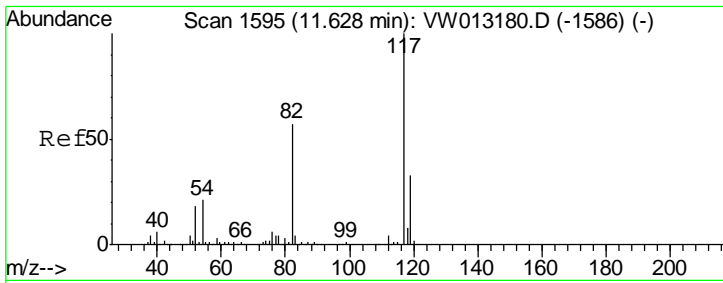
Tgt Ion	Resp	Lower	Upper
98	676493		
100	100		
100	65.8	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 31.953 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

Tgt Ion	Resp	Lower	Upper
95	149570		
174	100		
174	89.3	0.0	178.4
176	84.5	0.0	172.2

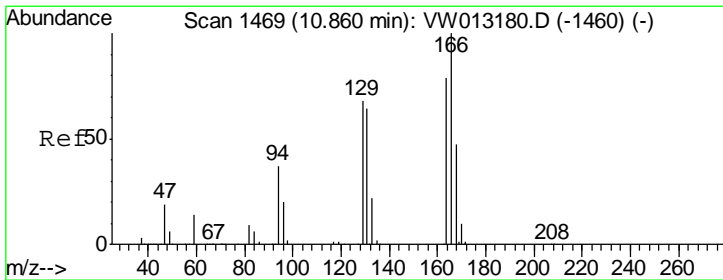
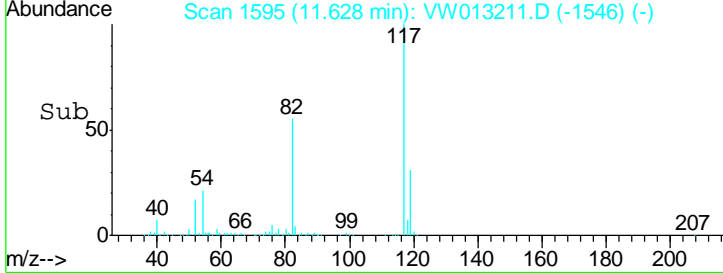
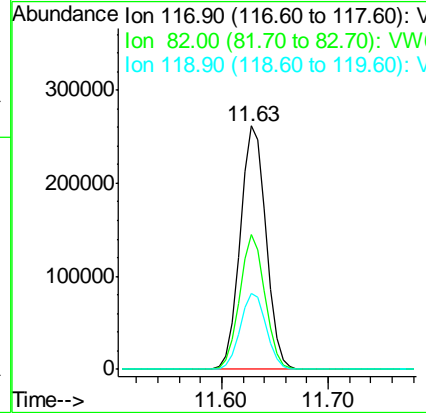
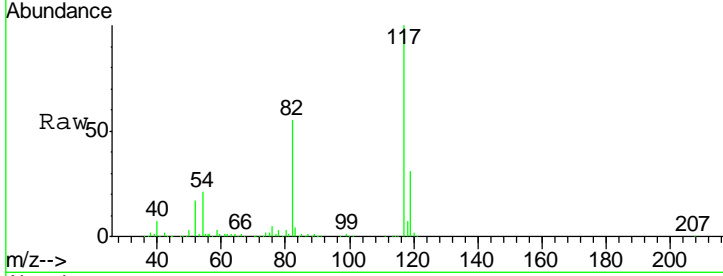




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

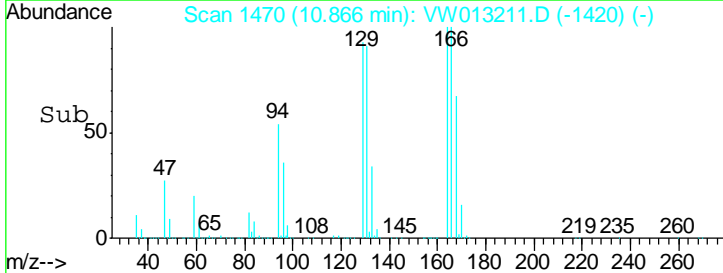
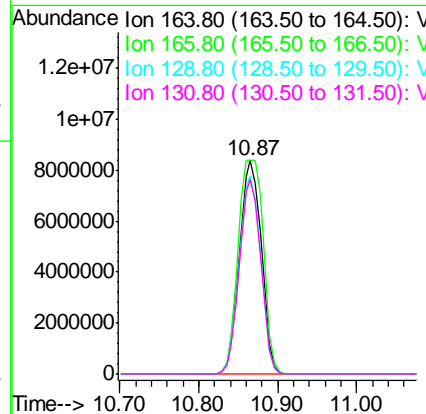
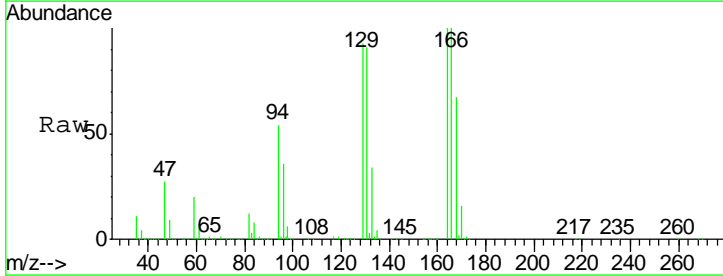
Instrument : MSVOA_W
 ClientSampled : 984-S-4-(19)

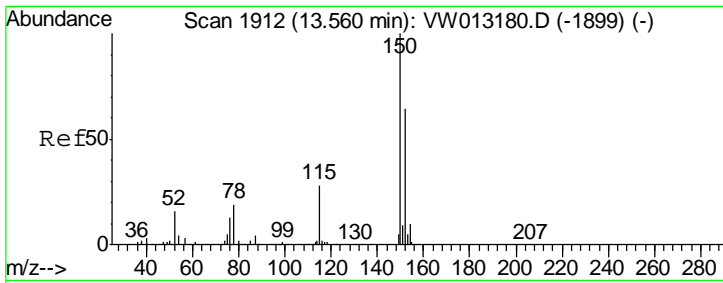
Tgt Ion	Resp	Lower	Upper
117	444455		
82	55.2	45.9	68.9
119	31.4	26.2	39.2



#64
 Tetrachloroethene
 Concen: 4794.302 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

Tgt Ion	Resp	Lower	Upper
164	16167516		
166	100.0	101.2	151.8#
129	92.6	68.8	103.2
131	91.2	65.2	97.8

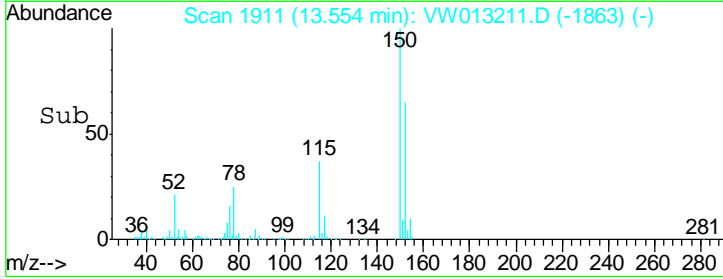
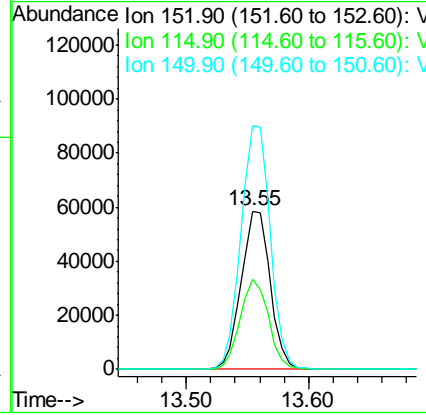
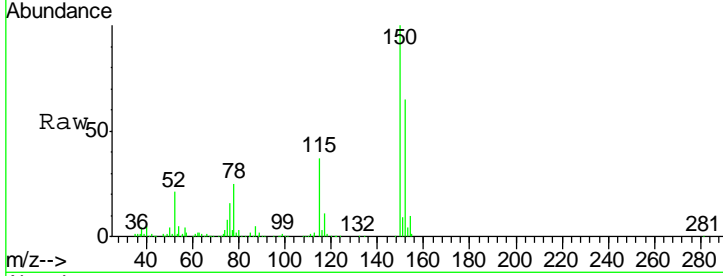




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

Instrument : MSVOA_W
 ClientSampleId : 984-S-4-(19)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.8	27.3	81.9
150	156.0	0.0	349.0



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013211.D
 Acq On : 21 Sep 2019 04:22
 Operator : SY/VA
 Sample : K4939-05
 Misc : 6.03G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 984-S-4-(19)

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.835	1128	1137	1152	rBV	680124	1330203	1.15%	1.106%
2	10.323	1372	1381	1389	rBV	988713	1763687	1.52%	1.466%
3	10.866	1460	1470	1494	rBV	61904888	115895408	100.00%	96.361%
4	11.628	1587	1595	1606	rBV	756444	1282236	1.11%	1.066%

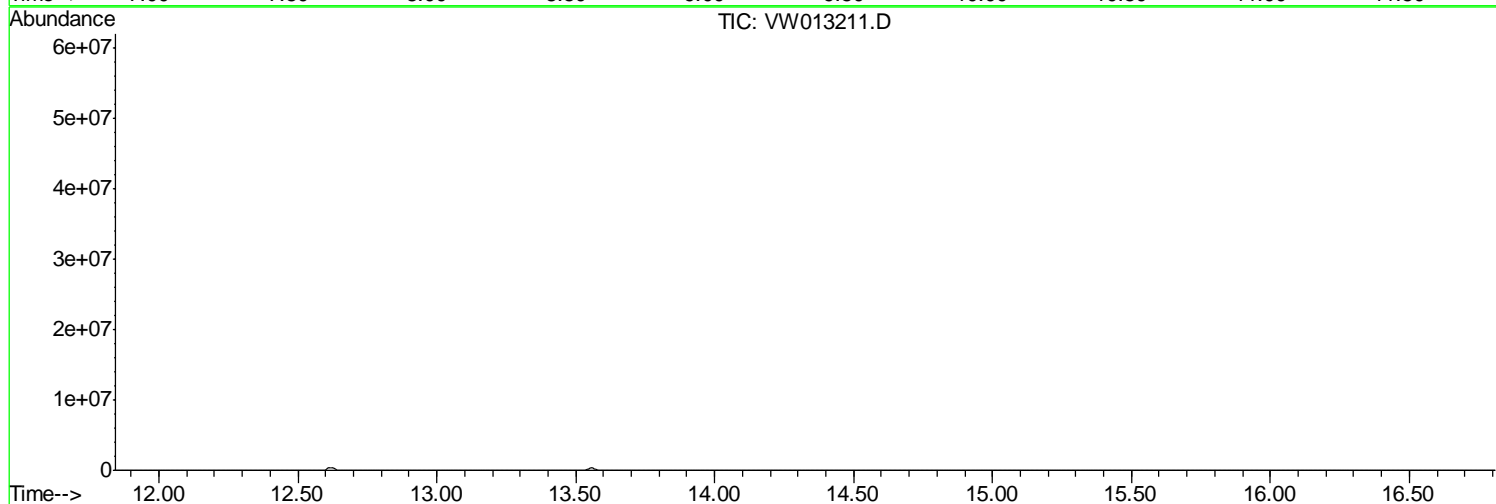
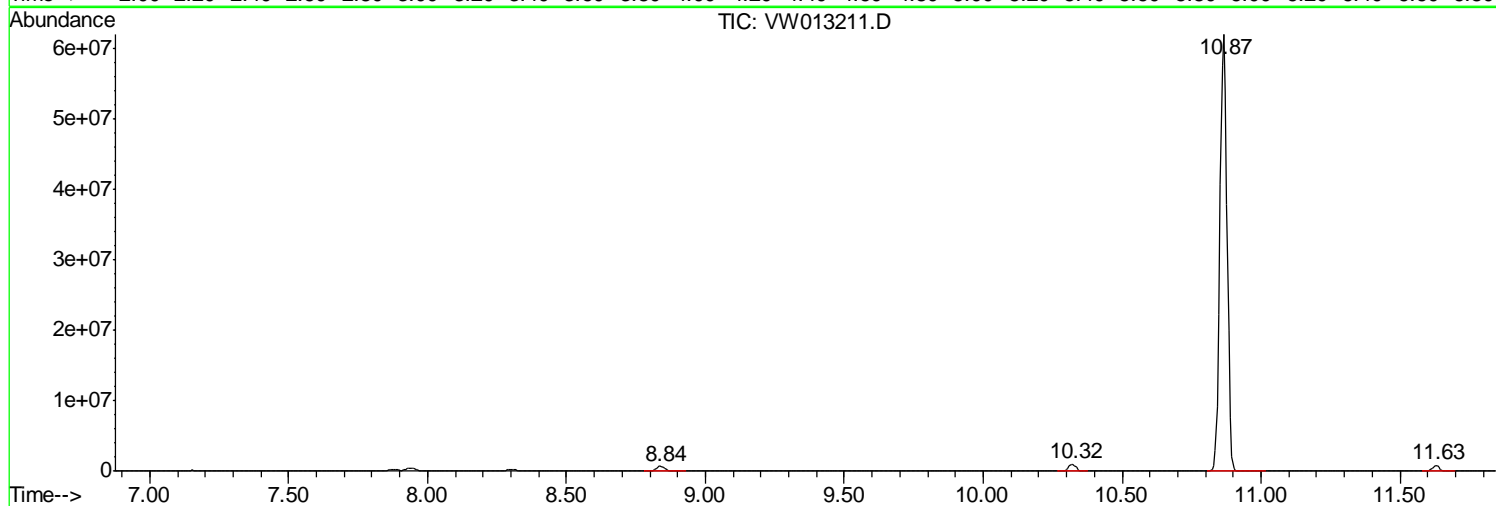
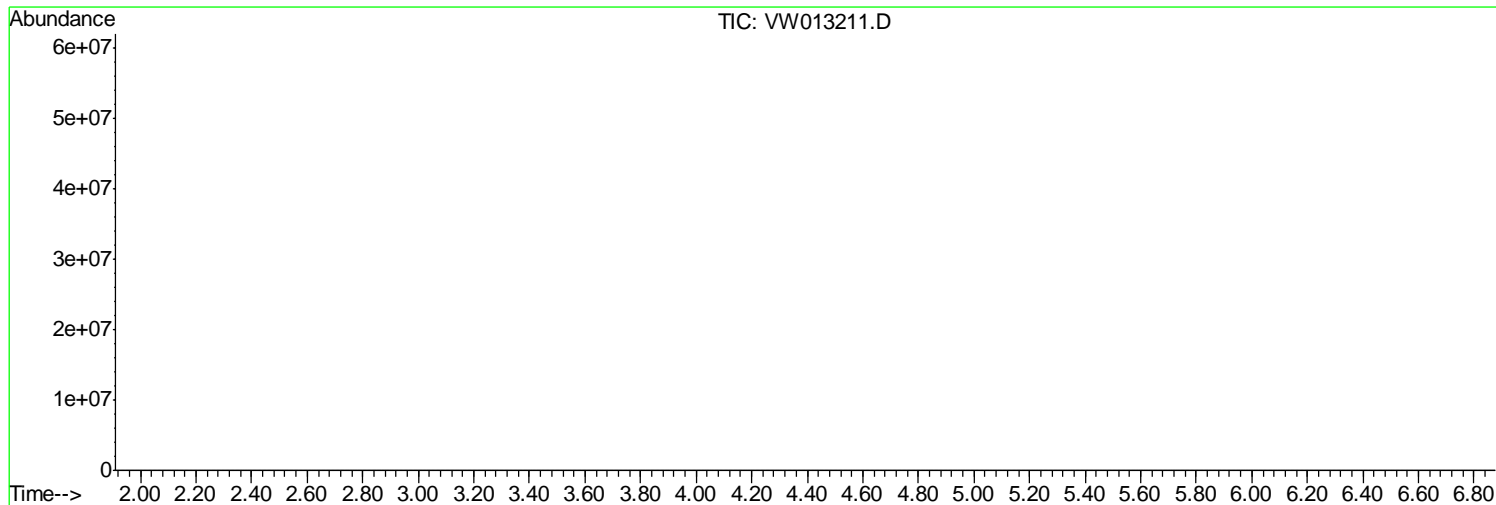
Sum of corrected areas: 120271534

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013211.D
Acq On : 21 Sep 2019 04:22
Operator : SY/VA
Sample : K4939-05
Misc : 6.03G/5ML/MSVOA W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
984-S-4-(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
Data File : VW013211.D
Acq On : 21 Sep 2019 04:22
Operator : SY/VA
Sample : K4939-05
Misc : 6.03G/5ML/MSVOA_W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
984-S-4-(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
Data File : VW013211.D
Acq On : 21 Sep 2019 04:22
Operator : SY/VA
Sample : K4939-05
Misc : 6.03G/5ML/MSVOA_W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
984-S-4-(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	984-S-4-(19)ME	SDG No.:	K4939
Lab Sample ID:	K4939-05ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.6
Sample Wt/Vol:	6.23 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058304.D	1		09/23/19 19:35	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	440	UD	79.8	440	ug/Kg
74-87-3	Chloromethane	440	UD	160	440	ug/Kg
75-01-4	Vinyl Chloride	440	UD	97.6	440	ug/Kg
74-83-9	Bromomethane	440	UD	33.2	440	ug/Kg
75-00-3	Chloroethane	440	UD	50.5	440	ug/Kg
75-69-4	Trichlorofluoromethane	440	UD	56.7	440	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	440	UD	70.4	440	ug/Kg
75-35-4	1,1-Dichloroethene	440	UD	87.1	440	ug/Kg
67-64-1	Acetone	2200	UD	670	2200	ug/Kg
75-15-0	Carbon Disulfide	440	UD	94.0	440	ug/Kg
1634-04-4	Methyl tert-butyl Ether	440	UD	120	440	ug/Kg
79-20-9	Methyl Acetate	440	UD	250	440	ug/Kg
75-09-2	Methylene Chloride	880	UD	460	880	ug/Kg
156-60-5	trans-1,2-Dichloroethene	440	UD	110	440	ug/Kg
75-34-3	1,1-Dichloroethane	440	UD	79.9	440	ug/Kg
110-82-7	Cyclohexane	440	UD	160	440	ug/Kg
78-93-3	2-Butanone	2200	UD	590	2200	ug/Kg
56-23-5	Carbon Tetrachloride	440	UD	72.4	440	ug/Kg
156-59-2	cis-1,2-Dichloroethene	440	UD	86.6	440	ug/Kg
74-97-5	Bromochloromethane	440	UD	100	440	ug/Kg
67-66-3	Chloroform	440	UD	75.8	440	ug/Kg
71-55-6	1,1,1-Trichloroethane	440	UD	92.9	440	ug/Kg
108-87-2	Methylcyclohexane	440	UD	100	440	ug/Kg
71-43-2	Benzene	440	UD	73.6	440	ug/Kg
107-06-2	1,2-Dichloroethane	440	UD	110	440	ug/Kg
79-01-6	Trichloroethene	440	UD	81.9	440	ug/Kg
78-87-5	1,2-Dichloropropane	440	UD	110	440	ug/Kg
75-27-4	Bromodichloromethane	440	UD	87.2	440	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2200	UD	490	2200	ug/Kg
108-88-3	Toluene	440	UD	85.6	440	ug/Kg
10061-02-6	t-1,3-Dichloropropene	440	UD	88.4	440	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	440	UD	94.0	440	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	984-S-4-(19)ME	SDG No.:	K4939
Lab Sample ID:	K4939-05ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.6
Sample Wt/Vol:	6.23 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058304.D	1		09/23/19 19:35	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	440	UD	120	440	ug/Kg
591-78-6	2-Hexanone	2200	UD	650	2200	ug/Kg
124-48-1	Dibromochloromethane	440	UD	120	440	ug/Kg
106-93-4	1,2-Dibromoethane	440	UD	110	440	ug/Kg
127-18-4	Tetrachloroethene	13700	ED	61.0	440	ug/Kg
108-90-7	Chlorobenzene	440	UD	69.2	440	ug/Kg
100-41-4	Ethyl Benzene	440	UD	74.9	440	ug/Kg
179601-23-1	m/p-Xylenes	880	UD	150	880	ug/Kg
95-47-6	o-Xylene	440	UD	96.3	440	ug/Kg
100-42-5	Styrene	440	UD	87.0	440	ug/Kg
75-25-2	Bromoform	440	UD	290	440	ug/Kg
98-82-8	Isopropylbenzene	440	UD	76.0	440	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	440	UD	95.4	440	ug/Kg
541-73-1	1,3-Dichlorobenzene	440	UD	93.5	440	ug/Kg
106-46-7	1,4-Dichlorobenzene	440	UD	92.7	440	ug/Kg
95-50-1	1,2-Dichlorobenzene	440	UD	110	440	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	440	UD	290	440	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	440	UD	97.6	440	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	440	UD	110	440	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		56 - 120	107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	53.2		67 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	457000	7.65			
540-36-3	1,4-Difluorobenzene	744000	8.57			
3114-55-4	Chlorobenzene-d5	625000	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	261000	13.35			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	984-S-4-(19)ME	SDG No.:	K4939
Lab Sample ID:	K4939-05ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.6
Sample Wt/Vol:	6.23 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058304.D	1		09/23/19 19:35	VN092319

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058304.D
 Acq On : 23 Sep 2019 19:35
 Operator : JC/SP
 Sample : K4939-05ME
 Misc : 6.23µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 984-S-4-(19)ME

Quant Time: Sep 24 09:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

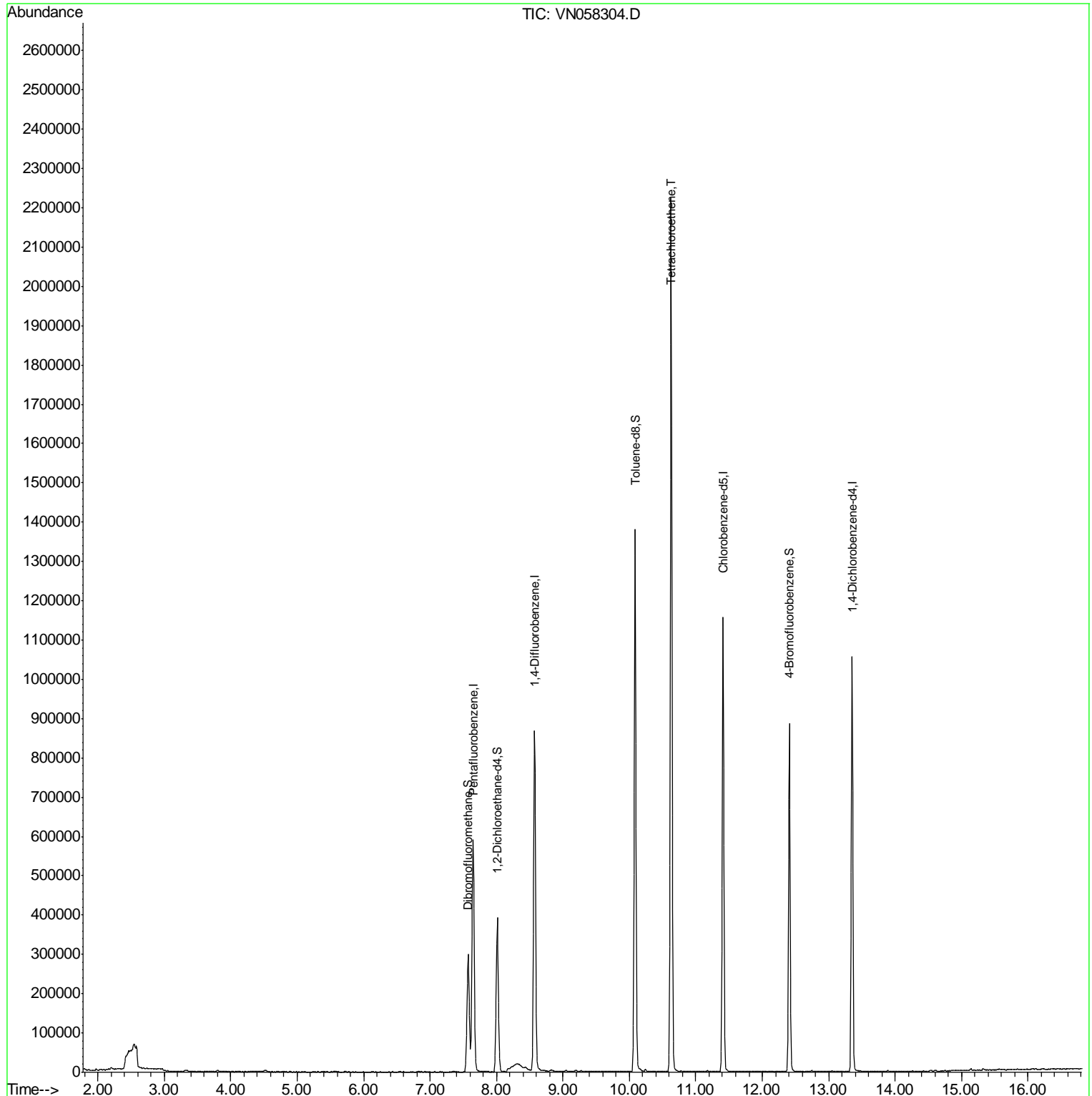
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	456621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	743644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	625068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261140	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	339006	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	7.57	113	221846	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.08	98	937700	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.41	95	299842	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
Target Compounds						
64) Tetrachloroethene	10.63	164	474953	155.873	ug/l	Qvalue 99

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

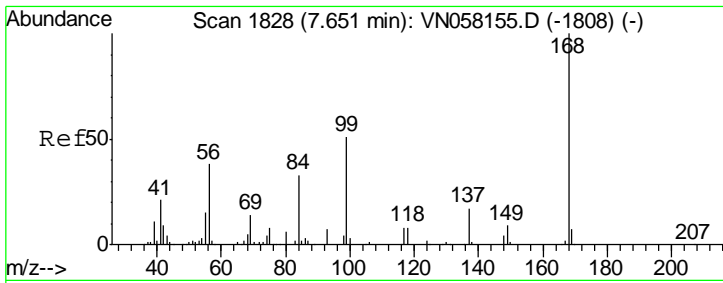
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058304.D
 Acq On : 23 Sep 2019 19:35
 Operator : JC/SP
 Sample : K4939-05ME
 Misc : 6.23µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 984-S-4-(19)ME

Quant Time: Sep 24 09:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration



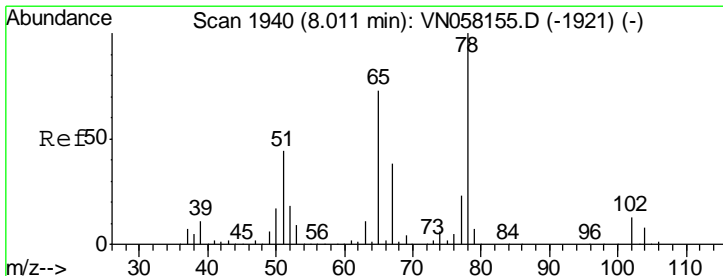
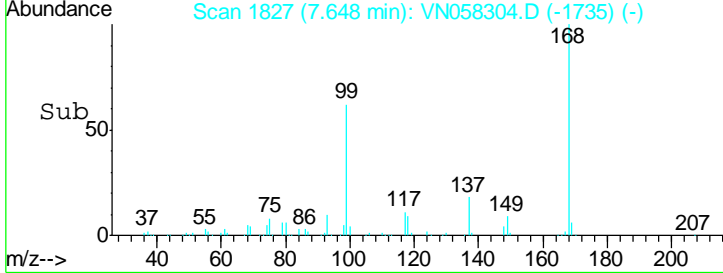
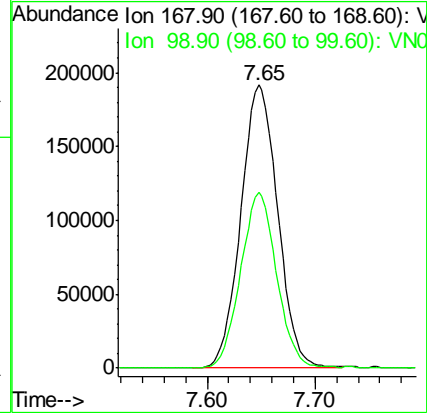
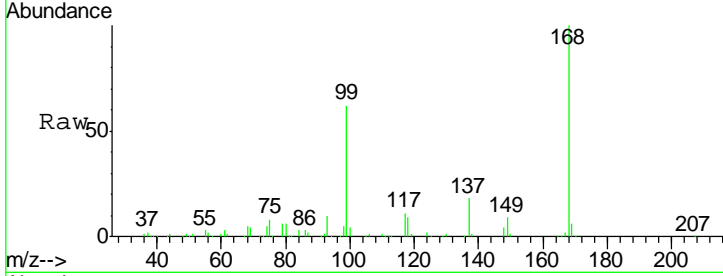
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: VN058304.D
 Acq: 23 Sep 2019 19:35

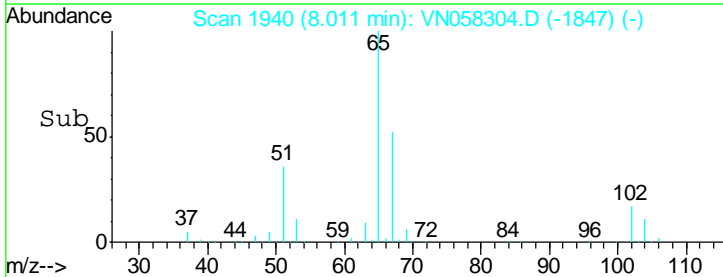
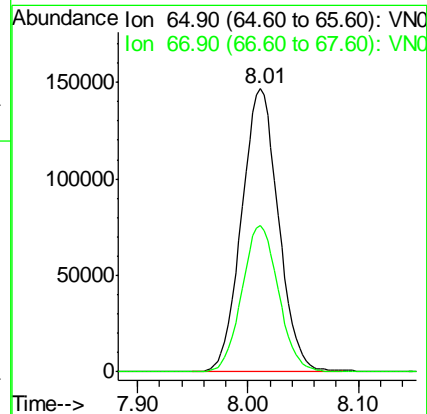
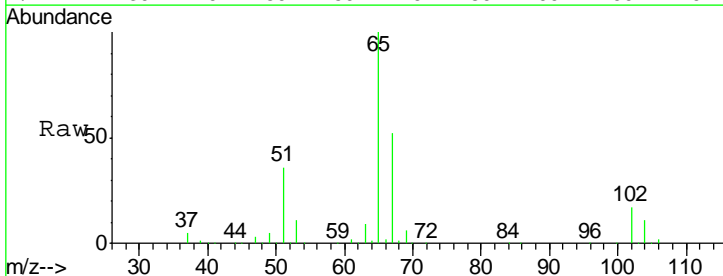
Instrument : MSVOA_N
 ClientSampleId : 984-S-4-(19)ME

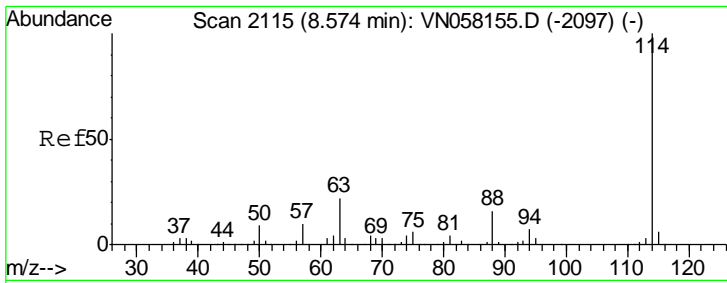
Tgt Ion	Resp	Lower	Upper
168	100		
99	62.0	47.4	71.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.304 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058304.D
 Acq: 23 Sep 2019 19:35

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.5	0.0	103.4

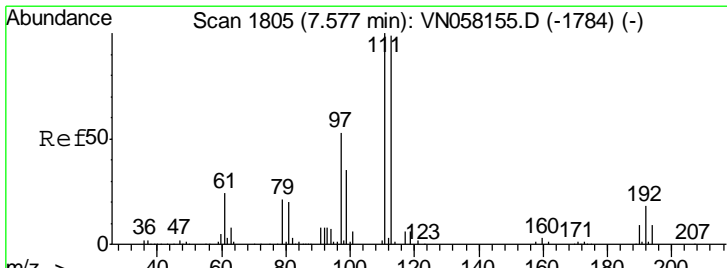
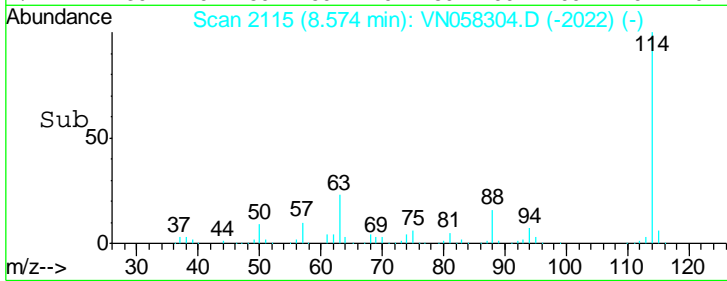
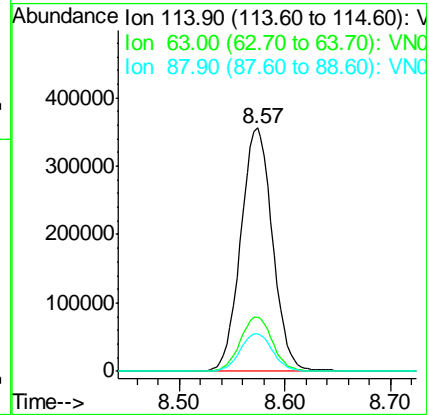
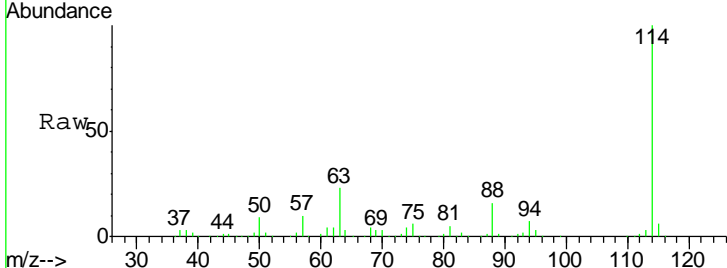




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058304.D
 Acq: 23 Sep 2019 19:35

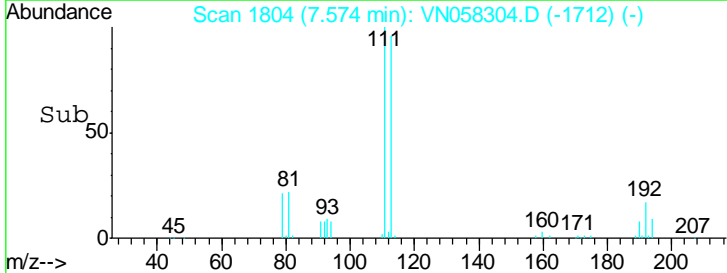
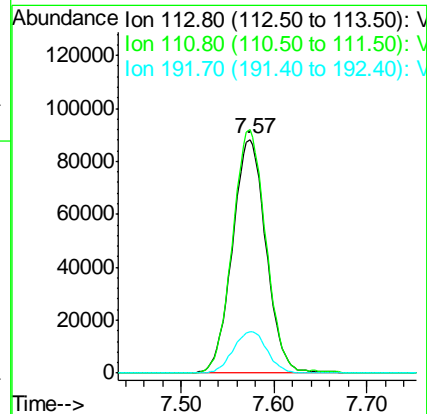
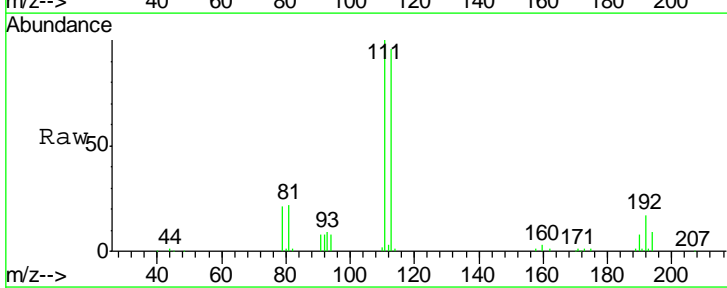
Instrument : MSVOA_N
 ClientSampleId : 984-S-4-(19)ME

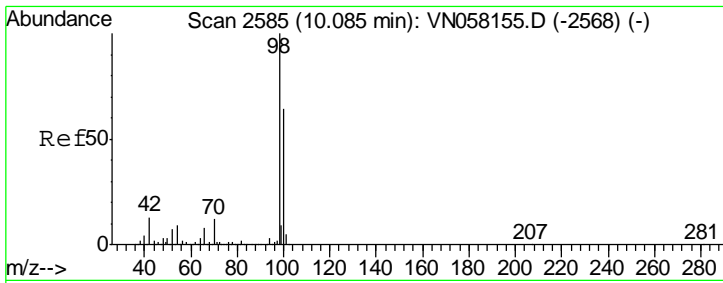
Tgt Ion	Resp	Lower	Upper
114	743644		
63	22.5	0.0	44.2
88	15.6	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 49.073 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058304.D
 Acq: 23 Sep 2019 19:35

Tgt Ion	Resp	Lower	Upper
113	221846		
111	103.7	81.8	122.6
192	18.0	14.5	21.7

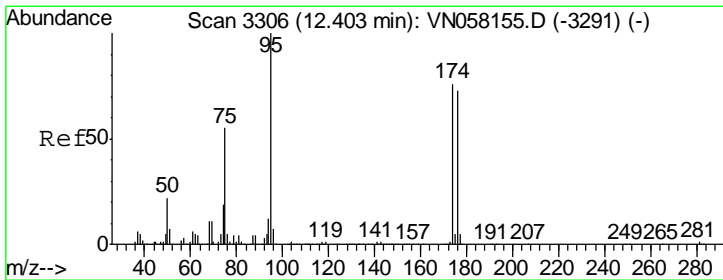
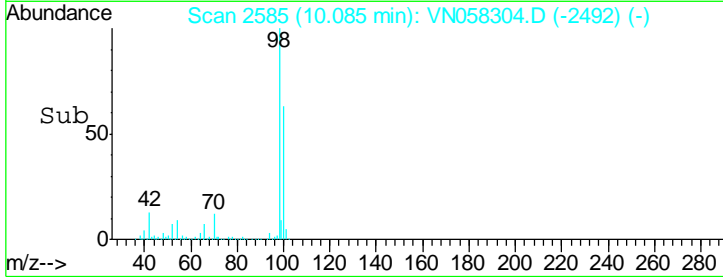
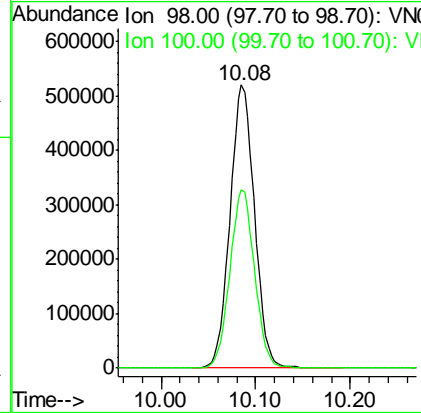
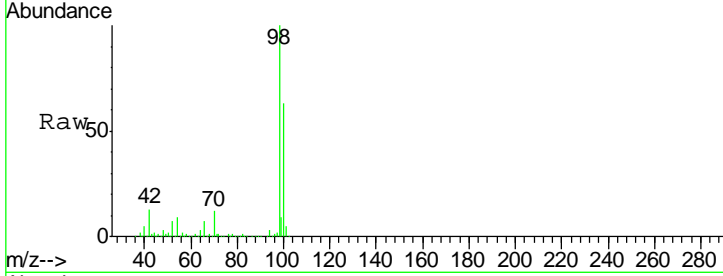




#50
Toluene-d8
Concen: 53.237 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058304.D
Acq: 23 Sep 2019 19:35

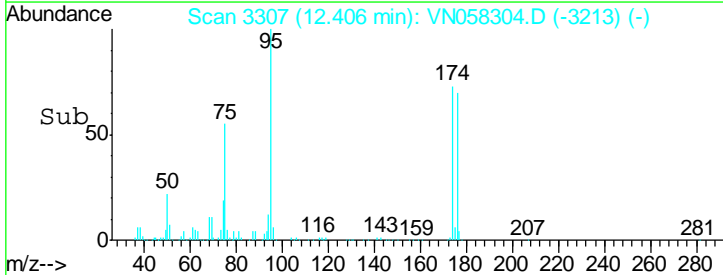
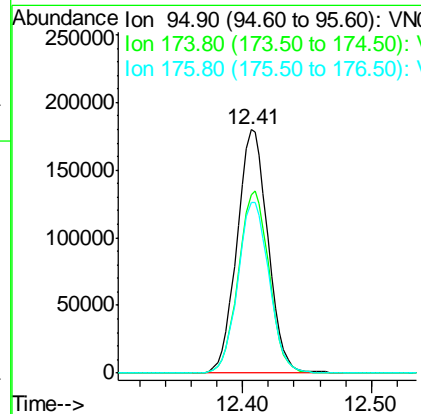
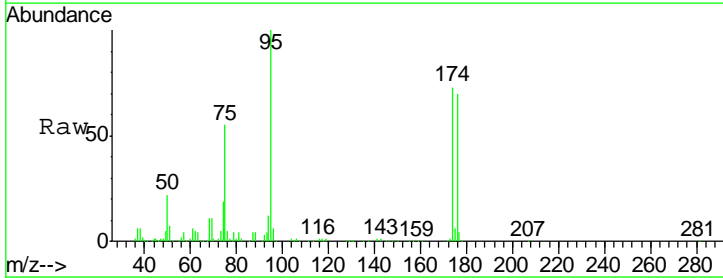
Instrument : MSVOA_N
Client Sampled : 984-S-4-(19)ME

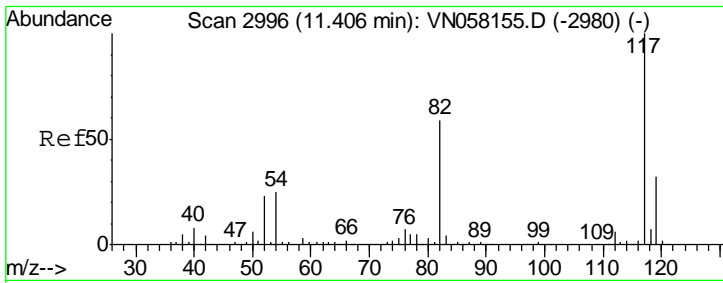
Tgt Ion	Resp	Lower	Upper
98	937700		
98	100		
100	63.5	51.1	76.7



#62
4-Bromofluorobenzene
Concen: 45.828 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058304.D
Acq: 23 Sep 2019 19:35

Tgt Ion	Resp	Lower	Upper
95	299842		
95	100		
174	74.3	0.0	152.2
176	71.1	0.0	148.0

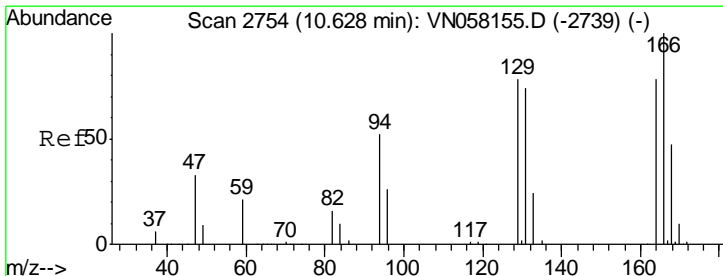
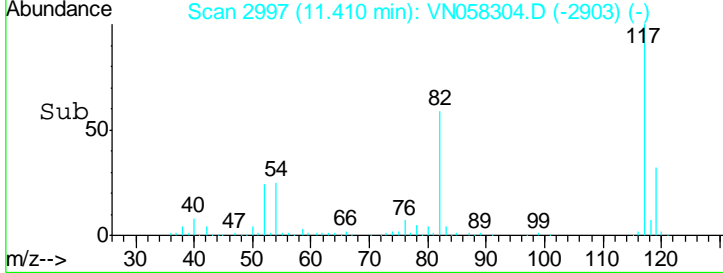
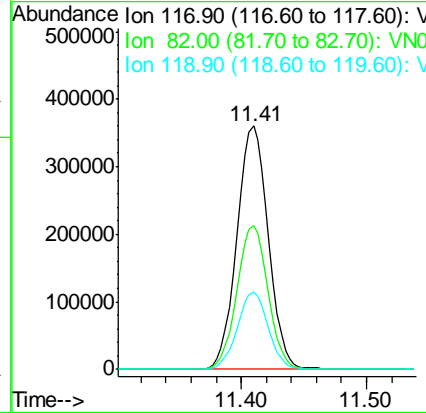
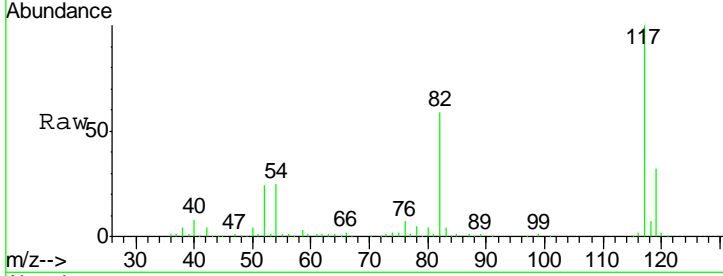




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN058304.D
 Acq: 23 Sep 2019 19:35

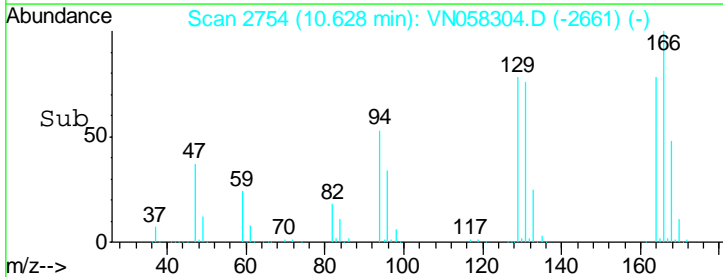
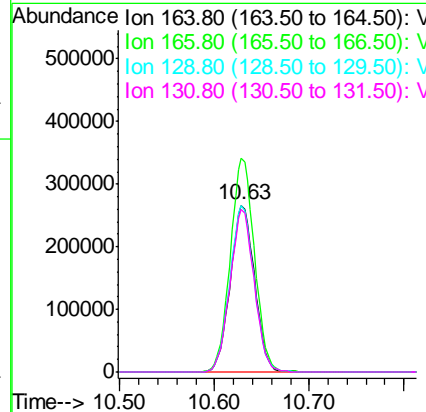
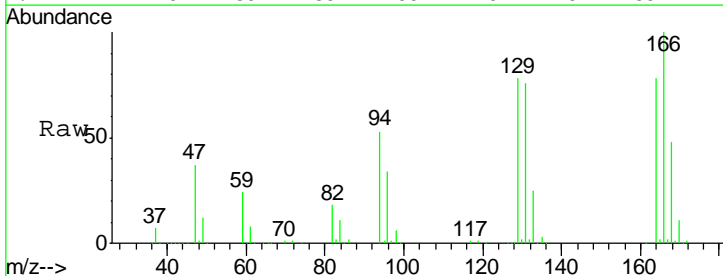
Instrument : MSVOA_N
 ClientSampleId : 984-S-4-(19)ME

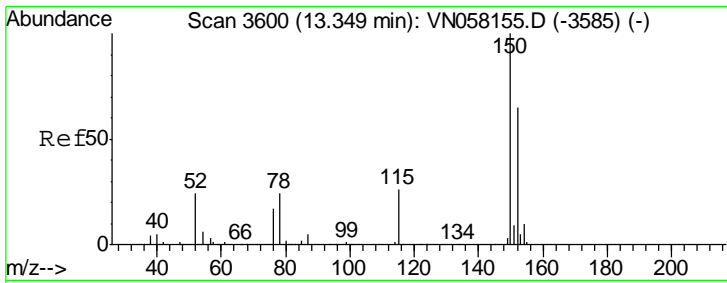
Tgt Ion	Resp	Lower	Upper
117	625068		
82	59.2	46.9	70.3
119	31.7	25.3	37.9



#64
 Tetrachloroethene
 Concen: 155.873 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: VN058304.D
 Acq: 23 Sep 2019 19:35

Tgt Ion	Resp	Lower	Upper
164	474953		
166	128.2	102.2	153.4
129	100.0	79.6	119.4
131	97.7	76.0	114.0

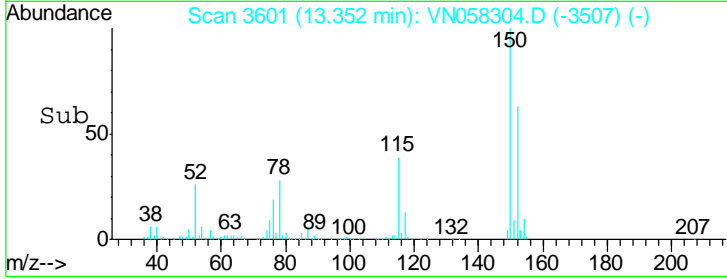
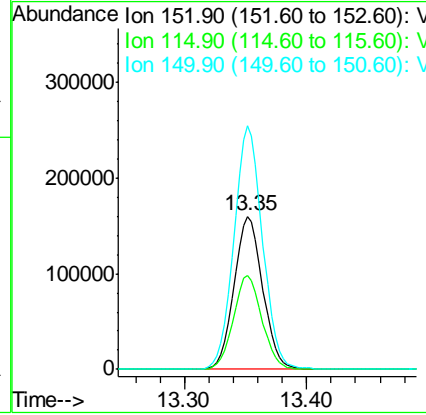
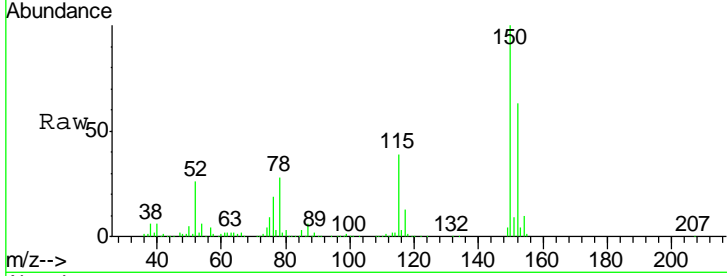




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058304.D
 Acq: 23 Sep 2019 19:35

Instrument : MSVOA_N
 ClientSampleId : 984-S-4-(19)ME

Tot Ion	Resp	Lower	Upper
152	100		
115	61.6	30.1	90.3
150	158.7	0.0	346.4



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	984-S-4-(19)MEDL	SDG No.:	K4939
Lab Sample ID:	K4939-05MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.6
Sample Wt/Vol:	6.23 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058290.D	10		09/23/19 14:24	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4400	UD	800	4400	ug/Kg
74-87-3	Chloromethane	4400	UD	1600	4400	ug/Kg
75-01-4	Vinyl Chloride	4400	UD	980	4400	ug/Kg
74-83-9	Bromomethane	4400	UD	330	4400	ug/Kg
75-00-3	Chloroethane	4400	UD	510	4400	ug/Kg
75-69-4	Trichlorofluoromethane	4400	UD	570	4400	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4400	UD	700	4400	ug/Kg
75-35-4	1,1-Dichloroethene	4400	UD	870	4400	ug/Kg
67-64-1	Acetone	22000	UD	6700	22000	ug/Kg
75-15-0	Carbon Disulfide	4400	UD	940	4400	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4400	UD	1200	4400	ug/Kg
79-20-9	Methyl Acetate	4400	UD	2500	4400	ug/Kg
75-09-2	Methylene Chloride	8800	UD	4600	8800	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4400	UD	1100	4400	ug/Kg
75-34-3	1,1-Dichloroethane	4400	UD	800	4400	ug/Kg
110-82-7	Cyclohexane	4400	UD	1600	4400	ug/Kg
78-93-3	2-Butanone	22000	UD	5900	22000	ug/Kg
56-23-5	Carbon Tetrachloride	4400	UD	720	4400	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4400	UD	870	4400	ug/Kg
74-97-5	Bromochloromethane	4400	UD	1000	4400	ug/Kg
67-66-3	Chloroform	4400	UD	760	4400	ug/Kg
71-55-6	1,1,1-Trichloroethane	4400	UD	930	4400	ug/Kg
108-87-2	Methylcyclohexane	4400	UD	1000	4400	ug/Kg
71-43-2	Benzene	4400	UD	740	4400	ug/Kg
107-06-2	1,2-Dichloroethane	4400	UD	1100	4400	ug/Kg
79-01-6	Trichloroethene	4400	UD	820	4400	ug/Kg
78-87-5	1,2-Dichloropropane	4400	UD	1100	4400	ug/Kg
75-27-4	Bromodichloromethane	4400	UD	870	4400	ug/Kg
108-10-1	4-Methyl-2-Pentanone	22000	UD	4900	22000	ug/Kg
108-88-3	Toluene	4400	UD	860	4400	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4400	UD	880	4400	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4400	UD	940	4400	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	984-S-4-(19)MEDL	SDG No.:	K4939
Lab Sample ID:	K4939-05MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.6
Sample Wt/Vol:	6.23 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058290.D	10		09/23/19 14:24	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4400	UD	1200	4400	ug/Kg
591-78-6	2-Hexanone	22000	UD	6500	22000	ug/Kg
124-48-1	Dibromochloromethane	4400	UD	1200	4400	ug/Kg
106-93-4	1,2-Dibromoethane	4400	UD	1100	4400	ug/Kg
127-18-4	Tetrachloroethene	13700	D	610	4400	ug/Kg
108-90-7	Chlorobenzene	4400	UD	690	4400	ug/Kg
100-41-4	Ethyl Benzene	4400	UD	750	4400	ug/Kg
179601-23-1	m/p-Xylenes	8800	UD	1500	8800	ug/Kg
95-47-6	o-Xylene	4400	UD	960	4400	ug/Kg
100-42-5	Styrene	4400	UD	870	4400	ug/Kg
75-25-2	Bromoform	4400	UD	2900	4400	ug/Kg
98-82-8	Isopropylbenzene	4400	UD	760	4400	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4400	UD	950	4400	ug/Kg
541-73-1	1,3-Dichlorobenzene	4400	UD	930	4400	ug/Kg
106-46-7	1,4-Dichlorobenzene	4400	UD	930	4400	ug/Kg
95-50-1	1,2-Dichlorobenzene	4400	UD	1100	4400	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4400	UD	2900	4400	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4400	UD	980	4400	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4400	UD	1100	4400	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		56 - 120	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	52.8		67 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	480000	7.65			
540-36-3	1,4-Difluorobenzene	796000	8.57			
3114-55-4	Chlorobenzene-d5	688000	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	288000	13.35			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	984-S-4-(19)MEDL	SDG No.:	K4939
Lab Sample ID:	K4939-05MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.6
Sample Wt/Vol:	6.23 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058290.D	10		09/23/19 14:24	VN092319

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058290.D
 Acq On : 23 Sep 2019 14:24
 Operator : JC/SP
 Sample : K4939-05MEDL 10X
 Misc : 6.23µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 984-S-4-(19)MEDL

Quant Time: Sep 24 03:48:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

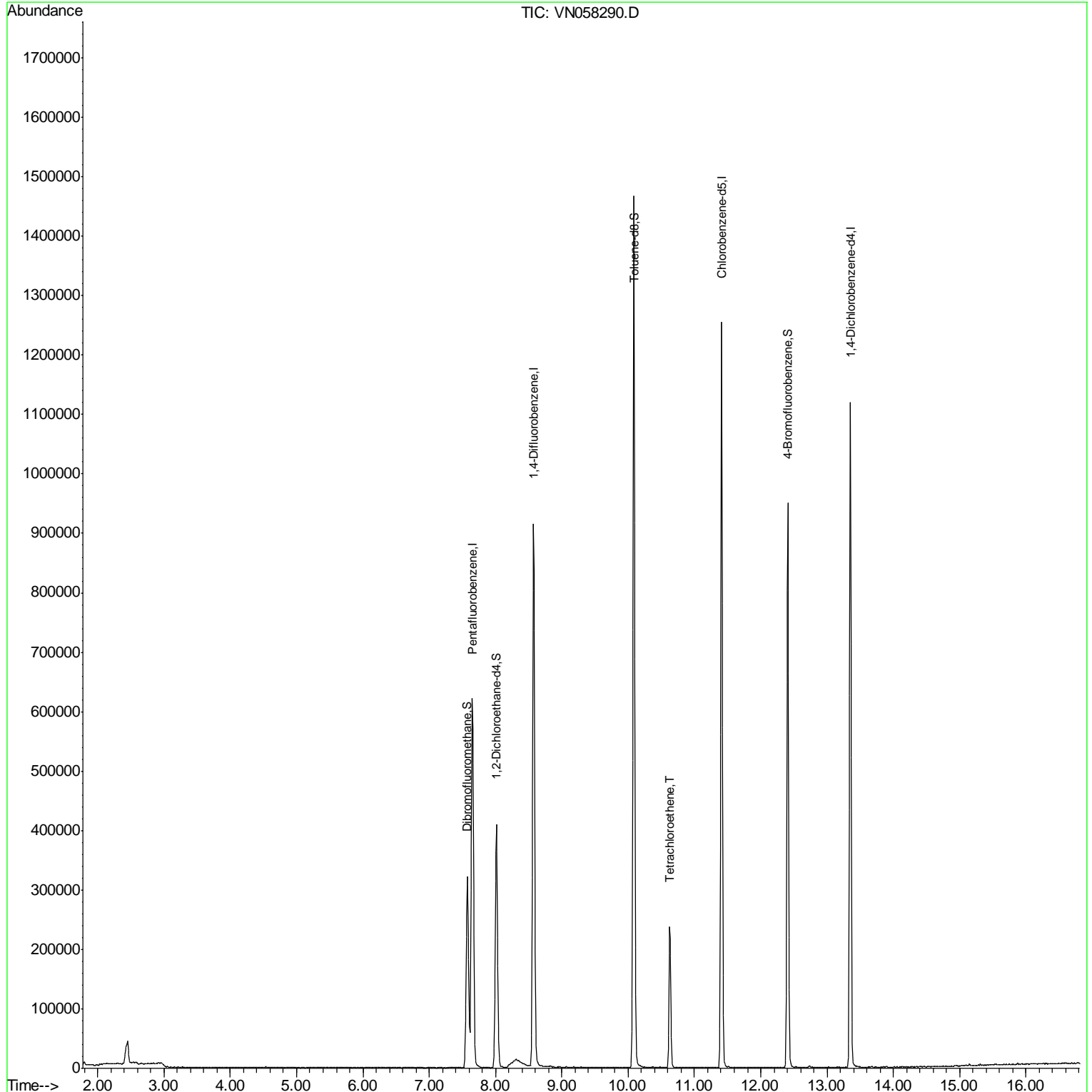
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	480389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	796419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	688082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287656	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	355867	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.57	113	241279	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.09	98	996864	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.41	95	323940	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
Target Compounds						
64) Tetrachloroethene	10.63	164	52438	15.633	ug/l	97

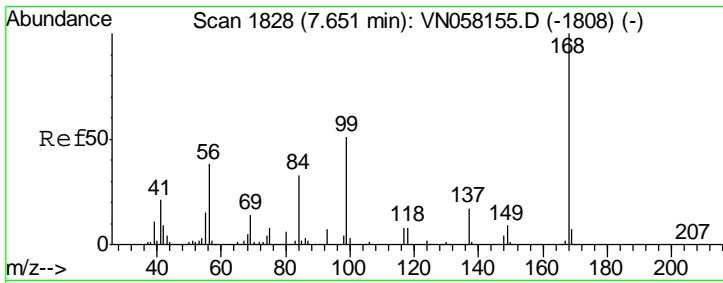
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
Data File : VN058290.D
Acq On : 23 Sep 2019 14:24
Operator : JC/SP
Sample : K4939-05MEDL 10X
Misc : 6.23µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
984-S-4-(19)MEDL

Quant Time: Sep 24 03:48:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

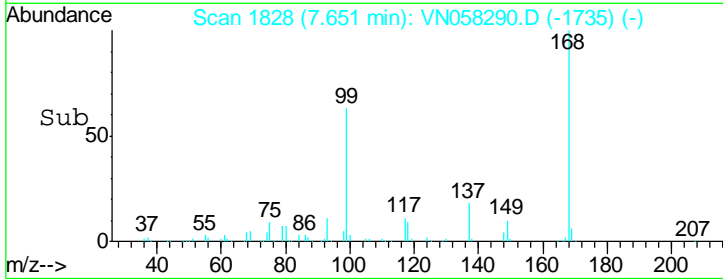
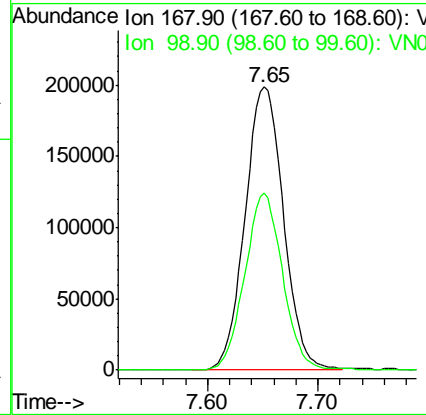
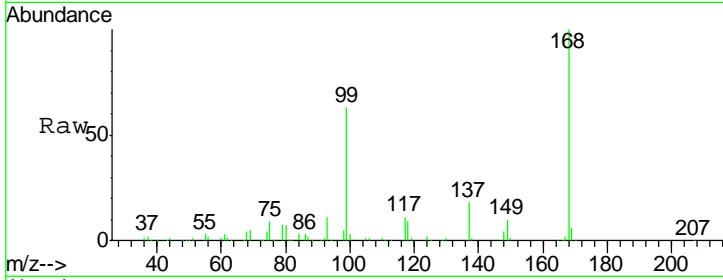




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

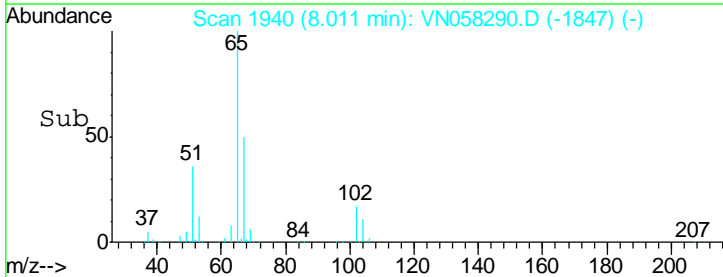
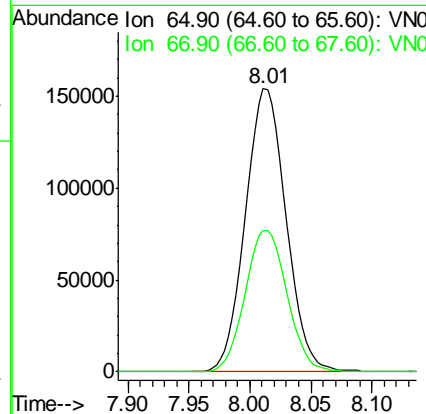
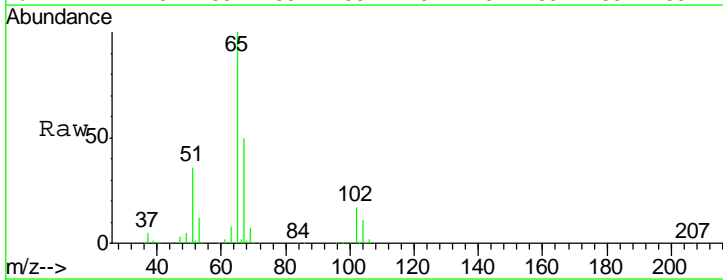
Instrument : MSVOA_N
 ClientSampled : 984-S-4-(19)MEDL

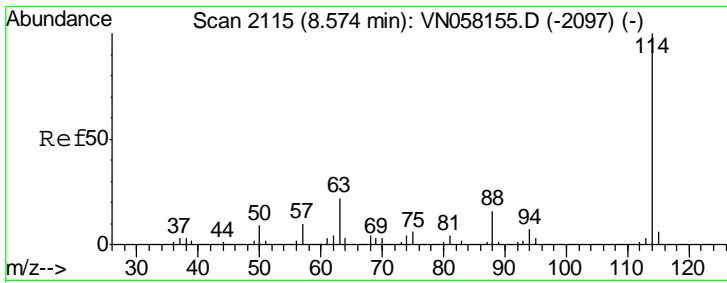
Tgt Ion	Resp	Lower	Upper
168	100		
99	62.5	47.4	71.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.187 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.7	0.0	103.4

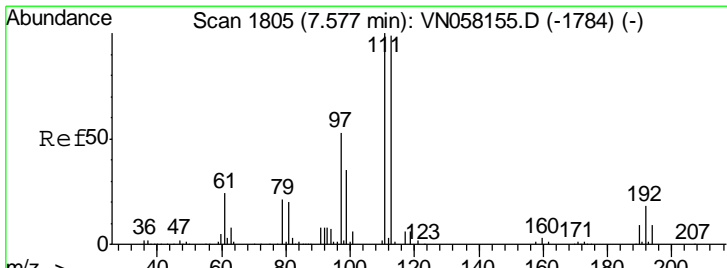
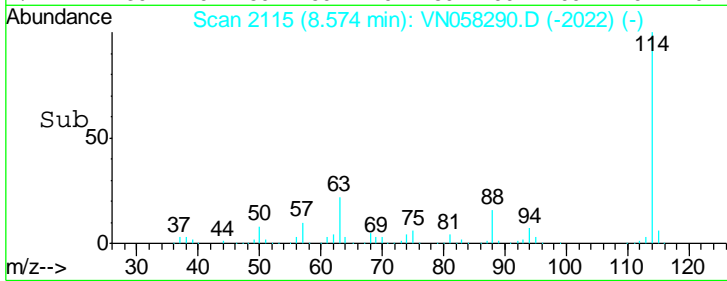
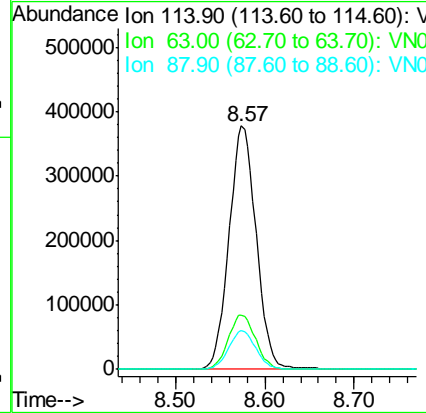
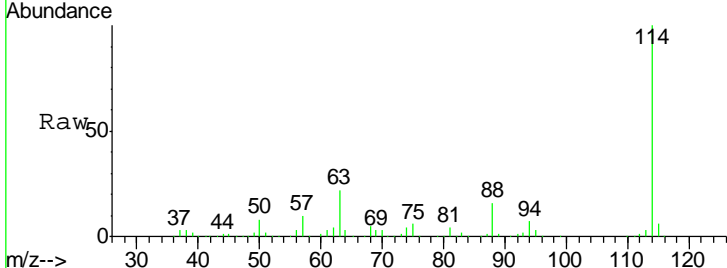




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

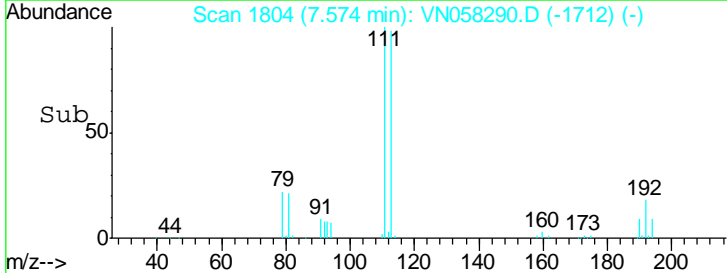
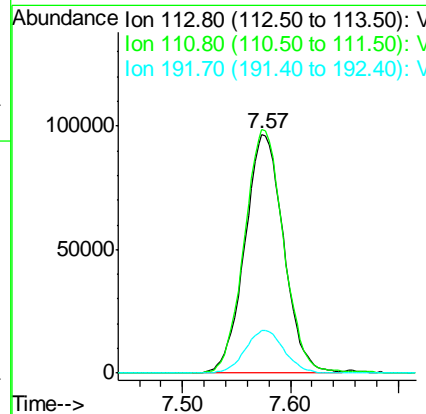
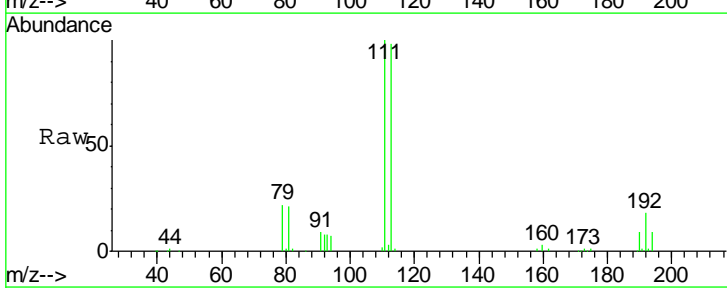
Instrument : MSVOA_N
 ClientSampleId : 984-S-4-(19)MEDL

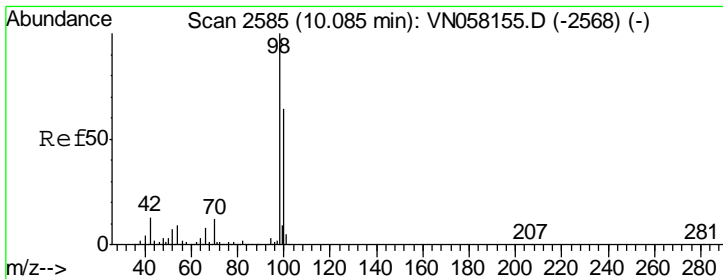
Tgt Ion	Resp	Lower	Upper
114	796419		
63	22.5	0.0	44.2
88	16.1	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 49.835 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

Tgt Ion	Resp	Lower	Upper
113	241279		
111	103.3	81.8	122.6
192	18.0	14.5	21.7

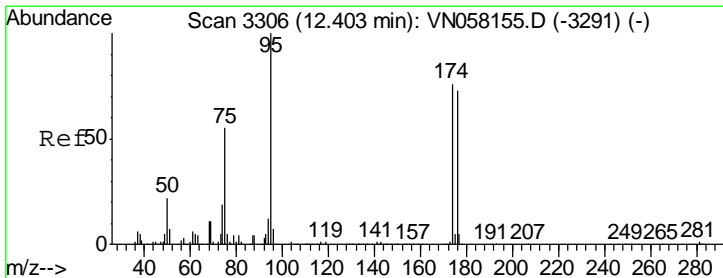
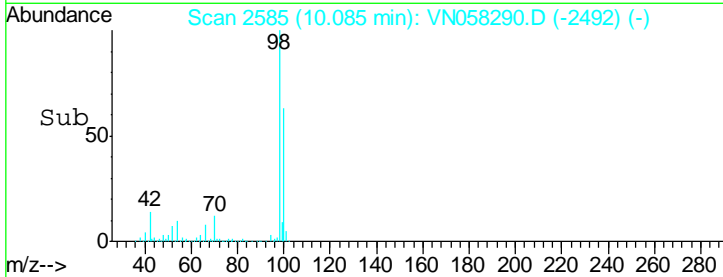
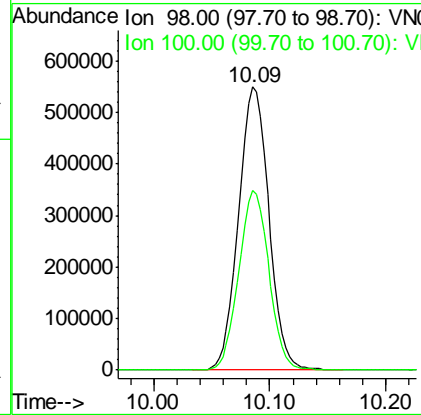
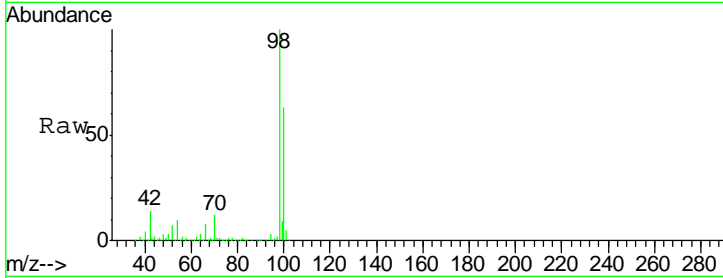




#50
 Toluene-d8
 Concen: 52.845 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

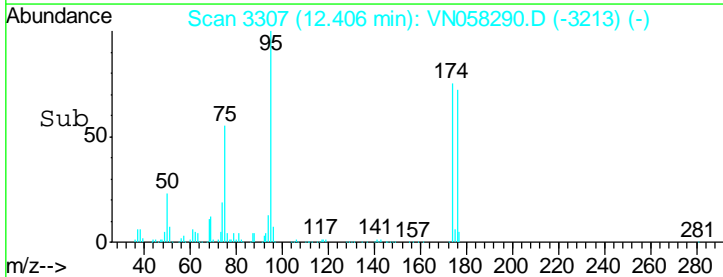
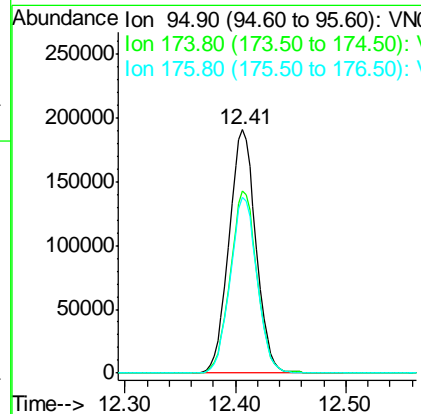
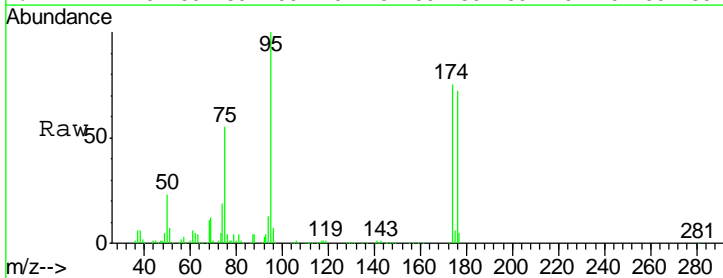
Instrument :
 MSVOA_N
 ClientSampled :
 984-S-4-(19)MEDL

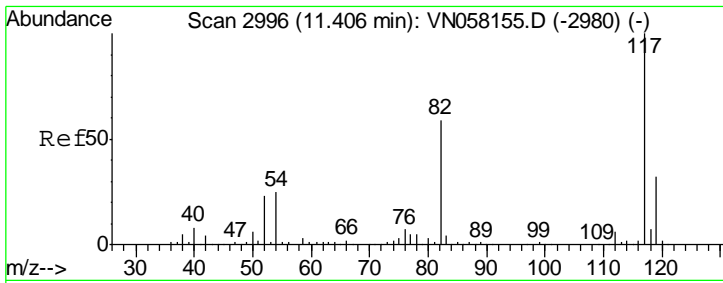
Tgt Ion	Resp	Lower	Upper
98	996864		
100	63.0	51.1	76.7



#62
 4-Bromofluorobenzene
 Concen: 46.230 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

Tgt Ion	Resp	Lower	Upper
95	323940		
174	74.3	0.0	152.2
176	71.9	0.0	148.0

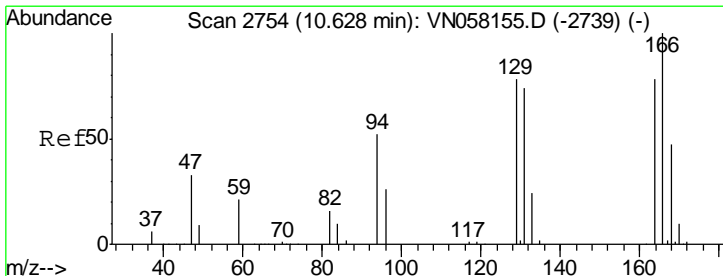
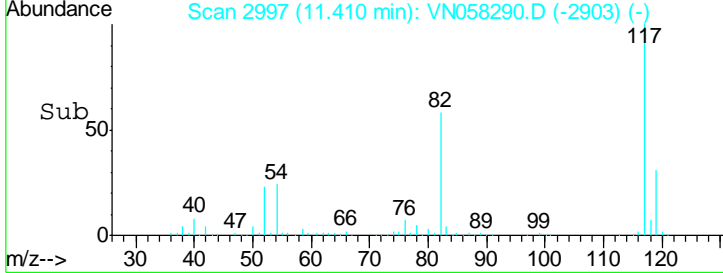
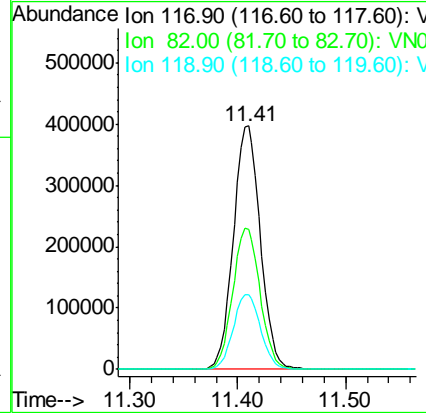
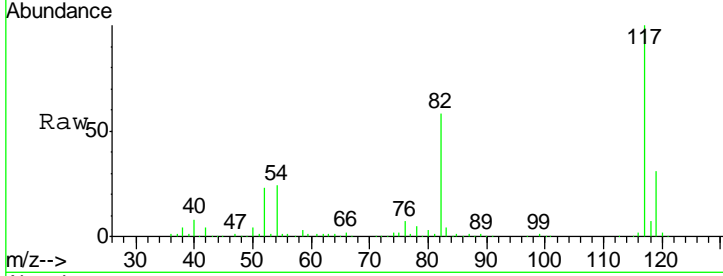




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

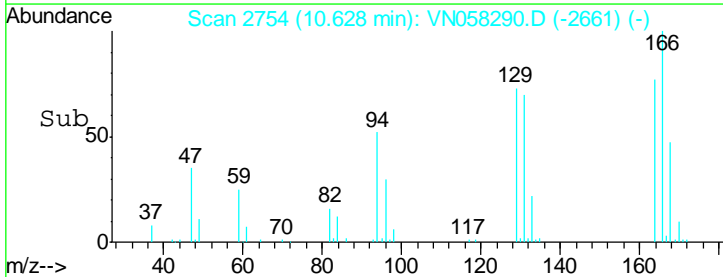
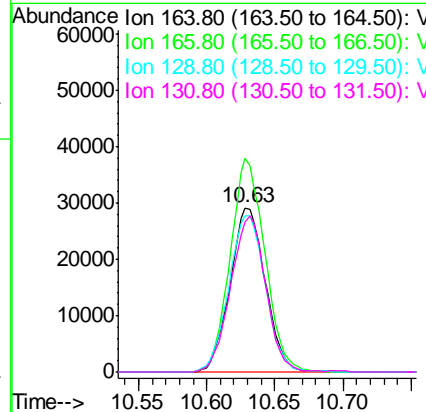
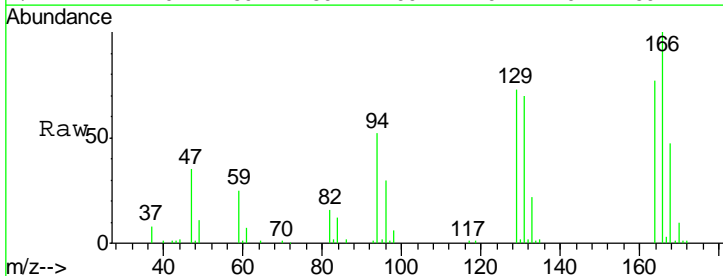
Instrument : MSVOA_N
 ClientSampleId : 984-S-4-(19)MEDL

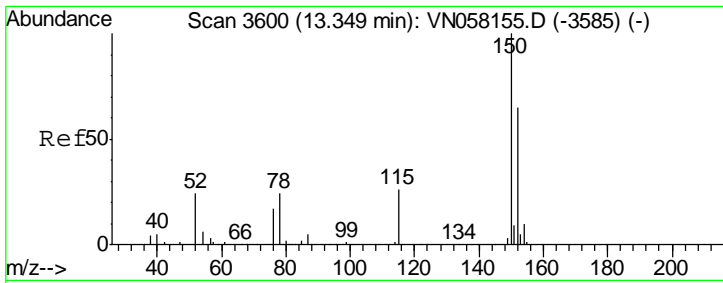
Tgt Ion	Resp	Lower	Upper
117	688082		
82	57.6	46.9	70.3
119	30.8	25.3	37.9



#64
 Tetrachloroethene
 Concen: 15.633 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

Tgt Ion	Resp	Lower	Upper
164	52438		
166	129.9	102.2	153.4
129	95.3	79.6	119.4
131	91.2	76.0	114.0

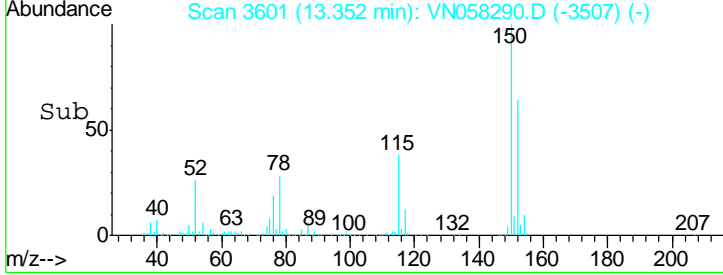
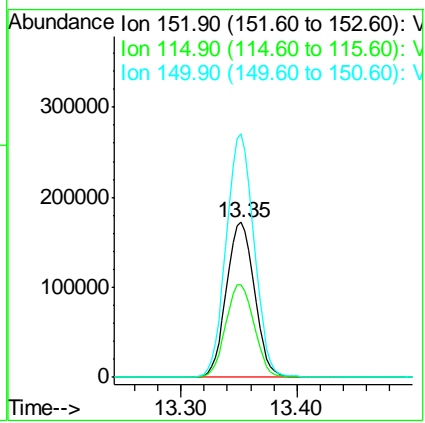
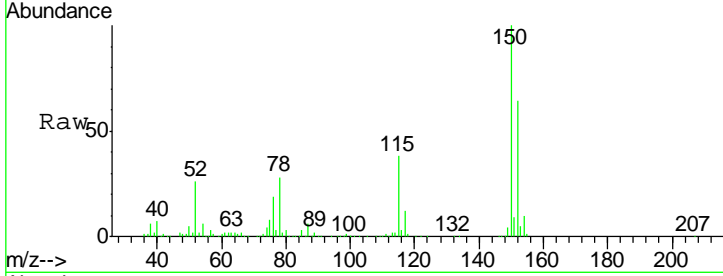




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

Instrument : MSVOA_N
 ClientSampleId : 984-S-4-(19)MEDL

Tot Ion	Resp	Lower	Upper
152	100		
115	60.8	30.1	90.3
150	155.9	0.0	346.4



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	985-S-5-(19)	SDG No.:	K4939
Lab Sample ID:	K4939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.7
Sample Wt/Vol:	6.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013212.D	1		09/21/19 04:48	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.20	U	0.77	4.20	ug/Kg
74-87-3	Chloromethane	4.20	U	1.50	4.20	ug/Kg
75-01-4	Vinyl Chloride	4.20	U	0.94	4.20	ug/Kg
74-83-9	Bromomethane	4.20	U	0.32	4.20	ug/Kg
75-00-3	Chloroethane	4.20	U	0.48	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	4.20	U	0.54	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.20	U	0.68	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	4.20	U	0.84	4.20	ug/Kg
67-64-1	Acetone	8.00	J	6.50	21.1	ug/Kg
75-15-0	Carbon Disulfide	1.20	J	0.90	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.20	U	1.20	4.20	ug/Kg
79-20-9	Methyl Acetate	4.20	U	2.40	4.20	ug/Kg
75-09-2	Methylene Chloride	8.40	U	4.40	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.20	U	1.10	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	4.20	U	0.77	4.20	ug/Kg
110-82-7	Cyclohexane	4.20	U	1.50	4.20	ug/Kg
78-93-3	2-Butanone	21.1	U	5.60	21.1	ug/Kg
56-23-5	Carbon Tetrachloride	4.20	U	0.70	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	32.4		0.83	4.20	ug/Kg
74-97-5	Bromochloromethane	4.20	U	1.00	4.20	ug/Kg
67-66-3	Chloroform	4.20	U	0.73	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.20	U	0.89	4.20	ug/Kg
108-87-2	Methylcyclohexane	4.20	U	0.99	4.20	ug/Kg
71-43-2	Benzene	4.20	U	0.71	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	4.20	U	1.00	4.20	ug/Kg
79-01-6	Trichloroethene	22.6		0.79	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	4.20	U	1.10	4.20	ug/Kg
75-27-4	Bromodichloromethane	4.20	U	0.84	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	21.1	U	4.70	21.1	ug/Kg
108-88-3	Toluene	4.20	U	0.82	4.20	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.20	U	0.85	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.20	U	0.90	4.20	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	985-S-5-(19)	SDG No.:	K4939
Lab Sample ID:	K4939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.7
Sample Wt/Vol:	6.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013212.D	1		09/21/19 04:48	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4.20	U	1.20	4.20	ug/Kg
591-78-6	2-Hexanone	21.1	U	6.20	21.1	ug/Kg
124-48-1	Dibromochloromethane	4.20	U	1.10	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	4.20	U	1.10	4.20	ug/Kg
127-18-4	Tetrachloroethene	6000	E	0.59	4.20	ug/Kg
108-90-7	Chlorobenzene	4.20	U	0.66	4.20	ug/Kg
100-41-4	Ethyl Benzene	4.20	U	0.72	4.20	ug/Kg
179601-23-1	m/p-Xylenes	8.40	U	1.40	8.40	ug/Kg
95-47-6	o-Xylene	4.20	U	0.92	4.20	ug/Kg
100-42-5	Styrene	4.20	U	0.84	4.20	ug/Kg
75-25-2	Bromoform	4.20	U	2.80	4.20	ug/Kg
98-82-8	Isopropylbenzene	4.20	U	0.73	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.20	U	0.92	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.20	U	0.90	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.20	U	0.89	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.20	U	1.10	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.20	UQ	2.80	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.20	U	0.94	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.20	U	1.10	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		56 - 120	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	50.0		67 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7		33 - 141	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	388000	7.95			
540-36-3	1,4-Difluorobenzene	591000	8.84			
3114-55-4	Chlorobenzene-d5	472000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.55			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013212.D
 Acq On : 21 Sep 2019 04:48
 Operator : SY/VA
 Sample : K4939-06
 Misc : 6.36G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 985-S-5-(19)

Manual Integrations
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 MMDadoda
 9/24/2019 5:29:06 AM

Quant Time: Sep 21 06:28:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	387844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	591358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	471620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	145960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	167711	52.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		105.96%
35) Dibromofluoromethane	7.88	113	164851	50.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		101.36%
50) Toluene-d8	10.32	98	680110	49.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		99.92%
62) 4-Bromofluorobenzene	12.62	95	184559	39.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		79.38%

Target Compounds

						Qvalue
16) Acetone	4.14	43	6745	9.449	ug/l	99
17) Carbon Disulfide	4.37	76	15309	1.470	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	158214	38.484	ug/l	93
44) Trichloroethene	9.09	130	120001	26.771	ug/l	95
64) Tetrachloroethene	10.86	164	25636205m	7164.261	ug/l	

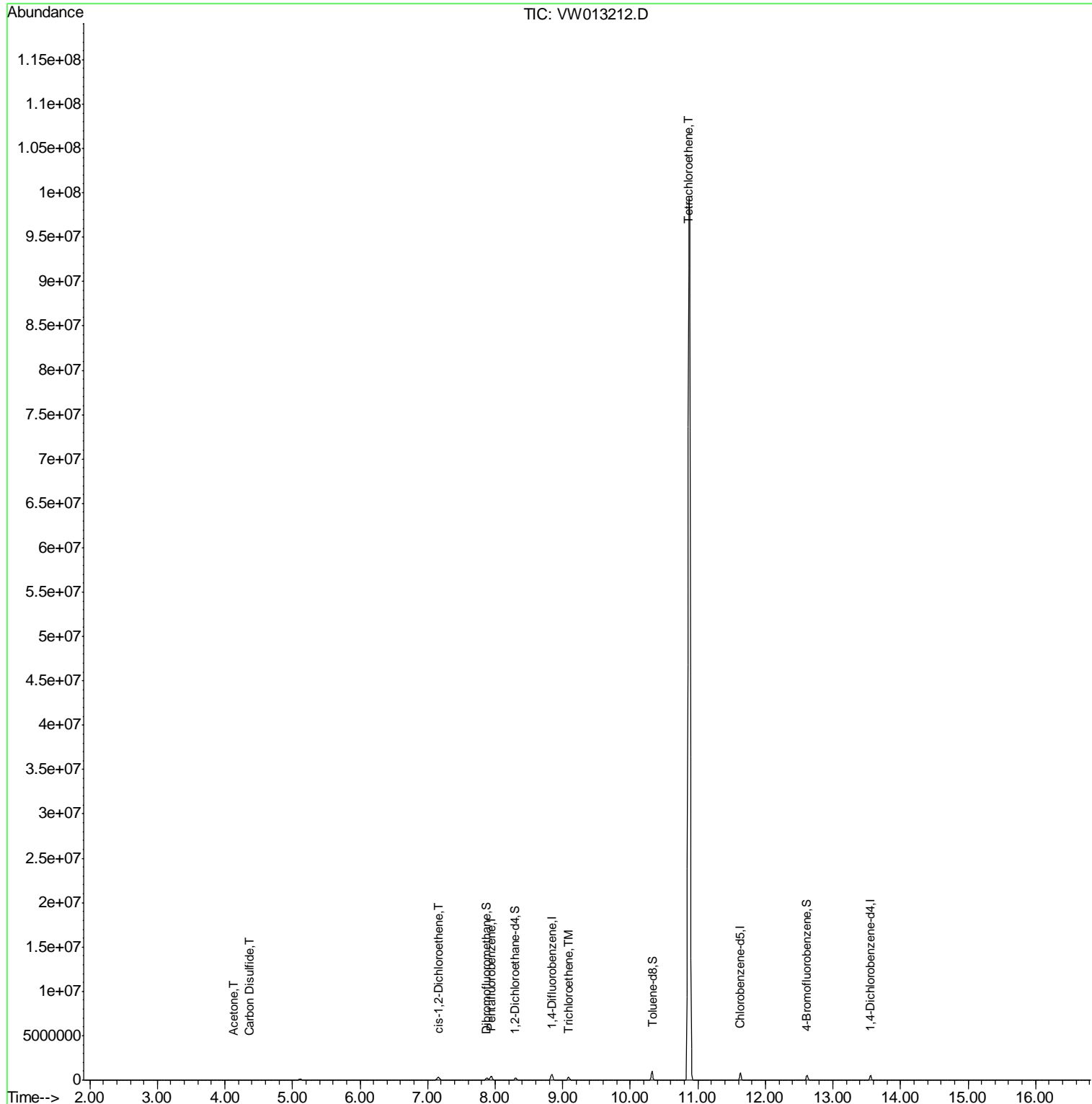
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013212.D
 Acq On : 21 Sep 2019 04:48
 Operator : SY/VA
 Sample : K4939-06
 Misc : 6.36G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

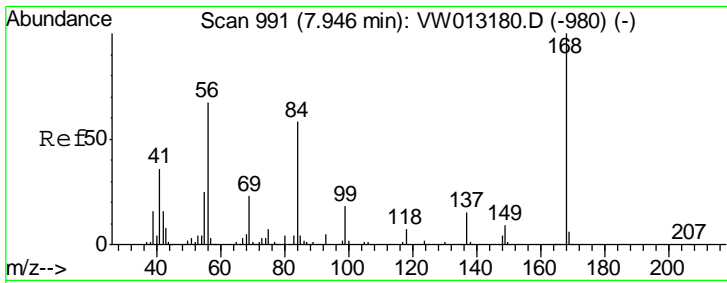
Instrument :
 MSVOA_W
ClientSampled :
 985-S-5-(19)

Manual Integrations
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 9/24/2019 5:29:06 AM

Quant Time: Sep 21 06:28:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



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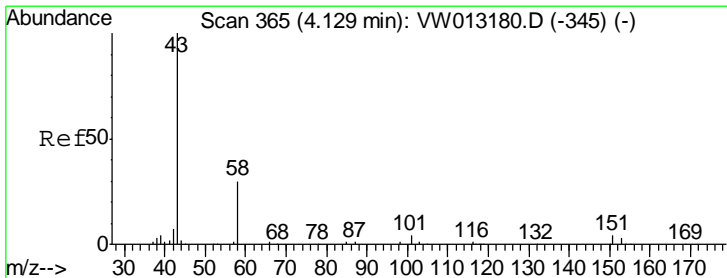
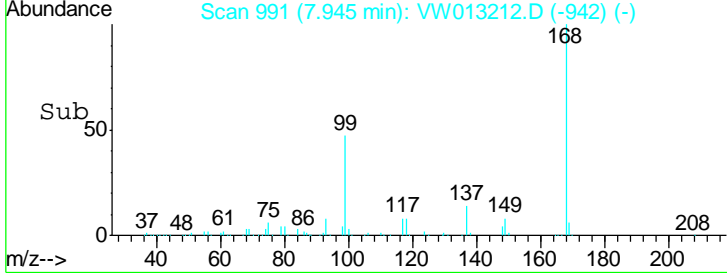
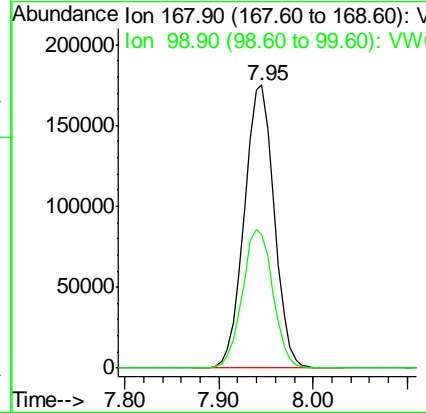
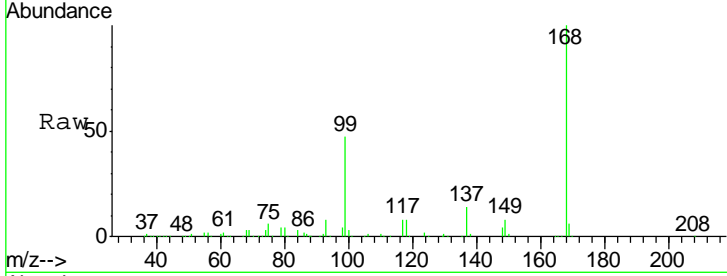


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

Tgt Ion	Resp	Lower	Upper
168	100		
99	47.0	40.2	60.4

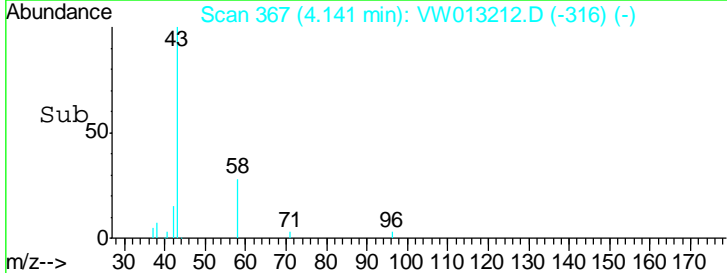
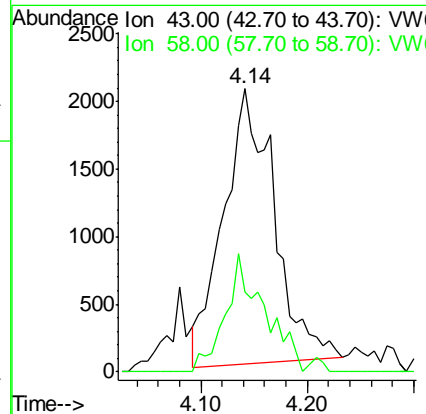
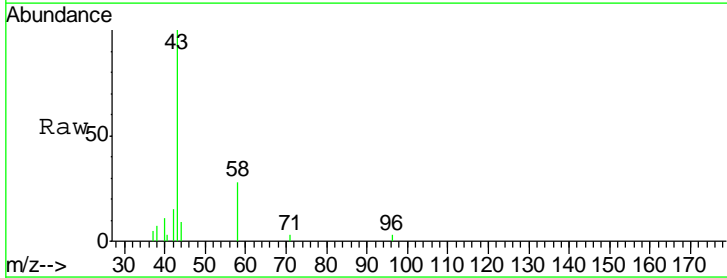
Instrument : MSVOA_W
 Client Sampled : 985-S-5-(19)

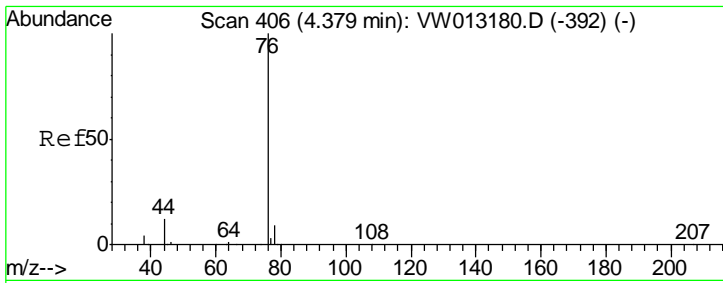
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:29:06 AM



#16
 Acetone
 Concen: 9.449 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

Tgt Ion	Resp	Lower	Upper
43	100		
58	29.6	24.1	36.1



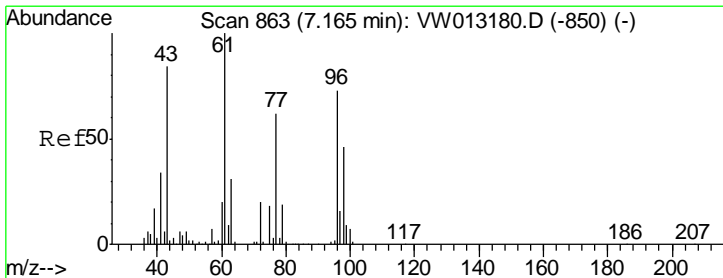
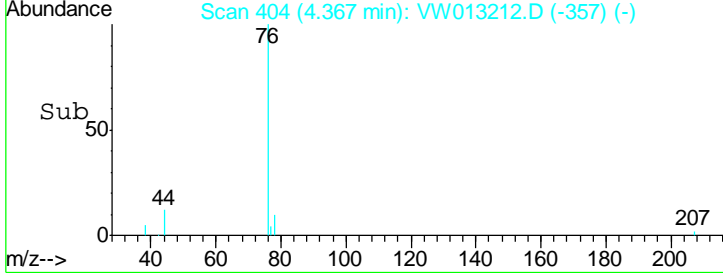
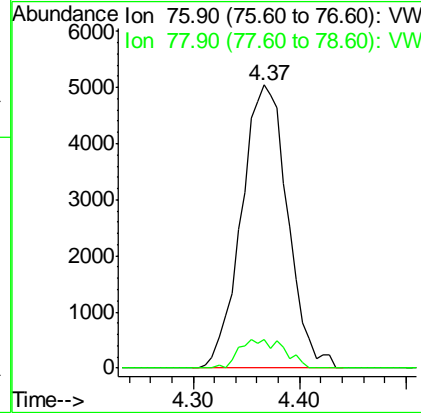
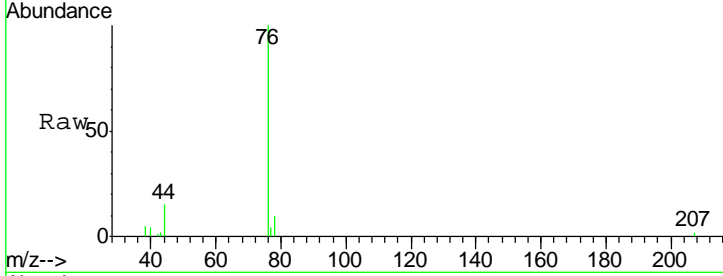


#17
 Carbon Disulfide
 Concen: 1.470 ug/l
 RT: 4.37 min Scan# 404
 Delta R.T. -0.01 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

Tgt Ion	Resp	Lower	Upper
76	15309		
76	100		
78	10.2	7.0	10.4

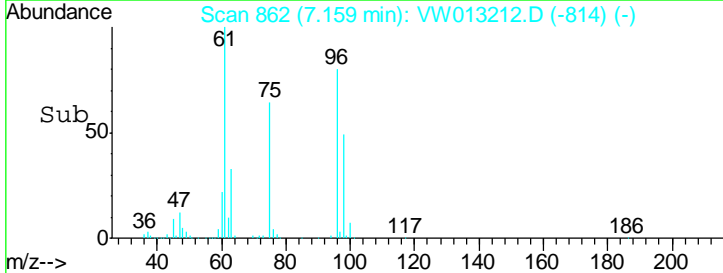
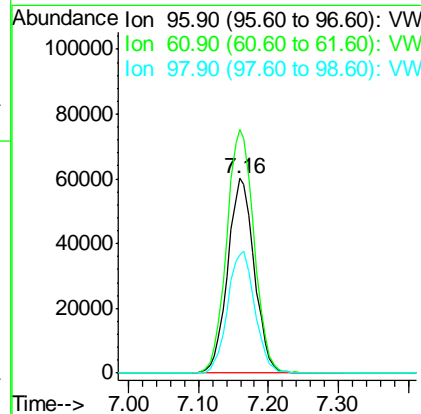
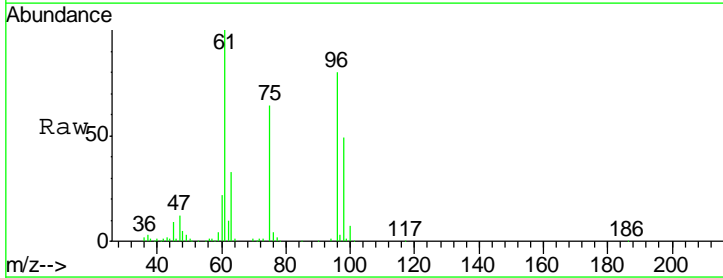
Instrument : MSVOA_W
 Client Sampled : 985-S-5-(19)

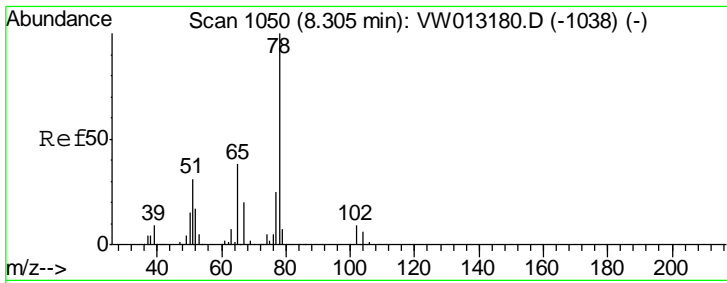
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:29:06 AM



#27
 cis-1,2-Dichloroethene
 Concen: 38.484 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

Tgt Ion	Resp	Lower	Upper
96	158214		
96	100		
61	129.3	0.0	282.4
98	63.8	0.0	128.2





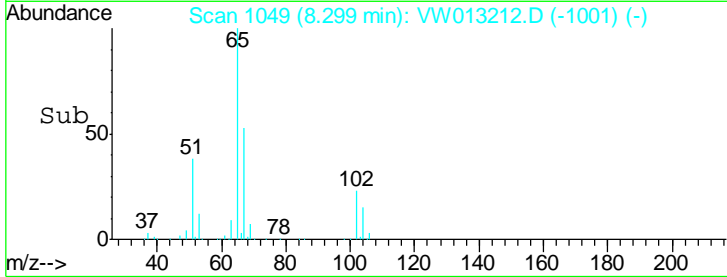
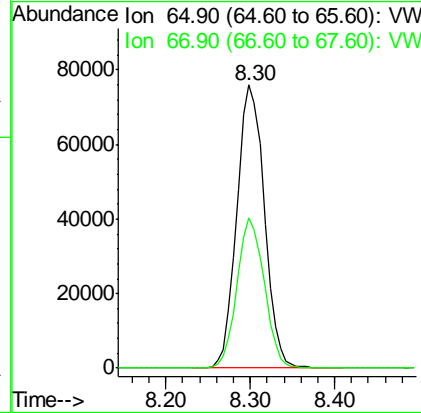
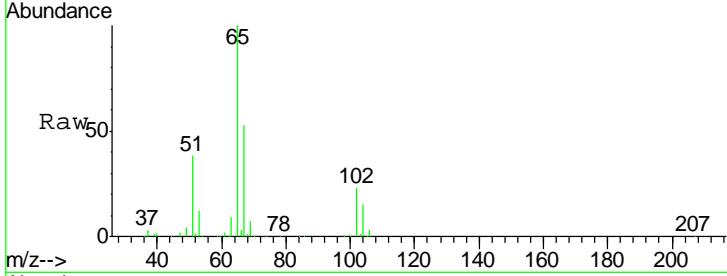
#33
 1,2-Dichloroethane-d4
 Concen: 52.983 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

Instrument : MSVOA_W
 ClientSampled : 985-S-5-(19)

Tgt Ion	Resp	Lower	Upper
65	167711		
65	100		
67	52.7	0.0	106.2

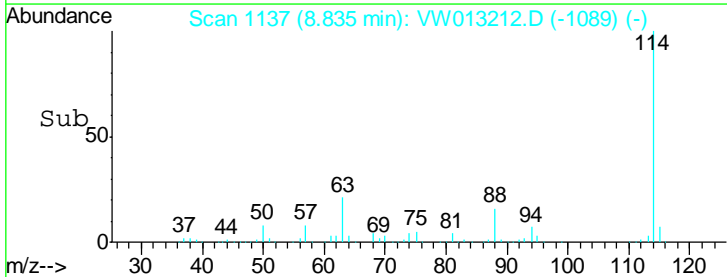
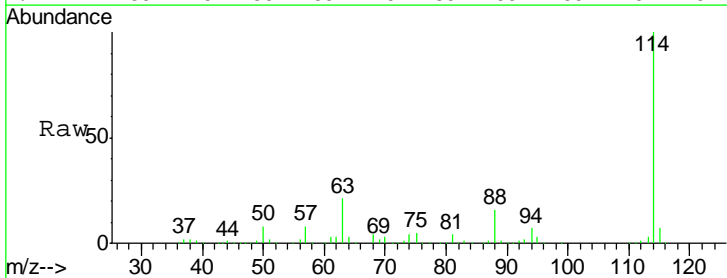
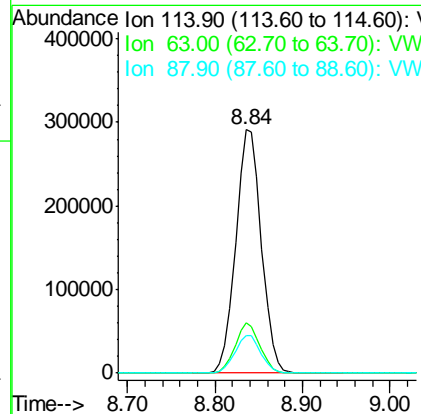
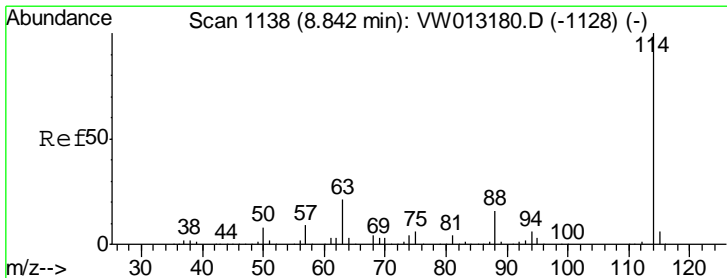
Manual Integrations
 APPROVED

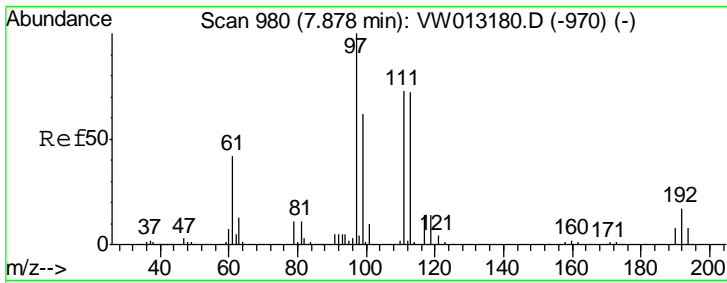
MMDadoda
 9/24/2019 5:29:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

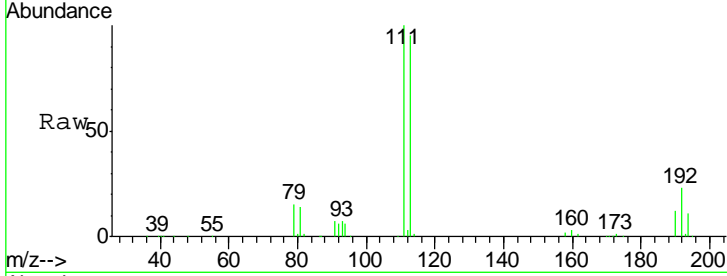
Tgt Ion	Resp	Lower	Upper
114	591358		
114	100		
63	20.7	0.0	41.4
88	15.6	0.0	32.0





#35
 Dibromofluoromethane
 Concen: 50.685 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

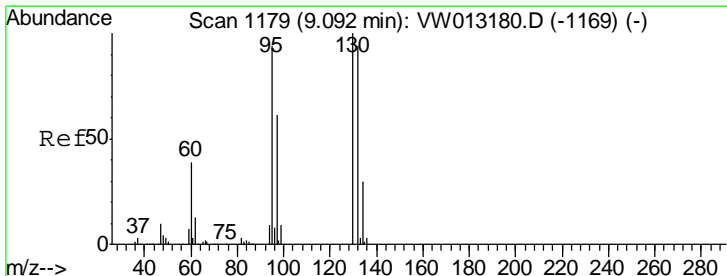
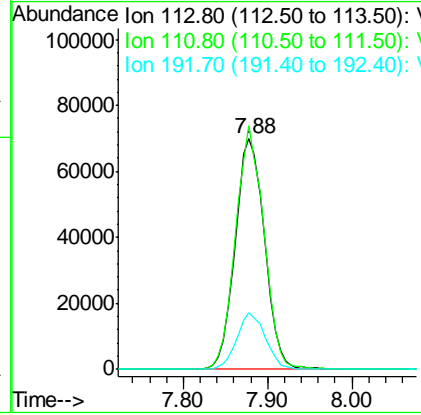
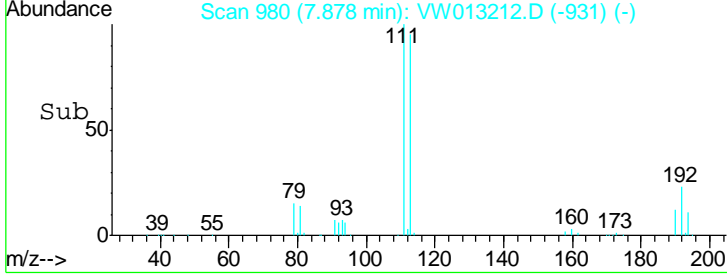
Instrument :
 MSVOA_W
 ClientSampled :
 985-S-5-(19)



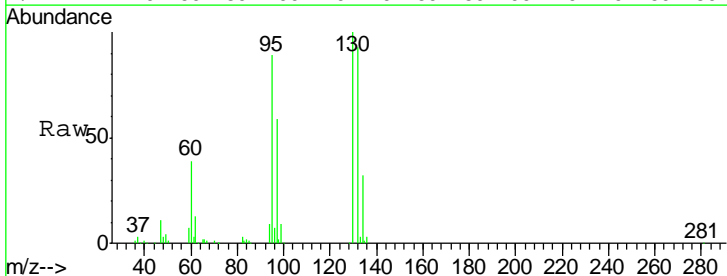
Tgt Ion:113 Resp: 164851

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.9	122.9
192	23.9	19.1	28.7

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:29:06 AM

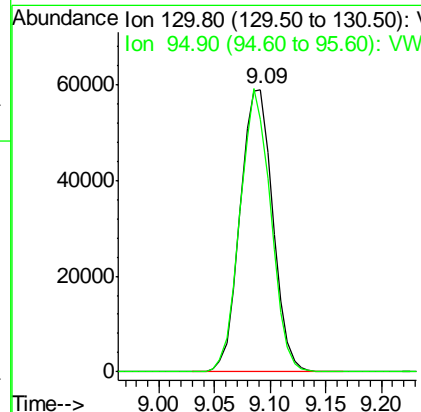
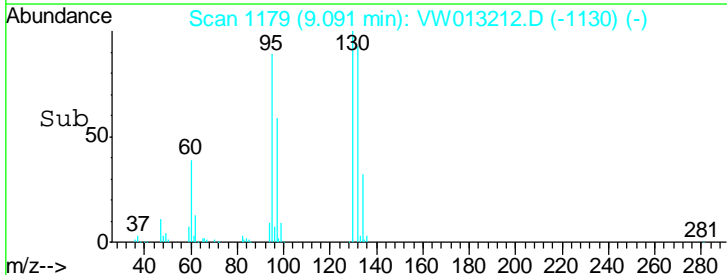


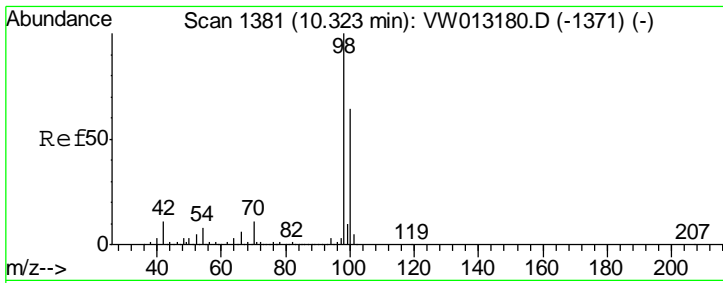
#44
 Trichloroethene
 Concen: 26.771 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48



Tgt Ion:130 Resp: 120001

Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	188.0



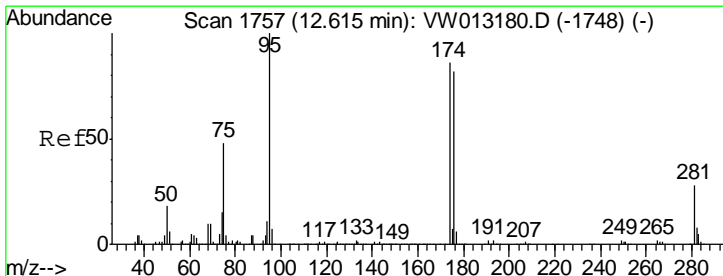
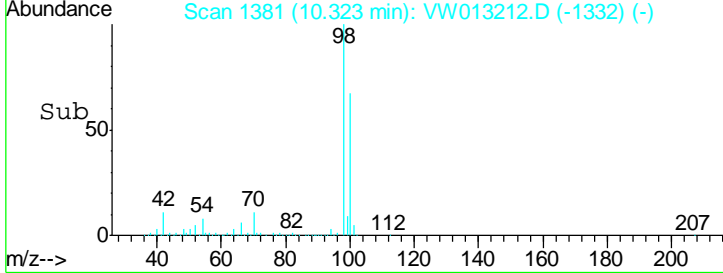
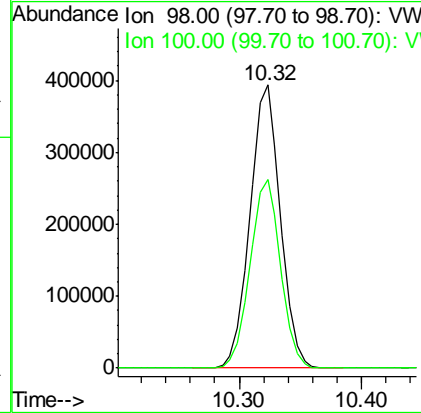
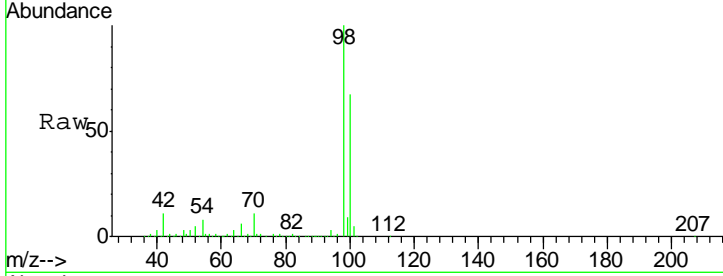


#50
 Toluene-d8
 Concen: 49.964 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

Instrument :
 MSVOA_W
 ClientSampled :
 985-S-5-(19)

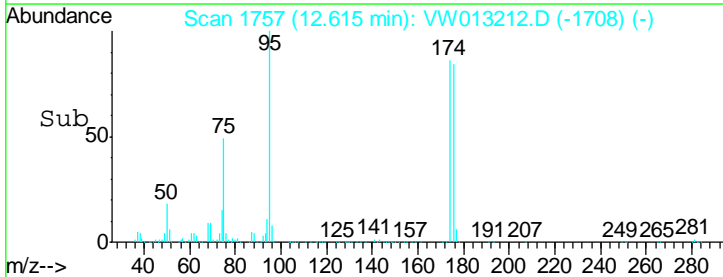
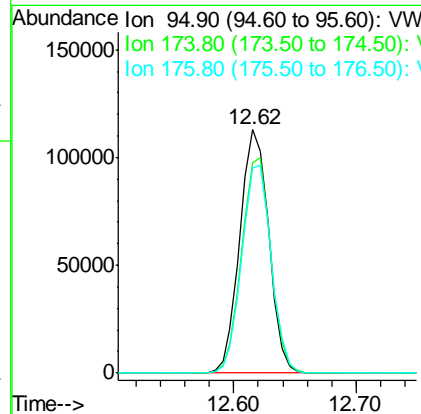
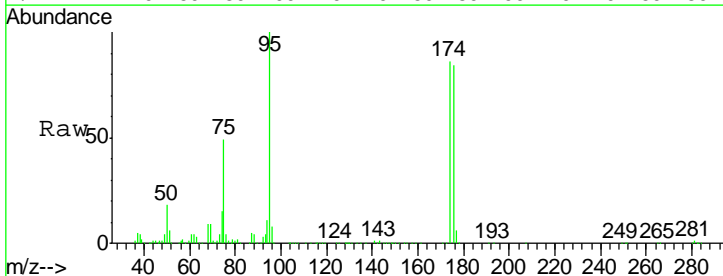
Tgt Ion	Resp	Lower	Upper
98	680110		
98	100		
100	66.9	52.9	79.3

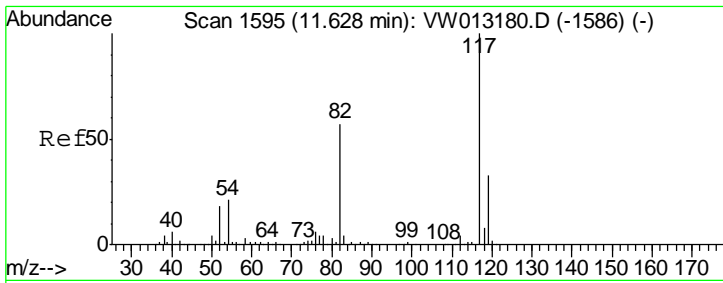
Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:29:06 AM



#62
 4-Bromofluorobenzene
 Concen: 39.692 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

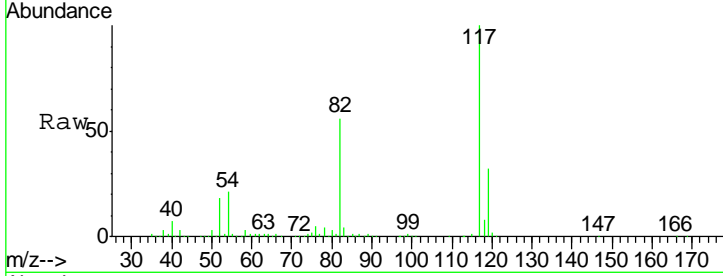
Tgt Ion	Resp	Lower	Upper
95	184559		
95	100		
174	89.4	0.0	178.4
176	87.1	0.0	172.2





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

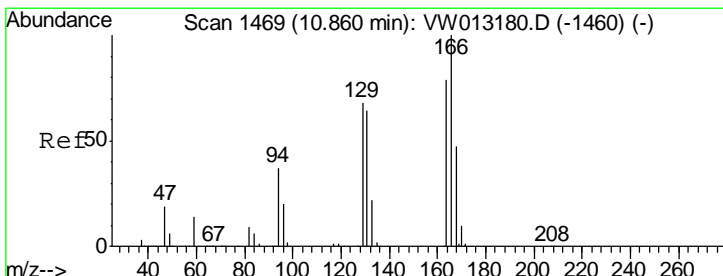
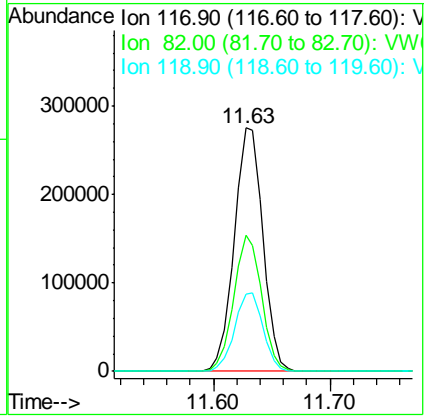
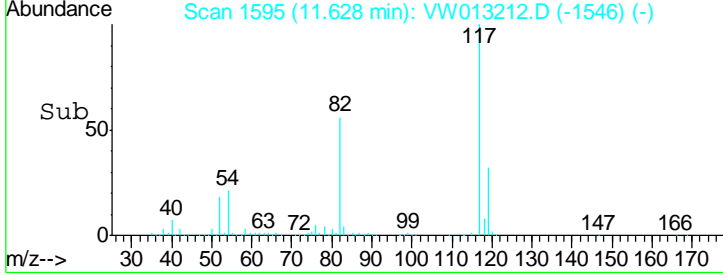
Instrument :
 MSVOA_W
 Client Sampled :
 985-S-5-(19)



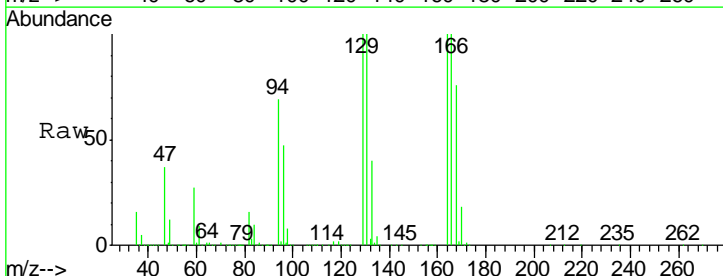
Tgt Ion: 117 Resp: 471620

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.9	68.9
119	31.6	26.2	39.2

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:29:06 AM

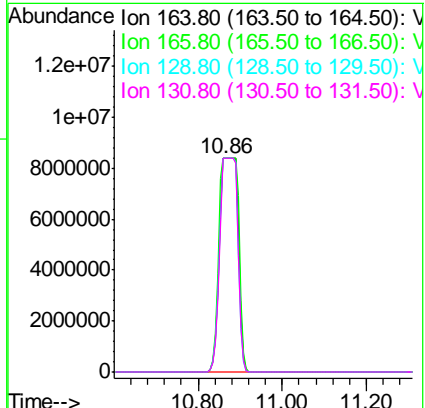
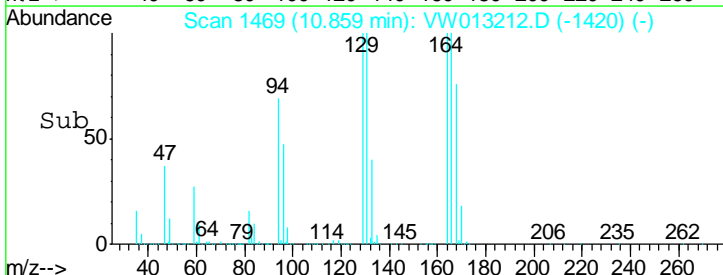


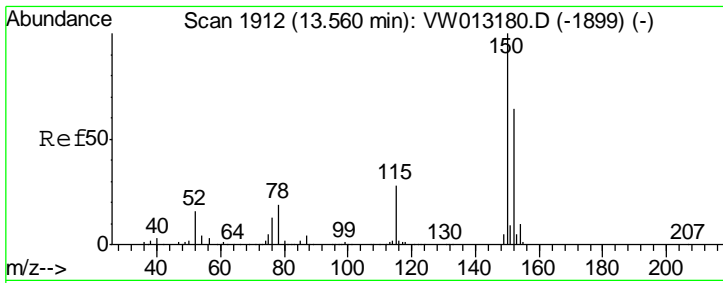
#64
 Tetrachloroethene
 Concen: 7164.261 ug/l m
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48



Tgt Ion: 164 Resp: 25636205

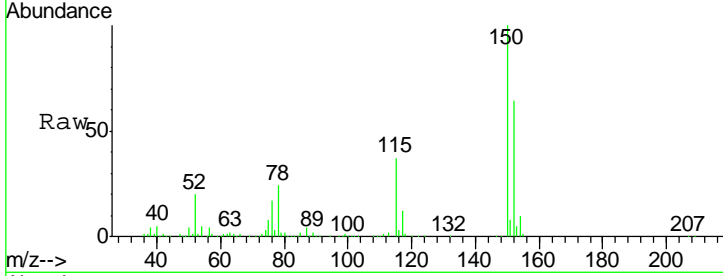
Ion	Ratio	Lower	Upper
164	100		
166	100.0	101.2	151.8#
129	100.0	68.8	103.2
131	100.0	65.2	97.8#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013212.D
 Acq: 21 Sep 2019 04:48

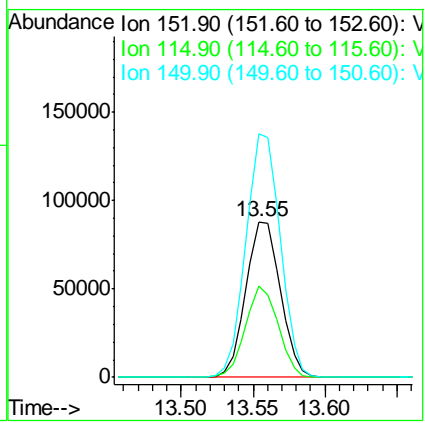
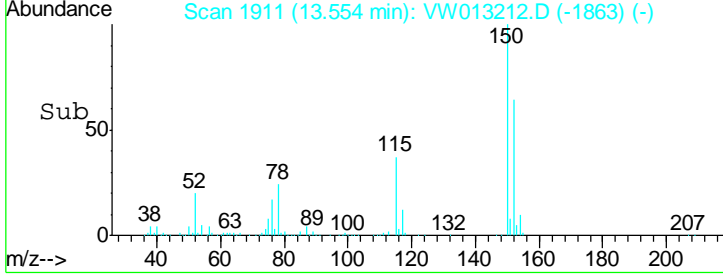
Instrument :
 MSVOA_W
 ClientSampleId :
 985-S-5-(19)



Tot Ion: 152 Resp: 145960

Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.3	81.9
150	156.1	0.0	349.0

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:29:06 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013212.D
 Acq On : 21 Sep 2019 04:48
 Operator : SY/VA
 Sample : K4939-06
 Misc : 6.36G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 985-S-5-(19)

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.872	1460	1471	1489	rBV2	99281725	238570928	100.00%	100.000%

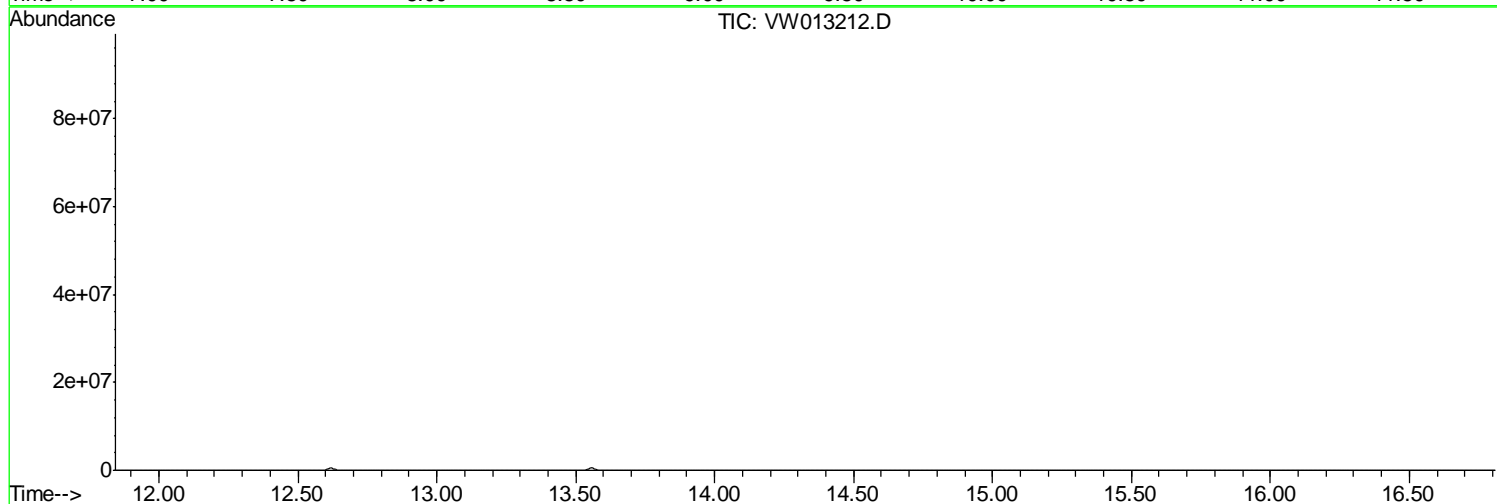
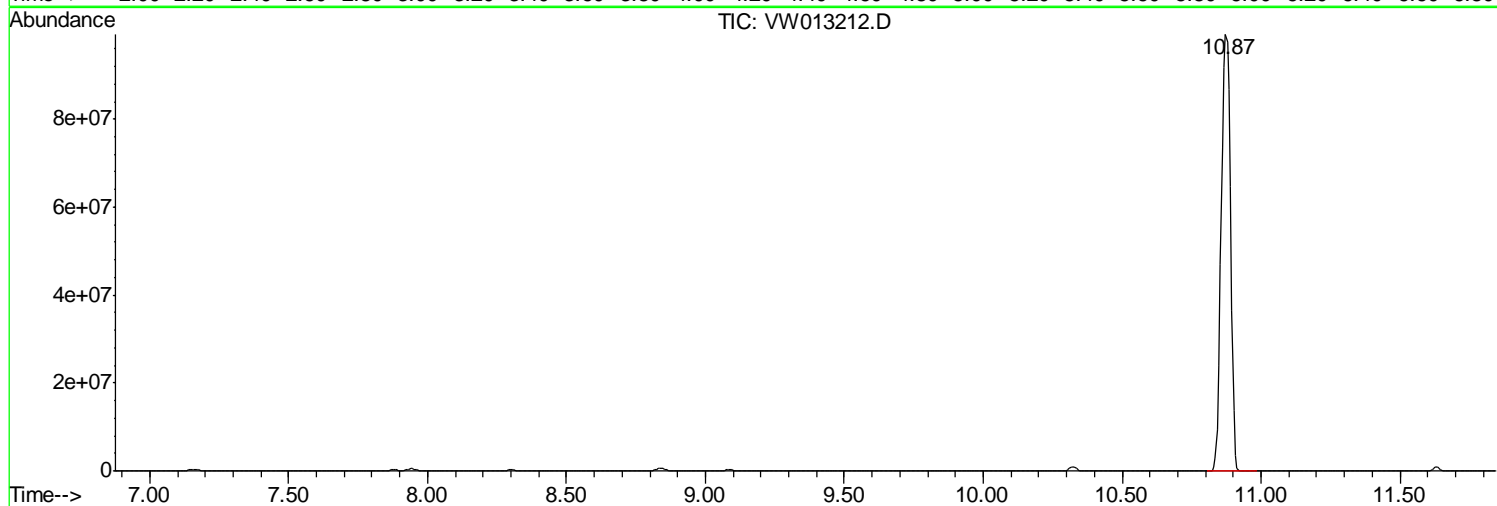
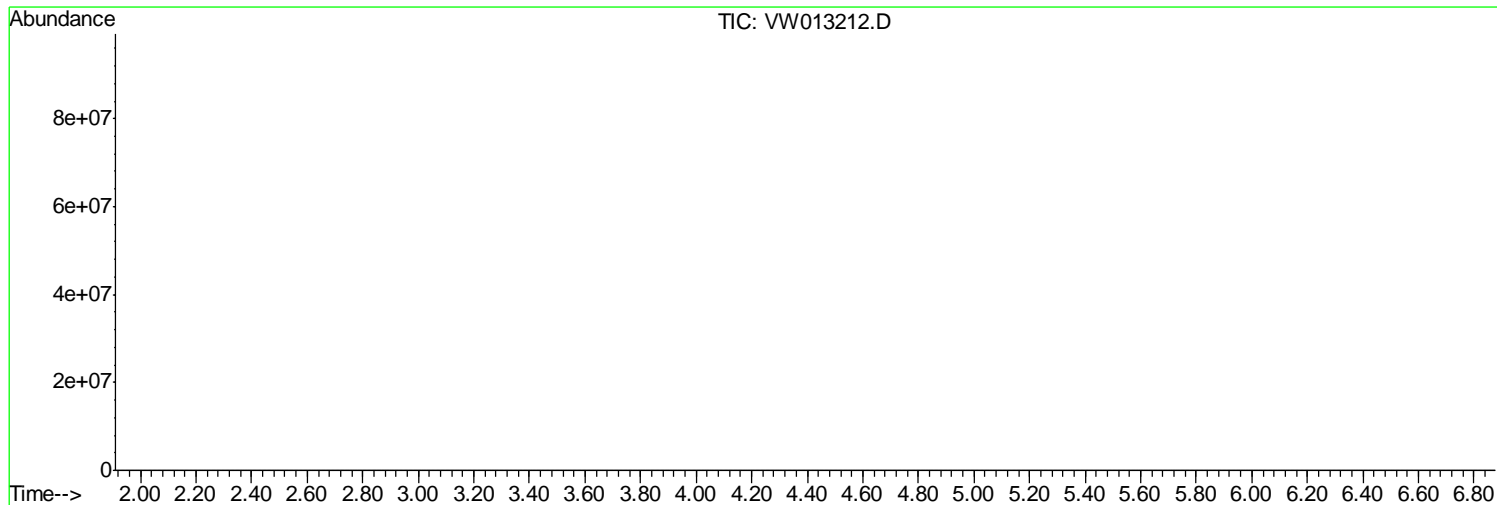
Sum of corrected areas: 238570928

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013212.D
Acq On : 21 Sep 2019 04:48
Operator : SY/VA
Sample : K4939-06
Misc : 6.36G/5ML/MSVOA W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
985-S-5-(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
Data File : VW013212.D
Acq On : 21 Sep 2019 04:48
Operator : SY/VA
Sample : K4939-06
Misc : 6.36G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
985-S-5-(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

- 1
- 2
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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	985-S-5-(19)ME	SDG No.:	K4939
Lab Sample ID:	K4939-06ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.7
Sample Wt/Vol:	6.22 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058291.D	10		09/23/19 14:45	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4300	UD	780	4300	ug/Kg
74-87-3	Chloromethane	4300	UD	1500	4300	ug/Kg
75-01-4	Vinyl Chloride	4300	UD	960	4300	ug/Kg
74-83-9	Bromomethane	4300	UD	330	4300	ug/Kg
75-00-3	Chloroethane	4300	UD	500	4300	ug/Kg
75-69-4	Trichlorofluoromethane	4300	UD	560	4300	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4300	UD	690	4300	ug/Kg
75-35-4	1,1-Dichloroethene	4300	UD	850	4300	ug/Kg
67-64-1	Acetone	21500	UD	6600	21500	ug/Kg
75-15-0	Carbon Disulfide	4300	UD	920	4300	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4300	UD	1200	4300	ug/Kg
79-20-9	Methyl Acetate	4300	UD	2400	4300	ug/Kg
75-09-2	Methylene Chloride	8600	UD	4500	8600	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4300	UD	1100	4300	ug/Kg
75-34-3	1,1-Dichloroethane	4300	UD	780	4300	ug/Kg
110-82-7	Cyclohexane	4300	UD	1500	4300	ug/Kg
78-93-3	2-Butanone	21500	UD	5700	21500	ug/Kg
56-23-5	Carbon Tetrachloride	4300	UD	710	4300	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4300	UD	850	4300	ug/Kg
74-97-5	Bromochloromethane	4300	UD	1000	4300	ug/Kg
67-66-3	Chloroform	4300	UD	740	4300	ug/Kg
71-55-6	1,1,1-Trichloroethane	4300	UD	910	4300	ug/Kg
108-87-2	Methylcyclohexane	4300	UD	1000	4300	ug/Kg
71-43-2	Benzene	4300	UD	720	4300	ug/Kg
107-06-2	1,2-Dichloroethane	4300	UD	1000	4300	ug/Kg
79-01-6	Trichloroethene	4300	UD	800	4300	ug/Kg
78-87-5	1,2-Dichloropropane	4300	UD	1100	4300	ug/Kg
75-27-4	Bromodichloromethane	4300	UD	860	4300	ug/Kg
108-10-1	4-Methyl-2-Pentanone	21500	UD	4800	21500	ug/Kg
108-88-3	Toluene	4300	UD	840	4300	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4300	UD	870	4300	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4300	UD	920	4300	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	985-S-5-(19)ME	SDG No.:	K4939
Lab Sample ID:	K4939-06ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.7
Sample Wt/Vol:	6.22 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058291.D	10		09/23/19 14:45	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4300	UD	1200	4300	ug/Kg
591-78-6	2-Hexanone	21500	UD	6400	21500	ug/Kg
124-48-1	Dibromochloromethane	4300	UD	1100	4300	ug/Kg
106-93-4	1,2-Dibromoethane	4300	UD	1100	4300	ug/Kg
127-18-4	Tetrachloroethene	34700	D	600	4300	ug/Kg
108-90-7	Chlorobenzene	4300	UD	680	4300	ug/Kg
100-41-4	Ethyl Benzene	4300	UD	740	4300	ug/Kg
179601-23-1	m/p-Xylenes	8600	UD	1400	8600	ug/Kg
95-47-6	o-Xylene	4300	UD	950	4300	ug/Kg
100-42-5	Styrene	4300	UD	850	4300	ug/Kg
75-25-2	Bromoform	4300	UD	2800	4300	ug/Kg
98-82-8	Isopropylbenzene	4300	UD	750	4300	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4300	UD	940	4300	ug/Kg
541-73-1	1,3-Dichlorobenzene	4300	UD	920	4300	ug/Kg
106-46-7	1,4-Dichlorobenzene	4300	UD	910	4300	ug/Kg
95-50-1	1,2-Dichlorobenzene	4300	UD	1100	4300	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4300	UD	2900	4300	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4300	UD	960	4300	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4300	UD	1100	4300	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		56 - 120	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	53.6		67 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	476000	7.65			
540-36-3	1,4-Difluorobenzene	778000	8.58			
3114-55-4	Chlorobenzene-d5	666000	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	272000	13.35			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	985-S-5-(19)ME	SDG No.:	K4939
Lab Sample ID:	K4939-06ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.7
Sample Wt/Vol:	6.22 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058291.D	10		09/23/19 14:45	VN092319

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058291.D
 Acq On : 23 Sep 2019 14:45
 Operator : JC/SP
 Sample : K4939-06ME 10X
 Misc : 6.22µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 985-S-5-(19)ME

Quant Time: Sep 24 08:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

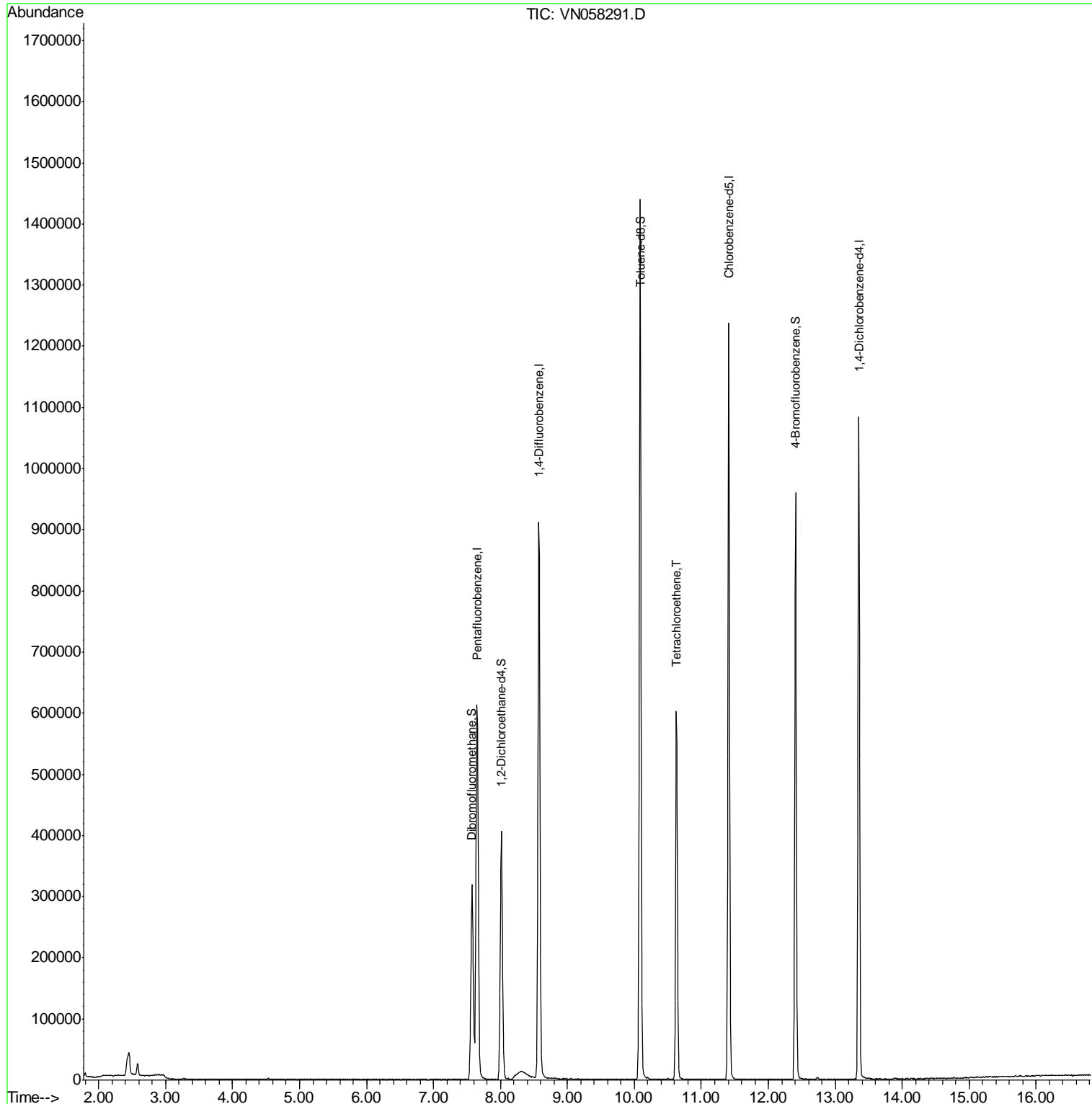
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	475539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	778177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	666475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271938	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	352258	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	7.58	113	240041	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	987128	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
62) 4-Bromofluorobenzene	12.41	95	313910	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
Target Compounds						
64) Tetrachloroethene	10.63	164	130880	40.284	ug/l	Qvalue 98

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

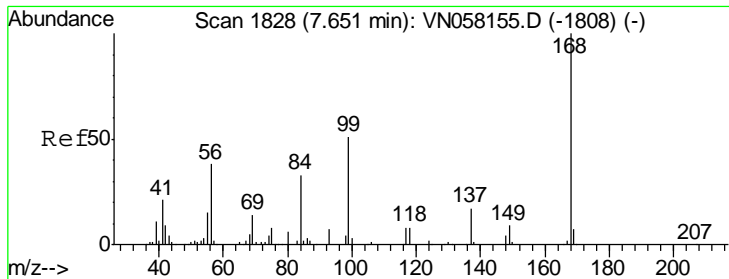
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058291.D
 Acq On : 23 Sep 2019 14:45
 Operator : JC/SP
 Sample : K4939-06ME 10X
 Misc : 6.22µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 985-S-5-(19)ME

Quant Time: Sep 24 08:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration



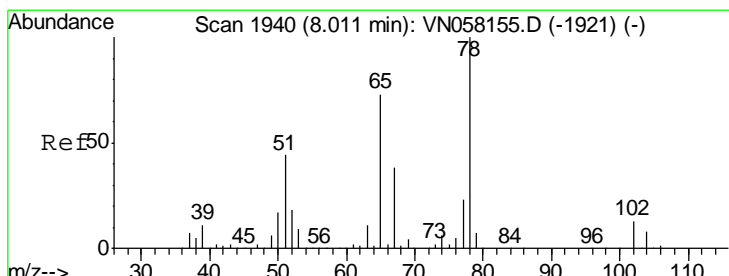
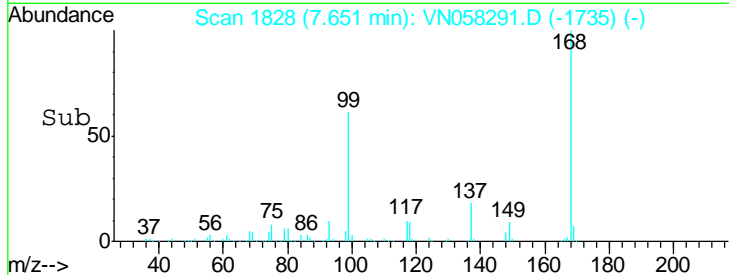
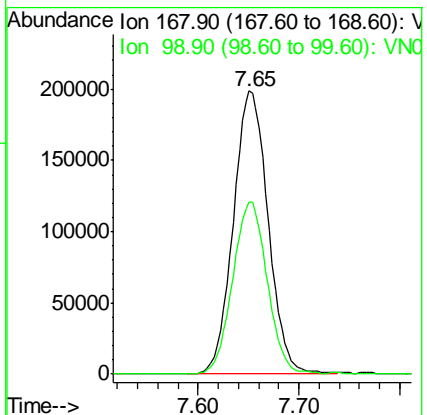
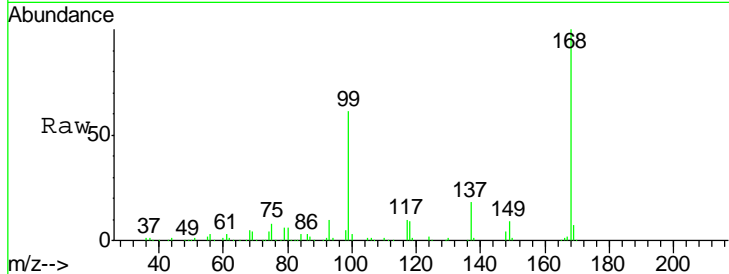
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- 18



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: VN058291.D
 Acq: 23 Sep 2019 14:45

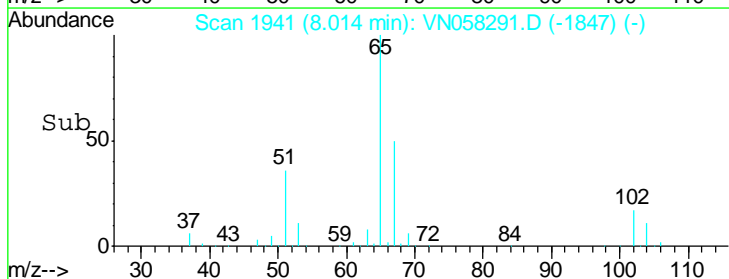
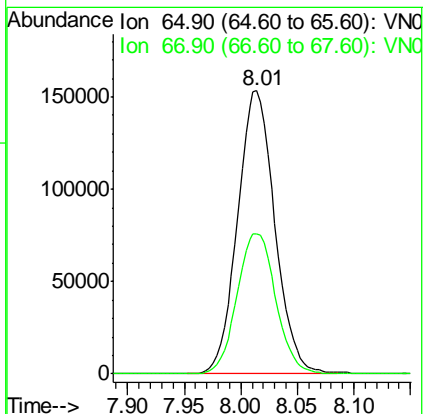
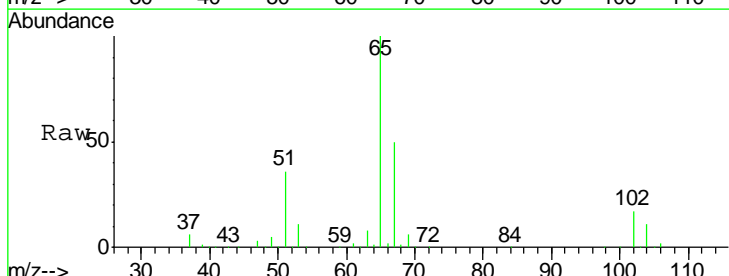
Instrument : MSVOA_N
 ClientSampled : 985-S-5-(19)ME

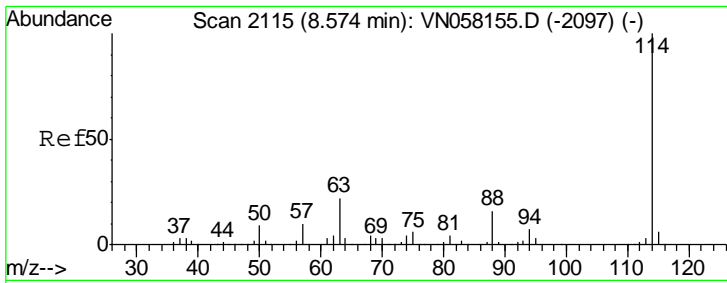
Tgt Ion	Resp	Lower	Upper
168	100		
99	60.7	47.4	71.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.185 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058291.D
 Acq: 23 Sep 2019 14:45

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.3	0.0	103.4

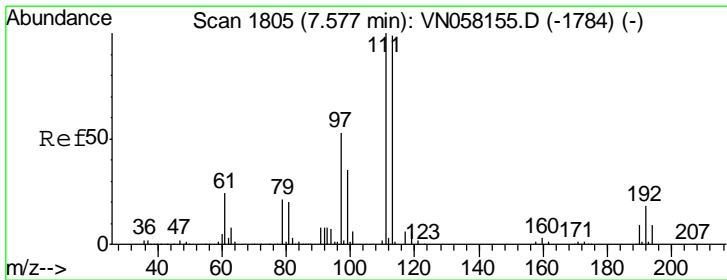
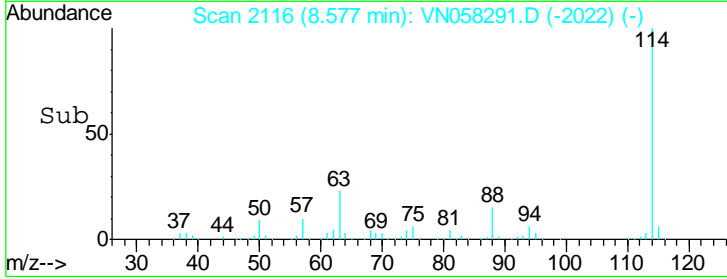
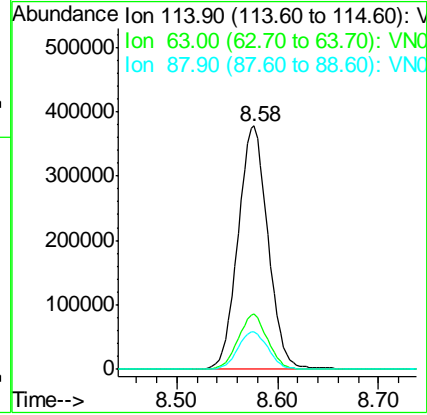
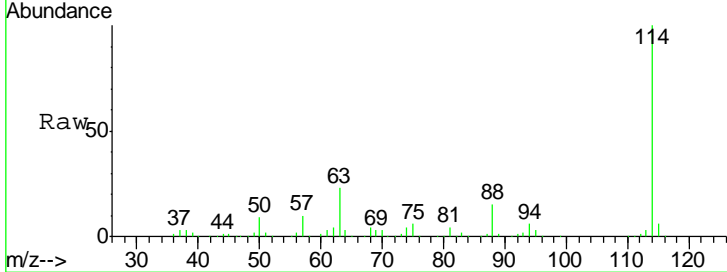




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058291.D
 Acq: 23 Sep 2019 14:45

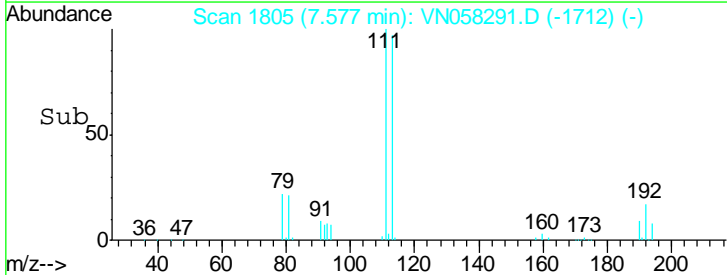
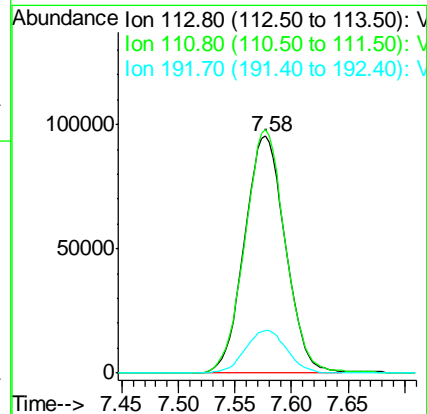
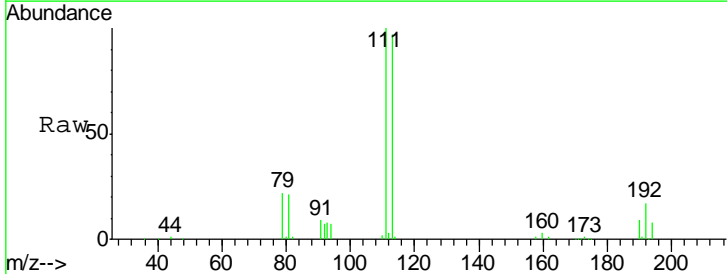
Instrument : MSVOA_N
 ClientSampleId : 985-S-5-(19)ME

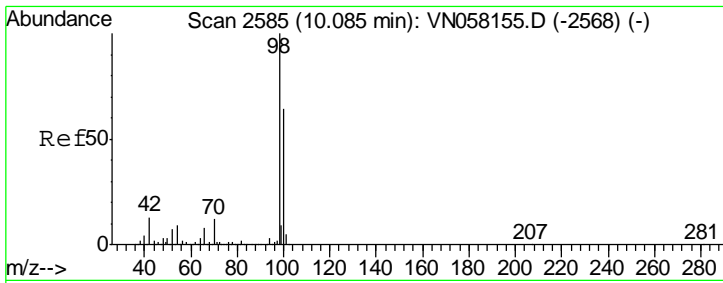
Tgt Ion	Resp	Lower	Upper
114	778177		
63	22.9	0.0	44.2
88	15.4	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 50.741 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058291.D
 Acq: 23 Sep 2019 14:45

Tgt Ion	Resp	Lower	Upper
113	240041		
111	101.5	81.8	122.6
192	18.2	14.5	21.7

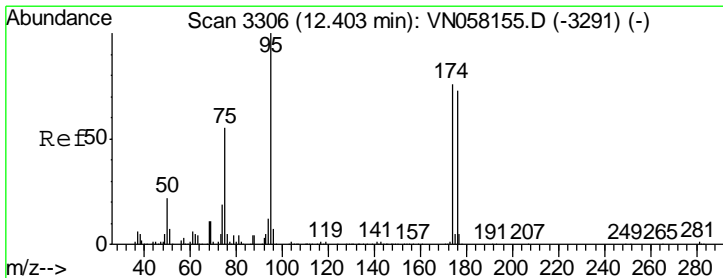
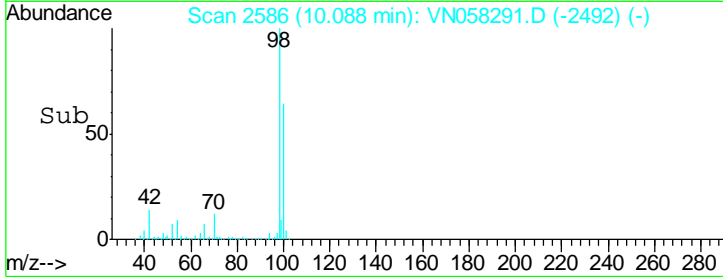
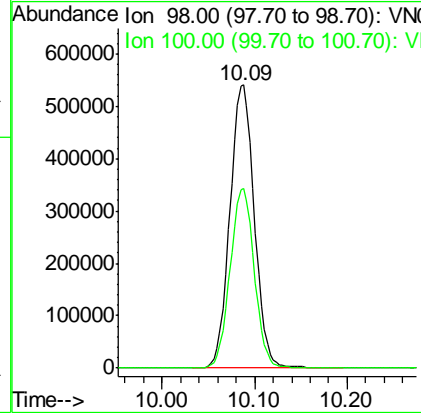
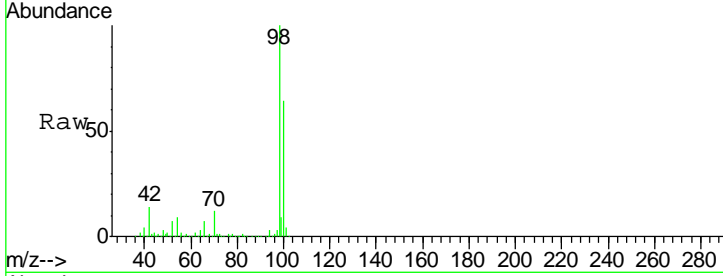




#50
 Toluene-d8
 Concen: 53.556 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058291.D
 Acq: 23 Sep 2019 14:45

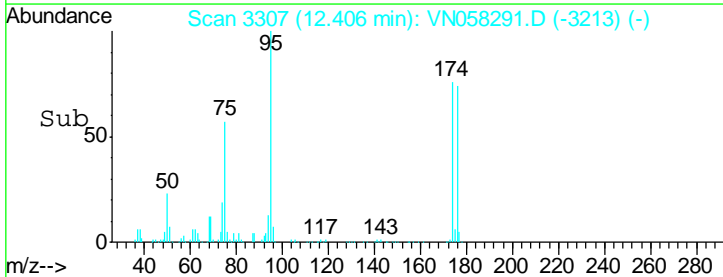
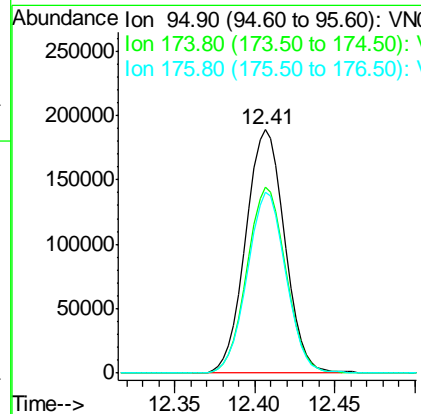
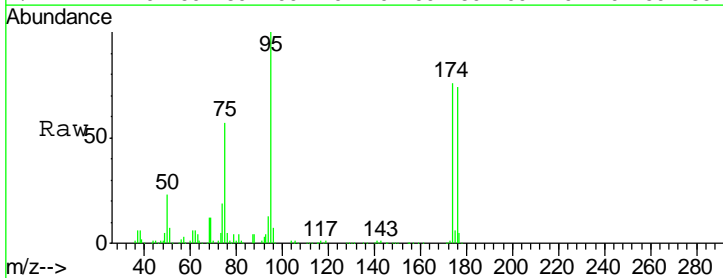
Instrument : MSVOA_N
 ClientSampled : 985-S-5-(19)ME

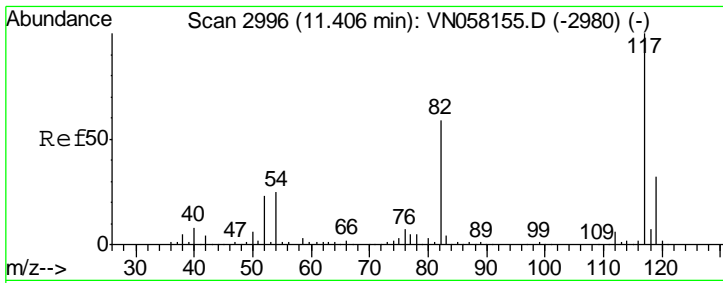
Tgt Ion	Resp	Lower	Upper
98	987128		
98	100		
100	63.0	51.1	76.7



#62
 4-Bromofluorobenzene
 Concen: 45.849 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058291.D
 Acq: 23 Sep 2019 14:45

Tgt Ion	Resp	Lower	Upper
95	313910		
95	100		
174	76.5	0.0	152.2
176	73.7	0.0	148.0

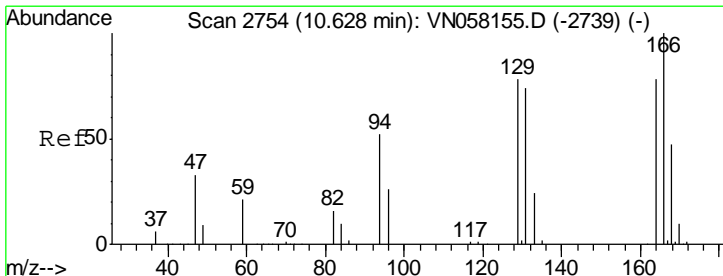
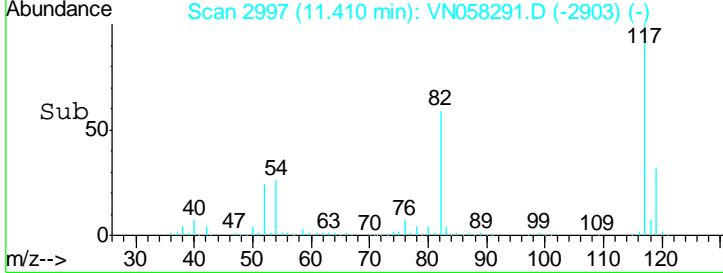
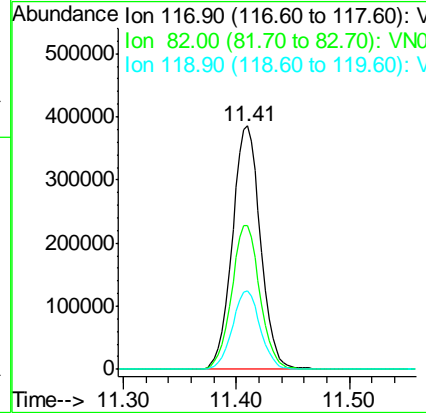
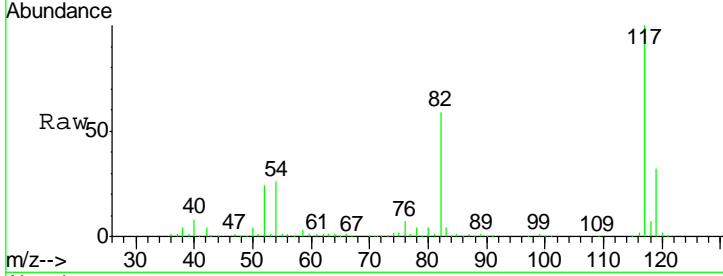




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN058291.D
 Acq: 23 Sep 2019 14:45

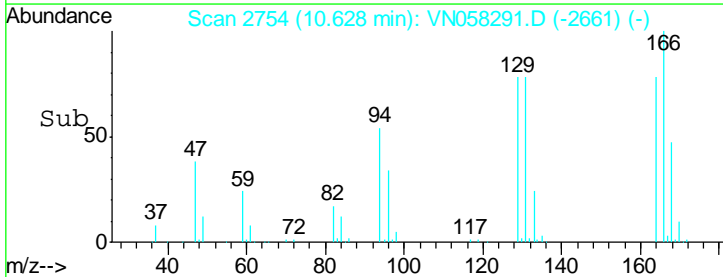
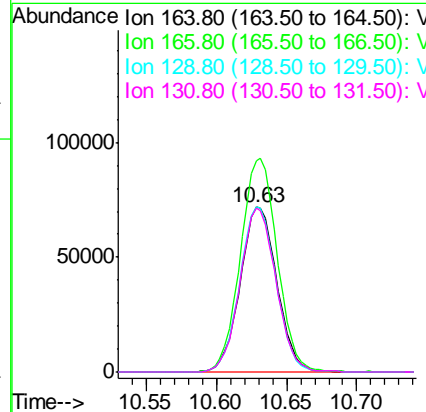
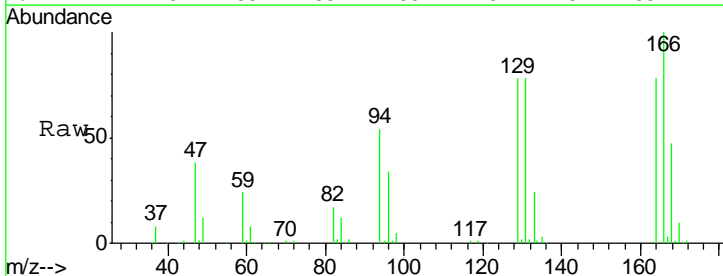
Instrument : MSVOA_N
 ClientSampleId : 985-S-5-(19)ME

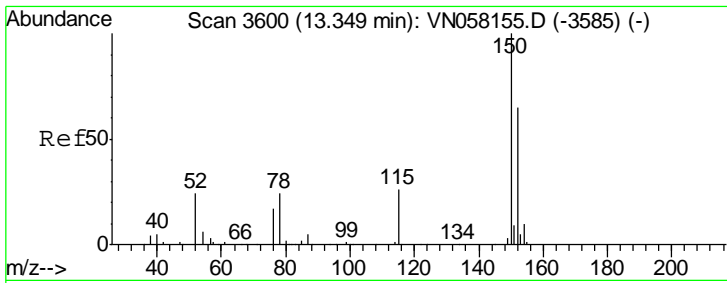
Tgt Ion	Resp	Lower	Upper
117	100		
82	58.8	46.9	70.3
119	32.2	25.3	37.9



#64
 Tetrachloroethene
 Concen: 40.284 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: VN058291.D
 Acq: 23 Sep 2019 14:45

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.4	102.2	153.4
129	100.5	79.6	119.4
131	99.6	76.0	114.0

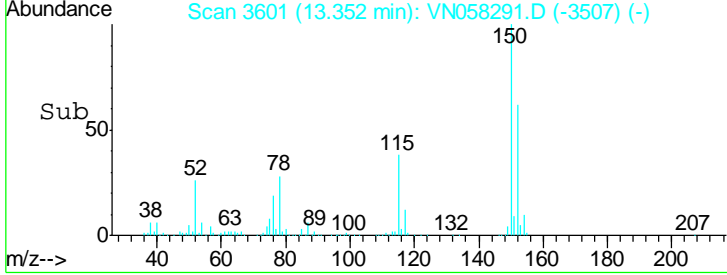
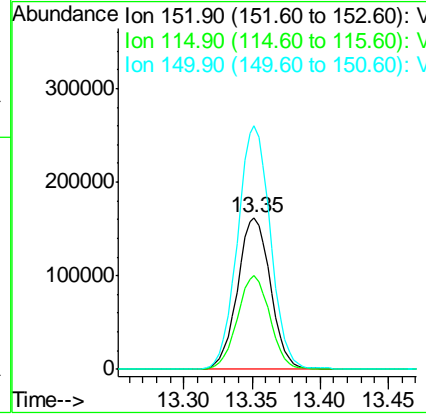
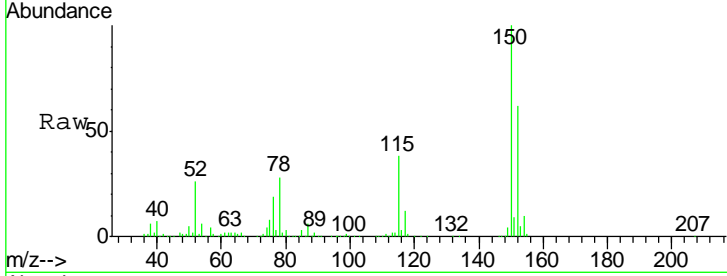




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058291.D
 Acq: 23 Sep 2019 14:45

Instrument : MSVOA_N
 ClientSampleId : 985-S-5-(19)ME

Tot Ion	Resp	Lower	Upper
152	100		
115	61.3	30.1	90.3
150	160.0	0.0	346.4



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- 17
- 18



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	986-B-3-(24)	SDG No.:	K4939
Lab Sample ID:	K4939-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013213.D	1		09/21/19 05:14	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.80	U	0.88	4.80	ug/Kg
74-87-3	Chloromethane	4.80	U	1.70	4.80	ug/Kg
75-01-4	Vinyl Chloride	4.80	U	1.10	4.80	ug/Kg
74-83-9	Bromomethane	4.80	U	0.37	4.80	ug/Kg
75-00-3	Chloroethane	4.80	U	0.56	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	4.80	U	0.62	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.80	U	0.78	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	4.80	U	0.96	4.80	ug/Kg
67-64-1	Acetone	24.2	U	7.40	24.2	ug/Kg
75-15-0	Carbon Disulfide	4.80	U	1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.80	U	1.30	4.80	ug/Kg
79-20-9	Methyl Acetate	4.80	U	2.70	4.80	ug/Kg
75-09-2	Methylene Chloride	9.70	U	5.00	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.80	U	1.20	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	4.80	U	0.88	4.80	ug/Kg
110-82-7	Cyclohexane	4.80	U	1.70	4.80	ug/Kg
78-93-3	2-Butanone	24.2	U	6.50	24.2	ug/Kg
56-23-5	Carbon Tetrachloride	4.80	U	0.80	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.50	U	0.95	4.80	ug/Kg
74-97-5	Bromochloromethane	4.80	U	1.20	4.80	ug/Kg
67-66-3	Chloroform	4.80	U	0.84	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.80	U	1.00	4.80	ug/Kg
108-87-2	Methylcyclohexane	4.80	U	1.10	4.80	ug/Kg
71-43-2	Benzene	4.80	U	0.81	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	4.80	U	1.20	4.80	ug/Kg
79-01-6	Trichloroethene	10.2	U	0.90	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	4.80	U	1.20	4.80	ug/Kg
75-27-4	Bromodichloromethane	4.80	U	0.96	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	24.2	U	5.40	24.2	ug/Kg
108-88-3	Toluene	4.80	U	0.94	4.80	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.80	U	0.97	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.80	U	1.00	4.80	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	986-B-3-(24)	SDG No.:	K4939
Lab Sample ID:	K4939-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013213.D	1		09/21/19 05:14	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4.80	U	1.40	4.80	ug/Kg
591-78-6	2-Hexanone	24.2	U	7.10	24.2	ug/Kg
124-48-1	Dibromochloromethane	4.80	U	1.30	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	4.80	U	1.30	4.80	ug/Kg
127-18-4	Tetrachloroethene	200	E	0.67	4.80	ug/Kg
108-90-7	Chlorobenzene	4.80	U	0.76	4.80	ug/Kg
100-41-4	Ethyl Benzene	4.80	U	0.83	4.80	ug/Kg
179601-23-1	m/p-Xylenes	9.70	U	1.60	9.70	ug/Kg
95-47-6	o-Xylene	4.80	U	1.10	4.80	ug/Kg
100-42-5	Styrene	4.80	U	0.96	4.80	ug/Kg
75-25-2	Bromoform	4.80	U	3.20	4.80	ug/Kg
98-82-8	Isopropylbenzene	4.80	U	0.84	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.80	U	1.10	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.80	U	1.00	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.80	U	1.00	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.80	U	1.20	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.80	UQ	3.20	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.80	U	1.10	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.80	U	1.20	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		56 - 120	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	51.0		67 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	380000	7.95			
540-36-3	1,4-Difluorobenzene	570000	8.84			
3114-55-4	Chlorobenzene-d5	484000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.56			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013213.D
 Acq On : 21 Sep 2019 05:14
 Operator : SY/VA
 Sample : K4939-07
 Misc : 6.27G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 986-B-3-(24)

Quant Time: Sep 21 06:30:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

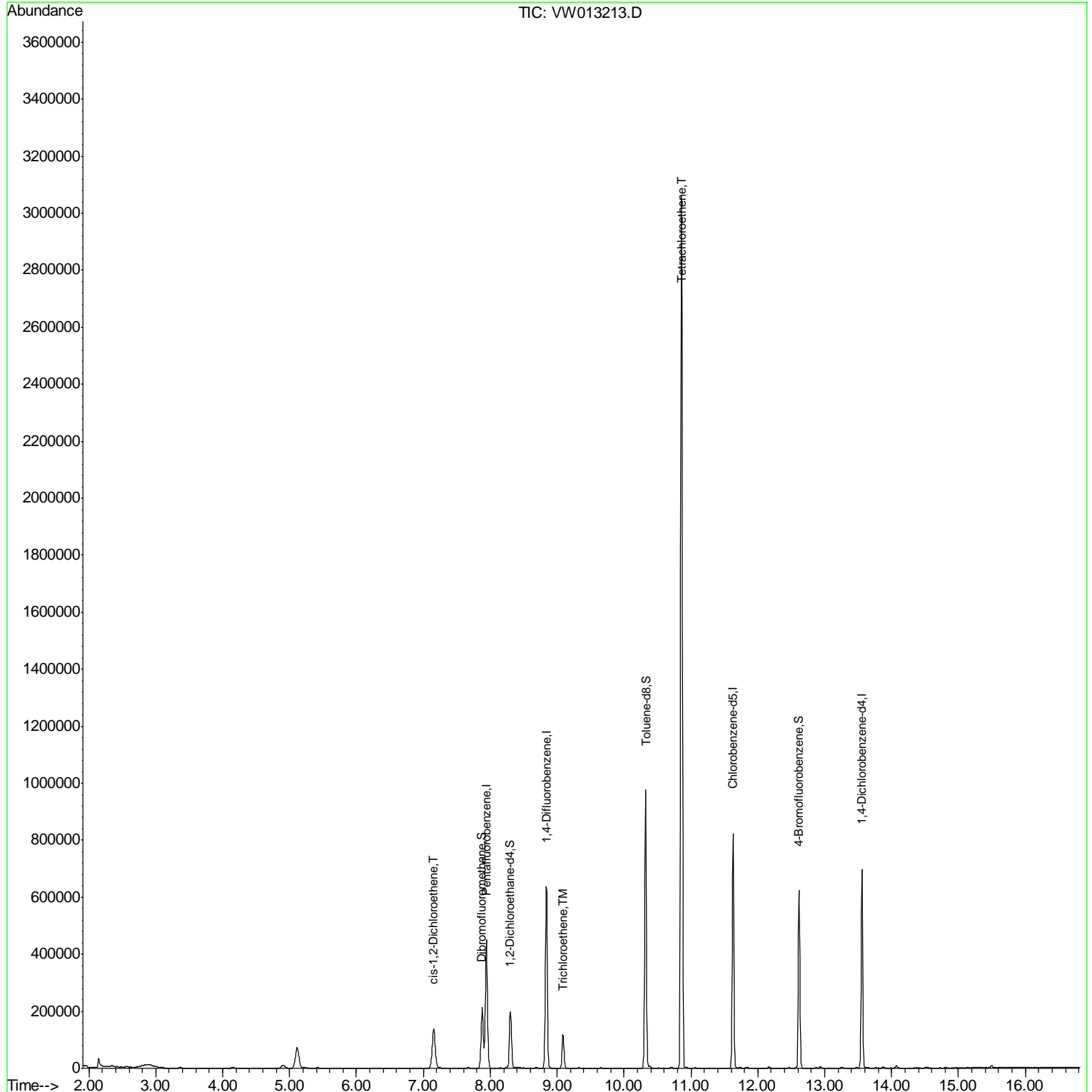
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	380306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	570217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	483950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199808	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	159120	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.88	113	156603	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.32	98	668937	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	206123	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
Target Compounds						
27) cis-1,2-Dichloroethene	7.16	96	31285	7.761	ug/l	99
44) Trichloroethene	9.09	130	45349	10.492	ug/l	97
64) Tetrachloroethene	10.86	164	762456	207.646	ug/l	98

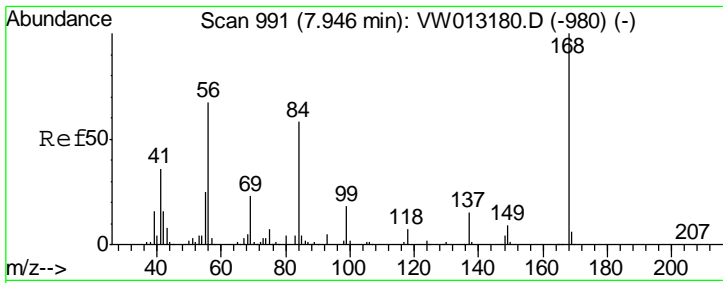
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013213.D
Acq On : 21 Sep 2019 05:14
Operator : SY/VA
Sample : K4939-07
Misc : 6.27G/5ML/MSVOA W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
986-B-3-(24)

Quant Time: Sep 21 06:30:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

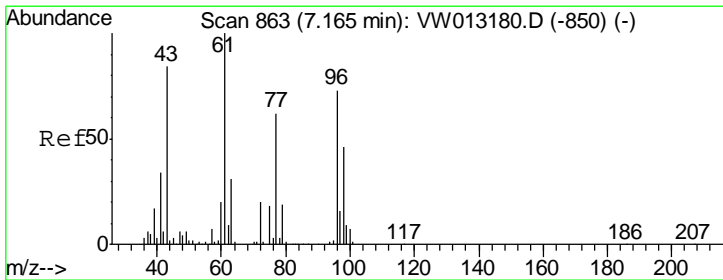
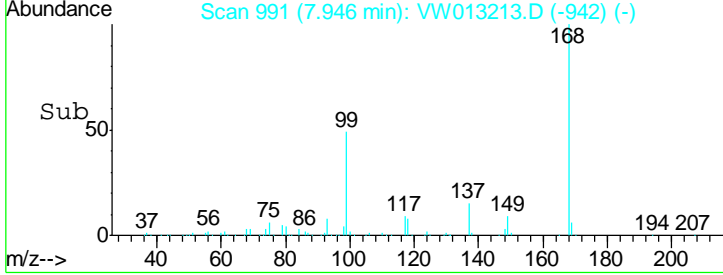
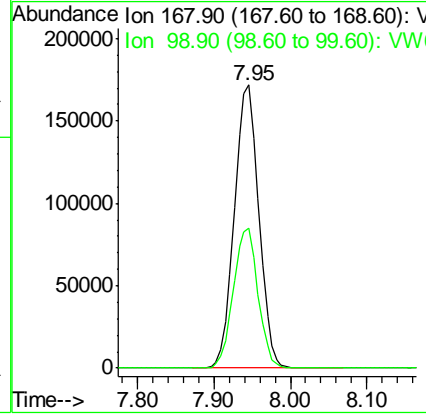
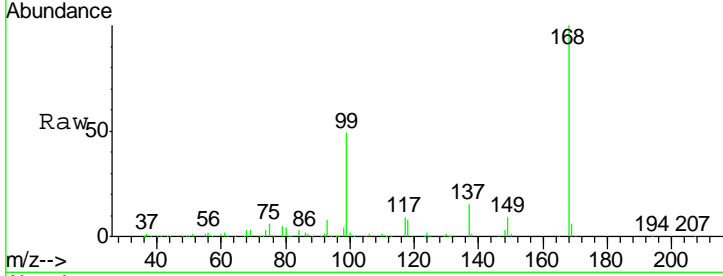




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

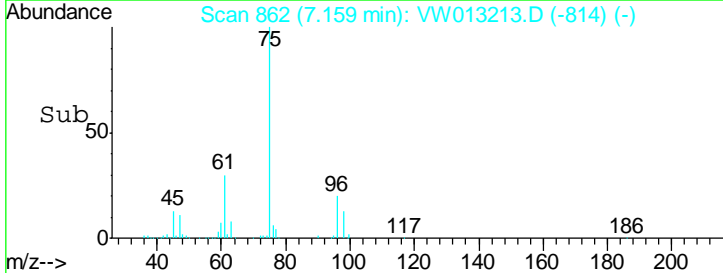
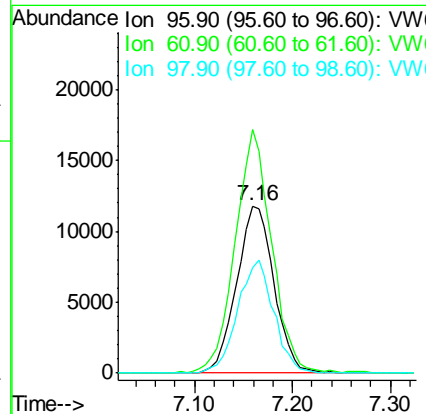
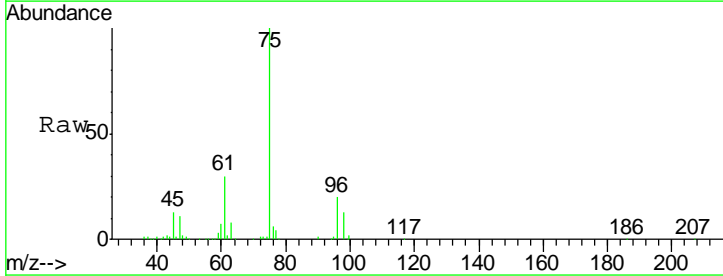
Instrument : MSVOA_W
 ClientSampled : 986-B-3-(24)

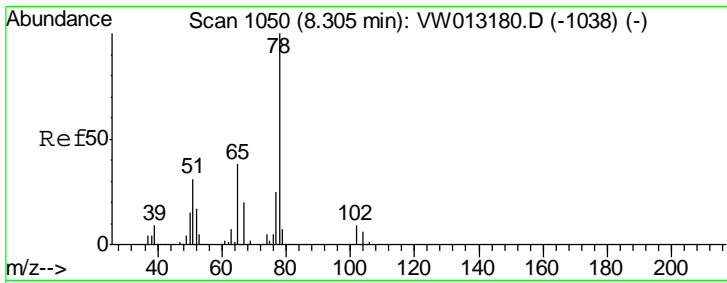
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.3	40.2	60.4



#27
 cis-1,2-Dichloroethene
 Concen: 7.761 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

Tgt Ion	Resp	Lower	Upper
96	100		
61	141.9	0.0	282.4
98	65.0	0.0	128.2

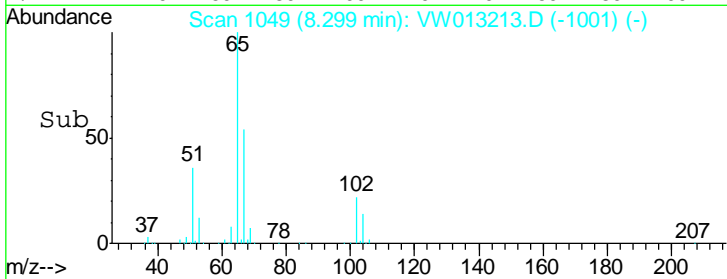
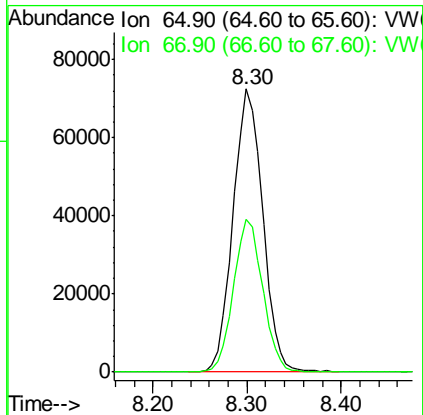
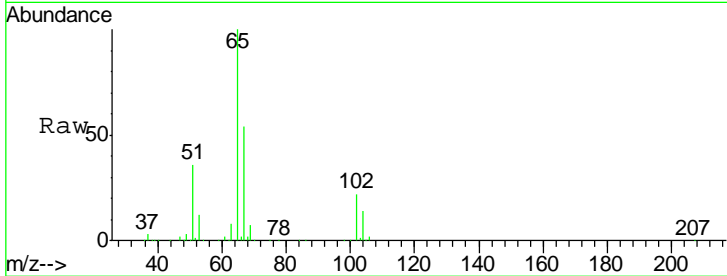




#33
 1,2-Dichloroethane-d4
 Concen: 51.265 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

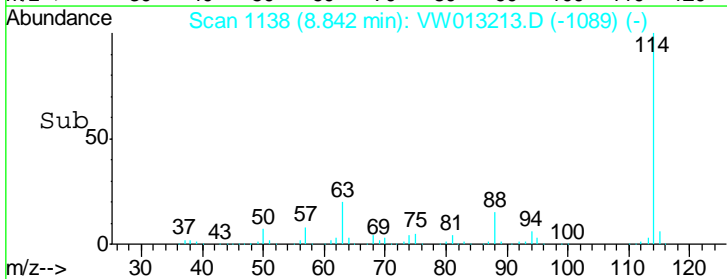
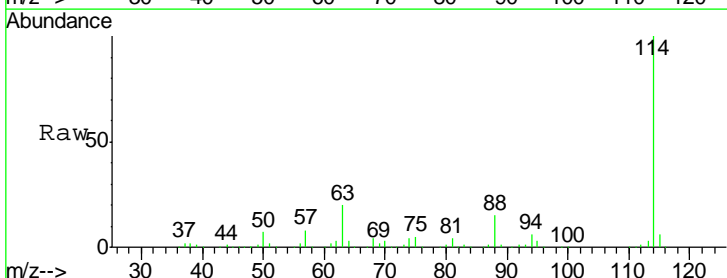
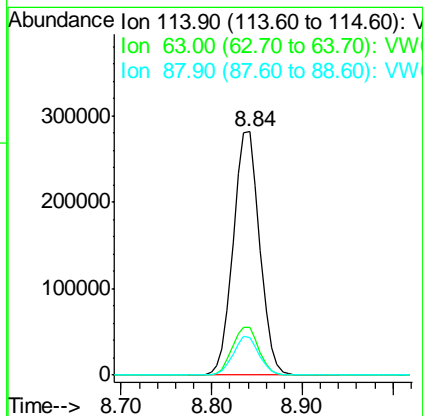
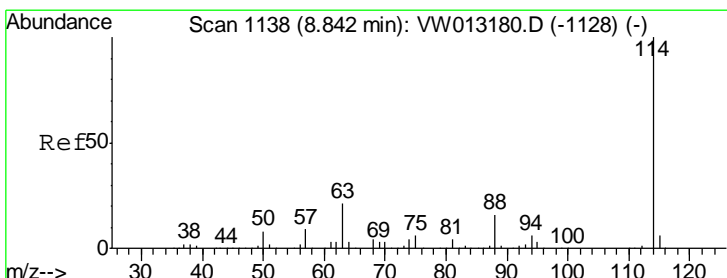
Instrument : MSVOA_W
 ClientSampled : 986-B-3-(24)

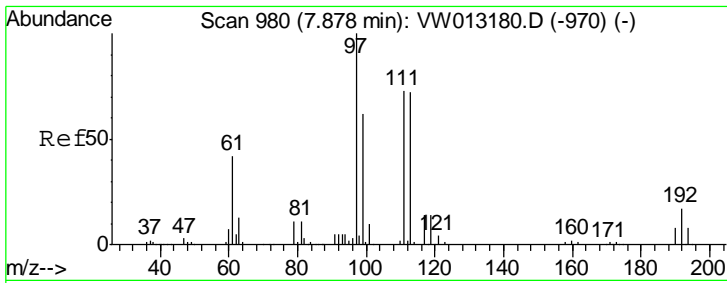
Tgt Ion	Resp	Lower	Upper
65	159120		
65	100		
67	53.0	0.0	106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

Tgt Ion	Resp	Lower	Upper
114	570217		
114	100		
63	19.8	0.0	41.4
88	15.4	0.0	32.0

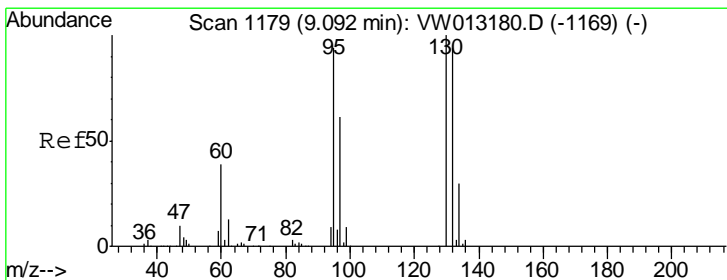
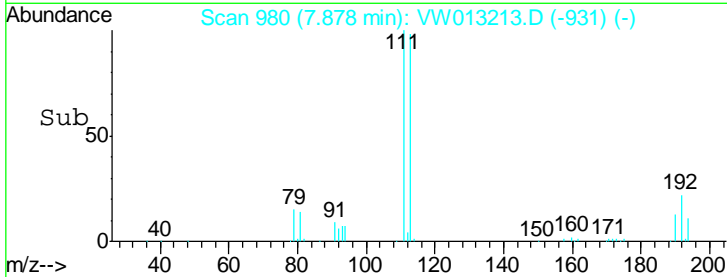
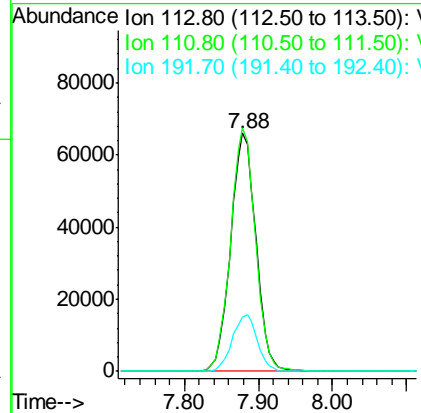
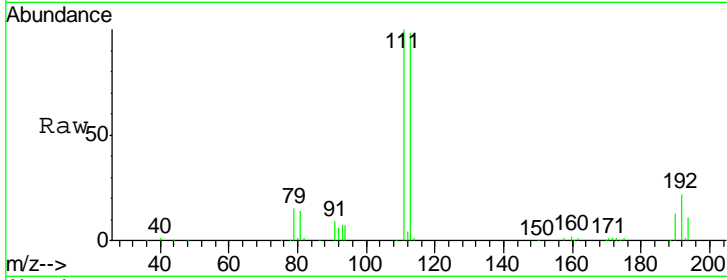




#35
 Dibromofluoromethane
 Concen: 49.934 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

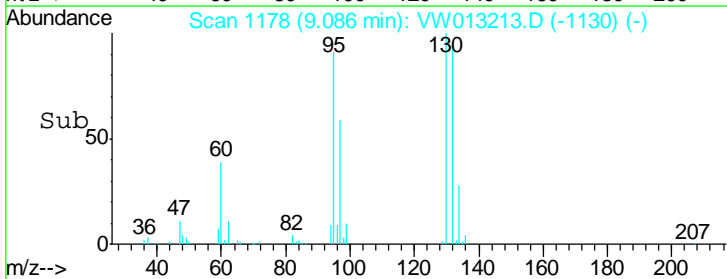
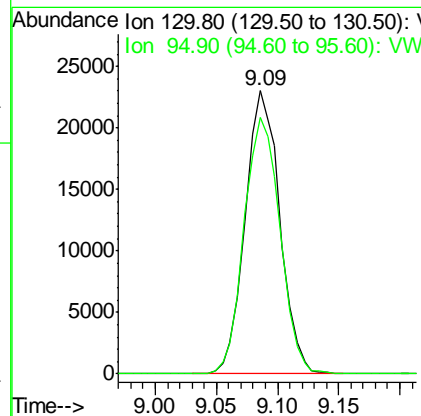
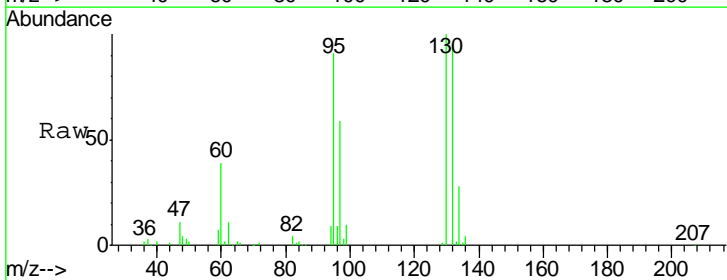
Instrument : MSVOA_W
 ClientSampled : 986-B-3-(24)

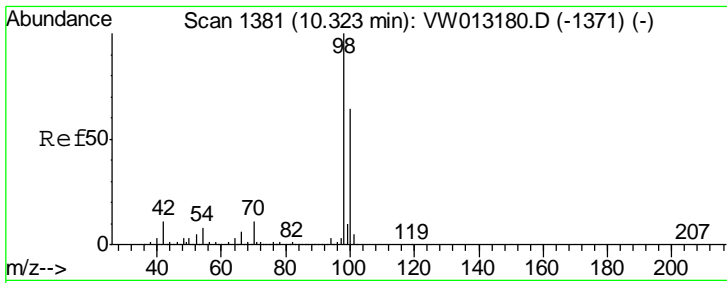
Tgt Ion	Resp	Lower	Upper
113	156603		
111	100.8	81.9	122.9
192	23.6	19.1	28.7



#44
 Trichloroethene
 Concen: 10.492 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

Tgt Ion	Resp	Lower	Upper
130	45349		
95	90.8	0.0	188.0

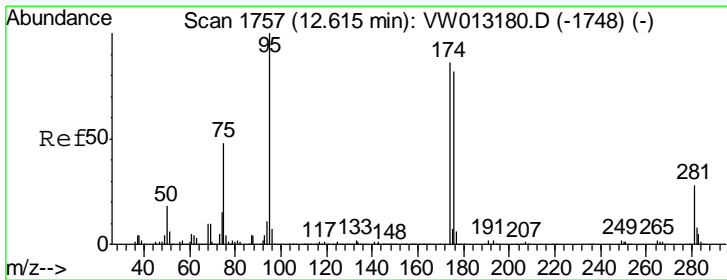
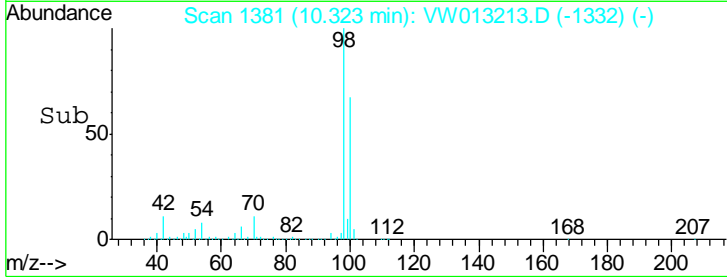
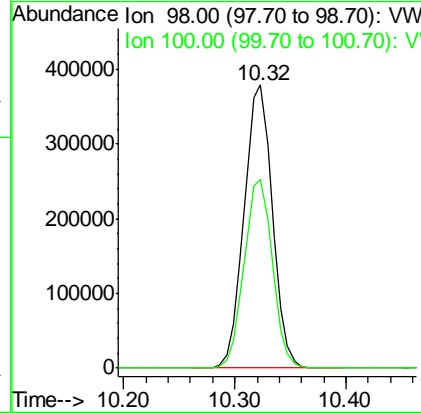
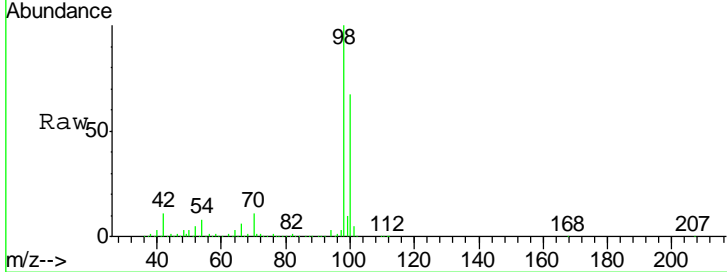




#50
 Toluene-d8
 Concen: 50.965 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

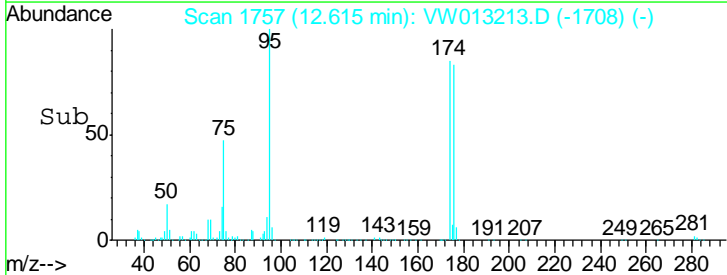
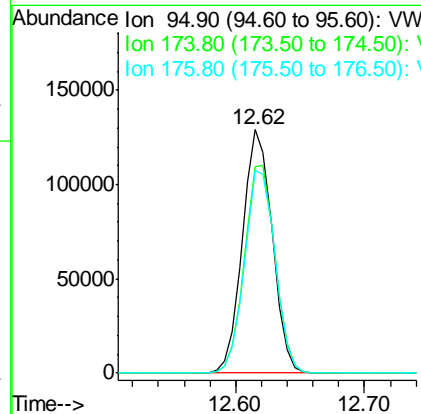
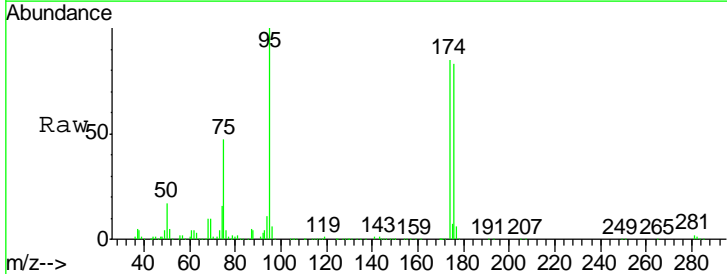
Instrument : MSVOA_W
 ClientSampled : 986-B-3-(24)

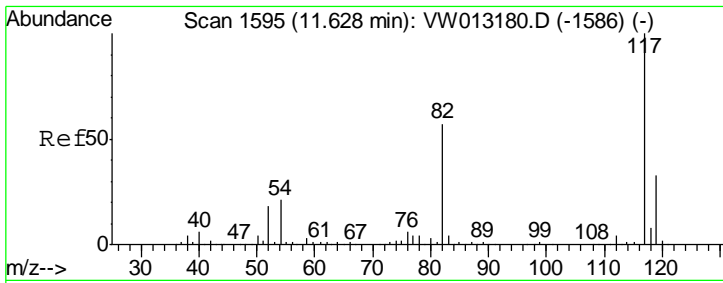
Tgt Ion	Resp	Lower	Upper
98	100		
100	66.6	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 45.974 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

Tgt Ion	Resp	Lower	Upper
95	100		
174	87.8	0.0	178.4
176	85.6	0.0	172.2

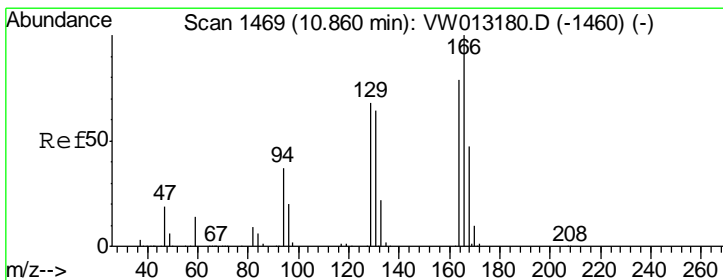
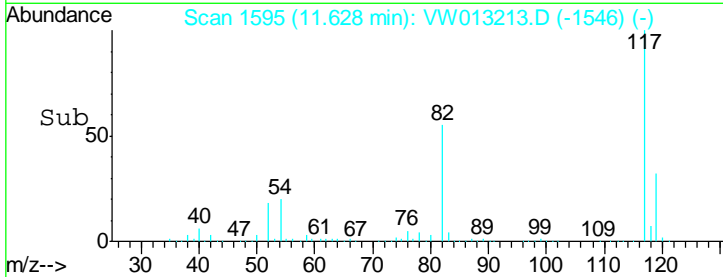
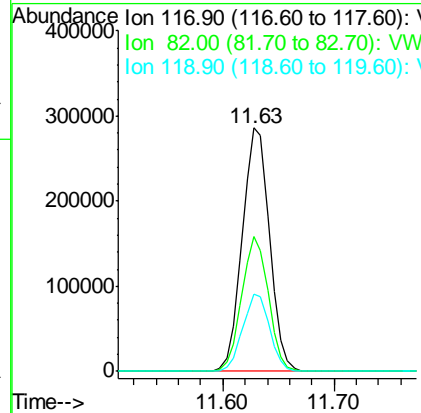
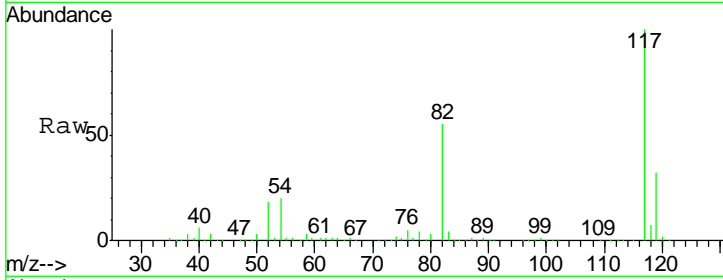




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

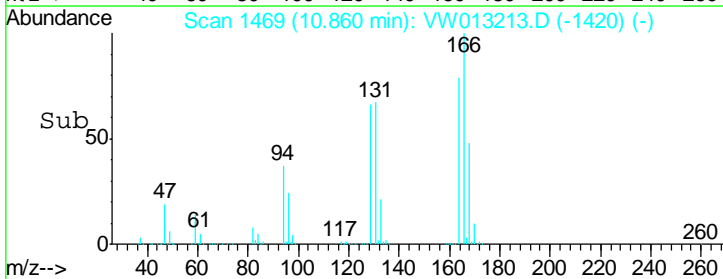
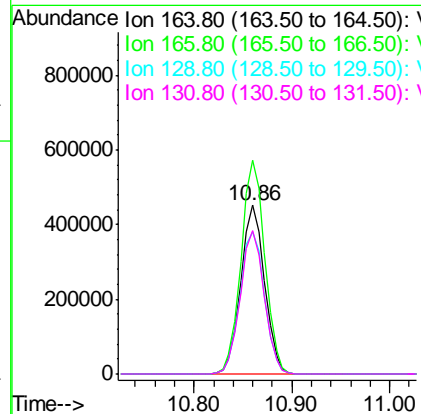
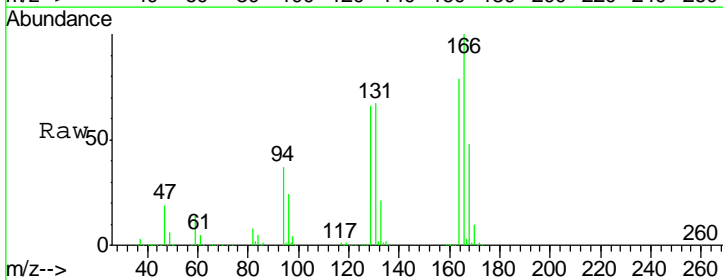
Instrument : MSVOA_W
 Client Sampled : 986-B-3-(24)

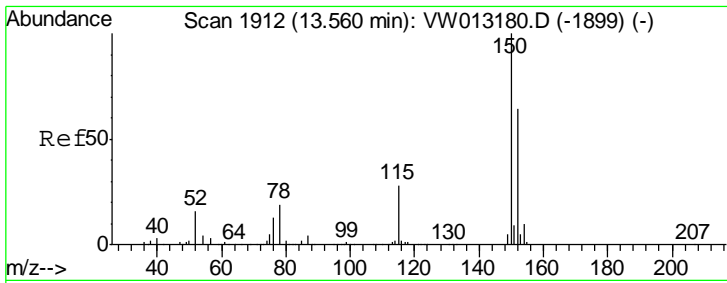
Tgt Ion	Resp	Lower	Upper
117	100		
82	55.2	45.9	68.9
119	31.7	26.2	39.2



#64
 Tetrachloroethene
 Concen: 207.646 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

Tgt Ion	Resp	Lower	Upper
164	100		
166	126.7	101.2	151.8
129	84.0	68.8	103.2
131	85.1	65.2	97.8

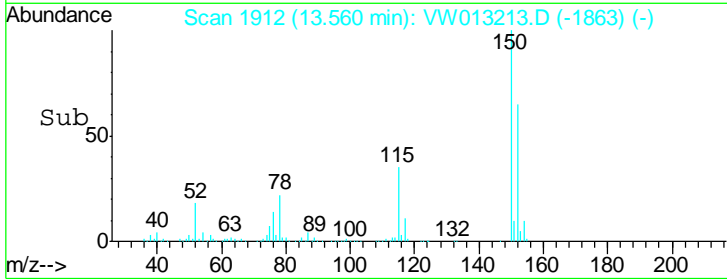
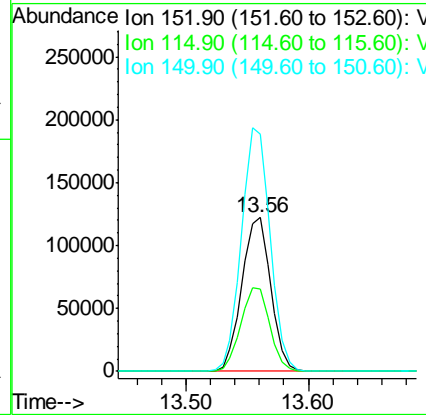
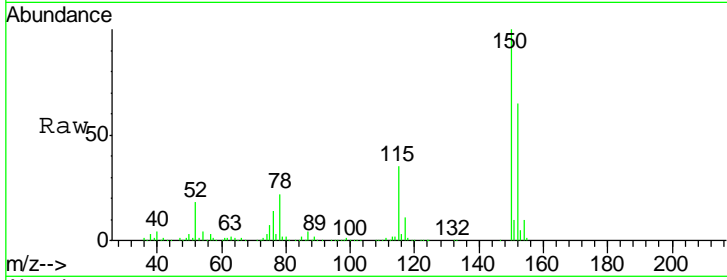




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

Instrument : MSVOA_W
 ClientSampled : 986-B-3-(24)

Tot Ion	Resp	Lower	Upper
152	199808		
152	100		
115	54.9	27.3	81.9
150	157.0	0.0	349.0



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013213.D
 Acq On : 21 Sep 2019 05:14
 Operator : SY/VA
 Sample : K4939-07
 Misc : 6.27G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 986-B-3-(24)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.148	34	40	51	rBV	31640	72029	1.38%	0.487%
2	5.111	513	526	540	rBV2	72225	265693	5.07%	1.795%
3	7.153	848	861	882	rBV2	138629	449269	8.58%	3.036%
4	7.878	969	980	985	rBV3	215190	514386	9.82%	3.476%
5	7.946	985	991	1002	rVB	450271	1008412	19.26%	6.814%
6	8.299	1035	1049	1061	rBV	199017	454169	8.67%	3.069%
7	8.836	1128	1137	1151	rBV	637526	1274384	24.34%	8.612%
8	9.086	1170	1178	1188	rVB2	116656	234872	4.49%	1.587%
9	10.323	1372	1381	1388	rBV	976940	1743002	33.28%	11.779%
10	10.860	1460	1469	1480	rBV	3060458	5236723	100.00%	35.388%
11	11.628	1586	1595	1608	rBV	824427	1387579	26.50%	9.377%
12	12.615	1750	1757	1768	rVB	622798	1001077	19.12%	6.765%
13	13.554	1904	1911	1920	rBV	698602	1156539	22.09%	7.815%

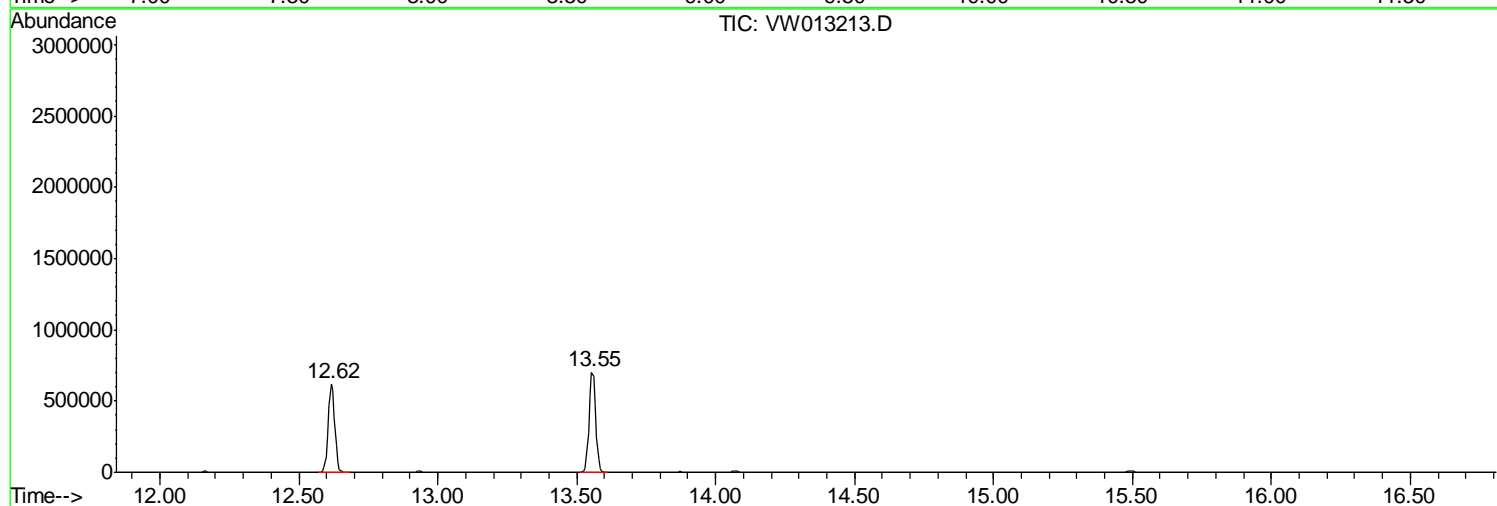
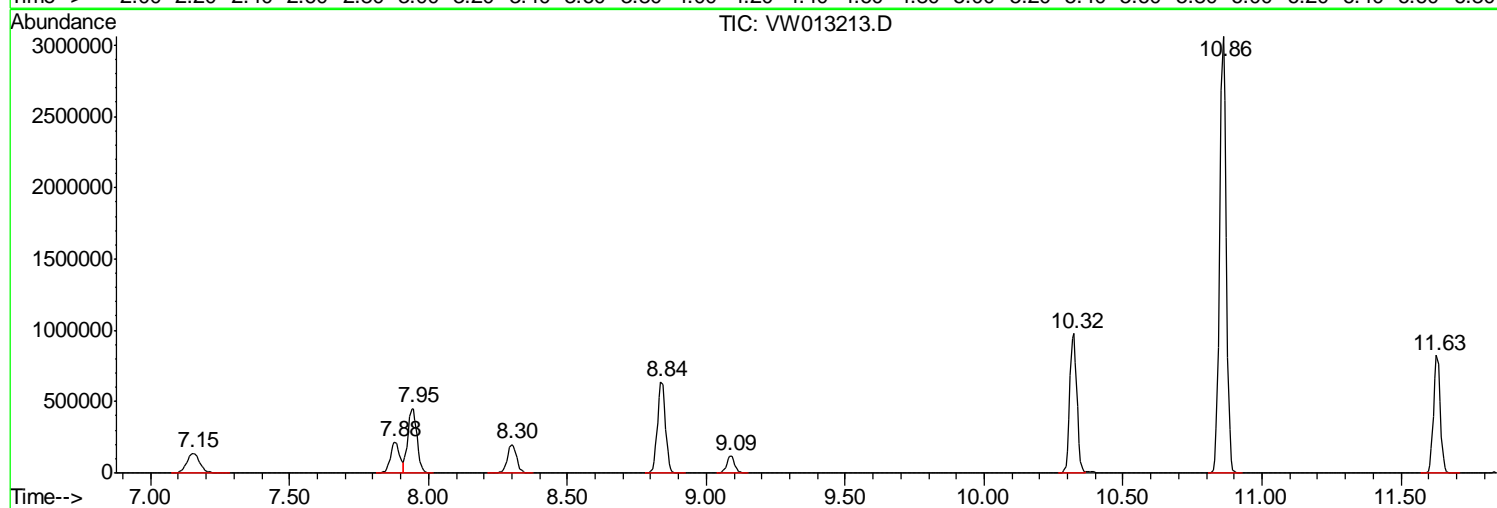
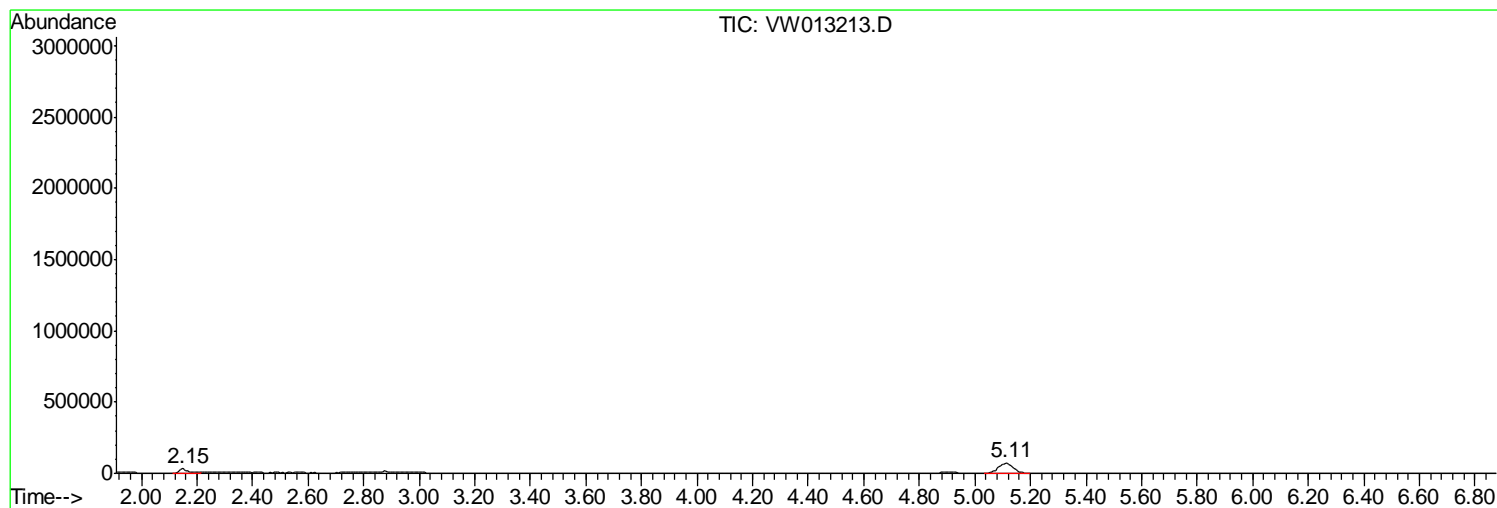
Sum of corrected areas: 14798134

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013213.D
Acq On : 21 Sep 2019 05:14
Operator : SY/VA
Sample : K4939-07
Misc : 6.27G/5ML/MSVOA W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
986-B-3-(24)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
Data File : VW013213.D
Acq On : 21 Sep 2019 05:14
Operator : SY/VA
Sample : K4939-07
Misc : 6.27G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
986-B-3-(24)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
 Data File : VW013213.D
 Acq On : 21 Sep 2019 05:14
 Operator : SY/VA
 Sample : K4939-07
 Misc : 6.27G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 986-B-3-(24)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	986-B-3-(24)ME	SDG No.:	K4939
Lab Sample ID:	K4939-07ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	5.85 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058288.D	1		09/23/19 13:40	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	520	UD	94.2	520	ug/Kg
74-87-3	Chloromethane	520	UD	180	520	ug/Kg
75-01-4	Vinyl Chloride	520	UD	120	520	ug/Kg
74-83-9	Bromomethane	520	UD	39.2	520	ug/Kg
75-00-3	Chloroethane	520	UD	59.7	520	ug/Kg
75-69-4	Trichlorofluoromethane	520	UD	67.0	520	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	520	UD	83.1	520	ug/Kg
75-35-4	1,1-Dichloroethene	520	UD	100	520	ug/Kg
67-64-1	Acetone	2600	UD	800	2600	ug/Kg
75-15-0	Carbon Disulfide	520	UD	110	520	ug/Kg
1634-04-4	Methyl tert-butyl Ether	520	UD	140	520	ug/Kg
79-20-9	Methyl Acetate	520	UD	290	520	ug/Kg
75-09-2	Methylene Chloride	1000	UD	540	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	520	UD	130	520	ug/Kg
75-34-3	1,1-Dichloroethane	520	UD	94.4	520	ug/Kg
110-82-7	Cyclohexane	520	UD	190	520	ug/Kg
78-93-3	2-Butanone	2600	UD	690	2600	ug/Kg
56-23-5	Carbon Tetrachloride	520	UD	85.6	520	ug/Kg
156-59-2	cis-1,2-Dichloroethene	520	UD	100	520	ug/Kg
74-97-5	Bromochloromethane	520	UD	120	520	ug/Kg
67-66-3	Chloroform	520	UD	89.5	520	ug/Kg
71-55-6	1,1,1-Trichloroethane	520	UD	110	520	ug/Kg
108-87-2	Methylcyclohexane	520	UD	120	520	ug/Kg
71-43-2	Benzene	520	UD	87.0	520	ug/Kg
107-06-2	1,2-Dichloroethane	520	UD	120	520	ug/Kg
79-01-6	Trichloroethene	520	UD	96.7	520	ug/Kg
78-87-5	1,2-Dichloropropane	520	UD	130	520	ug/Kg
75-27-4	Bromodichloromethane	520	UD	100	520	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2600	UD	580	2600	ug/Kg
108-88-3	Toluene	520	UD	100	520	ug/Kg
10061-02-6	t-1,3-Dichloropropene	520	UD	100	520	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	520	UD	110	520	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	986-B-3-(24)ME	SDG No.:	K4939
Lab Sample ID:	K4939-07ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	5.85 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058288.D	1		09/23/19 13:40	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	520	UD	150	520	ug/Kg
591-78-6	2-Hexanone	2600	UD	770	2600	ug/Kg
124-48-1	Dibromochloromethane	520	UD	140	520	ug/Kg
106-93-4	1,2-Dibromoethane	520	UD	130	520	ug/Kg
127-18-4	Tetrachloroethene	440	JD	72.1	520	ug/Kg
108-90-7	Chlorobenzene	520	UD	81.7	520	ug/Kg
100-41-4	Ethyl Benzene	520	UD	88.5	520	ug/Kg
179601-23-1	m/p-Xylenes	1000	UD	170	1000	ug/Kg
95-47-6	o-Xylene	520	UD	110	520	ug/Kg
100-42-5	Styrene	520	UD	100	520	ug/Kg
75-25-2	Bromoform	520	UD	340	520	ug/Kg
98-82-8	Isopropylbenzene	520	UD	89.8	520	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	520	UD	110	520	ug/Kg
541-73-1	1,3-Dichlorobenzene	520	UD	110	520	ug/Kg
106-46-7	1,4-Dichlorobenzene	520	UD	110	520	ug/Kg
95-50-1	1,2-Dichlorobenzene	520	UD	130	520	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	520	UD	350	520	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	520	UD	120	520	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	520	UD	130	520	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		56 - 120	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		57 - 135	99%	SPK: 50
2037-26-5	Toluene-d8	52.4		67 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		33 - 141	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	451000	7.65			
540-36-3	1,4-Difluorobenzene	725000	8.57			
3114-55-4	Chlorobenzene-d5	587000	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	239000	13.35			



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	986-B-3-(24)ME	SDG No.:	K4939
Lab Sample ID:	K4939-07ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	5.85 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058288.D	1		09/23/19 13:40	VN092319

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058288.D
 Acq On : 23 Sep 2019 13:40
 Operator : JC/SP
 Sample : K4939-07ME
 Misc : 5.85µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 986-B-3-(24)ME

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:41 AM

Quant Time: Sep 25 11:09:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	450662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	724522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	239323	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	323726	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.57	113	218144	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.08	98	899562	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.41	95	277194	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
Target Compounds						
64) Tetrachloroethene	10.63	164	12201	4.265	ug/l	95

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

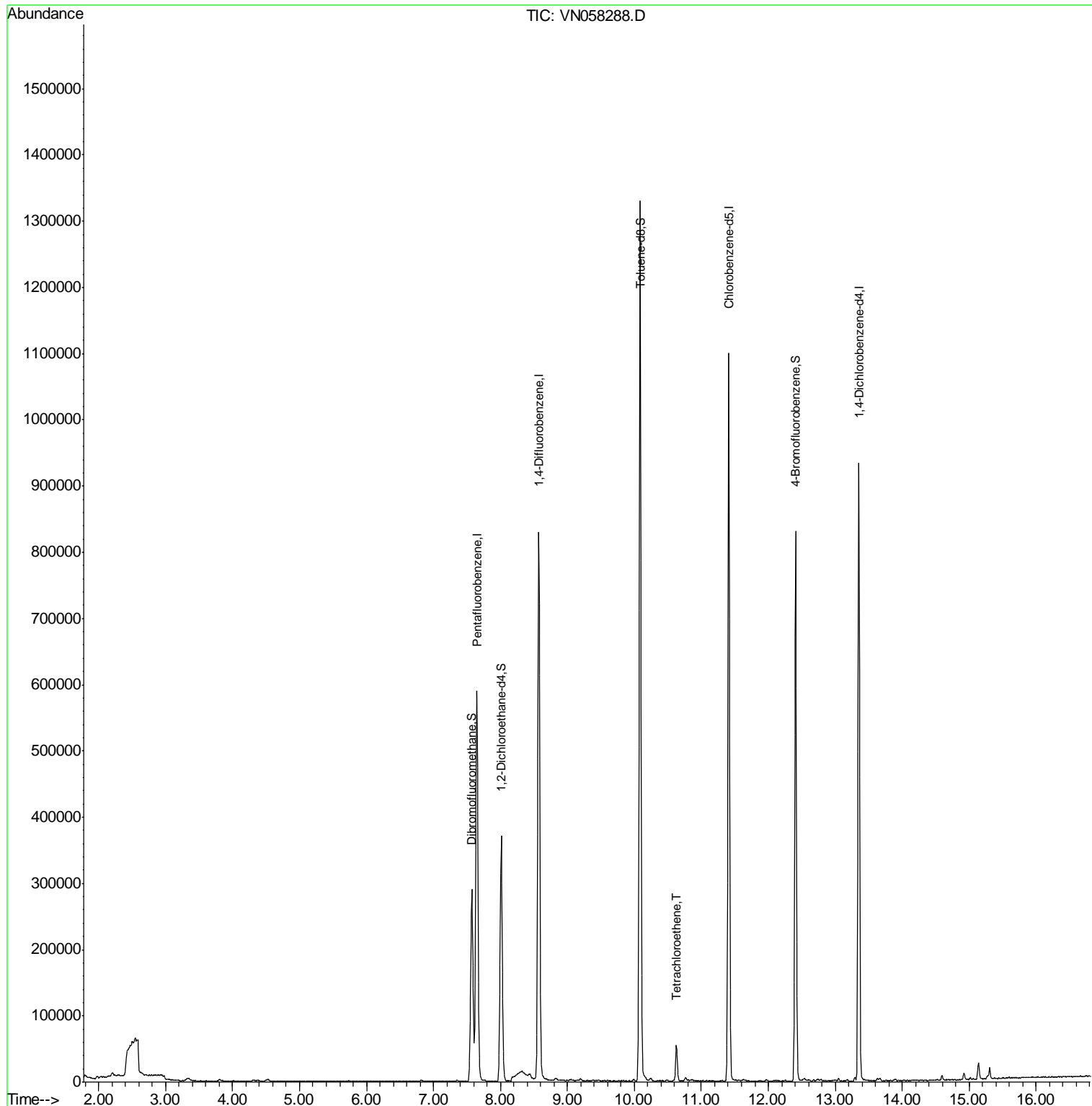
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058288.D
 Acq On : 23 Sep 2019 13:40
 Operator : JC/SP
 Sample : K4939-07ME
 Misc : 5.85µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 986-B-3-(24)ME

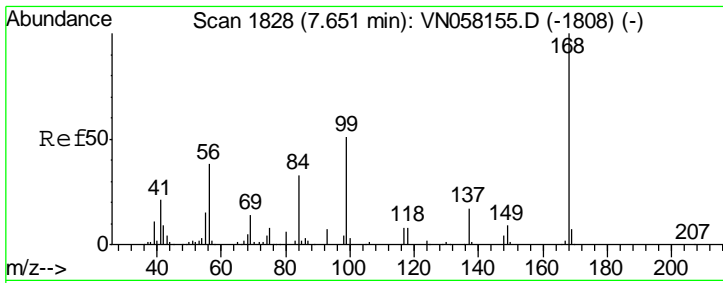
Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:41 AM

Quant Time: Sep 25 11:09:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

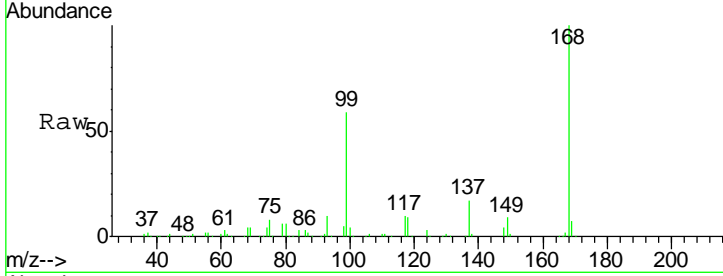


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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: VN058288.D
 Acq: 23 Sep 2019 13:40

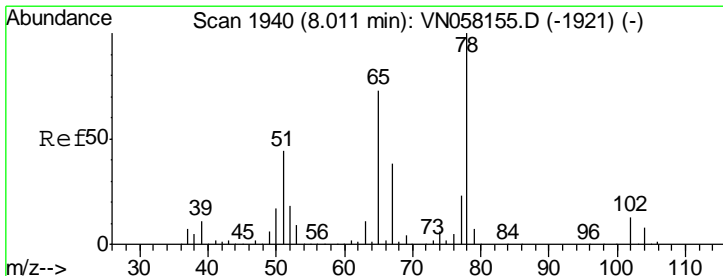
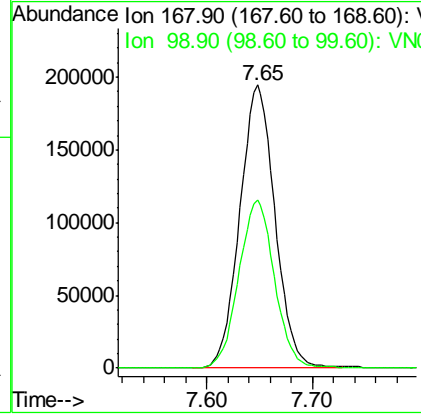
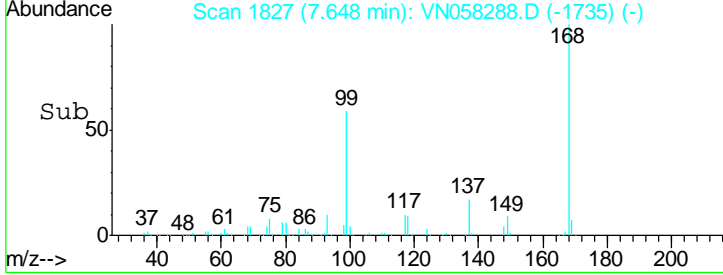
Instrument : MSVOA_N
 Client Sampled : 986-B-3-(24)ME



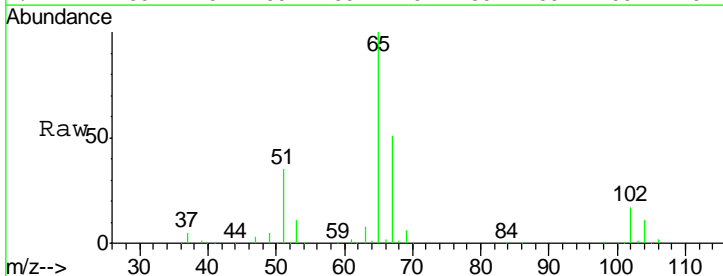
Tgt Ion: 168 Resp: 450662
 Ion Ratio Lower Upper
 168 100
 99 59.4 47.4 71.2

Manual Integrations
 APPROVED

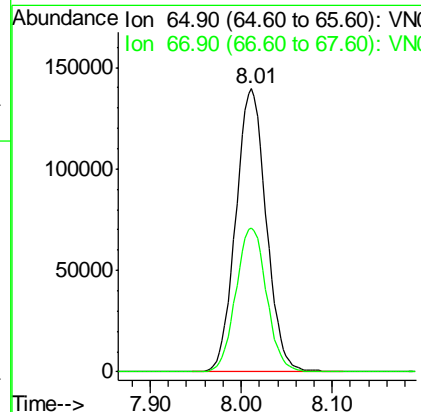
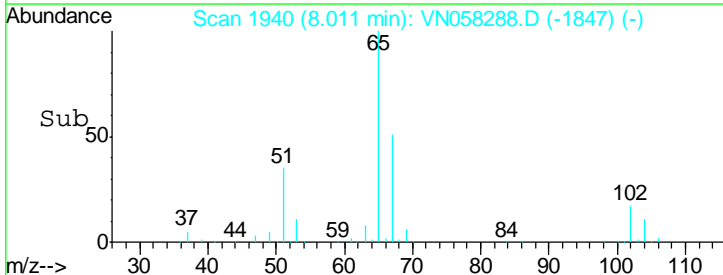
MMDadoda
 9/25/2019 12:47:41 AM

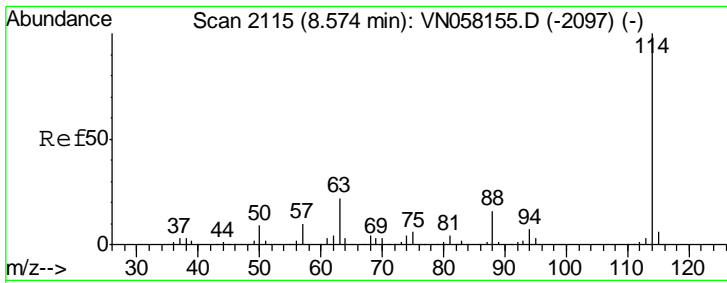


#33
 1,2-Dichloroethane-d4
 Concen: 51.575 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058288.D
 Acq: 23 Sep 2019 13:40



Tgt Ion: 65 Resp: 323726
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.4



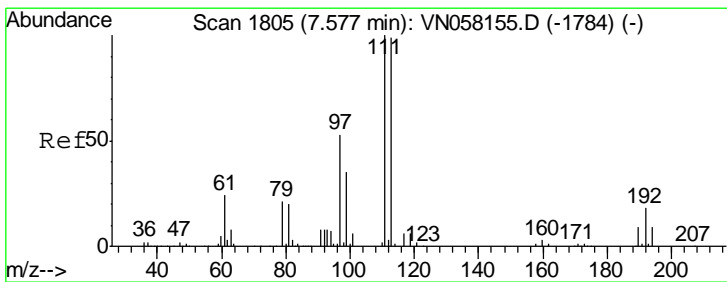
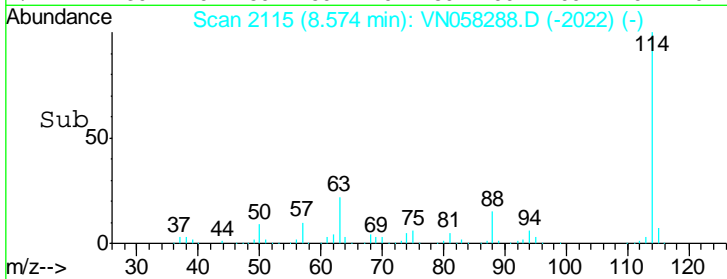
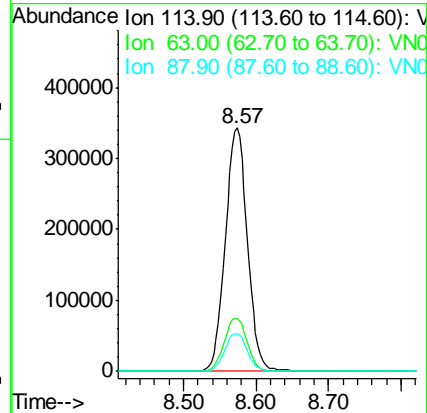
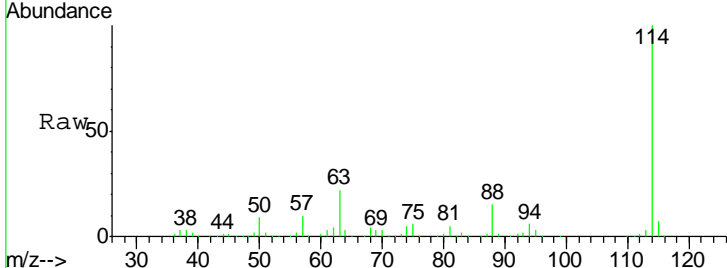


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058288.D
 Acq: 23 Sep 2019 13:40

Instrument :
 MSVOA_N
 ClientSampled :
 986-B-3-(24)ME

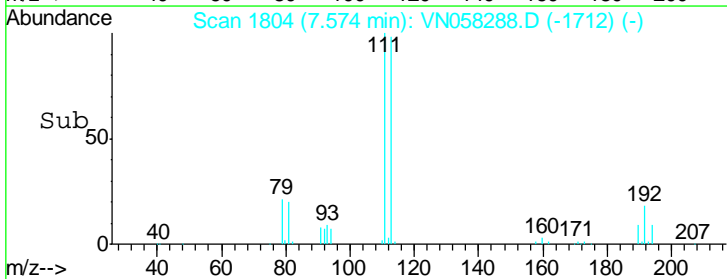
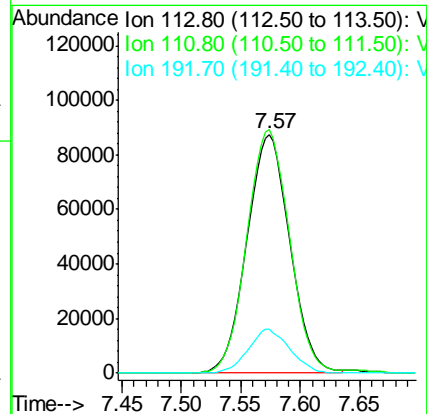
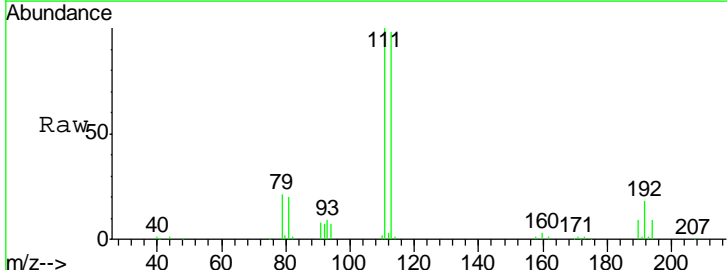
Tgt Ion	Resp	Lower	Upper
114	100		
63	21.8	0.0	44.2
88	15.5	0.0	31.6

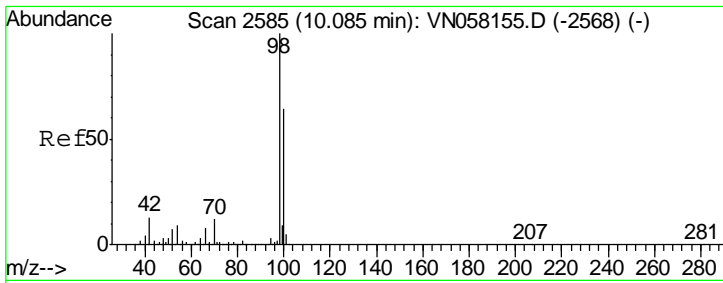
Manual Integrations
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 9/25/2019 12:47:41 AM



#35
 Dibromofluoromethane
 Concen: 49.528 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058288.D
 Acq: 23 Sep 2019 13:40

Tgt Ion	Resp	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	17.9	14.5	21.7



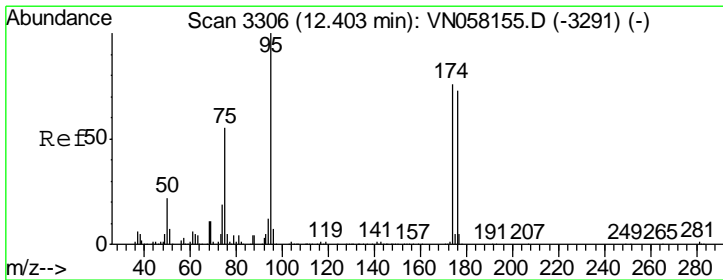
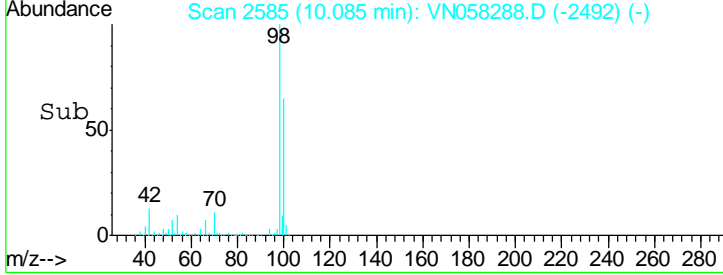
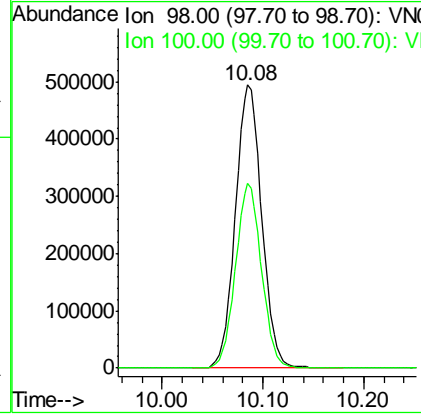
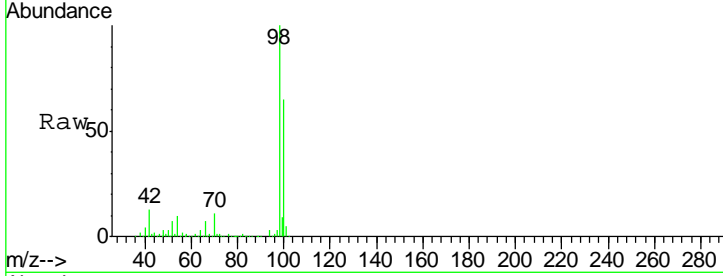


#50
 Toluene-d8
 Concen: 52.420 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058288.D
 Acq: 23 Sep 2019 13:40

Instrument : MSVOA_N
 ClientSampled : 986-B-3-(24)ME

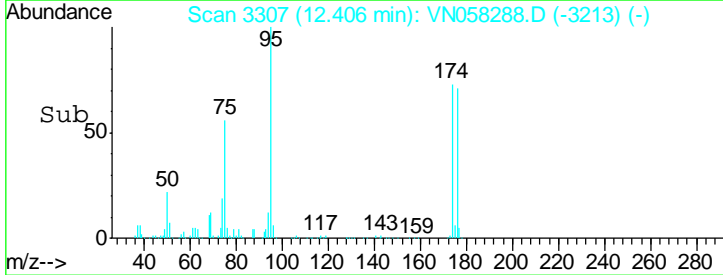
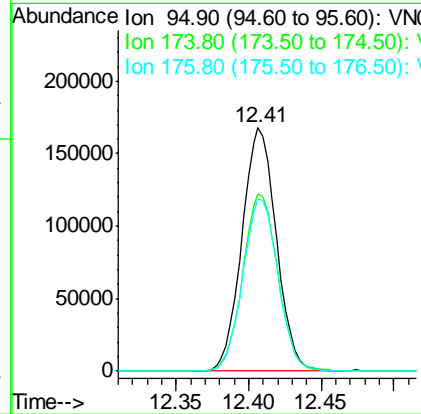
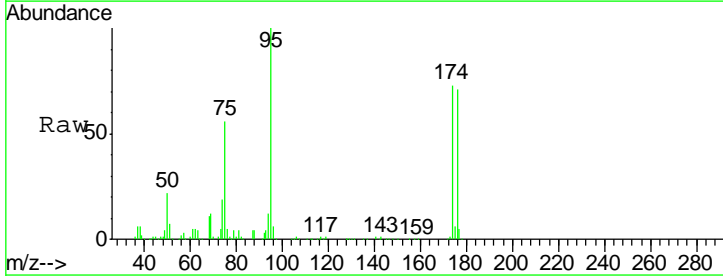
Tgt Ion	Resp	Lower	Upper
98	100		
100	64.2	51.1	76.7

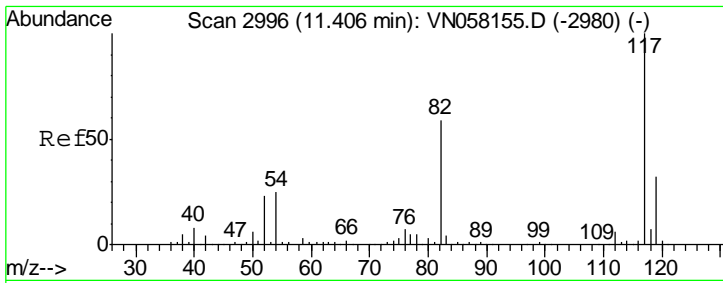
Manual Integrations
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 9/25/2019 12:47:41 AM



#62
 4-Bromofluorobenzene
 Concen: 43.484 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058288.D
 Acq: 23 Sep 2019 13:40

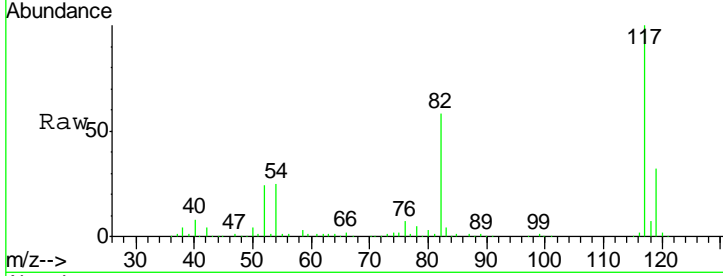
Tgt Ion	Resp	Lower	Upper
95	100		
174	74.4	0.0	152.2
176	72.4	0.0	148.0





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN058288.D
 Acq: 23 Sep 2019 13:40

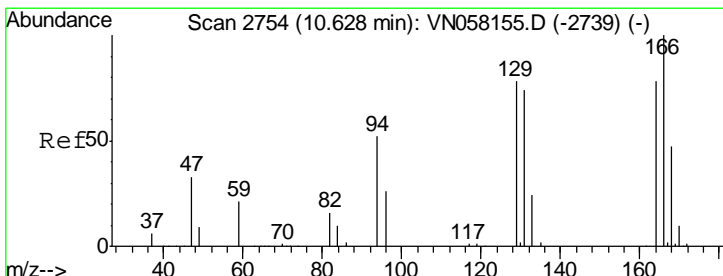
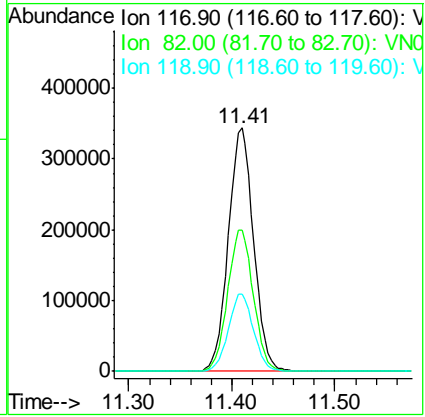
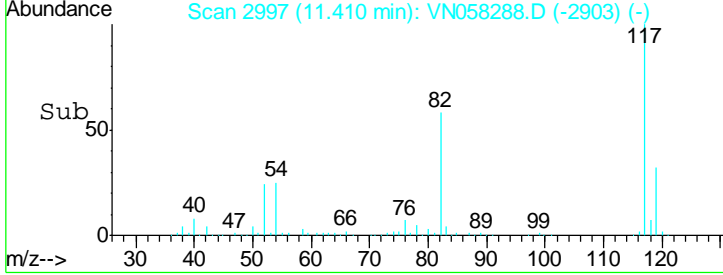
Instrument :
 MSVOA_N
 ClientSampled :
 986-B-3-(24)ME



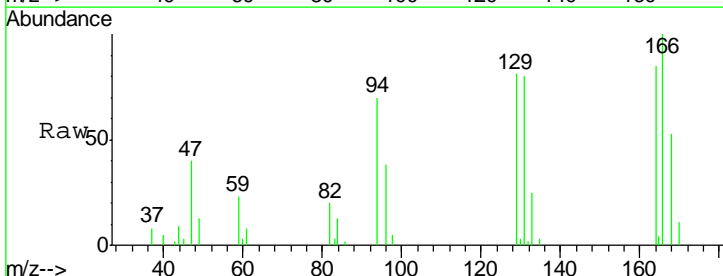
Tgt Ion: 117 Resp: 586826

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.9	70.3
119	31.9	25.3	37.9

Manual Integrations
APPROVED
 MMDadoda
 9/25/2019 12:47:41 AM

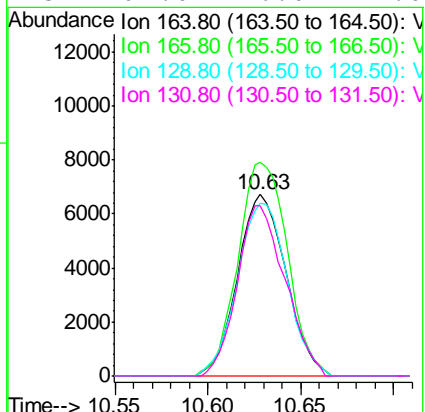
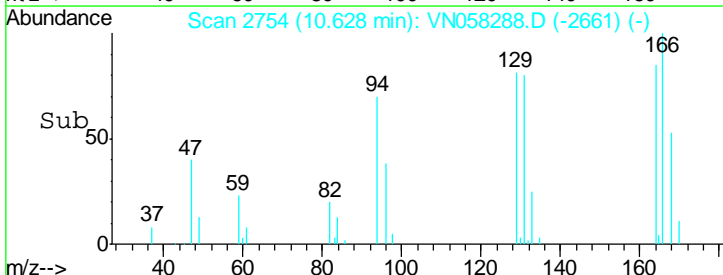


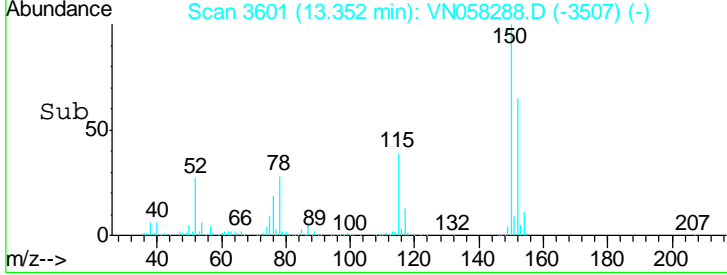
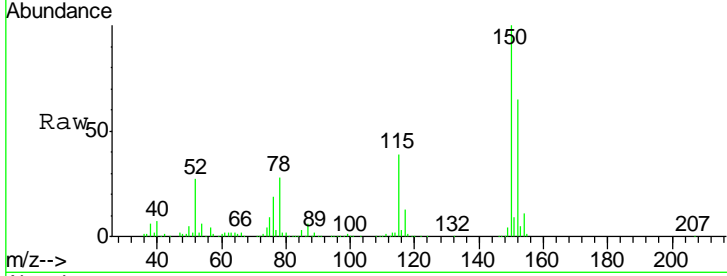
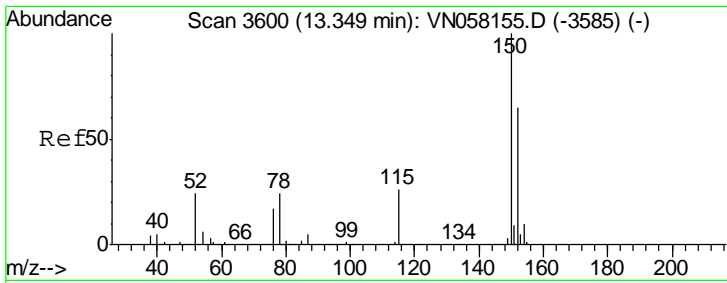
#64
 Tetrachloroethene
 Concen: 4.265 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: VN058288.D
 Acq: 23 Sep 2019 13:40



Tgt Ion: 164 Resp: 12201

Ion	Ratio	Lower	Upper
164	100		
166	117.8	102.2	153.4
129	95.4	79.6	119.4
131	94.0	76.0	114.0



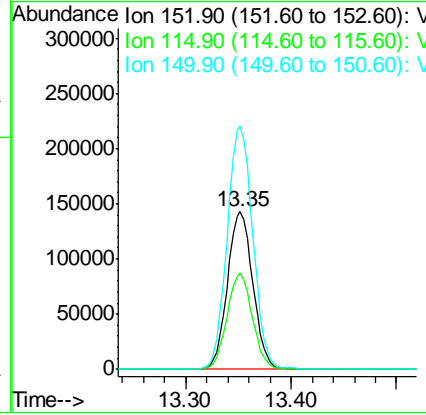


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058288.D
 Acq: 23 Sep 2019 13:40

Tot Ion	Resp	Lower	Upper
152	239323		
152	100		
115	60.5	30.1	90.3
150	154.7	0.0	346.4

Instrument : MSVOA_N
 Client Sampled : 986-B-3-(24)ME

Manual Integrations
APPROVED
 MMDadoda
 9/25/2019 12:47:41 AM



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CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG No.: K4939
 Instrument ID: MSVOA_N Calibration Date(s): 09/18/2019 09/18/2019
 Heated Purge: (Y/N) N Calibration Time(s): 09:21 11:11
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN058152.D	RRF005 = VN058153.D	RRF020 = VN058154.D	RRF050 = VN058155.D	RRF100 = VN058156.D	RRF150 = VN058157.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.433	0.479	0.394	0.375	0.390	0.393	0.411	9.4
Chloromethane	0.542	0.497	0.328	0.304	0.311	0.315	0.383	28.1
Vinyl Chloride	0.512	0.499	0.352	0.340	0.341	0.343	0.398	21
Bromomethane		0.266	0.173	0.175	0.180	0.188	0.197	20
Chloroethane	0.359	0.323	0.238	0.223	0.218	0.217	0.263	23.7
Trichlorofluoromethane	0.664	0.673	0.522	0.494	0.504	0.506	0.561	15
1,1,2-Trichlorotrifluoroethane	0.473	0.459	0.381	0.365	0.373	0.374	0.404	12
1,1-Dichloroethene	0.440	0.395	0.310	0.296	0.306	0.306	0.342	17.6
Acetone	0.281	0.239	0.228	0.216	0.229	0.226	0.236	9.8
Carbon Disulfide	0.740	0.759	0.398	0.396	0.422	0.443	0.526	33.1
Methyl tert-butyl Ether	1.569	1.591	1.468	1.461	1.528	1.531	1.525	3.4
Methyl Acetate	0.771	0.605	0.579	0.570	0.594	0.612	0.622	12
Methylene Chloride	0.587	0.530	0.423	0.396	0.411	0.415	0.460	17
trans-1,2-Dichloroethene	0.452	0.450	0.331	0.323	0.336	0.333	0.371	16.8
1,1-Dichloroethane	0.982	0.972	0.857	0.833	0.867	0.869	0.897	7.1
Cyclohexane		1.025	0.602	0.564	0.564	0.564	0.664	30.5
2-Butanone	0.310	0.325	0.315	0.318	0.334	0.330	0.322	2.9
Carbon Tetrachloride	0.403	0.371	0.331	0.345	0.358	0.367	0.362	6.8
cis-1,2-Dichloroethene	0.540	0.576	0.476	0.479	0.487	0.485	0.507	8.1
Bromochloromethane	0.480	0.411	0.374	0.430	0.425	0.425	0.424	8.1
Chloroform	1.123	1.020	0.903	0.895	0.926	0.924	0.965	9.2
1,1,1-Trichloroethane	0.725	0.751	0.716	0.720	0.749	0.748	0.735	2.2
Methylcyclohexane	0.451	0.462	0.332	0.340	0.345	0.352	0.380	15.7
Benzene	1.209	1.233	1.042	1.042	1.045	1.036	1.101	8.5
1,2-Dichloroethane	0.503	0.503	0.437	0.438	0.442	0.450	0.462	6.9
Trichloroethene	0.274	0.307	0.253	0.258	0.261	0.264	0.270	7.2
1,2-Dichloropropane	0.330	0.351	0.323	0.323	0.321	0.327	0.329	3.4
Bromodichloromethane	0.393	0.396	0.405	0.424	0.443	0.452	0.419	6
4-Methyl-2-Pentanone	0.364	0.390	0.398	0.402	0.365	0.309	0.371	9.3
Toluene	0.726	0.743	0.656	0.667	0.674	0.675	0.690	5.1
t-1,3-Dichloropropene	0.369	0.371	0.412	0.449	0.478	0.496	0.429	12.6
cis-1,3-Dichloropropene	0.434	0.452	0.453	0.484	0.502	0.518	0.474	7
1,1,2-Trichloroethane	0.300	0.309	0.304	0.304	0.308	0.313	0.306	1.5

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG No.: K4939
 Instrument ID: MSVOA_N Calibration Date(s): 09/18/2019 09/18/2019
 Heated Purge: (Y/N) N Calibration Time(s): 09:21 11:11
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN058152.D	RRF005 = VN058153.D	RRF020 = VN058154.D	RRF050 = VN058155.D	RRF100 = VN058156.D	RRF150 = VN058157.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.259	0.276	0.285	0.296	0.283	0.254	0.276	5.9
Dibromochloromethane	0.236	0.256	0.284	0.312	0.331	0.348	0.295	14.8
1,2-Dibromoethane	0.273	0.288	0.276	0.282	0.290	0.294	0.284	2.8
Tetrachloroethene	0.277	0.284	0.218	0.226	0.225	0.233	0.244	11.9
Chlorobenzene	0.952	0.966	0.830	0.841	0.845	0.843	0.879	7.1
Ethyl Benzene	1.637	1.678	1.463	1.515	1.446	1.302	1.507	9.1
m/p-Xylenes	0.601	0.604	0.544	0.557	0.555	0.544	0.568	4.9
o-Xylene	0.563	0.574	0.530	0.551	0.561	0.570	0.558	2.9
Styrene	0.870	0.977	0.942	0.991	1.007	0.982	0.962	5.2
Bromoform	0.146	0.169	0.191	0.218	0.235	0.255	0.203	20.4
Isopropylbenzene	3.369	3.441	3.195	3.139	2.992	2.642	3.130	9.2
1,1,2,2-Tetrachloroethane	1.088	1.039	1.051	1.028	1.030	1.053	1.048	2.1
1,3-Dichlorobenzene	1.395	1.470	1.443	1.422	1.450	1.448	1.438	1.8
1,4-Dichlorobenzene	1.534	1.494	1.417	1.444	1.465	1.455	1.468	2.8
1,2-Dichlorobenzene	1.410	1.456	1.441	1.445	1.449	1.453	1.442	1.2
1,2-Dibromo-3-Chloropropane	0.155	0.168	0.186	0.193	0.205	0.224	0.189	13.1
1,2,4-Trichlorobenzene	0.813	0.852	0.897	0.943	0.990	1.035	0.922	9.1
1,2,3-Trichlorobenzene	0.755	0.804	0.848	0.904	0.941	0.974	0.871	9.6
1,2-Dichloroethane-d4		0.712	0.658	0.703	0.709	0.699	0.696	3.2
Dibromofluoromethane		0.305	0.284	0.312	0.307	0.312	0.304	3.8
Toluene-d8		1.237	1.137	1.245	1.184	1.117	1.184	4.8
4-Bromofluorobenzene		0.431	0.403	0.453	0.454	0.458	0.440	5.3

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 82N091819W.M
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Calibration Files

1 =VN058152.D 5 =VN058153.D 20 =VN058154.D
 50 =VN058155.D 100 =VN058156.D 150 =VN058157.D

Compound	1	5	20	50	100	150	Avg	%RSD
-----ISTD-----								
1) I Pentafluorobenzene								
2) T Dichlorodifluorom	0.433	0.479	0.394	0.375	0.390	0.393	0.411	9.43
3) P Chloromethane	0.542	0.497	0.328	0.304	0.311	0.315	0.383	28.07
4) C Vinyl Chloride	0.512	0.499	0.352	0.340	0.341	0.343	0.398	21.00#
5) T Bromomethane		0.266	0.173	0.175	0.180	0.188	0.197	20.01
6) T Chloroethane	0.359	0.323	0.238	0.223	0.218	0.217	0.263	23.67
7) T Trichlorofluorome	0.664	0.673	0.522	0.494	0.504	0.506	0.561	15.05
8) T Diethyl Ether	0.292	0.289	0.237	0.240	0.239	0.243	0.257	10.22
9) T 1,1,2-Trichlorotr	0.473	0.459	0.381	0.365	0.373	0.374	0.404	11.96
10) T Methyl Iodide		0.341	0.303	0.324	0.354	0.371	0.339	7.78
11) T Tert butyl alcoho		0.081	0.079	0.081	0.085	0.089	0.083	4.84
12) CM 1,1-Dichloroethen	0.440	0.395	0.310	0.296	0.306	0.306	0.342	17.64#
13) T Acrolein		0.013	0.011	0.012	0.012	0.014	0.012	8.31
14) T Allyl chloride	0.696	0.745	0.603	0.613	0.648	0.663	0.661	8.05
15) T Acrylonitrile	0.216	0.218	0.217	0.217	0.227	0.230	0.221	2.78
16) T Acetone	0.281	0.239	0.228	0.216	0.229	0.226	0.236	9.78
17) T Carbon Disulfide	0.740	0.759	0.398	0.396	0.422	0.443	0.526	33.06
18) T Methyl Acetate	0.771	0.605	0.579	0.570	0.594	0.612	0.622	12.00
19) T Methyl tert-butyl	1.569	1.591	1.468	1.461	1.528	1.531	1.525	3.44
20) T Methylene Chlorid	0.587	0.530	0.423	0.396	0.411	0.415	0.460	17.05
21) T trans-1,2-Dichlor	0.452	0.450	0.331	0.323	0.336	0.333	0.371	16.84
22) T Diisopropyl ether	1.726	1.749	1.610	1.617	1.671	1.708	1.680	3.44
23) T Vinyl Acetate	1.165	1.260	1.141	1.179	1.147	1.005	1.150	7.21
24) P 1,1-Dichloroethan	0.982	0.972	0.857	0.833	0.867	0.869	0.897	7.10
25) T 2-Butanone	0.310	0.325	0.315	0.318	0.334	0.330	0.322	2.85
26) T 2,2-Dichloropropa	0.880	0.776	0.700	0.706	0.752	0.751	0.761	8.56
27) T cis-1,2-Dichloroe	0.540	0.576	0.476	0.479	0.487	0.485	0.507	8.12
28) T Bromochloromethan	0.480	0.411	0.374	0.430	0.425	0.425	0.424	8.06
29) T Tetrahydrofuran	0.207	0.203	0.192	0.189	0.197	0.202	0.198	3.43
30) C Chloroform	1.123	1.020	0.903	0.895	0.926	0.924	0.965	9.24#
31) T Cyclohexane		1.025	0.602	0.564	0.564	0.564	0.664	30.54
32) T 1,1,1-Trichloroet	0.725	0.751	0.716	0.720	0.749	0.748	0.735	2.22
33) S 1,2-Dichloroethan		0.712	0.658	0.703	0.709	0.699	0.696	3.16
-----ISTD-----								
34) I 1,4-Difluorobenzene								
35) S Dibromofluorometh		0.305	0.284	0.312	0.307	0.312	0.304	3.82
36) T 1,1-Dichloroprope	0.433	0.409	0.327	0.327	0.329	0.338	0.361	13.17
37) T Ethyl Acetate	0.373	0.381	0.361	0.372	0.374	0.384	0.374	2.18
38) T Carbon Tetrachlor	0.403	0.371	0.331	0.345	0.358	0.367	0.362	6.83
39) T Methylcyclohexane	0.451	0.462	0.332	0.340	0.345	0.352	0.380	15.66
40) TM Benzene	1.209	1.233	1.042	1.042	1.045	1.036	1.101	8.48
41) T Methacrylonitrile	0.217	0.132	0.161	0.188	0.200	0.187	0.181	16.74
42) TM 1,2-Dichloroethan	0.503	0.503	0.437	0.438	0.442	0.450	0.462	6.94
43) T Isopropyl Acetate	0.741	0.741	0.655	0.665	0.685	0.706	0.699	5.34
44) TM Trichloroethene	0.274	0.307	0.253	0.258	0.261	0.264	0.270	7.23
45) C 1,2-Dichloropropa	0.330	0.351	0.323	0.323	0.321	0.327	0.329	3.39#
46) T Dibromomethane	0.206	0.212	0.193	0.194	0.196	0.199	0.200	3.80
47) T Bromodichlorometh	0.393	0.396	0.405	0.424	0.443	0.452	0.419	5.96
48) T Methyl methacryla	0.292	0.314	0.311	0.320	0.328	0.340	0.317	5.12
49) T 1,4-Dioxane	0.005	0.005	0.005	0.005	0.005	0.005	0.005	3.49
50) S Toluene-d8		1.237	1.137	1.245	1.184	1.117	1.184	4.85
51) T 4-Methyl-2-Pentan	0.364	0.390	0.398	0.402	0.365	0.309	0.371	9.33
52) CM Toluene	0.726	0.743	0.656	0.667	0.674	0.675	0.690	5.13#

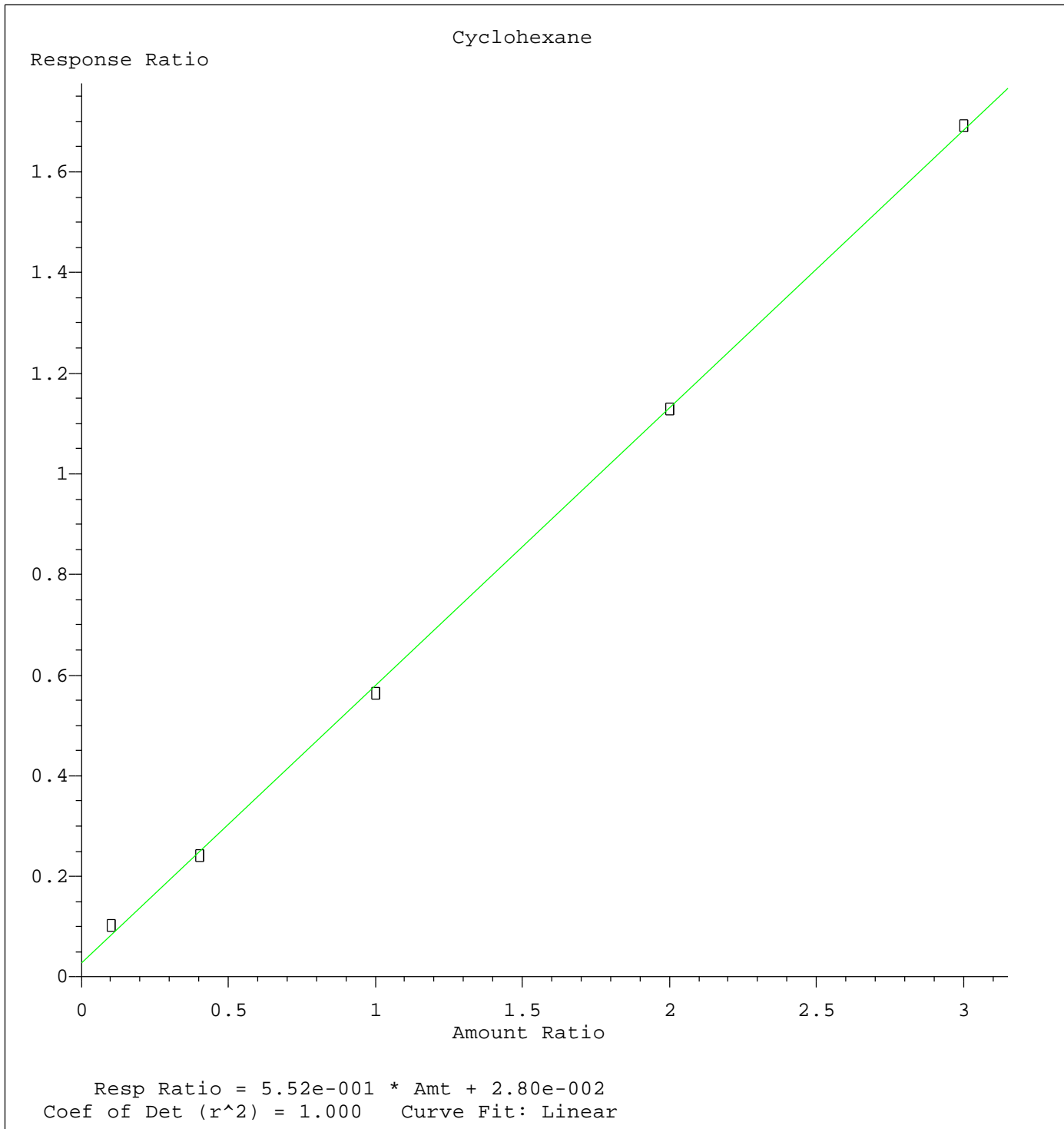
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 Method File : 82N091819W.M
 Title : SW846 8260
 Last Update : Thu Sep 19 09:27:53 2019
 Response Via : Initial Calibration

Calibration Files

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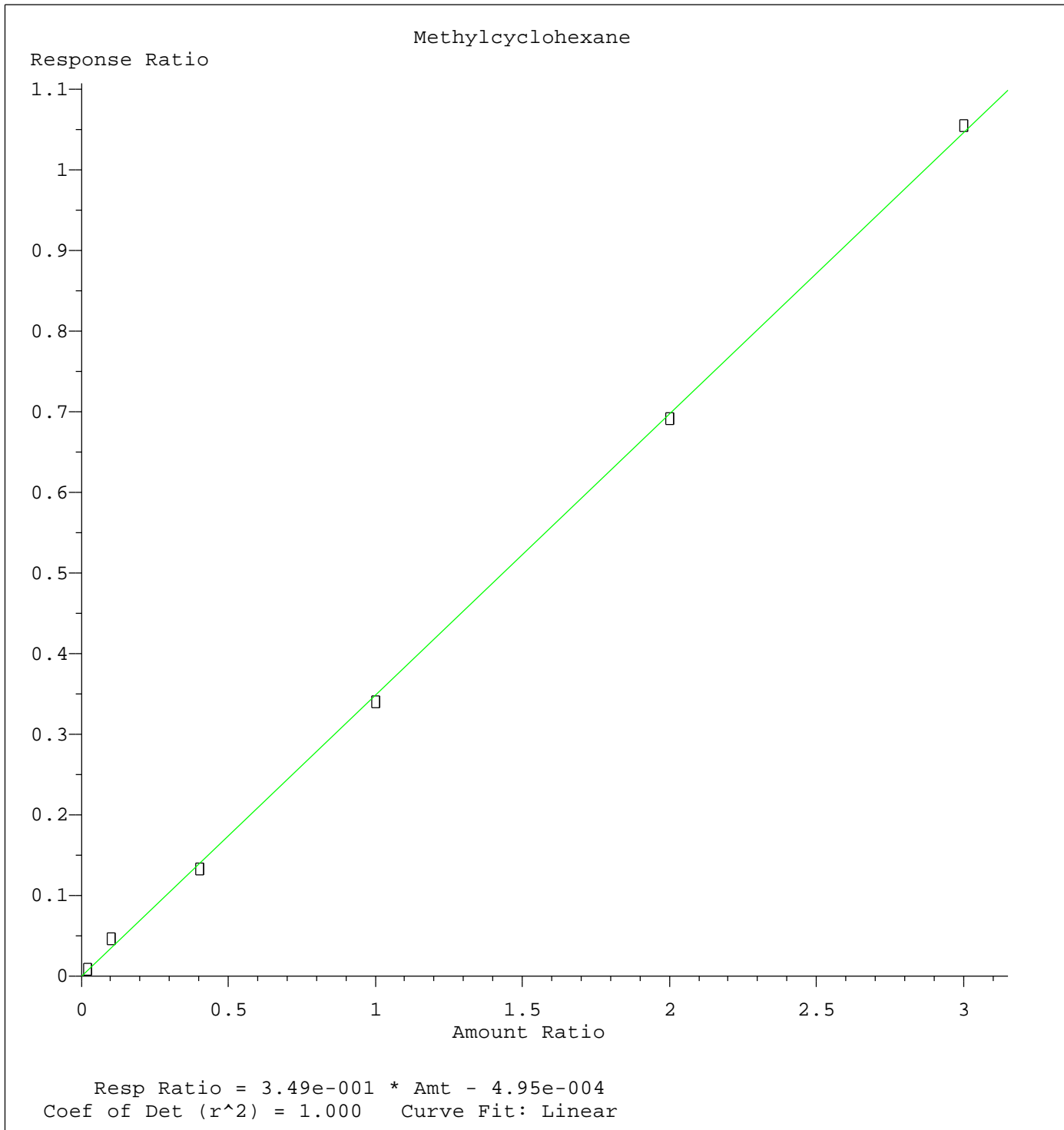
	Compound	1	5	20	50	100	150	Avg	%RSD
53) T	t-1,3-Dichloropro	0.369	0.371	0.412	0.449	0.478	0.496	0.429	12.57
54) T	cis-1,3-Dichlorop	0.434	0.452	0.453	0.484	0.502	0.518	0.474	6.96
55) T	1,1,2-Trichloroet	0.300	0.309	0.304	0.304	0.308	0.313	0.306	1.45
56) T	Ethyl methacrylat	0.361	0.424	0.431	0.463	0.479	0.493	0.442	10.78
57) T	1,3-Dichloropropa	0.538	0.541	0.515	0.519	0.519	0.527	0.527	2.02
58) T	2-Chloroethyl Vin	0.193	0.195	0.192	0.234	0.229	0.221	0.211	9.20
59) T	2-Hexanone	0.259	0.276	0.285	0.296	0.283	0.254	0.276	5.90
60) T	Dibromochlorometh	0.236	0.256	0.284	0.312	0.331	0.348	0.295	14.77
61) T	1,2-Dibromoethane	0.273	0.288	0.276	0.282	0.290	0.294	0.284	2.85
62) S	4-Bromofluorobenz		0.431	0.403	0.453	0.454	0.458	0.440	5.30
63) I	Chlorobenzene-d5	-----ISTD-----							
64) T	Tetrachloroethene	0.277	0.284	0.218	0.226	0.225	0.233	0.244	11.86
65) PM	Chlorobenzene	0.952	0.966	0.830	0.841	0.845	0.843	0.879	7.05
66) T	1,1,1,2-Tetrachlo	0.294	0.306	0.307	0.326	0.335	0.345	0.319	6.19
67) C	Ethyl Benzene	1.637	1.678	1.463	1.515	1.446	1.302	1.507	9.08#
68) T	m/p-Xylenes	0.601	0.604	0.544	0.557	0.555	0.544	0.568	4.86
69) T	o-Xylene	0.563	0.574	0.530	0.551	0.561	0.570	0.558	2.85
70) T	Styrene	0.870	0.977	0.942	0.991	1.007	0.982	0.962	5.16
71) P	Bromoform	0.146	0.169	0.191	0.218	0.235	0.255	0.203	20.39
72) I	1,4-Dichlorobenzene-d	-----ISTD-----							
73) T	Isopropylbenzene	3.369	3.441	3.195	3.139	2.992	2.642	3.130	9.21
74) T	N-amyl acetate	1.067	1.254	1.307	1.366	1.416	1.446	1.309	10.53
75) P	1,1,2,2-Tetrachlo	1.088	1.039	1.051	1.028	1.030	1.053	1.048	2.11
76) T	1,2,3-Trichloropr	0.942	0.957	0.866	0.856	0.860	0.889	0.895	4.90
77) T	Bromobenzene	0.893	0.810	0.765	0.745	0.747	0.763	0.787	7.23
78) T	n-propylbenzene	3.720	3.991	3.712	3.660	3.378	2.877	3.556	10.85
79) T	2-Chlorotoluene	2.232	2.405	2.222	2.191	2.190	2.096	2.223	4.57
80) T	1,3,5-Trimethylbe	2.574	2.852	2.732	2.726	2.623	2.372	2.647	6.26
81) T	trans-1,4-Dichlor		0.196	0.238	0.278	0.308	0.334	0.271	20.34
82) T	4-Chlorotoluene	2.373	2.463	2.323	2.333	2.317	2.208	2.336	3.55
83) T	tert-Butylbenzene	2.346	2.473	2.397	2.381	2.350	2.214	2.360	3.60
84) T	1,2,4-Trimethylbe	2.578	2.761	2.738	2.725	2.640	2.359	2.634	5.73
85) T	sec-Butylbenzene	3.114	3.302	3.199	3.213	3.048	2.641	3.086	7.61
86) T	p-Isopropyltoluen	2.587	2.862	2.883	2.904	2.781	2.446	2.744	6.79
87) T	1,3-Dichlorobenze	1.395	1.470	1.443	1.422	1.450	1.448	1.438	1.81
88) T	1,4-Dichlorobenze	1.534	1.494	1.417	1.444	1.465	1.455	1.468	2.79
89) T	n-Butylbenzene	2.480	2.615	2.665	2.761	2.681	2.405	2.601	5.14
90) T	Hexachloroethane	0.344	0.357	0.412	0.453	0.480	0.511	0.426	15.76
91) T	1,2-Dichlorobenze	1.410	1.456	1.441	1.445	1.449	1.453	1.442	1.16
92) T	1,2-Dibromo-3-Chl	0.155	0.168	0.186	0.193	0.205	0.224	0.189	13.13
93) T	1,2,4-Trichlorobe	0.813	0.852	0.897	0.943	0.990	1.035	0.922	9.12
94) T	Hexachlorobutadie	0.412	0.448	0.456	0.437	0.457	0.462	0.445	4.20
95) T	Naphthalene	2.013	2.134	2.412	2.601	2.673	2.497	2.388	10.99
96) T	1,2,3-Trichlorobe	0.755	0.804	0.848	0.904	0.941	0.974	0.871	9.59

(#) = Out of Range



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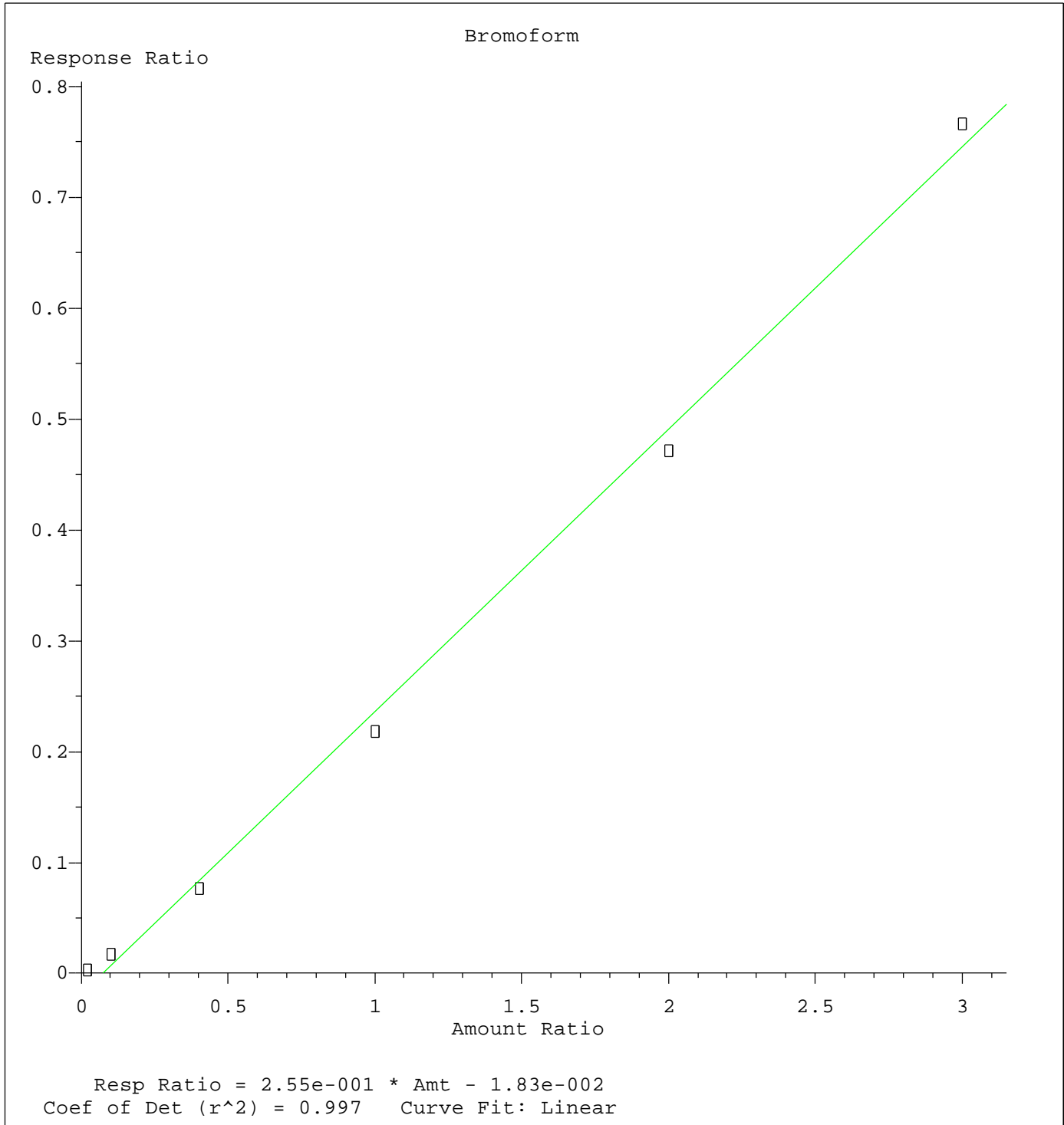
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Calibration Table Last Updated: Thu Sep 19 09:27:53 2019



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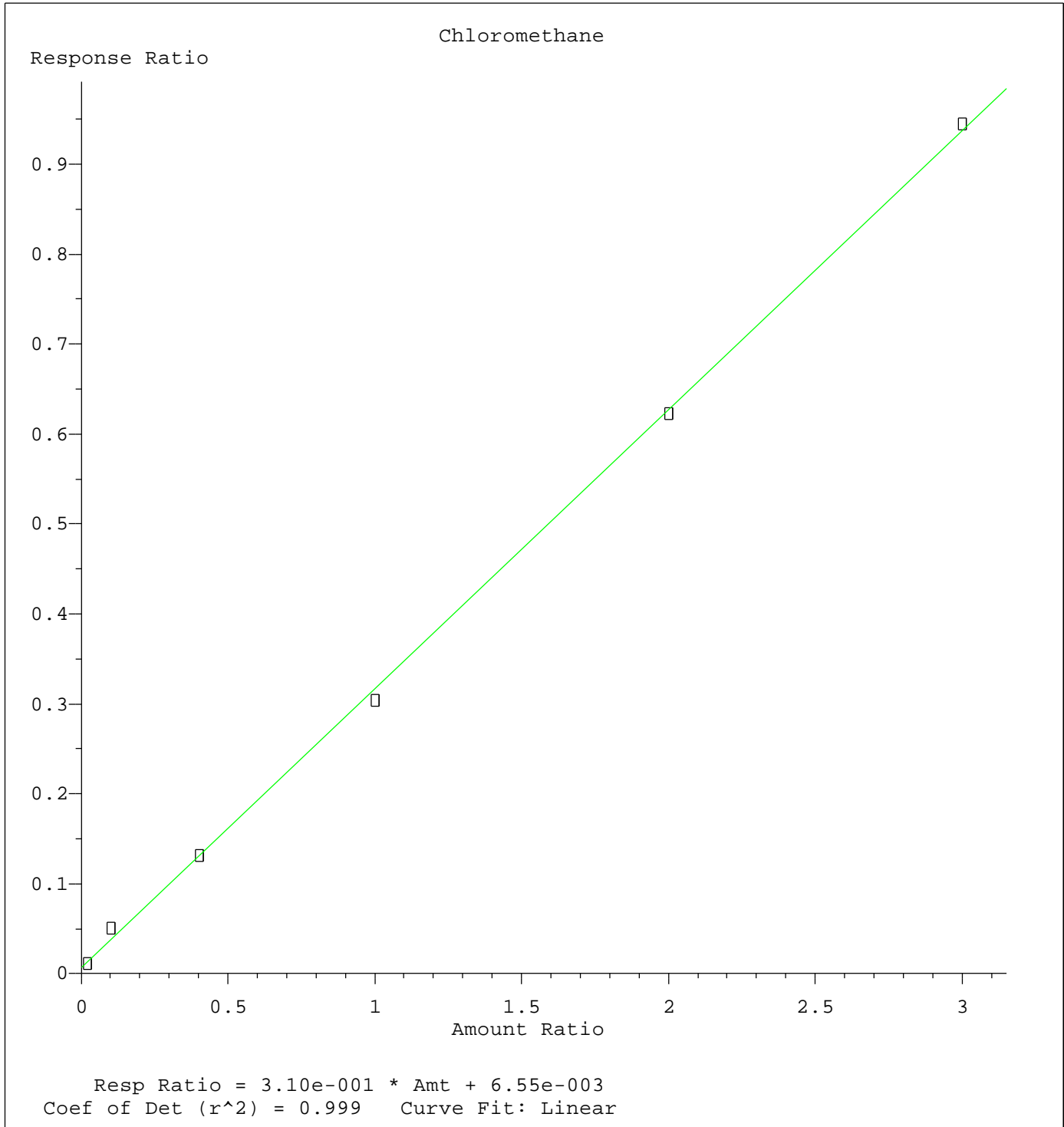
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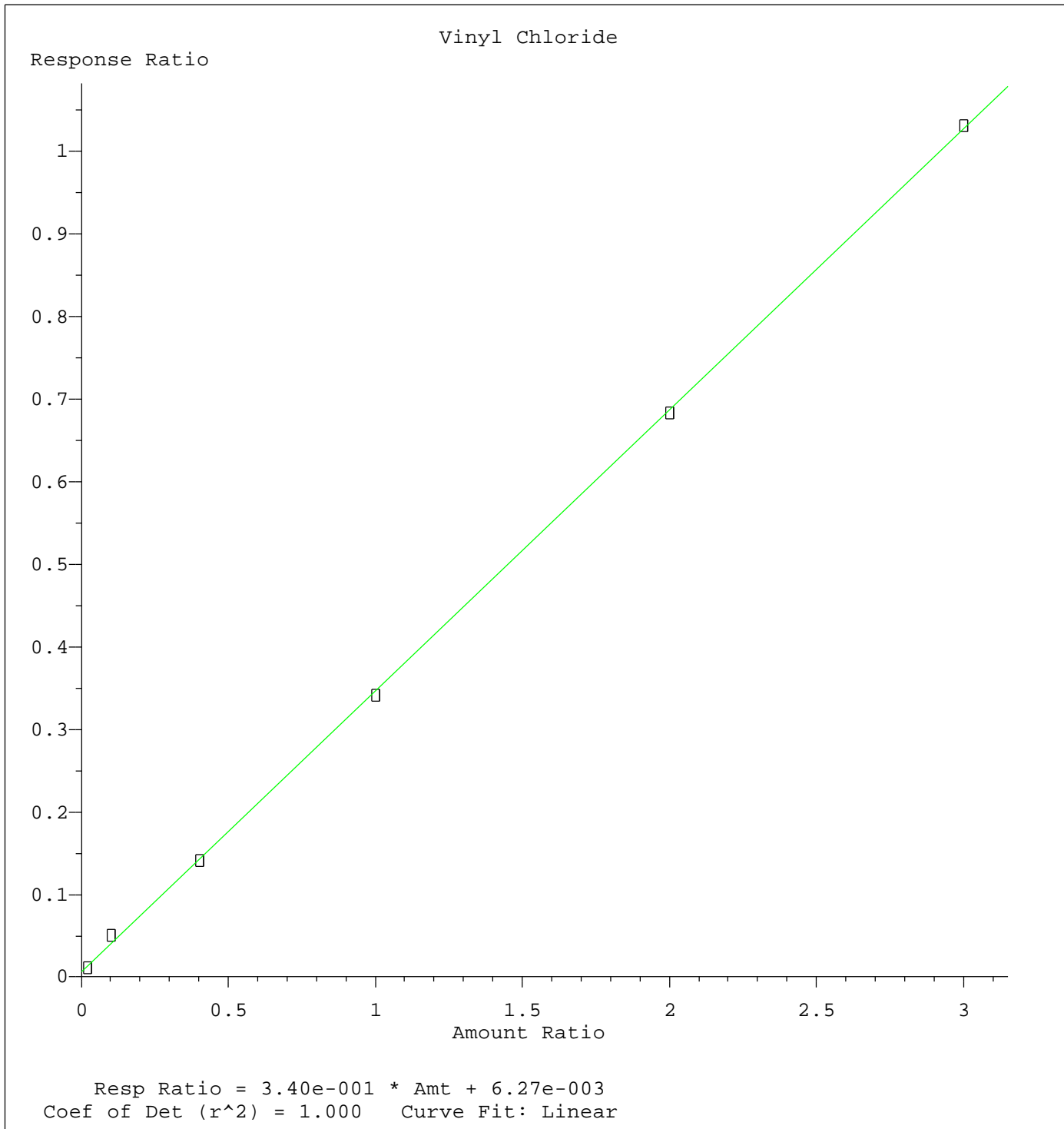


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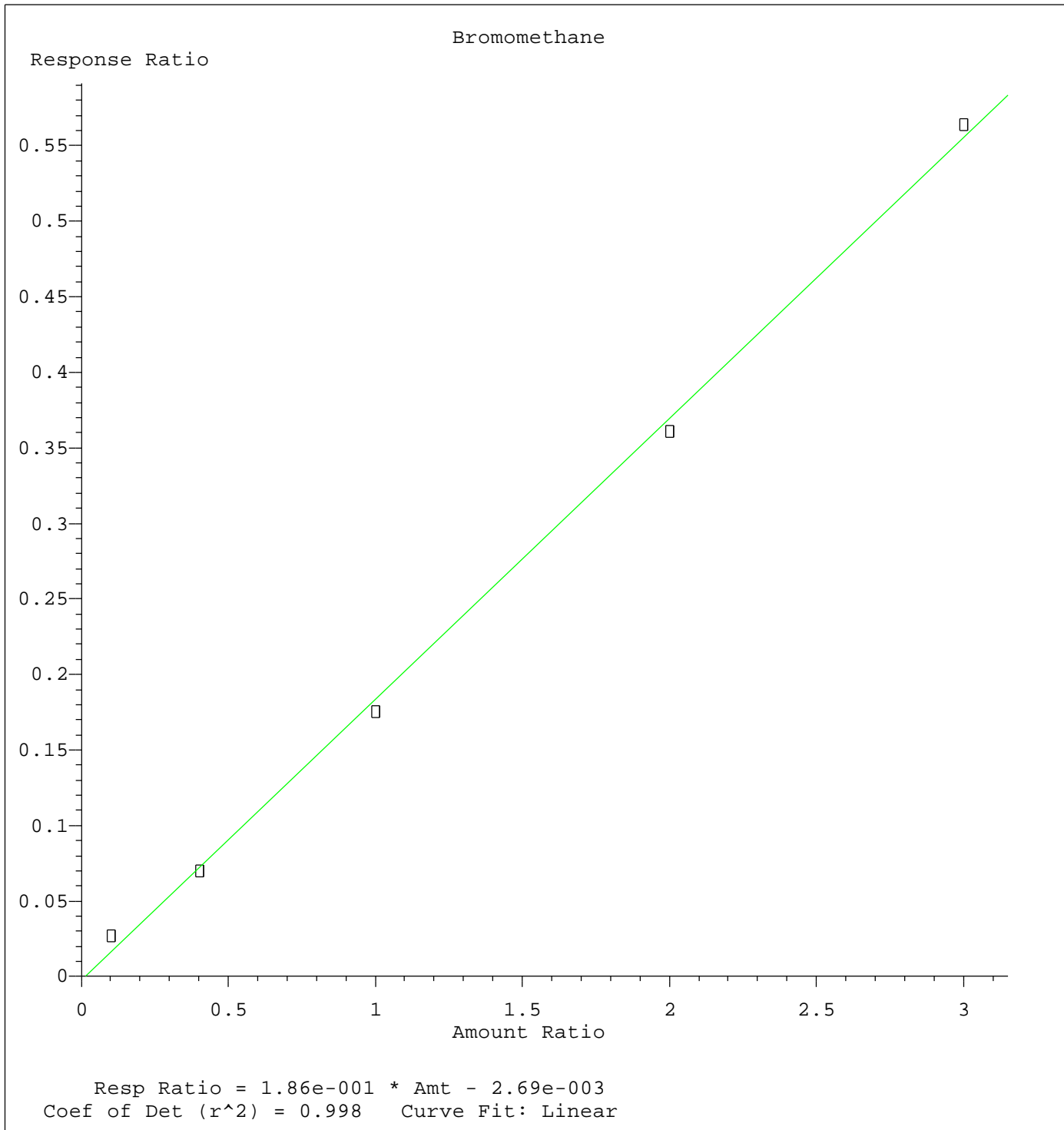


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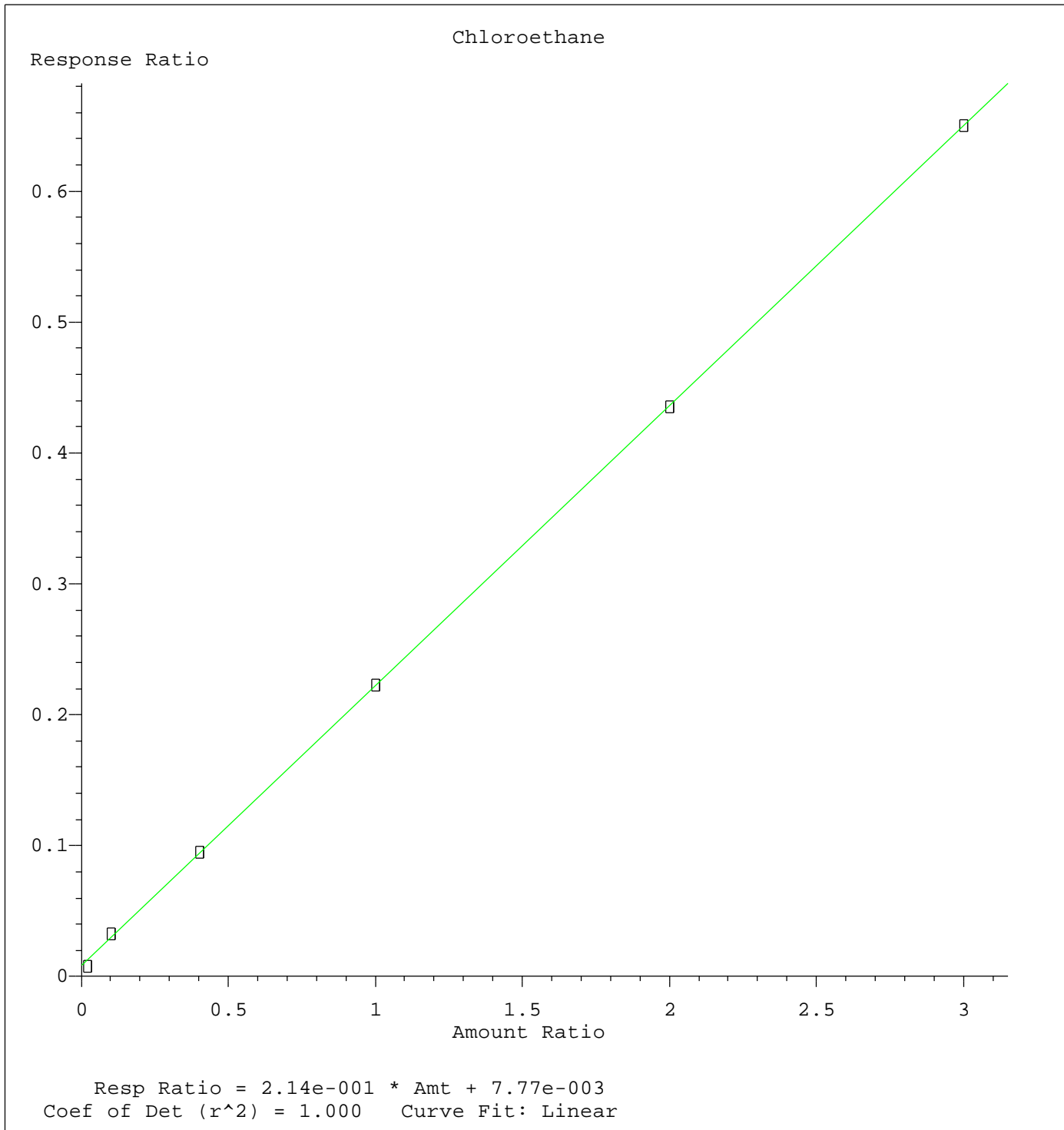
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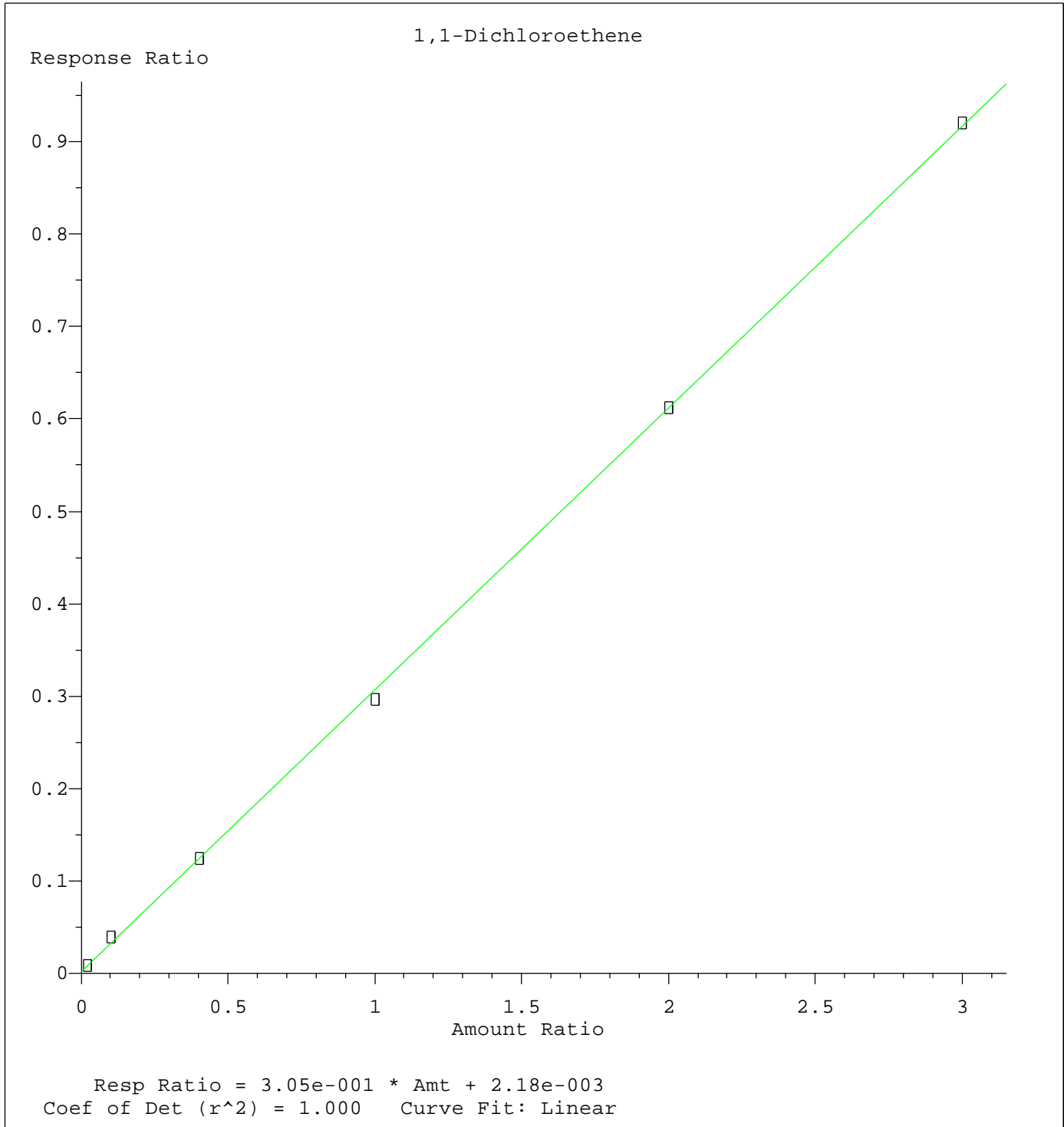
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
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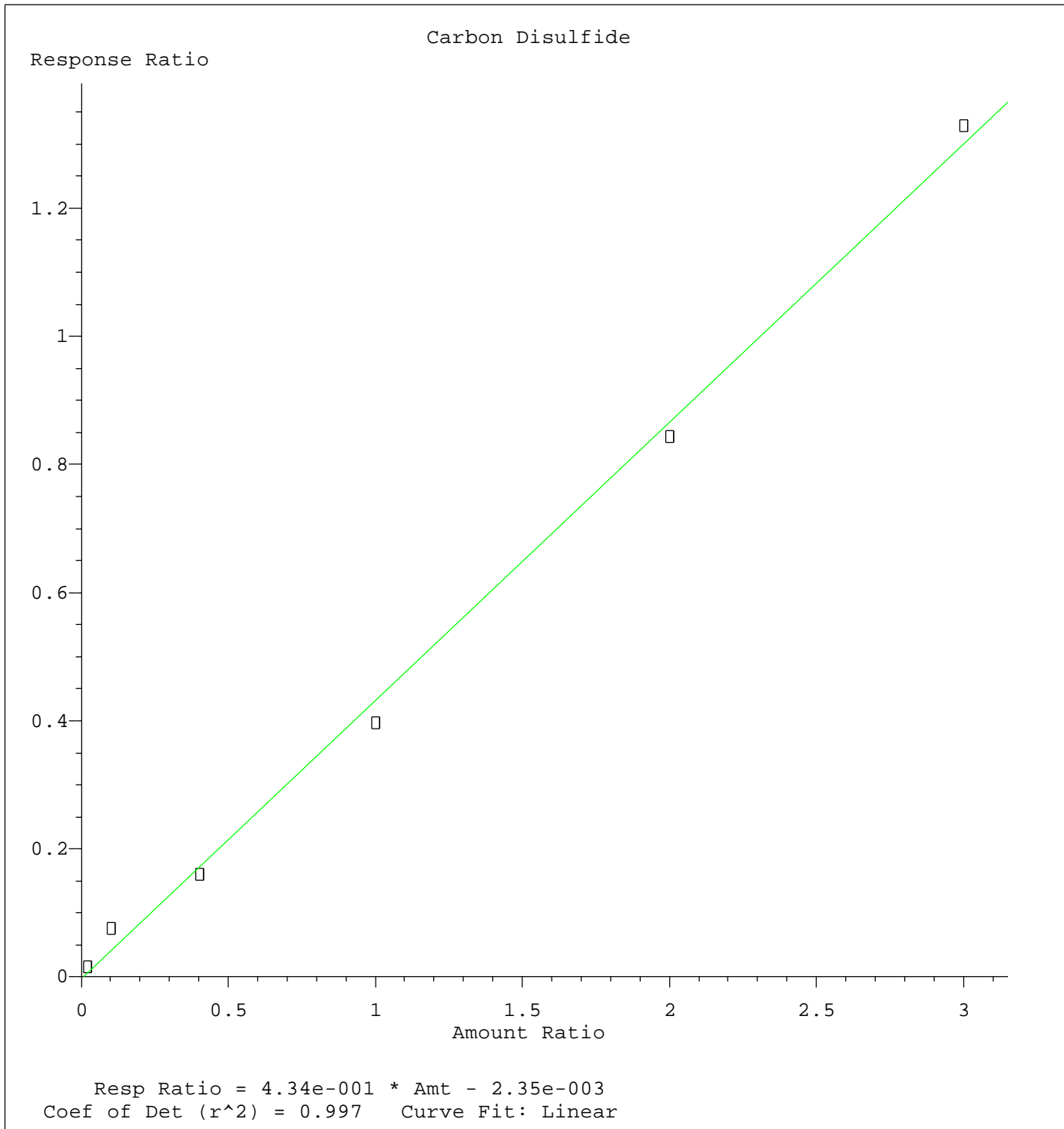
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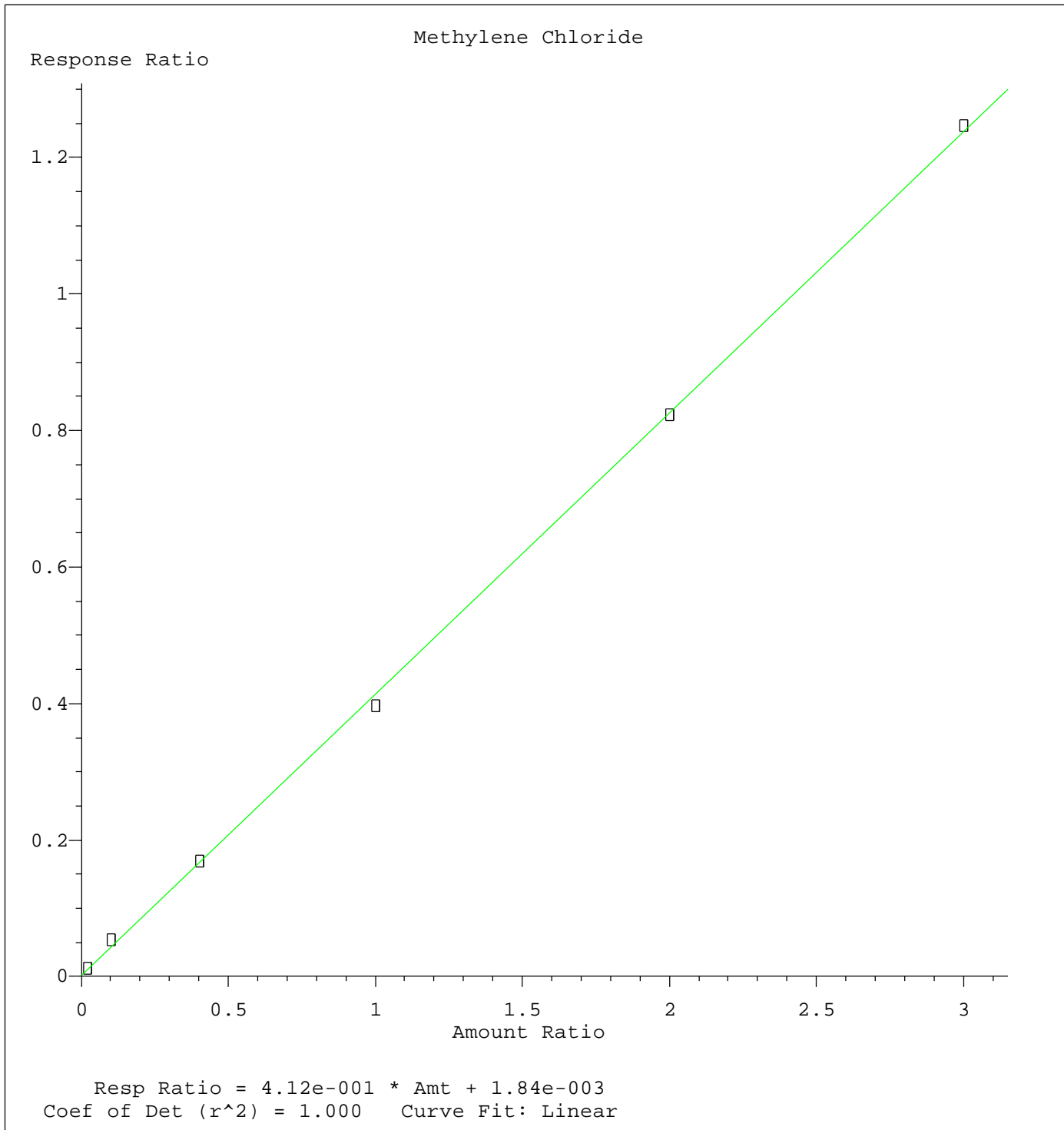
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
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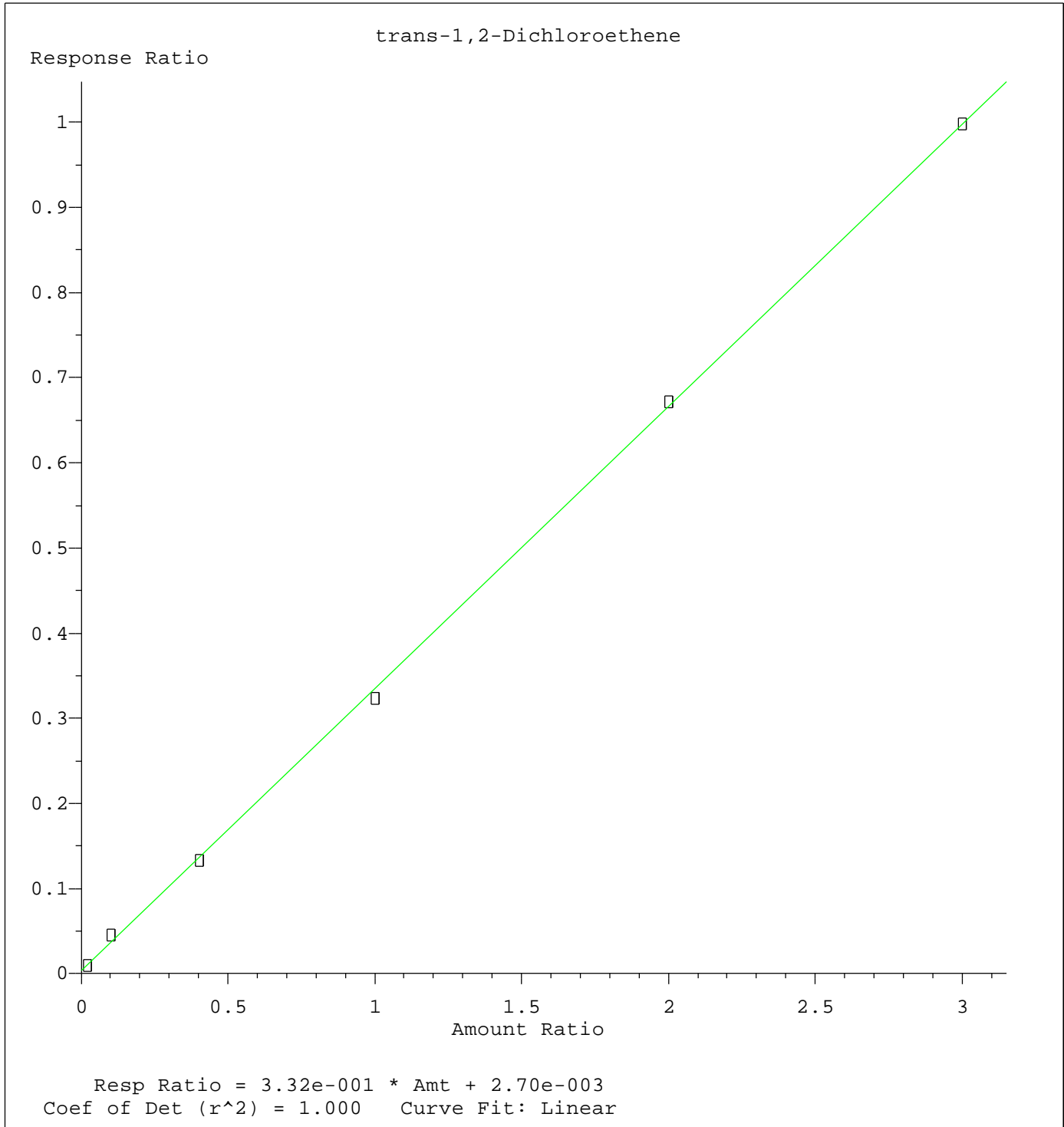


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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Calibration Table Last Updated: Thu Sep 19 09:27:53 2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
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 Acq On : 18 Sep 2019 9:21
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:09 PM

Quant Time: Sep 19 01:54:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	563932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	957566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	823388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	371819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	4881	0.677	ug/l	99
3) Chloromethane	2.04	50	6118	0.838	ug/l #	84
4) Vinyl Chloride	2.17	62	5777	0.749	ug/l #	88
6) Chloroethane	2.69	64	4048	0.819	ug/l	94
7) Trichlorofluoromethane	3.00	101	7493	0.763	ug/l	91
8) Diethyl Ether	3.40	74	3298	0.790	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	5333	0.850	ug/l	99
12) 1,1-Dichloroethene	3.71	96	4964	0.882	ug/l	86
14) Allyl chloride	4.29	41	7852	0.710	ug/l	88
15) Acrylonitrile	4.98	53	12167m	3.403	ug/l	
16) Acetone	3.80	43	15853	4.511	ug/l	97
17) Carbon Disulfide	4.03	76	8342	0.813	ug/l	98
18) Methyl Acetate	4.31	43	8696	0.925	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	17693	0.752	ug/l	93
20) Methylene Chloride	4.53	84	6615	0.866	ug/l #	86
21) trans-1,2-Dichloroethene	5.02	96	5093	0.837	ug/l #	72
22) Diisopropyl ether	5.93	45	19472	0.751	ug/l #	82
23) Vinyl Acetate	5.88	43	65724	3.596	ug/l	99
24) 1,1-Dichloroethane	5.82	63	11078m	0.783	ug/l	
25) 2-Butanone	6.82	43	17509	3.440	ug/l	92
26) 2,2-Dichloropropane	6.80	77	9921m	0.883	ug/l	
27) cis-1,2-Dichloroethene	6.81	96	6087	0.743	ug/l	83
28) Bromochloromethane	7.17	49	5416	0.766	ug/l #	92
29) Tetrahydrofuran	7.20	42	11660	3.717	ug/l	93
30) Chloroform	7.35	83	12665	0.853	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	8175	0.695	ug/l #	52
36) 1,1-Dichloropropene	7.78	75	8288	0.796	ug/l	97
37) Ethyl Acetate	6.91	43	7140m	0.662	ug/l	
38) Carbon Tetrachloride	7.76	117	7721m	0.809	ug/l	
39) Methylcyclohexane	9.07	83	8640	0.792	ug/l	94
40) Benzene	8.03	78	23161	0.739	ug/l	98
41) Methacrylonitrile	7.17	41	4158m	0.850	ug/l	
42) 1,2-Dichloroethane	8.11	62	9633	0.766	ug/l	95
43) Isopropyl Acetate	8.16	43	14194	0.782	ug/l #	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058152.D
 Acq On : 18 Sep 2019 9:21
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:09 PM

Quant Time: Sep 19 01:54:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	5241	0.680	ug/l	83
45) 1,2-Dichloropropane	9.11	63	6319	0.691	ug/l	90
46) Dibromomethane	9.20	93	3952	0.715	ug/l	97
47) Bromodichloromethane	9.39	83	7527	0.684	ug/l #	96
48) Methyl methacrylate	9.19	41	5595	0.611	ug/l	91
49) 1,4-Dioxane	9.19	88	2017	12.968	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	34845	3.282	ug/l	97
52) Toluene	10.15	92	13905	0.705	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	7065	0.611	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	8303	0.650	ug/l #	85
55) 1,1,2-Trichloroethane	10.56	97	5751	0.688	ug/l	96
56) Ethyl methacrylate	10.43	69	6919	0.552	ug/l #	84
57) 1,3-Dichloropropane	10.70	76	10299	0.715	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	18497	3.165	ug/l	99
59) 2-Hexanone	10.75	43	24817	3.126	ug/l	96
60) Dibromochloromethane	10.90	129	4528	0.584	ug/l	98
61) 1,2-Dibromoethane	11.00	107	5229	0.663	ug/l	99
64) Tetrachloroethene	10.63	164	4566	0.795	ug/l	91
65) Chlorobenzene	11.43	112	15672	0.773	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	4840	0.686	ug/l #	63
67) Ethyl Benzene	11.51	91	26963	0.760	ug/l	91
68) m/p-Xylenes	11.62	106	19794	1.523	ug/l	98
69) o-Xylene	11.95	106	9269	0.720	ug/l	95
70) Styrene	11.97	104	14330	0.647	ug/l	97
71) Bromoform	12.13	173	2406	0.549	ug/l #	96
73) Isopropylbenzene	12.25	105	25056	0.899	ug/l	100
74) N-amyl acetate	12.07	43	7934	0.658	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	8089	0.863	ug/l #	95
76) 1,2,3-Trichloropropane	12.56	75	7002m	0.868	ug/l	
77) Bromobenzene	12.53	156	6641	0.951	ug/l	90
78) n-propylbenzene	12.60	91	27662	0.866	ug/l	99
79) 2-Chlorotoluene	12.68	91	16596	0.820	ug/l	95
80) 1,3,5-Trimethylbenzene	12.74	105	19141	0.812	ug/l	94
82) 4-Chlorotoluene	12.78	91	17647	0.849	ug/l	100
83) tert-Butylbenzene	13.00	119	17446	0.833	ug/l	95
84) 1,2,4-Trimethylbenzene	13.05	105	19169	0.802	ug/l	99
85) sec-Butylbenzene	13.18	105	23157	0.835	ug/l	98
86) p-Isopropyltoluene	13.29	119	19235	0.789	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	10374	0.813	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	11408m	0.878	ug/l	
89) n-Butylbenzene	13.62	91	18444	0.798	ug/l	98
90) Hexachloroethane	13.88	117	2556	0.701	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	10487	0.820	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1155	0.743	ug/l #	22
93) 1,2,4-Trichlorobenzene	14.92	180	6046	0.716	ug/l	98
94) Hexachlorobutadiene	15.01	225	3061	0.845	ug/l	97
95) Naphthalene	15.13	128	14966	0.619	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	5615	0.680	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058152.D
 Acq On : 18 Sep 2019 9:21
 Operator : JC/SP
 Sample : VSTDICC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampled :
 VSTDICC001

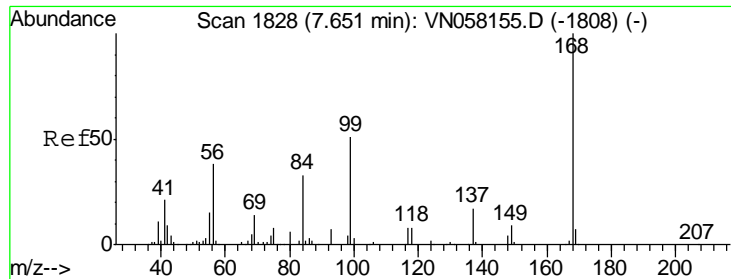
Manual Integrations
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 MMDadoda
 9/20/2019 1:14:09 PM

Quant Time: Sep 19 01:54:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min)

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



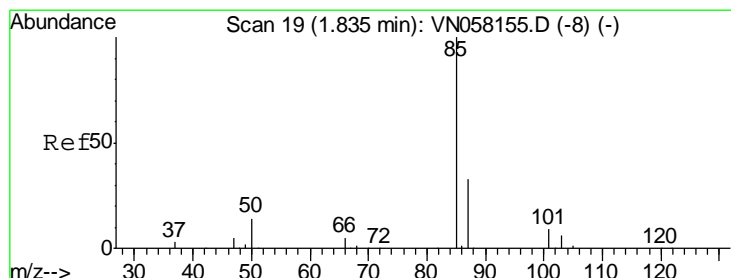
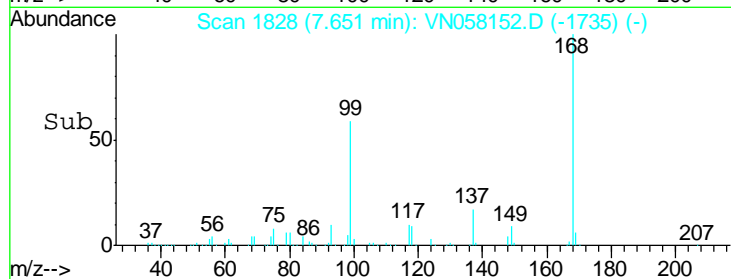
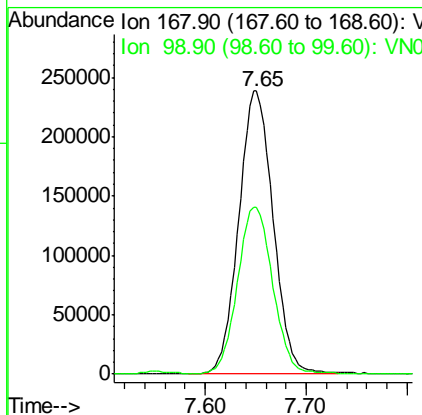
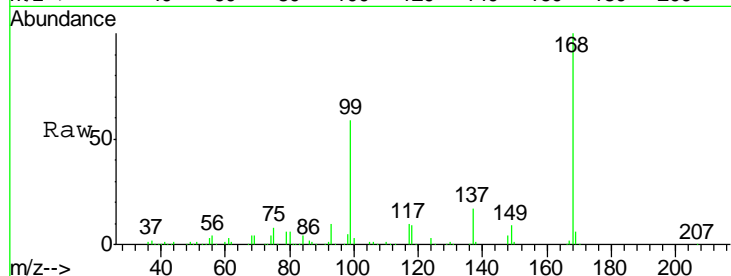
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
168	100		
99	58.6	47.4	71.2

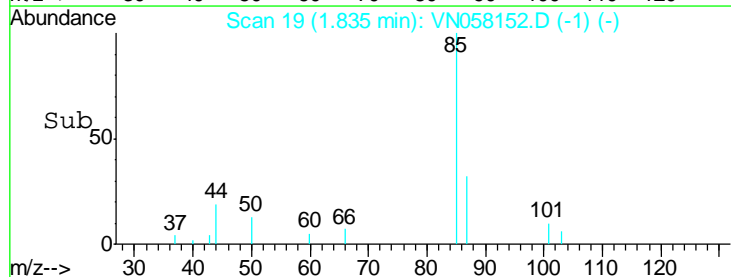
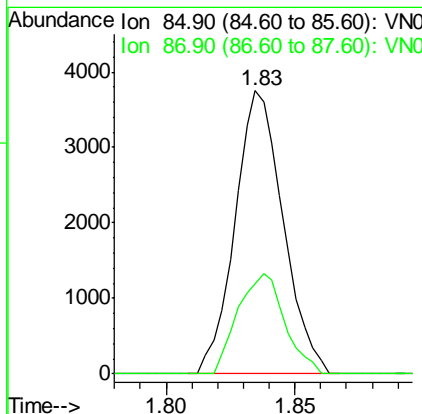
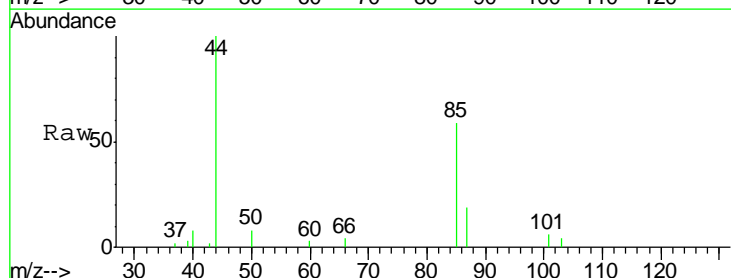
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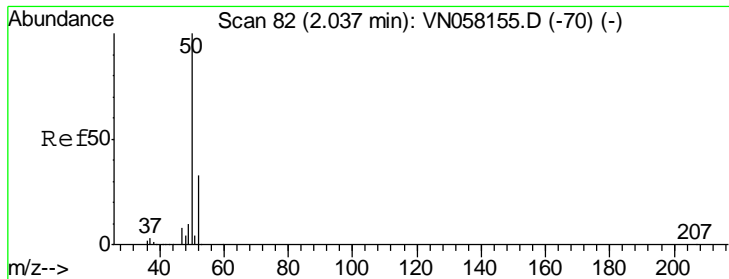
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 9/20/2019 1:14:09 PM



#2
 Dichlorodifluoromethane
 Concen: 0.677 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.9	16.3	48.9





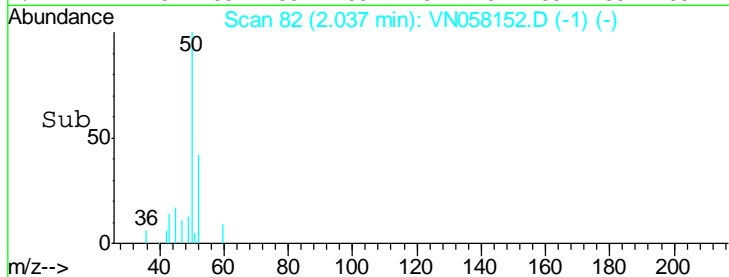
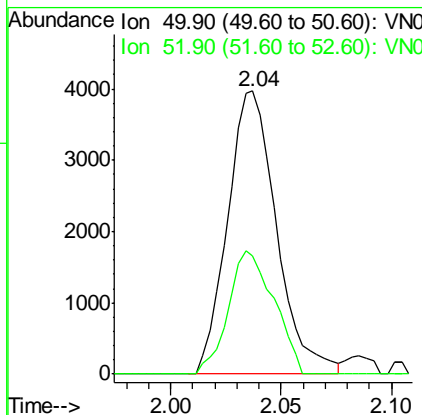
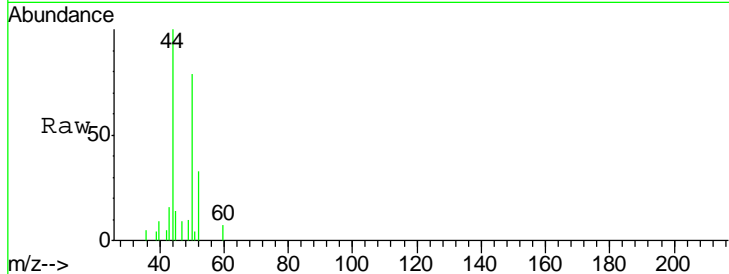
#3
 Chloromethane
 Concen: 0.838 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
50	6118		
52	41.8	26.3	39.5#

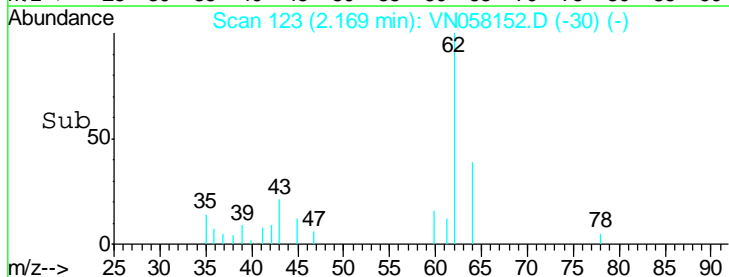
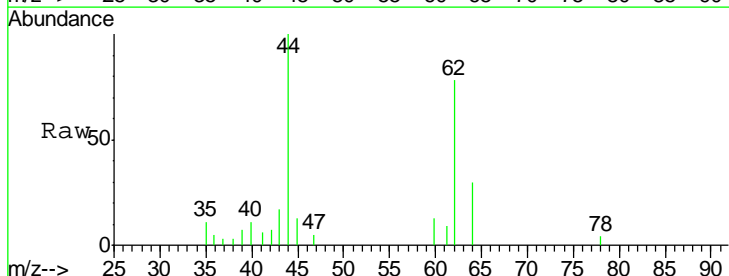
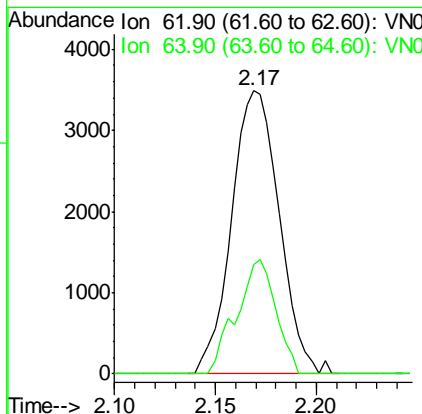
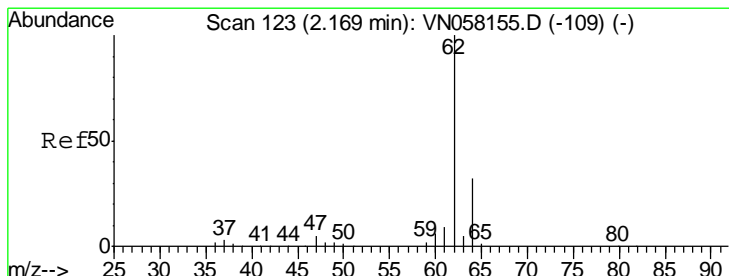
Manual Integrations
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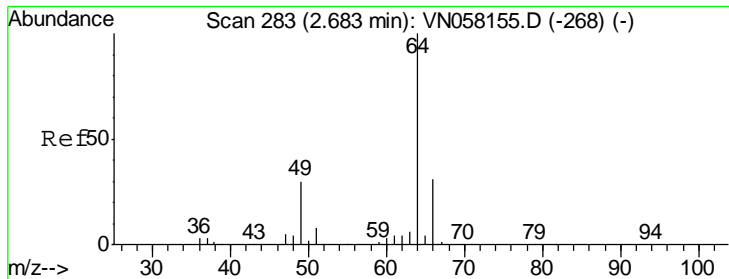
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#4
 Vinyl Chloride
 Concen: 0.749 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
62	5777		
64	38.7	25.4	38.2#



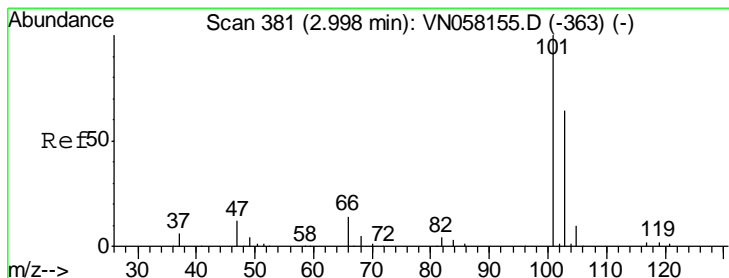
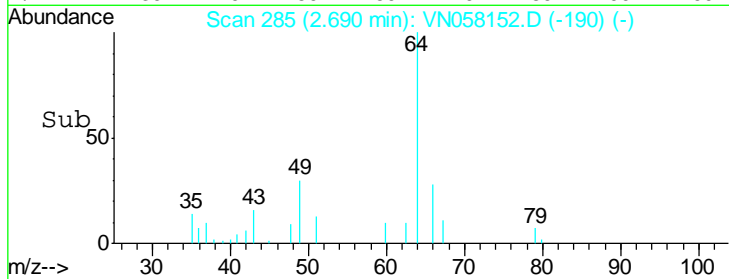
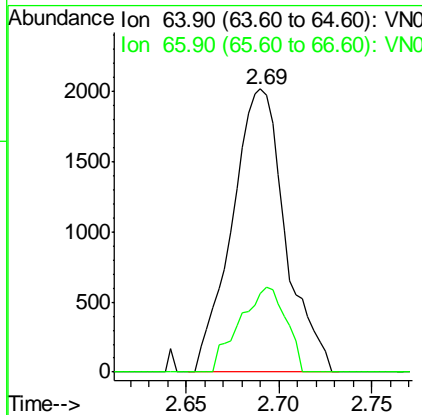
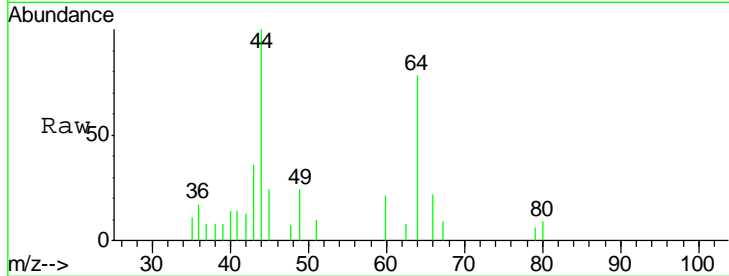


#6
 Chloroethane
 Concen: 0.819 ug/l
 RT: 2.69 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
64	100		
66	27.7	24.6	37.0

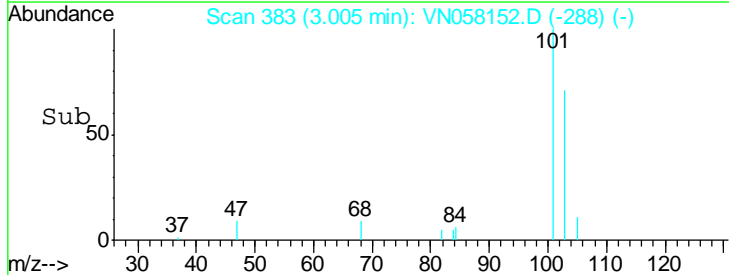
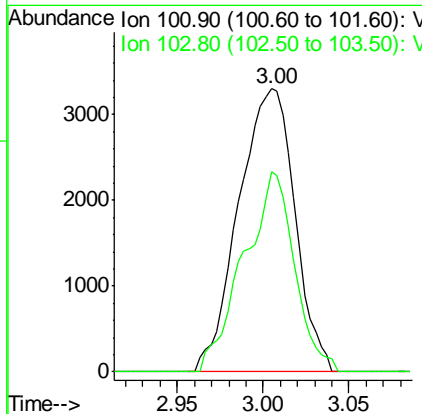
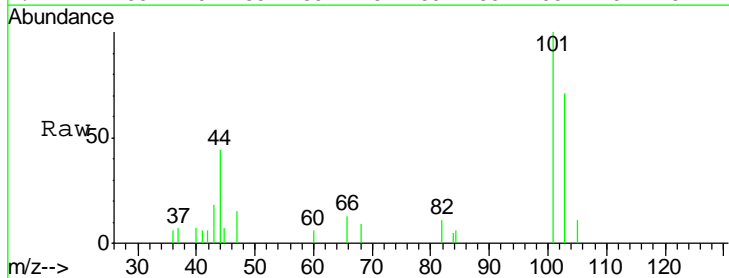
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

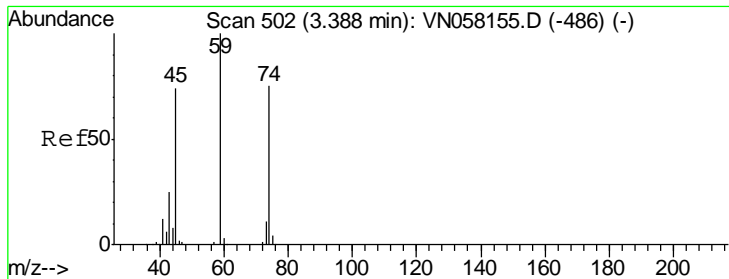
Manual Integrations
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#7
 Trichlorofluoromethane
 Concen: 0.763 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
101	100		
103	70.8	51.0	76.6





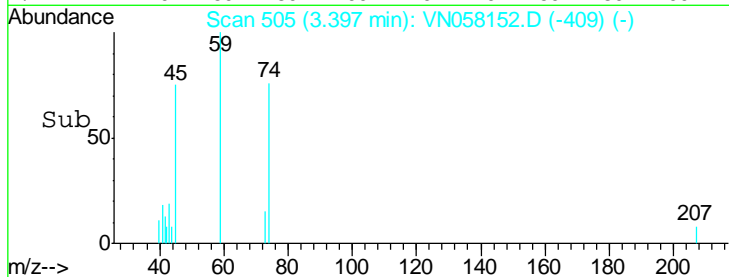
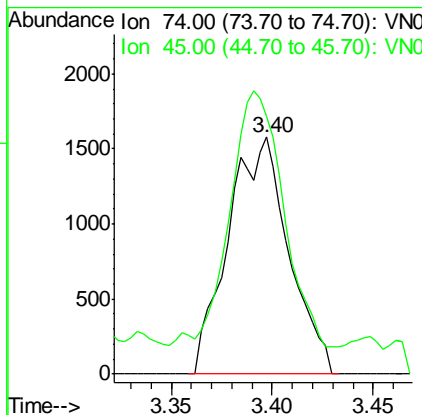
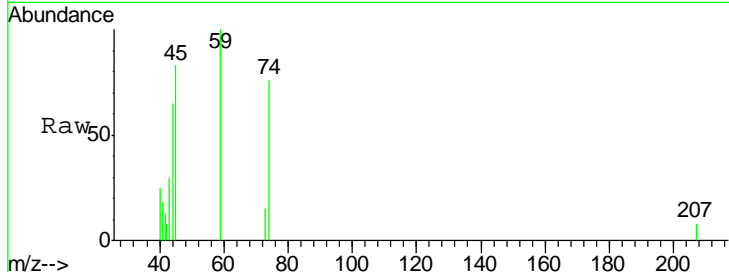
#8
 Diethyl Ether
 Concen: 0.790 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
74	100		
45	107.3	48.5	145.5

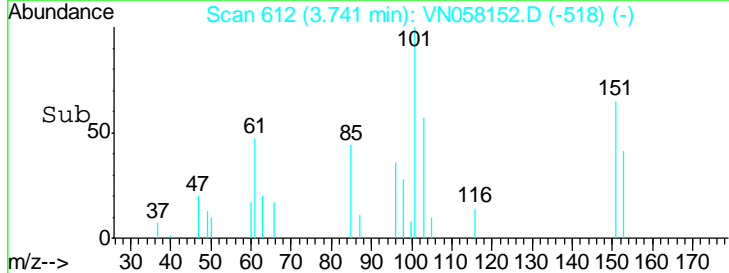
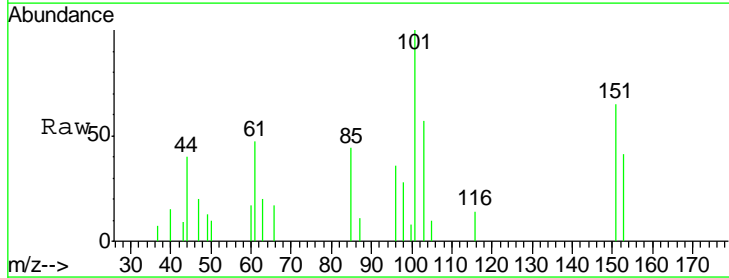
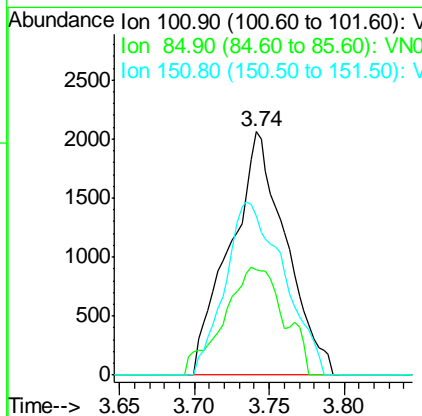
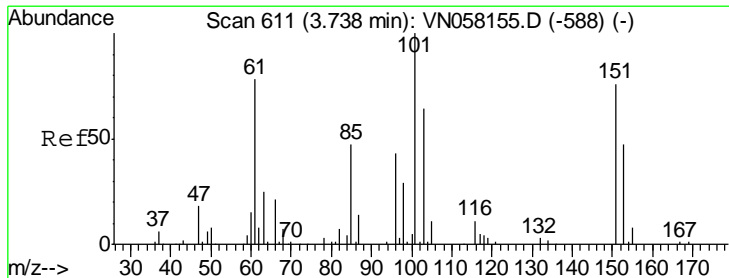
Manual Integrations
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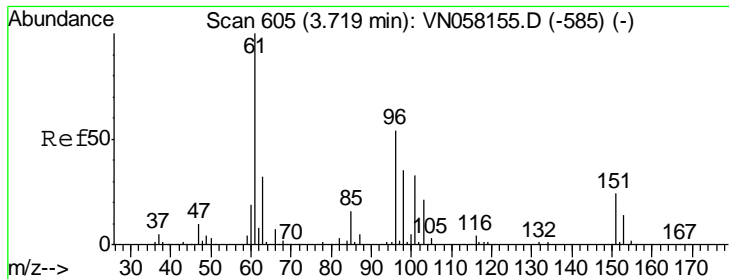
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#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.850 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

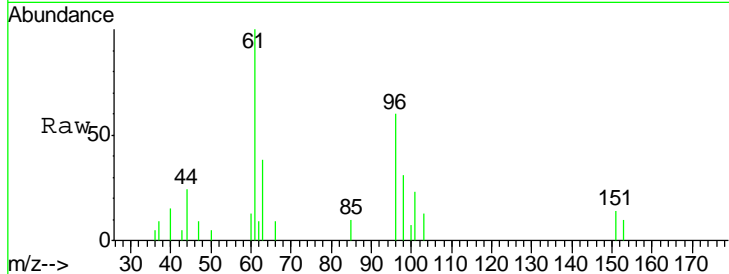
Tgt Ion	Resp	Lower	Upper
101	100		
85	47.7	37.3	55.9
151	74.7	59.6	89.4





#12
 1,1-Dichloroethene
 Concen: 0.882 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

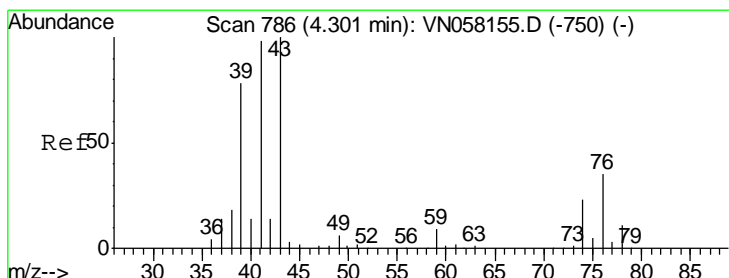
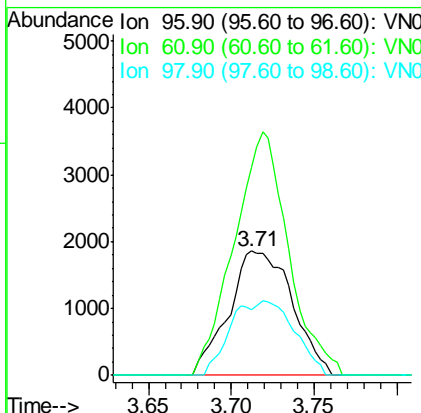
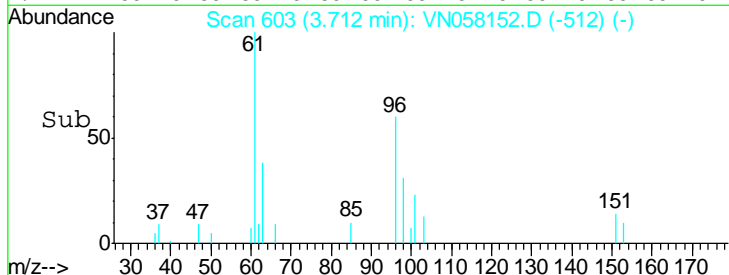
Instrument : MSVOA_N
 Client Sampled : VSTDIC001



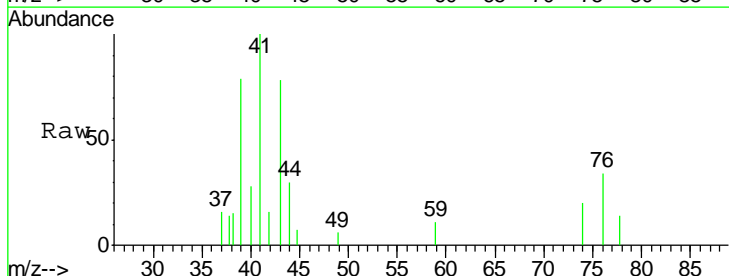
Tgt Ion	Resp	Lower	Upper
96	4964		
61	167.2	149.5	224.3
98	52.5	52.4	78.6

Manual Integrations
 APPROVED

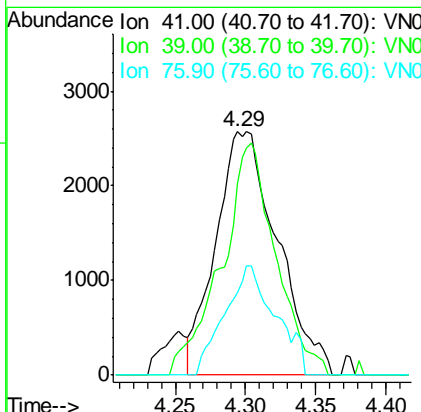
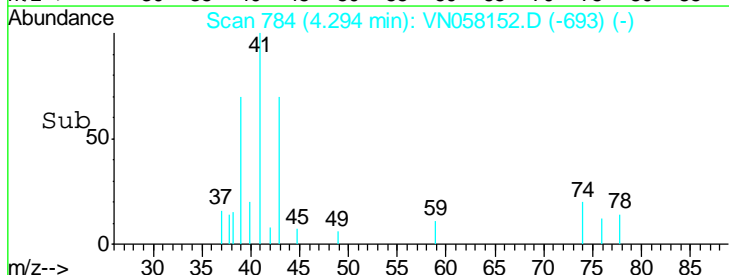
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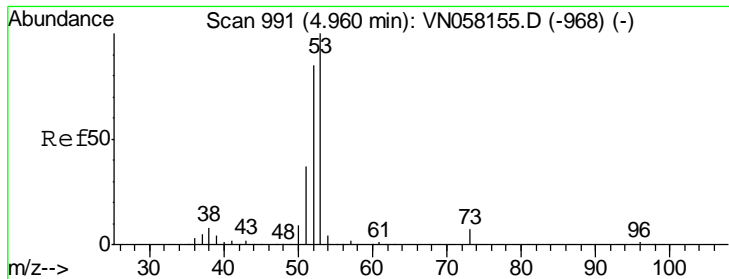


#14
 Allyl chloride
 Concen: 0.710 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21



Tgt Ion	Resp	Lower	Upper
41	7852		
39	84.2	59.1	88.7
76	37.0	25.1	37.7





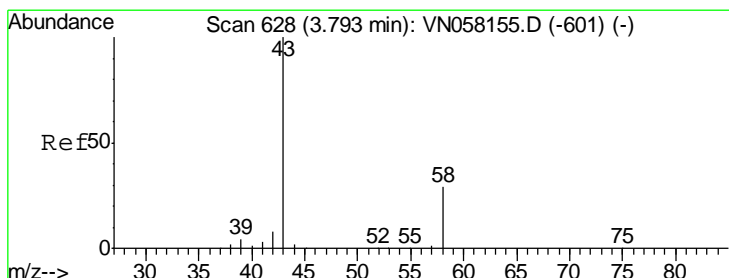
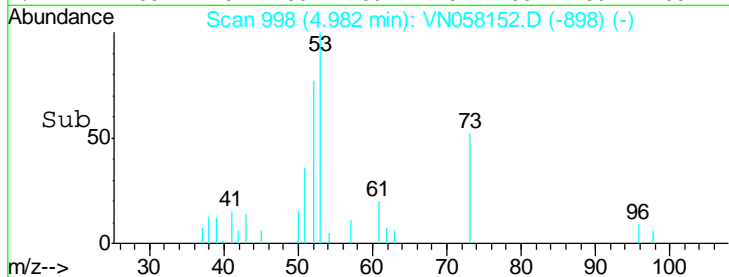
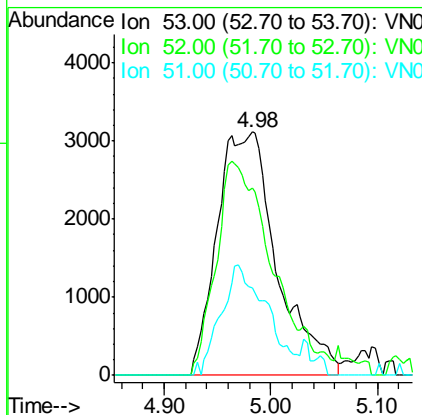
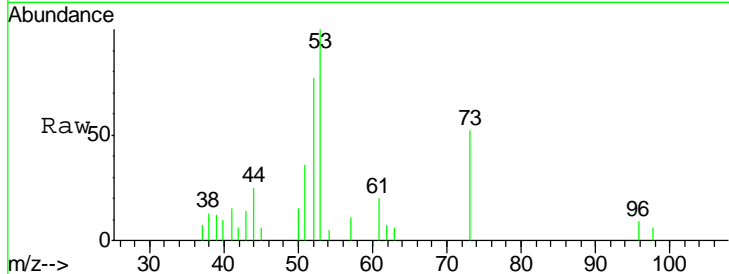
#15
 Acrylonitrile
 Concen: 3.403 ug/l m
 RT: 4.98 min Scan# 998
 Delta R.T. 0.02 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
53	12167		
52	83.5	66.6	100.0
51	34.9	29.7	44.5

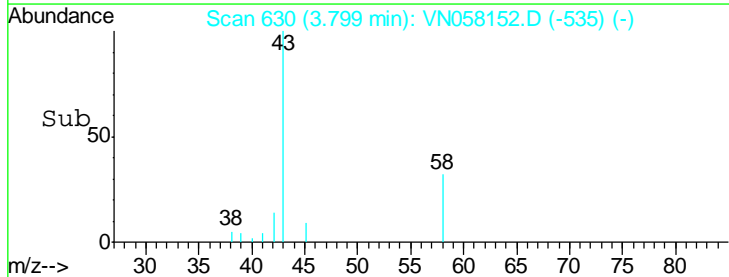
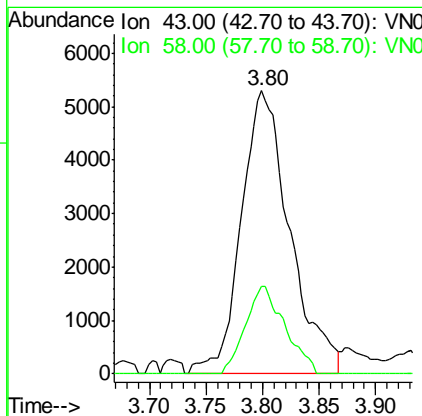
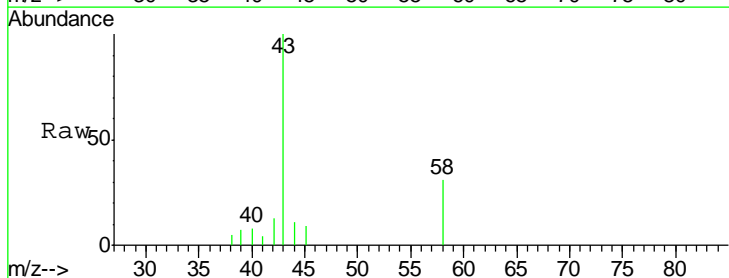
Manual Integrations
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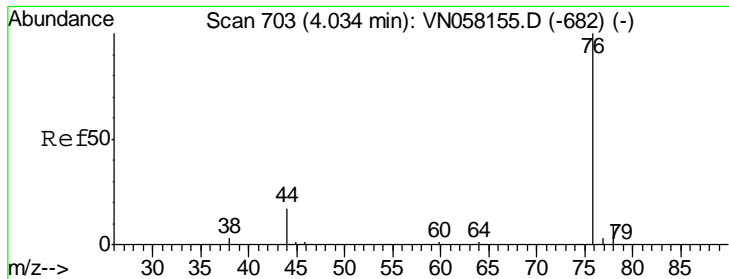
MMDadoda
 9/20/2019 1:14:09 PM



#16
 Acetone
 Concen: 4.511 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
43	15853		
58	31.0	23.4	35.2



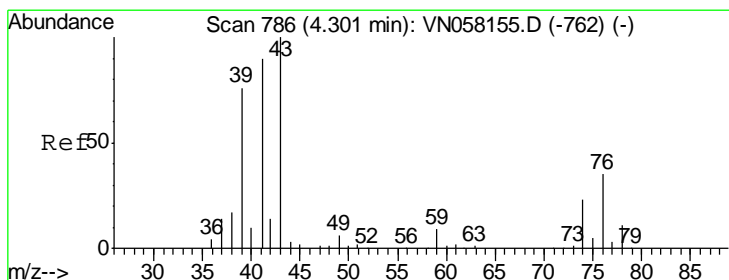
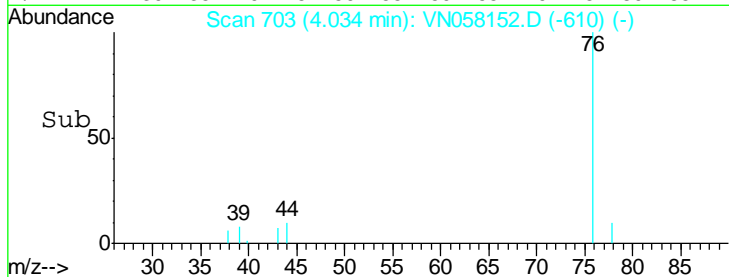
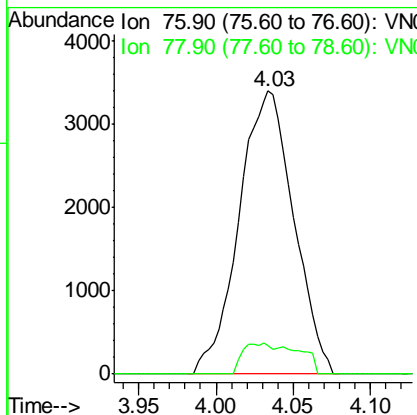
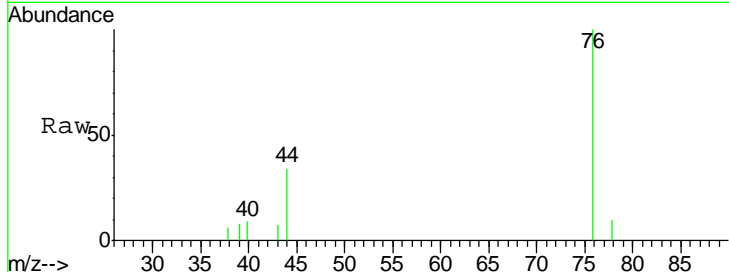


#17
 Carbon Disulfide
 Concen: 0.813 ug/l
 RT: 4.03 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
76	100		
78	10.3	7.7	11.5

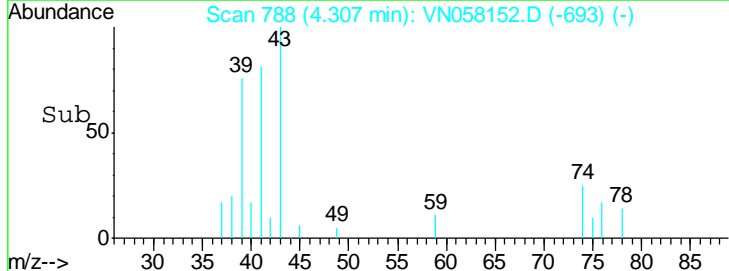
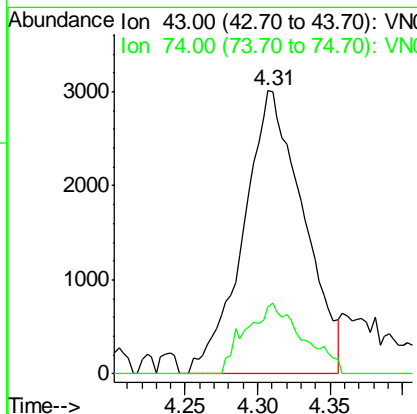
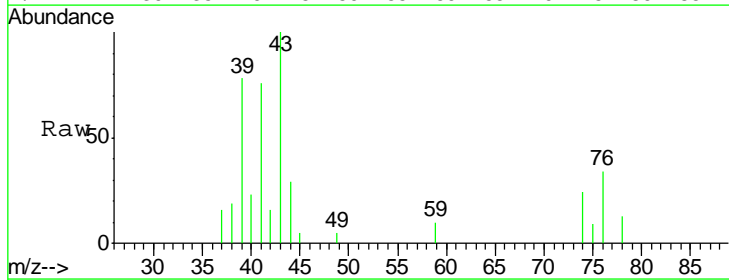
Instrument : MSVOA_N
 Client Sampled : VSTDIC001

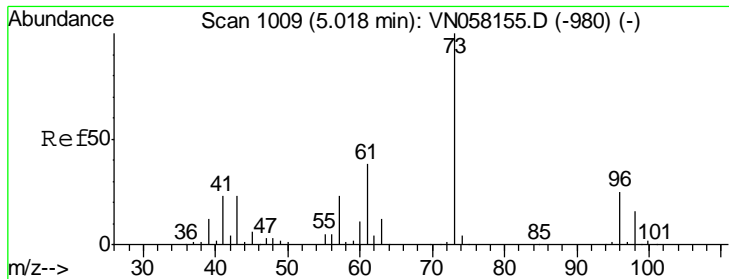
Manual Integrations APPROVED
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#18
 Methyl Acetate
 Concen: 0.925 ug/l
 RT: 4.31 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
43	100		
74	23.7	18.0	27.0



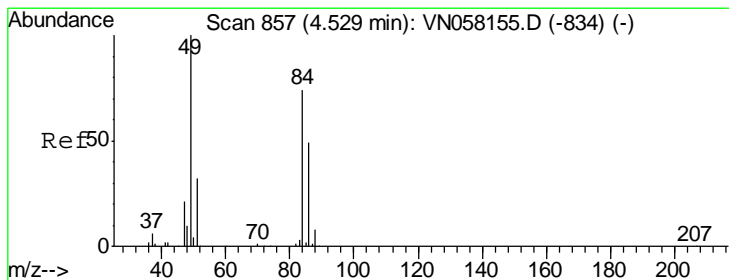
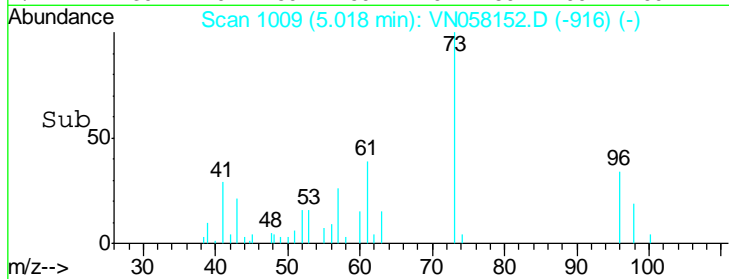
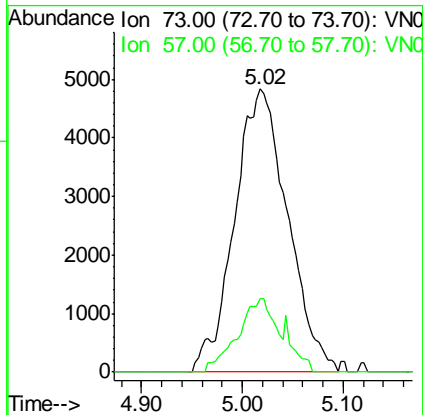
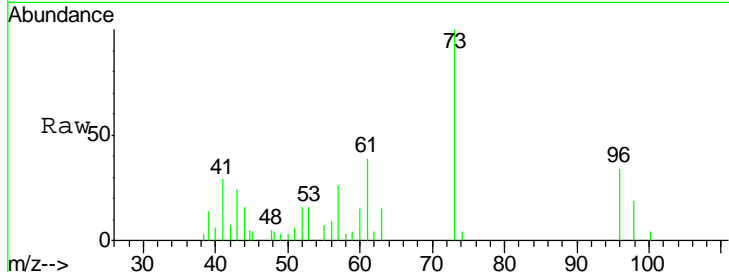


#19
Methyl tert-butyl Ether
Concen: 0.752 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
73	17693		
57	26.0	18.1	27.1

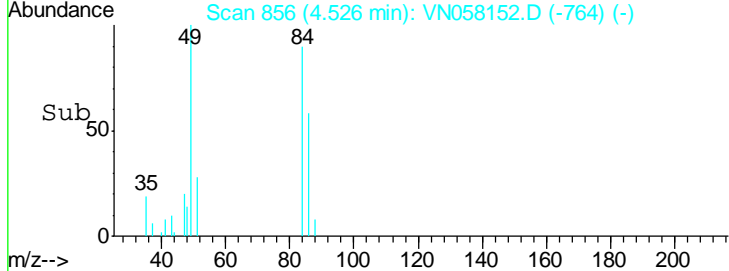
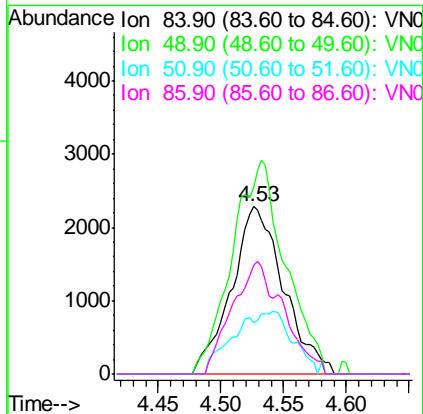
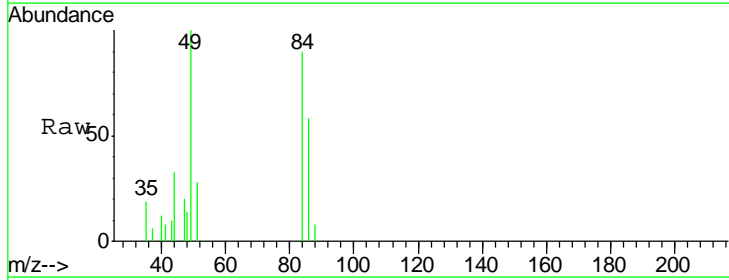
Instrument : MSVOA_N
Client Sampled : VN058152.D
VSTDIC001

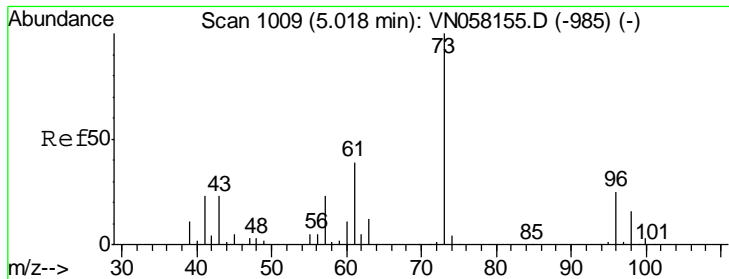
Manual Integrations APPROVED
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#20
Methylene Chloride
Concen: 0.866 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
84	6615		
49	111.4	107.5	161.3
51	30.6	33.9	50.9#
86	65.1	52.4	78.6





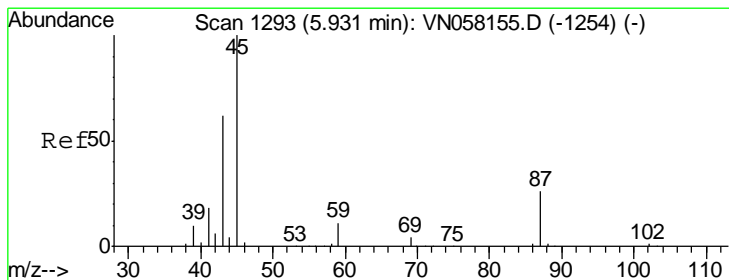
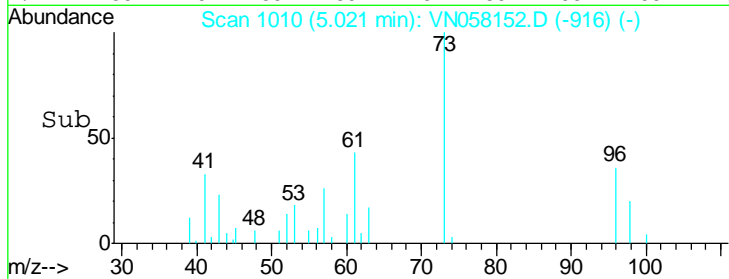
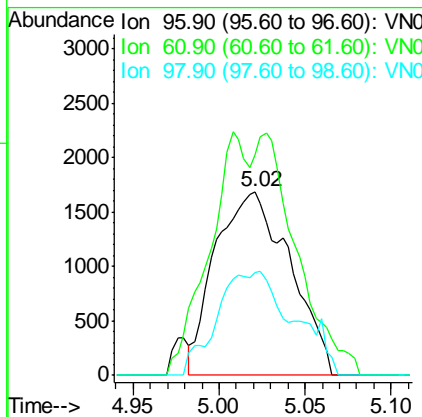
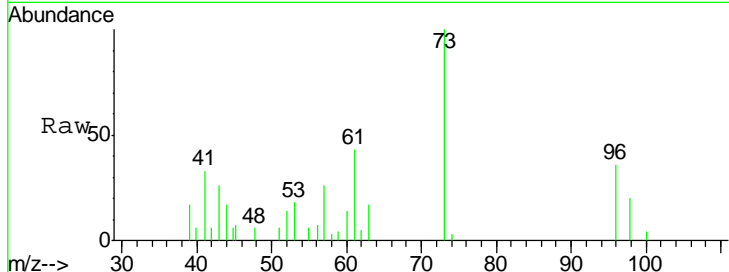
#21
 trans-1,2-Dichloroethene
 Concen: 0.837 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
96	5093		
96	100		
61	107.1	122.2	183.4#
98	55.9	49.9	74.9

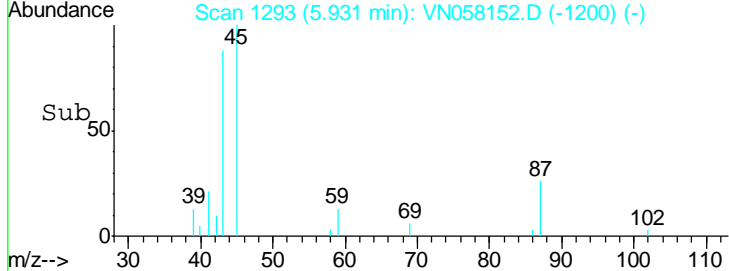
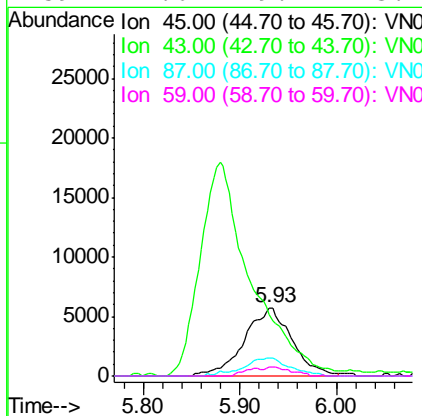
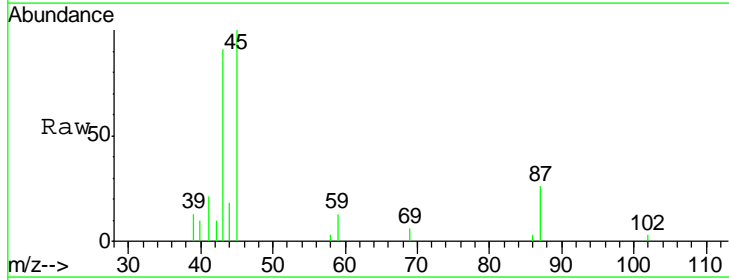
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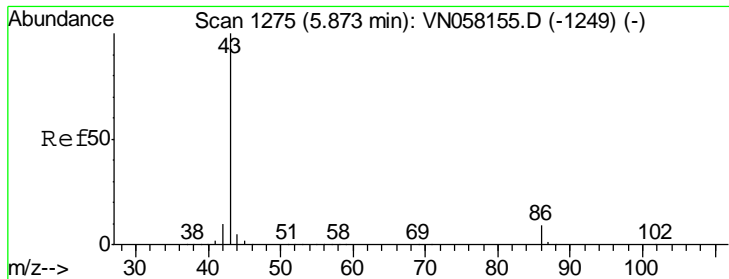
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#22
 Diisopropyl ether
 Concen: 0.751 ug/l
 RT: 5.93 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
45	19472		
45	100		
43	83.2	49.7	74.5#
87	26.4	20.7	31.1
59	12.6	9.1	13.7





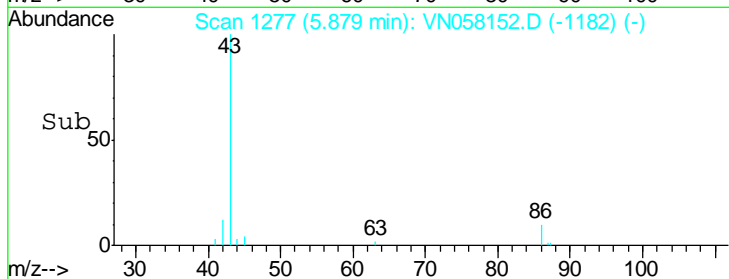
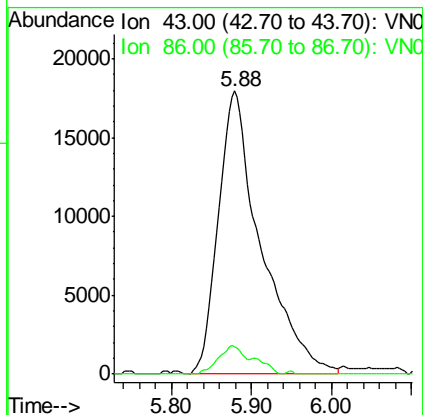
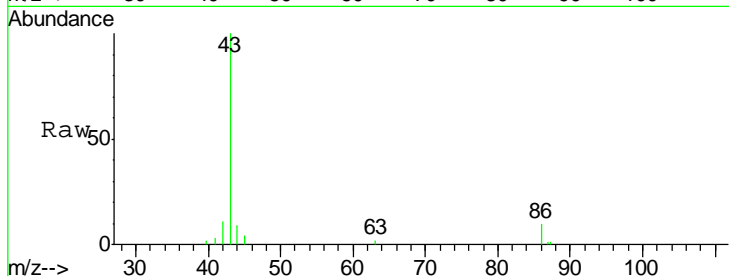
#23
 Vinyl Acetate
 Concen: 3.596 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.4	11.2

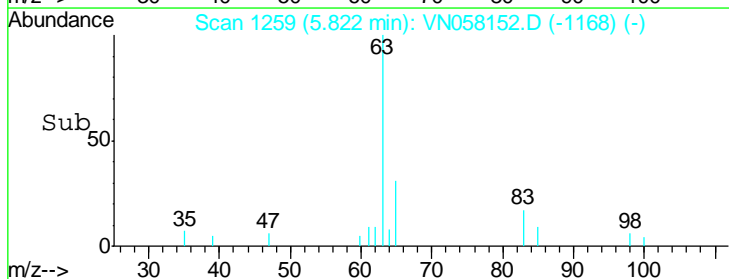
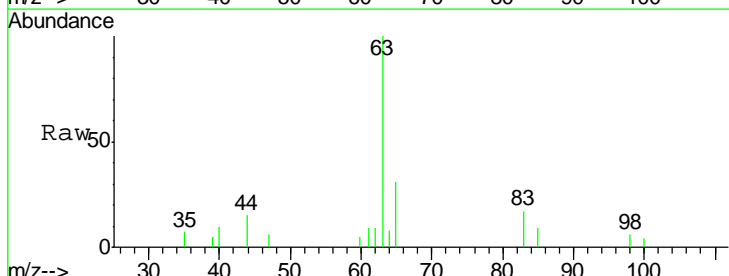
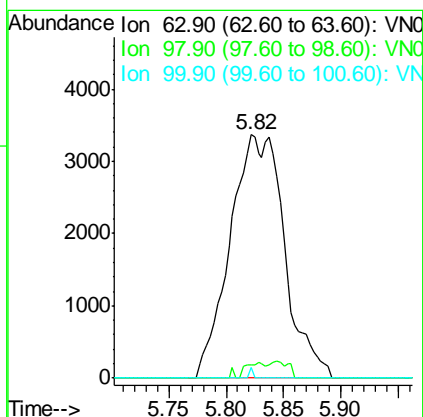
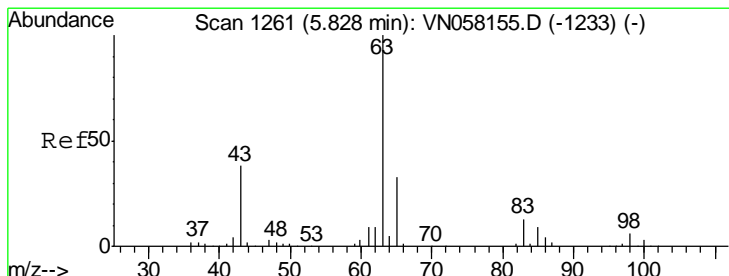
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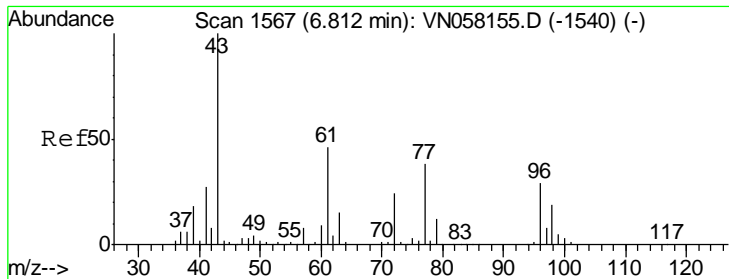
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#24
 1,1-Dichloroethane
 Concen: 0.783 ug/l m
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.6
100	4.4	1.8	5.3





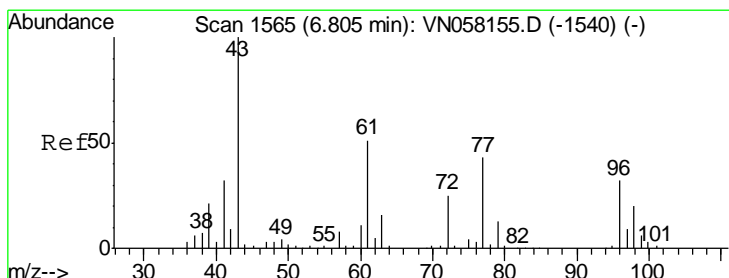
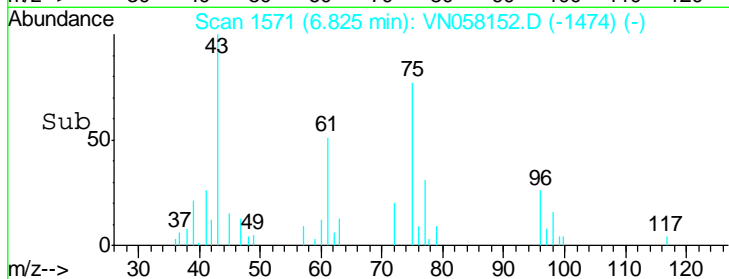
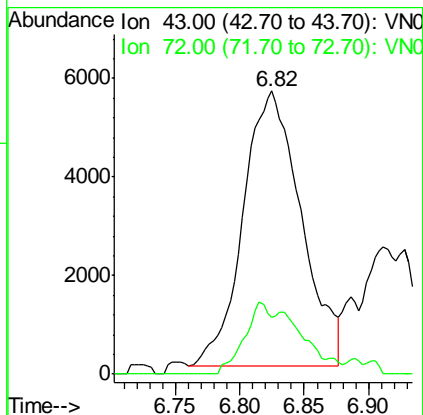
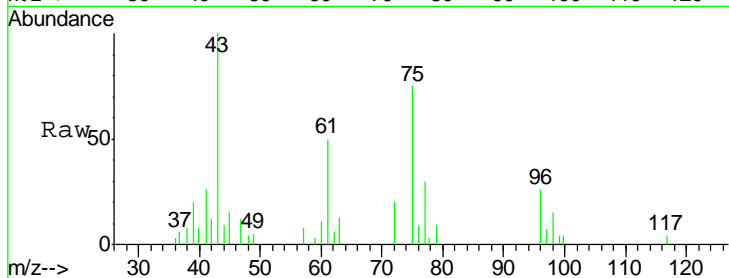
#25
 2-Butanone
 Concen: 3.440 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
43	17509		
72	20.5	19.5	29.3

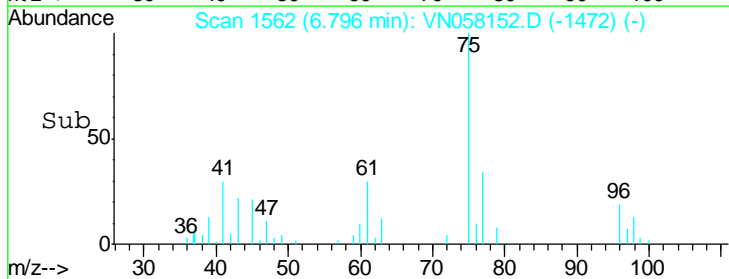
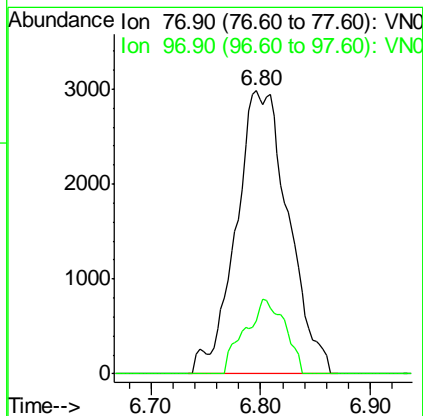
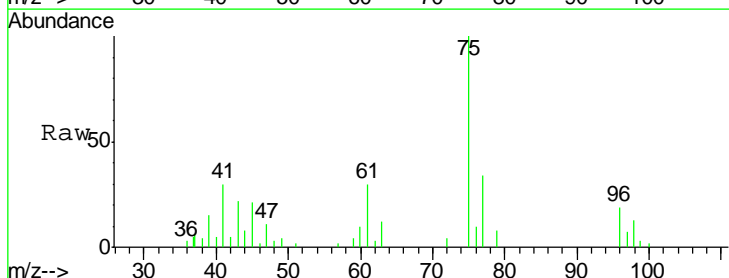
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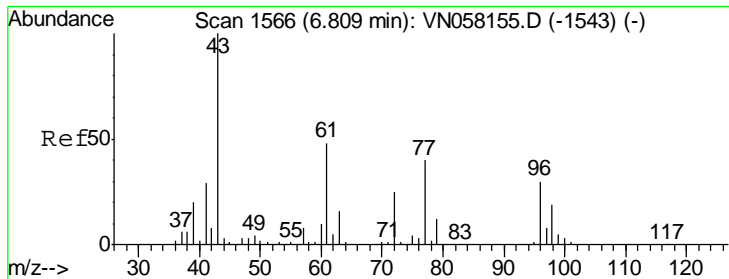
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#26
 2,2-Dichloropropane
 Concen: 0.883 ug/l m
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
77	9921		
97	20.2	10.5	31.6





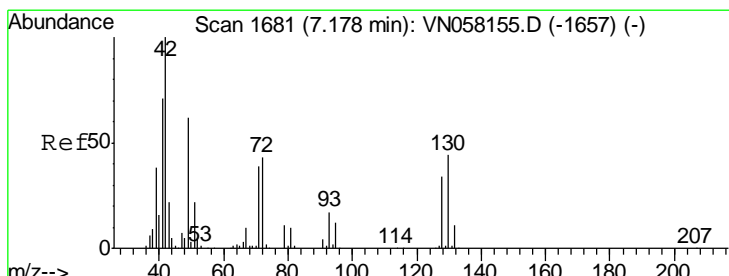
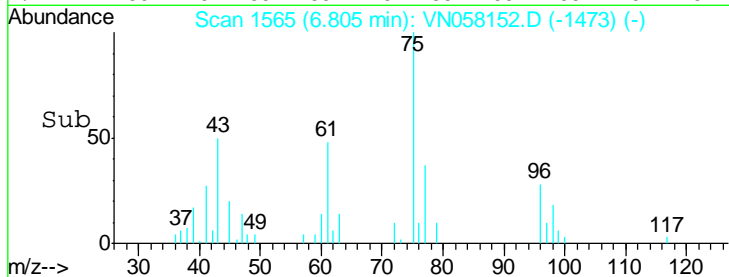
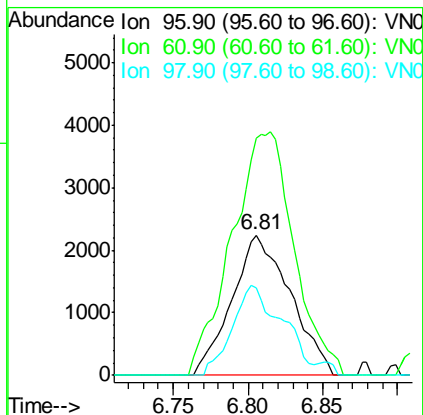
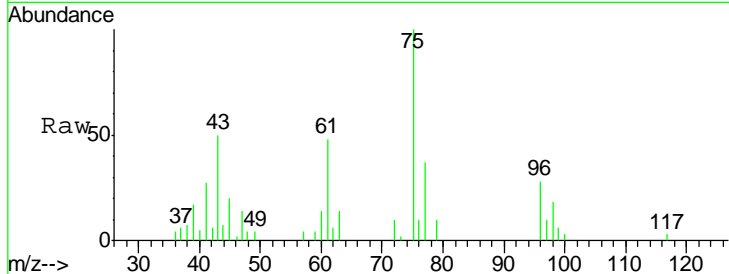
#27
 cis-1,2-Dichloroethene
 Concen: 0.743 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
96	6087		
96	100		
61	184.7	0.0	319.0
98	54.9	0.0	126.6

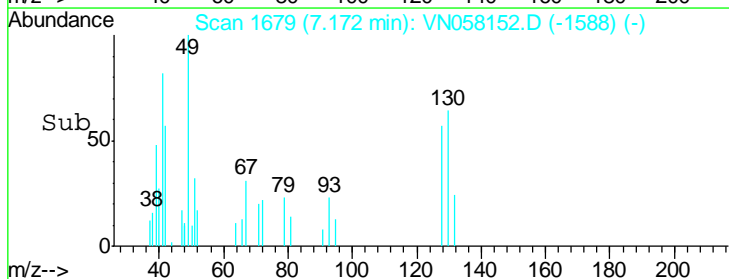
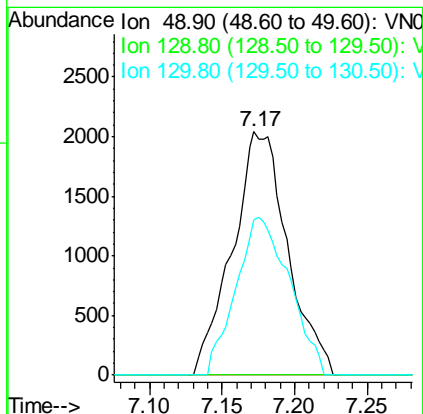
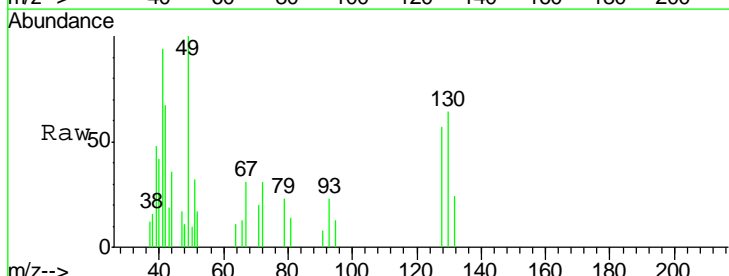
Manual Integrations
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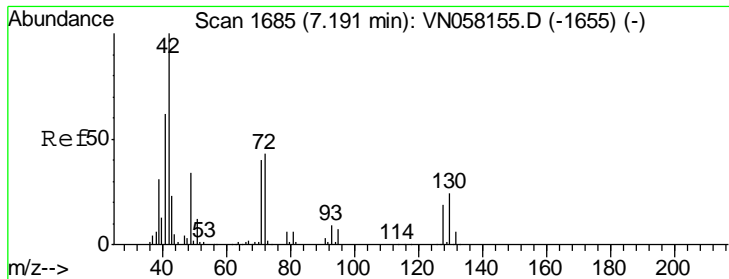
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#28
 Bromochloromethane
 Concen: 0.766 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
49	5416		
49	100		
129	0.0	0.0	1.8
130	62.4	55.4	83.2





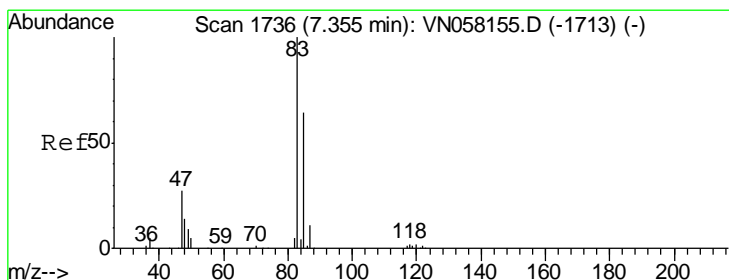
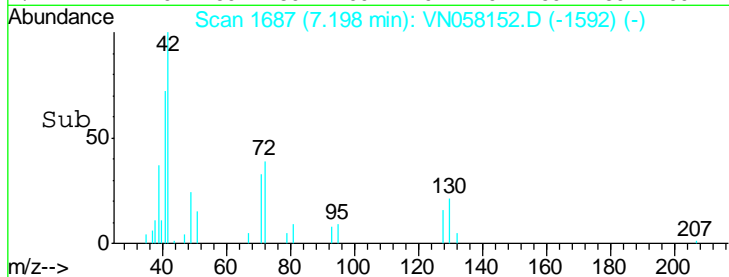
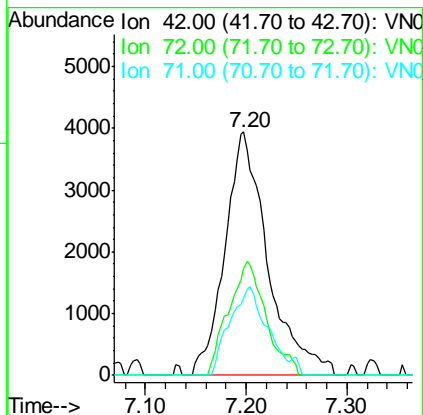
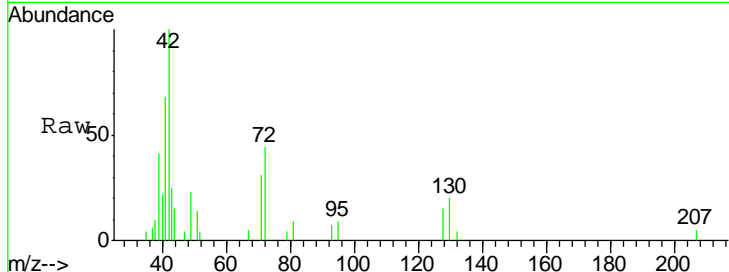
#29
 Tetrahydrofuran
 Concen: 3.717 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
42	11660		
72	40.7	33.8	50.6
71	31.6	31.4	47.0

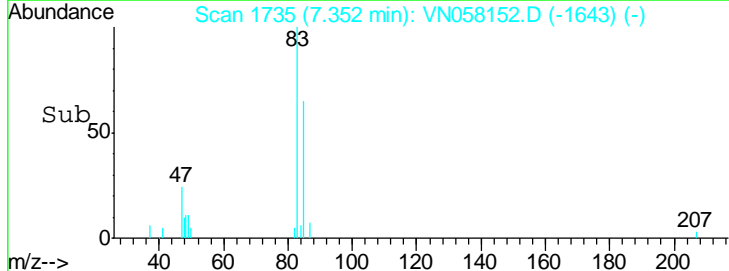
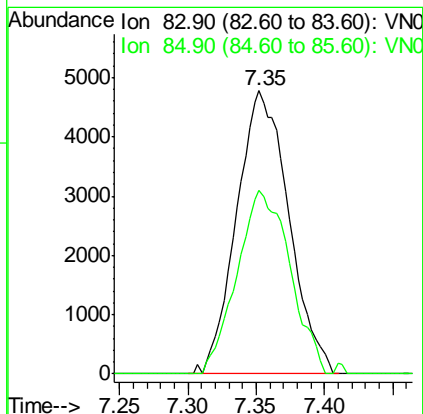
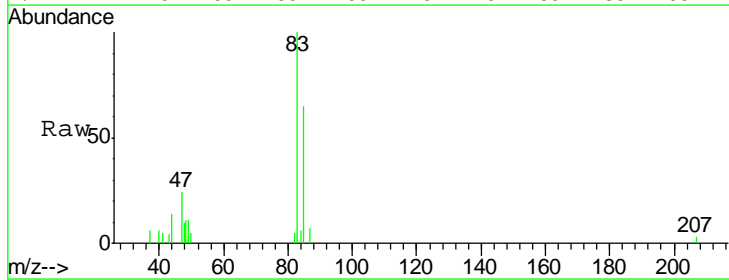
Manual Integrations
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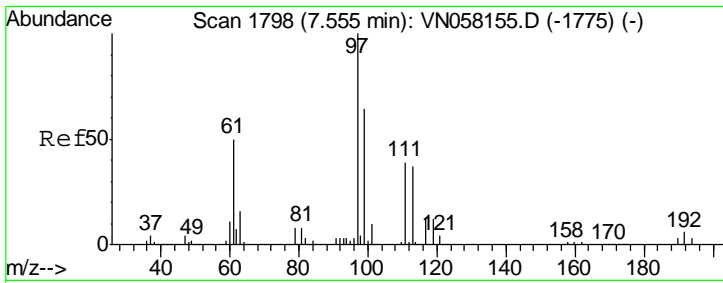
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#30
 Chloroform
 Concen: 0.853 ug/l
 RT: 7.35 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
83	12665		
85	64.8	51.4	77.2





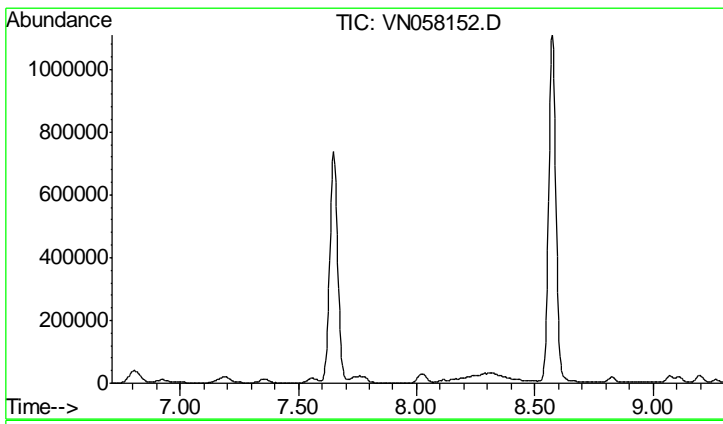
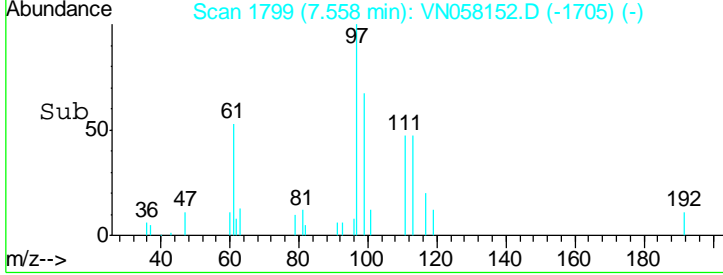
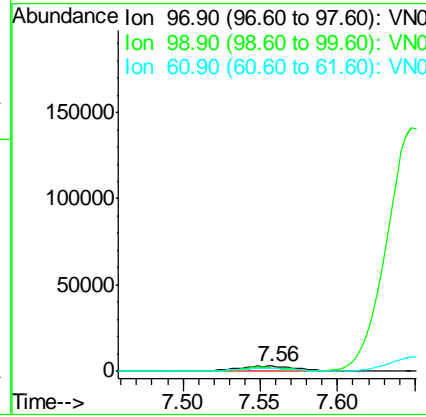
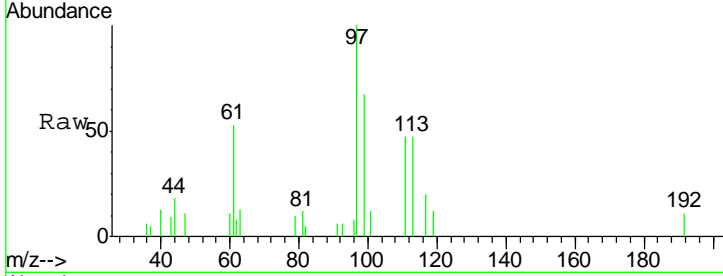
#32
 1,1,1-Trichloroethane
 Concen: 0.695 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Resp	Lower	Upper
97	100		
99	0.0	50.9	76.3#
61	52.1	39.2	58.8

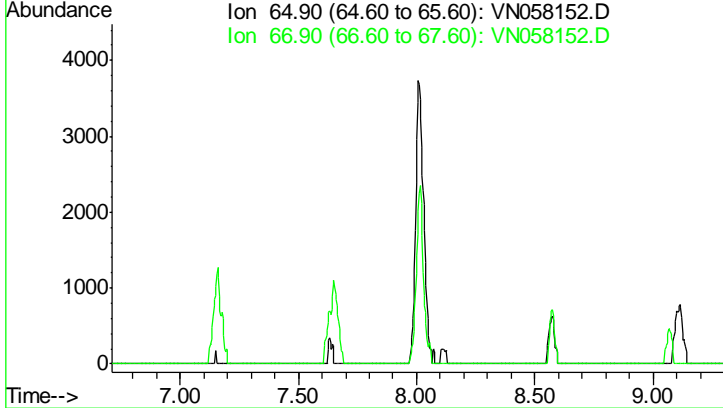
Manual Integrations
 APPROVED

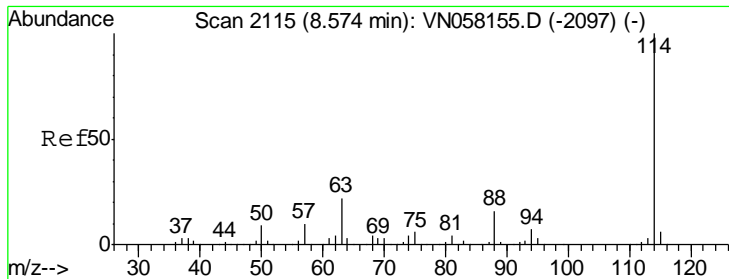
MMDadoda
 9/20/2019 1:14:09 PM



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Exp Ratio
65	100
67	51.7





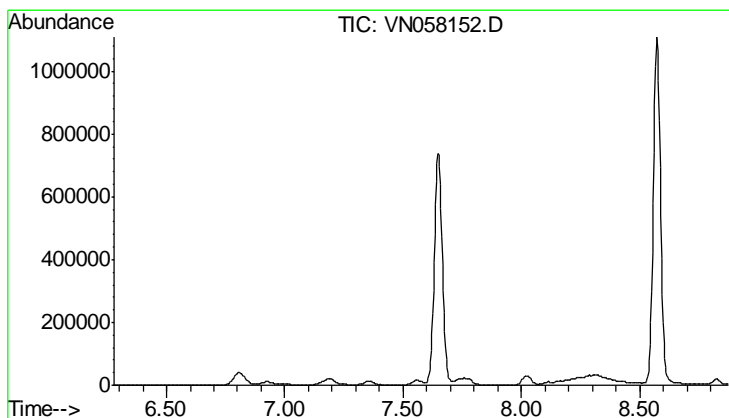
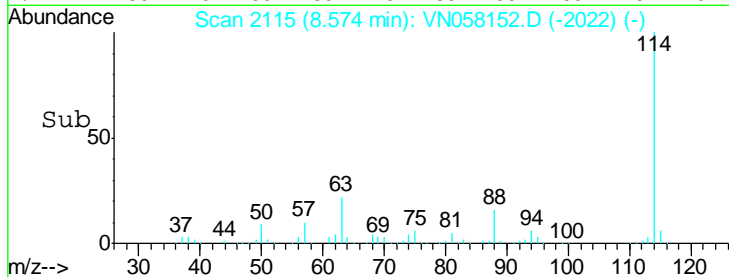
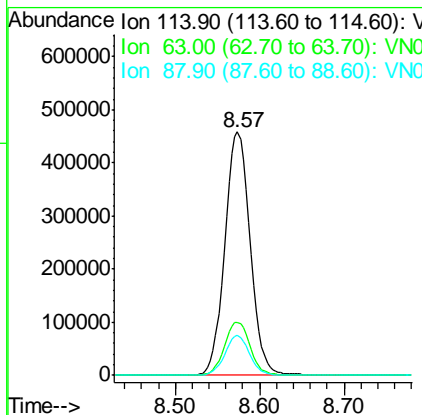
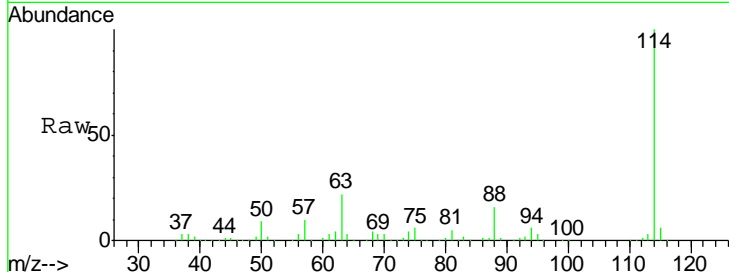
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
114	100		
63	21.9	0.0	44.2
88	16.2	0.0	31.6

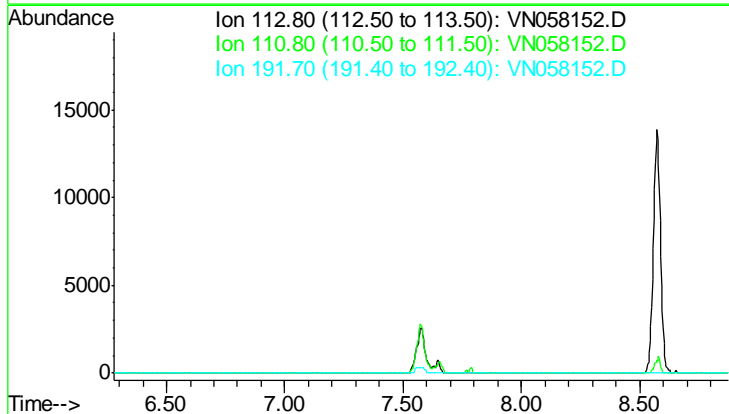
Manual Integrations
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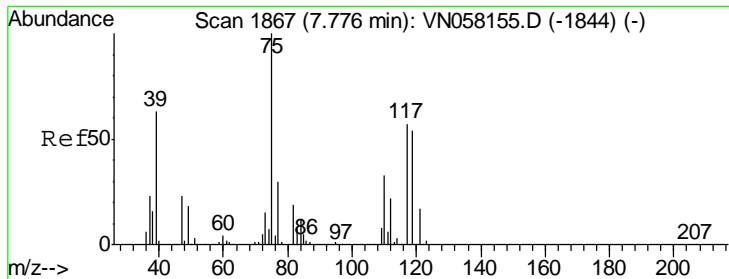
MMDadoda
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#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.58 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Exp Ratio
113	100
111	102.2
192	18.1



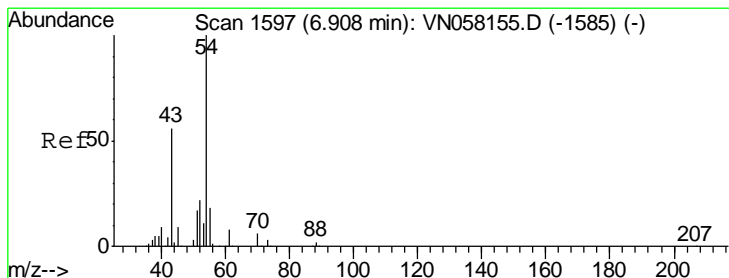
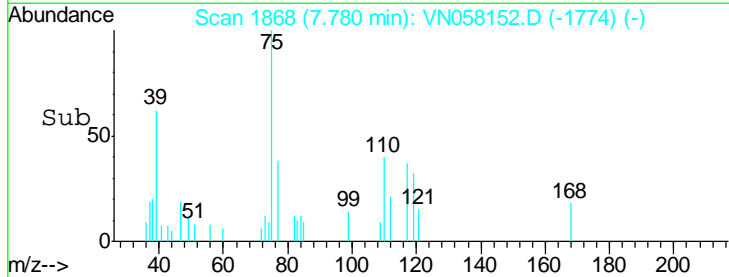
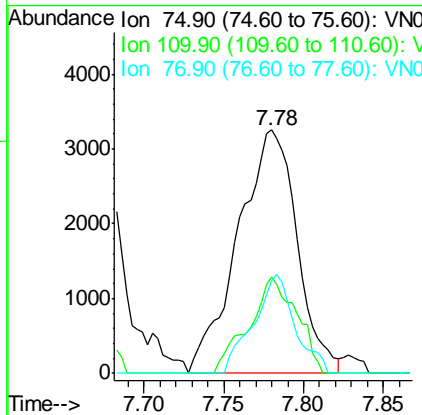
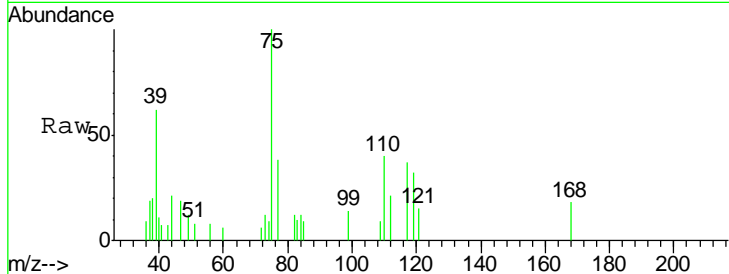


#36
 1,1-Dichloropropene
 Concen: 0.796 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
75	100		
110	32.1	16.6	49.7
77	28.4	24.3	36.5

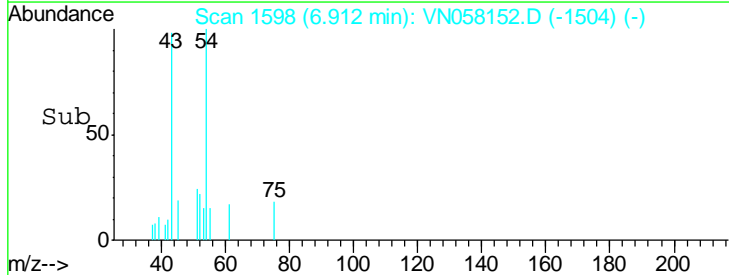
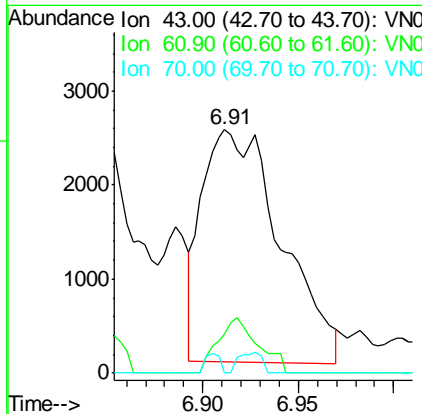
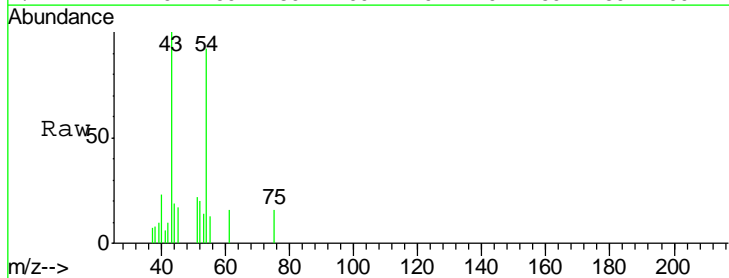
Instrument : MSVOA_N
 ClientSampled : VSTDIC001

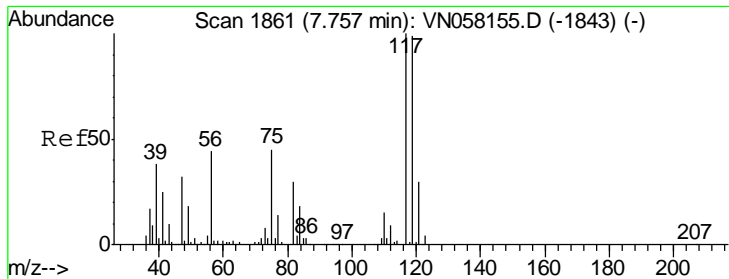
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#37
 Ethyl Acetate
 Concen: 0.662 ug/l m
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
43	100		
61	12.0	10.7	16.1
70	1.6	7.6	11.4#





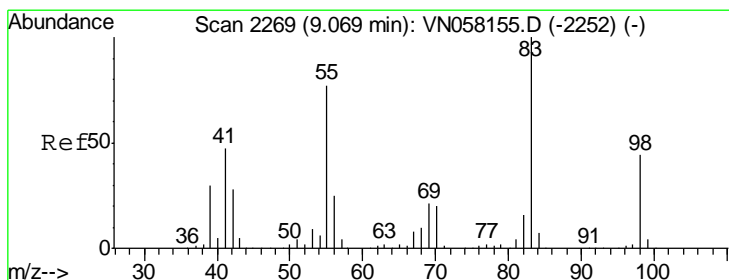
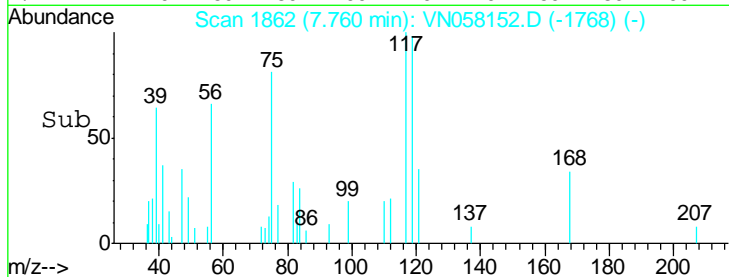
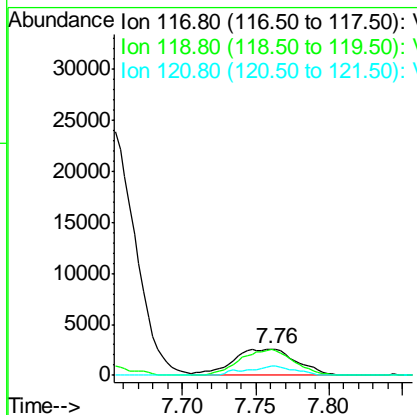
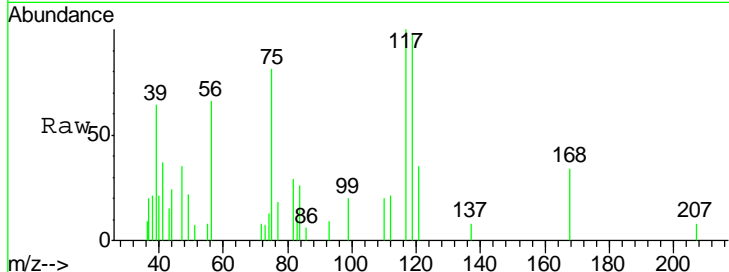
#38
 Carbon Tetrachloride
 Concen: 0.809 ug/l m
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	7721		
117	100		
119	97.6	78.6	117.8
121	34.6	24.1	36.1

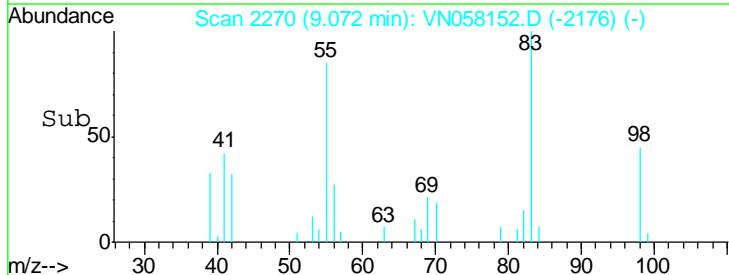
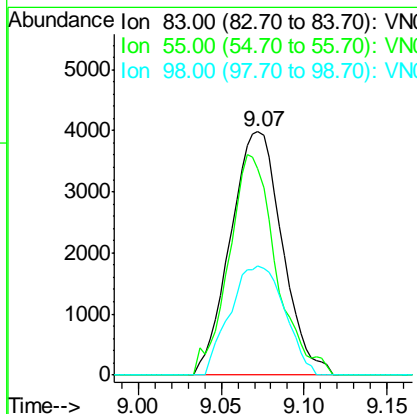
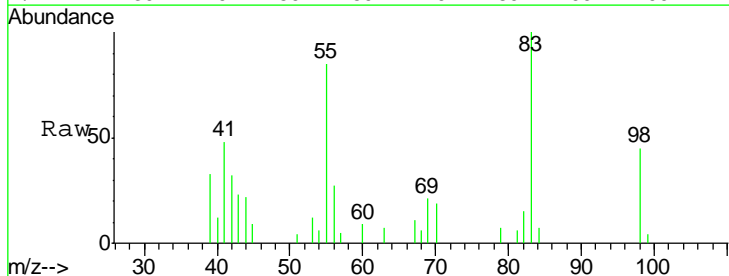
Manual Integrations
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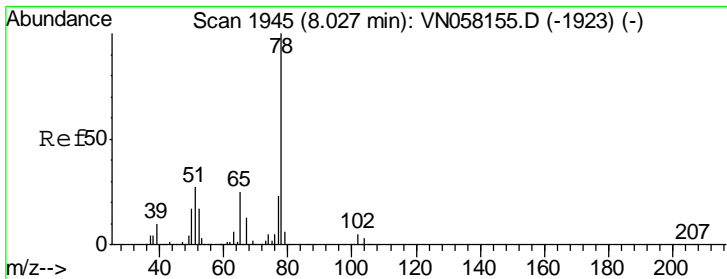
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#39
 Methylcyclohexane
 Concen: 0.792 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
83	8640		
83	100		
55	84.8	61.9	92.9
98	44.6	35.4	53.2





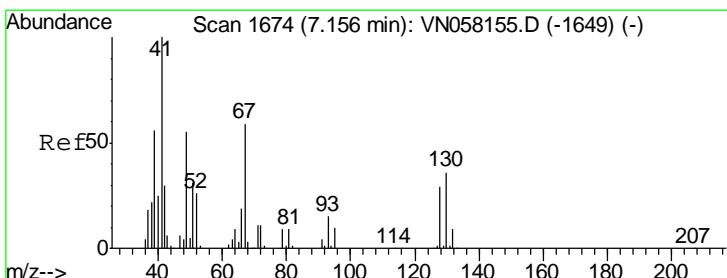
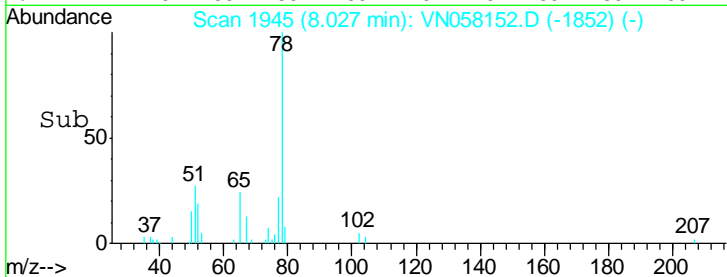
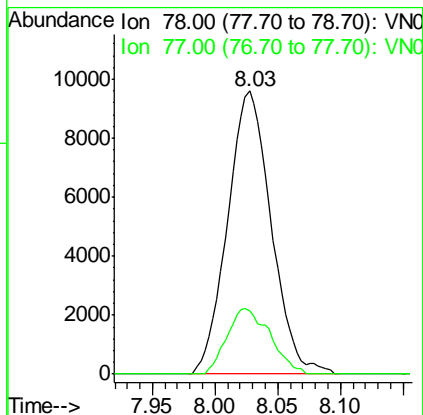
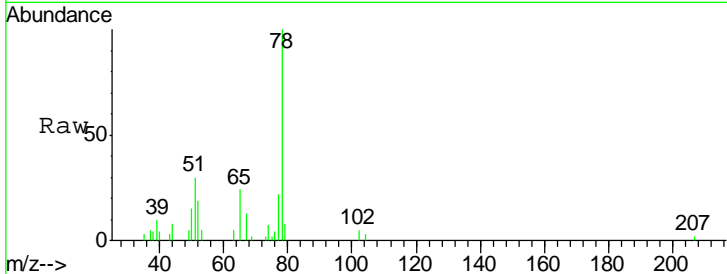
#40
Benzene
Concen: 0.739 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
78	23161		
77	22.3	18.8	28.2

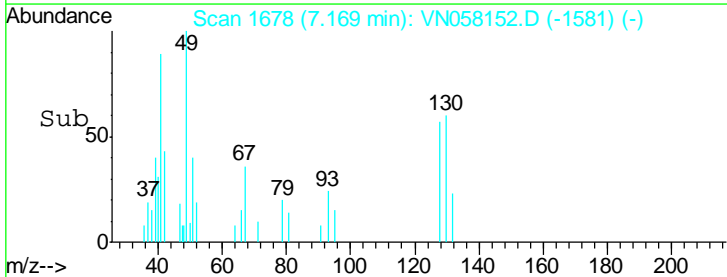
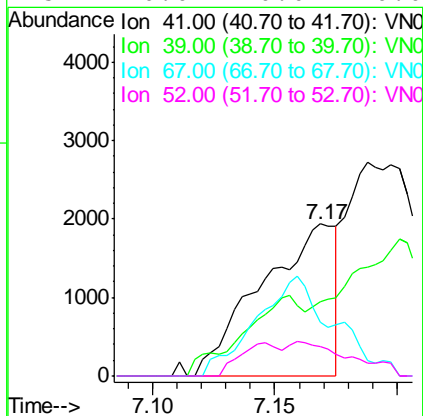
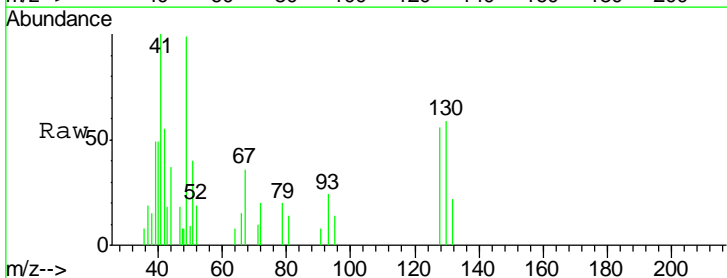
Manual Integrations APPROVED

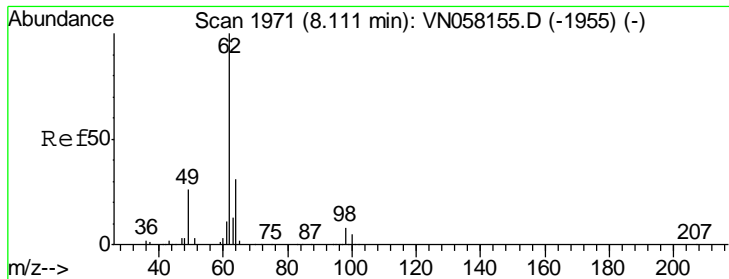
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#41
Methacrylonitrile
Concen: 0.850 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
41	4158		
39	106.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0





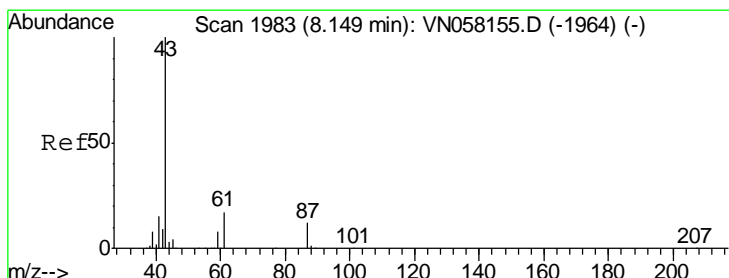
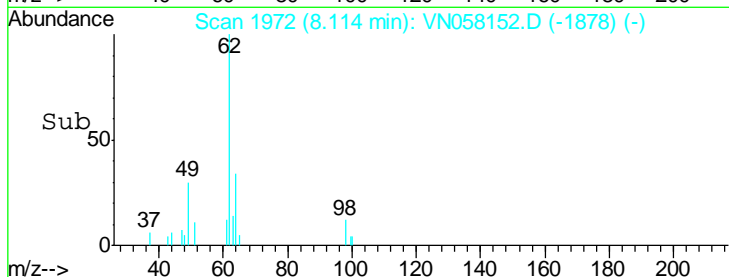
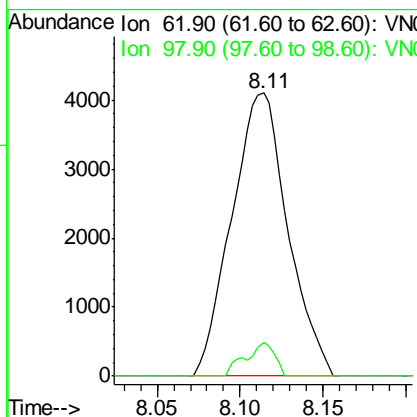
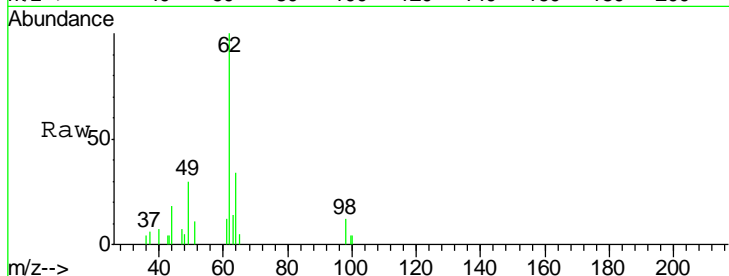
#42
 1,2-Dichloroethane
 Concen: 0.766 ug/l
 RT: 8.11 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	15.6

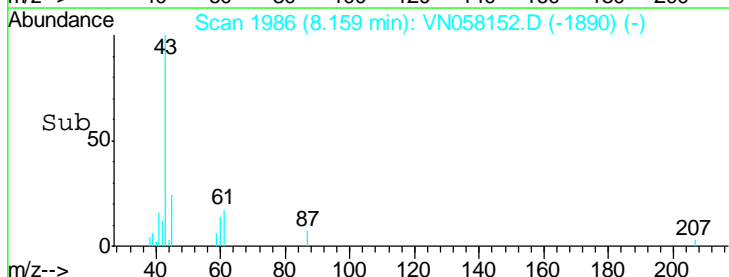
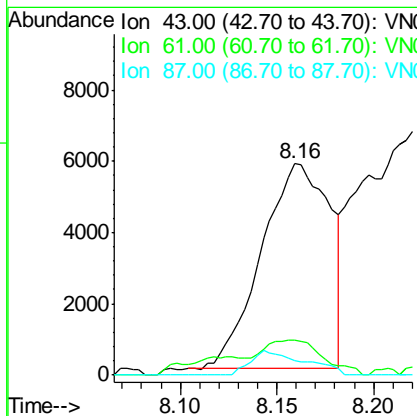
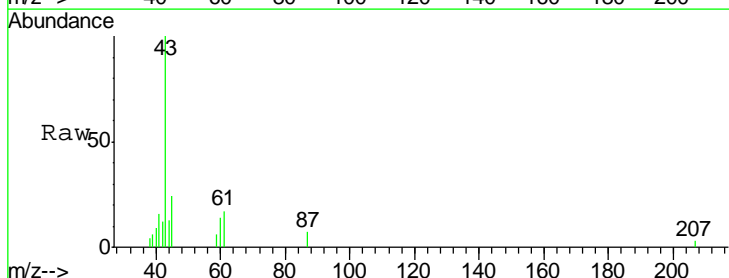
Manual Integrations
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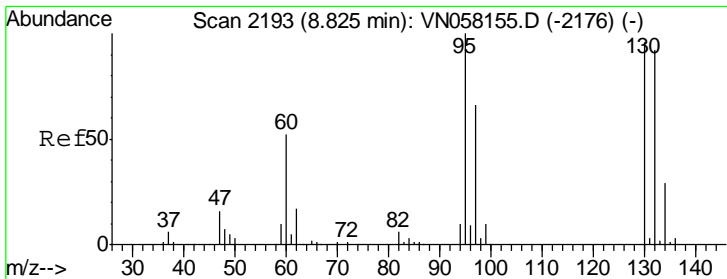
MMDadoda
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#43
 Isopropyl Acetate
 Concen: 0.782 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	19.7	29.5#
87	0.0	9.4	14.2#





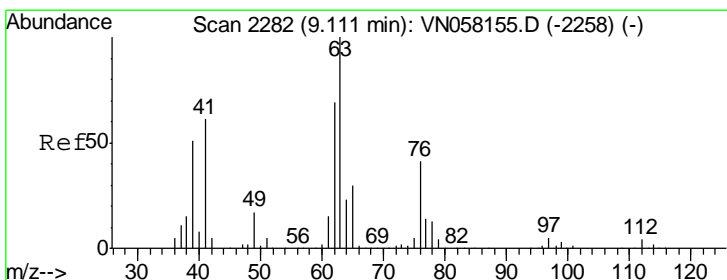
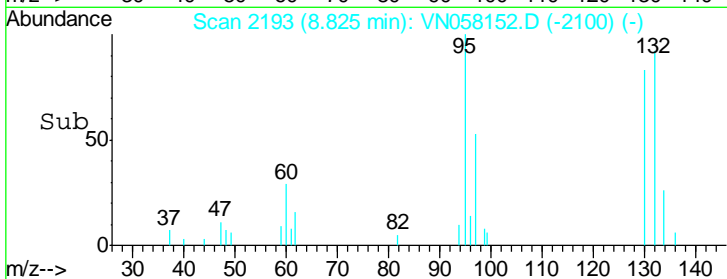
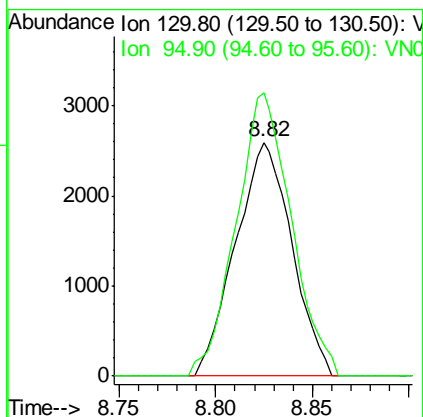
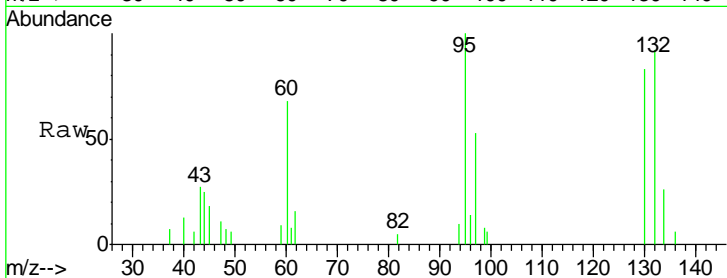
#44
 Trichloroethene
 Concen: 0.680 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
130	100		
95	121.0	0.0	207.8

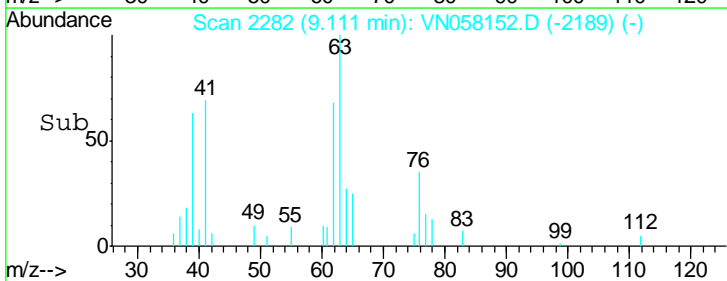
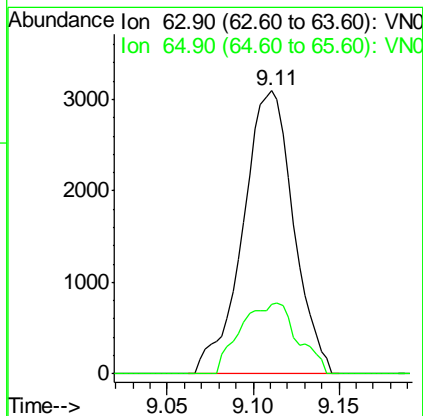
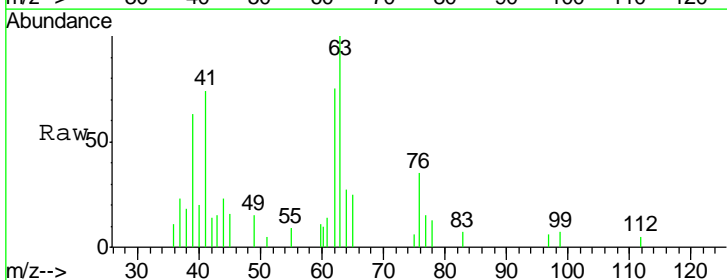
Manual Integrations
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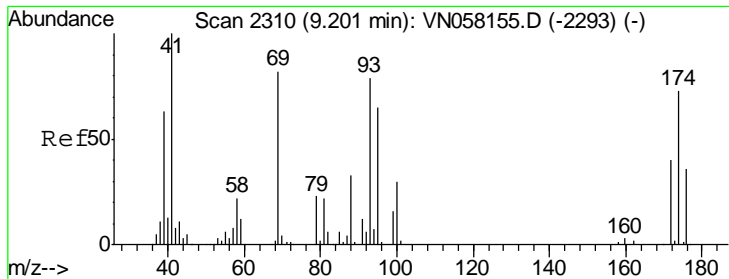
MMDadoda
 9/20/2019 1:14:09 PM



#45
 1,2-Dichloropropane
 Concen: 0.691 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
63	100		
65	24.5	23.8	35.6





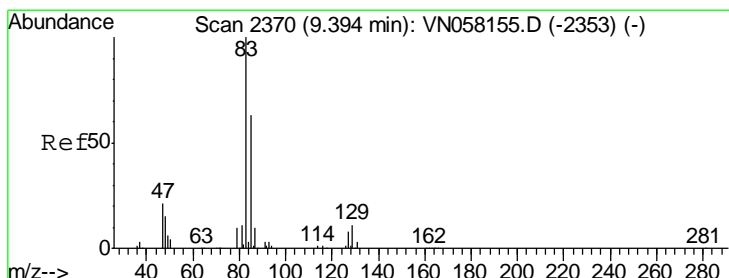
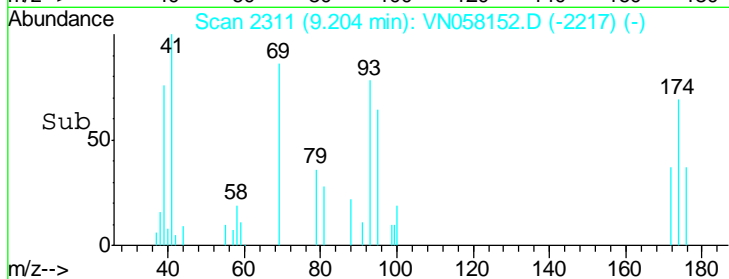
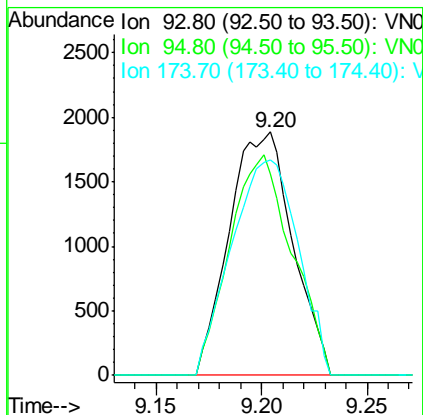
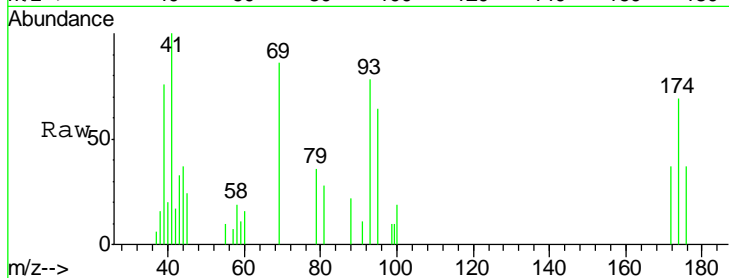
#46
 Dibromomethane
 Concen: 0.715 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
93	3952		
93	100		
95	89.0	66.8	100.2
174	92.9	73.8	110.8

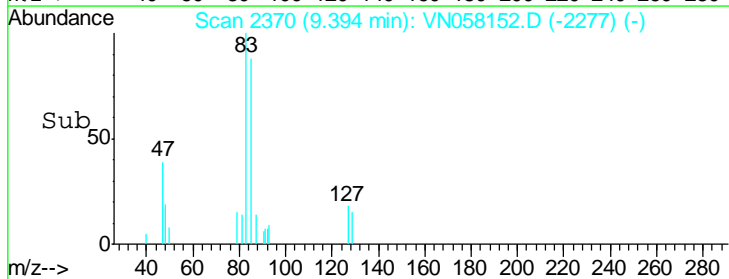
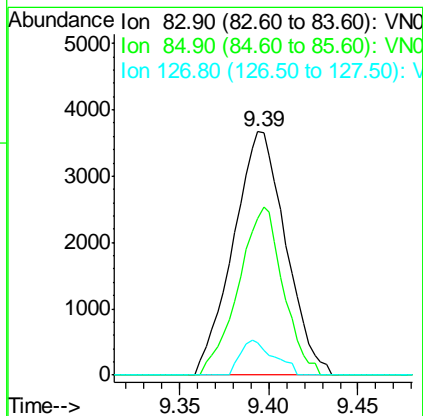
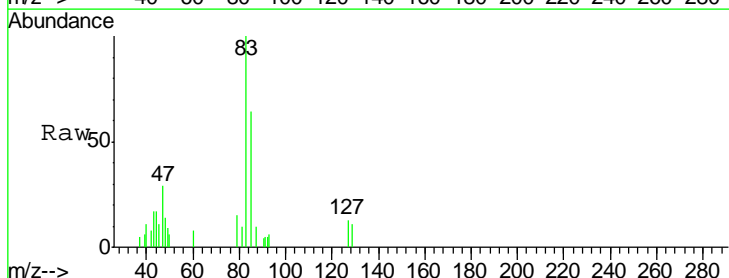
Manual Integrations
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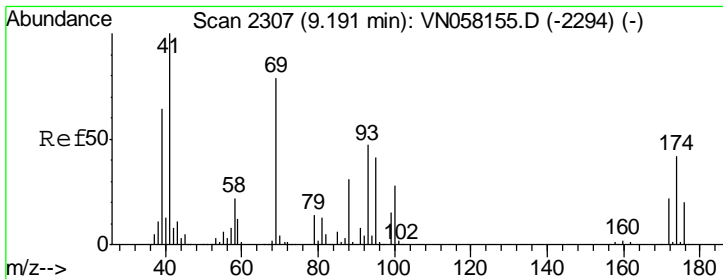
MMDadoda
 9/20/2019 1:14:09 PM



#47
 Bromodichloromethane
 Concen: 0.684 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
83	7527		
83	100		
85	64.2	50.1	75.1
127	13.3	6.4	9.6#





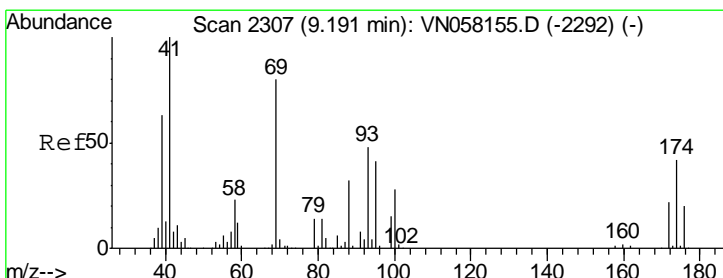
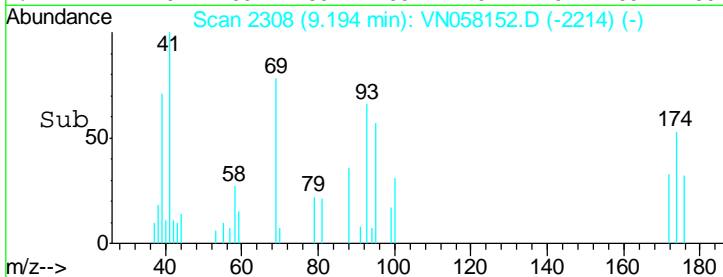
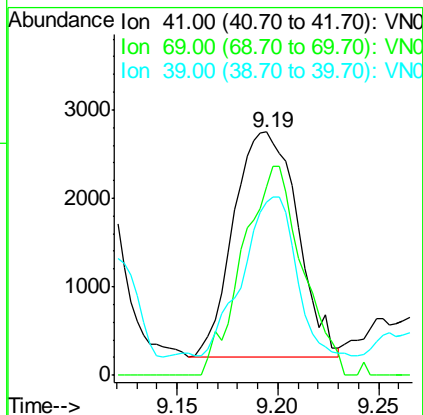
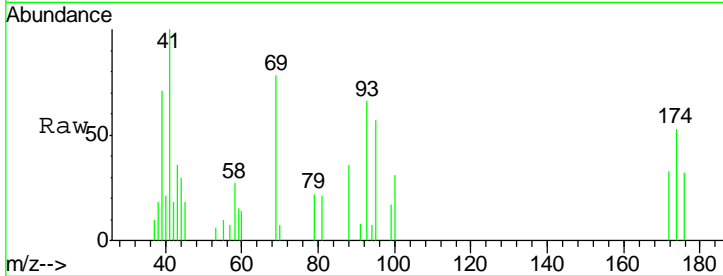
#48
 Methyl methacrylate
 Concen: 0.611 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
69	86.6	62.5	93.7
39	58.8	52.3	78.5

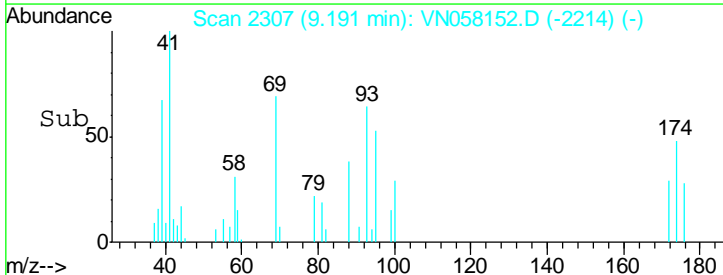
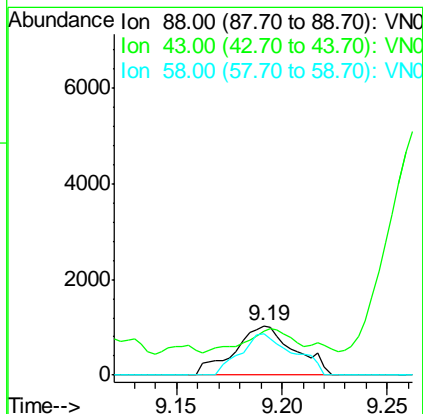
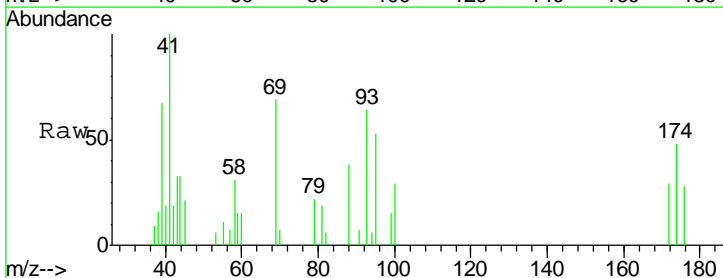
Manual Integrations
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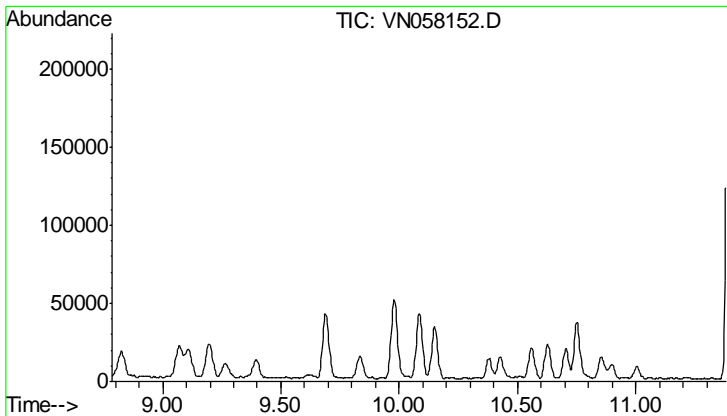
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#49
 1,4-Dioxane
 Concen: 12.968 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
88	100		
43	36.5	27.8	41.8
58	74.3	55.0	82.4



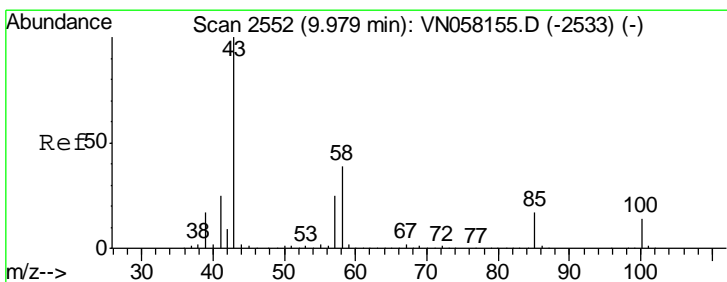
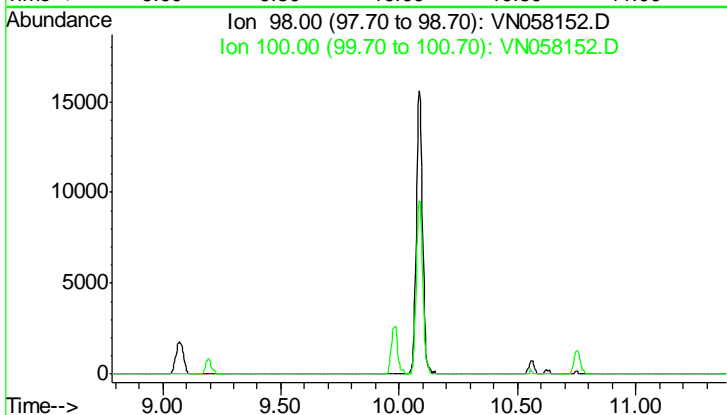


#50
 Toluene-d8
 Concen: 0.000 ug/l
 Expected RT: 10.08 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

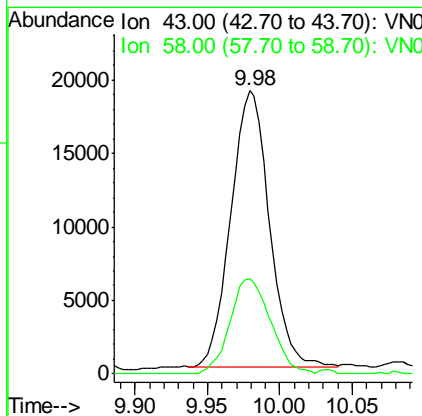
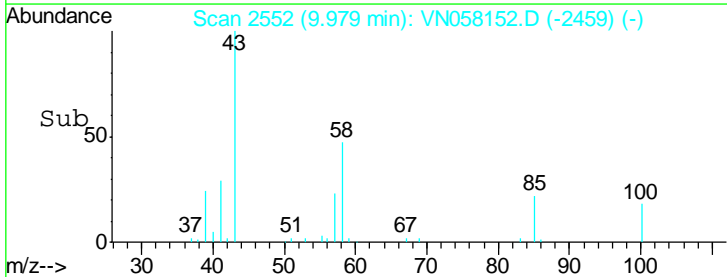
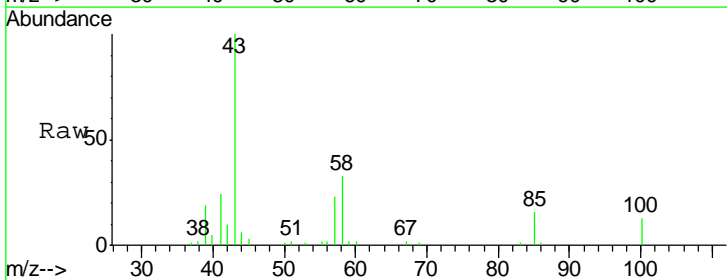
Tgt Ion	Exp Ratio
98	100
100	63.9

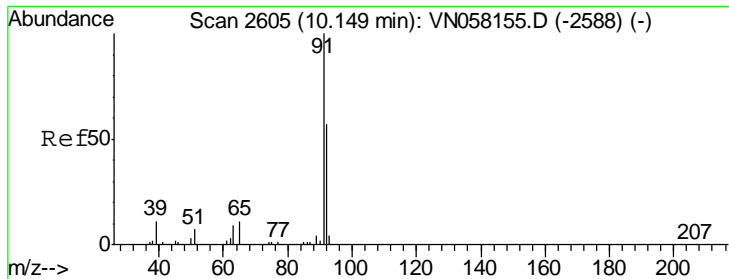
Manual Integrations
APPROVED
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#51
 4-Methyl-2-Pentanone
 Concen: 3.282 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
43	100		
58	36.0	30.2	45.4





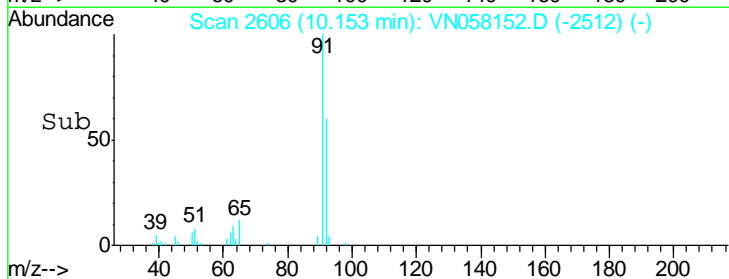
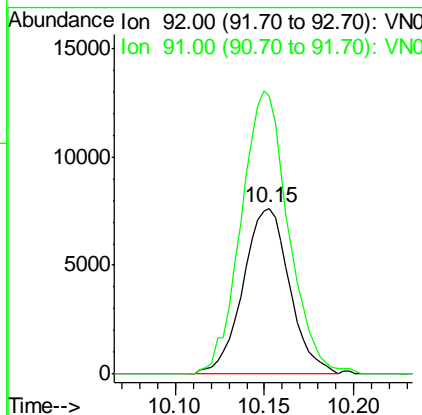
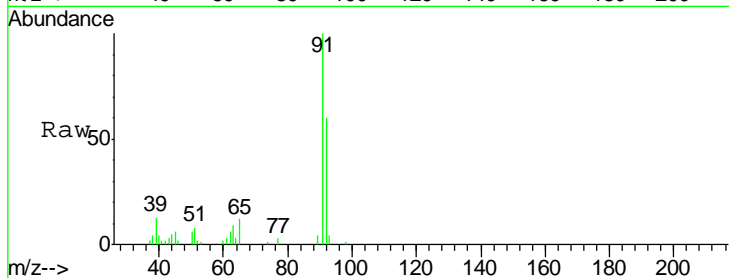
#52
 Toluene
 Concen: 0.705 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
92	13905		
92	100		
91	173.3	140.2	210.2

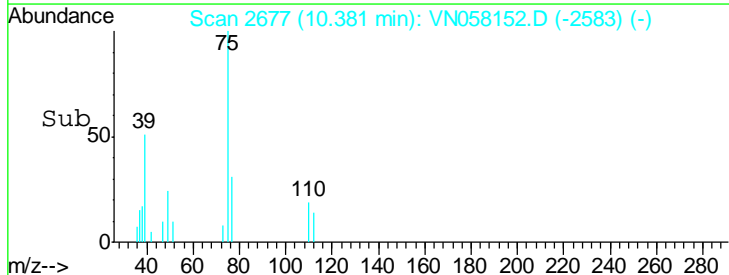
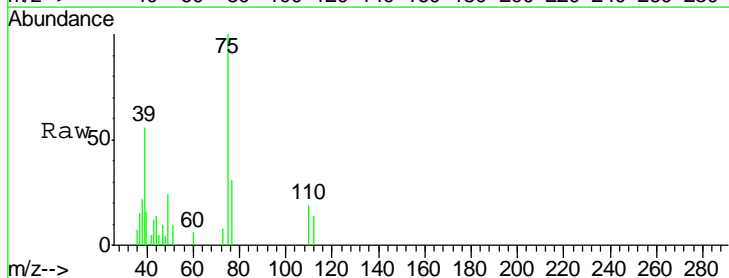
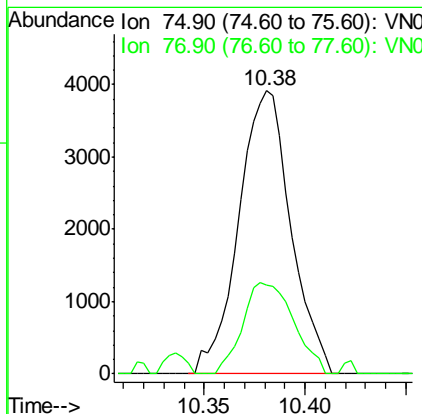
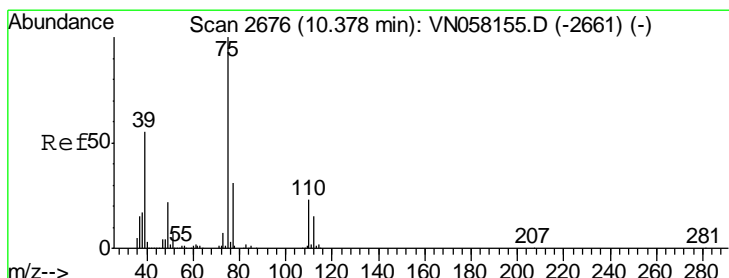
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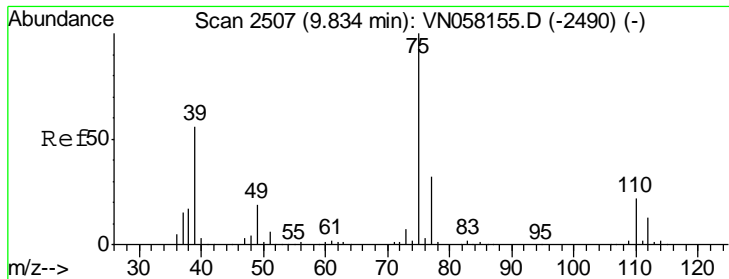
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#53
 t-1,3-Dichloropropene
 Concen: 0.611 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
75	7065		
75	100		
77	31.3	24.9	37.3





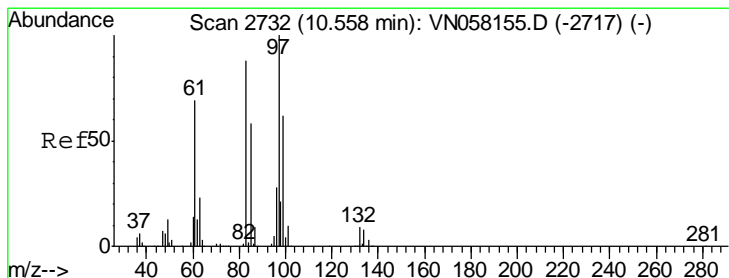
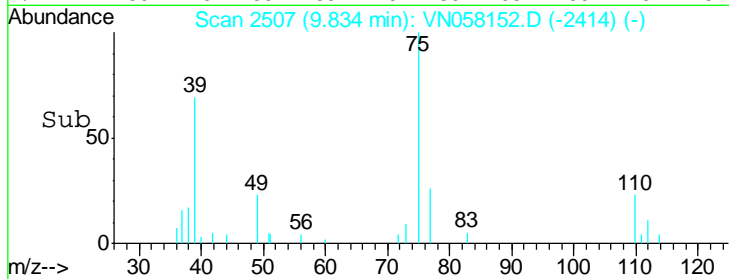
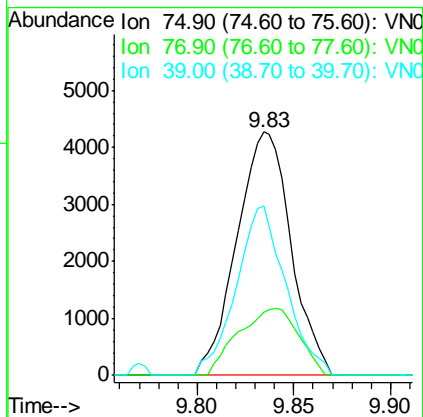
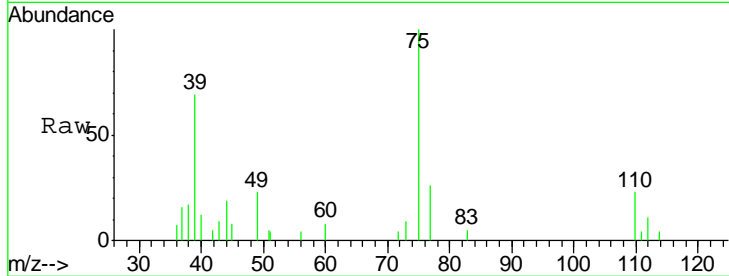
#54
 cis-1,3-Dichloropropene
 Concen: 0.650 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
77	26.1	25.4	38.0
39	69.5	45.0	67.6#

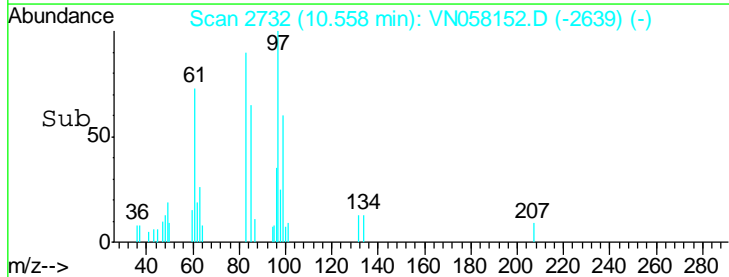
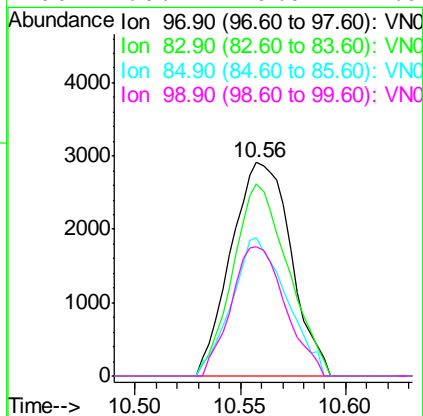
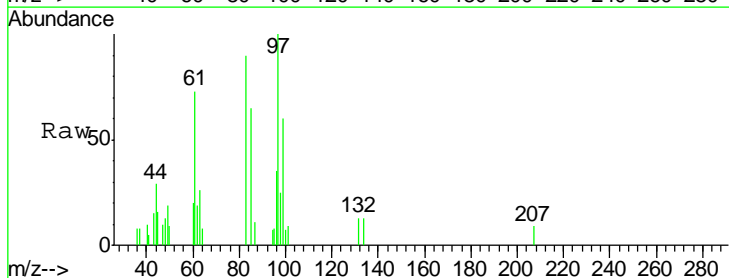
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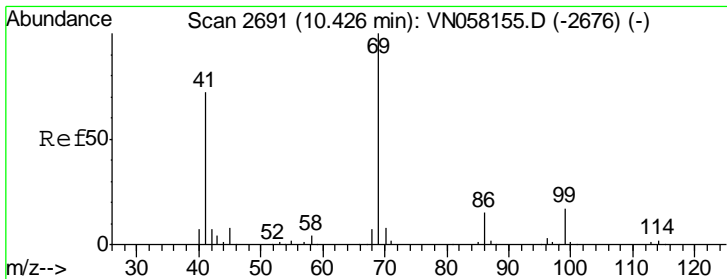
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#55
 1,1,2-Trichloroethane
 Concen: 0.688 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
97	100		
83	89.9	70.4	105.6
85	64.9	46.8	70.2
99	60.4	49.9	74.9





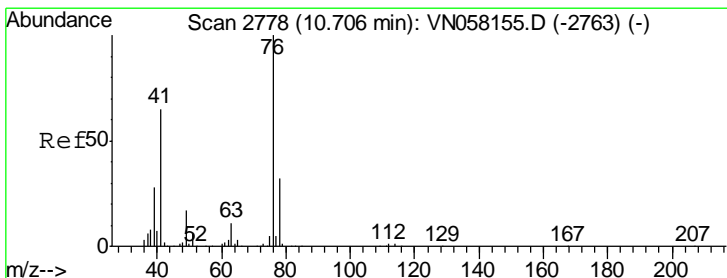
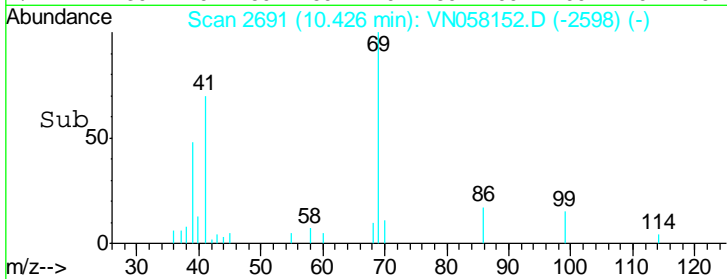
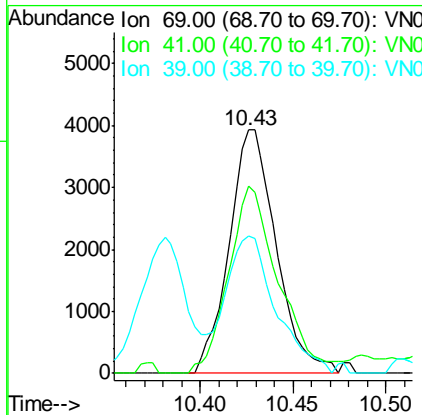
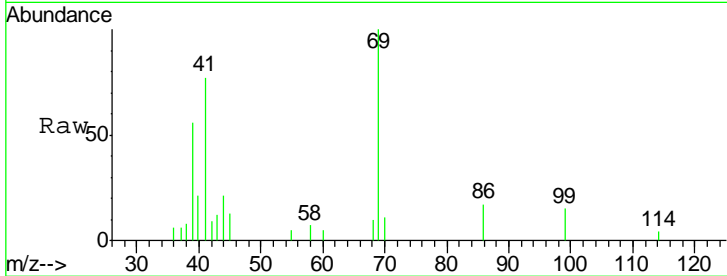
#56
 Ethyl methacrylate
 Concen: 0.552 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VN058152.D
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
69	6919		
69	100		
41	81.8	57.5	86.3
39	60.2	36.1	54.1

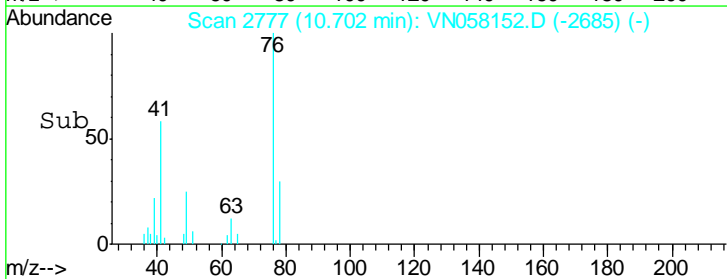
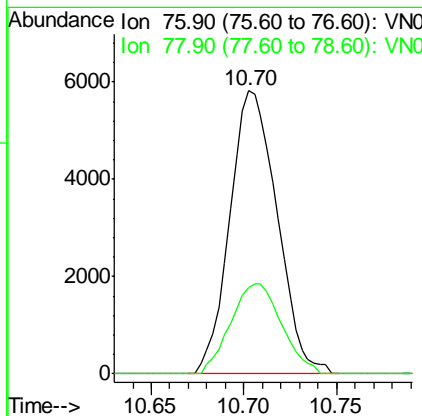
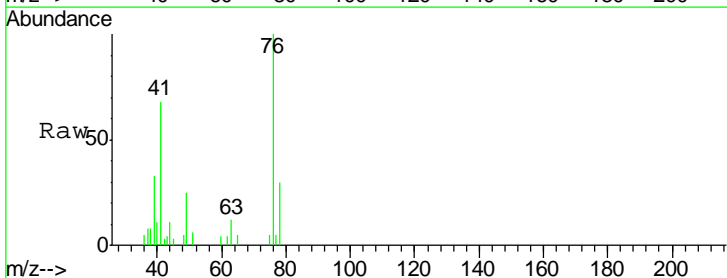
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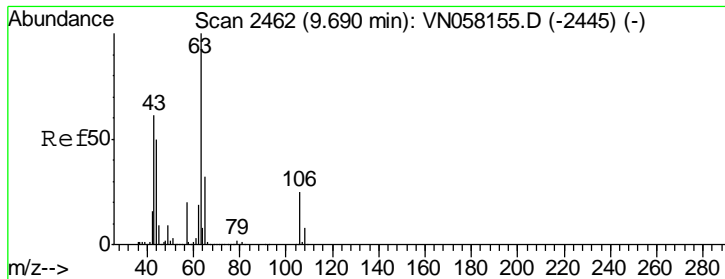
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#57
 1,3-Dichloropropane
 Concen: 0.715 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
76	10299		
76	100		
78	34.2	25.4	38.0





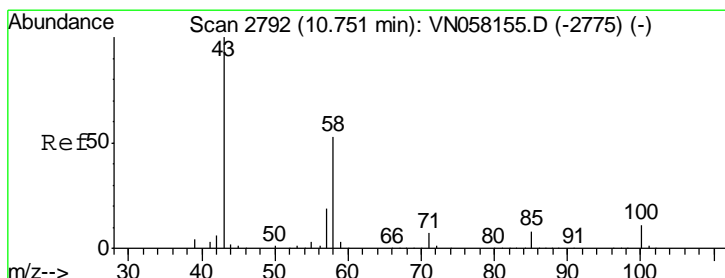
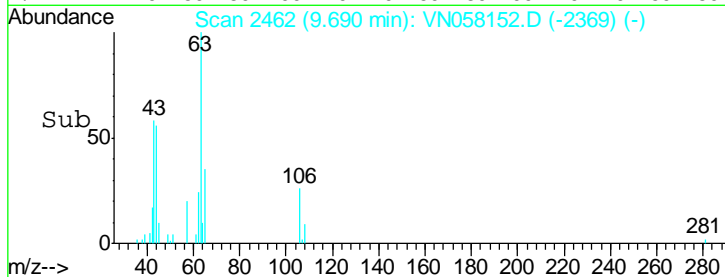
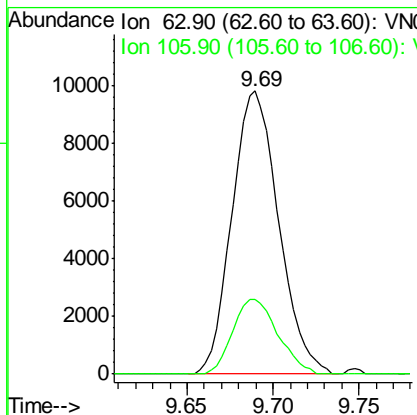
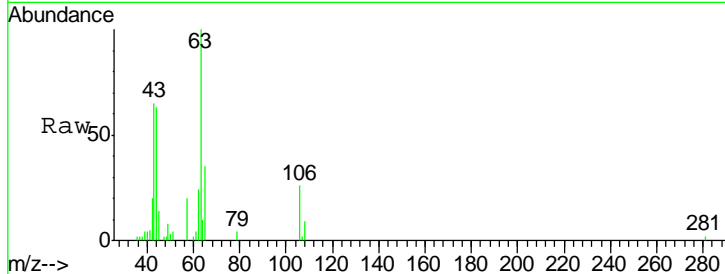
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.165 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	18497		
63	100		
106	25.4	19.9	29.9

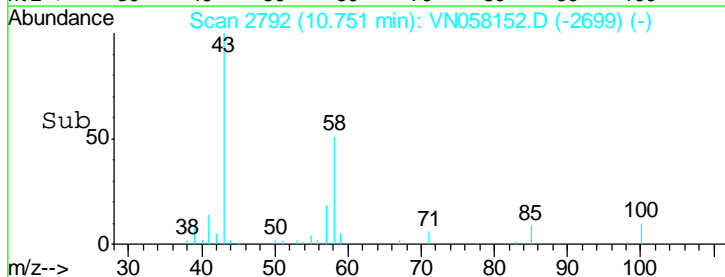
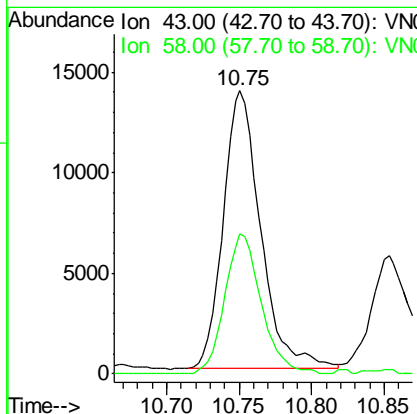
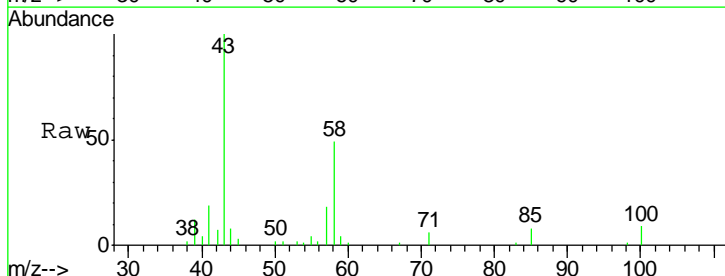
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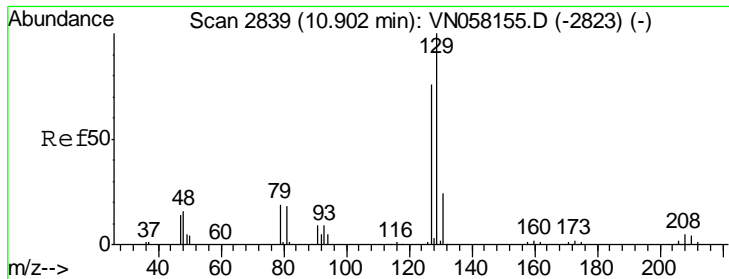
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#59
 2-Hexanone
 Concen: 3.126 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
43	24817		
43	100		
58	49.1	26.0	78.0





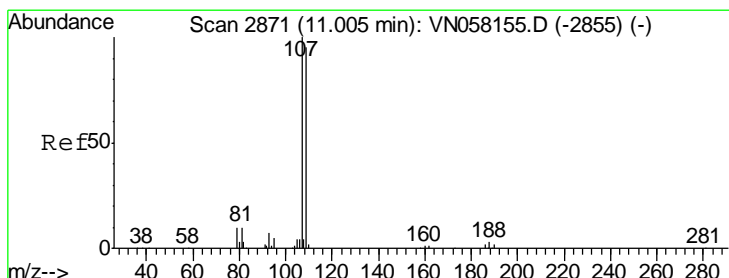
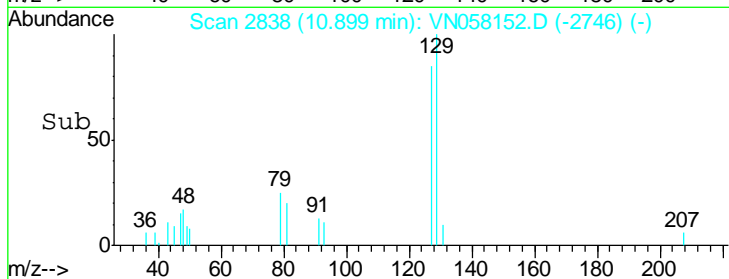
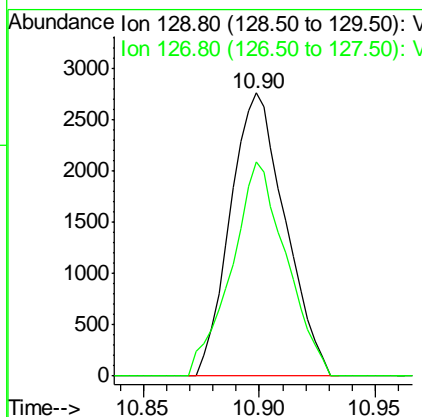
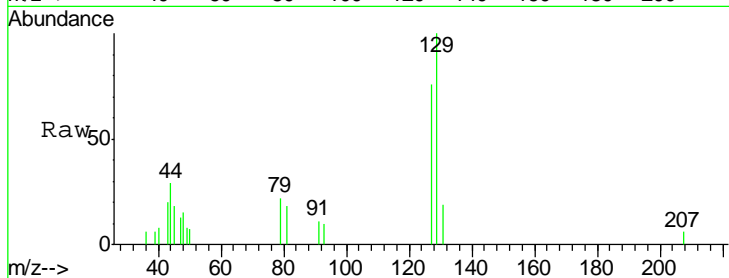
#60
 Dibromochloromethane
 Concen: 0.584 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
129	100		
127	75.7	38.7	116.1

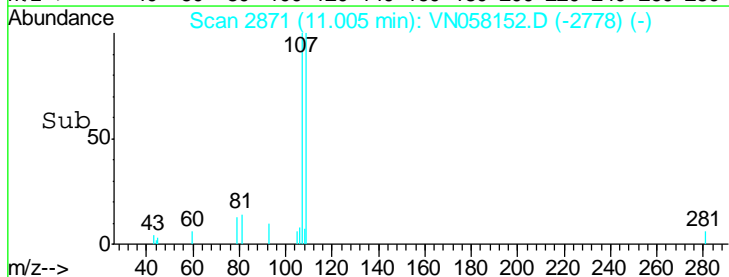
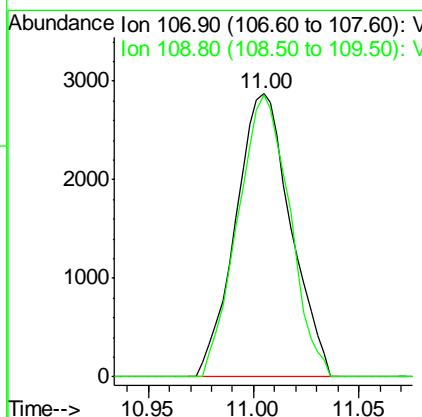
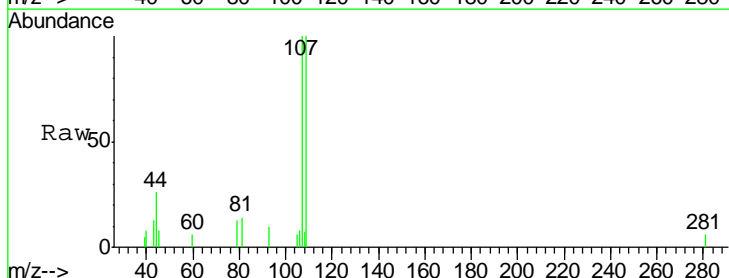
Manual Integrations
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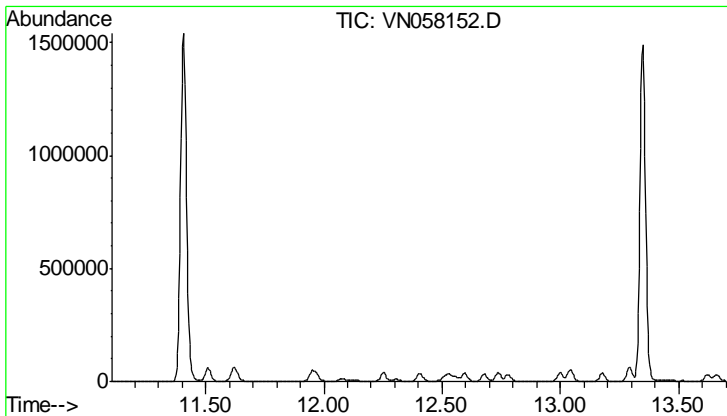
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#61
 1,2-Dibromoethane
 Concen: 0.663 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.5	75.4	113.2



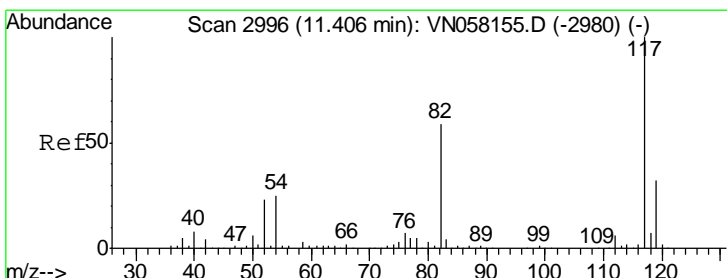
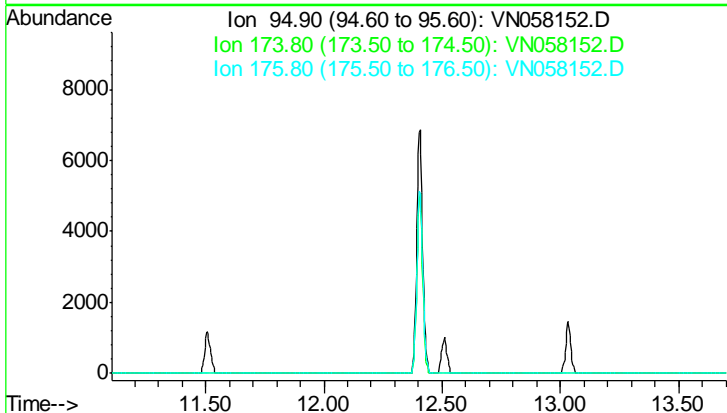


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

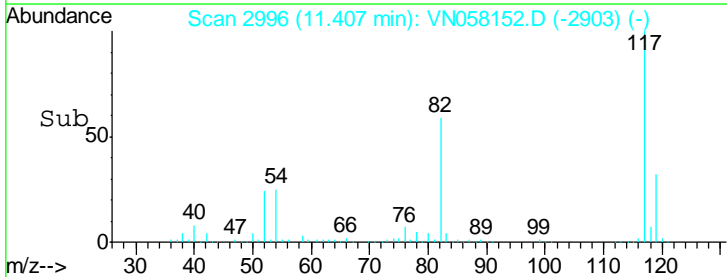
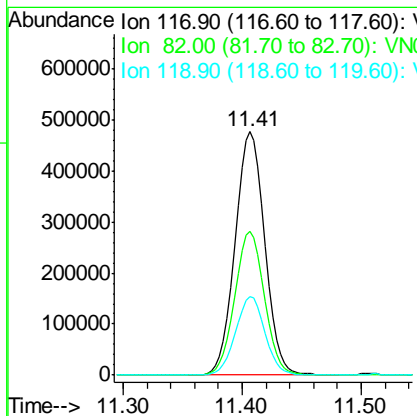
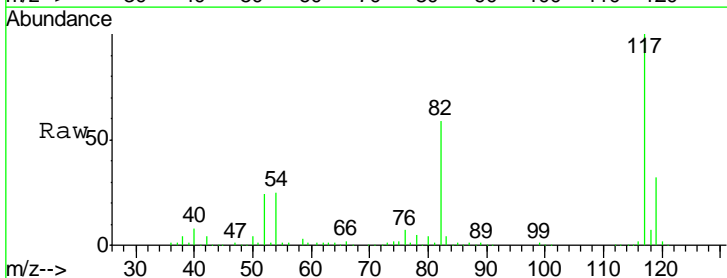
Tgt Ion	Exp Ratio
95	100
174	76.1
176	74.0

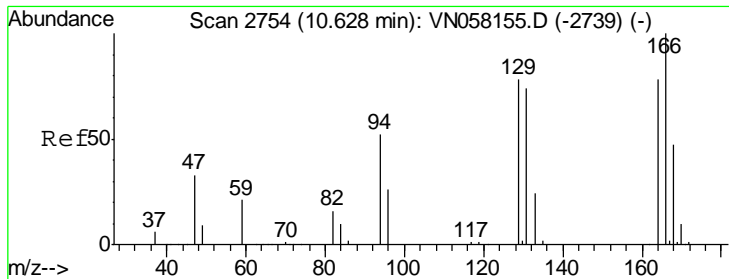
Manual Integrations
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

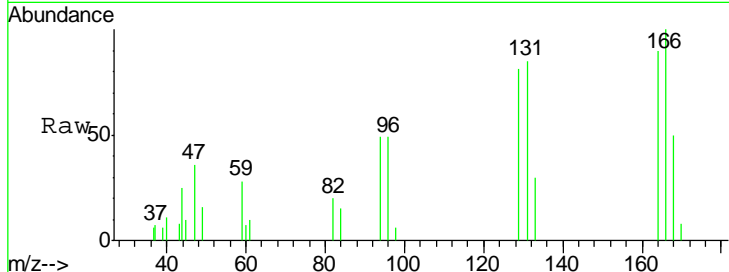
Tgt Ion	Resp	Lower	Upper
117	823388		
82	59.3	46.9	70.3
119	32.3	25.3	37.9





#64
 Tetrachloroethene
 Concen: 0.795 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

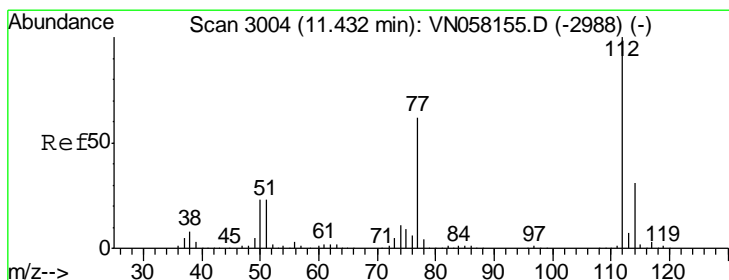
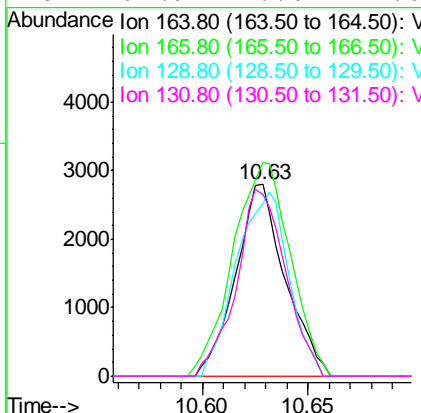
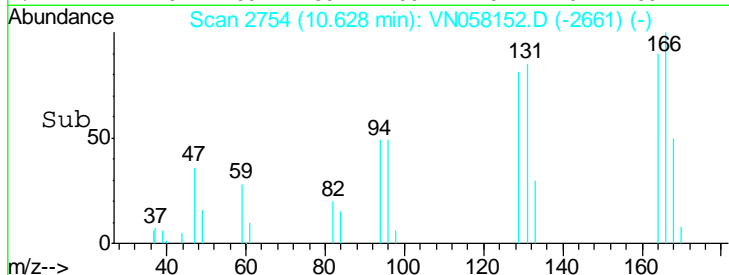
Instrument : MSVOA_N
 ClientSampled : VSTDIC001



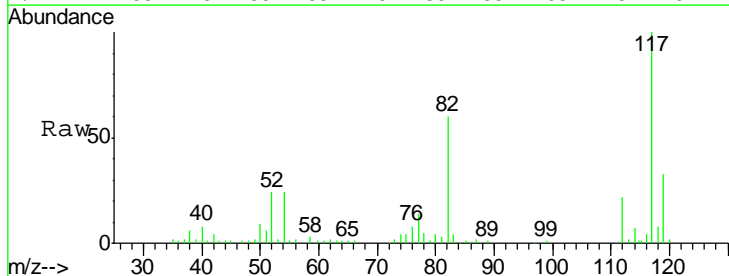
Tgt Ion: 164 Resp: 4566

Ion	Ratio	Lower	Upper
164	100		
166	111.4	102.2	153.4
129	90.2	79.6	119.4
131	94.9	76.0	114.0

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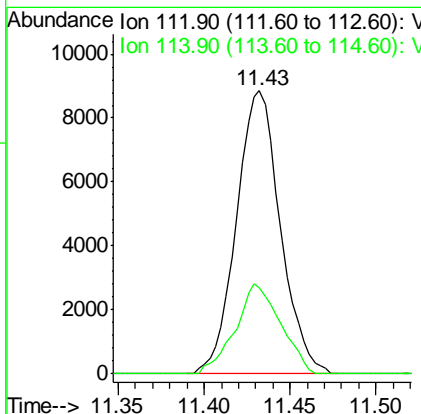
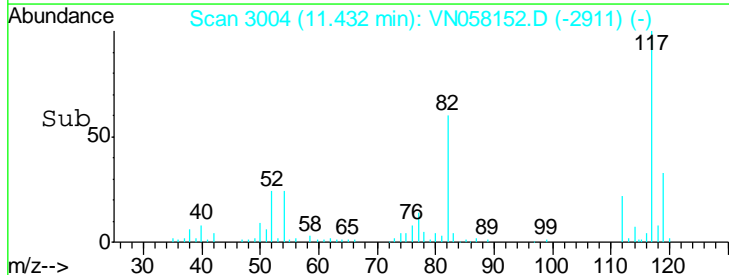


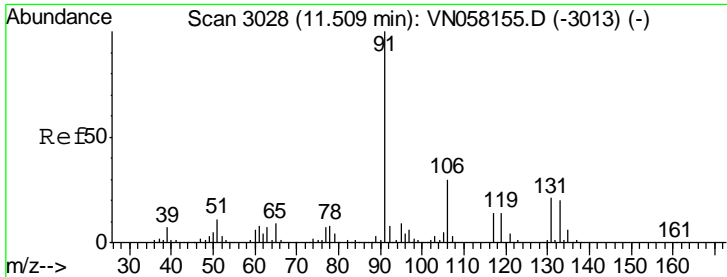
#65
 Chlorobenzene
 Concen: 0.773 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21



Tgt Ion: 112 Resp: 15672

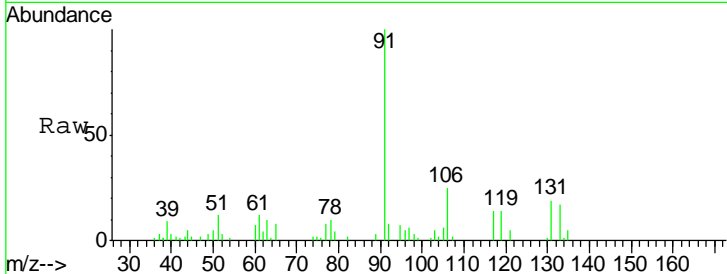
Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.1	37.7





#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.686 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

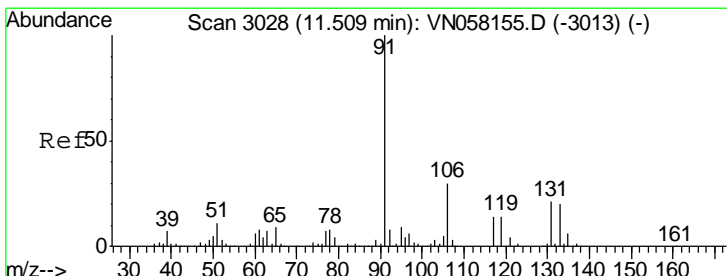
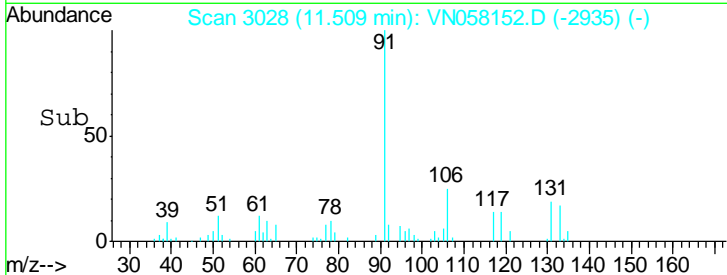
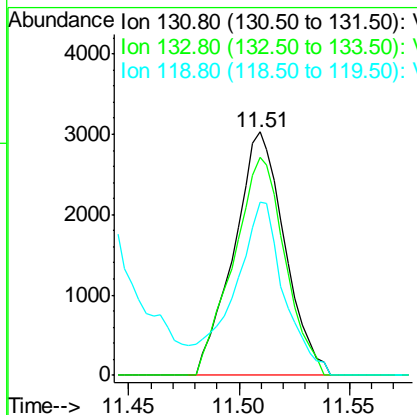


Tgt Ion: 131 Resp: 4840

Ion	Ratio	Lower	Upper
131	100		
133	90.8	47.8	143.3
119	0.0	33.1	99.3#

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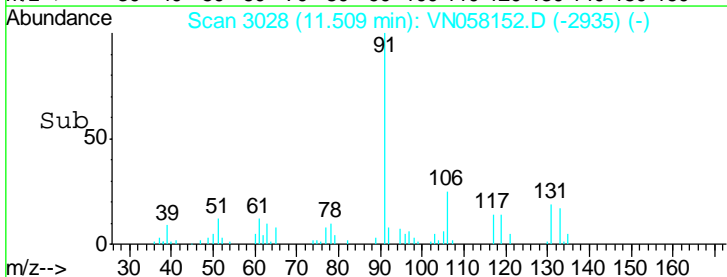
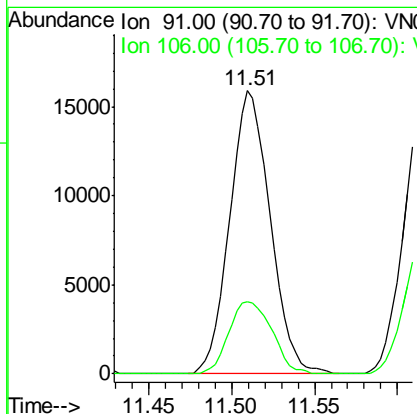
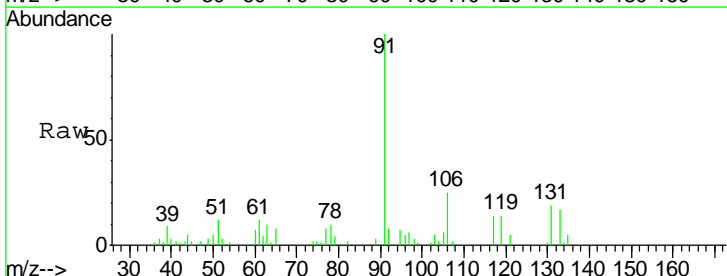
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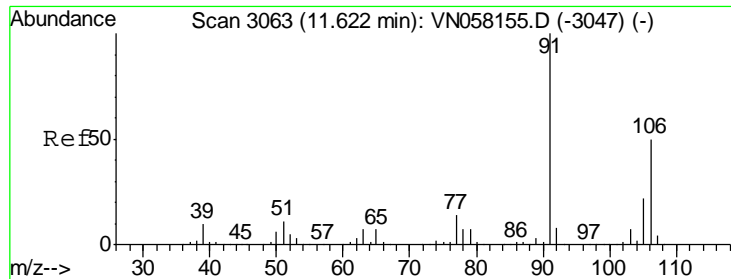


#67
 Ethyl Benzene
 Concen: 0.760 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion: 91 Resp: 26963

Ion	Ratio	Lower	Upper
91	100		
106	25.4	24.0	36.0





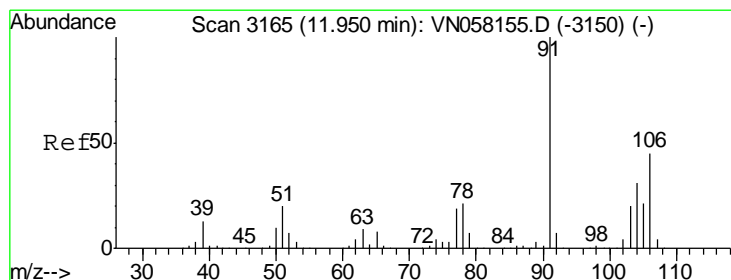
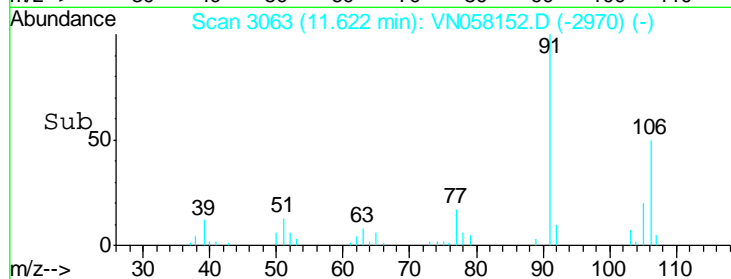
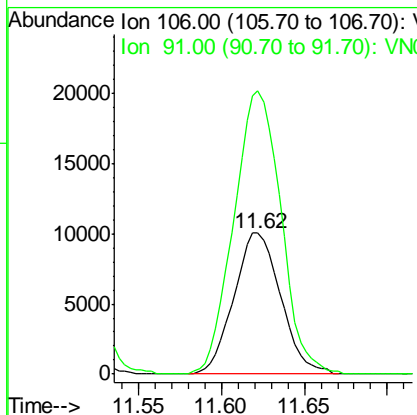
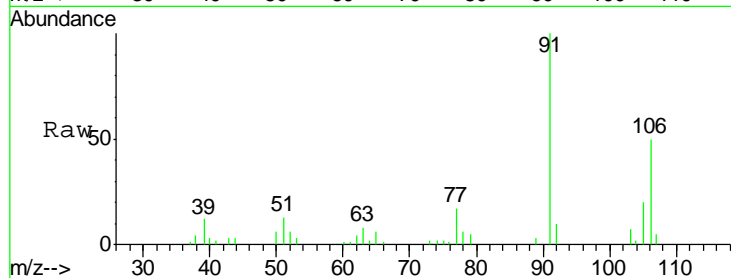
#68
 m/p-Xylenes
 Concen: 1.523 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
106	19794		
106	100		
91	202.0	163.6	245.4

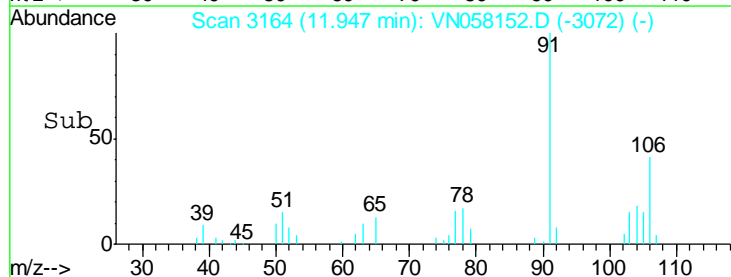
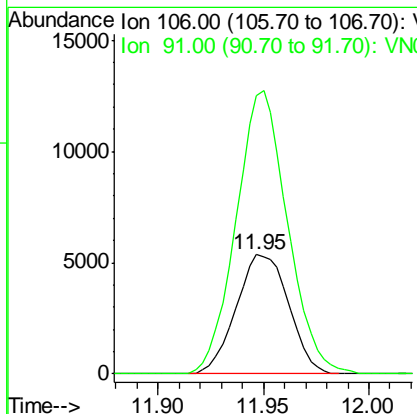
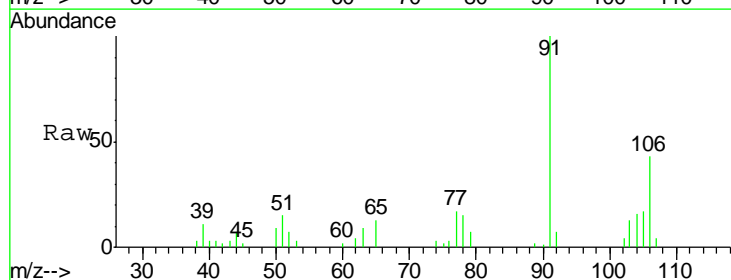
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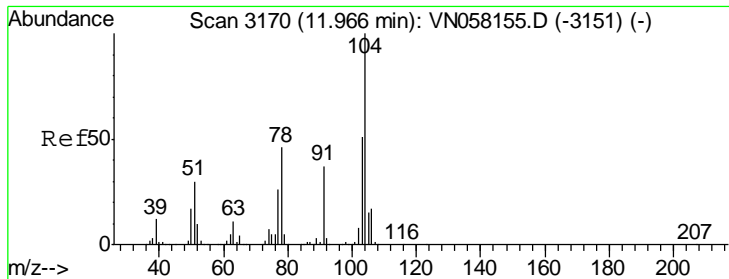
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#69
 o-Xylene
 Concen: 0.720 ug/l
 RT: 11.95 min Scan# 3164
 Delta R.T. -0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
106	9269		
106	100		
91	232.1	111.8	335.3





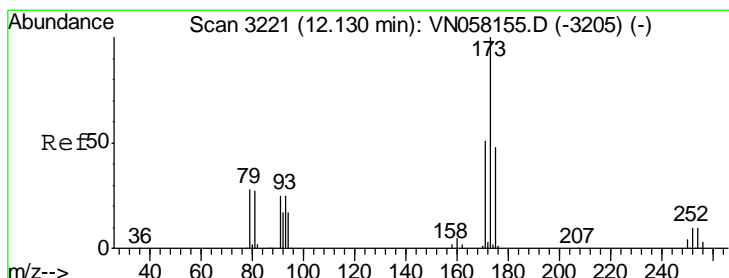
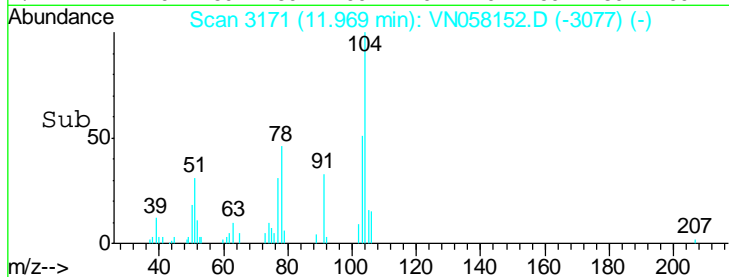
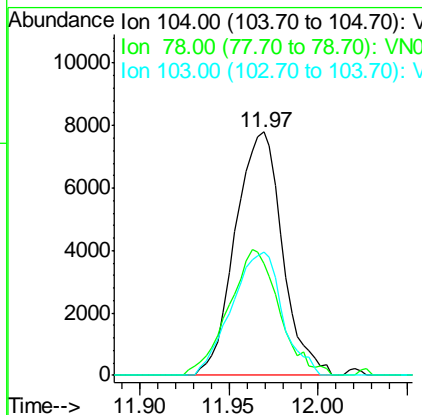
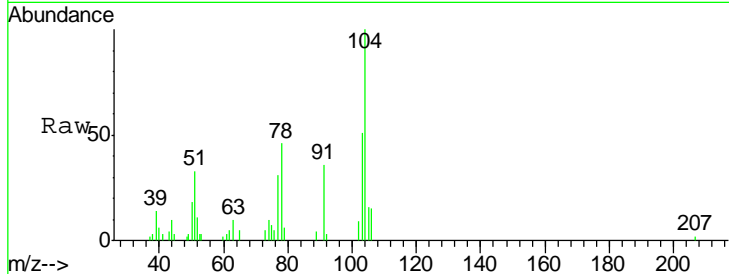
#70
 Styrene
 Concen: 0.647 ug/l
 RT: 11.97 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
104	14330		
78	55.5	41.8	62.8
103	54.2	44.2	66.2

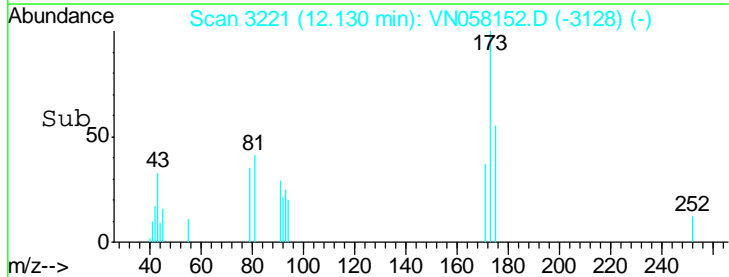
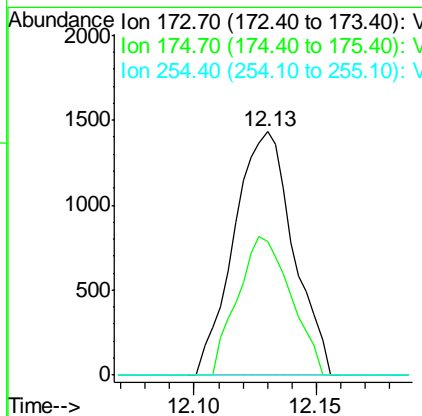
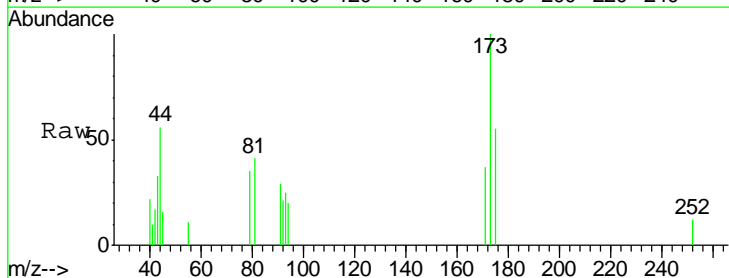
Manual Integrations
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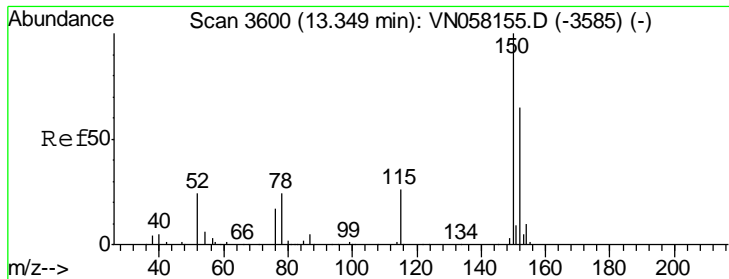
MMDadoda
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#71
 Bromoform
 Concen: 0.549 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
173	2406		
175	51.1	24.2	72.6
254	0.0	0.1	0.1#



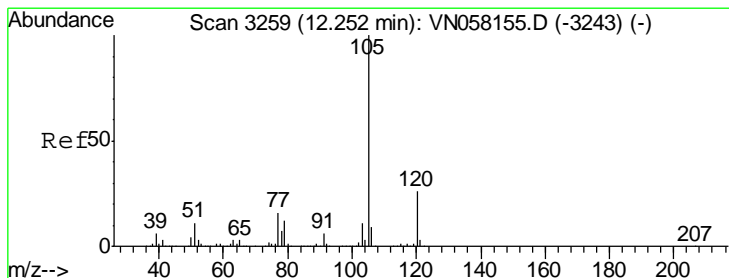
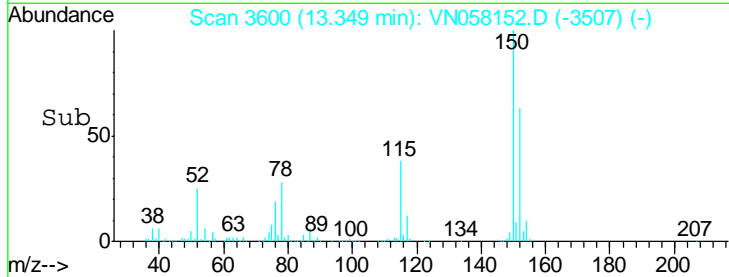
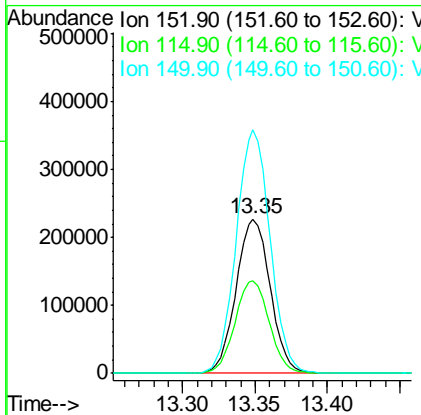
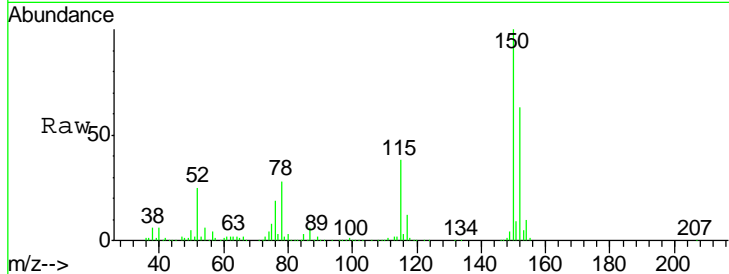


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

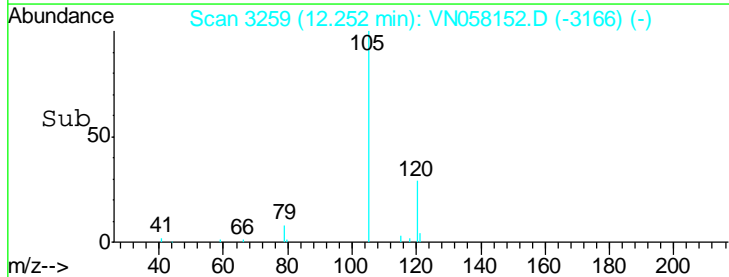
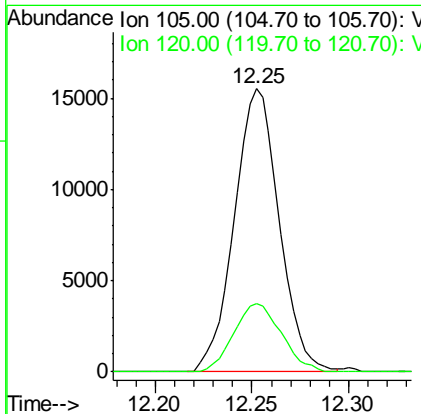
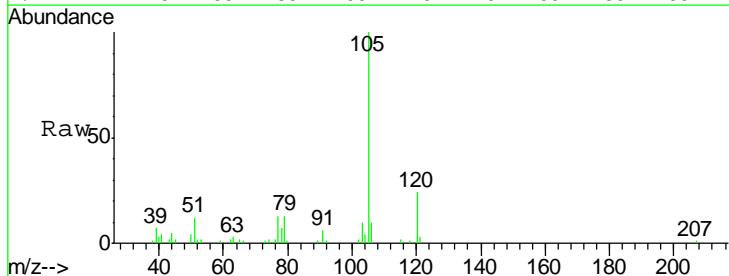
Tgt Ion	Resp	Lower	Upper
152	371819		
152	100		
115	59.7	30.1	90.3
150	156.7	0.0	346.4

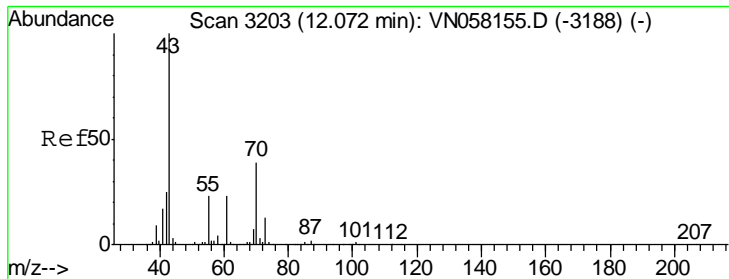
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#73
 Isopropylbenzene
 Concen: 0.899 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
105	25056		
105	100		
120	25.6	12.8	38.3





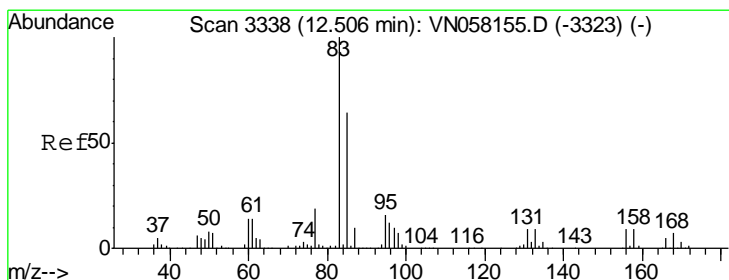
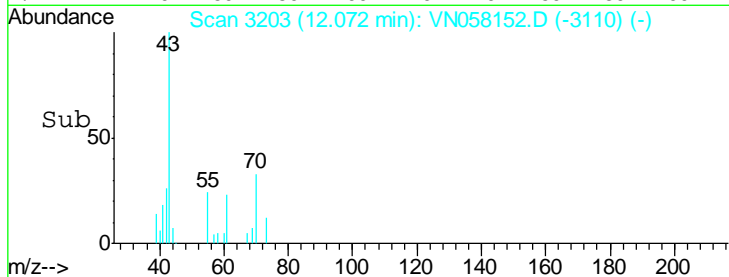
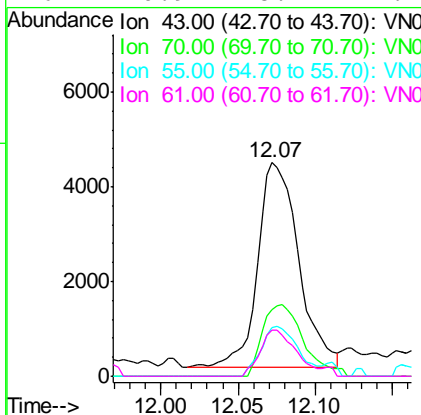
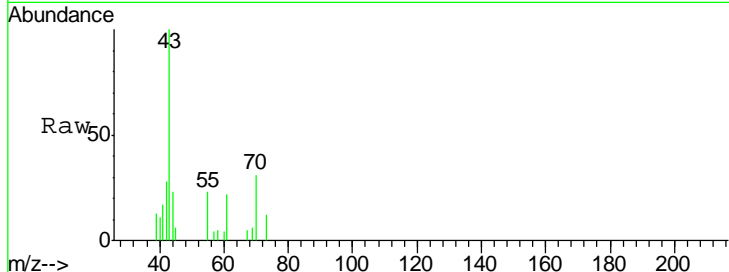
#74
 N-amyl acetate
 Concen: 0.658 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.1	31.0	46.6
55	22.3	18.5	27.7
61	20.9	18.2	27.2

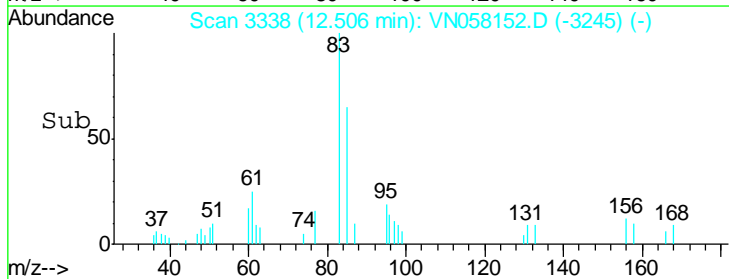
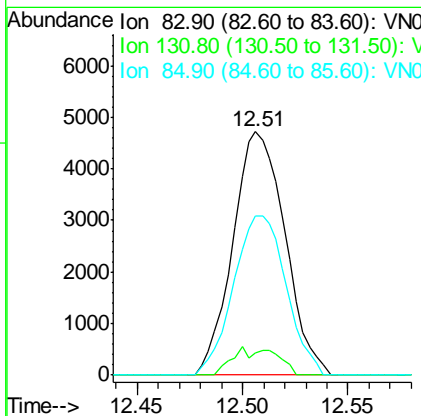
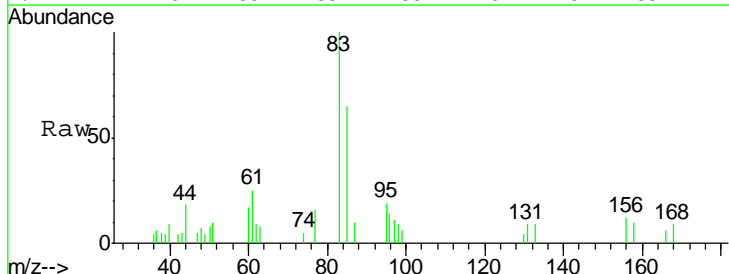
Manual Integrations
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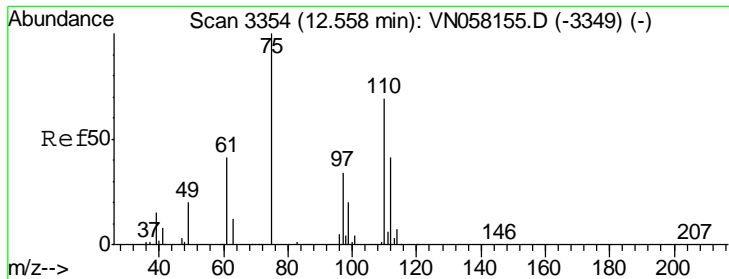
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.863 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
131	4.0	4.8	14.3#
85	66.1	31.9	95.5





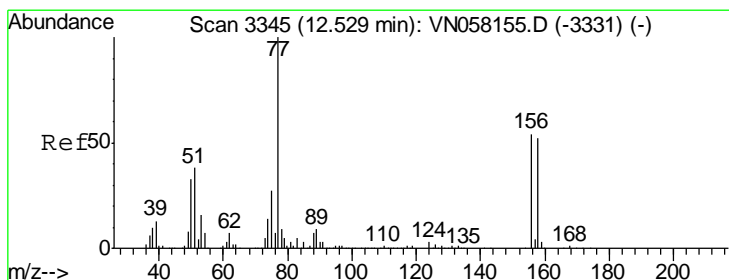
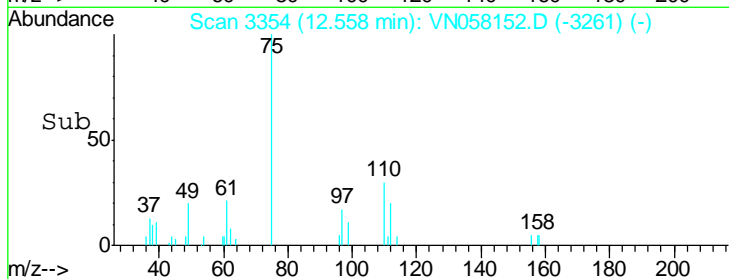
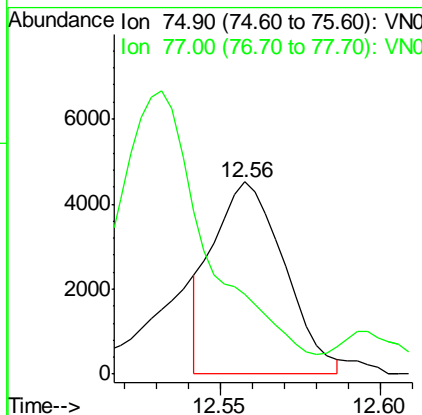
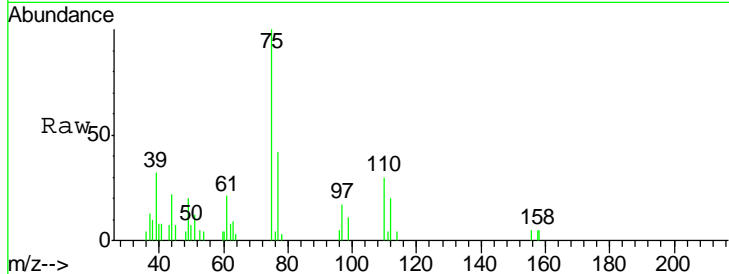
#76
 1,2,3-Trichloropropane
 Concen: 0.868 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

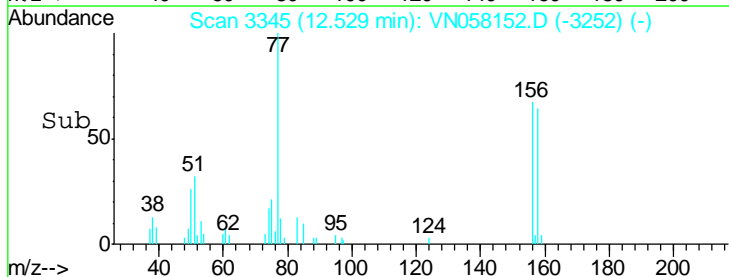
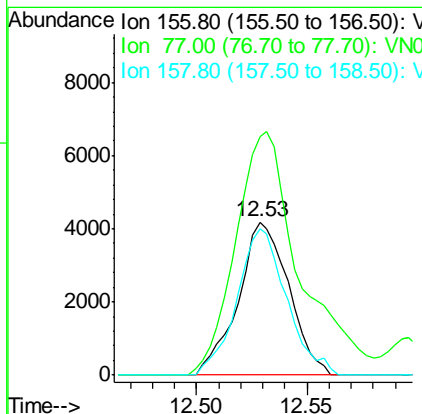
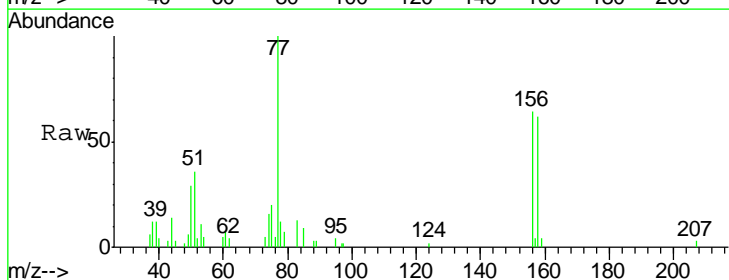
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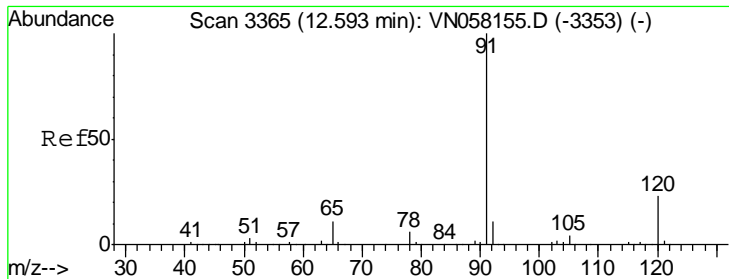
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#77
 Bromobenzene
 Concen: 0.951 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
156	100		
77	202.5	111.7	335.1
158	94.2	47.9	143.8





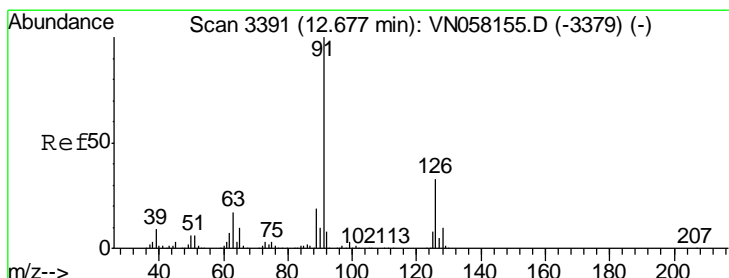
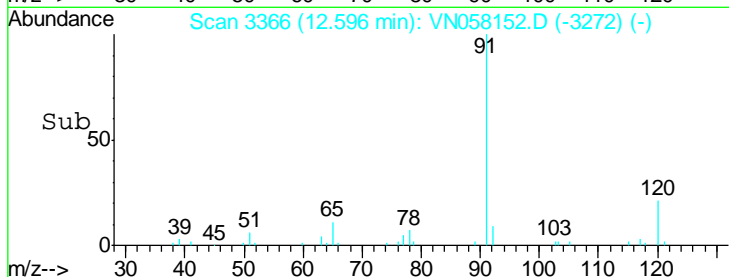
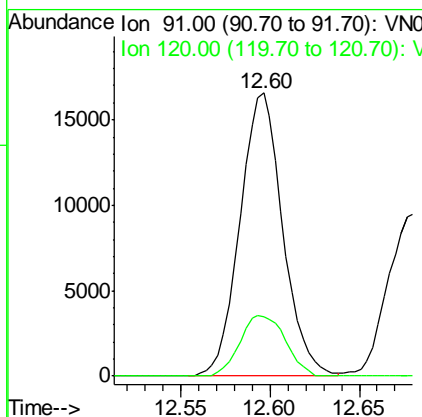
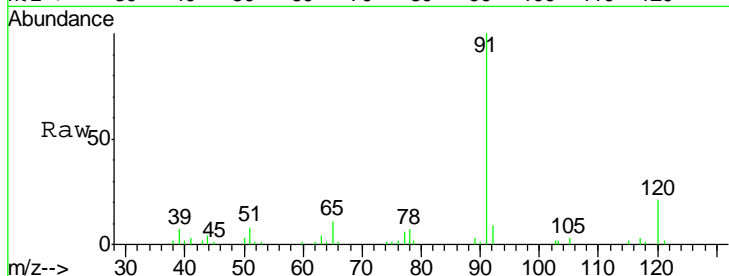
#78
 n-propylbenzene
 Concen: 0.866 ug/l
 RT: 12.60 min Scan# 3366
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
120	22.8	11.1	33.3

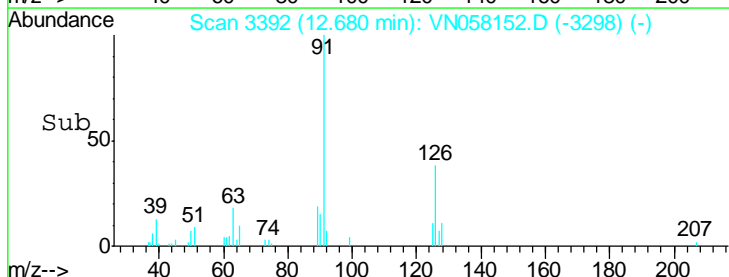
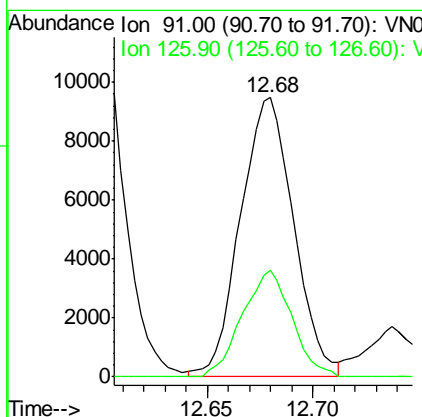
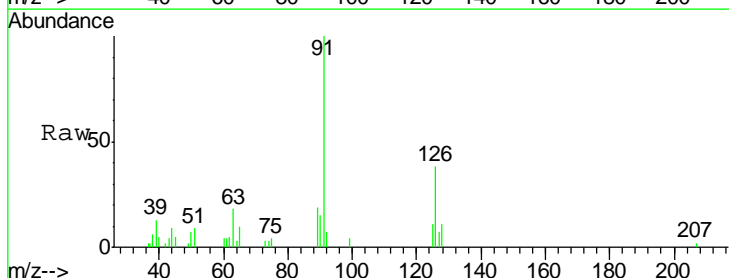
Manual Integrations
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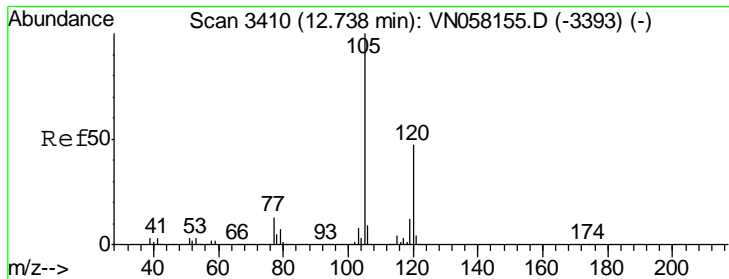
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#79
 2-Chlorotoluene
 Concen: 0.820 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.6	16.4	49.1





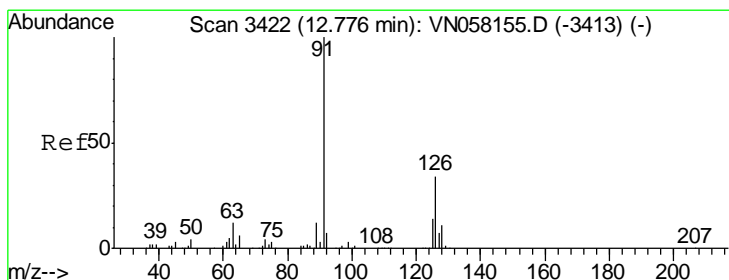
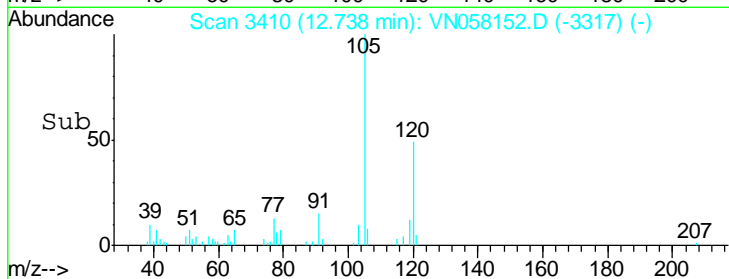
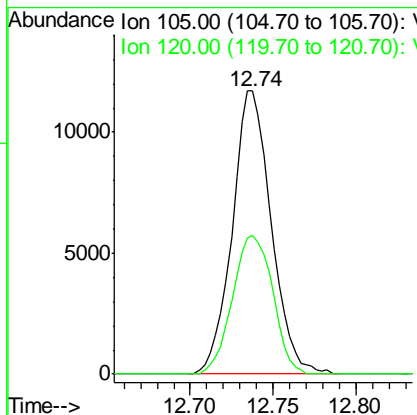
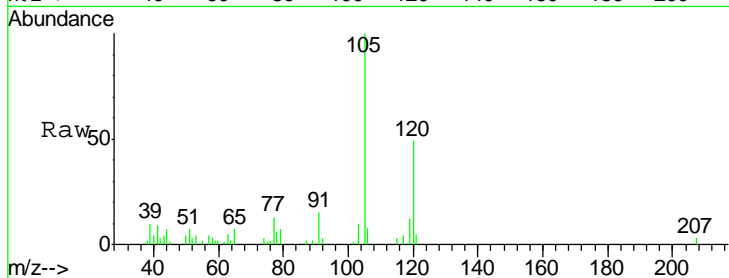
#80
 1,3,5-Trimethylbenzene
 Concen: 0.812 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	19141		
105	100		
120	50.4	23.4	70.0

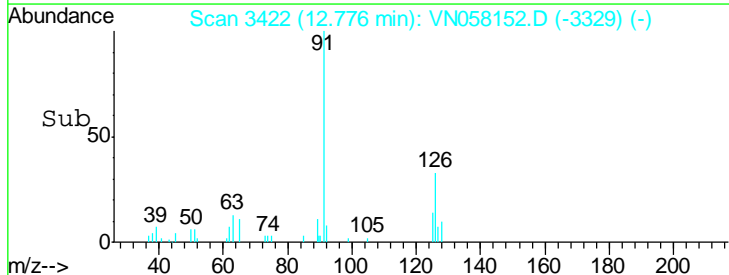
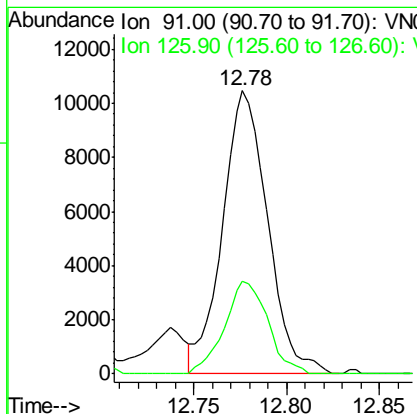
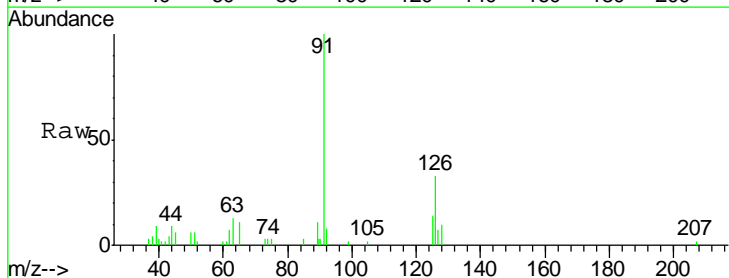
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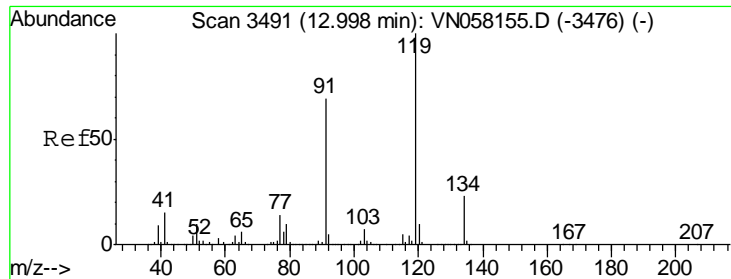
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#82
 4-Chlorotoluene
 Concen: 0.849 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
91	17647		
91	100		
126	31.4	15.7	47.1





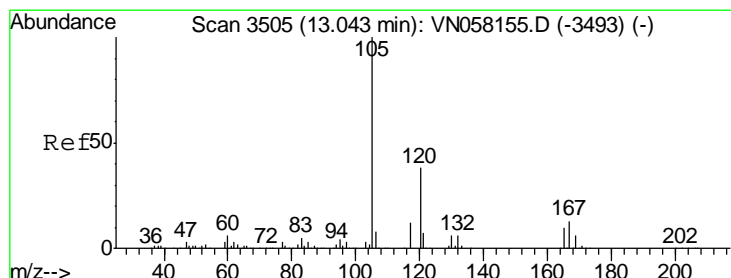
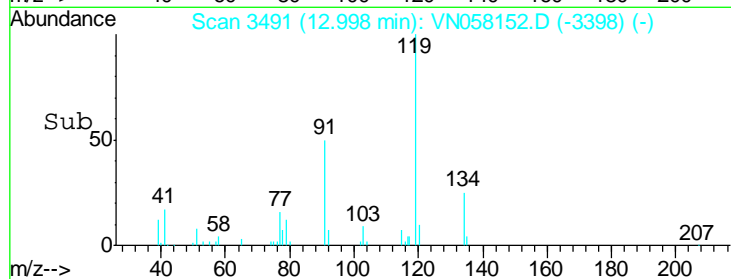
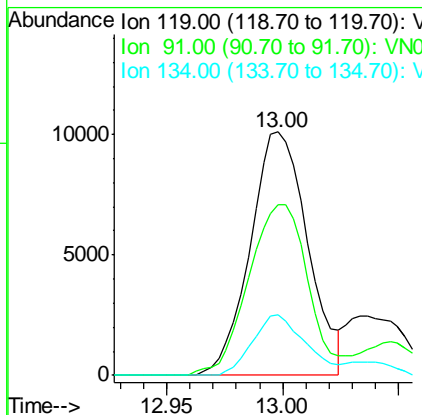
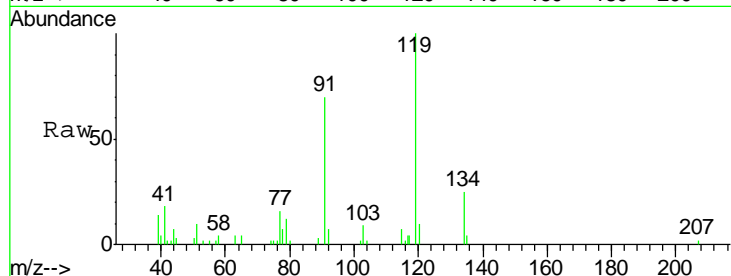
#83
 tert-Butylbenzene
 Concen: 0.833 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
119	17446		
91	72.9	33.8	101.3
134	22.8	11.6	34.8

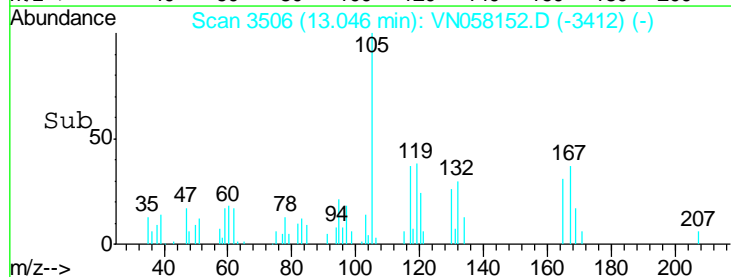
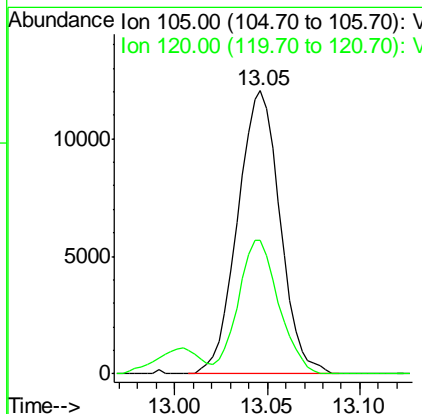
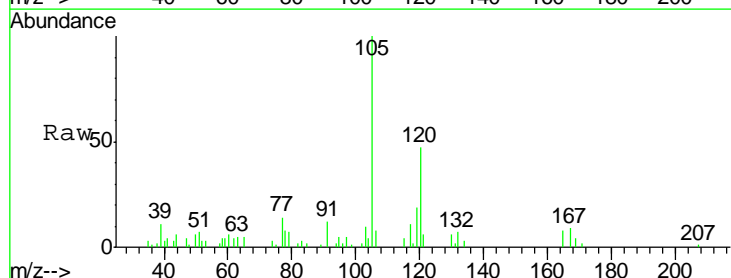
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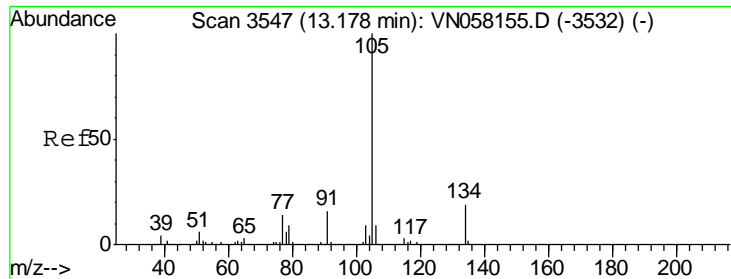
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.802 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
105	19169		
120	45.1	22.1	66.5





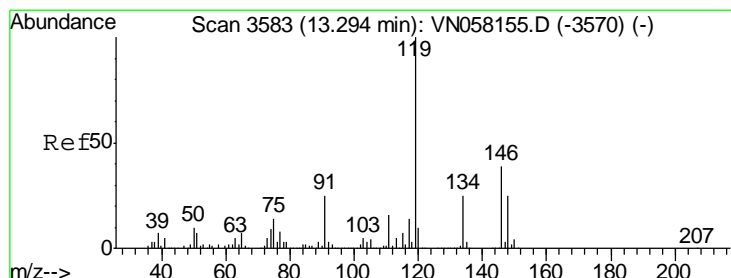
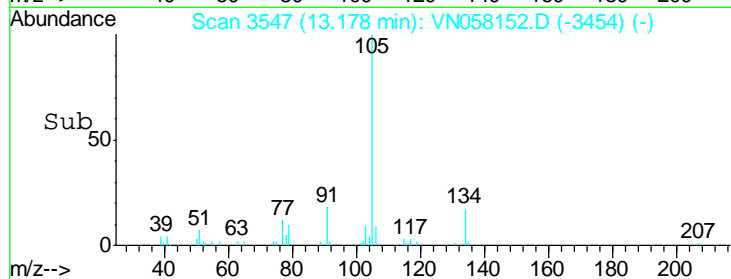
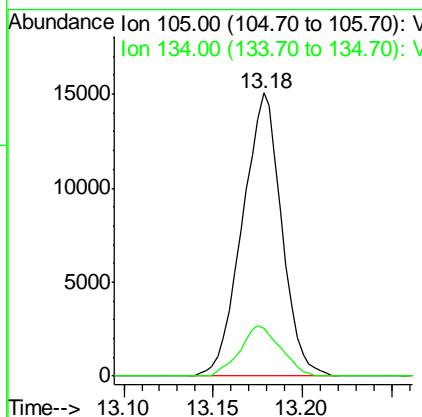
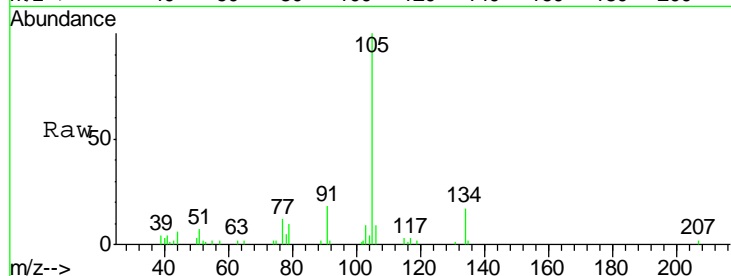
#85
 sec-Butylbenzene
 Concen: 0.835 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	23157		
105	100		
134	18.3	9.5	28.5

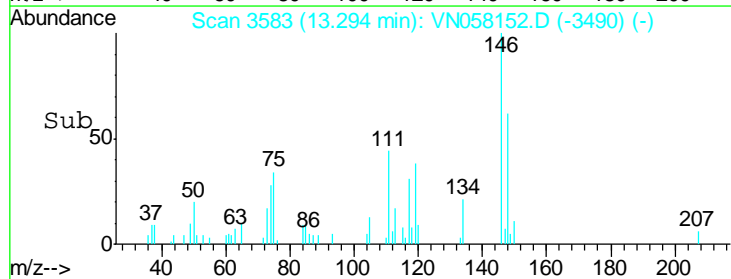
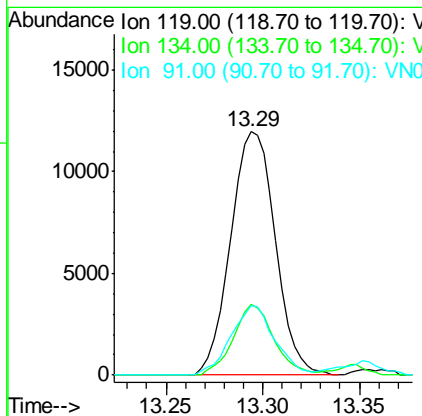
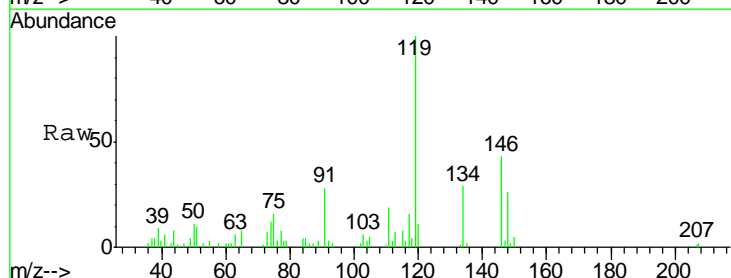
Manual Integrations
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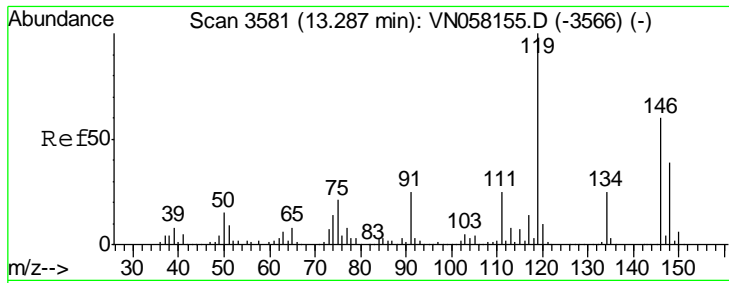
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#86
 p-Isopropyltoluene
 Concen: 0.789 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
119	19235		
119	100		
134	26.4	12.7	38.0
91	27.9	12.3	36.8



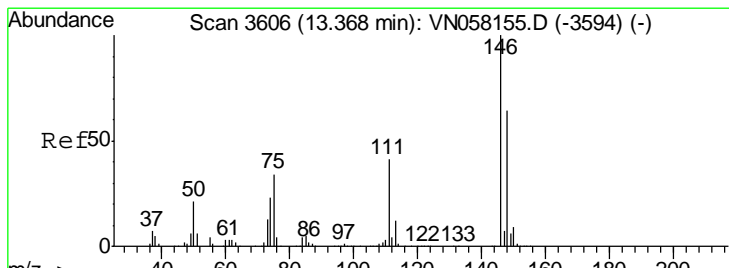
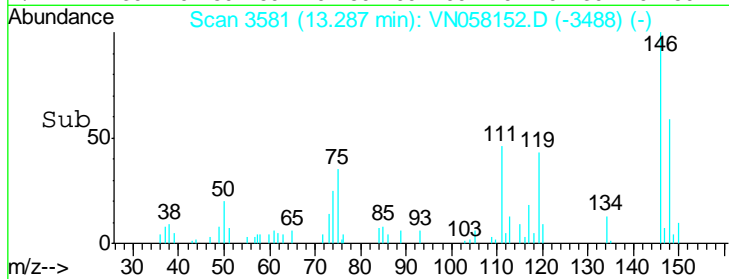
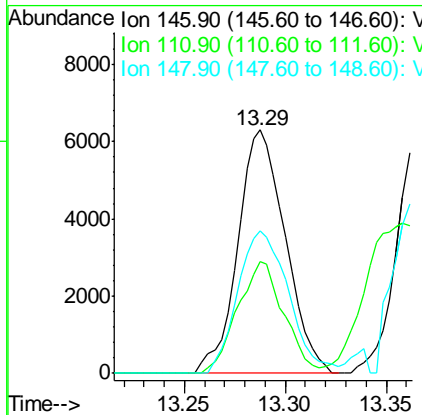
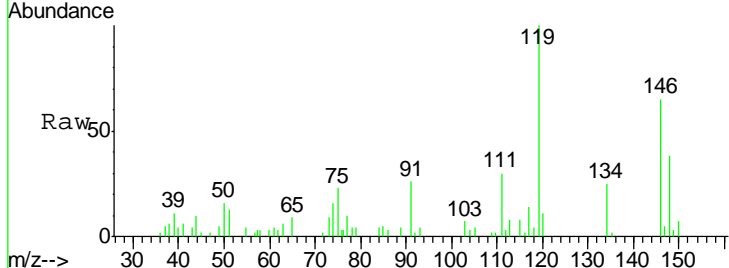


#87
 1,3-Dichlorobenzene
 Concen: 0.813 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

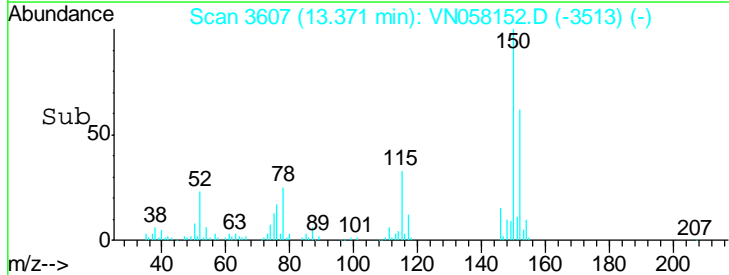
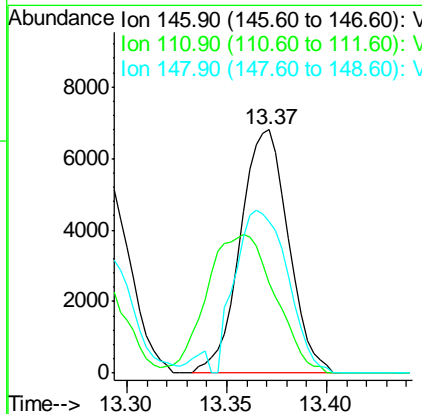
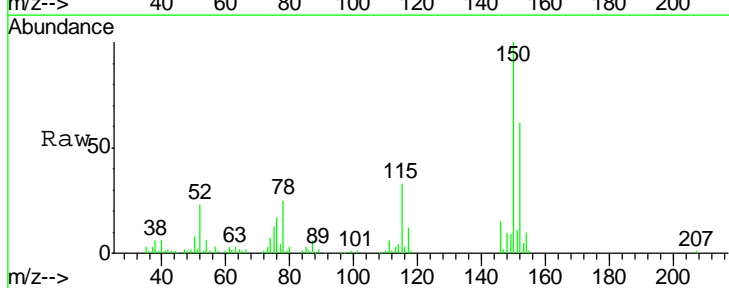
Tgt Ion	Resp	Lower	Upper
146	10374		
146	100		
111	44.9	20.9	62.8
148	62.9	32.0	96.2

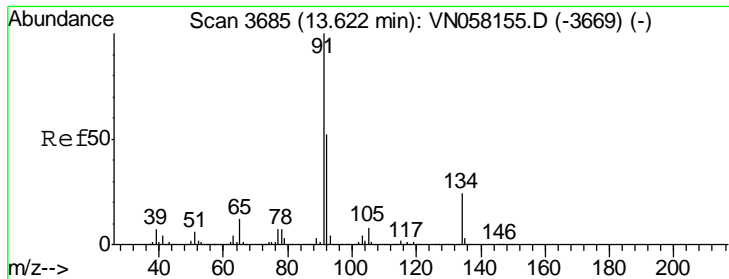
Manual Integrations
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 MMDadoda
 9/20/2019 1:14:09 PM



#88
 1,4-Dichlorobenzene
 Concen: 0.878 ug/l m
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
146	11408		
146	100		
111	40.8	20.5	61.5
148	57.2	31.9	95.5





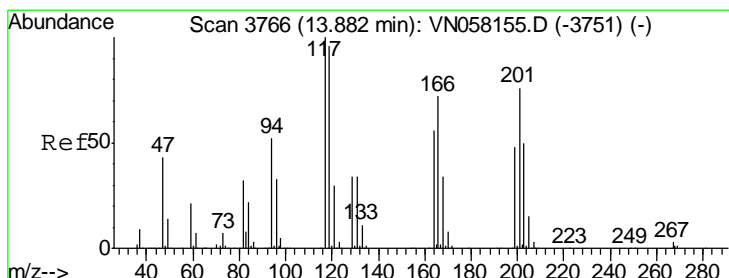
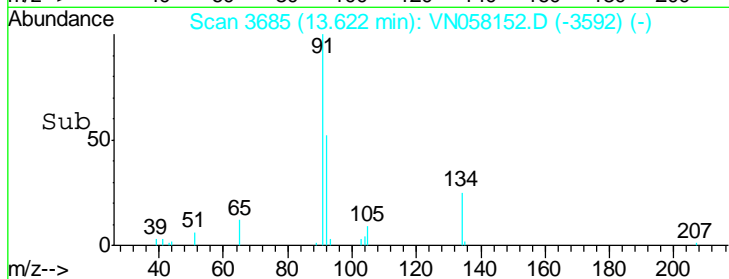
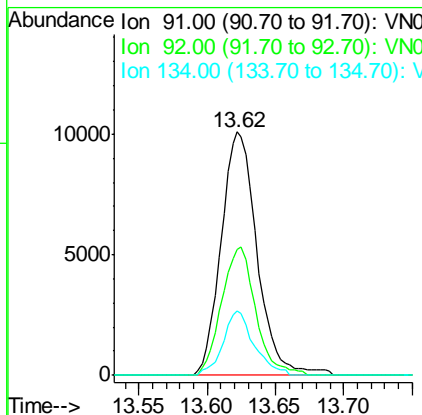
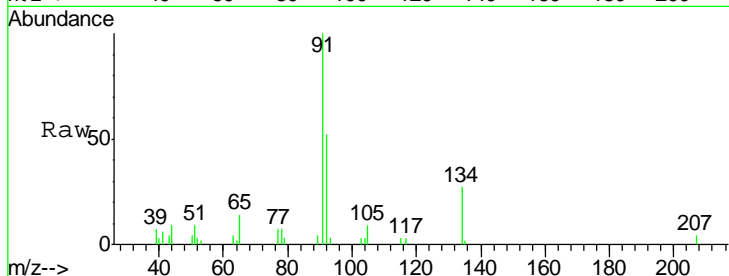
#89
 n-Butylbenzene
 Concen: 0.798 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	18444		
91	100		
92	49.9	25.7	77.0
134	22.9	11.8	35.4

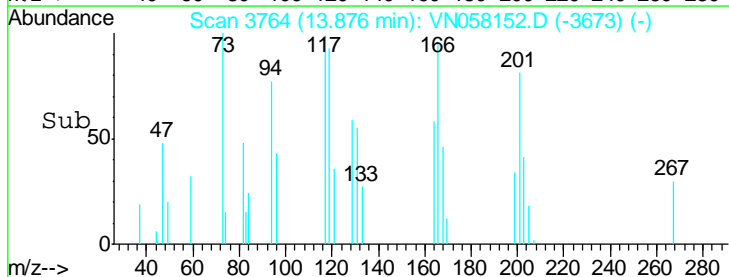
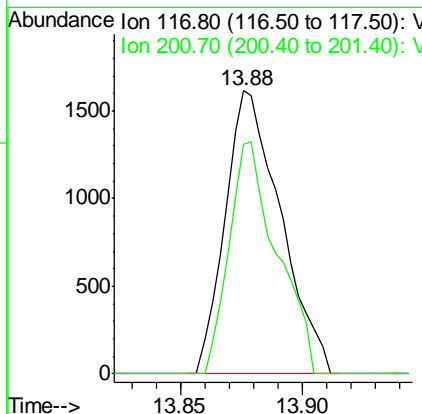
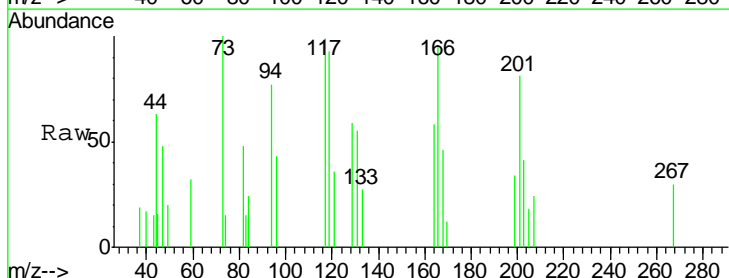
Manual Integrations
 APPROVED

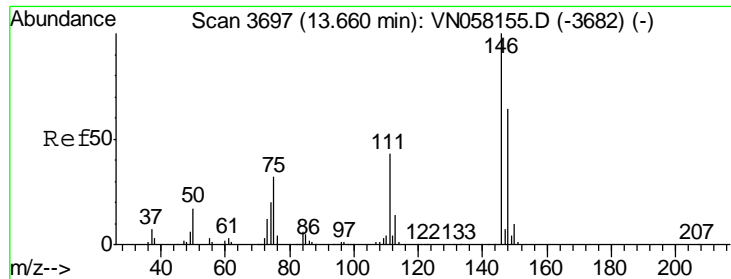
MMDadoda
 9/20/2019 1:14:09 PM



#90
 Hexachloroethane
 Concen: 0.701 ug/l
 RT: 13.88 min Scan# 3764
 Delta R.T. -0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
117	2556		
117	100		
201	70.7	37.5	112.5





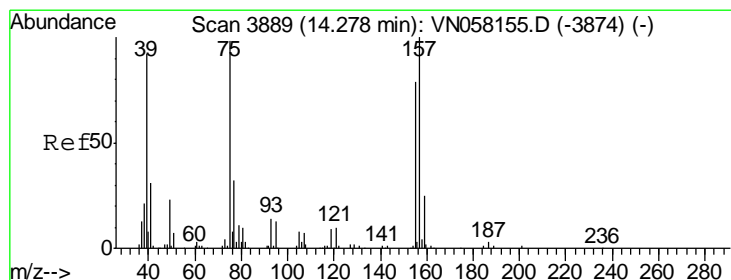
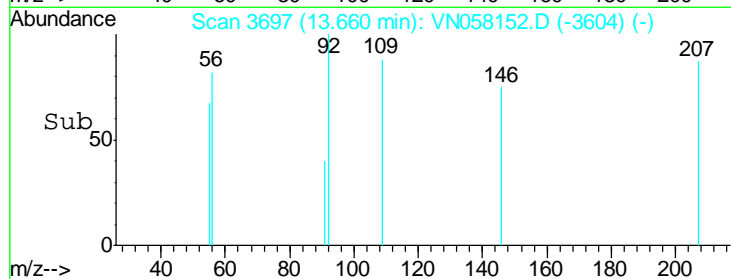
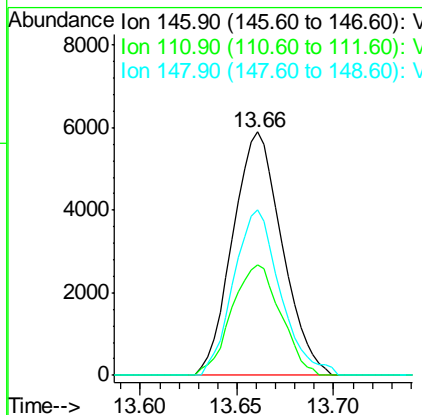
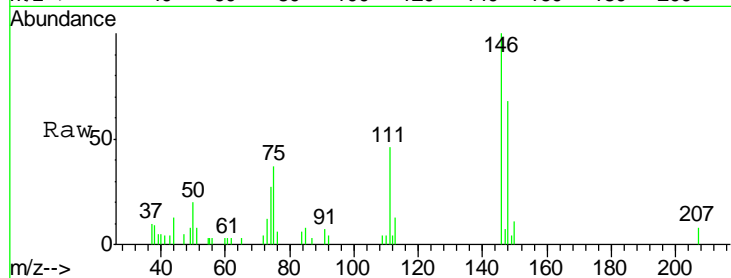
#91
 1,2-Dichlorobenzene
 Concen: 0.820 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
146	10487		
146	100		
111	44.9	21.1	63.1
148	64.2	31.8	95.4

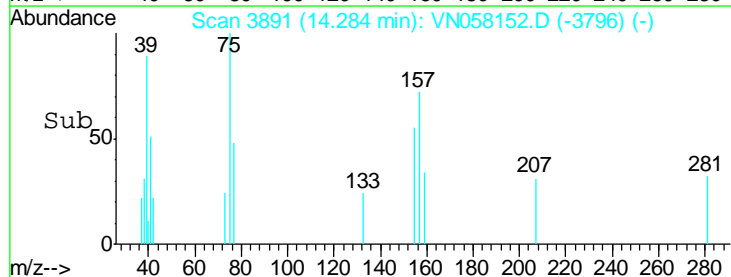
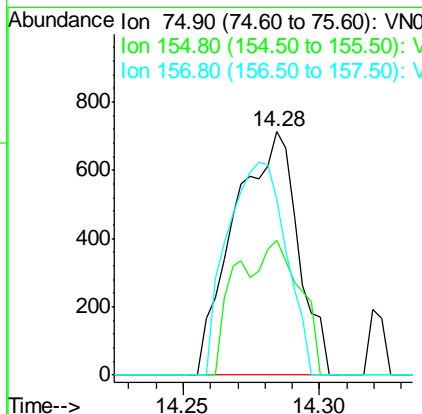
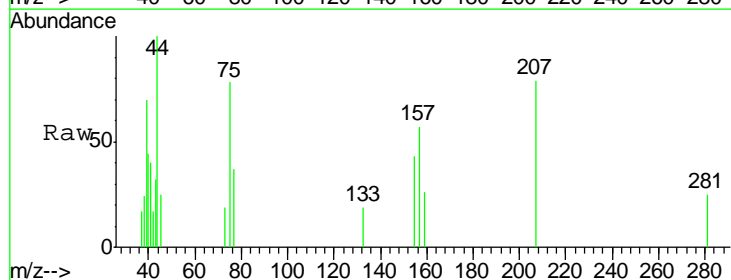
Manual Integrations
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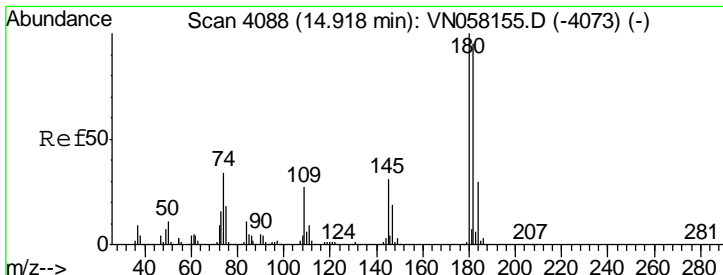
MMDadoda
 9/20/2019 1:14:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.743 ug/l
 RT: 14.28 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

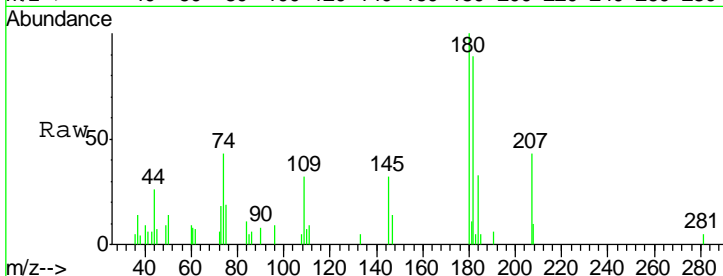
Tgt Ion	Resp	Lower	Upper
75	1155		
75	100		
155	30.6	38.3	114.8#
157	0.0	48.0	144.0#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.716 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

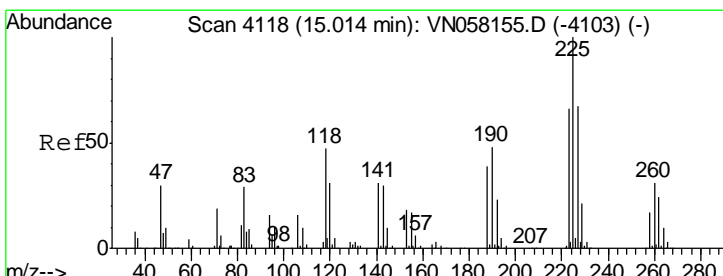
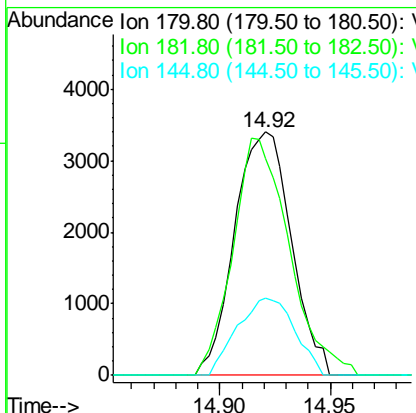
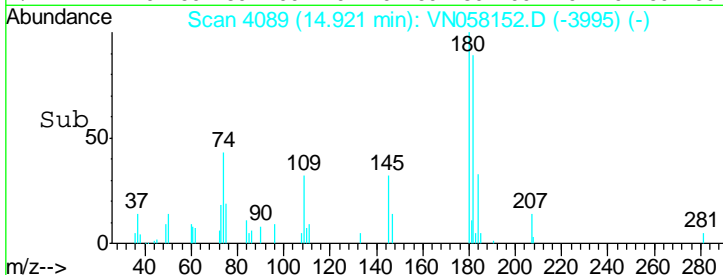
Instrument : MSVOA_N
 Client Sampled : VSTDIC001



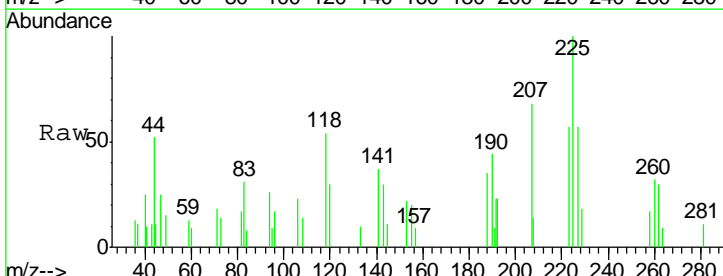
Tgt Ion: 180 Resp: 6046

Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.8	143.3
145	32.1	15.4	46.4

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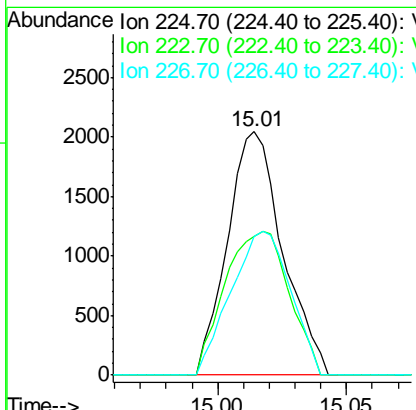
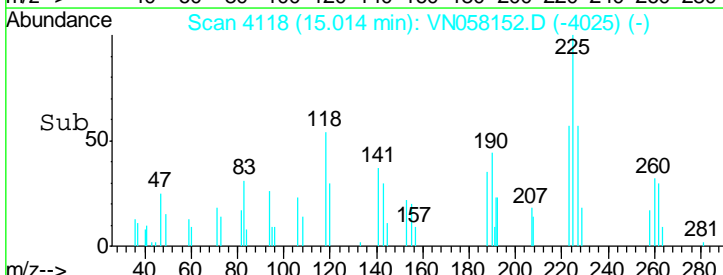


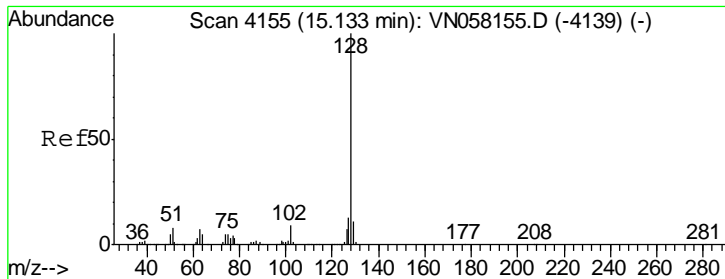
#94
 Hexachlorobutadiene
 Concen: 0.845 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21



Tgt Ion: 225 Resp: 3061

Ion	Ratio	Lower	Upper
225	100		
223	68.4	32.6	97.7
227	63.7	33.0	99.0





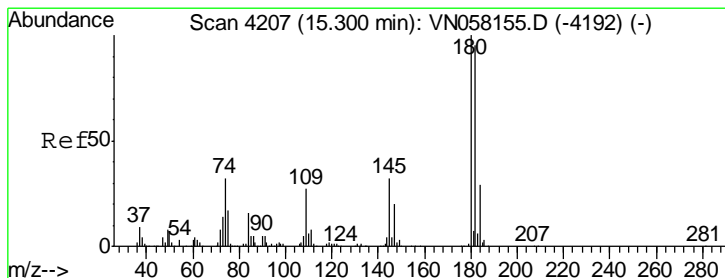
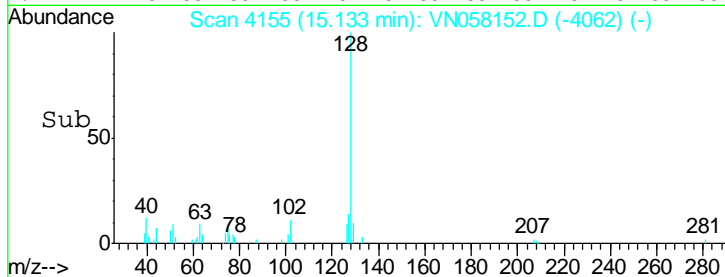
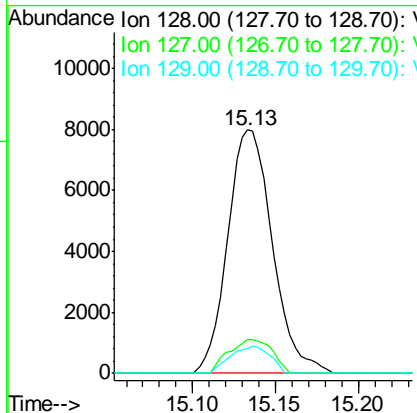
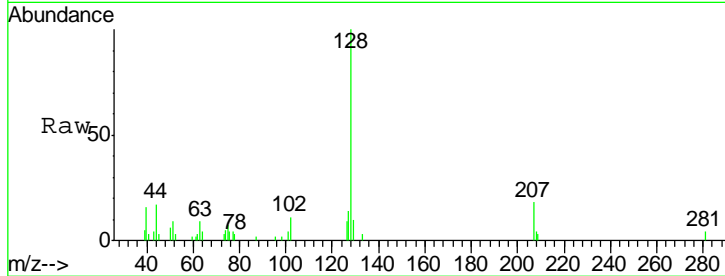
#95
 Naphthalene
 Concen: 0.619 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
128	14966		
127	13.5	10.2	15.2
129	9.9	8.6	12.8

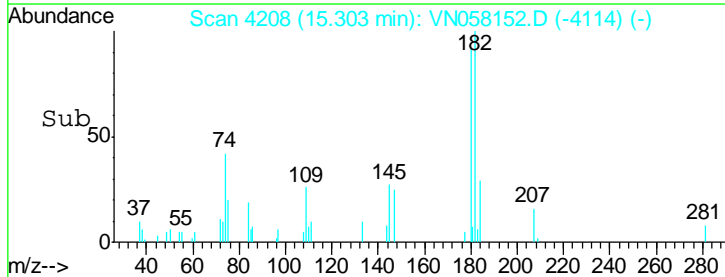
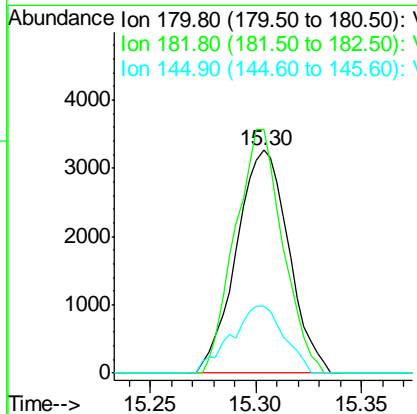
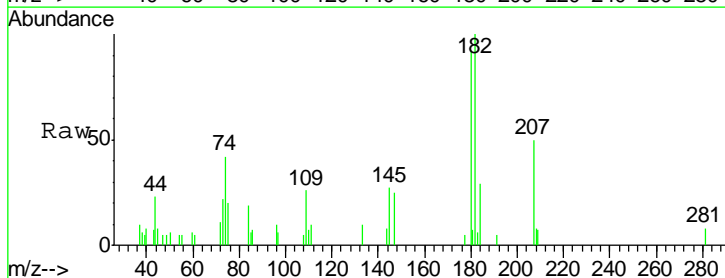
Manual Integrations
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 9/20/2019 1:14:09 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 0.680 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Resp	Lower	Upper
180	5615		
182	99.6	47.4	142.2
145	30.6	16.1	48.2



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058153.D
 Acq On : 18 Sep 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:13 PM

Quant Time: Sep 19 01:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	515274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	870870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	762644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	357482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	36709	3.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.50%	
35) Dibromofluoromethane	7.58	113	26552	3.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.06%	
50) Toluene-d8	10.08	98	107739	3.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.42%	
62) 4-Bromofluorobenzene	12.41	95	37554	3.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	6.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	24706	3.753	ug/l	93
3) Chloromethane	2.04	50	25614	3.840	ug/l	98
4) Vinyl Chloride	2.17	62	25720	3.647	ug/l	98
5) Bromomethane	2.54	94	13715	3.291	ug/l	94
6) Chloroethane	2.68	64	16660	3.688	ug/l	98
7) Trichlorofluoromethane	3.00	101	34694	3.867	ug/l	97
8) Diethyl Ether	3.39	74	14888	3.905	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.74	101	23663	4.128	ug/l #	59
10) Methyl Iodide	3.93	142	17564	2.890	ug/l	97
11) Tert butyl alcohol	4.76	59	20805	17.888	ug/l #	80
12) 1,1-Dichloroethene	3.72	96	20377	3.964	ug/l	97
13) Acrolein	3.59	56	3253	3.699	ug/l #	81
14) Allyl chloride	4.30	41	38402	3.799	ug/l	95
15) Acrylonitrile	4.96	53	56040	17.156	ug/l	97
16) Acetone	3.80	43	61538	19.165	ug/l	98
17) Carbon Disulfide	4.03	76	39133	4.177	ug/l	95
18) Methyl Acetate	4.31	43	31154	3.625	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	81989	3.812	ug/l	97
20) Methylene Chloride	4.53	84	27291	3.910	ug/l	92
21) trans-1,2-Dichloroethene	5.02	96	23197	4.175	ug/l	94
22) Diisopropyl ether	5.93	45	90128	3.803	ug/l #	83
23) Vinyl Acetate	5.87	43	324748	19.445	ug/l	97
24) 1,1-Dichloroethane	5.82	63	50086	3.872	ug/l	98
25) 2-Butanone	6.82	43	83678	17.992	ug/l	100
26) 2,2-Dichloropropane	6.80	77	39968	3.893	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	29676	3.966	ug/l	99
28) Bromochloromethane	7.17	49	21191	3.280	ug/l #	95
29) Tetrahydrofuran	7.19	42	52196	18.211	ug/l	99
30) Chloroform	7.36	83	52548	3.875	ug/l	98
31) Cyclohexane	7.64	56	52812	5.542	ug/l #	76
32) 1,1,1-Trichloroethane	7.55	97	38698	3.600	ug/l	95
36) 1,1-Dichloropropene	7.78	75	35613	3.763	ug/l	98
37) Ethyl Acetate	6.91	43	33213	3.386	ug/l	98
38) Carbon Tetrachloride	7.76	117	32284	3.721	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058153.D
 Acq On : 18 Sep 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Manual Integrations
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 9/20/2019 1:14:13 PM

Quant Time: Sep 19 01:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	40220	4.053	ug/l	97
40) Benzene	8.03	78	107414	3.770	ug/l	100
41) Methacrylonitrile	7.15	41	11487m	2.582	ug/l	
42) 1,2-Dichloroethane	8.11	62	43819	3.833	ug/l	99
43) Isopropyl Acetate	8.16	43	64571	3.913	ug/l #	87
44) Trichloroethene	8.82	130	26713	3.811	ug/l	88
45) 1,2-Dichloropropane	9.11	63	30530	3.668	ug/l	98
46) Dibromomethane	9.20	93	18447	3.672	ug/l	99
47) Bromodichloromethane	9.40	83	34454	3.444	ug/l	99
48) Methyl methacrylate	9.19	41	27322	3.282	ug/l	96
49) 1,4-Dioxane	9.19	88	8970	63.413	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	169691	17.573	ug/l	97
52) Toluene	10.15	92	64713	3.610	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	32305	3.073	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	39325	3.386	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	26895	3.537	ug/l	94
56) Ethyl methacrylate	10.43	69	36958	3.244	ug/l	96
57) 1,3-Dichloropropane	10.71	76	47097	3.593	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	84987	15.992	ug/l	99
59) 2-Hexanone	10.75	43	120039	16.627	ug/l	98
60) Dibromochloromethane	10.90	129	22316	3.165	ug/l	99
61) 1,2-Dibromoethane	11.00	107	25046	3.494	ug/l	100
64) Tetrachloroethene	10.63	164	21636	4.068	ug/l	98
65) Chlorobenzene	11.43	112	73699	3.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	23307	3.568	ug/l	98
67) Ethyl Benzene	11.51	91	127948	3.892	ug/l	98
68) m/p-Xylenes	11.62	106	92101	7.652	ug/l	97
69) o-Xylene	11.95	106	43768	3.669	ug/l	96
70) Styrene	11.97	104	74517	3.630	ug/l	100
71) Bromoform	12.13	173	12925	3.186	ug/l #	99
73) Isopropylbenzene	12.25	105	123000	4.591	ug/l	100
74) N-amyl acetate	12.07	43	44843	3.868	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	37143	4.120	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	34200m	4.409	ug/l	
77) Bromobenzene	12.53	156	28960	4.312	ug/l	98
78) n-propylbenzene	12.60	91	142674	4.644	ug/l	98
79) 2-Chlorotoluene	12.68	91	85991	4.418	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	101953	4.499	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	7016	3.197	ug/l #	81
82) 4-Chlorotoluene	12.78	91	88058	4.405	ug/l	97
83) tert-Butylbenzene	13.00	119	88391	4.390	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	98703	4.298	ug/l	99
85) sec-Butylbenzene	13.18	105	118028	4.428	ug/l	99
86) p-Isopropyltoluene	13.29	119	102308	4.362	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	52542	4.283	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	53390	4.273	ug/l	94
89) n-Butylbenzene	13.62	91	93482	4.206	ug/l	99
90) Hexachloroethane	13.88	117	12758	3.637	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	52063	4.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	6020	4.026	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058153.D
 Acq On : 18 Sep 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Manual Integrations
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MMDadoda
 9/20/2019 1:14:13 PM

Quant Time: Sep 19 01:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	30441	3.749	ug/l	99
94) Hexachlorobutadiene	15.01	225	16027	4.603	ug/l	96
95) Naphthalene	15.13	128	76294	3.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	28756	3.621	ug/l	98

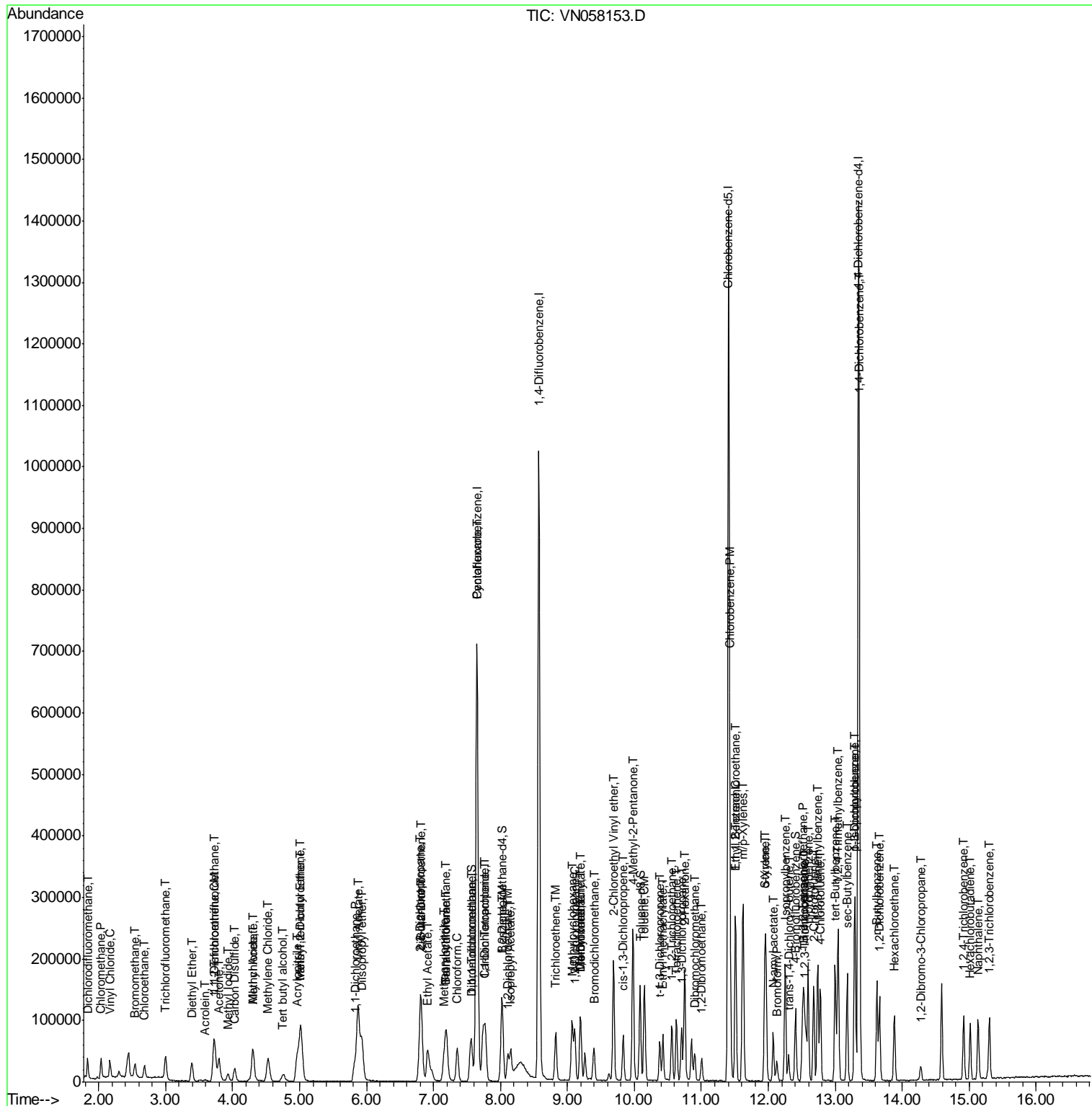
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058153.D
 Acq On : 18 Sep 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

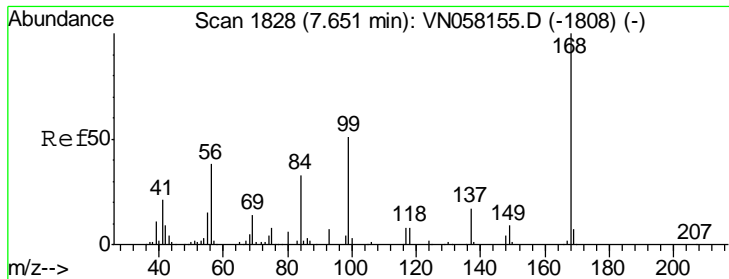
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC005

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Quant Time: Sep 19 01:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration



- 1
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- 17
- 18



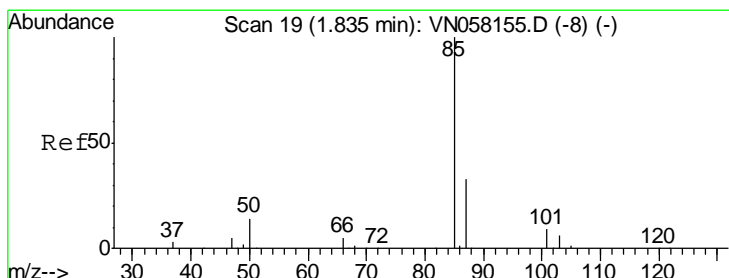
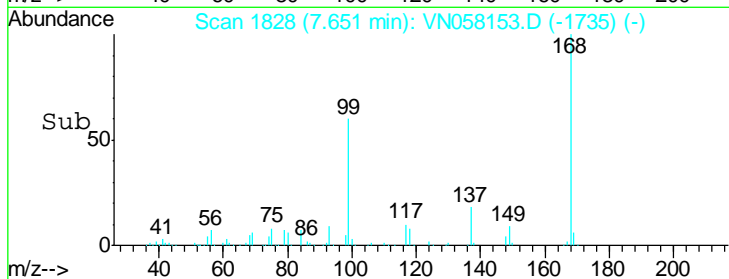
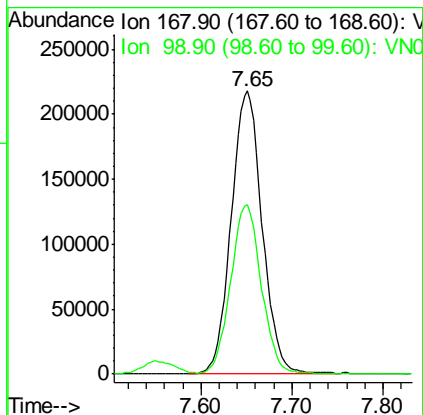
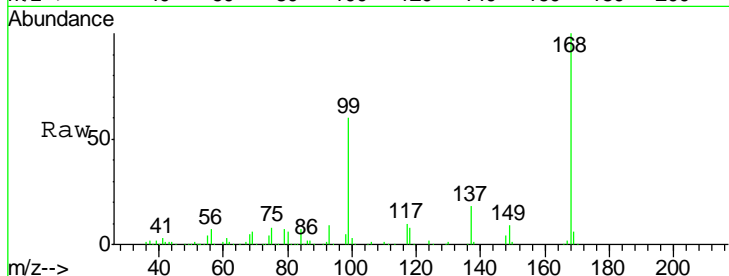
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
168	100		
99	59.5	47.4	71.2

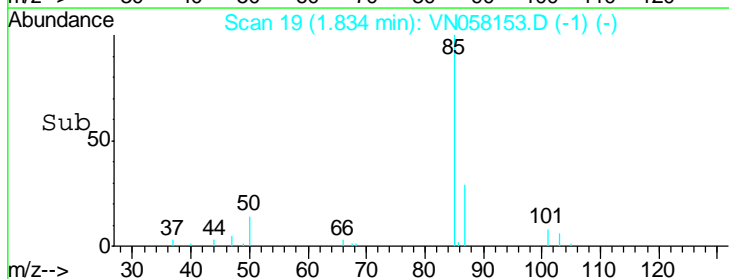
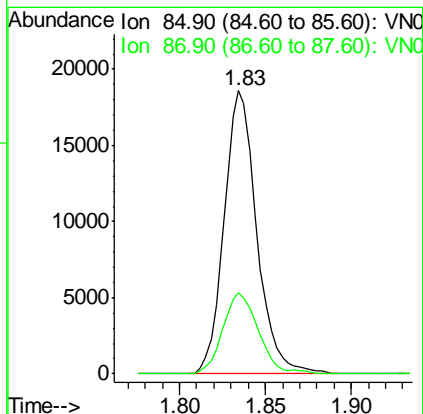
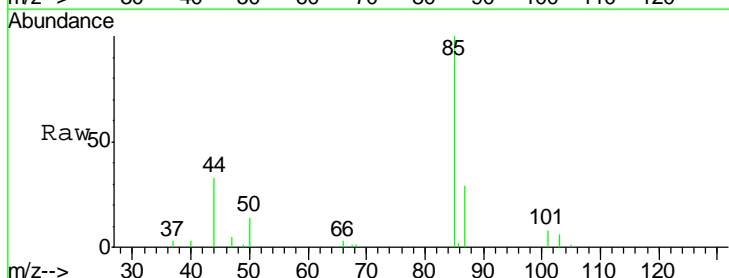
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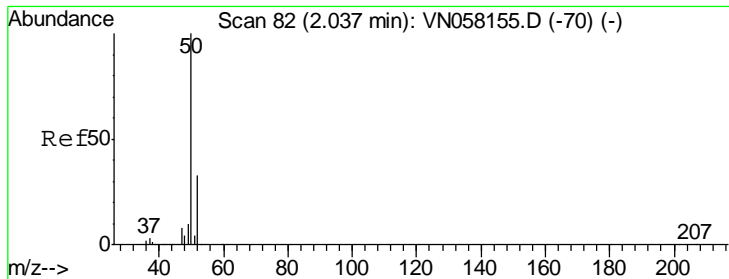
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 9/20/2019 1:14:13 PM



#2
 Dichlorodifluoromethane
 Concen: 3.753 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
85	100		
87	28.5	16.3	48.9



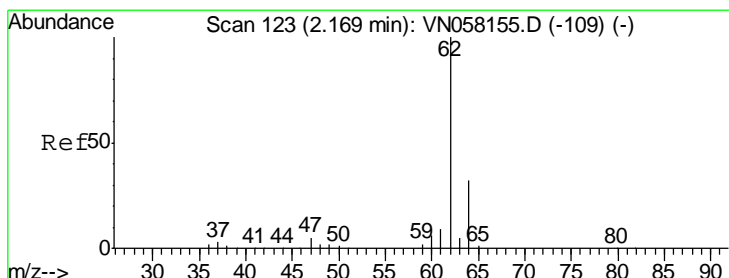
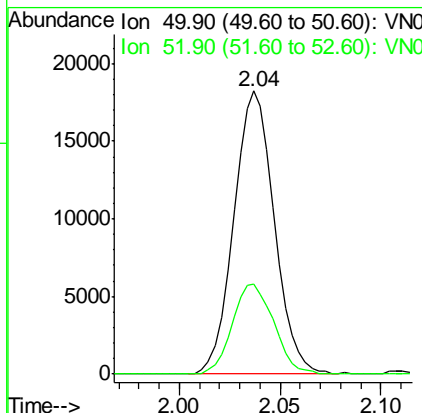
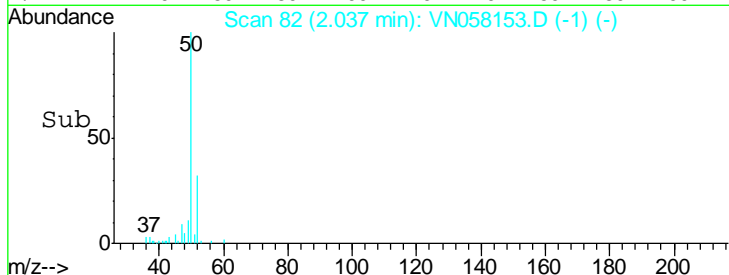
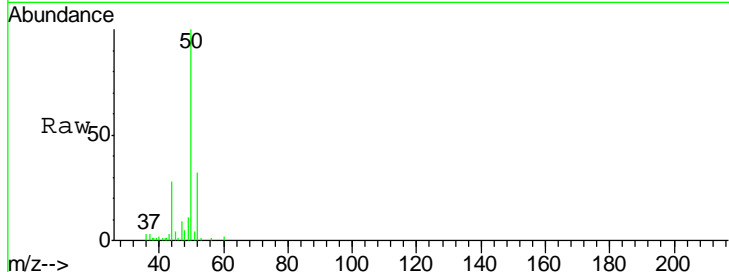


#3
 Chloromethane
 Concen: 3.840 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
50	100		
52	31.7	26.3	39.5

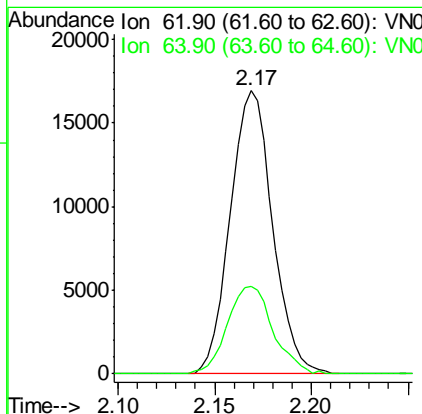
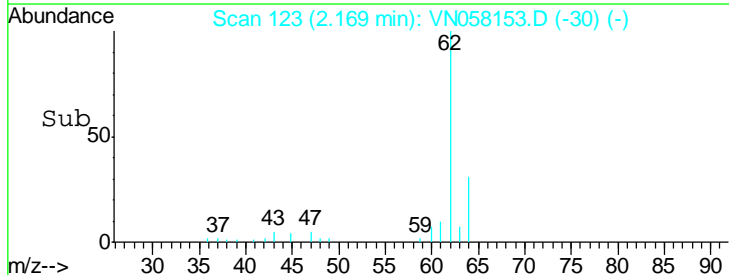
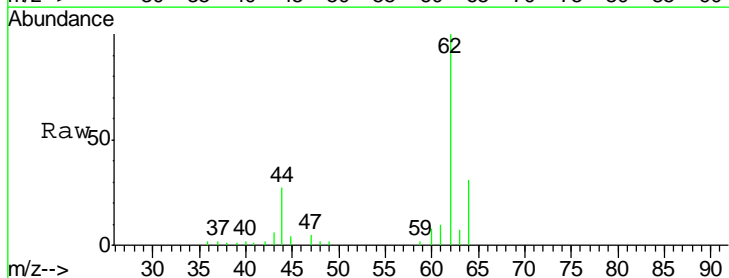
Instrument : MSVOA_N
 ClientSampled : VSTDIC005

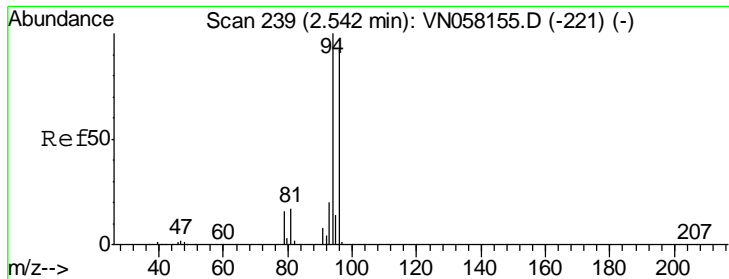
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#4
 Vinyl Chloride
 Concen: 3.647 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
62	100		
64	30.9	25.4	38.2





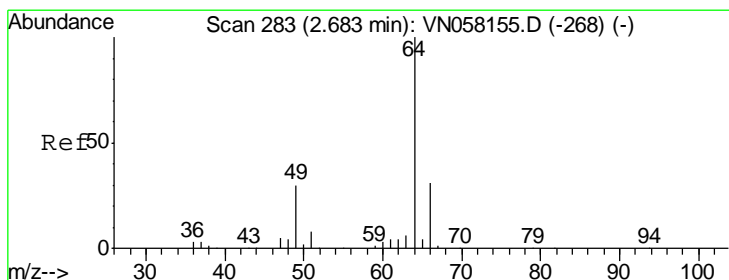
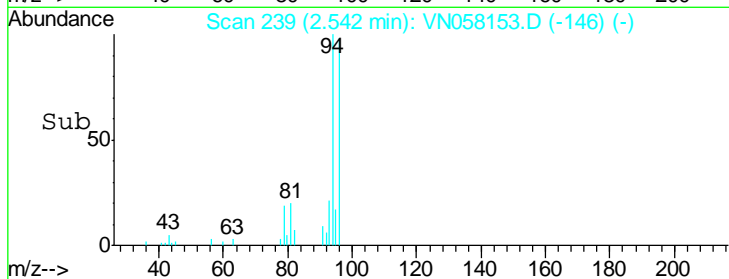
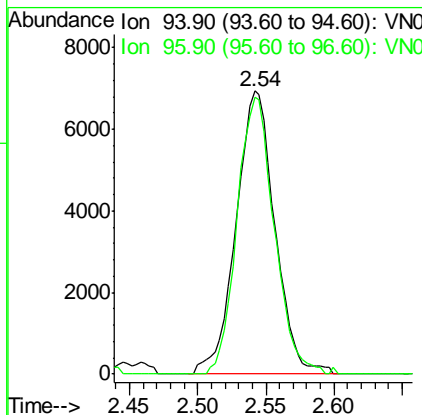
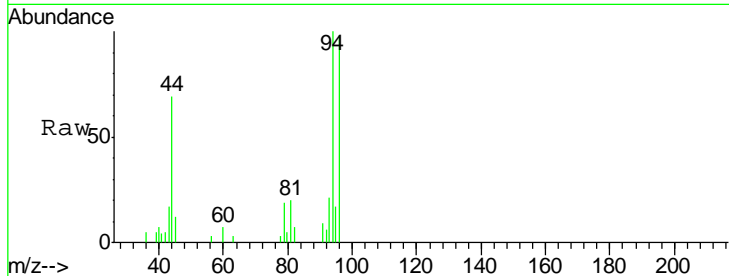
#5
 Bromomethane
 Concen: 3.291 ug/l
 RT: 2.54 min Scan# 239
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
94	13715		
94	100		
96	97.8	73.3	109.9

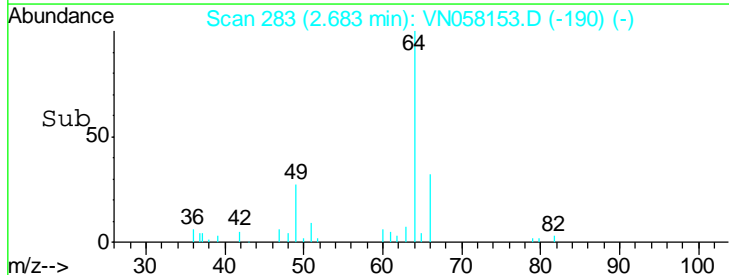
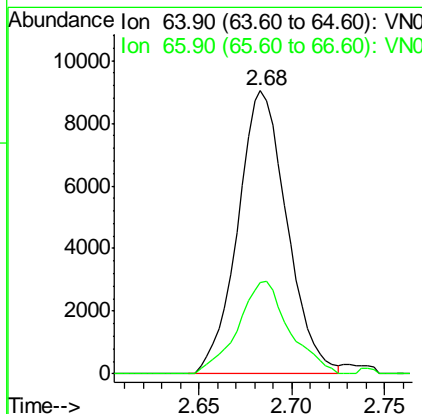
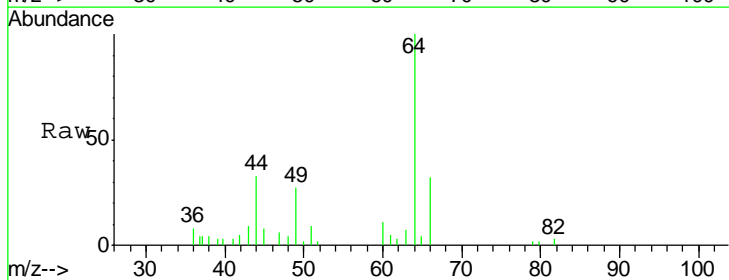
Manual Integrations
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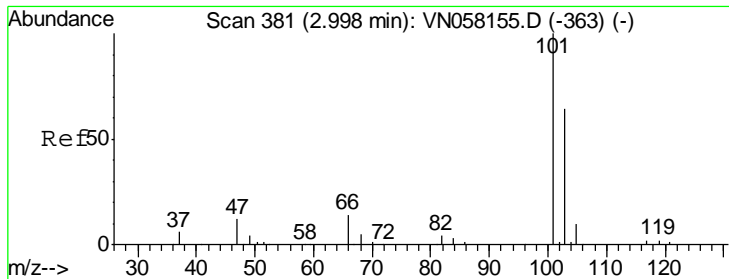
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#6
 Chloroethane
 Concen: 3.688 ug/l
 RT: 2.68 min Scan# 283
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
64	16660		
64	100		
66	32.1	24.6	37.0





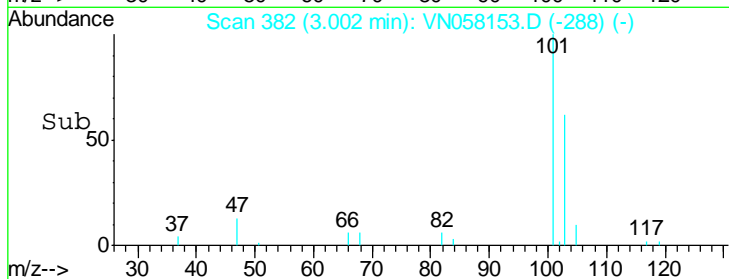
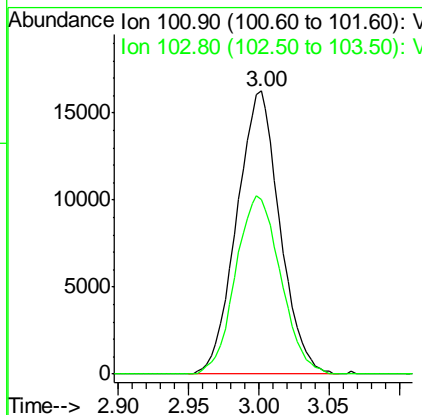
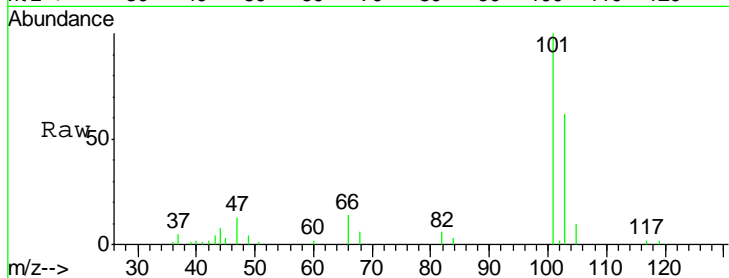
#7
 Trichlorofluoromethane
 Concen: 3.867 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	34694		
103	61.7	51.0	76.6

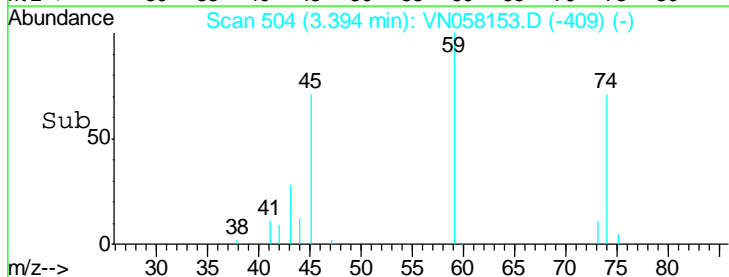
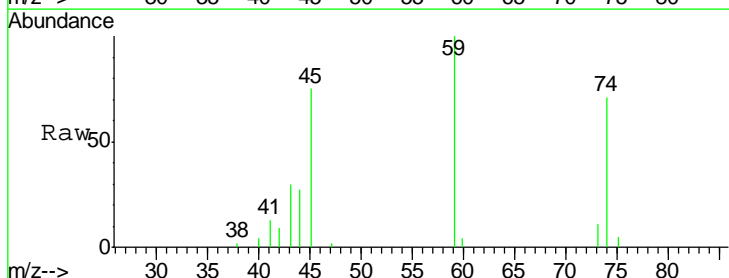
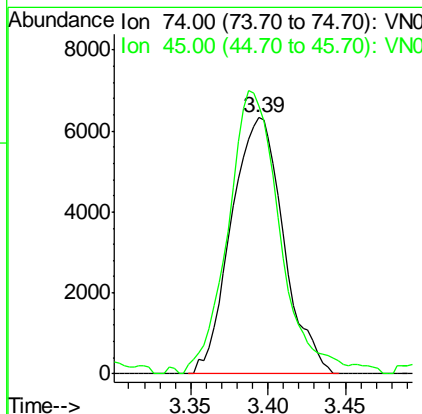
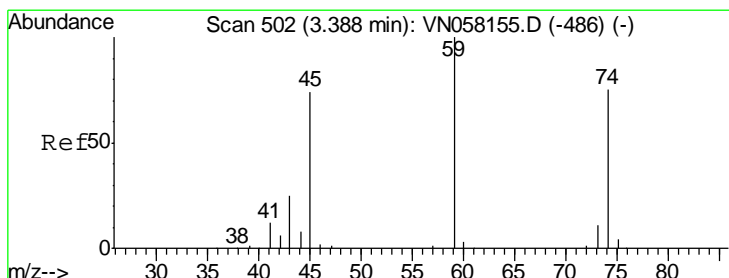
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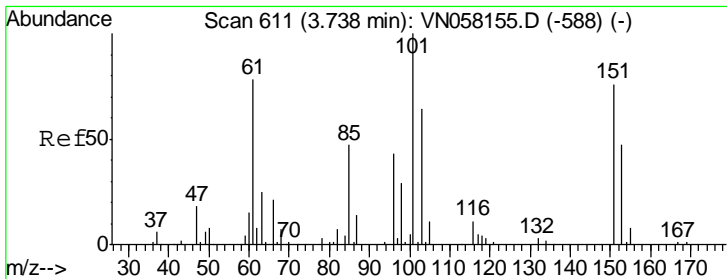
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#8
 Diethyl Ether
 Concen: 3.905 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

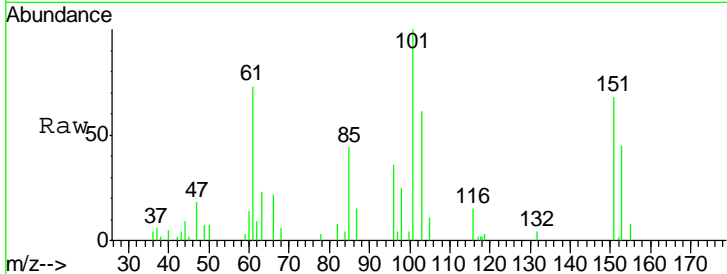
Tgt Ion	Resp	Lower	Upper
74	14888		
45	108.7	48.5	145.5





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.128 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

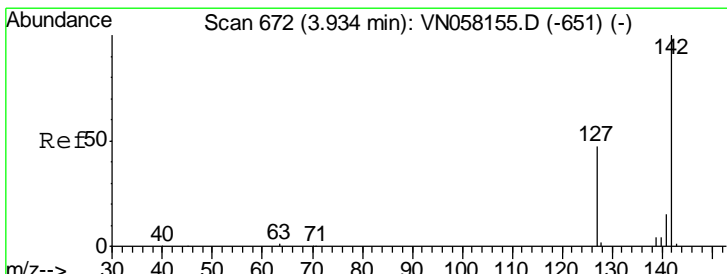
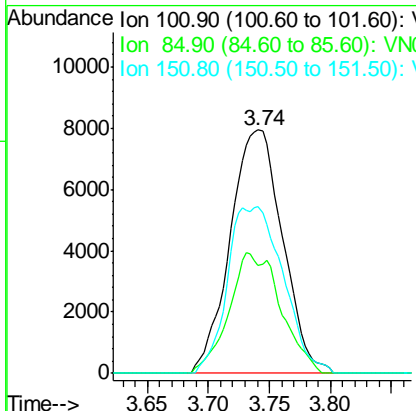
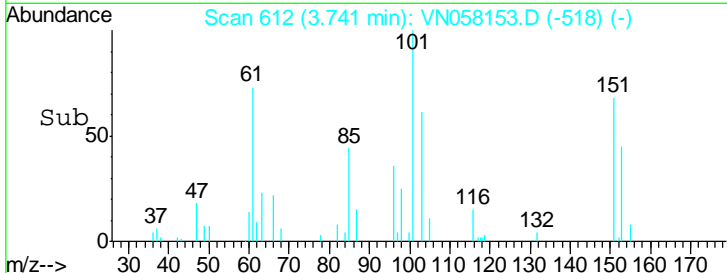


Tgt Ion: 101 Resp: 23663

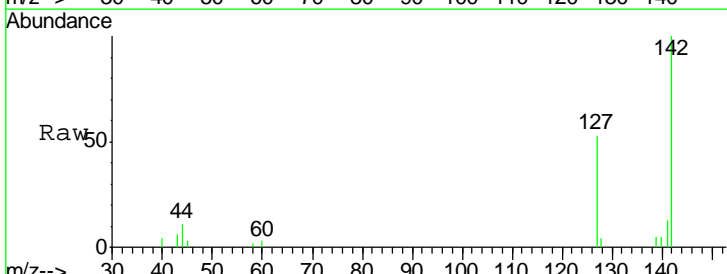
Ion	Ratio	Lower	Upper
101	100		
85	28.0	37.3	55.9#
151	32.5	59.6	89.4#

Manual Integrations
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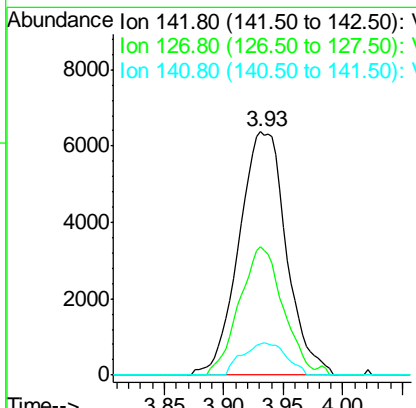
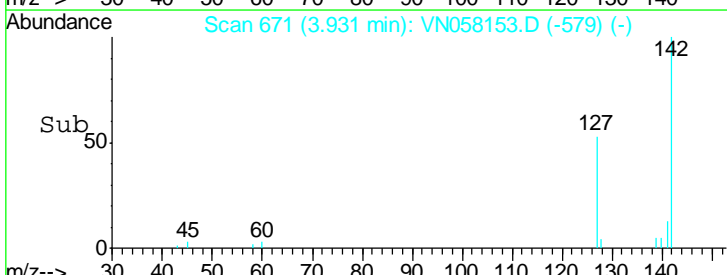


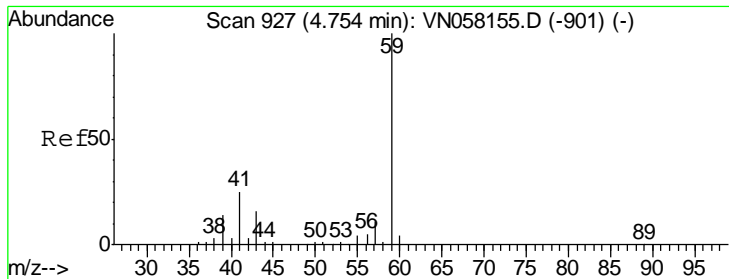
#10
 Methyl Iodide
 Concen: 2.890 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43



Tgt Ion: 142 Resp: 17564

Ion	Ratio	Lower	Upper
142	100		
127	48.5	37.5	56.3
141	12.3	11.4	17.2





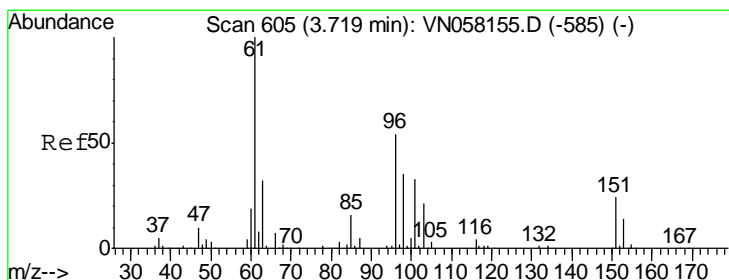
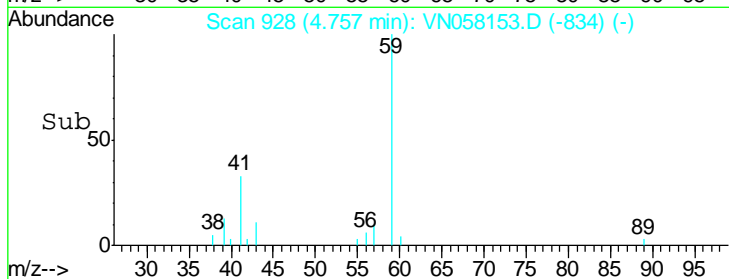
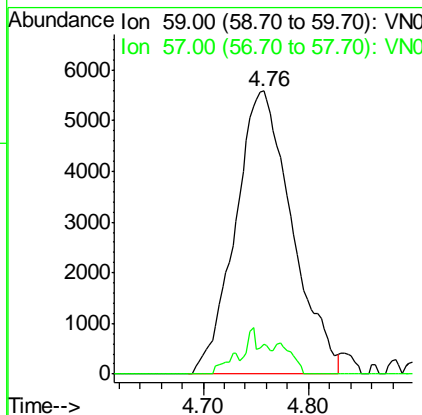
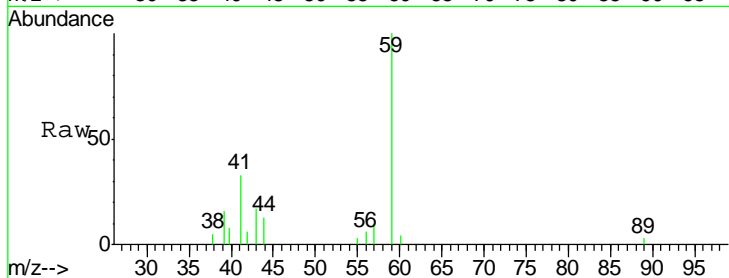
#11
 Tert butyl alcohol
 Concen: 17.888 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
59	20805	100	
57	3.2	8.6	13.0#

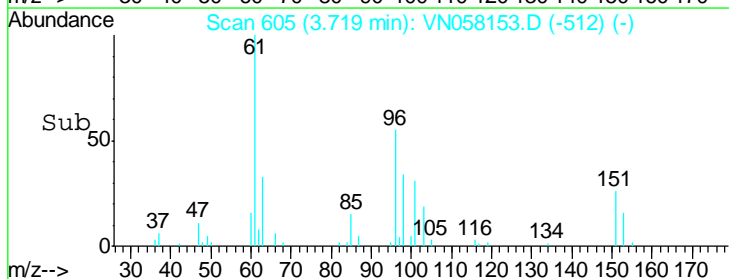
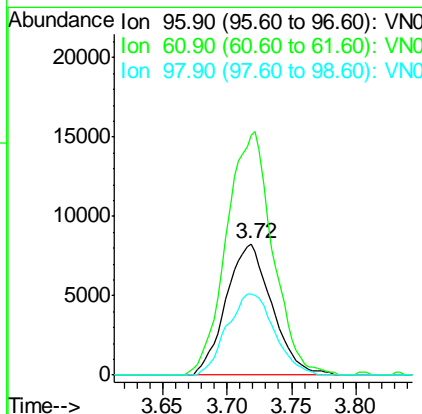
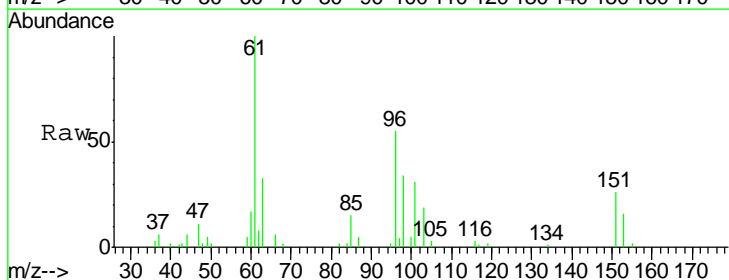
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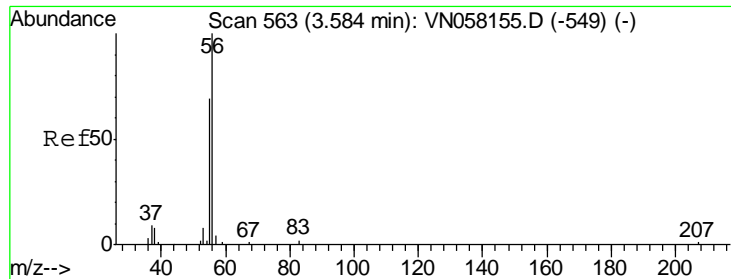
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#12
 1,1-Dichloroethene
 Concen: 3.964 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
96	20377	100	
61	183.1	149.5	224.3
98	62.2	52.4	78.6





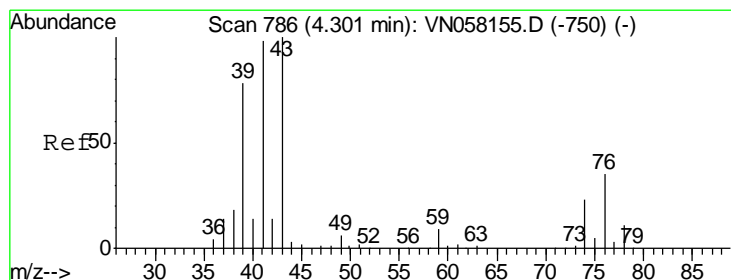
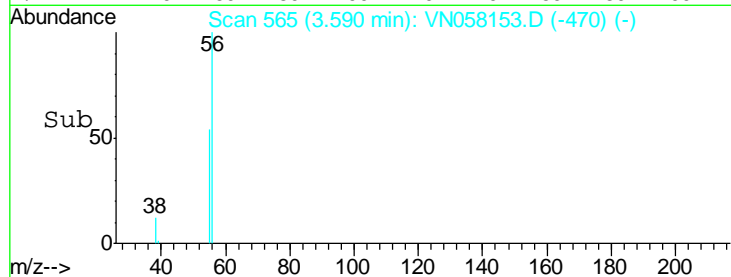
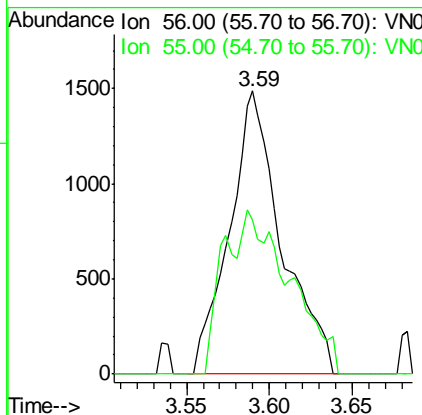
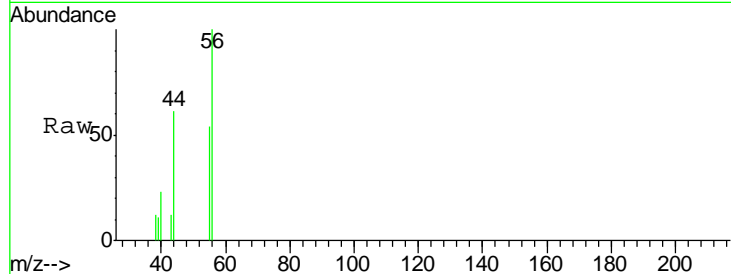
#13
 Acrolein
 Concen: 3.699 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	100		
55	54.2	56.1	84.1#

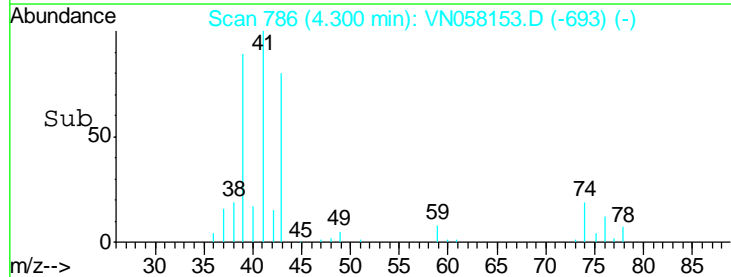
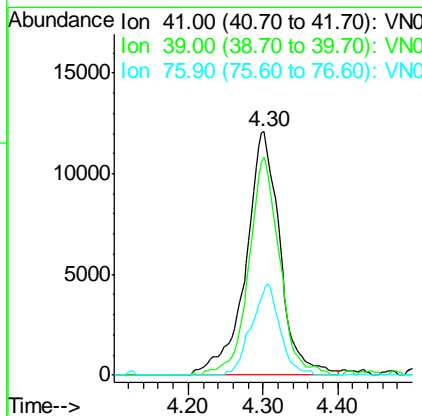
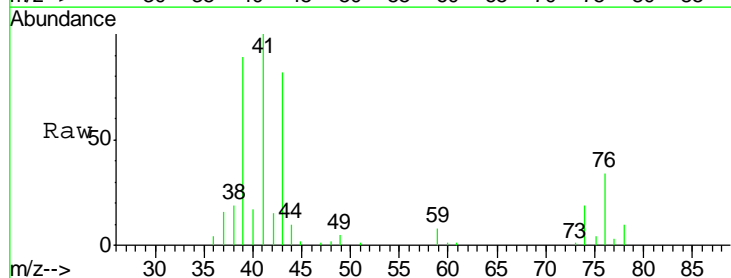
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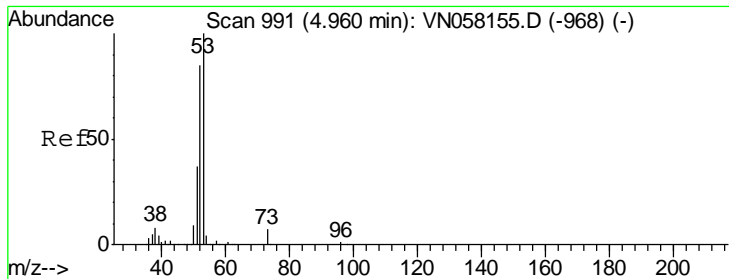
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#14
 Allyl chloride
 Concen: 3.799 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
41	100		
39	79.5	59.1	88.7
76	30.9	25.1	37.7





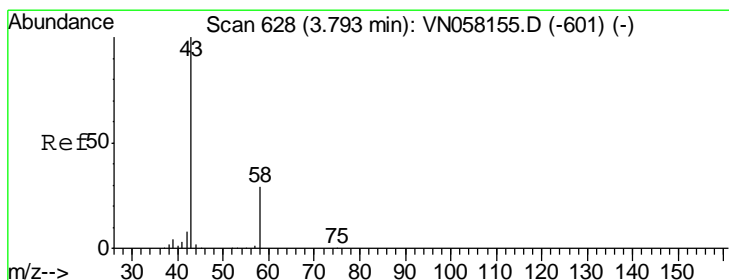
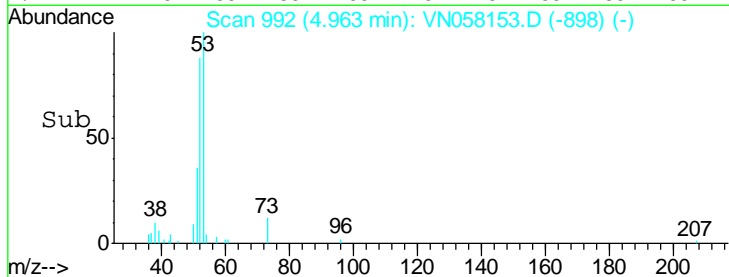
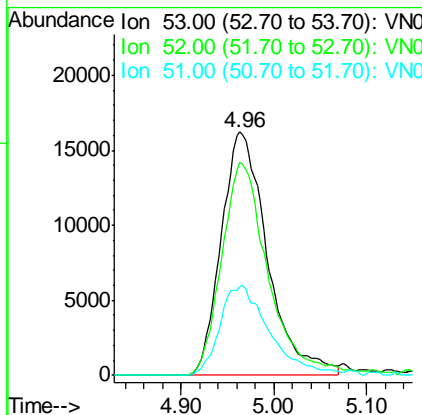
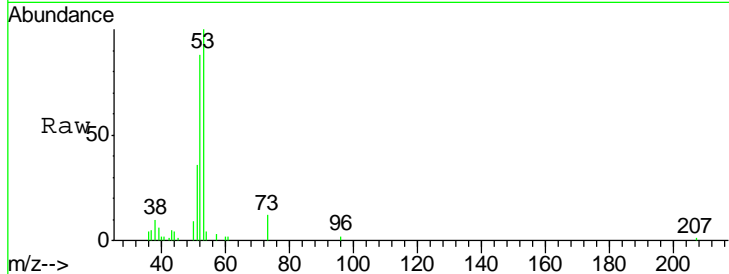
#15
 Acrylonitrile
 Concen: 17.156 ug/l
 RT: 4.96 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
53	100		
52	86.1	66.6	100.0
51	39.4	29.7	44.5

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

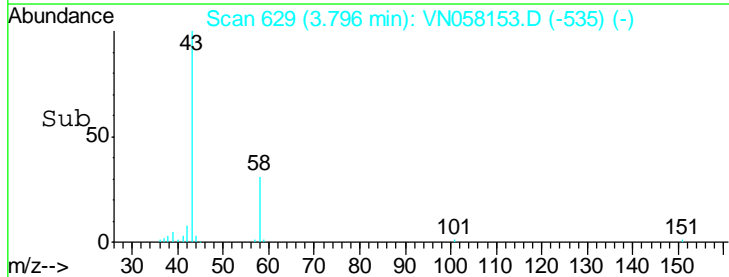
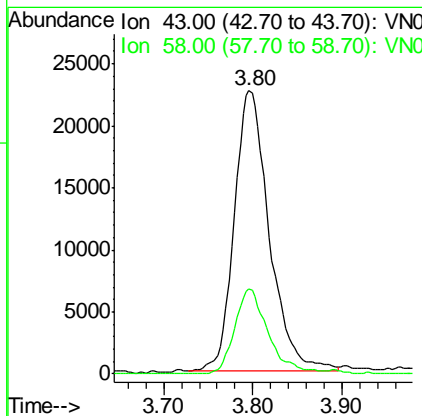
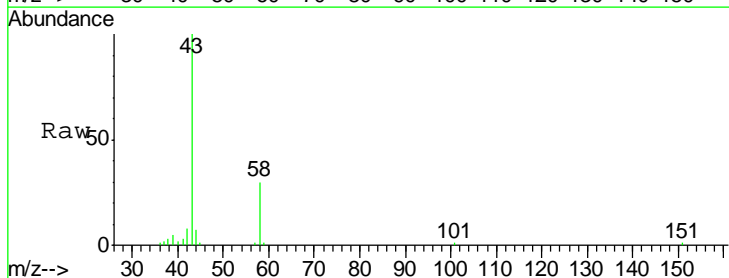
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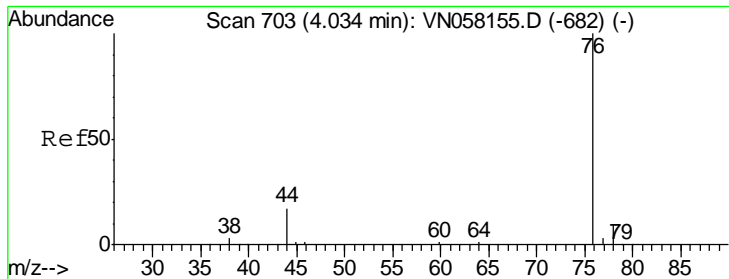
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#16
 Acetone
 Concen: 19.165 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.4	23.4	35.2





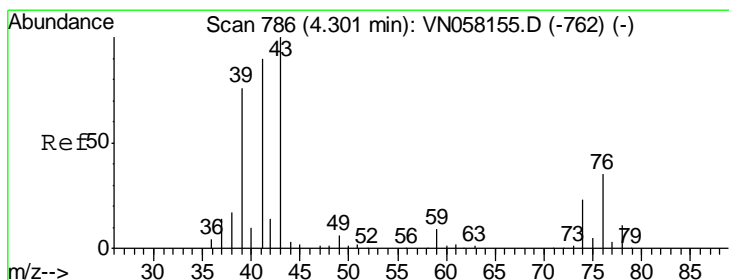
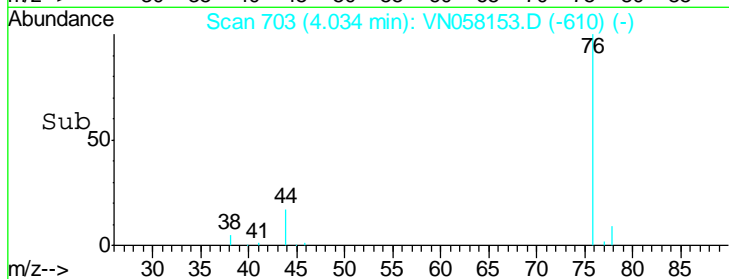
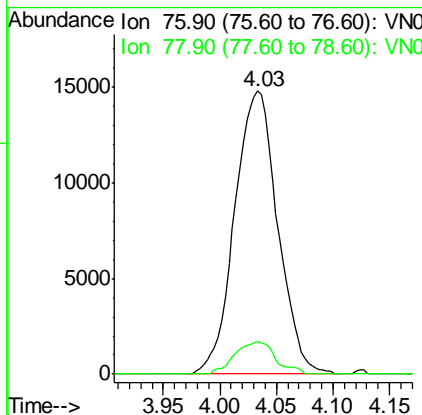
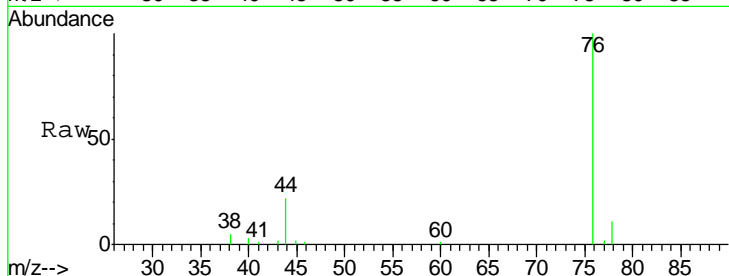
#17
 Carbon Disulfide
 Concen: 4.177 ug/l
 RT: 4.03 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
76	39133		
76	100		
78	11.3	7.7	11.5

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

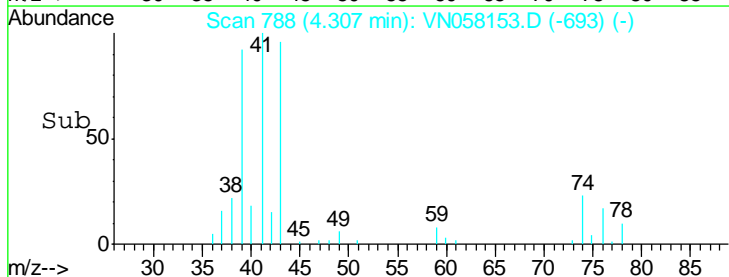
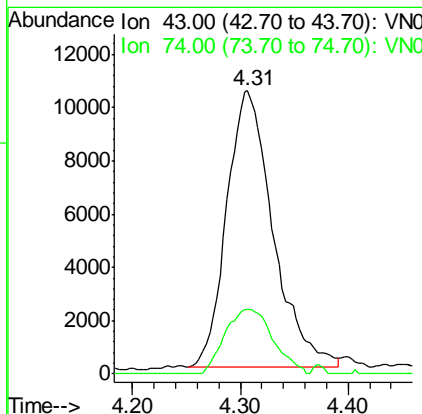
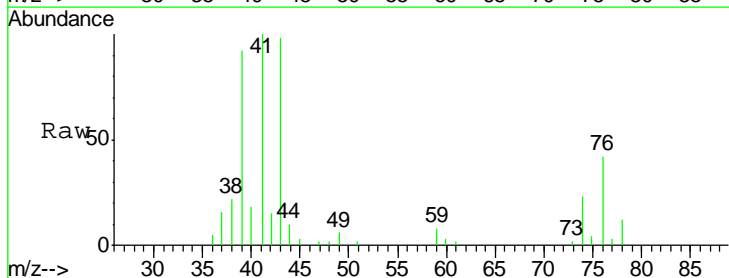
Manual Integrations
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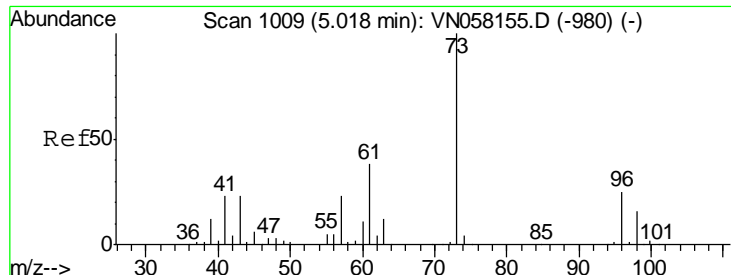
MMDadoda
 9/20/2019 1:14:13 PM



#18
 Methyl Acetate
 Concen: 3.625 ug/l
 RT: 4.31 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
43	31154		
43	100		
74	24.1	18.0	27.0





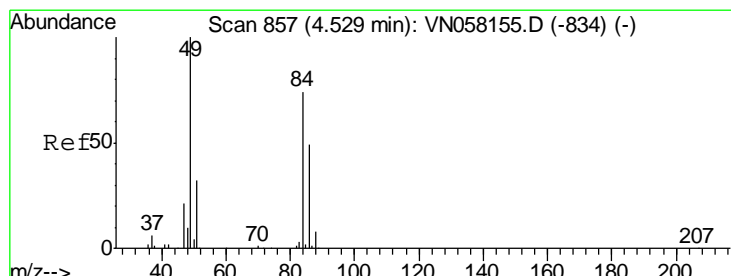
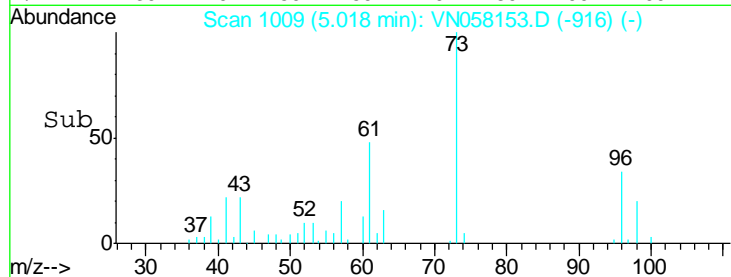
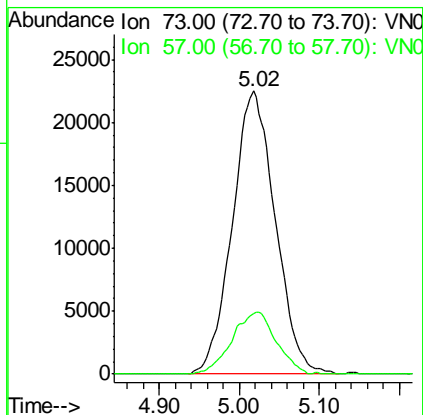
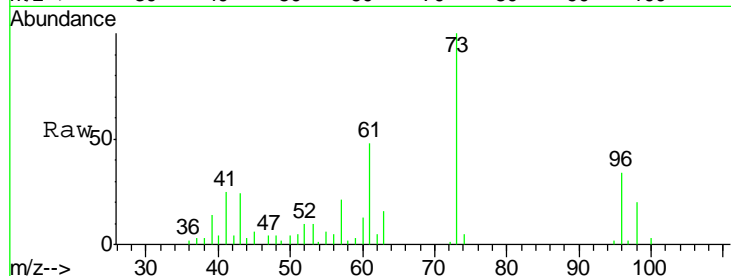
#19
 Methyl tert-butyl Ether
 Concen: 3.812 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
73	81989		
73	100		
57	21.3	18.1	27.1

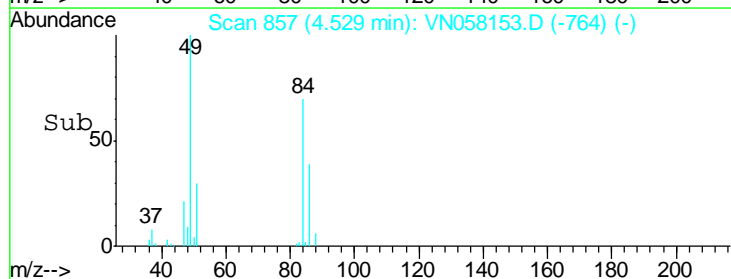
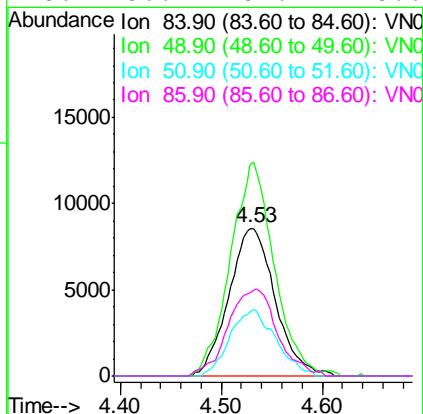
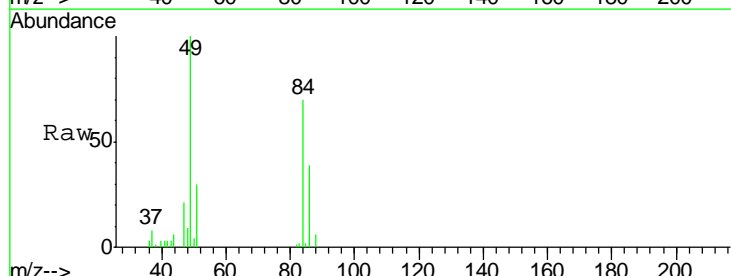
Manual Integrations
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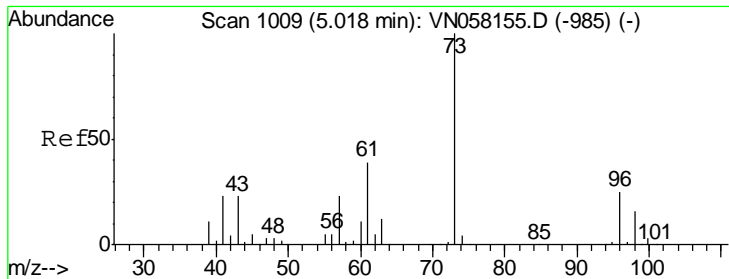
MMDadoda
 9/20/2019 1:14:13 PM



#20
 Methylene Chloride
 Concen: 3.910 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
84	27291		
84	100		
49	143.6	107.5	161.3
51	43.2	33.9	50.9
86	56.7	52.4	78.6





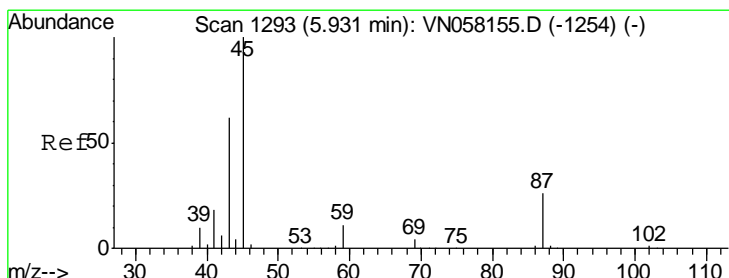
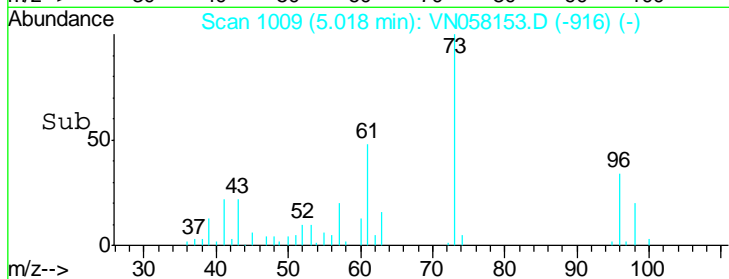
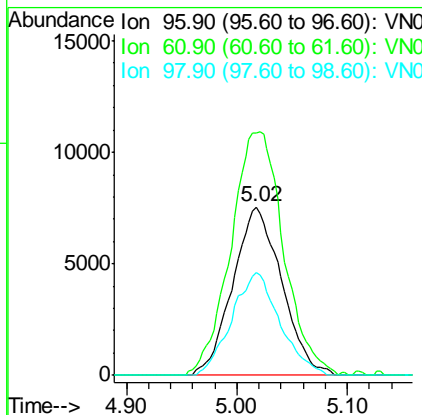
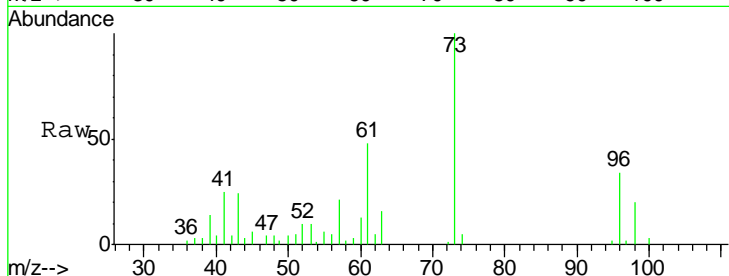
#21
 trans-1,2-Dichloroethene
 Concen: 4.175 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	23197		
96	100		
61	143.5	122.2	183.4
98	60.7	49.9	74.9

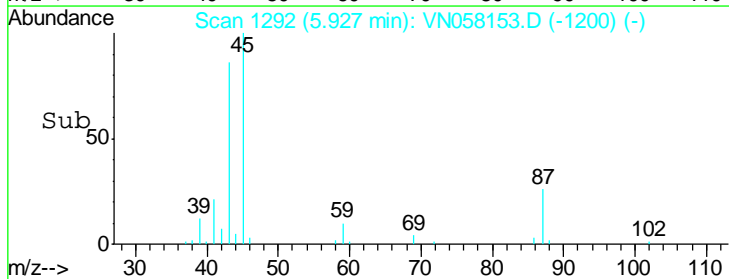
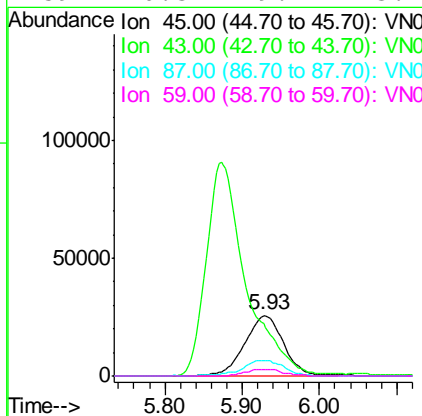
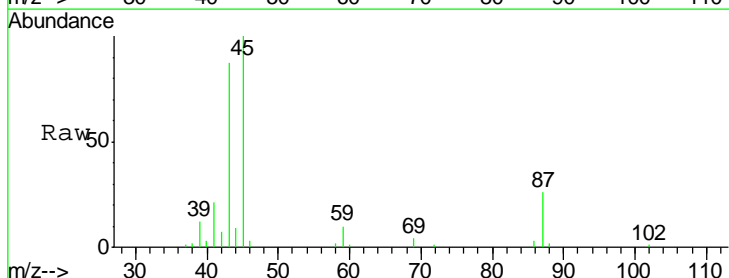
Manual Integrations
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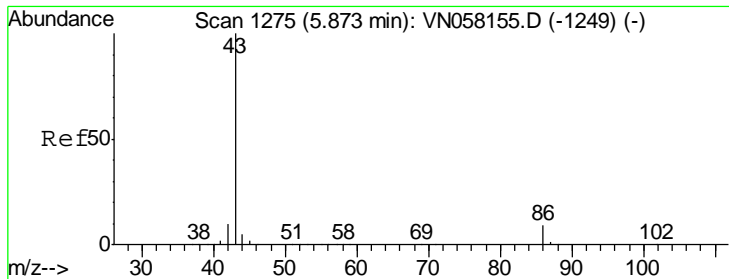
MMDadoda
 9/20/2019 1:14:13 PM



#22
 Diisopropyl ether
 Concen: 3.803 ug/l
 RT: 5.93 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
45	90128		
45	100		
43	82.1	49.7	74.5#
87	25.8	20.7	31.1
59	10.3	9.1	13.7





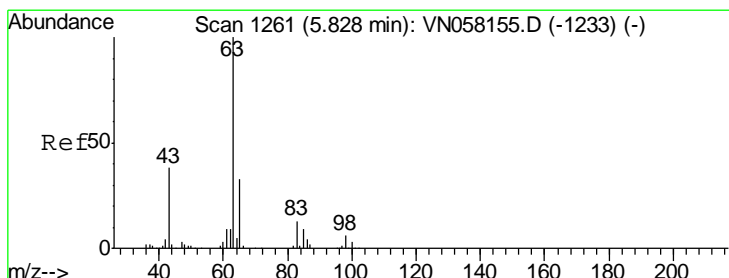
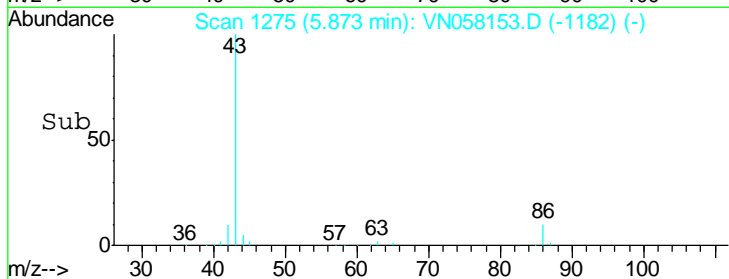
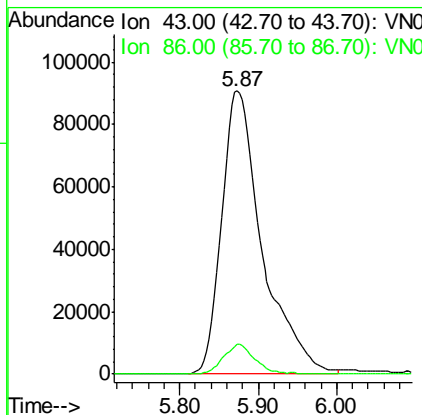
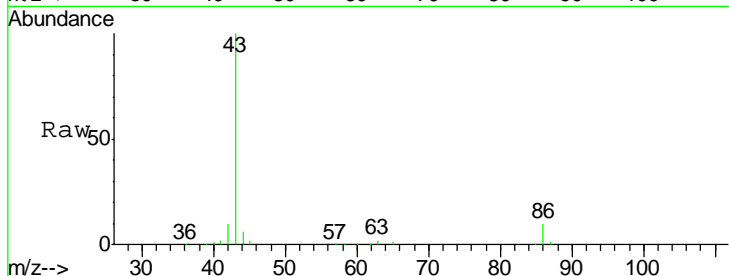
#23
 Vinyl Acetate
 Concen: 19.445 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.4	7.4	11.2

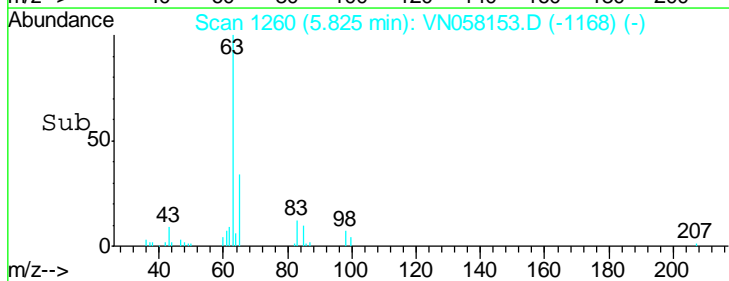
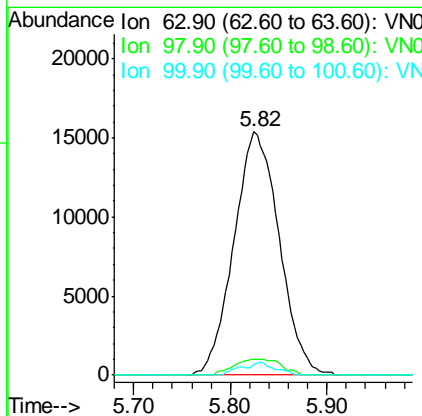
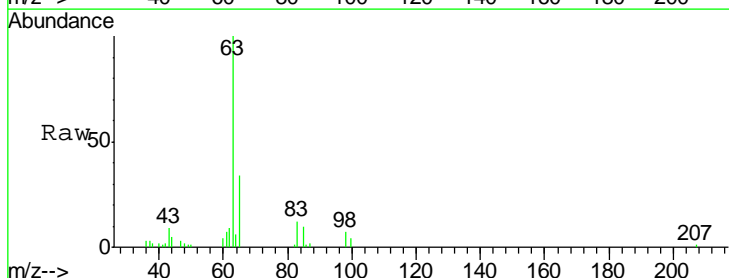
Manual Integrations
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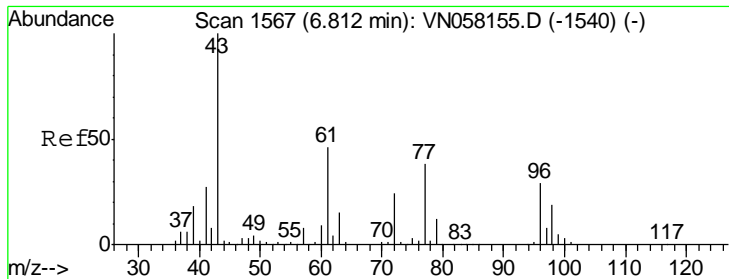
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 3.872 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.6	2.9	8.6
100	4.2	1.8	5.3





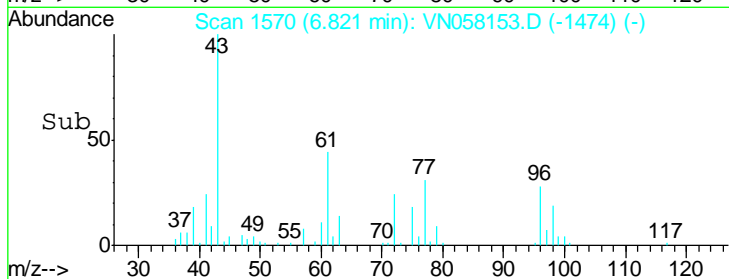
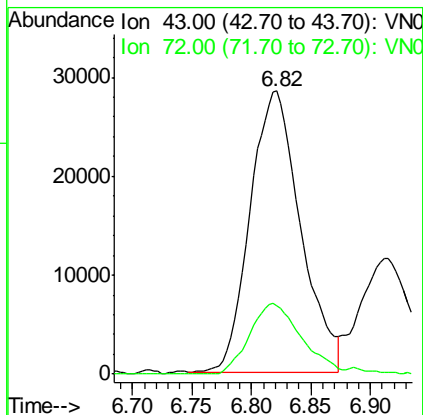
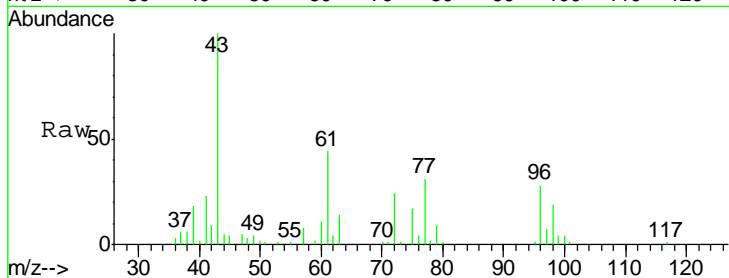
#25
 2-Butanone
 Concen: 17.992 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
72	24.4	19.5	29.3

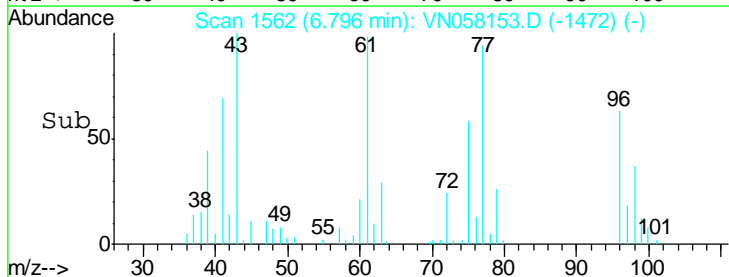
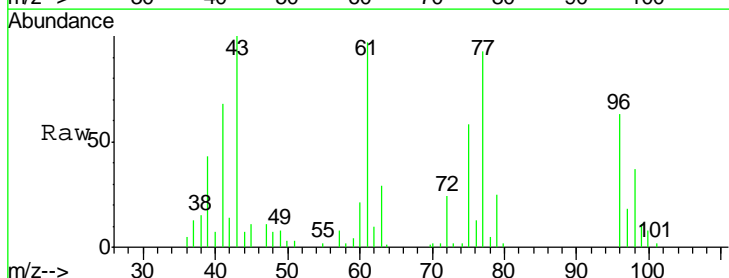
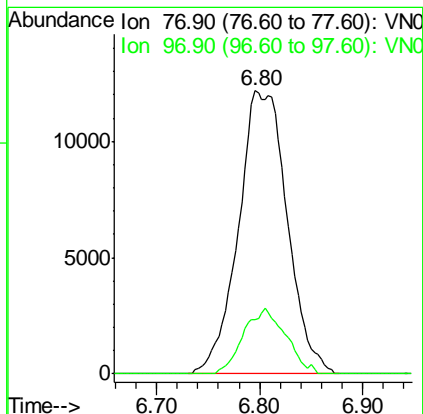
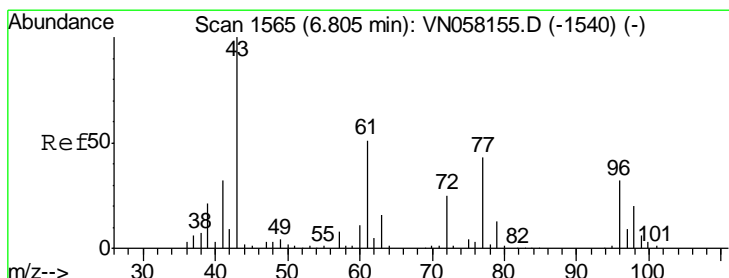
Manual Integrations
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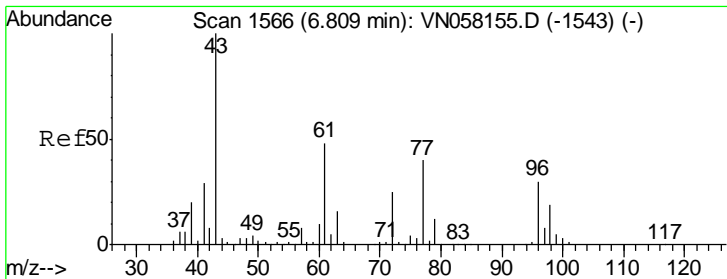
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#26
 2,2-Dichloropropane
 Concen: 3.893 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
77	100		
97	20.2	10.5	31.6





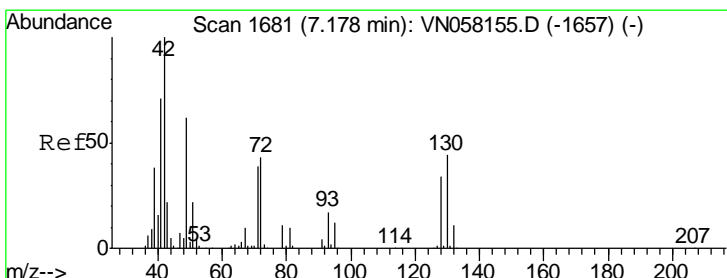
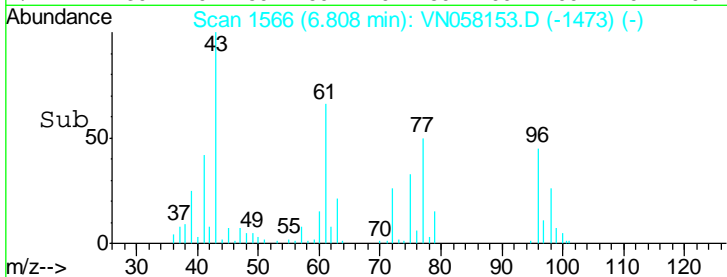
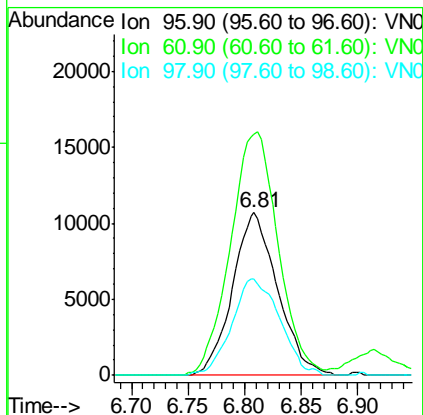
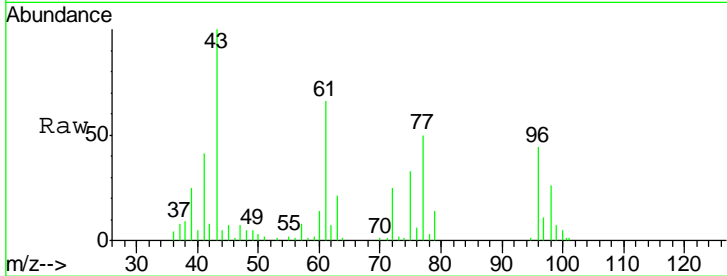
#27
 cis-1,2-Dichloroethene
 Concen: 3.966 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	29676		
96	100		
61	158.0	0.0	319.0
98	63.2	0.0	126.6

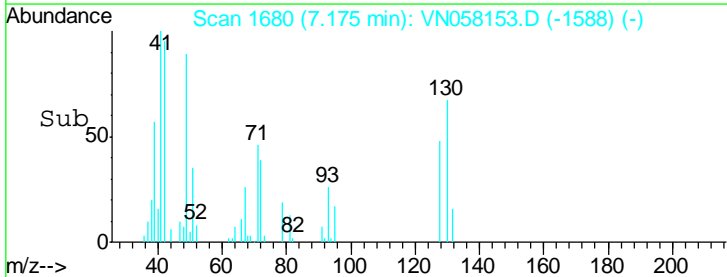
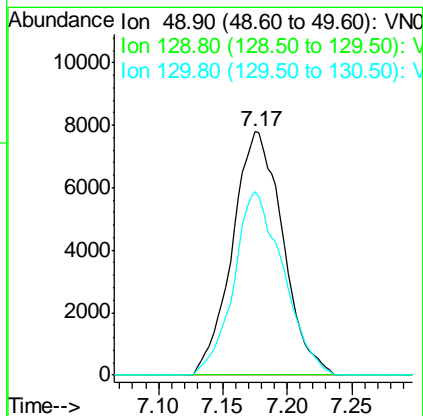
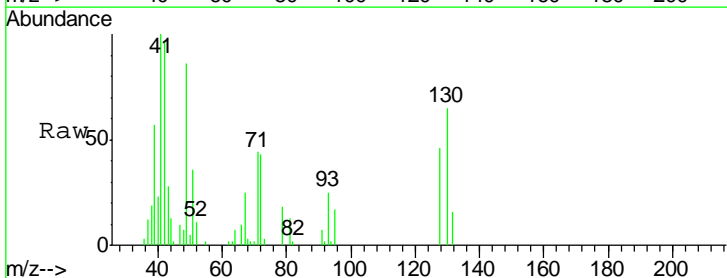
Manual Integrations
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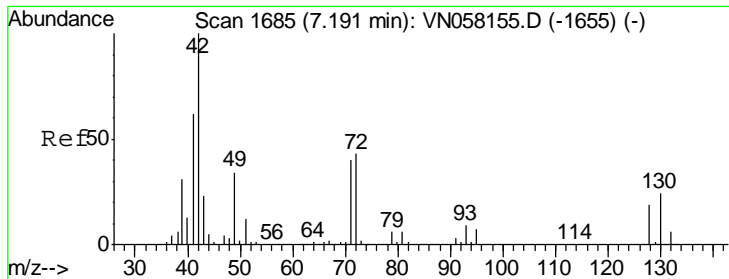
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#28
 Bromochloromethane
 Concen: 3.280 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
49	21191		
49	100		
129	0.0	0.0	1.8
130	73.8	55.4	83.2





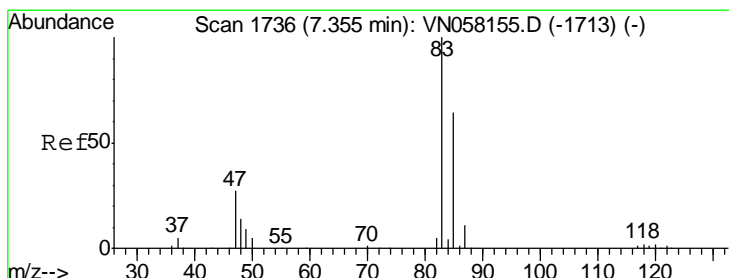
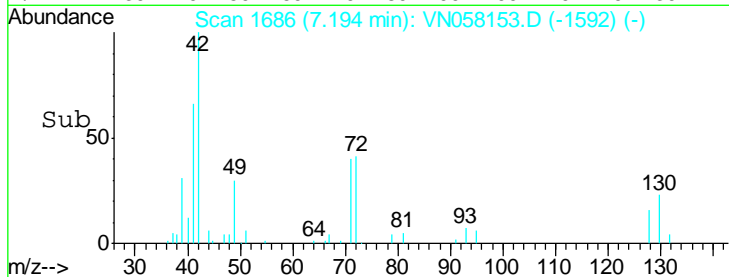
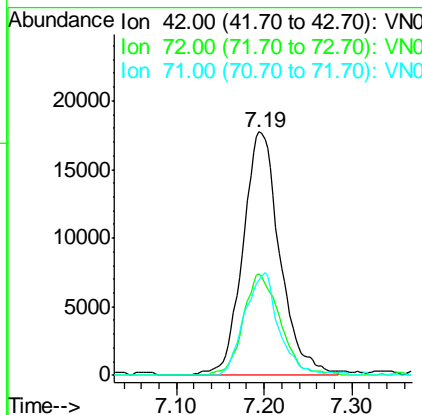
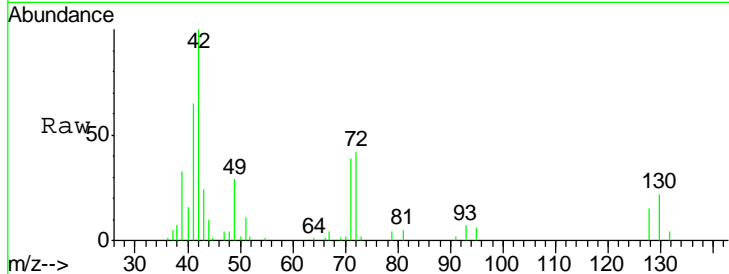
#29
 Tetrahydrofuran
 Concen: 18.211 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
42	52196		
42	100		
72	41.6	33.8	50.6
71	38.6	31.4	47.0

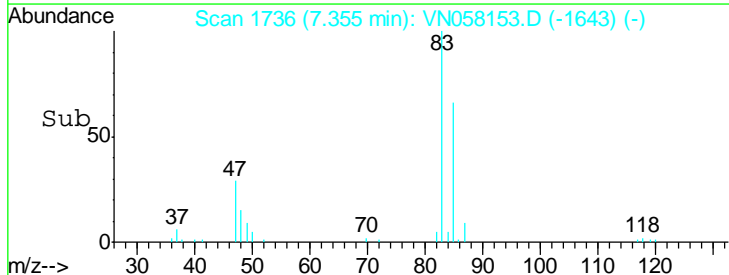
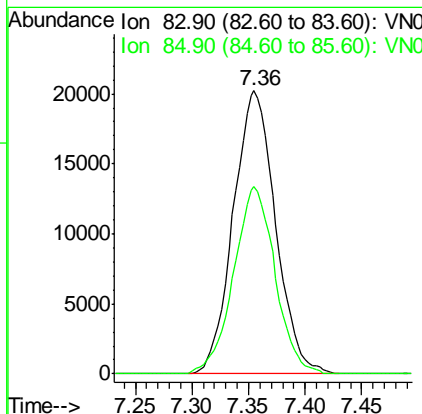
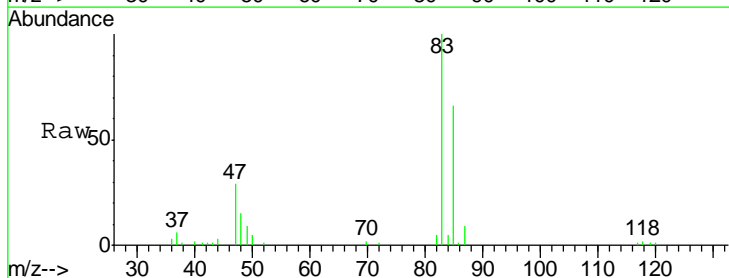
Manual Integrations
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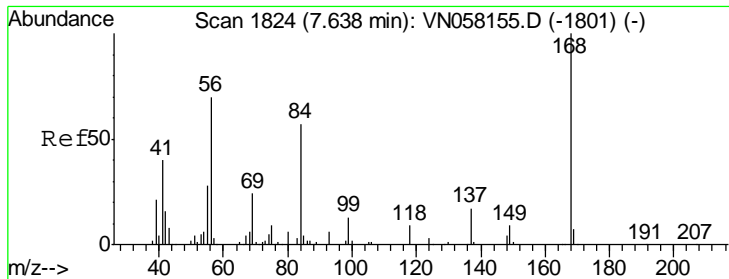
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#30
 Chloroform
 Concen: 3.875 ug/l
 RT: 7.36 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
83	52548		
83	100		
85	66.3	51.4	77.2





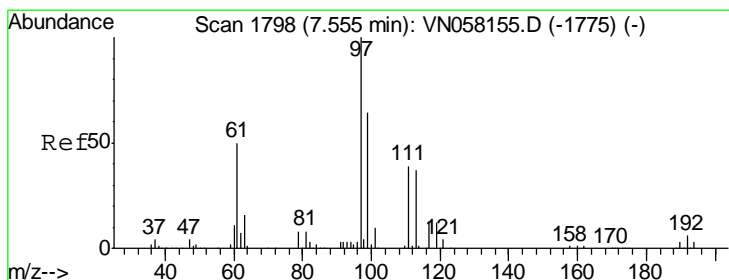
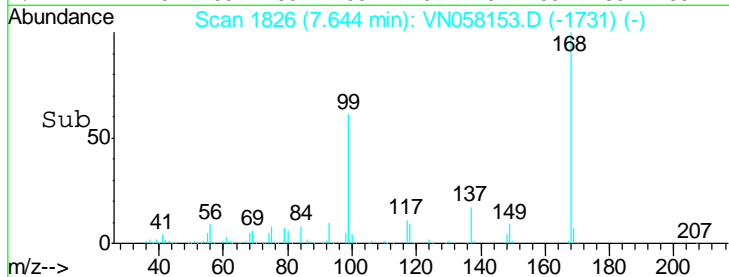
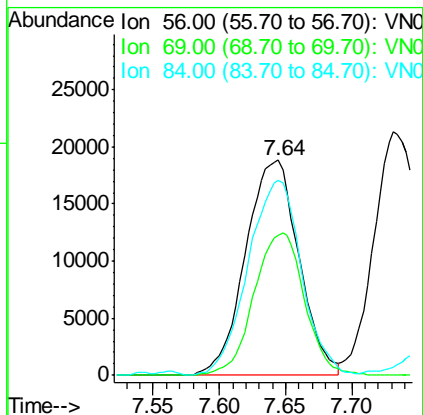
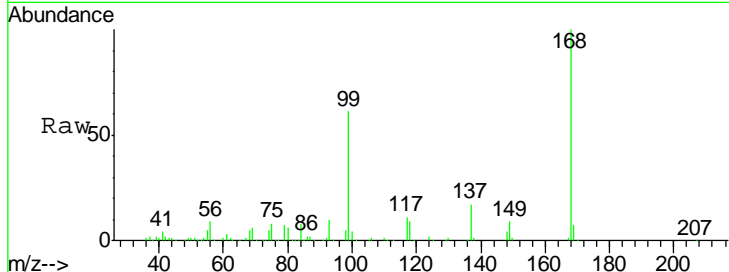
#31
 Cyclohexane
 Concen: 5.542 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	52812		
56	100		
69	65.3	27.3	40.9#
84	90.9	65.0	97.4

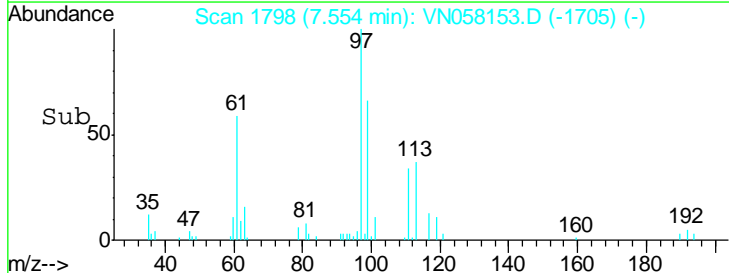
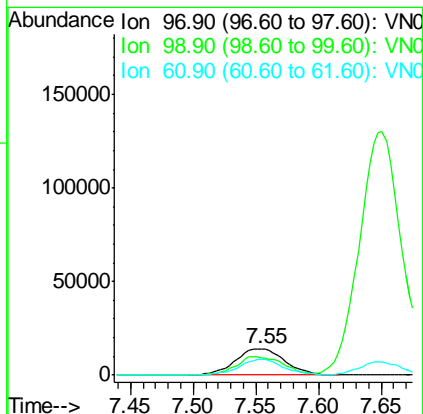
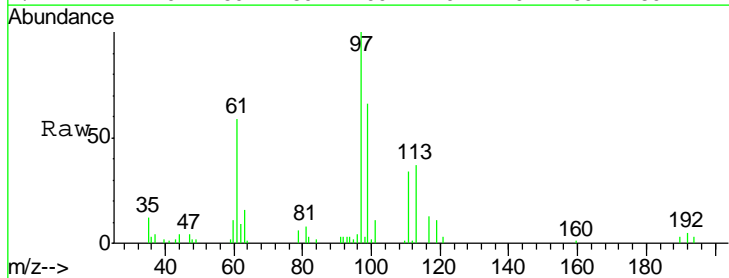
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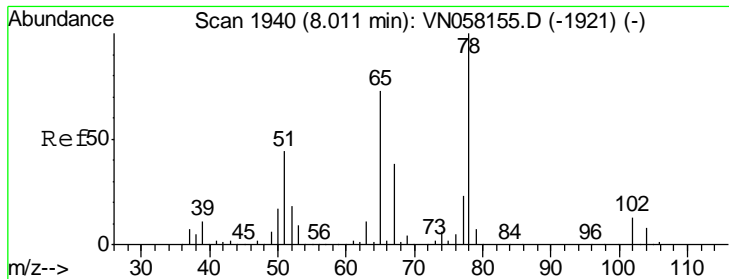
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#32
 1,1,1-Trichloroethane
 Concen: 3.600 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
97	38698		
97	100		
99	67.3	50.9	76.3
61	53.0	39.2	58.8





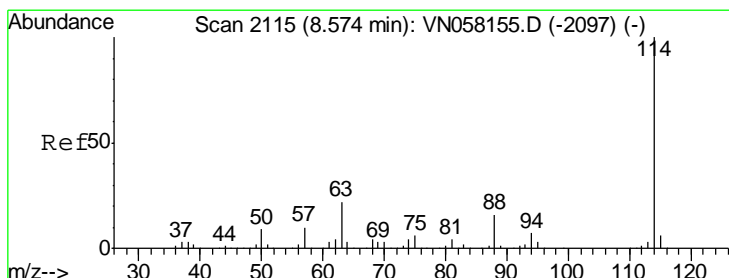
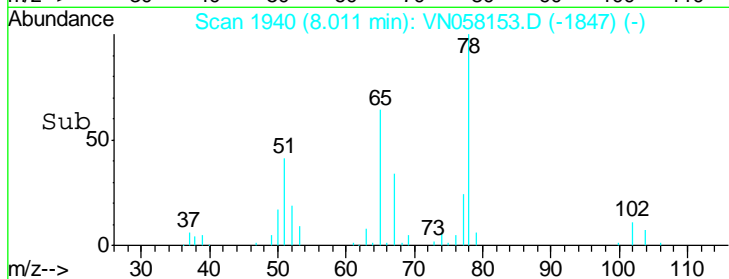
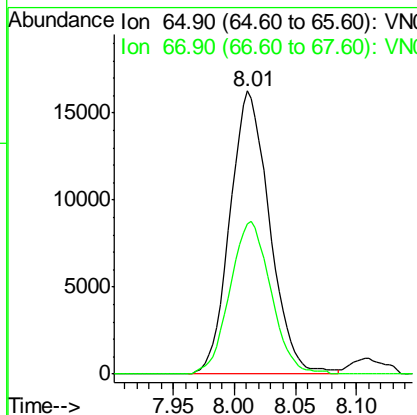
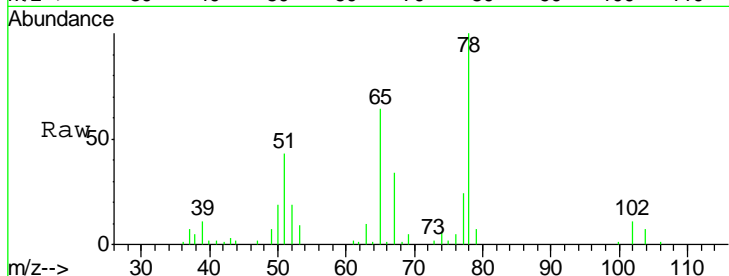
#33
 1,2-Dichloroethane-d4
 Concen: 3.754 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.9	0.0	103.4

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

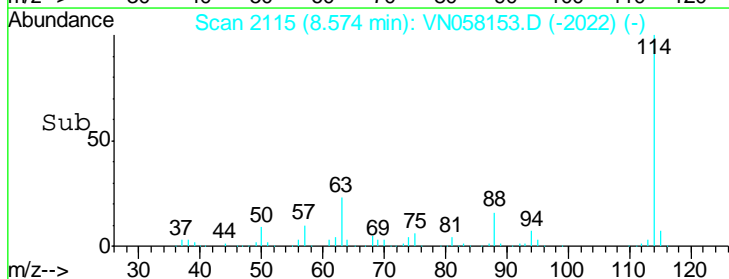
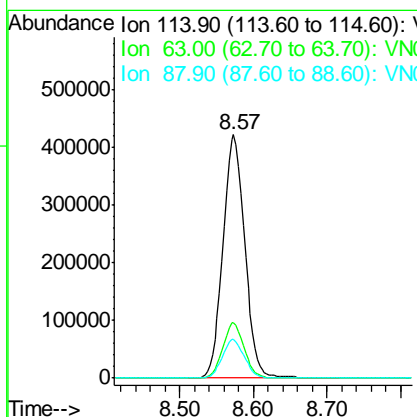
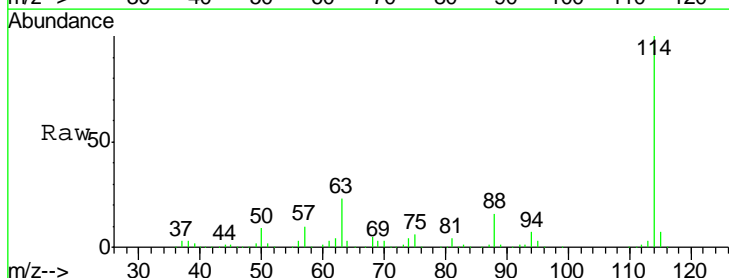
Manual Integrations
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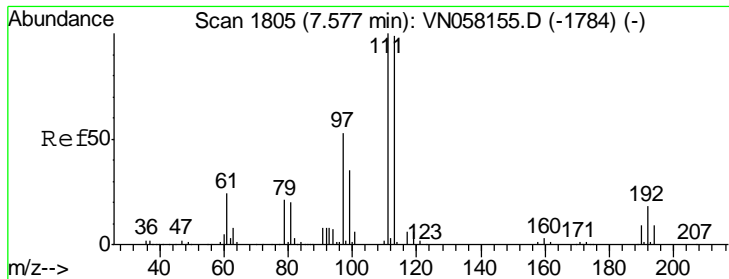
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
114	100		
63	22.9	0.0	44.2
88	15.7	0.0	31.6





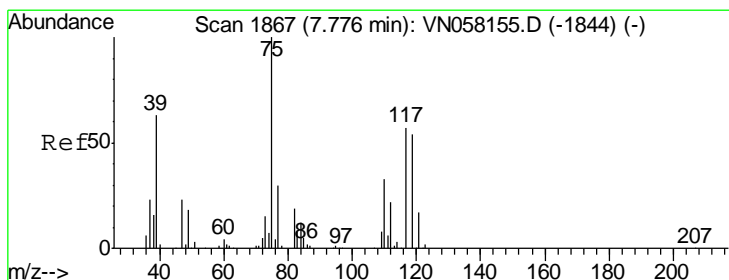
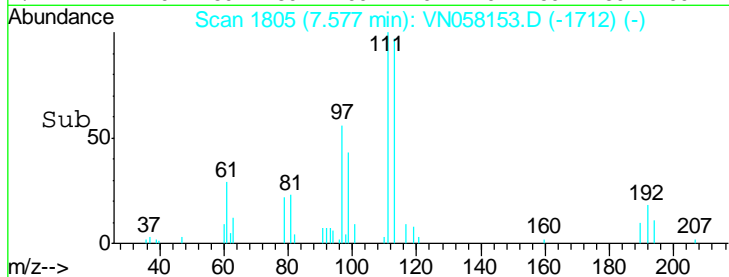
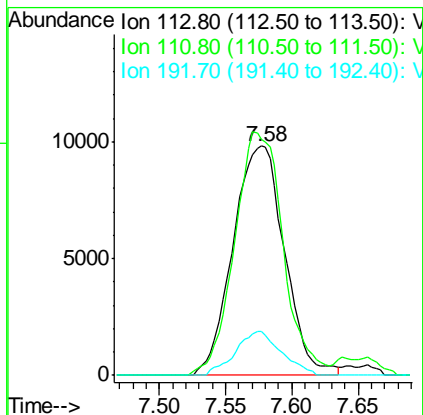
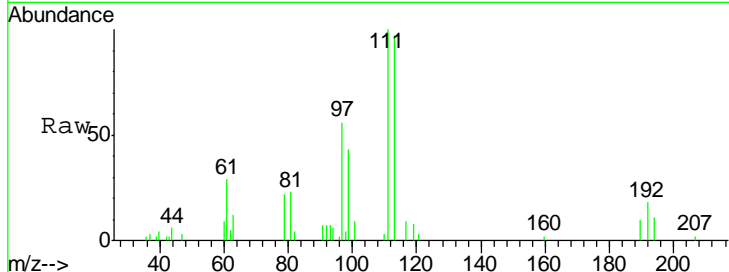
#35
 Dibromofluoromethane
 Concen: 3.531 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
113	26552		
113	100		
111	100.0	81.8	122.6
192	17.0	14.5	21.7

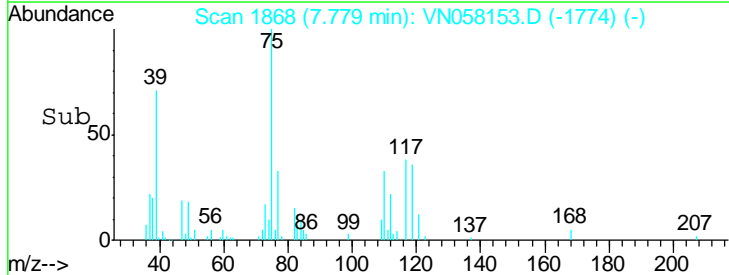
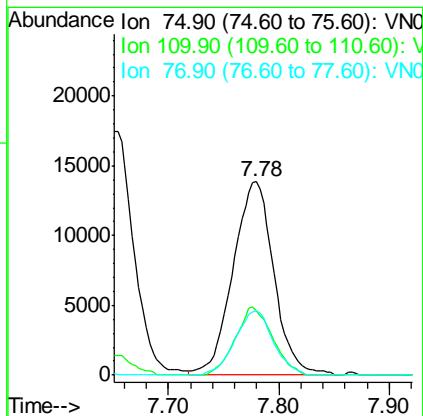
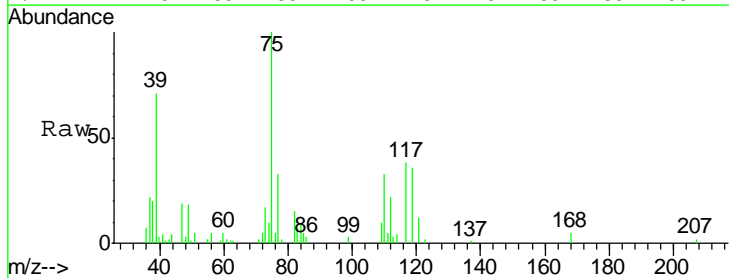
Manual Integrations
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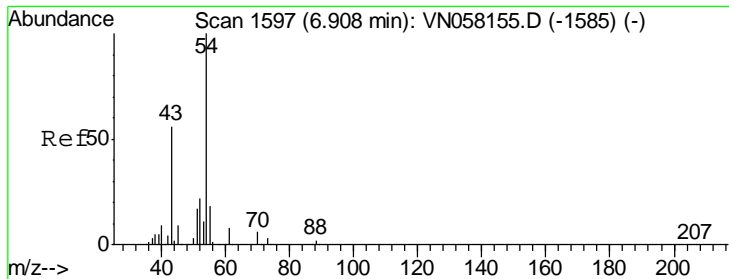
MMDadoda
 9/20/2019 1:14:13 PM



#36
 1,1-Dichloropropene
 Concen: 3.763 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
75	35613		
75	100		
110	31.8	16.6	49.7
77	31.1	24.3	36.5





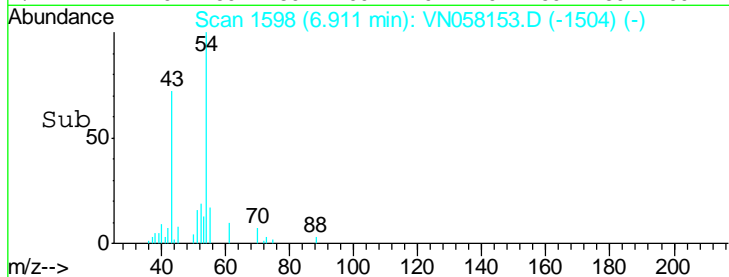
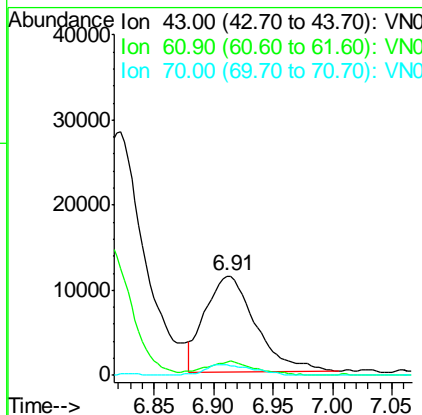
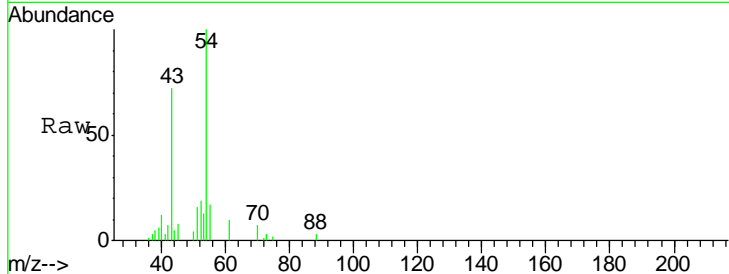
#37
 Ethyl Acetate
 Concen: 3.386 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	33213		
43	100		
61	13.8	10.7	16.1
70	10.5	7.6	11.4

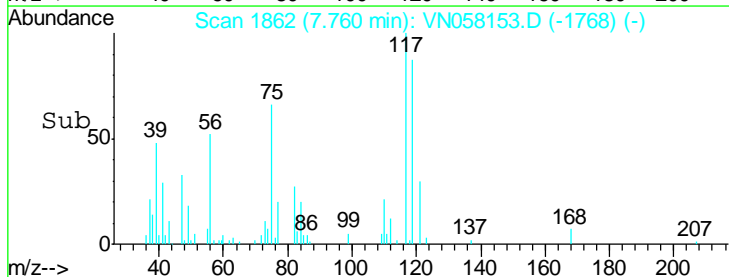
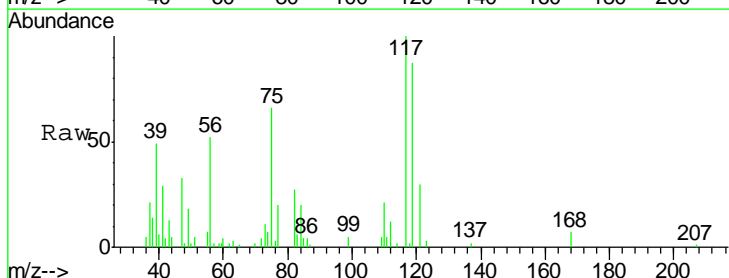
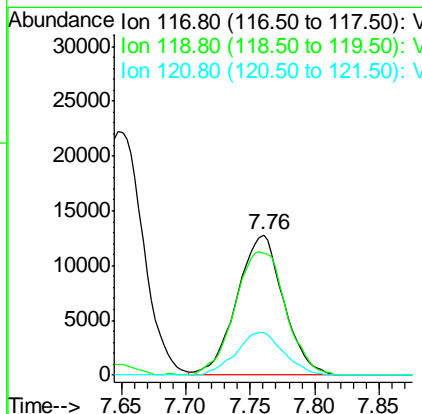
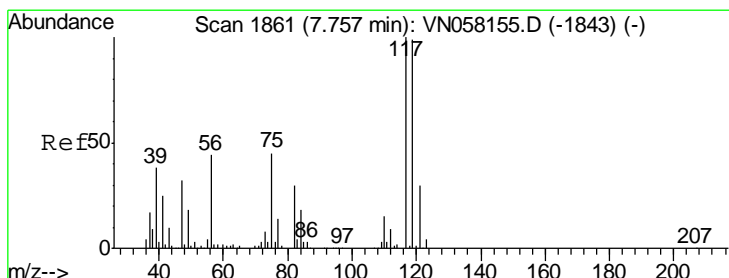
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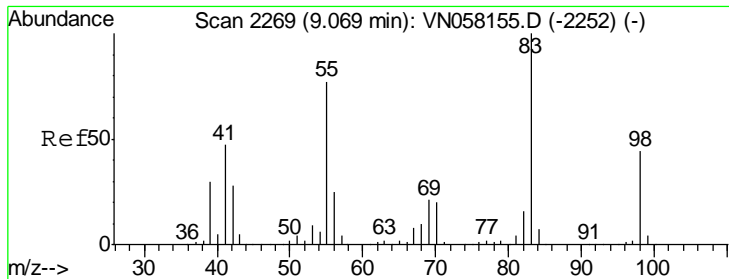
MMDadoda
 9/20/2019 1:14:13 PM



#38
 Carbon Tetrachloride
 Concen: 3.721 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
117	32284		
117	100		
119	87.4	78.6	117.8
121	30.2	24.1	36.1





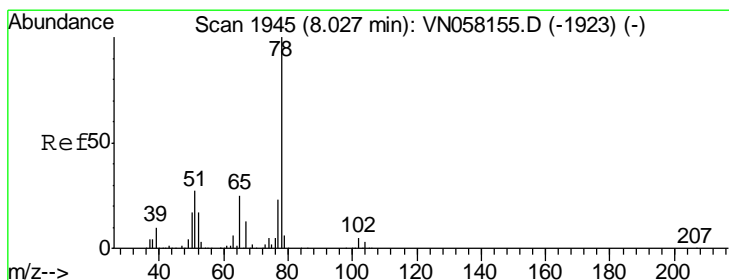
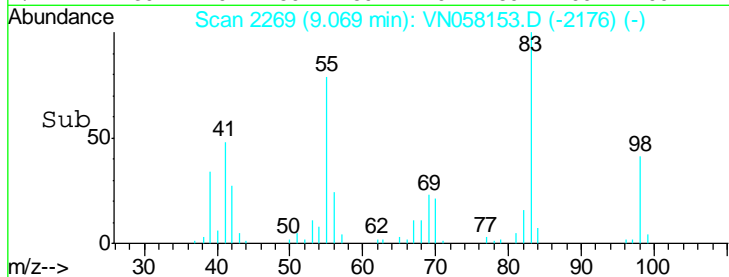
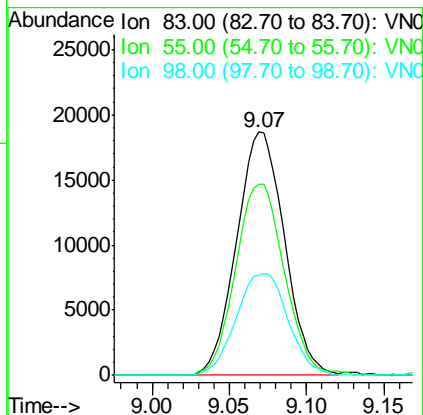
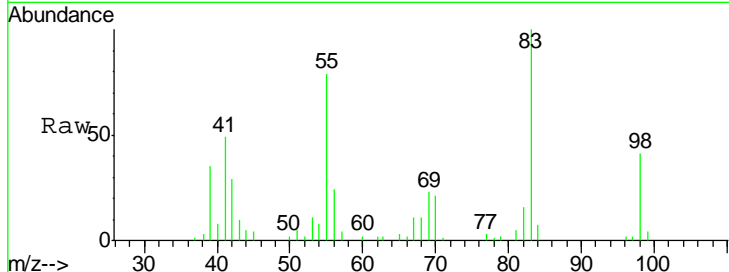
#39
 Methylcyclohexane
 Concen: 4.053 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	40220		
83	100		
55	78.6	61.9	92.9
98	41.3	35.4	53.2

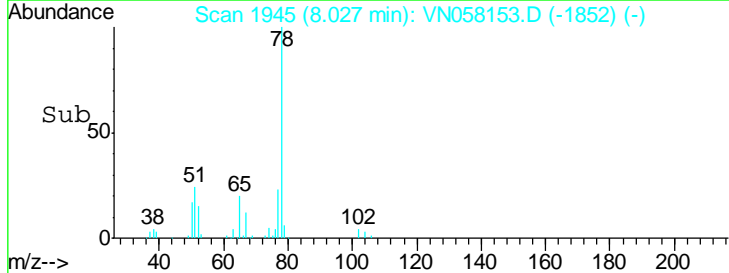
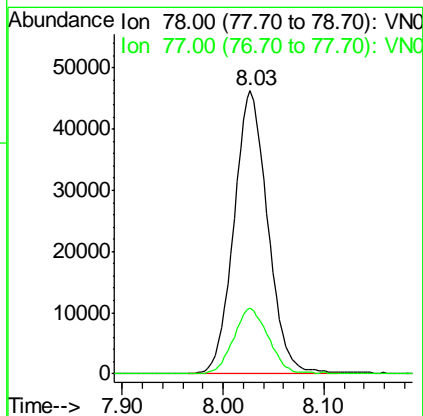
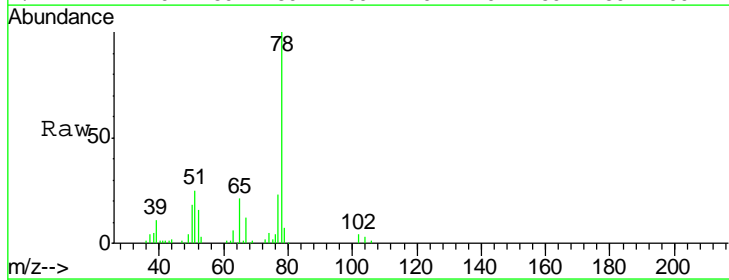
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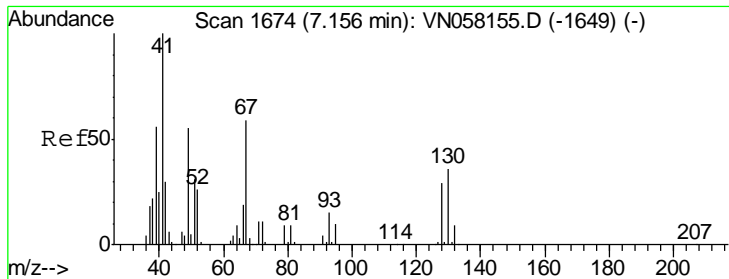
MMDadoda
 9/20/2019 1:14:13 PM



#40
 Benzene
 Concen: 3.770 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
78	107414		
78	100		
77	23.3	18.8	28.2





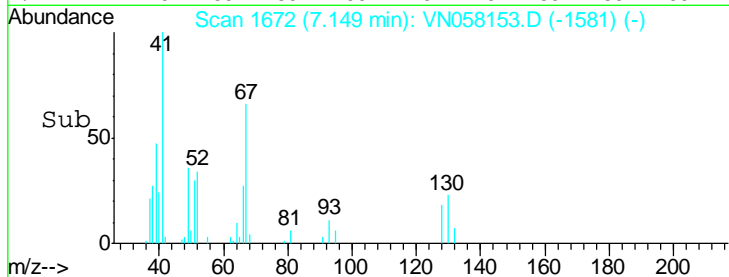
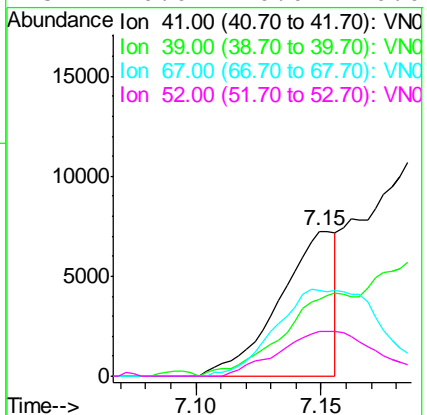
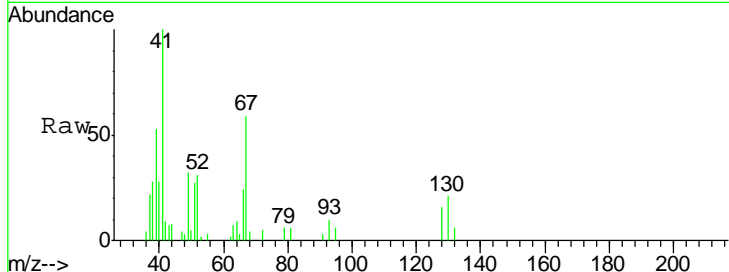
#41
 Methacrylonitrile
 Concen: 2.582 ug/l m
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
41	100		
39	144.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

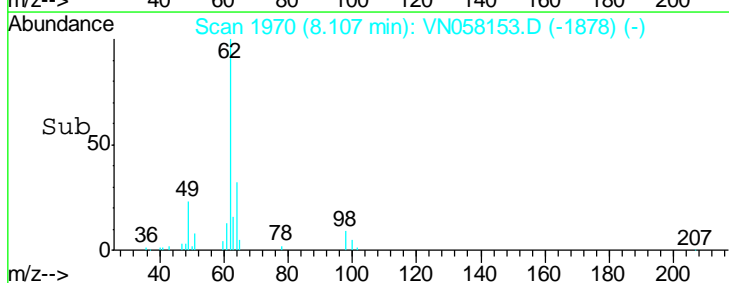
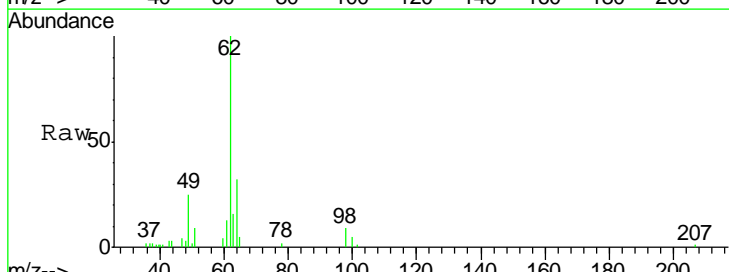
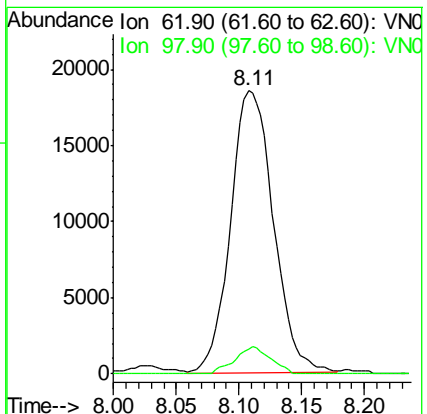
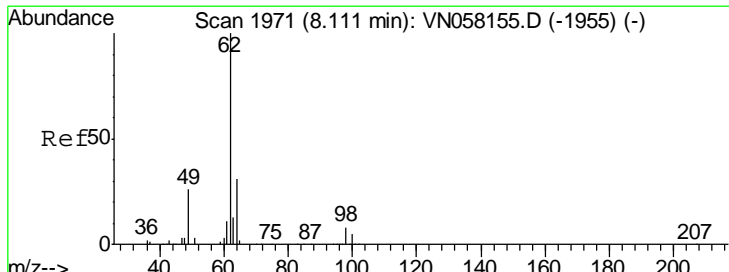
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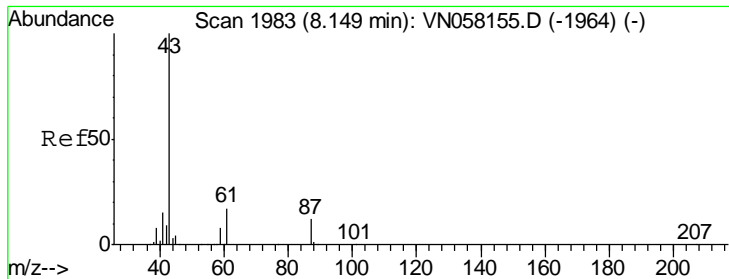
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#42
 1,2-Dichloroethane
 Concen: 3.833 ug/l
 RT: 8.11 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.0	0.0	15.6





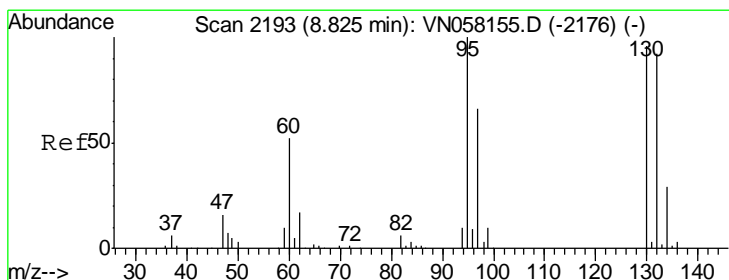
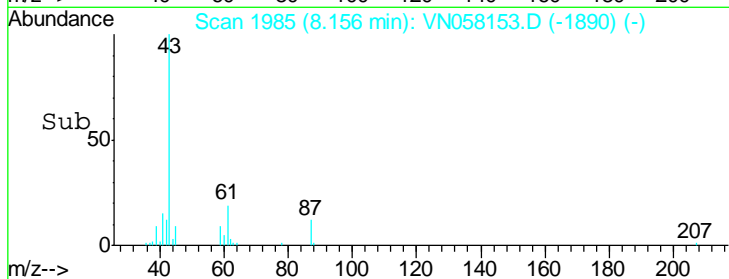
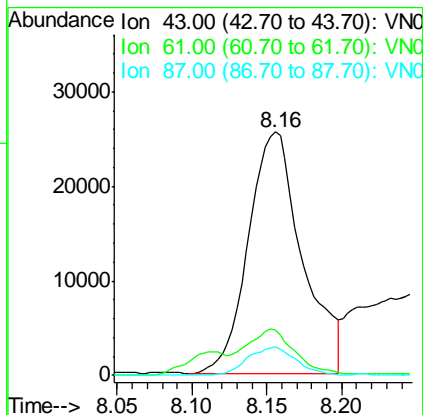
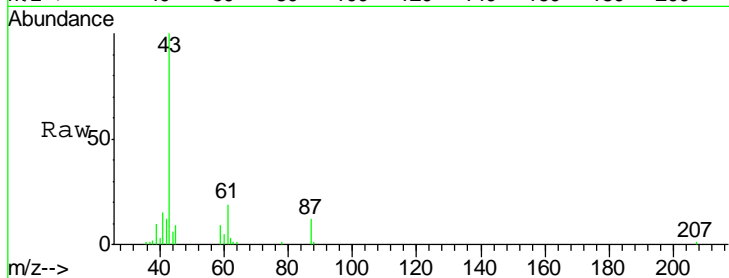
#43
 Isopropyl Acetate
 Concen: 3.913 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.01 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
61	16.1	19.7	29.5#
87	10.4	9.4	14.2

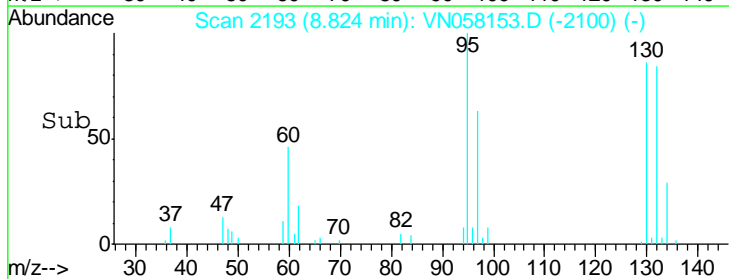
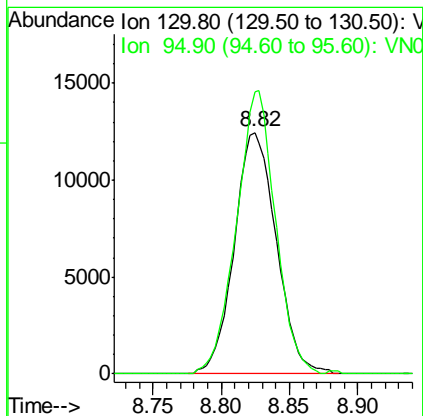
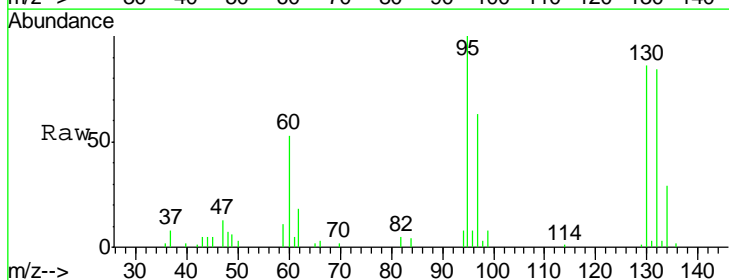
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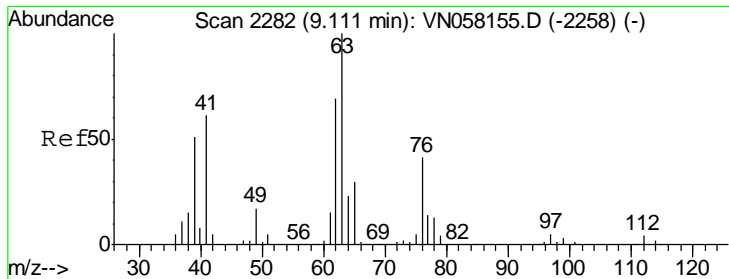
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#44
 Trichloroethene
 Concen: 3.811 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
130	100		
95	116.5	0.0	207.8





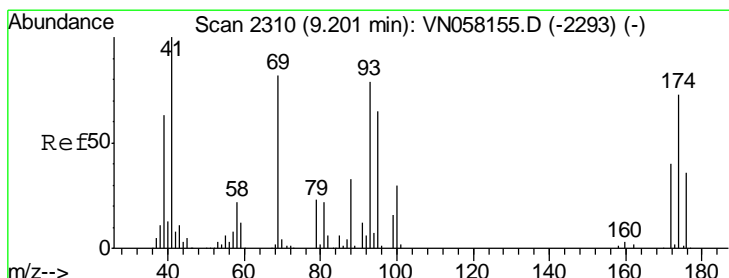
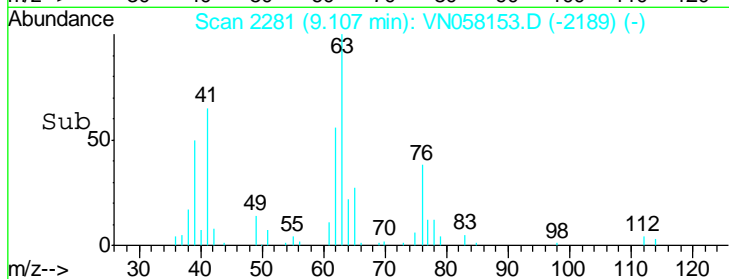
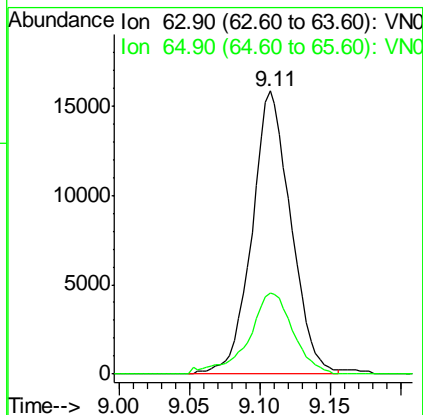
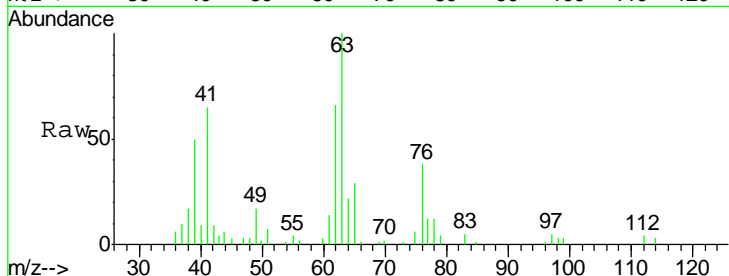
#45
 1,2-Dichloropropane
 Concen: 3.668 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
63	30530		
63	100		
65	28.5	23.8	35.6

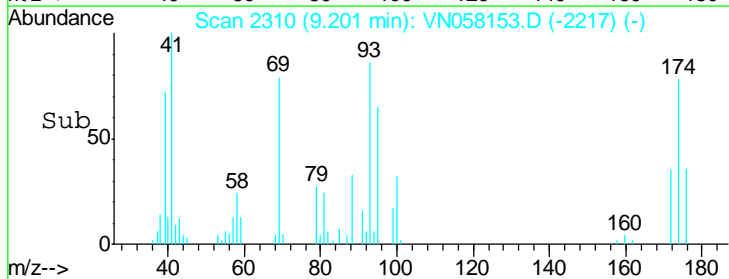
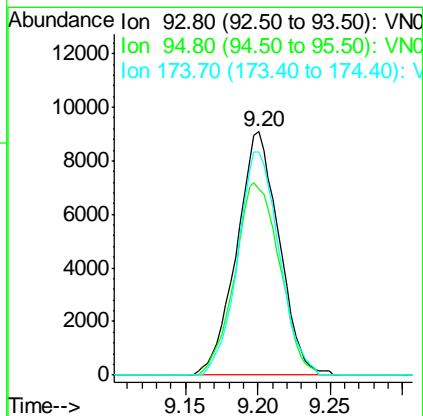
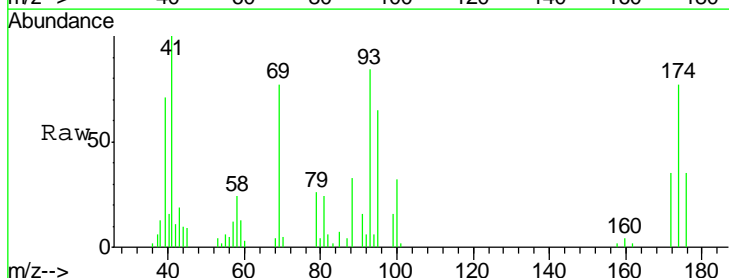
Manual Integrations
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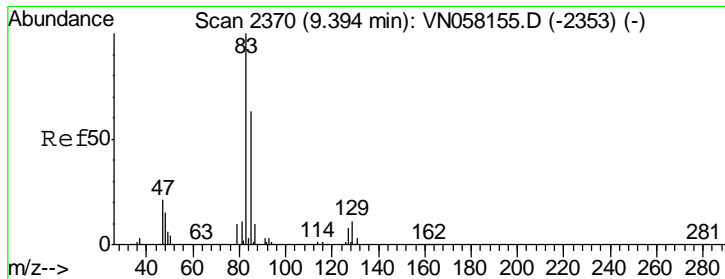
MMDadoda
 9/20/2019 1:14:13 PM



#46
 Dibromomethane
 Concen: 3.672 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
93	18447		
93	100		
95	83.3	66.8	100.2
174	89.8	73.8	110.8





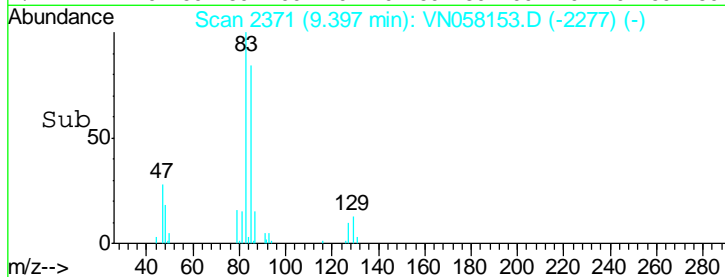
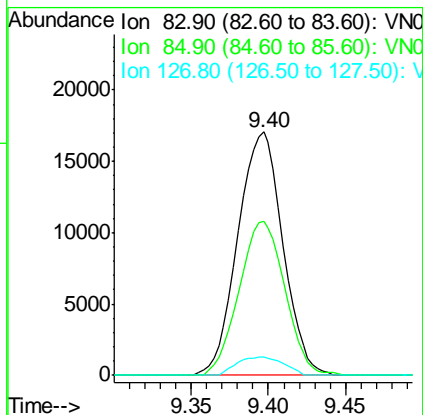
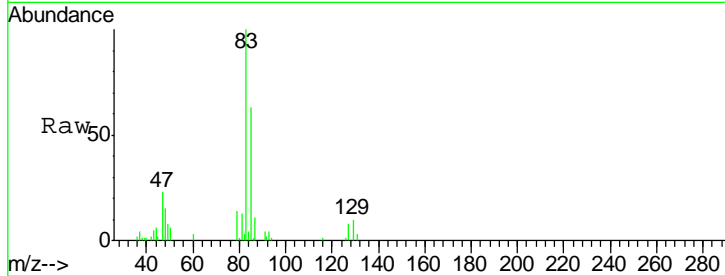
#47
 Bromodichloromethane
 Concen: 3.444 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	34454		
85	63.1	50.1	75.1
127	7.6	6.4	9.6

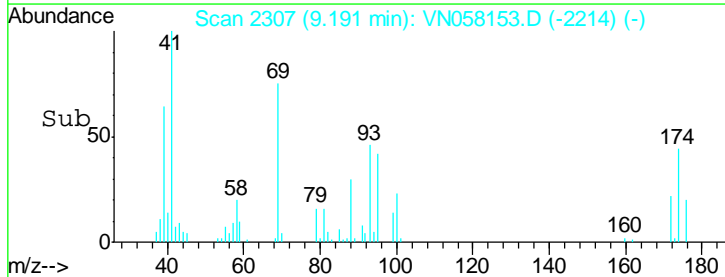
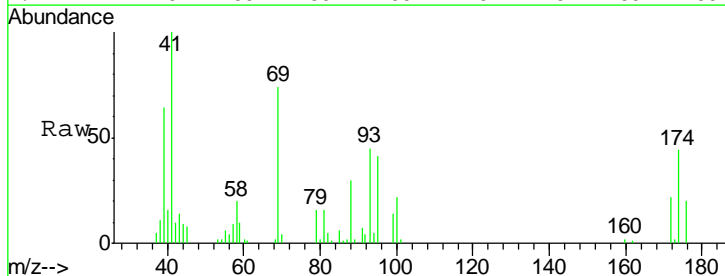
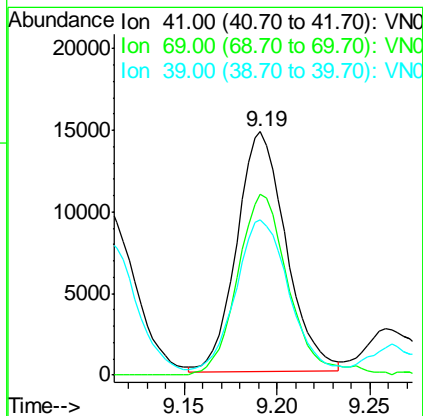
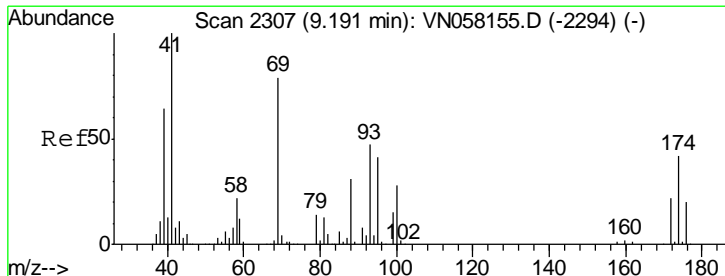
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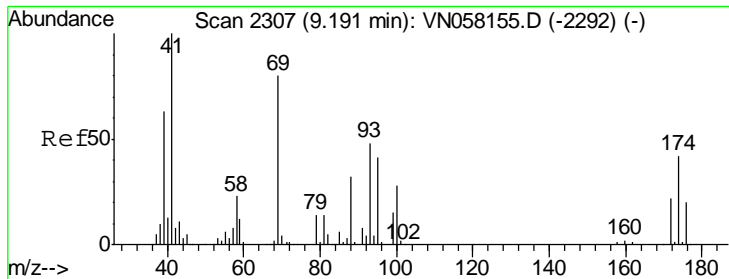
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#48
 Methyl methacrylate
 Concen: 3.282 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
41	27322		
69	78.2	62.5	93.7
39	71.7	52.3	78.5





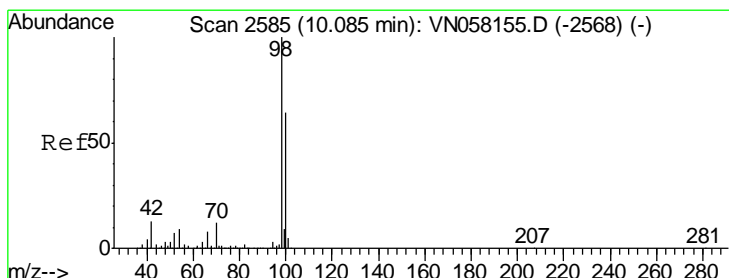
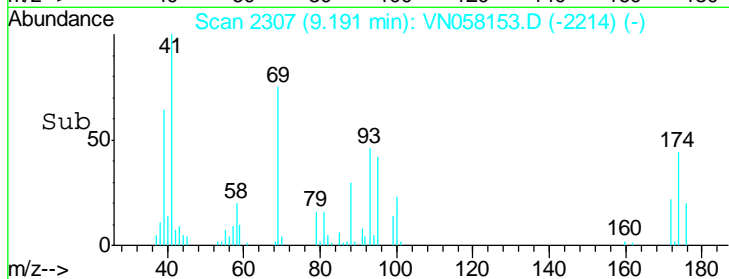
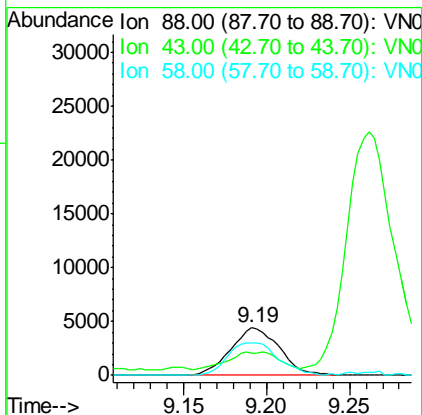
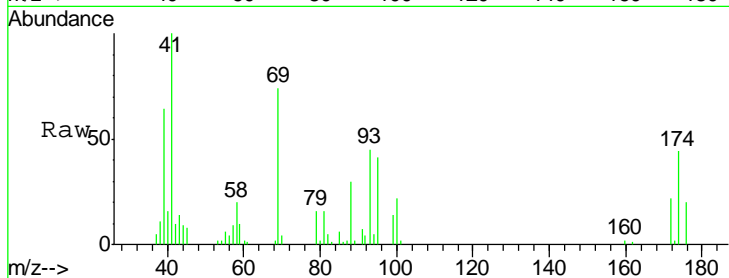
#49
 1,4-Dioxane
 Concen: 63.413 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
88	8970		
88	100		
43	35.9	27.8	41.8
58	72.0	55.0	82.4

Instrument : MSVOA_N
 ClientSampled : VN058153.D
 VSTDIC005

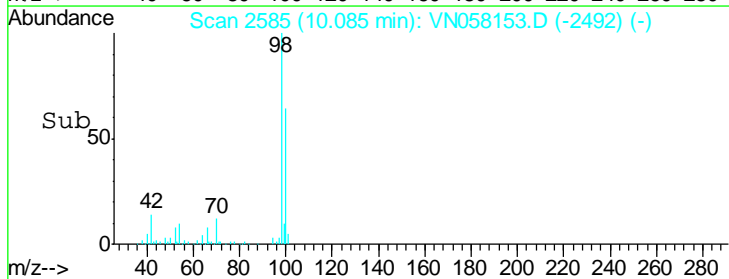
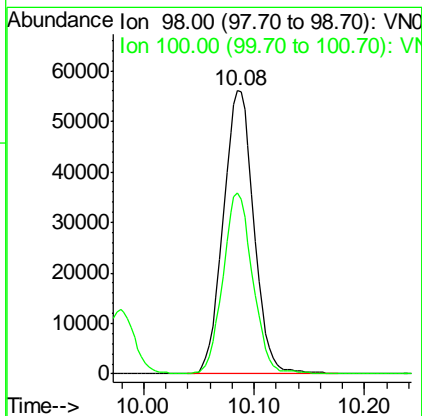
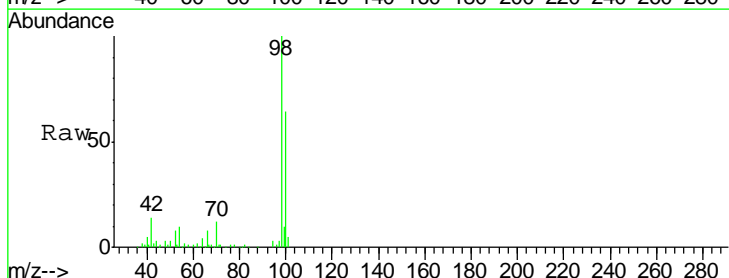
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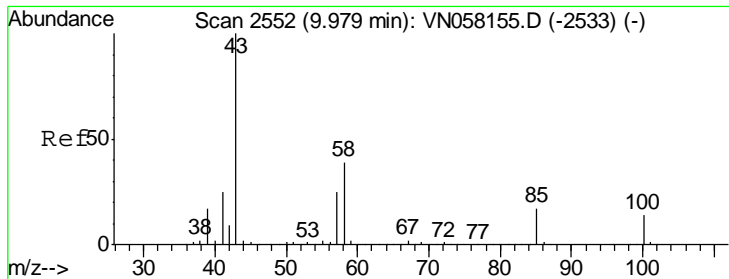
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#50
 Toluene-d8
 Concen: 3.708 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
98	107739		
98	100		
100	62.2	51.1	76.7





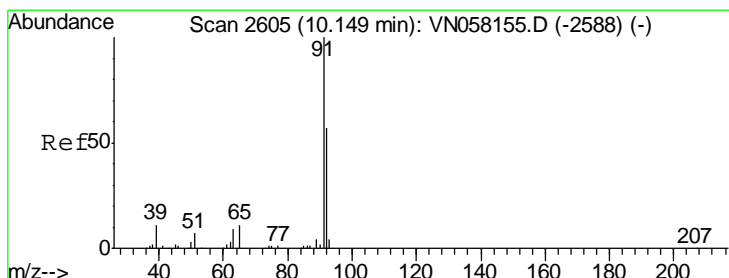
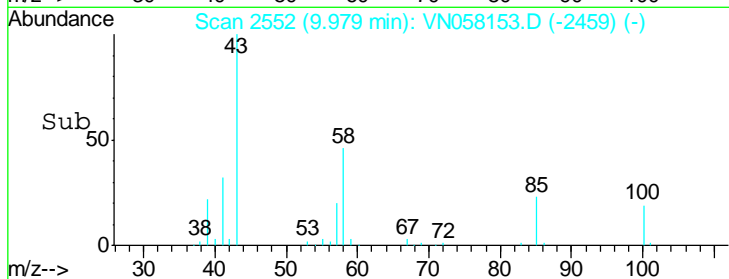
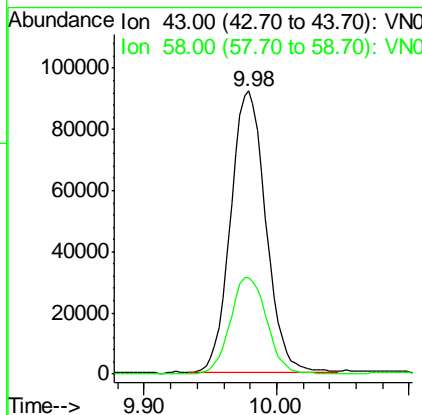
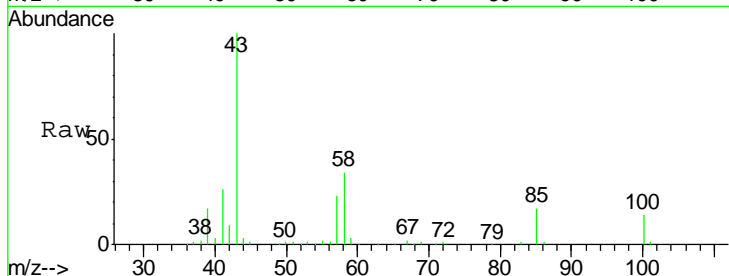
#51
 4-Methyl-2-Pentanone
 Concen: 17.573 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	35.7	30.2	45.4

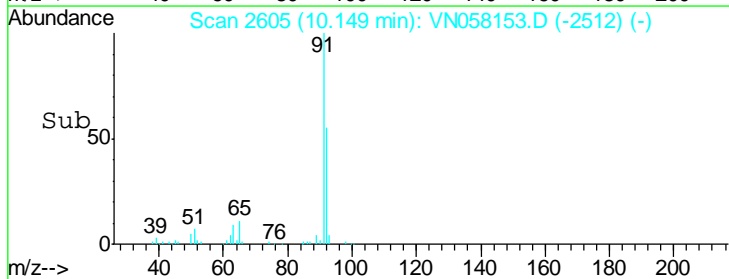
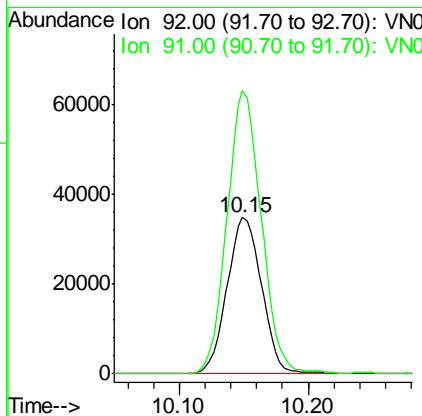
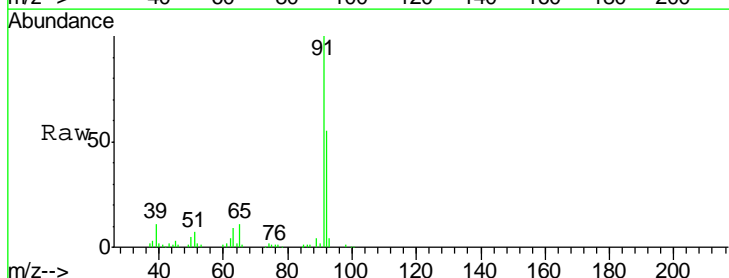
Manual Integrations
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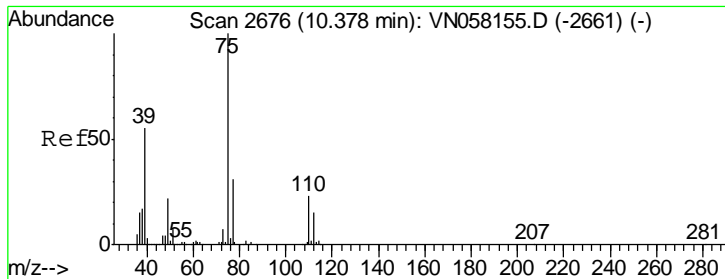
MMDadoda
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#52
 Toluene
 Concen: 3.610 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
92	100		
91	179.2	140.2	210.2





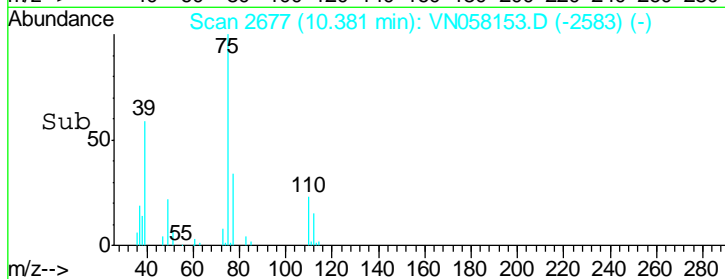
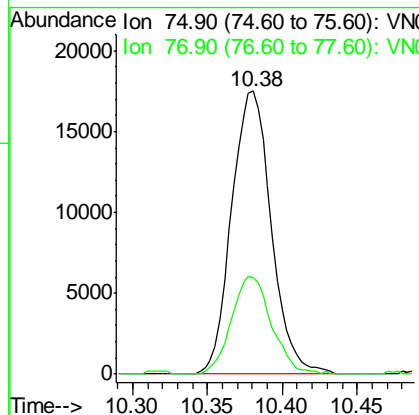
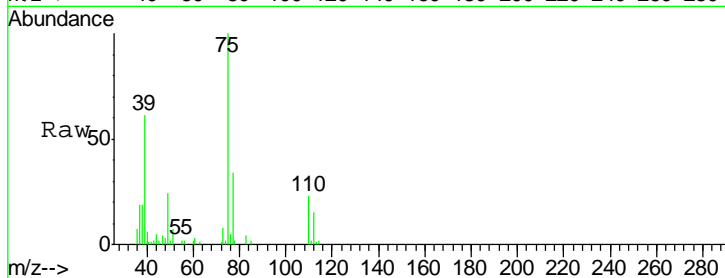
#53
 t-1,3-Dichloropropene
 Concen: 3.073 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	32305		
75	100		
77	34.1	24.9	37.3

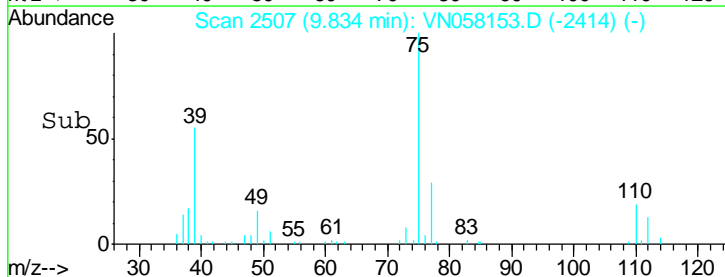
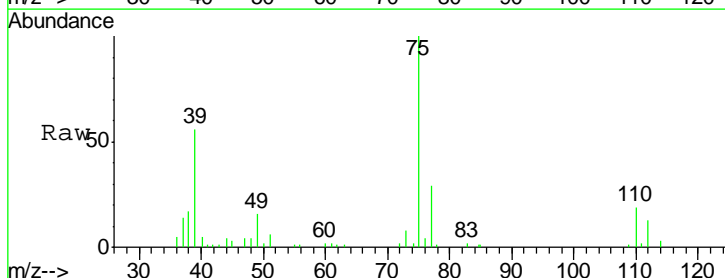
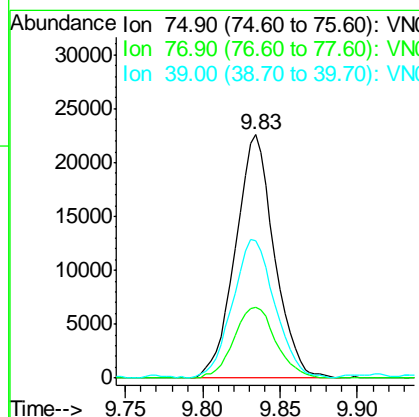
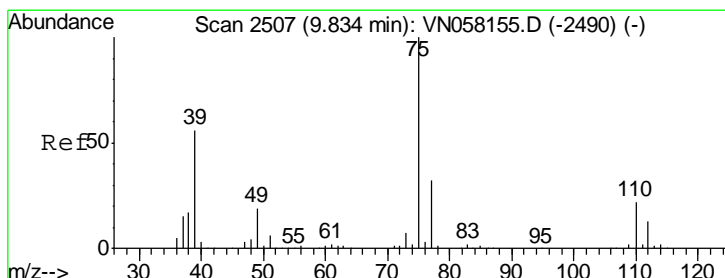
Manual Integrations
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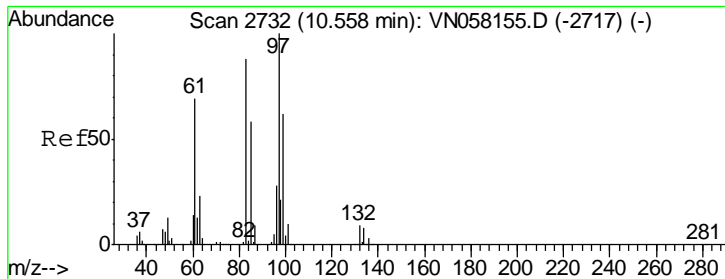
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#54
 cis-1,3-Dichloropropene
 Concen: 3.386 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
75	39325		
75	100		
77	28.8	25.4	38.0
39	56.4	45.0	67.6





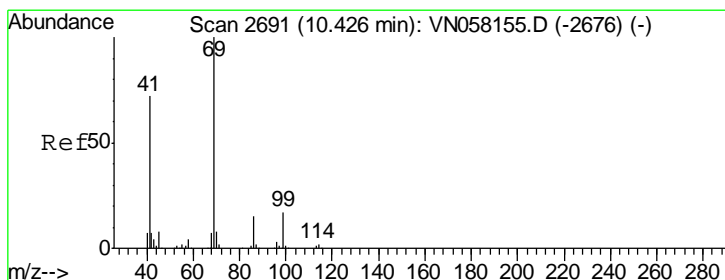
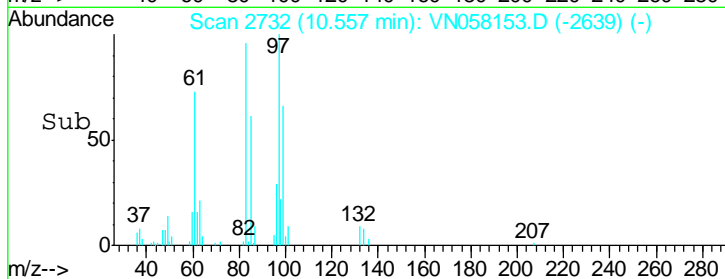
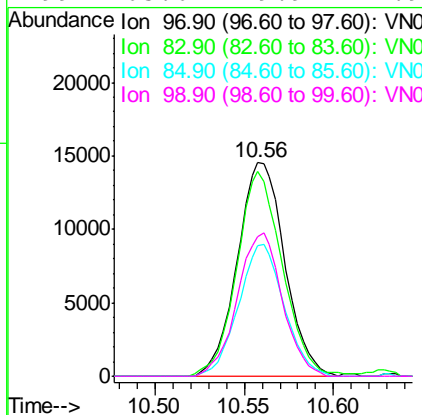
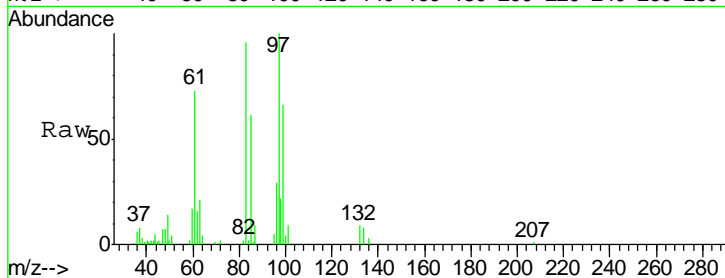
#55
 1,1,2-Trichloroethane
 Concen: 3.537 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
97	26895		
97	100		
83	95.7	70.4	105.6
85	61.1	46.8	70.2
99	65.6	49.9	74.9

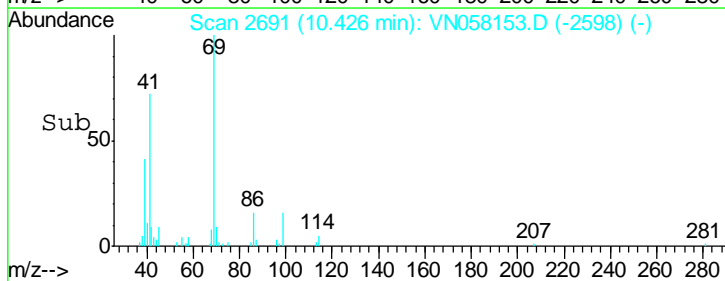
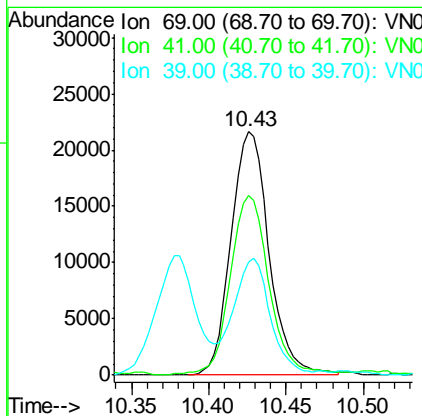
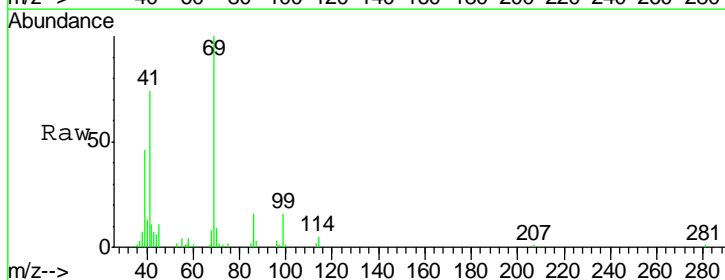
Manual Integrations
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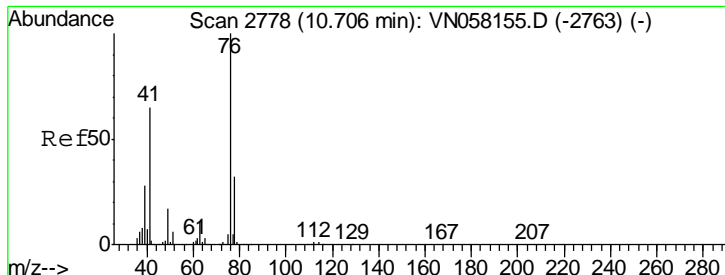
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#56
 Ethyl methacrylate
 Concen: 3.244 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
69	36958		
69	100		
41	75.6	57.5	86.3
39	47.7	36.1	54.1





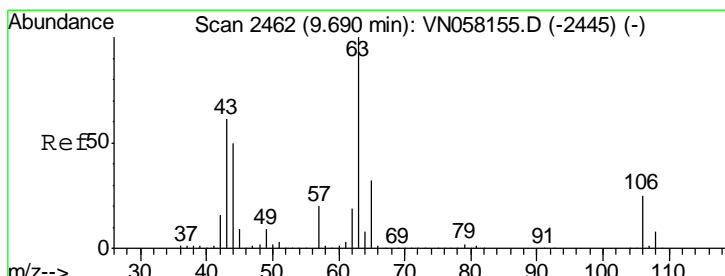
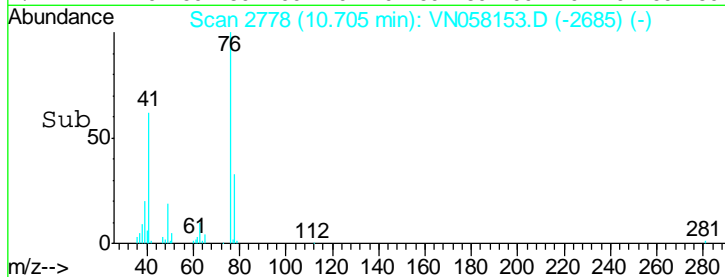
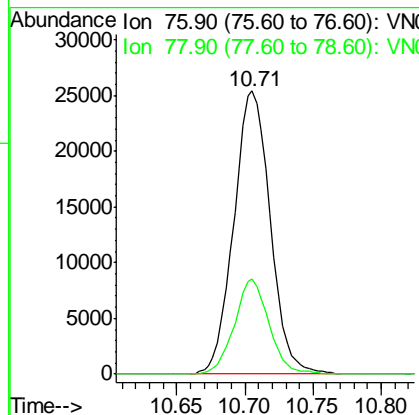
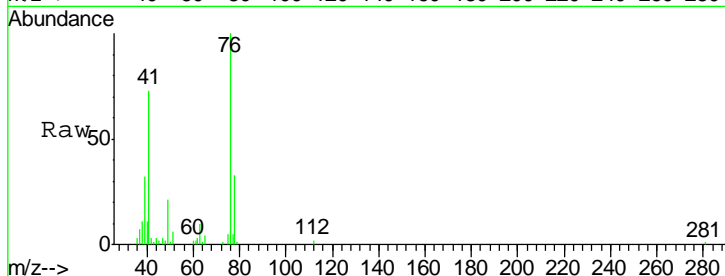
#57
 1,3-Dichloropropane
 Concen: 3.593 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	47097		
76	100		
78	31.7	25.4	38.0

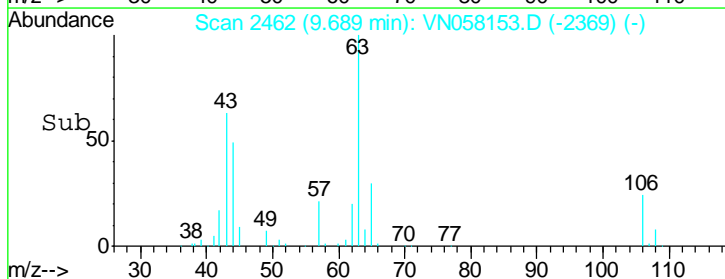
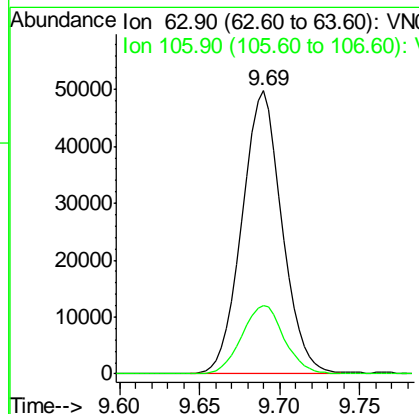
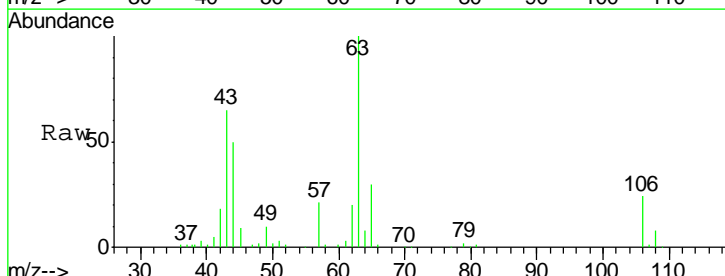
Manual Integrations
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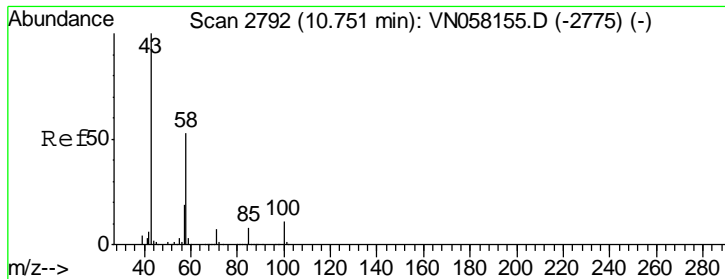
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#58
 2-Chloroethyl Vinyl ether
 Concen: 15.992 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
63	84987		
63	100		
106	25.5	19.9	29.9





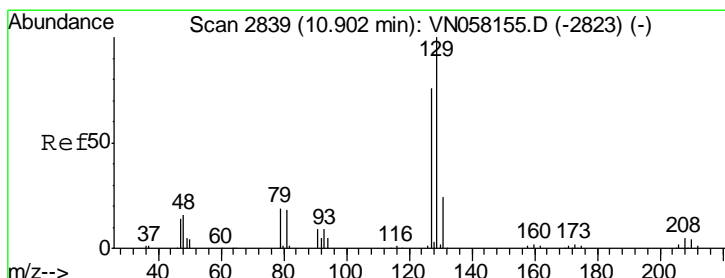
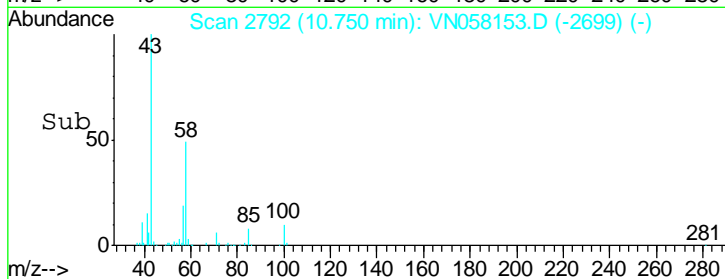
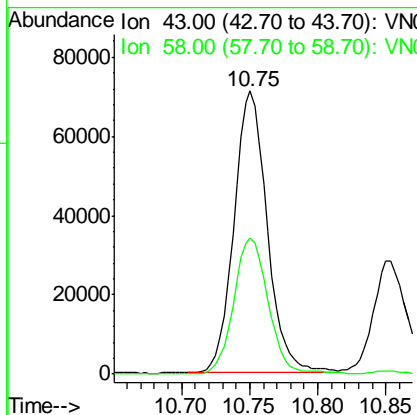
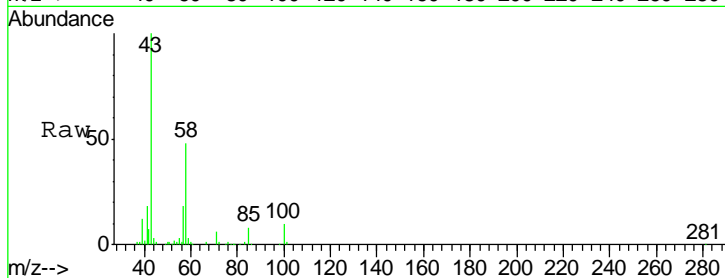
#59
 2-Hexanone
 Concen: 16.627 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	120039		
58	50.4	26.0	78.0

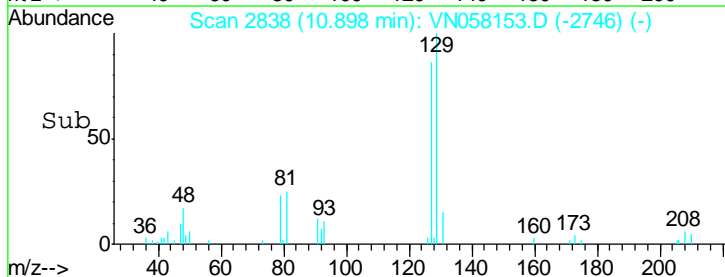
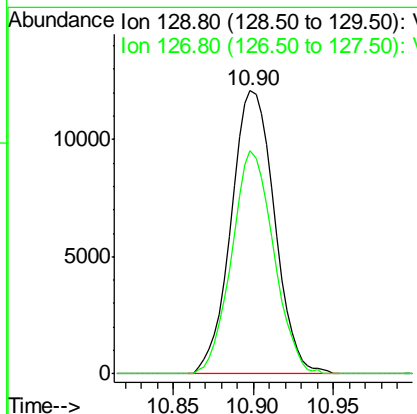
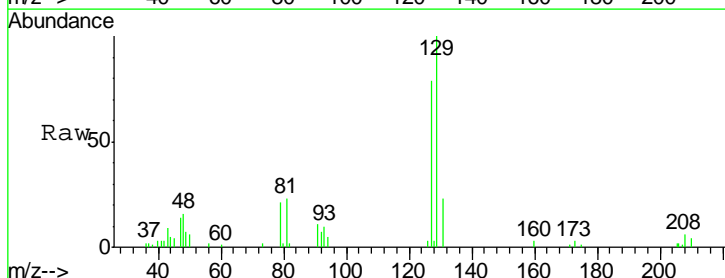
Manual Integrations
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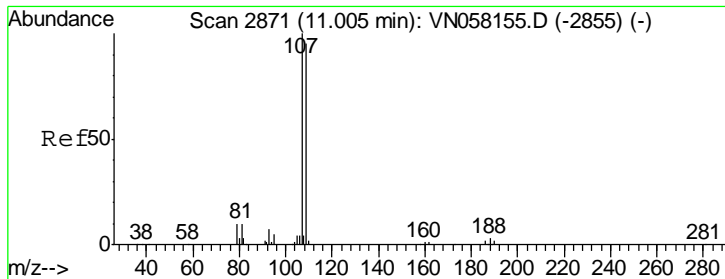
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#60
 Dibromochloromethane
 Concen: 3.165 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
129	22316		
127	76.2	38.7	116.1





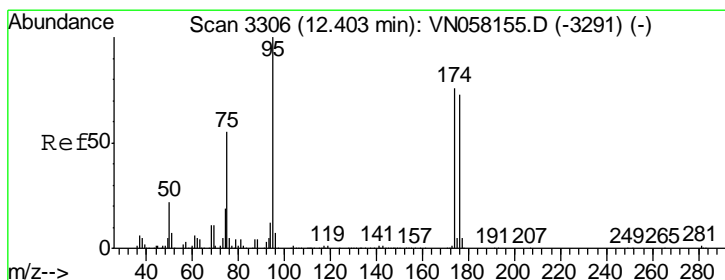
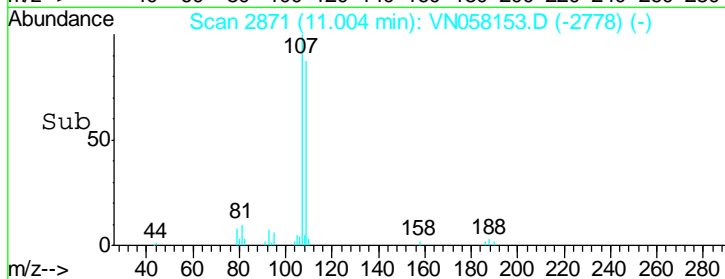
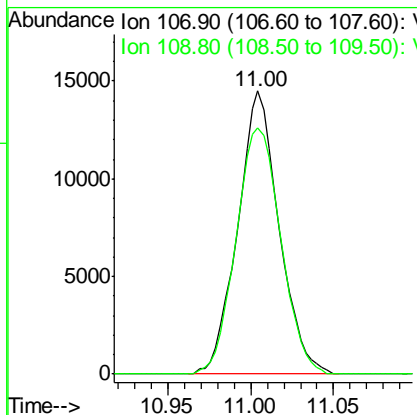
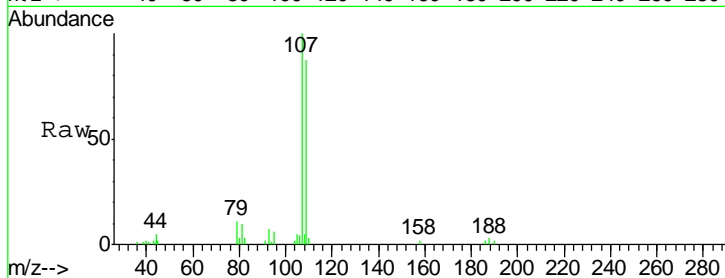
#61
 1,2-Dibromoethane
 Concen: 3.494 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
107	25046		
109	94.5	75.4	113.2

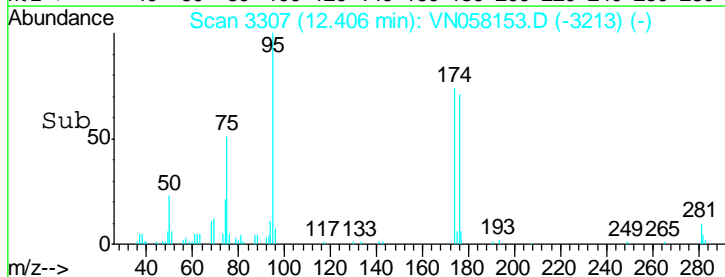
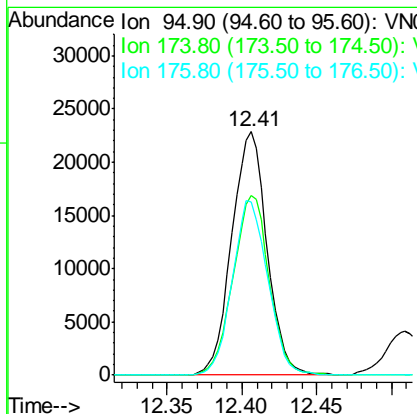
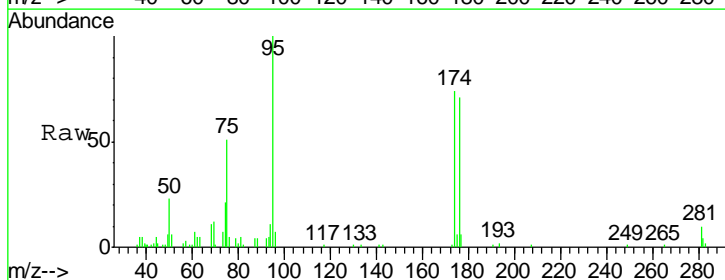
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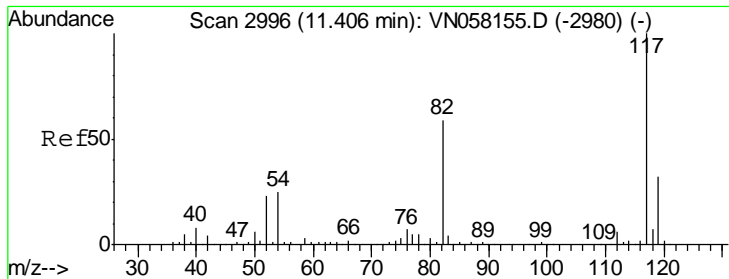
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#62
 4-Bromofluorobenzene
 Concen: 3.361 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
95	37554		
174	75.6	0.0	152.2
176	72.1	0.0	148.0





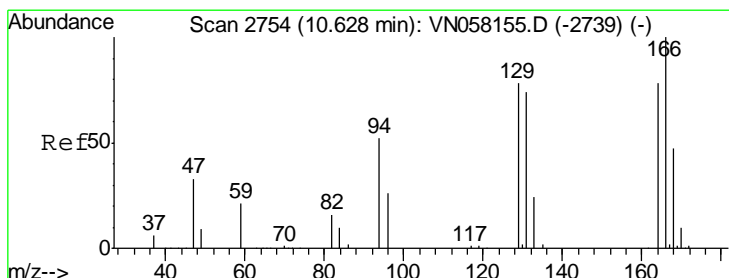
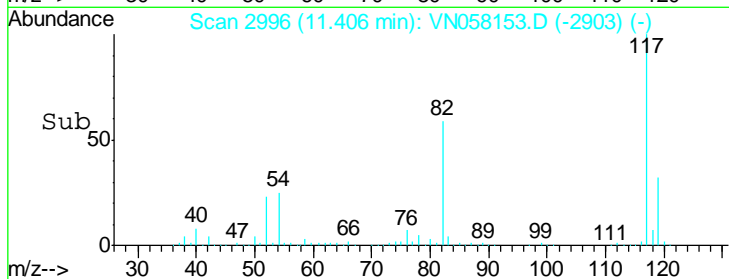
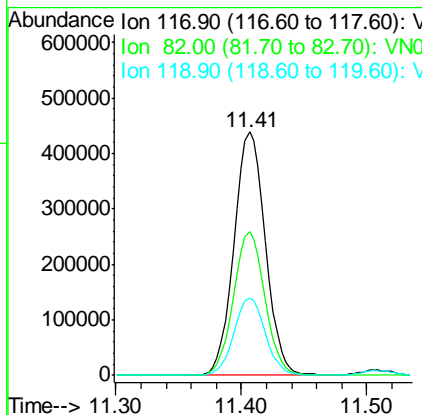
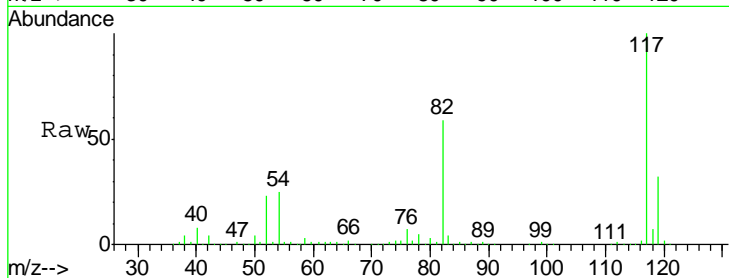
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
117	762644		
82	58.8	46.9	70.3
119	31.9	25.3	37.9

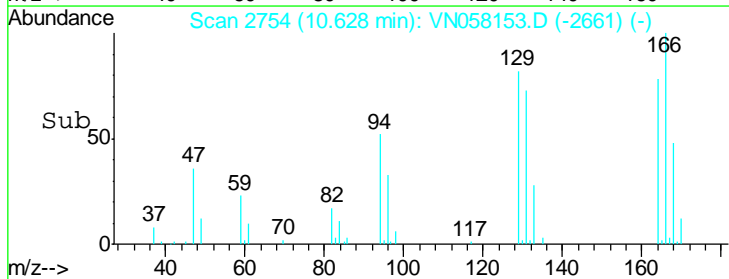
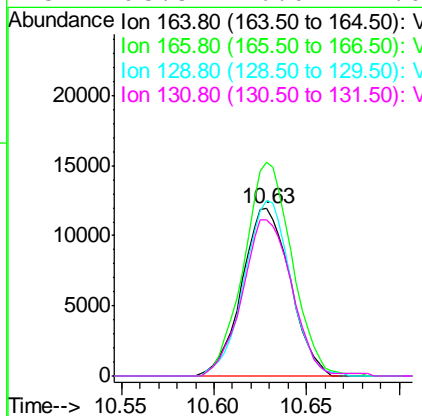
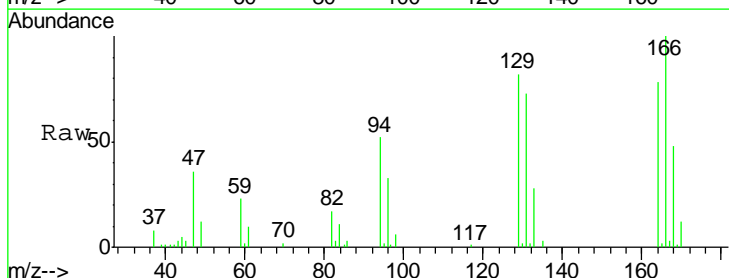
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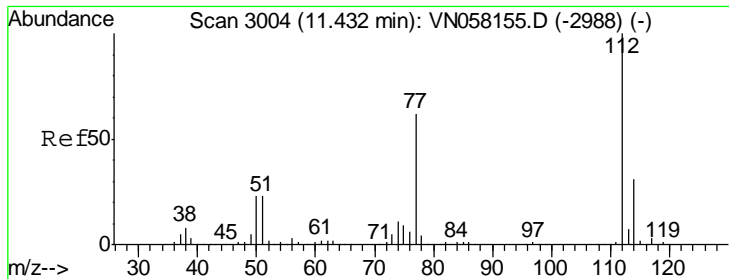
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#64
 Tetrachloroethene
 Concen: 4.068 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
164	21636		
166	127.5	102.2	153.4
129	104.3	79.6	119.4
131	93.5	76.0	114.0





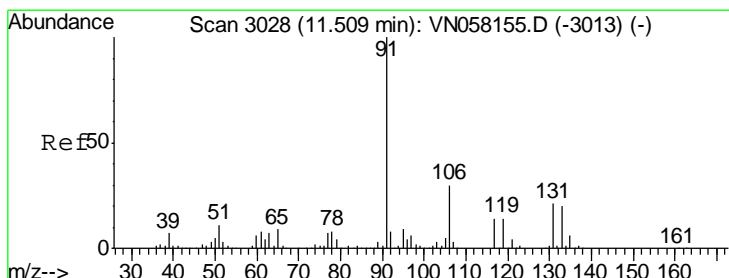
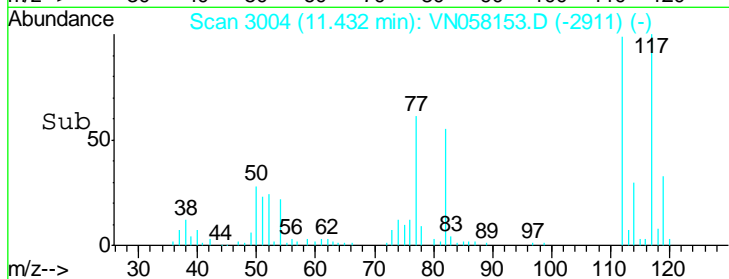
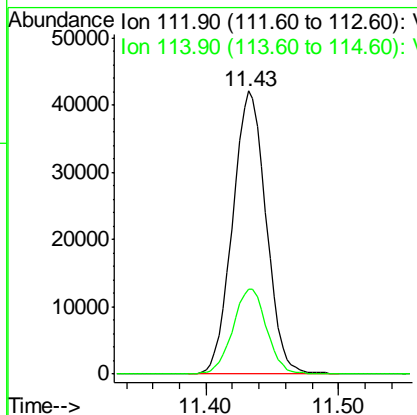
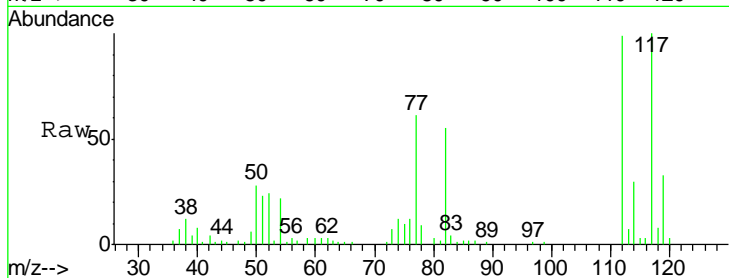
#65
 Chlorobenzene
 Concen: 3.925 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
112	100		
114	30.0	25.1	37.7

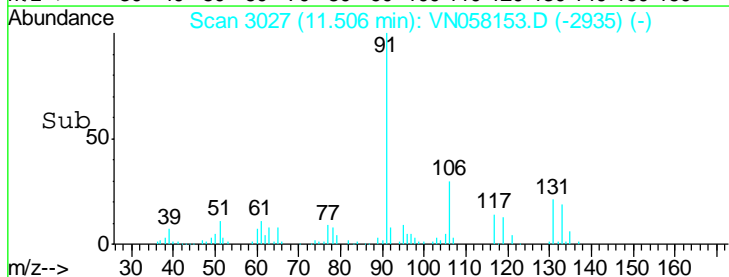
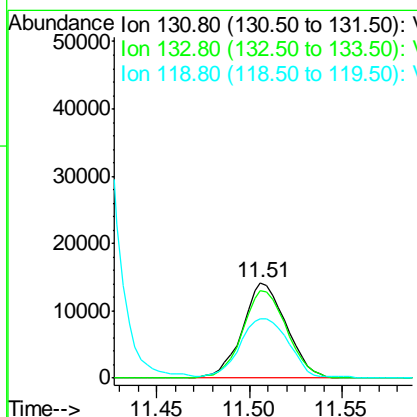
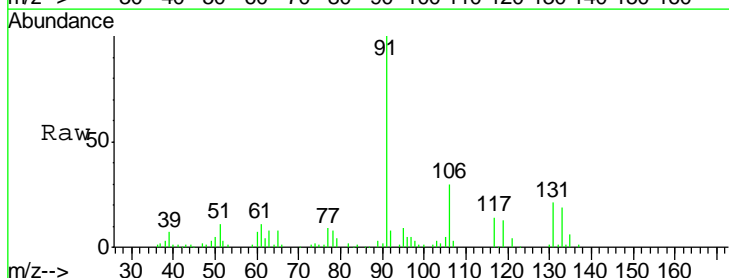
Manual Integrations
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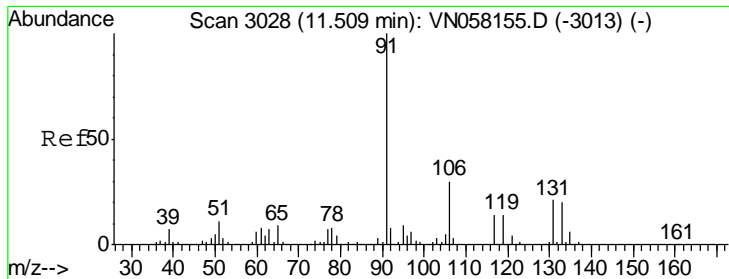
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 3.568 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
131	100		
133	93.4	47.8	143.3
119	67.2	33.1	99.3





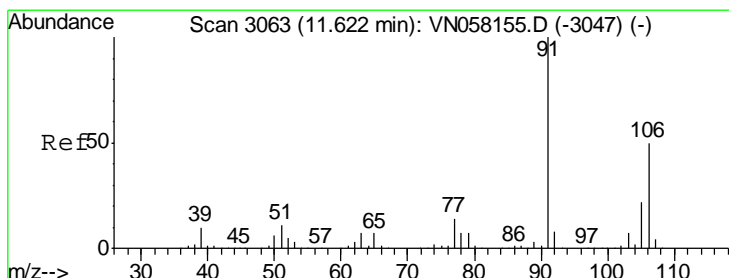
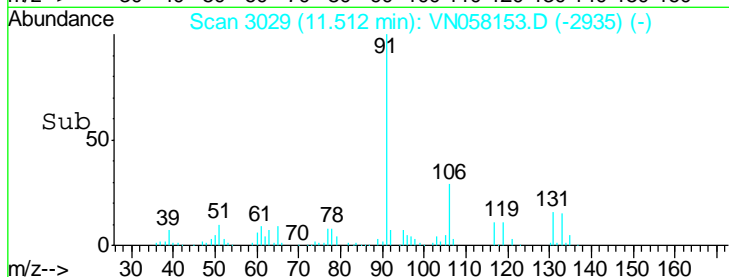
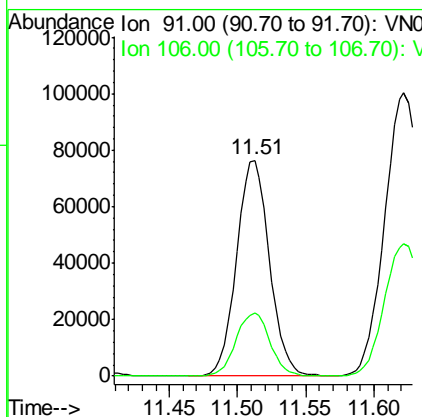
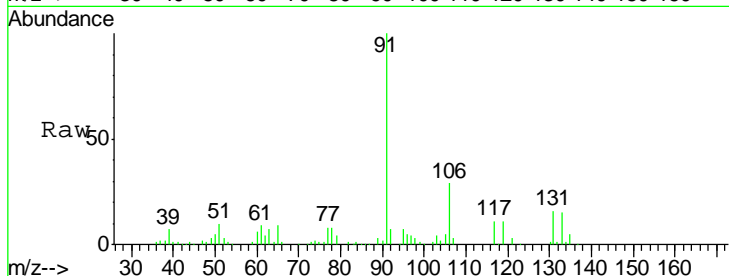
#67
 Ethyl Benzene
 Concen: 3.892 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	127948		
106	29.1	24.0	36.0

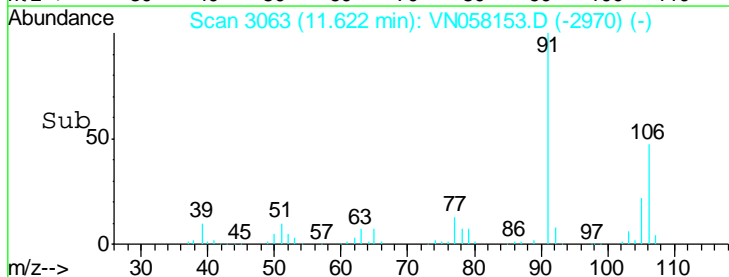
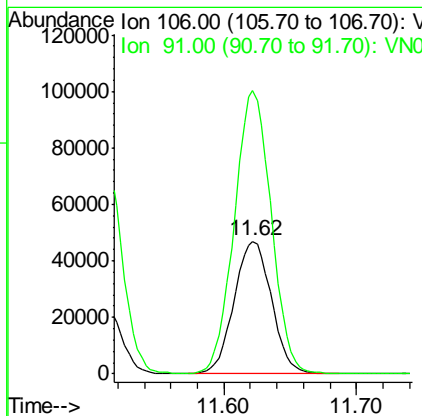
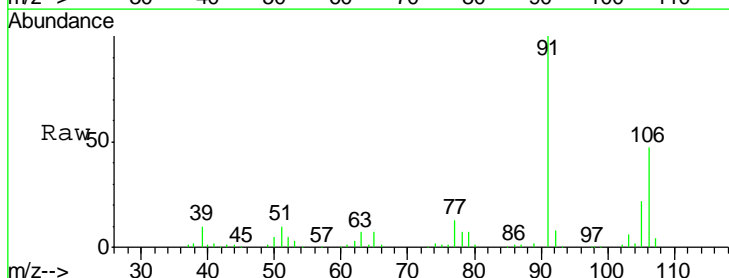
Manual Integrations
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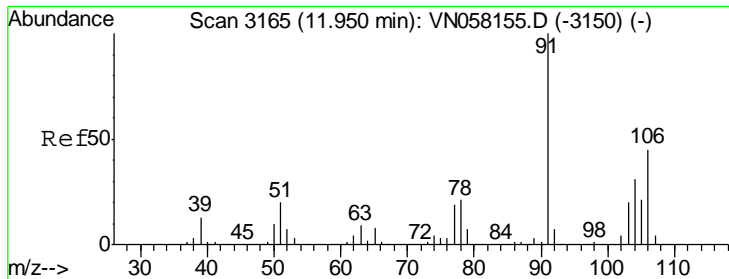
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#68
 m/p-Xylenes
 Concen: 7.652 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
106	92101		
91	209.2	163.6	245.4





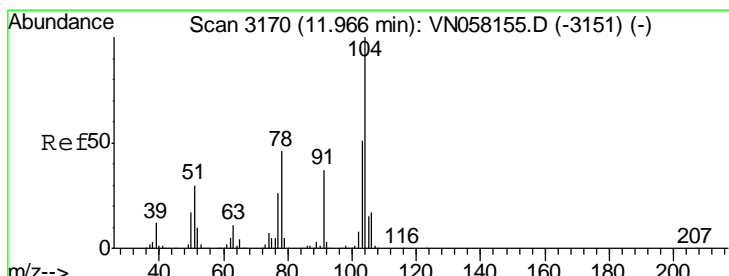
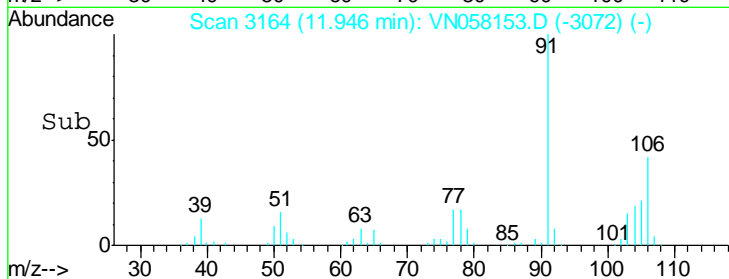
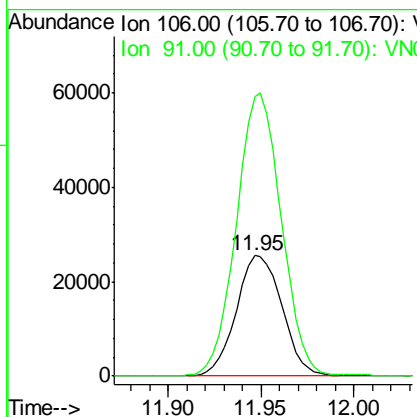
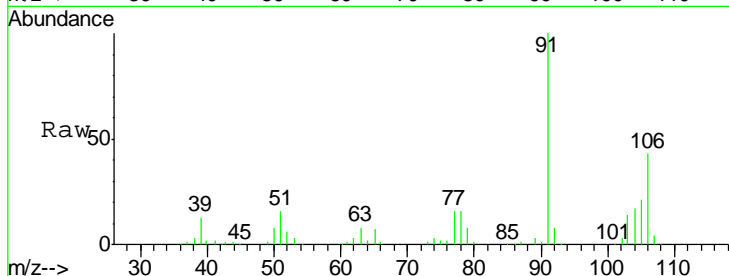
#69
 o-Xylene
 Concen: 3.669 ug/l
 RT: 11.95 min Scan# 3164
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
106	43768		
106	100		
91	230.5	111.8	335.3

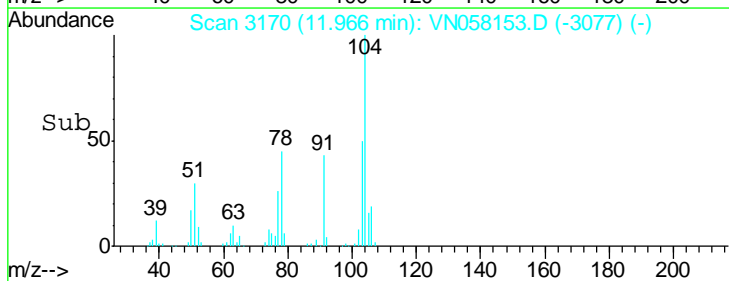
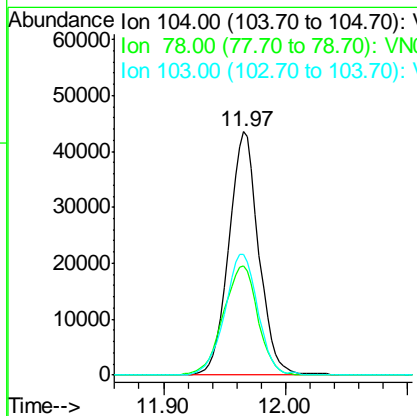
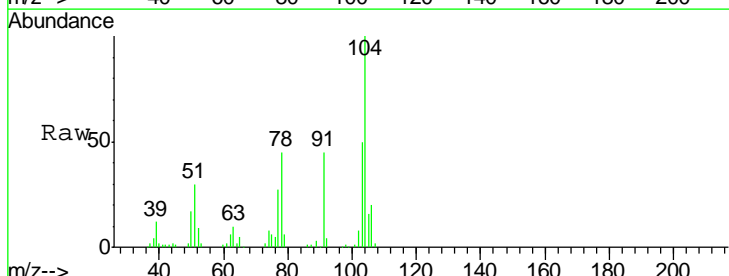
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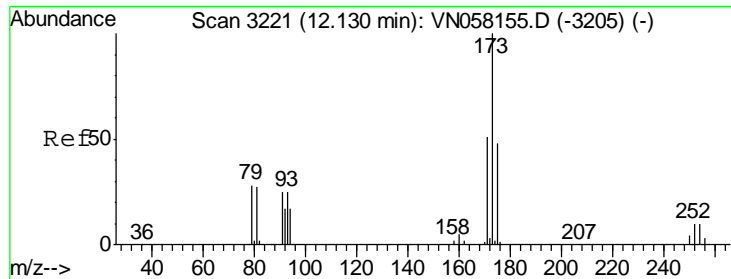
MMDadoda
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#70
 Styrene
 Concen: 3.630 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
104	74517		
104	100		
78	52.0	41.8	62.8
103	55.0	44.2	66.2





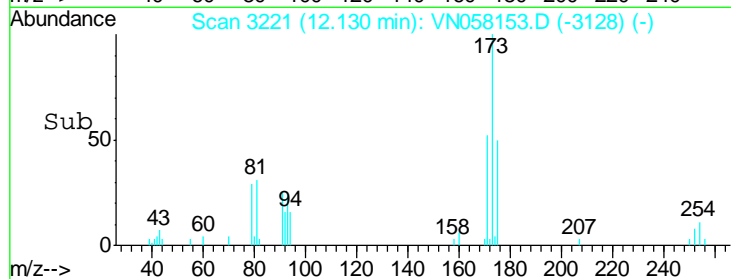
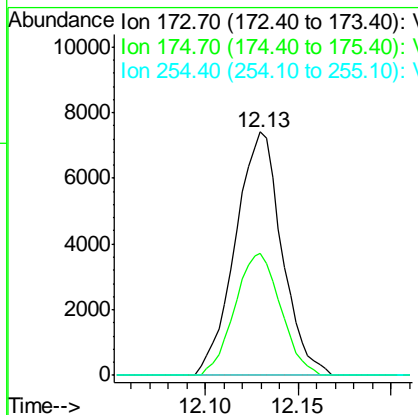
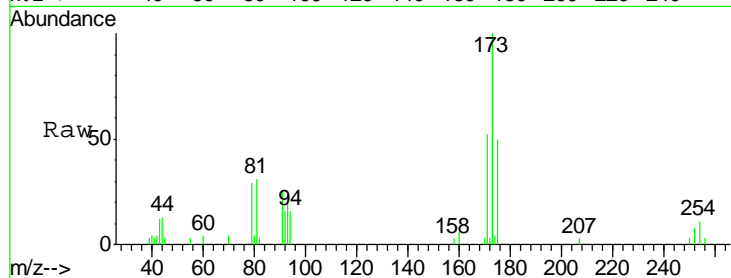
#71
 Bromoform
 Concen: 3.186 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
173	12925		
175	49.2	24.2	72.6
254	0.0	0.1	0.1#

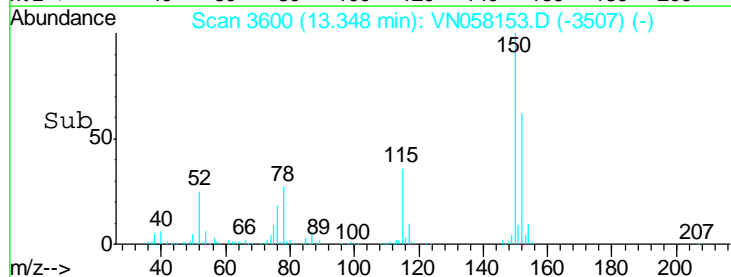
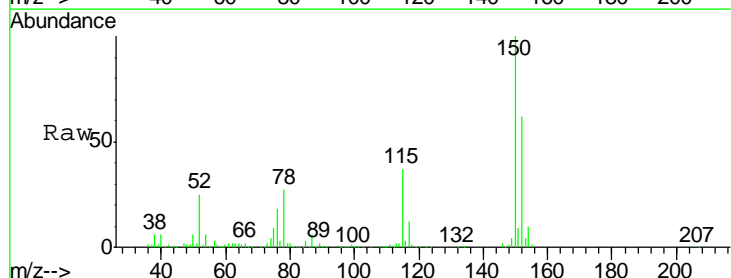
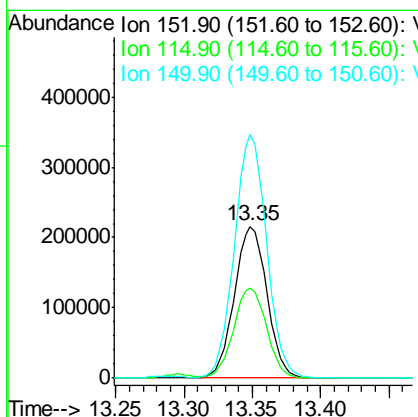
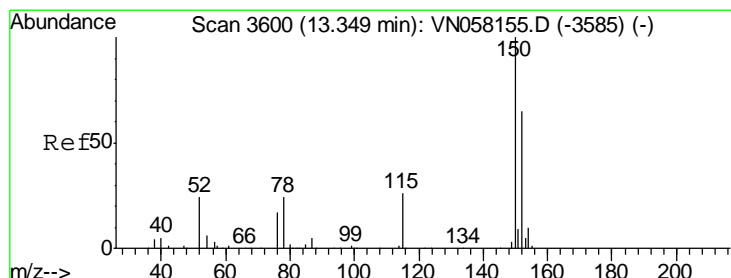
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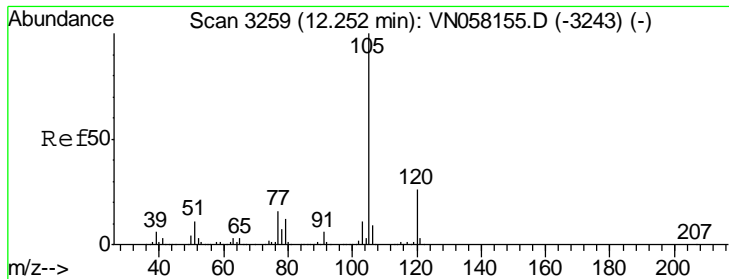
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
152	357482		
152	100		
115	60.2	30.1	90.3
150	158.4	0.0	346.4





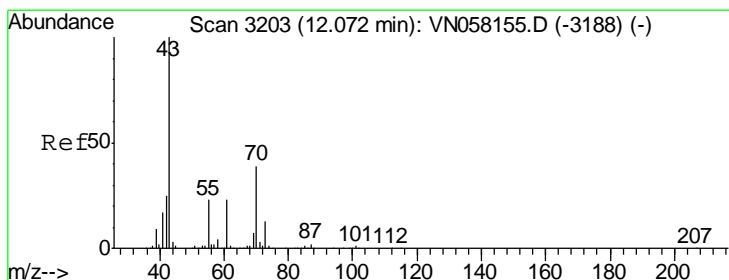
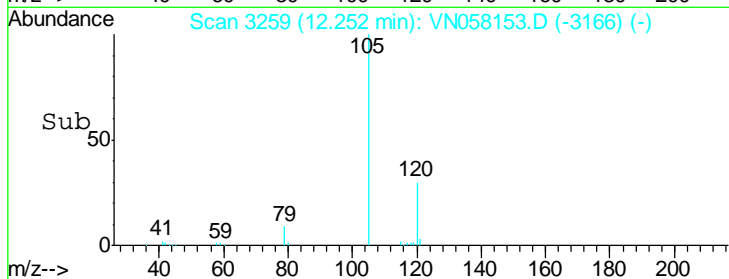
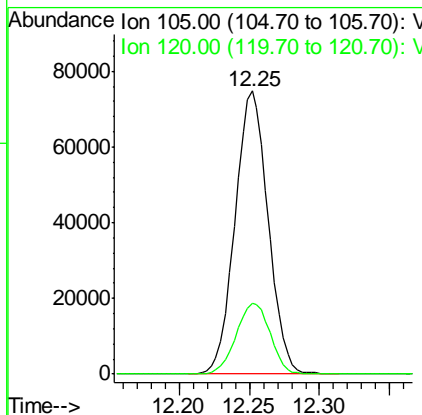
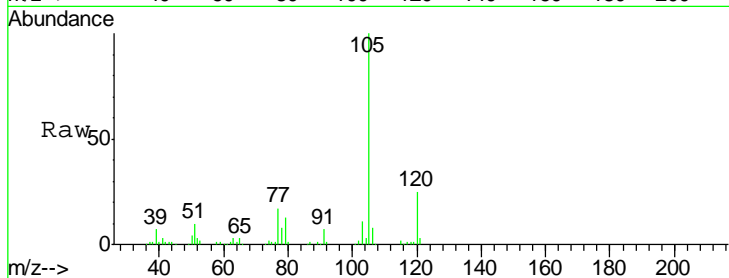
#73
 Isopropylbenzene
 Concen: 4.591 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	123000		
120	25.7	12.8	38.3

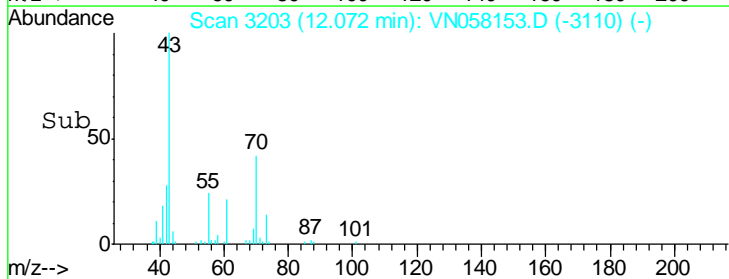
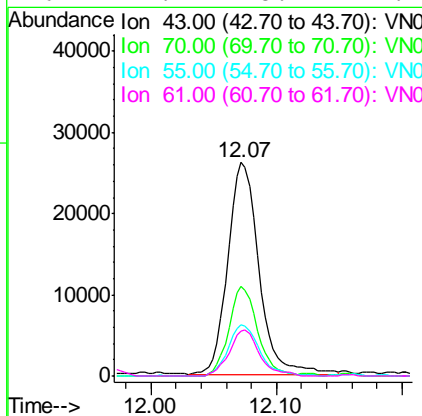
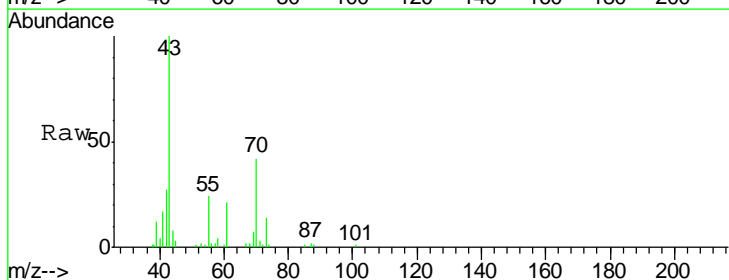
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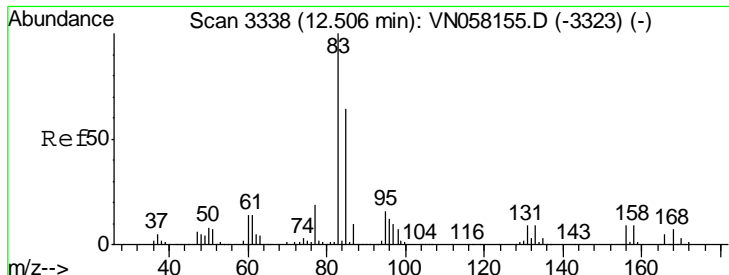
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#74
 N-amyl acetate
 Concen: 3.868 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
43	44843		
70	39.1	31.0	46.6
55	24.5	18.5	27.7
61	21.1	18.2	27.2





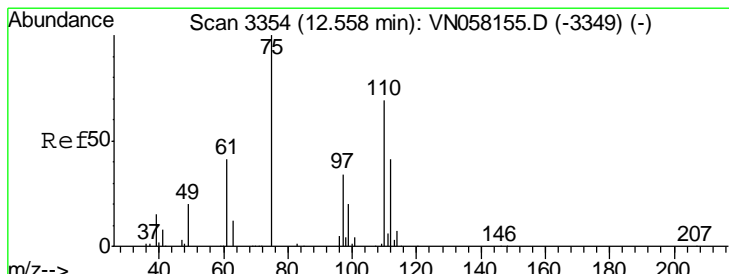
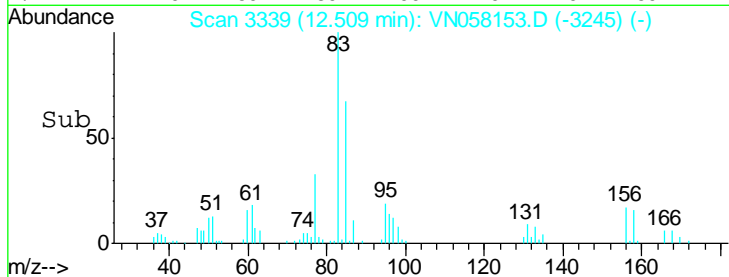
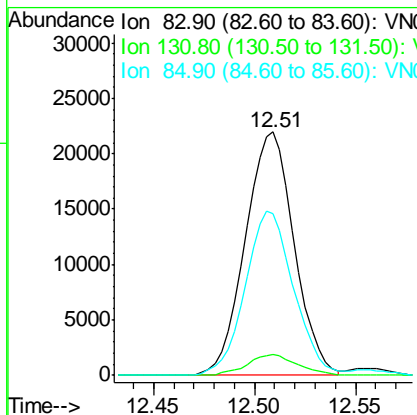
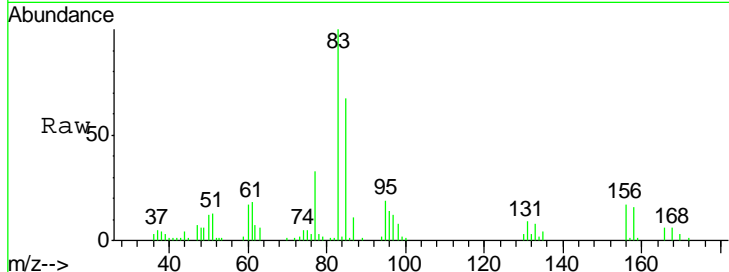
#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.120 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	37143		
83	100		
131	8.7	4.8	14.3
85	66.9	31.9	95.5

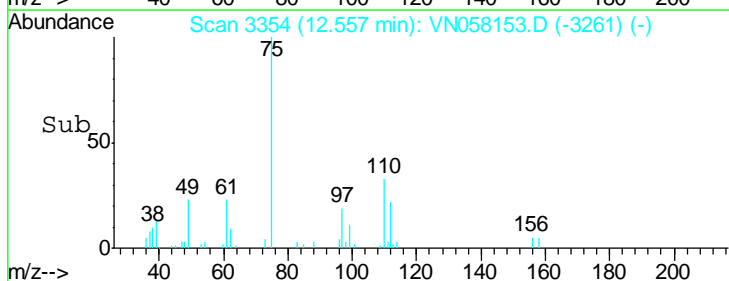
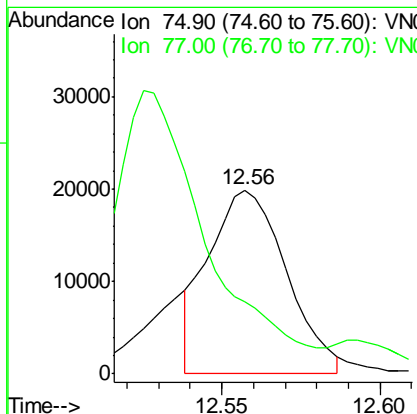
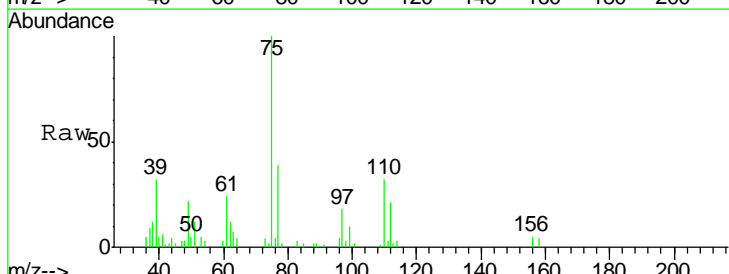
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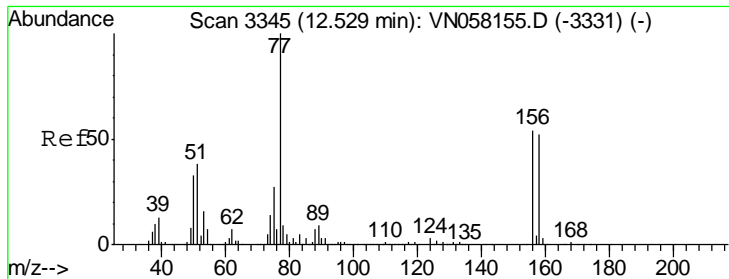
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#76
 1,2,3-Trichloropropane
 Concen: 4.409 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
75	34200		
75	100		
77	0.0	0.0	0.0





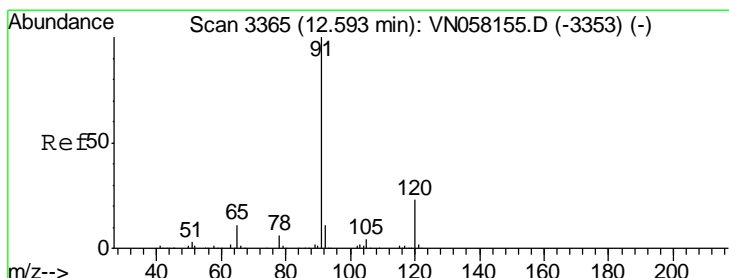
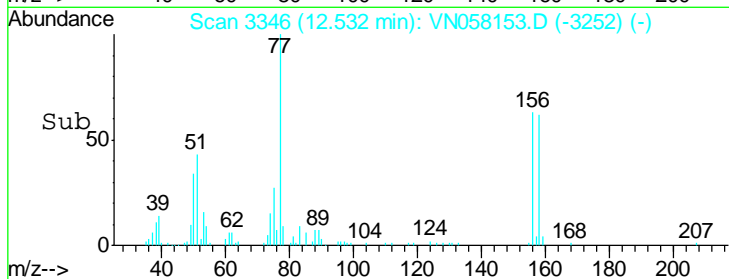
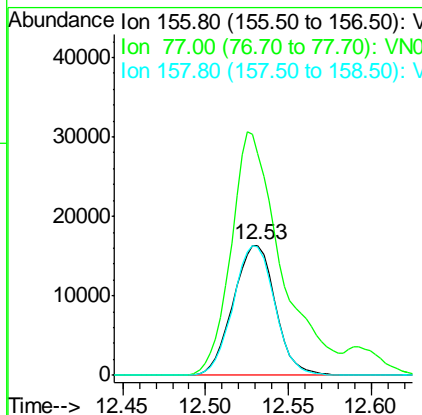
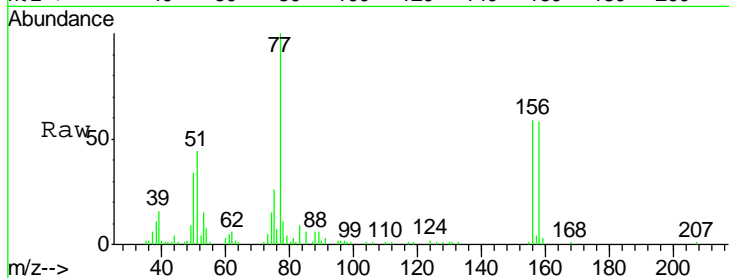
#77
 Bromobenzene
 Concen: 4.312 ug/l
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	28960		
156	100		
77	221.3	111.7	335.1
158	98.1	47.9	143.8

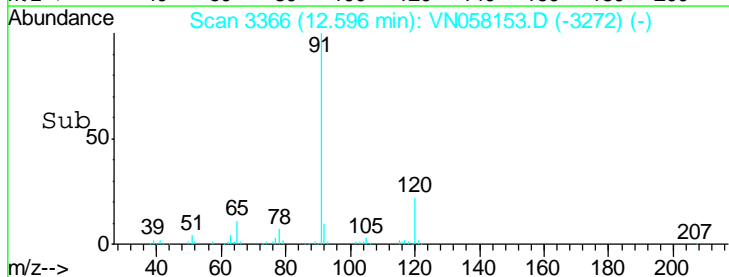
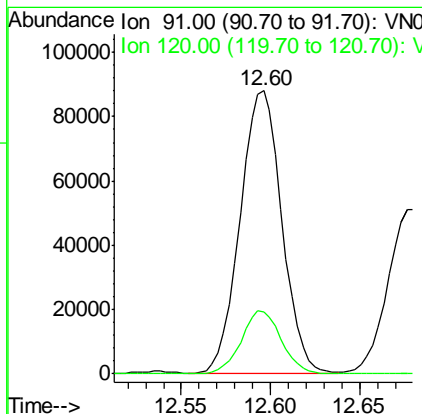
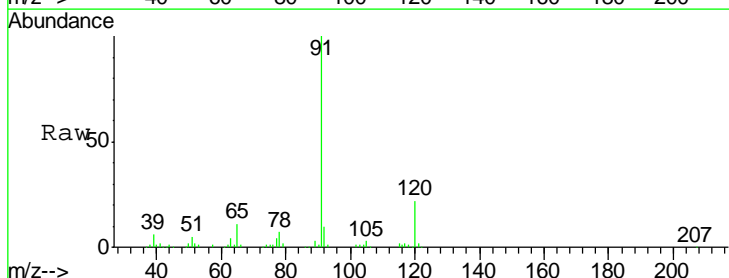
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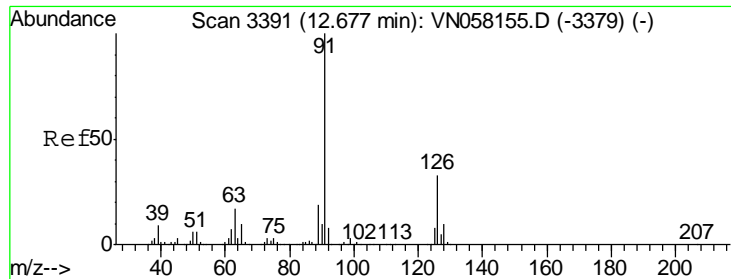
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#78
 n-propylbenzene
 Concen: 4.644 ug/l
 RT: 12.60 min Scan# 3366
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
91	142674		
91	100		
120	21.4	11.1	33.3





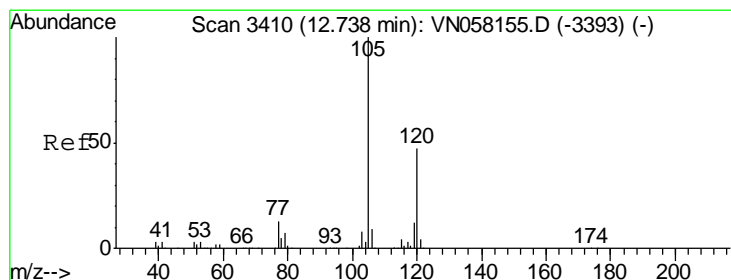
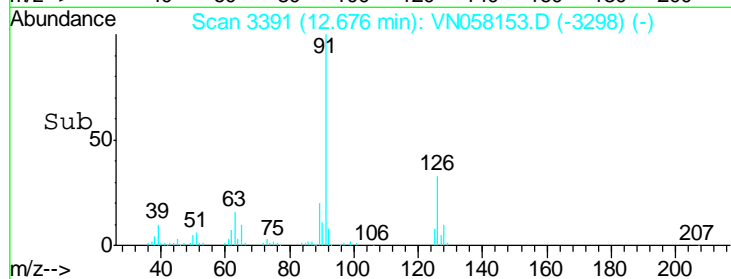
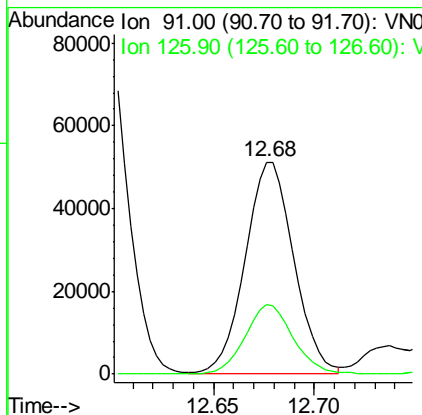
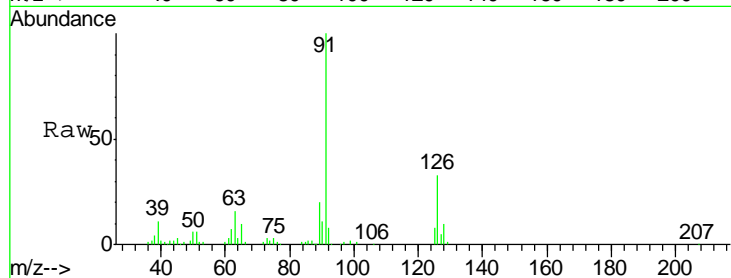
#79
 2-Chlorotoluene
 Concen: 4.418 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
126	32.5	16.4	49.1

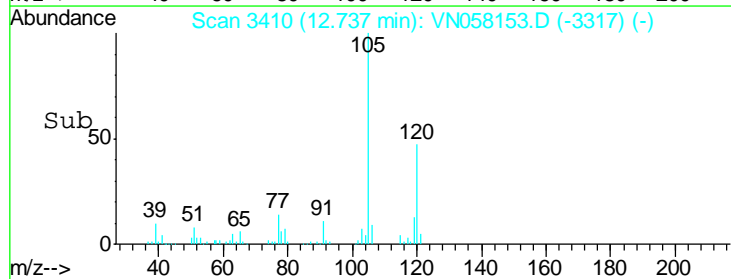
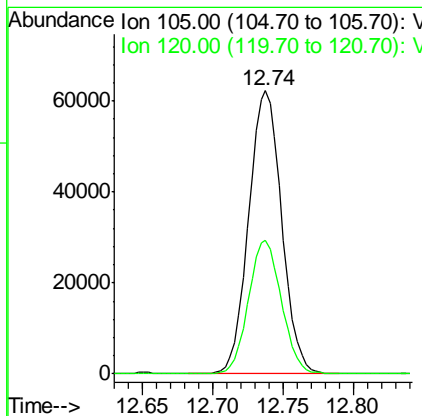
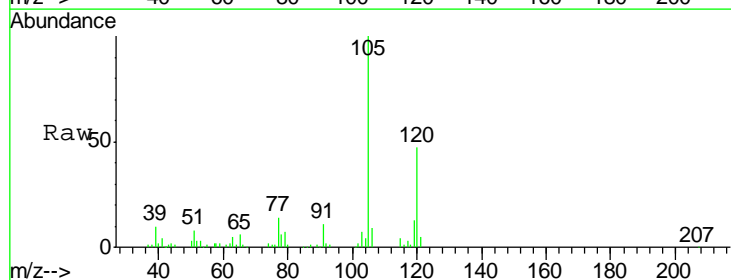
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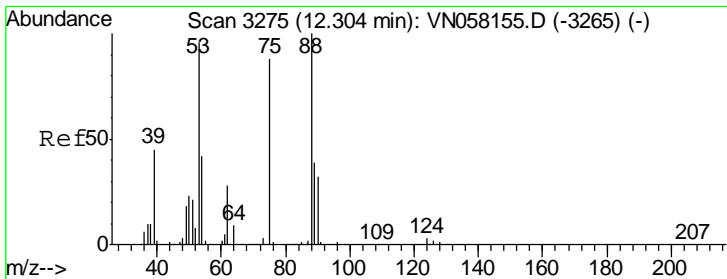
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.499 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
105	100		
120	47.1	23.4	70.0





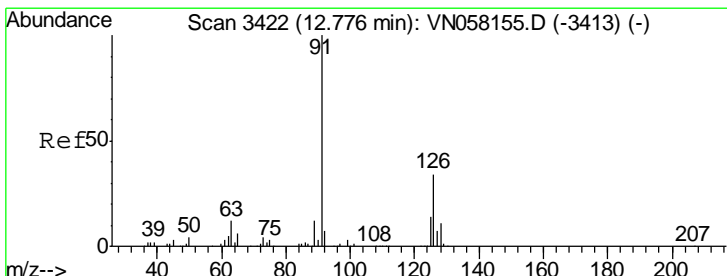
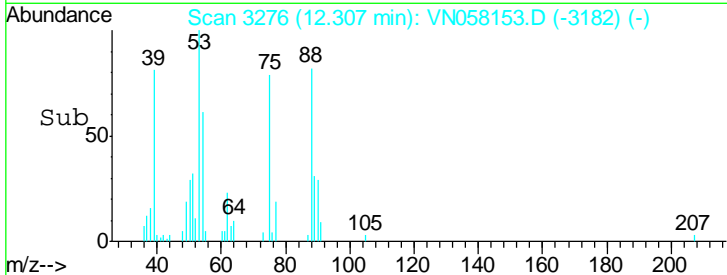
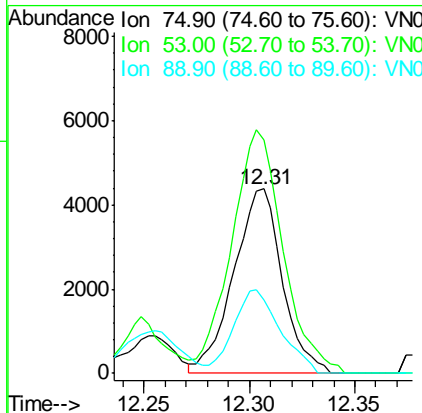
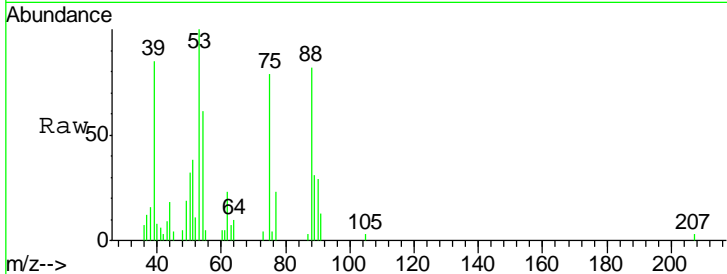
#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.197 ug/l
 RT: 12.31 min Scan# 3276
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	7016		
75	100		
53	140.1	90.1	135.1#
89	43.7	36.2	54.2

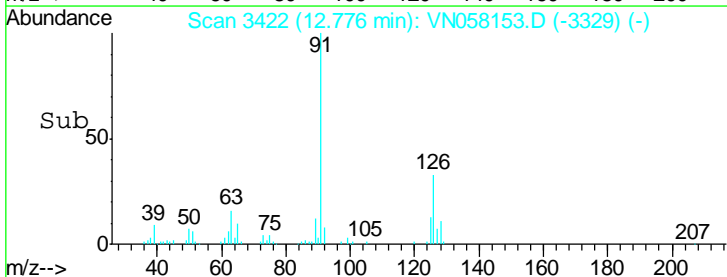
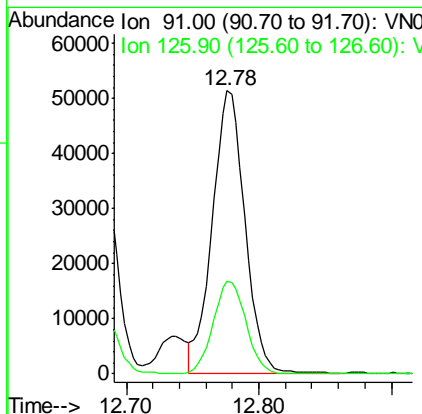
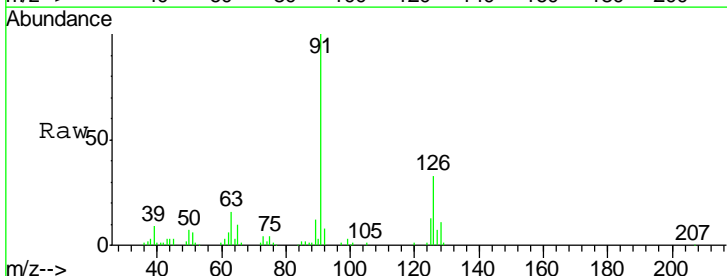
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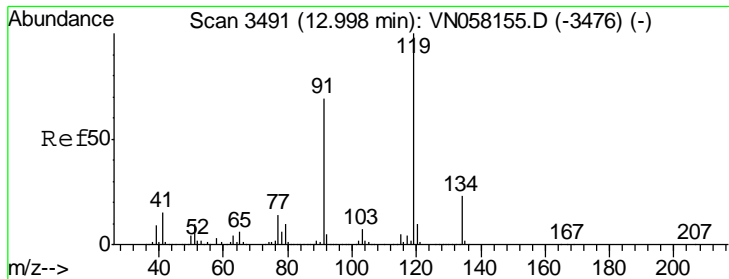
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#82
 4-Chlorotoluene
 Concen: 4.405 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

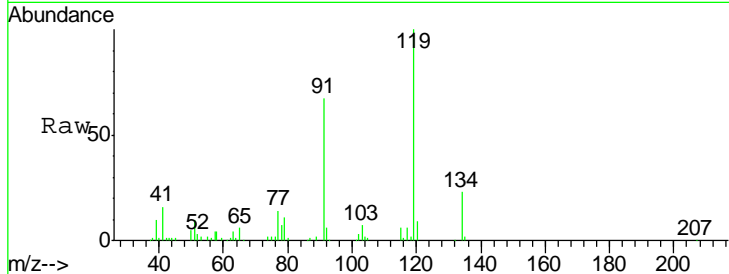
Tgt Ion	Resp	Lower	Upper
91	88058		
91	100		
126	32.8	15.7	47.1





#83
 tert-Butylbenzene
 Concen: 4.390 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

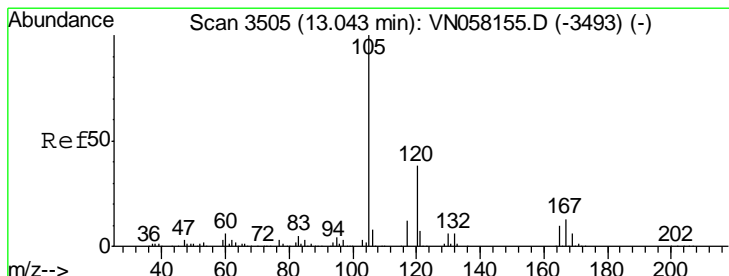
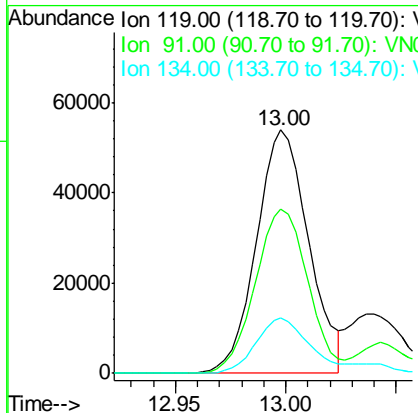
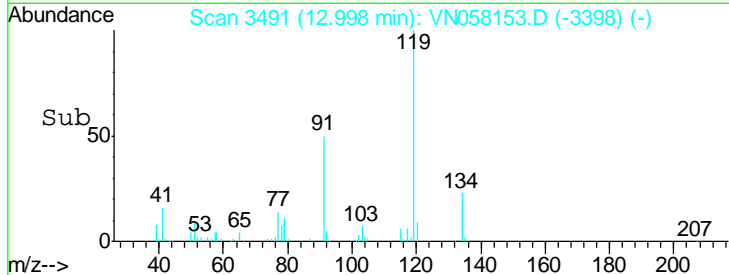
Instrument : MSVOA_N
 ClientSampled : VSTDIC005



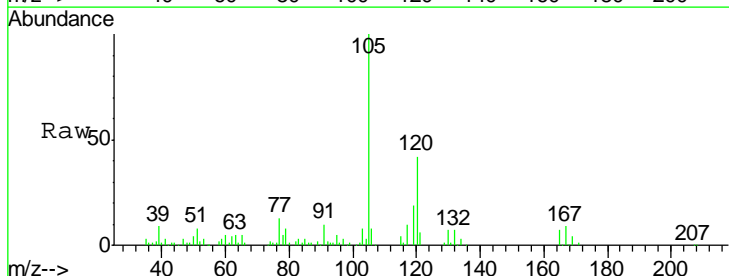
Tgt Ion	Resp	Lower	Upper
119	88391		
91	68.6	33.8	101.3
134	23.1	11.6	34.8

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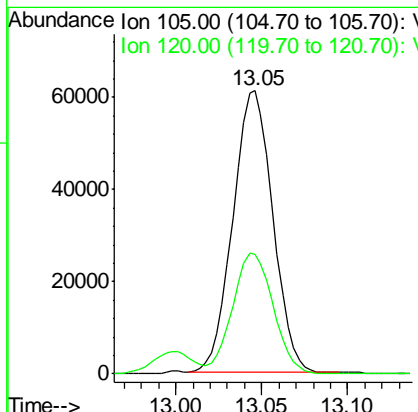
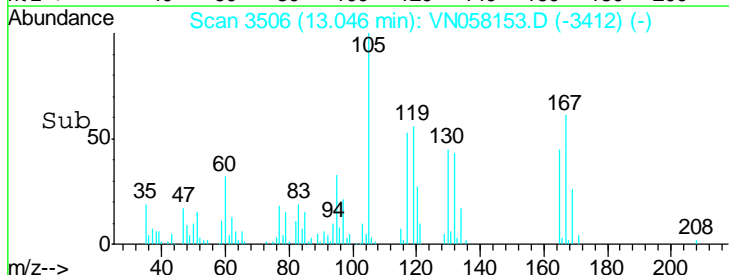
MMDadoda
 9/20/2019 1:14:13 PM

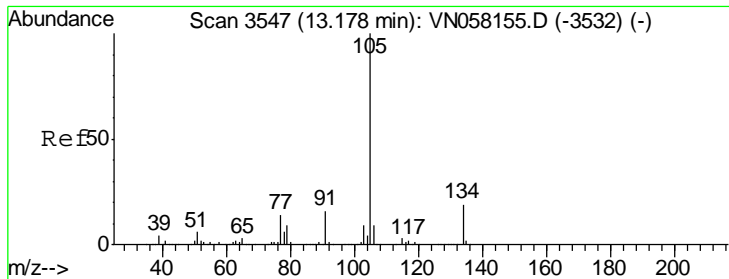


#84
 1,2,4-Trimethylbenzene
 Concen: 4.298 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43



Tgt Ion	Resp	Lower	Upper
105	98703		
120	43.7	22.1	66.5





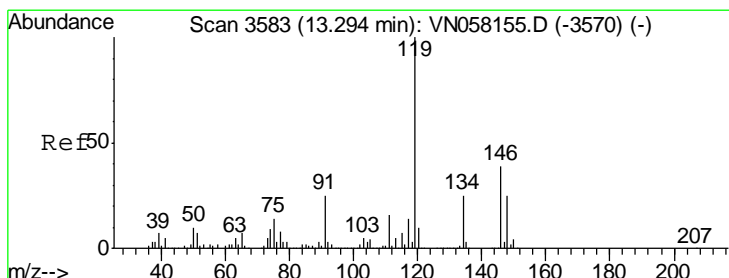
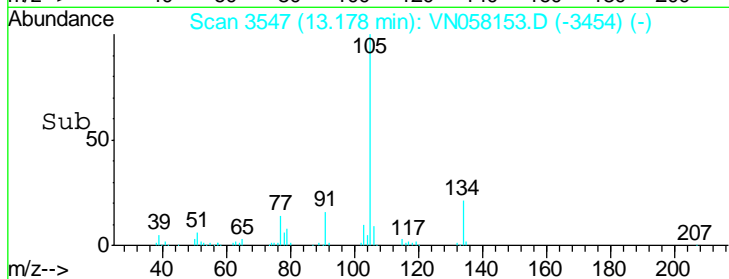
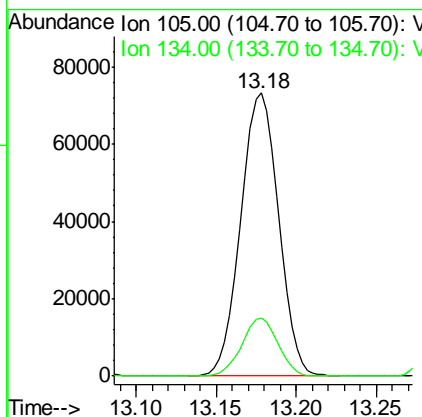
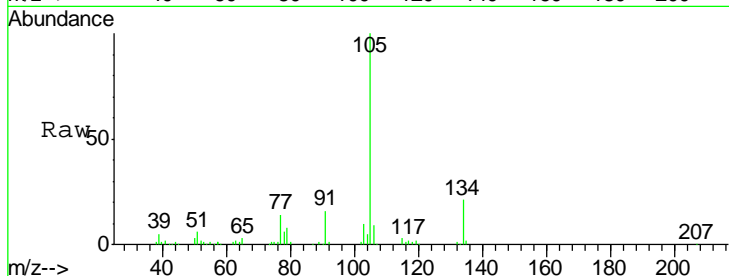
#85
 sec-Butylbenzene
 Concen: 4.428 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	118028		
134	19.5	9.5	28.5

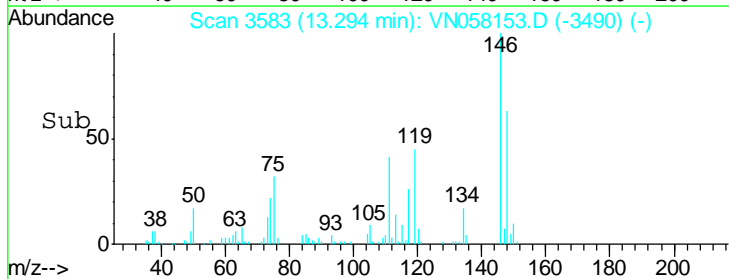
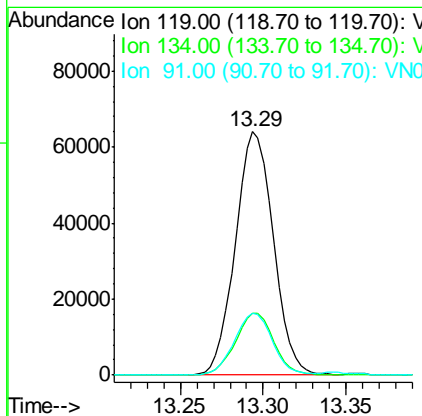
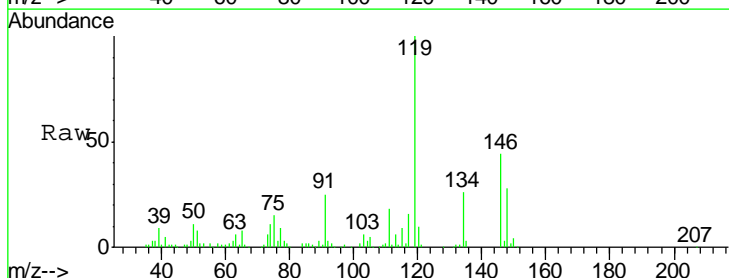
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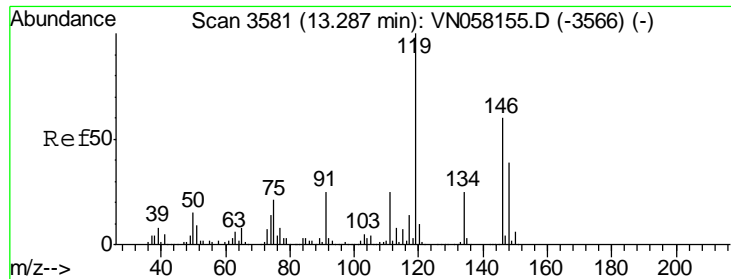
MMDadoda
 9/20/2019 1:14:13 PM



#86
 p-Isopropyltoluene
 Concen: 4.362 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
119	102308		
134	25.5	12.7	38.0
91	25.5	12.3	36.8





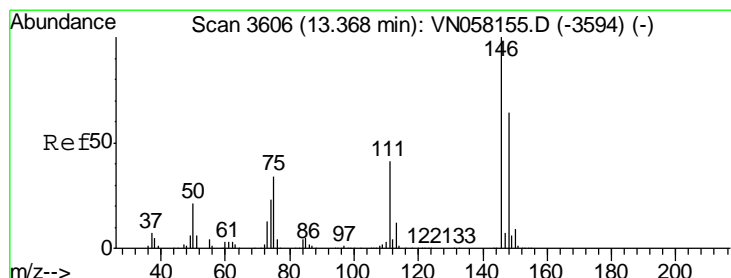
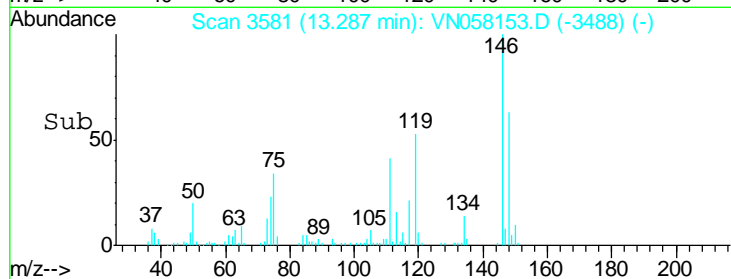
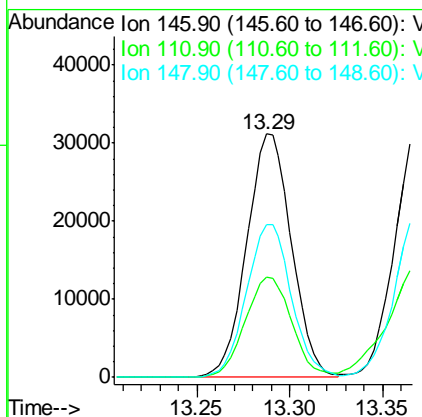
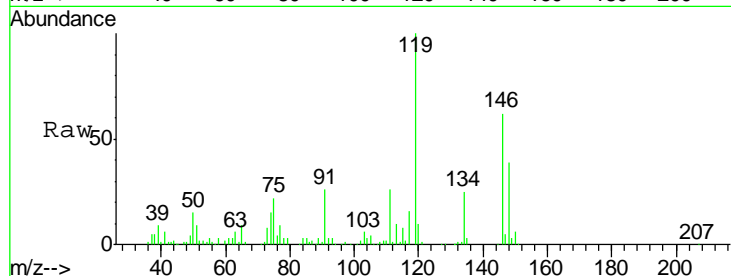
#87
 1,3-Dichlorobenzene
 Concen: 4.283 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	52542		
146	100		
111	42.7	20.9	62.8
148	63.1	32.0	96.2

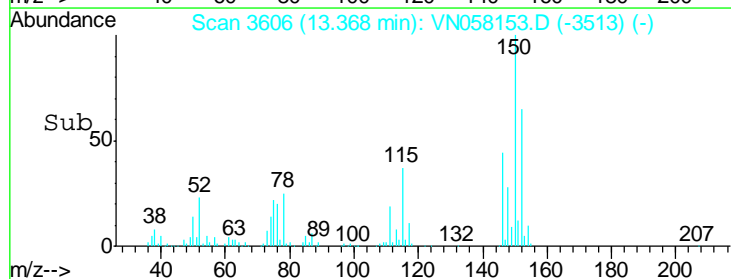
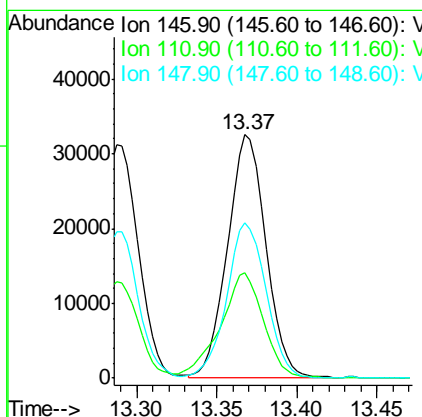
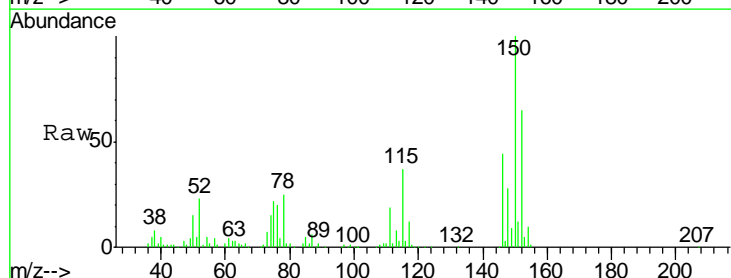
Manual Integrations
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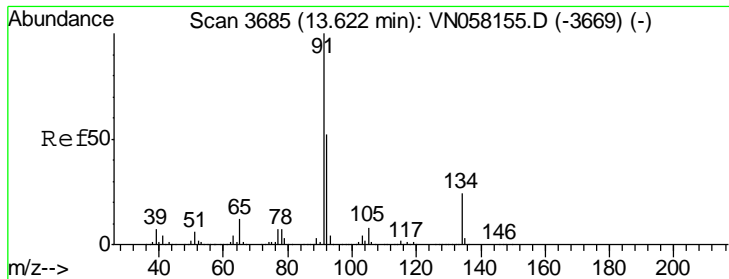
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 9/20/2019 1:14:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.273 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
146	53390		
146	100		
111	48.7	20.5	61.5
148	65.5	31.9	95.5





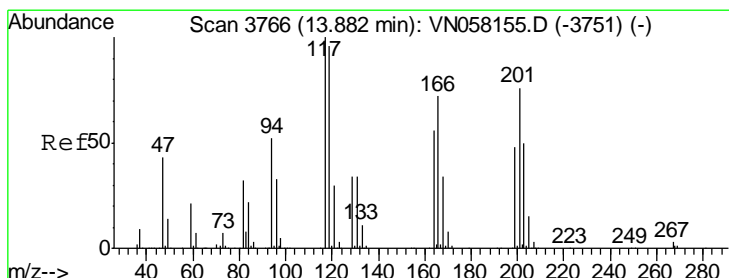
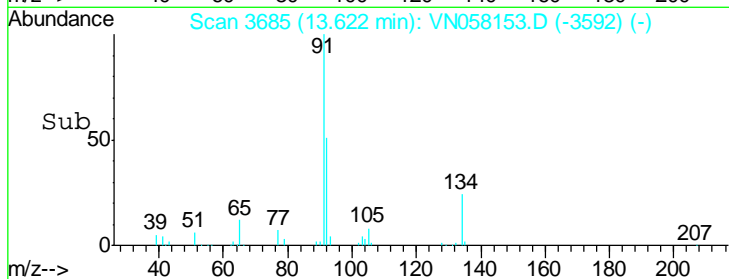
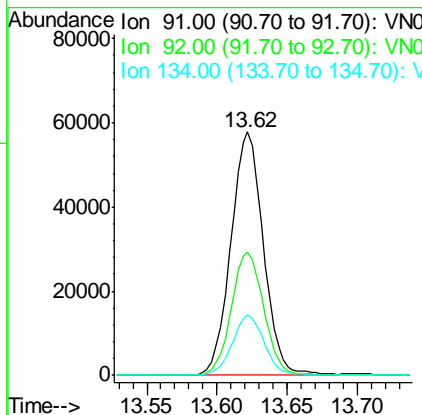
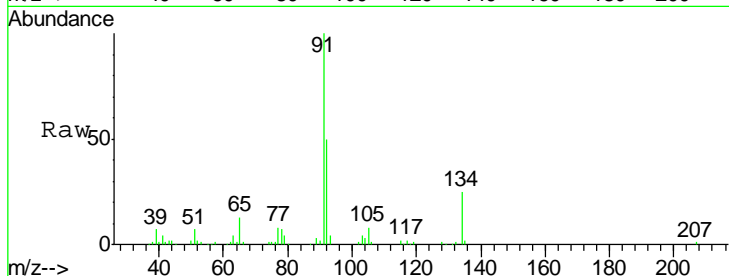
#89
 n-Butylbenzene
 Concen: 4.206 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	50.3	25.7	77.0
134	24.3	11.8	35.4

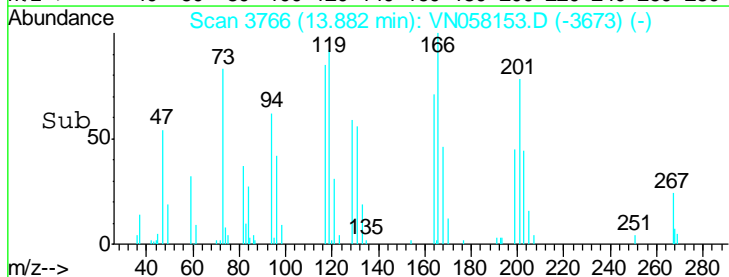
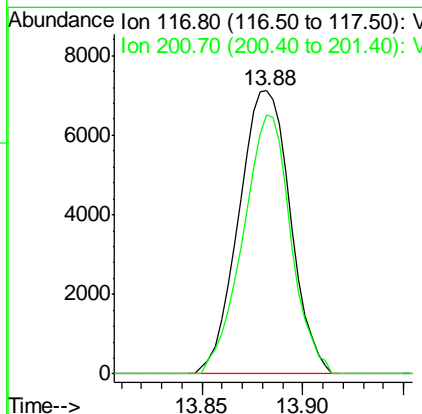
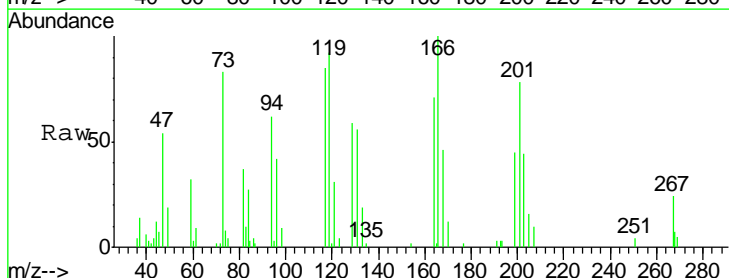
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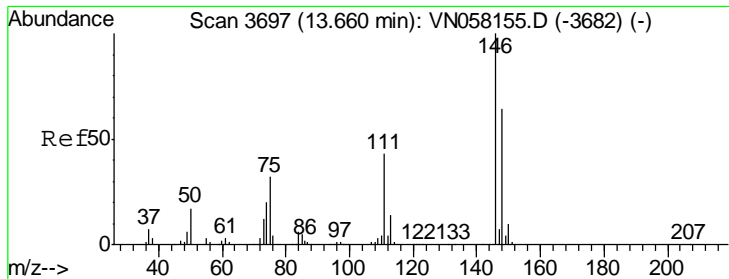
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 9/20/2019 1:14:13 PM



#90
 Hexachloroethane
 Concen: 3.637 ug/l
 RT: 13.88 min Scan# 3766
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
117	100		
201	84.7	37.5	112.5



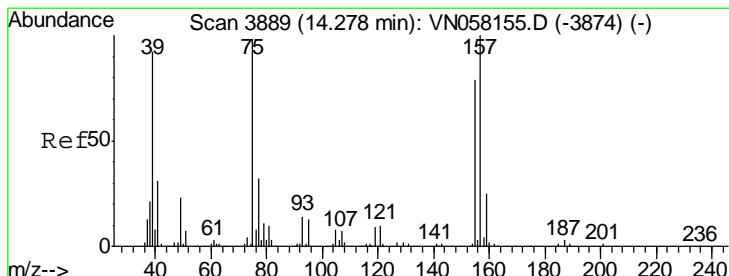
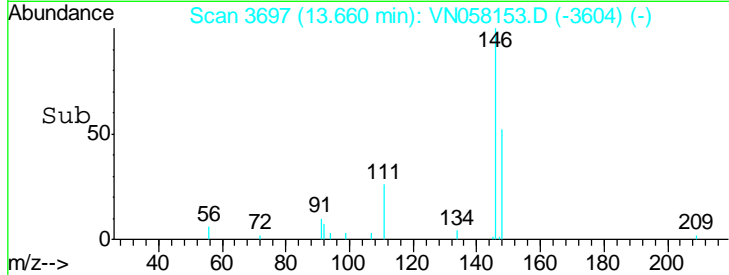
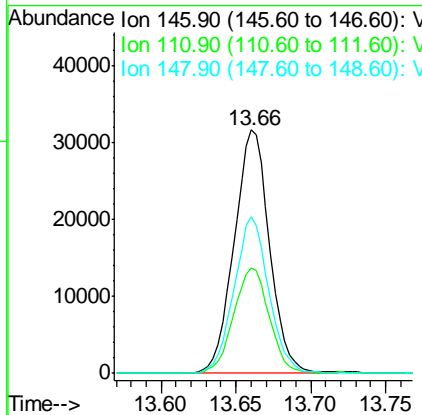
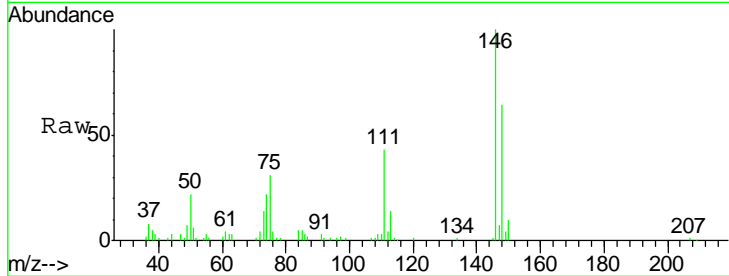


#91
 1,2-Dichlorobenzene
 Concen: 4.237 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

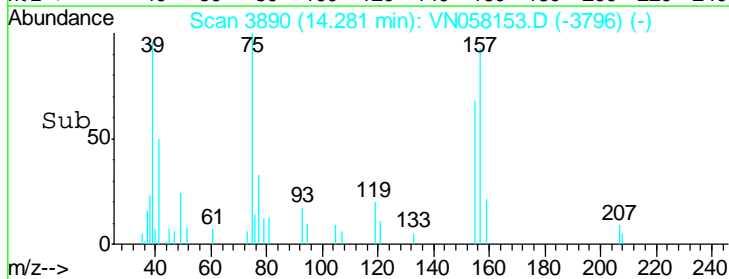
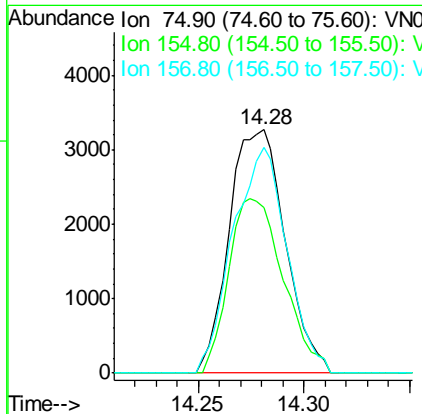
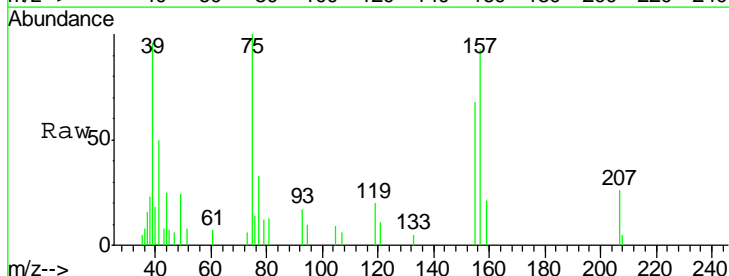
Tgt Ion	Resp	Lower	Upper
146	52063		
146	100		
111	43.3	21.1	63.1
148	63.0	31.8	95.4

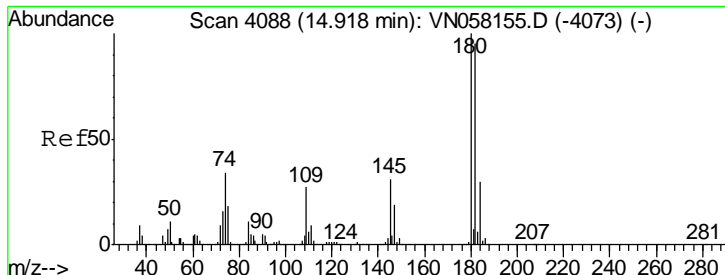
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.026 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
75	6020		
75	100		
155	70.0	38.3	114.8
157	89.4	48.0	144.0





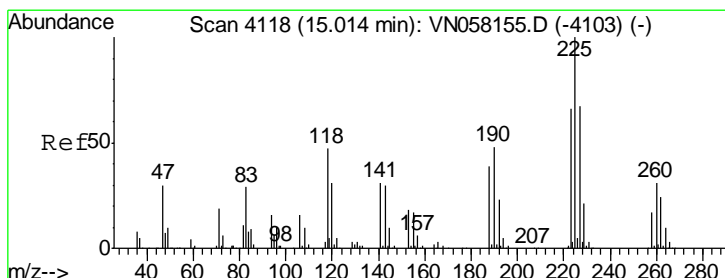
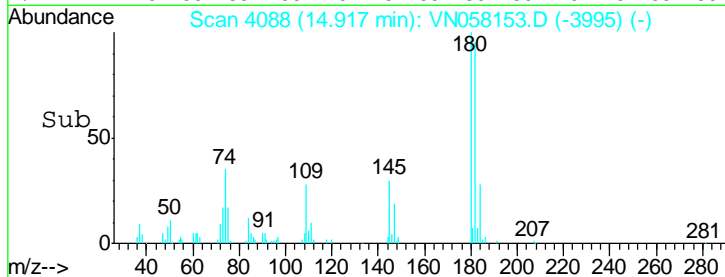
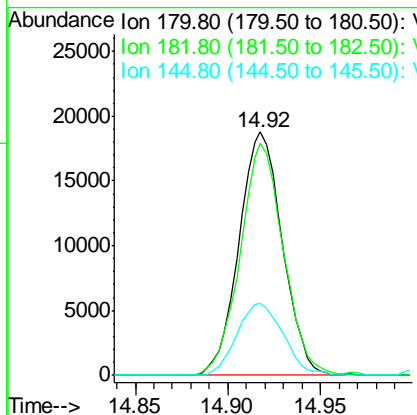
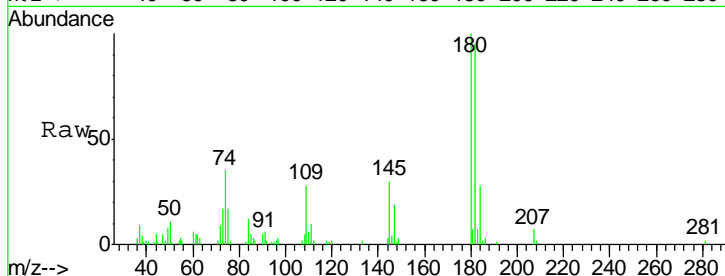
#93
 1,2,4-Trichlorobenzene
 Concen: 3.749 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VN058153.D
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
180	30441		
182	95.1	47.8	143.3
145	31.5	15.4	46.4

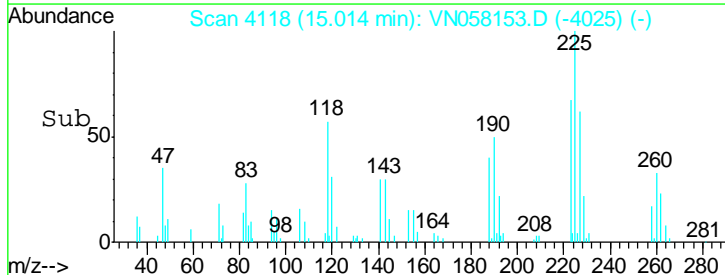
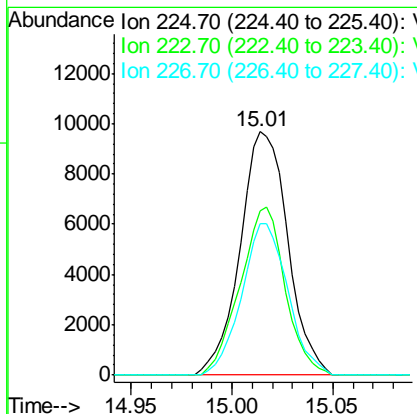
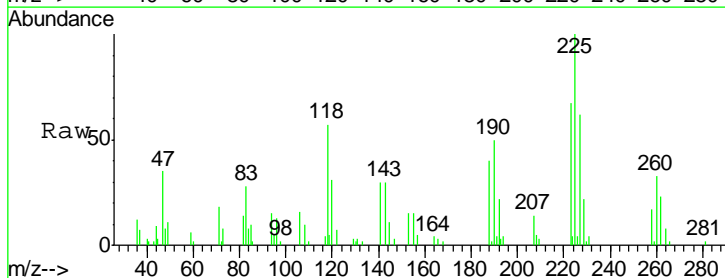
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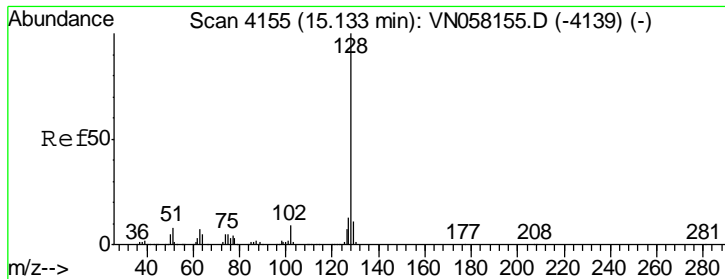
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 9/20/2019 1:14:13 PM



#94
 Hexachlorobutadiene
 Concen: 4.603 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
225	16027		
223	65.1	32.6	97.7
227	60.3	33.0	99.0





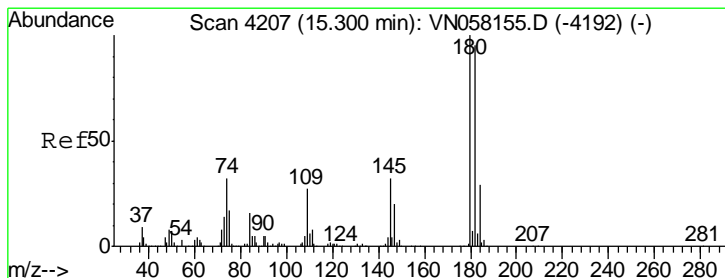
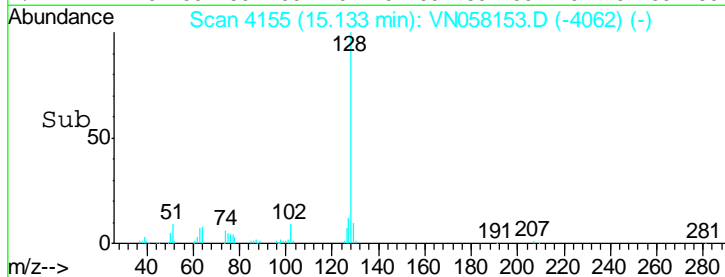
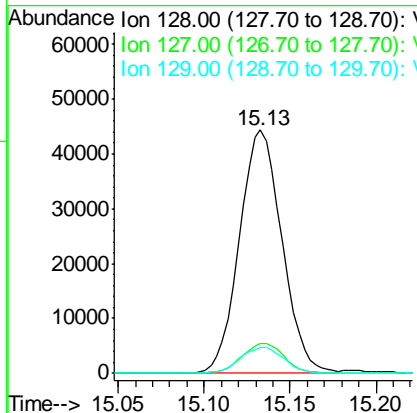
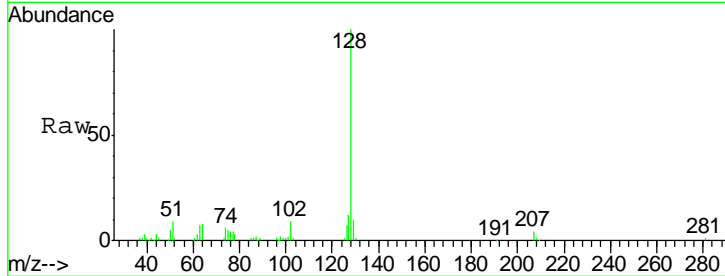
#95
 Naphthalene
 Concen: 3.279 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	11.0	8.6	12.8

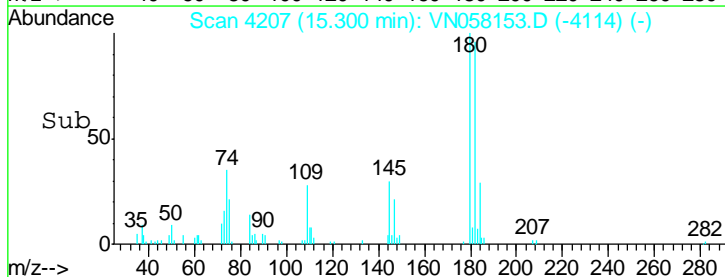
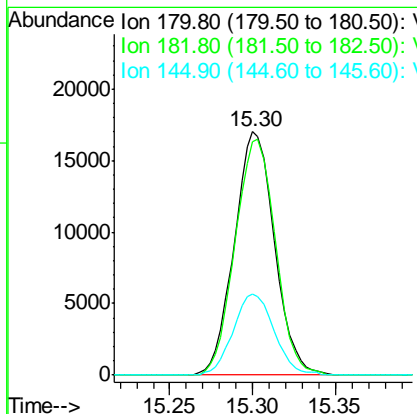
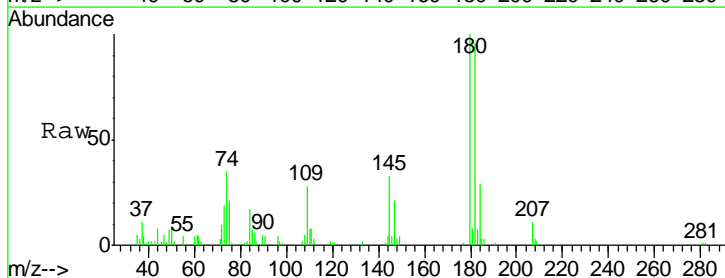
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#96
 1,2,3-Trichlorobenzene
 Concen: 3.621 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.9	47.4	142.2
145	33.8	16.1	48.2



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058154.D
 Acq On : 18 Sep 2019 10:05
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Manual Integrations
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 MMDadoda
 9/20/2019 1:14:19 PM

Quant Time: Sep 19 01:57:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	606946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1008309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	440174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	159773	13.87	ug/l	0.00
Spiked Amount			50.000			
Recovery						27.74%
35) Dibromofluoromethane	7.58	113	114512	13.15	ug/l	0.00
Spiked Amount			50.000			
Recovery						26.30%
50) Toluene-d8	10.08	98	458756	13.64	ug/l	0.00
Spiked Amount			50.000			
Recovery						27.28%
62) 4-Bromofluorobenzene	12.40	95	162426	12.56	ug/l	0.00
Spiked Amount			50.000			
Recovery						25.12%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95642	12.334	ug/l	97
3) Chloromethane	2.04	50	79516	10.120	ug/l	96
4) Vinyl Chloride	2.17	62	85467	10.289	ug/l	100
5) Bromomethane	2.55	94	42088	8.575	ug/l	97
6) Chloroethane	2.69	64	57661	10.836	ug/l	96
7) Trichlorofluoromethane	3.00	101	126842	12.004	ug/l	100
8) Diethyl Ether	3.39	74	57621	12.829	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92481	13.697	ug/l	99
10) Methyl Iodide	3.93	142	73573	10.278	ug/l	98
11) Tert butyl alcohol	4.76	59	95412	69.643	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	75284	12.435	ug/l	95
13) Acrolein	3.59	56	13119	12.664	ug/l #	64
14) Allyl chloride	4.30	41	146514	12.306	ug/l	100
15) Acrylonitrile	4.96	53	263852	68.573	ug/l	100
16) Acetone	3.79	43	276694	73.158	ug/l	99
17) Carbon Disulfide	4.03	76	96733	8.765	ug/l	99
18) Methyl Acetate	4.30	43	140672	13.897	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	356388	14.069	ug/l	99
20) Methylene Chloride	4.53	84	102719	12.495	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	80248	12.261	ug/l	99
22) Diisopropyl ether	5.93	45	390939	14.003	ug/l	97
23) Vinyl Acetate	5.87	43	1384687	70.389	ug/l	100
24) 1,1-Dichloroethane	5.83	63	208116	13.659	ug/l	99
25) 2-Butanone	6.82	43	382334	69.792	ug/l	99
26) 2,2-Dichloropropane	6.81	77	169944	14.055	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	115458	13.099	ug/l	98
28) Bromochloromethane	7.18	49	90834	11.937	ug/l #	100
29) Tetrahydrofuran	7.19	42	233479	69.158	ug/l	98
30) Chloroform	7.36	83	219260	13.725	ug/l	99
31) Cyclohexane	7.64	56	146204	13.026	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	173745	13.724	ug/l	99
36) 1,1-Dichloropropene	7.78	75	132011	12.047	ug/l	99
37) Ethyl Acetate	6.91	43	145684	12.826	ug/l	99
38) Carbon Tetrachloride	7.76	117	133548	13.293	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058154.D
 Acq On : 18 Sep 2019 10:05
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Manual Integrations
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 9/20/2019 1:14:19 PM

Quant Time: Sep 19 01:57:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	133723	11.638	ug/l	98
40) Benzene	8.03	78	420246	12.738	ug/l	99
41) Methacrylonitrile	7.15	41	64778m	12.578	ug/l	
42) 1,2-Dichloroethane	8.11	62	176296	13.317	ug/l	99
43) Isopropyl Acetate	8.15	43	264044	13.818	ug/l #	90
44) Trichloroethene	8.82	130	102026	12.573	ug/l	99
45) 1,2-Dichloropropane	9.11	63	130085	13.500	ug/l	97
46) Dibromomethane	9.20	93	77649	13.349	ug/l	99
47) Bromodichloromethane	9.39	83	163545	14.120	ug/l	97
48) Methyl methacrylate	9.19	41	125292	13.000	ug/l	99
49) 1,4-Dioxane	9.19	88	39571	241.614	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	802896	71.812	ug/l	98
52) Toluene	10.15	92	264689	12.752	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	166170	13.651	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	182758	13.591	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	122551	13.921	ug/l	97
56) Ethyl methacrylate	10.43	69	173920	13.187	ug/l	98
57) 1,3-Dichloropropane	10.71	76	207784	13.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	386214	62.769	ug/l	98
59) 2-Hexanone	10.75	43	575541	68.852	ug/l	99
60) Dibromochloromethane	10.90	129	114510	14.029	ug/l	98
61) 1,2-Dibromoethane	11.00	107	111438	13.426	ug/l	99
64) Tetrachloroethene	10.63	164	80680	12.529	ug/l	100
65) Chlorobenzene	11.43	112	306469	13.481	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	113492	14.351	ug/l	99
67) Ethyl Benzene	11.51	91	540334	13.576	ug/l	100
68) m/p-Xylenes	11.62	106	401832	27.572	ug/l	98
69) o-Xylene	11.95	106	195694	13.548	ug/l	99
70) Styrene	11.97	104	348035	14.003	ug/l	99
71) Bromoform	12.13	173	70504	14.353	ug/l #	100
73) Isopropylbenzene	12.25	105	562516	17.052	ug/l	99
74) N-amyl acetate	12.07	43	230089	16.117	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	185115	16.677	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	152394m	15.956	ug/l	
77) Bromobenzene	12.53	156	134686	16.288	ug/l	96
78) n-propylbenzene	12.60	91	653621	17.280	ug/l	99
79) 2-Chlorotoluene	12.68	91	391160	16.321	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	481047	17.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41883	15.501	ug/l	93
82) 4-Chlorotoluene	12.78	91	409025	16.617	ug/l	99
83) tert-Butylbenzene	13.00	119	422052	17.022	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	482120	17.048	ug/l	100
85) sec-Butylbenzene	13.18	105	563329	17.165	ug/l	99
86) p-Isopropyltoluene	13.29	119	507686	17.581	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	254001	16.816	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	249452	16.214	ug/l	97
89) n-Butylbenzene	13.62	91	469149	17.144	ug/l	100
90) Hexachloroethane	13.88	117	72531	16.794	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	253674	16.765	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	32818	17.826	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058154.D
 Acq On : 18 Sep 2019 10:05
 Operator : JC/SP
 Sample : VSTDICC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC020

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 19 01:57:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	157929	15.796	ug/l	100
94) Hexachlorobutadiene	15.01	225	80346	18.743	ug/l	97
95) Naphthalene	15.13	128	424679	14.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	149361	15.273	ug/l	100

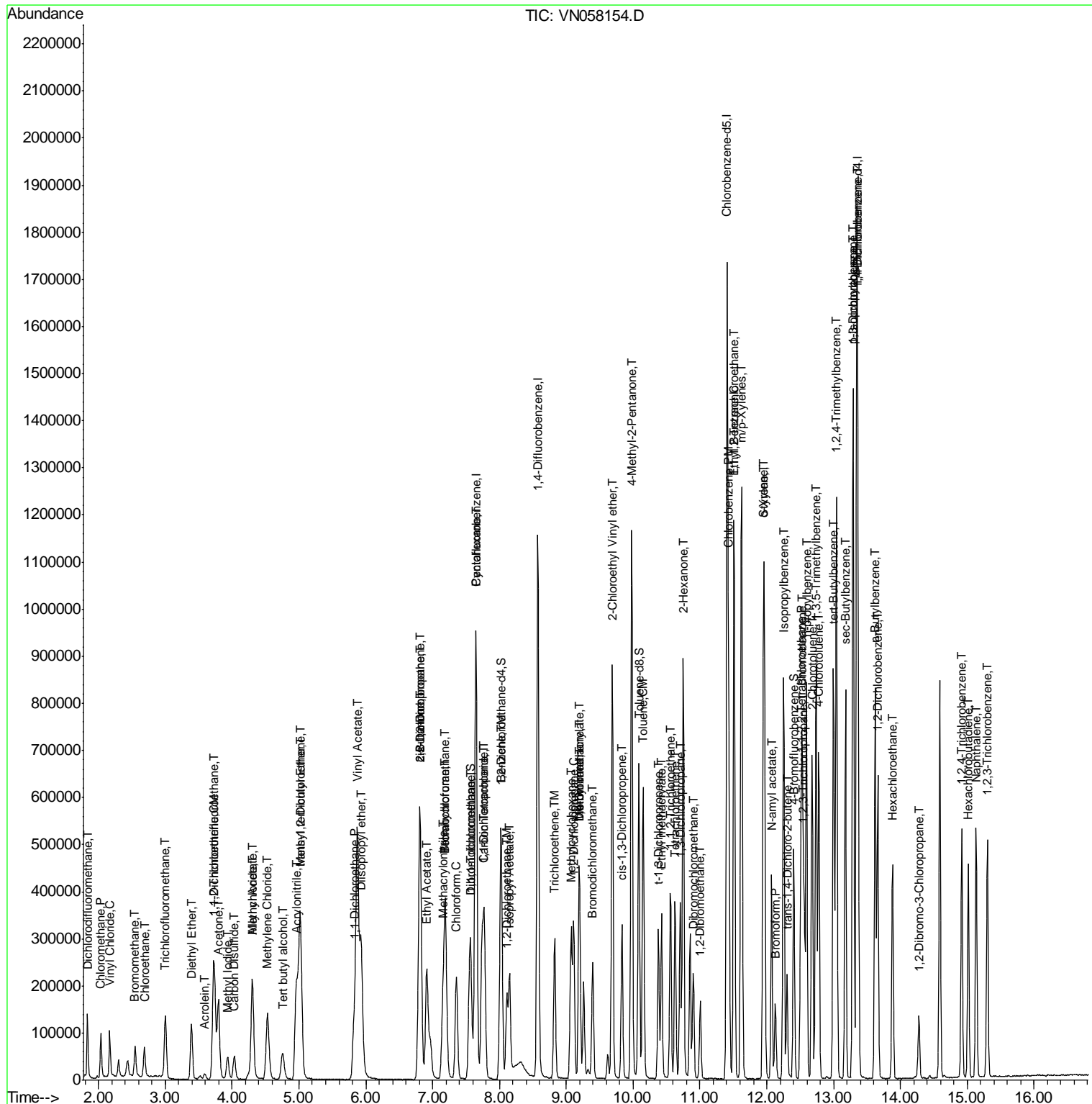
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
Data File : VN058154.D
Acq On : 18 Sep 2019 10:05
Operator : JC/SP
Sample : VSTDIC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

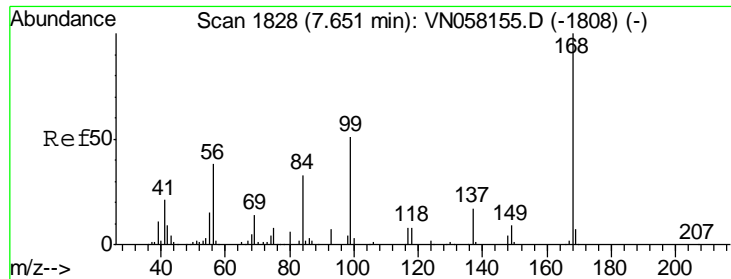
Instrument : MSVOA_N
Client Sampled : VSTDIC020

Manual Integrations APPROVED
MMDadoda
9/20/2019 1:14:19 PM

Quant Time: Sep 19 01:57:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 01:40:20 2019
Response via : Initial Calibration



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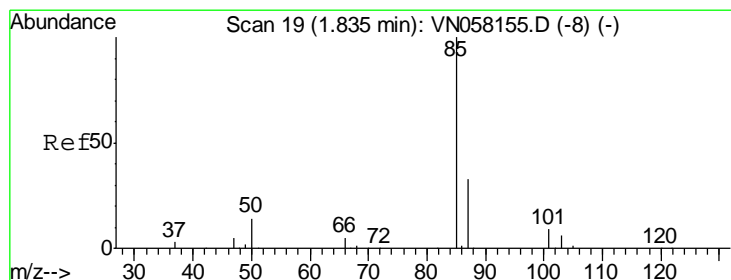
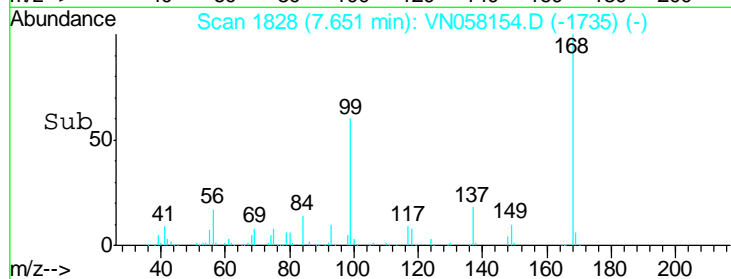
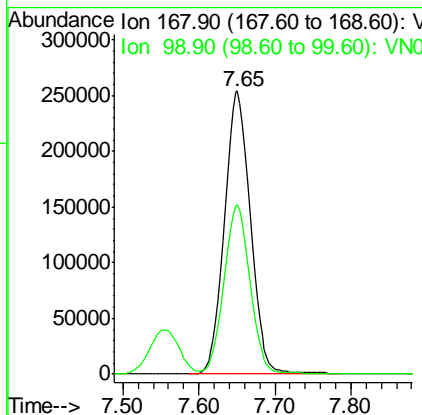
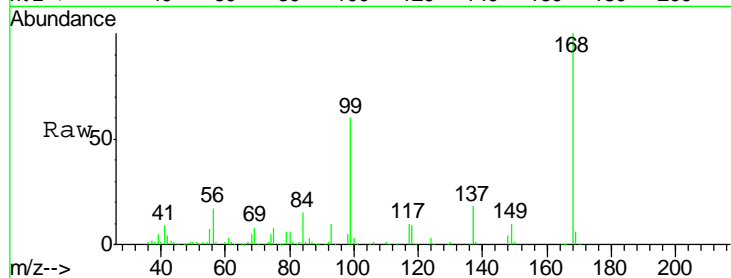
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	100		
99	59.9	47.4	71.2

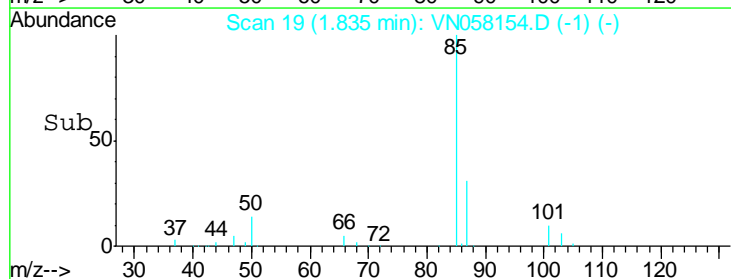
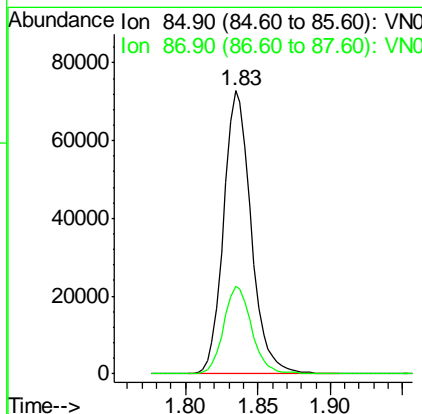
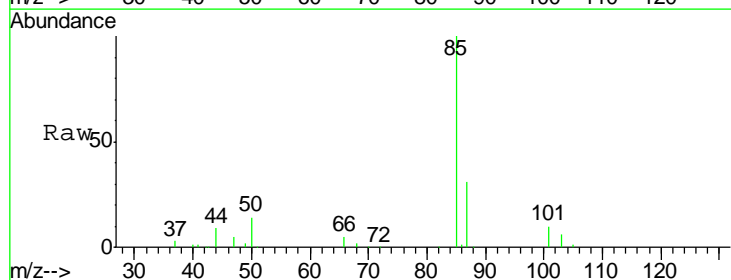
Manual Integrations
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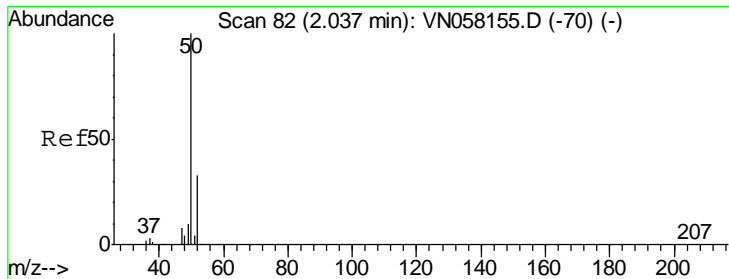
MMDadoda
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#2
 Dichlorodifluoromethane
 Concen: 12.334 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.0	16.3	48.9





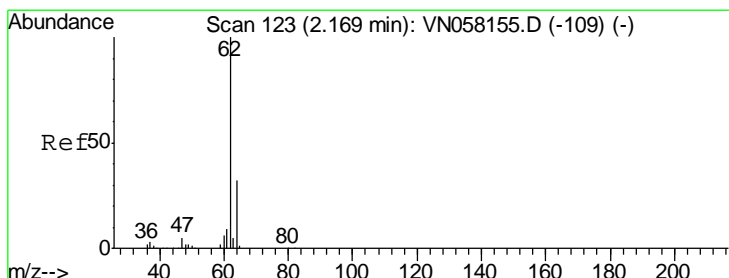
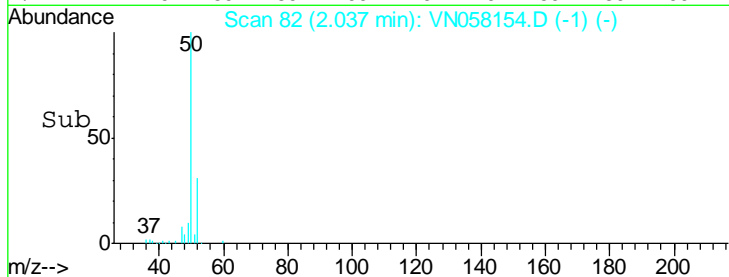
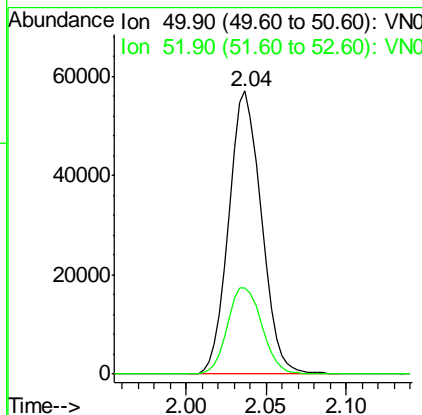
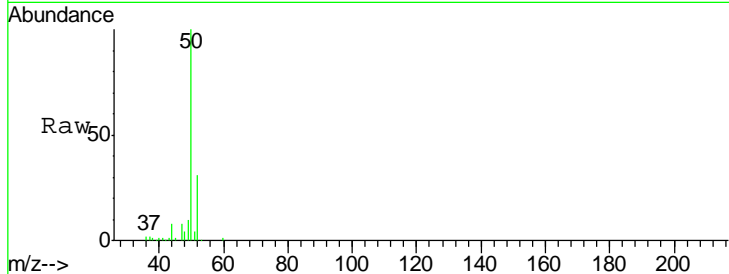
#3
 Chloromethane
 Concen: 10.120 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
50	100		
52	30.7	26.3	39.5

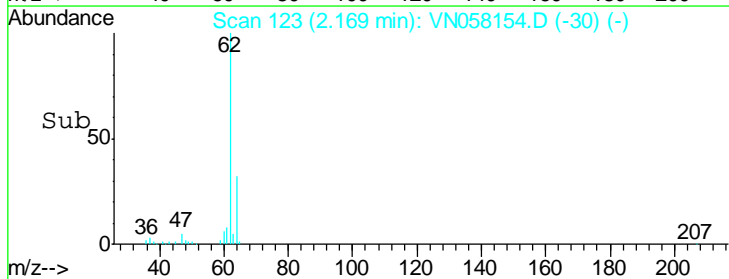
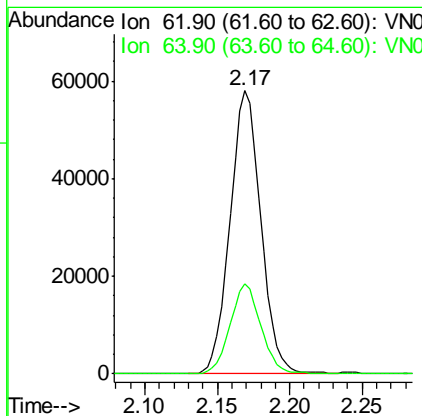
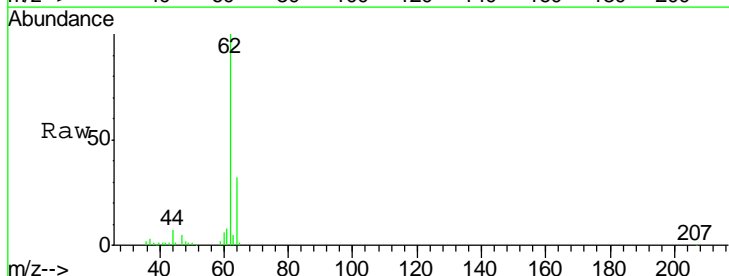
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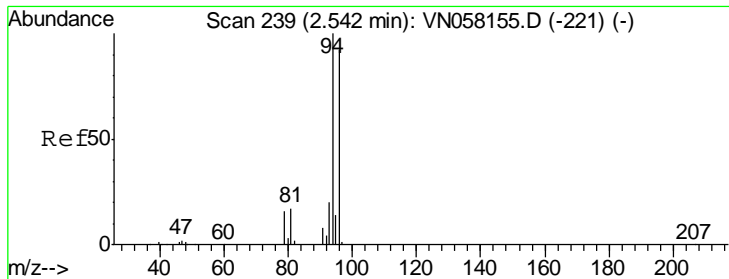
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#4
 Vinyl Chloride
 Concen: 10.289 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.6	25.4	38.2





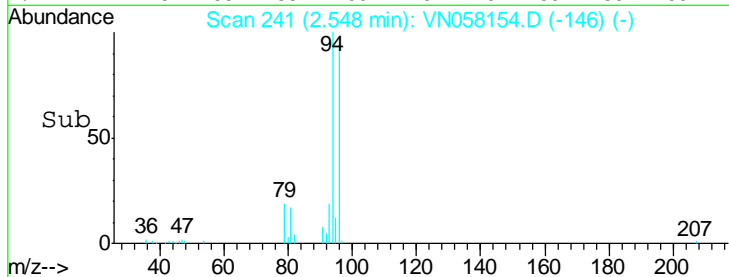
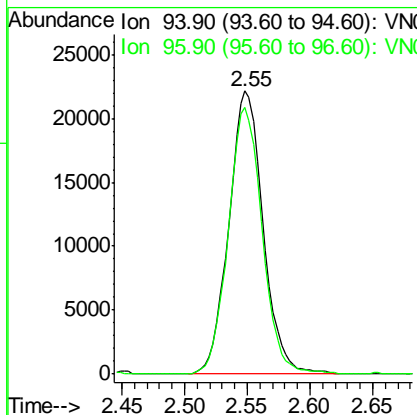
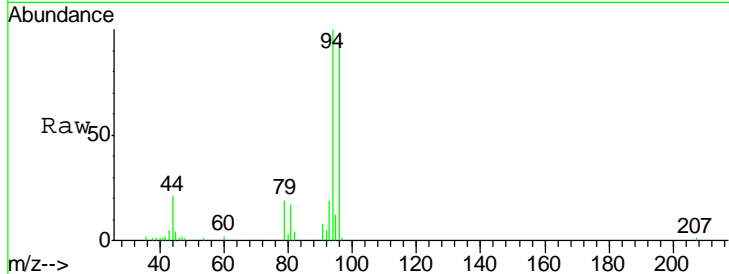
#5
 Bromomethane
 Concen: 8.575 ug/l
 RT: 2.55 min Scan# 241
 Delta R.T. 0.01 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
94	42088		
94	100		
96	94.4	73.3	109.9

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

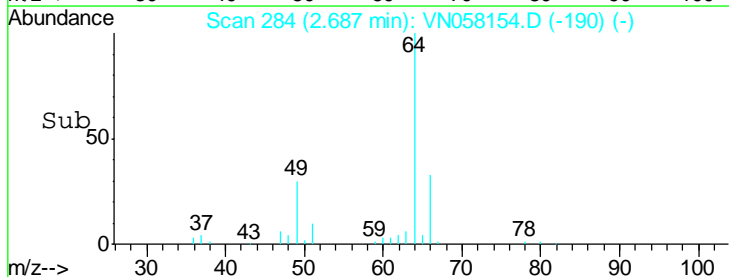
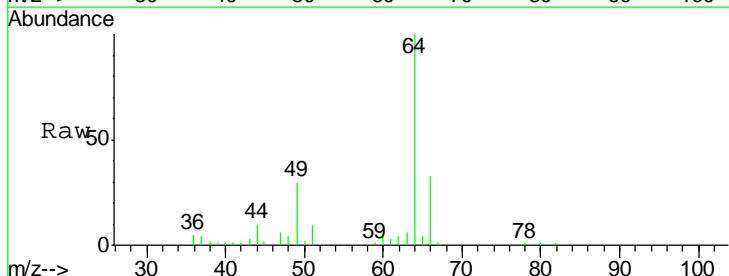
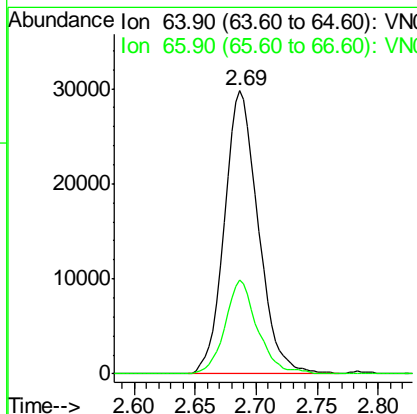
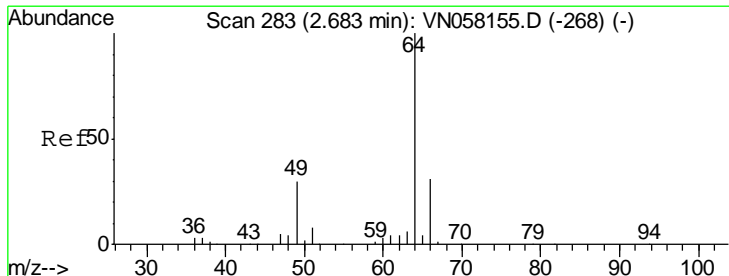
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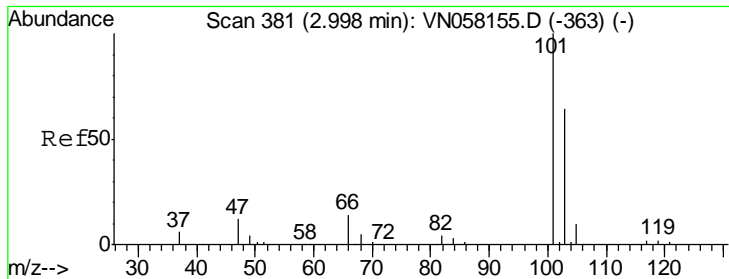
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#6
 Chloroethane
 Concen: 10.836 ug/l
 RT: 2.69 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
64	57661		
64	100		
66	33.1	24.6	37.0





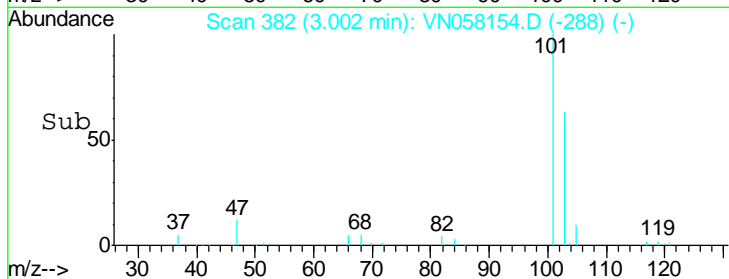
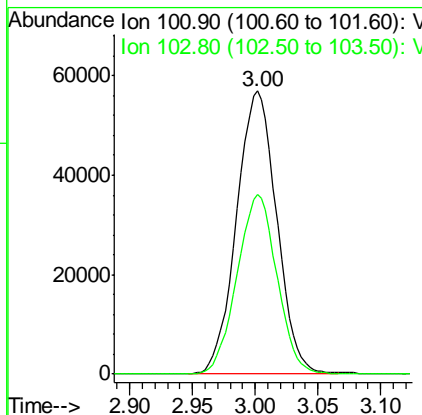
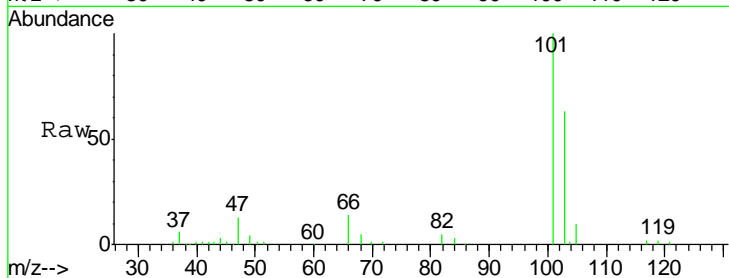
#7
 Trichlorofluoromethane
 Concen: 12.004 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	126842		
103	63.5	51.0	76.6

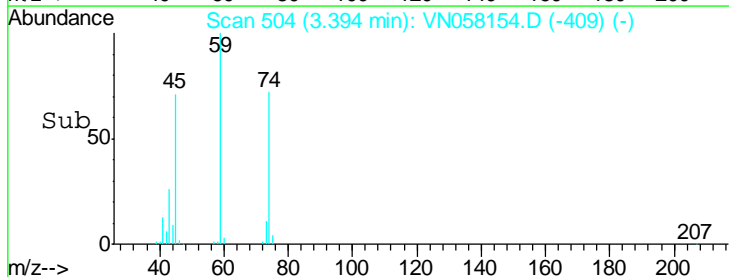
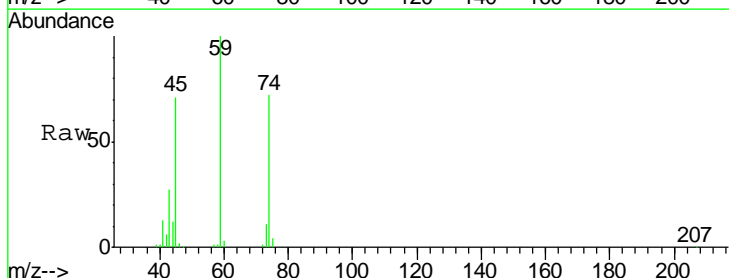
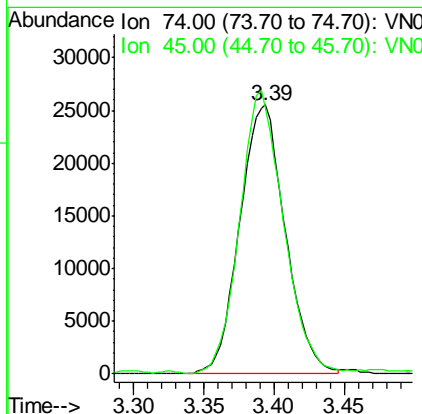
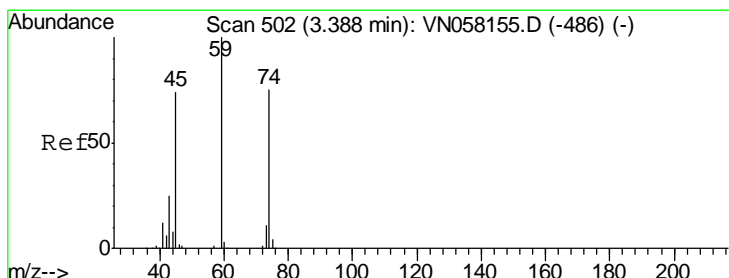
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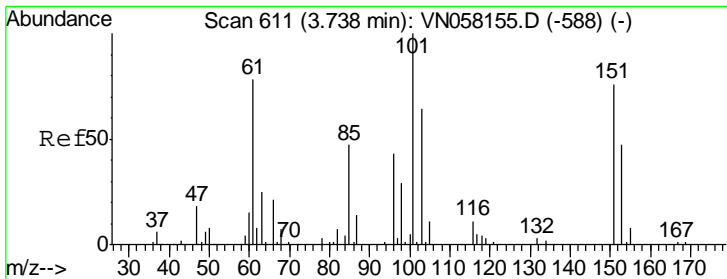
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#8
 Diethyl Ether
 Concen: 12.829 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

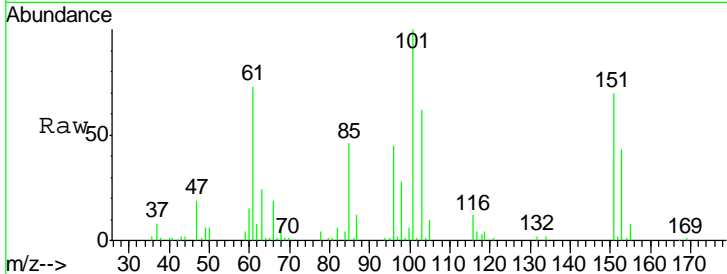
Tgt Ion	Resp	Lower	Upper
74	57621		
45	102.1	48.5	145.5





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.697 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

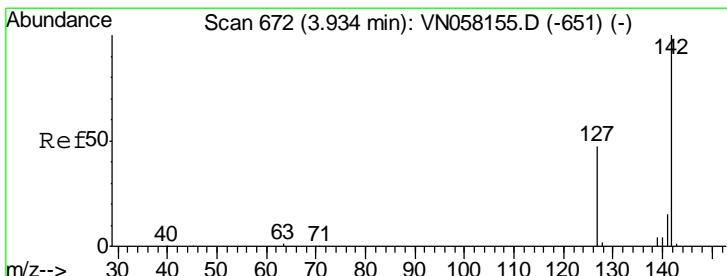
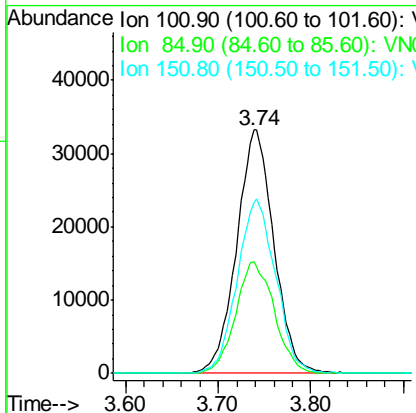
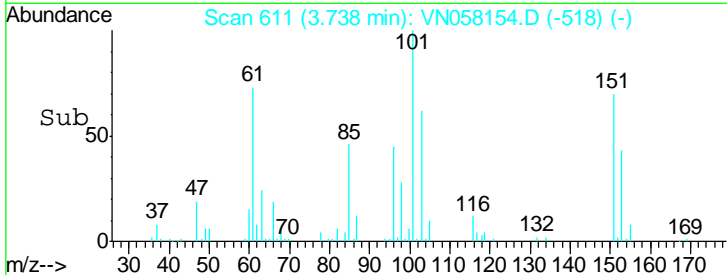


Tgt Ion: 101 Resp: 92481

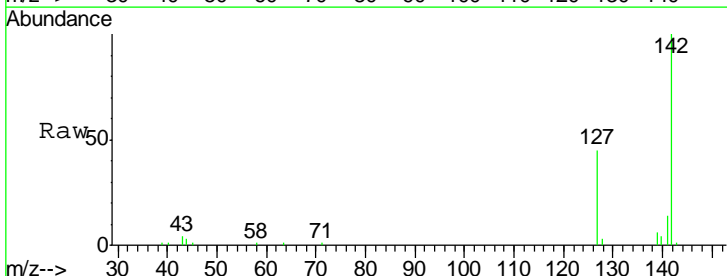
Ion	Ratio	Lower	Upper
101	100		
85	47.3	37.3	55.9
151	73.6	59.6	89.4

Manual Integrations
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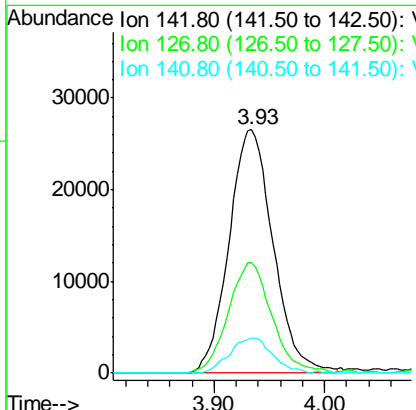
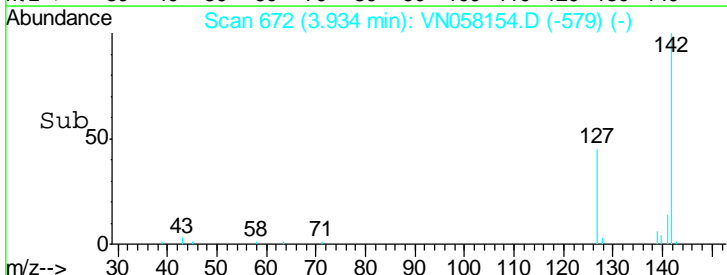


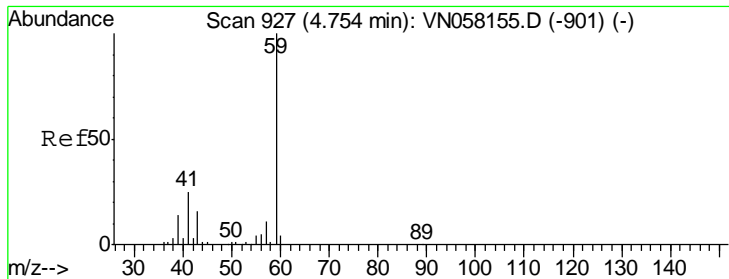
#10
 Methyl Iodide
 Concen: 10.278 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05



Tgt Ion: 142 Resp: 73573

Ion	Ratio	Lower	Upper
142	100		
127	44.9	37.5	56.3
141	14.0	11.4	17.2





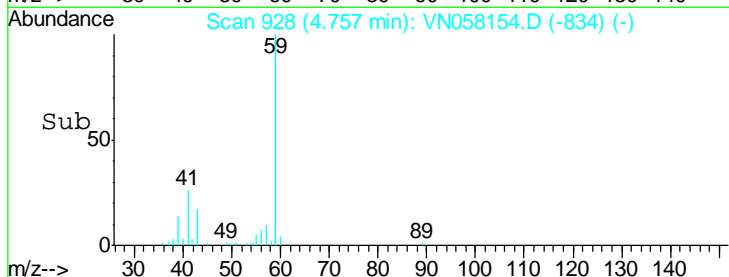
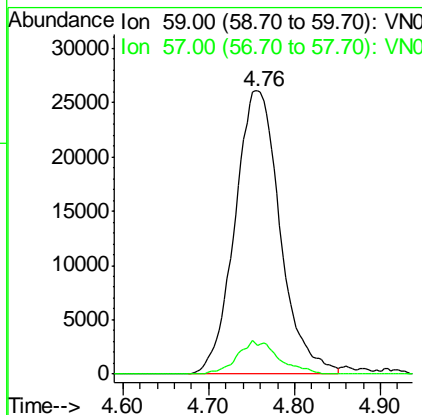
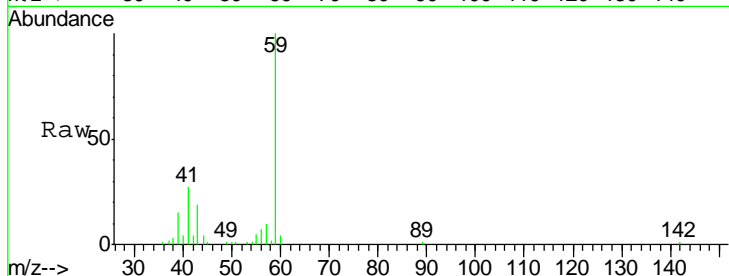
#11
 Tert butyl alcohol
 Concen: 69.643 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
59	100		
57	5.5	8.6	13.0#

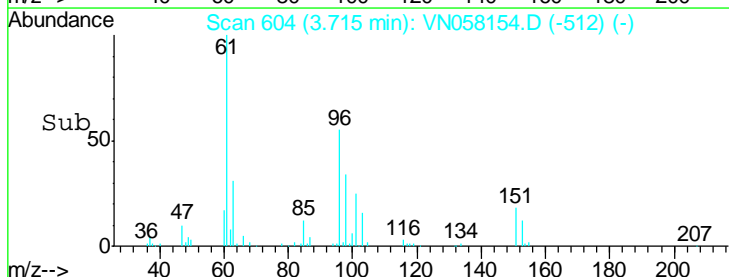
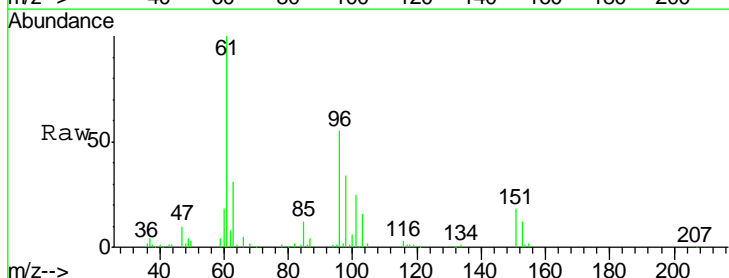
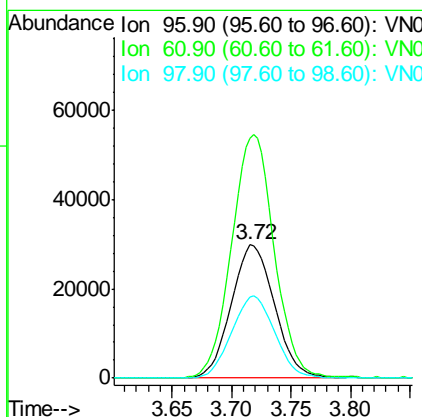
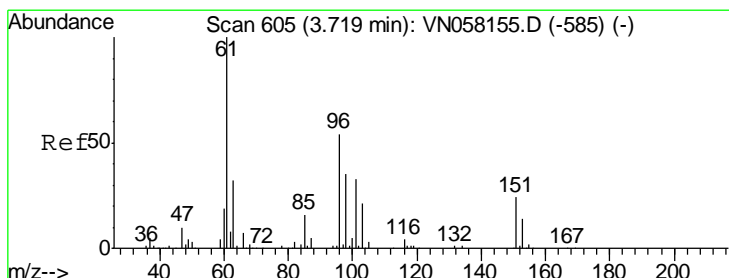
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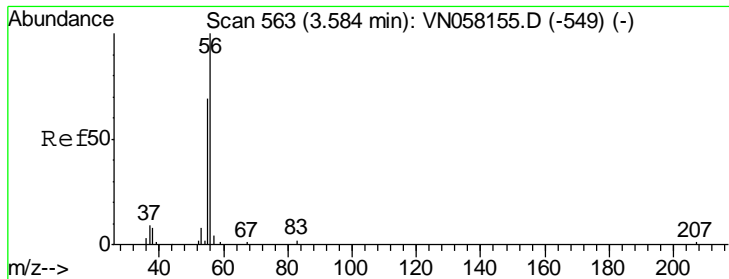
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#12
 1,1-Dichloroethene
 Concen: 12.435 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
96	100		
61	179.9	149.5	224.3
98	60.9	52.4	78.6





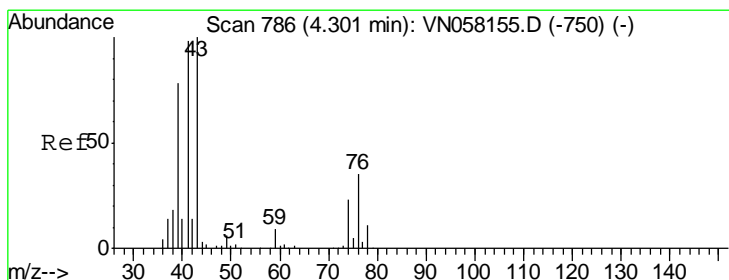
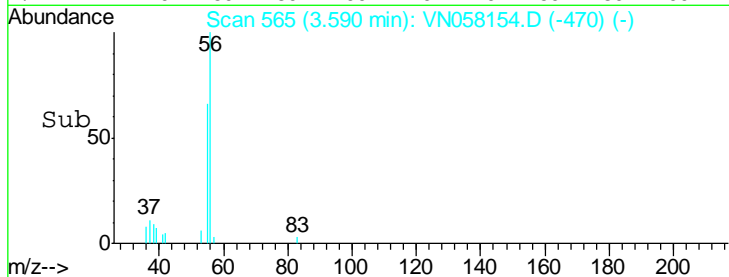
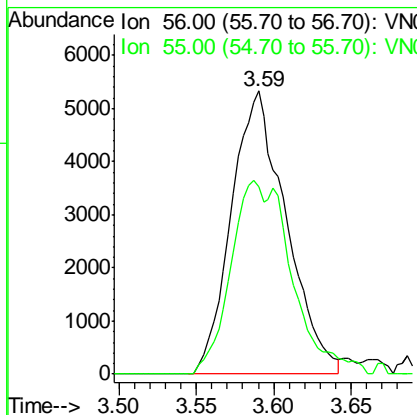
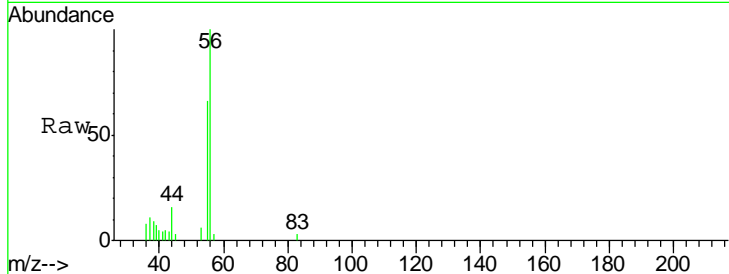
#13
 Acrolein
 Concen: 12.664 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	13119		
56	100		
55	40.8	56.1	84.1#

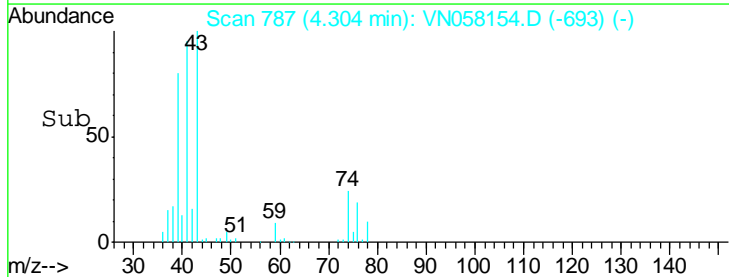
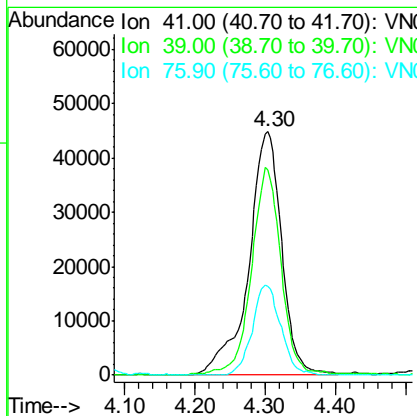
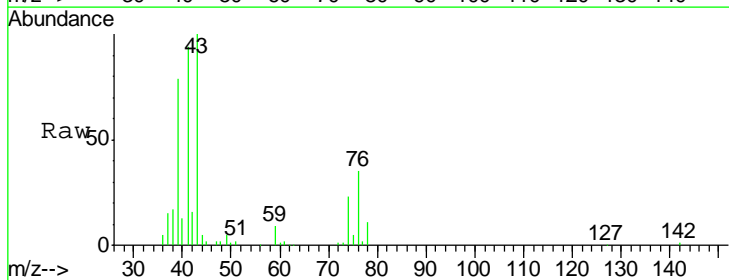
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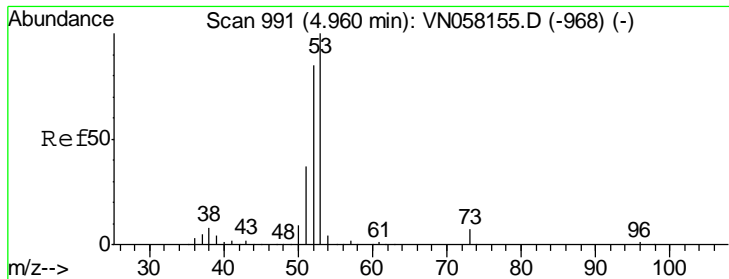
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#14
 Allyl chloride
 Concen: 12.306 ug/l
 RT: 4.30 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
41	146514		
41	100		
39	73.5	59.1	88.7
76	31.4	25.1	37.7





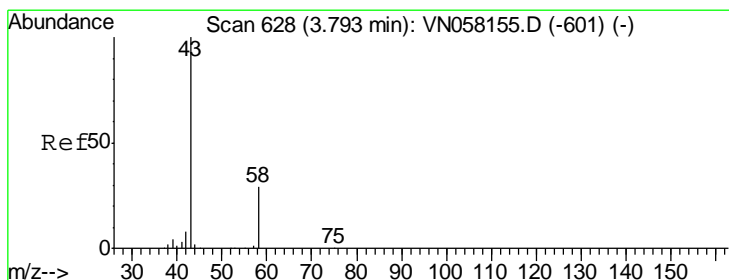
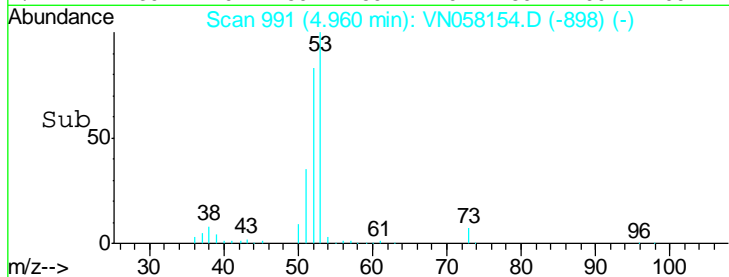
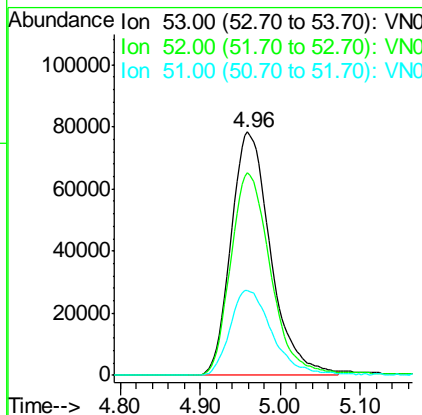
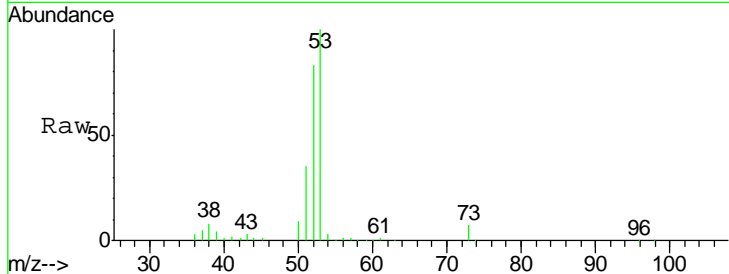
#15
 Acrylonitrile
 Concen: 68.573 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	37.2	29.7	44.5

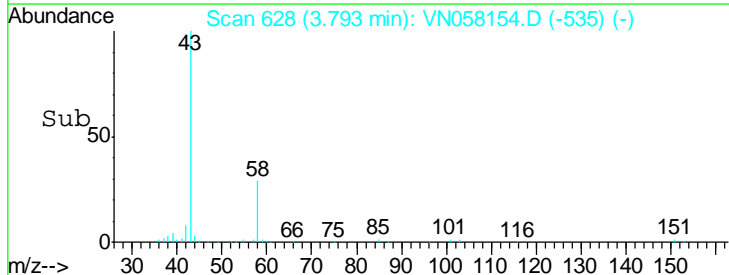
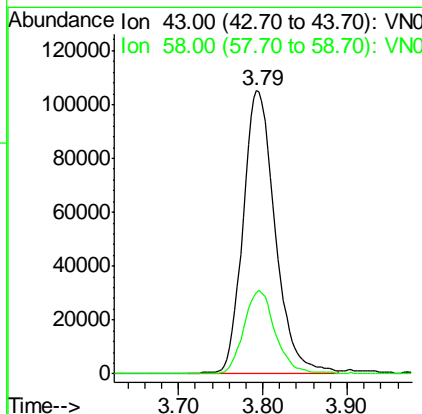
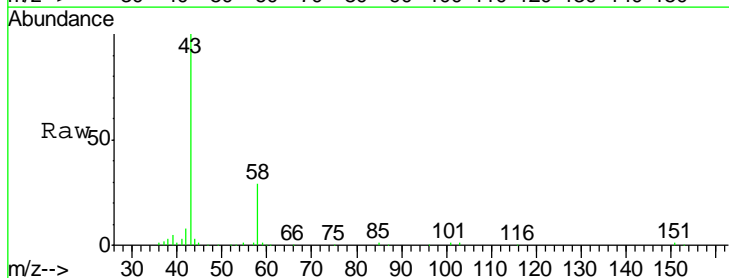
Manual Integrations
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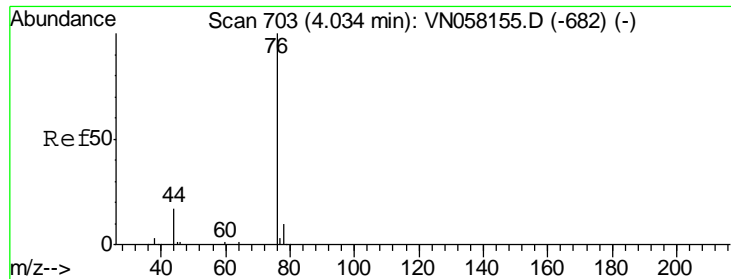
MMDadoda
 9/20/2019 1:14:19 PM



#16
 Acetone
 Concen: 73.158 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.8	23.4	35.2





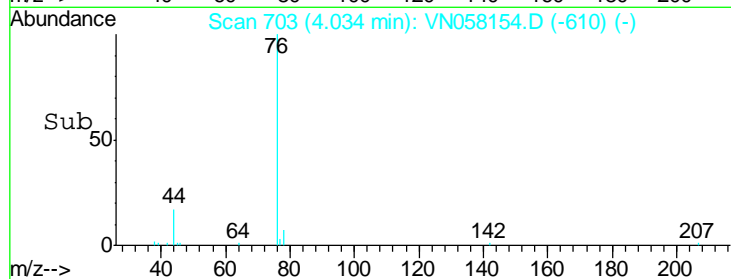
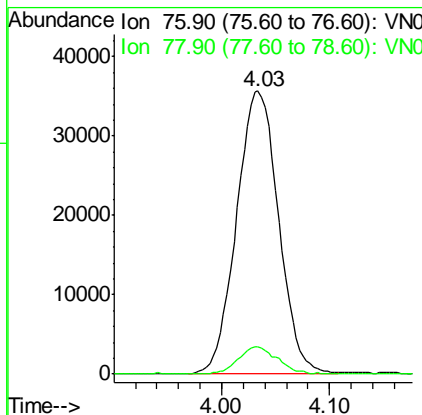
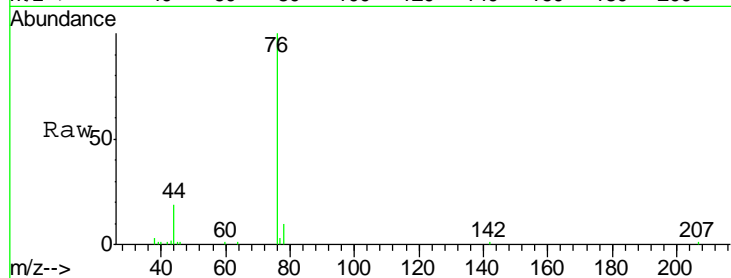
#17
 Carbon Disulfide
 Concen: 8.765 ug/l
 RT: 4.03 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	96733		
76	100		
78	9.8	7.7	11.5

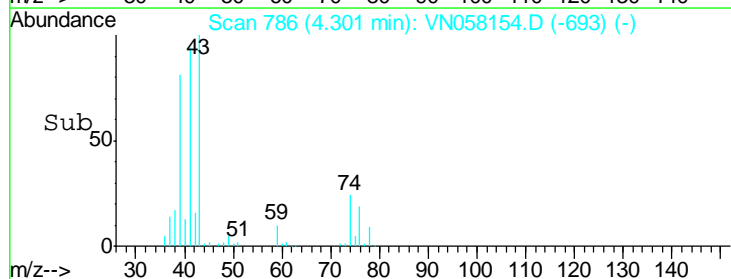
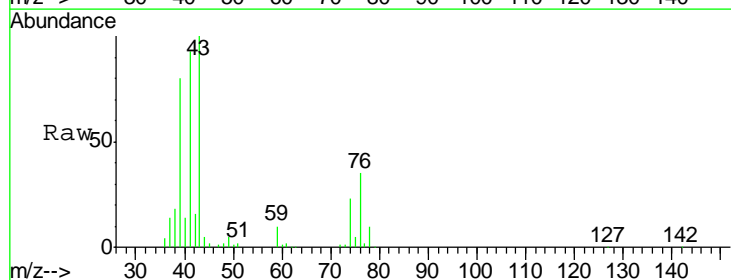
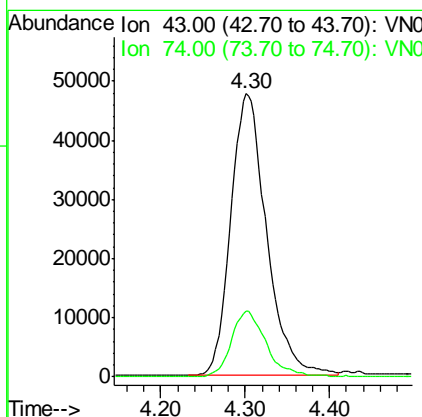
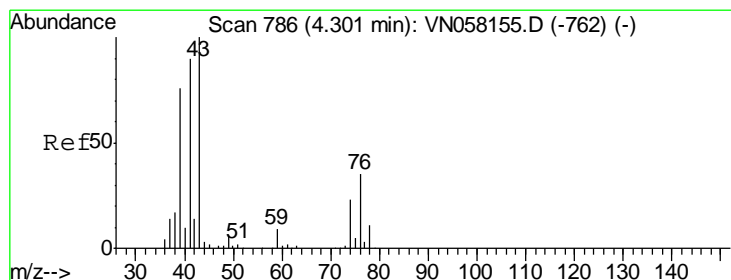
Manual Integrations
 APPROVED

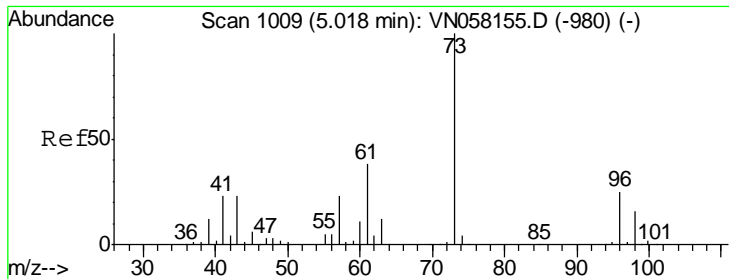
MMDadoda
 9/20/2019 1:14:19 PM



#18
 Methyl Acetate
 Concen: 13.897 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
43	140672		
43	100		
74	22.6	18.0	27.0





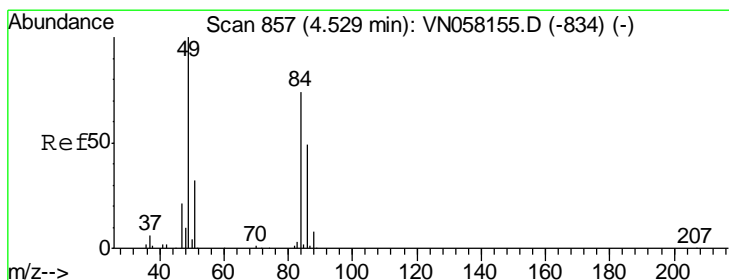
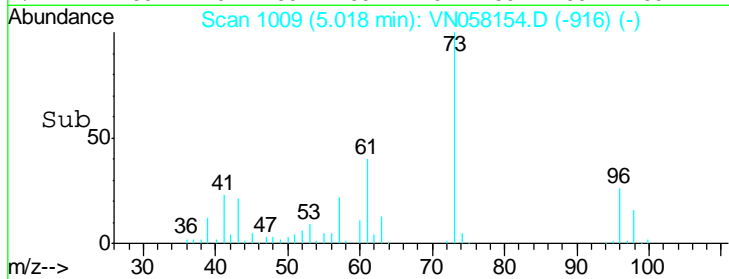
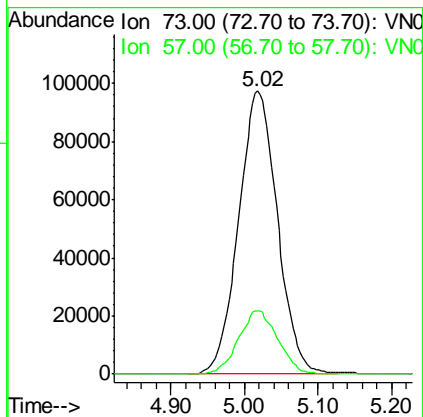
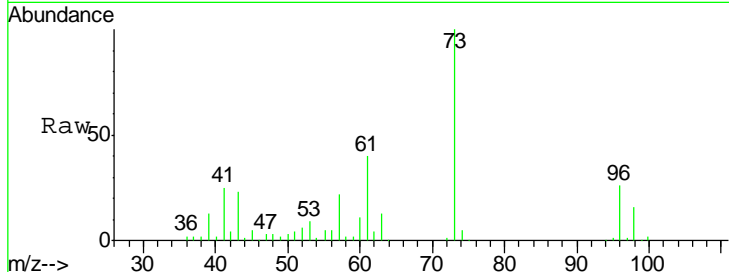
#19
 Methyl tert-butyl Ether
 Concen: 14.069 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.2	18.1	27.1

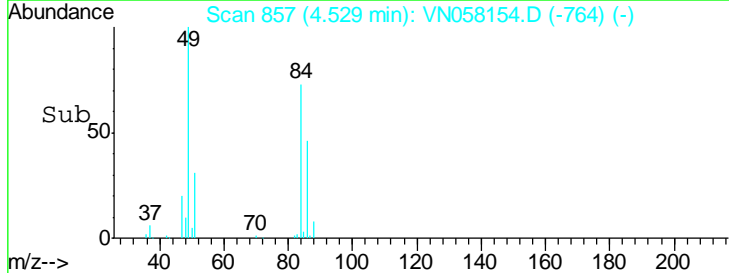
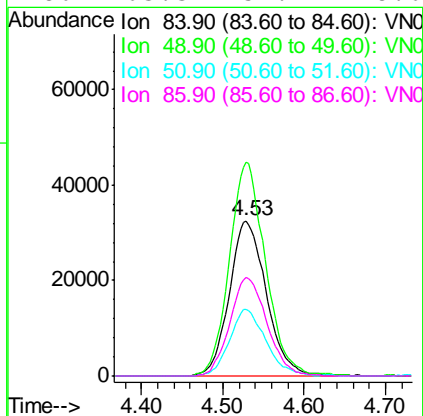
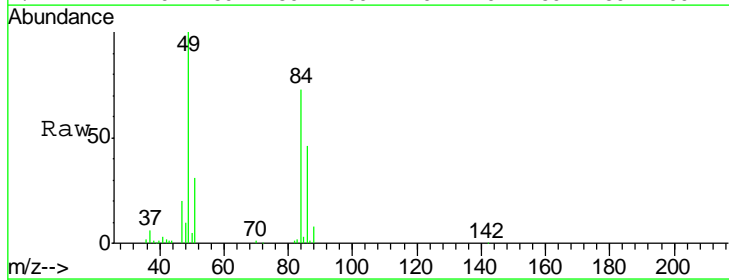
Manual Integrations
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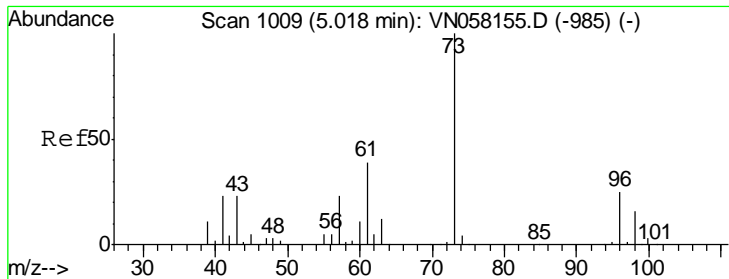
MMDadoda
 9/20/2019 1:14:19 PM



#20
 Methylene Chloride
 Concen: 12.495 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
84	100		
49	137.8	107.5	161.3
51	43.0	33.9	50.9
86	63.3	52.4	78.6





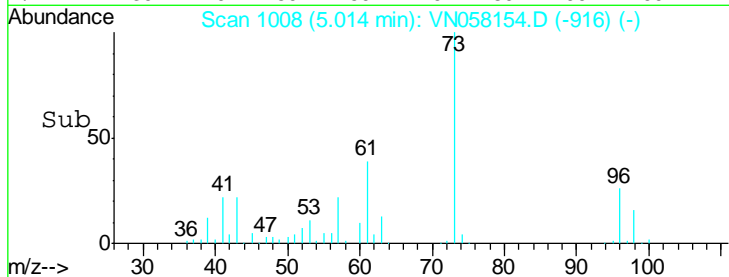
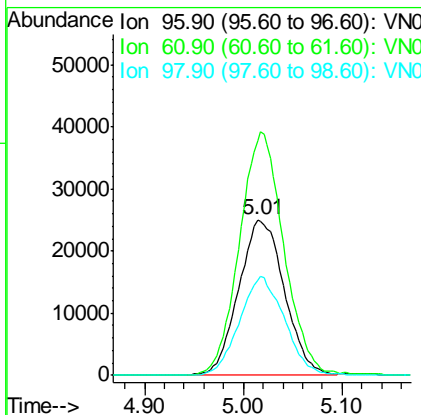
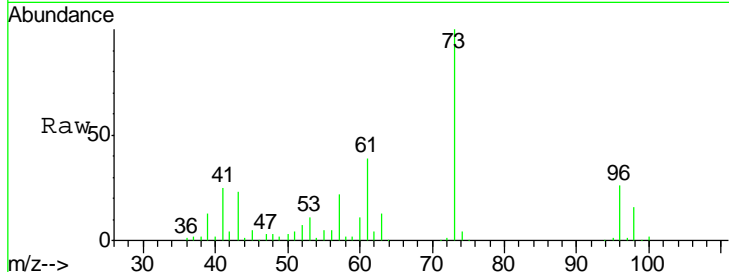
#21
 trans-1,2-Dichloroethene
 Concen: 12.261 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	80248		
96	100		
61	151.1	122.2	183.4
98	61.4	49.9	74.9

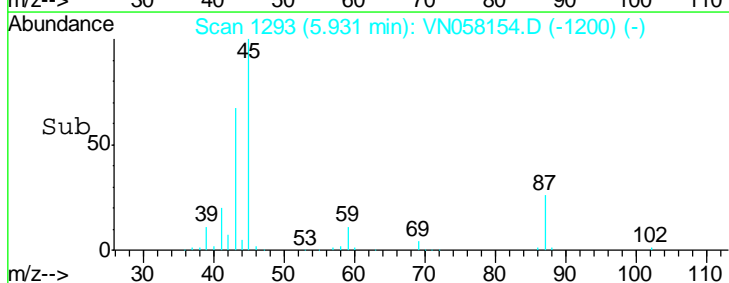
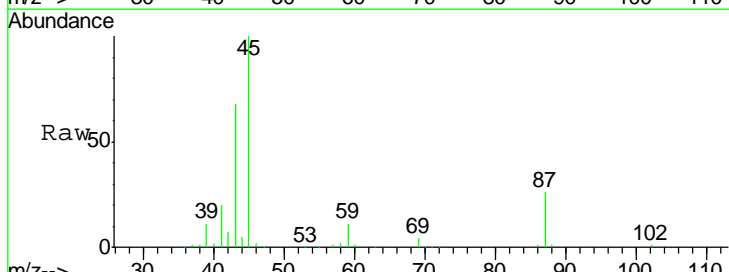
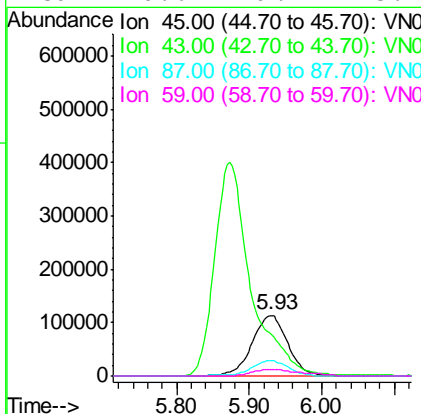
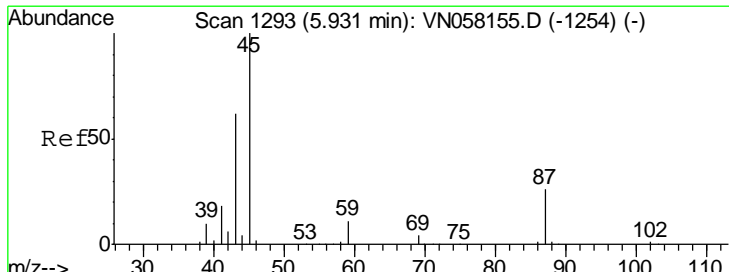
Manual Integrations
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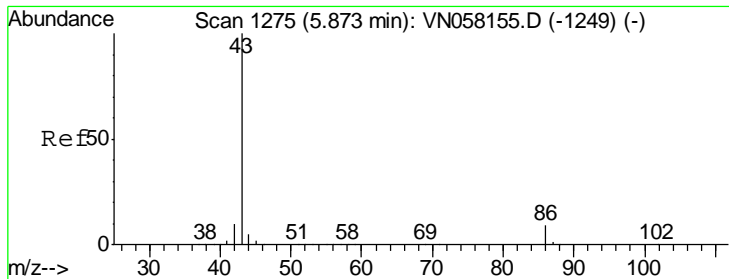
MMDadoda
 9/20/2019 1:14:19 PM



#22
 Diisopropyl ether
 Concen: 14.003 ug/l
 RT: 5.93 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
45	390939		
45	100		
43	66.1	49.7	74.5
87	25.9	20.7	31.1
59	10.6	9.1	13.7





#23
 Vinyl Acetate
 Concen: 70.389 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

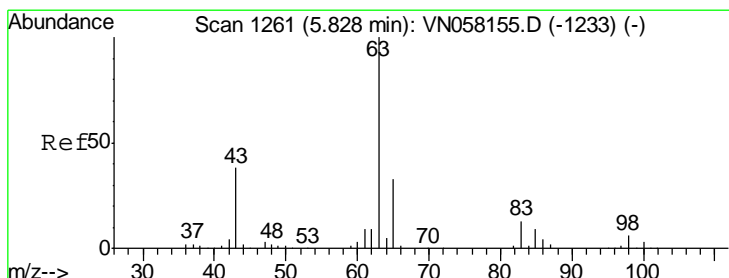
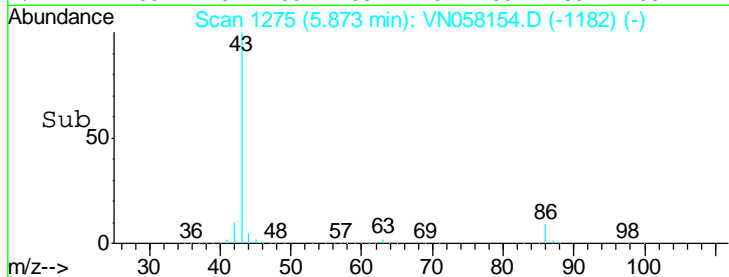
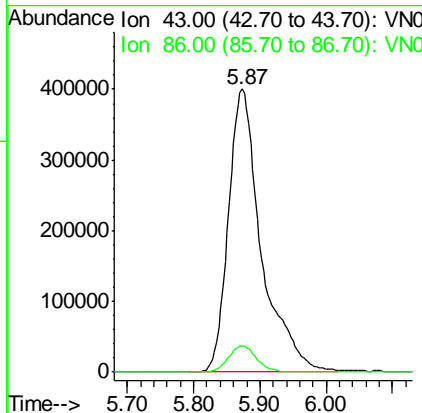
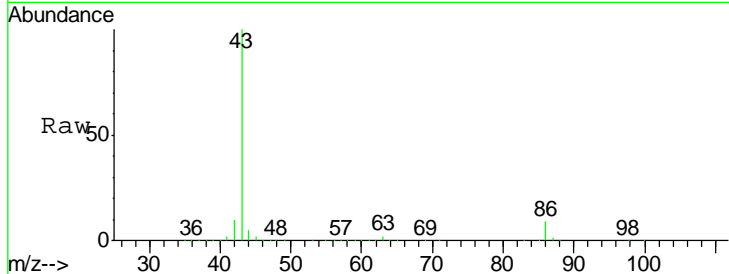
Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion: 43 Resp: 1384687

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.4	11.2

Manual Integrations
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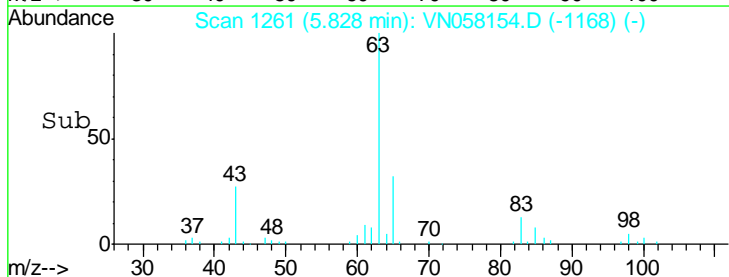
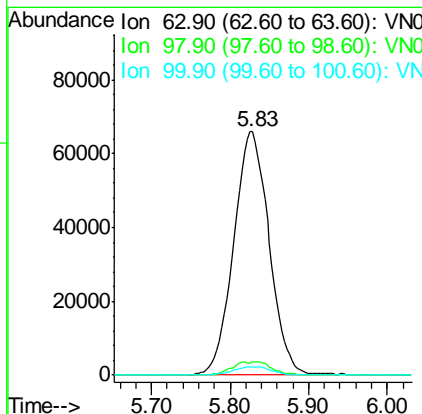
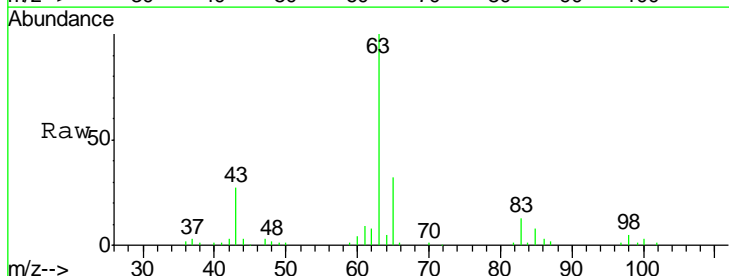
MMDadoda
 9/20/2019 1:14:19 PM

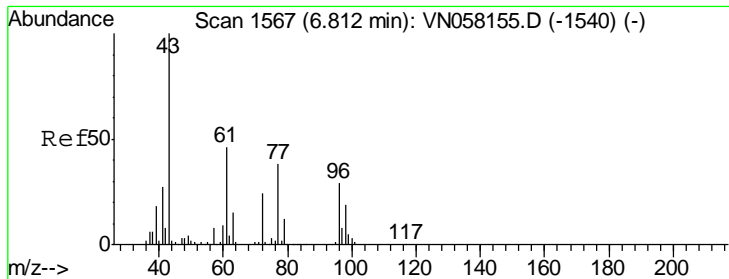


#24
 1,1-Dichloroethane
 Concen: 13.659 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion: 63 Resp: 208116

Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.9	8.6
100	3.5	1.8	5.3





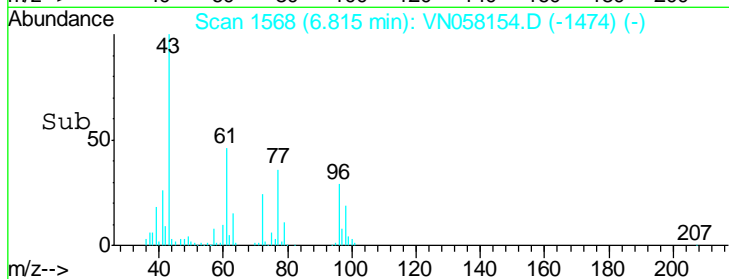
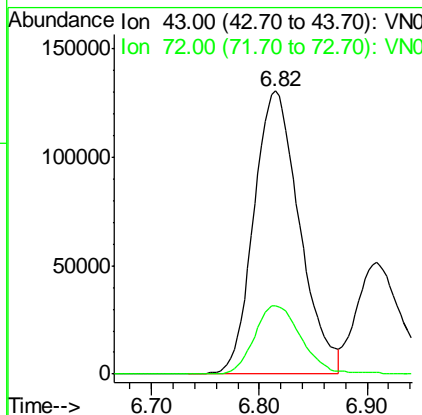
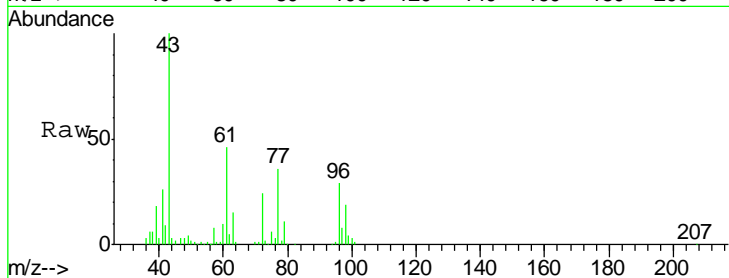
#25
 2-Butanone
 Concen: 69.792 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
72	24.0	19.5	29.3

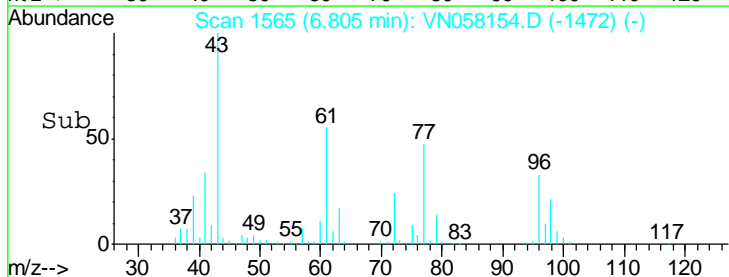
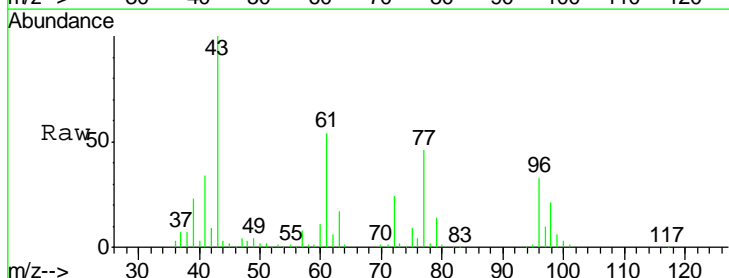
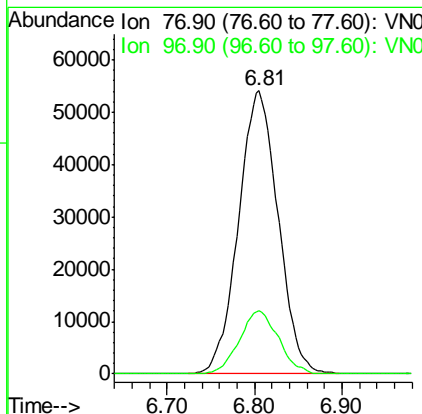
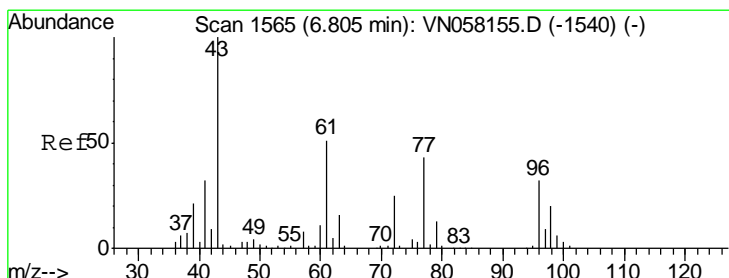
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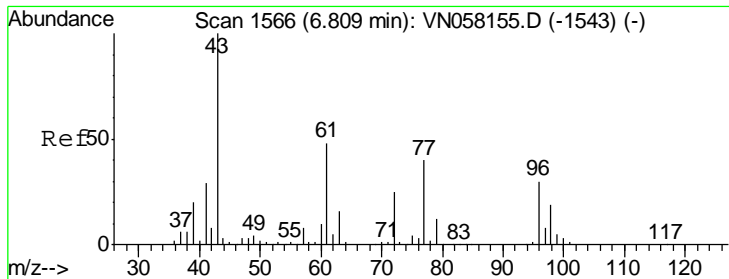
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#26
 2,2-Dichloropropane
 Concen: 14.055 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
77	100		
97	21.9	10.5	31.6





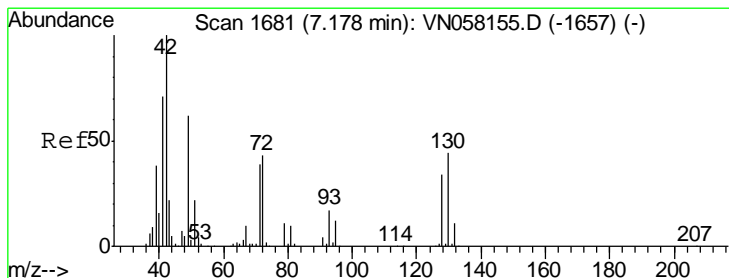
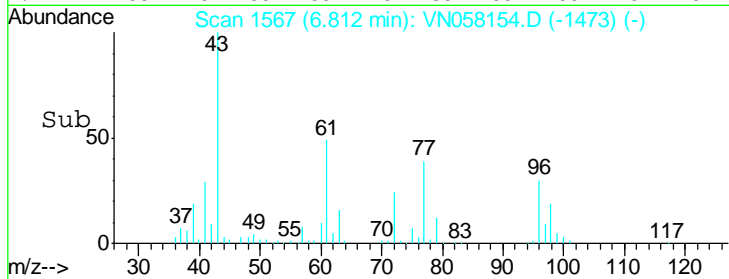
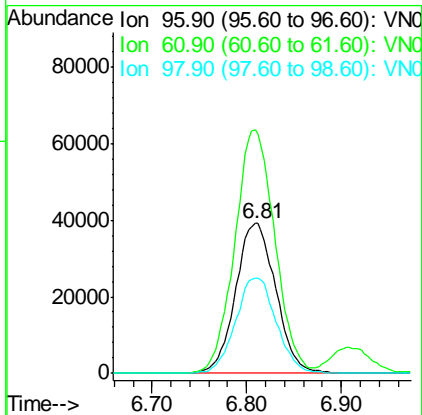
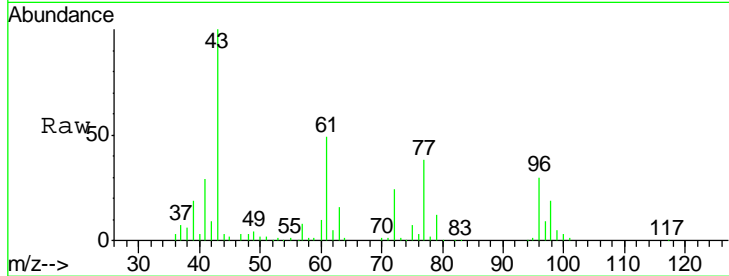
#27
 cis-1,2-Dichloroethene
 Concen: 13.099 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	115458		
96	100		
61	162.0	0.0	319.0
98	64.6	0.0	126.6

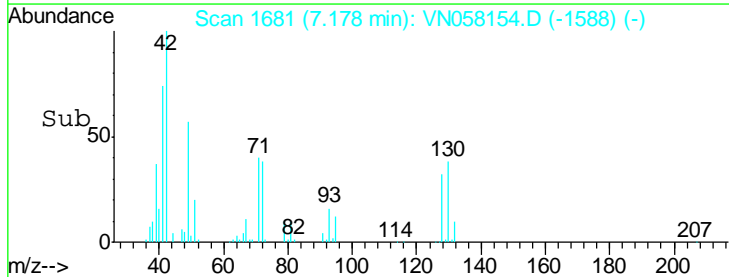
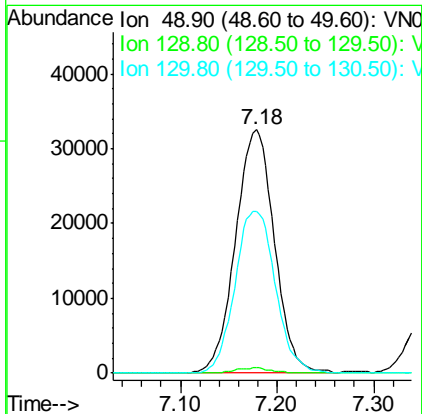
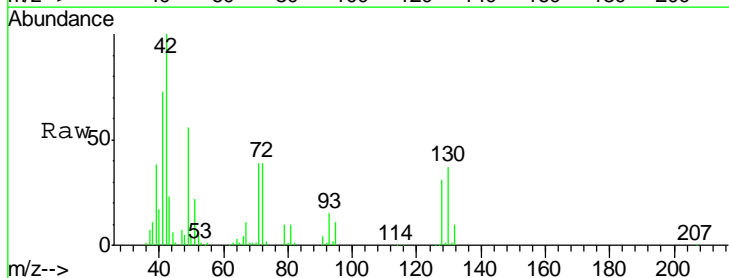
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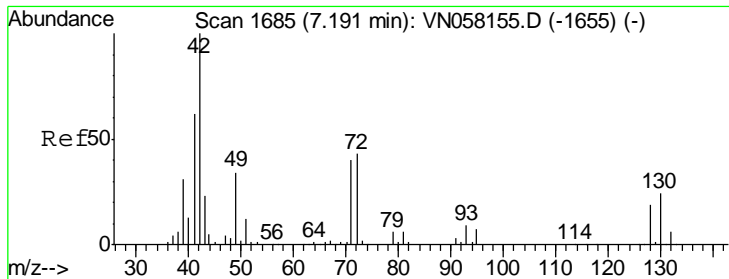
MMDadoda
 9/20/2019 1:14:19 PM



#28
 Bromochloromethane
 Concen: 11.937 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
49	90834		
49	100		
129	1.9	0.0	1.8#
130	69.1	55.4	83.2





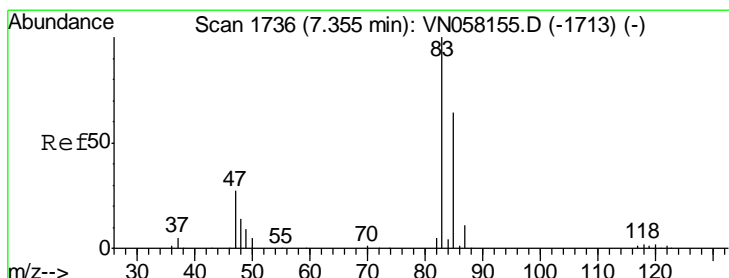
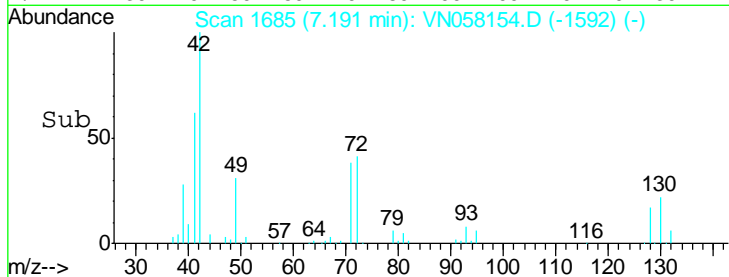
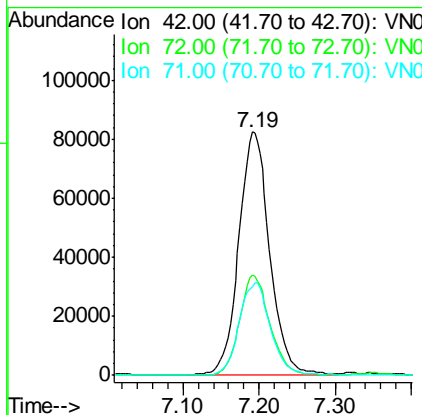
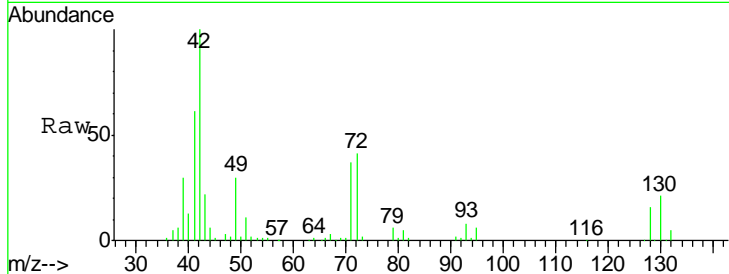
#29
 Tetrahydrofuran
 Concen: 69.158 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
42	100		
72	40.4	33.8	50.6
71	38.2	31.4	47.0

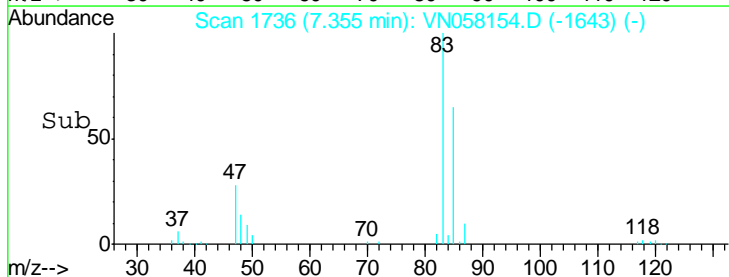
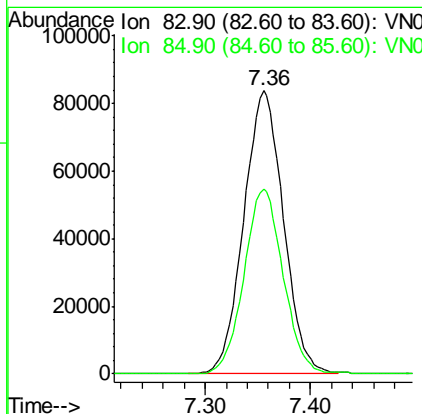
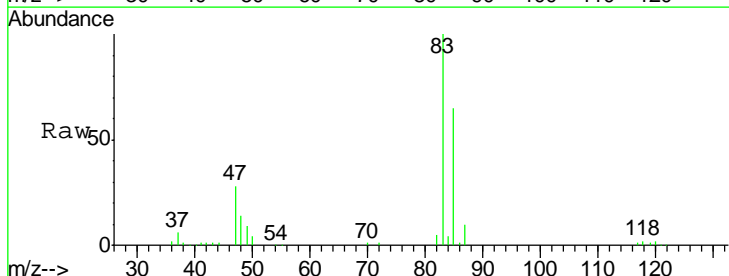
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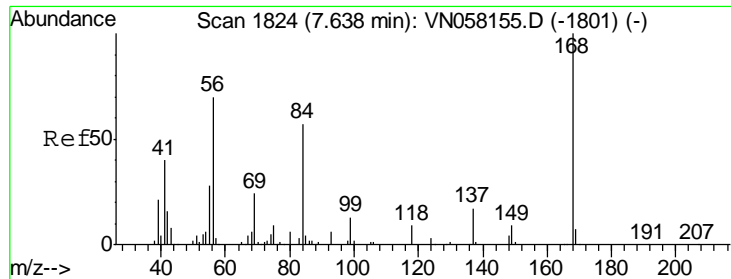
MMDadoda
 9/20/2019 1:14:19 PM



#30
 Chloroform
 Concen: 13.725 ug/l
 RT: 7.36 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.3	51.4	77.2





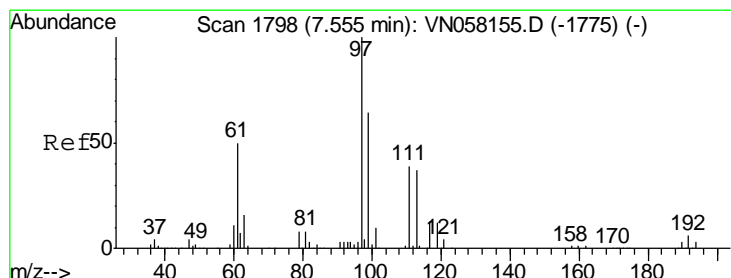
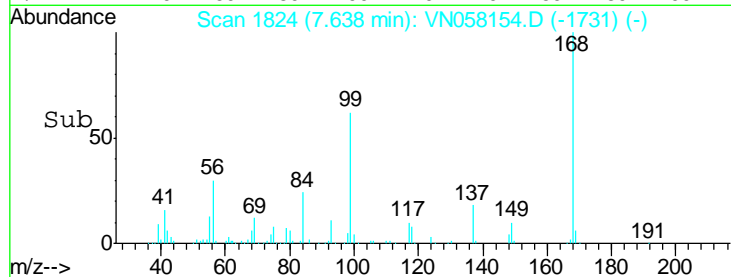
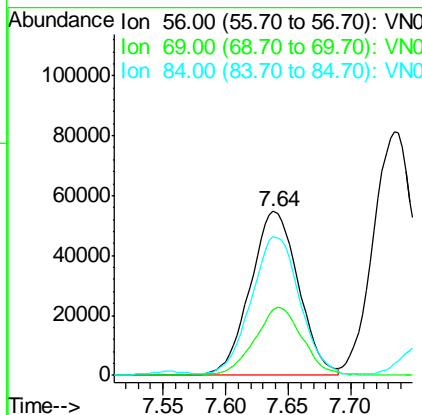
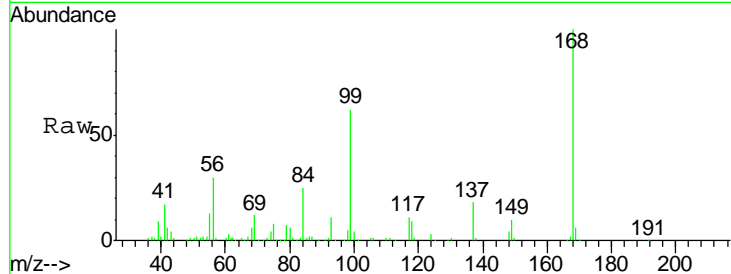
#31
 Cyclohexane
 Concen: 13.026 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	146204		
56	100		
69	39.8	27.3	40.9
84	83.4	65.0	97.4

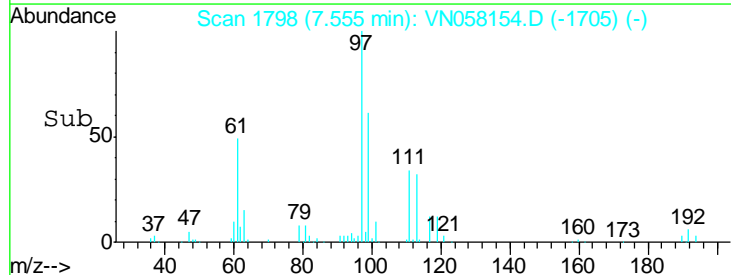
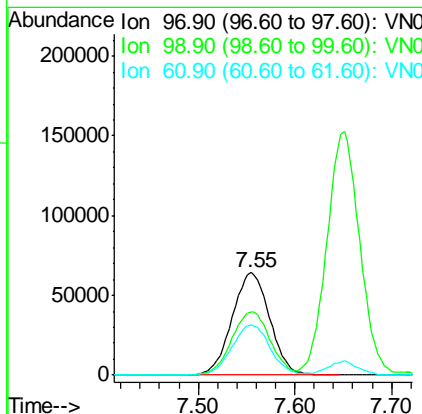
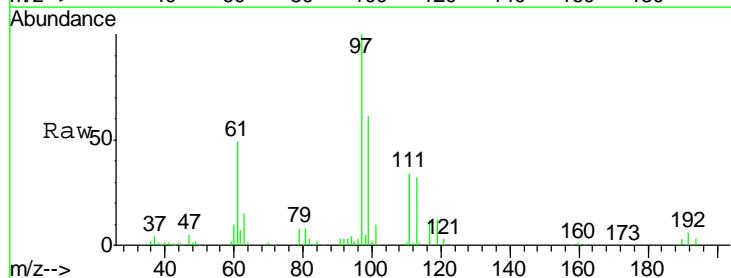
Manual Integrations
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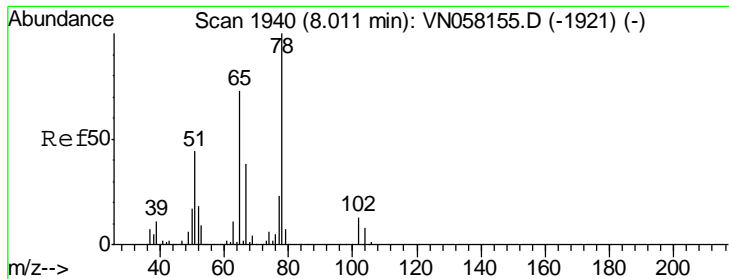
MMDadoda
 9/20/2019 1:14:19 PM



#32
 1,1,1-Trichloroethane
 Concen: 13.724 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
97	173745		
97	100		
99	63.0	50.9	76.3
61	49.4	39.2	58.8





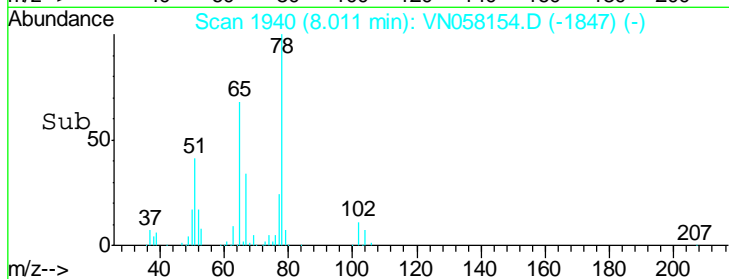
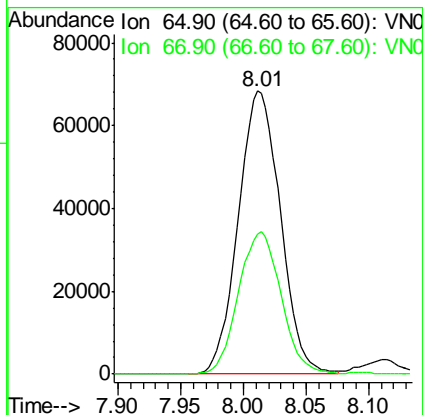
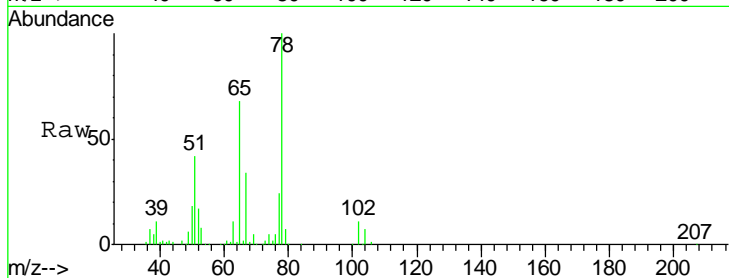
#33
 1,2-Dichloroethane-d4
 Concen: 13.872 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
65	159773		
65	100		
67	50.9	0.0	103.4

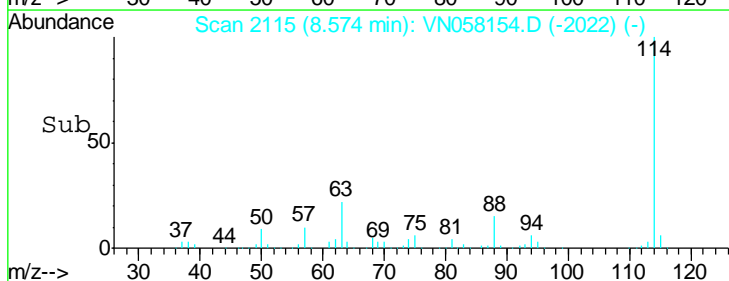
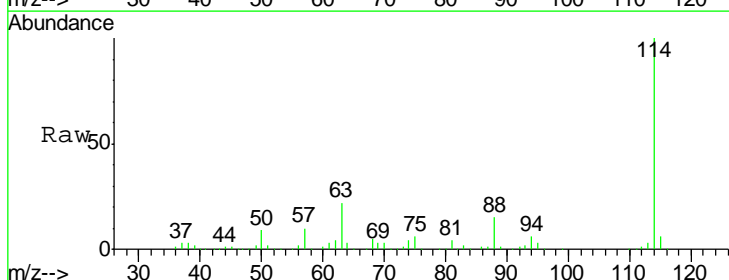
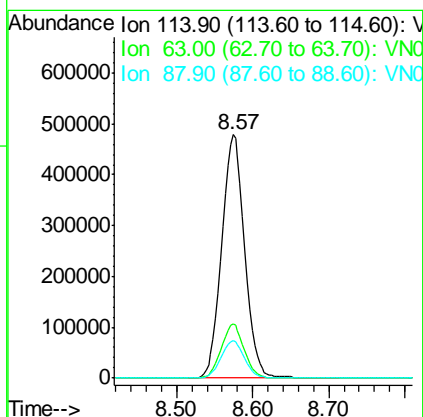
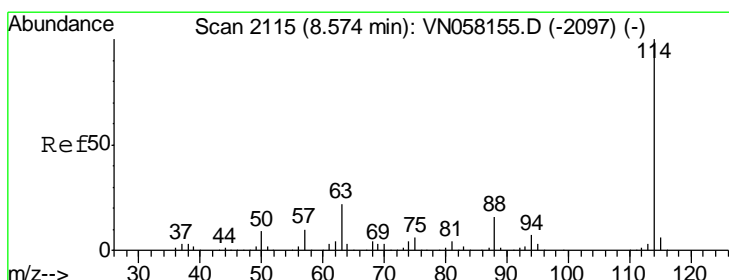
Manual Integrations
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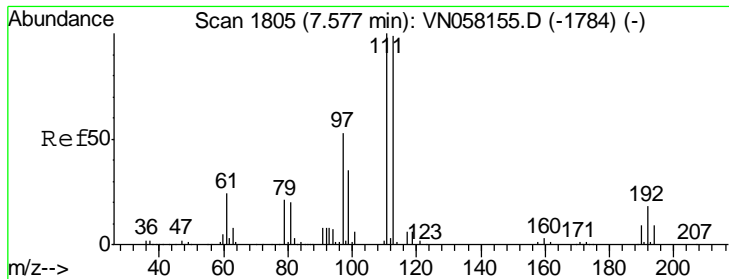
MMDadoda
 9/20/2019 1:14:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

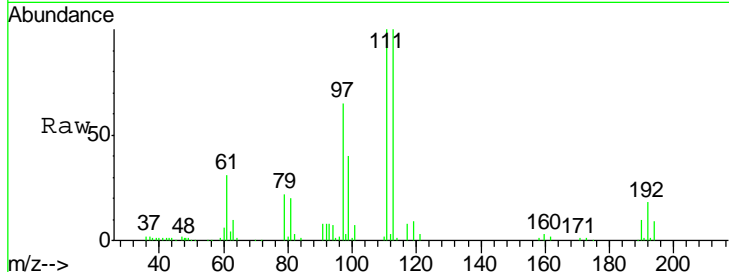
Tgt Ion	Resp	Lower	Upper
114	1008309		
114	100		
63	22.2	0.0	44.2
88	15.5	0.0	31.6





#35
 Dibromofluoromethane
 Concen: 13.151 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

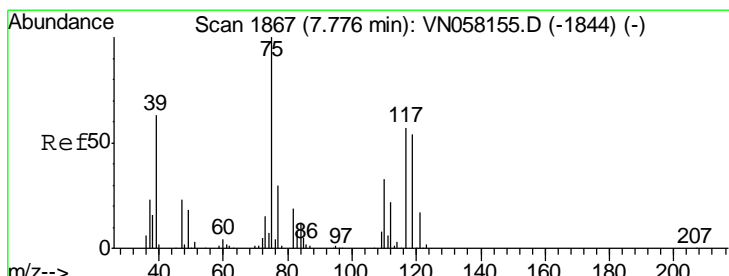
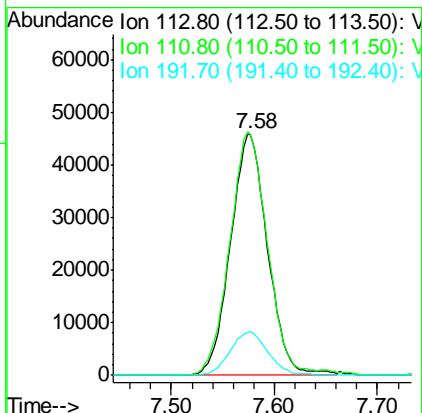
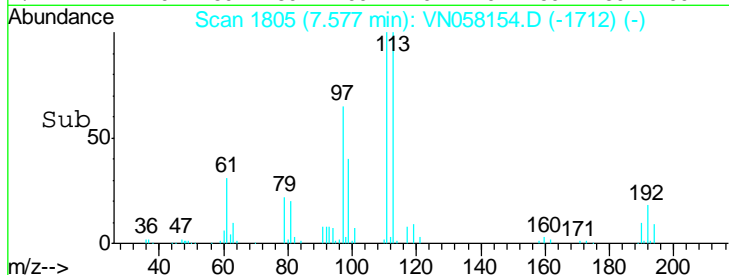
Instrument : MSVOA_N
 Client Sampled : VSTDIC020



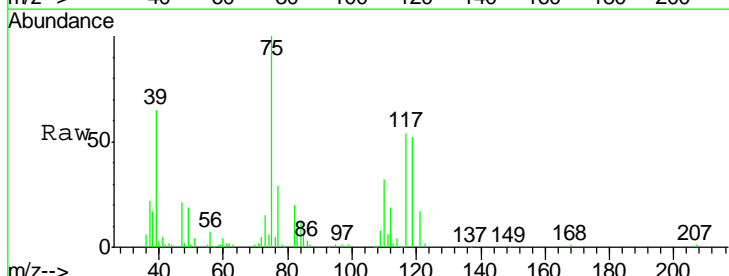
Tgt Ion: 113 Resp: 114512

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	18.6	14.5	21.7

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 MMDadoda
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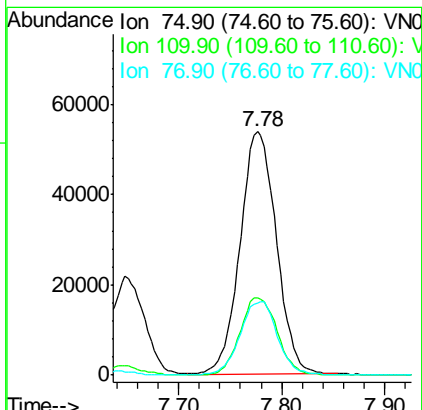
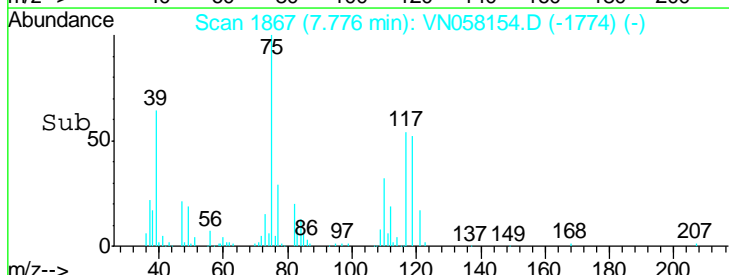


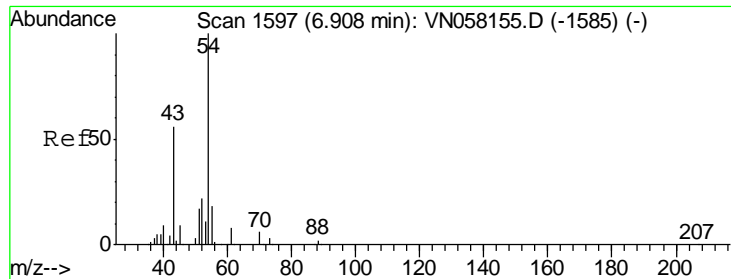
#36
 1,1-Dichloropropene
 Concen: 12.047 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05



Tgt Ion: 75 Resp: 132011

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.6	49.7
77	31.2	24.3	36.5





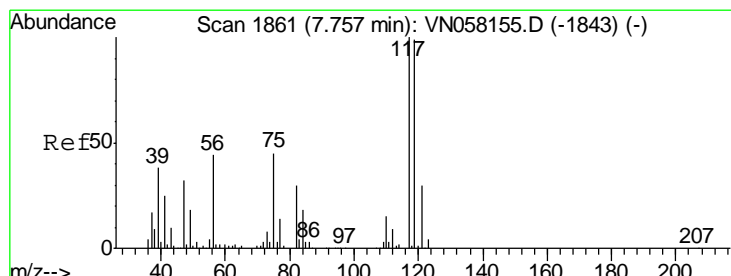
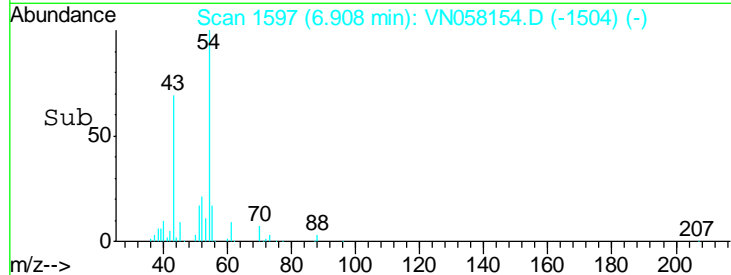
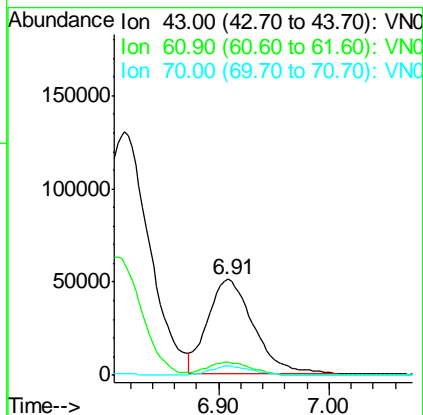
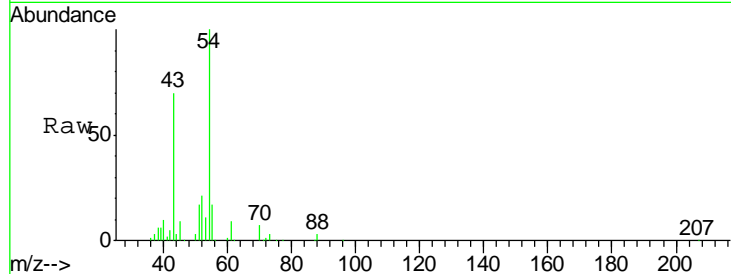
#37
Ethyl Acetate
Concen: 12.826 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	145684		
43	100		
61	12.8	10.7	16.1
70	9.1	7.6	11.4

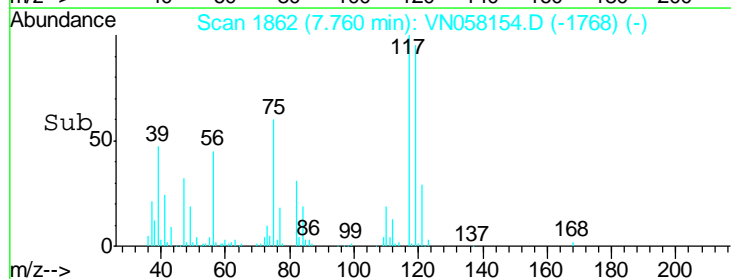
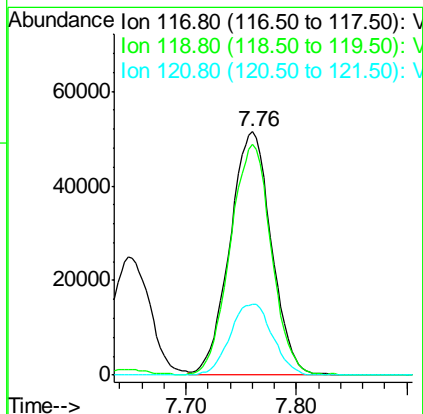
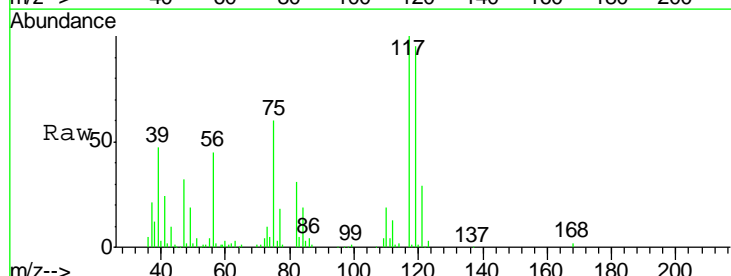
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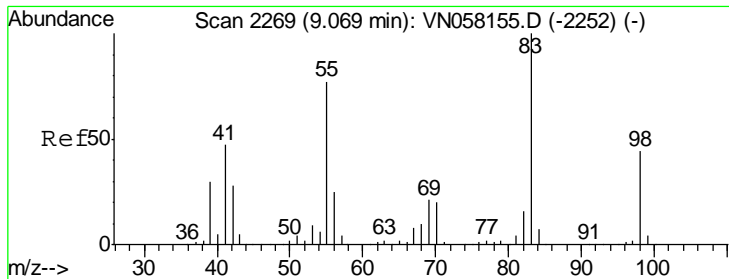
MMDadoda
9/20/2019 1:14:19 PM



#38
Carbon Tetrachloride
Concen: 13.293 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
117	133548		
117	100		
119	94.9	78.6	117.8
121	29.2	24.1	36.1





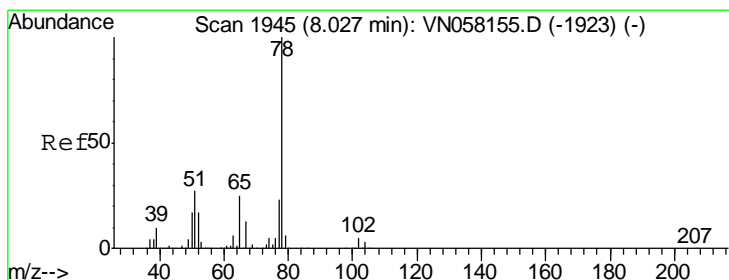
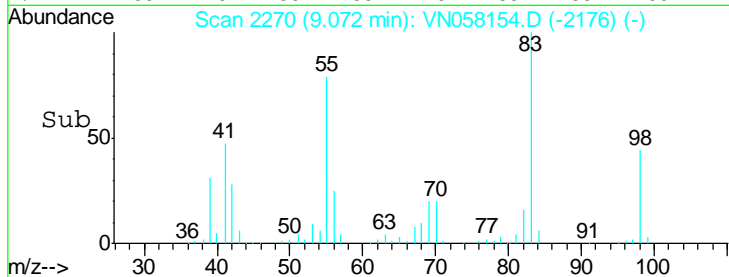
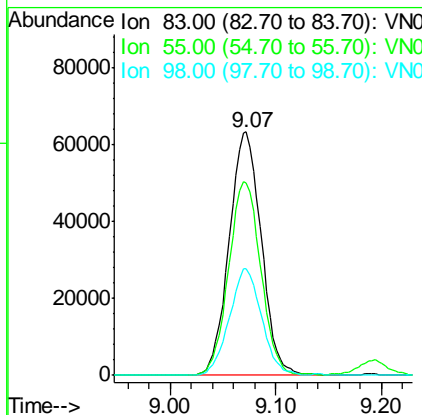
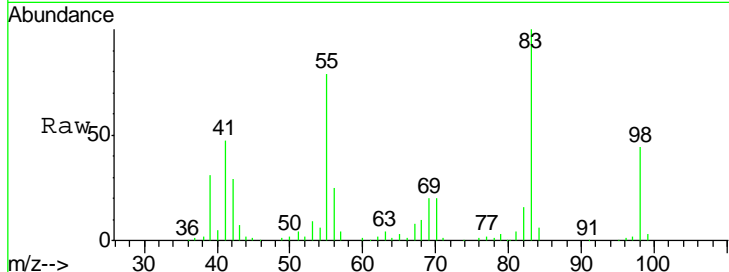
#39
 Methylcyclohexane
 Concen: 11.638 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	100		
55	79.2	61.9	92.9
98	43.9	35.4	53.2

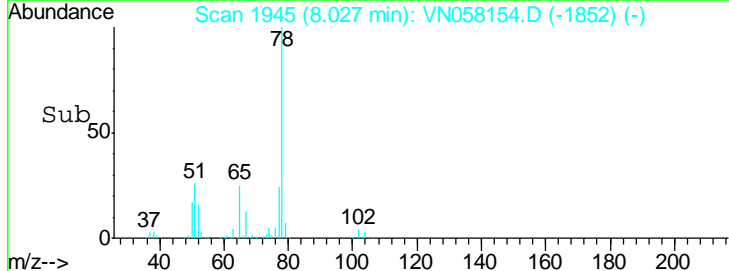
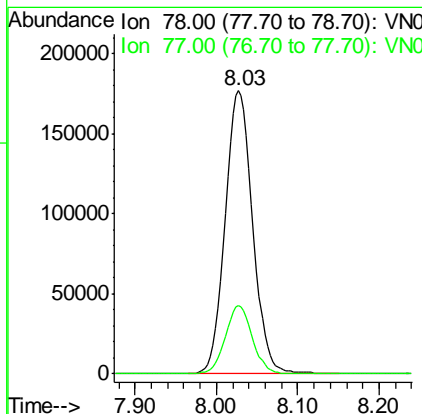
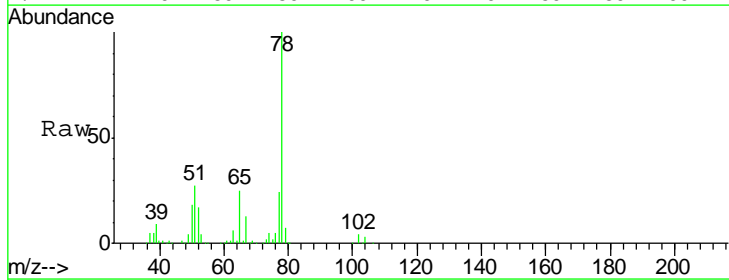
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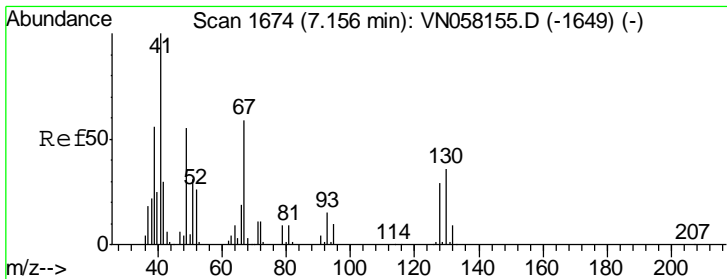
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#40
 Benzene
 Concen: 12.738 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

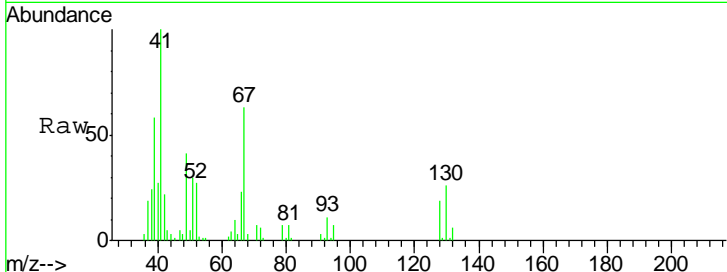
Tgt Ion	Resp	Lower	Upper
78	100		
77	24.1	18.8	28.2





#41
 Methacrylonitrile
 Concen: 12.578 ug/l m
 RT: 7.15 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

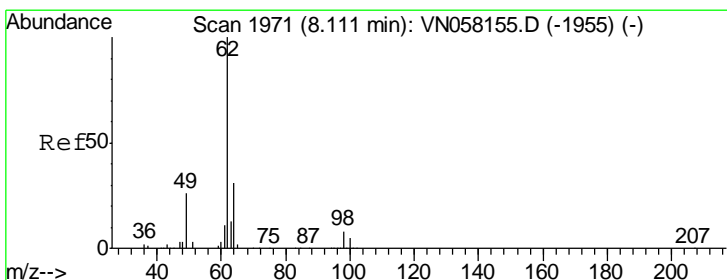
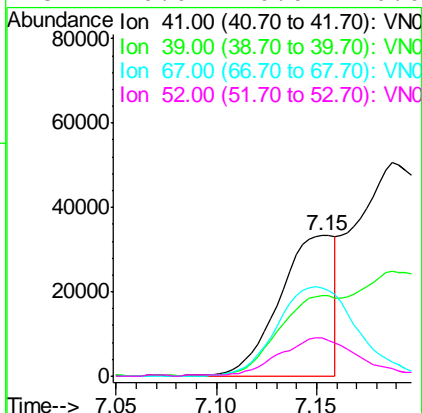
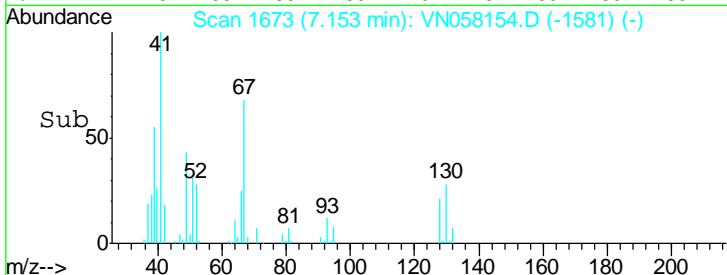


Tgt Ion: 41 Resp: 64778

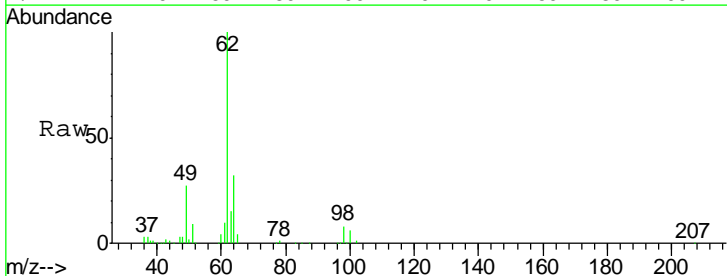
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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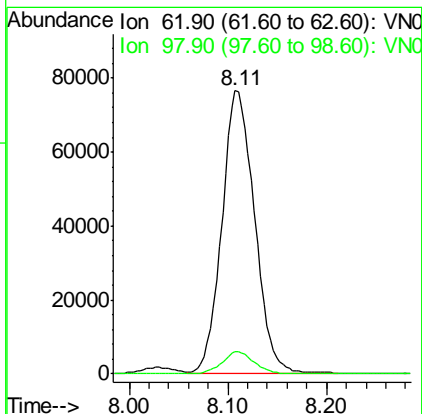
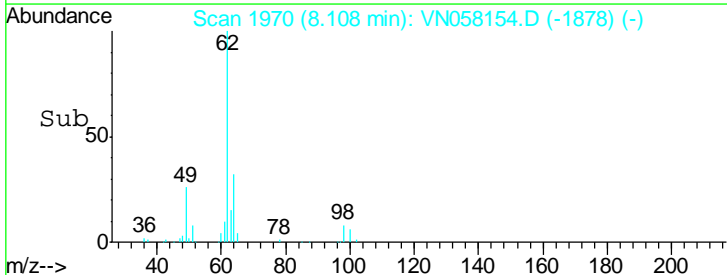


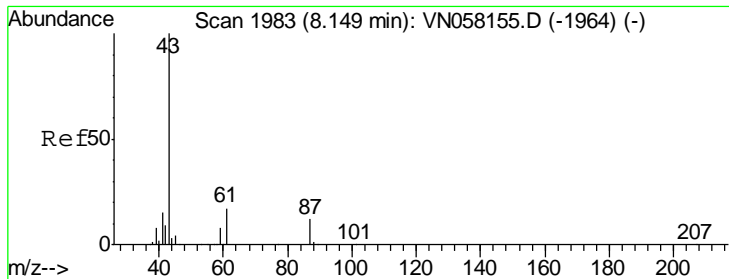
#42
 1,2-Dichloroethane
 Concen: 13.317 ug/l
 RT: 8.11 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05



Tgt Ion: 62 Resp: 176296

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6





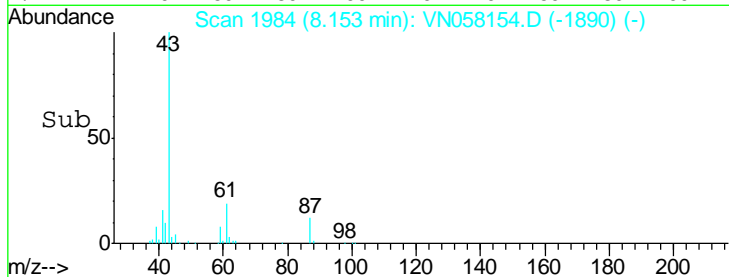
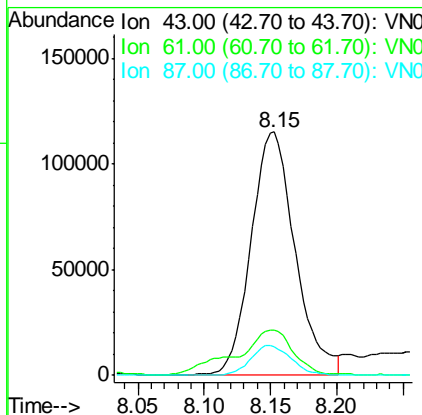
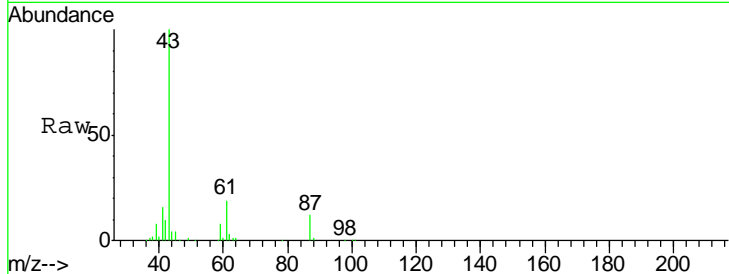
#43
 Isopropyl Acetate
 Concen: 13.818 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	17.4	19.7	29.5#
87	11.5	9.4	14.2

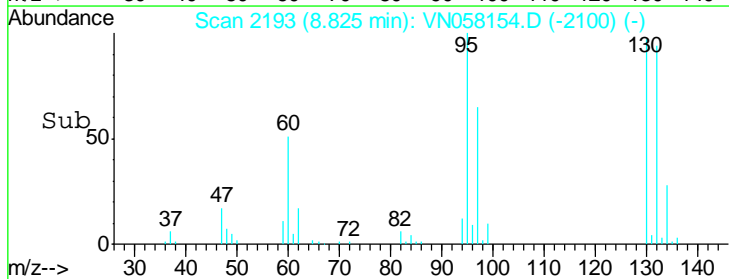
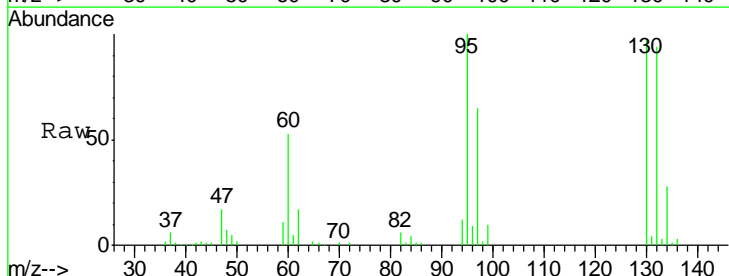
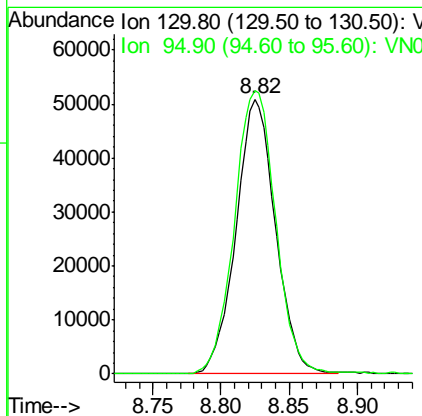
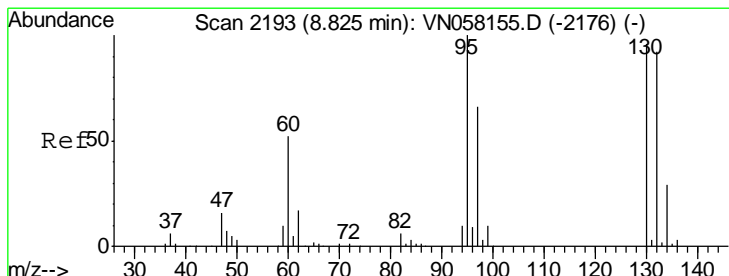
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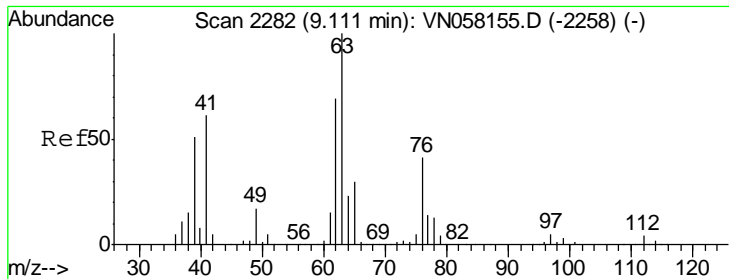
MMDadoda
 9/20/2019 1:14:19 PM



#44
 Trichloroethene
 Concen: 12.573 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
130	100		
95	103.0	0.0	207.8





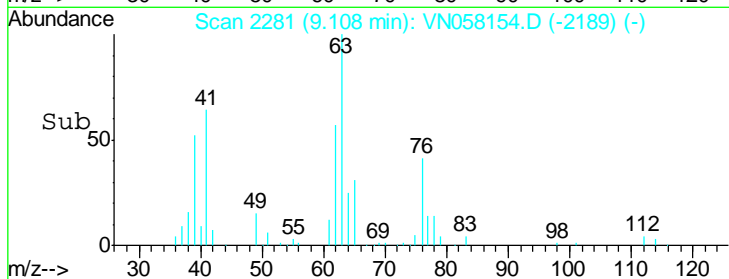
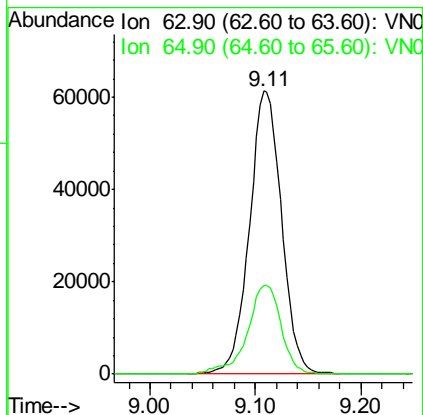
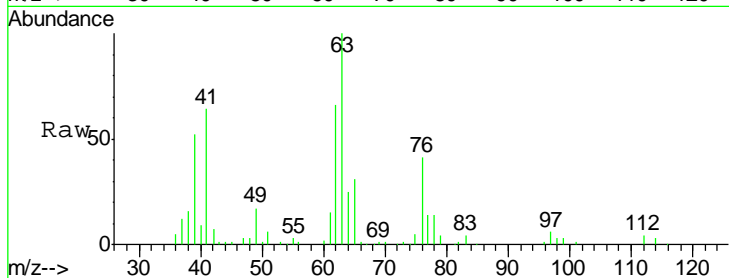
#45
 1,2-Dichloropropane
 Concen: 13.500 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
63	130085		
65	31.4	23.8	35.6

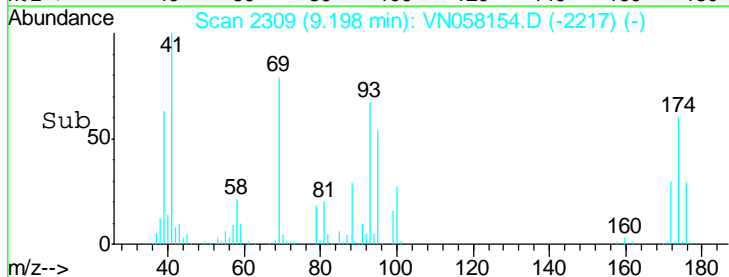
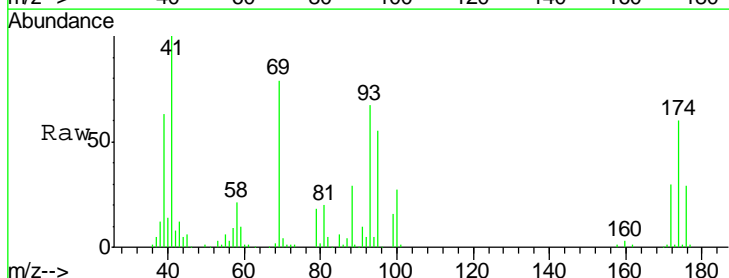
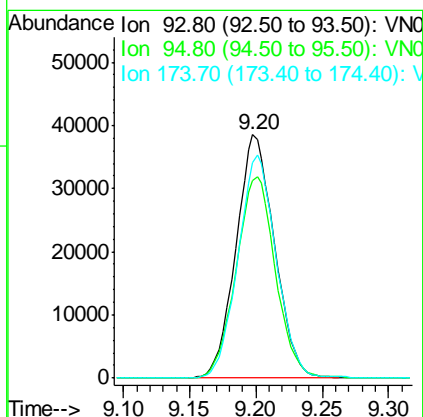
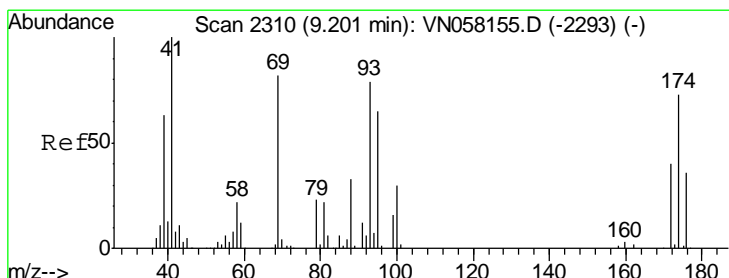
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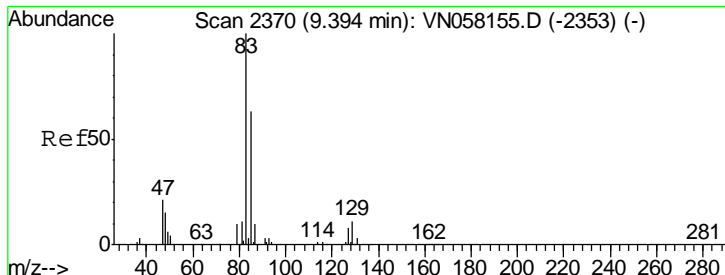
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#46
 Dibromomethane
 Concen: 13.349 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
93	77649		
95	84.4	66.8	100.2
174	91.0	73.8	110.8





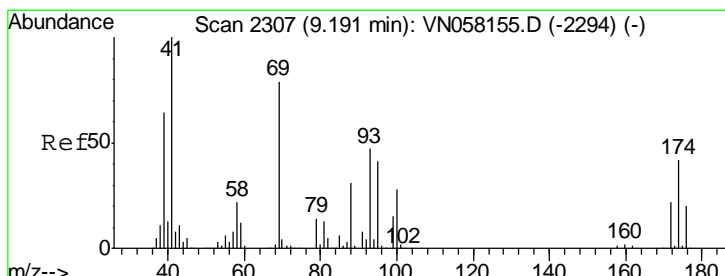
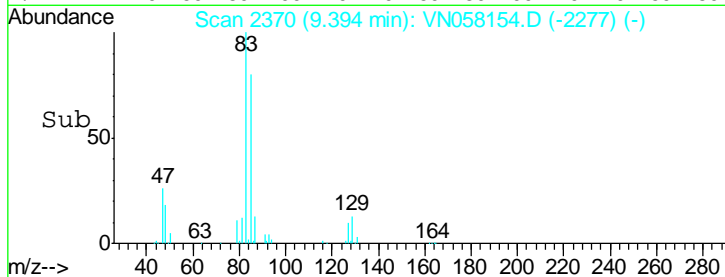
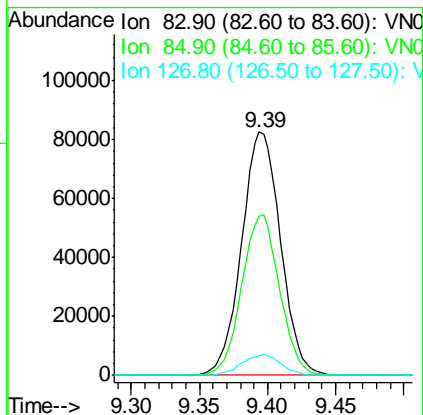
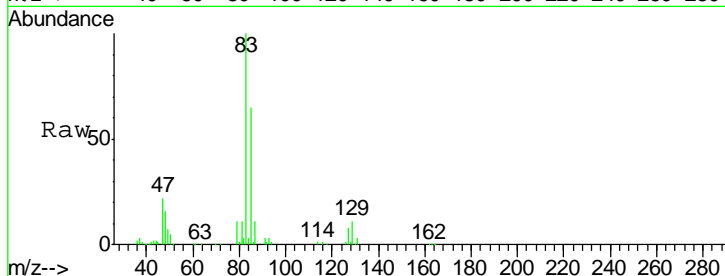
#47
 Bromodichloromethane
 Concen: 14.120 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.4	50.1	75.1
127	8.3	6.4	9.6

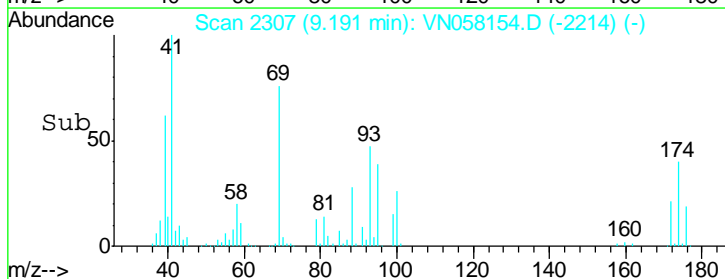
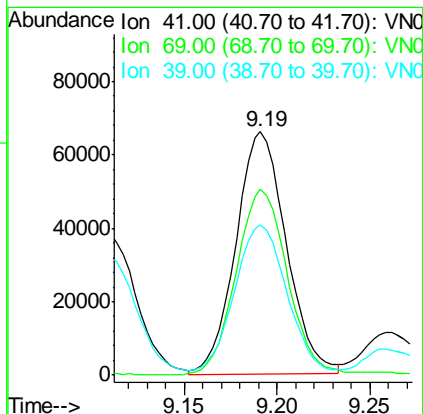
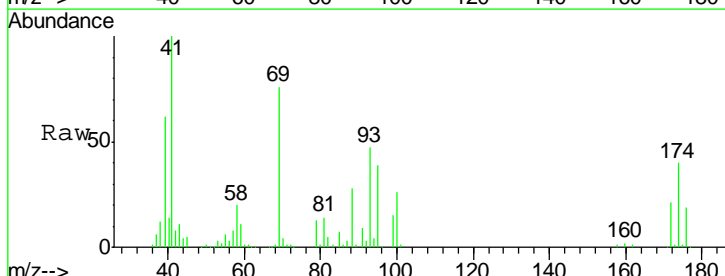
Manual Integrations
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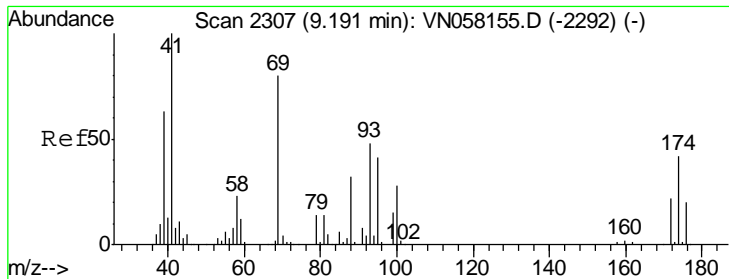
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 9/20/2019 1:14:19 PM



#48
 Methyl methacrylate
 Concen: 13.000 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
41	100		
69	78.1	62.5	93.7
39	64.5	52.3	78.5





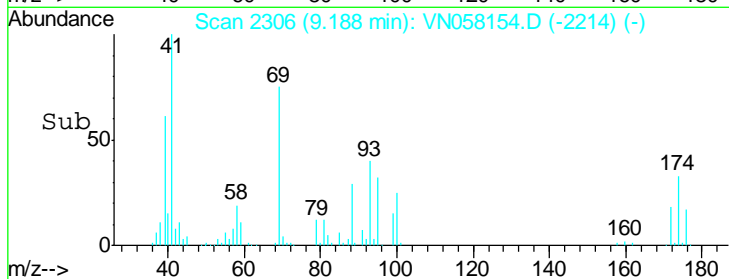
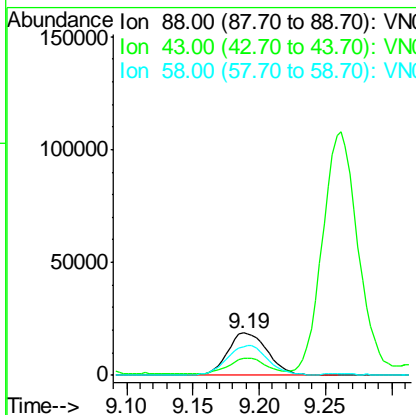
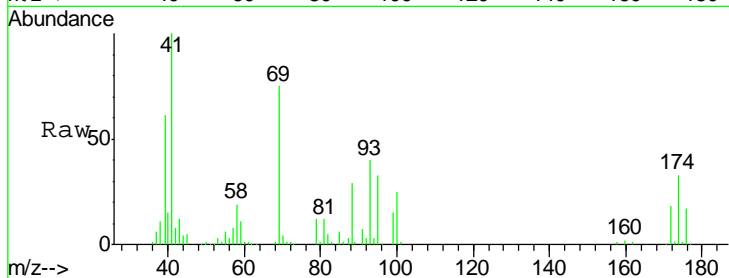
#49
 1,4-Dioxane
 Concen: 241.614 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
88	39571		
88	100		
43	33.8	27.8	41.8
58	71.9	55.0	82.4

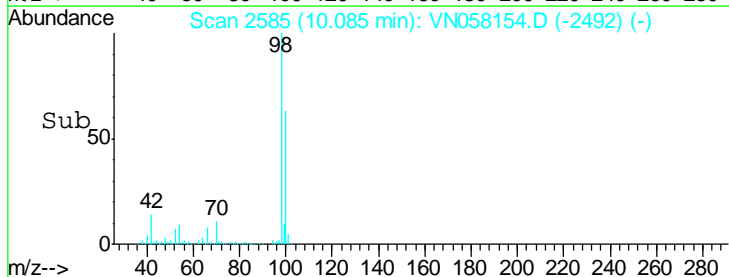
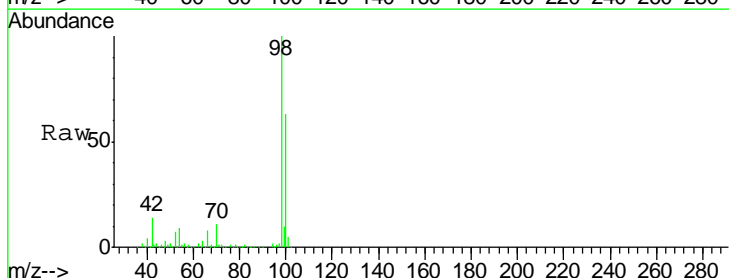
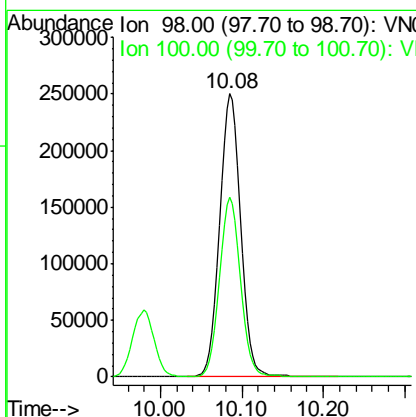
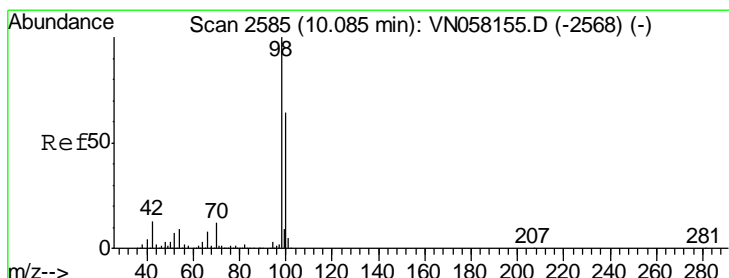
Manual Integrations
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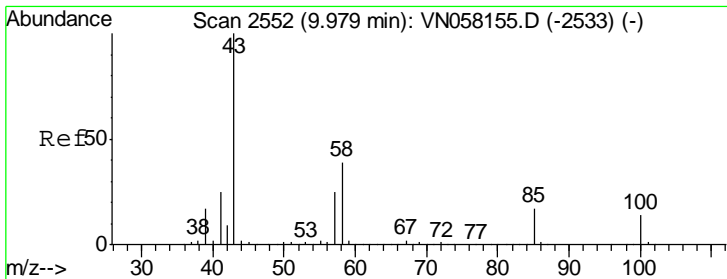
MMDadoda
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#50
 Toluene-d8
 Concen: 13.636 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
98	458756		
98	100		
100	63.2	51.1	76.7





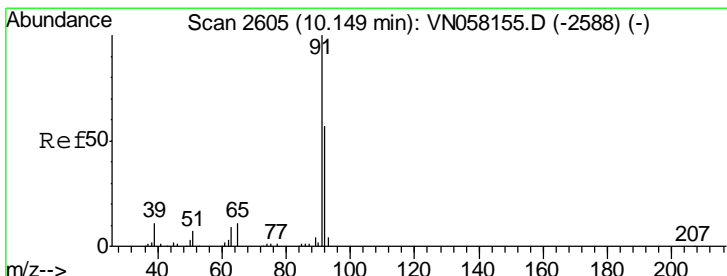
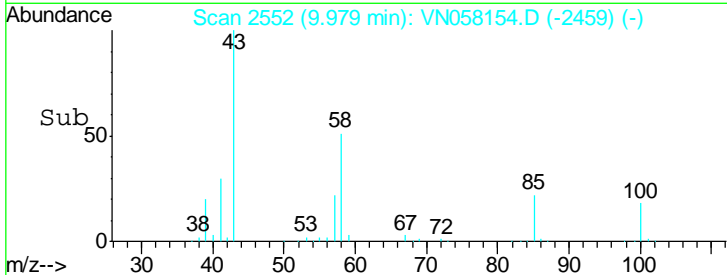
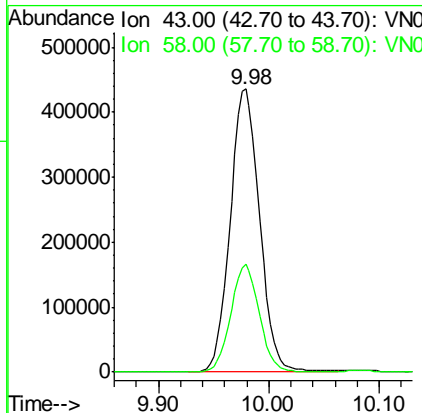
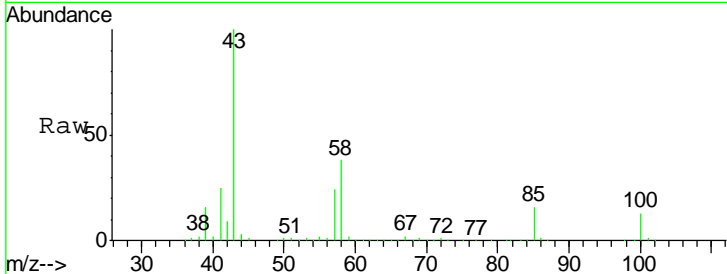
#51
 4-Methyl-2-Pentanone
 Concen: 71.812 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.2	45.4

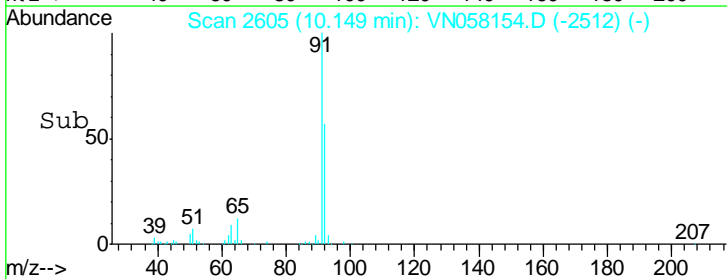
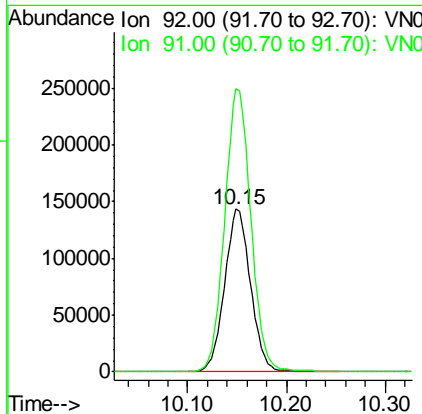
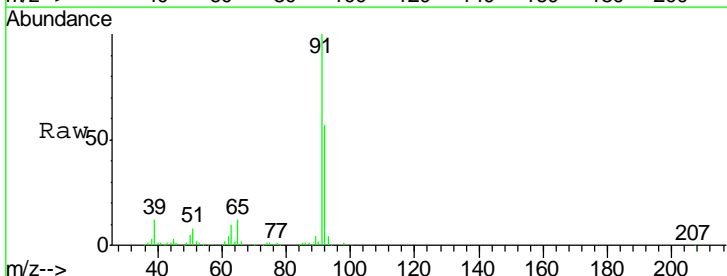
Manual Integrations
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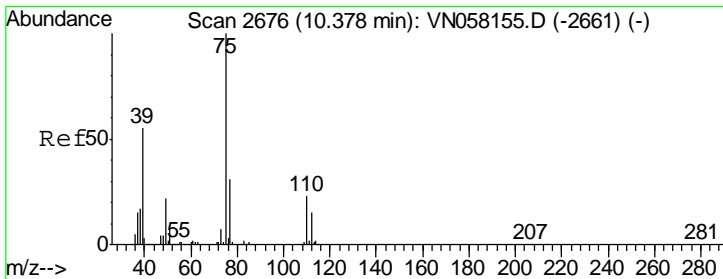
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#52
 Toluene
 Concen: 12.752 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.0	140.2	210.2





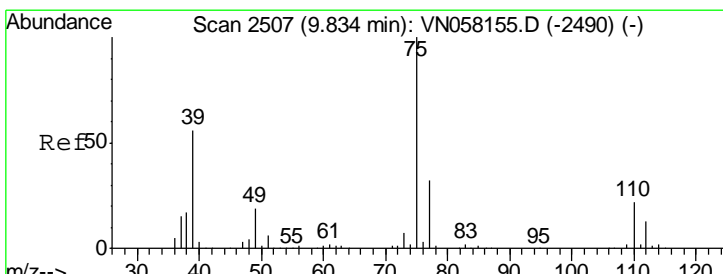
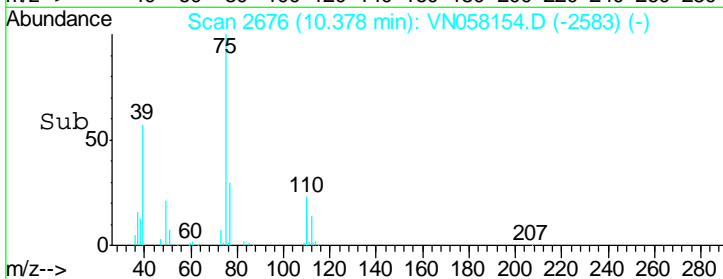
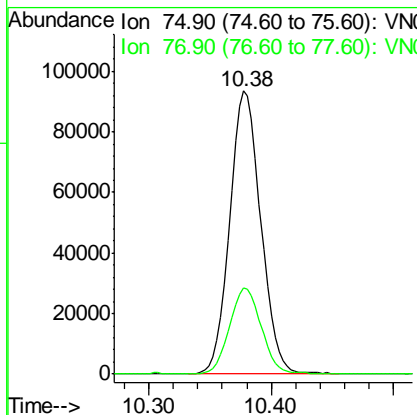
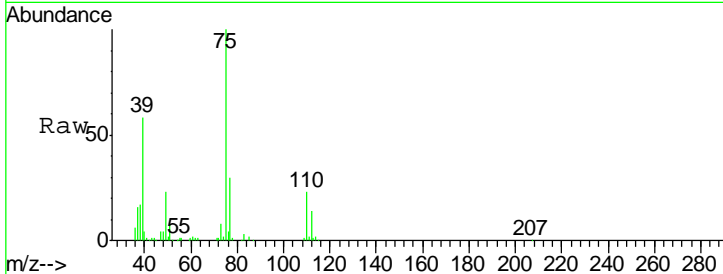
#53
 t-1,3-Dichloropropene
 Concen: 13.651 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	166170		
77	30.5	24.9	37.3

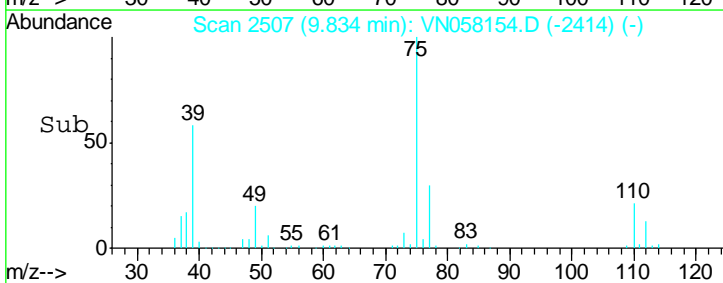
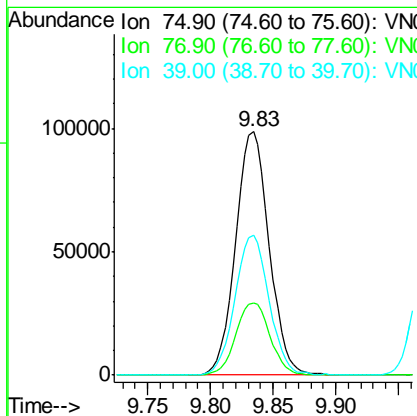
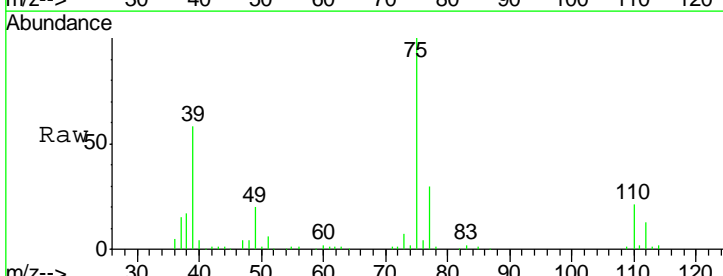
Manual Integrations
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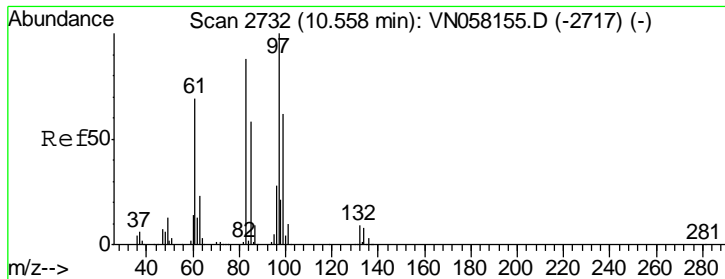
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#54
 cis-1,3-Dichloropropene
 Concen: 13.591 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
75	182758		
77	29.7	25.4	38.0
39	57.5	45.0	67.6





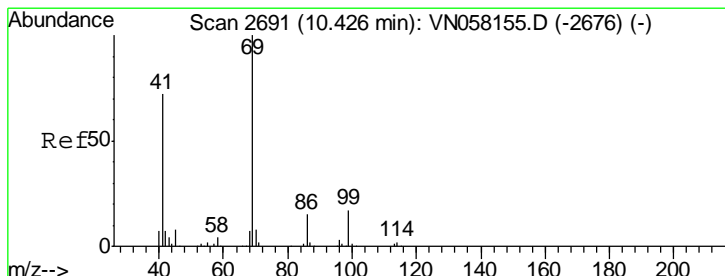
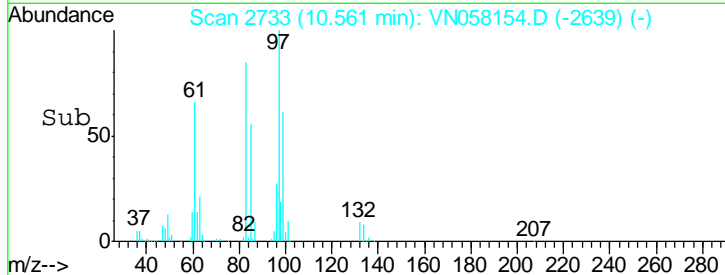
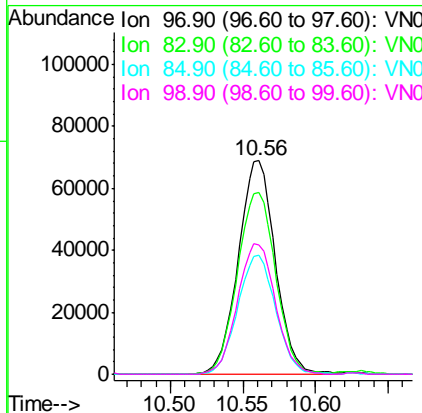
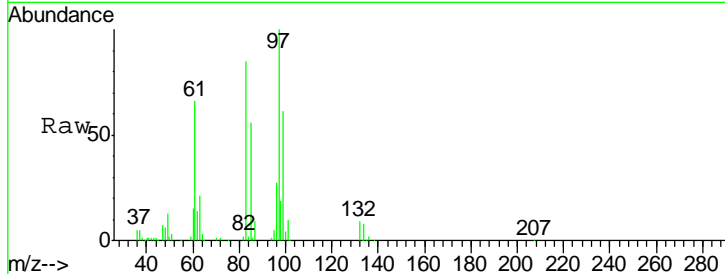
#55
 1,1,2-Trichloroethane
 Concen: 13.921 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
97	122551		
97	100		
83	85.3	70.4	105.6
85	55.6	46.8	70.2
99	60.8	49.9	74.9

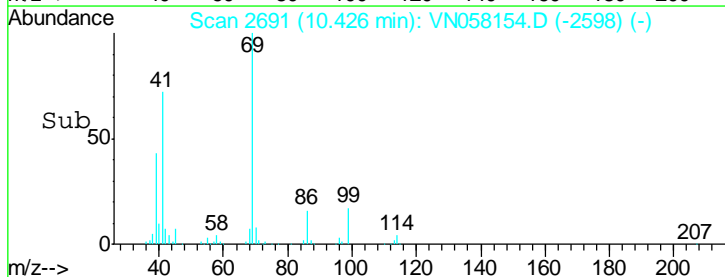
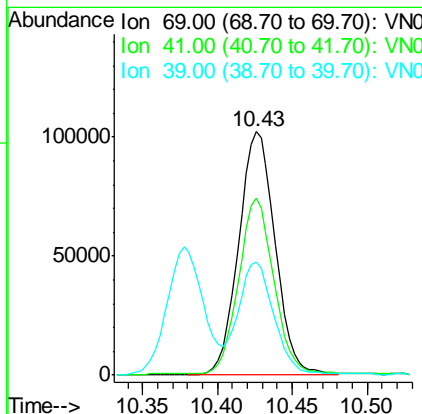
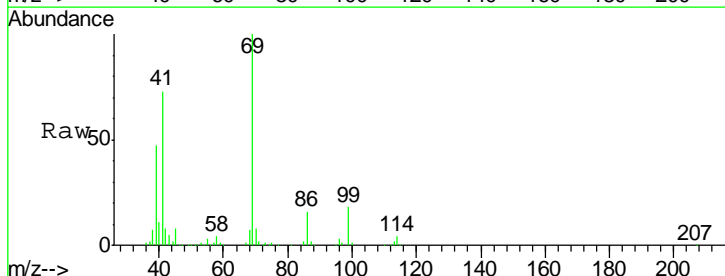
Manual Integrations
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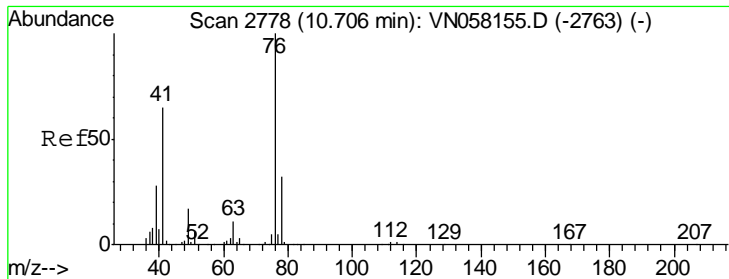
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#56
 Ethyl methacrylate
 Concen: 13.187 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
69	173920		
69	100		
41	69.6	57.5	86.3
39	45.1	36.1	54.1





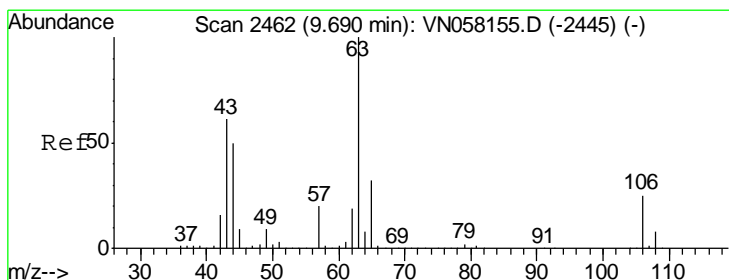
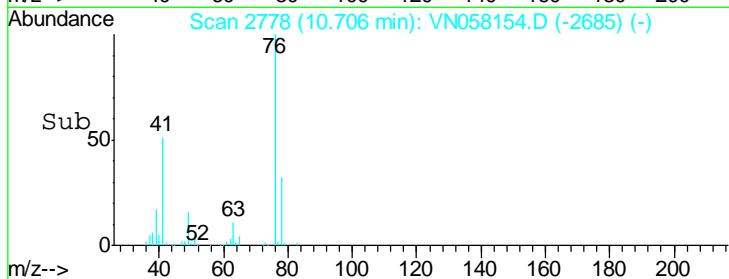
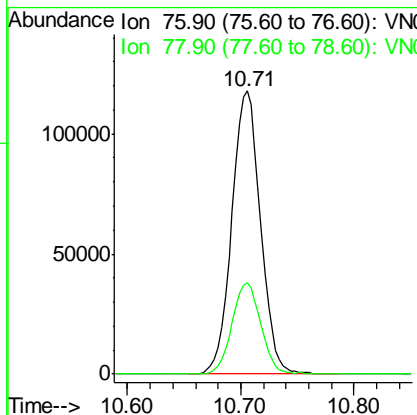
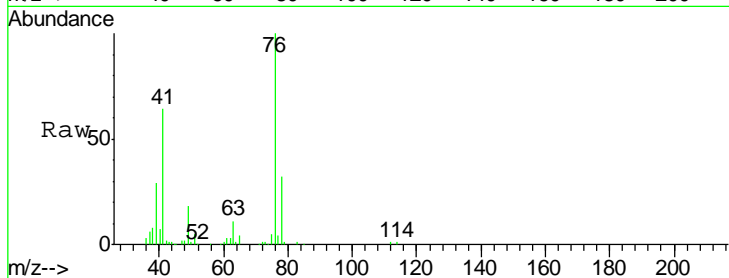
#57
 1,3-Dichloropropane
 Concen: 13.692 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	207784		
76	100		
78	32.4	25.4	38.0

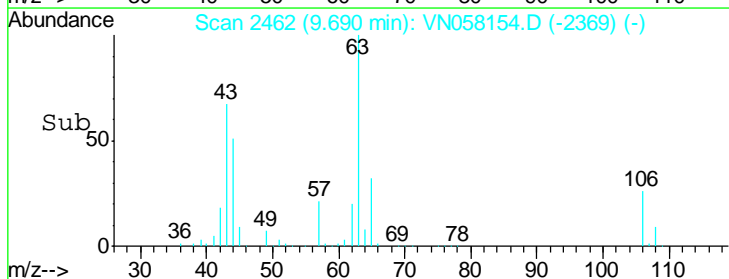
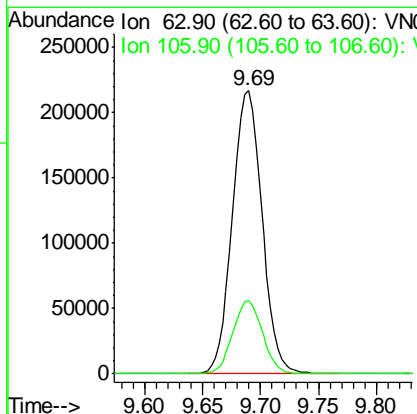
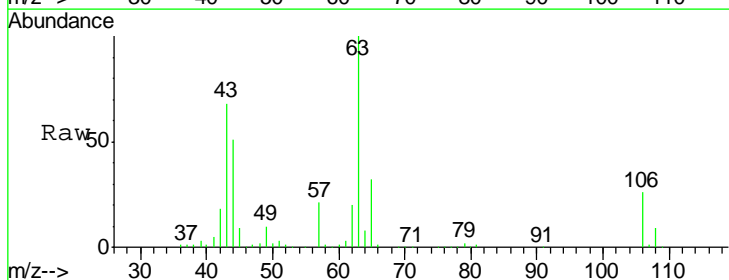
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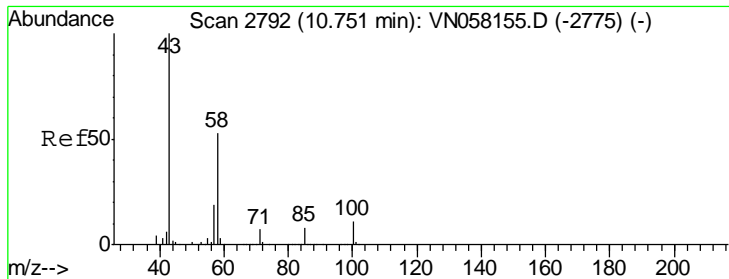
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#58
 2-Chloroethyl Vinyl ether
 Concen: 62.769 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
63	386214		
63	100		
106	25.9	19.9	29.9





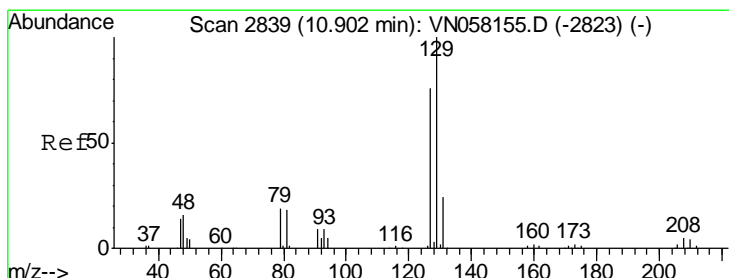
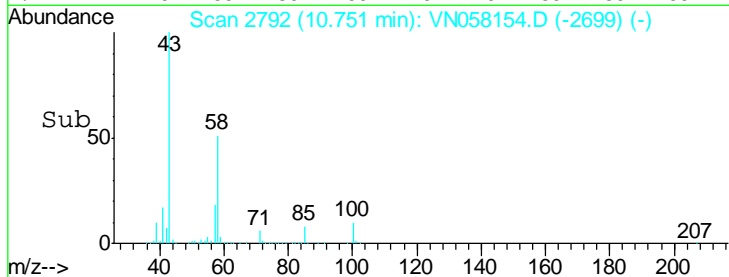
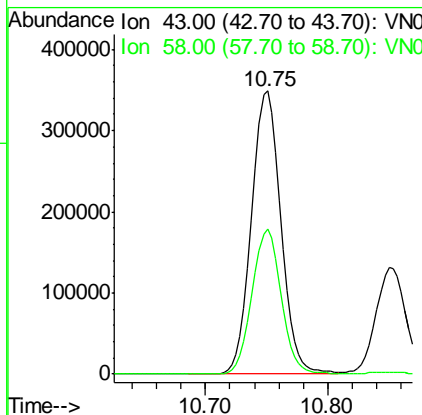
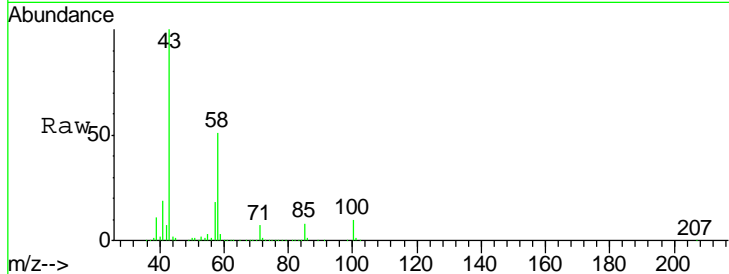
#59
 2-Hexanone
 Concen: 68.852 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	51.2	26.0	78.0

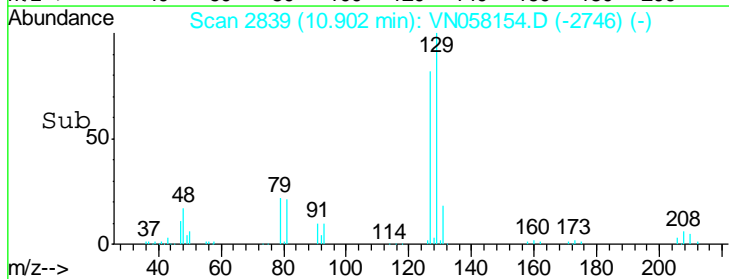
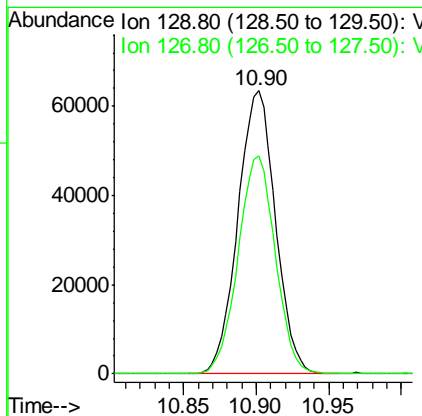
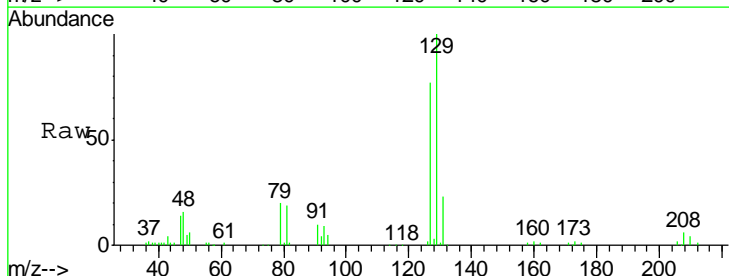
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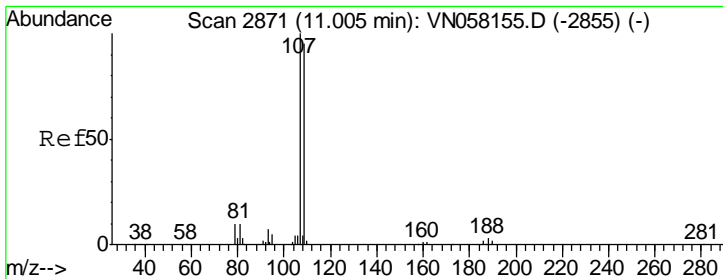
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#60
 Dibromochloromethane
 Concen: 14.029 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.1	38.7	116.1





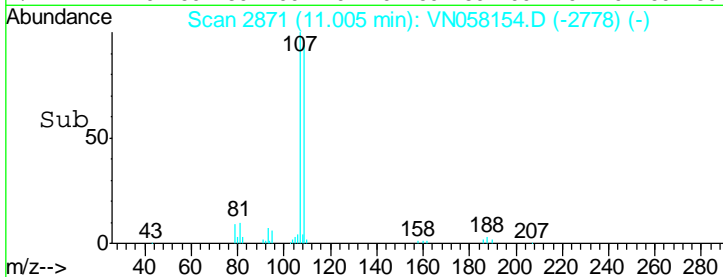
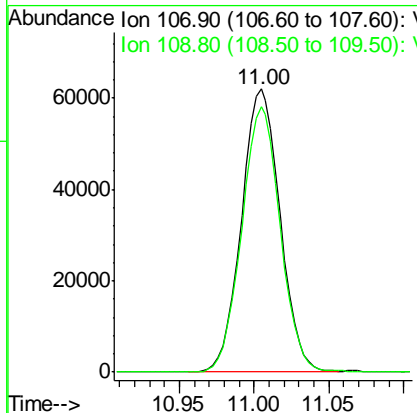
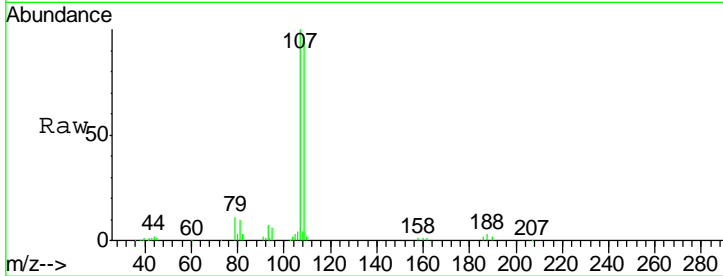
#61
 1,2-Dibromoethane
 Concen: 13.426 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
107	111438		
109	93.4	75.4	113.2

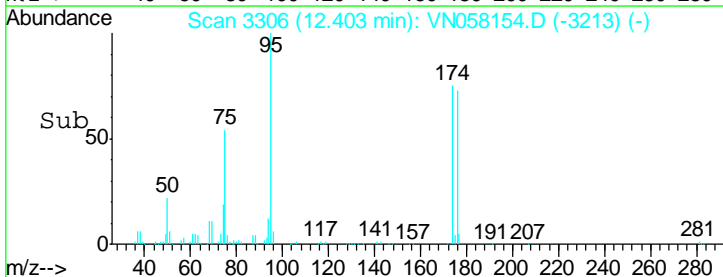
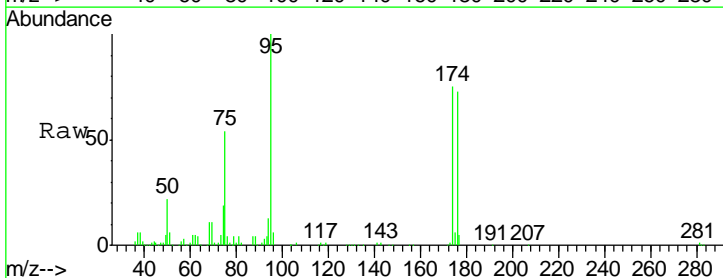
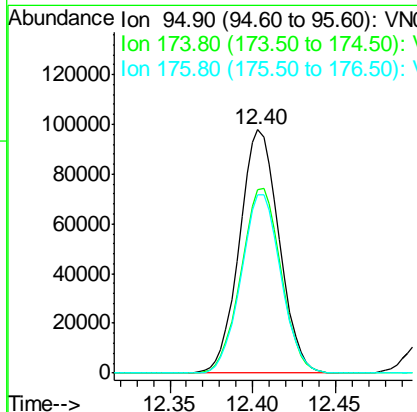
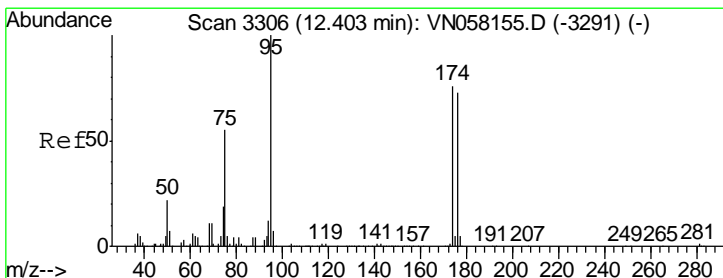
Manual Integrations
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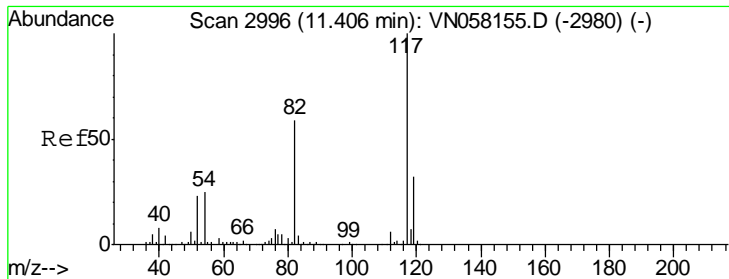
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#62
 4-Bromofluorobenzene
 Concen: 12.557 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
95	162426		
174	76.6	0.0	152.2
176	73.8	0.0	148.0





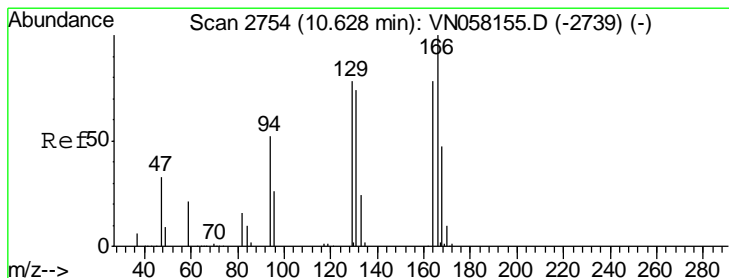
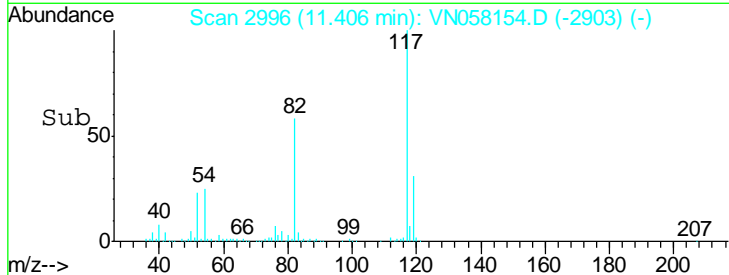
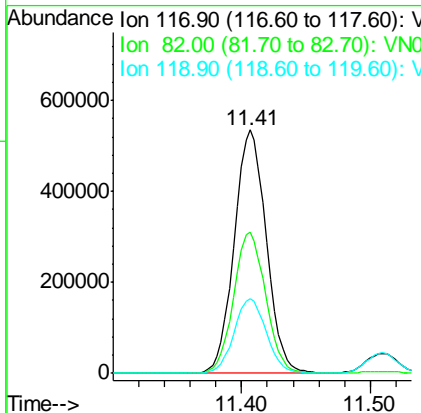
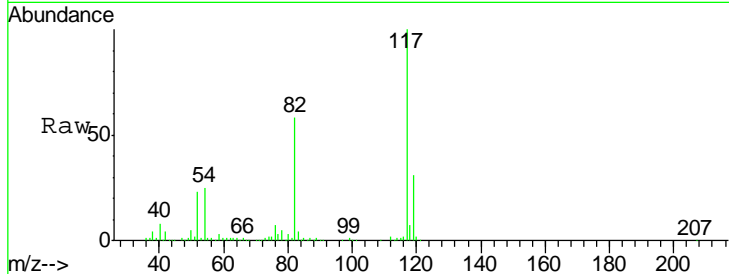
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
117	923371		
82	58.0	46.9	70.3
119	30.9	25.3	37.9

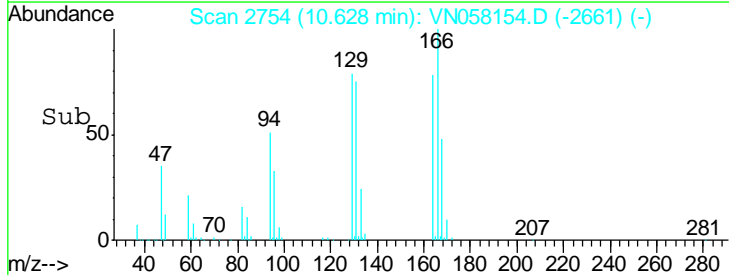
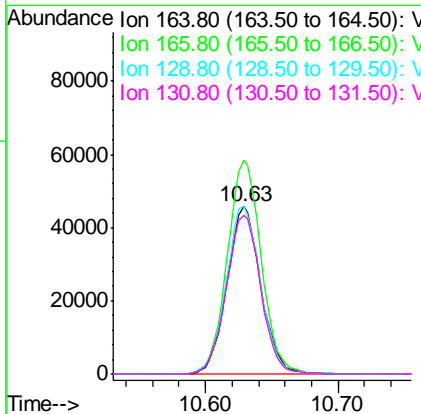
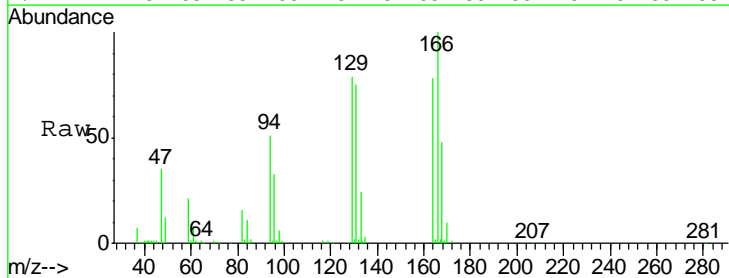
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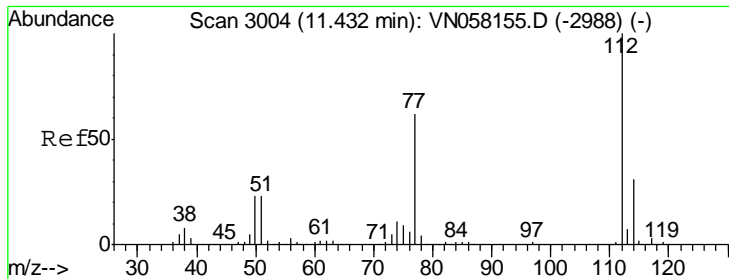
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#64
 Tetrachloroethene
 Concen: 12.529 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
164	80680		
166	127.7	102.2	153.4
129	100.5	79.6	119.4
131	95.2	76.0	114.0





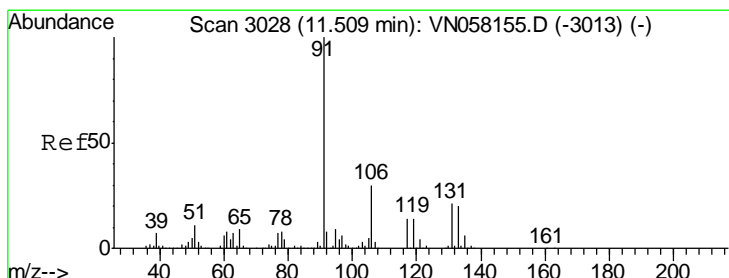
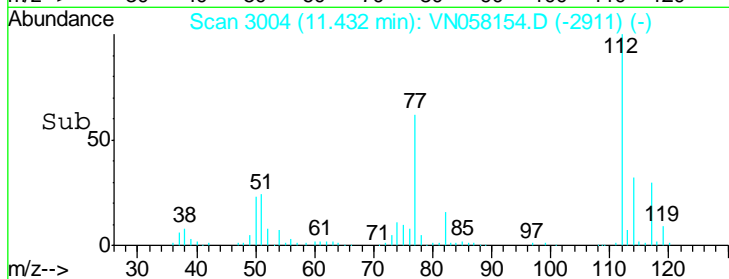
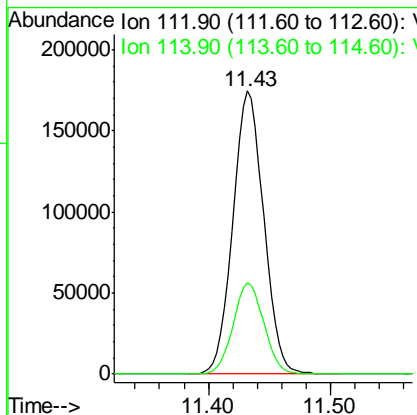
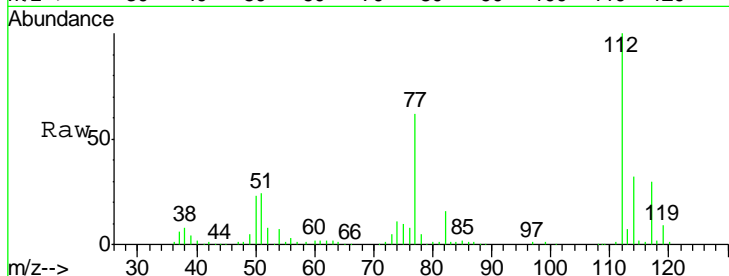
#65
 Chlorobenzene
 Concen: 13.481 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
112	306469		
114	32.3	25.1	37.7

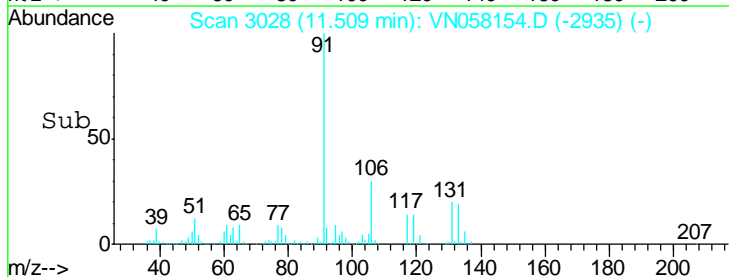
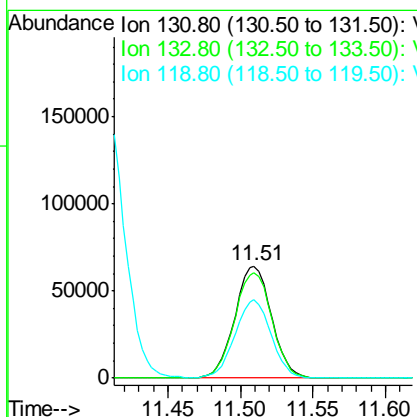
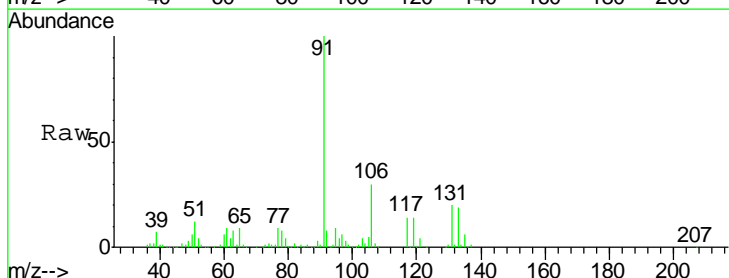
Manual Integrations
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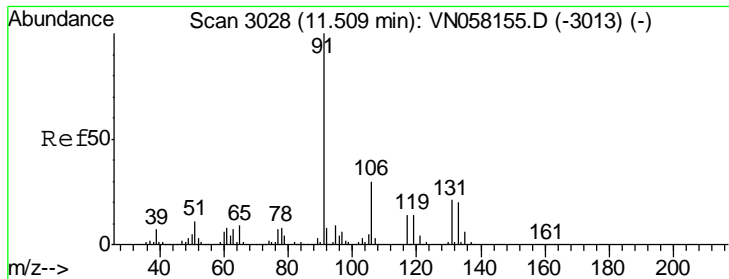
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 14.351 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
131	113492		
133	95.7	47.8	143.3
119	68.6	33.1	99.3





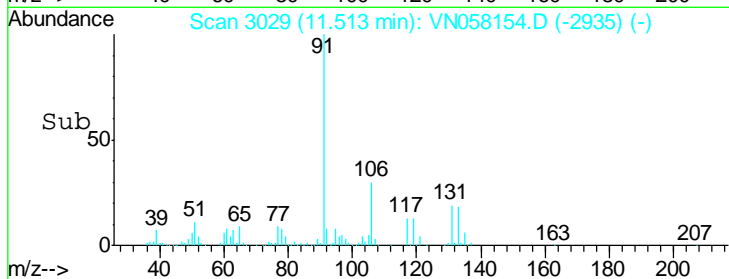
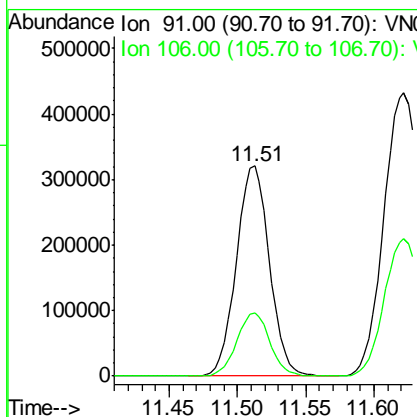
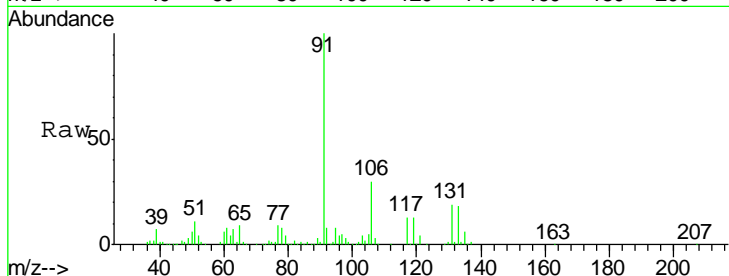
#67
 Ethyl Benzene
 Concen: 13.576 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.2	24.0	36.0

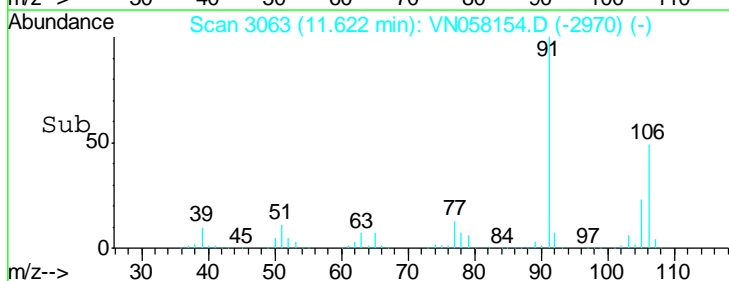
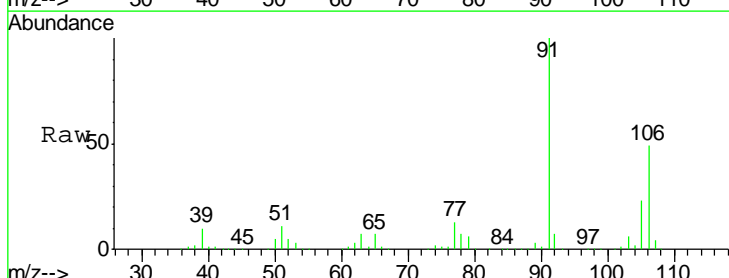
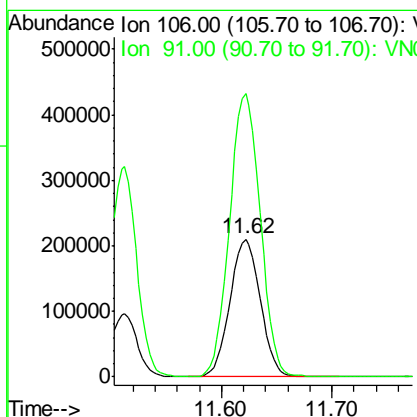
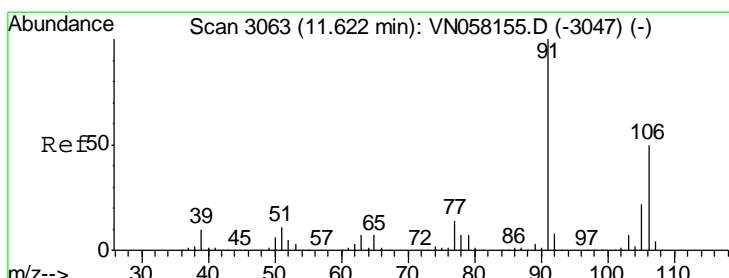
Manual Integrations
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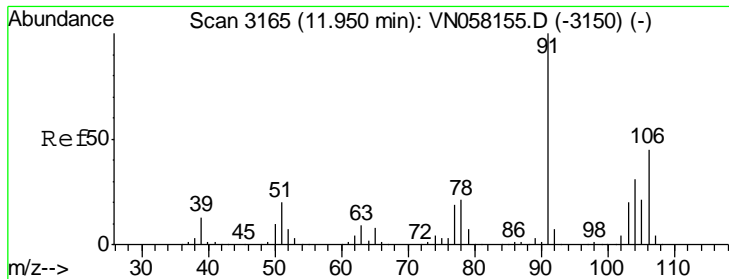
MMDadoda
 9/20/2019 1:14:19 PM



#68
 m/p-Xylenes
 Concen: 27.572 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
106	100		
91	208.1	163.6	245.4





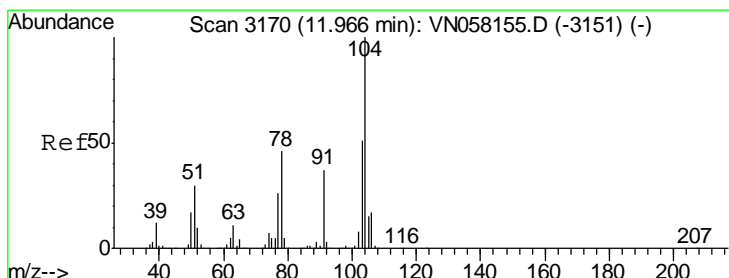
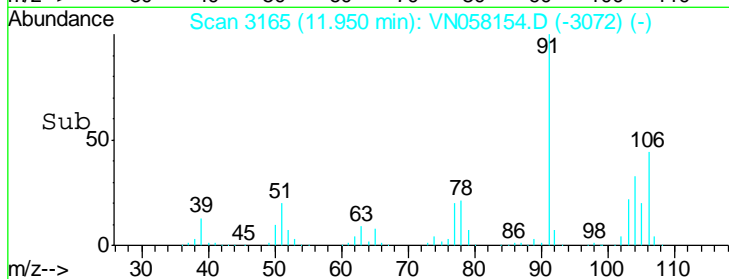
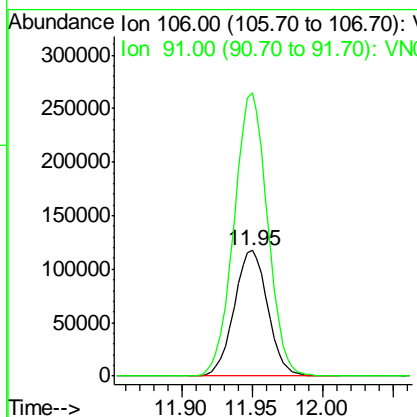
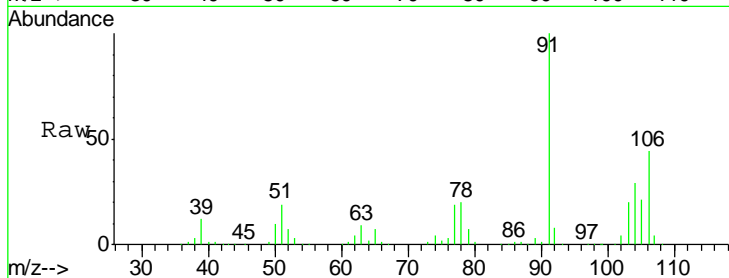
#69
 o-Xylene
 Concen: 13.548 ug/l
 RT: 11.95 min Scan# 3165
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
106	195694		
106	100		
91	224.7	111.8	335.3

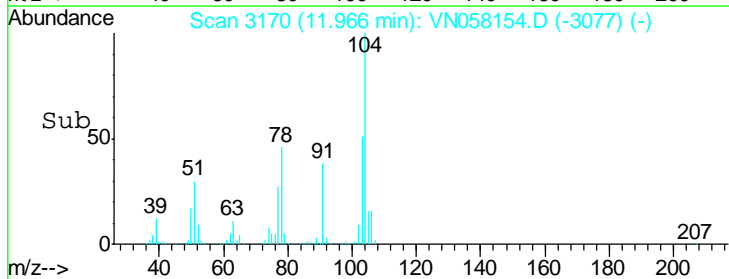
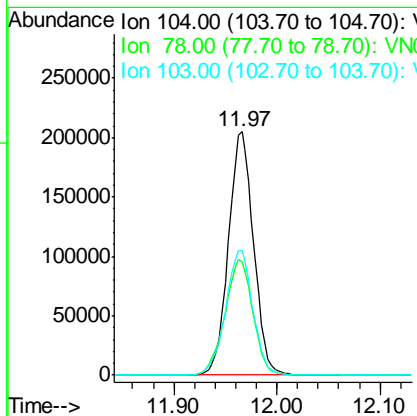
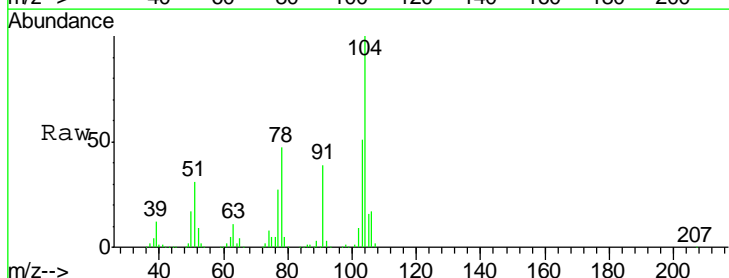
Manual Integrations
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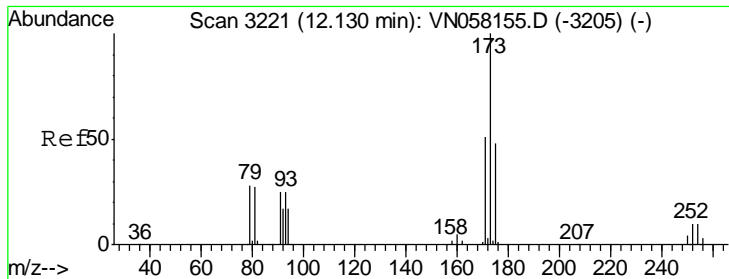
MMDadoda
 9/20/2019 1:14:19 PM



#70
 Styrene
 Concen: 14.003 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
104	348035		
104	100		
78	52.8	41.8	62.8
103	55.5	44.2	66.2





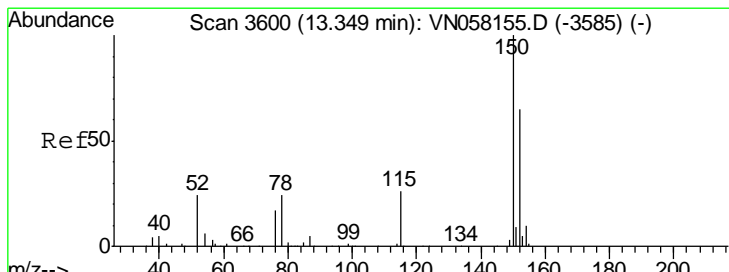
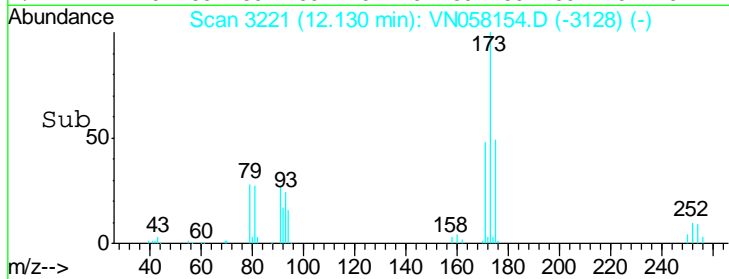
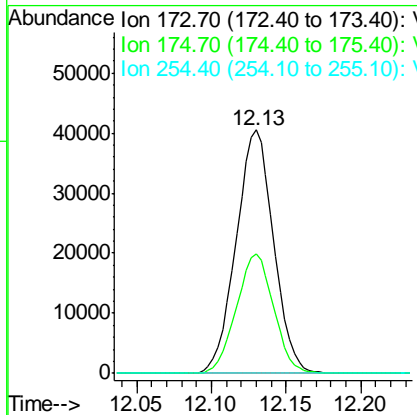
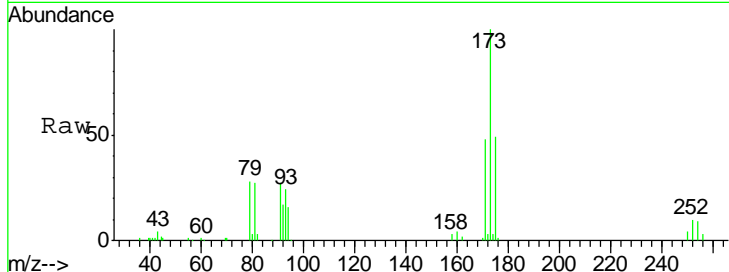
#71
 Bromoform
 Concen: 14.353 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.6	24.2	72.6
254	0.0	0.1	0.1

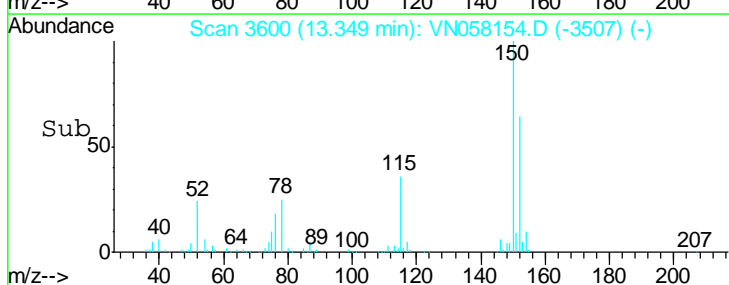
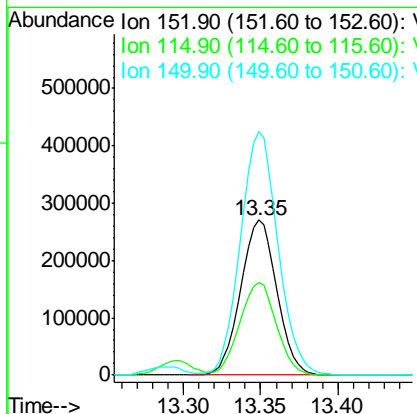
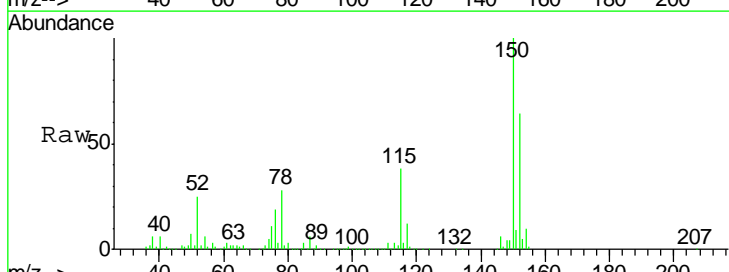
Manual Integrations
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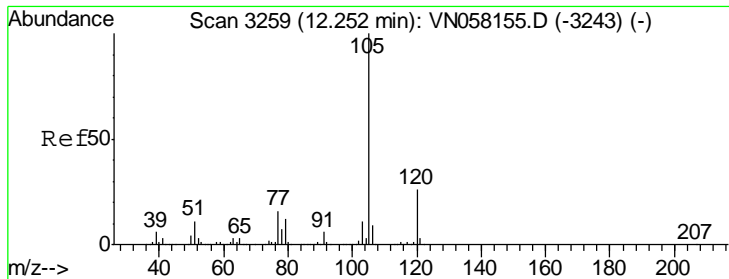
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	163.1	0.0	346.4





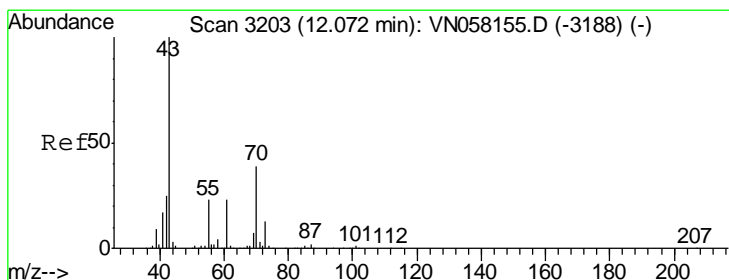
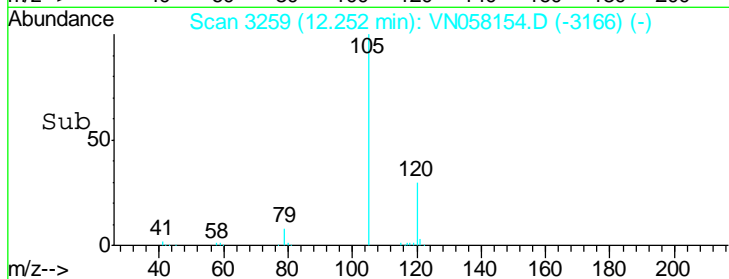
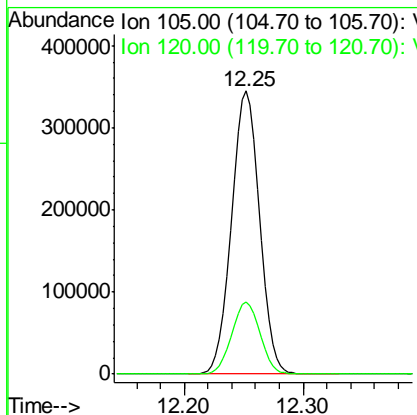
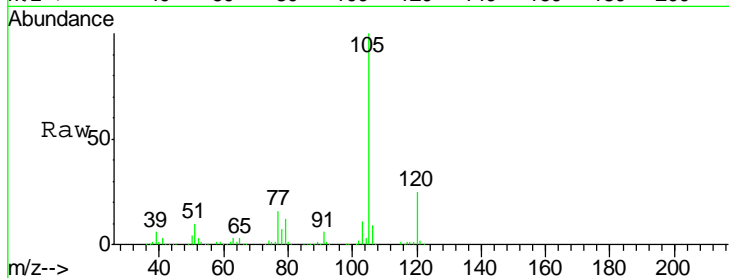
#73
 Isopropylbenzene
 Concen: 17.052 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	100		
120	25.8	12.8	38.3

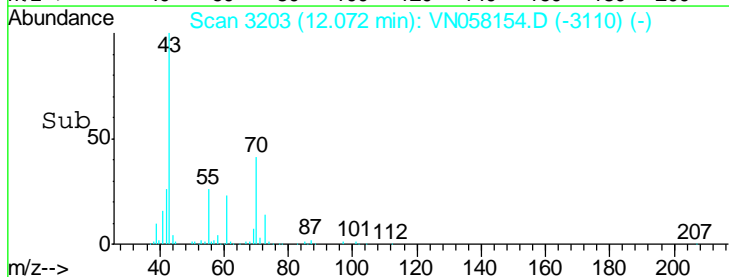
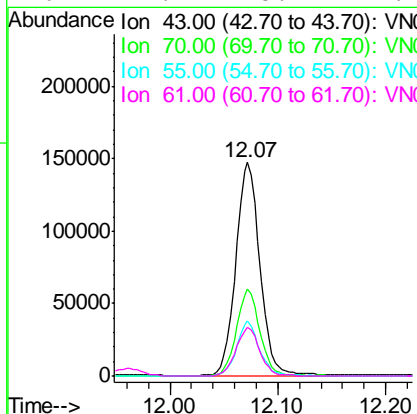
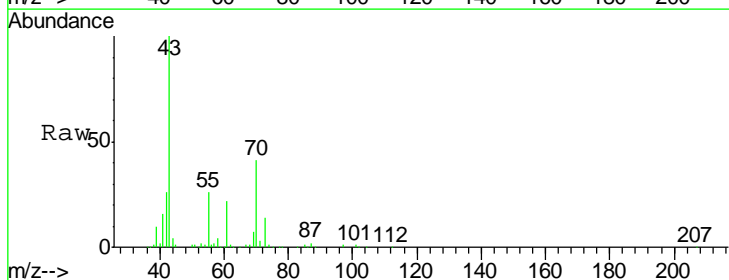
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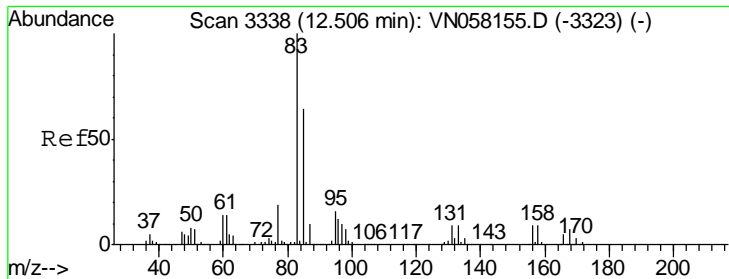
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#74
 N-amyl acetate
 Concen: 16.117 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
43	100		
70	39.6	31.0	46.6
55	24.2	18.5	27.7
61	22.4	18.2	27.2





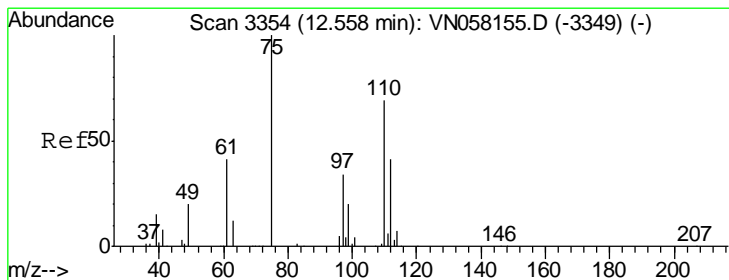
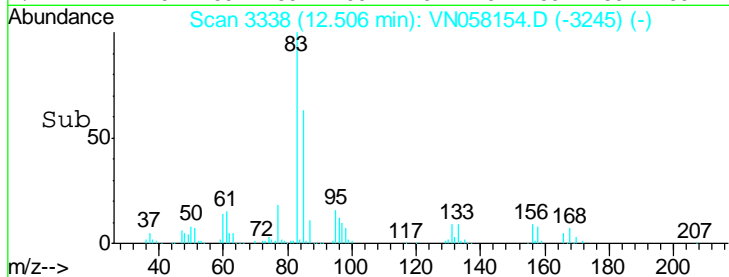
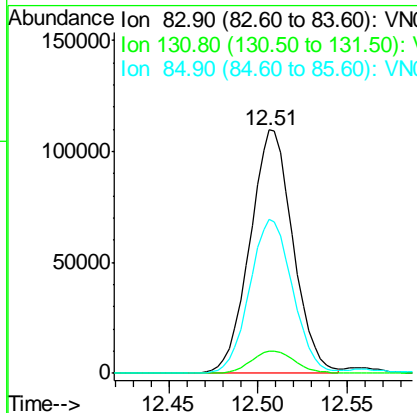
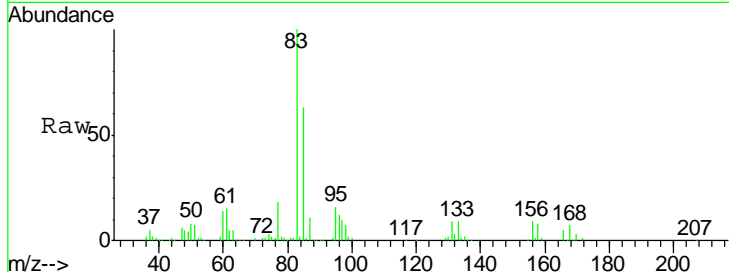
#75
 1,1,2,2-Tetrachloroethane
 Concen: 16.677 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	185115		
83	100		
131	9.6	4.8	14.3
85	63.3	31.9	95.5

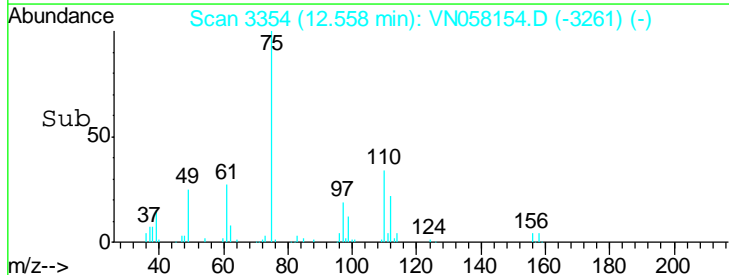
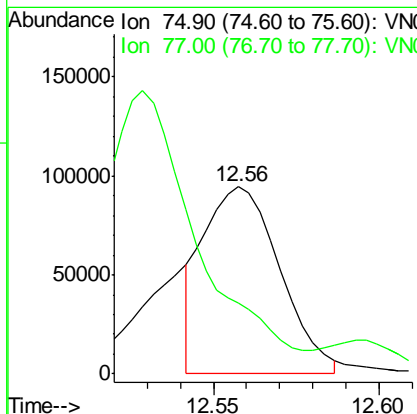
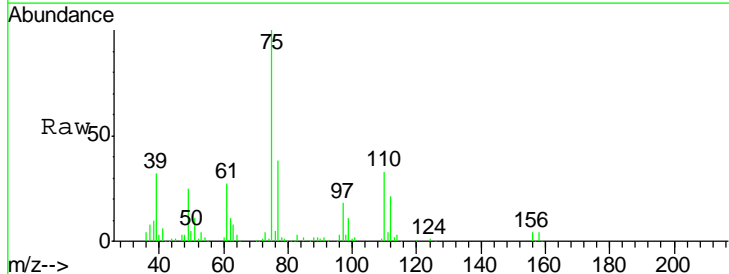
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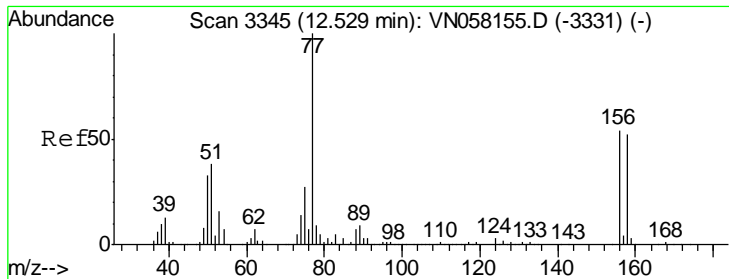
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#76
 1,2,3-Trichloropropane
 Concen: 15.956 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
75	152394		
75	100		
77	0.0	0.0	0.0





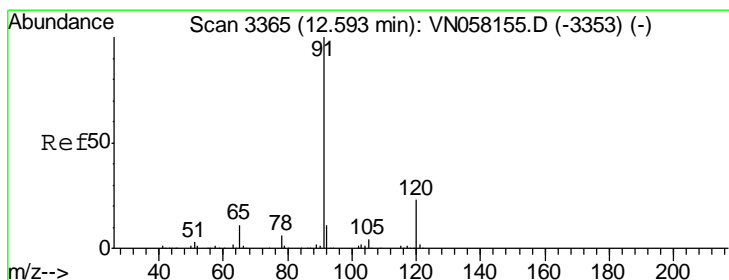
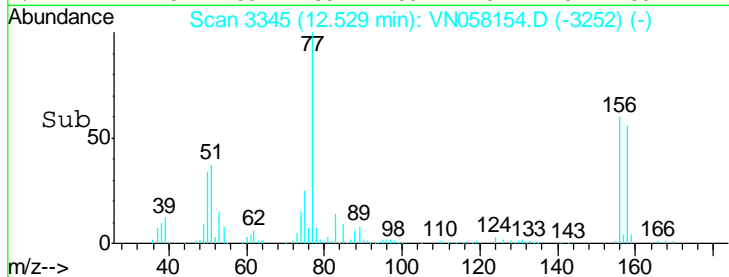
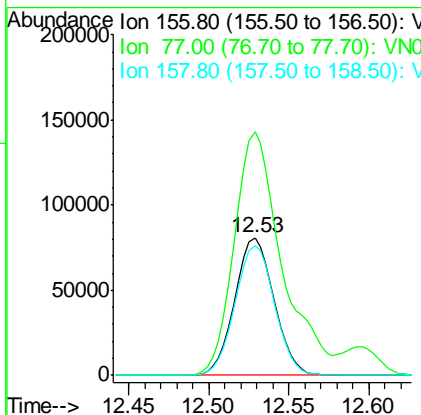
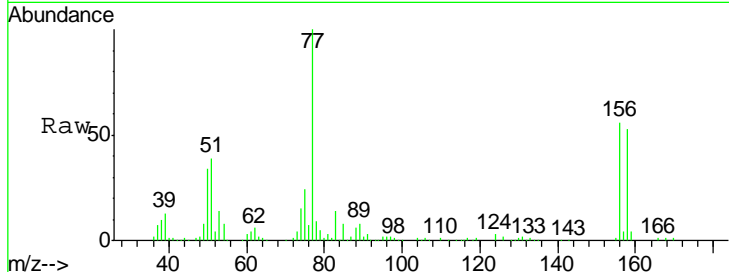
#77
 Bromobenzene
 Concen: 16.288 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	134686		
77	215.9	111.7	335.1
158	95.0	47.9	143.8

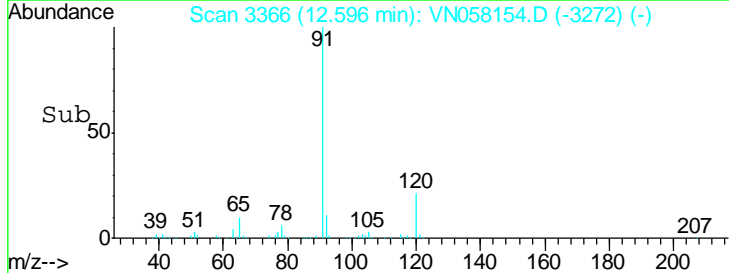
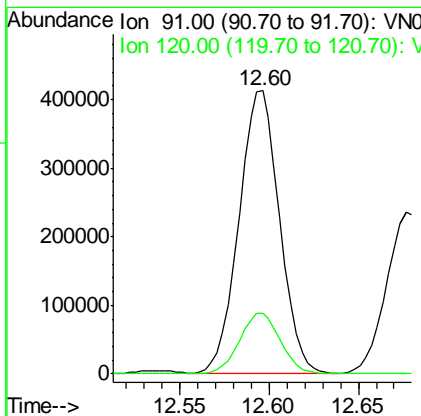
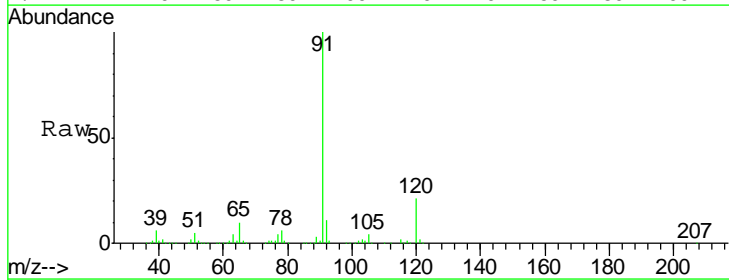
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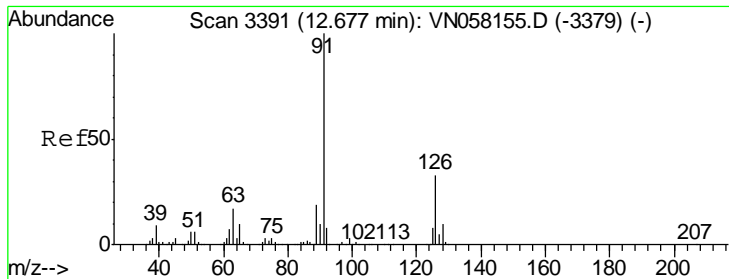
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#78
 n-propylbenzene
 Concen: 17.280 ug/l
 RT: 12.60 min Scan# 3366
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
91	653621		
120	21.6	11.1	33.3





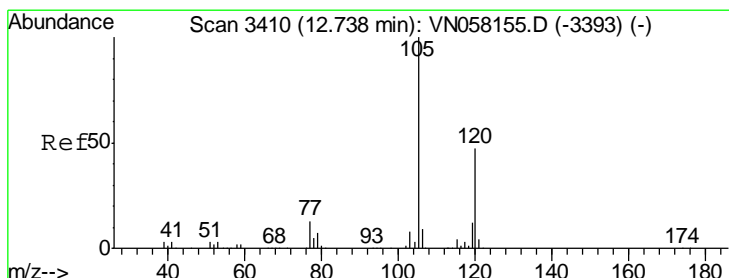
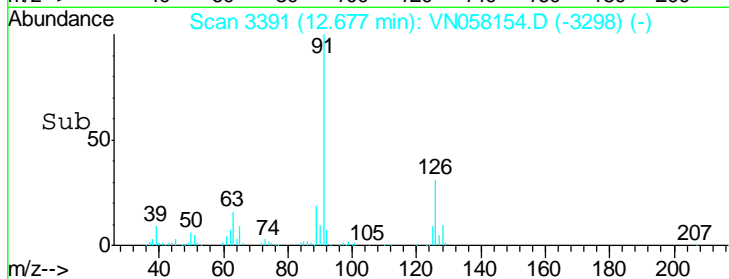
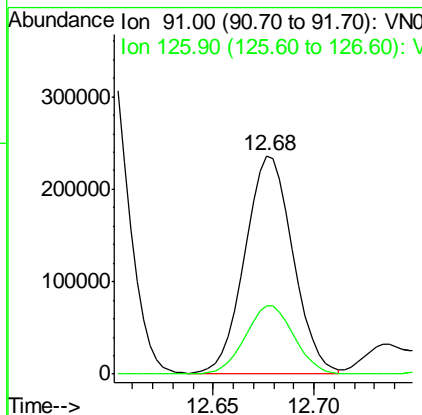
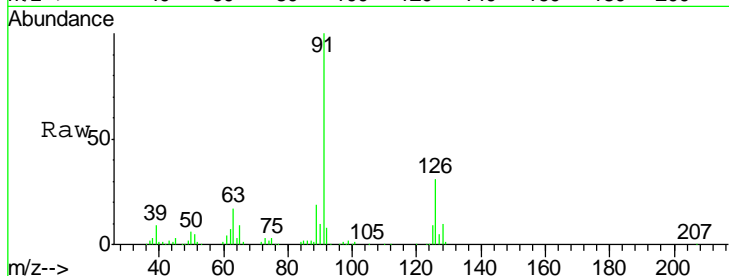
#79
 2-Chlorotoluene
 Concen: 16.321 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	391160	100	
126	31.9	16.4	49.1

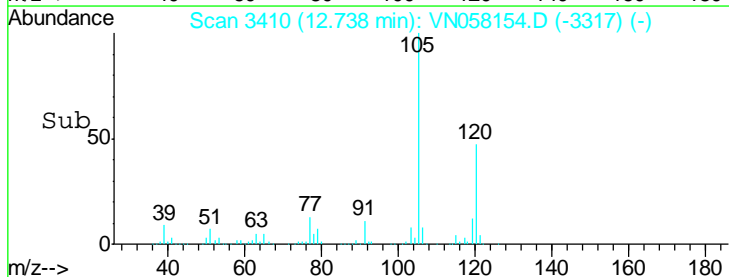
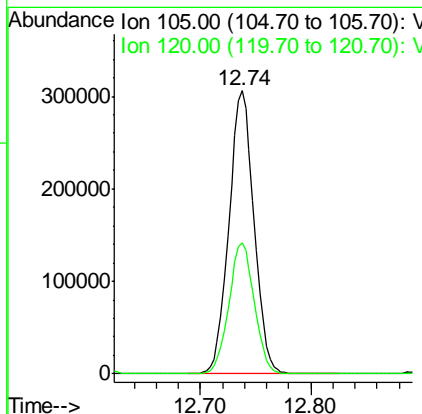
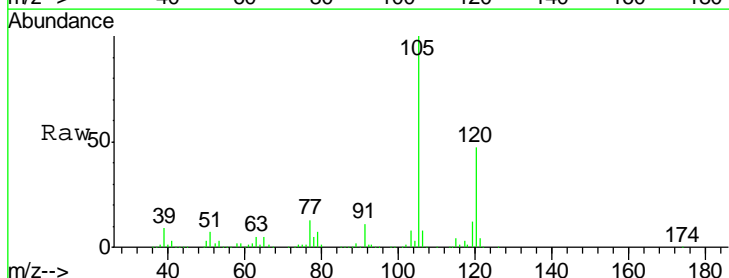
Manual Integrations
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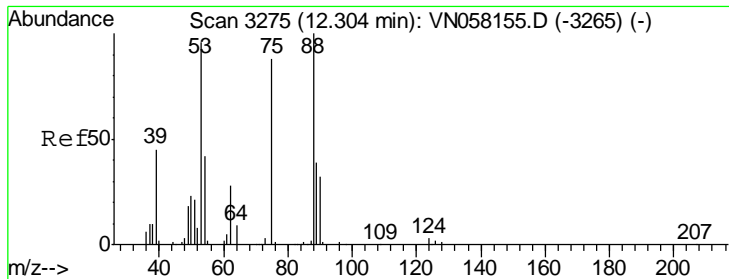
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#80
 1,3,5-Trimethylbenzene
 Concen: 17.240 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
105	481047	100	
120	47.1	23.4	70.0





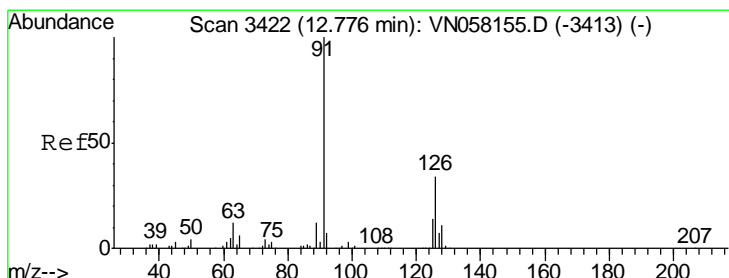
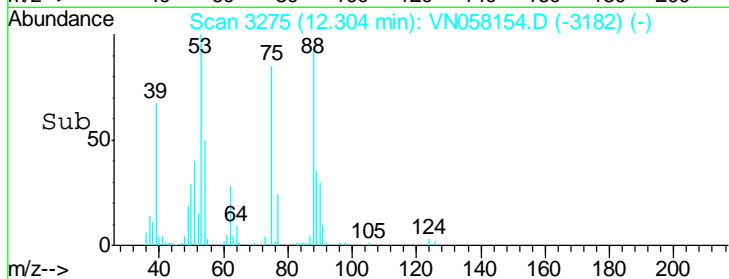
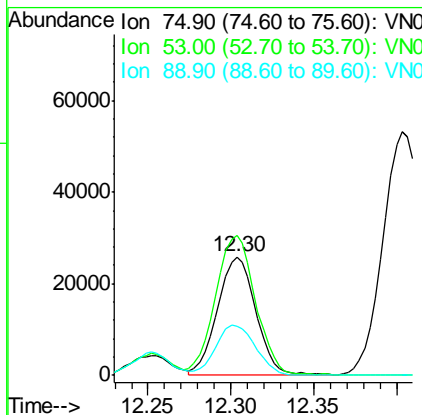
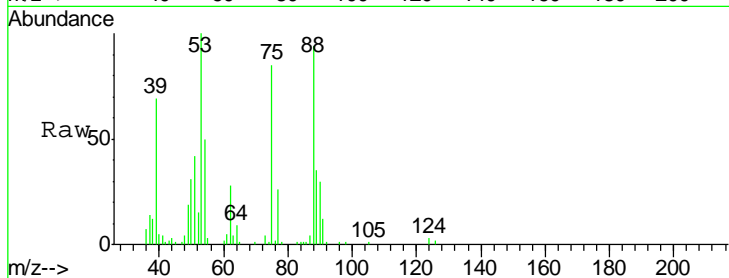
#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.501 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	41883		
75	100		
53	122.0	90.1	135.1
89	44.0	36.2	54.2

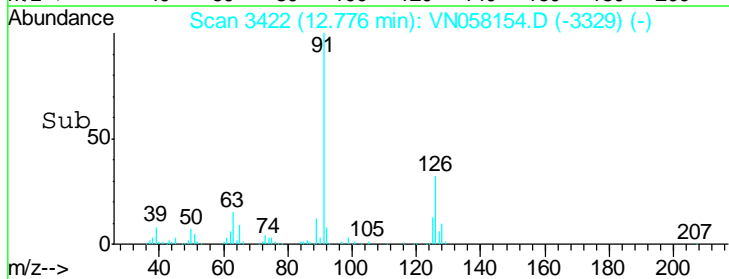
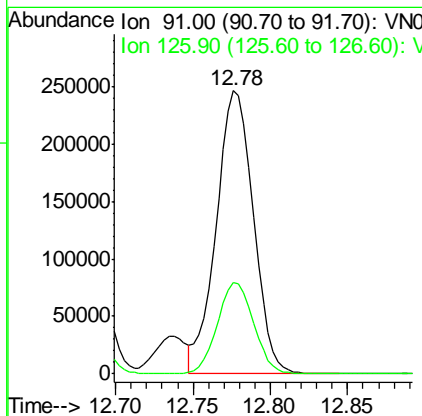
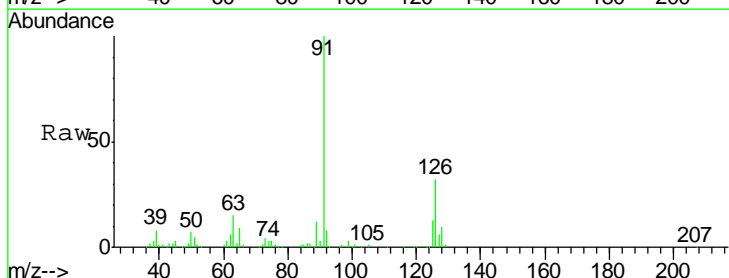
Manual Integrations
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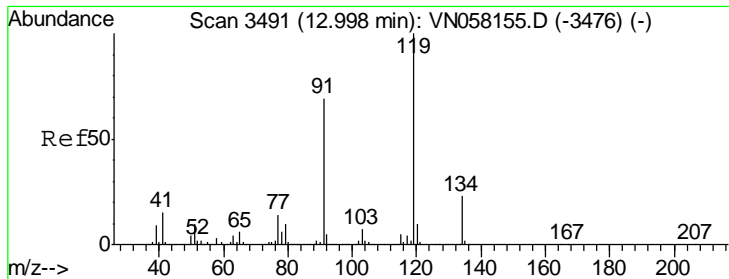
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#82
 4-Chlorotoluene
 Concen: 16.617 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
91	409025		
91	100		
126	31.7	15.7	47.1





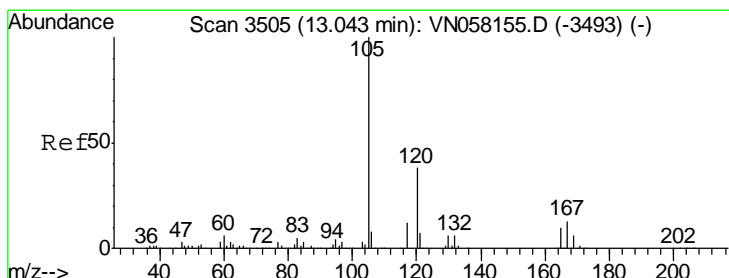
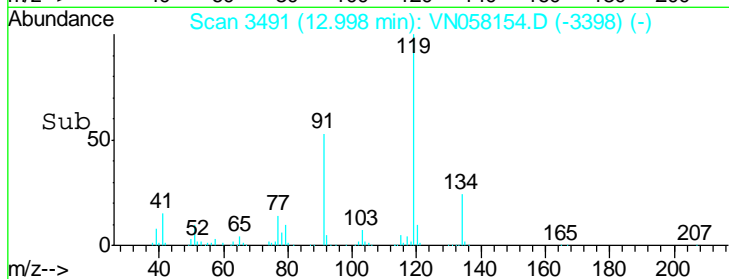
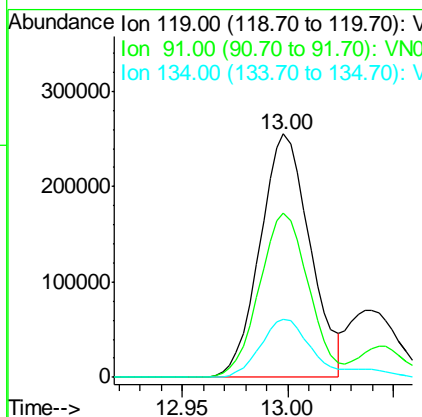
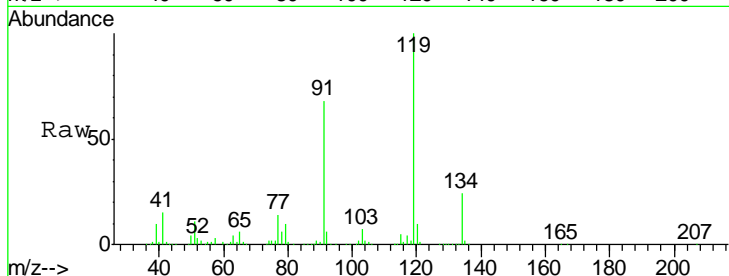
#83
 tert-Butylbenzene
 Concen: 17.022 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
119	422052		
91	66.7	33.8	101.3
134	26.3	11.6	34.8

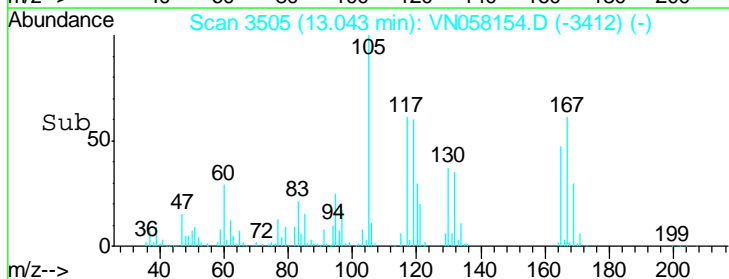
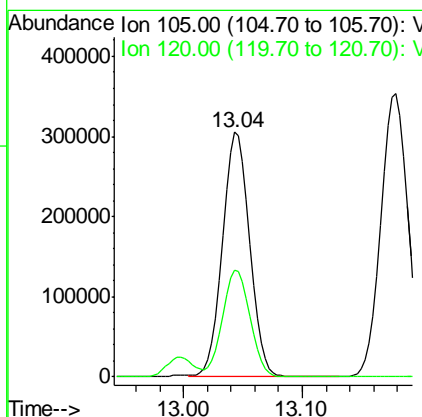
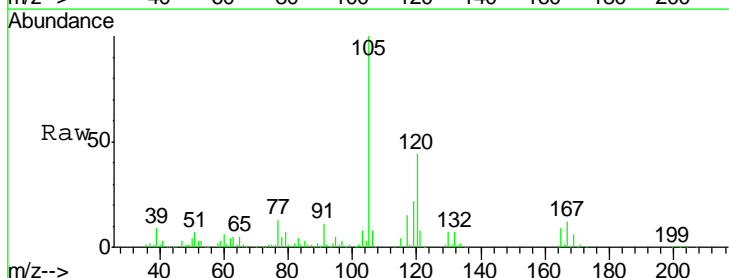
Manual Integrations
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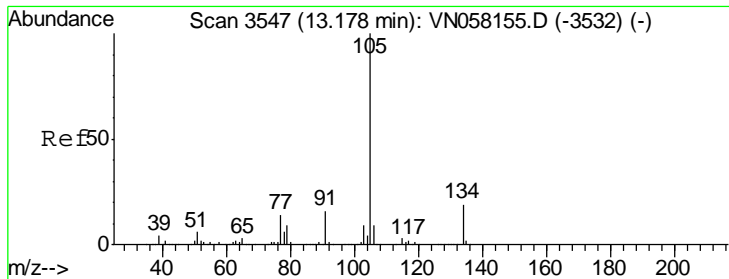
MMDadoda
 9/20/2019 1:14:19 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.048 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
105	482120		
120	44.2	22.1	66.5





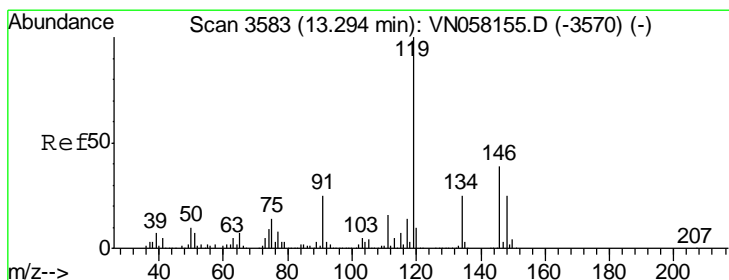
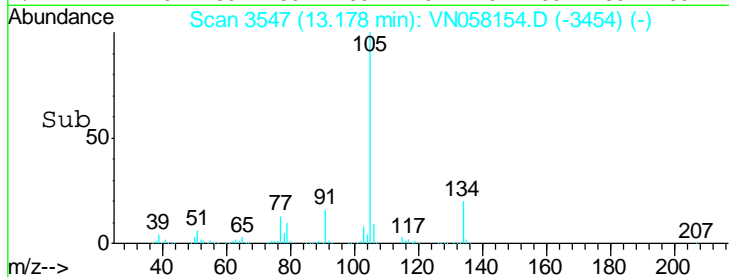
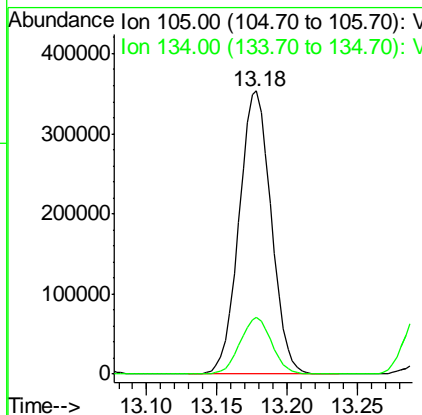
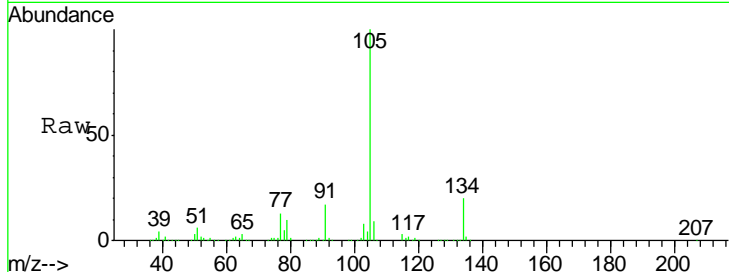
#85
 sec-Butylbenzene
 Concen: 17.165 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	563329		
134	19.7	9.5	28.5

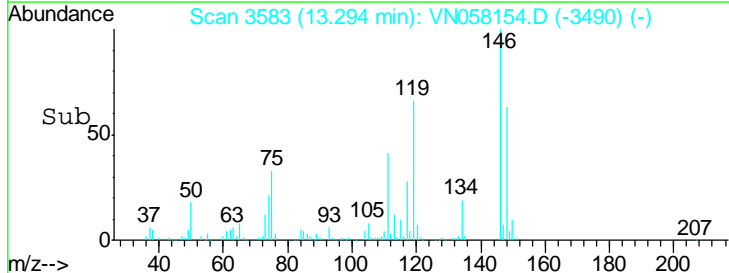
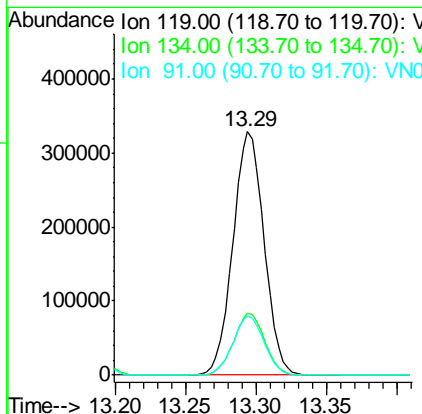
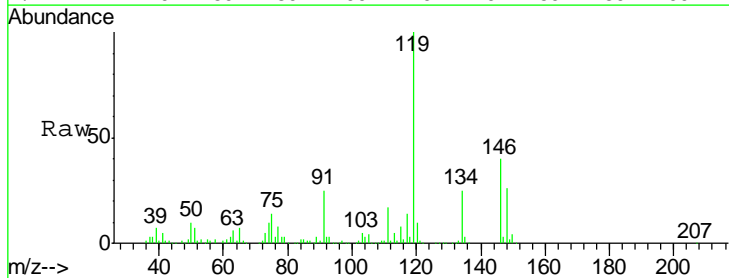
Manual Integrations
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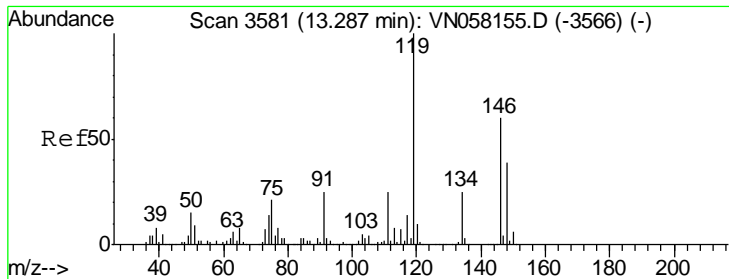
MMDadoda
 9/20/2019 1:14:19 PM



#86
 p-Isopropyltoluene
 Concen: 17.581 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
119	507686		
134	25.6	12.7	38.0
91	24.5	12.3	36.8





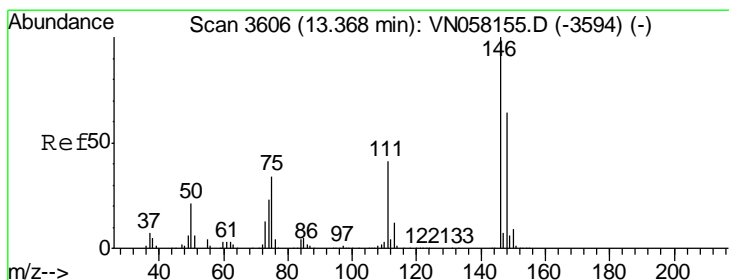
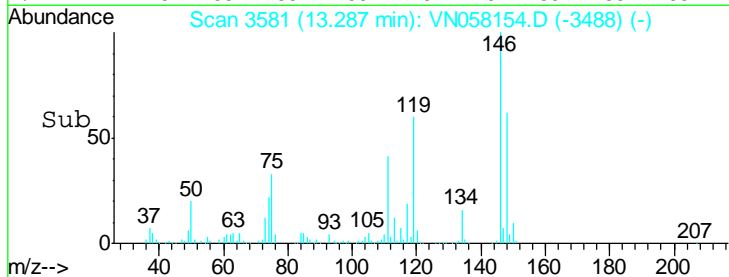
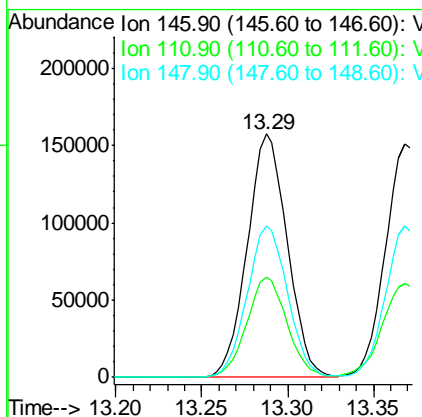
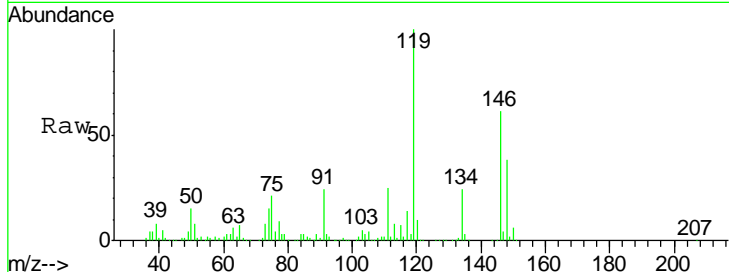
#87
 1,3-Dichlorobenzene
 Concen: 16.816 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	254001		
146	100		
111	41.4	20.9	62.8
148	63.0	32.0	96.2

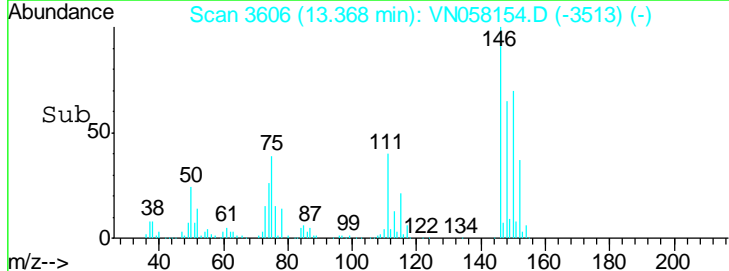
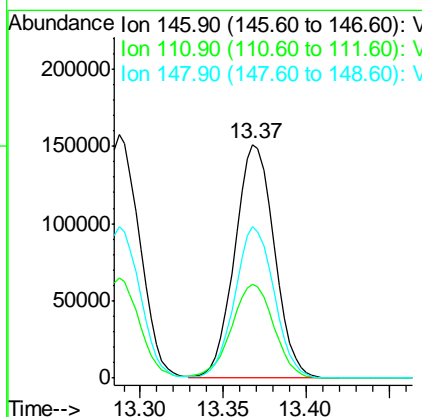
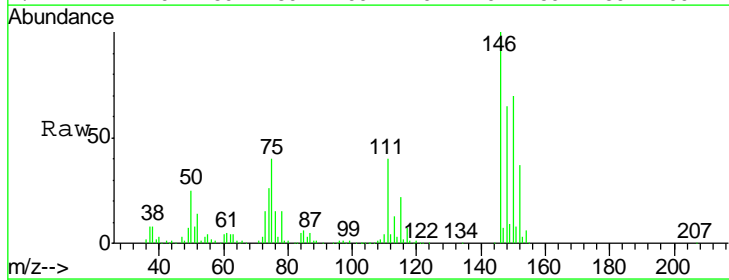
Manual Integrations
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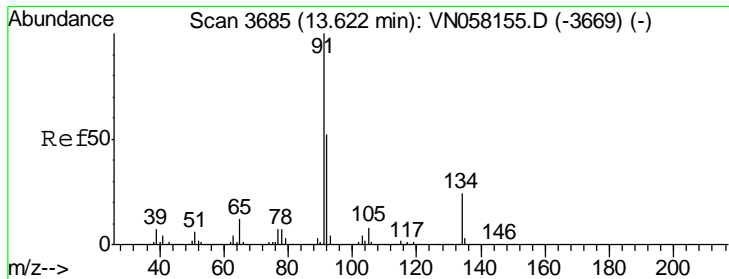
MMDadoda
 9/20/2019 1:14:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 16.214 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
146	249452		
146	100		
111	43.5	20.5	61.5
148	65.2	31.9	95.5





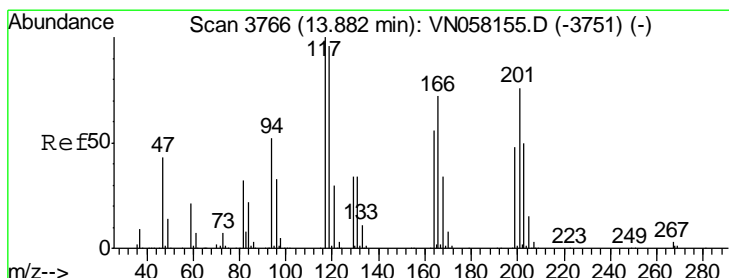
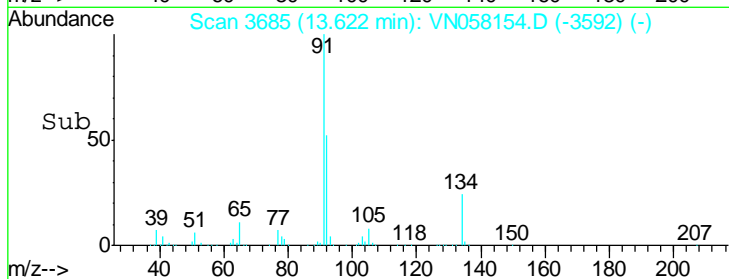
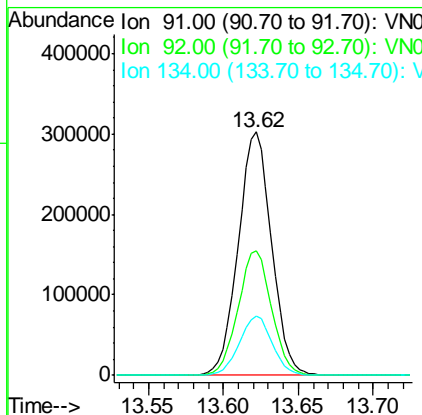
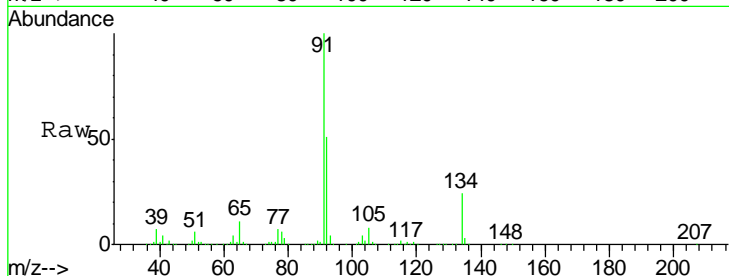
#89
 n-Butylbenzene
 Concen: 17.144 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	24.1	11.8	35.4

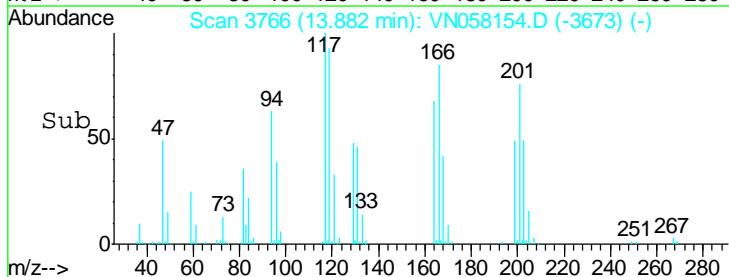
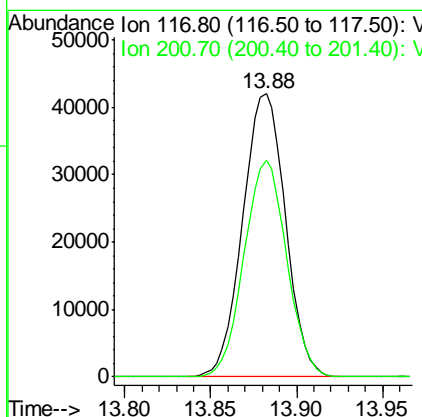
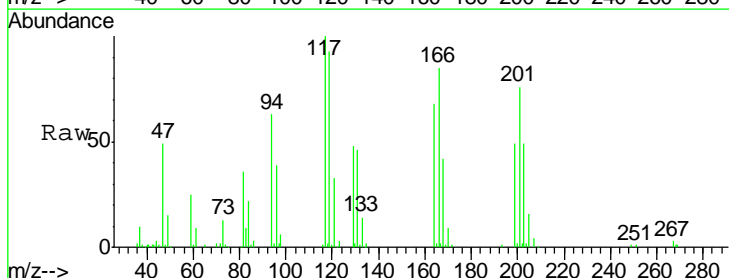
Manual Integrations
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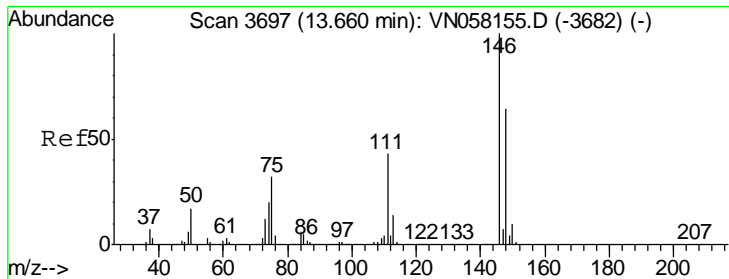
MMDadoda
 9/20/2019 1:14:19 PM



#90
 Hexachloroethane
 Concen: 16.794 ug/l
 RT: 13.88 min Scan# 3766
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
117	100		
201	76.2	37.5	112.5



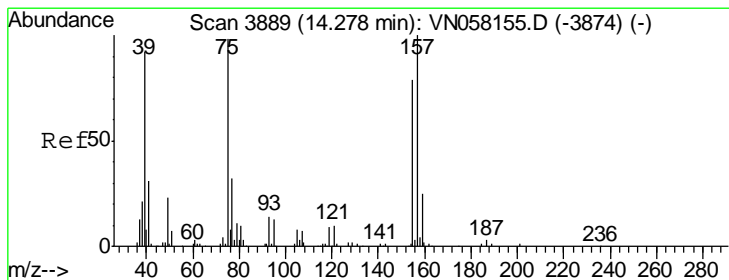
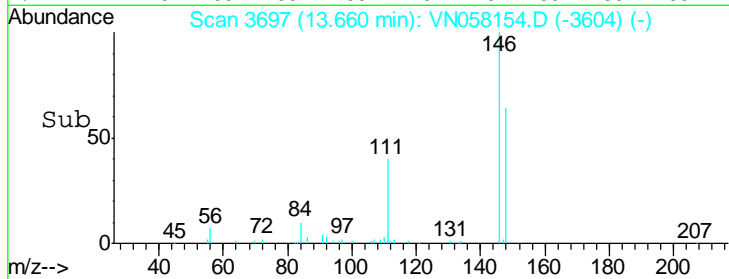
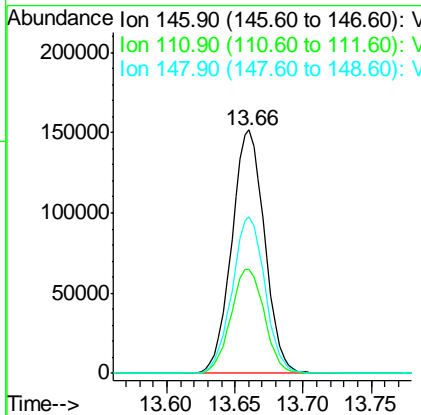
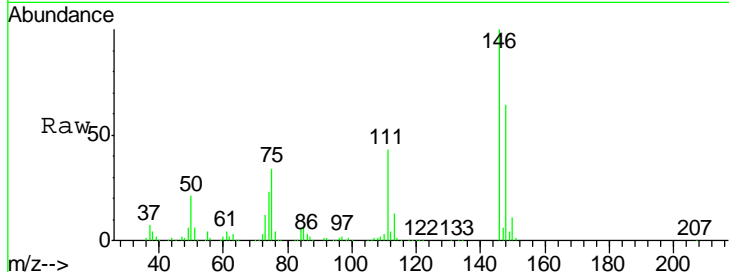


#91
 1,2-Dichlorobenzene
 Concen: 16.765 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

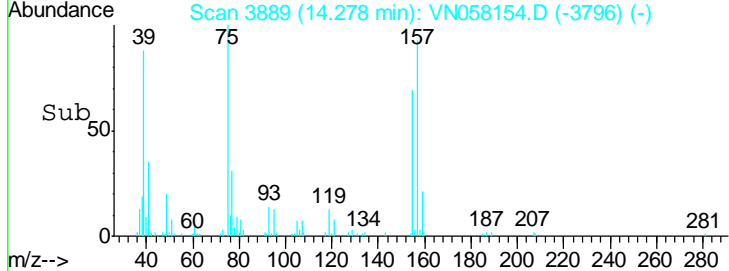
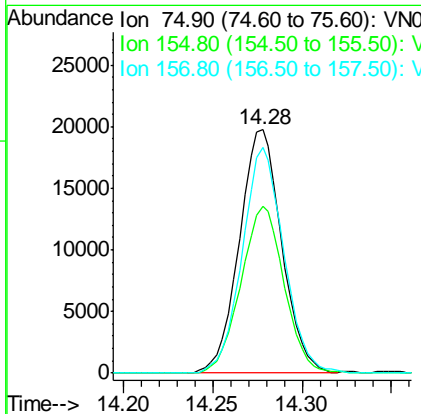
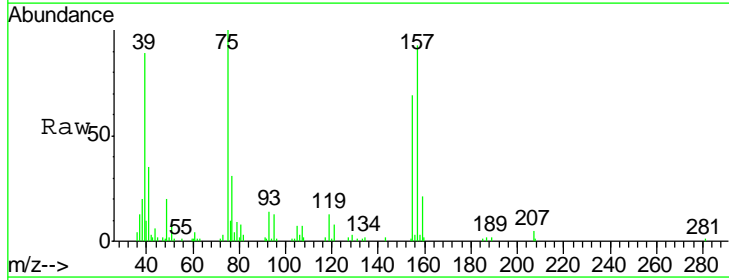
Tgt Ion	Resp	Lower	Upper
146	253674		
111	43.6	21.1	63.1
148	64.3	31.8	95.4

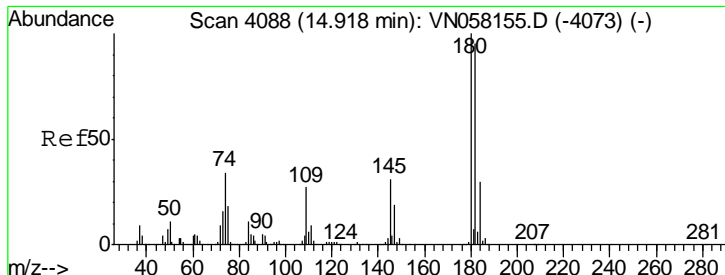
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.826 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
75	32818		
155	70.0	38.3	114.8
157	91.0	48.0	144.0





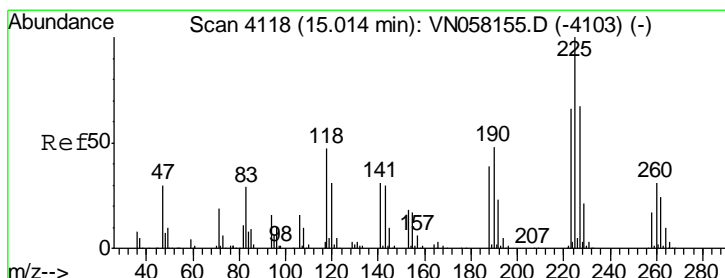
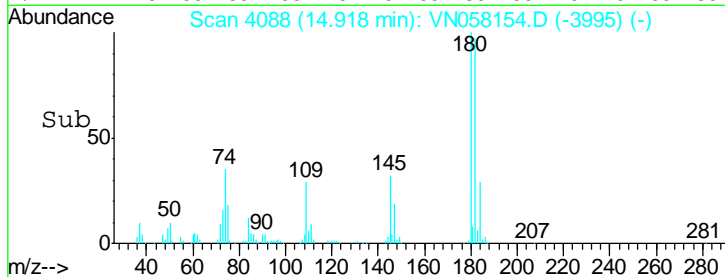
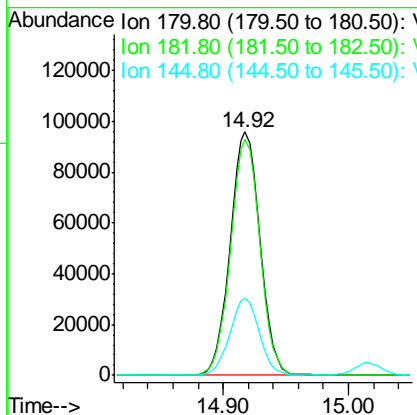
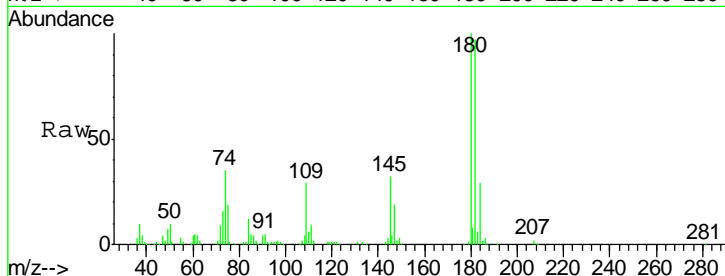
#93
 1,2,4-Trichlorobenzene
 Concen: 15.796 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	157929		
182	95.9	47.8	143.3
145	31.2	15.4	46.4

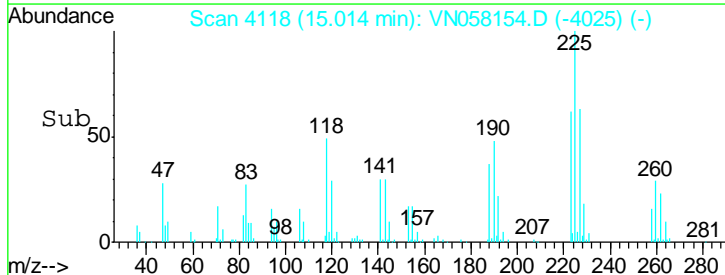
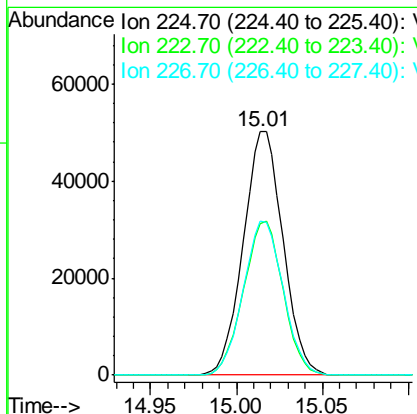
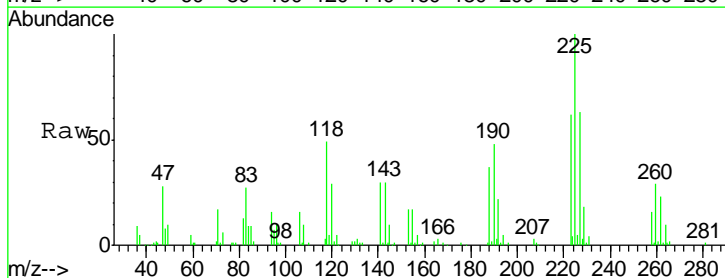
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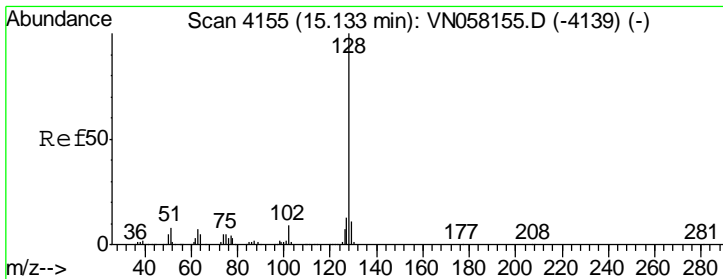
MMDadoda
 9/20/2019 1:14:19 PM



#94
 Hexachlorobutadiene
 Concen: 18.743 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
225	80346		
223	62.8	32.6	97.7
227	63.6	33.0	99.0





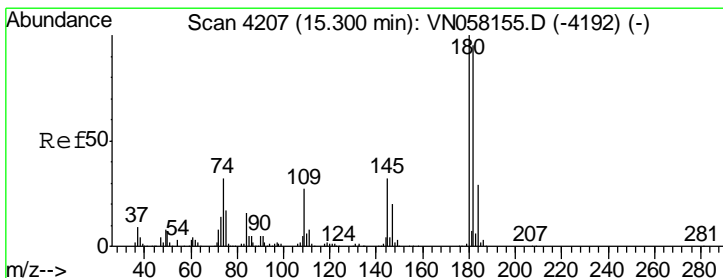
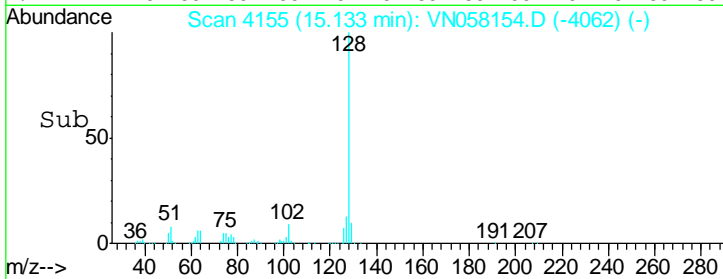
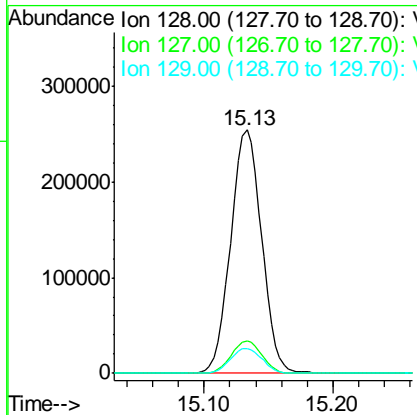
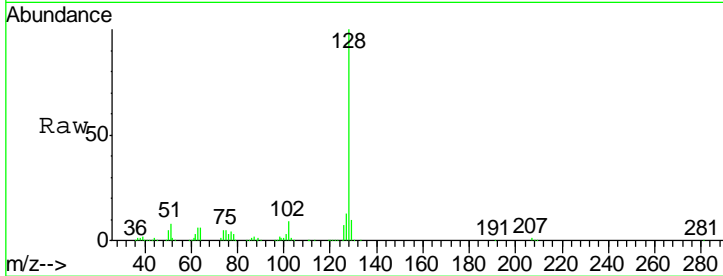
#95
 Naphthalene
 Concen: 14.825 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
128	424679		
127	13.3	10.2	15.2
129	10.5	8.6	12.8

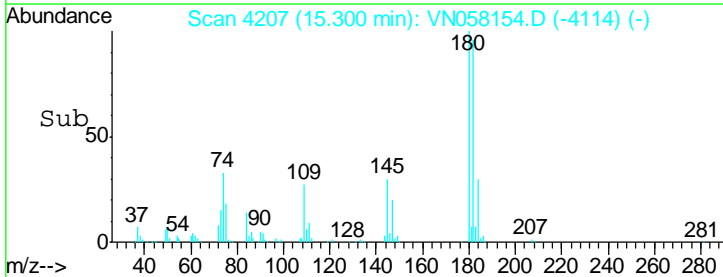
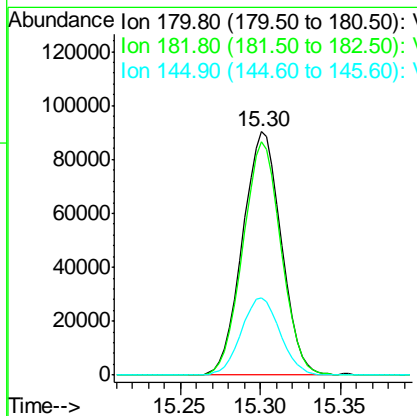
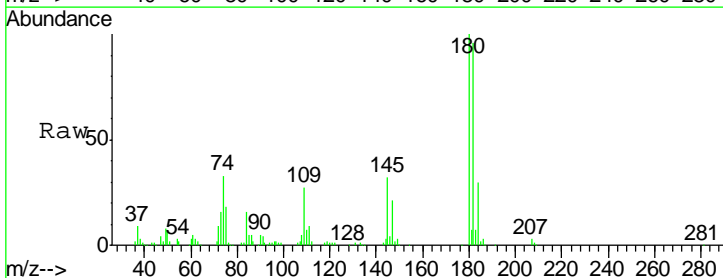
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 9/20/2019 1:14:19 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 15.273 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Resp	Lower	Upper
180	149361		
182	94.7	47.4	142.2
145	31.8	16.1	48.2



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058155.D
 Acq On : 18 Sep 2019 10:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Manual Integrations
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MMDadoda
 9/20/2019 1:14:24 PM

Quant Time: Sep 19 01:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	648263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1072362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	494855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	455593	37.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.06%	
35) Dibromofluoromethane	7.58	113	334944	36.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.34%	
50) Toluene-d8	10.08	98	1335232	37.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.64%	
62) 4-Bromofluorobenzene	12.40	95	486301	35.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	243224	29.368	ug/l	100
3) Chloromethane	2.04	50	196891	23.461	ug/l	100
4) Vinyl Chloride	2.17	62	220410	24.843	ug/l	100
5) Bromomethane	2.54	94	113438	21.638	ug/l	100
6) Chloroethane	2.68	64	144294	25.387	ug/l	100
7) Trichlorofluoromethane	3.00	101	320053	28.358	ug/l	100
8) Diethyl Ether	3.39	74	155817	32.482	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	236657	32.817	ug/l	100
10) Methyl Iodide	3.93	142	210181	27.491	ug/l	100
11) Tert butyl alcohol	4.75	59	262648	179.494	ug/l	100
12) 1,1-Dichloroethene	3.72	96	191692	29.644	ug/l	100
13) Acrolein	3.58	56	39849	36.015	ug/l	100
14) Allyl chloride	4.30	41	397211	31.236	ug/l	100
15) Acrylonitrile	4.96	53	701921	170.798	ug/l	100
16) Acetone	3.79	43	698684	172.958	ug/l	100
17) Carbon Disulfide	4.03	76	256403	21.751	ug/l	100
18) Methyl Acetate	4.30	43	369789	34.204	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	946812	34.994	ug/l	100
20) Methylene Chloride	4.53	84	256411	29.202	ug/l	100
21) trans-1,2-Dichloroethene	5.02	96	209169	29.921	ug/l	100
22) Diisopropyl ether	5.93	45	1047933	35.143	ug/l	100
23) Vinyl Acetate	5.87	43	3822666	181.935	ug/l	100
24) 1,1-Dichloroethane	5.83	63	539974	33.180	ug/l	100
25) 2-Butanone	6.81	43	1029975	176.031	ug/l	100
26) 2,2-Dichloropropane	6.81	77	457827	35.450	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	310649	32.997	ug/l	100
28) Bromochloromethane	7.18	49	278655	34.286	ug/l	100
29) Tetrahydrofuran	7.19	42	612197	169.779	ug/l	100
30) Chloroform	7.36	83	580452	34.019	ug/l	100
31) Cyclohexane	7.64	56	365330	30.475	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	466862	34.526	ug/l	100
36) 1,1-Dichloropropene	7.78	75	350385	30.066	ug/l	100
37) Ethyl Acetate	6.91	43	398425	32.983	ug/l	100
38) Carbon Tetrachloride	7.76	117	369647	34.596	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058155.D
 Acq On : 18 Sep 2019 10:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Manual Integrations
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MMDadoda
 9/20/2019 1:14:24 PM

Quant Time: Sep 19 01:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	364413	29.820	ug/l	100
40) Benzene	8.03	78	1117193	31.841	ug/l	100
41) Methacrylonitrile	7.16	41	201702m	36.824	ug/l	
42) 1,2-Dichloroethane	8.11	62	469405	33.341	ug/l	100
43) Isopropyl Acetate	8.15	43	712786	35.075	ug/l	100
44) Trichloroethene	8.82	130	277184	32.118	ug/l	100
45) 1,2-Dichloropropane	9.11	63	345907	33.754	ug/l	100
46) Dibromomethane	9.20	93	207991	33.622	ug/l	100
47) Bromodichloromethane	9.39	83	454754	36.916	ug/l	100
48) Methyl methacrylate	9.19	41	342649	33.428	ug/l	100
49) 1,4-Dioxane	9.19	88	116033	666.161	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2155219	181.252	ug/l	100
52) Toluene	10.15	92	715508	32.413	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	481652	37.206	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	518960	36.288	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	326167	34.838	ug/l	100
56) Ethyl methacrylate	10.43	69	496420	35.391	ug/l	100
57) 1,3-Dichloropropane	10.71	76	556934	34.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1253079	191.490	ug/l	100
59) 2-Hexanone	10.75	43	1589027	178.741	ug/l	100
60) Dibromochloromethane	10.90	129	334757	38.562	ug/l	100
61) 1,2-Dibromoethane	11.00	107	302861	34.309	ug/l	100
64) Tetrachloroethene	10.63	164	222416	32.364	ug/l	100
65) Chlorobenzene	11.43	112	828555	34.150	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	321555	38.098	ug/l	100
67) Ethyl Benzene	11.51	91	1493087	35.150	ug/l	100
68) m/p-Xylenes	11.62	106	1098680	70.637	ug/l	100
69) o-Xylene	11.95	106	543200	35.237	ug/l	100
70) Styrene	11.97	104	976315	36.807	ug/l	100
71) Bromoform	12.13	173	214568	40.929	ug/l #	100
73) Isopropylbenzene	12.25	105	1553330	41.884	ug/l	100
74) N-amyl acetate	12.07	43	675801	42.107	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	508721	40.765	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	423488m	39.439	ug/l	
77) Bromobenzene	12.53	156	368611	39.652	ug/l	100
78) n-propylbenzene	12.59	91	1811275	42.594	ug/l	100
79) 2-Chlorotoluene	12.68	91	1084470	40.250	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1349044	43.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	137774	45.356	ug/l	100
82) 4-Chlorotoluene	12.78	91	1154731	41.728	ug/l	100
83) tert-Butylbenzene	13.00	119	1178203	42.268	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1348691	42.421	ug/l	100
85) sec-Butylbenzene	13.18	105	1590169	43.100	ug/l	100
86) p-Isopropyltoluene	13.29	119	1436819	44.258	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	703497	41.428	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	714622	41.316	ug/l	100
89) n-Butylbenzene	13.62	91	1366291	44.411	ug/l	100
90) Hexachloroethane	13.88	117	223930	46.119	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	715169	42.041	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	95483	46.133	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058155.D
 Acq On : 18 Sep 2019 10:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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Quant Time: Sep 19 01:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	466458	41.500	ug/l	100
94) Hexachlorobutadiene	15.01	225	216304	44.882	ug/l	100
95) Naphthalene	15.13	128	1287018	39.964	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	447500	40.703	ug/l	100

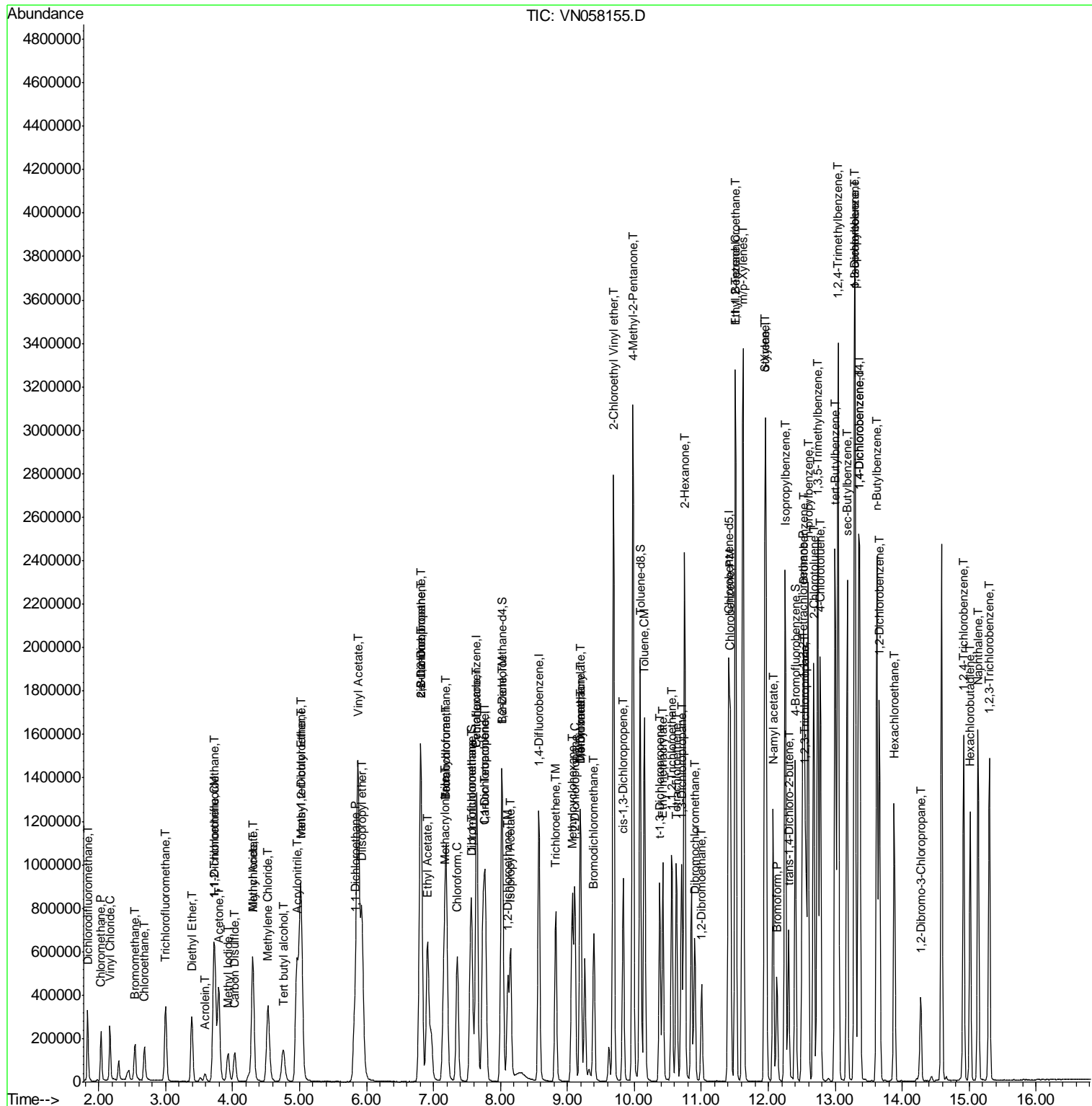
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058155.D
 Acq On : 18 Sep 2019 10:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

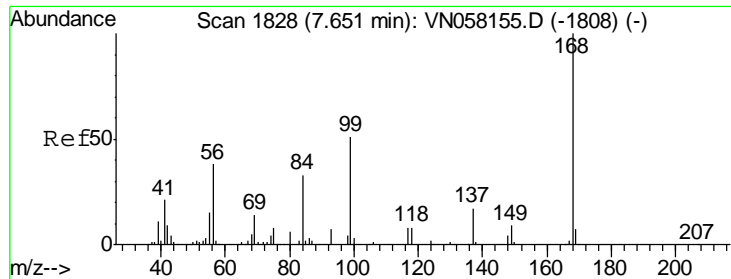
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 Client Sampled : VSTDICCC050

Manual Integrations APPROVED
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 9/20/2019 1:14:24 PM

Quant Time: Sep 19 01:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration



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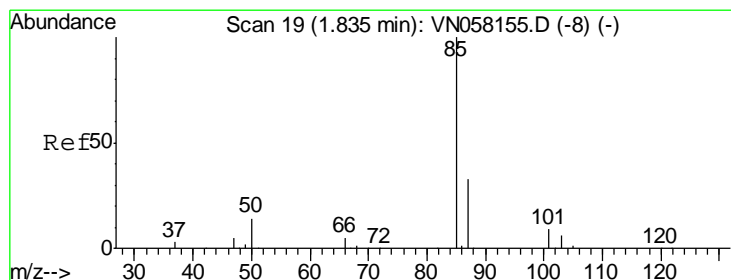
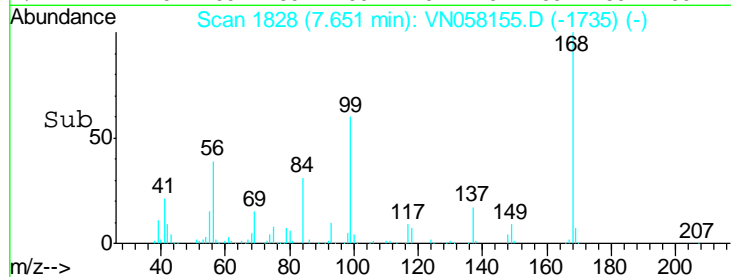
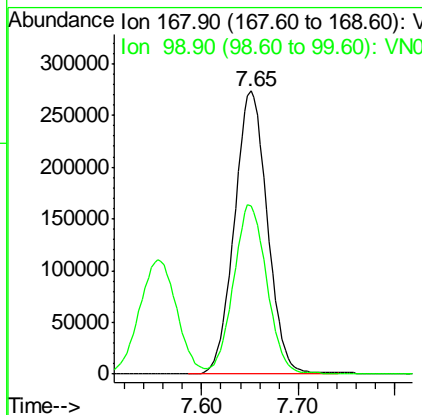
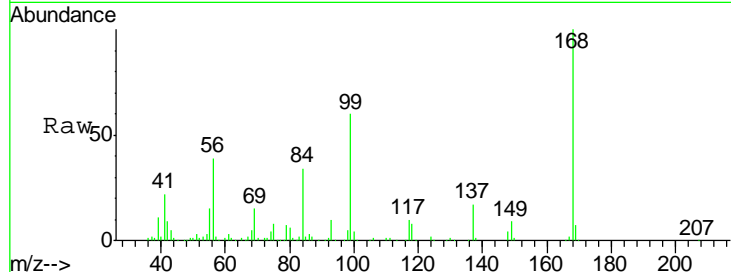
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	59.3	47.4	71.2

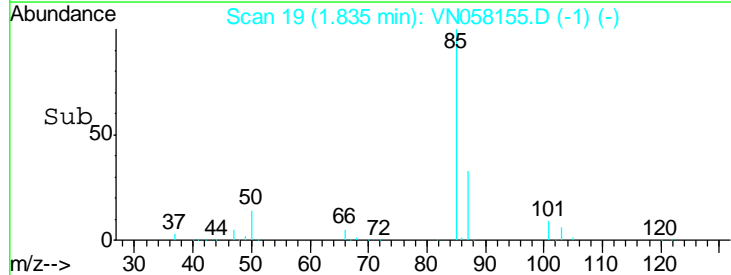
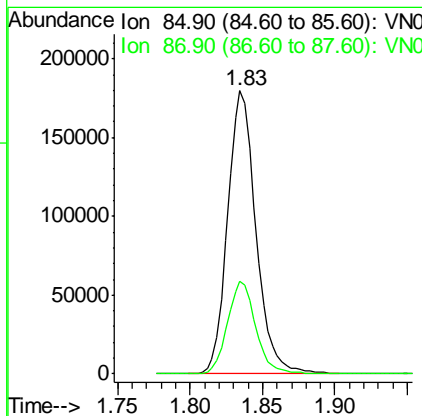
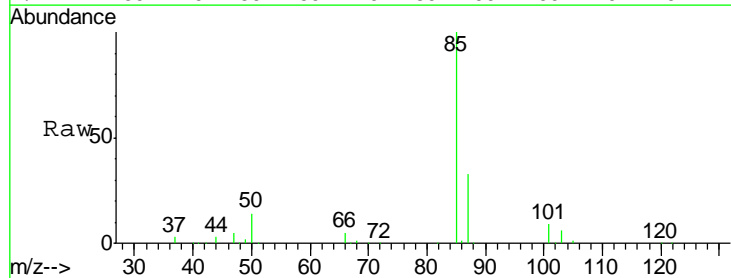
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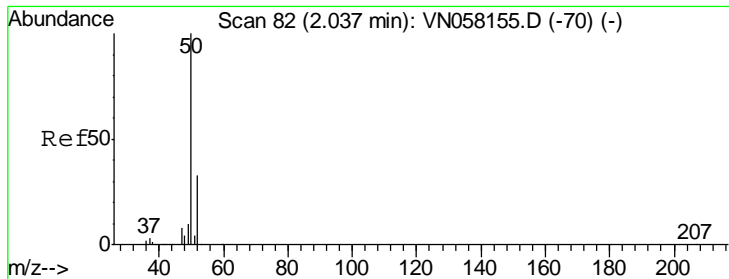
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#2
 Dichlorodifluoromethane
 Concen: 29.368 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.6	16.3	48.9





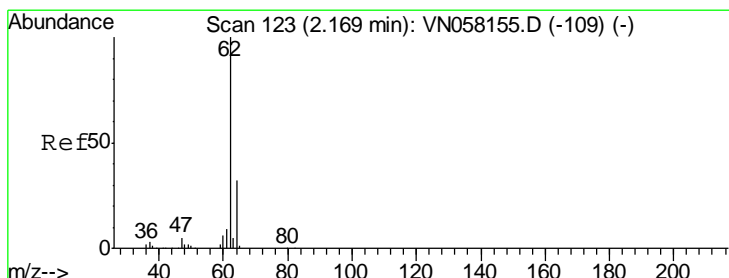
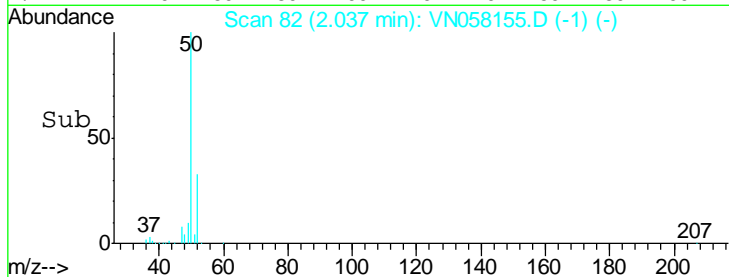
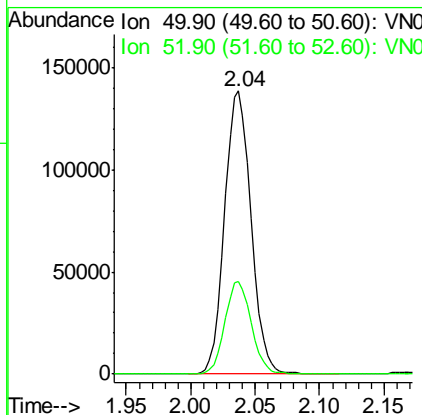
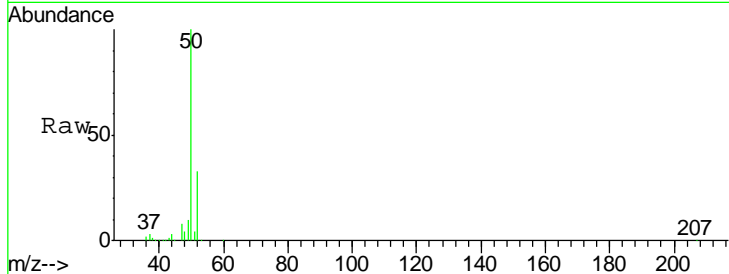
#3
 Chloromethane
 Concen: 23.461 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
50	196891		
52	32.9	26.3	39.5

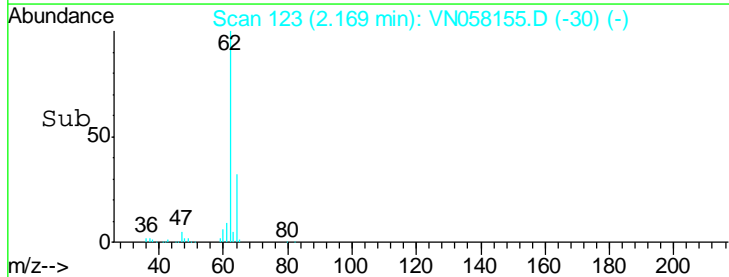
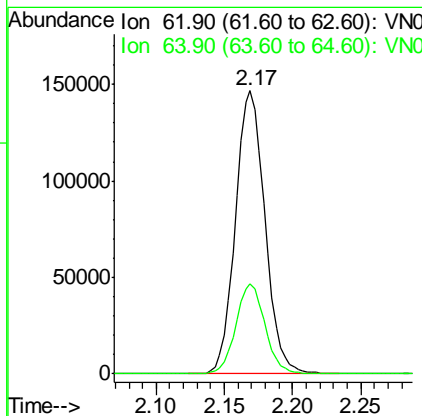
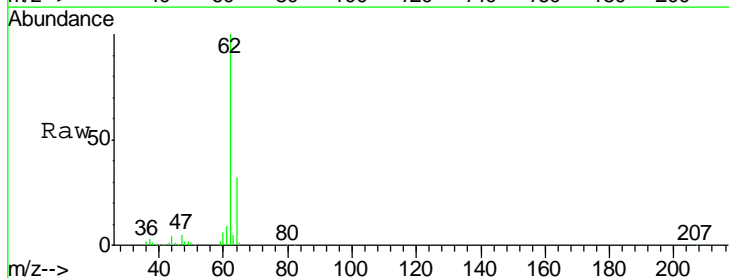
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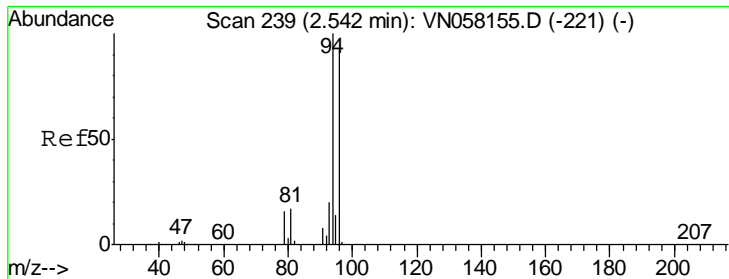
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#4
 Vinyl Chloride
 Concen: 24.843 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
62	220410		
64	31.8	25.4	38.2





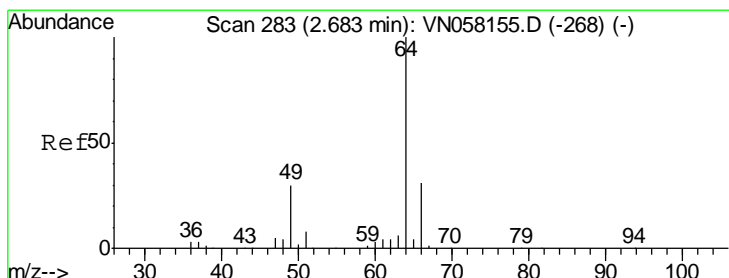
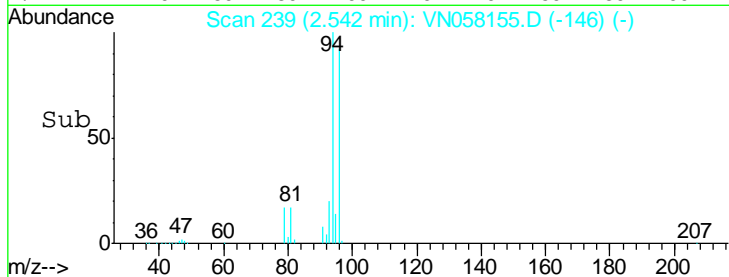
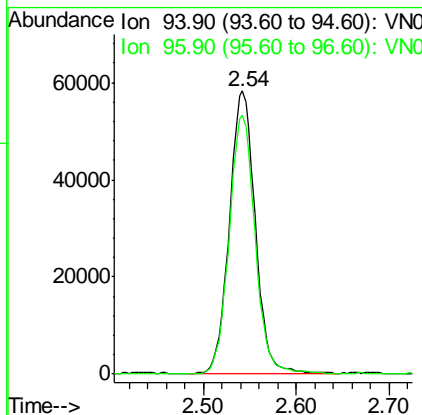
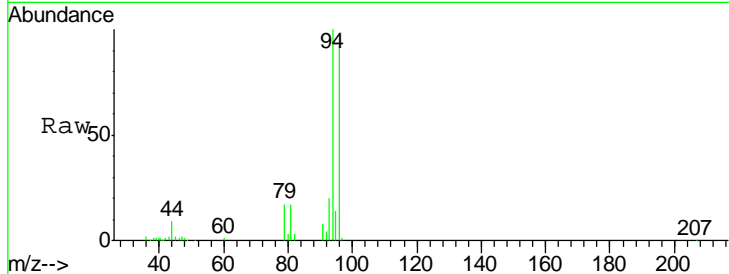
#5
 Bromomethane
 Concen: 21.638 ug/l
 RT: 2.54 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
94	113438		
96	91.6	73.3	109.9

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

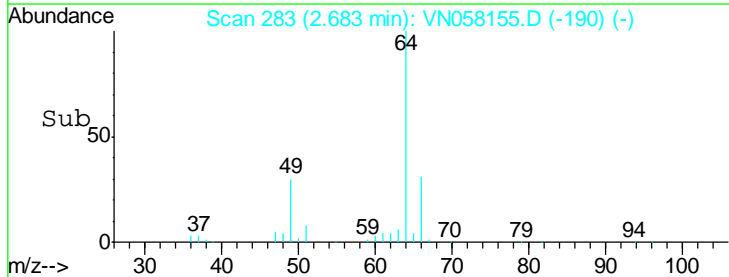
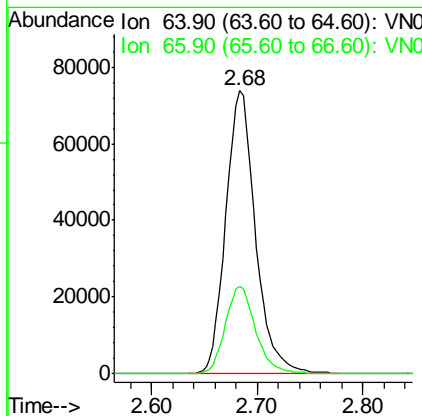
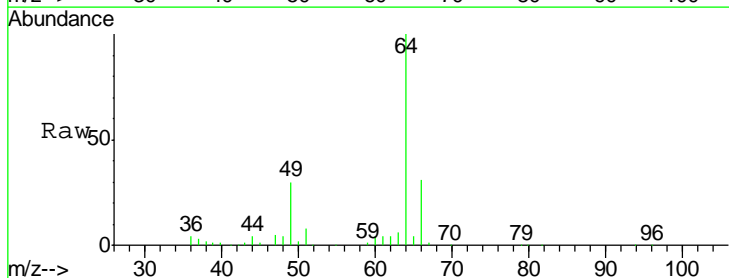
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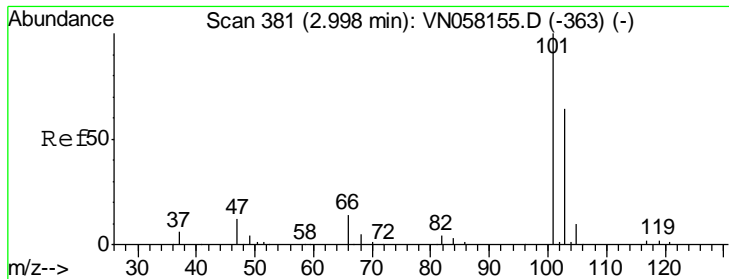
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#6
 Chloroethane
 Concen: 25.387 ug/l
 RT: 2.68 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
64	144294		
66	30.8	24.6	37.0





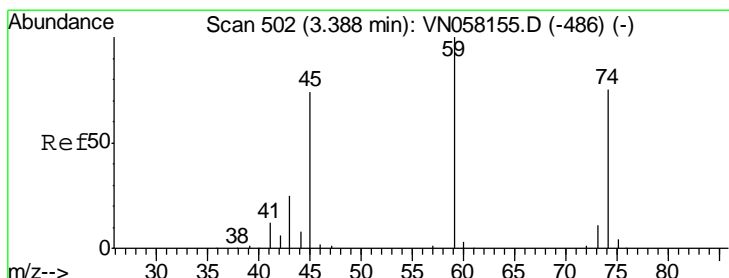
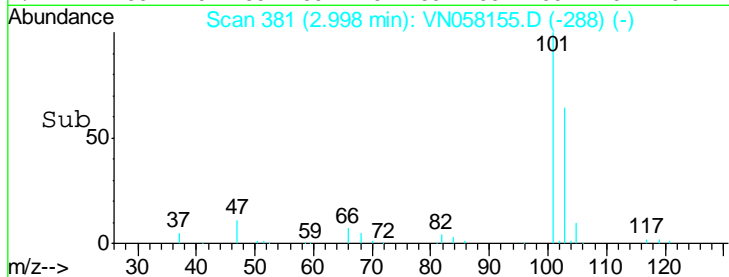
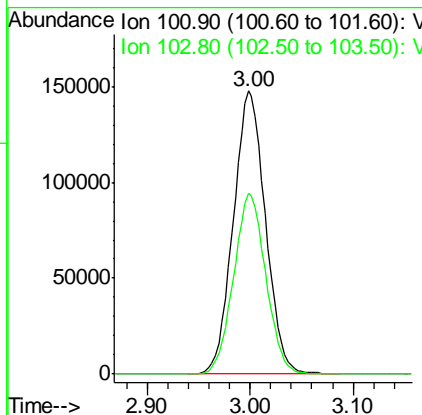
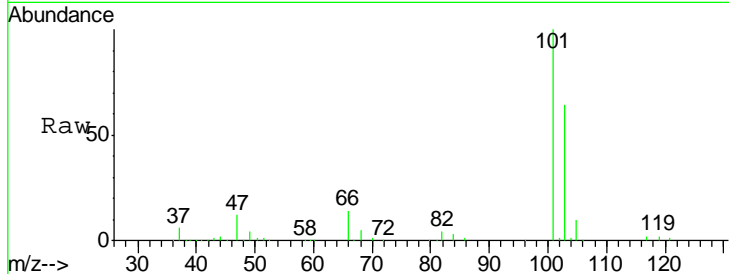
#7
 Trichlorofluoromethane
 Concen: 28.358 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
101	100		
103	63.8	51.0	76.6

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

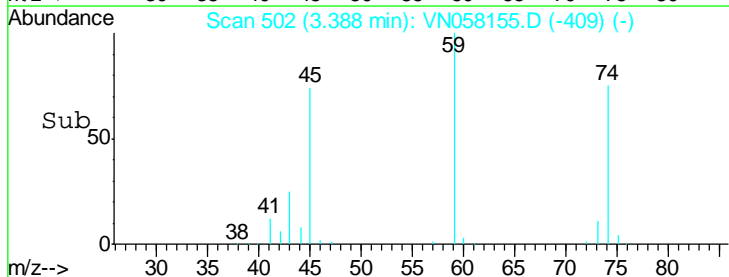
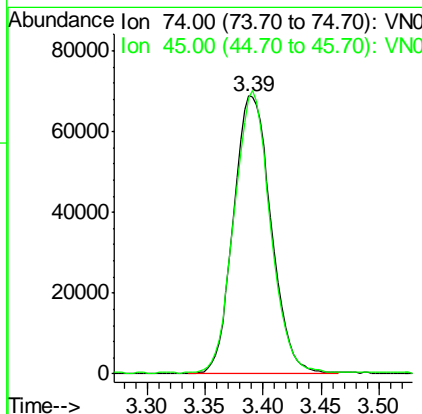
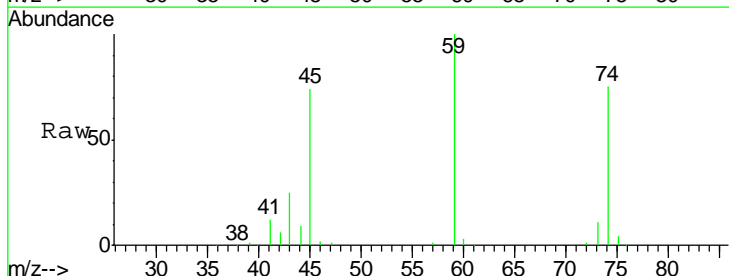
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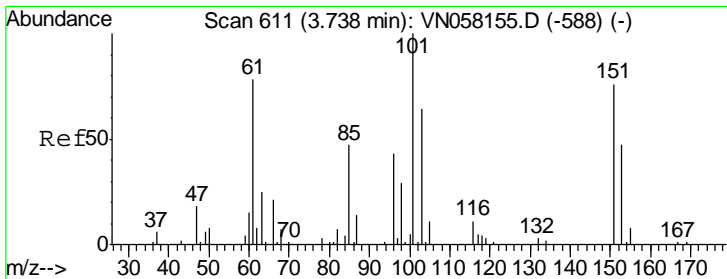
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#8
 Diethyl Ether
 Concen: 32.482 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

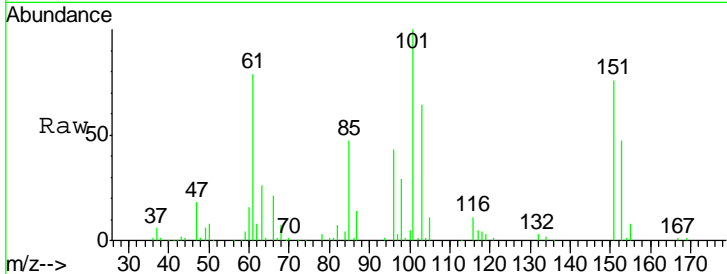
Tgt Ion	Resp	Lower	Upper
74	100		
45	97.0	48.5	145.5





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 32.817 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

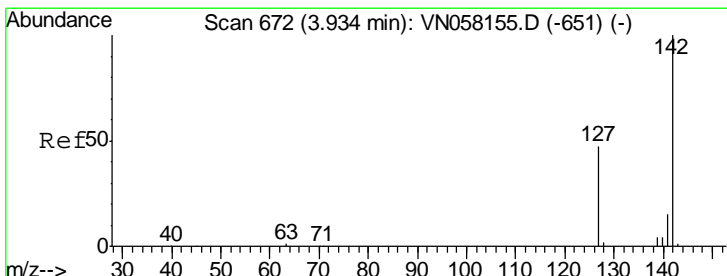
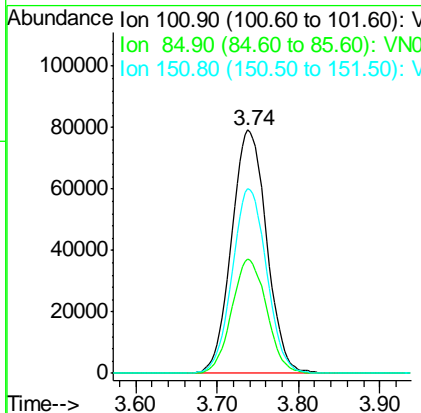
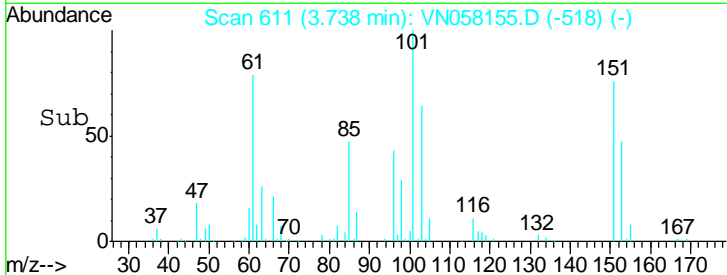


Tgt Ion: 101 Resp: 236657

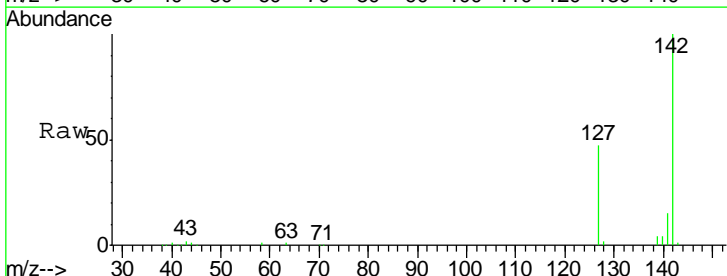
Ion	Ratio	Lower	Upper
101	100		
85	46.6	37.3	55.9
151	74.5	59.6	89.4

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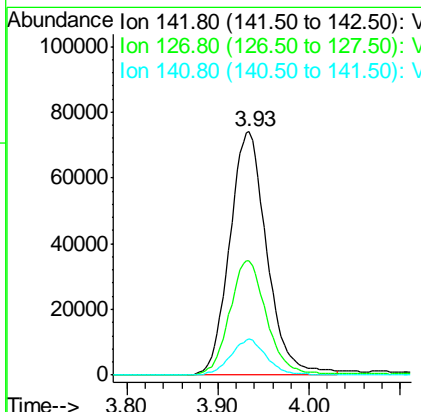
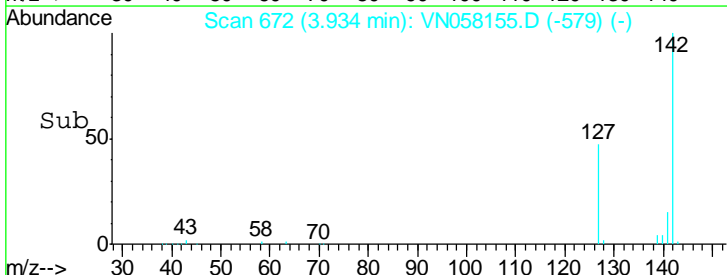


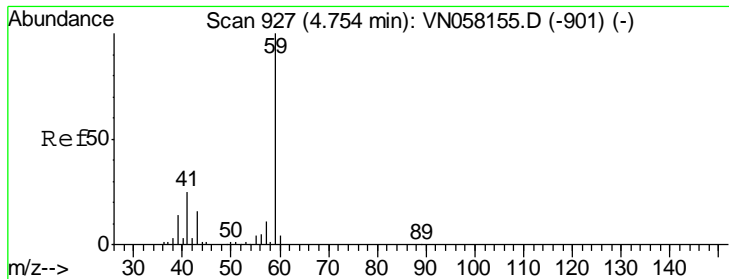
#10
 Methyl Iodide
 Concen: 27.491 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27



Tgt Ion: 142 Resp: 210181

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.5	56.3
141	14.3	11.4	17.2



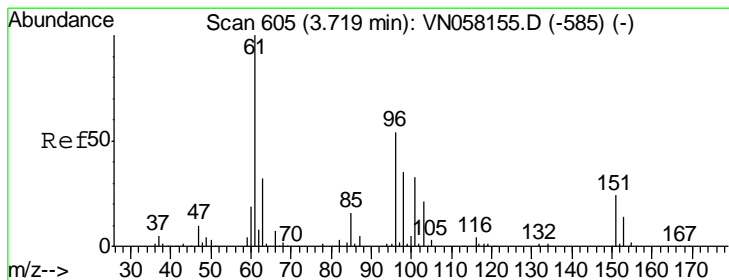
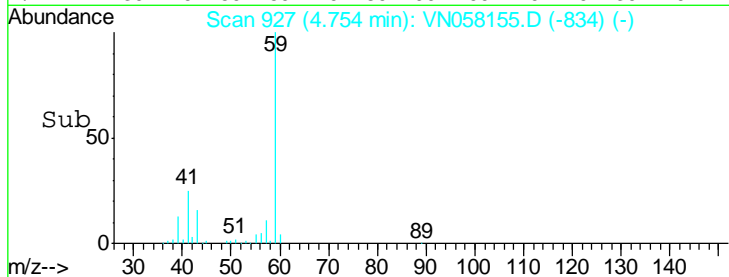
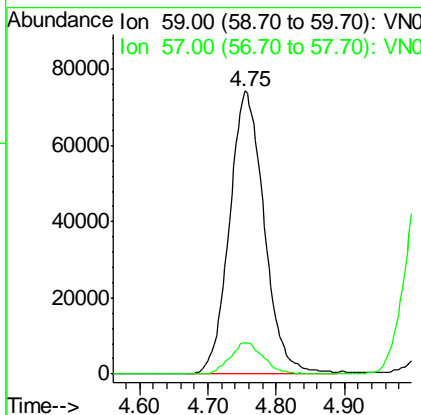
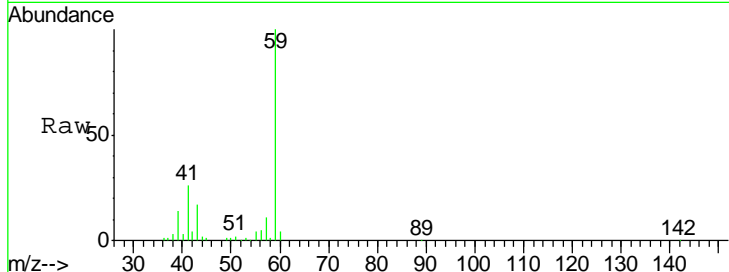


#11
 Tert butyl alcohol
 Concen: 179.494 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.8	8.6	13.0

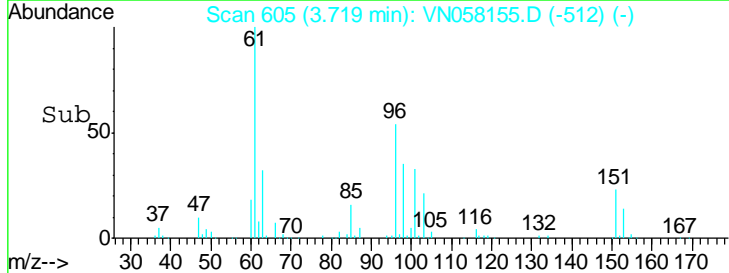
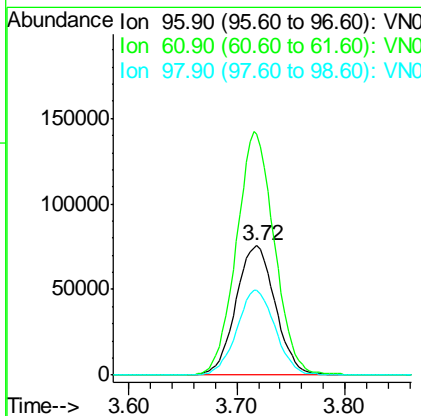
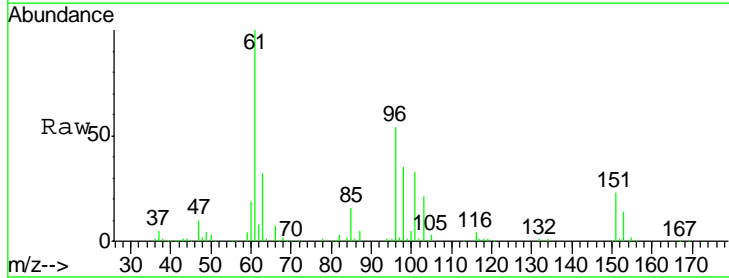
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 Client Sampled : VSTDICCC050

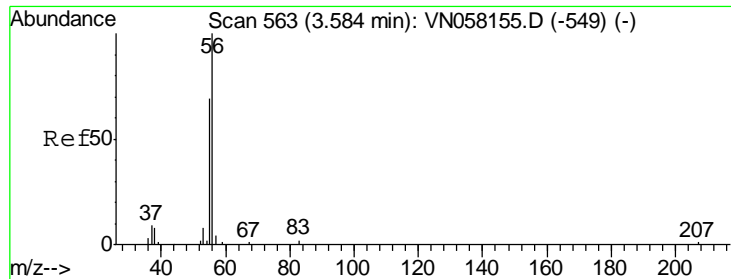
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#12
 1,1-Dichloroethene
 Concen: 29.644 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
96	100		
61	186.9	149.5	224.3
98	65.5	52.4	78.6





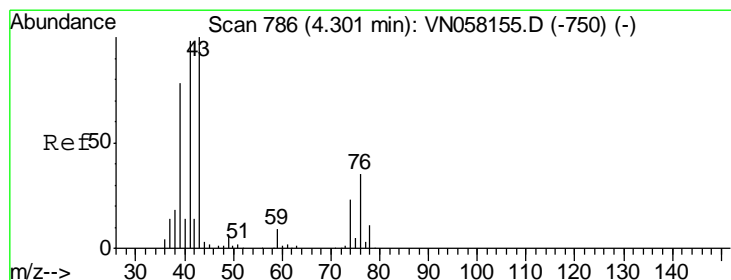
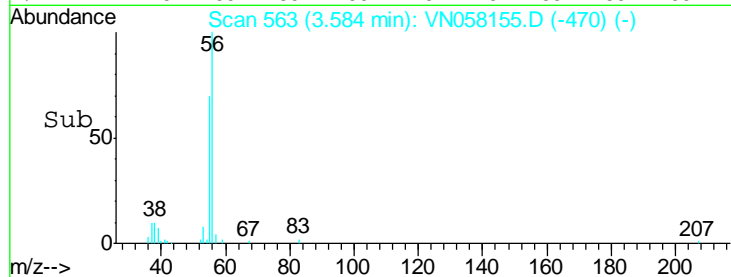
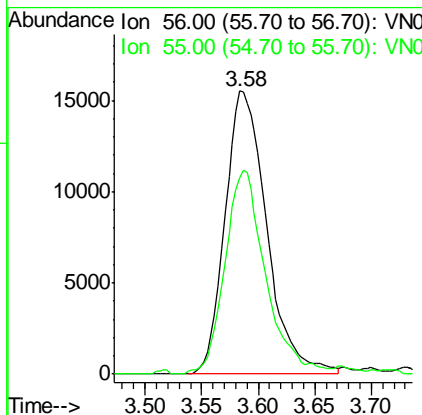
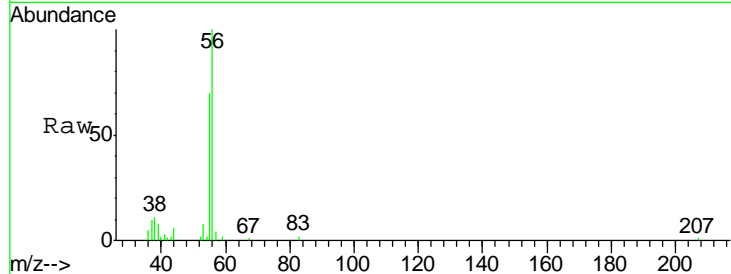
#13
 Acrolein
 Concen: 36.015 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
56	100		
55	70.1	56.1	84.1

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

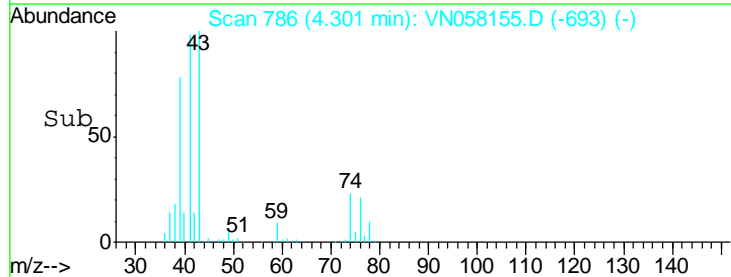
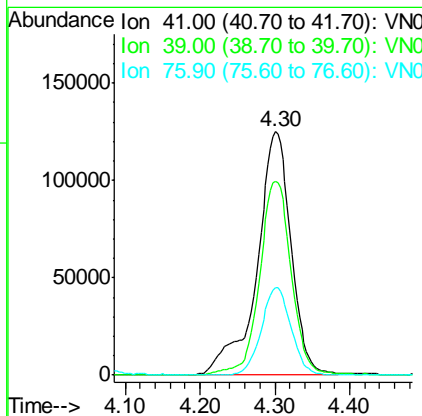
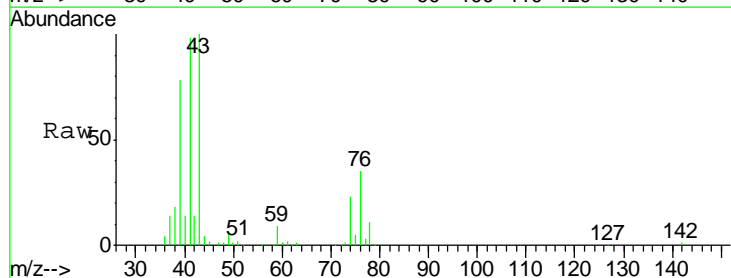
Manual Integrations
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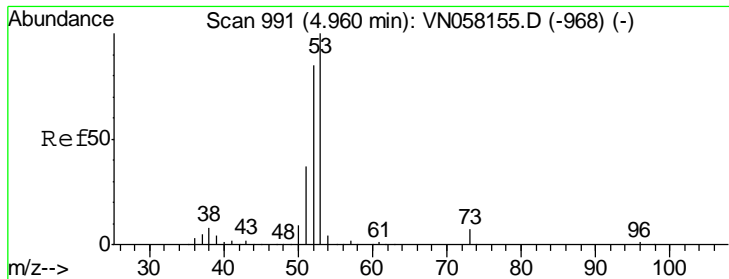
MMDadoda
 9/20/2019 1:14:24 PM



#14
 Allyl chloride
 Concen: 31.236 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
41	100		
39	73.9	59.1	88.7
76	31.4	25.1	37.7





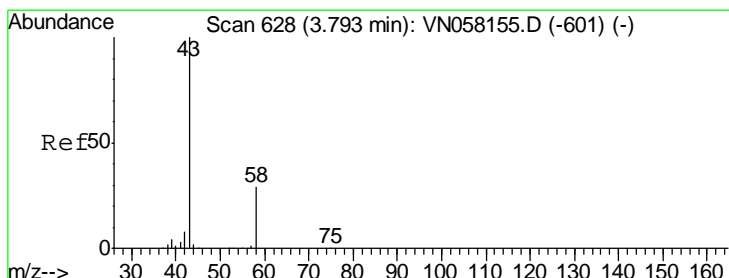
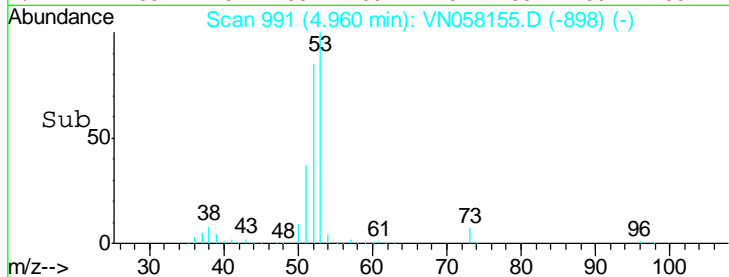
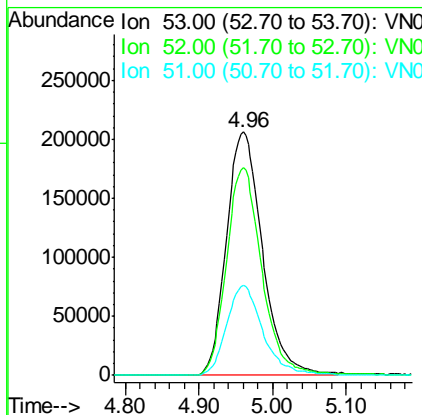
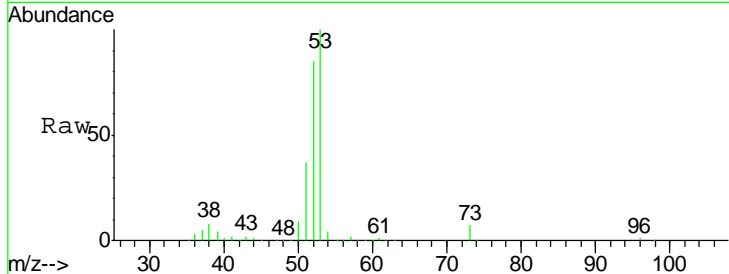
#15
 Acrylonitrile
 Concen: 170.798 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.1	29.7	44.5

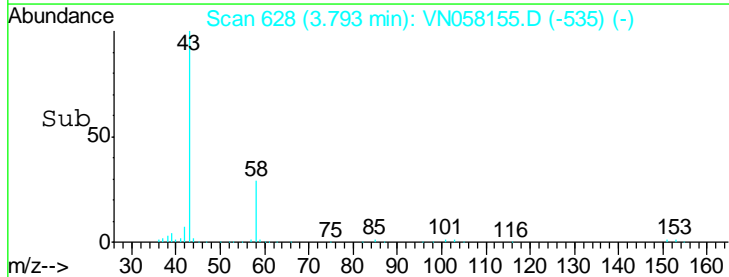
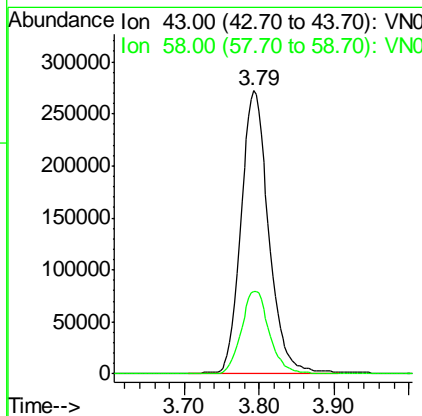
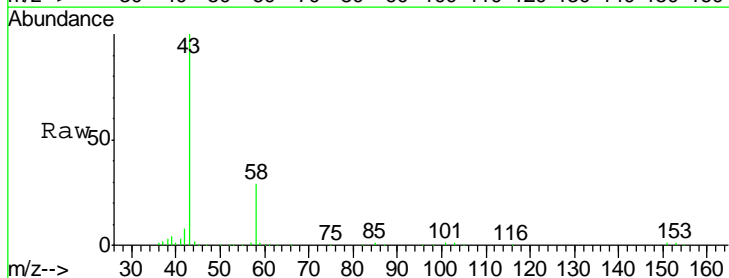
Manual Integrations
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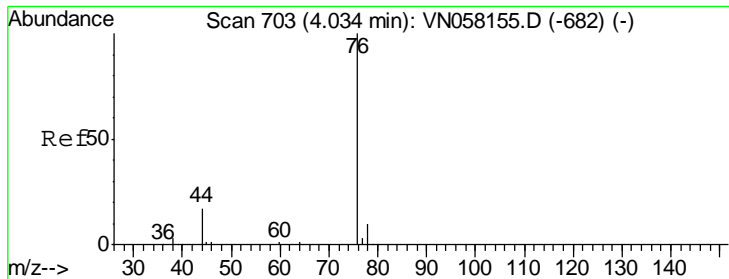
MMDadoda
 9/20/2019 1:14:24 PM



#16
 Acetone
 Concen: 172.958 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
43	100		
58	29.3	23.4	35.2



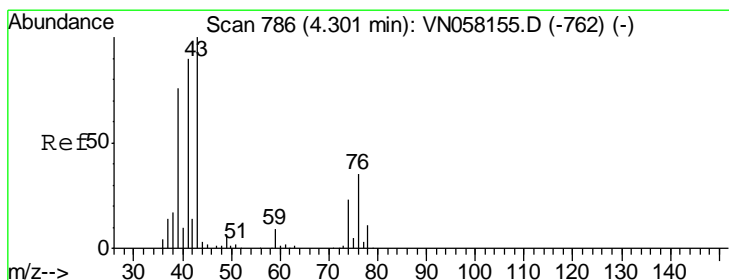
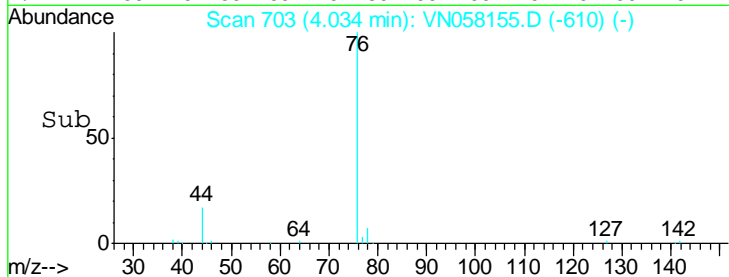
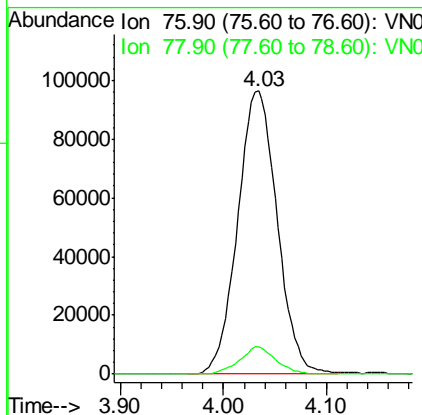
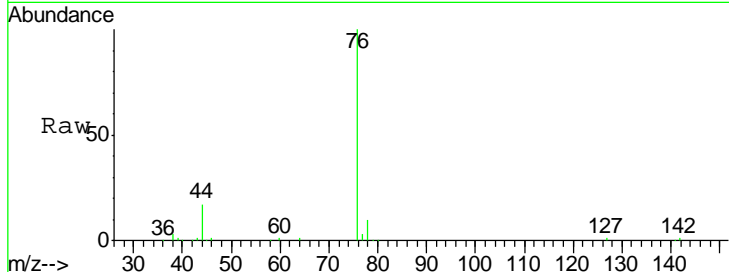


#17
 Carbon Disulfide
 Concen: 21.751 ug/l
 RT: 4.03 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.6	7.7	11.5

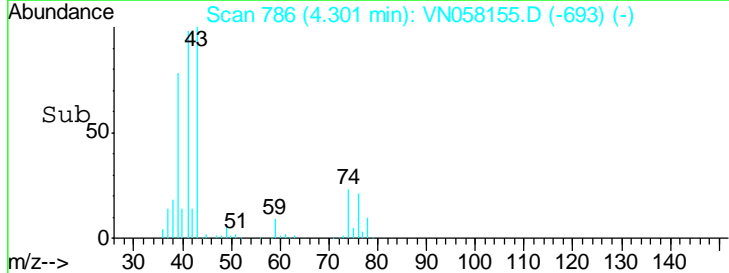
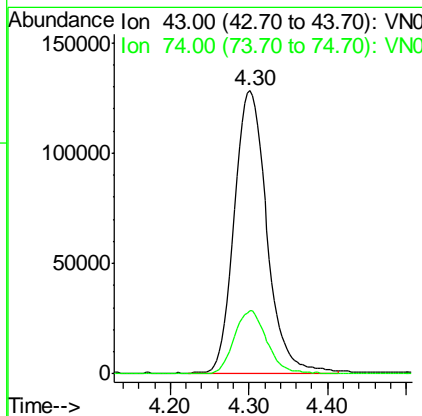
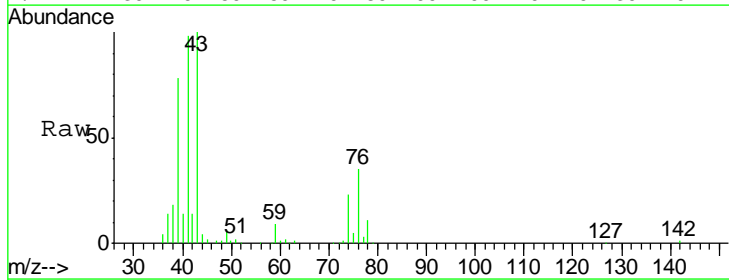
Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

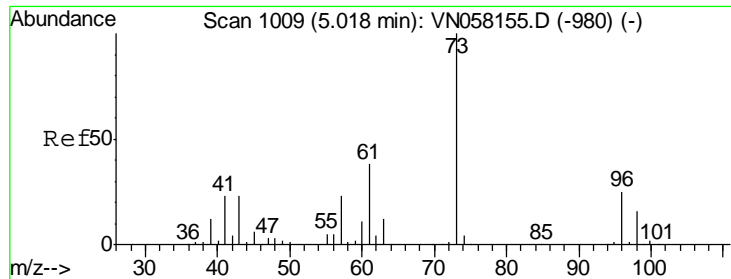
Manual Integrations APPROVED
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#18
 Methyl Acetate
 Concen: 34.204 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.5	18.0	27.0





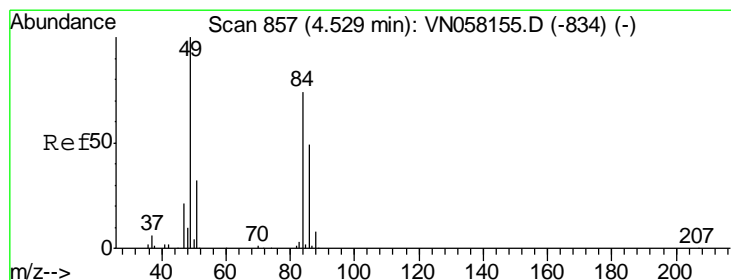
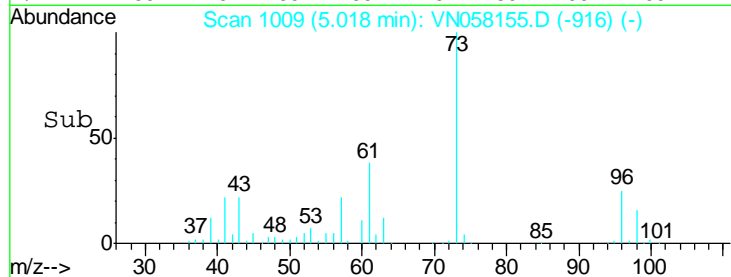
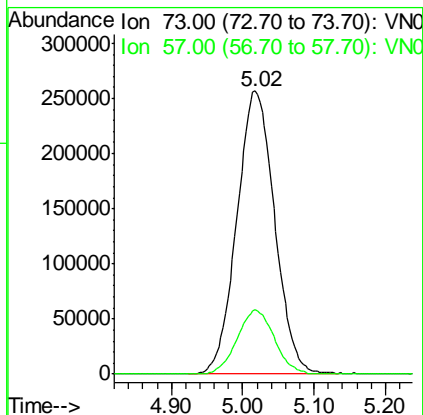
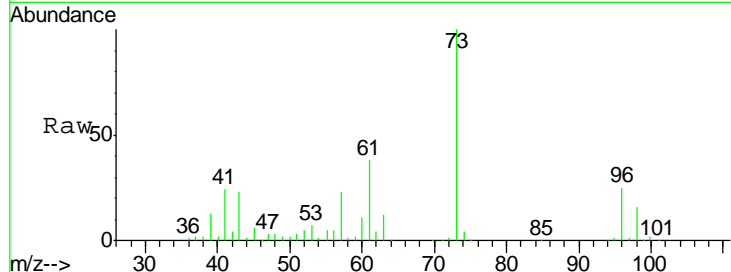
#19
 Methyl tert-butyl Ether
 Concen: 34.994 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.6	18.1	27.1

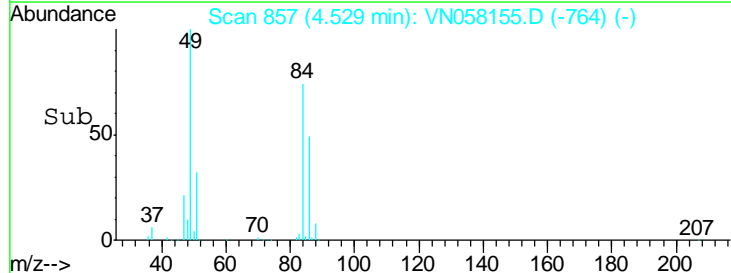
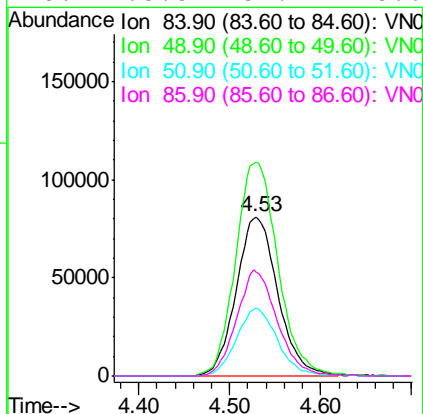
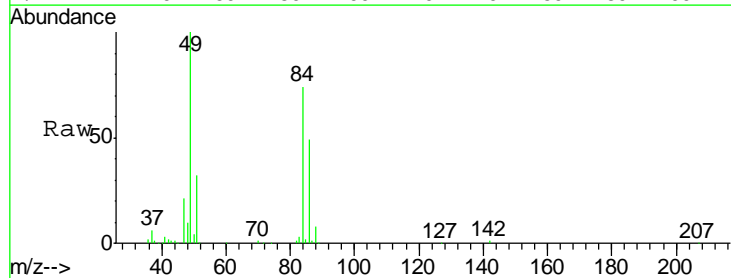
Manual Integrations
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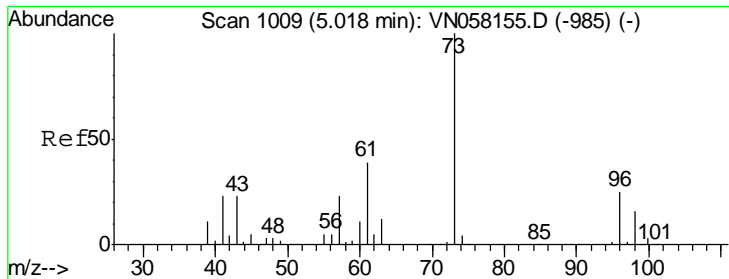
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#20
 Methylene Chloride
 Concen: 29.202 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
84	100		
49	134.4	107.5	161.3
51	42.4	33.9	50.9
86	65.5	52.4	78.6





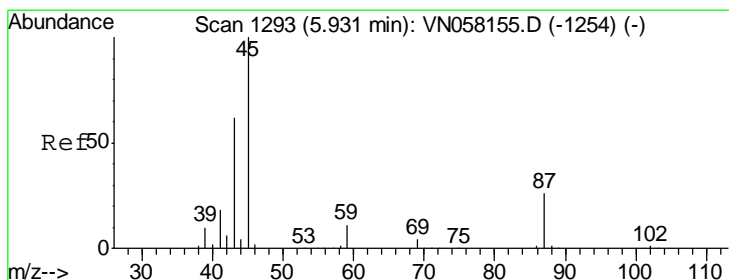
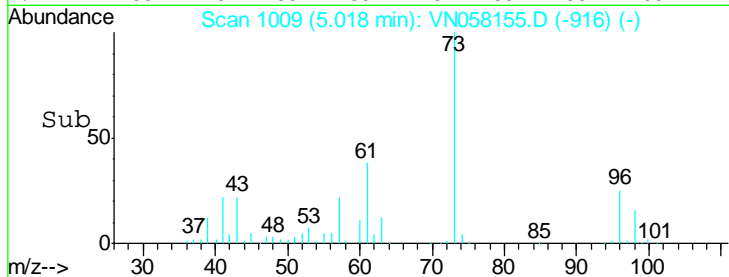
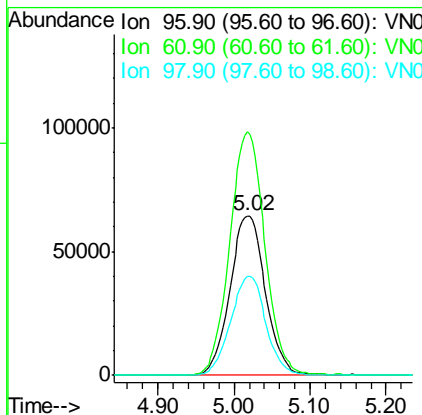
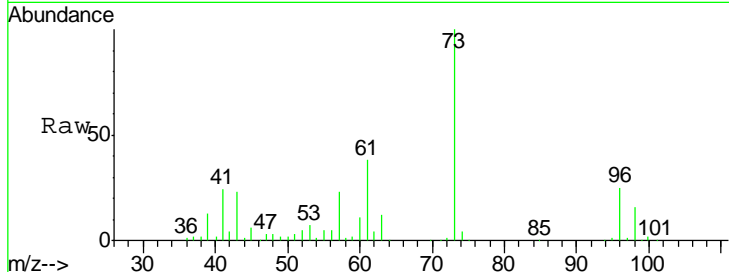
#21
 trans-1,2-Dichloroethene
 Concen: 29.921 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	209169		
96	100		
61	152.8	122.2	183.4
98	62.4	49.9	74.9

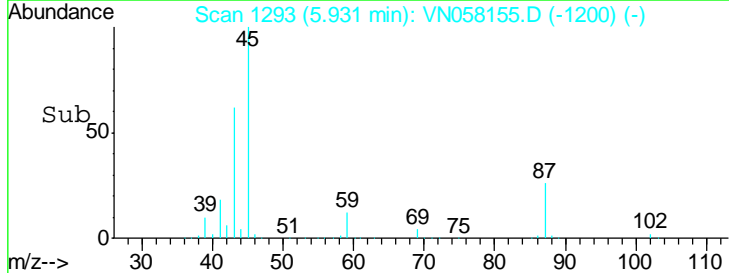
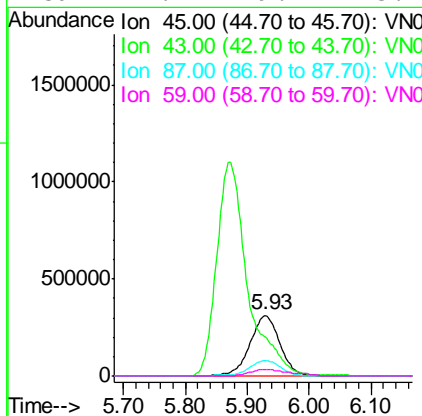
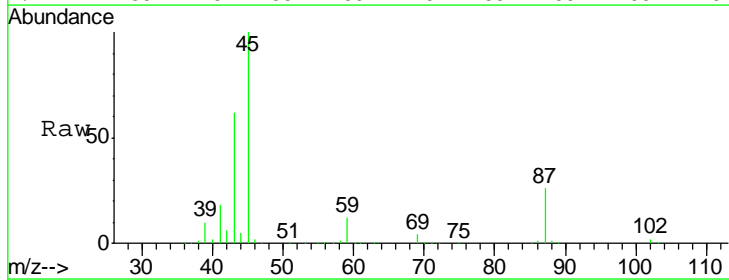
Manual Integrations
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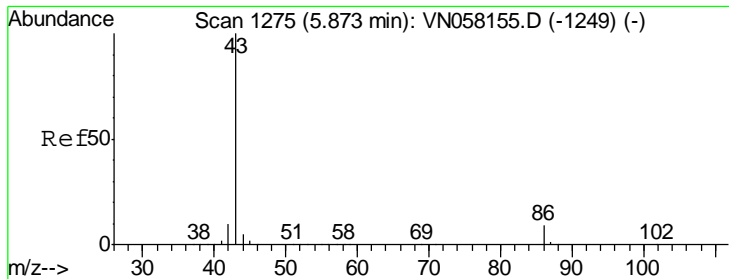
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#22
 Diisopropyl ether
 Concen: 35.143 ug/l
 RT: 5.93 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
45	1047933		
45	100		
43	62.1	49.7	74.5
87	25.9	20.7	31.1
59	11.4	9.1	13.7





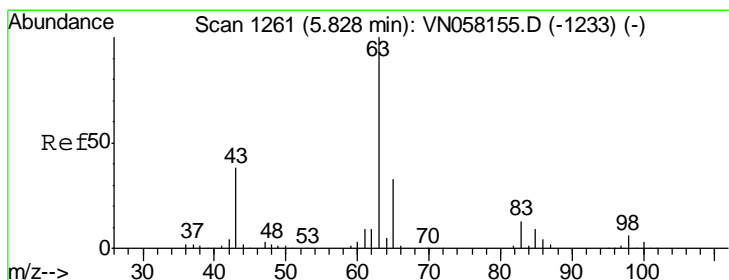
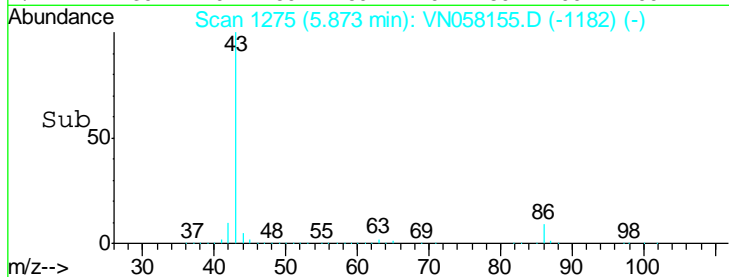
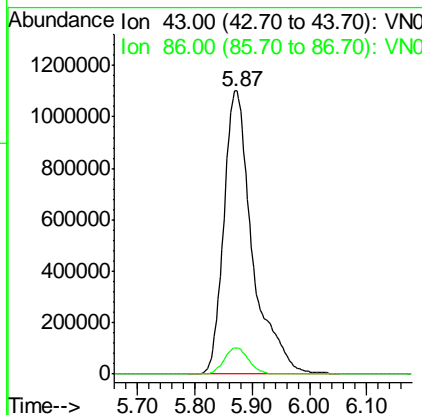
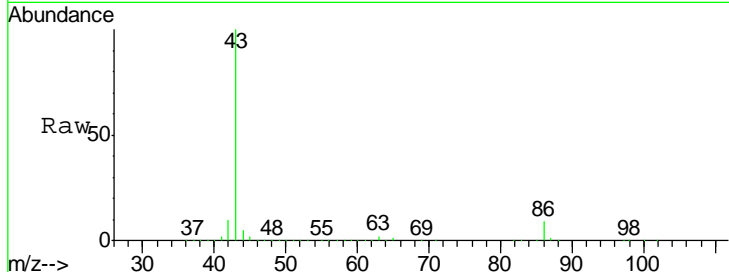
#23
 Vinyl Acetate
 Concen: 181.935 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
86	9.3	7.4	11.2

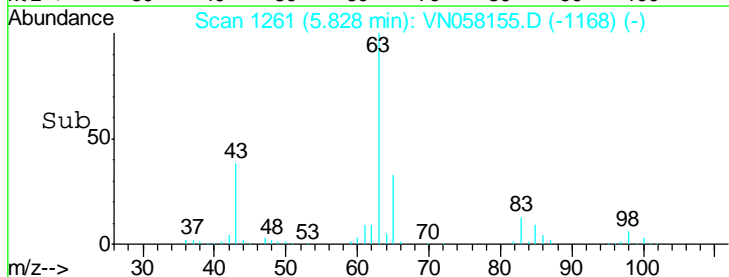
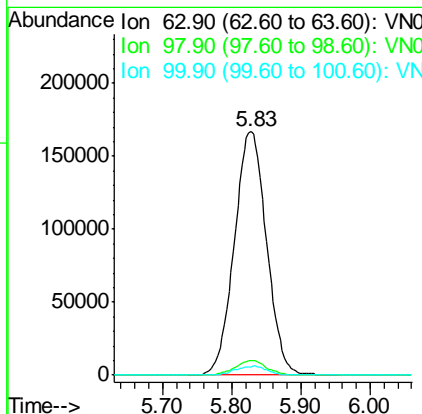
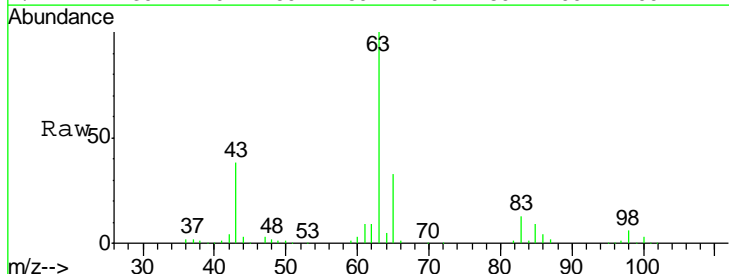
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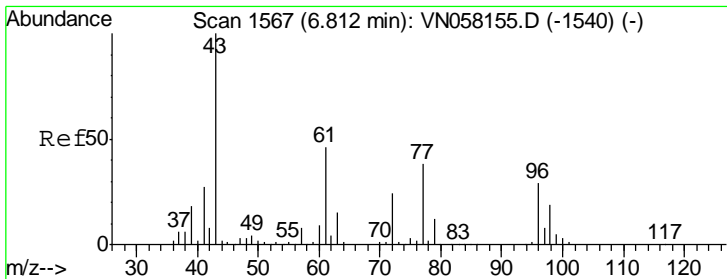
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#24
 1,1-Dichloroethane
 Concen: 33.180 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
63	100		
98	5.7	2.9	8.6
100	3.5	1.8	5.3





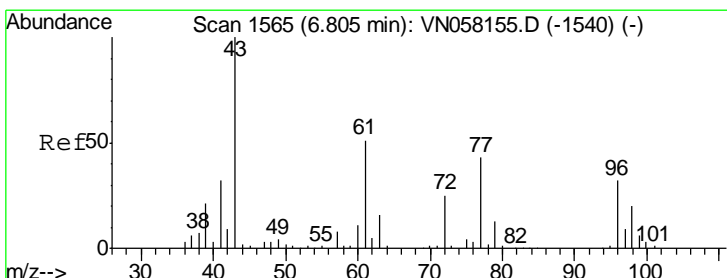
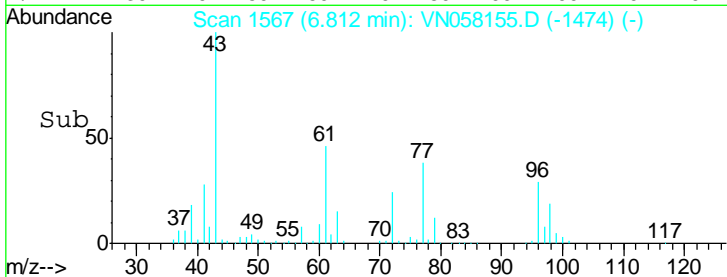
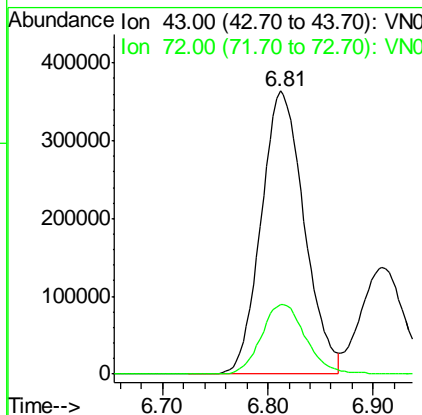
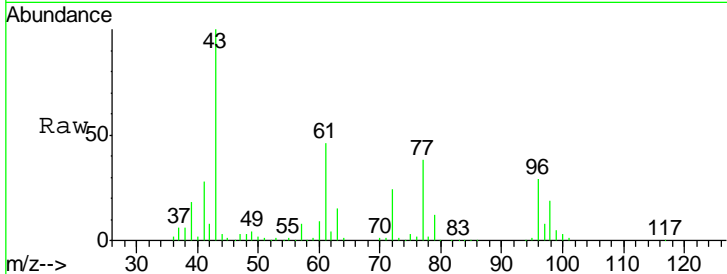
#25
 2-Butanone
 Concen: 176.031 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	1029975		
72	24.4	19.5	29.3

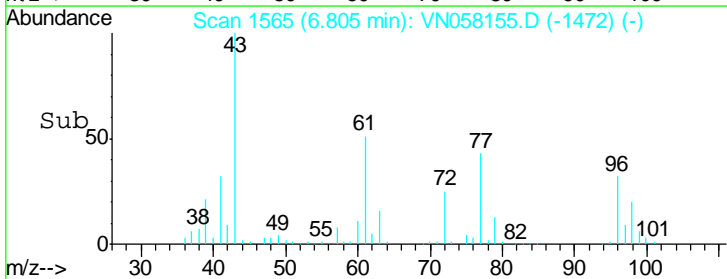
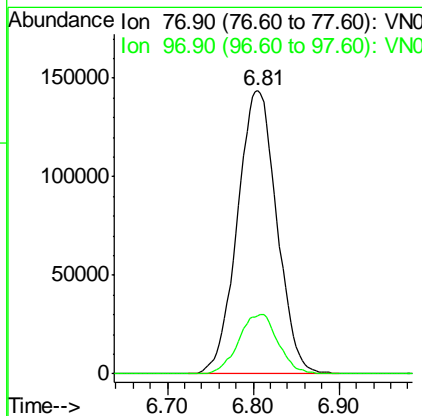
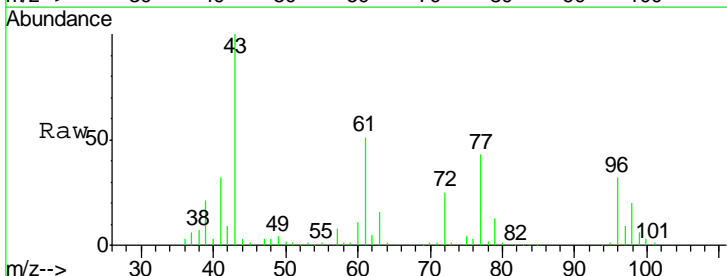
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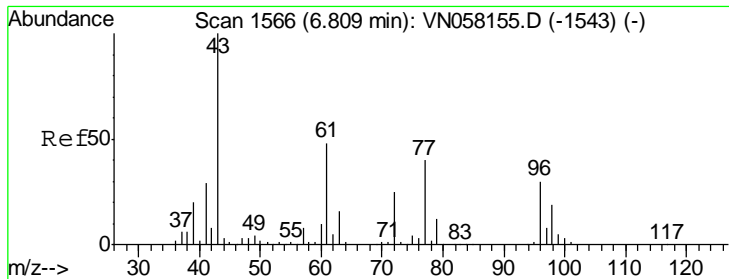
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#26
 2,2-Dichloropropane
 Concen: 35.450 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
77	457827		
97	21.1	10.5	31.6





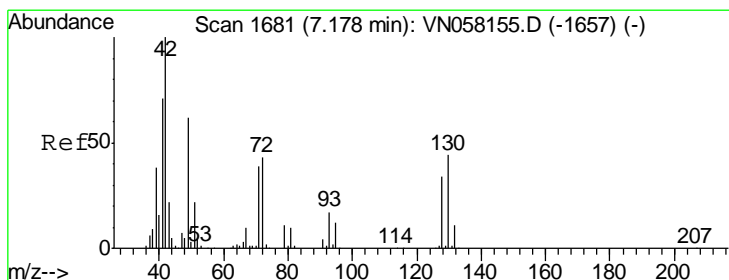
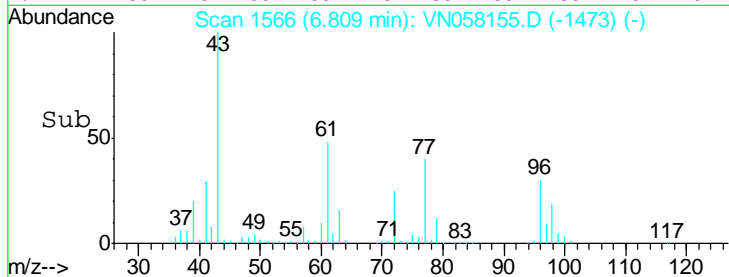
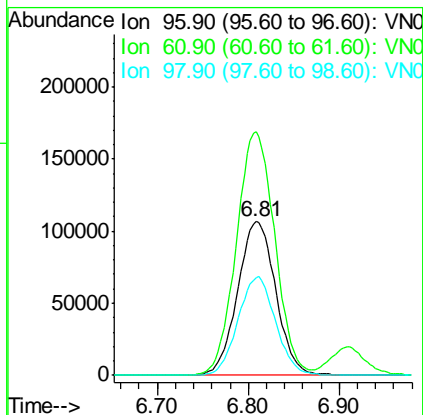
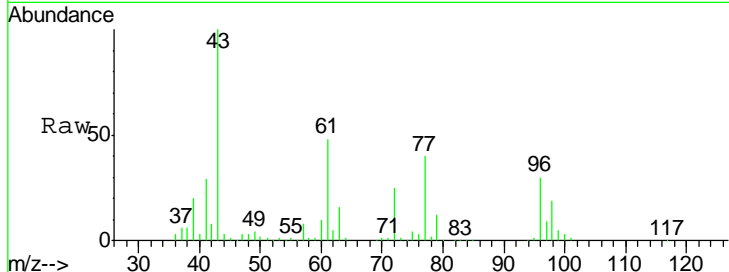
#27
 cis-1,2-Dichloroethene
 Concen: 32.997 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	310649		
96	100		
61	159.5	0.0	319.0
98	63.3	0.0	126.6

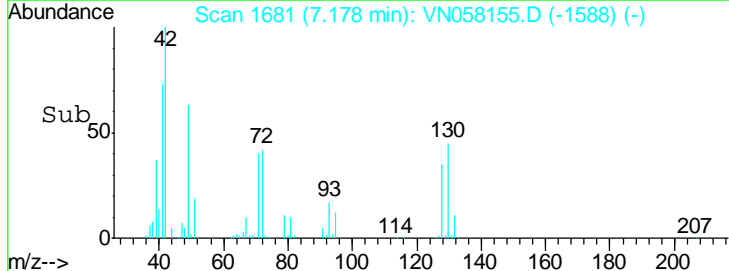
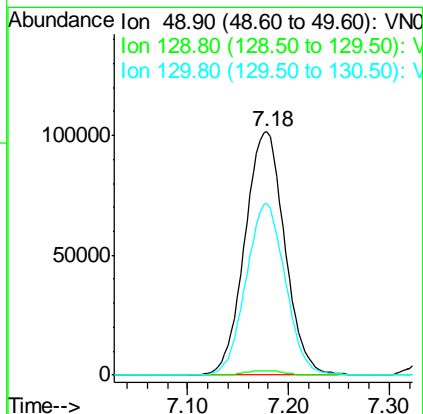
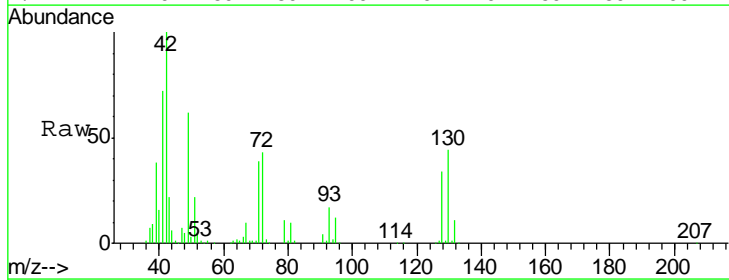
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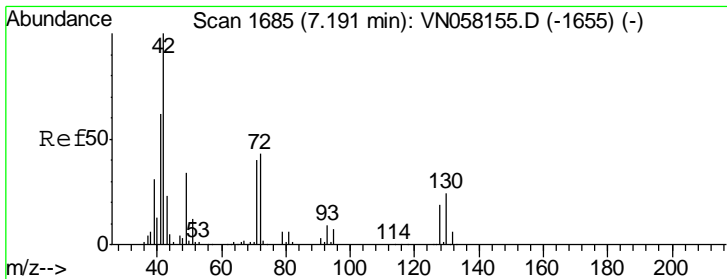
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#28
 Bromochloromethane
 Concen: 34.286 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
49	278655		
49	100		
129	0.9	0.0	1.8
130	69.3	55.4	83.2





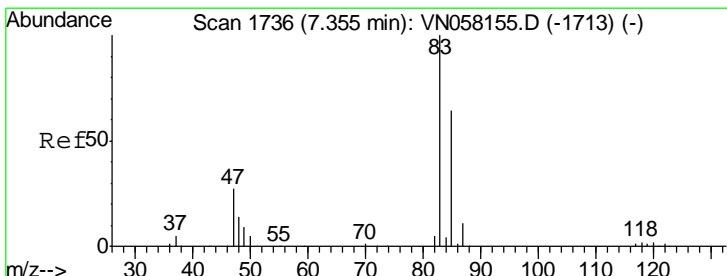
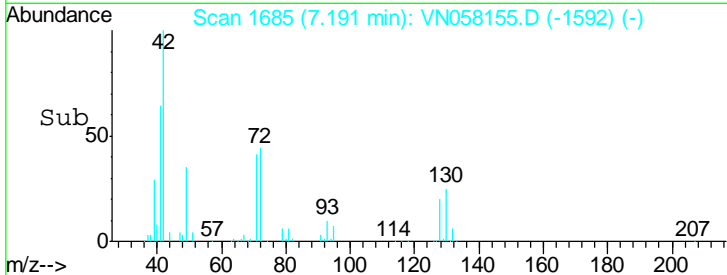
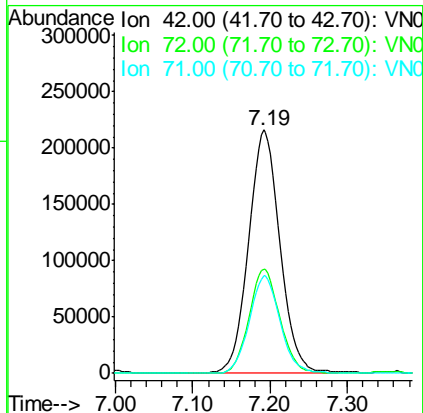
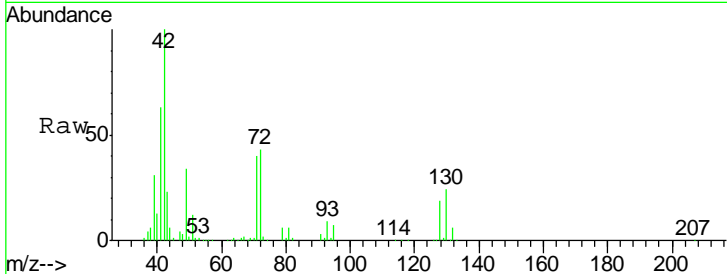
#29
 Tetrahydrofuran
 Concen: 169.779 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
42	612197		
42	100		
72	42.2	33.8	50.6
71	39.2	31.4	47.0

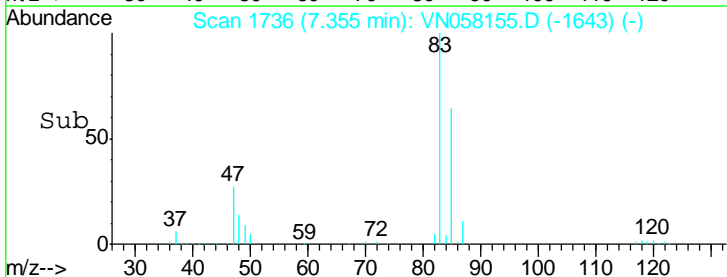
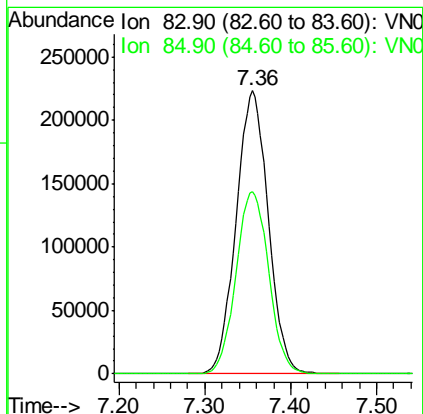
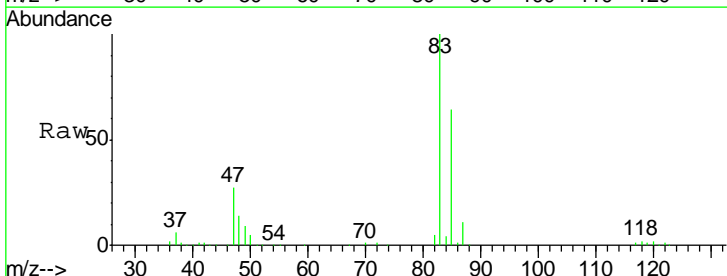
Manual Integrations
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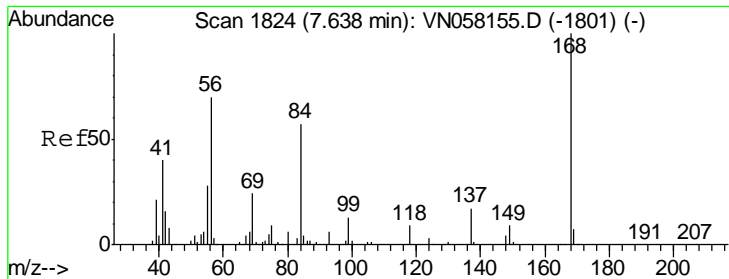
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#30
 Chloroform
 Concen: 34.019 ug/l
 RT: 7.36 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
83	580452		
83	100		
85	64.3	51.4	77.2





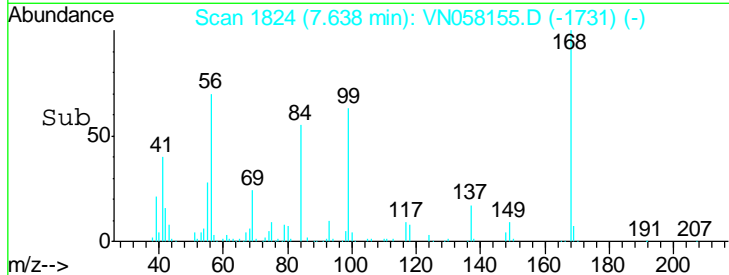
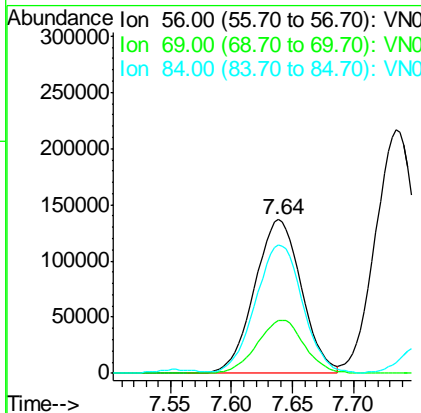
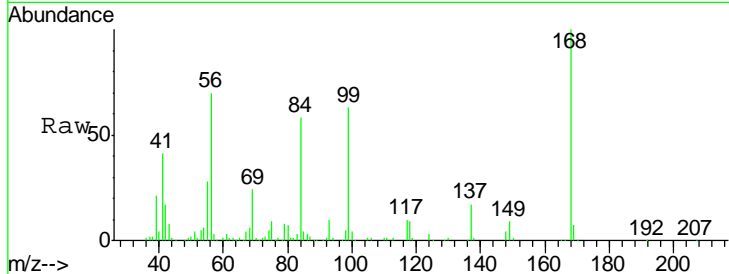
#31
 Cyclohexane
 Concen: 30.475 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	34.1	27.3	40.9
84	81.2	65.0	97.4

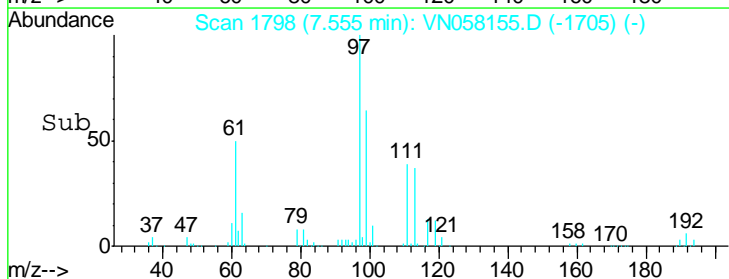
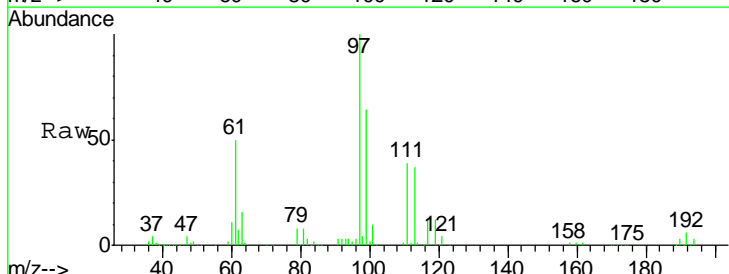
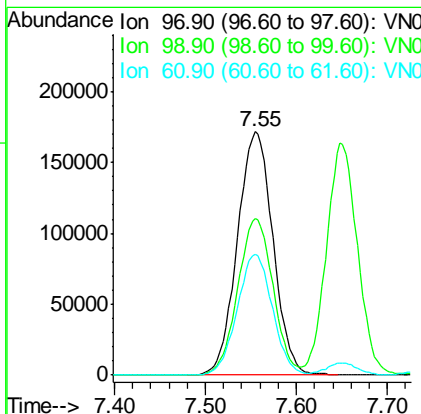
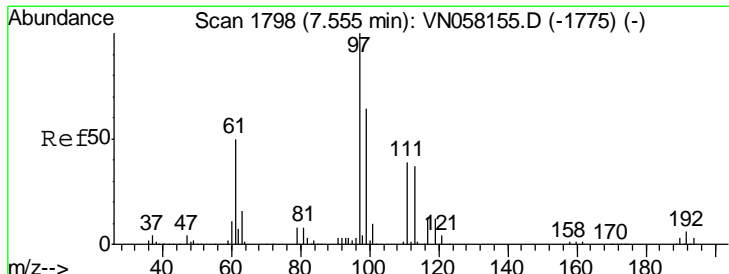
Manual Integrations
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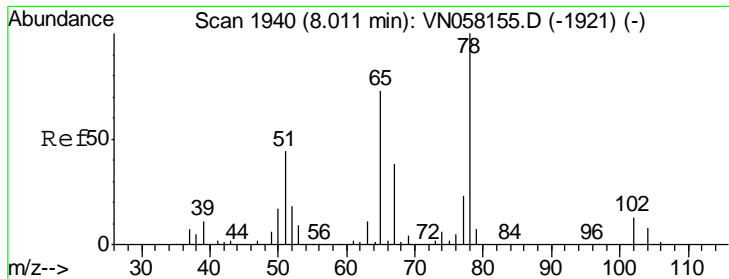
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#32
 1,1,1-Trichloroethane
 Concen: 34.526 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	49.0	39.2	58.8





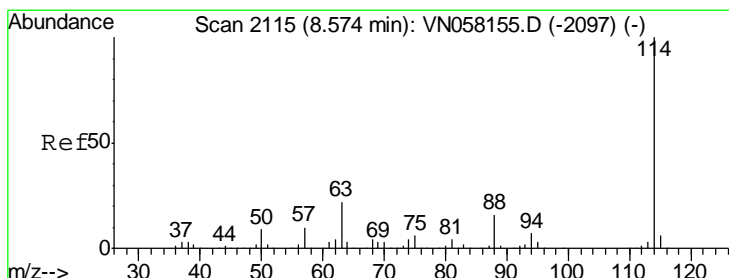
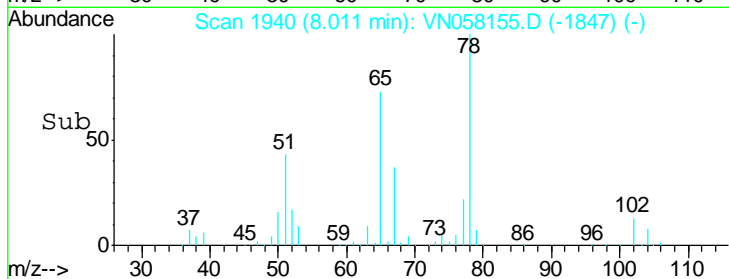
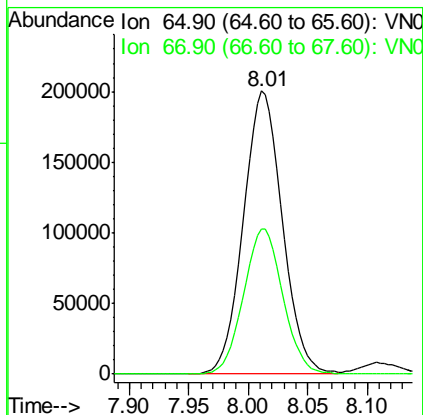
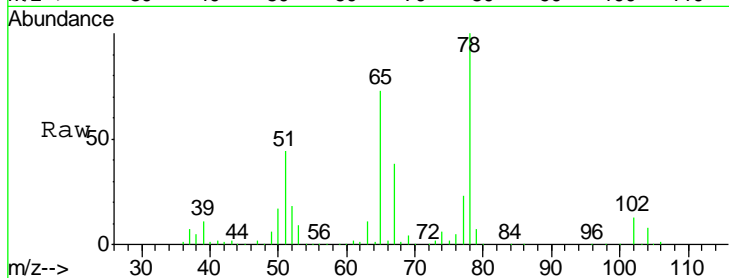
#33
 1,2-Dichloroethane-d4
 Concen: 37.035 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.7	0.0	103.4

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

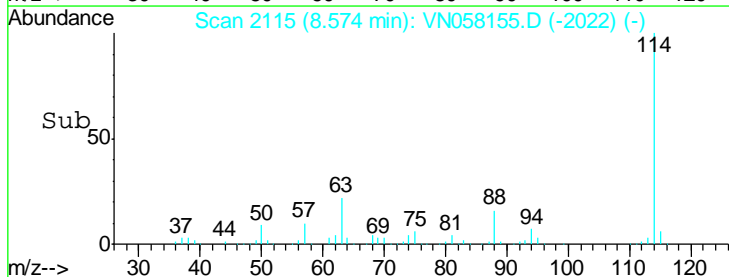
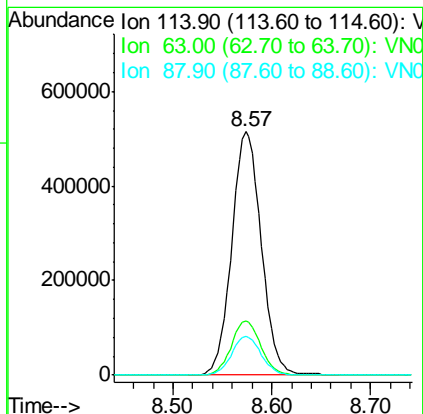
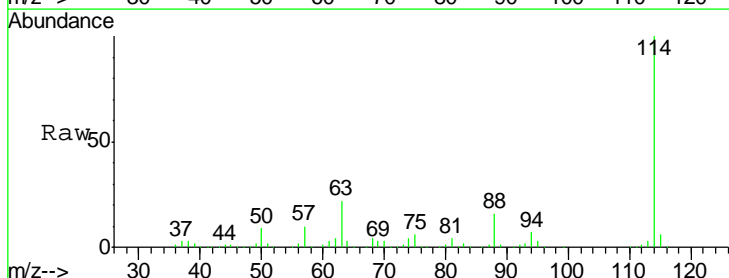
Manual Integrations
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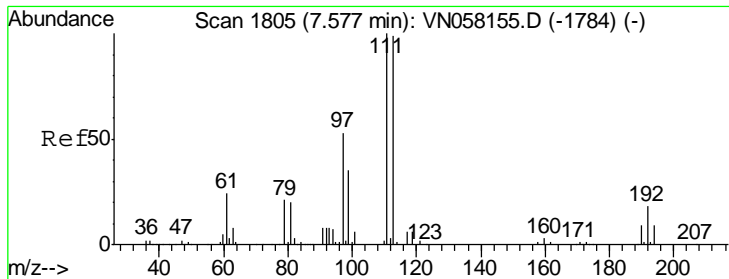
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
114	100		
63	22.1	0.0	44.2
88	15.8	0.0	31.6





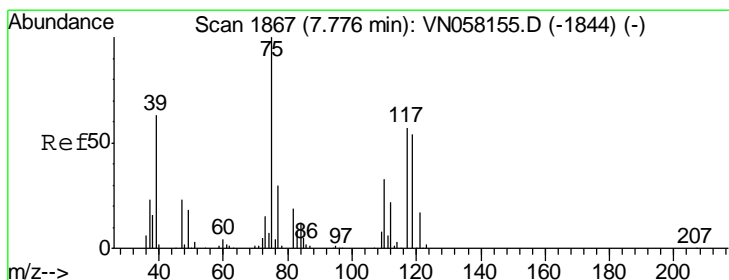
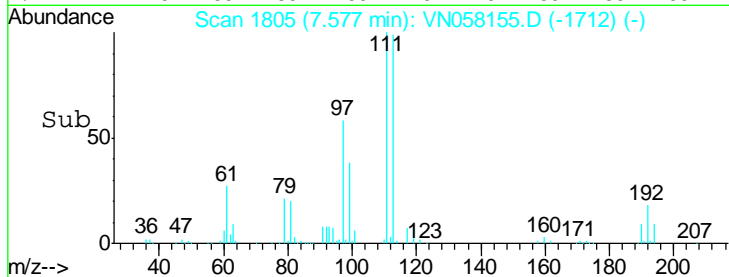
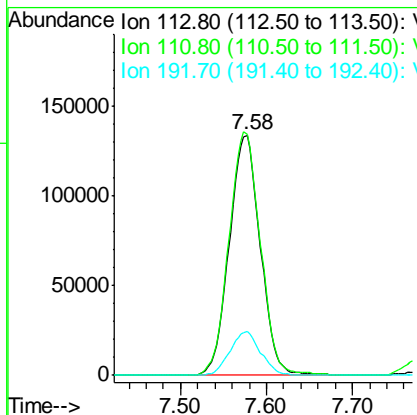
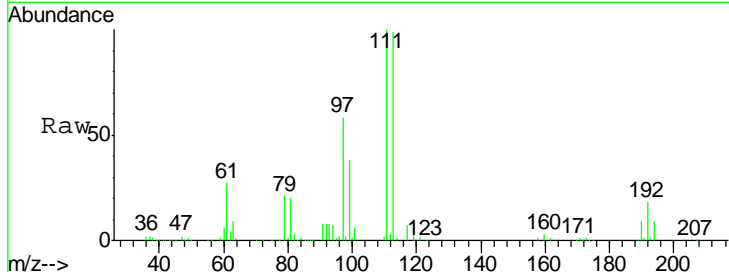
#35
 Dibromofluoromethane
 Concen: 36.169 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	18.1	14.5	21.7

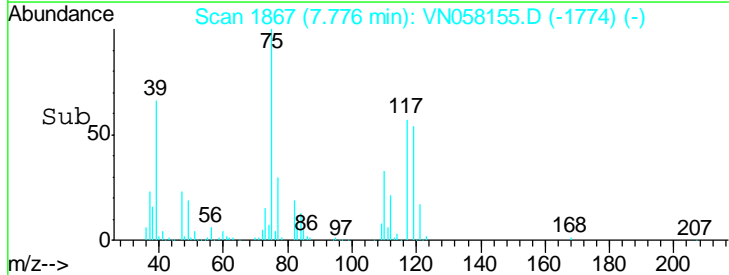
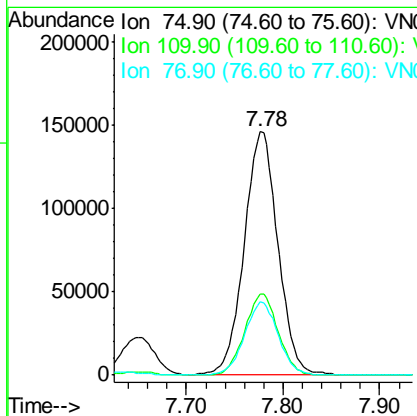
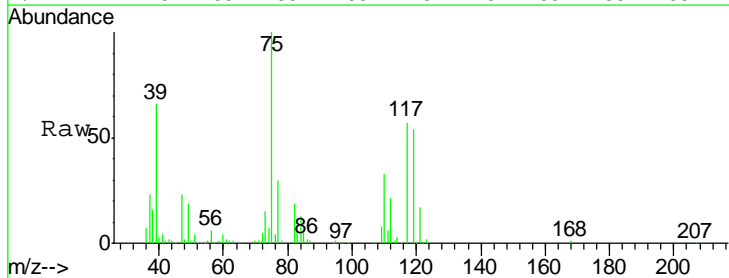
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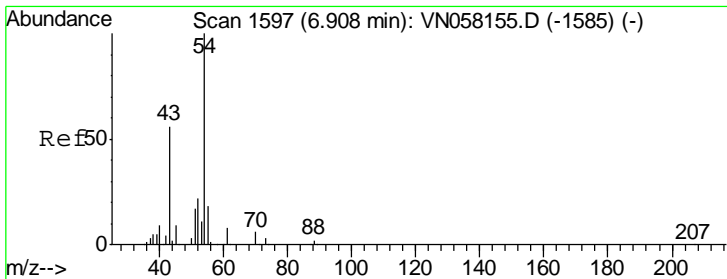
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#36
 1,1-Dichloropropene
 Concen: 30.066 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
75	100		
110	33.1	16.6	49.7
77	30.4	24.3	36.5





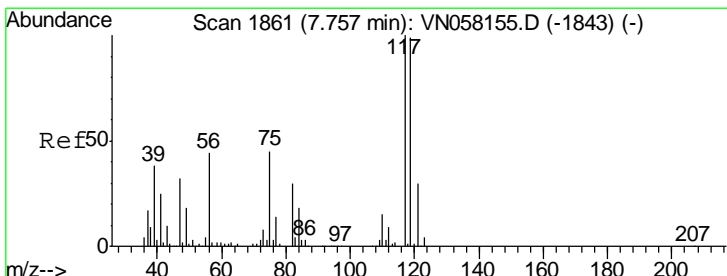
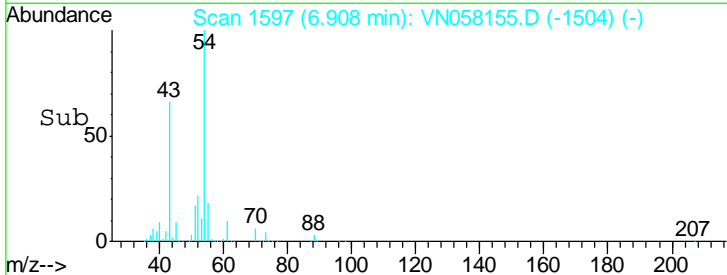
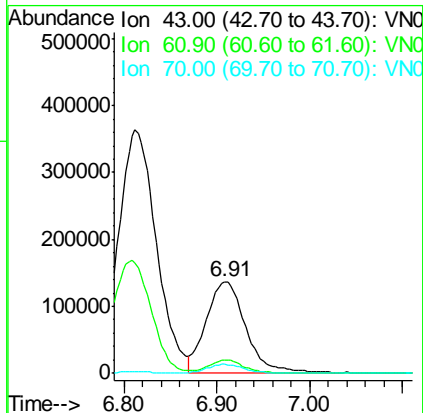
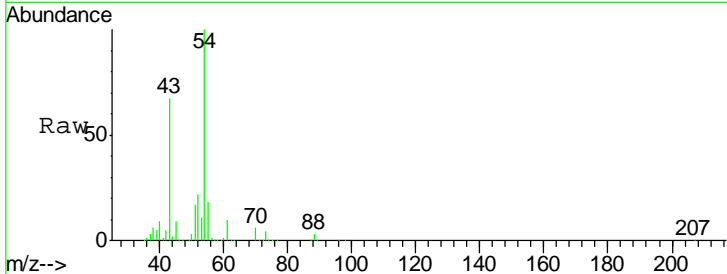
#37
 Ethyl Acetate
 Concen: 32.983 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.5	7.6	11.4

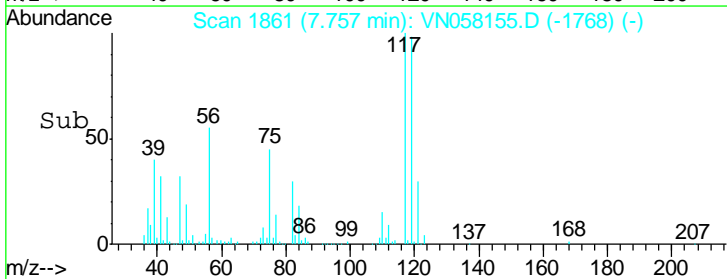
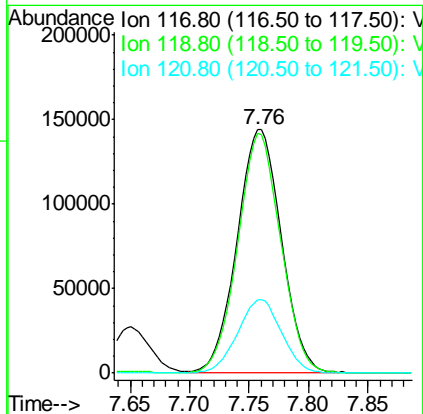
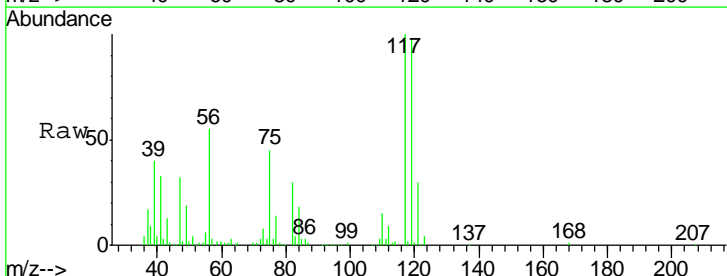
Manual Integrations
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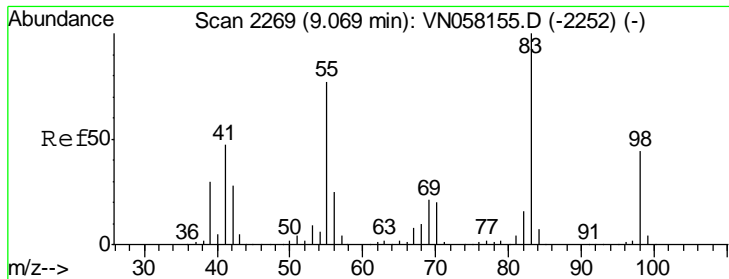
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#38
 Carbon Tetrachloride
 Concen: 34.596 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
117	100		
119	98.2	78.6	117.8
121	30.1	24.1	36.1





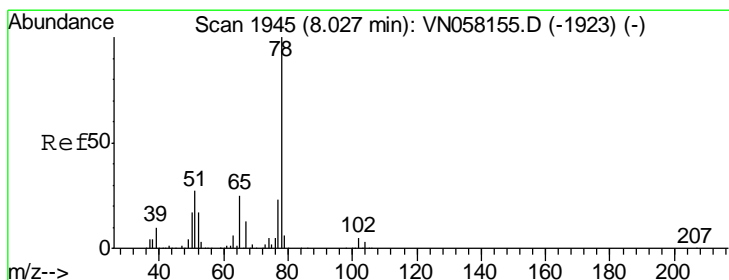
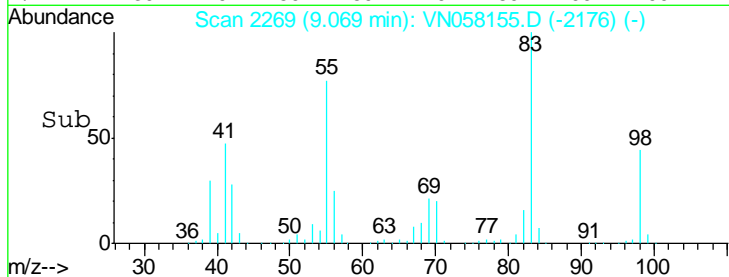
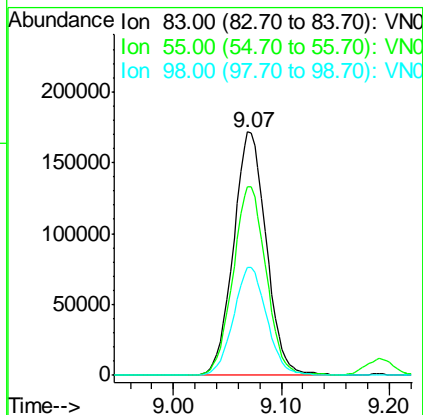
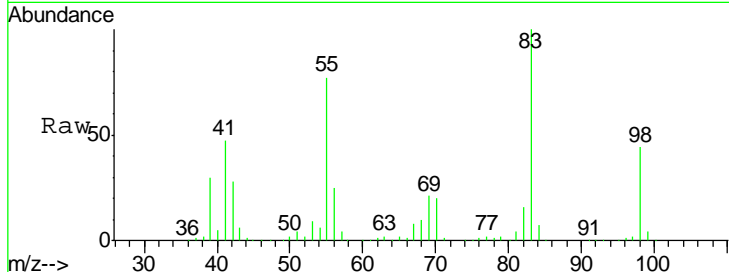
#39
 Methylcyclohexane
 Concen: 29.820 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	100		
55	77.4	61.9	92.9
98	44.3	35.4	53.2

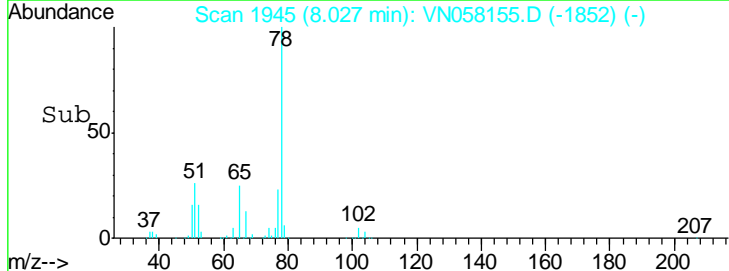
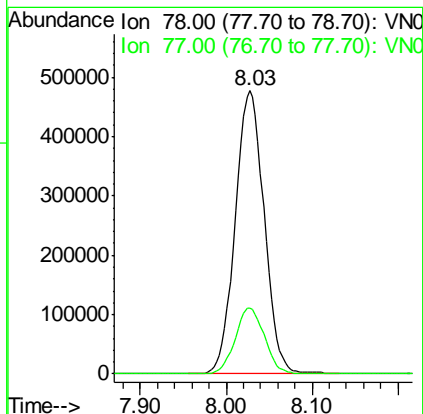
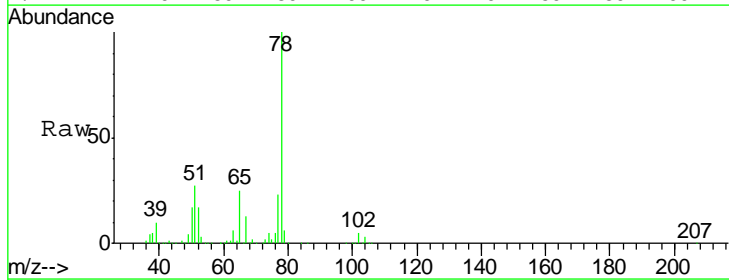
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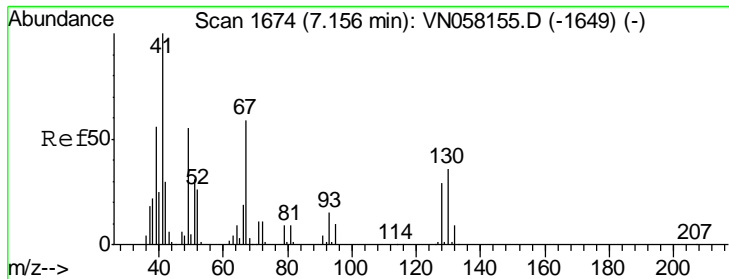
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#40
 Benzene
 Concen: 31.841 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.5	18.8	28.2





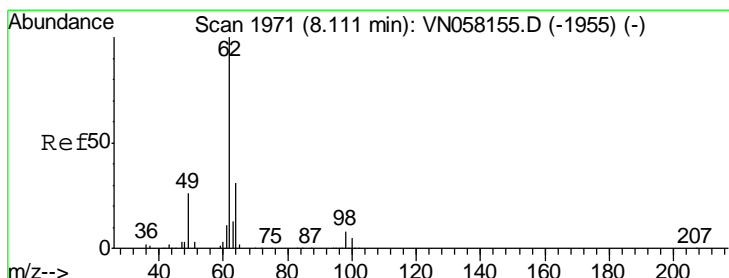
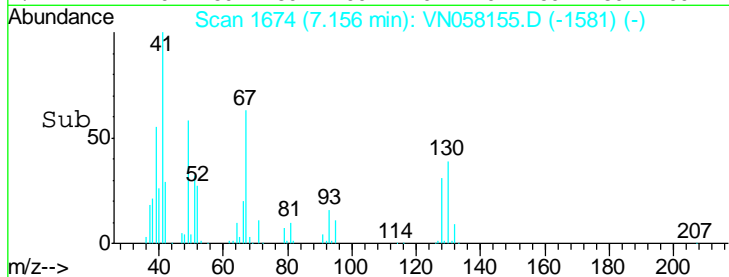
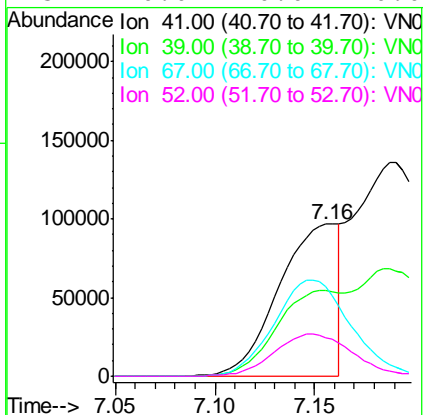
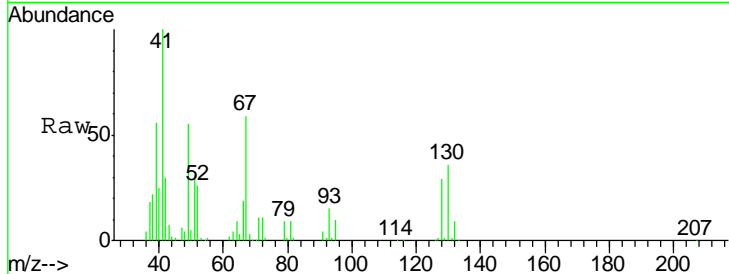
#41
 Methacrylonitrile
 Concen: 36.824 ug/l m
 RT: 7.16 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

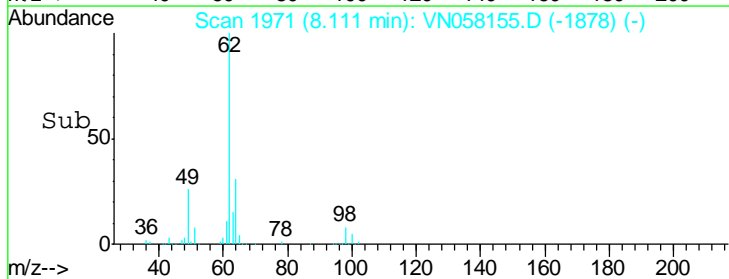
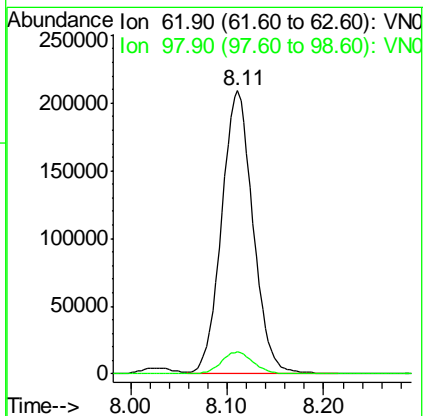
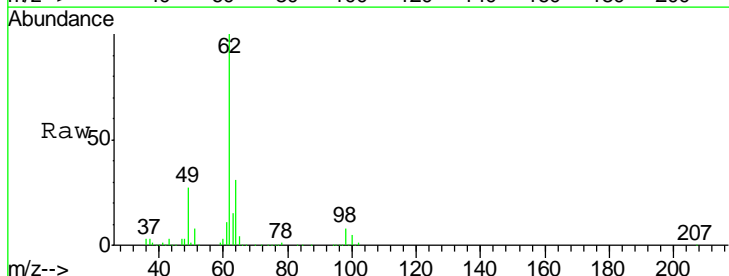
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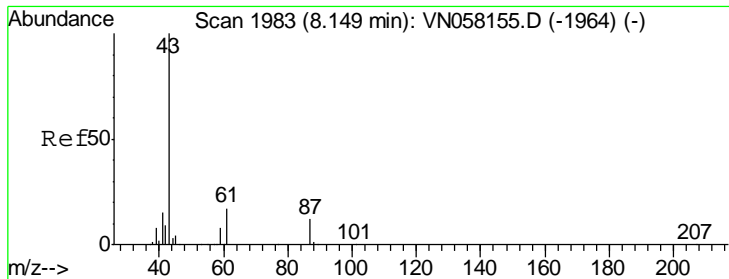
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#42
 1,2-Dichloroethane
 Concen: 33.341 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
62	100		
98	7.8	0.0	15.6





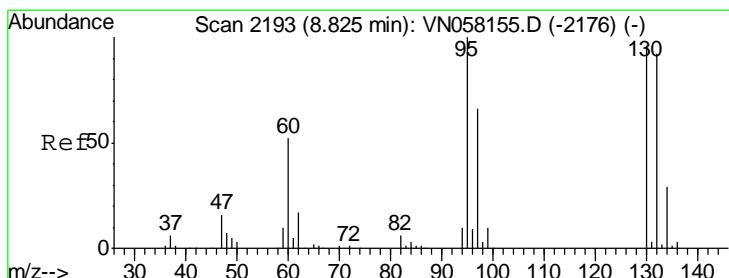
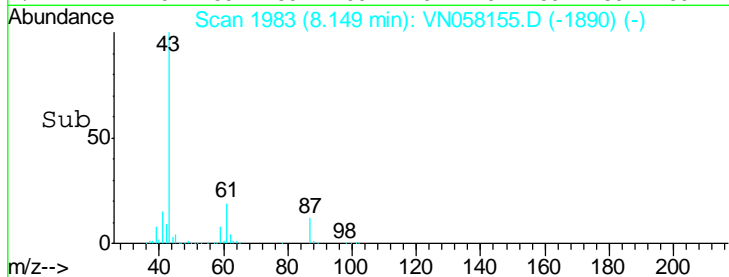
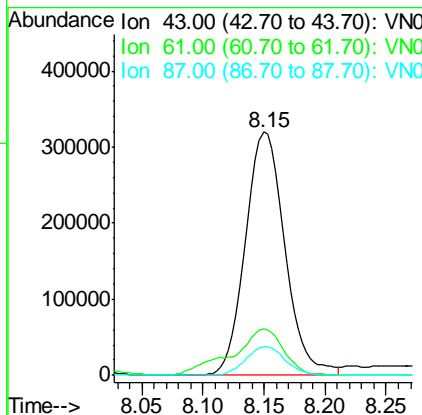
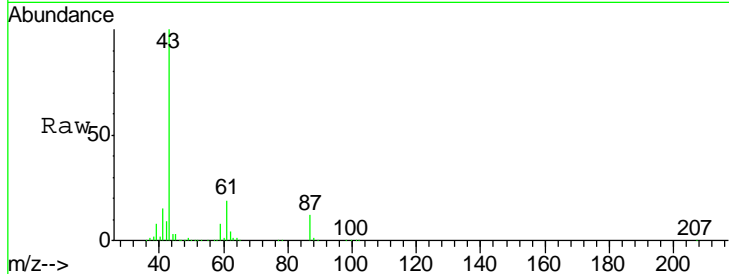
#43
 Isopropyl Acetate
 Concen: 35.075 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	24.6	19.7	29.5
87	11.8	9.4	14.2

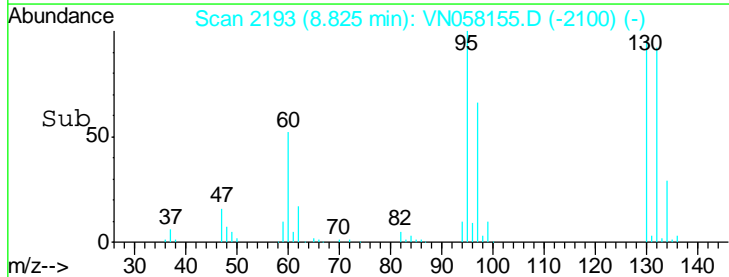
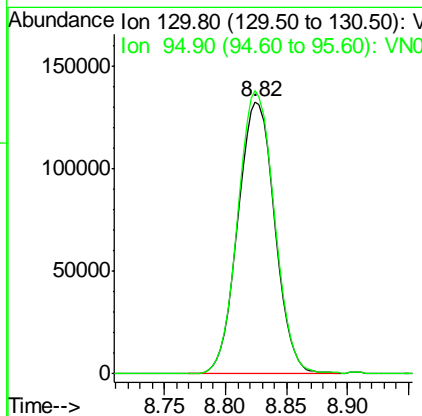
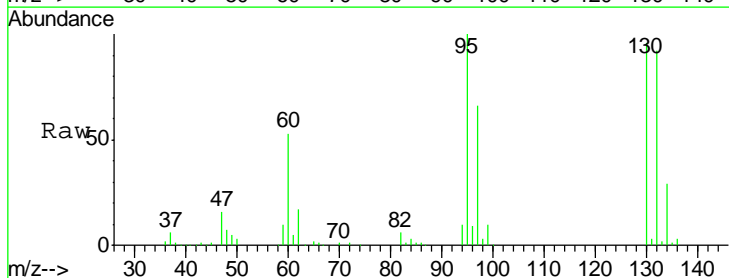
Manual Integrations
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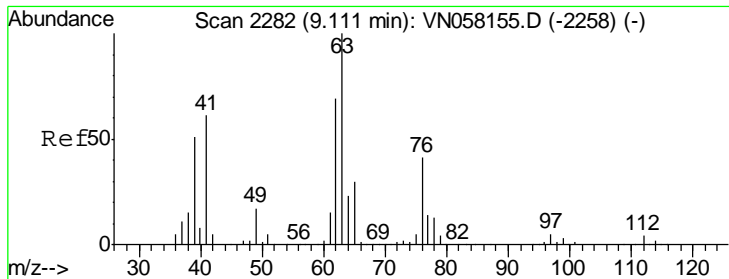
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#44
 Trichloroethene
 Concen: 32.118 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
130	100		
95	103.9	0.0	207.8





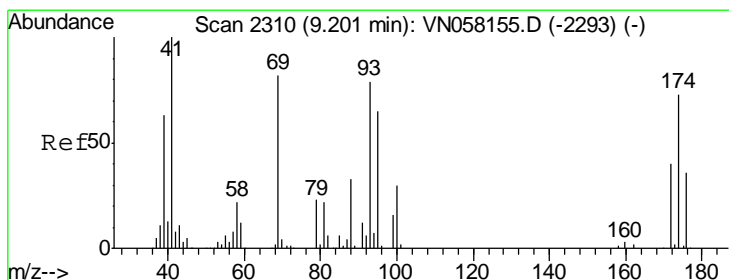
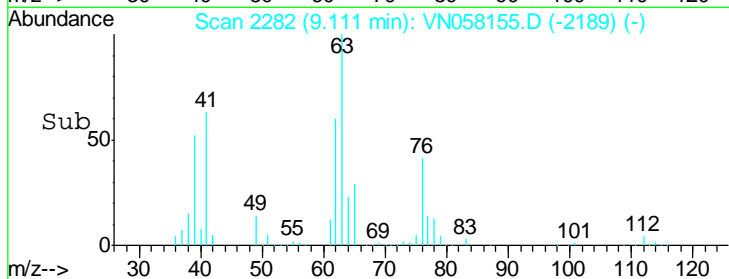
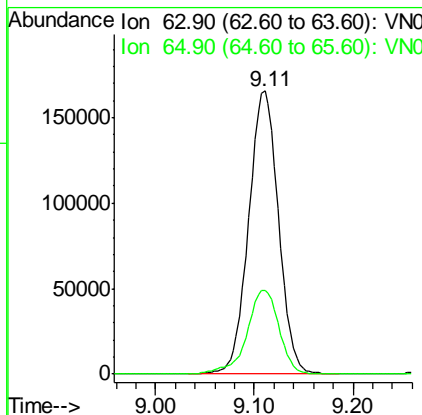
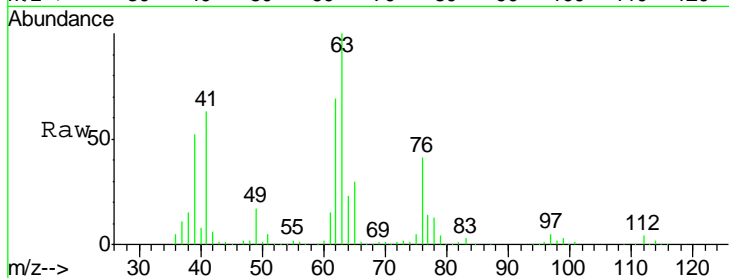
#45
 1,2-Dichloropropane
 Concen: 33.754 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	29.7	23.8	35.6

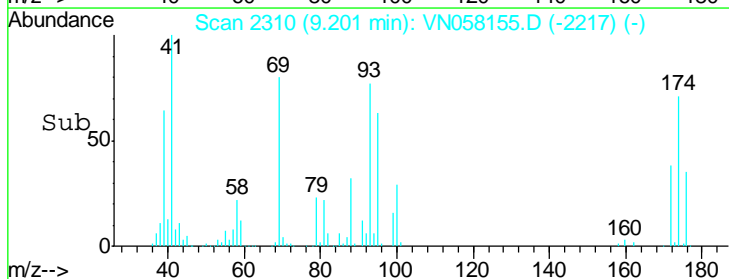
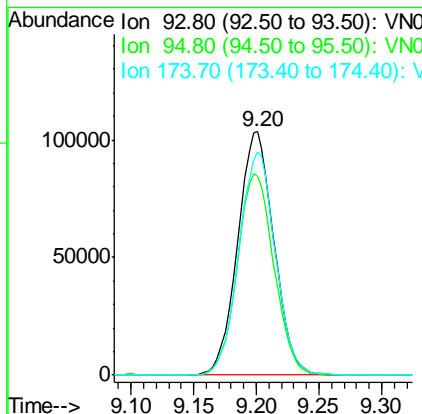
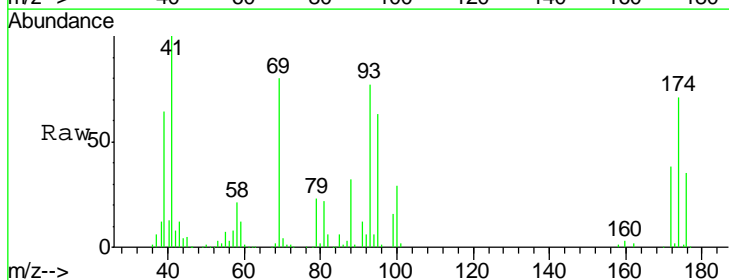
Manual Integrations
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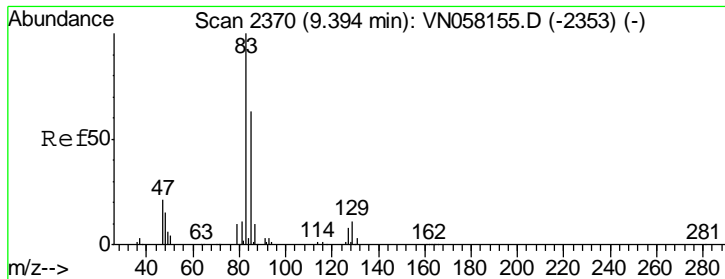
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#46
 Dibromomethane
 Concen: 33.622 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.5	66.8	100.2
174	92.3	73.8	110.8





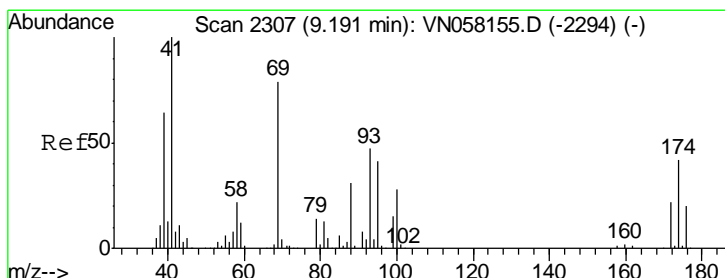
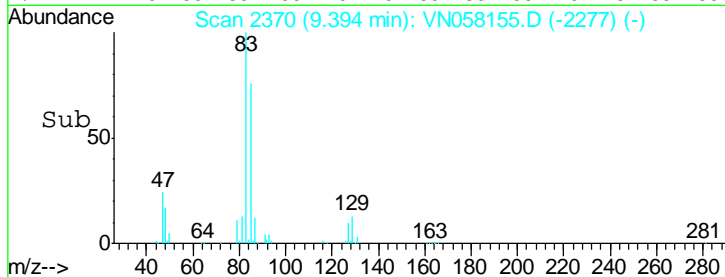
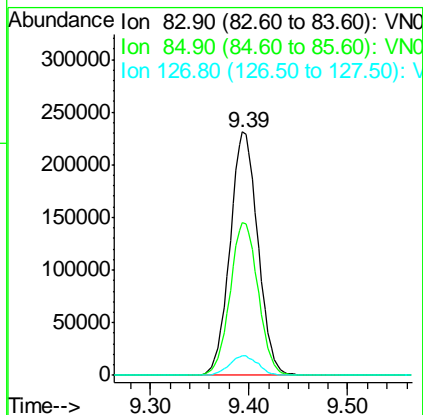
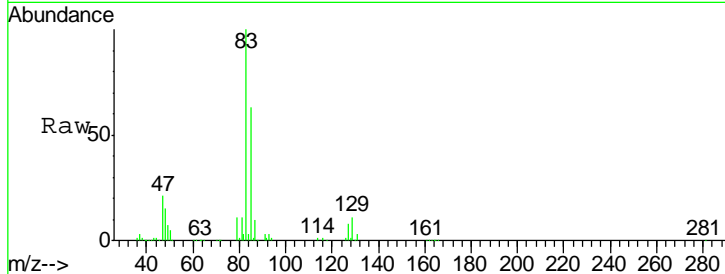
#47
 Bromodichloromethane
 Concen: 36.916 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	62.6	50.1	75.1
127	8.0	6.4	9.6

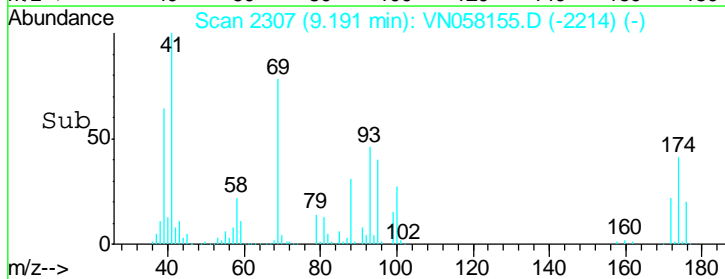
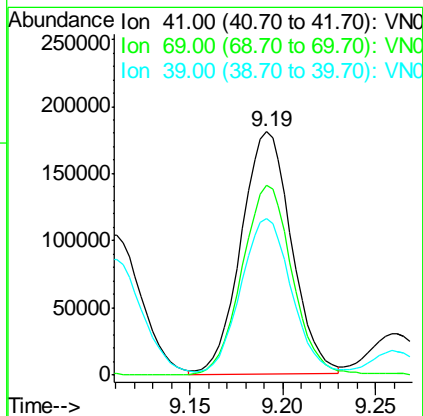
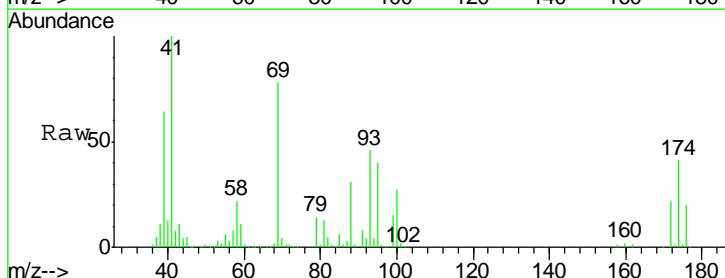
Manual Integrations
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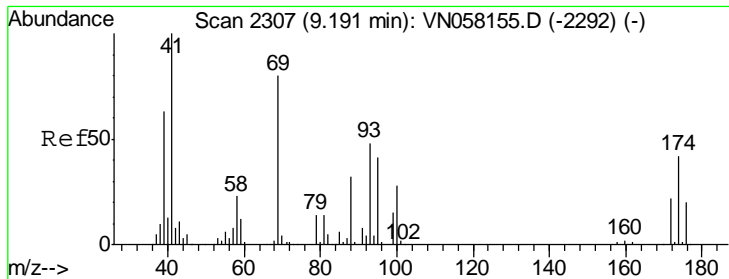
MMDadoda
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#48
 Methyl methacrylate
 Concen: 33.428 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
41	100		
69	78.1	62.5	93.7
39	65.4	52.3	78.5





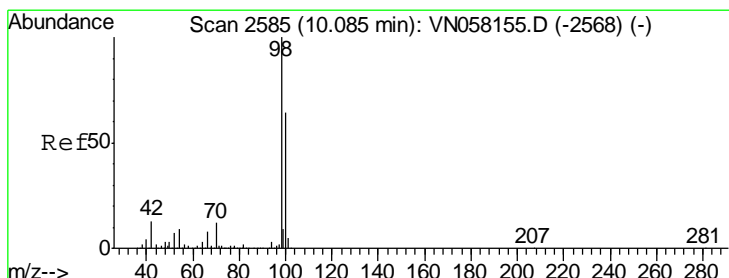
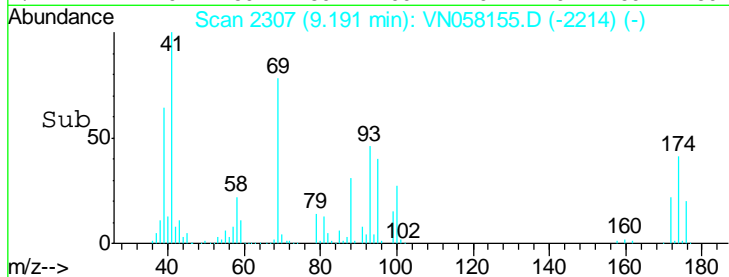
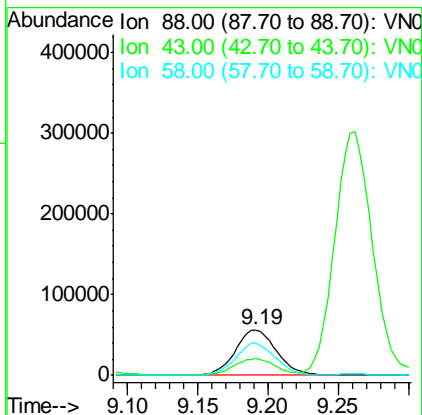
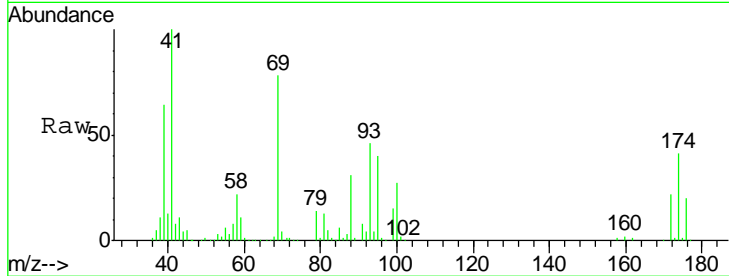
#49
 1,4-Dioxane
 Concen: 666.161 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
88	116033		
88	100		
43	34.8	27.8	41.8
58	68.7	55.0	82.4

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

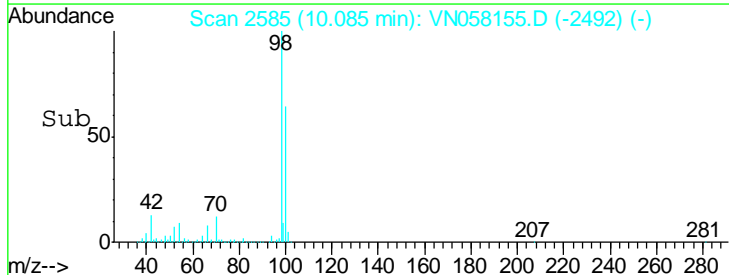
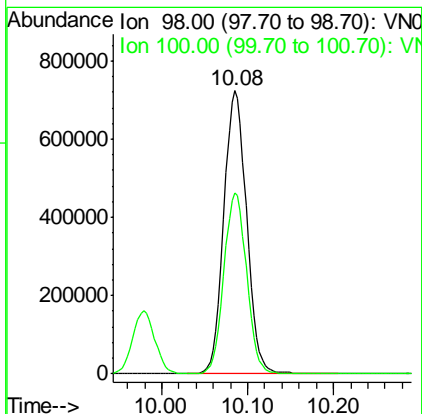
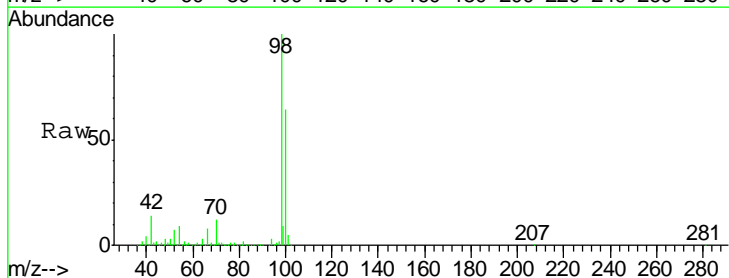
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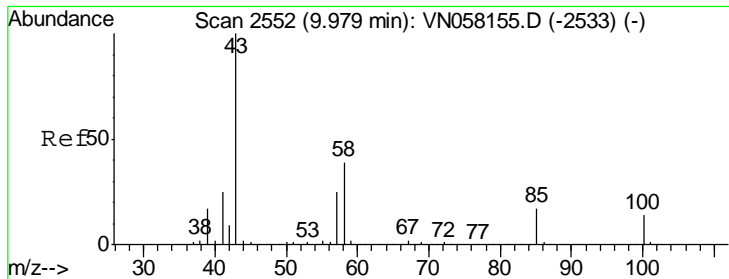
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#50
 Toluene-d8
 Concen: 37.317 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
98	1335232		
98	100		
100	63.9	51.1	76.7





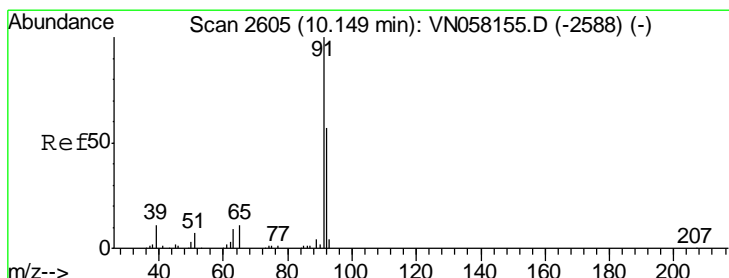
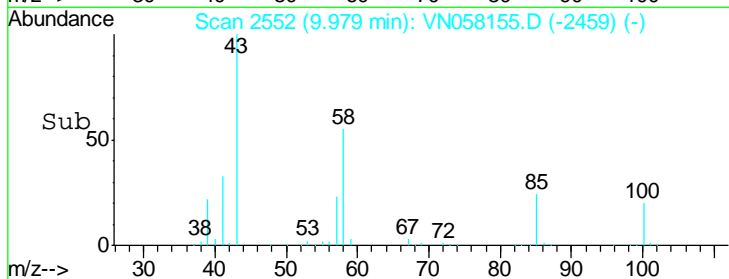
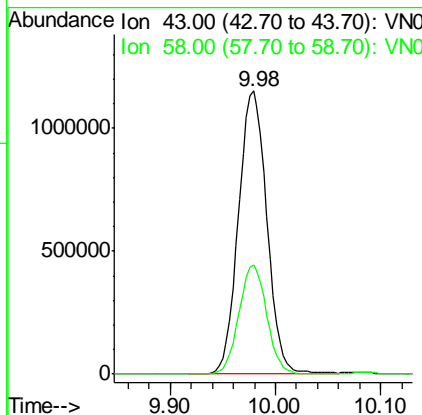
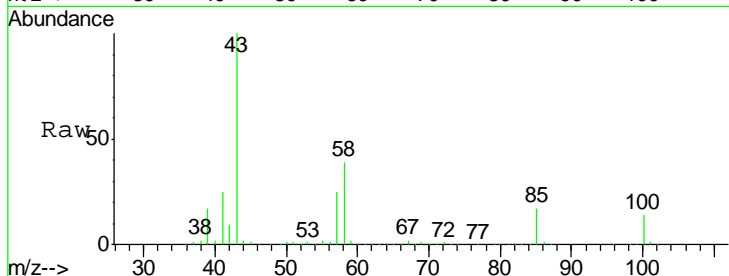
#51
 4-Methyl-2-Pentanone
 Concen: 181.252 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	37.8	30.2	45.4

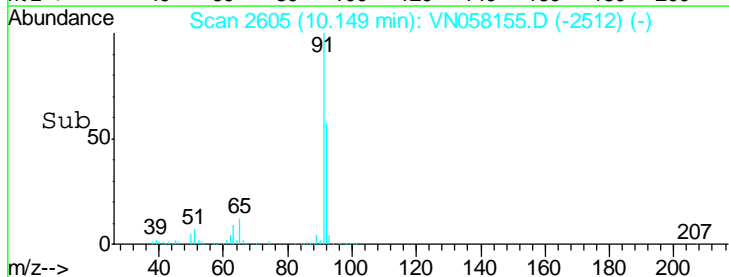
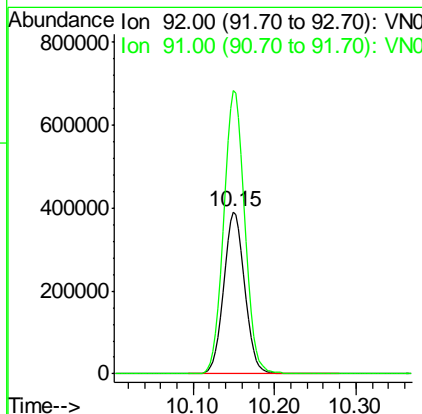
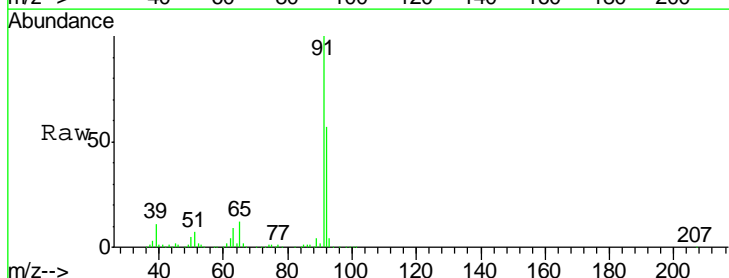
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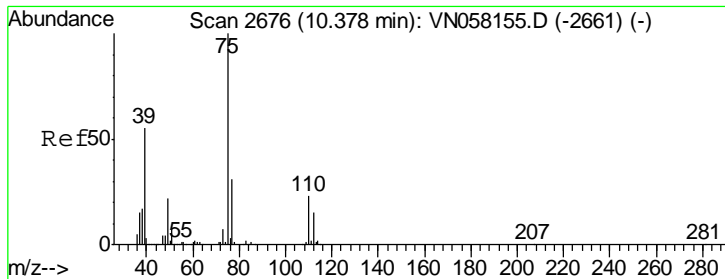
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#52
 Toluene
 Concen: 32.413 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
92	100		
91	175.2	140.2	210.2





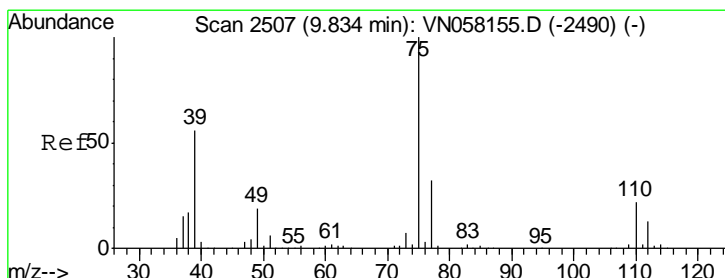
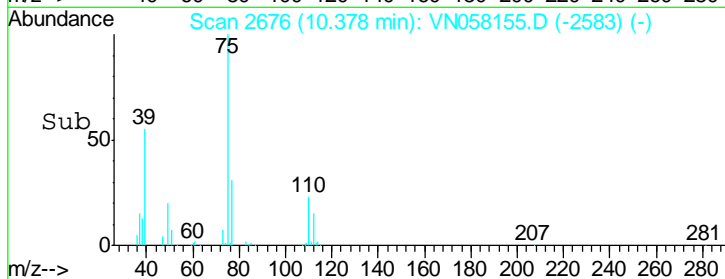
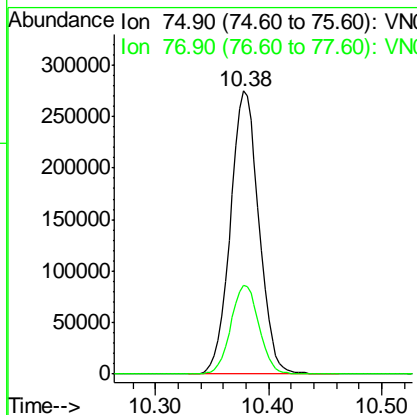
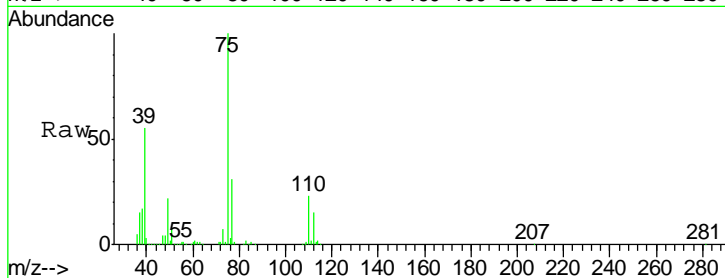
#53
 t-1,3-Dichloropropene
 Concen: 37.206 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.1	24.9	37.3

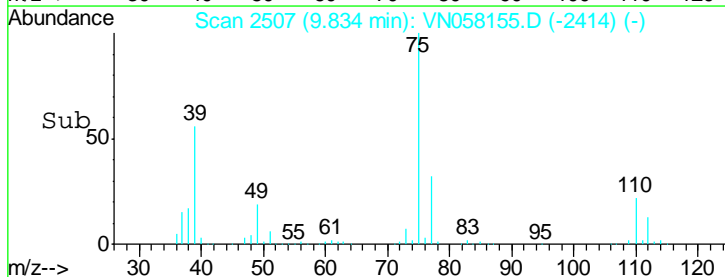
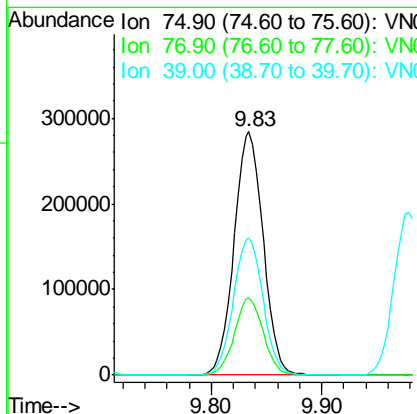
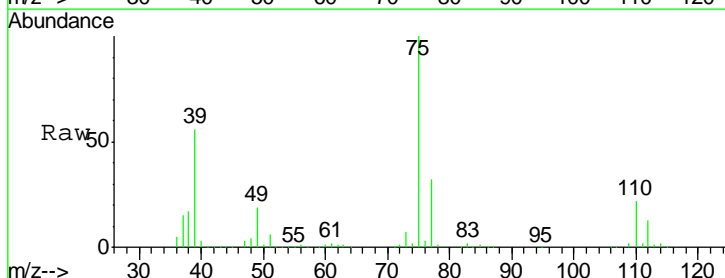
Manual Integrations
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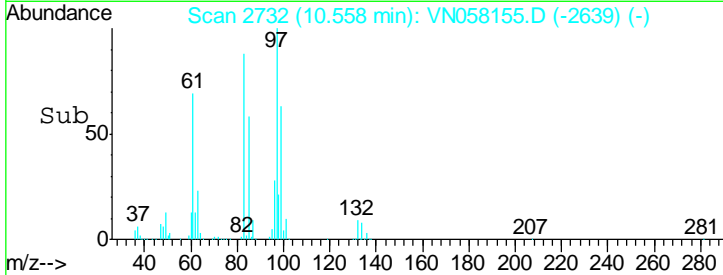
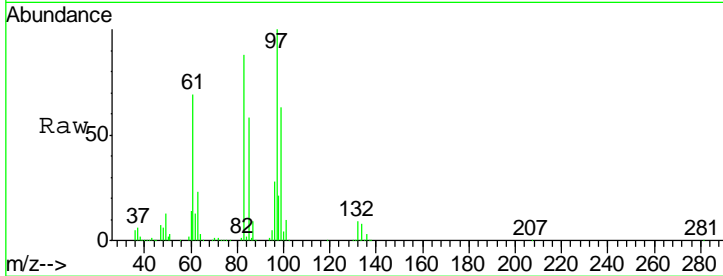
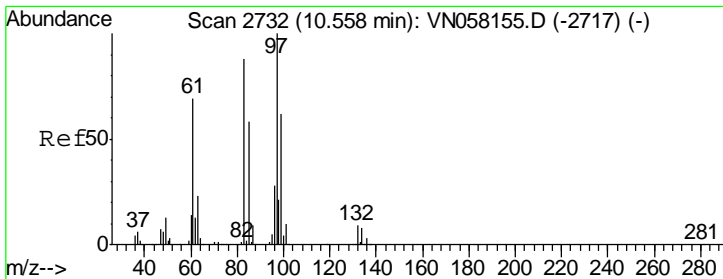
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#54
 cis-1,3-Dichloropropene
 Concen: 36.288 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

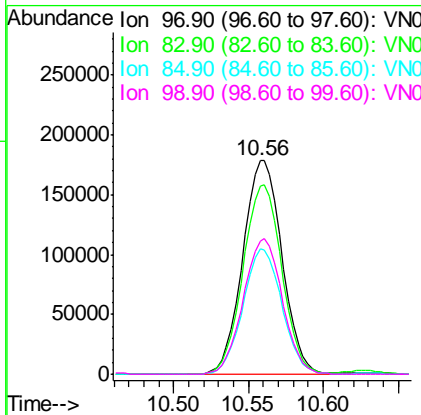
Tgt Ion	Resp	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	56.3	45.0	67.6





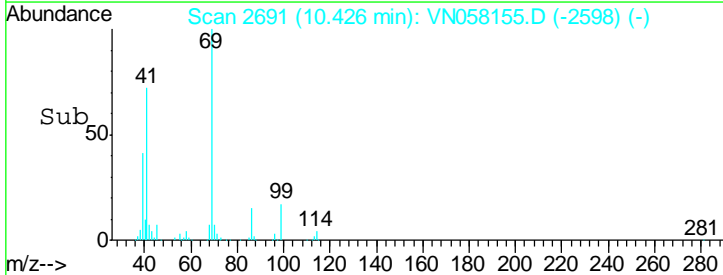
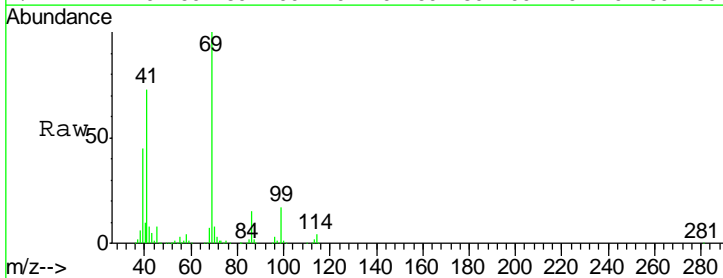
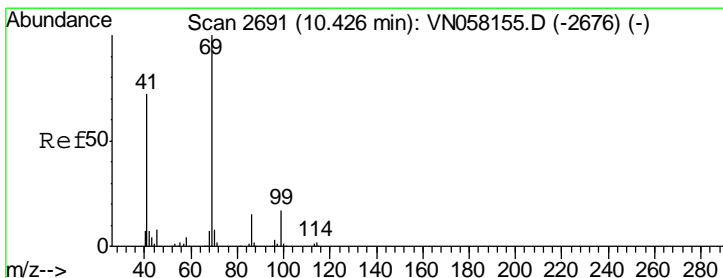
#55
 1,1,2-Trichloroethane
 Concen: 34.838 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	58.5	46.8	70.2
99	62.4	49.9	74.9



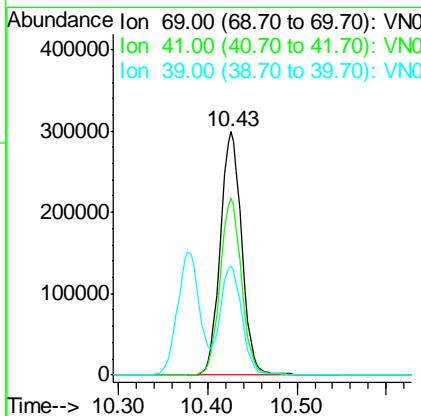
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

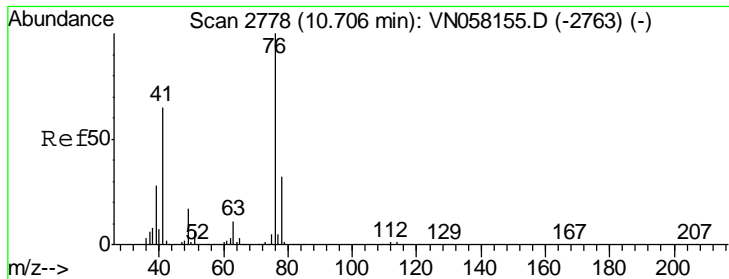
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#56
 Ethyl methacrylate
 Concen: 35.391 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
69	100		
41	71.9	57.5	86.3
39	45.1	36.1	54.1





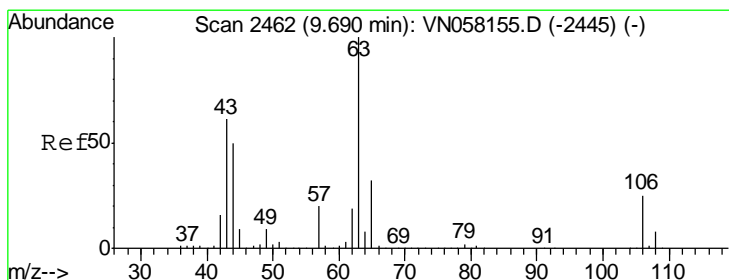
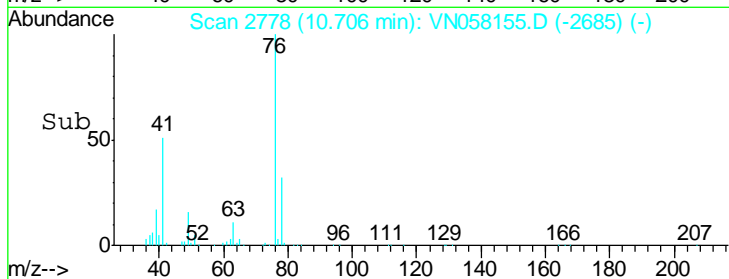
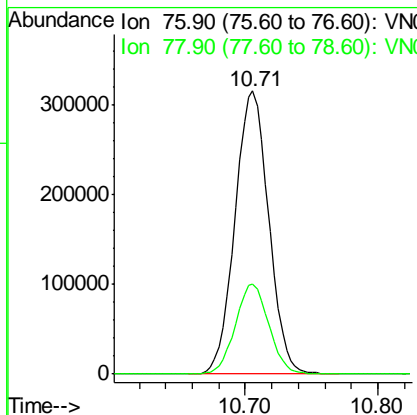
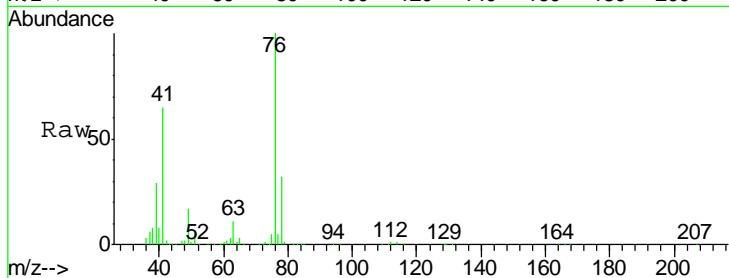
#57
 1,3-Dichloropropane
 Concen: 34.507 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	556934		
76	100		
78	31.7	25.4	38.0

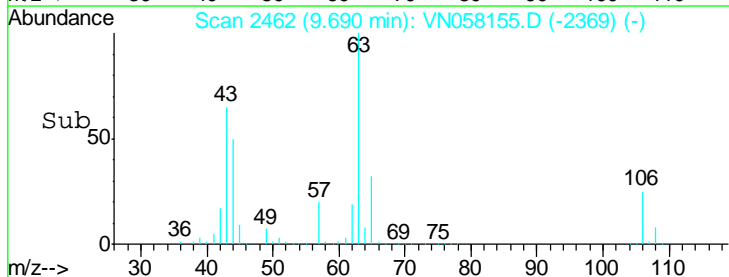
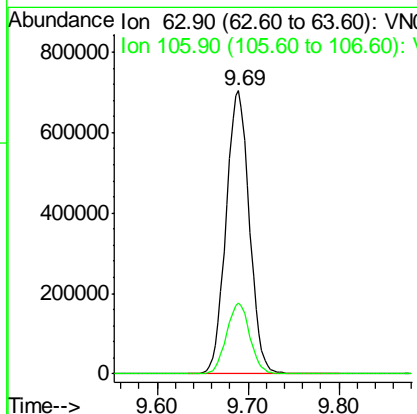
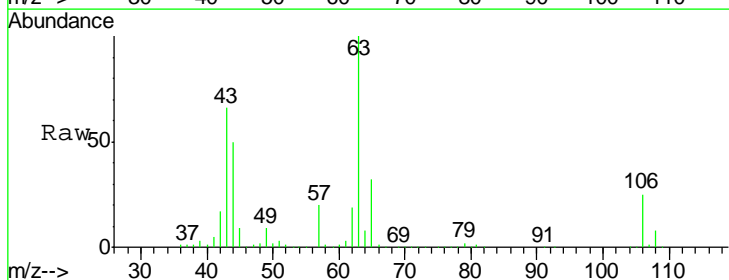
Manual Integrations
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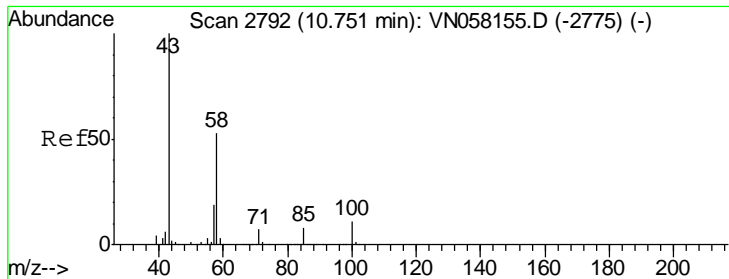
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#58
 2-Chloroethyl Vinyl ether
 Concen: 191.490 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
63	1253079		
63	100		
106	24.9	19.9	29.9





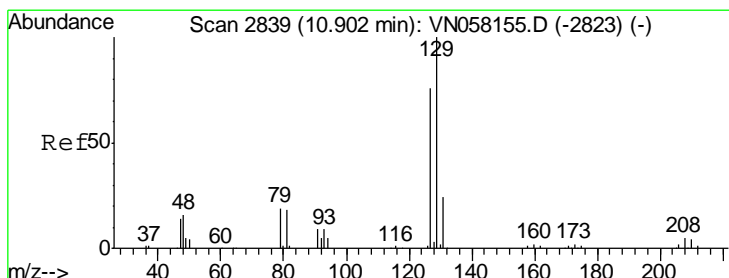
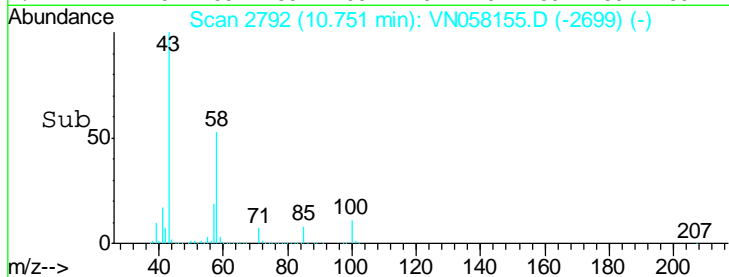
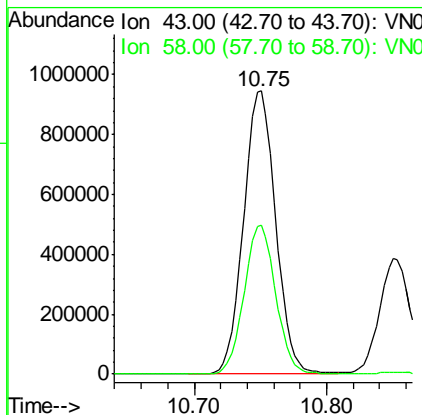
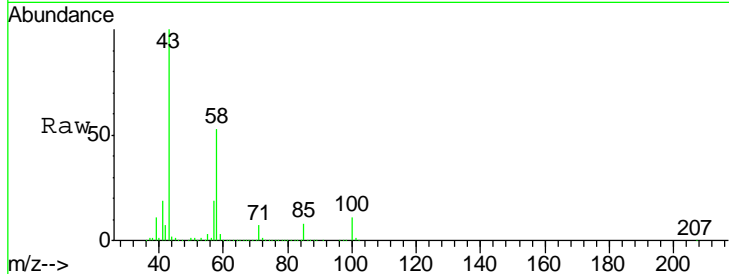
#59
 2-Hexanone
 Concen: 178.741 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	52.0	26.0	78.0

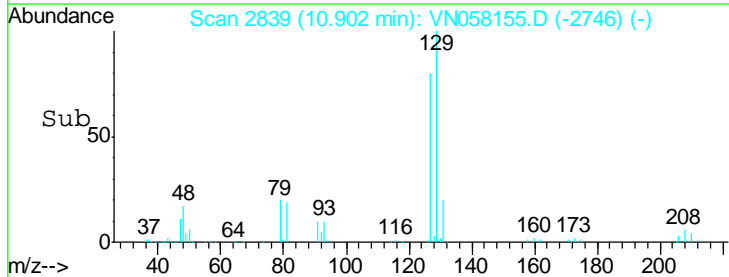
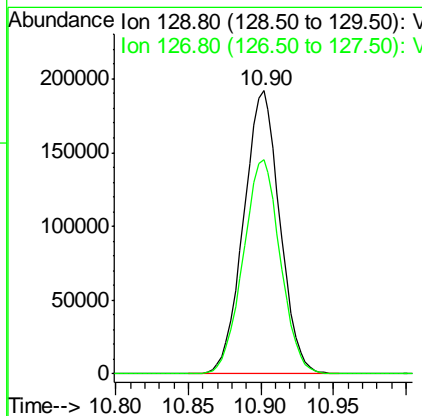
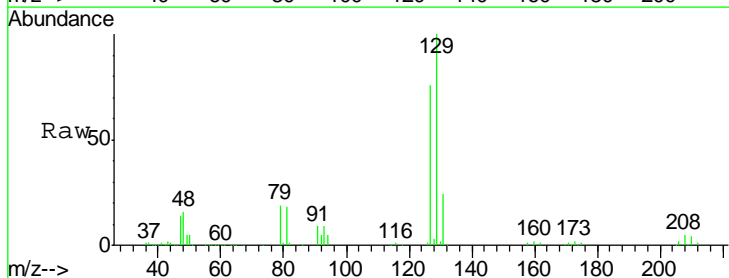
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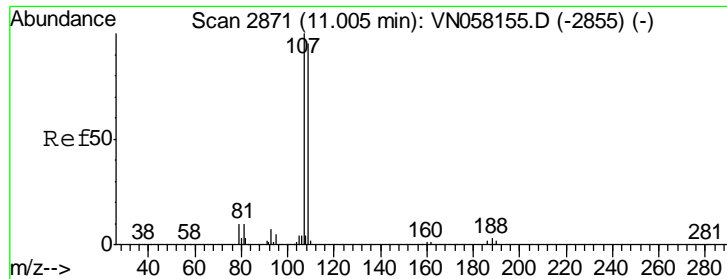
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#60
 Dibromochloromethane
 Concen: 38.562 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.4	38.7	116.1





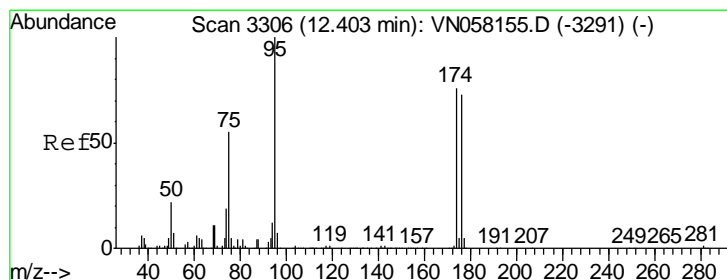
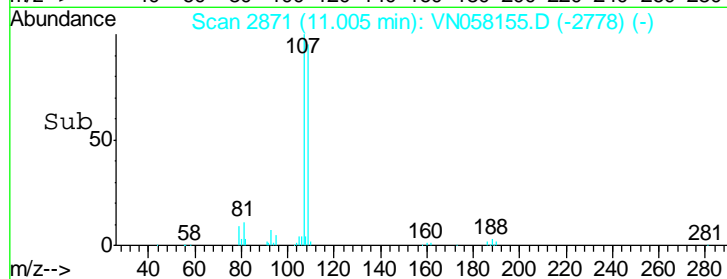
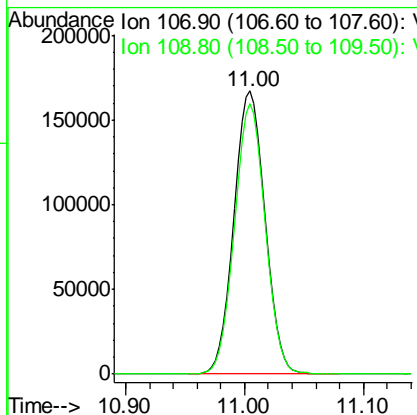
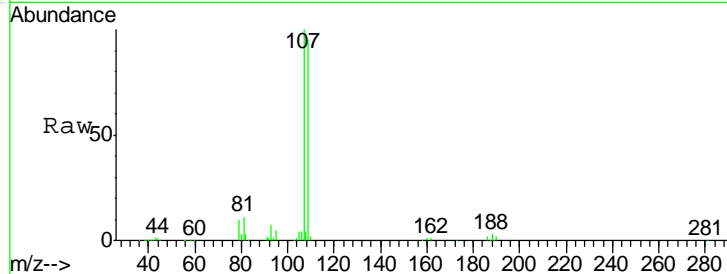
#61
 1,2-Dibromoethane
 Concen: 34.309 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
107	302861		
109	94.3	75.4	113.2

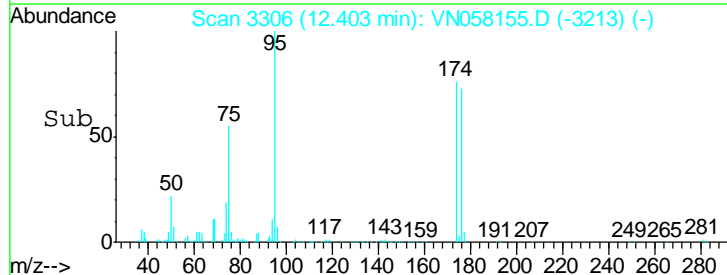
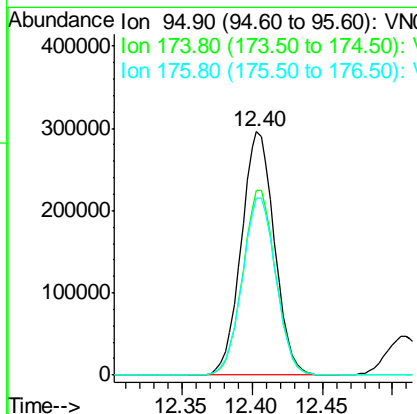
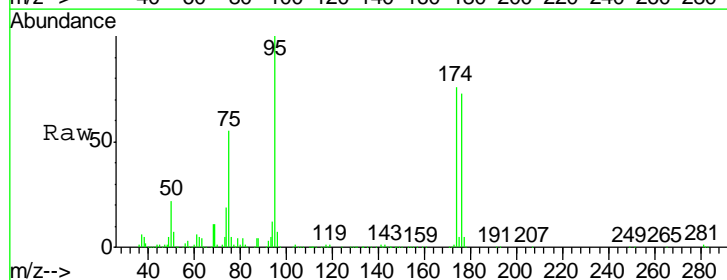
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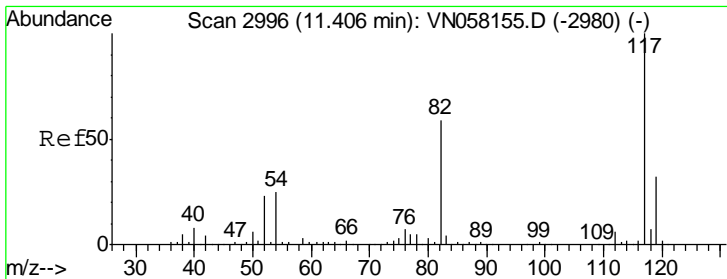
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#62
 4-Bromofluorobenzene
 Concen: 35.349 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
95	486301		
174	76.1	0.0	152.2
176	74.0	0.0	148.0





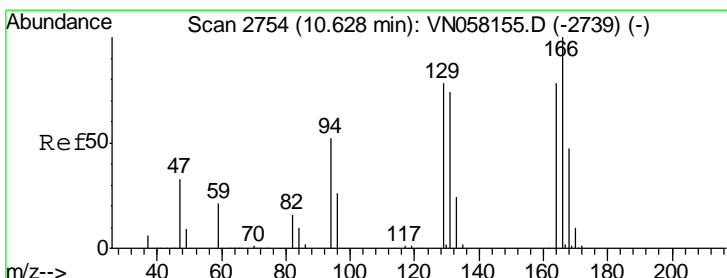
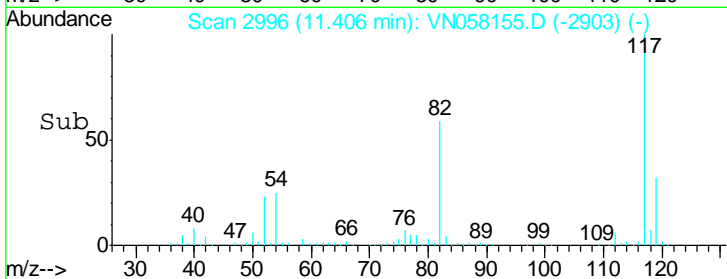
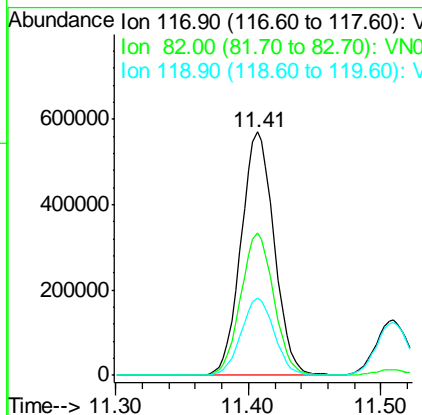
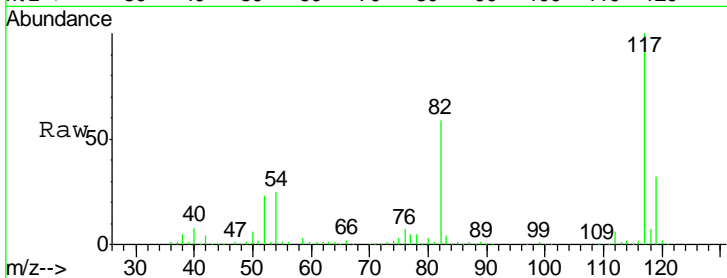
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
117	100		
82	58.6	46.9	70.3
119	31.6	25.3	37.9

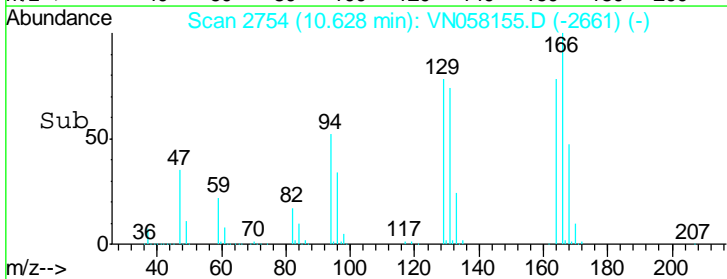
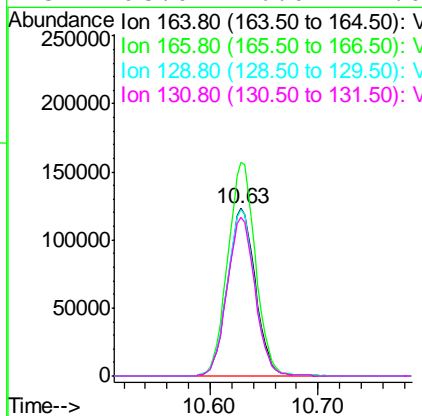
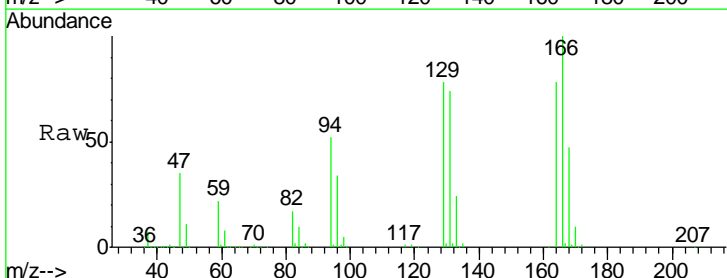
Manual Integrations
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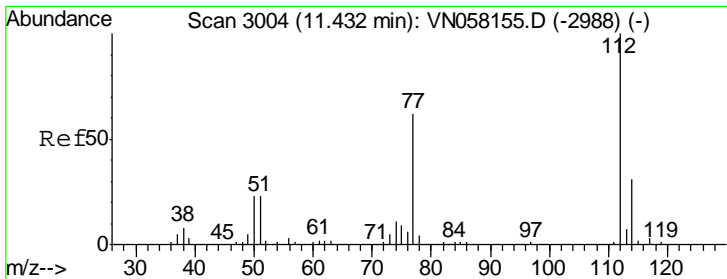
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#64
 Tetrachloroethene
 Concen: 32.364 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.8	102.2	153.4
129	99.5	79.6	119.4
131	95.0	76.0	114.0





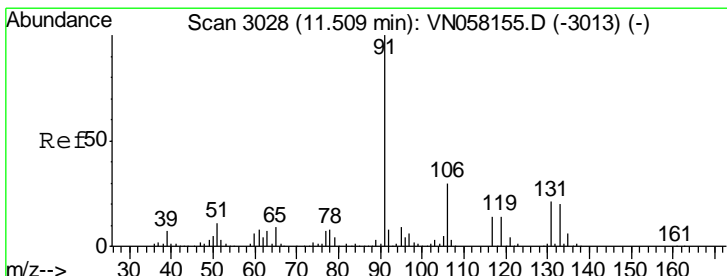
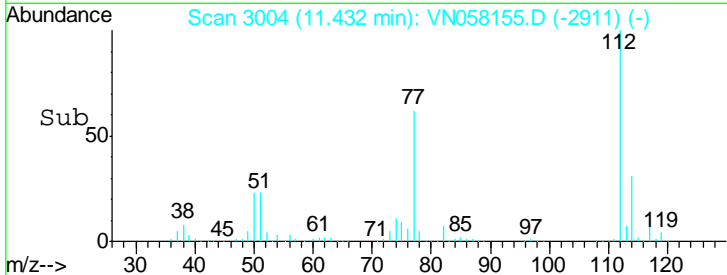
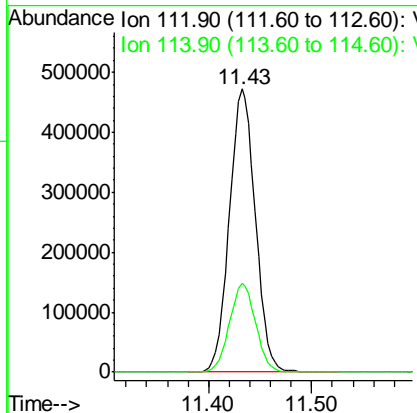
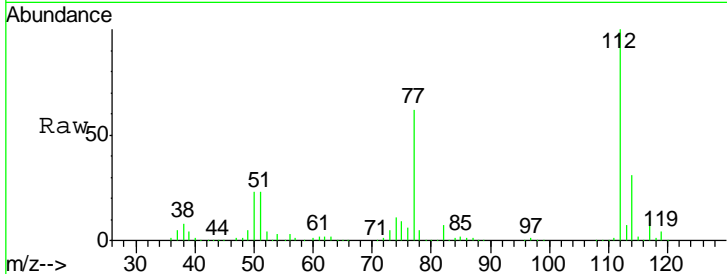
#65
 Chlorobenzene
 Concen: 34.150 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.4	25.1	37.7

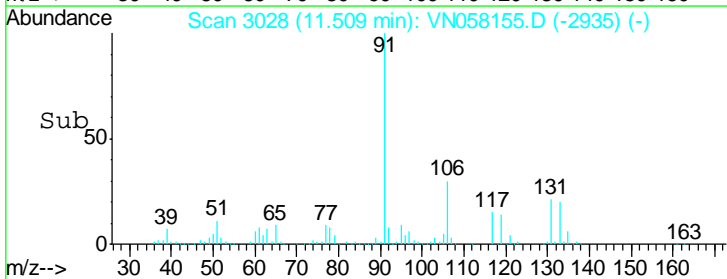
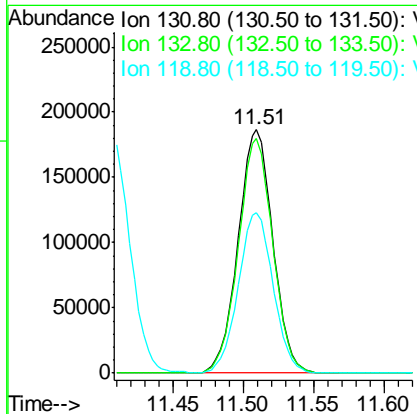
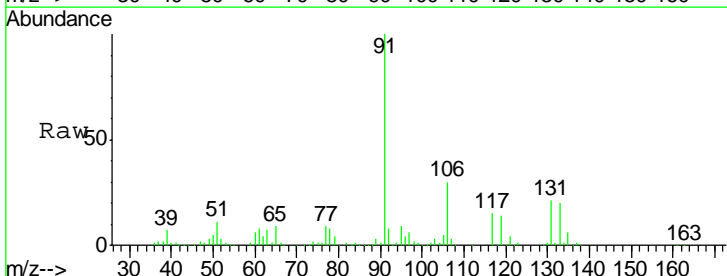
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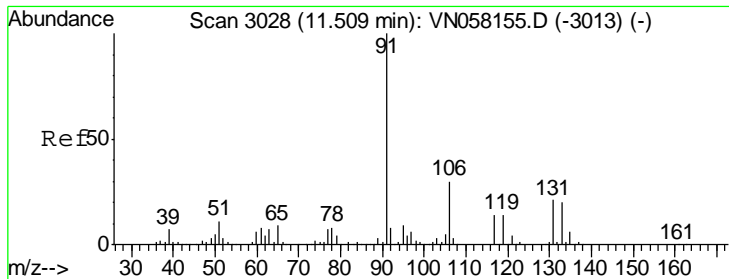
MMDadoda
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 38.098 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	66.2	33.1	99.3





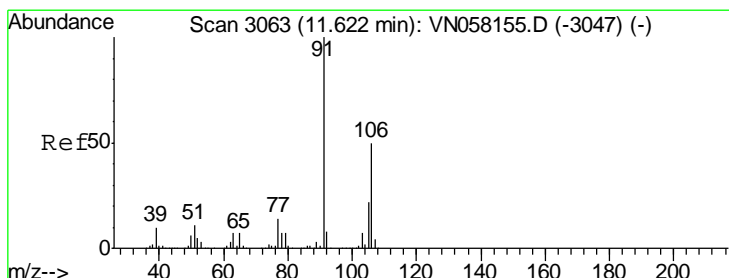
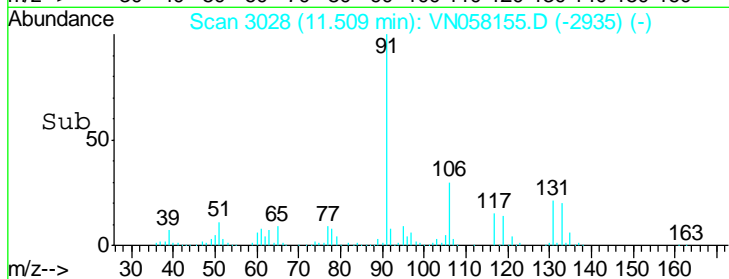
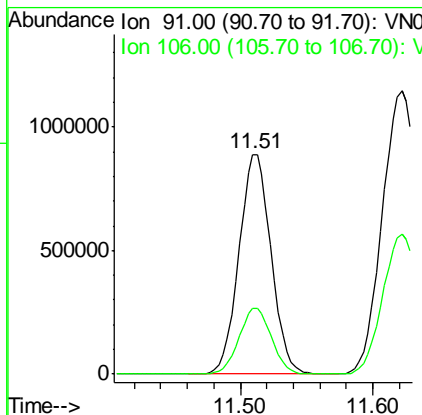
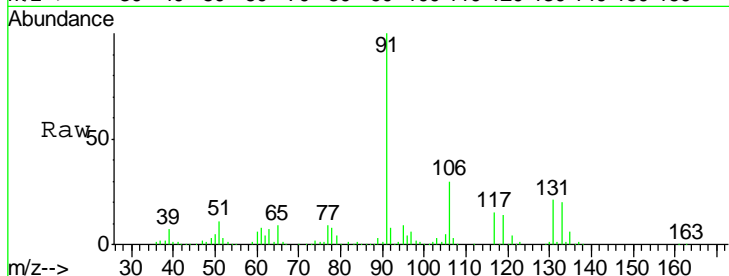
#67
Ethyl Benzene
Concen: 35.150 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.0	24.0	36.0

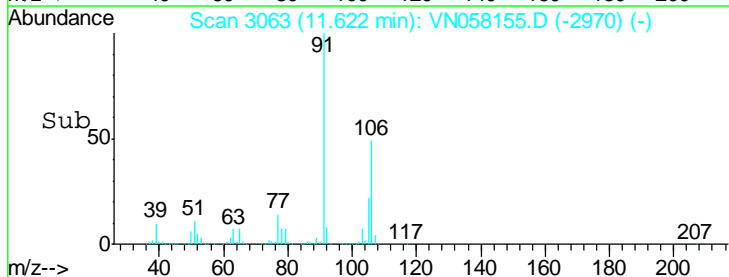
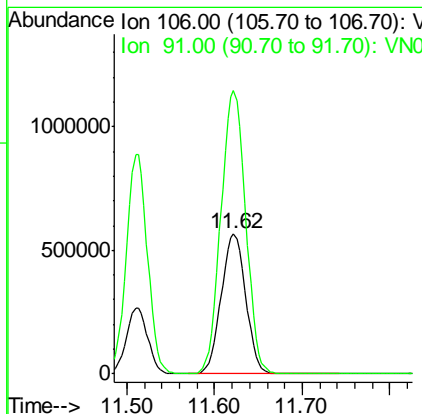
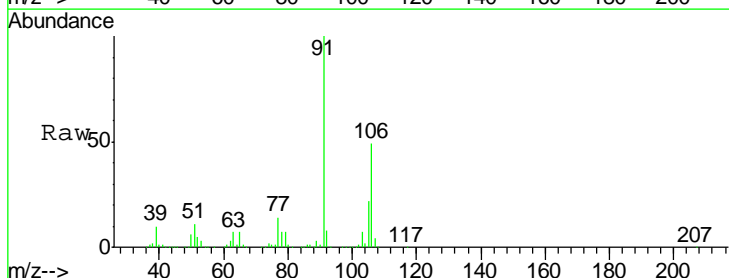
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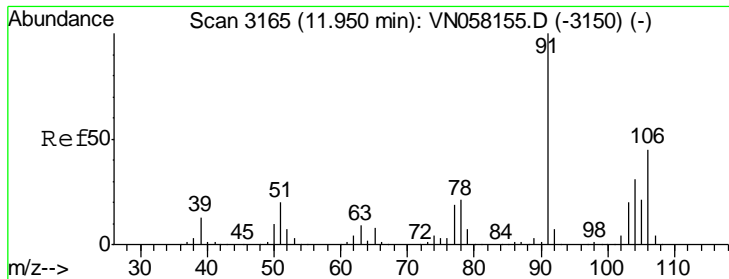
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#68
m/p-Xylenes
Concen: 70.637 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
106	100		
91	204.5	163.6	245.4





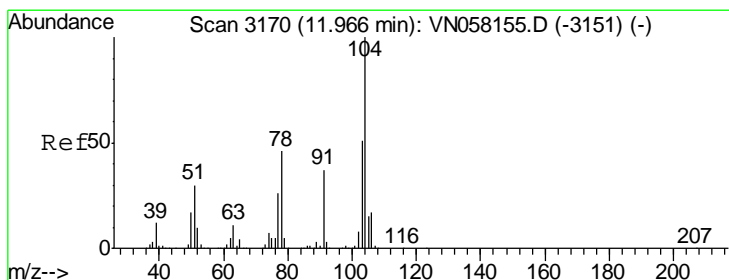
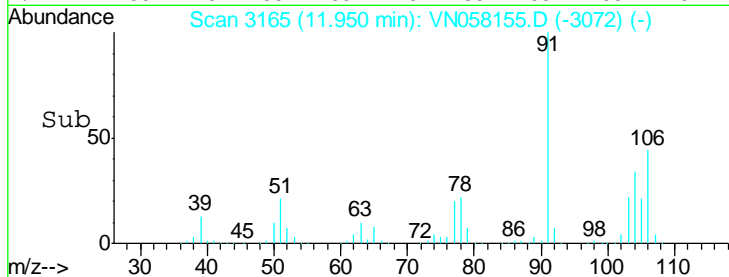
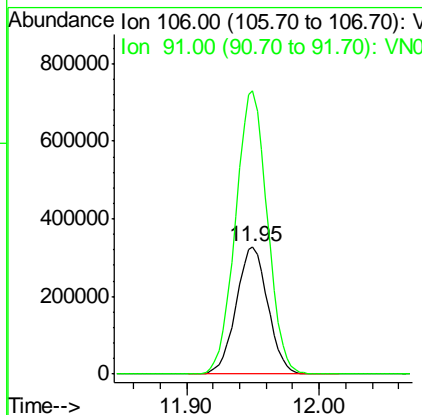
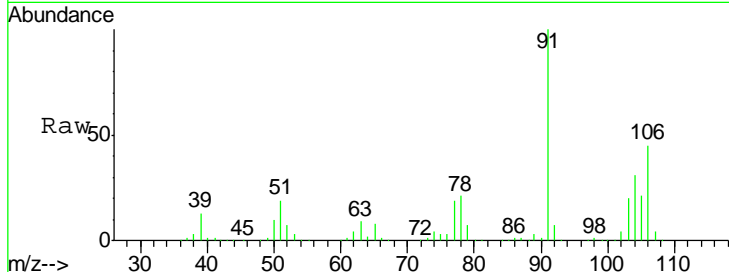
#69
 o-Xylene
 Concen: 35.237 ug/l
 RT: 11.95 min Scan# 3165
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
106	543200		
106	100		
91	223.5	111.8	335.3

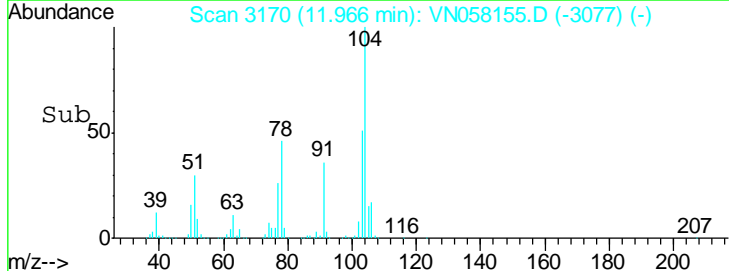
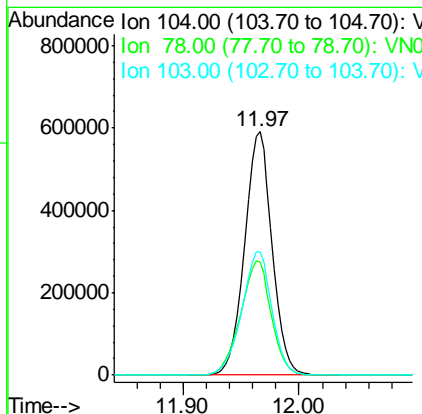
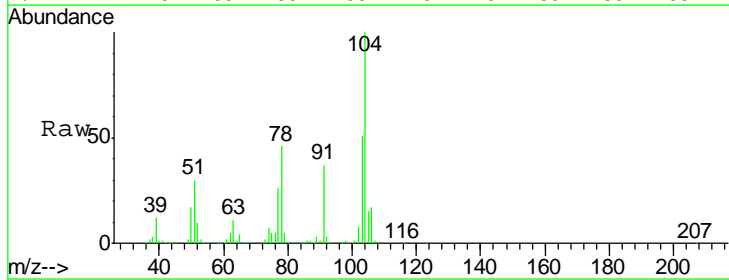
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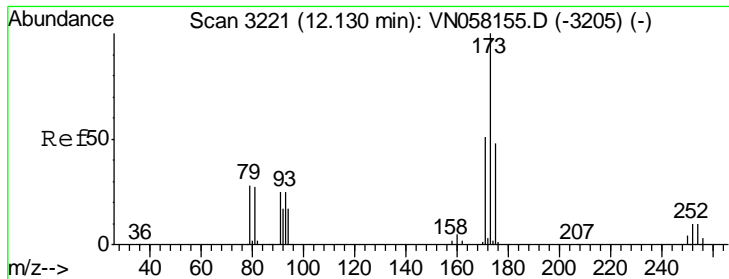
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#70
 Styrene
 Concen: 36.807 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
104	976315		
104	100		
78	52.3	41.8	62.8
103	55.2	44.2	66.2





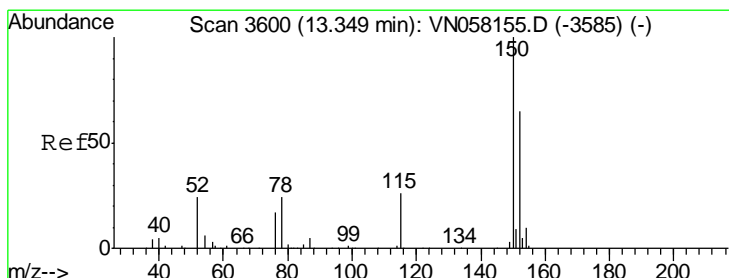
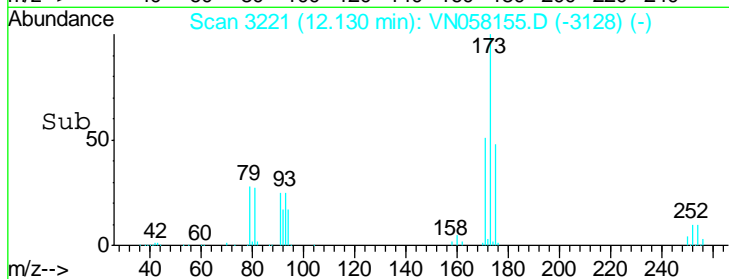
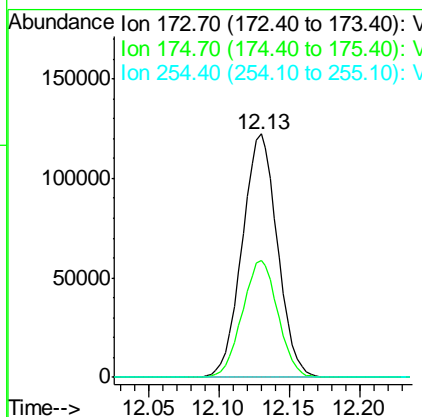
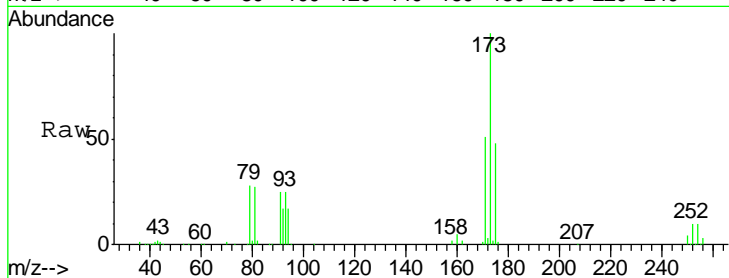
#71
 Bromoform
 Concen: 40.929 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.1	0.1	0.1

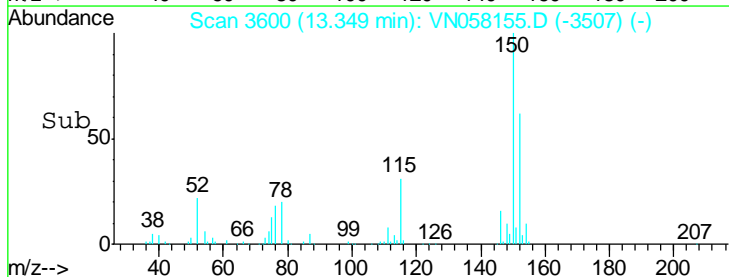
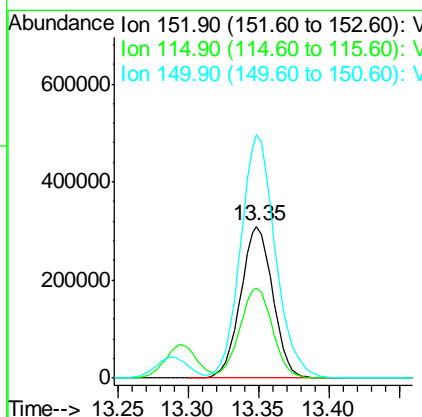
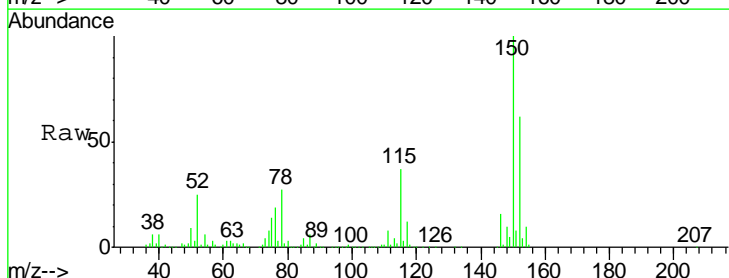
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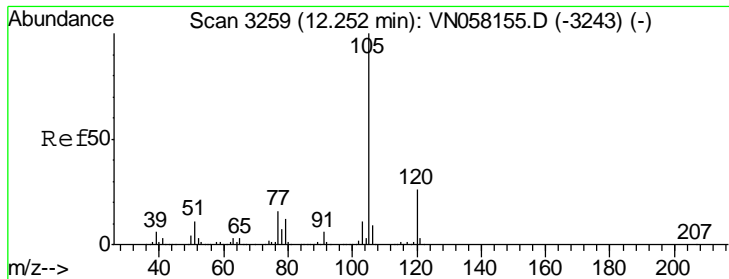
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	173.2	0.0	346.4





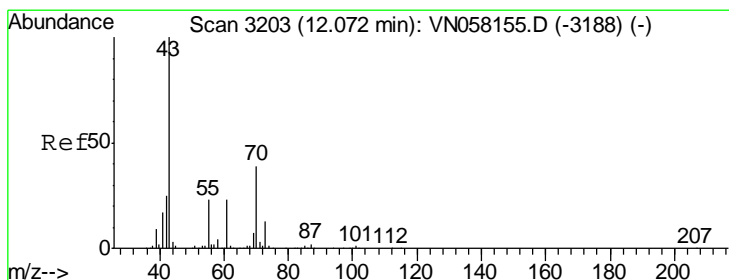
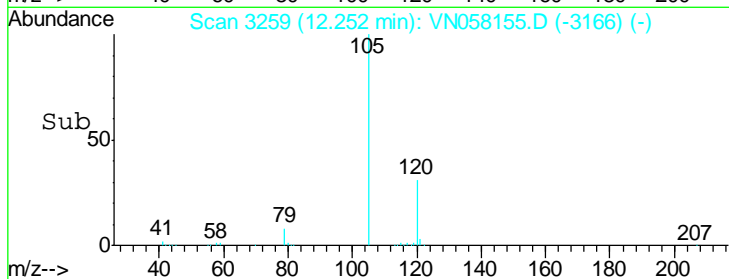
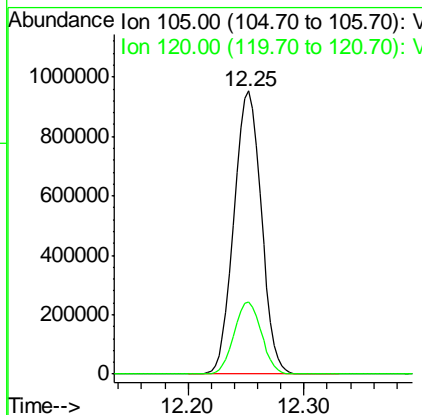
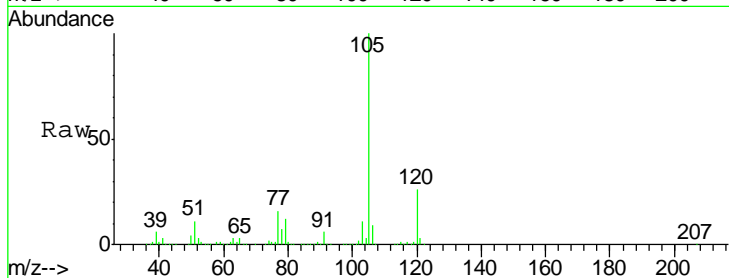
#73
 Isopropylbenzene
 Concen: 41.884 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	1553330		
105	100		
120	25.5	12.8	38.3

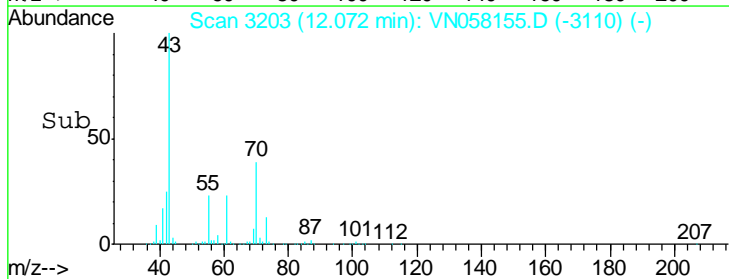
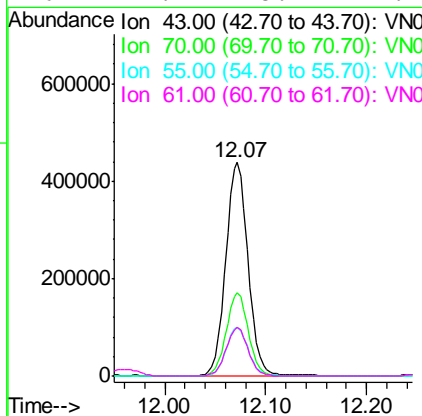
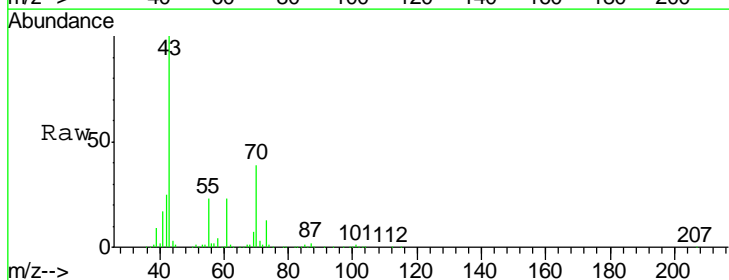
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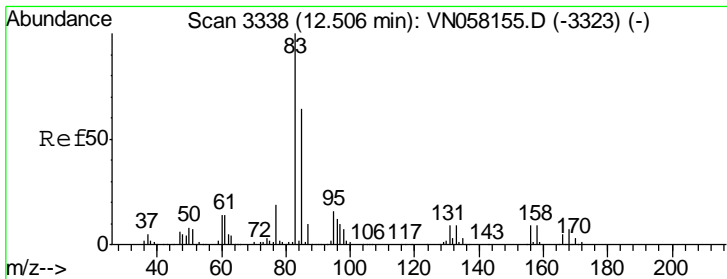
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#74
 N-amyl acetate
 Concen: 42.107 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
43	675801		
43	100		
70	38.8	31.0	46.6
55	23.1	18.5	27.7
61	22.7	18.2	27.2





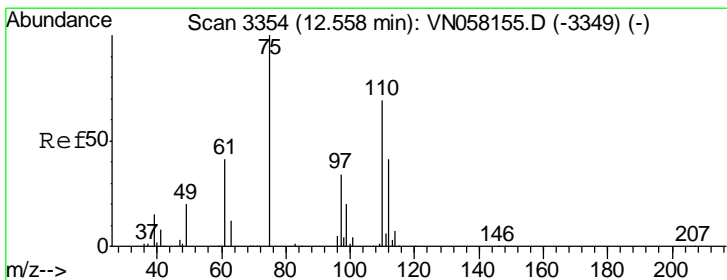
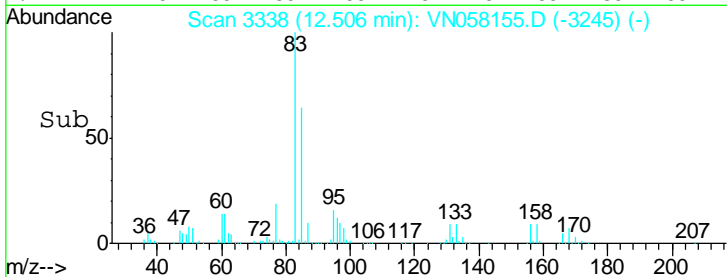
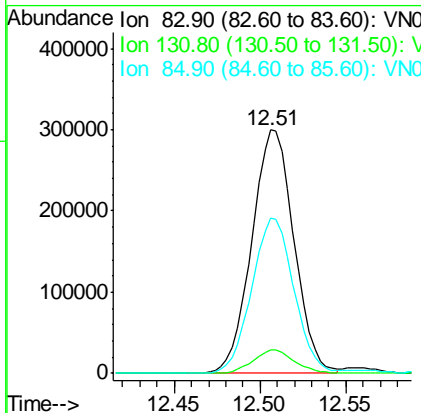
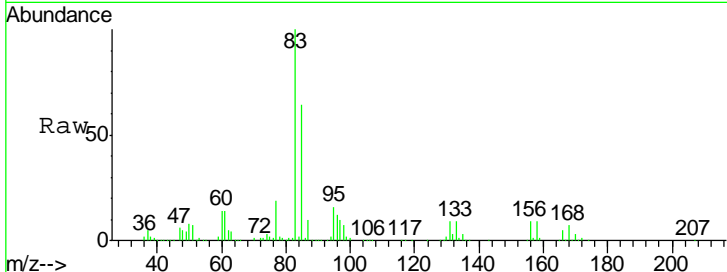
#75
 1,1,2,2-Tetrachloroethane
 Concen: 40.765 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	63.7	31.9	95.5

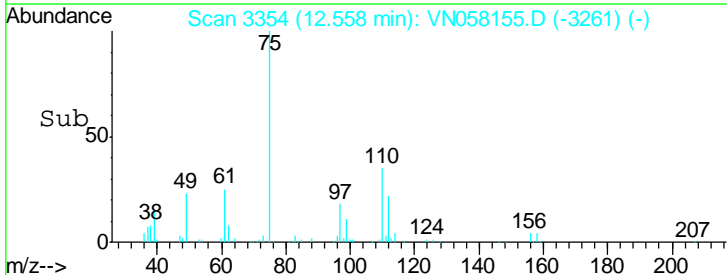
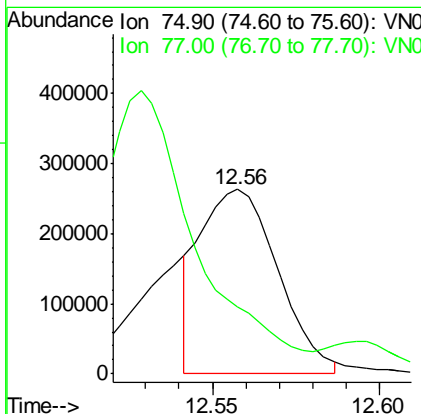
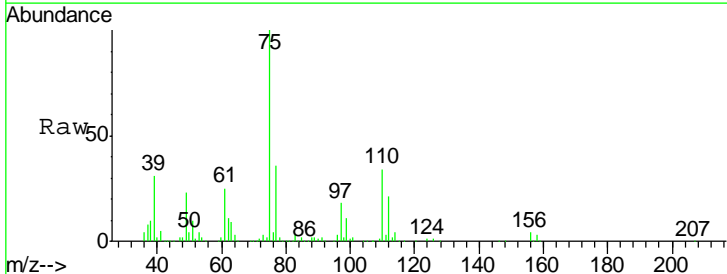
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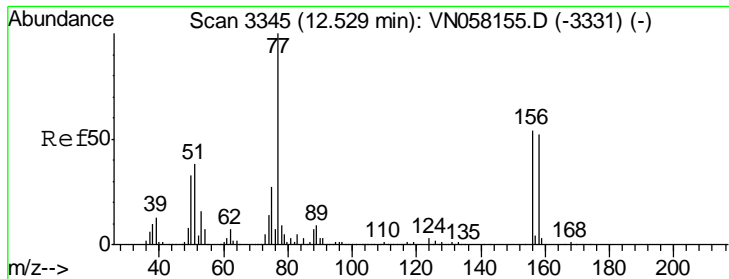
MMDadoda
 9/20/2019 1:14:24 PM



#76
 1,2,3-Trichloropropane
 Concen: 39.439 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





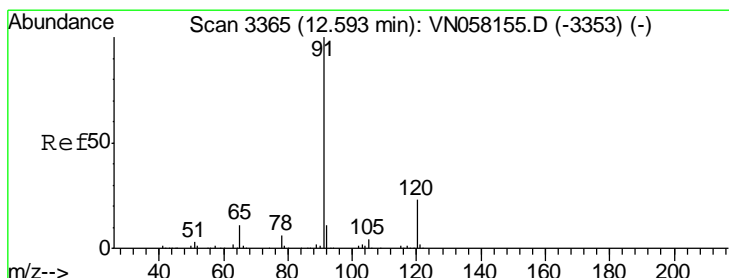
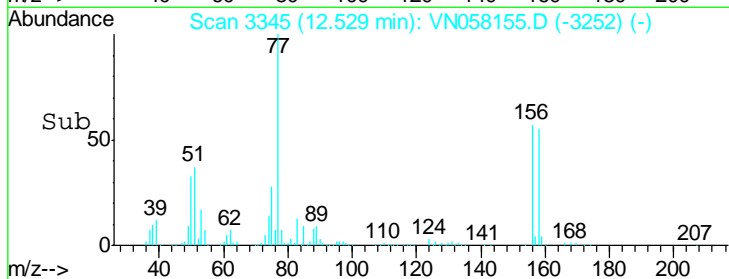
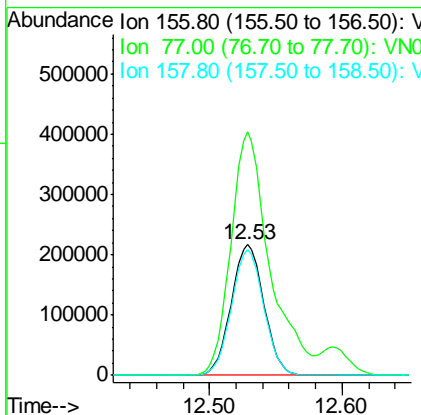
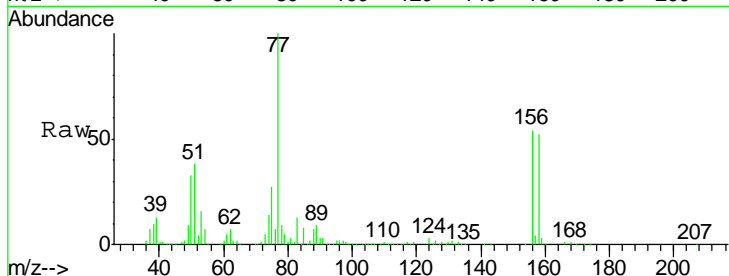
#77
 Bromobenzene
 Concen: 39.652 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
156	368611		
156	100		
77	223.4	111.7	335.1
158	95.9	47.9	143.8

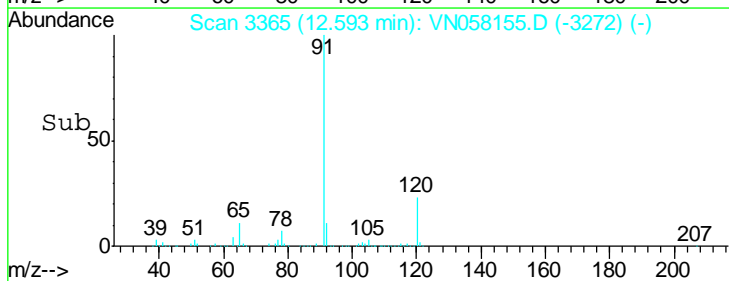
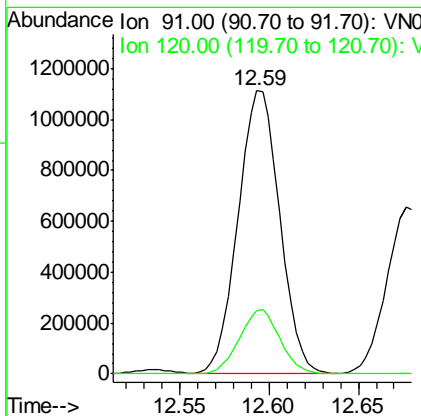
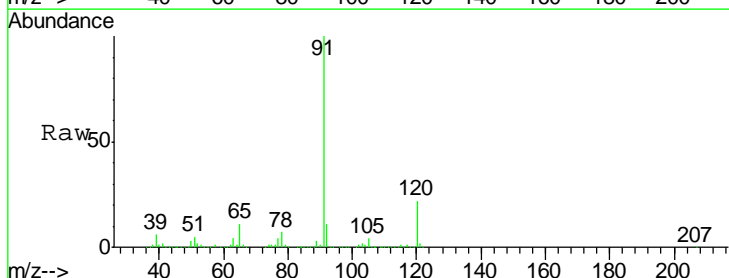
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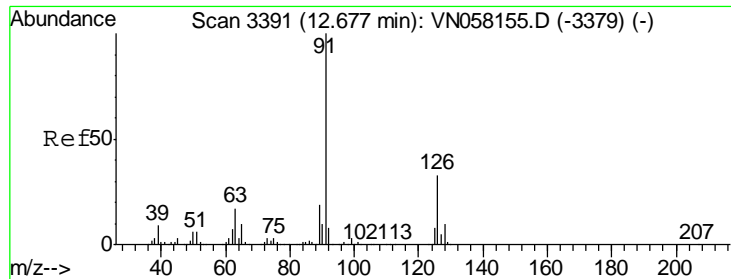
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#78
 n-propylbenzene
 Concen: 42.594 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
91	1811275		
91	100		
120	22.2	11.1	33.3





#79
 2-Chlorotoluene
 Concen: 40.250 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

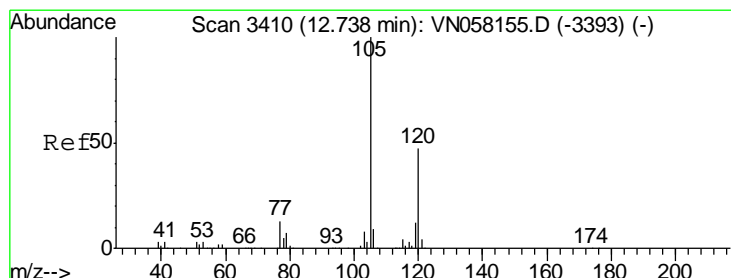
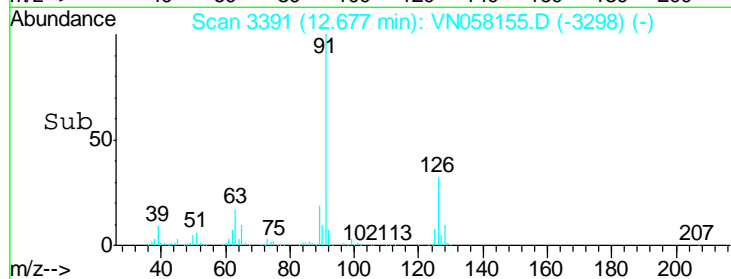
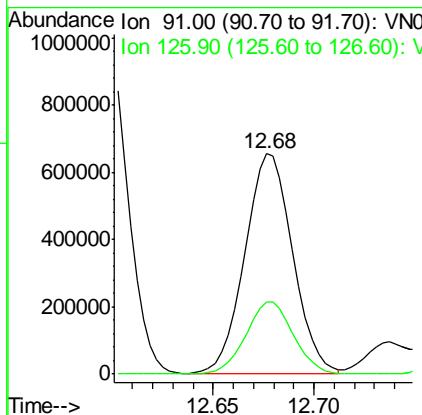
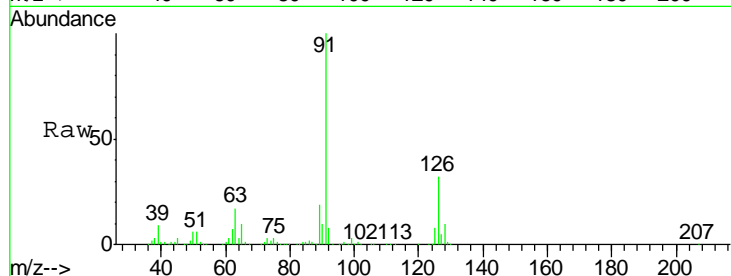
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion: 91 Resp: 1084470

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1

Manual Integrations
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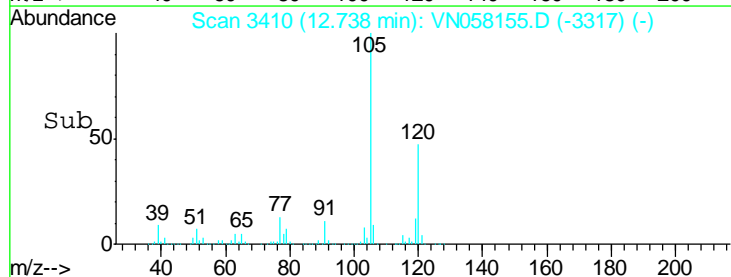
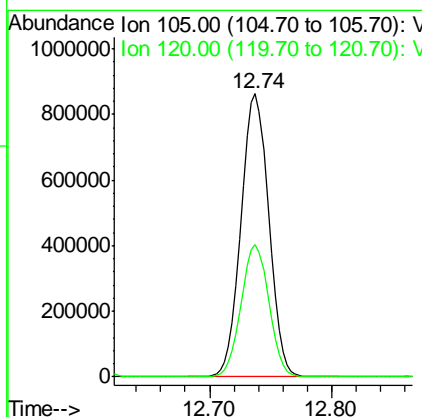
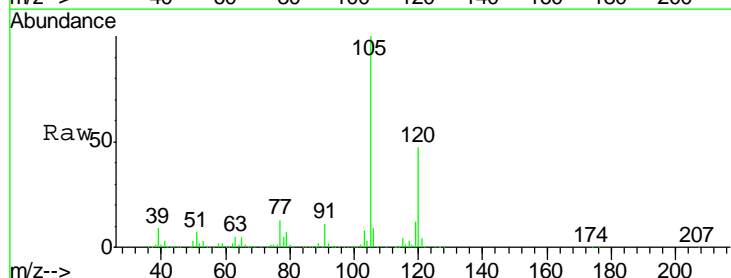
MMDadoda
 9/20/2019 1:14:24 PM

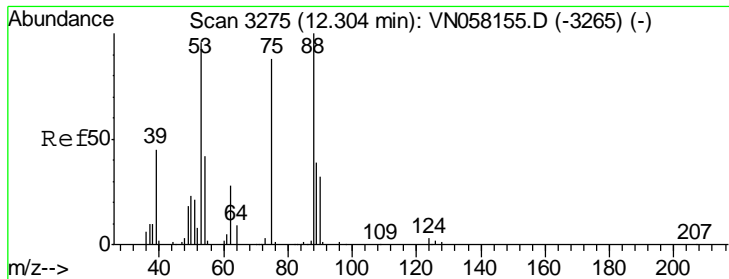


#80
 1,3,5-Trimethylbenzene
 Concen: 43.004 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion: 105 Resp: 1349044

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.0





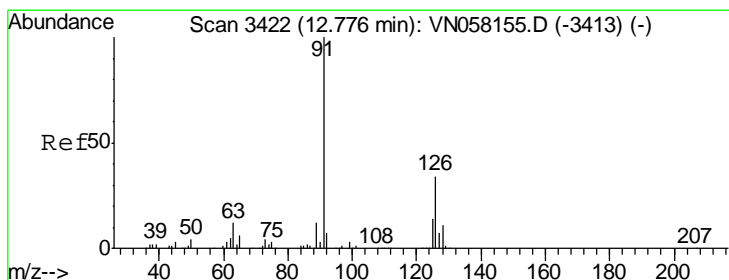
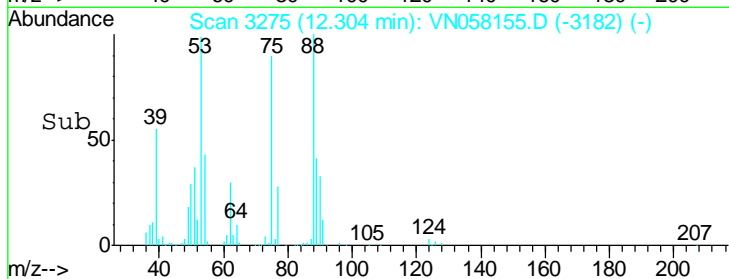
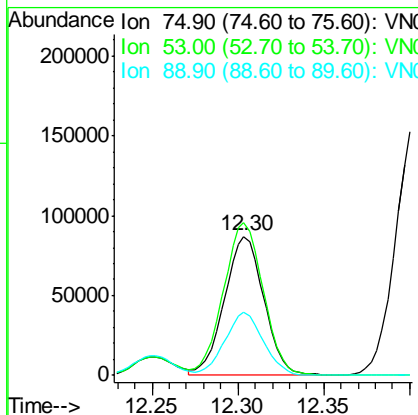
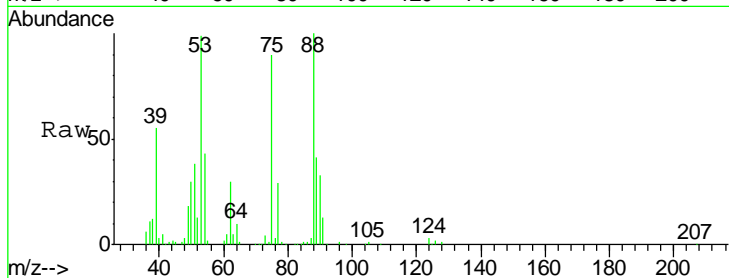
#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.356 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	137774		
75	100		
53	112.6	90.1	135.1
89	45.2	36.2	54.2

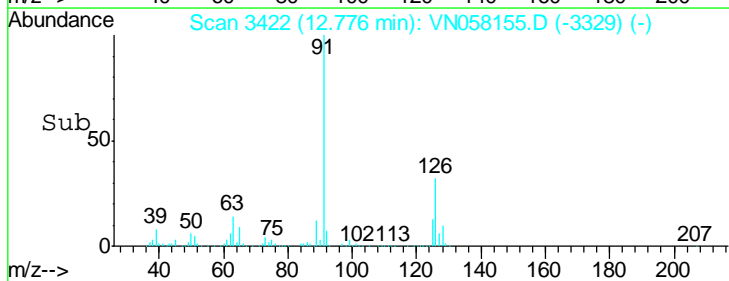
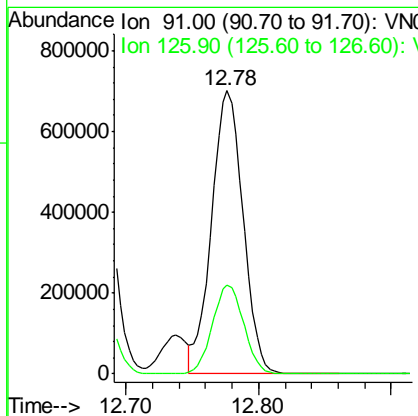
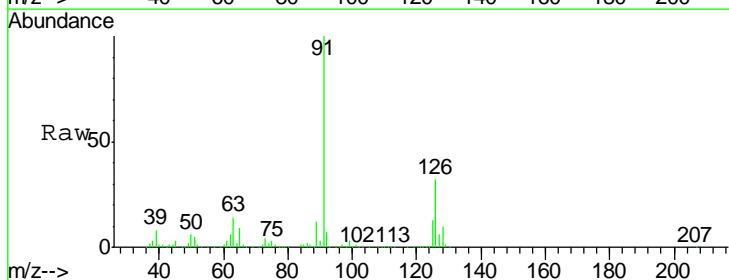
Manual Integrations
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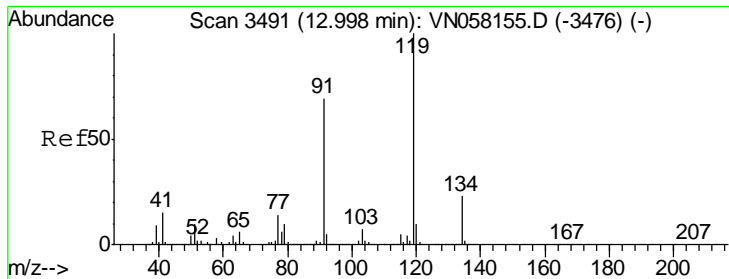
MMDadoda
 9/20/2019 1:14:24 PM



#82
 4-Chlorotoluene
 Concen: 41.728 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
91	1154731		
91	100		
126	31.4	15.7	47.1





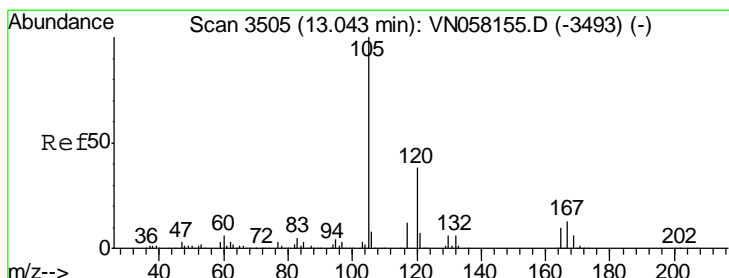
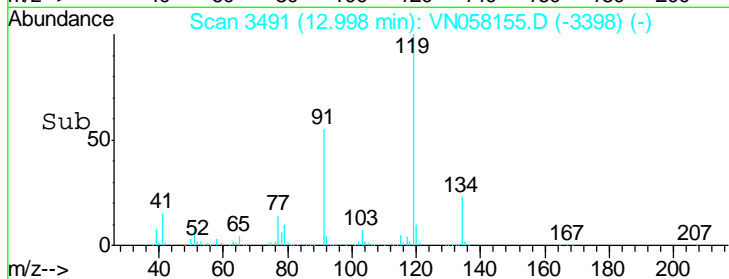
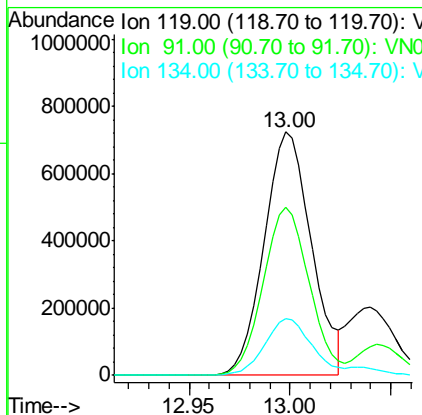
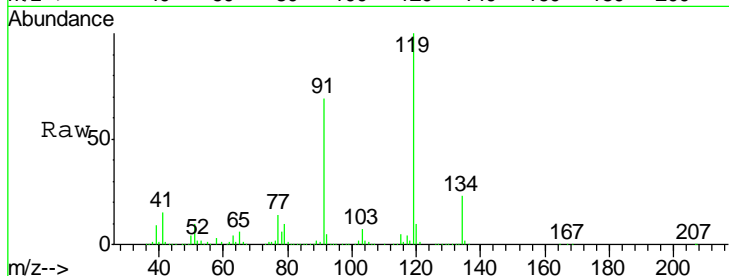
#83
 tert-Butylbenzene
 Concen: 42.268 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
119	1178203		
91	67.5	33.8	101.3
134	23.2	11.6	34.8

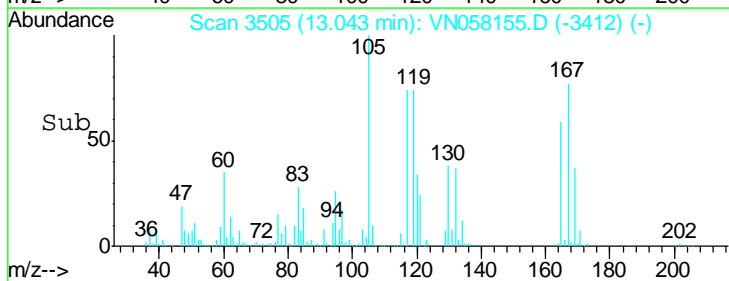
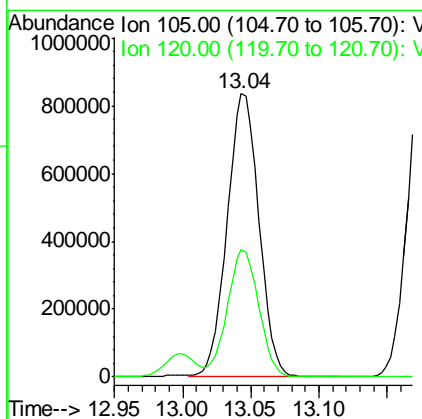
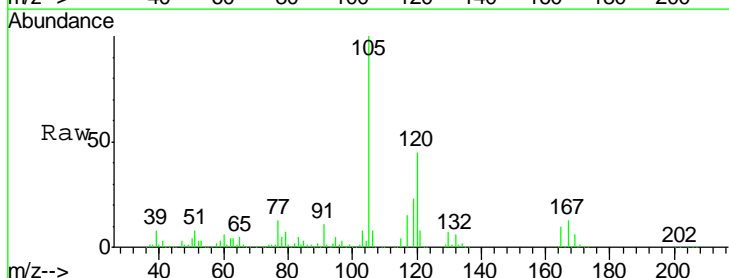
Manual Integrations
 APPROVED

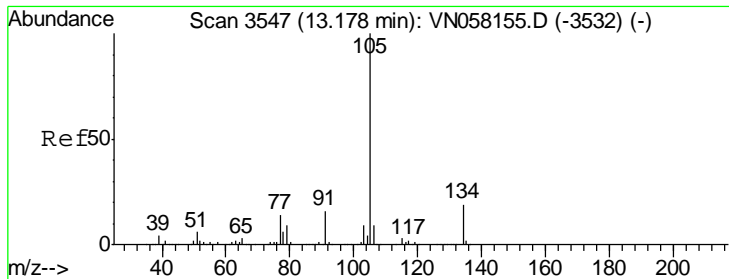
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#84
 1,2,4-Trimethylbenzene
 Concen: 42.421 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
105	1348691		
120	44.3	22.1	66.5





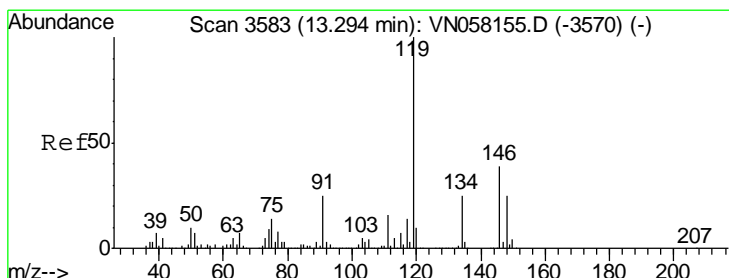
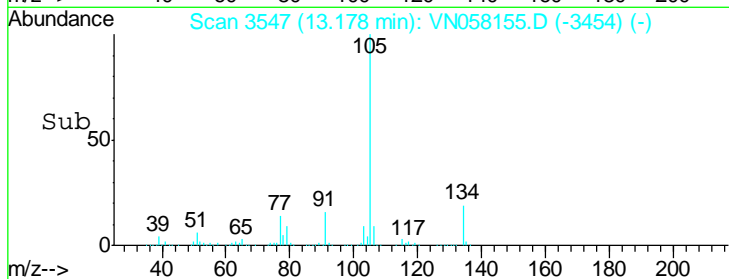
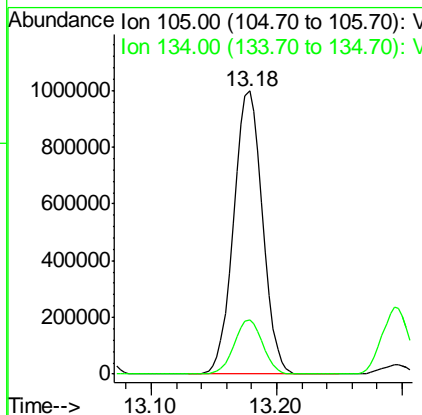
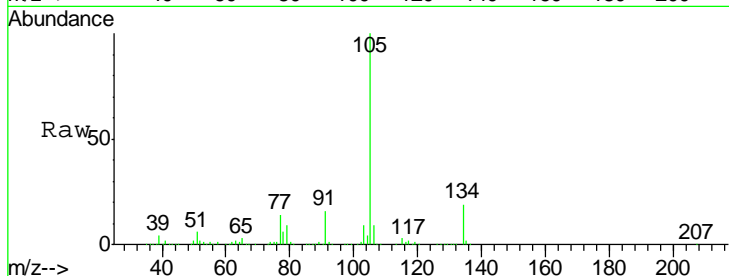
#85
 sec-Butylbenzene
 Concen: 43.100 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	1590169		
134	19.0	9.5	28.5

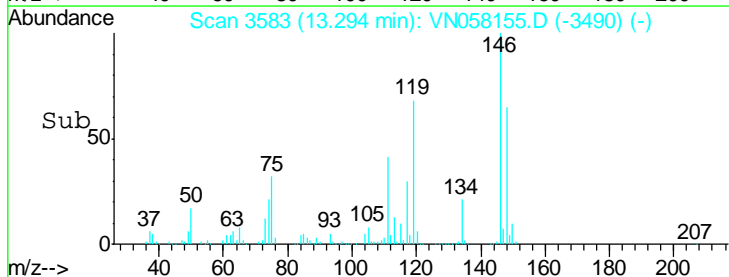
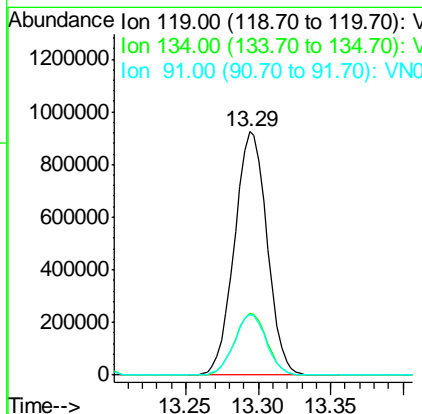
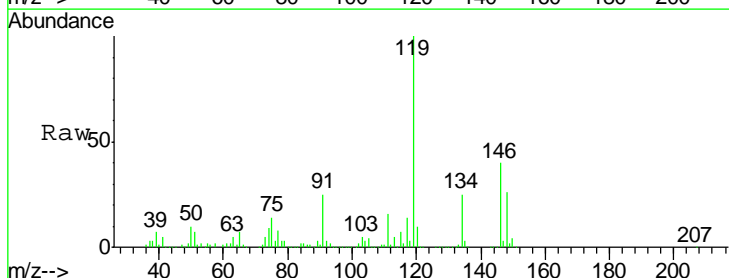
Manual Integrations
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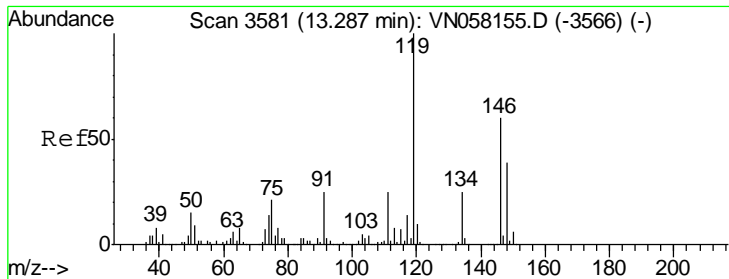
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#86
 p-Isopropyltoluene
 Concen: 44.258 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

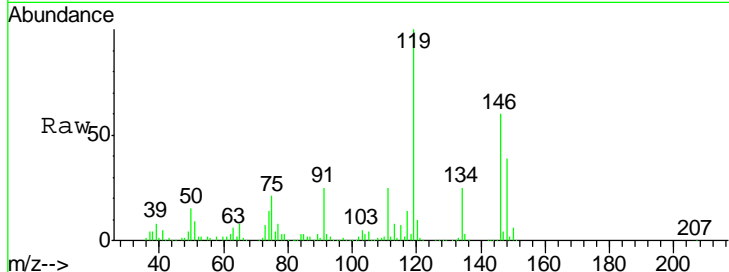
Tgt Ion	Resp	Lower	Upper
119	1436819		
134	25.3	12.7	38.0
91	24.5	12.3	36.8





#87
 1,3-Dichlorobenzene
 Concen: 41.428 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

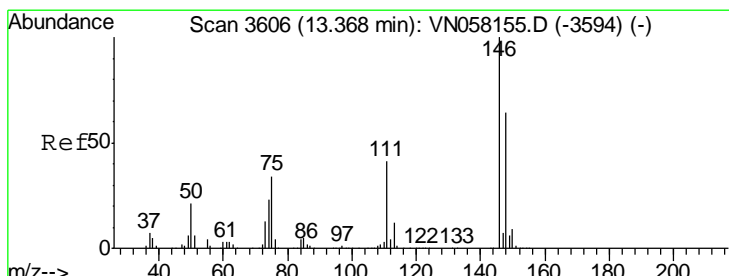
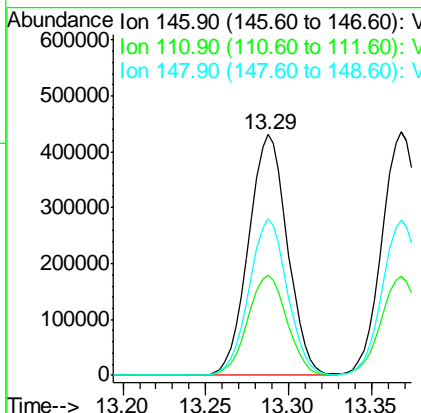
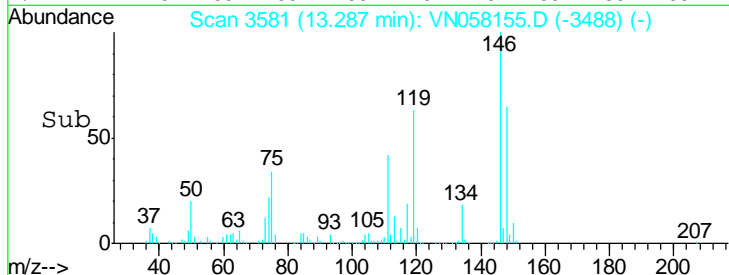
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050



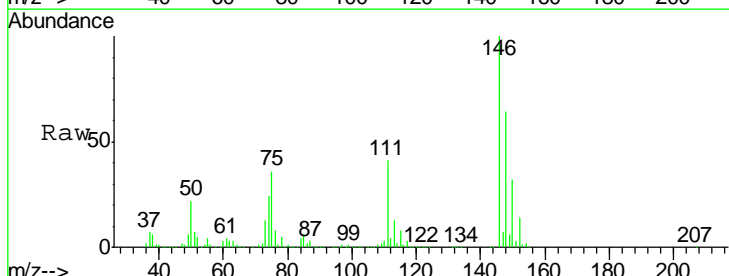
Tgt Ion:146 Resp: 703497

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	64.1	32.0	96.2

Manual Integrations
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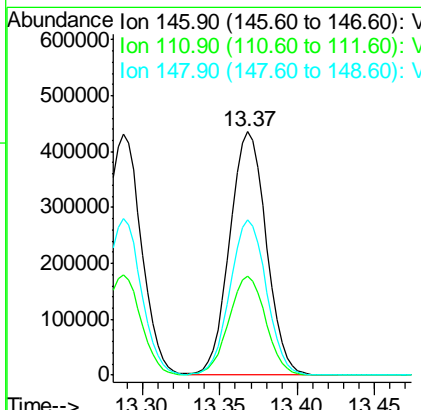
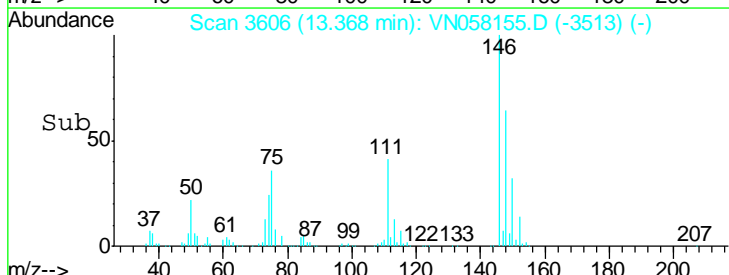


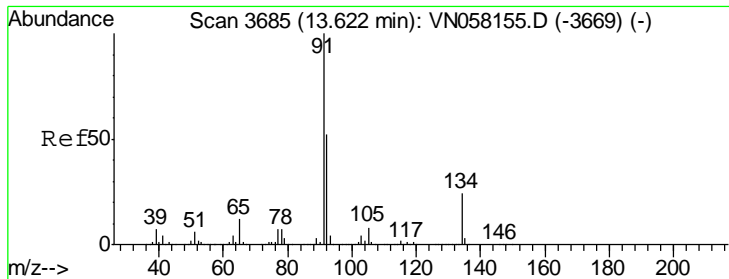
#88
 1,4-Dichlorobenzene
 Concen: 41.316 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27



Tgt Ion:146 Resp: 714622

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	63.7	31.9	95.5





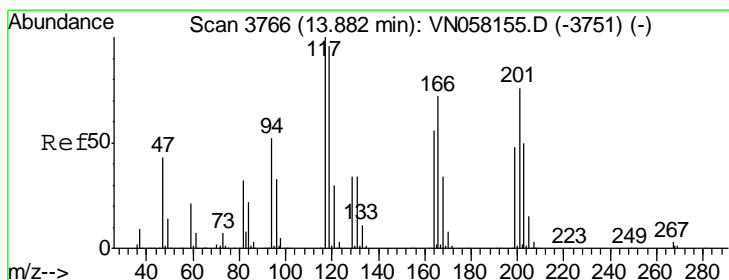
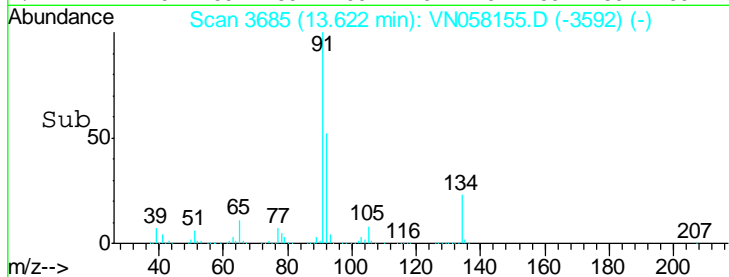
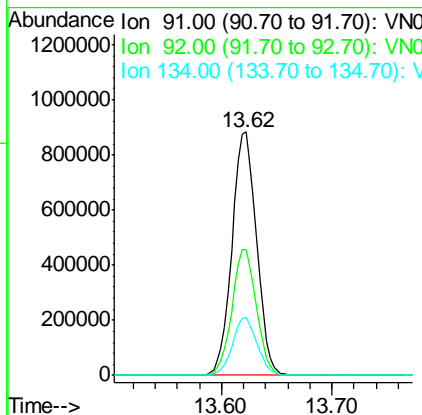
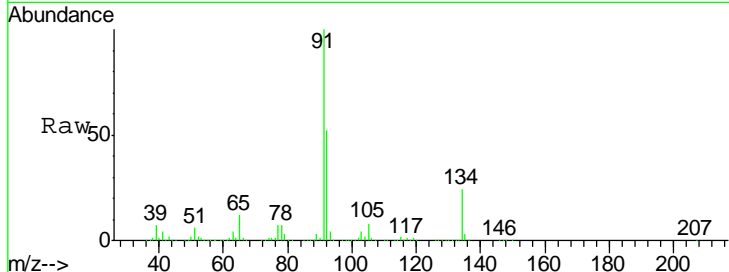
#89
 n-Butylbenzene
 Concen: 44.411 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	23.6	11.8	35.4

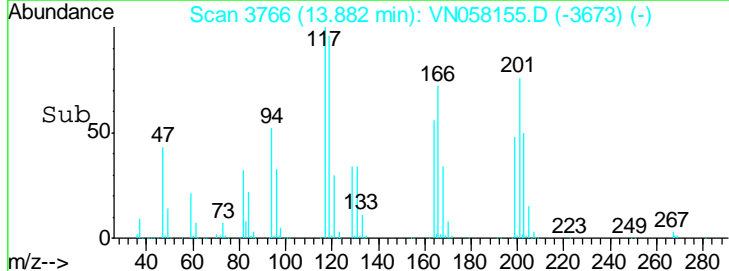
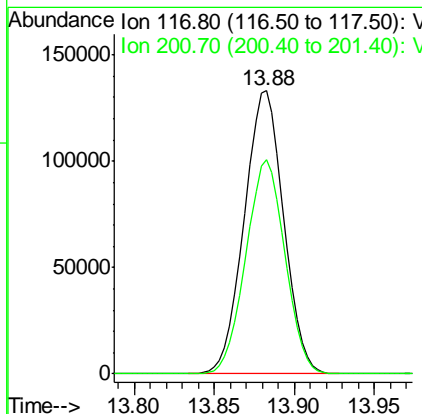
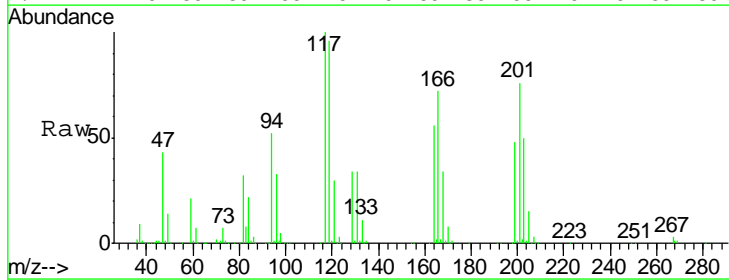
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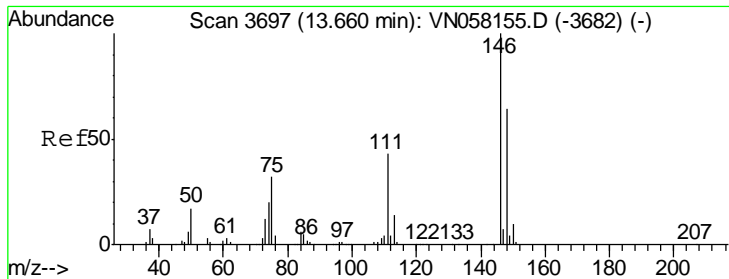
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#90
 Hexachloroethane
 Concen: 46.119 ug/l
 RT: 13.88 min Scan# 3766
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
117	100		
201	75.0	37.5	112.5





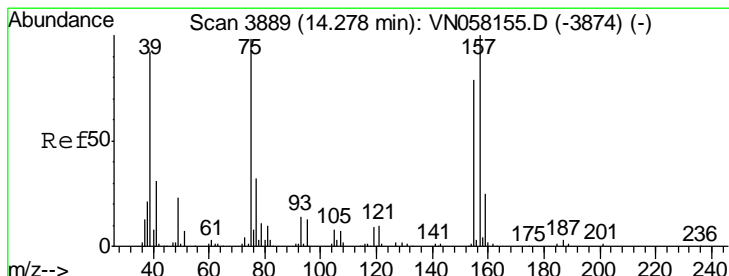
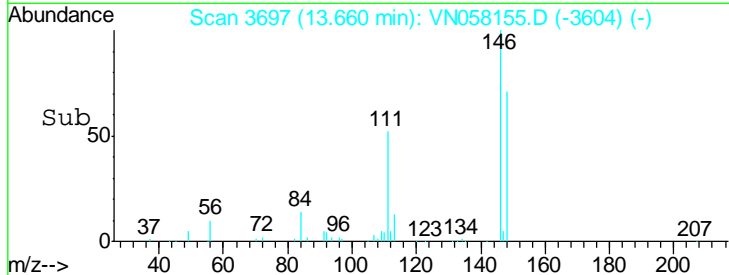
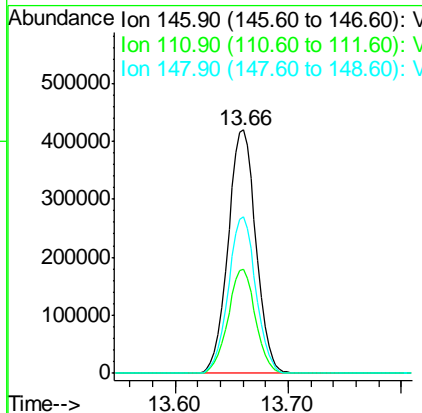
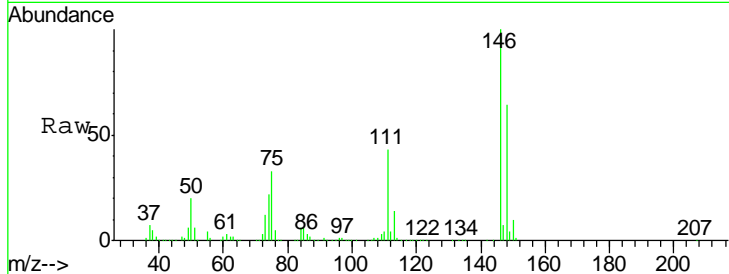
#91
 1,2-Dichlorobenzene
 Concen: 42.041 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	715169		
146	100		
111	42.1	21.1	63.1
148	63.6	31.8	95.4

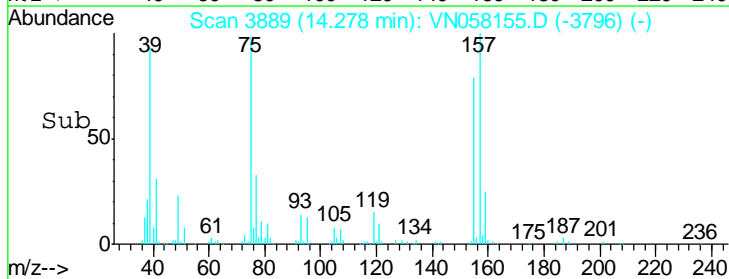
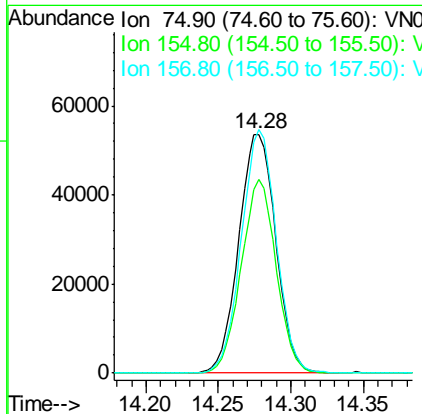
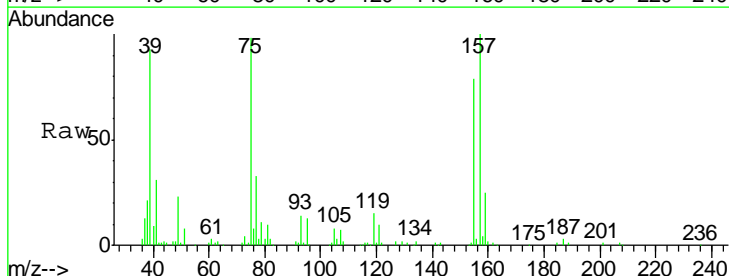
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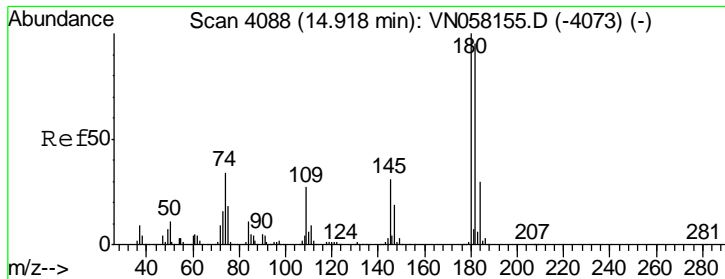
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.133 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
75	95483		
75	100		
155	76.5	38.3	114.8
157	96.0	48.0	144.0





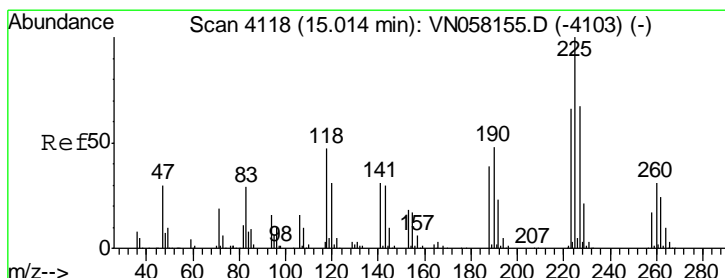
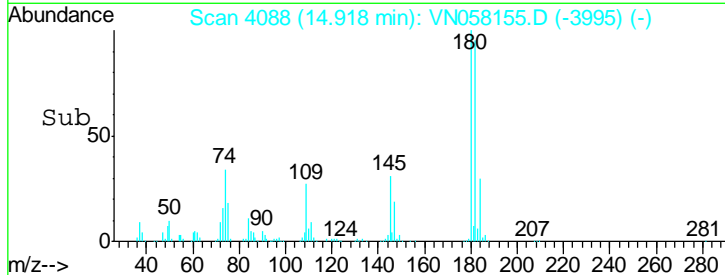
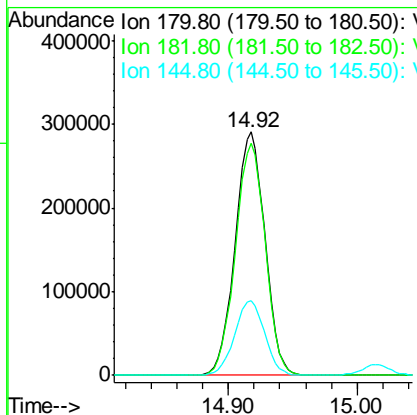
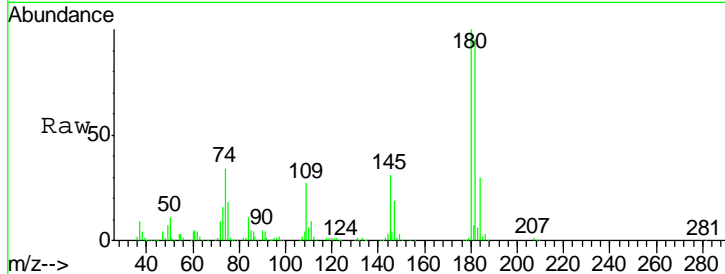
#93
 1,2,4-Trichlorobenzene
 Concen: 41.500 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	30.9	15.4	46.4

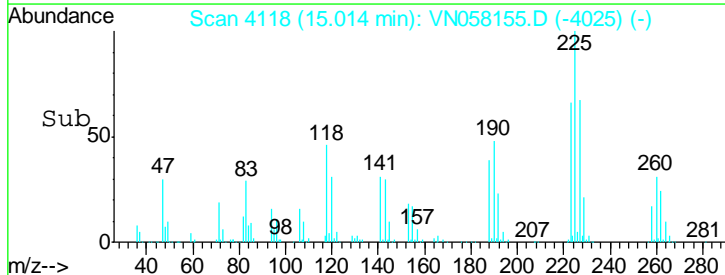
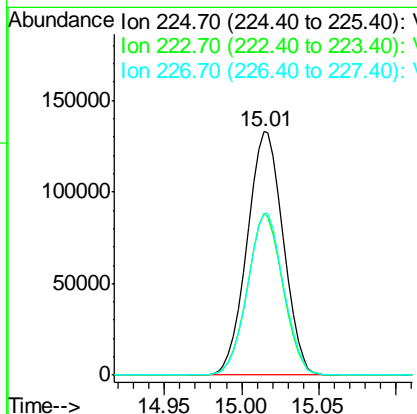
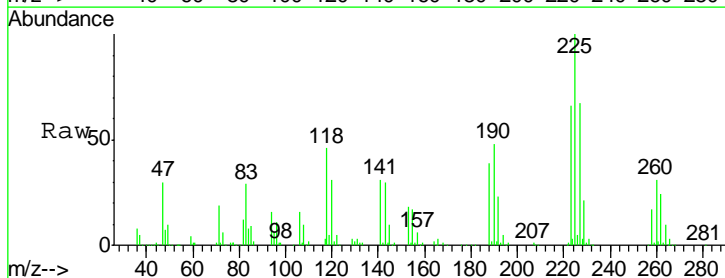
Manual Integrations
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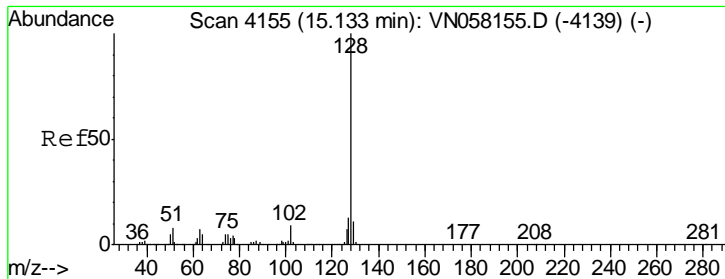
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#94
 Hexachlorobutadiene
 Concen: 44.882 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
225	100		
223	65.1	32.6	97.7
227	66.0	33.0	99.0





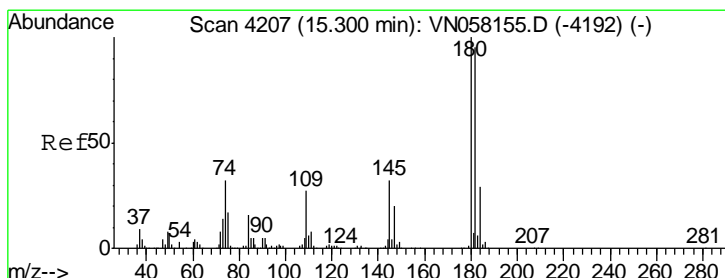
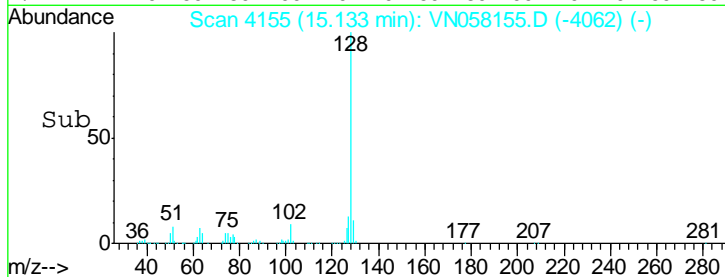
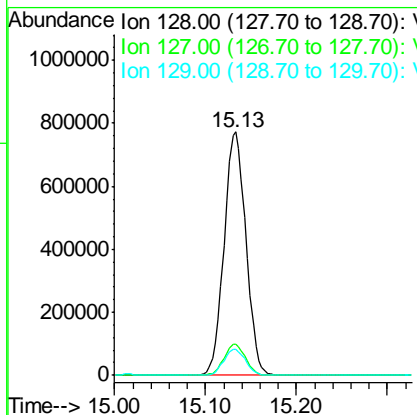
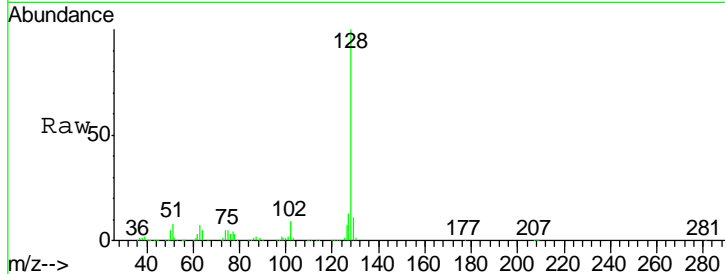
#95
 Naphthalene
 Concen: 39.964 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
128	1287018		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

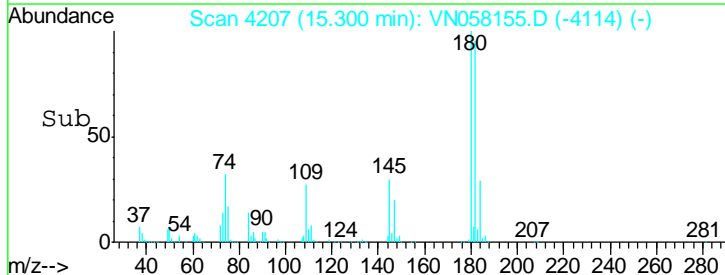
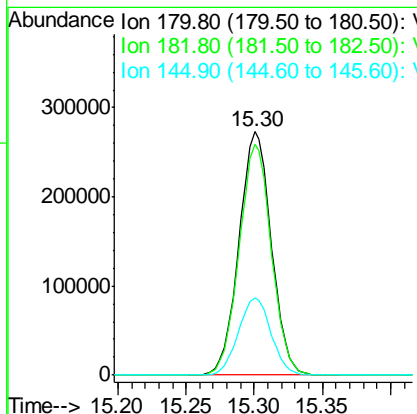
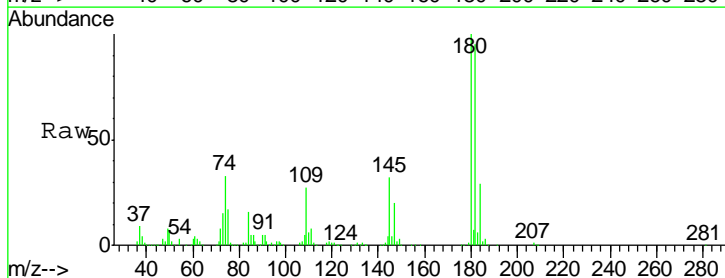
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#96
 1,2,3-Trichlorobenzene
 Concen: 40.703 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Resp	Lower	Upper
180	447500		
182	94.8	47.4	142.2
145	32.1	16.1	48.2



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058156.D
 Acq On : 18 Sep 2019 10:49
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC100

Manual Integrations
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Quant Time: Sep 19 02:00:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	573329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	965146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	884216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	445226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	813337	74.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.52%	
35) Dibromofluoromethane	7.57	113	592751	71.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.24%	
50) Toluene-d8	10.08	98	2286362	71.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.00%	
62) 4-Bromofluorobenzene	12.40	95	875741	70.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	447308	61.069	ug/l	97
3) Chloromethane	2.04	50	356419	48.020	ug/l	99
4) Vinyl Chloride	2.17	62	391441	49.887	ug/l	98
5) Bromomethane	2.54	94	206888m	44.622	ug/l	
6) Chloroethane	2.68	64	249532	49.641	ug/l	99
7) Trichlorofluoromethane	3.00	101	577509	57.858	ug/l	99
8) Diethyl Ether	3.39	74	274226	64.637	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	427769	67.071	ug/l	100
10) Methyl Iodide	3.93	142	406327	60.093	ug/l	98
11) Tert butyl alcohol	4.76	59	488502	377.476	ug/l	99
12) 1,1-Dichloroethene	3.72	96	350747	61.330	ug/l	98
13) Acrolein	3.59	56	68963	70.475	ug/l	99
14) Allyl chloride	4.30	41	742533	66.023	ug/l	99
15) Acrylonitrile	4.96	53	1304082	358.795	ug/l	100
16) Acetone	3.79	43	1310306	366.759	ug/l	99
17) Carbon Disulfide	4.03	76	483355	46.363	ug/l	99
18) Methyl Acetate	4.30	43	681247	71.249	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	1751959	73.215	ug/l	99
20) Methylene Chloride	4.53	84	471336	60.695	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	384944	62.263	ug/l	97
22) Diisopropyl ether	5.93	45	1915922	72.648	ug/l	99
23) Vinyl Acetate	5.87	43	6574189	353.785	ug/l	# 94
24) 1,1-Dichloroethane	5.82	63	994118	69.070	ug/l	99
25) 2-Butanone	6.81	43	1916318	370.320	ug/l	98
26) 2,2-Dichloropropane	6.80	77	862792	75.538	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	558253	67.048	ug/l	98
28) Bromochloromethane	7.18	49	487571	67.833	ug/l	# 99
29) Tetrahydrofuran	7.19	42	1131763	354.892	ug/l	99
30) Chloroform	7.36	83	1061556	70.348	ug/l	99
31) Cyclohexane	7.64	56	646500	60.978	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	858922	71.821	ug/l	100
36) 1,1-Dichloropropene	7.78	75	635672	60.605	ug/l	99
37) Ethyl Acetate	6.91	43	721624	66.375	ug/l	99
38) Carbon Tetrachloride	7.76	117	691341	71.891	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058156.D
 Acq On : 18 Sep 2019 10:49
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Manual Integrations
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MMDadoda
 9/20/2019 1:14:29 PM

Quant Time: Sep 19 02:00:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	666599	60.608	ug/l	98
40) Benzene	8.03	78	2017893	63.901	ug/l	100
41) Methacrylonitrile	7.16	41	386331	78.367	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	852484	67.277	ug/l	100
43) Isopropyl Acetate	8.15	43	1322111	72.286	ug/l	100
44) Trichloroethene	8.82	130	503760	64.856	ug/l	100
45) 1,2-Dichloropropane	9.11	63	619095	67.122	ug/l	98
46) Dibromomethane	9.20	93	378469	67.976	ug/l	99
47) Bromodichloromethane	9.40	83	855171	77.134	ug/l	100
48) Methyl methacrylate	9.19	41	632971	68.611	ug/l	100
49) 1,4-Dioxane	9.19	88	199294	1271.278	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	3519386	328.857	ug/l	93
52) Toluene	10.15	92	1300349	65.451	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	921839	79.118	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	968959	75.280	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	593996	70.493	ug/l	98
56) Ethyl methacrylate	10.43	69	924047	73.196	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1001992	68.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2209753	375.198	ug/l	99
59) 2-Hexanone	10.75	43	2735860	341.928	ug/l	95
60) Dibromochloromethane	10.90	129	639409	81.838	ug/l	99
61) 1,2-Dibromoethane	11.00	107	559736	70.452	ug/l	99
64) Tetrachloroethene	10.63	164	397100	64.399	ug/l	99
65) Chlorobenzene	11.43	112	1494114	68.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	592228	78.203	ug/l	99
67) Ethyl Benzene	11.51	91	2557645	67.107	ug/l	94
68) m/p-Xylenes	11.62	106	1963975	140.729	ug/l	89
69) o-Xylene	11.95	106	991435	71.679	ug/l	95
70) Styrene	11.97	104	1781686	74.862	ug/l	100
71) Bromoform	12.13	173	416345	88.512	ug/l #	99
73) Isopropylbenzene	12.25	105	2664512	79.855	ug/l	96
74) N-amyl acetate	12.07	43	1260850	87.315	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	916726	81.649	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	765888m	79.278	ug/l	
77) Bromobenzene	12.53	156	665518	79.572	ug/l	98
78) n-propylbenzene	12.59	91	3007817	78.616	ug/l	95
79) 2-Chlorotoluene	12.68	91	1949810	80.434	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2335535	82.750	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	274623	100.486	ug/l	96
82) 4-Chlorotoluene	12.78	91	2063558	82.881	ug/l	98
83) tert-Butylbenzene	13.00	119	2092875	83.452	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2351206	82.197	ug/l	97
85) sec-Butylbenzene	13.18	105	2713906	81.758	ug/l	97
86) p-Isopropyltoluene	13.29	119	2476029	84.769	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	1291501	84.533	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1304176	83.806	ug/l	99
89) n-Butylbenzene	13.62	91	2387731	86.264	ug/l	95
90) Hexachloroethane	13.88	117	427564	97.874	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	1290177	84.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	182405	97.953	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058156.D
 Acq On : 18 Sep 2019 10:49
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Manual Integrations
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 9/20/2019 1:14:29 PM

Quant Time: Sep 19 02:00:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	881756	87.193	ug/l	100
94) Hexachlorobutadiene	15.02	225	407369	93.950	ug/l	96
95) Naphthalene	15.13	128	2380092	82.145	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	837524	84.669	ug/l	99

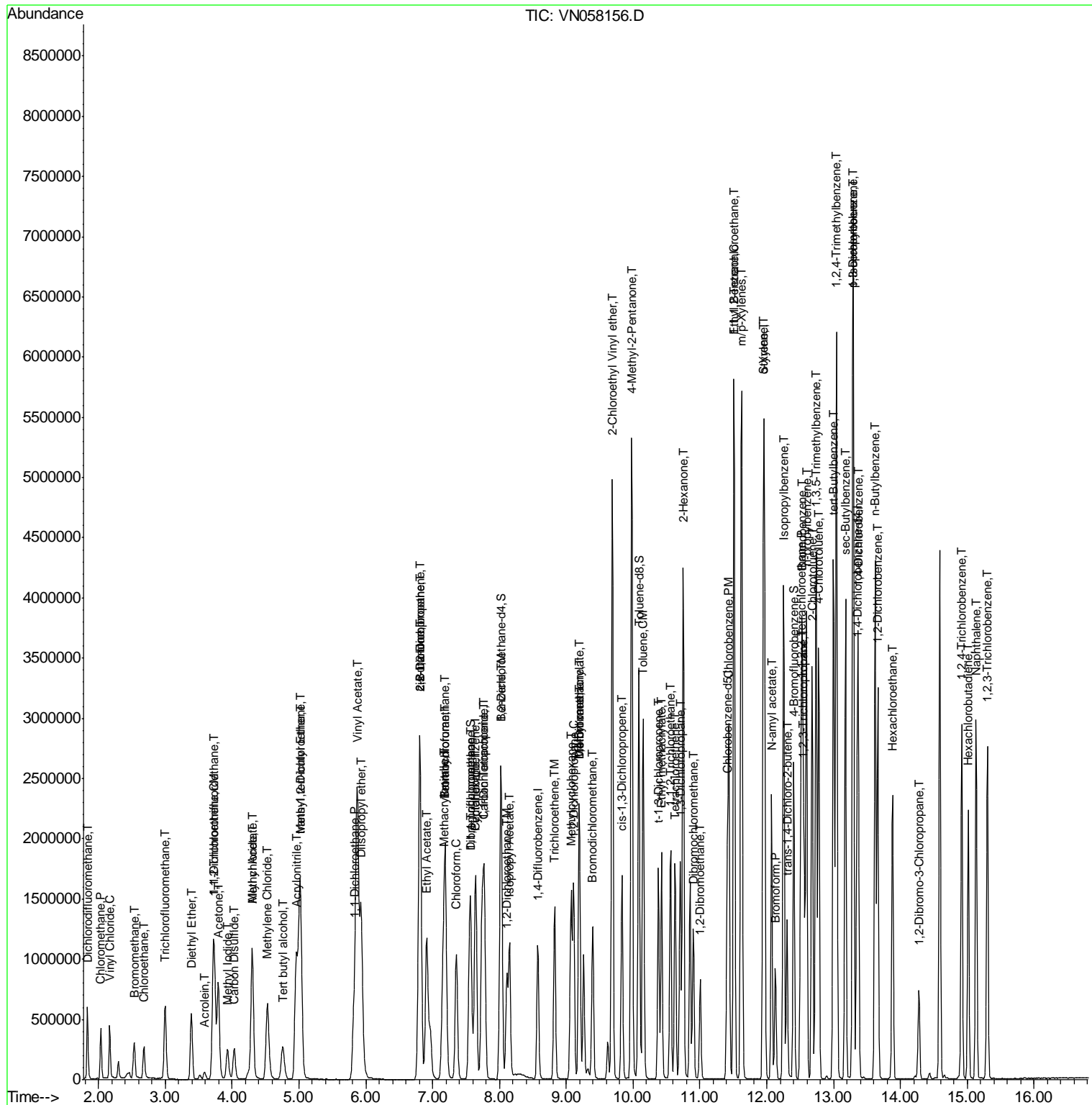
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
Data File : VN058156.D
Acq On : 18 Sep 2019 10:49
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

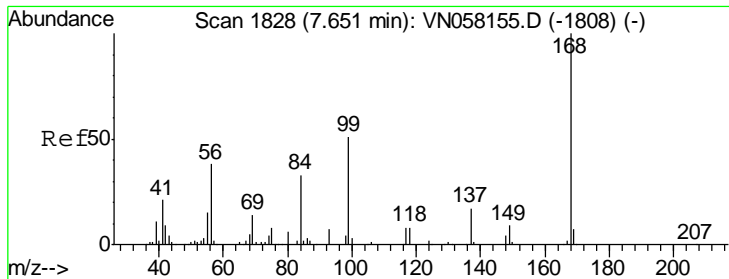
Instrument :
MSVOA_N
Client Sampled :
VSTDICC100

Manual Integrations
APPROVED
MMDadoda
9/20/2019 1:14:29 PM

Quant Time: Sep 19 02:00:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 01:40:20 2019
Response via : Initial Calibration



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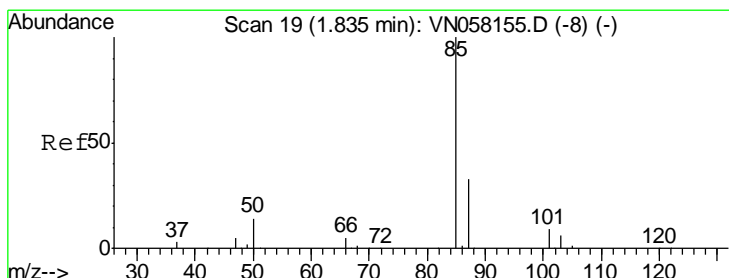
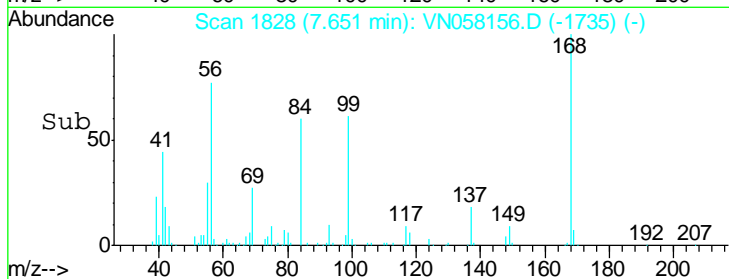
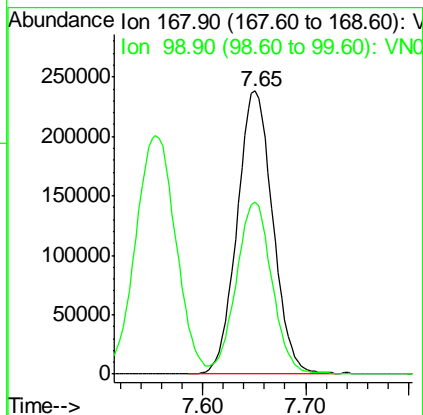
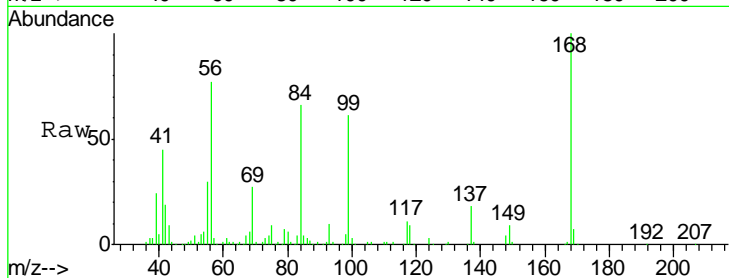
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
168	100		
99	60.6	47.4	71.2

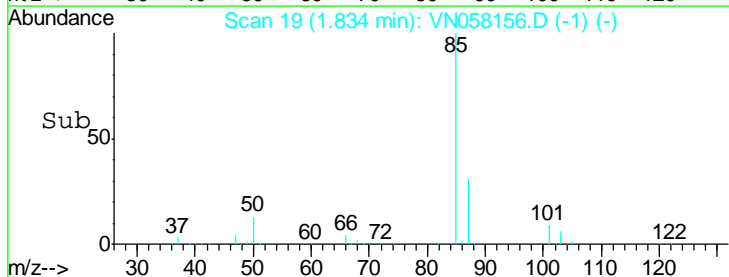
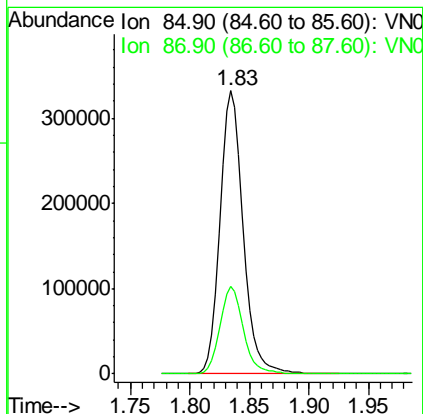
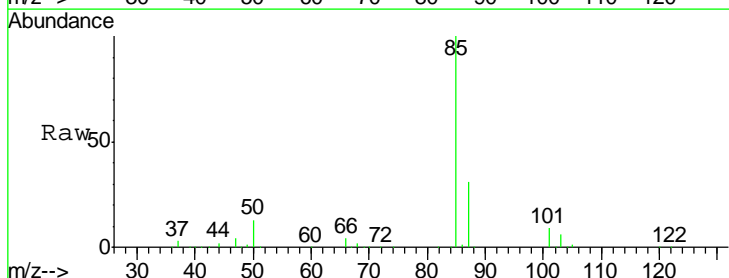
Manual Integrations
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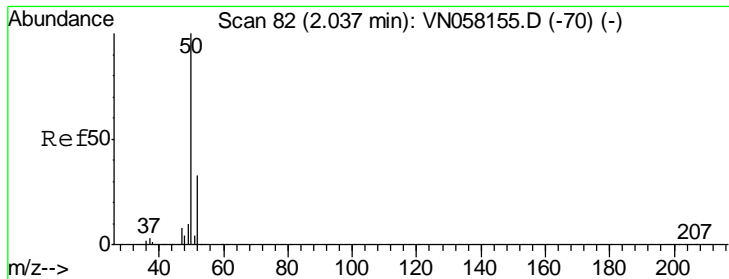
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#2
 Dichlorodifluoromethane
 Concen: 61.069 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.9	16.3	48.9



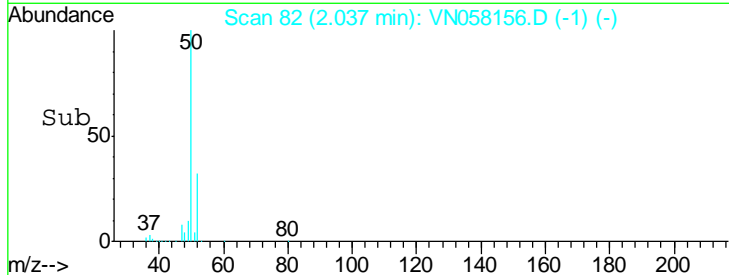
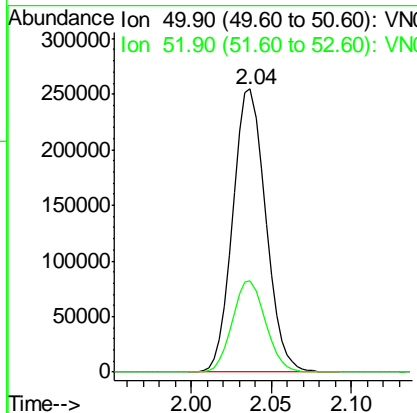
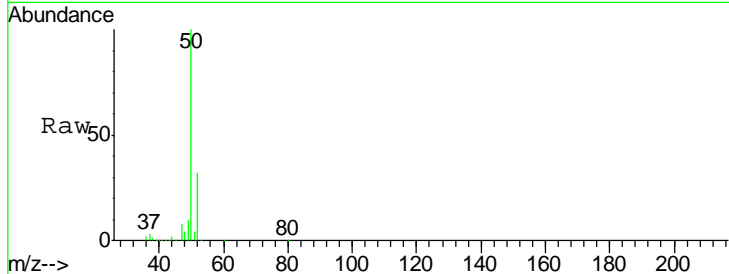


#3
 Chloromethane
 Concen: 48.020 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.2	26.3	39.5

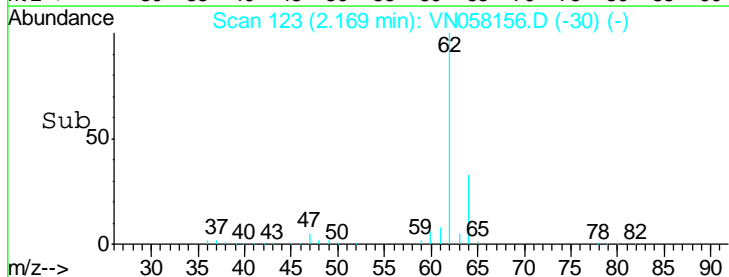
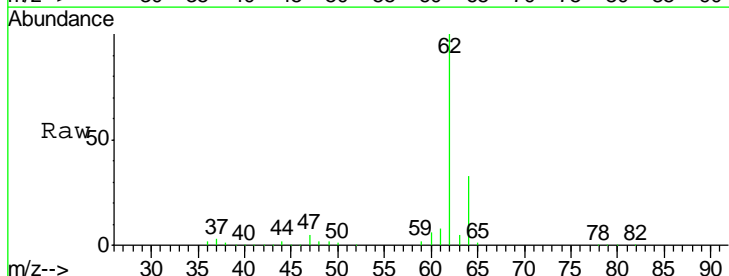
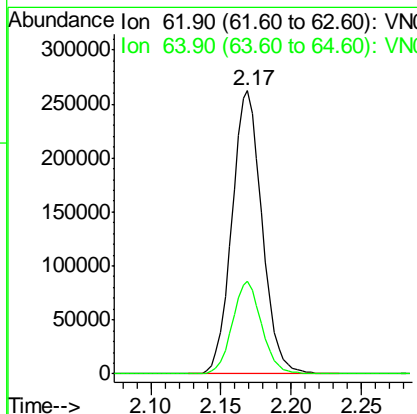
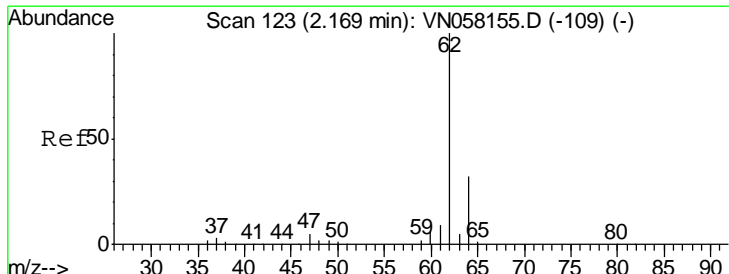
Instrument : MSVOA_N
 Client Sampled : VSTDIC100

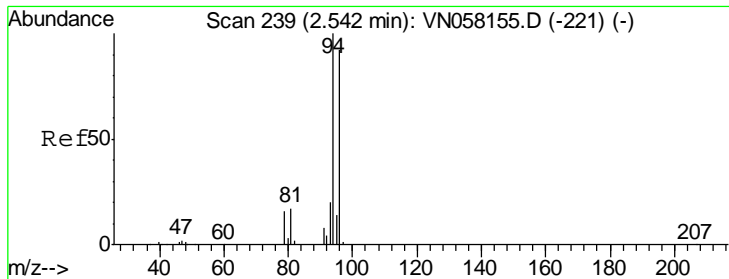
Manual Integrations APPROVED
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#4
 Vinyl Chloride
 Concen: 49.887 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.7	25.4	38.2





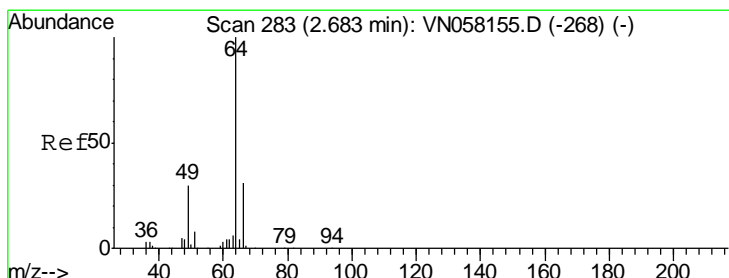
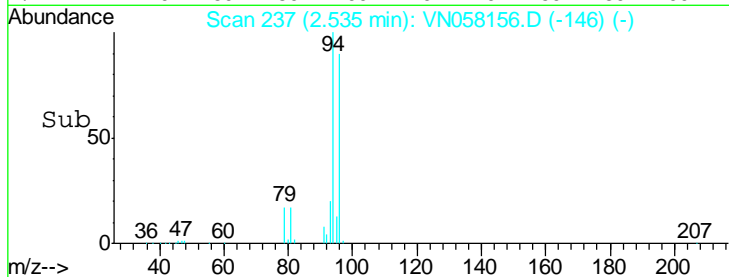
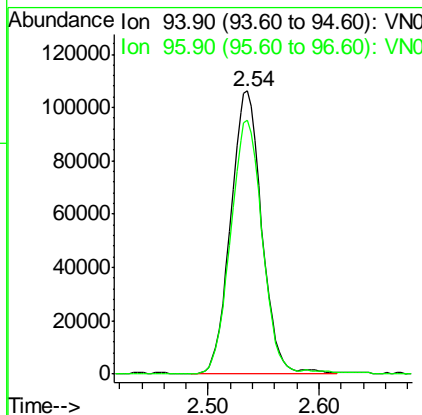
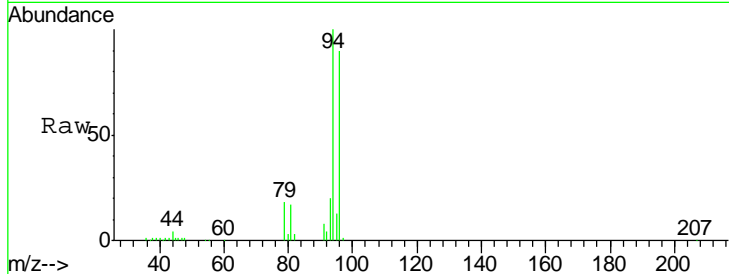
#5
 Bromomethane
 Concen: 44.622 ug/l m
 RT: 2.54 min Scan# 237
 Delta R.T. -0.01 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
94	100		
96	89.7	73.3	109.9

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

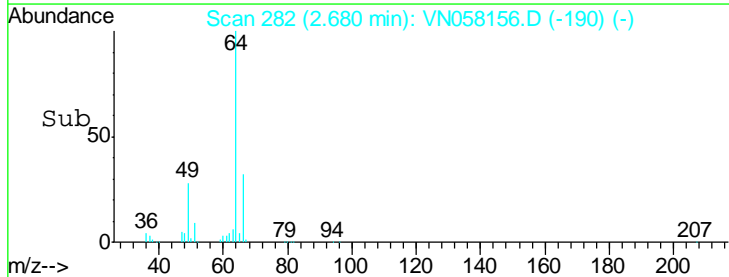
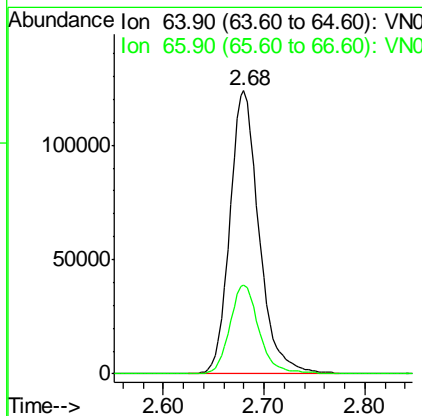
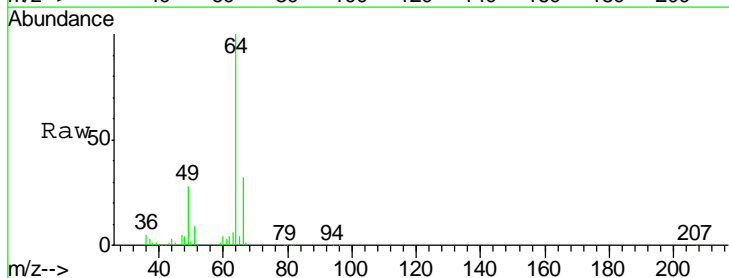
Manual Integrations
 APPROVED

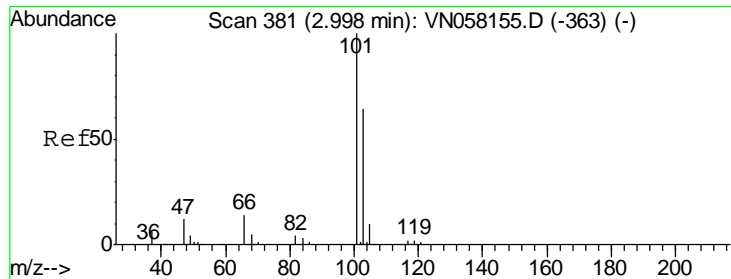
MMDadoda
 9/20/2019 1:14:29 PM



#6
 Chloroethane
 Concen: 49.641 ug/l
 RT: 2.68 min Scan# 282
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.6	24.6	37.0



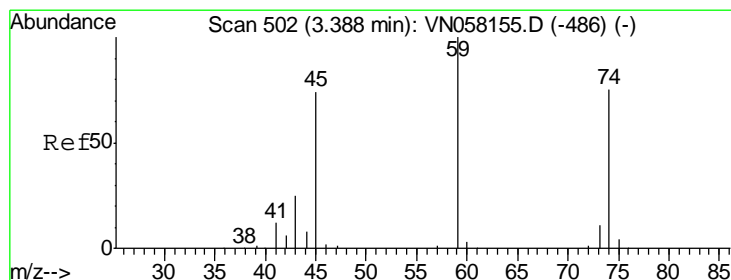
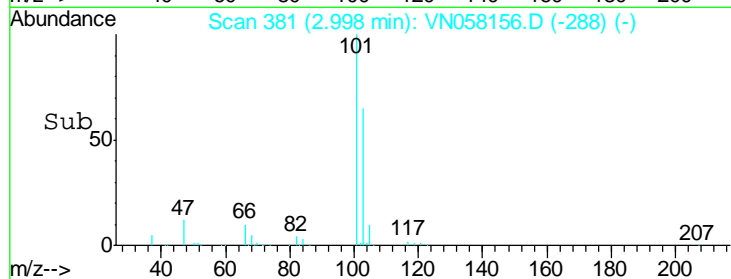
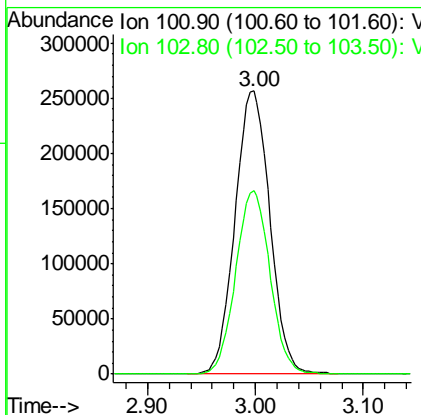
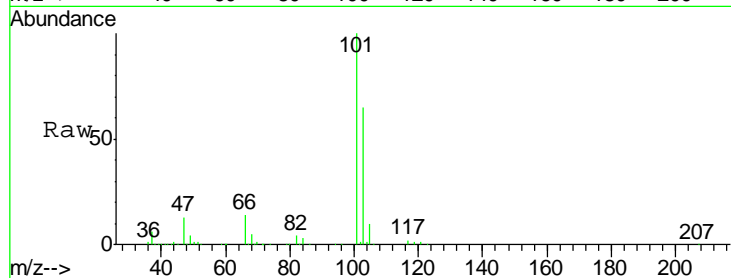


#7
 Trichlorofluoromethane
 Concen: 57.858 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
101	577509		
103	64.9	51.0	76.6

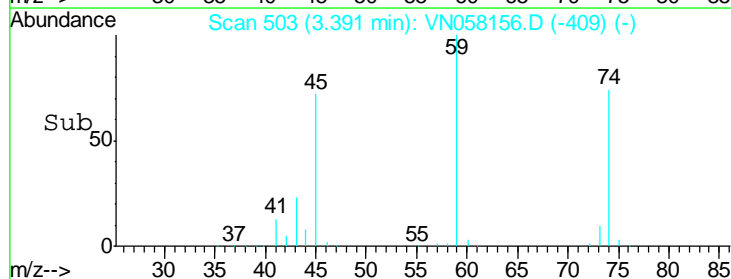
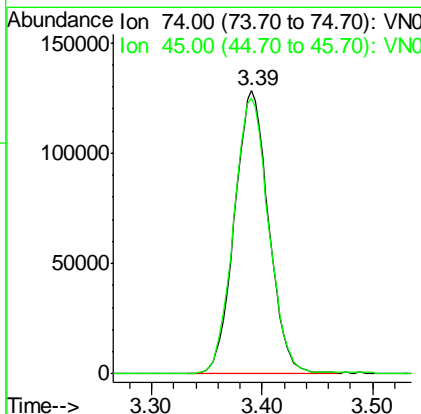
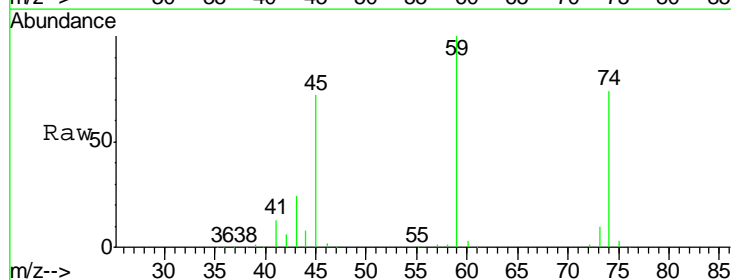
Instrument : MSVOA_N
 ClientSampled : VSTDIC100

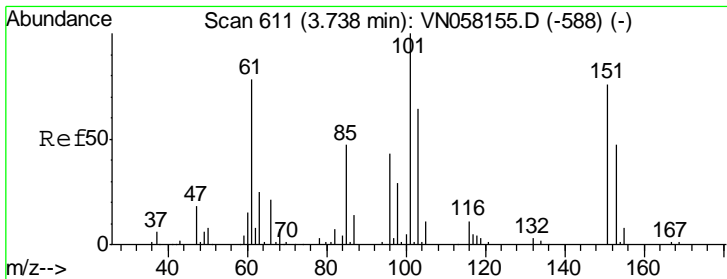
Manual Integrations APPROVED
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#8
 Diethyl Ether
 Concen: 64.637 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
74	274226		
45	99.6	48.5	145.5





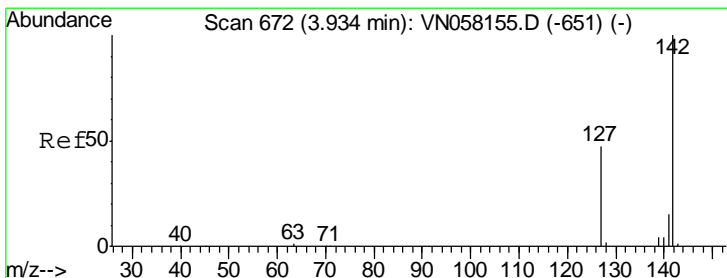
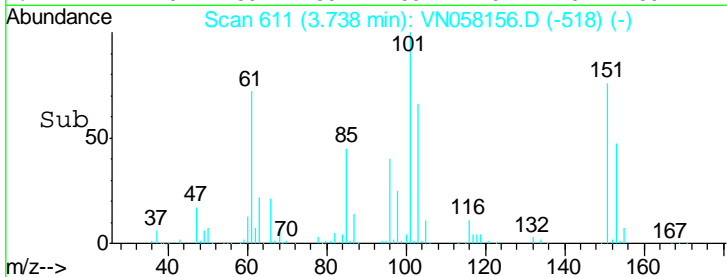
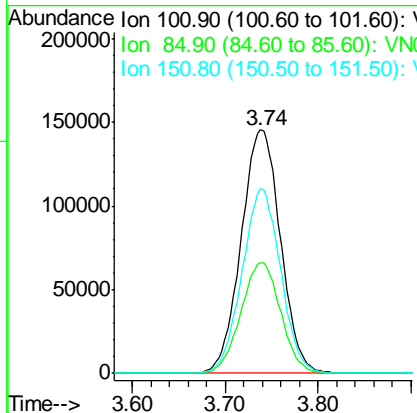
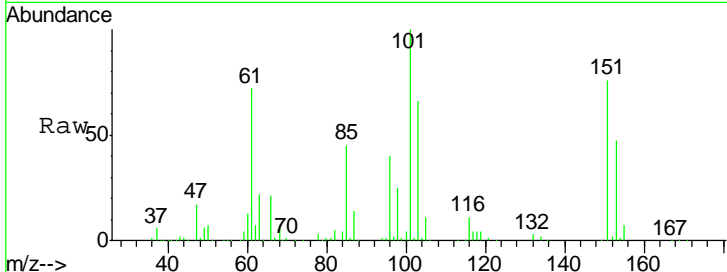
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 67.071 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	427769		
101	100		
85	46.0	37.3	55.9
151	74.6	59.6	89.4

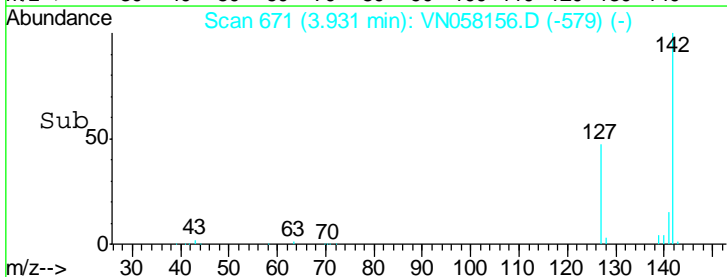
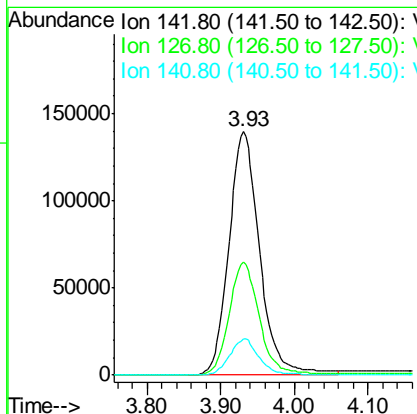
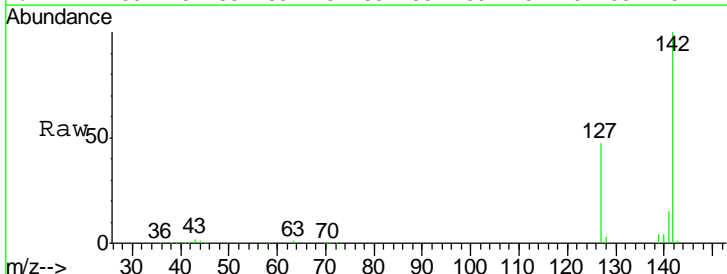
Manual Integrations
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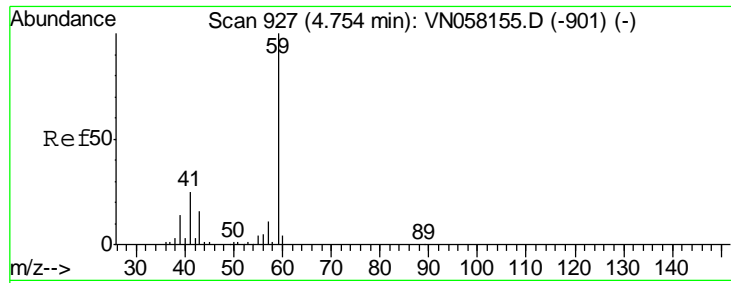
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#10
 Methyl Iodide
 Concen: 60.093 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
142	406327		
142	100		
127	45.4	37.5	56.3
141	14.2	11.4	17.2





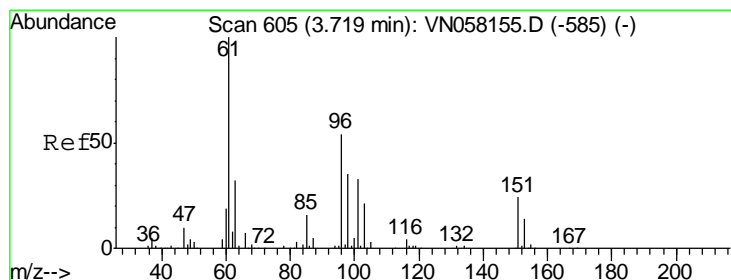
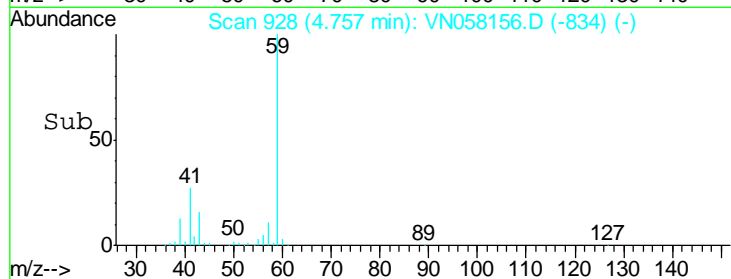
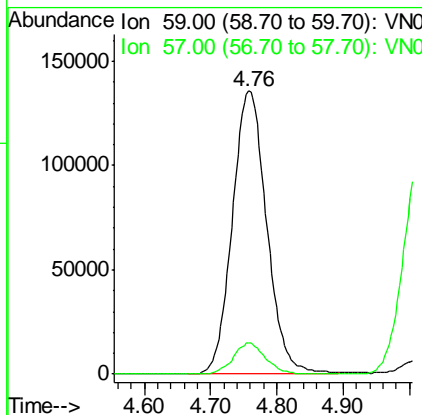
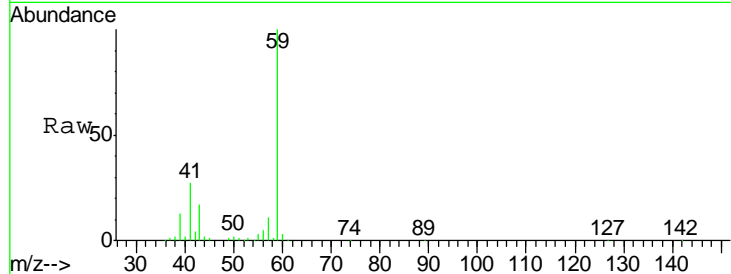
#11
 Tert butyl alcohol
 Concen: 377.476 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.5	8.6	13.0

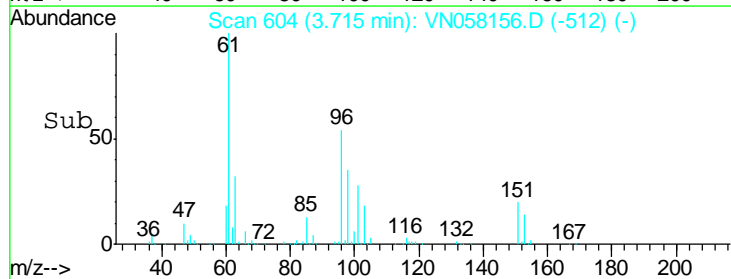
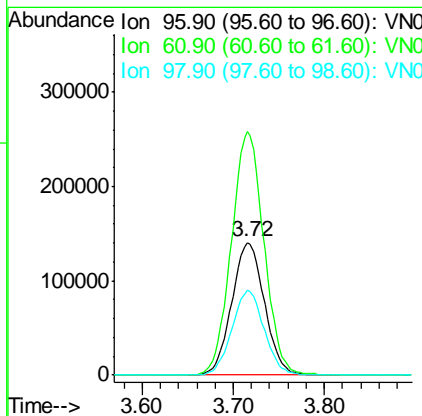
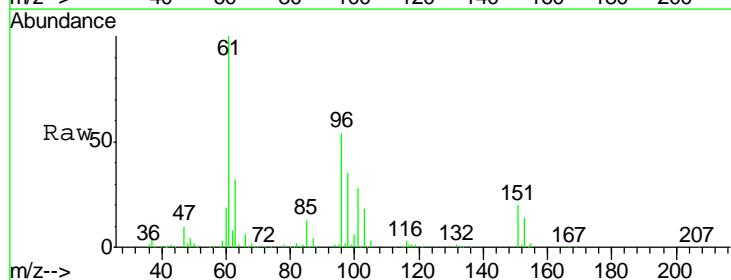
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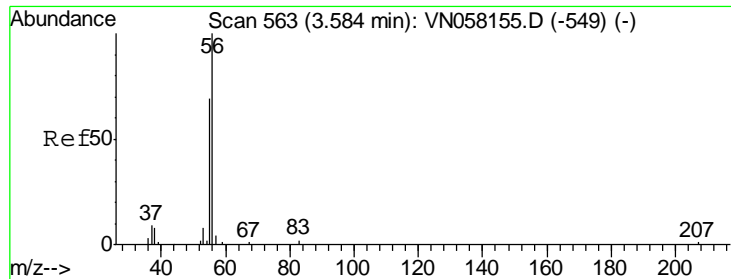
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#12
 1,1-Dichloroethene
 Concen: 61.330 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
96	100		
61	183.5	149.5	224.3
98	63.7	52.4	78.6





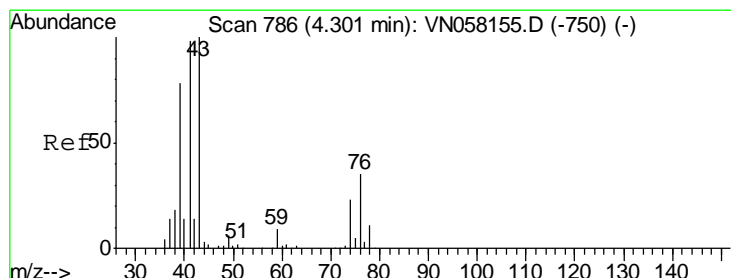
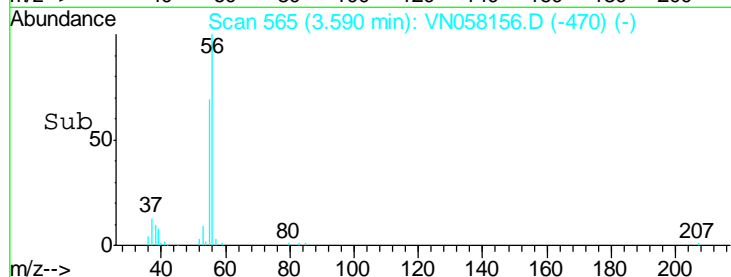
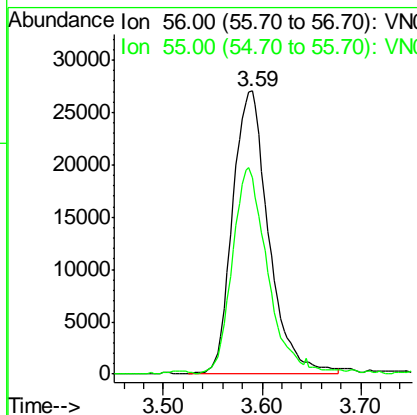
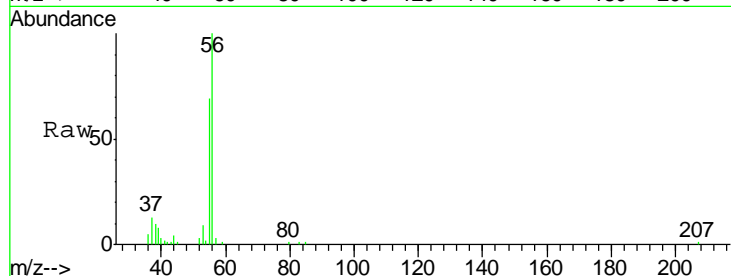
#13
 Acrolein
 Concen: 70.475 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	100		
55	71.0	56.1	84.1

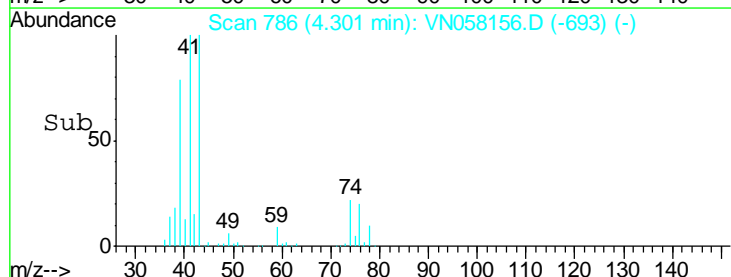
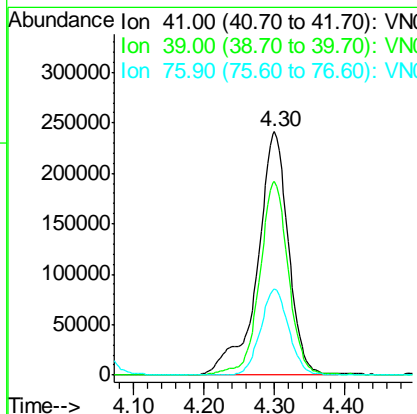
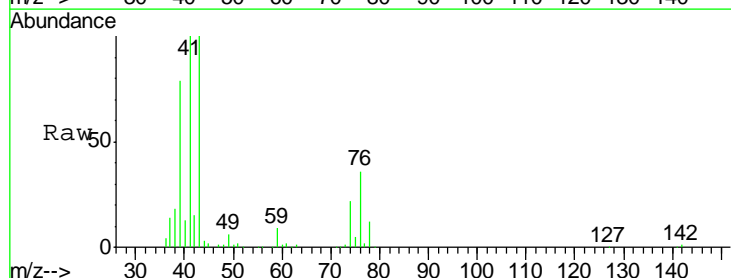
Manual Integrations
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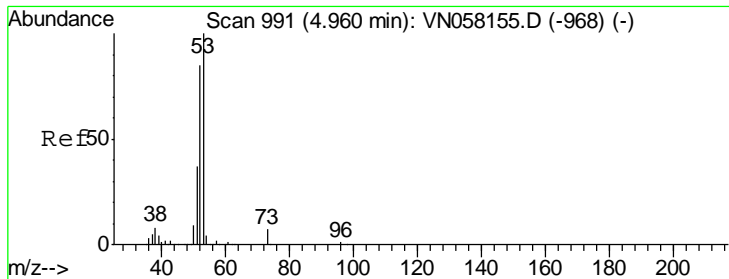
MMDadoda
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#14
 Allyl chloride
 Concen: 66.023 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
41	100		
39	73.5	59.1	88.7
76	31.9	25.1	37.7





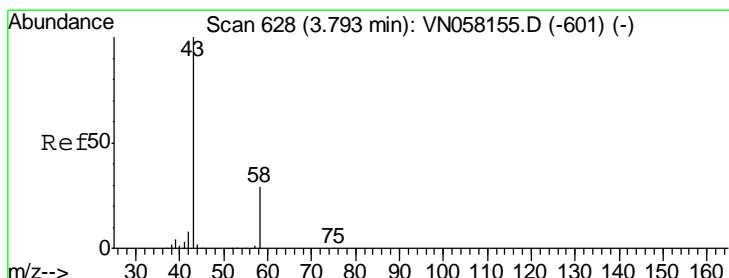
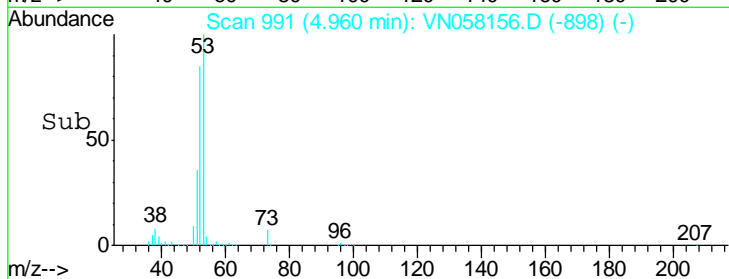
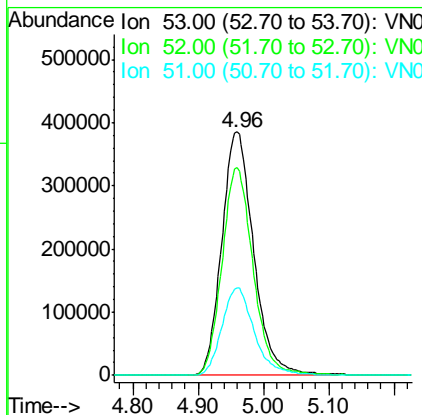
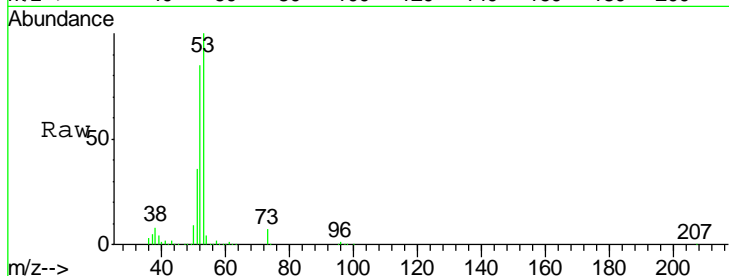
#15
 Acrylonitrile
 Concen: 358.795 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.2	66.6	100.0
51	36.8	29.7	44.5

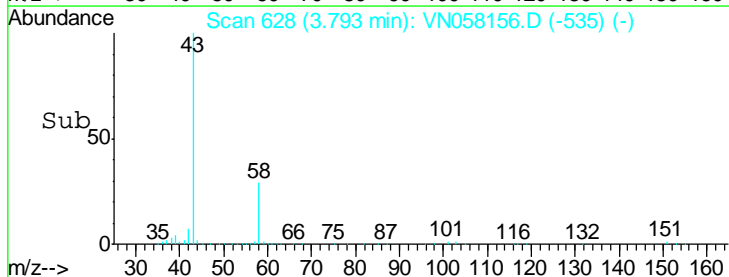
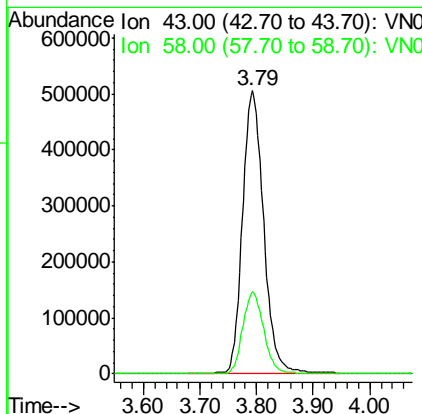
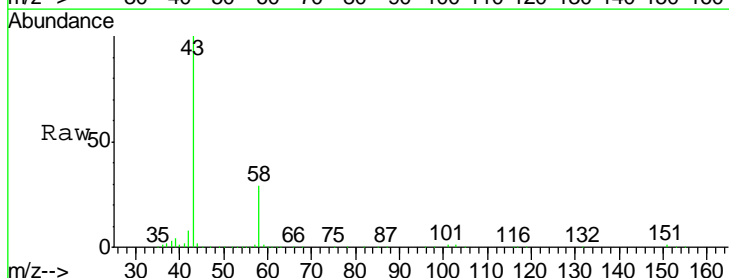
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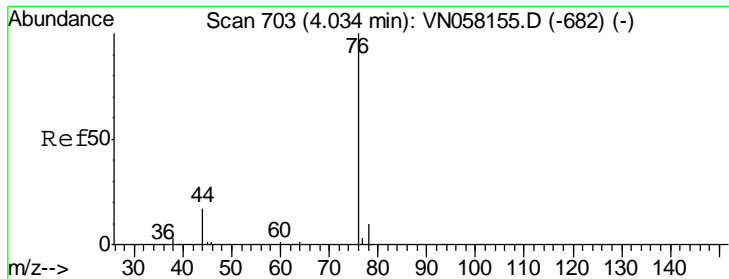
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#16
 Acetone
 Concen: 366.759 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.9	23.4	35.2





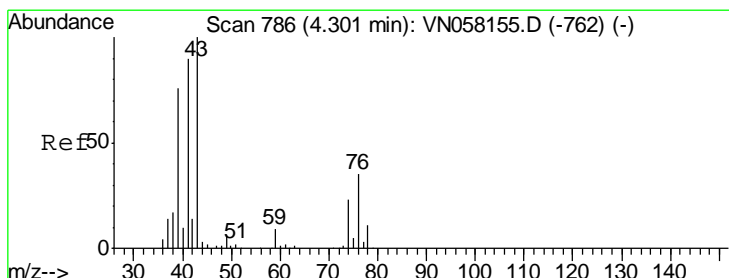
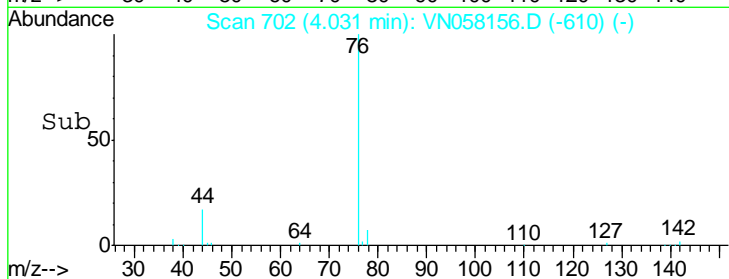
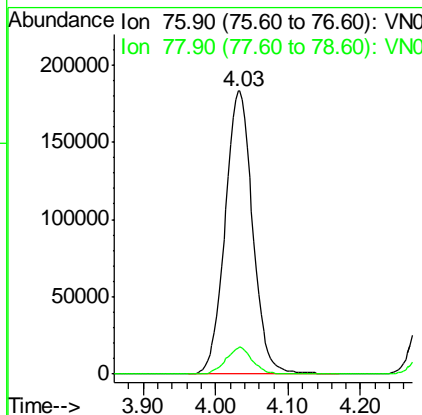
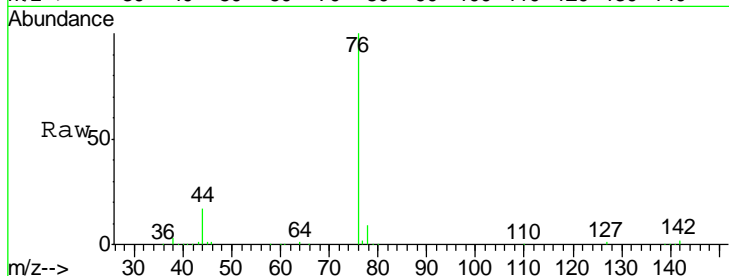
#17
 Carbon Disulfide
 Concen: 46.363 ug/l
 RT: 4.03 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.3	7.7	11.5

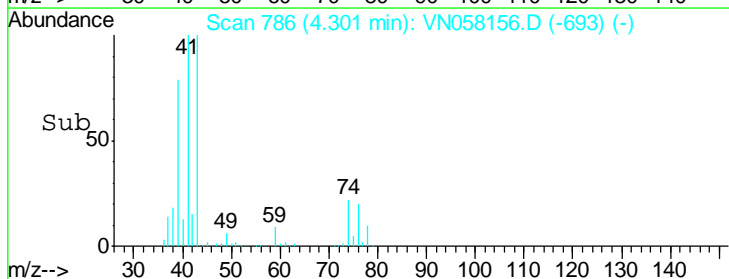
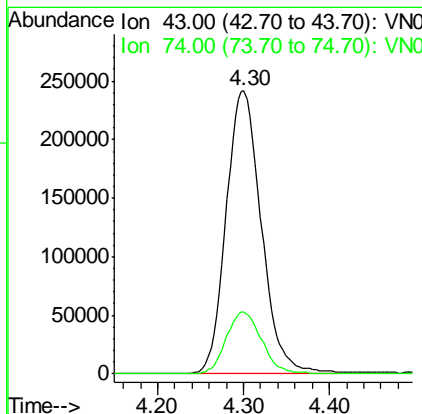
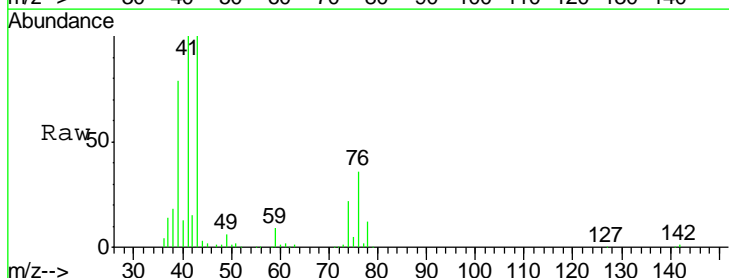
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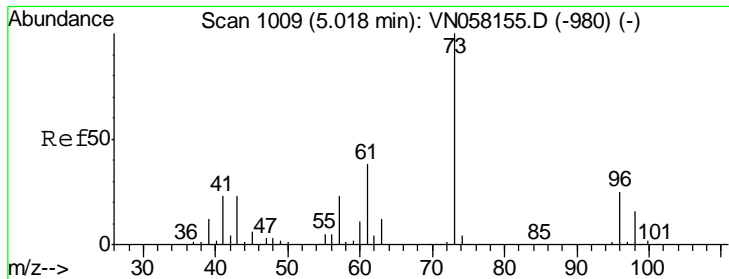
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#18
 Methyl Acetate
 Concen: 71.249 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.3	18.0	27.0





#19
 Methyl tert-butyl Ether
 Concen: 73.215 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

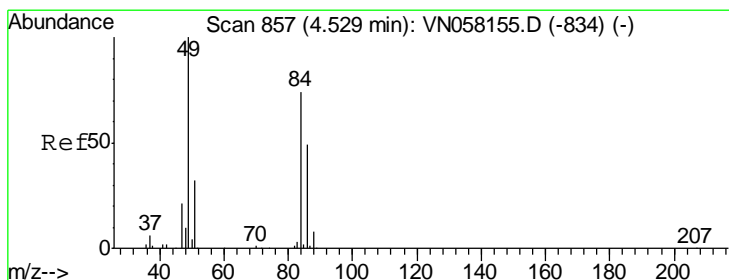
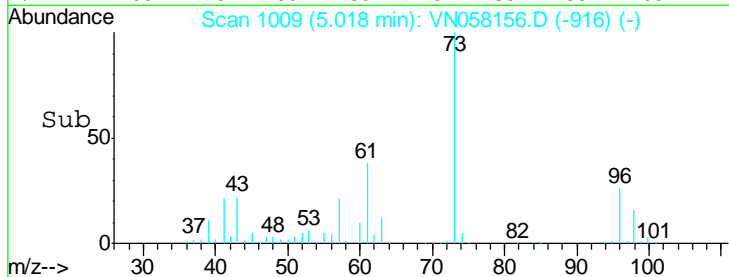
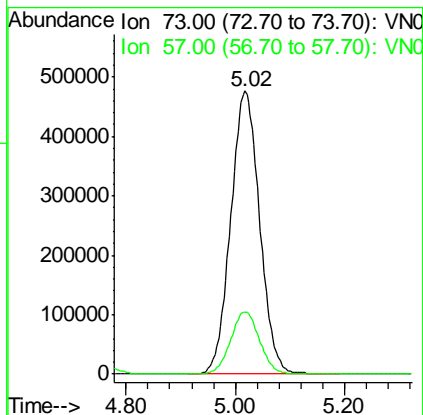
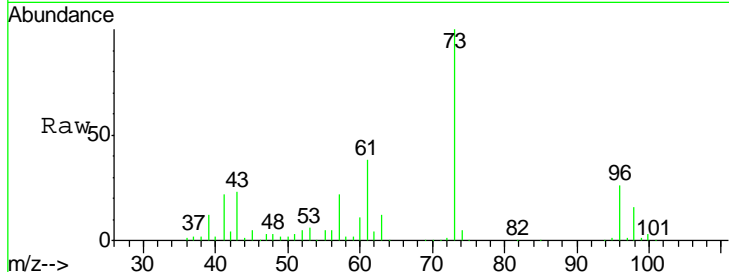
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 73 Resp: 1751959

Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.1	27.1

Manual Integrations
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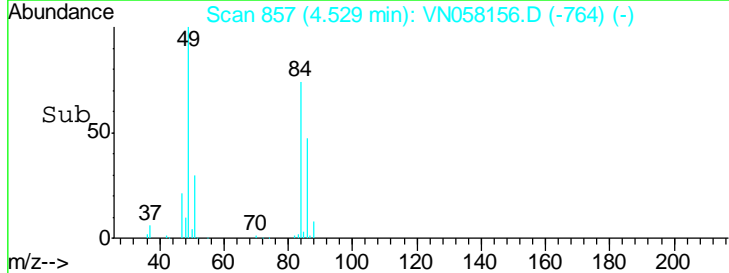
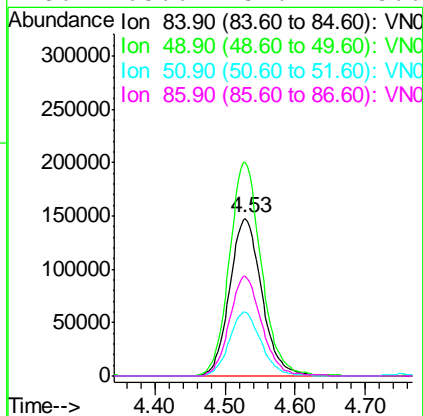
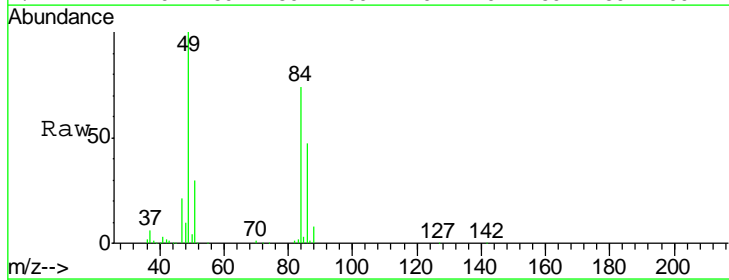
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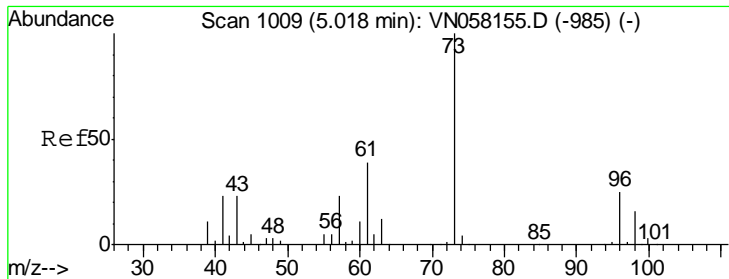


#20
 Methylene Chloride
 Concen: 60.695 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 84 Resp: 471336

Ion	Ratio	Lower	Upper
84	100		
49	135.6	107.5	161.3
51	40.5	33.9	50.9
86	63.6	52.4	78.6





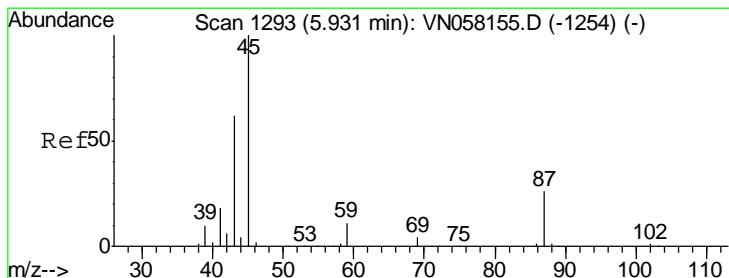
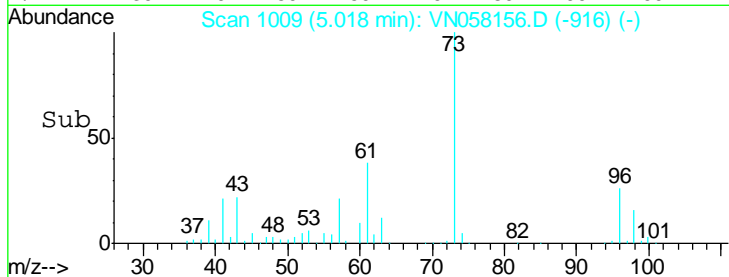
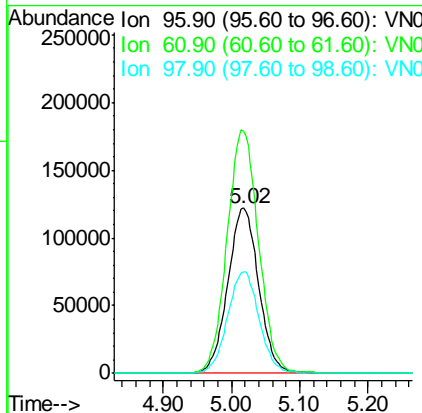
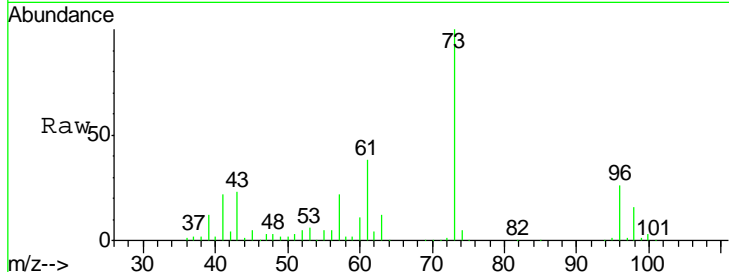
#21
 trans-1,2-Dichloroethene
 Concen: 62.263 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	384944		
96	100		
61	147.0	122.2	183.4
98	61.7	49.9	74.9

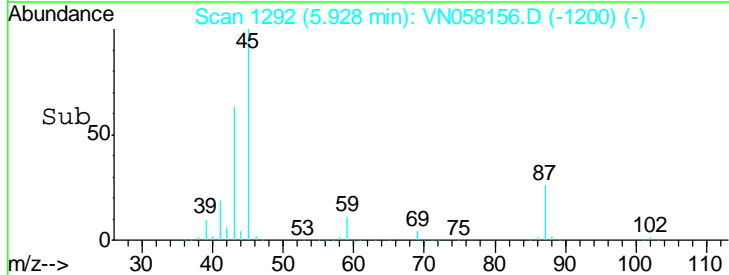
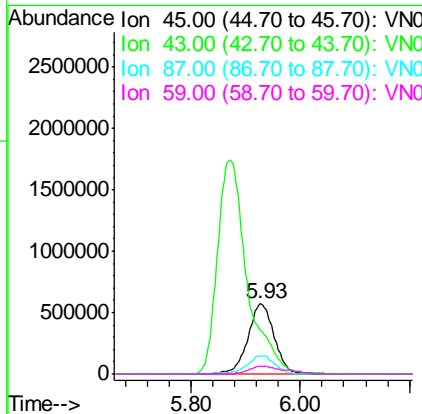
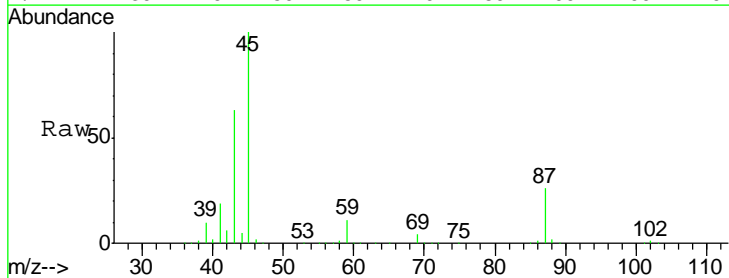
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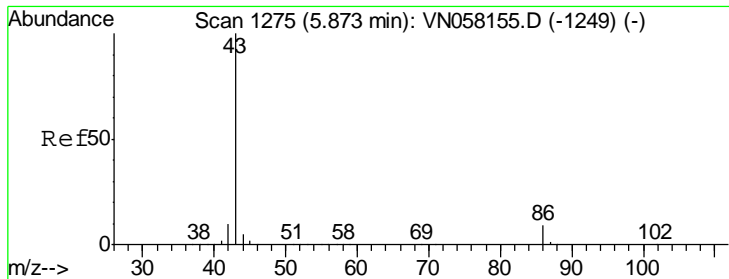
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#22
 Diisopropyl ether
 Concen: 72.648 ug/l
 RT: 5.93 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
45	1915922		
45	100		
43	63.1	49.7	74.5
87	26.3	20.7	31.1
59	11.1	9.1	13.7





#23
 Vinyl Acetate
 Concen: 353.785 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

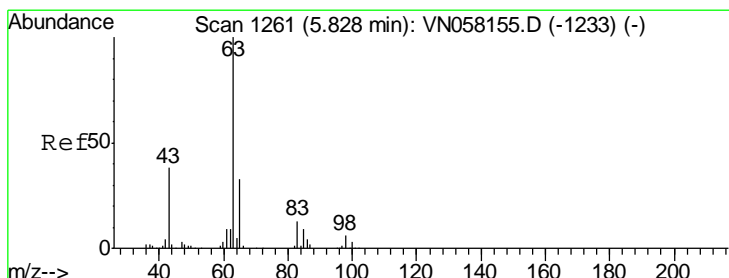
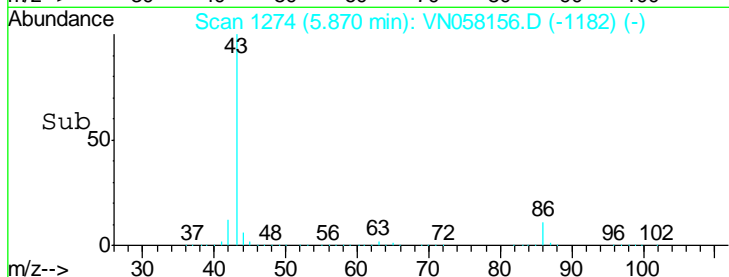
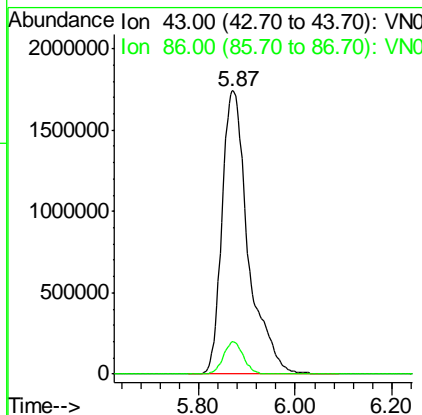
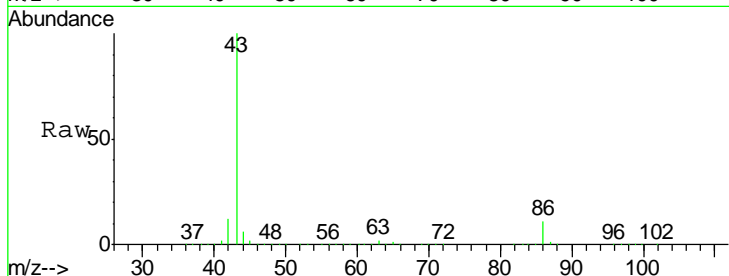
Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion: 43 Resp: 6574189

Ion	Ratio	Lower	Upper
43	100		
86	11.5	7.4	11.2#

Manual Integrations
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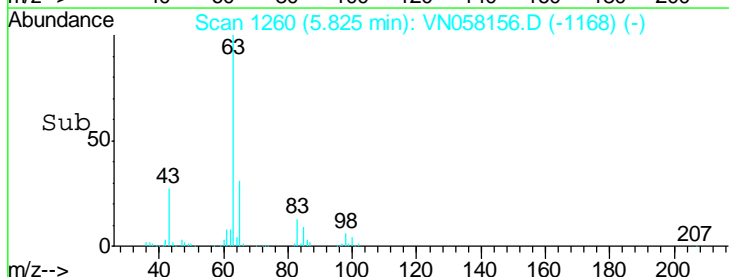
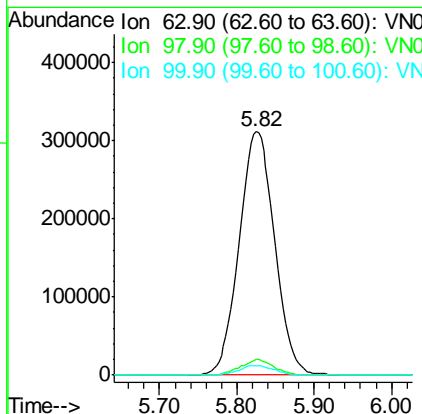
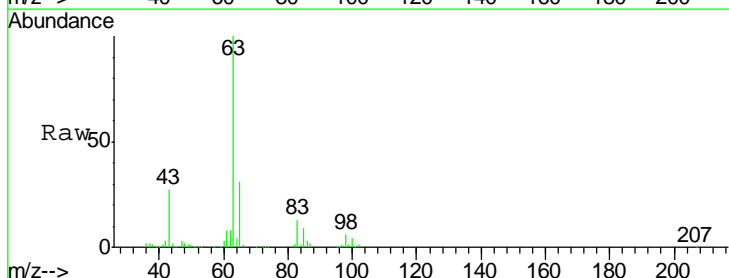
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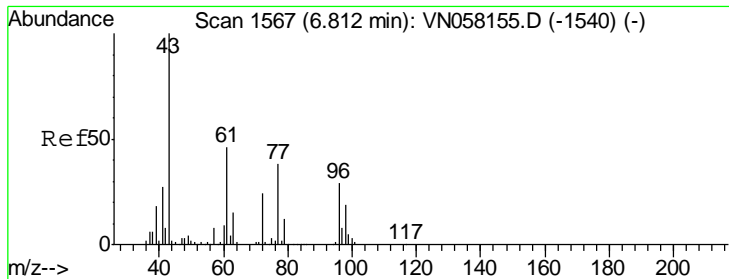


#24
 1,1-Dichloroethane
 Concen: 69.070 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 63 Resp: 994118

Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.9	8.6
100	3.8	1.8	5.3





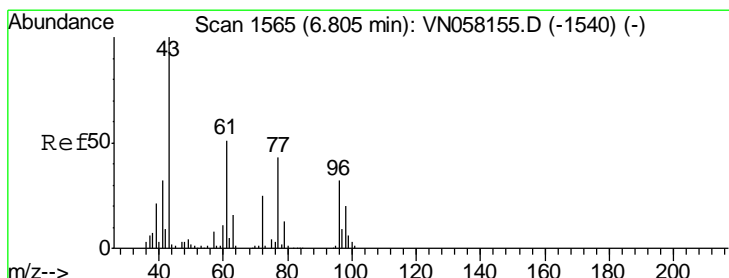
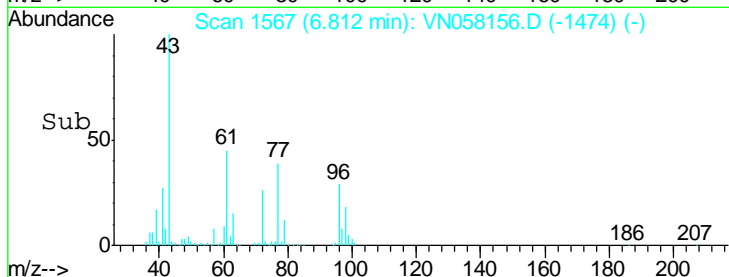
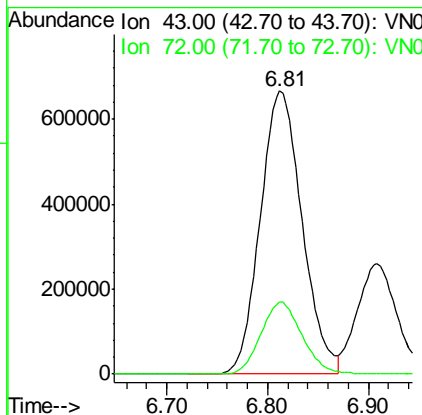
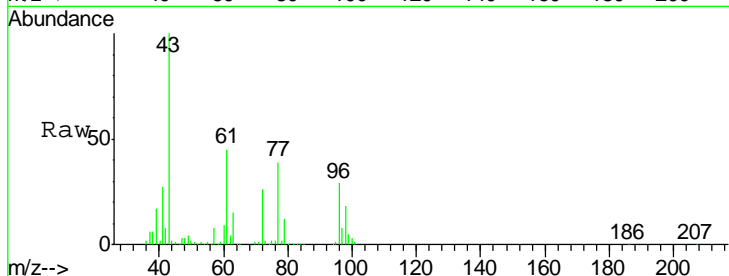
#25
 2-Butanone
 Concen: 370.320 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 43 Resp: 1916318
 Ion Ratio Lower Upper
 43 100
 72 25.6 19.5 29.3

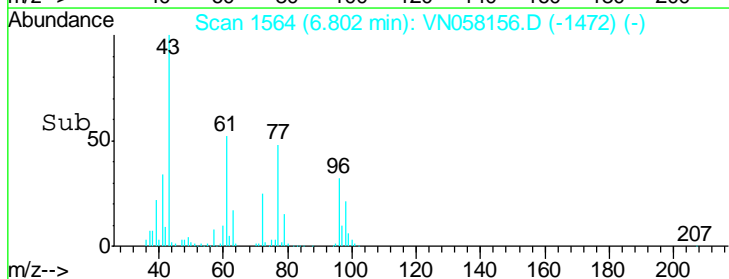
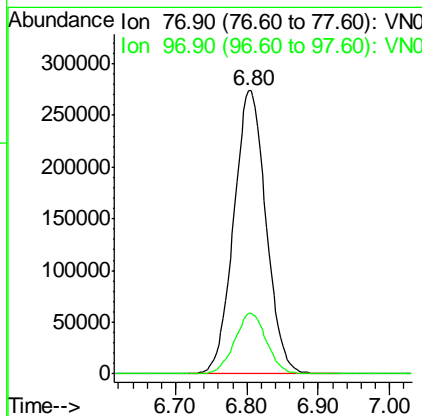
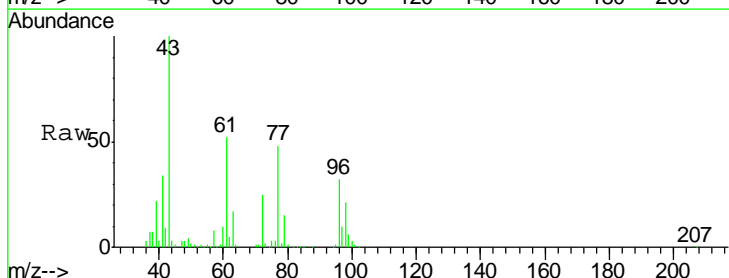
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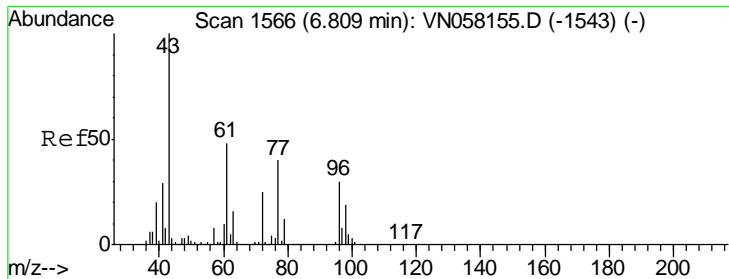
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#26
 2,2-Dichloropropane
 Concen: 75.538 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 77 Resp: 862792
 Ion Ratio Lower Upper
 77 100
 97 21.2 10.5 31.6





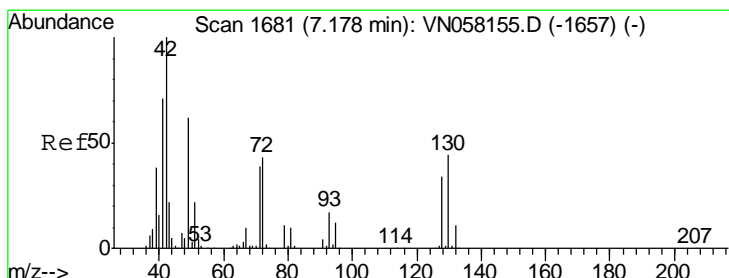
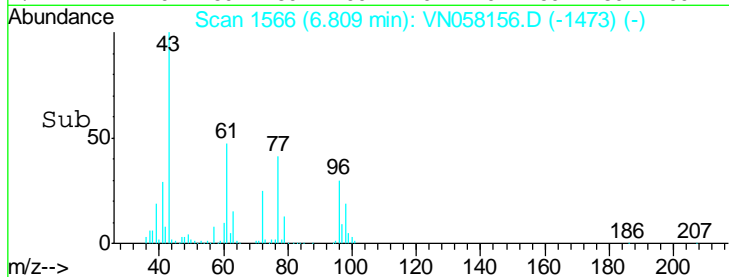
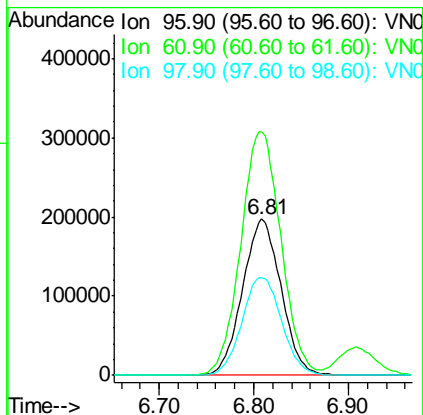
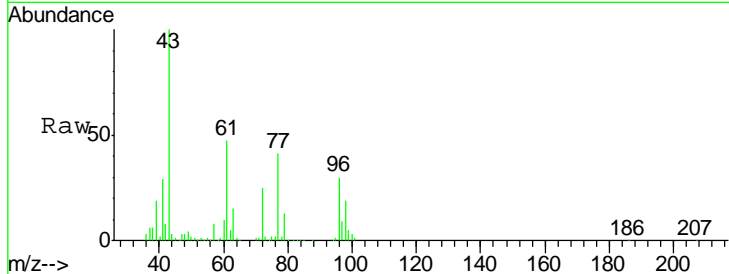
#27
 cis-1,2-Dichloroethene
 Concen: 67.048 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	558253		
96	100		
61	162.8	0.0	319.0
98	64.6	0.0	126.6

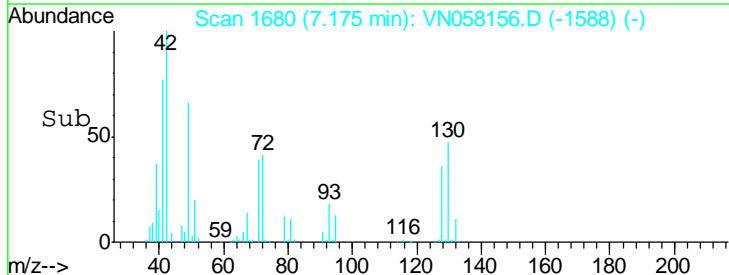
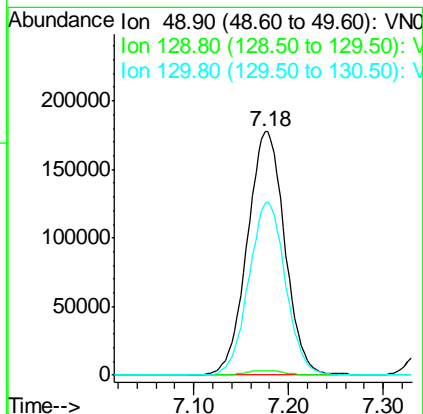
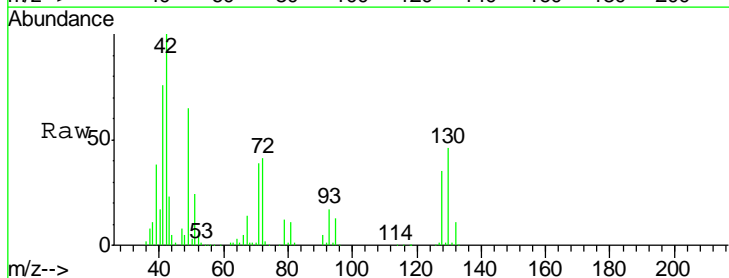
Manual Integrations
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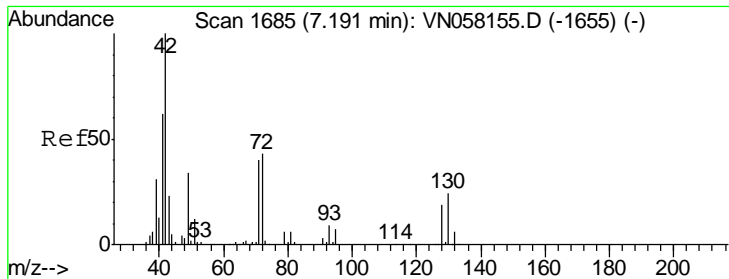
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#28
 Bromochloromethane
 Concen: 67.833 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
49	487571		
49	100		
129	1.9	0.0	1.8#
130	69.7	55.4	83.2





#29
 Tetrahydrofuran
 Concen: 354.892 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

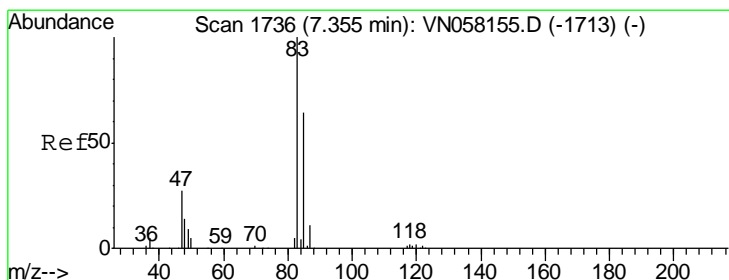
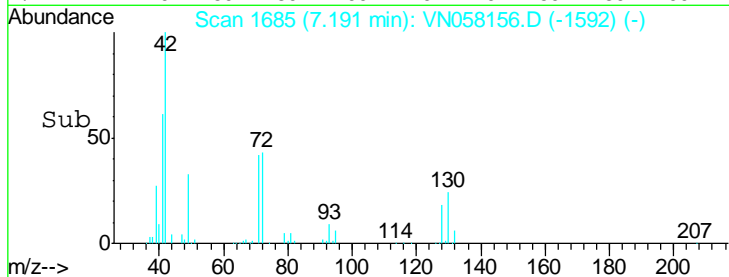
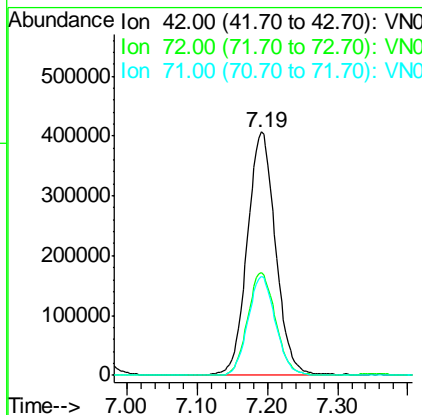
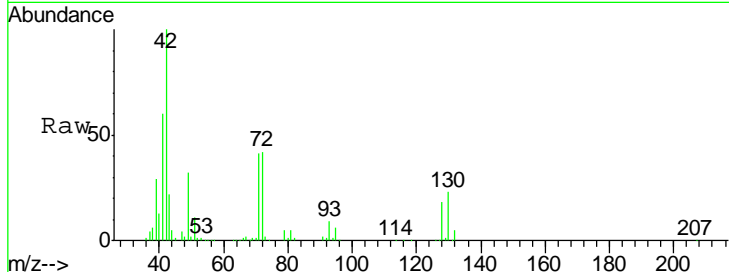
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 42 Resp: 1131763

Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.8	50.6
71	39.6	31.4	47.0

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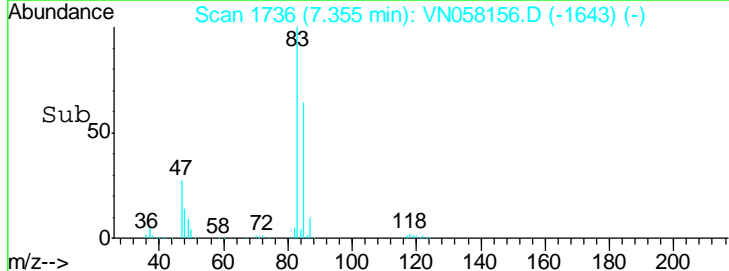
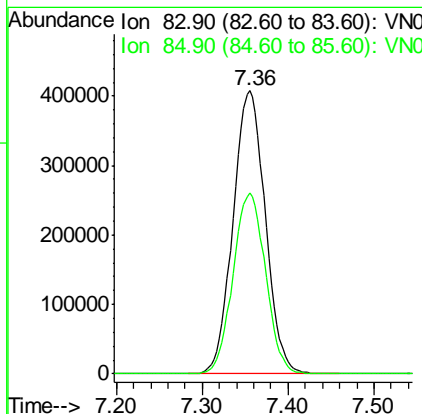
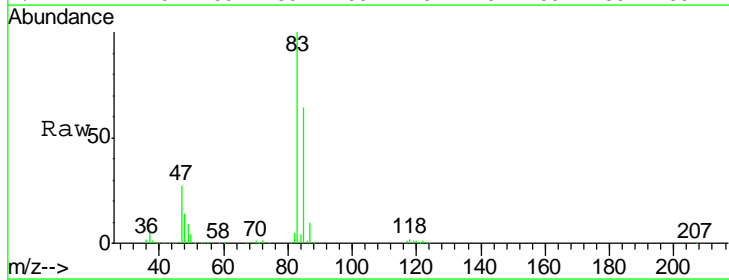
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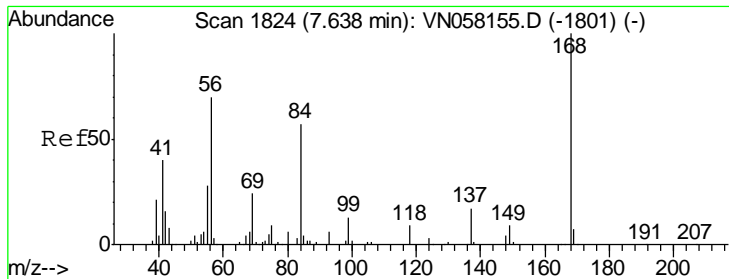


#30
 Chloroform
 Concen: 70.348 ug/l
 RT: 7.36 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 83 Resp: 1061556

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.2





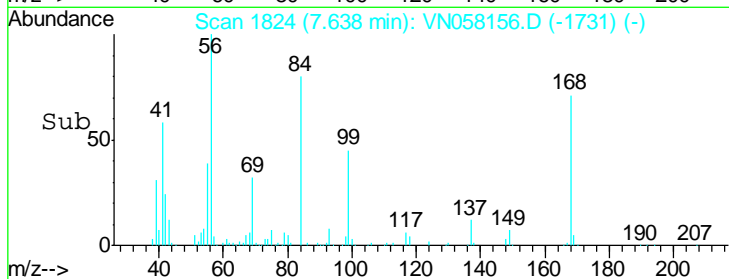
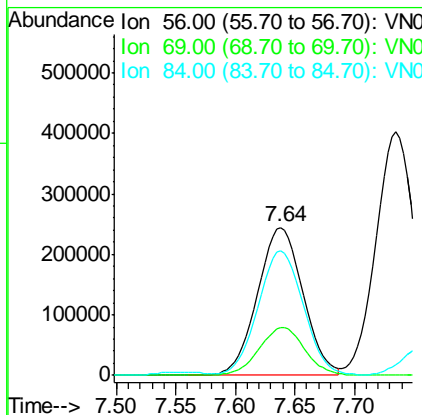
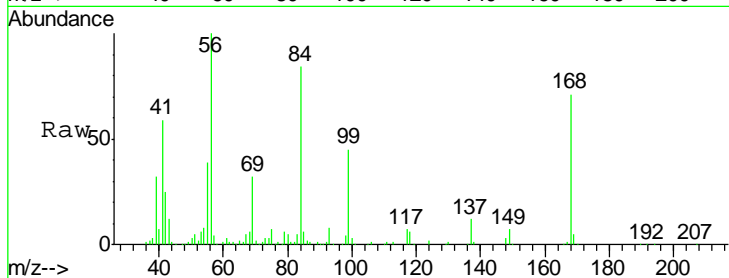
#31
 Cyclohexane
 Concen: 60.978 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	100		
69	32.3	27.3	40.9
84	82.1	65.0	97.4

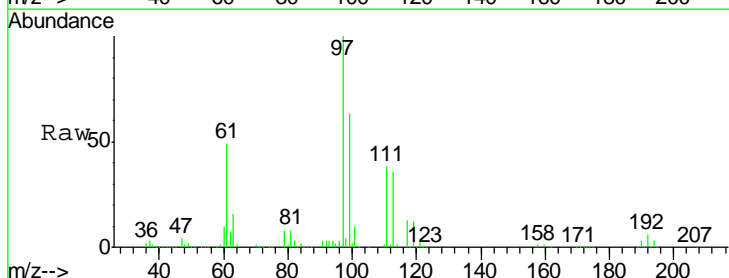
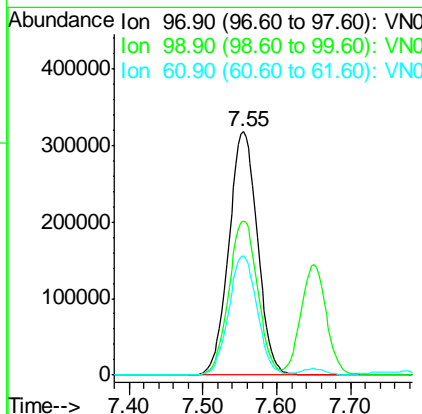
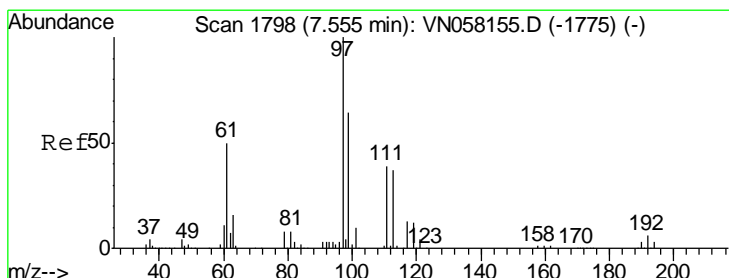
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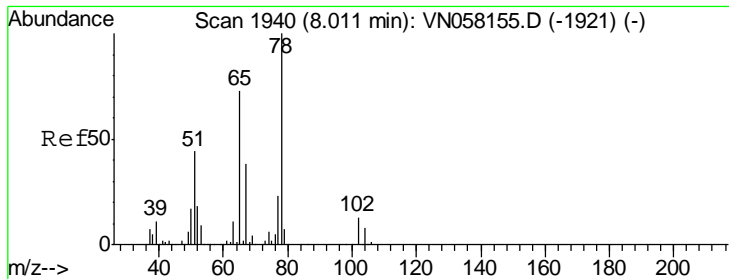
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#32
 1,1,1-Trichloroethane
 Concen: 71.821 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	48.6	39.2	58.8





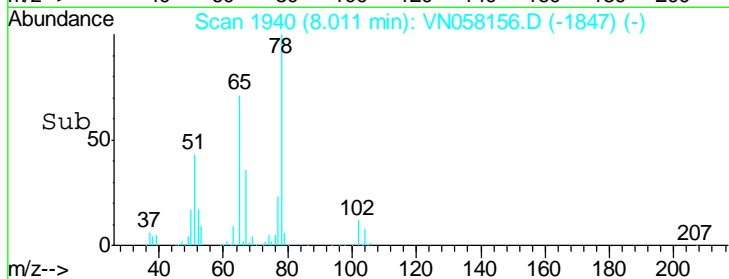
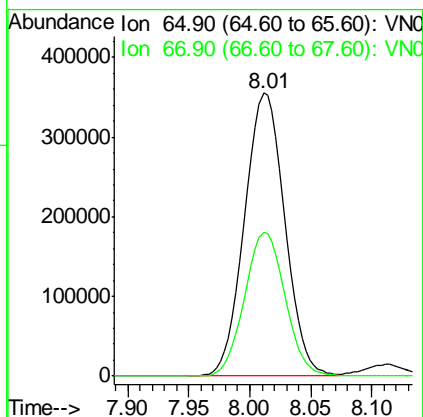
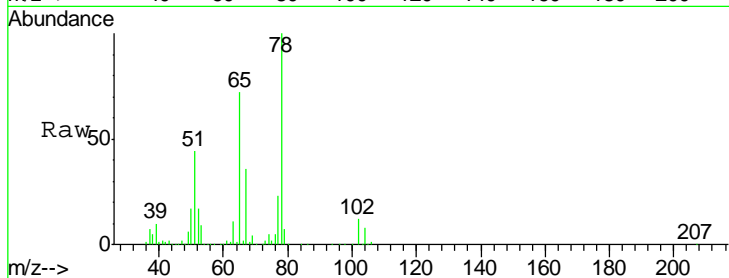
#33
 1,2-Dichloroethane-d4
 Concen: 74.757 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
65	813337		
65	100		
67	51.2	0.0	103.4

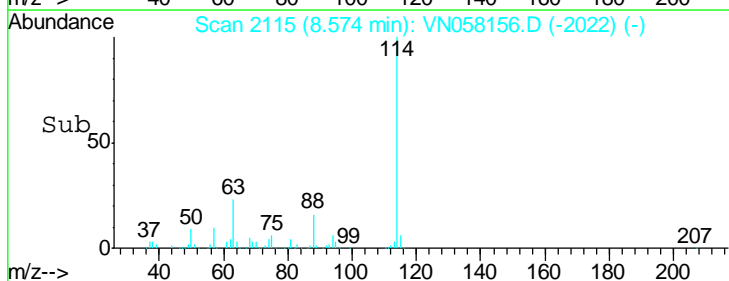
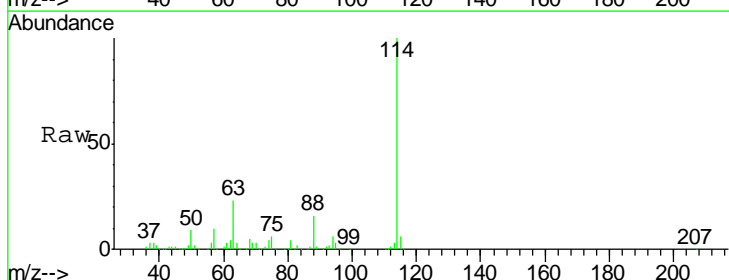
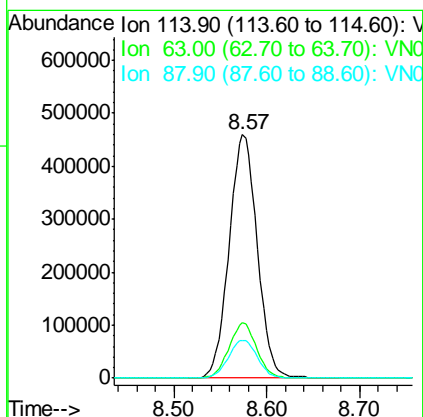
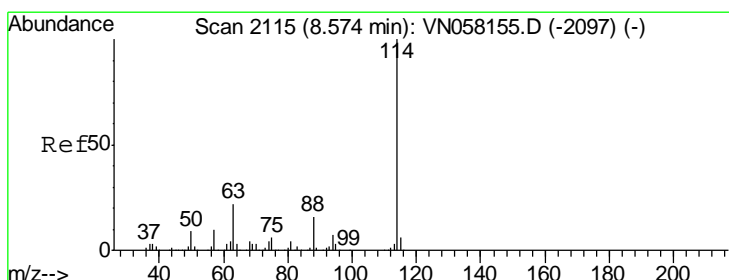
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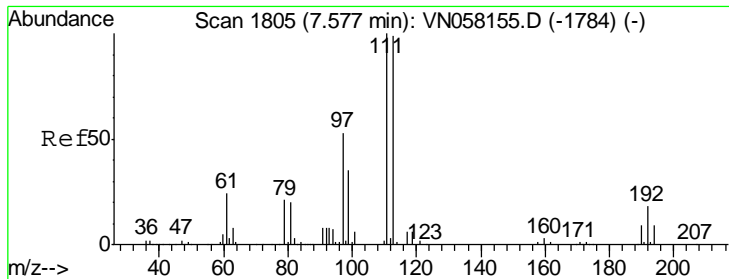
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
114	965146		
114	100		
63	22.7	0.0	44.2
88	15.7	0.0	31.6





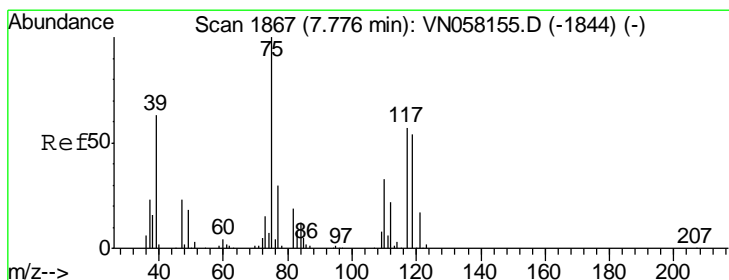
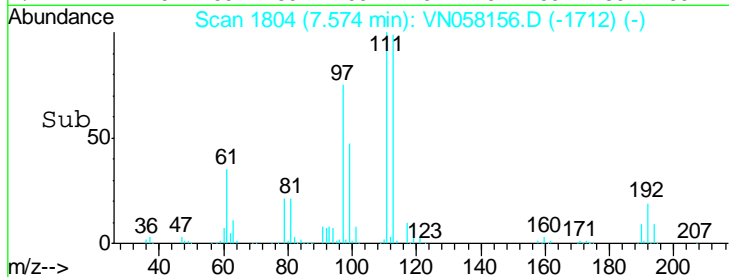
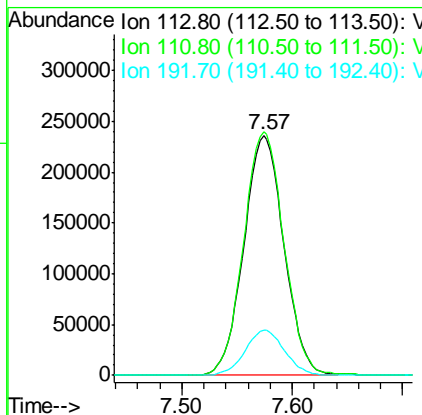
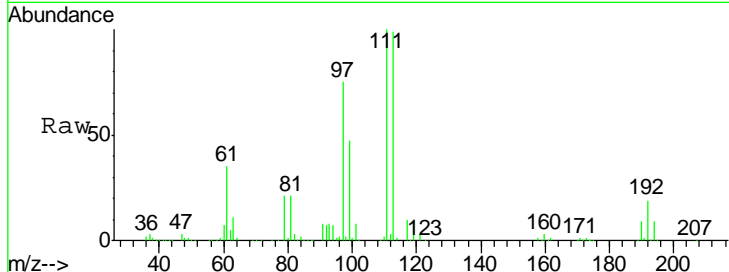
#35
 Dibromofluoromethane
 Concen: 71.118 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	18.7	14.5	21.7

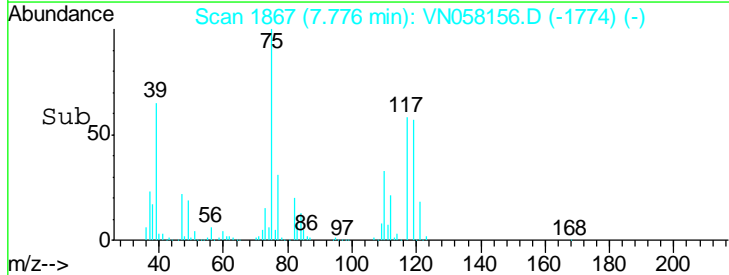
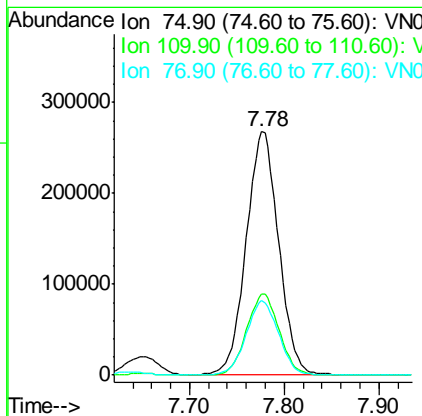
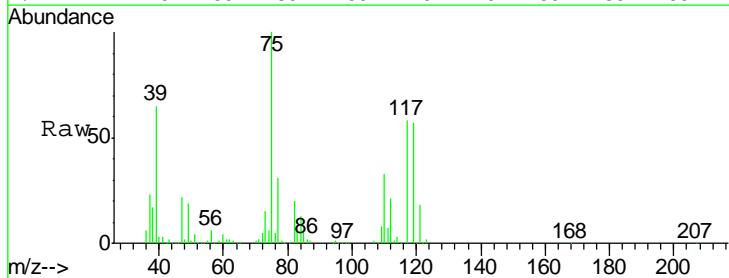
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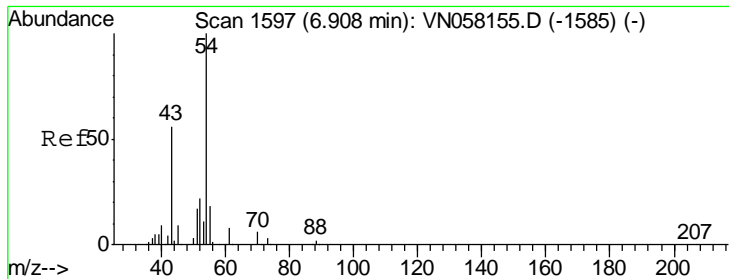
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#36
 1,1-Dichloropropene
 Concen: 60.605 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
75	100		
110	33.6	16.6	49.7
77	30.8	24.3	36.5





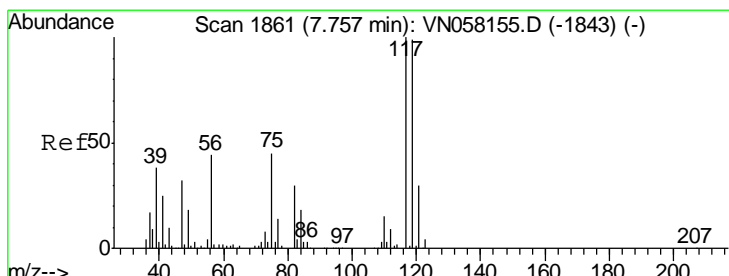
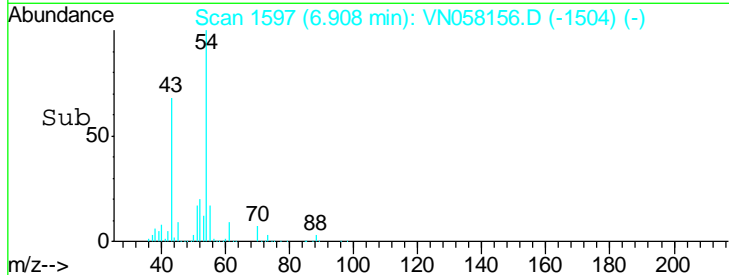
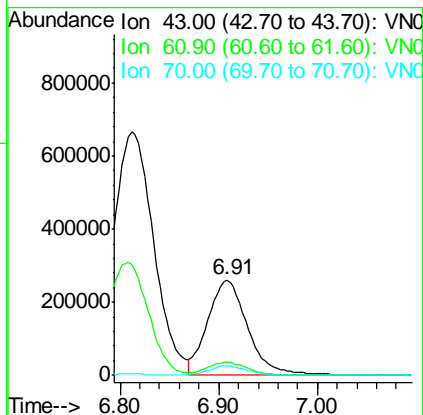
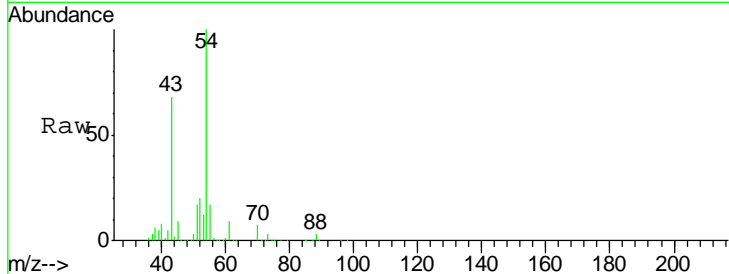
#37
 Ethyl Acetate
 Concen: 66.375 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	9.7	7.6	11.4

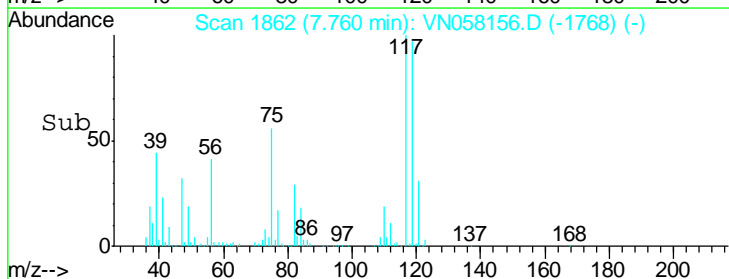
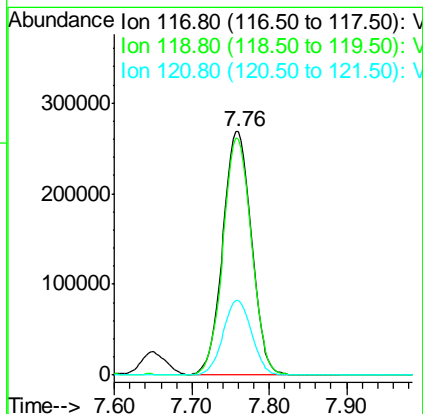
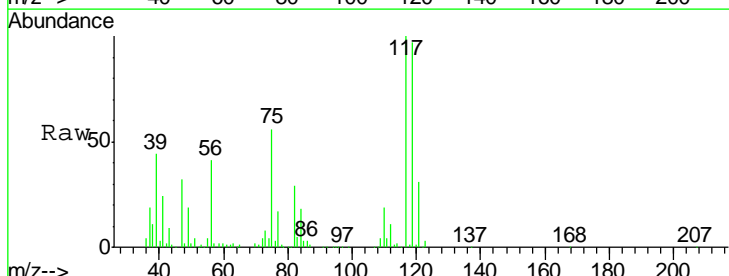
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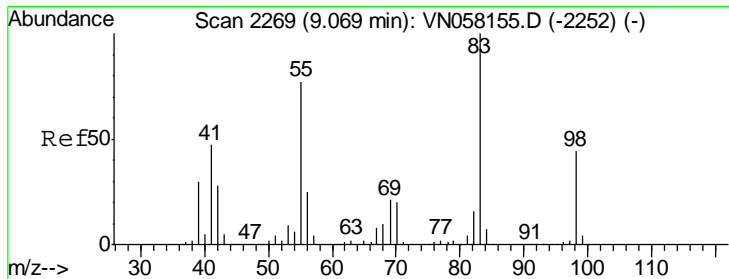
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#38
 Carbon Tetrachloride
 Concen: 71.891 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.0	78.6	117.8
121	30.7	24.1	36.1





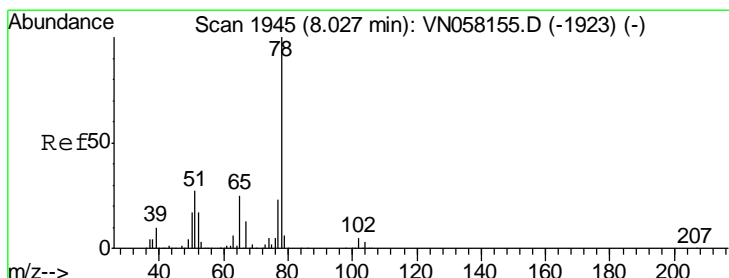
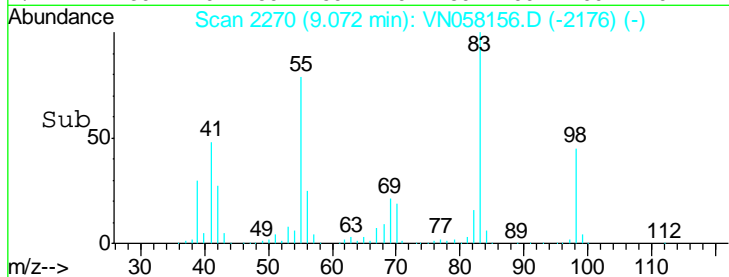
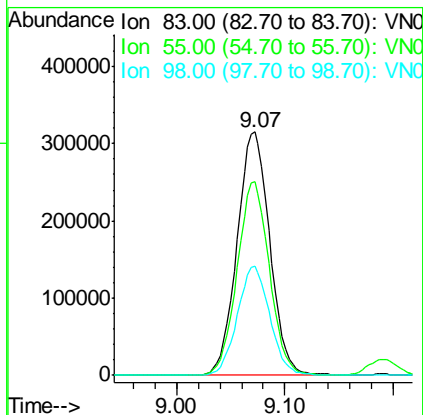
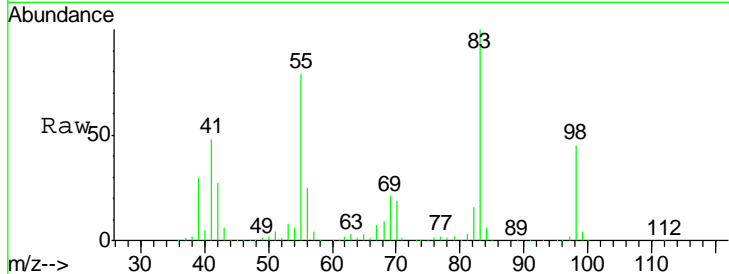
#39
 Methylcyclohexane
 Concen: 60.608 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	666599		
83	100		
55	79.3	61.9	92.9
98	44.6	35.4	53.2

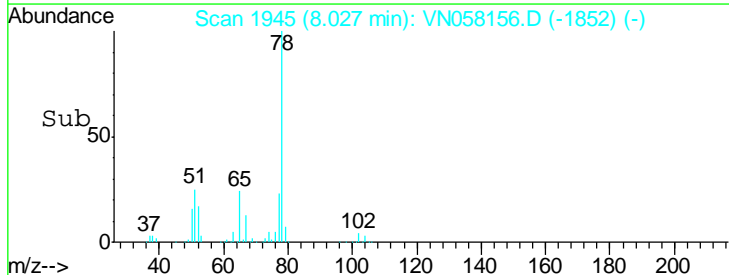
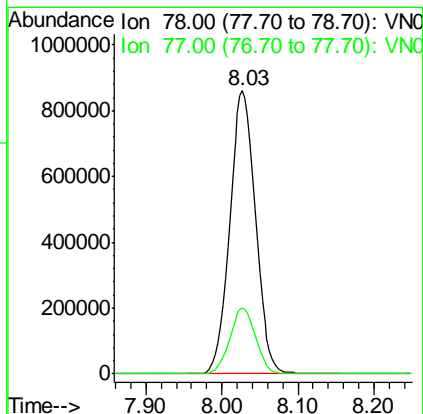
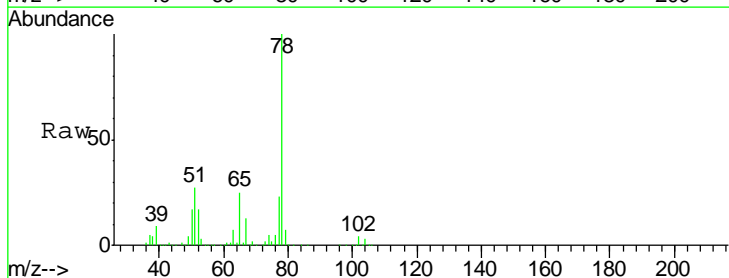
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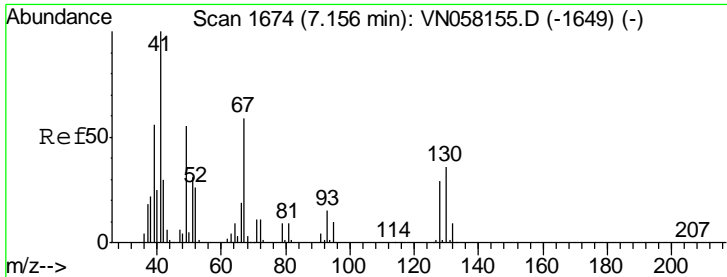
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#40
 Benzene
 Concen: 63.901 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
78	2017893		
78	100		
77	23.3	18.8	28.2





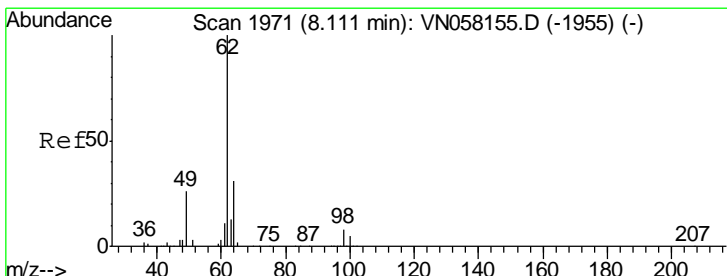
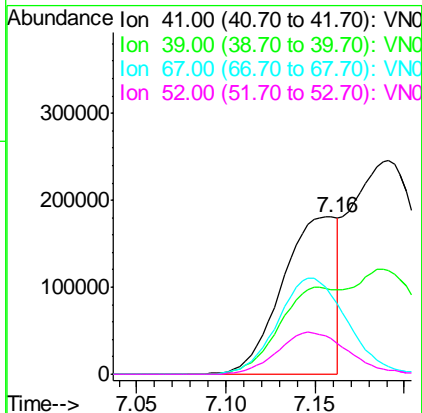
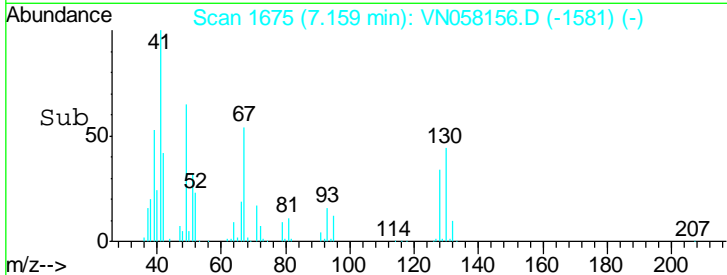
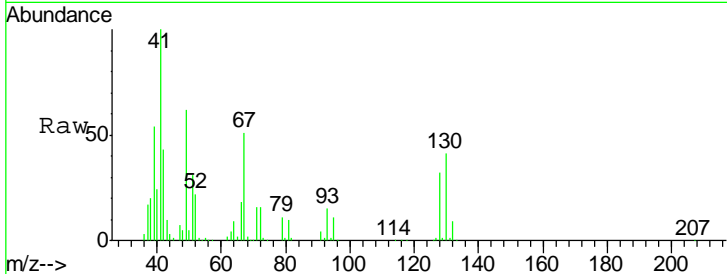
#41
 Methacrylonitrile
 Concen: 78.367 ug/l
 RT: 7.16 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
41	100		
39	56.4	0.0	0.0#
67	77.8	0.0	0.0#
52	34.4	0.0	0.0#

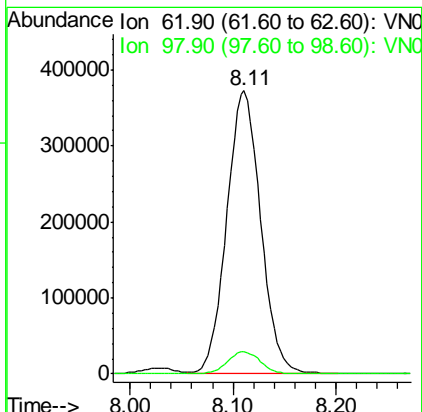
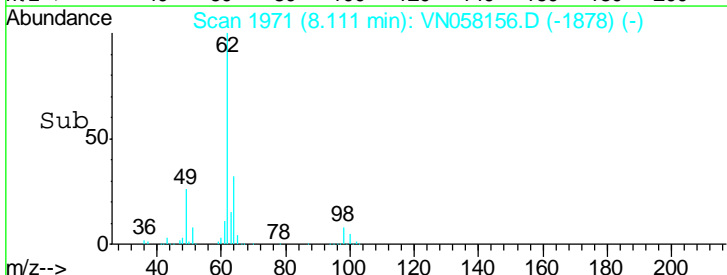
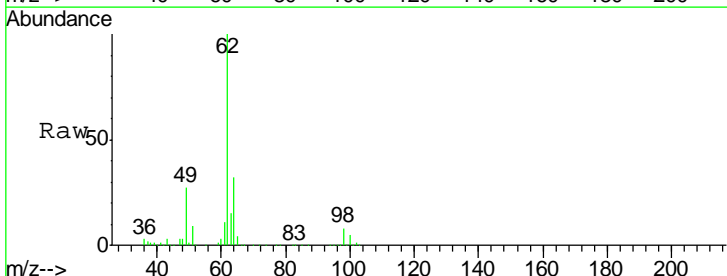
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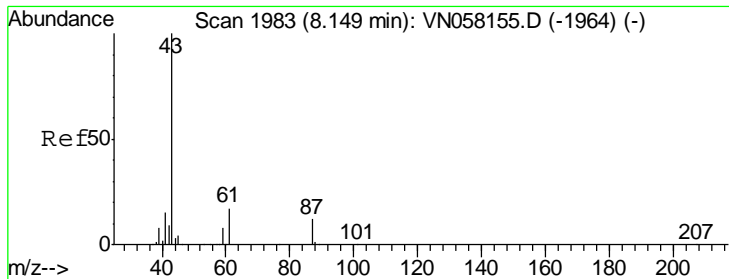
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#42
 1,2-Dichloroethane
 Concen: 67.277 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
62	100		
98	7.7	0.0	15.6





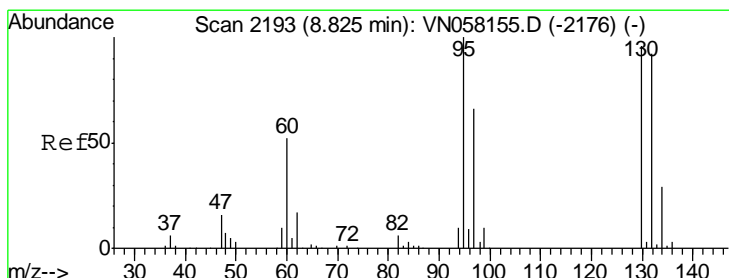
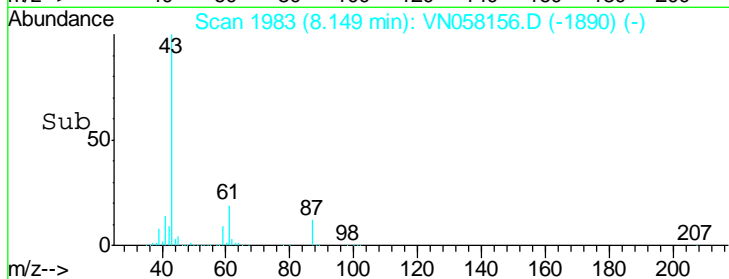
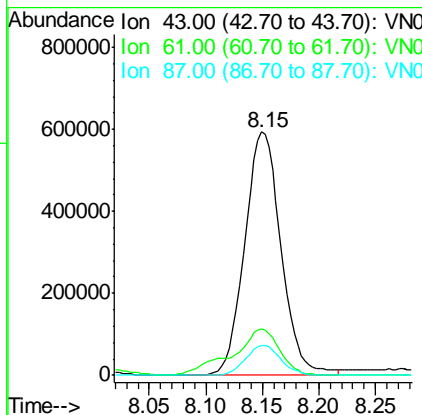
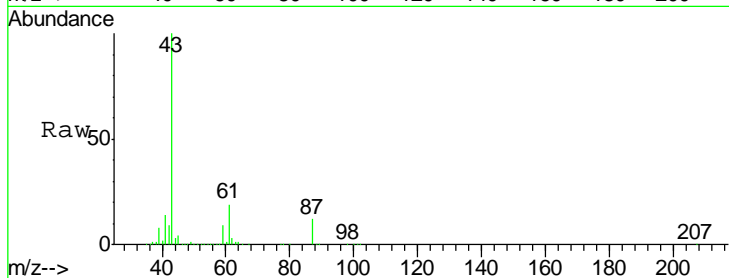
#43
 Isopropyl Acetate
 Concen: 72.286 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	24.5	19.7	29.5
87	12.1	9.4	14.2

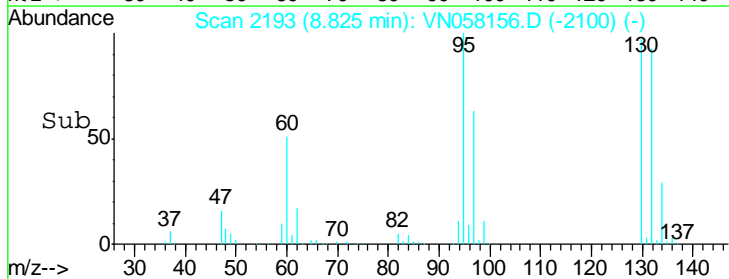
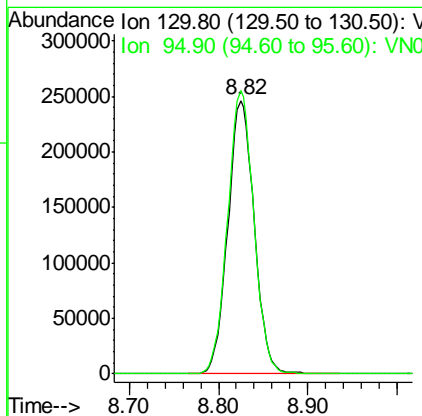
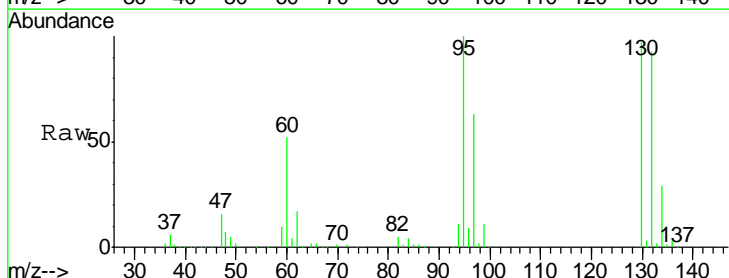
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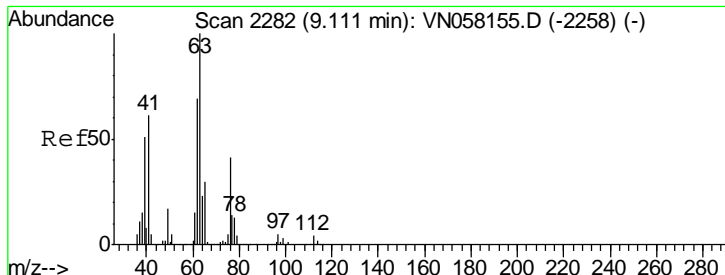
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#44
 Trichloroethene
 Concen: 64.856 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
130	100		
95	103.5	0.0	207.8





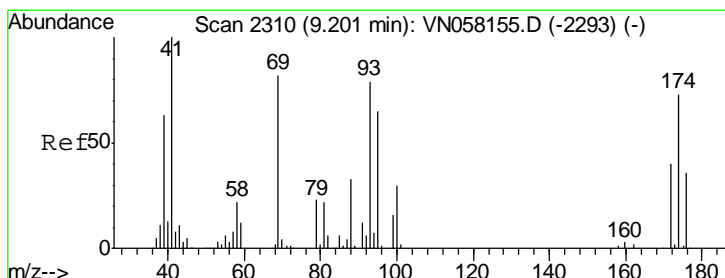
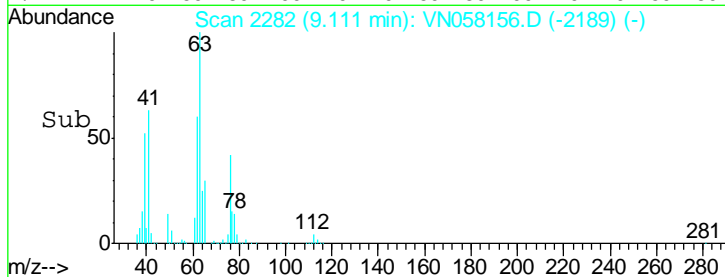
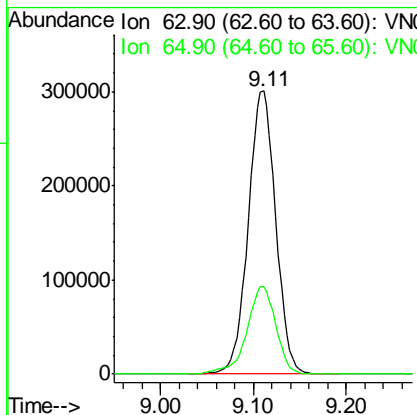
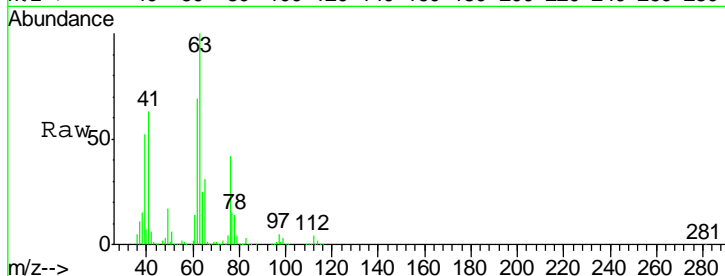
#45
 1,2-Dichloropropane
 Concen: 67.122 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.9	23.8	35.6

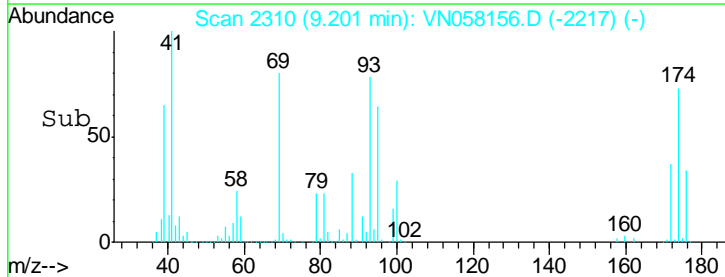
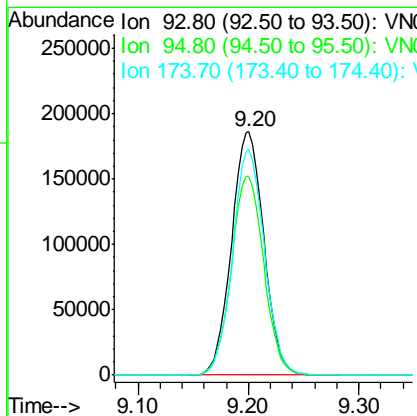
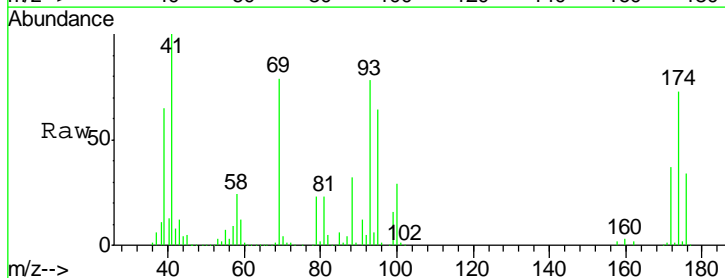
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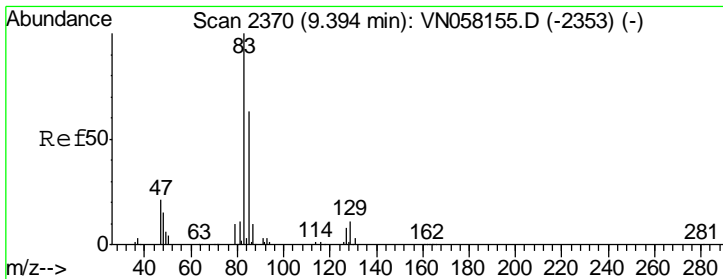
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#46
 Dibromomethane
 Concen: 67.976 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
93	100		
95	82.1	66.8	100.2
174	91.4	73.8	110.8





#47

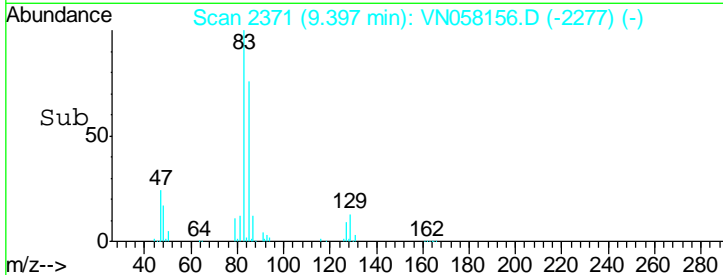
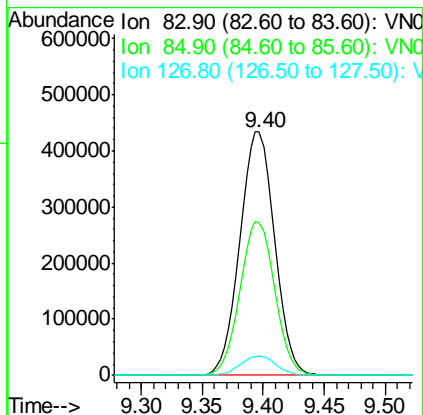
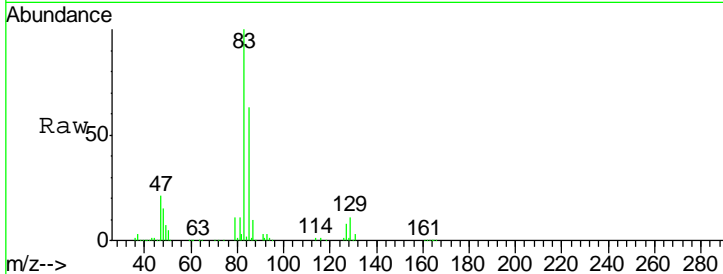
Bromodichloromethane
 Concen: 77.134 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
85	62.8	50.1	75.1
127	7.8	6.4	9.6

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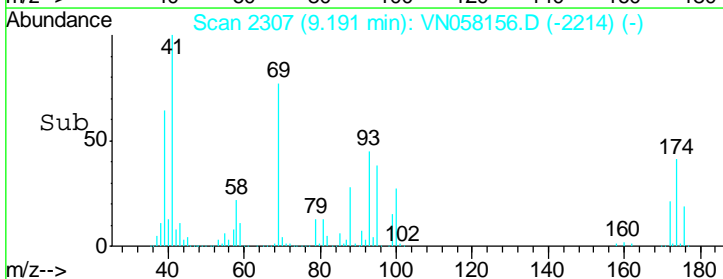
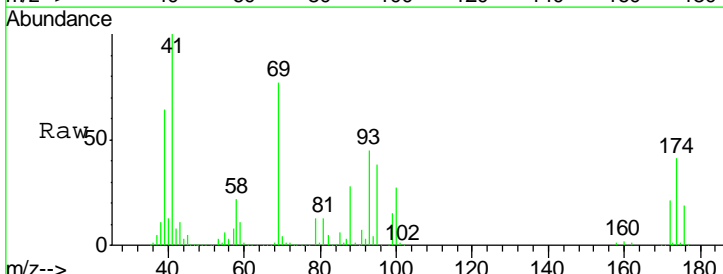
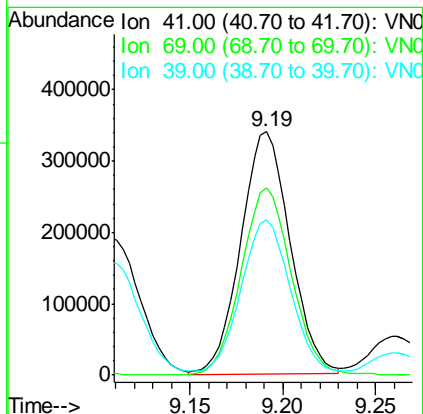
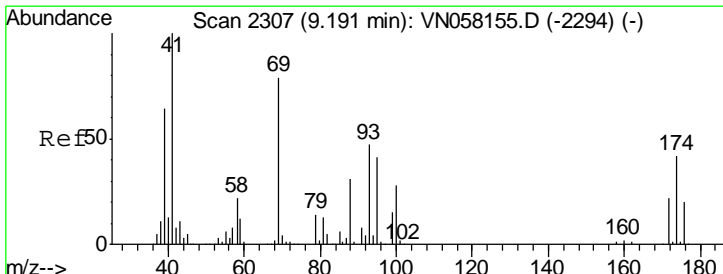
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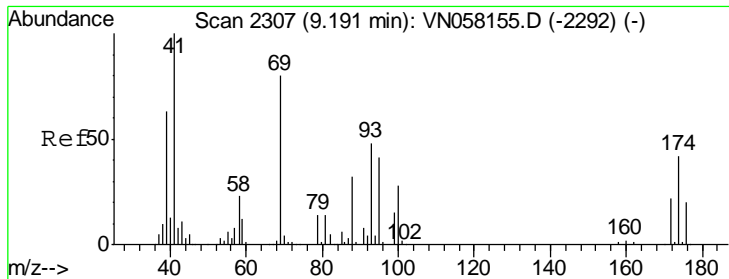


#48

Methyl methacrylate
 Concen: 68.611 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
41	100		
69	78.1	62.5	93.7
39	64.7	52.3	78.5





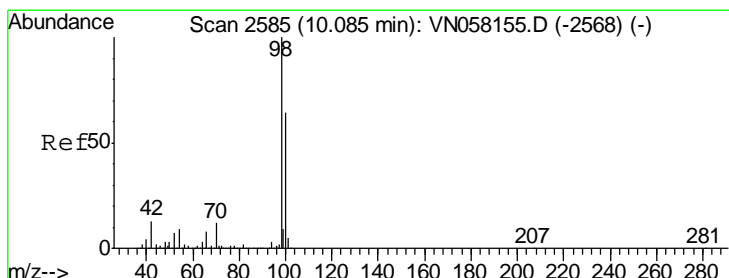
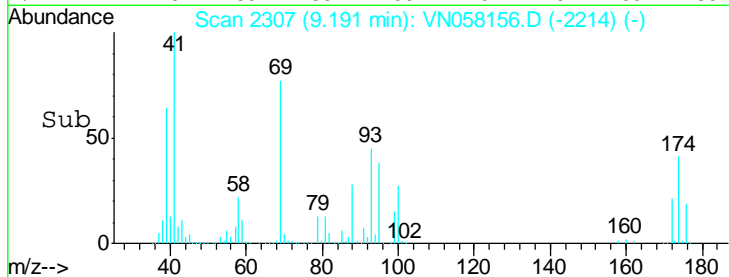
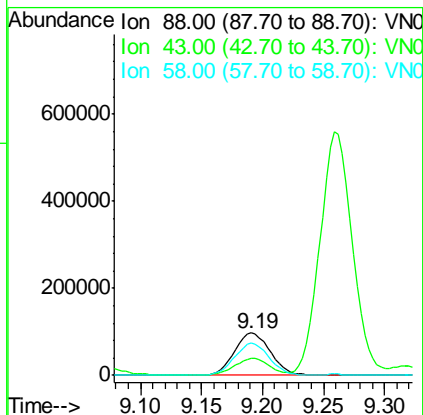
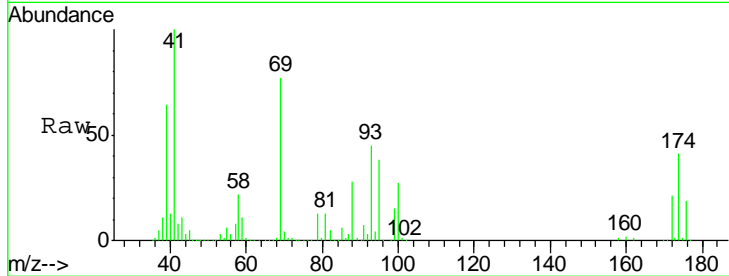
#49
 1,4-Dioxane
 Concen: 1271.278 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
88	199294		
88	100		
43	36.6	27.8	41.8
58	74.0	55.0	82.4

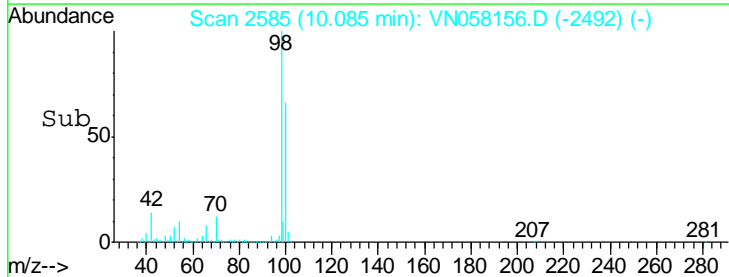
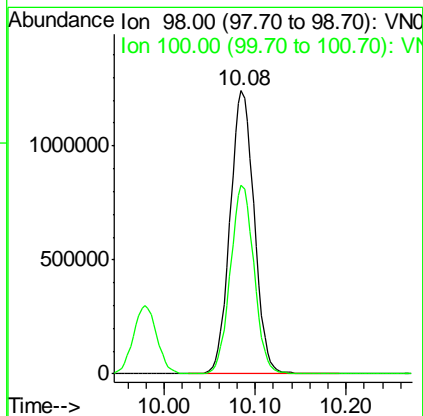
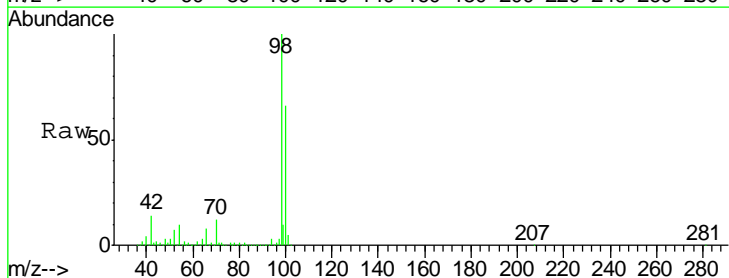
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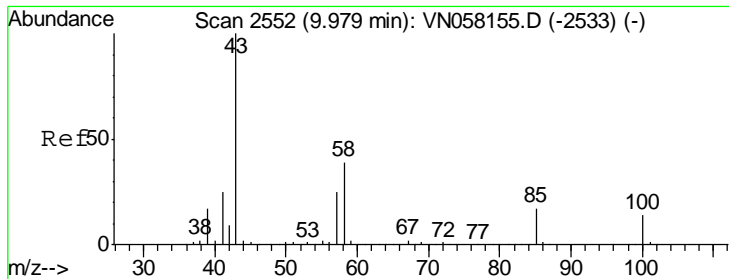
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#50
 Toluene-d8
 Concen: 70.997 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
98	2286362		
98	100		
100	65.3	51.1	76.7





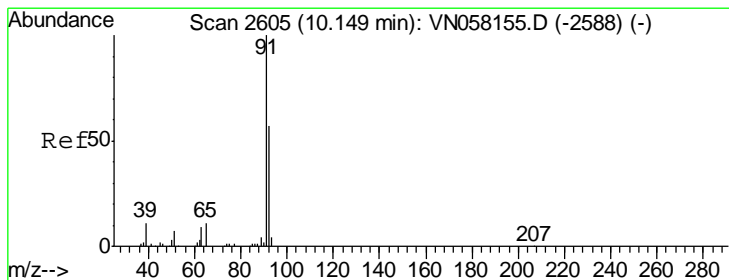
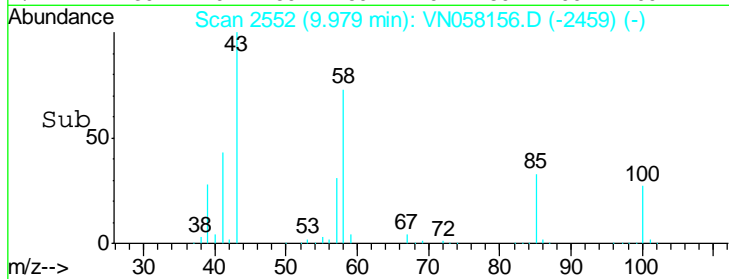
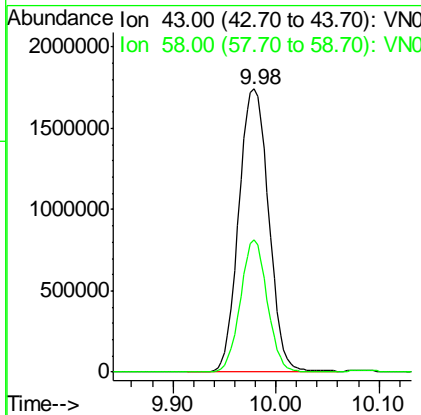
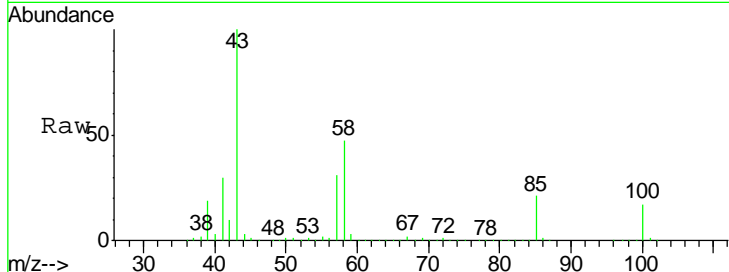
#51
 4-Methyl-2-Pentanone
 Concen: 328.857 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 43 Resp: 3519386

Ion	Ratio	Lower	Upper
43	100		
58	42.0	30.2	45.4

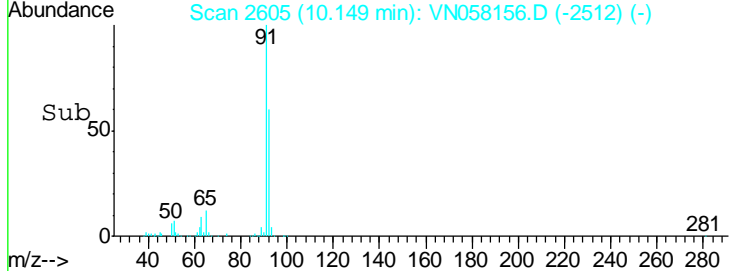
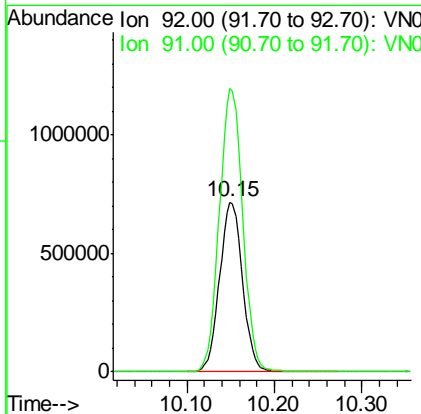
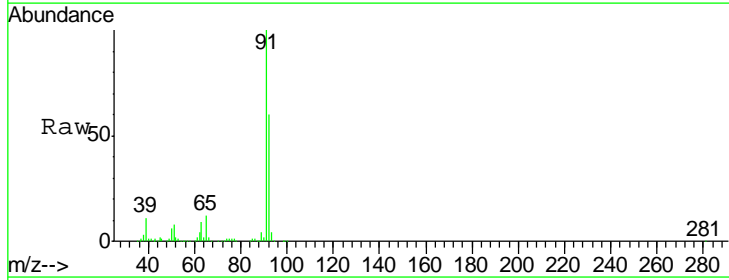
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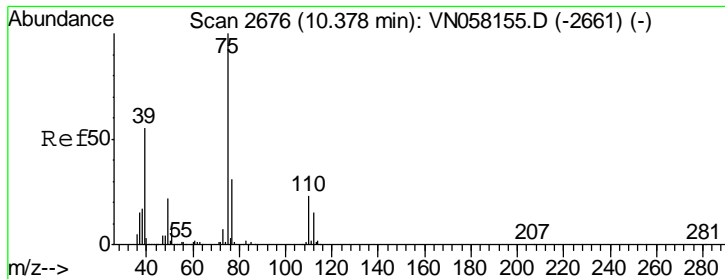


#52
 Toluene
 Concen: 65.451 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 92 Resp: 1300349

Ion	Ratio	Lower	Upper
92	100		
91	170.5	140.2	210.2





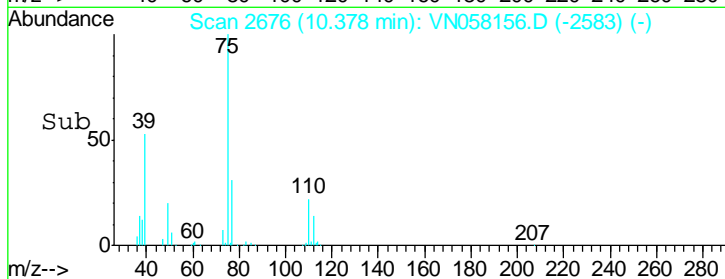
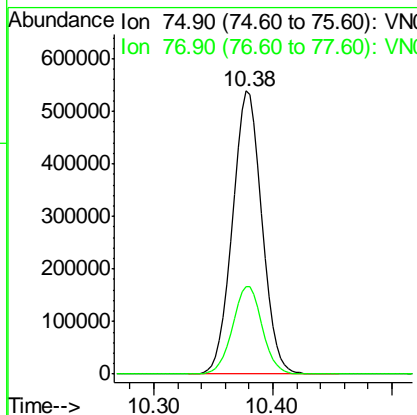
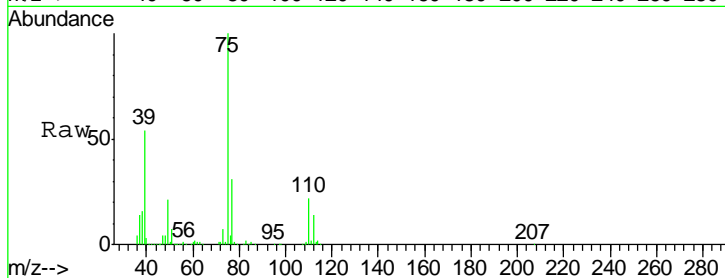
#53
 t-1,3-Dichloropropene
 Concen: 79.118 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.1	24.9	37.3

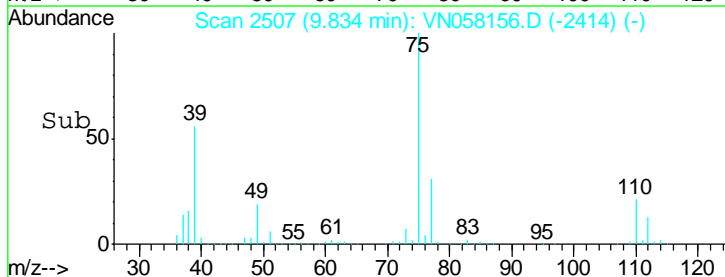
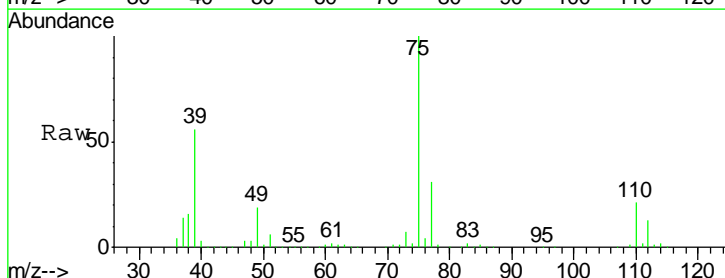
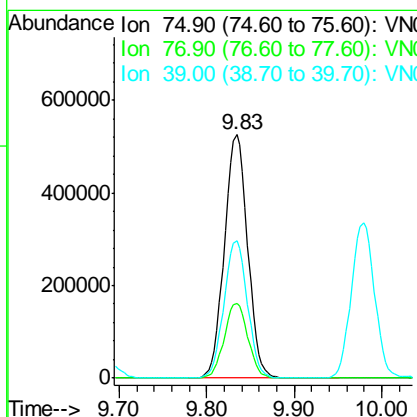
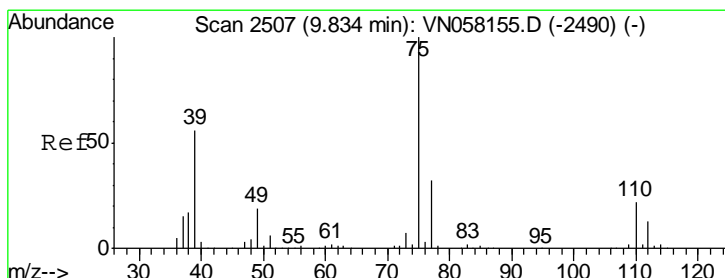
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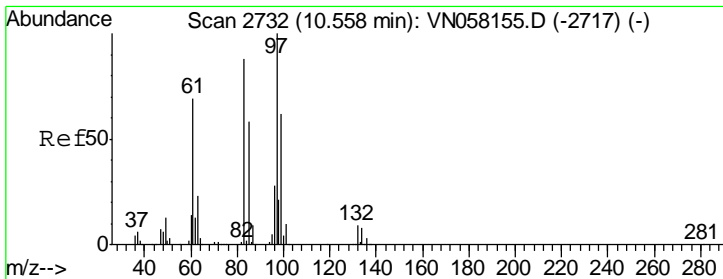
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#54
 cis-1,3-Dichloropropene
 Concen: 75.280 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
75	100		
77	30.7	25.4	38.0
39	56.2	45.0	67.6





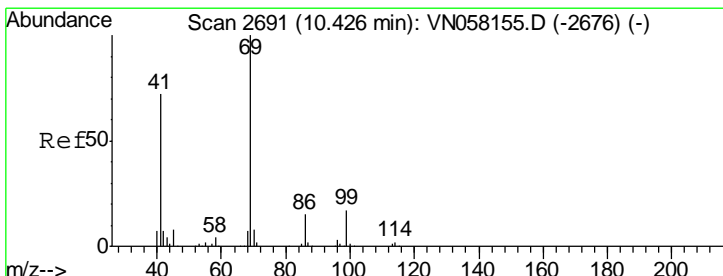
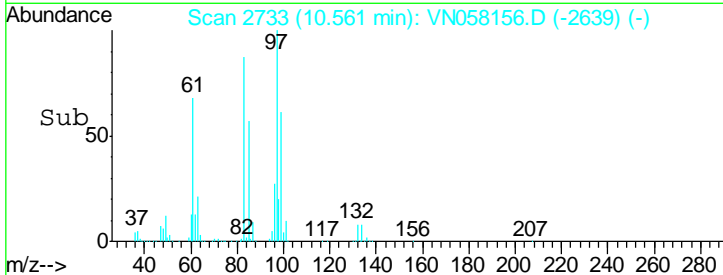
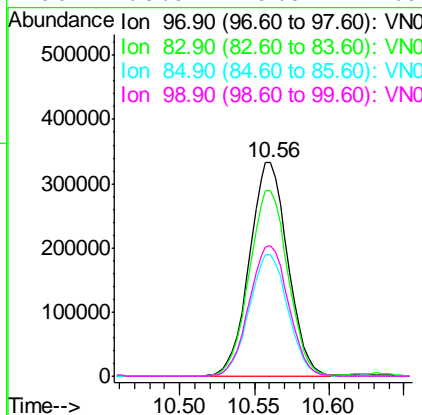
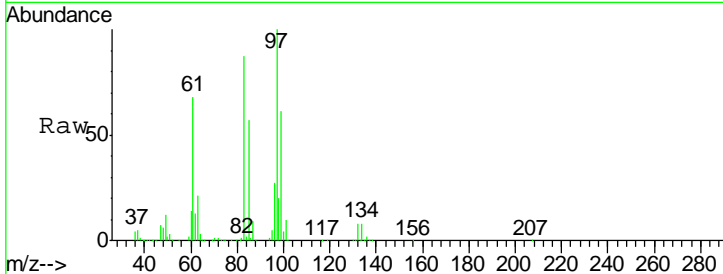
#55
 1,1,2-Trichloroethane
 Concen: 70.493 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
97	593996		
97	100		
83	87.2	70.4	105.6
85	56.7	46.8	70.2
99	60.9	49.9	74.9

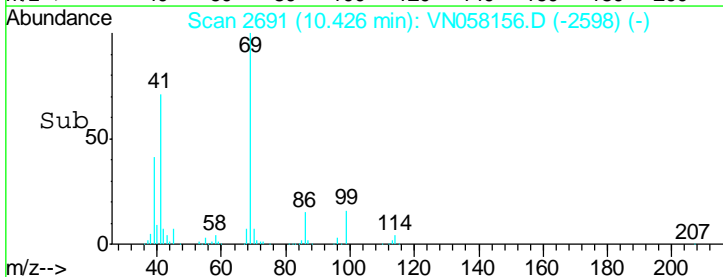
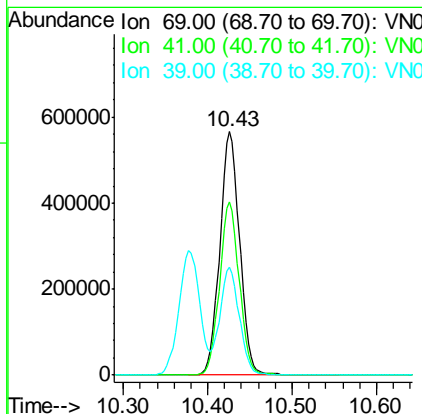
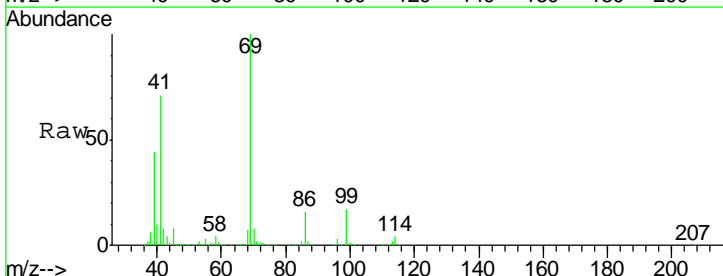
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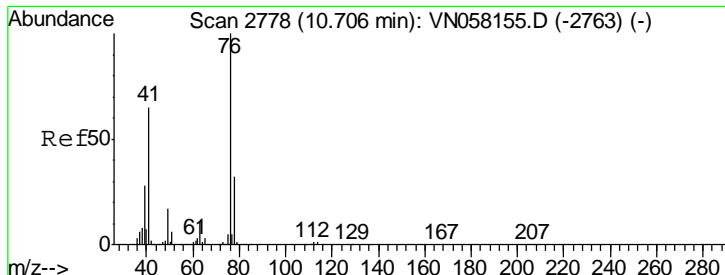
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#56
 Ethyl methacrylate
 Concen: 73.196 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
69	924047		
69	100		
41	70.1	57.5	86.3
39	43.5	36.1	54.1





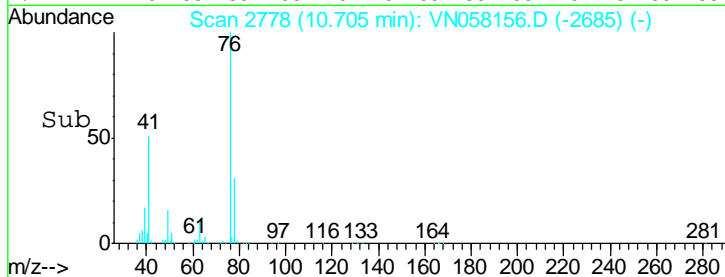
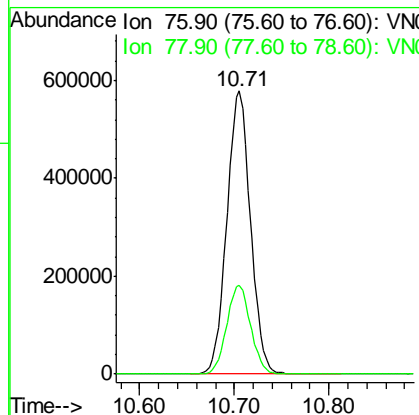
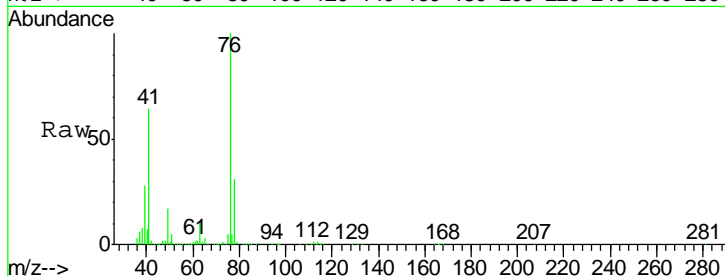
#57
 1,3-Dichloropropane
 Concen: 68.979 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	1001992		
76	100		
78	31.9	25.4	38.0

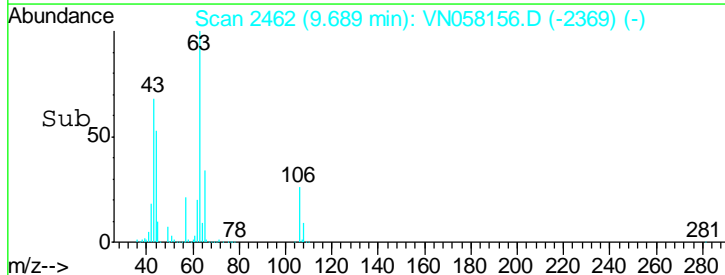
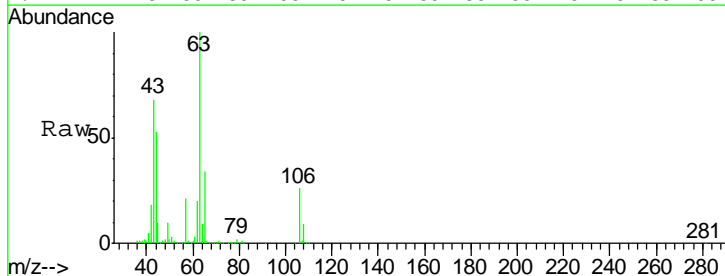
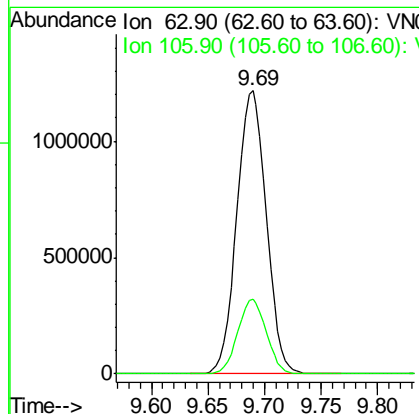
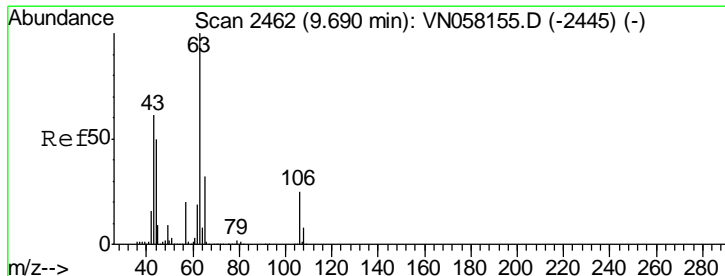
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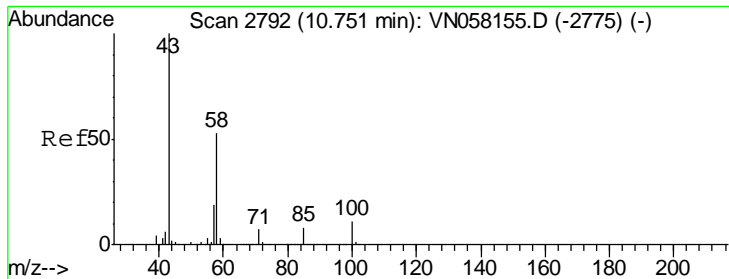
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#58
 2-Chloroethyl Vinyl ether
 Concen: 375.198 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
63	2209753		
63	100		
106	25.6	19.9	29.9





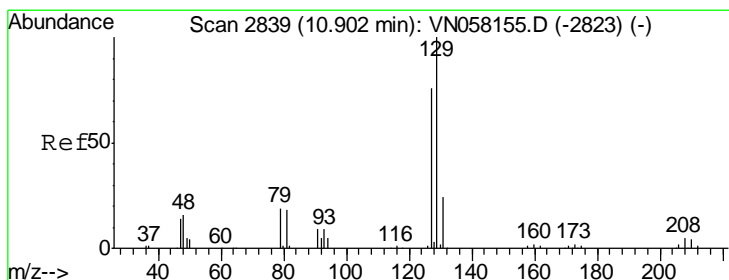
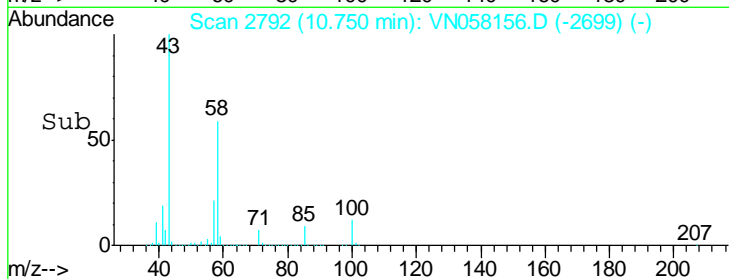
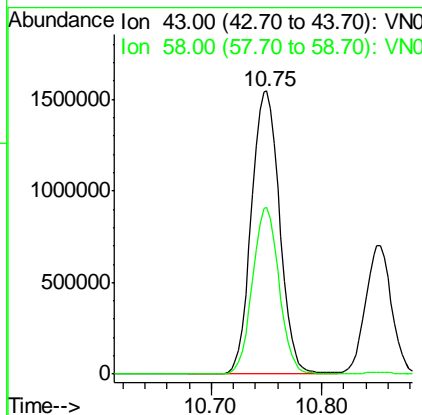
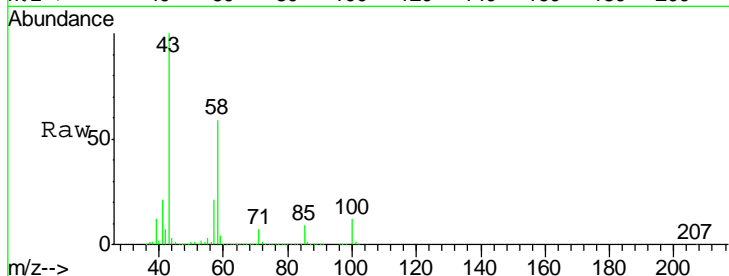
#59
 2-Hexanone
 Concen: 341.928 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.6	26.0	78.0

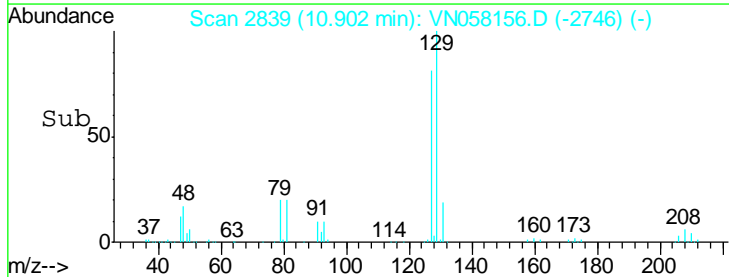
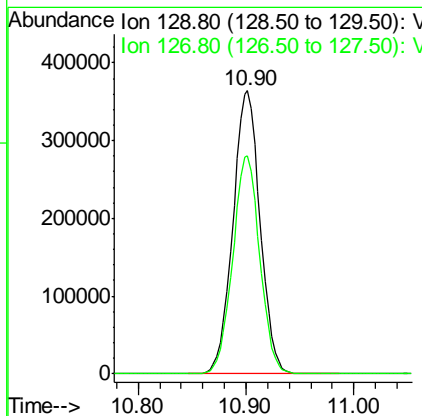
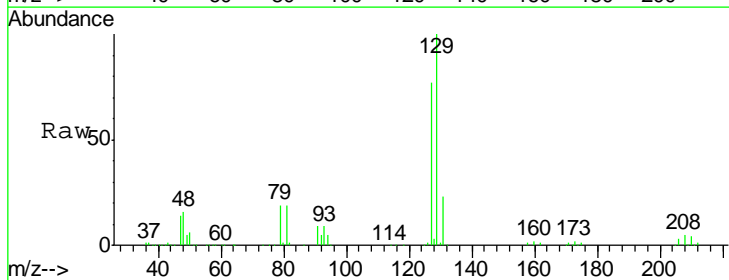
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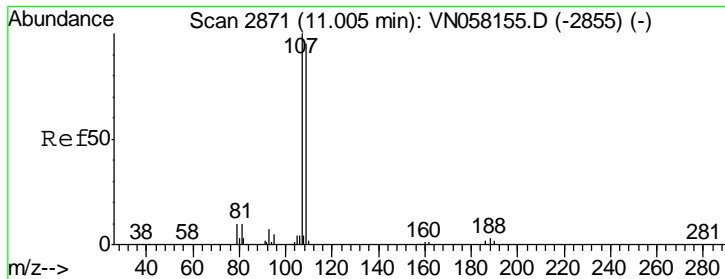
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#60
 Dibromochloromethane
 Concen: 81.838 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.6	38.7	116.1





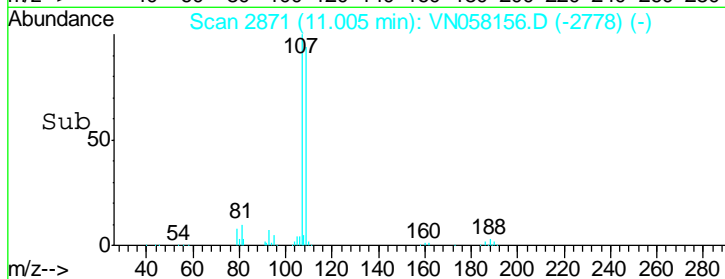
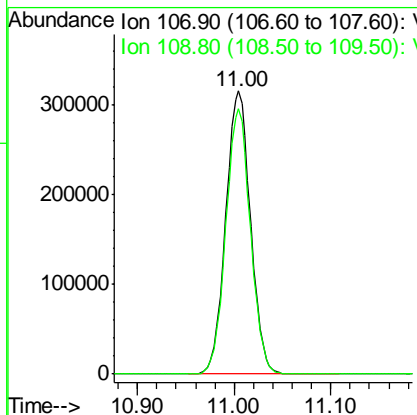
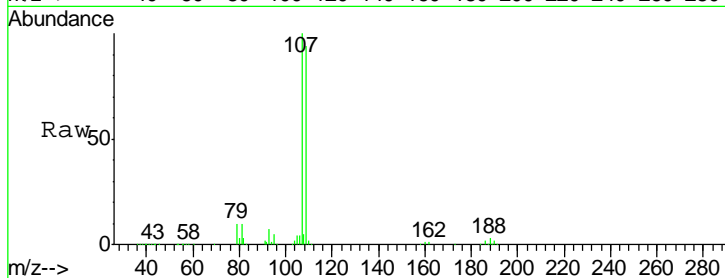
#61
 1,2-Dibromoethane
 Concen: 70.452 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.5	75.4	113.2

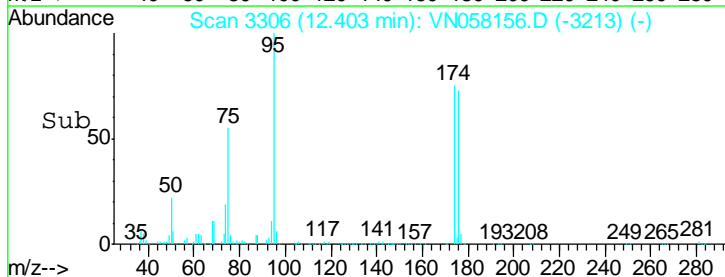
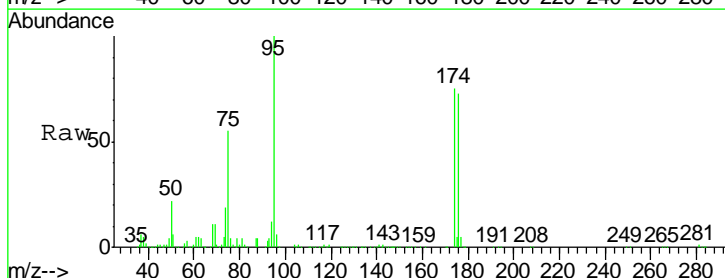
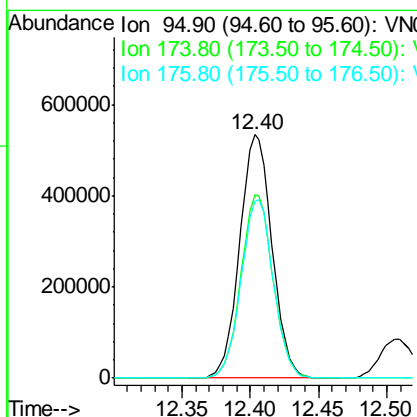
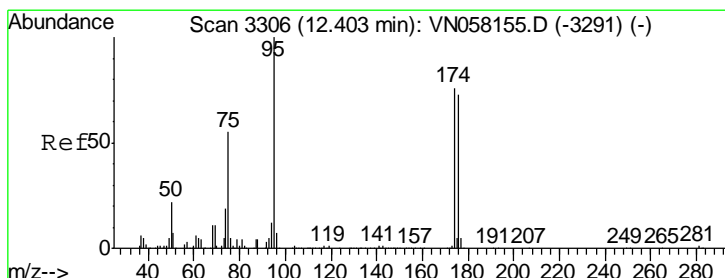
Manual Integrations
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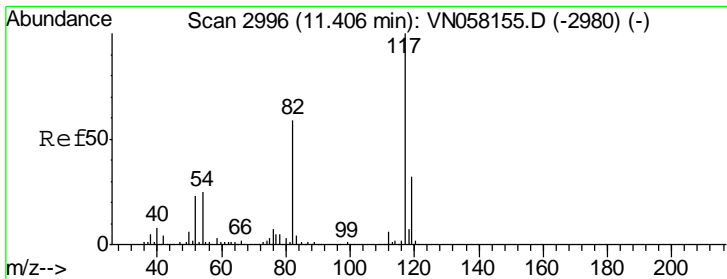
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#62
 4-Bromofluorobenzene
 Concen: 70.728 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

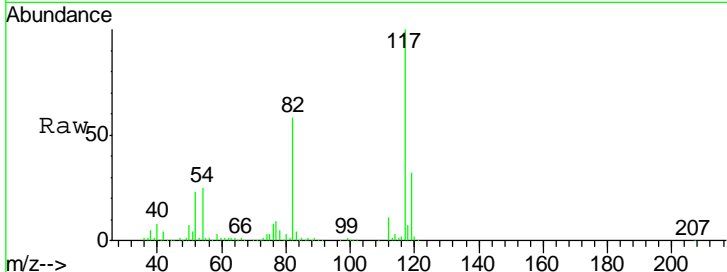
Tgt Ion	Resp	Lower	Upper
95	100		
174	74.9	0.0	152.2
176	73.2	0.0	148.0





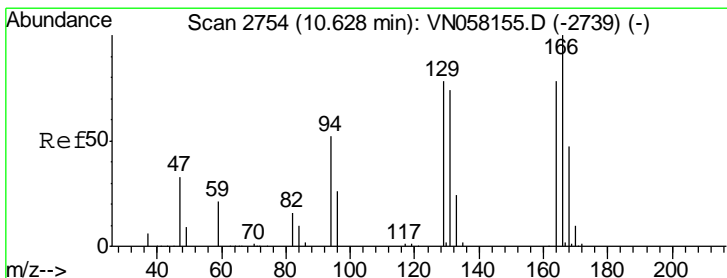
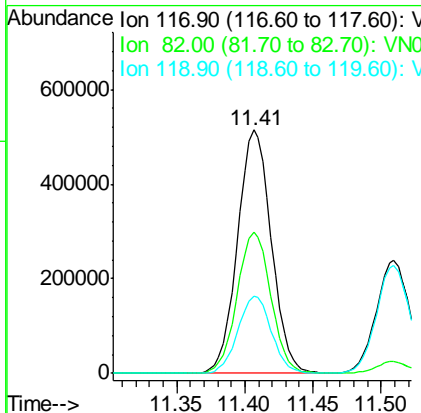
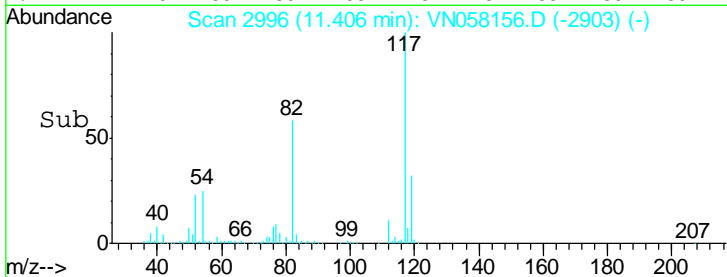
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

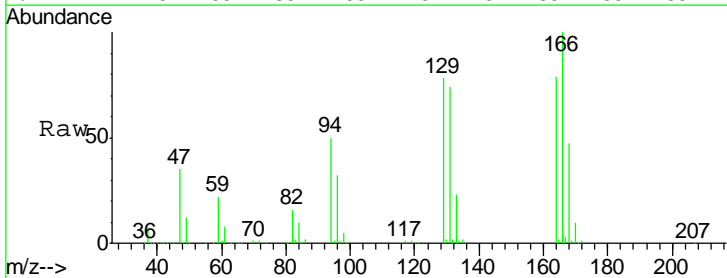


Tgt Ion	Resp	Lower	Upper
117	100		
82	58.2	46.9	70.3
119	31.7	25.3	37.9

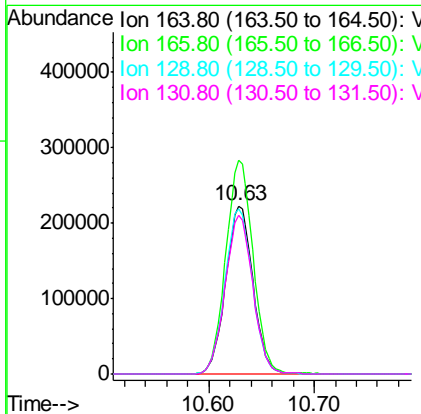
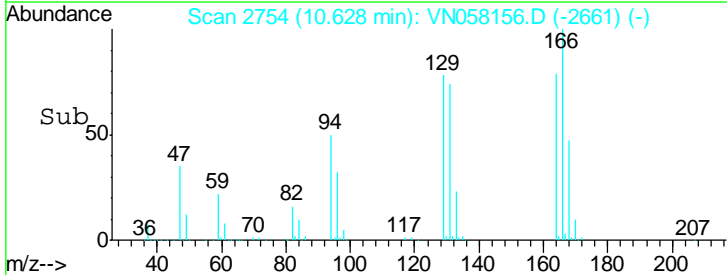
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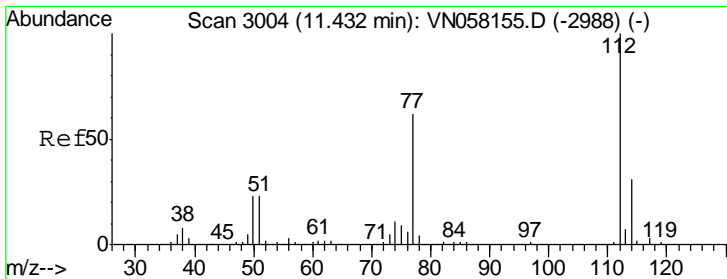


#64
 Tetrachloroethene
 Concen: 64.399 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49



Tgt Ion	Resp	Lower	Upper
164	100		
166	127.1	102.2	153.4
129	98.5	79.6	119.4
131	94.2	76.0	114.0





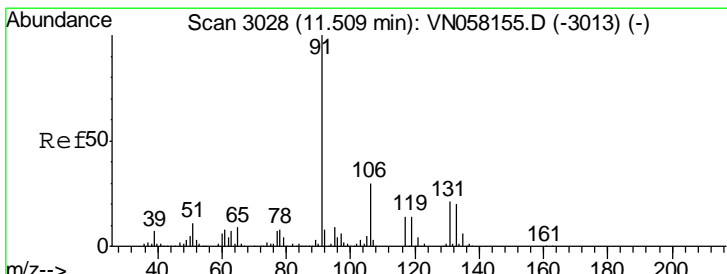
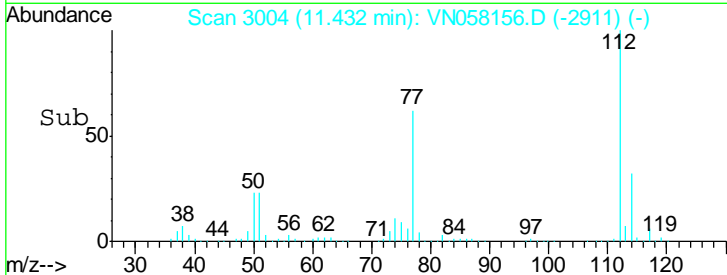
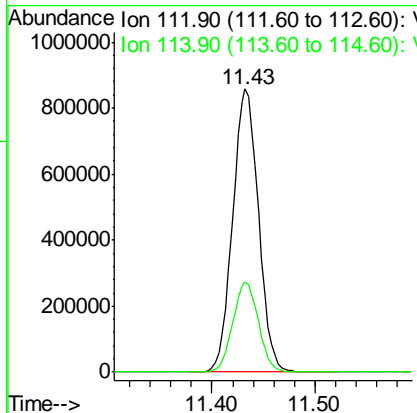
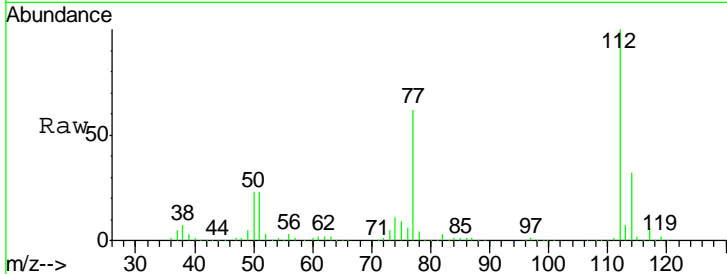
#65
 Chlorobenzene
 Concen: 68.633 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion: 112 Resp: 1494114

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

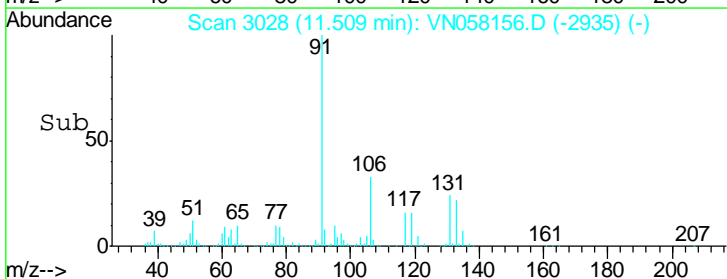
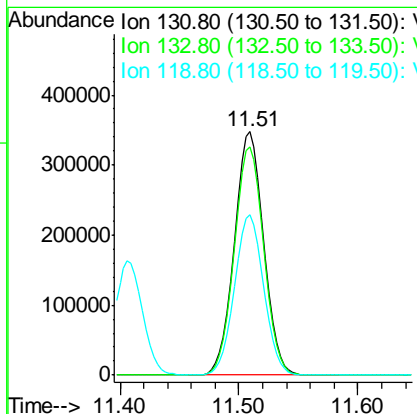
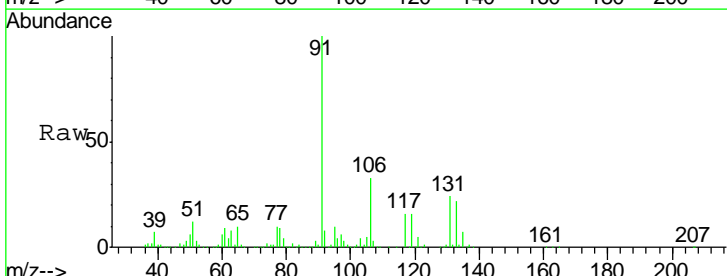
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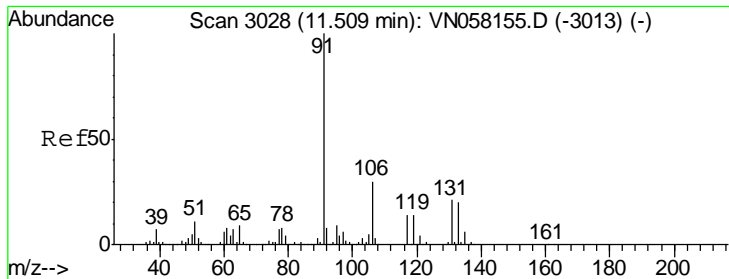


#66
 1,1,1,2-Tetrachloroethane
 Concen: 78.203 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 131 Resp: 592228

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.8	143.3
119	65.8	33.1	99.3





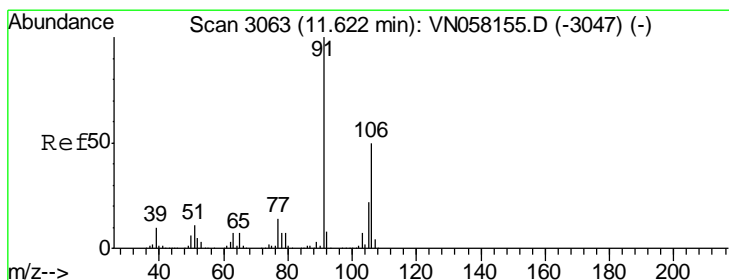
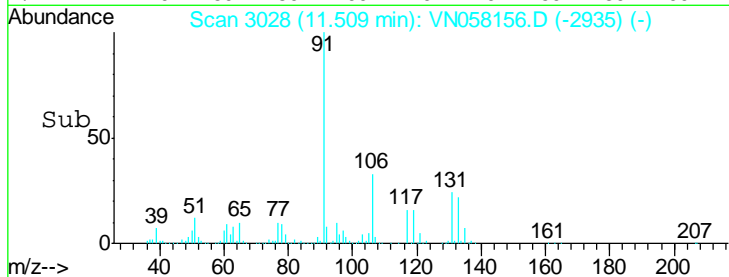
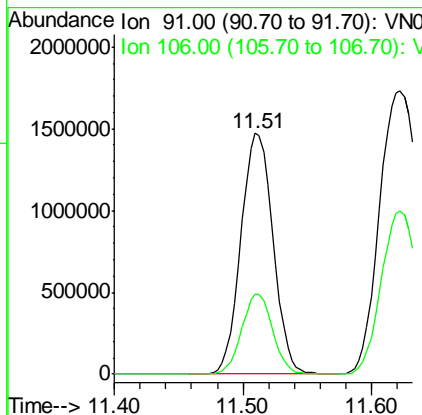
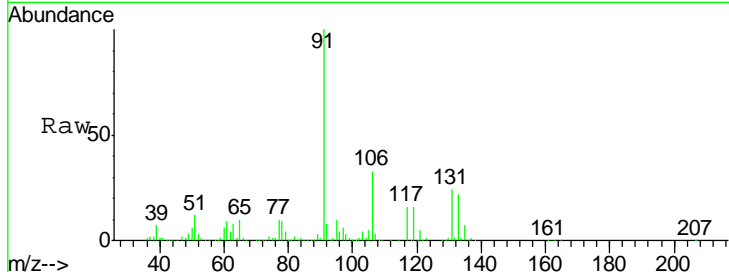
#67
Ethyl Benzene
Concen: 67.107 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
106	33.5	24.0	36.0

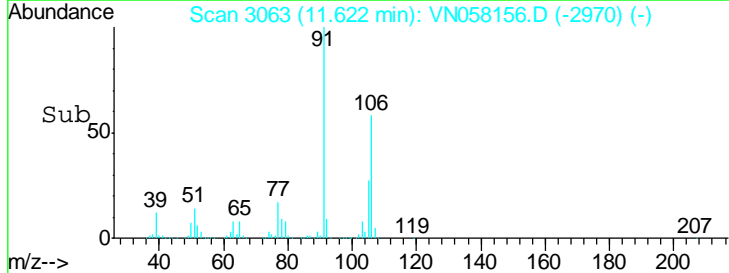
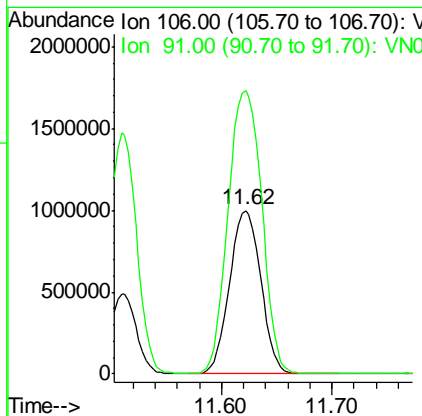
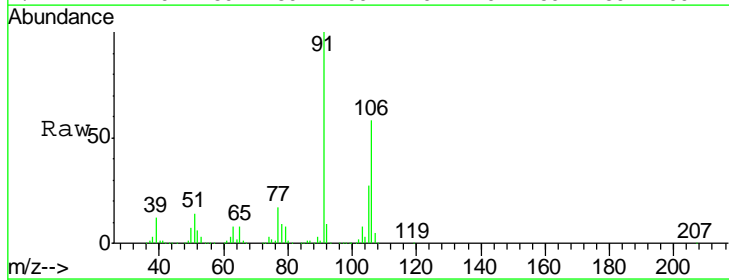
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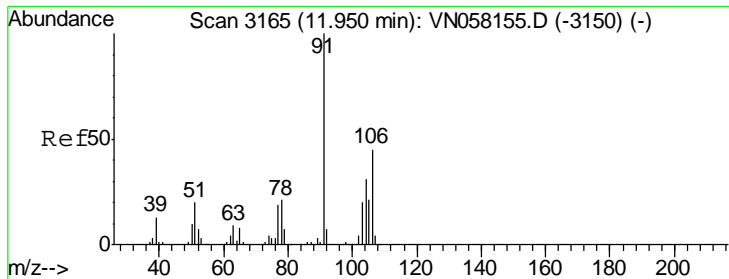
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#68
m/p-Xylenes
Concen: 140.729 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
106	100		
91	187.2	163.6	245.4





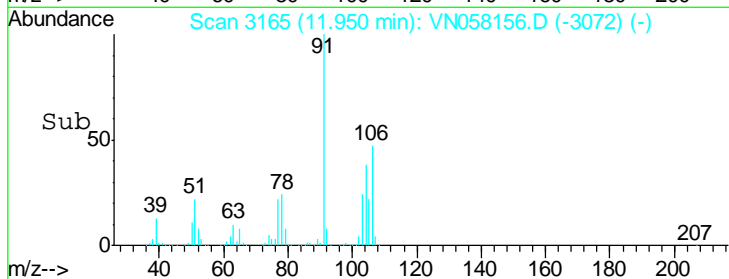
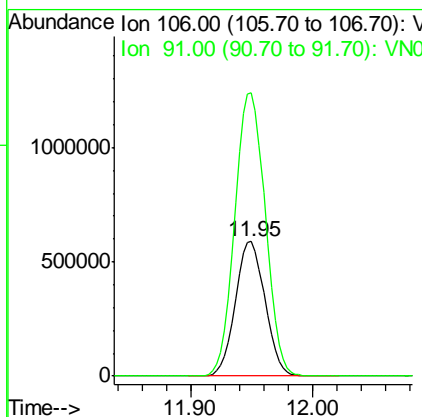
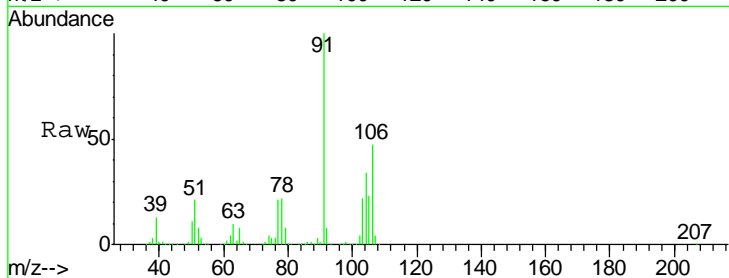
#69
 o-Xylene
 Concen: 71.679 ug/l
 RT: 11.95 min Scan# 3165
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
106	991435		
106	100		
91	215.9	111.8	335.3

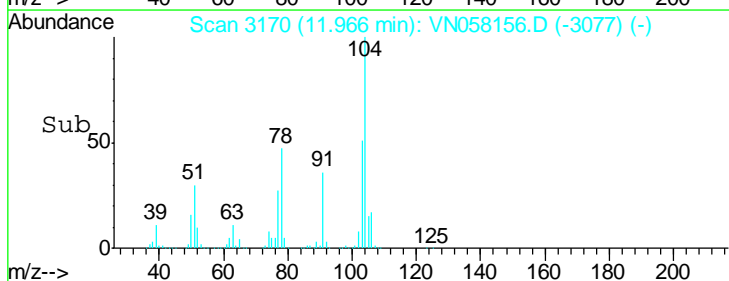
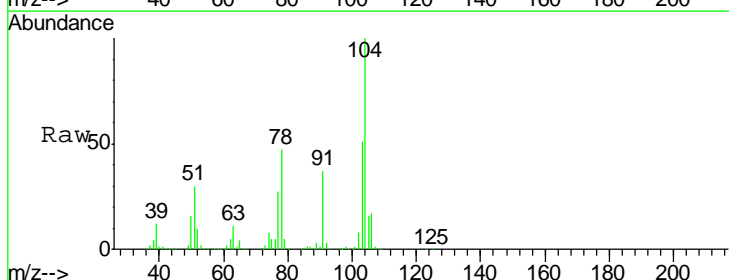
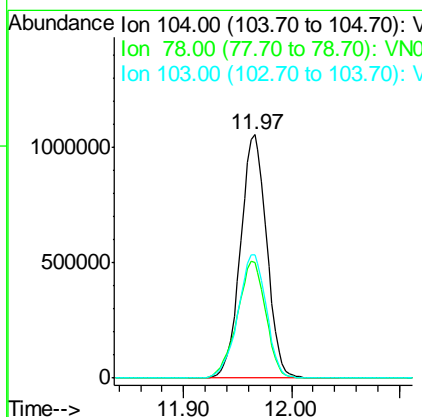
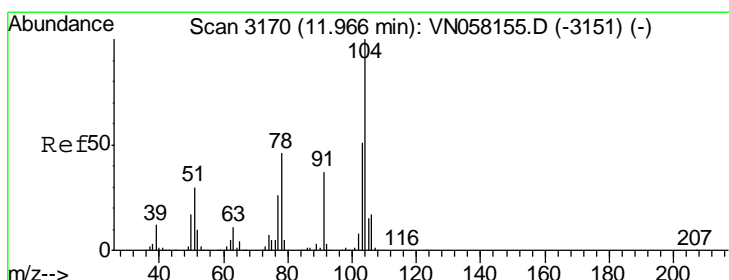
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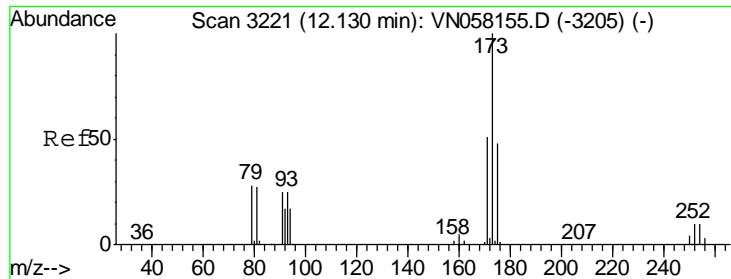
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#70
 Styrene
 Concen: 74.862 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
104	1781686		
104	100		
78	52.4	41.8	62.8
103	55.0	44.2	66.2





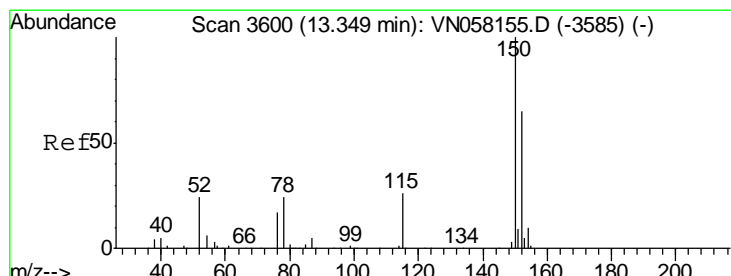
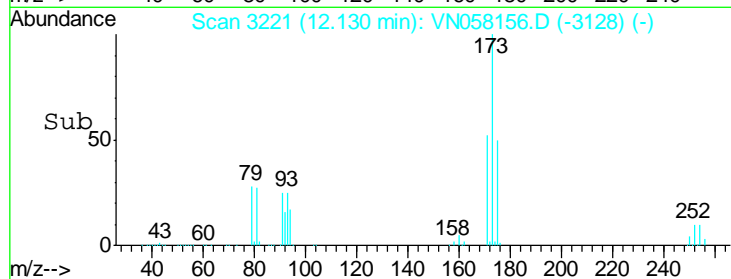
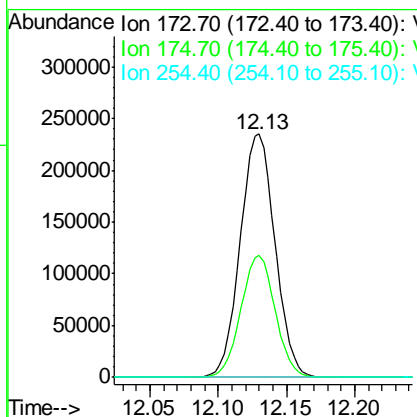
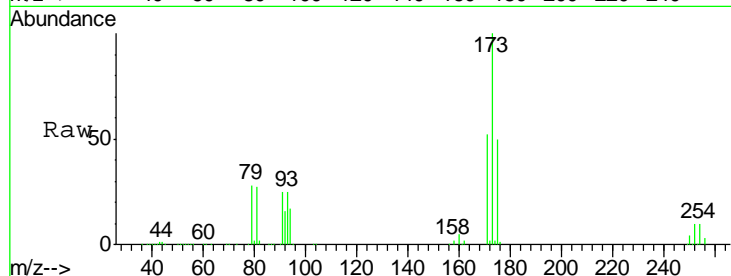
#71
 Bromoform
 Concen: 88.512 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.0	0.1	0.1

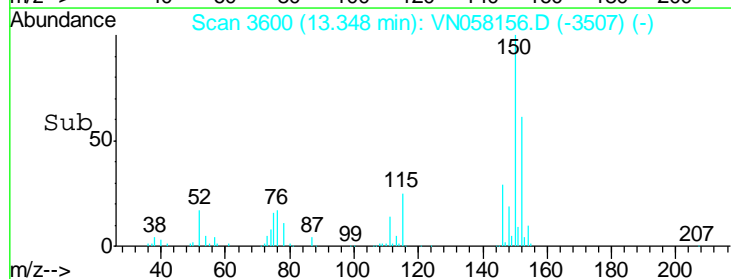
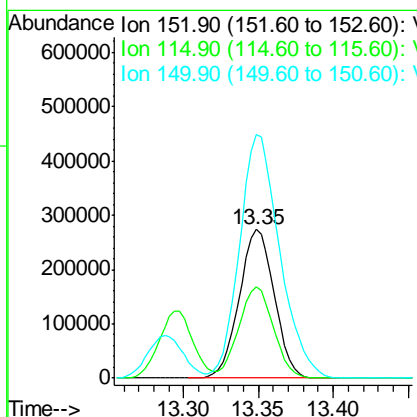
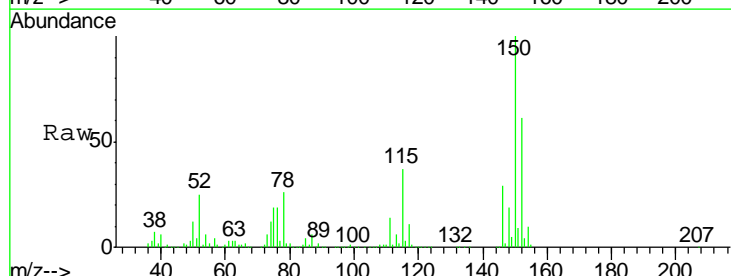
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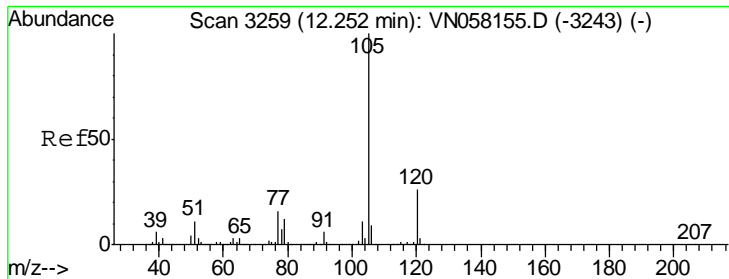
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
152	100		
115	61.0	30.1	90.3
150	188.0	0.0	346.4





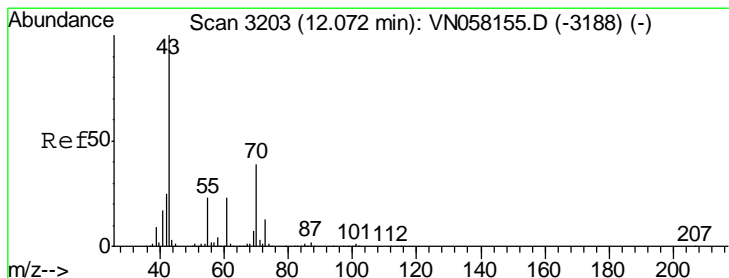
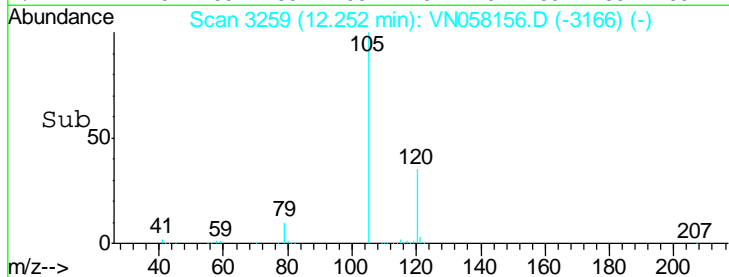
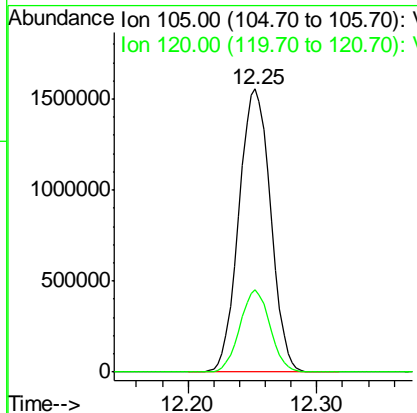
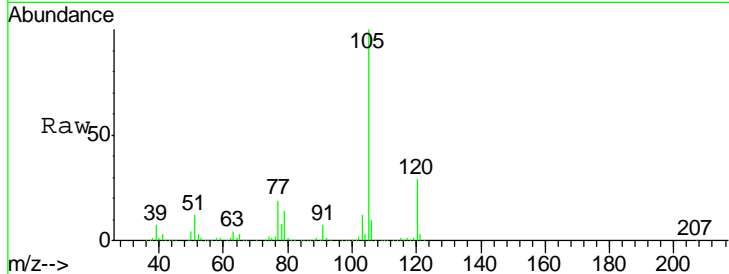
#73
 Isopropylbenzene
 Concen: 79.855 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
105	100		
120	27.4	12.8	38.3

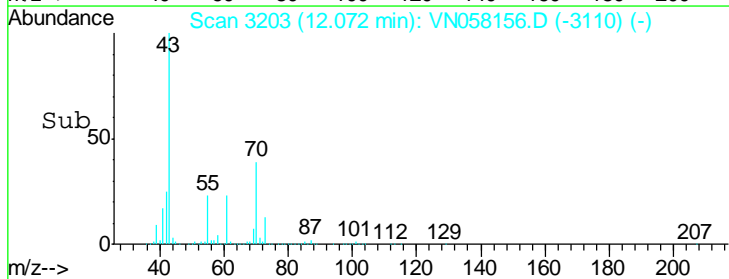
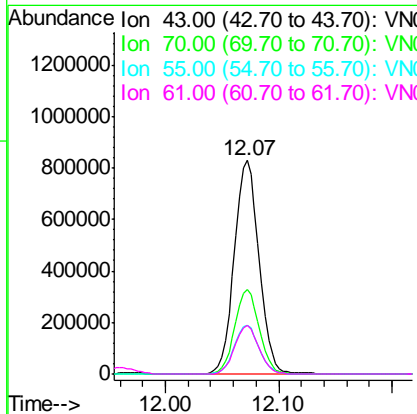
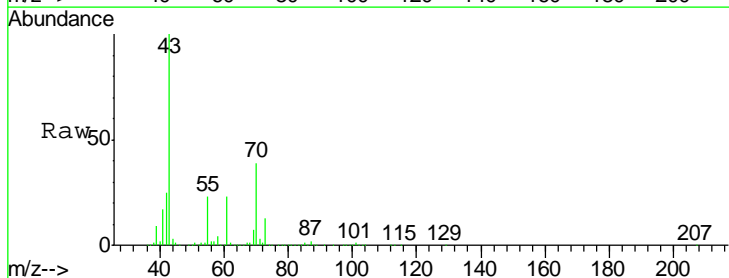
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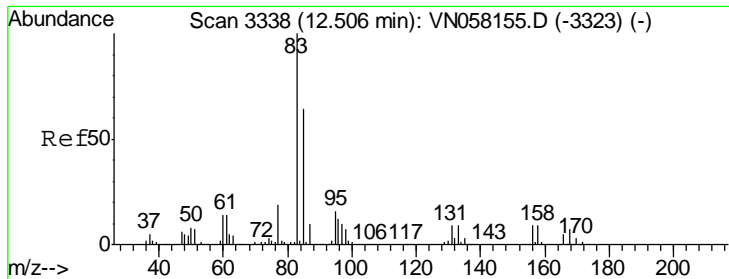
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#74
 N-nyl acetate
 Concen: 87.315 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
43	100		
70	39.4	31.0	46.6
55	23.0	18.5	27.7
61	22.5	18.2	27.2





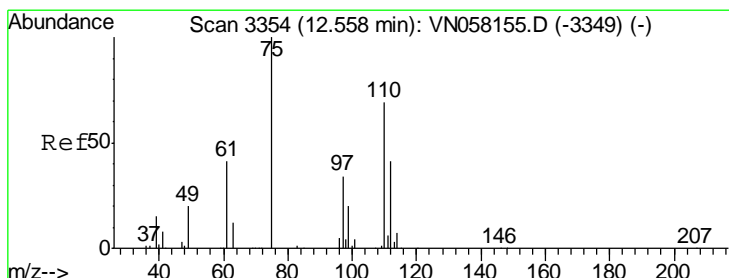
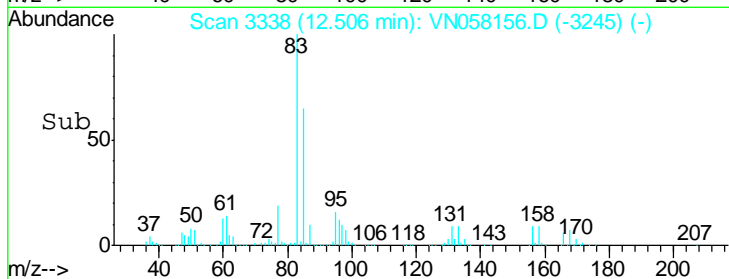
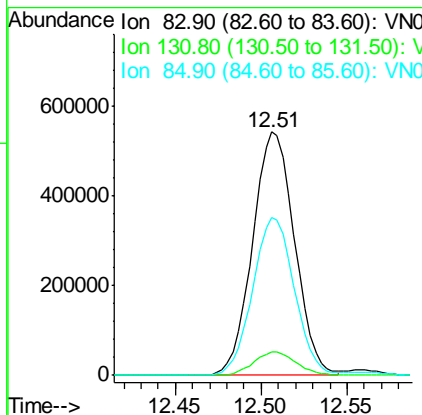
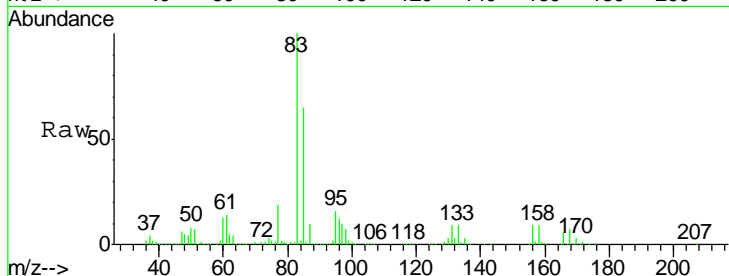
#75
 1,1,2,2-Tetrachloroethane
 Concen: 81.649 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	64.3	31.9	95.5

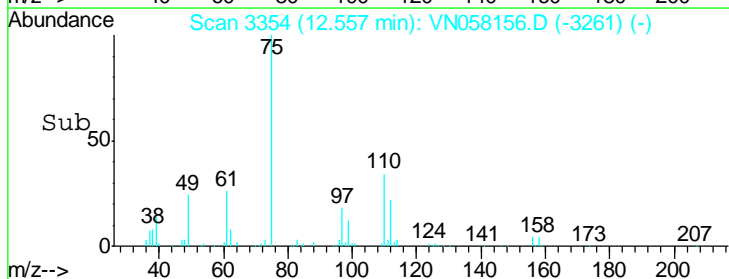
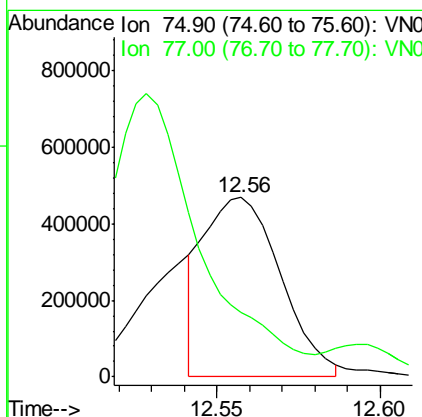
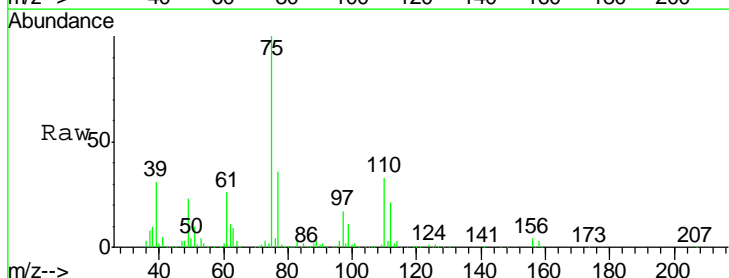
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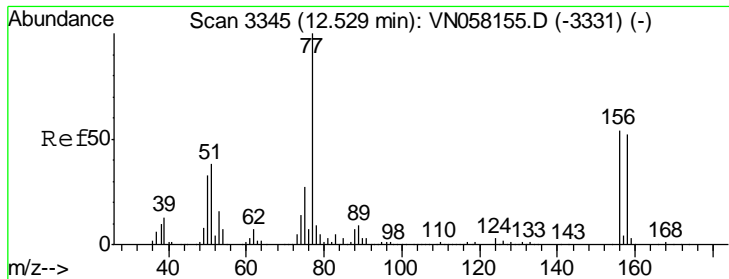
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#76
 1,2,3-Trichloropropane
 Concen: 79.278 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





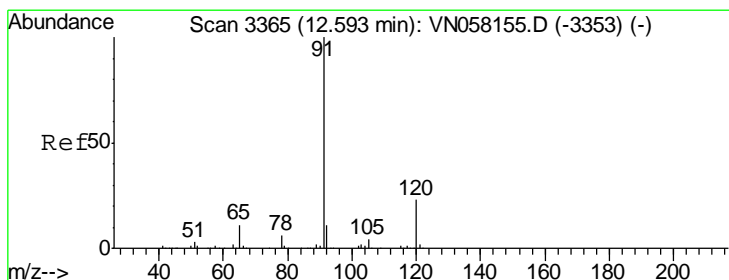
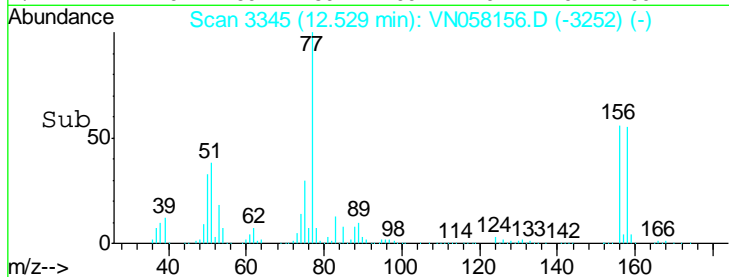
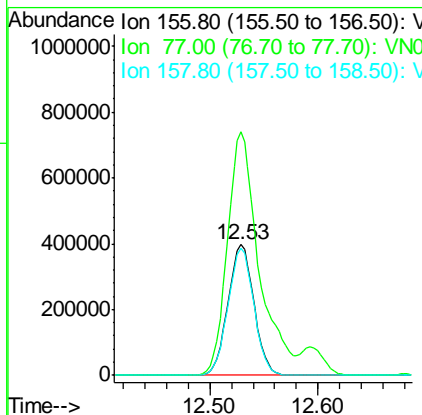
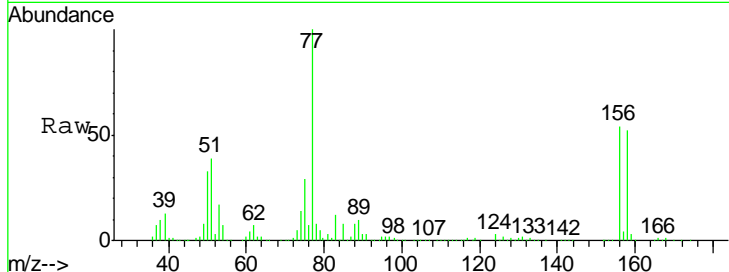
#77
 Bromobenzene
 Concen: 79.572 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
156	665518		
156	100		
77	226.5	111.7	335.1
158	97.3	47.9	143.8

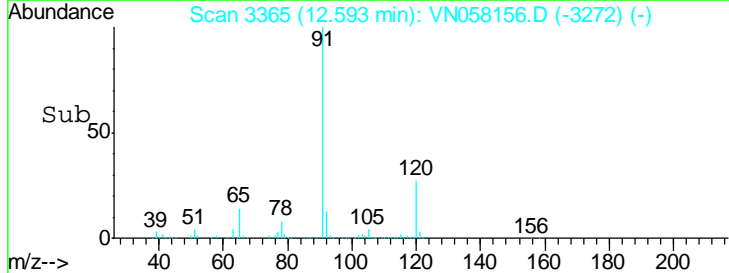
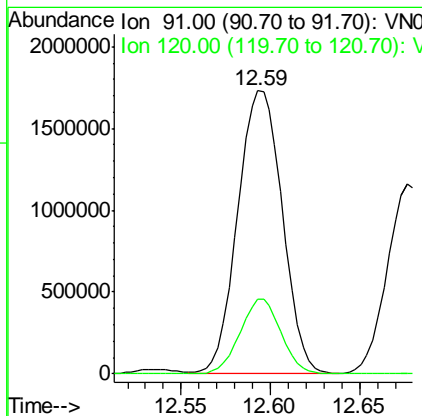
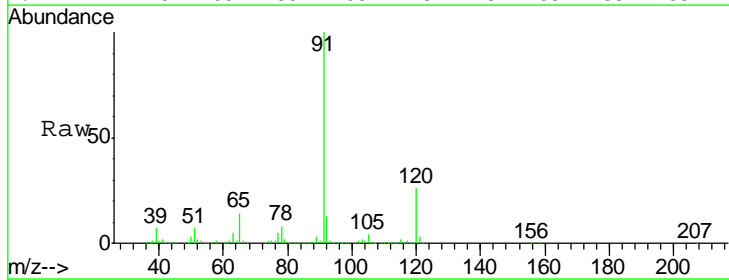
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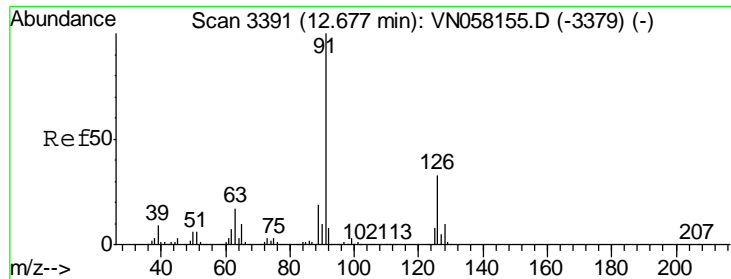
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#78
 n-propylbenzene
 Concen: 78.616 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
91	3007817		
91	100		
120	24.5	11.1	33.3





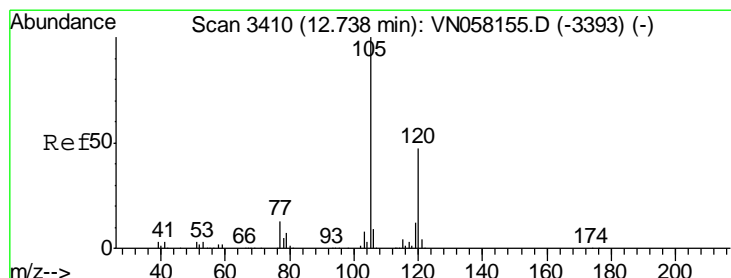
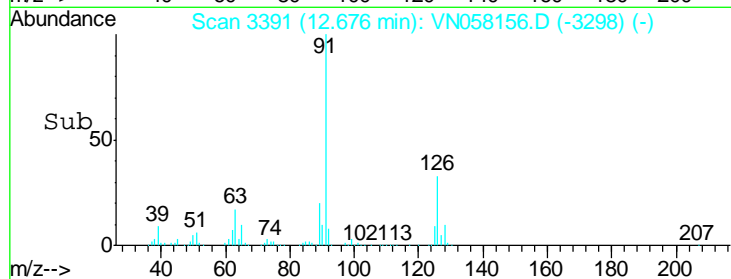
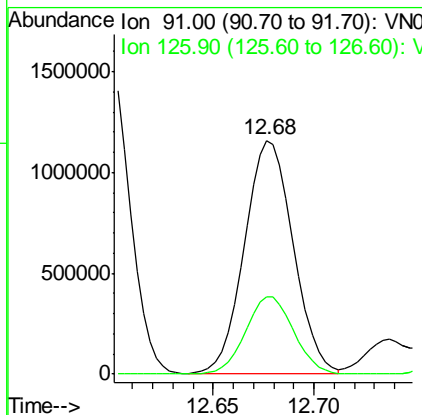
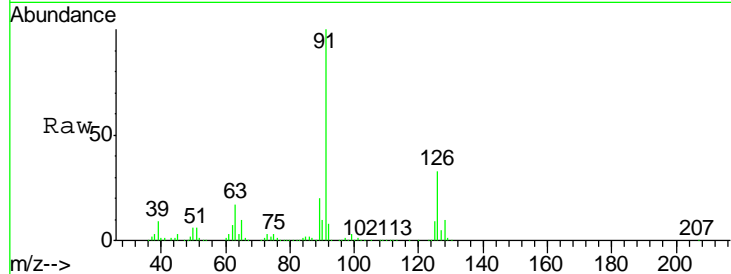
#79
 2-Chlorotoluene
 Concen: 80.434 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
126	33.0	16.4	49.1

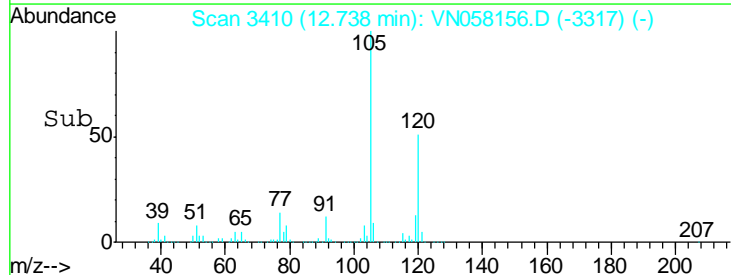
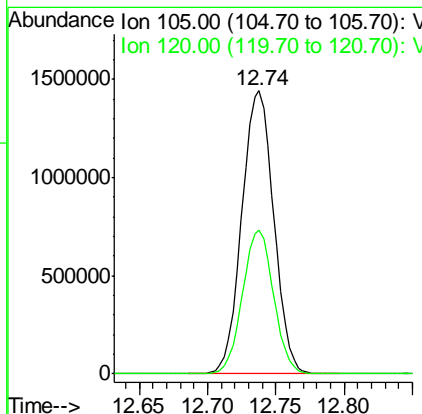
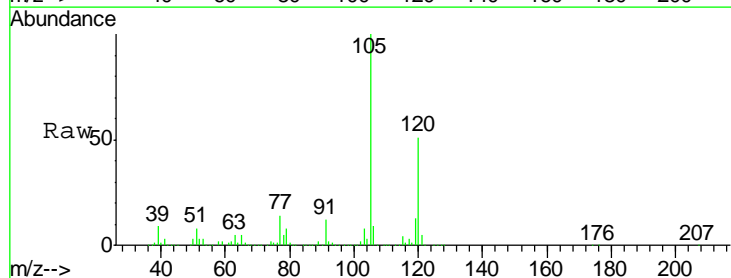
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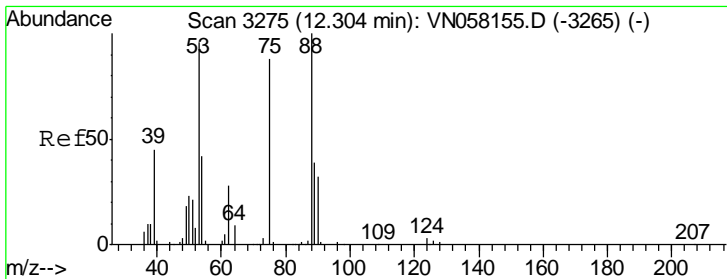
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#80
 1,3,5-Trimethylbenzene
 Concen: 82.750 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.5	23.4	70.0





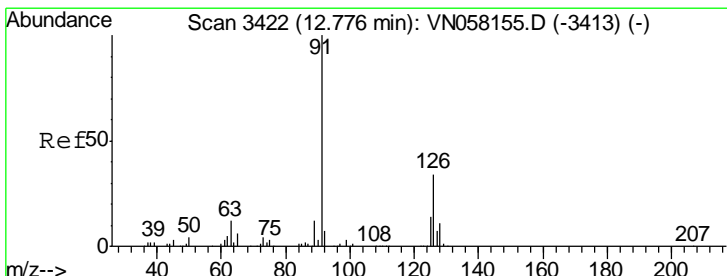
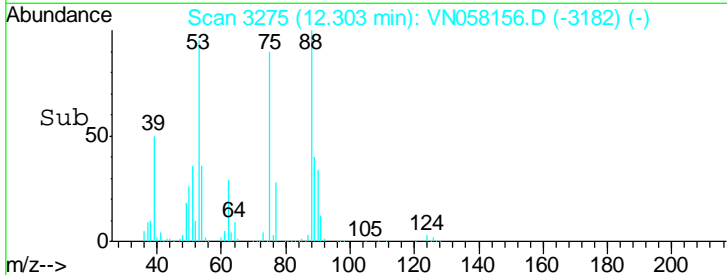
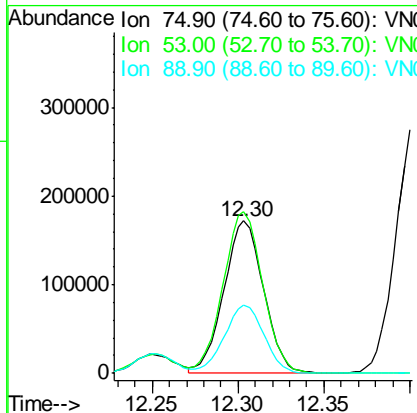
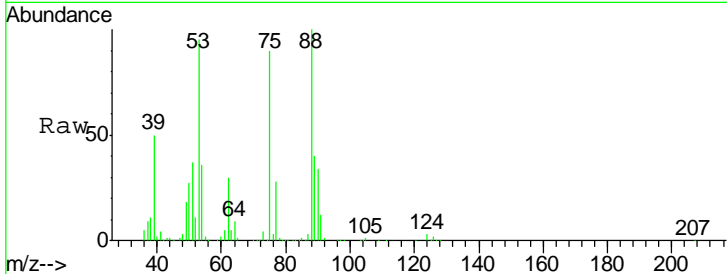
#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.486 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	274623		
75	100		
53	107.5	90.1	135.1
89	44.9	36.2	54.2

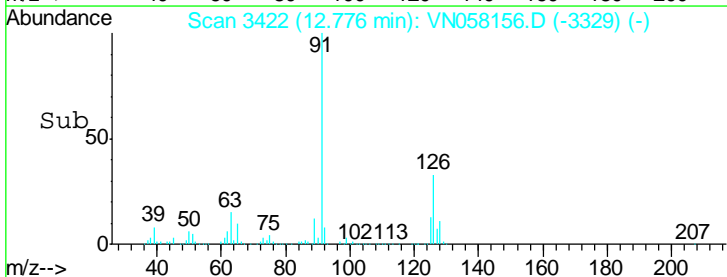
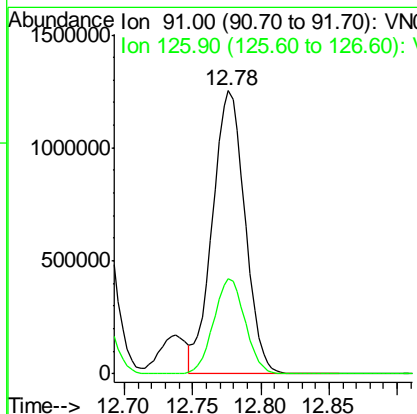
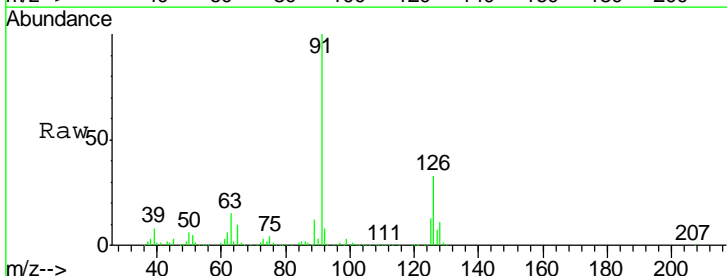
Manual Integrations
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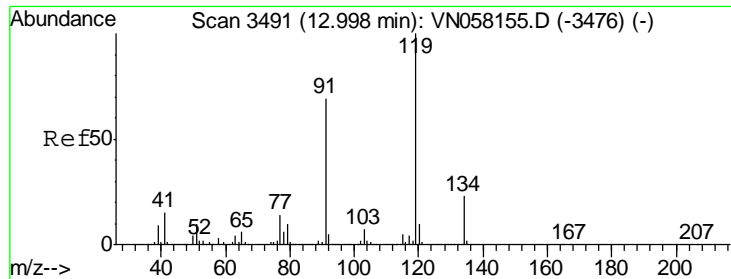
MMDadoda
 9/20/2019 1:14:29 PM



#82
 4-Chlorotoluene
 Concen: 82.881 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
91	2063558		
91	100		
126	32.6	15.7	47.1





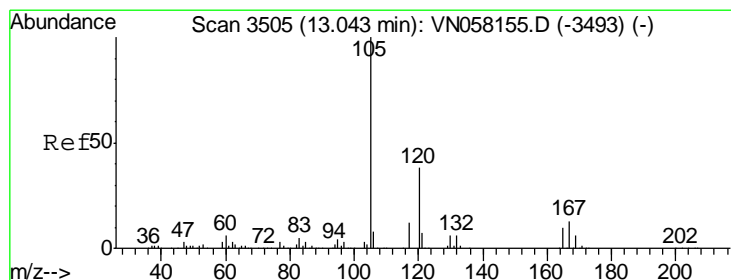
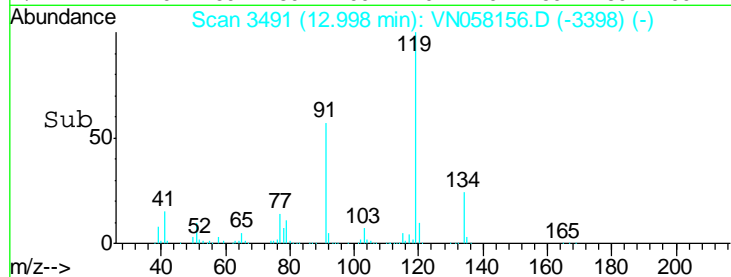
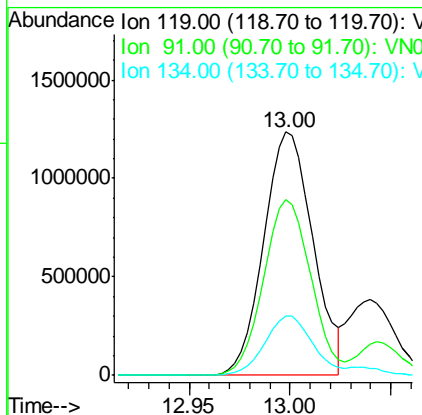
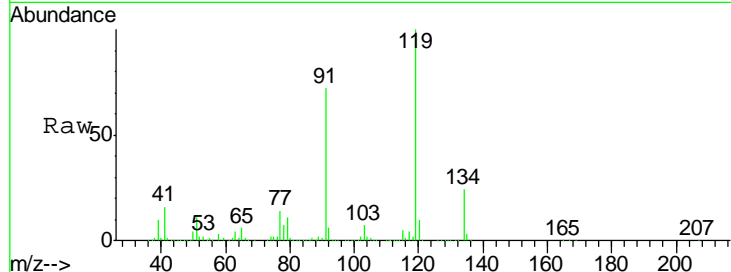
#83
 tert-Butylbenzene
 Concen: 83.452 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
119	2092875		
91	69.6	33.8	101.3
134	23.7	11.6	34.8

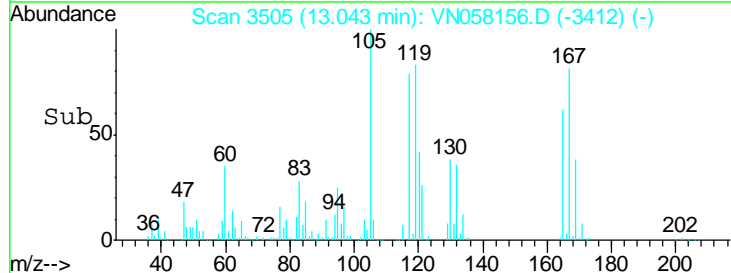
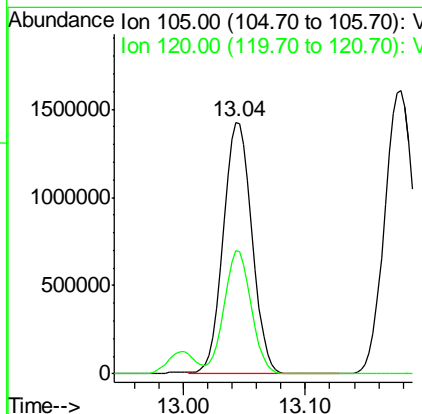
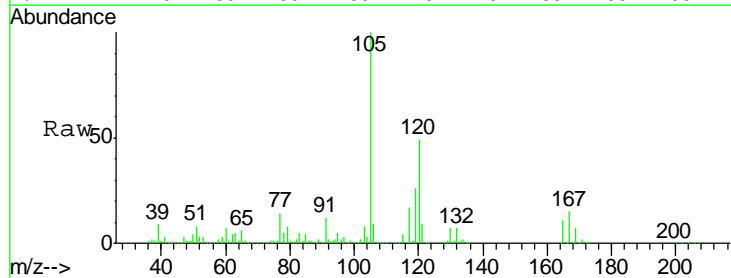
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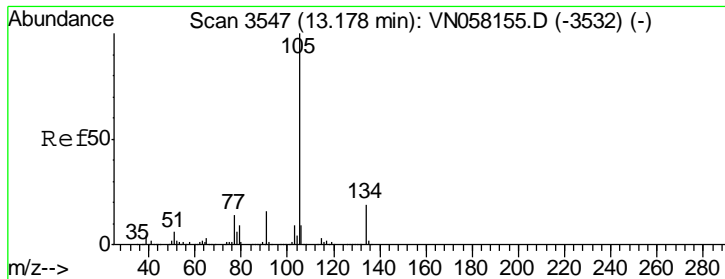
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#84
 1,2,4-Trimethylbenzene
 Concen: 82.197 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
105	2351206		
120	46.5	22.1	66.5





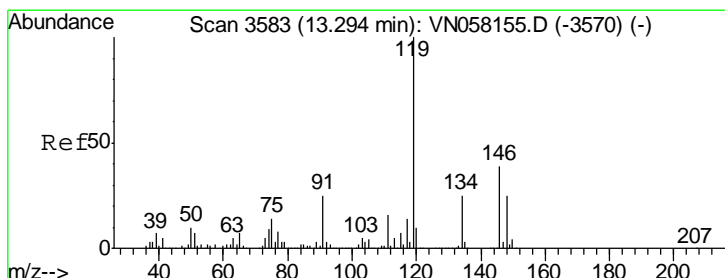
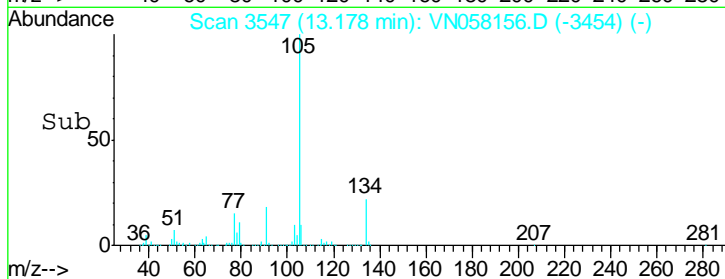
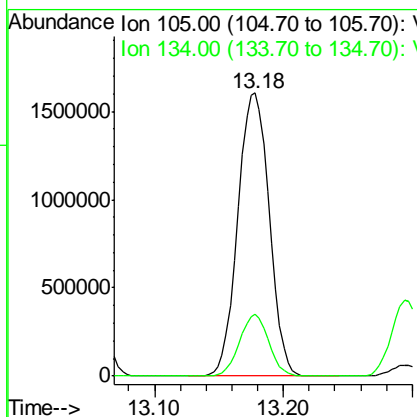
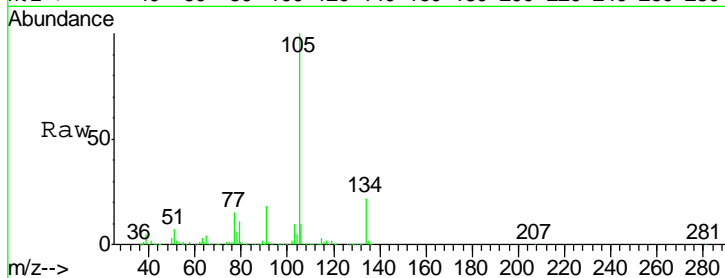
#85
 sec-Butylbenzene
 Concen: 81.758 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	2713906	100	
134	20.2	9.5	28.5

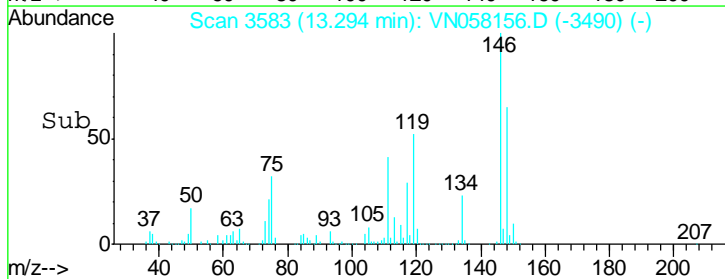
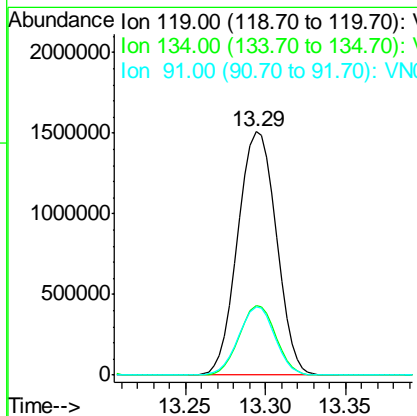
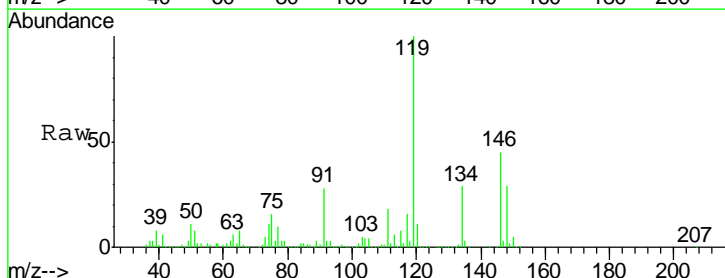
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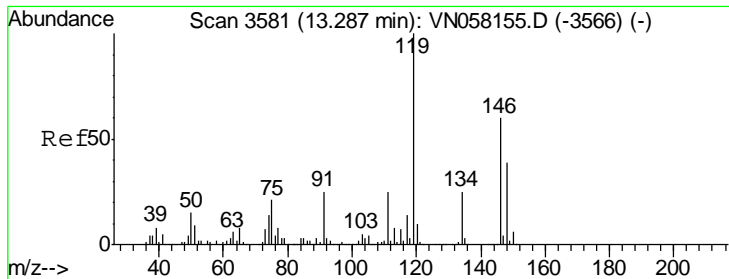
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#86
 p-Isopropyltoluene
 Concen: 84.769 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
119	2476029	100	
134	27.0	12.7	38.0
91	26.5	12.3	36.8





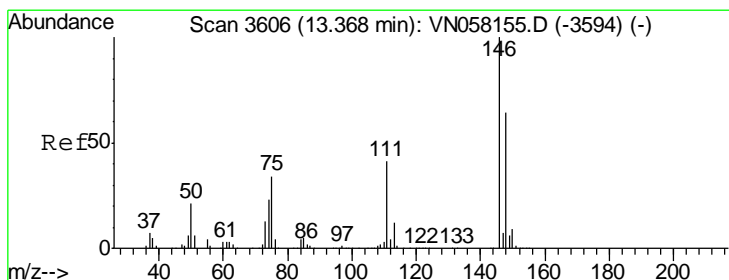
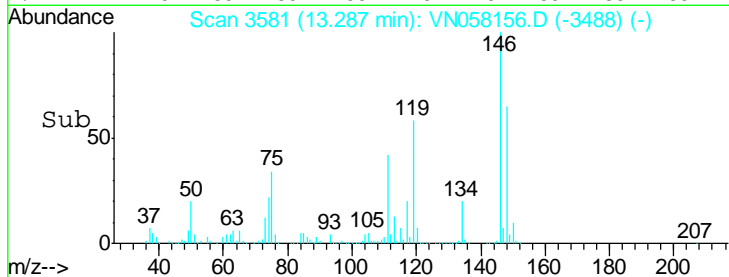
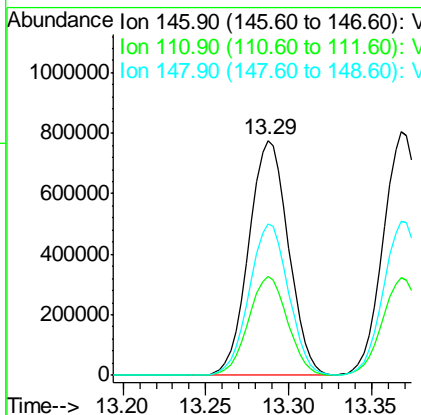
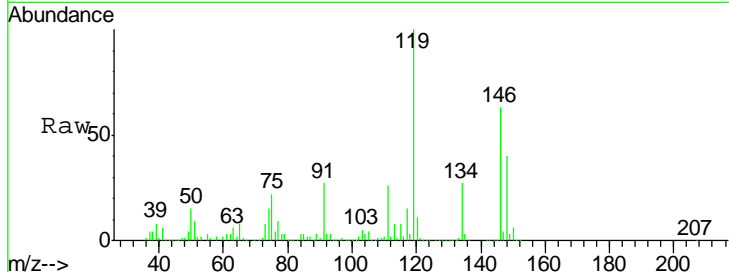
#87
 1,3-Dichlorobenzene
 Concen: 84.533 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
146	1291501		
146	100		
111	41.5	20.9	62.8
148	63.9	32.0	96.2

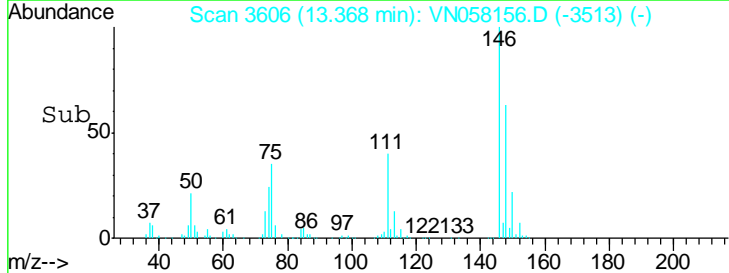
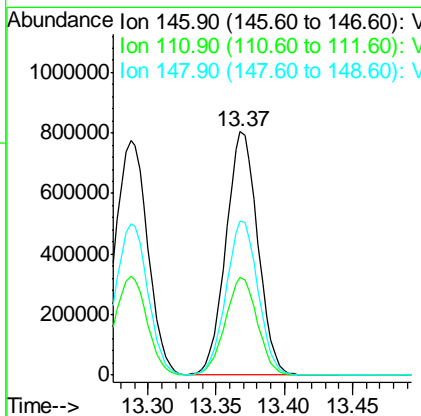
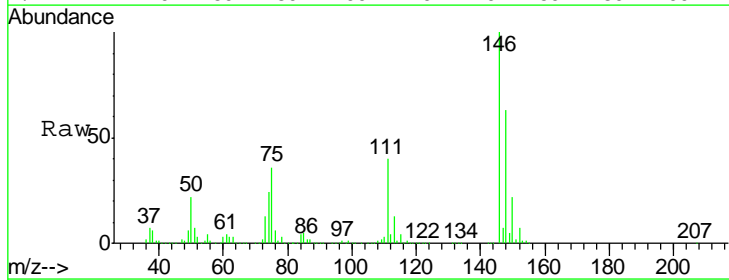
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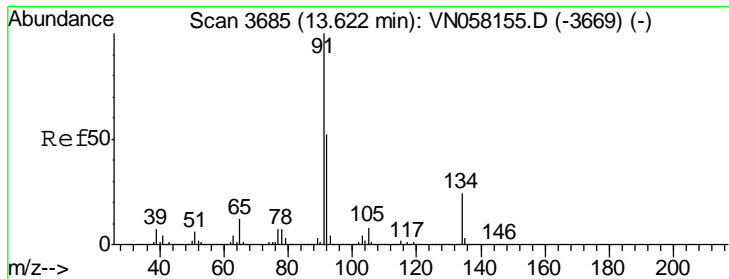
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#88
 1,4-Dichlorobenzene
 Concen: 83.806 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
146	1304176		
146	100		
111	40.1	20.5	61.5
148	63.4	31.9	95.5





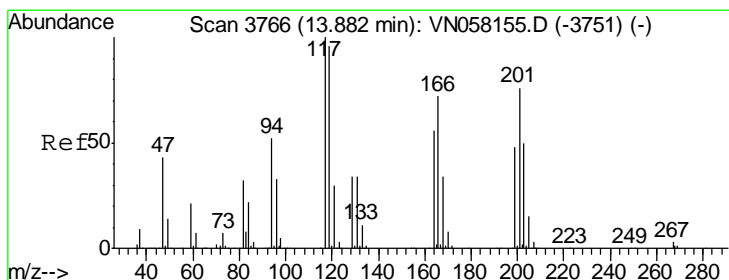
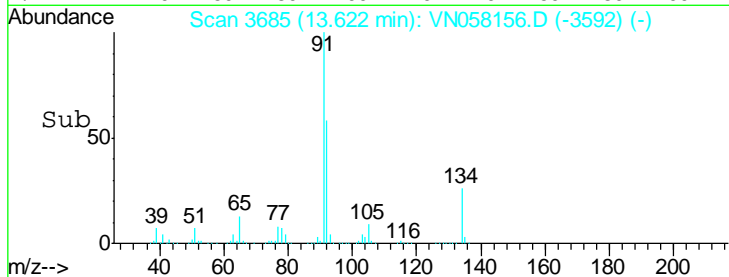
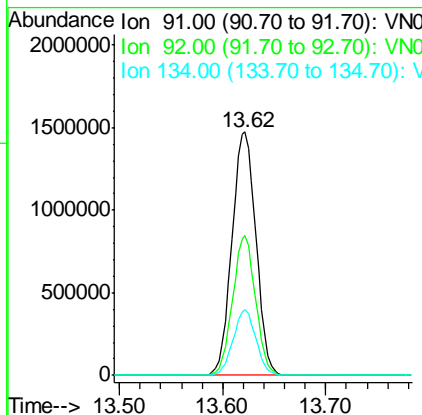
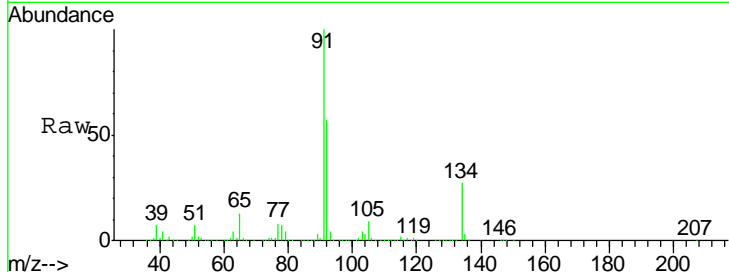
#89
 n-Butylbenzene
 Concen: 86.264 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.7	25.7	77.0
134	25.7	11.8	35.4

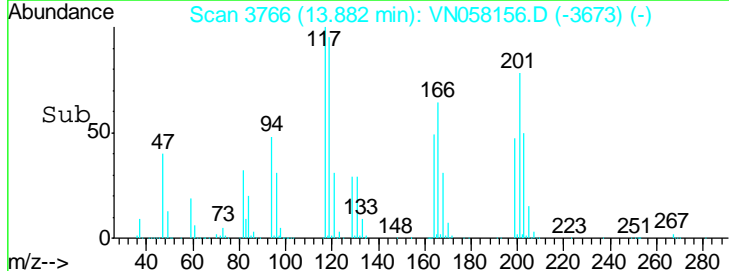
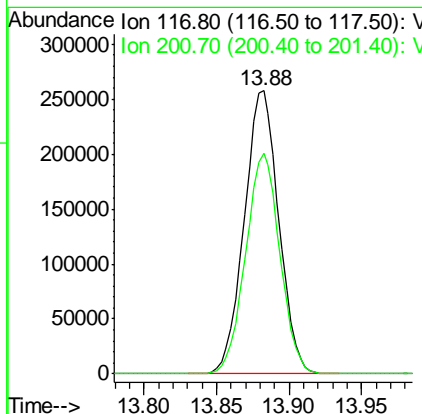
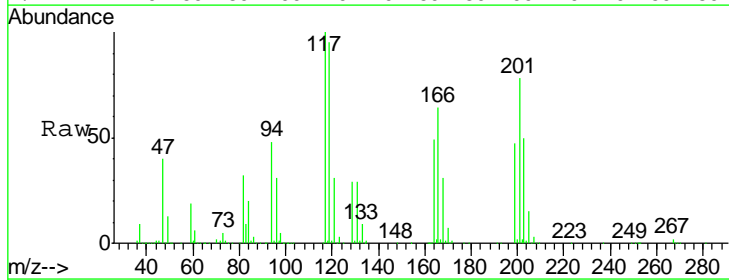
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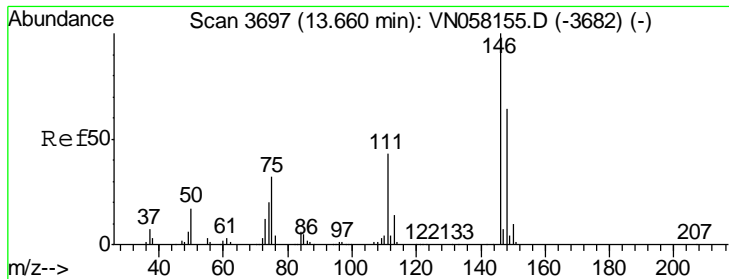
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#90
 Hexachloroethane
 Concen: 97.874 ug/l
 RT: 13.88 min Scan# 3766
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
117	100		
201	77.2	37.5	112.5





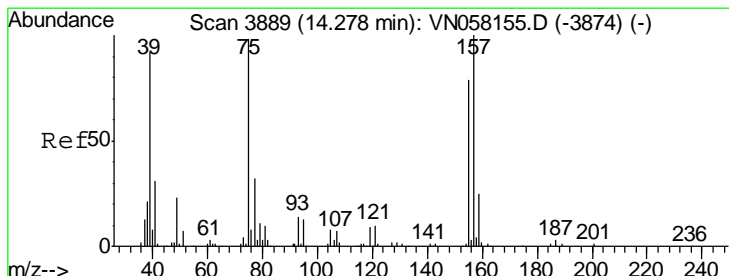
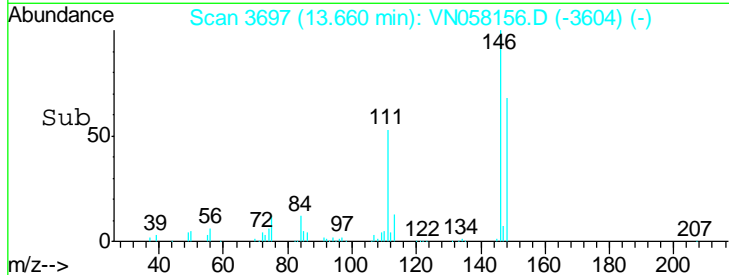
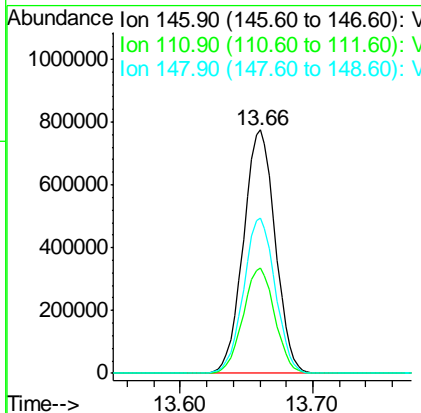
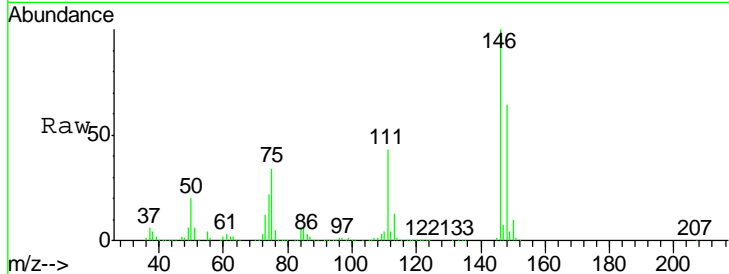
#91
 1,2-Dichlorobenzene
 Concen: 84.297 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	1290177		
146	100		
111	43.2	21.1	63.1
148	63.6	31.8	95.4

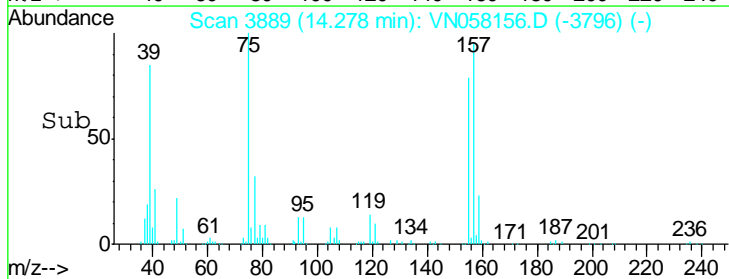
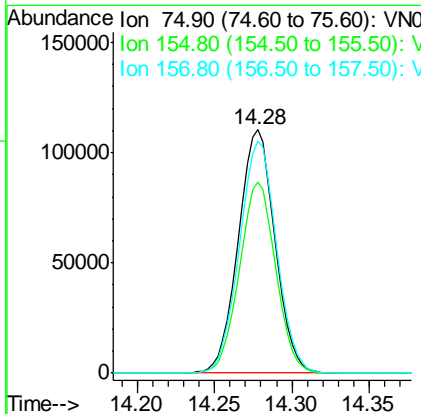
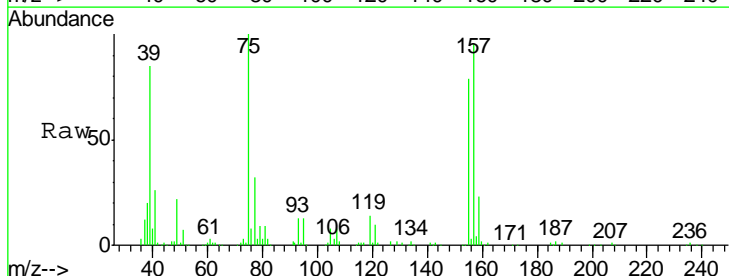
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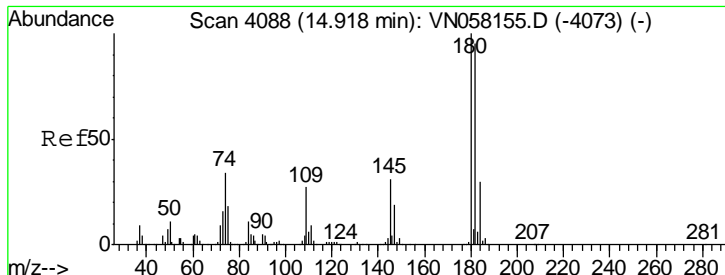
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 97.953 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
75	182405		
75	100		
155	77.5	38.3	114.8
157	96.5	48.0	144.0





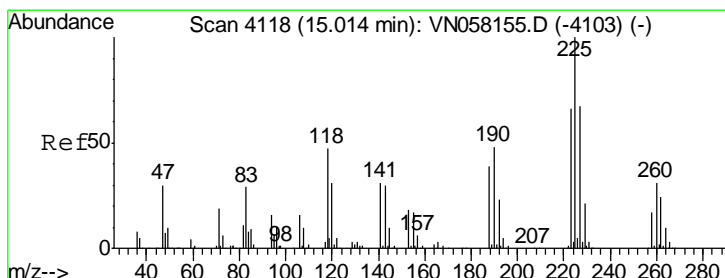
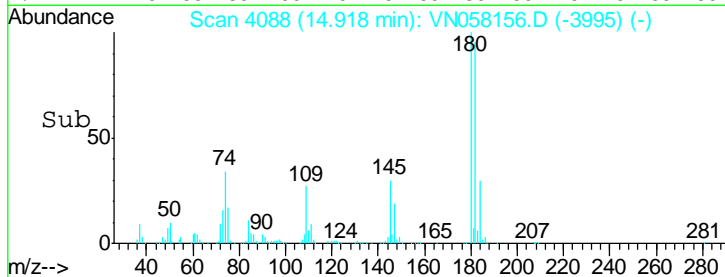
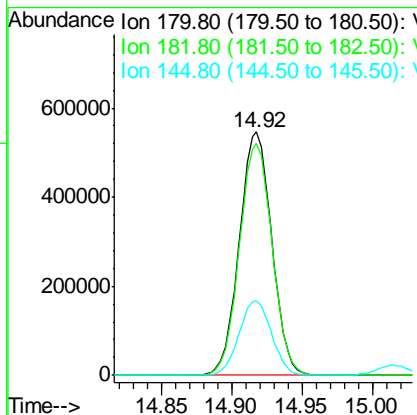
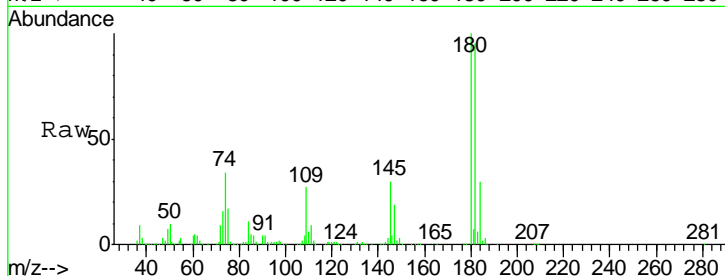
#93
 1,2,4-Trichlorobenzene
 Concen: 87.193 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VN058156.D
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	30.7	15.4	46.4

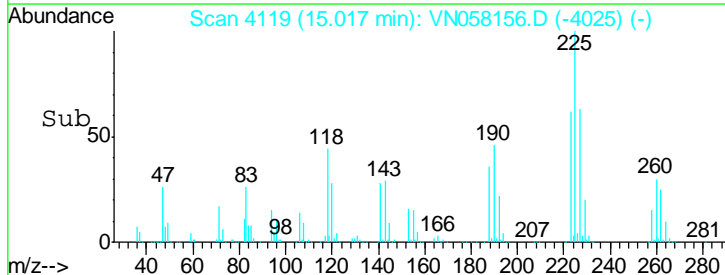
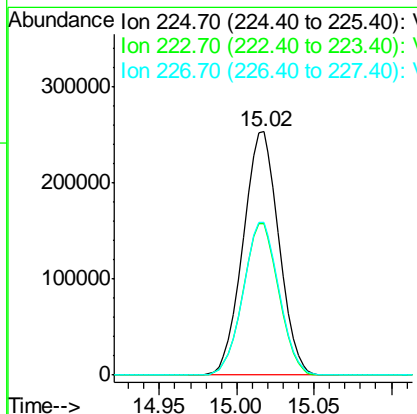
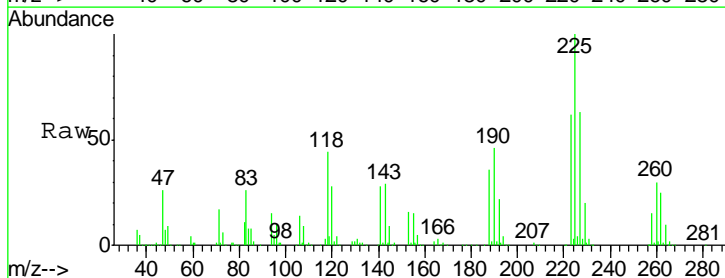
Manual Integrations
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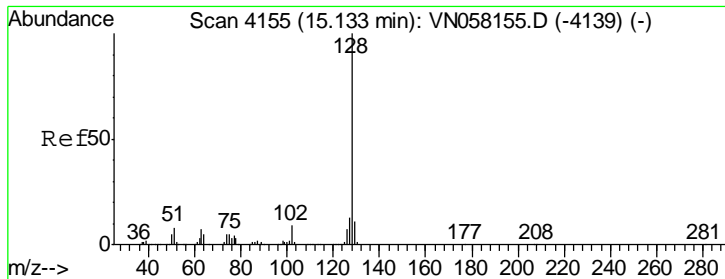
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#94
 Hexachlorobutadiene
 Concen: 93.950 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.0	32.6	97.7
227	62.9	33.0	99.0





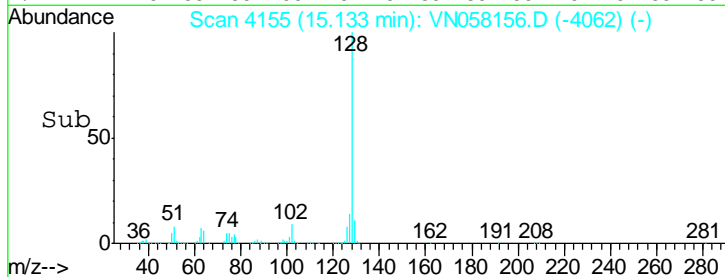
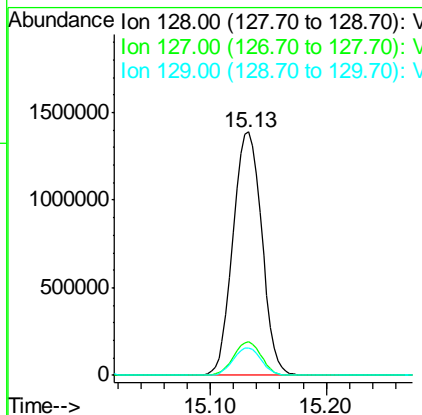
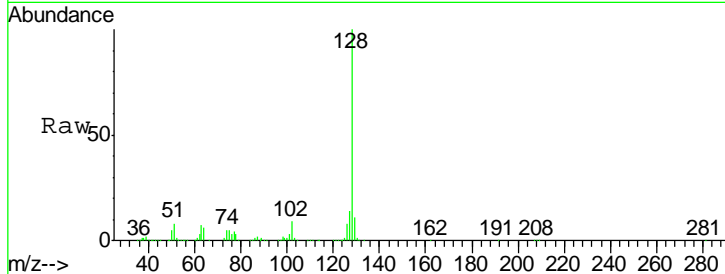
#95
 Naphthalene
 Concen: 82.145 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.0	8.6	12.8

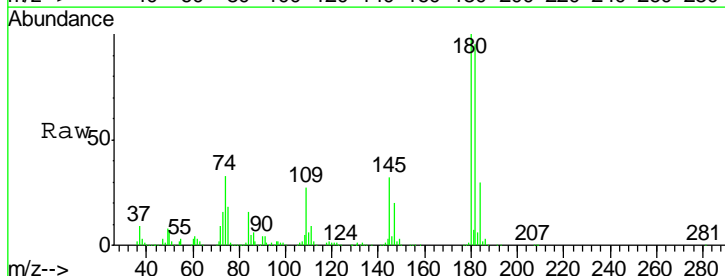
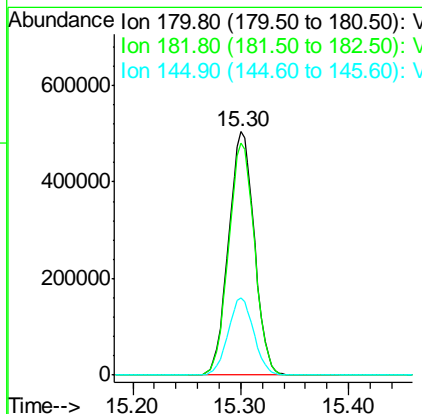
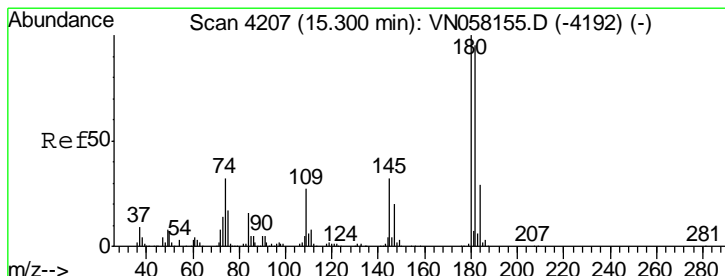
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#96
 1,2,3-Trichlorobenzene
 Concen: 84.669 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	31.7	16.1	48.2



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058157.D
 Acq On : 18 Sep 2019 11:11
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Manual Integrations
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 9/20/2019 1:14:33 PM

Quant Time: Sep 19 02:02:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	597332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	986222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	904057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	454568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	1253288	110.57	ug/l	0.00
Spiked Amount			50.000			
			Recovery			= 221.14%
35) Dibromofluoromethane	7.57	113	921807	108.23	ug/l	0.00
Spiked Amount			50.000			
			Recovery			= 216.46%
50) Toluene-d8	10.08	98	3305577	100.45	ug/l	0.00
Spiked Amount			50.000			
			Recovery			= 200.90%
62) 4-Bromofluorobenzene	12.40	95	1356473	107.21	ug/l	0.00
Spiked Amount			50.000			
			Recovery			= 214.42%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	704181	92.276	ug/l	99
3) Chloromethane	2.03	50	563805	72.908	ug/l	99
4) Vinyl Chloride	2.17	62	615436	75.283	ug/l	100
5) Bromomethane	2.52	94	336587m	69.678	ug/l	
6) Chloroethane	2.67	64	388012	74.088	ug/l	99
7) Trichlorofluoromethane	3.00	101	907364	87.252	ug/l	99
8) Diethyl Ether	3.39	74	435640	98.557	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	670501	100.905	ug/l	100
10) Methyl Iodide	3.93	142	664910	94.384	ug/l	99
11) Tert butyl alcohol	4.76	59	793896	588.809	ug/l	99
12) 1,1-Dichloroethene	3.72	96	548975	92.134	ug/l	97
13) Acrolein	3.59	56	122086	119.749	ug/l	98
14) Allyl chloride	4.30	41	1188662	101.444	ug/l	100
15) Acrylonitrile	4.96	53	2057160	543.247	ug/l	100
16) Acetone	3.79	43	2027745	544.765	ug/l	98
17) Carbon Disulfide	4.03	76	793104	73.017	ug/l	98
18) Methyl Acetate	4.30	43	1097550	110.176	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	2743818	110.057	ug/l	98
20) Methylene Chloride	4.53	84	744199	91.982	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	595929	92.516	ug/l	98
22) Diisopropyl ether	5.93	45	3060205	111.375	ug/l	99
23) Vinyl Acetate	5.87	43	9007461	465.252	ug/l	# 83
24) 1,1-Dichloroethane	5.82	63	1557283	103.850	ug/l	100
25) 2-Butanone	6.81	43	2957214	548.505	ug/l	98
26) 2,2-Dichloropropane	6.80	77	1345046	113.028	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	869145	100.193	ug/l	98
28) Bromochloromethane	7.18	49	760891	101.604	ug/l	99
29) Tetrahydrofuran	7.19	42	1812312	545.458	ug/l	99
30) Chloroform	7.36	83	1656689	105.374	ug/l	99
31) Cyclohexane	7.64	56	1010196	91.452	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	1340807	107.610	ug/l	100
36) 1,1-Dichloropropene	7.78	75	1001159	93.411	ug/l	99
37) Ethyl Acetate	6.91	43	1137298	102.373	ug/l	99
38) Carbon Tetrachloride	7.76	117	1085561	110.473	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058157.D
 Acq On : 18 Sep 2019 11:11
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Manual Integrations
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 9/20/2019 1:14:33 PM

Quant Time: Sep 19 02:02:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1040458	92.578	ug/l	99
40) Benzene	8.03	78	3065162	94.990	ug/l	98
41) Methacrylonitrile	7.15	41	553032m	109.785	ug/l	
42) 1,2-Dichloroethane	8.11	62	1331662	102.847	ug/l	100
43) Isopropyl Acetate	8.15	43	2089514	111.801	ug/l	100
44) Trichloroethene	8.82	130	781723	98.491	ug/l	100
45) 1,2-Dichloropropane	9.11	63	967570	102.662	ug/l	100
46) Dibromomethane	9.20	93	588919	103.514	ug/l	99
47) Bromodichloromethane	9.39	83	1338064	118.110	ug/l	98
48) Methyl methacrylate	9.19	41	1005596	106.672	ug/l	99
49) 1,4-Dioxane	9.19	88	317385	1981.303	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	4569007	417.812	ug/l #	79
52) Toluene	10.15	92	1996964	98.366	ug/l	91
53) t-1,3-Dichloropropene	10.38	75	1467911	123.294	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1534036	116.636	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	925849	107.528	ug/l	99
56) Ethyl methacrylate	10.43	69	1458905	113.093	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1559725	105.080	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	3262090	542.039	ug/l	93
59) 2-Hexanone	10.75	43	3758242	459.668	ug/l	86
60) Dibromochloromethane	10.90	129	1029689	128.973	ug/l	99
61) 1,2-Dibromoethane	11.00	107	869279	107.075	ug/l	99
64) Tetrachloroethene	10.63	164	631334	100.139	ug/l	98
65) Chlorobenzene	11.43	112	2287304	102.763	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	936787	120.987	ug/l	100
67) Ethyl Benzene	11.51	91	3532203	90.643	ug/l #	78
68) m/p-Xylenes	11.62	106	2950140	206.754	ug/l #	72
69) o-Xylene	11.95	106	1546042	109.324	ug/l	85
70) Styrene	11.97	104	2662300	109.408	ug/l	96
71) Bromoform	12.13	173	692710	144.034	ug/l	99
73) Isopropylbenzene	12.25	105	3602722	105.754	ug/l	88
74) N-amyl acetate	12.07	43	1971763	133.741	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1435492	125.225	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1212814m	122.960	ug/l	
77) Bromobenzene	12.53	156	1040631	121.865	ug/l	99
78) n-propylbenzene	12.60	91	3923738	100.448	ug/l	85
79) 2-Chlorotoluene	12.68	91	2858155	115.482	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	3234744	112.254	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.30	75	456038	163.437	ug/l	96
82) 4-Chlorotoluene	12.78	91	3010985	118.449	ug/l	94
83) tert-Butylbenzene	13.00	119	3018873	117.902	ug/l	94
84) 1,2,4-Trimethylbenzene	13.05	105	3217423	110.168	ug/l	88
85) sec-Butylbenzene	13.18	105	3601686	106.273	ug/l	90
86) p-Isopropyltoluene	13.29	119	3335862	111.859	ug/l	88
87) 1,3-Dichlorobenzene	13.29	146	1974553	126.585	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1983825	124.861	ug/l	99
89) n-Butylbenzene	13.62	91	3280036	116.066	ug/l	87
90) Hexachloroethane	13.88	117	696278	156.110	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	1981098	126.781	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	305729	160.805	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058157.D
 Acq On : 18 Sep 2019 11:11
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 9/20/2019 1:14:33 PM

Quant Time: Sep 19 02:02:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	1411422	136.700	ug/l	100
94) Hexachlorobutadiene	15.02	225	629564	142.210	ug/l	97
95) Naphthalene	15.13	128	3405691	115.126	ug/l	95
96) 1,2,3-Trichlorobenzene	15.30	180	1327672	131.462	ug/l	100

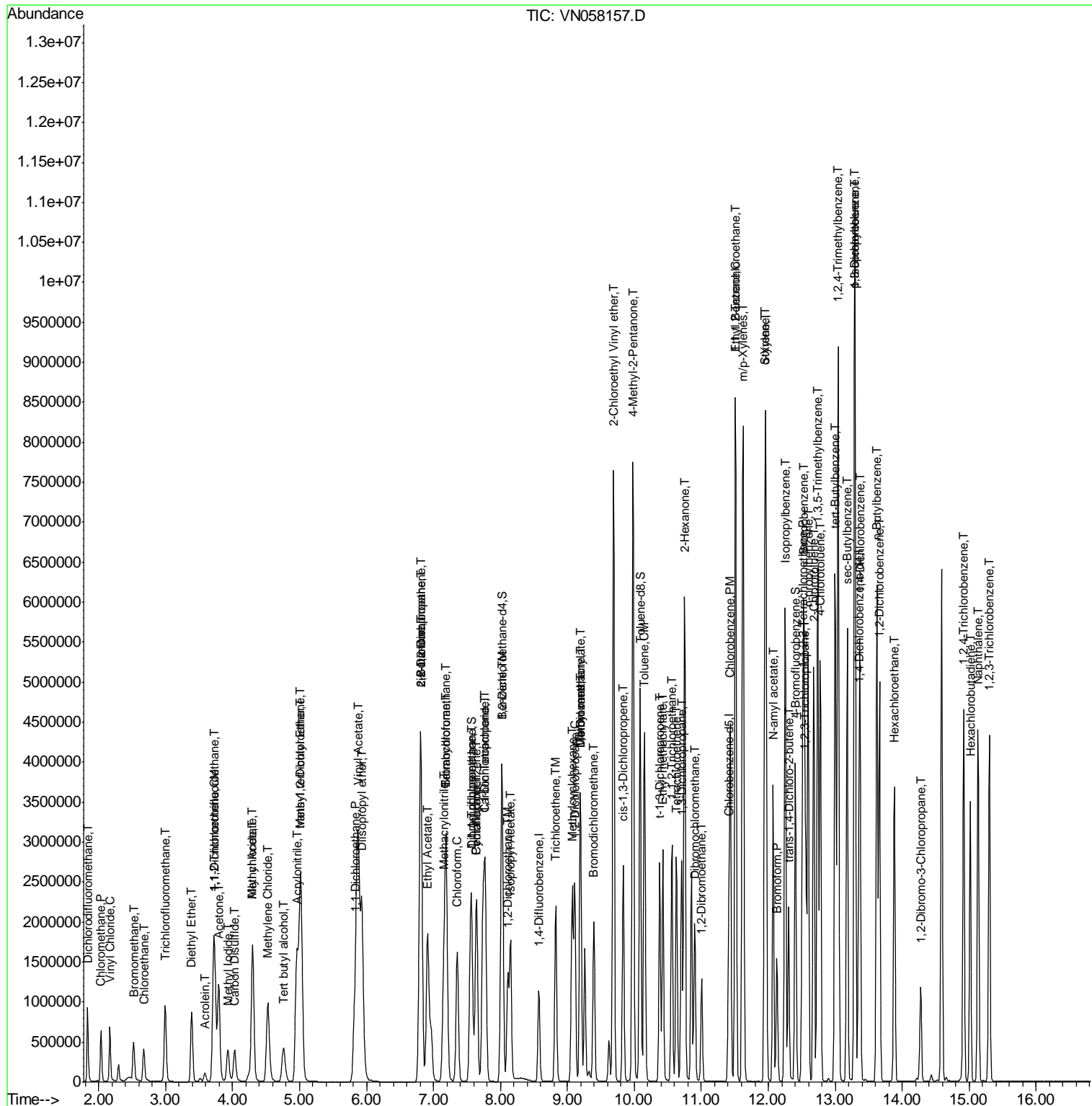
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058157.D
 Acq On : 18 Sep 2019 11:11
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

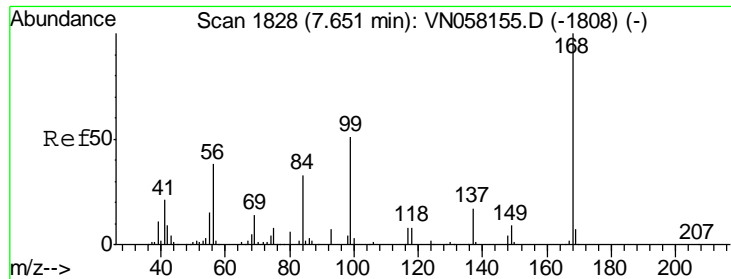
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Manual Integrations
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 MMDadoda
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Quant Time: Sep 19 02:02:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration



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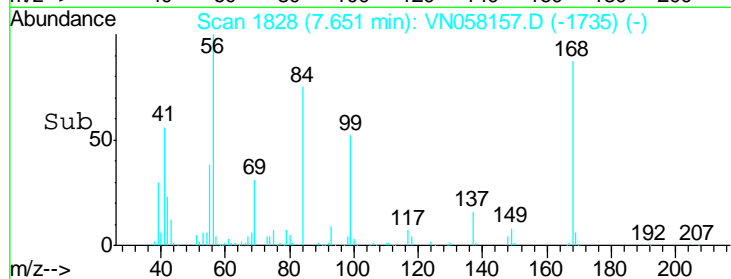
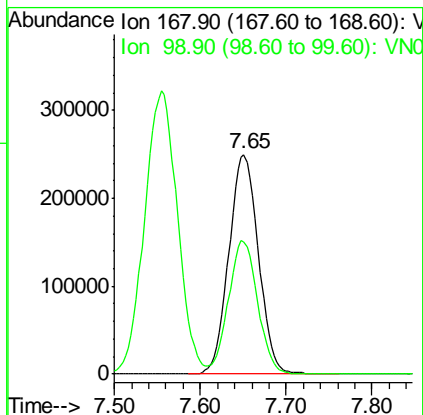
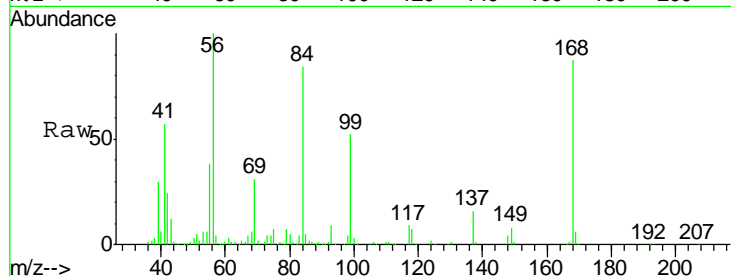
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 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
168	597332		
168	100		
99	60.2	47.4	71.2

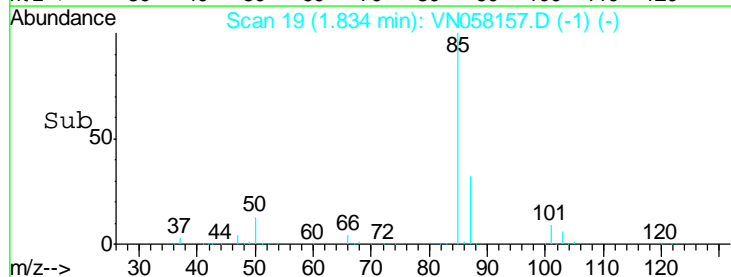
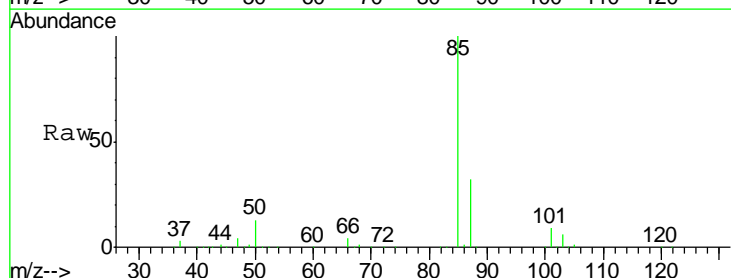
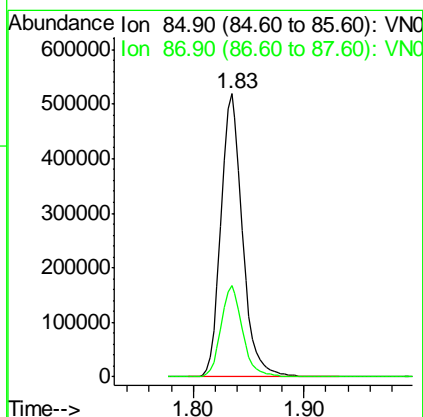
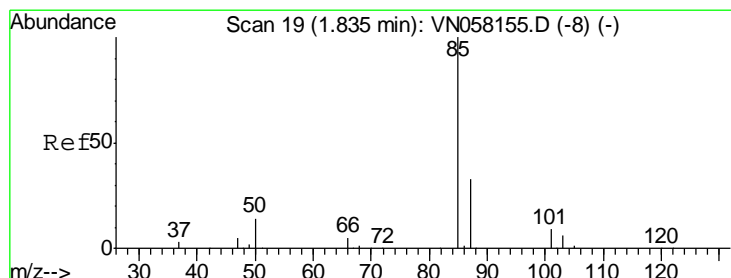
Manual Integrations
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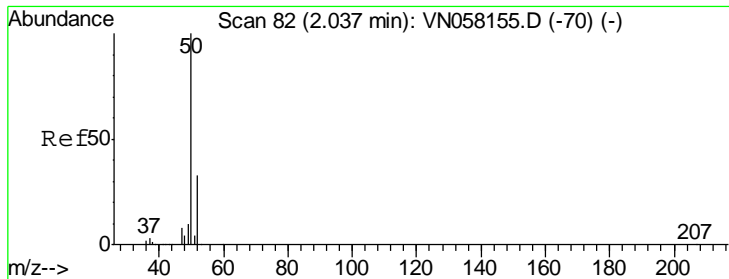
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#2
 Dichlorodifluoromethane
 Concen: 92.276 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
85	704181		
85	100		
87	32.1	16.3	48.9



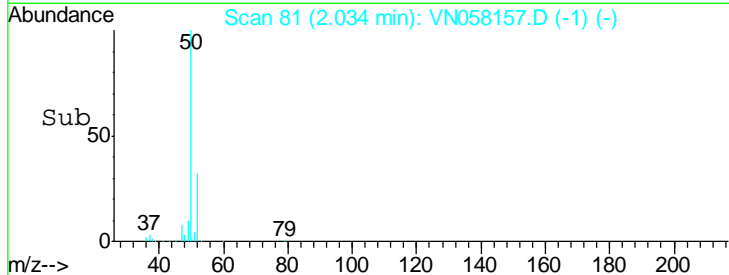
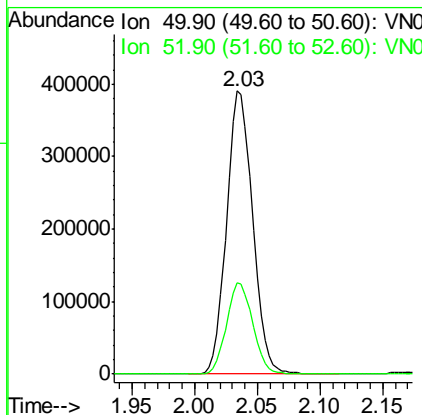
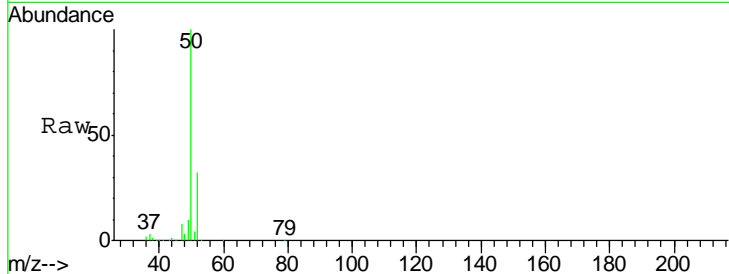


#3
 Chloromethane
 Concen: 72.908 ug/l
 RT: 2.03 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
50	563805		
50	100		
52	32.2	26.3	39.5

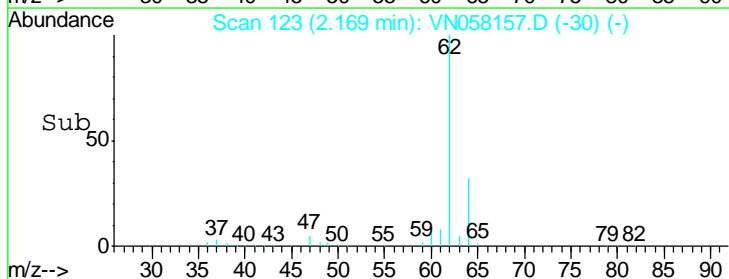
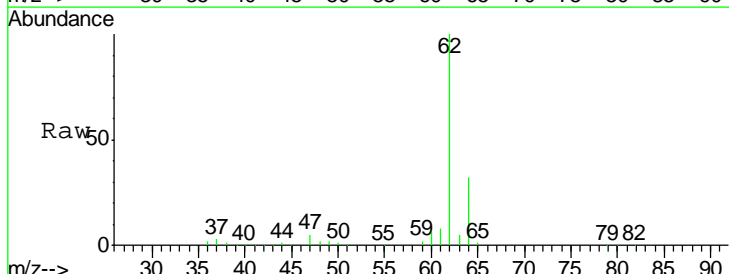
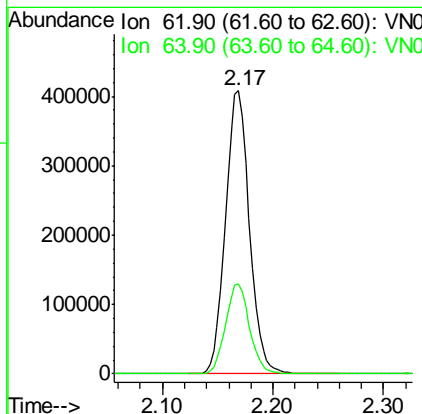
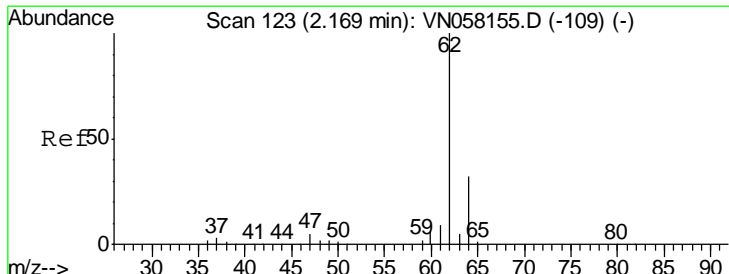
Instrument : MSVOA_N
 Client Sampled : VSTDIC150

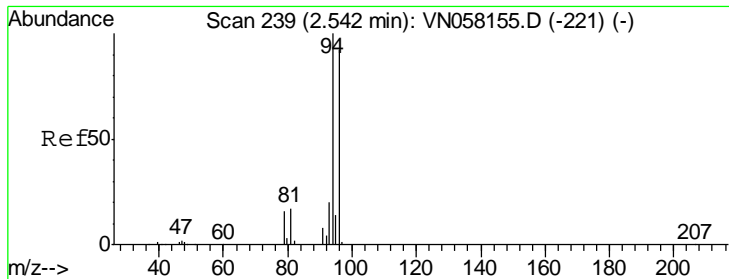
Manual Integrations APPROVED
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#4
 Vinyl Chloride
 Concen: 75.283 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
62	615436		
62	100		
64	31.7	25.4	38.2





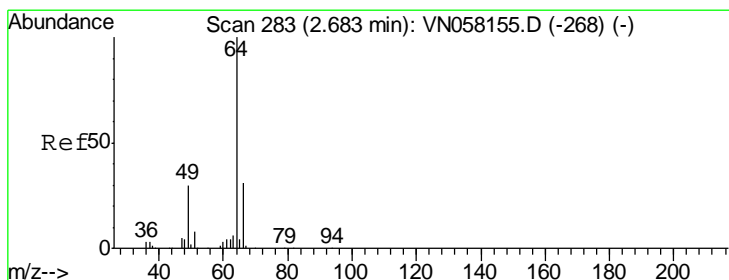
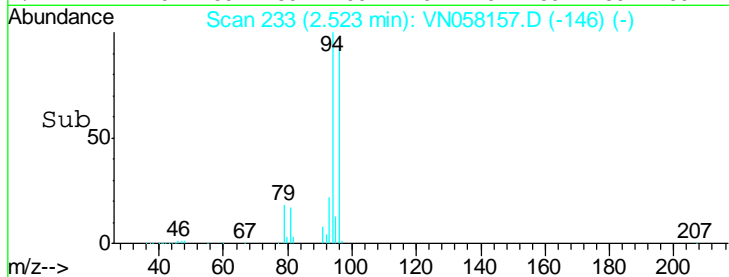
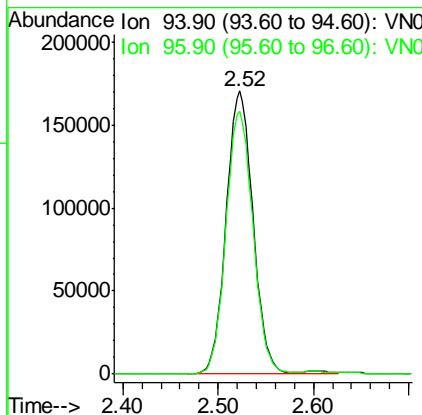
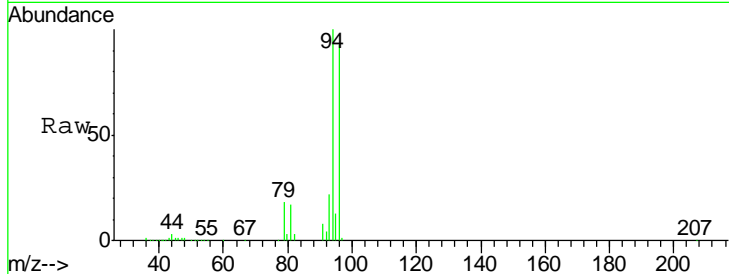
#5
 Bromomethane
 Concen: 69.678 ug/l m
 RT: 2.52 min Scan# 233
 Delta R.T. -0.02 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.1	73.3	109.9

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

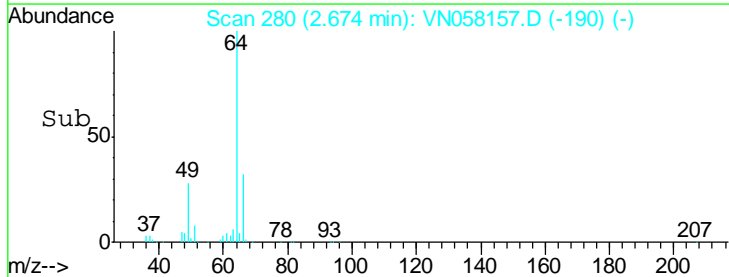
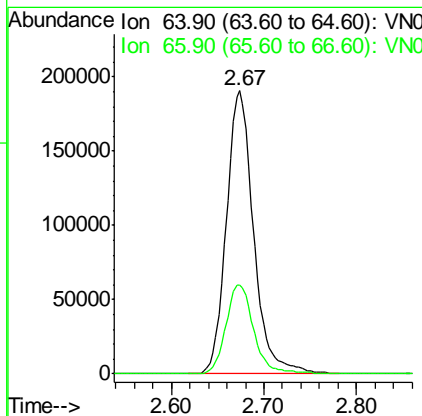
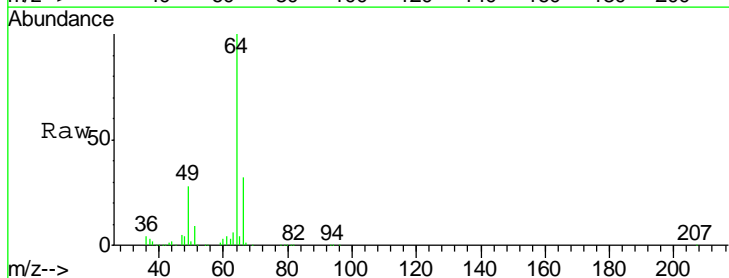
Manual Integrations APPROVED

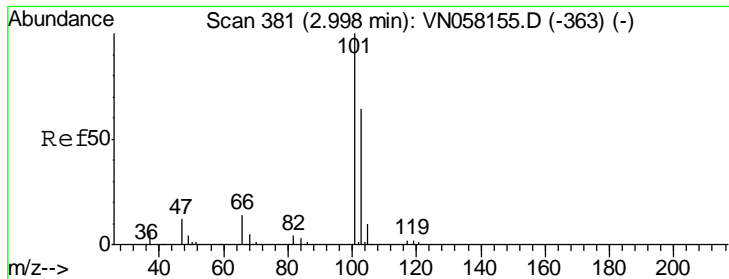
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#6
 Chloroethane
 Concen: 74.088 ug/l
 RT: 2.67 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.6	24.6	37.0





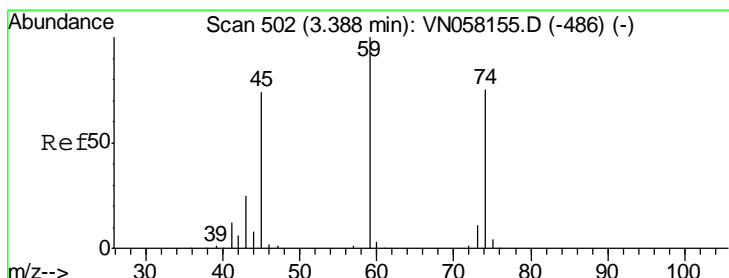
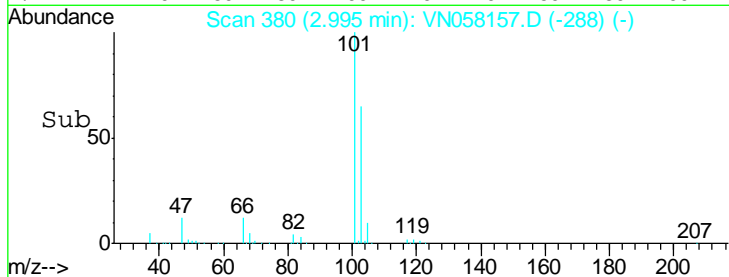
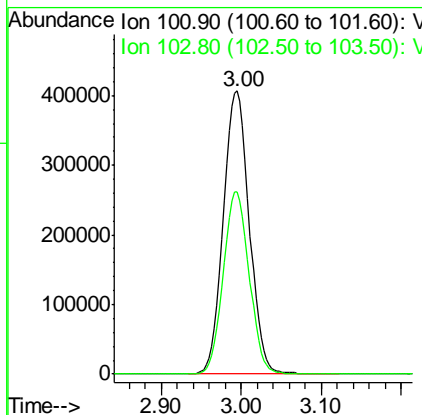
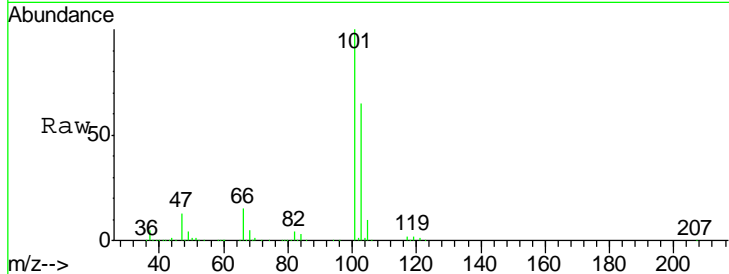
#7
 Trichlorofluoromethane
 Concen: 87.252 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
101	907364		
103	64.5	51.0	76.6

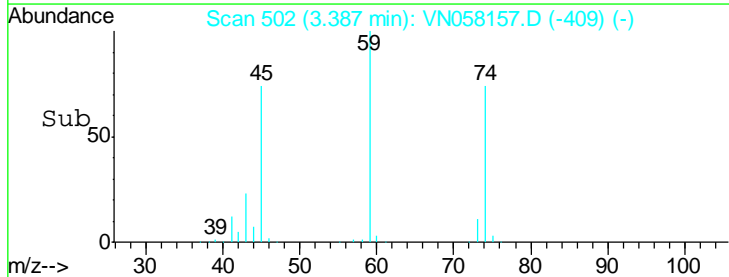
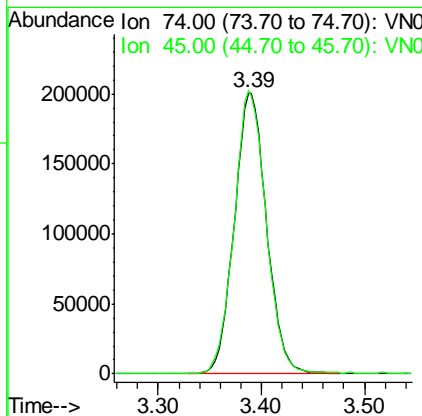
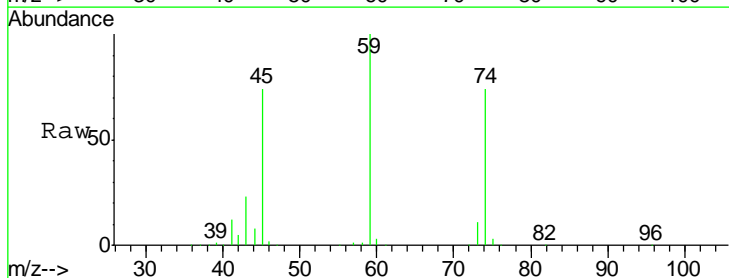
Manual Integrations
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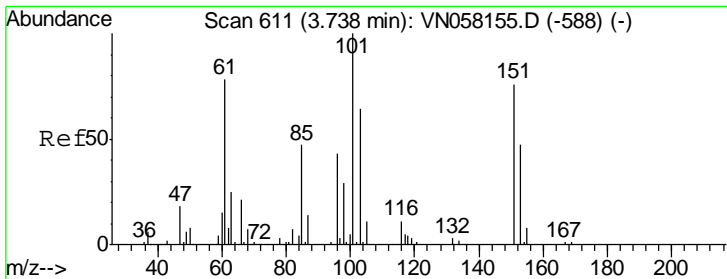
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#8
 Diethyl Ether
 Concen: 98.557 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

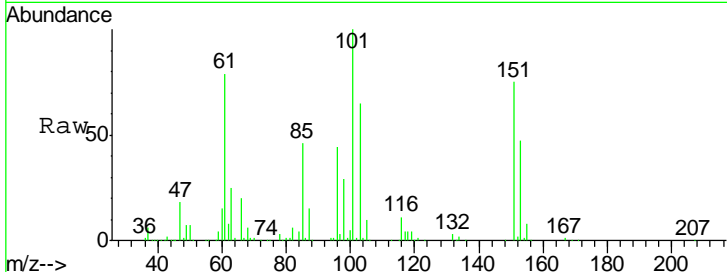
Tgt Ion	Resp	Lower	Upper
74	435640		
45	99.6	48.5	145.5





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 100.905 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

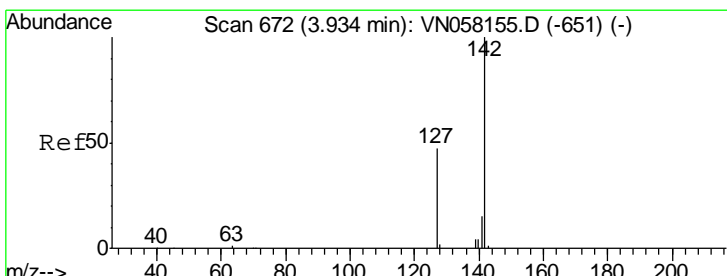
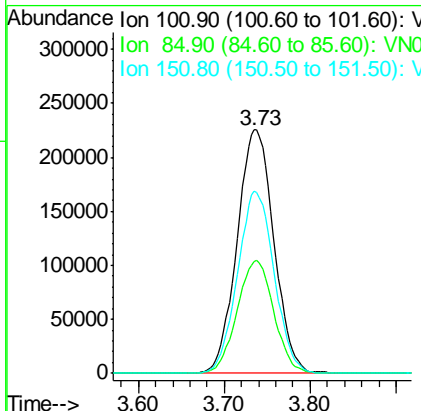
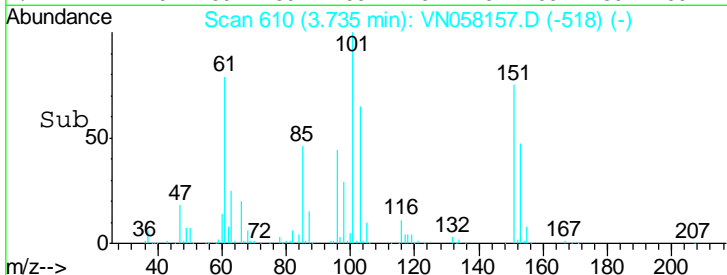


Tgt Ion: 101 Resp: 670501

Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.3	55.9
151	74.5	59.6	89.4

Manual Integrations
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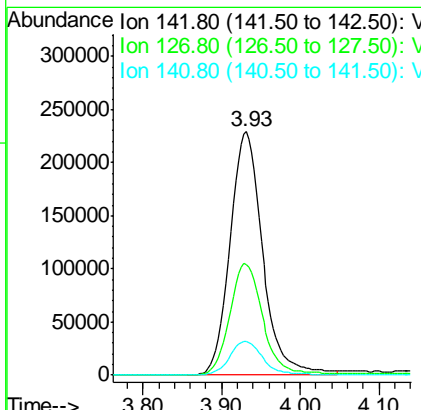
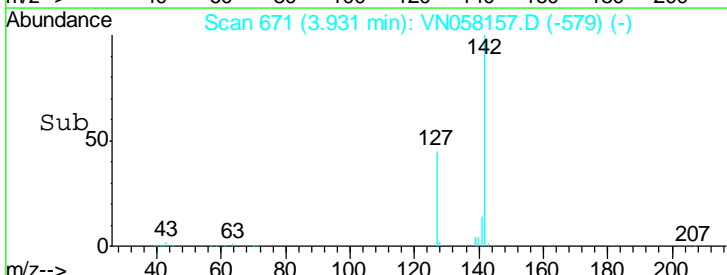
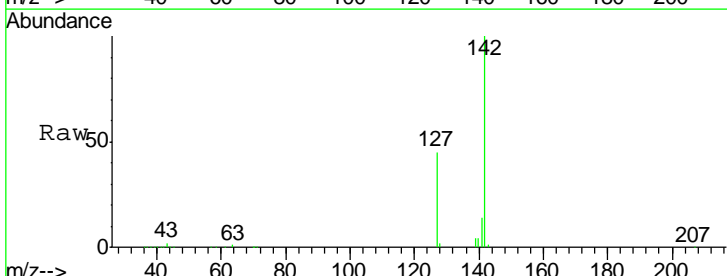
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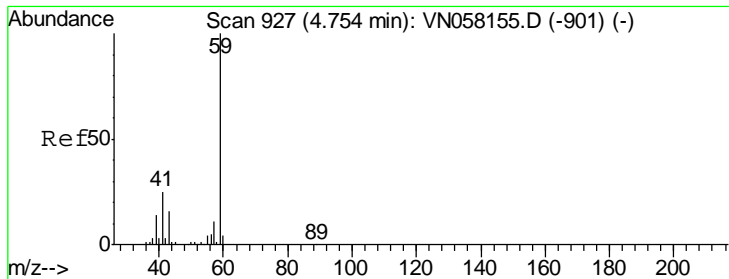


#10
 Methyl Iodide
 Concen: 94.384 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 142 Resp: 664910

Ion	Ratio	Lower	Upper
142	100		
127	45.8	37.5	56.3
141	14.0	11.4	17.2





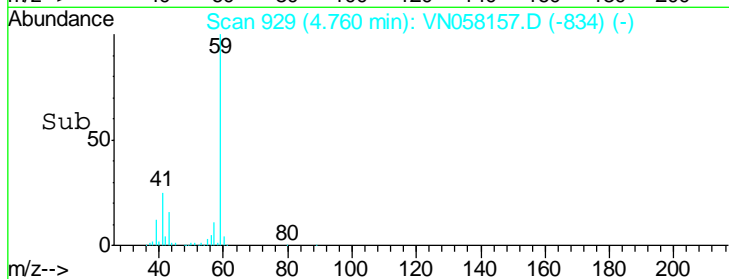
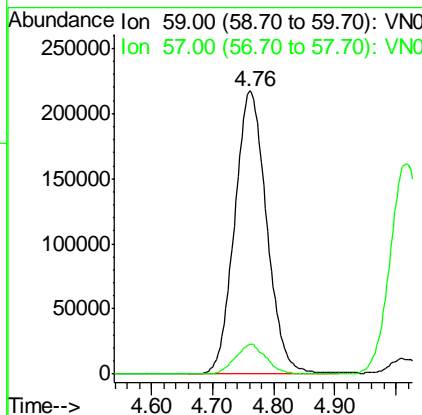
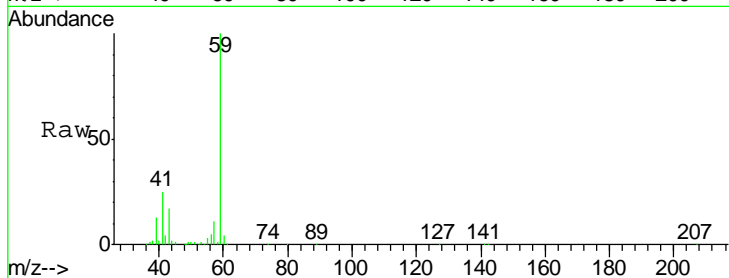
#11
 Tert butyl alcohol
 Concen: 588.809 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.2	8.6	13.0

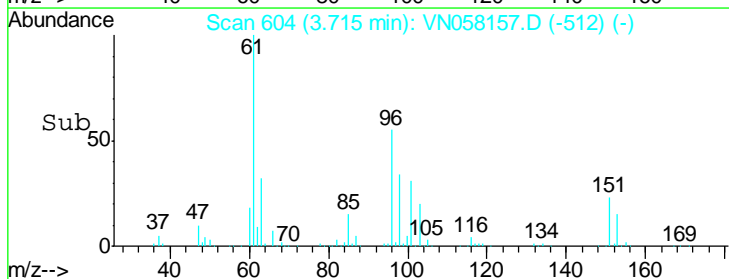
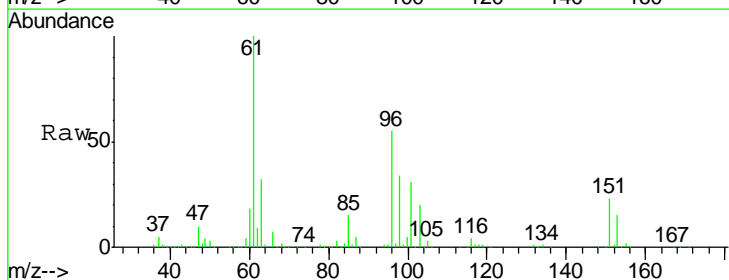
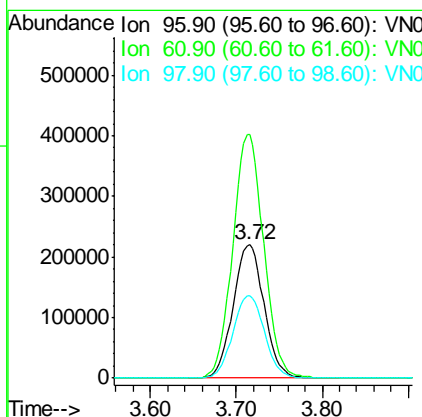
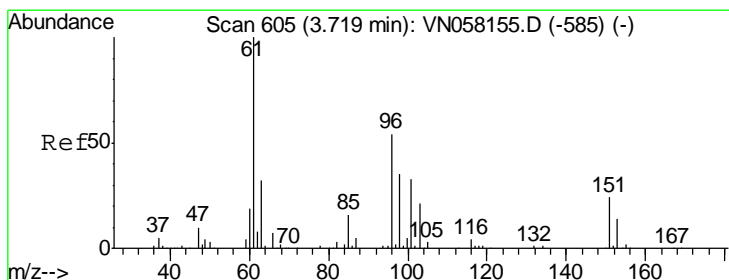
Manual Integrations
 APPROVED

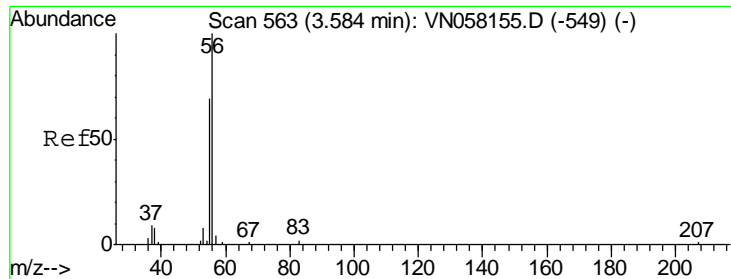
MMDadoda
 9/20/2019 1:14:33 PM



#12
 1,1-Dichloroethene
 Concen: 92.134 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
96	100		
61	182.8	149.5	224.3
98	62.2	52.4	78.6





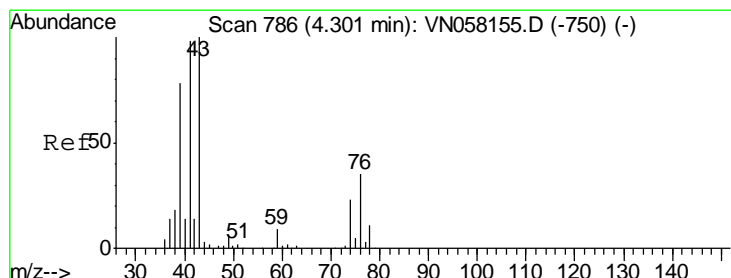
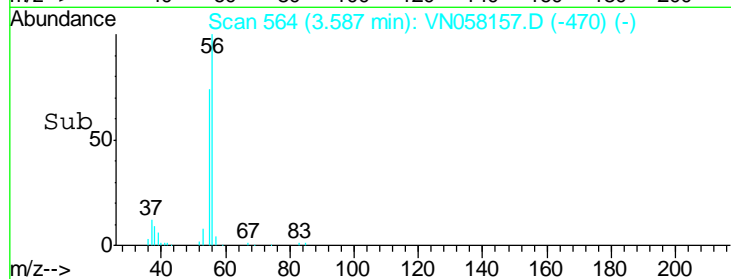
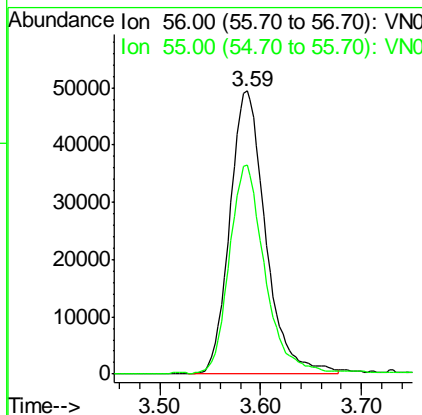
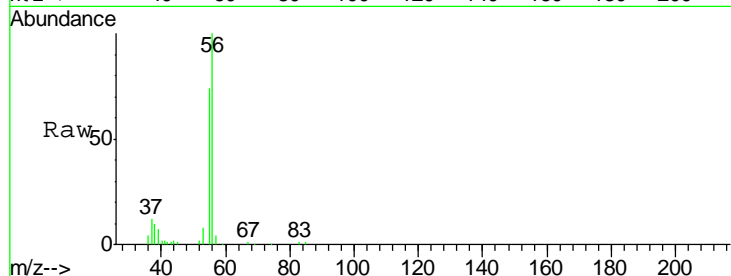
#13
 Acrolein
 Concen: 119.749 ug/l
 RT: 3.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	122086		
56	100		
55	72.0	56.1	84.1

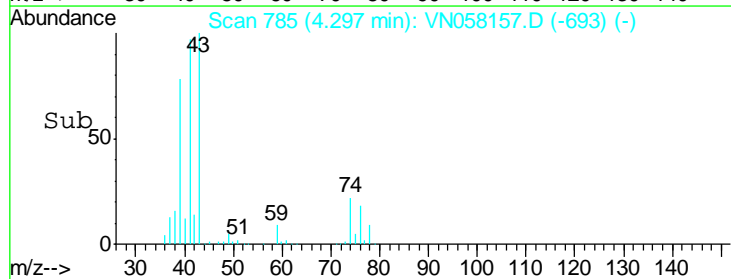
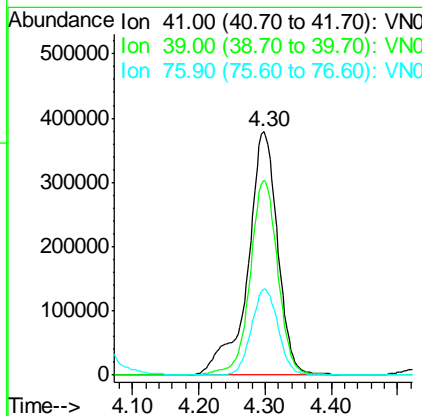
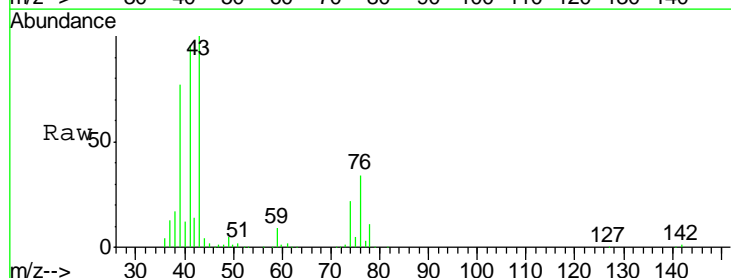
Manual Integrations
 APPROVED

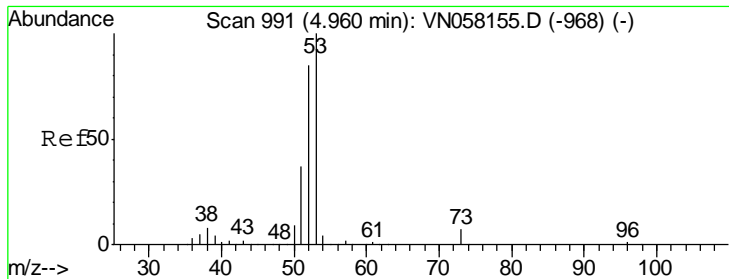
MMDadoda
 9/20/2019 1:14:33 PM



#14
 Allyl chloride
 Concen: 101.444 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
41	1188662		
41	100		
39	74.0	59.1	88.7
76	31.3	25.1	37.7





#15
 Acrylonitrile
 Concen: 543.247 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

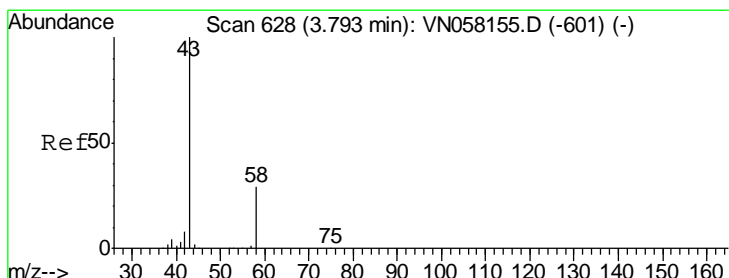
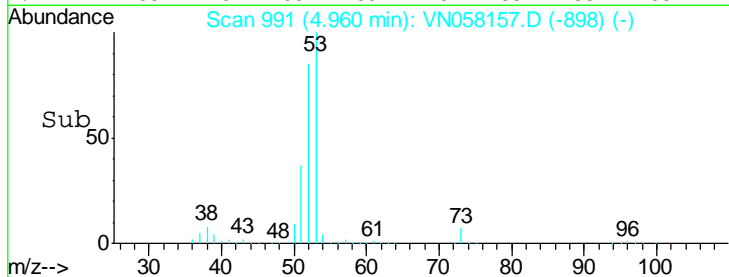
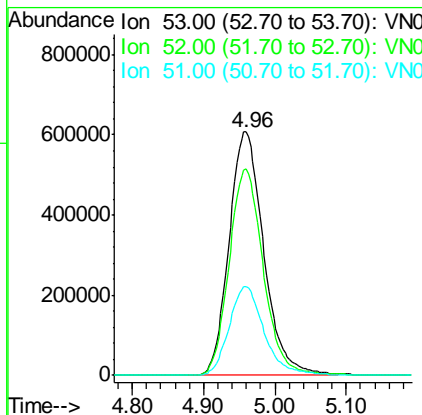
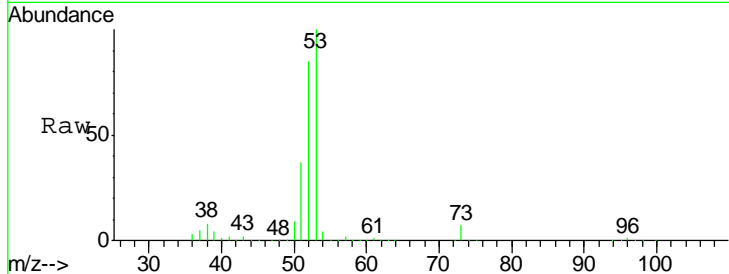
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 53 Resp: 2057160

Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	36.9	29.7	44.5

Manual Integrations
 APPROVED

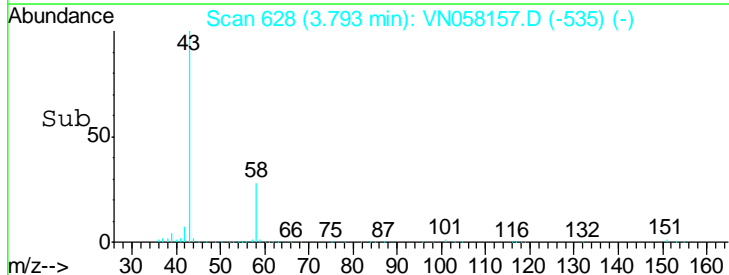
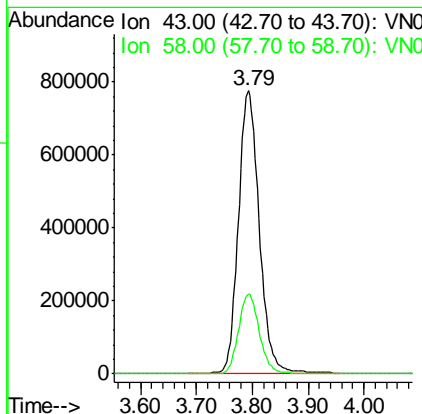
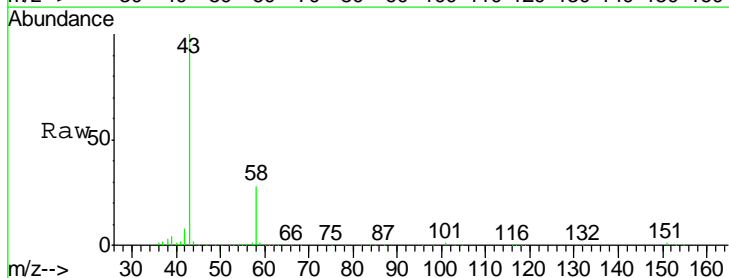
MMDadoda
 9/20/2019 1:14:33 PM

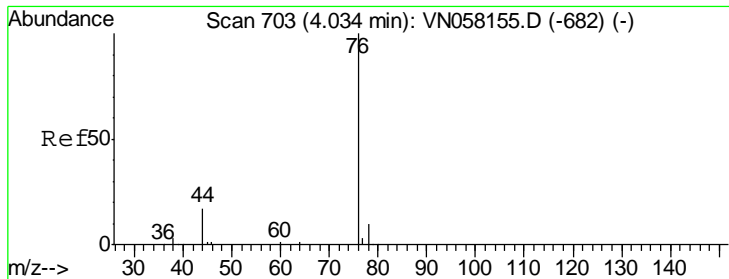


#16
 Acetone
 Concen: 544.765 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 43 Resp: 2027745

Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.4	35.2





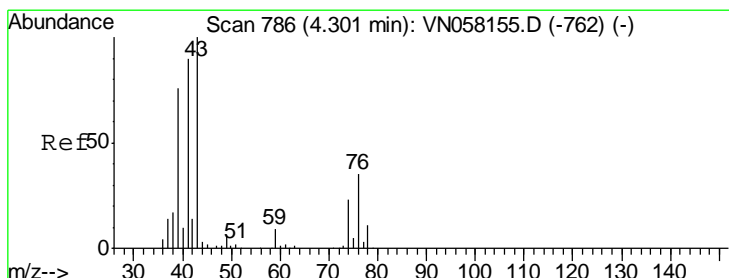
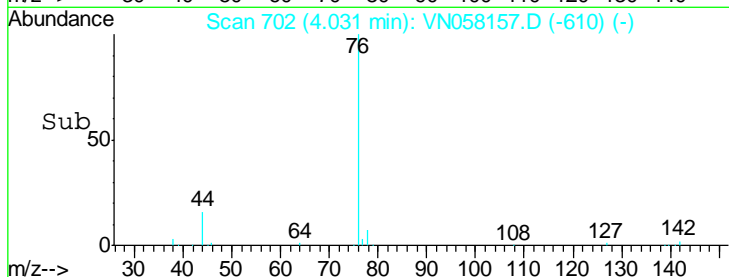
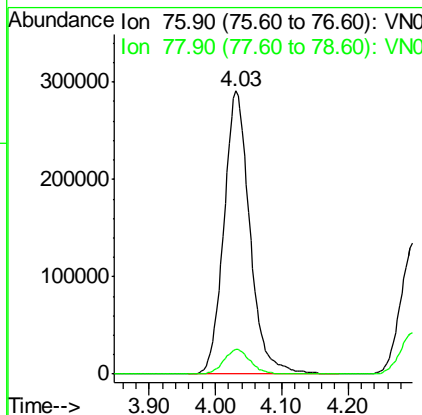
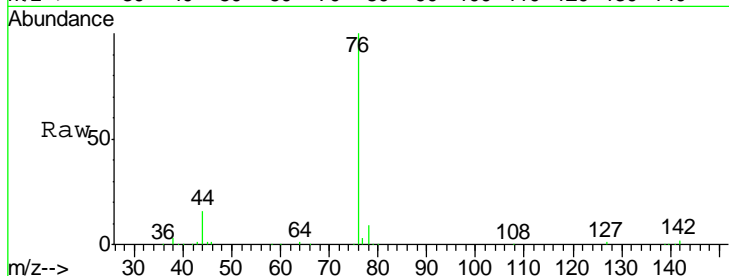
#17
 Carbon Disulfide
 Concen: 73.017 ug/l
 RT: 4.03 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	100		
78	8.7	7.7	11.5

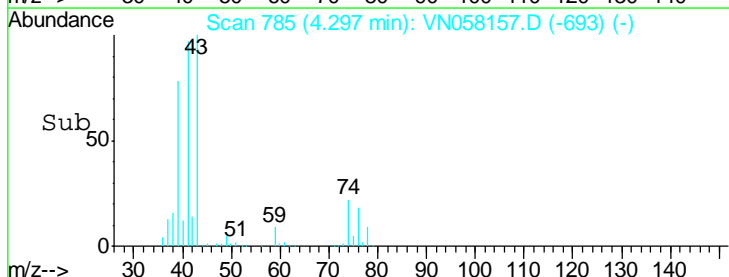
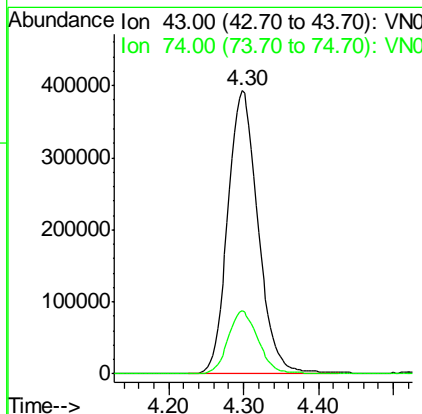
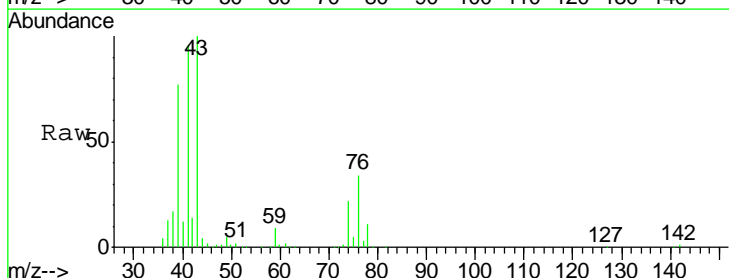
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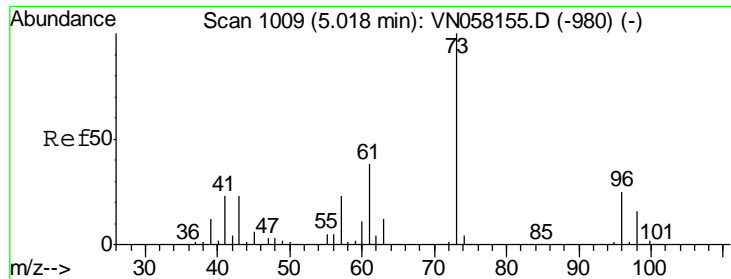
MMDadoda
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#18
 Methyl Acetate
 Concen: 110.176 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.3	18.0	27.0





#19
 Methyl tert-butyl Ether
 Concen: 110.057 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

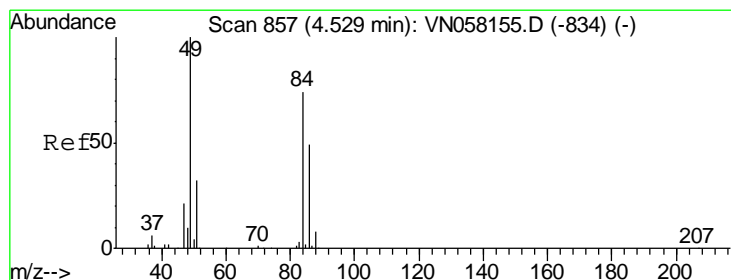
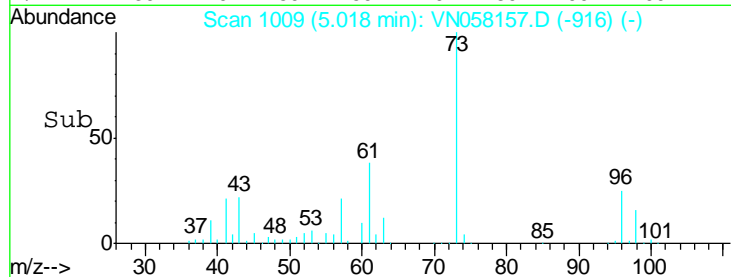
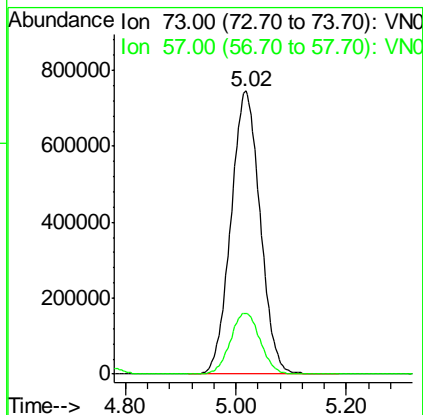
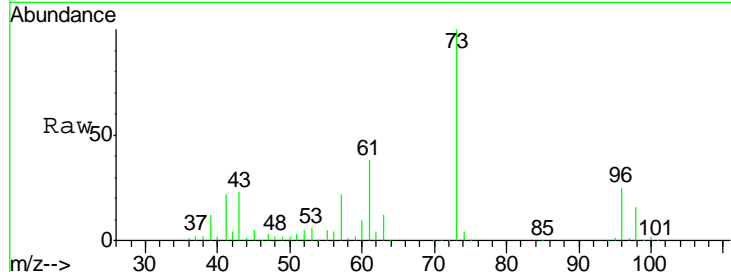
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 73 Resp: 2743818

Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.1	27.1

Manual Integrations
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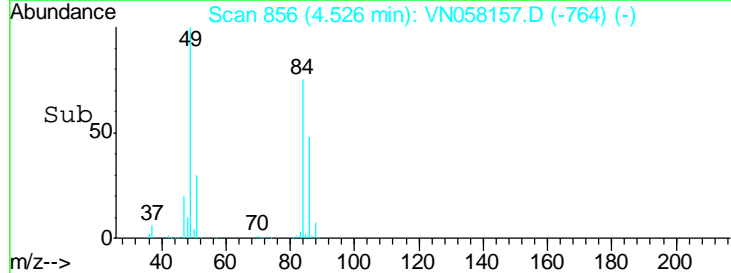
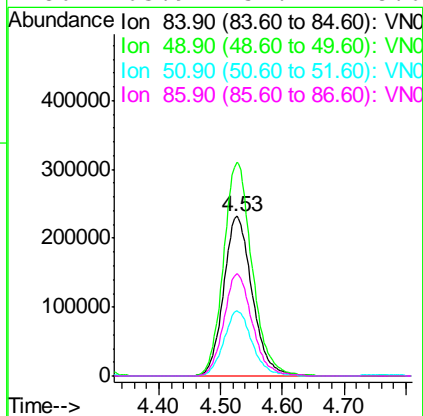
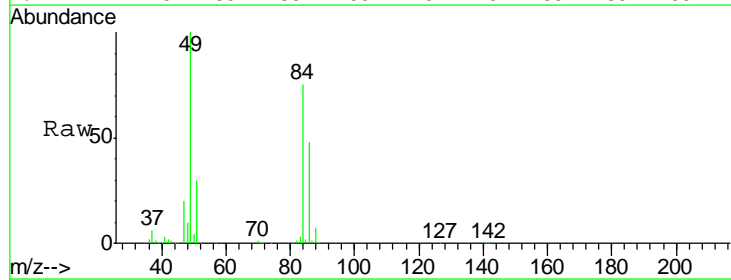
MMDadoda
 9/20/2019 1:14:33 PM

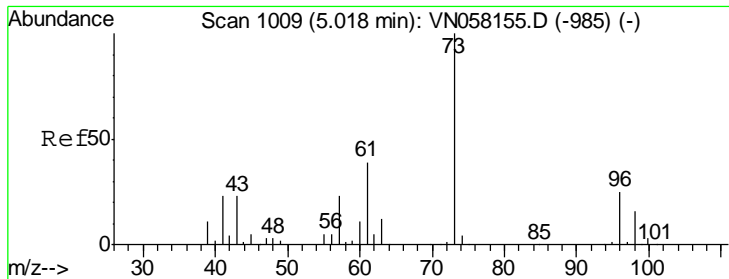


#20
 Methylene Chloride
 Concen: 91.982 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 84 Resp: 744199

Ion	Ratio	Lower	Upper
84	100		
49	133.6	107.5	161.3
51	40.6	33.9	50.9
86	63.9	52.4	78.6





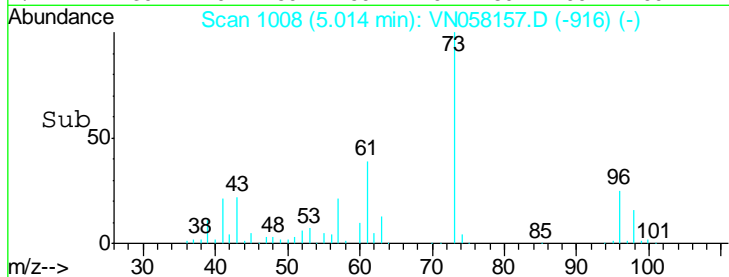
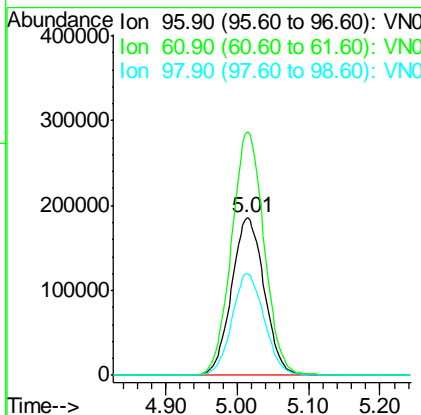
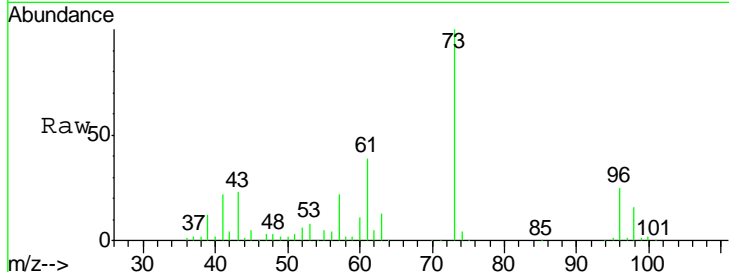
#21
 trans-1,2-Dichloroethene
 Concen: 92.516 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	595929		
96	100		
61	154.3	122.2	183.4
98	64.6	49.9	74.9

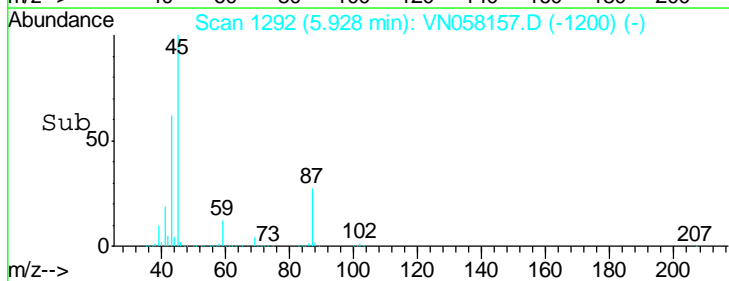
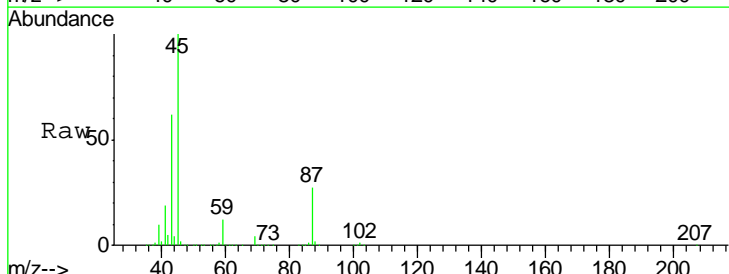
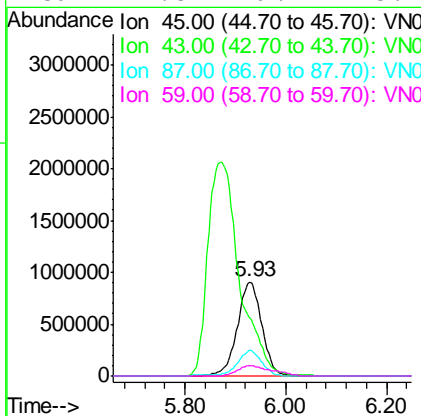
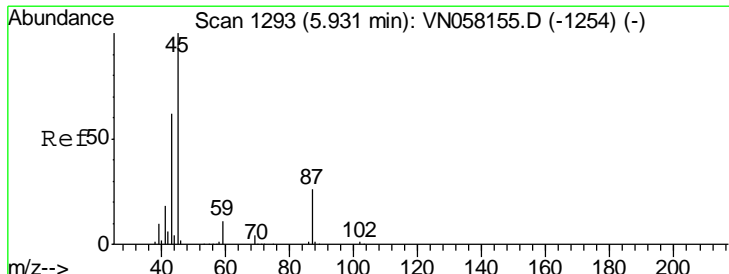
Manual Integrations
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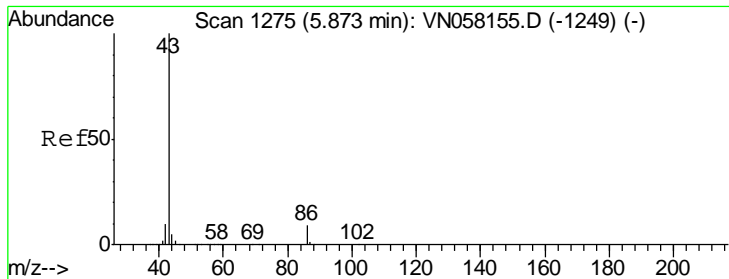
MMDadoda
 9/20/2019 1:14:33 PM



#22
 Diisopropyl ether
 Concen: 111.375 ug/l
 RT: 5.93 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
45	3060205		
45	100		
43	62.0	49.7	74.5
87	26.7	20.7	31.1
59	11.5	9.1	13.7





#23
 Vinyl Acetate
 Concen: 465.252 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

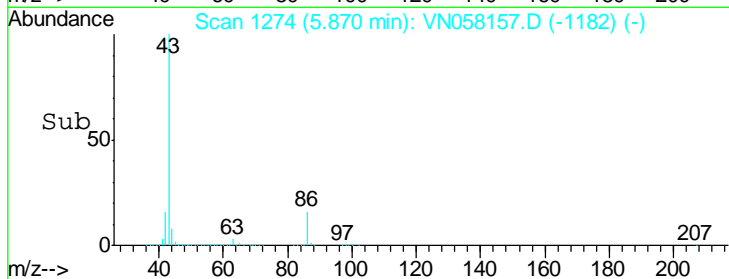
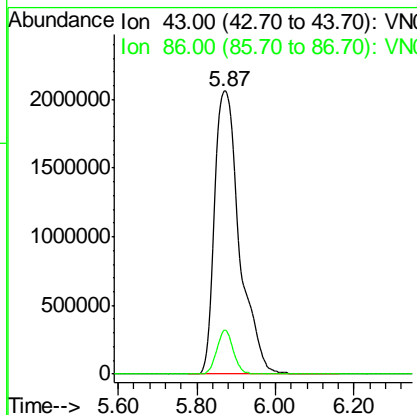
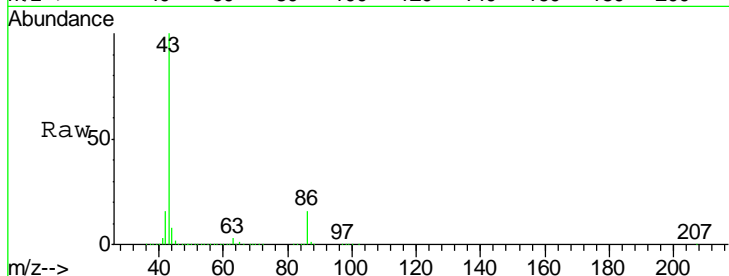
Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion: 43 Resp: 9007461

Ion	Ratio	Lower	Upper
43	100		
86	15.5	7.4	11.2#

Manual Integrations
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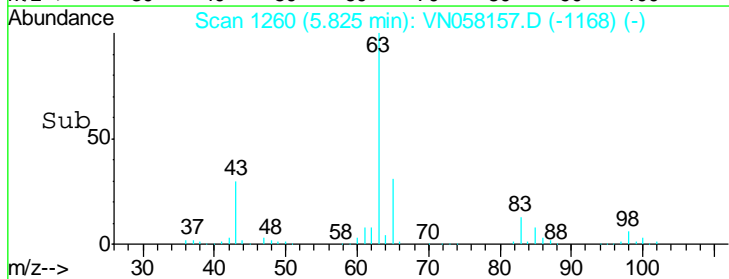
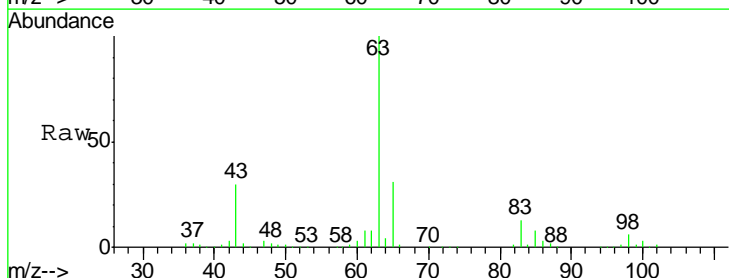
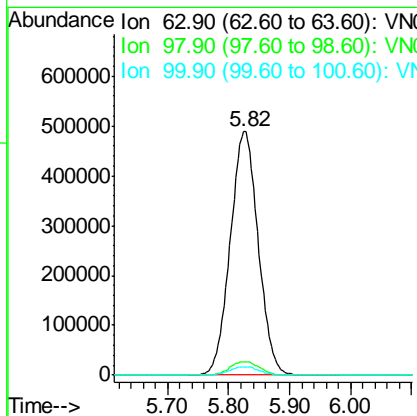
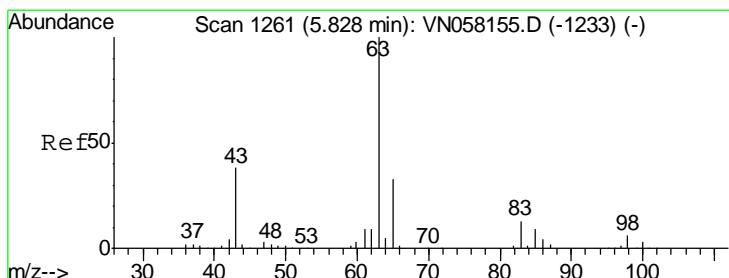
MMDadoda
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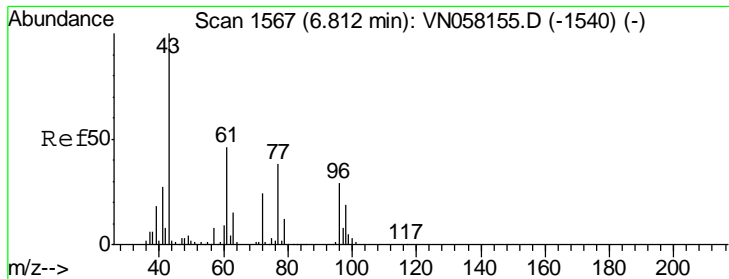


#24
 1,1-Dichloroethane
 Concen: 103.850 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 63 Resp: 1557283

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.6
100	3.4	1.8	5.3





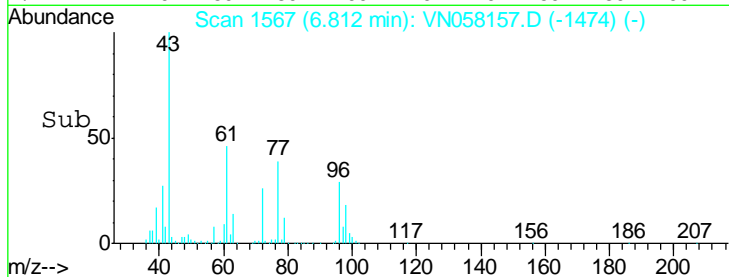
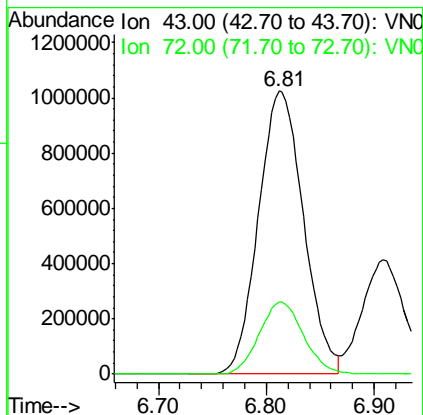
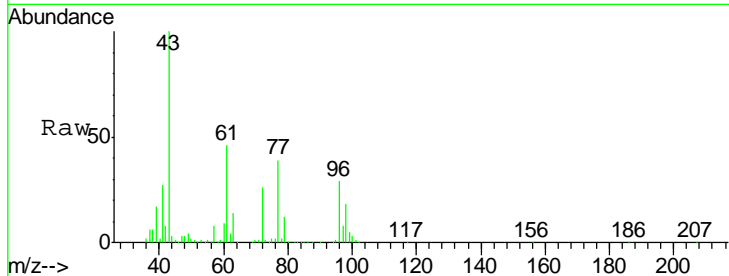
#25
 2-Butanone
 Concen: 548.505 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp: 2957214
 Ion Ratio Lower Upper
 43 100
 72 25.5 19.5 29.3

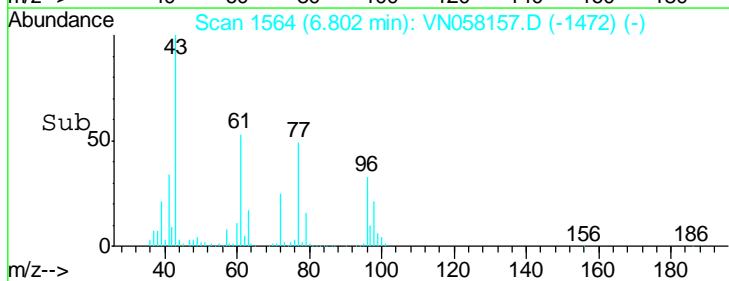
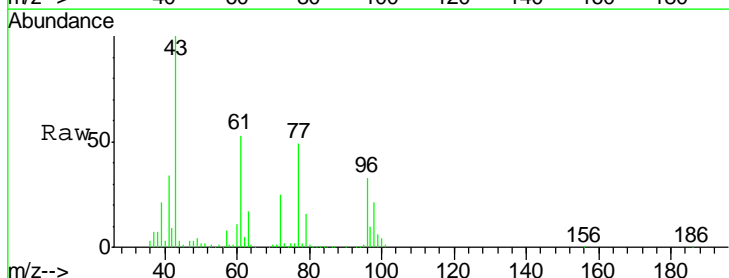
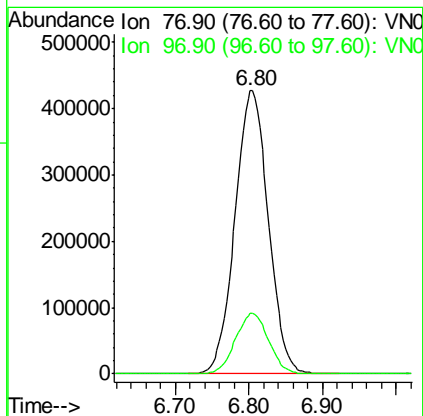
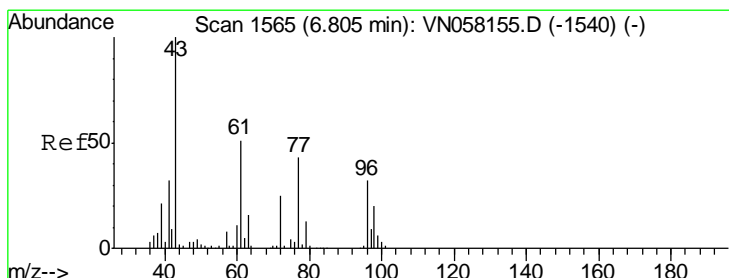
Manual Integrations
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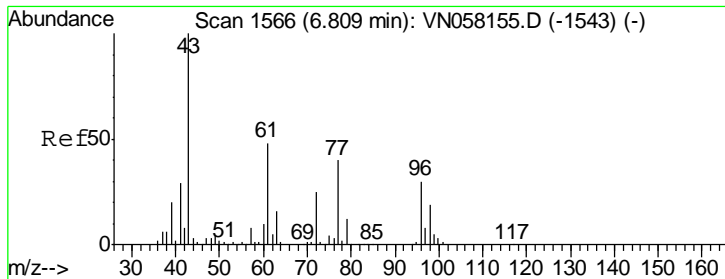
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#26
 2,2-Dichloropropane
 Concen: 113.028 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 77 Resp: 1345046
 Ion Ratio Lower Upper
 77 100
 97 21.3 10.5 31.6





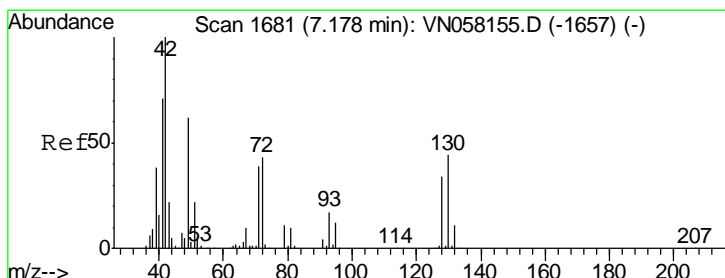
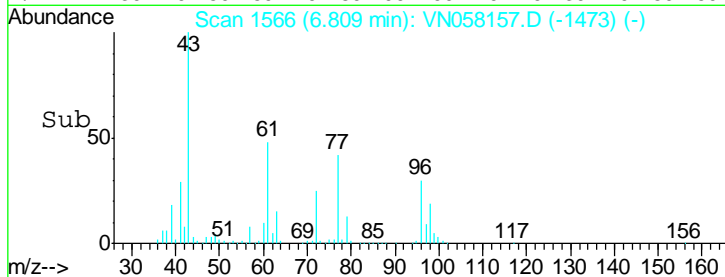
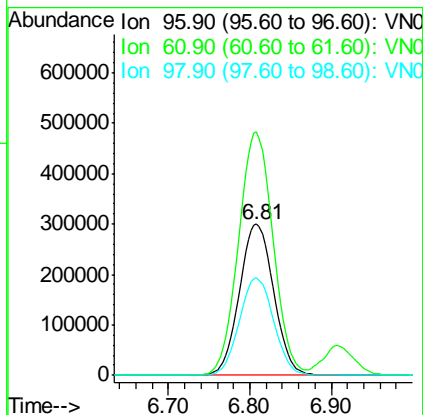
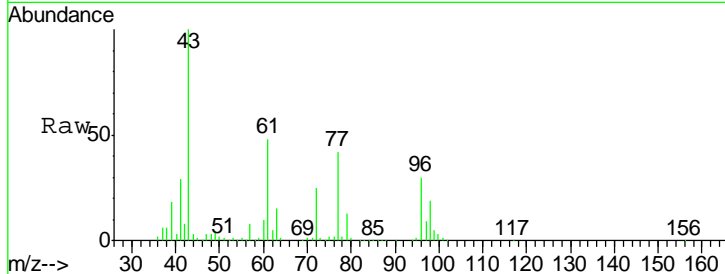
#27
 cis-1,2-Dichloroethene
 Concen: 100.193 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	100		
61	162.6	0.0	319.0
98	64.8	0.0	126.6

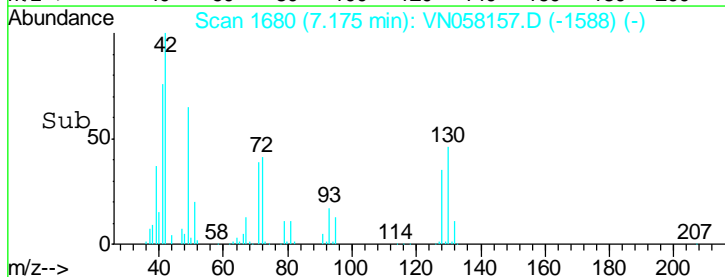
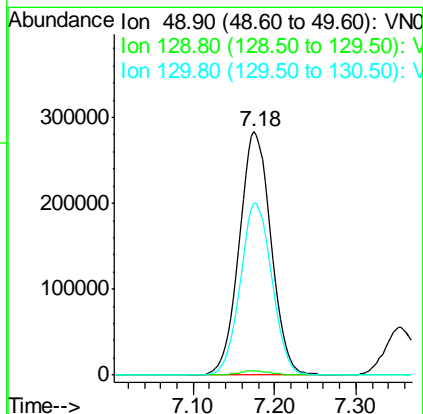
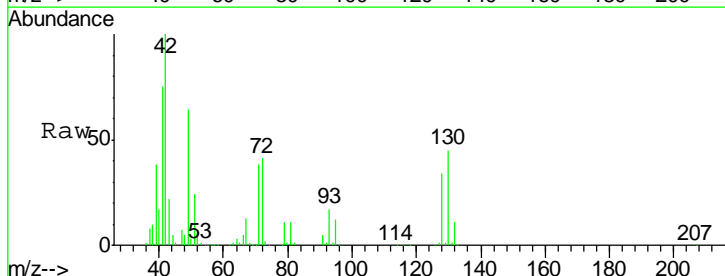
Manual Integrations
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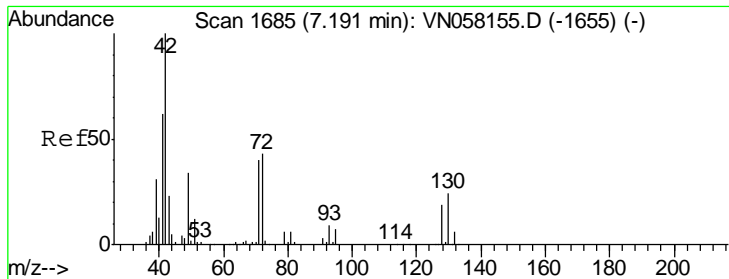
MMDadoda
 9/20/2019 1:14:33 PM



#28
 Bromochloromethane
 Concen: 101.604 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
49	100		
129	1.7	0.0	1.8
130	70.2	55.4	83.2



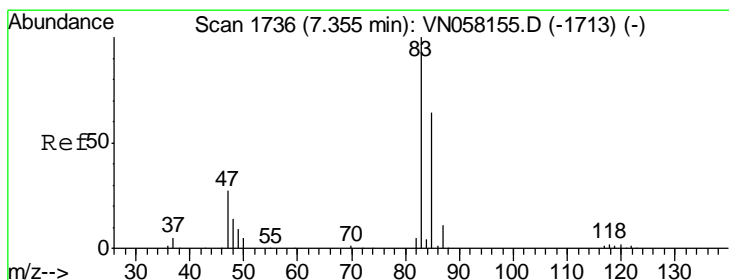
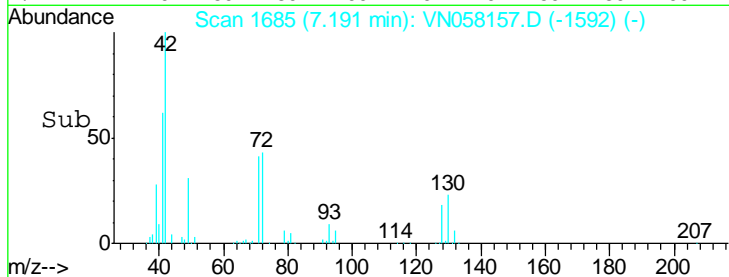
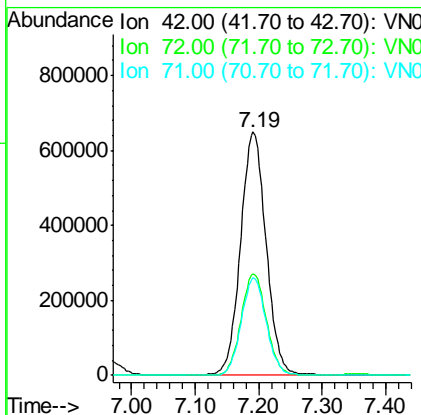
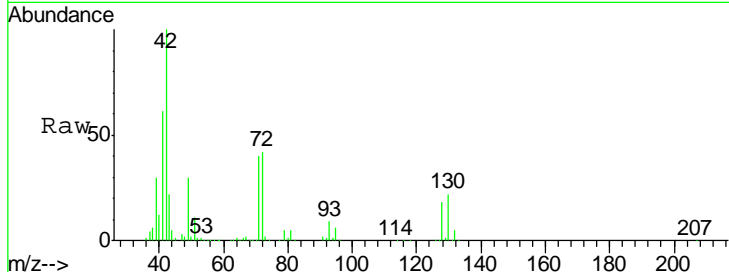


#29
 Tetrahydrofuran
 Concen: 545.458 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
42	1812312		
72	41.5	33.8	50.6
71	39.1	31.4	47.0

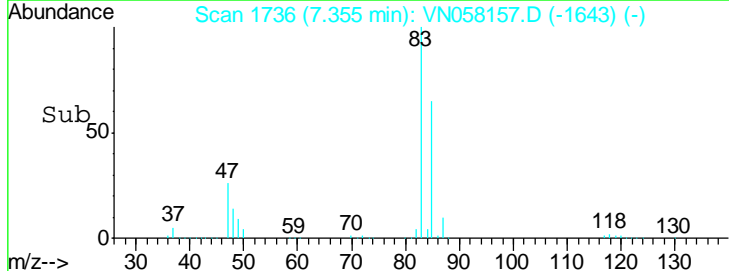
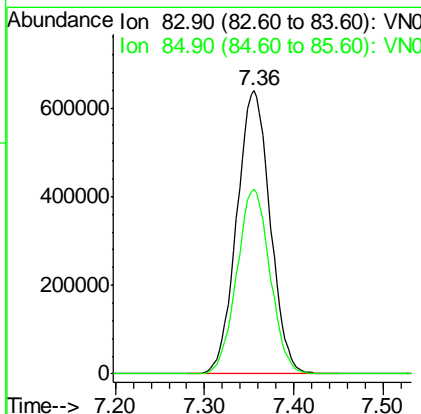
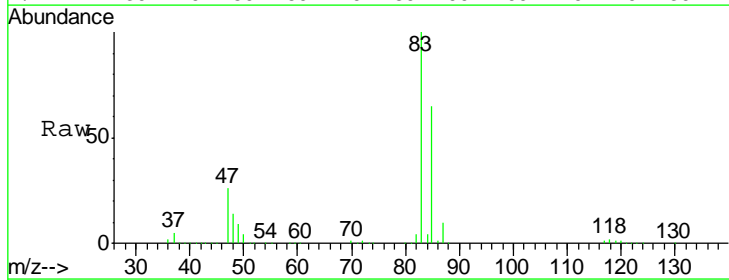
Instrument : MSVOA_N
 ClientSampled : VSTDIC150

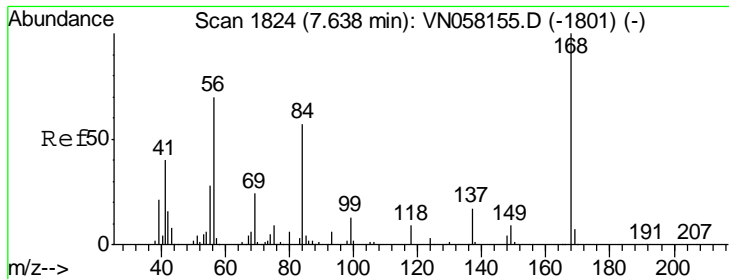
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#30
 Chloroform
 Concen: 105.374 ug/l
 RT: 7.36 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
83	1656689		
85	65.4	51.4	77.2





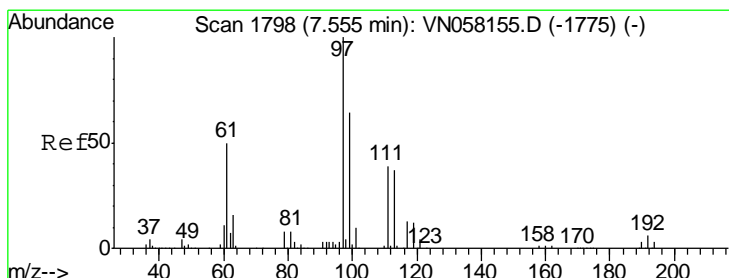
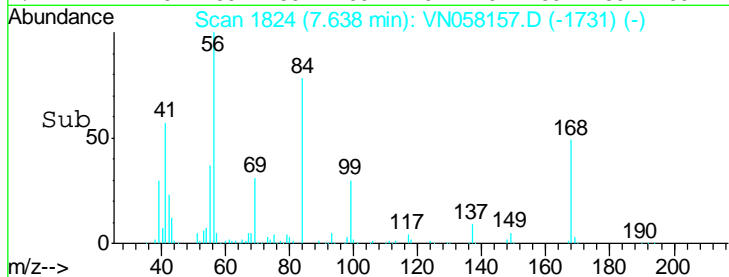
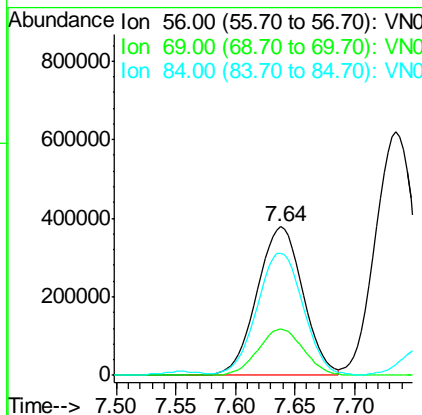
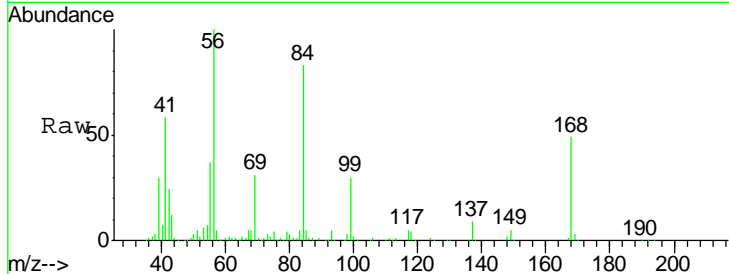
#31
 Cyclohexane
 Concen: 91.452 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion:	56	Resp:	1010196
Ion Ratio		Lower	Upper
56	100		
69	31.3	27.3	40.9
84	80.5	65.0	97.4

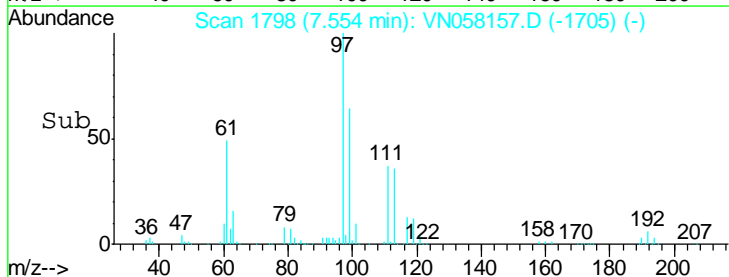
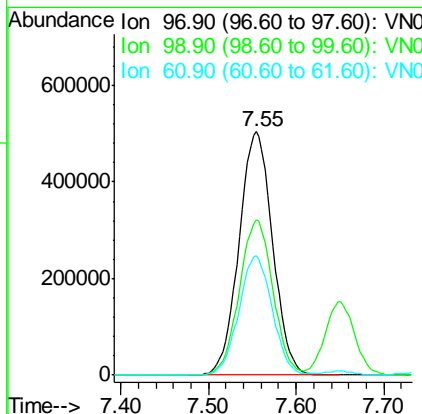
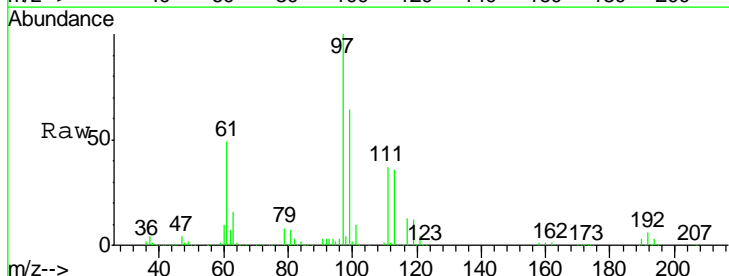
Manual Integrations
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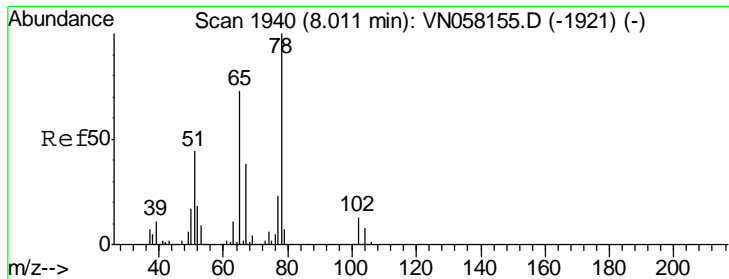
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 9/20/2019 1:14:33 PM



#32
 1,1,1-Trichloroethane
 Concen: 107.610 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion:	97	Resp:	1340807
Ion Ratio		Lower	Upper
97	100		
99	63.8	50.9	76.3
61	48.8	39.2	58.8





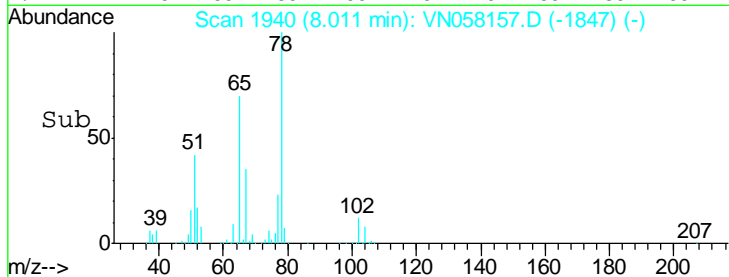
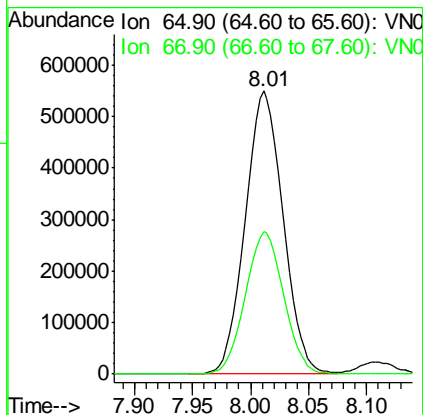
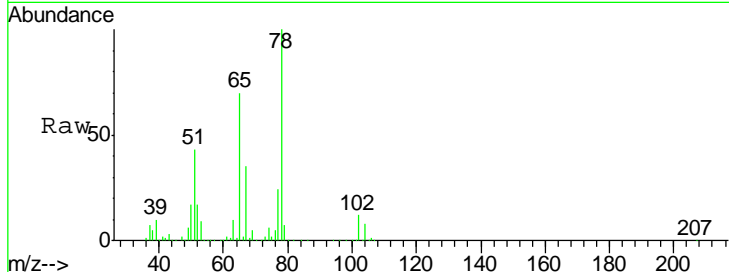
#33
 1,2-Dichloroethane-d4
 Concen: 110.565 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
65	1253288		
65	100		
67	50.9	0.0	103.4

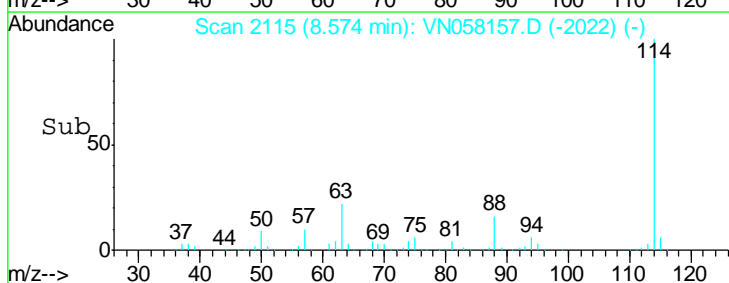
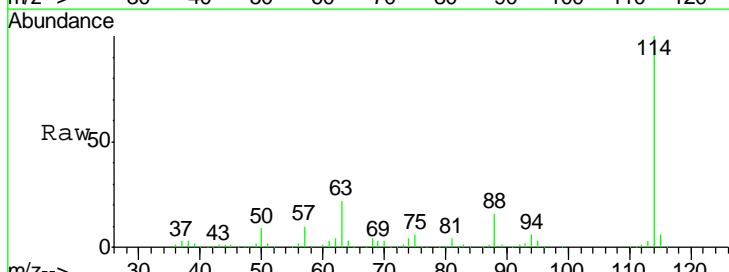
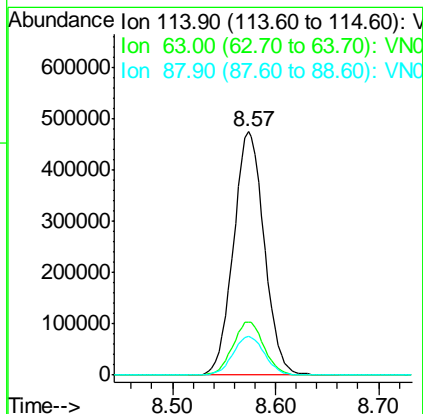
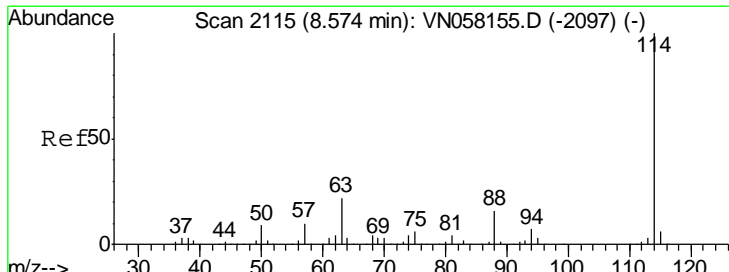
Manual Integrations
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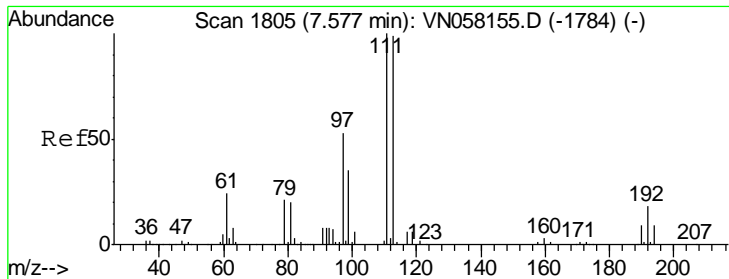
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
114	986222		
114	100		
63	22.0	0.0	44.2
88	15.9	0.0	31.6





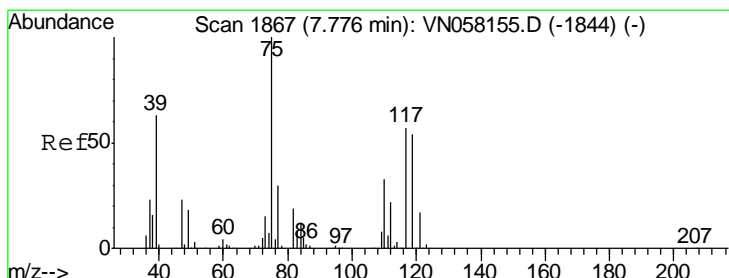
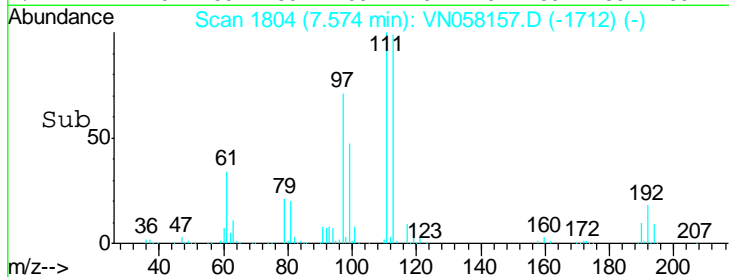
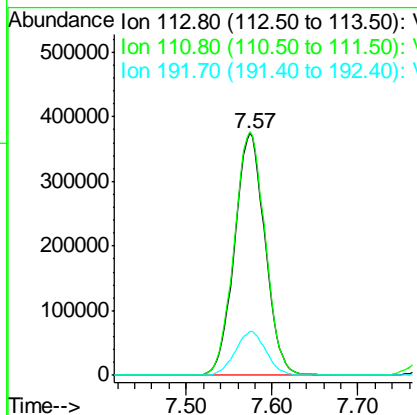
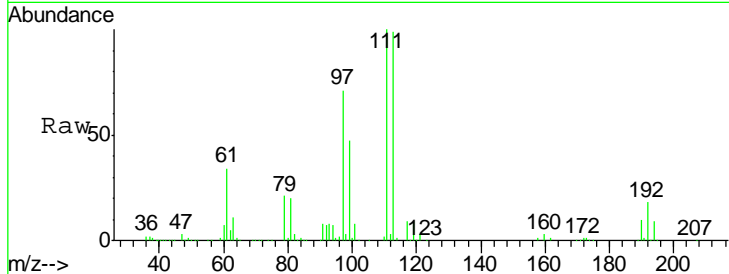
#35
 Dibromofluoromethane
 Concen: 108.234 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
113	921807		
113	100		
111	102.5	81.8	122.6
192	18.3	14.5	21.7

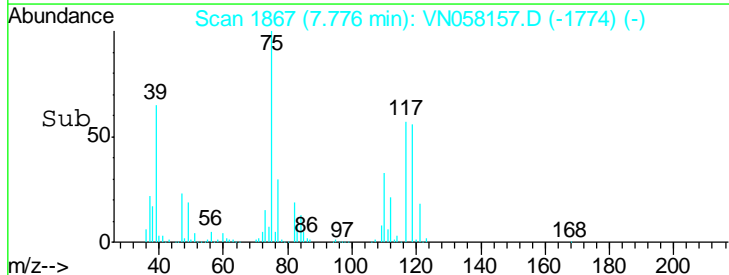
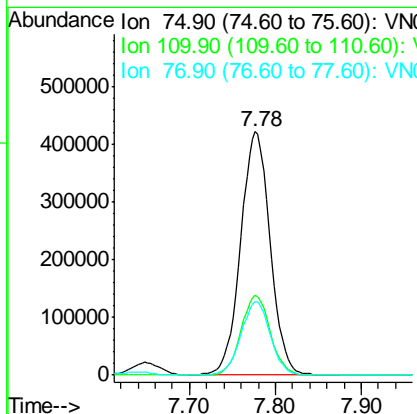
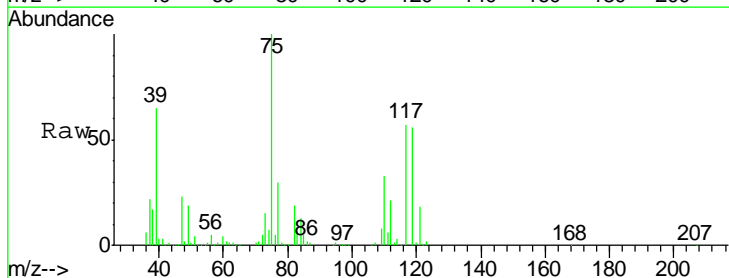
Manual Integrations
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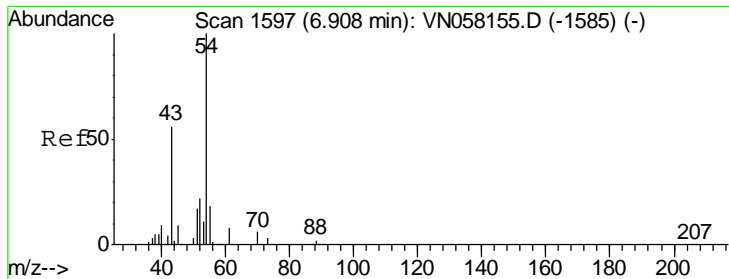
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#36
 1,1-Dichloropropene
 Concen: 93.411 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
75	1001159		
75	100		
110	32.6	16.6	49.7
77	30.5	24.3	36.5





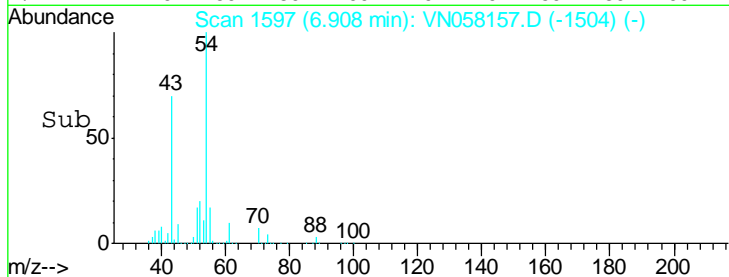
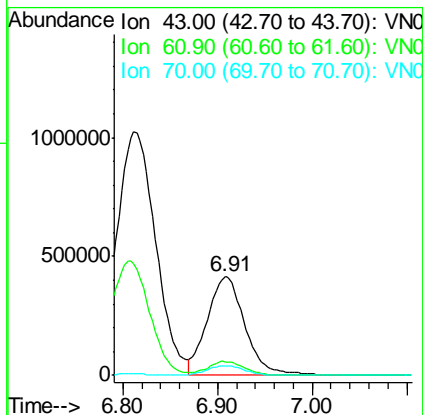
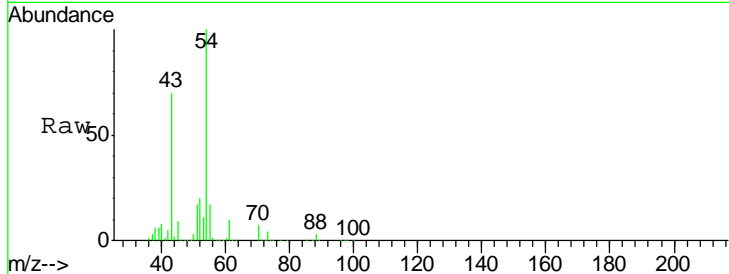
#37
Ethyl Acetate
Concen: 102.373 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	9.9	7.6	11.4

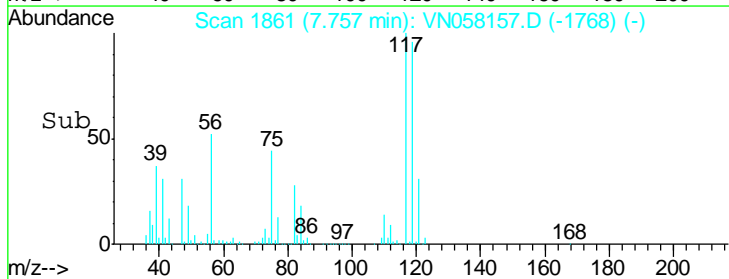
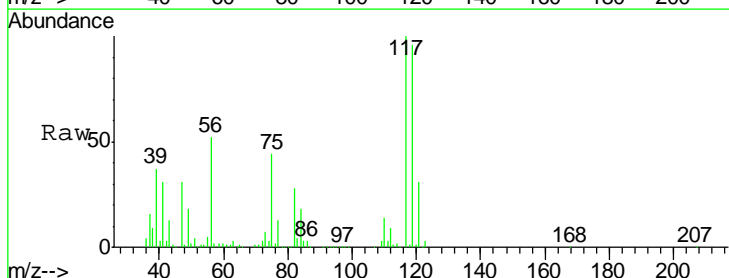
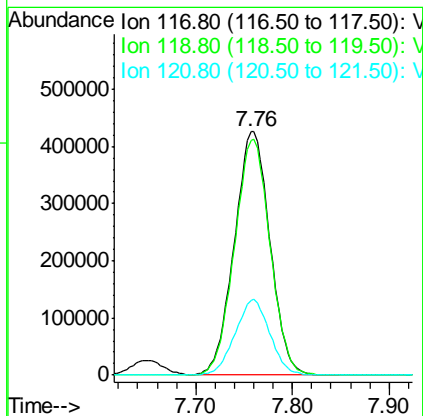
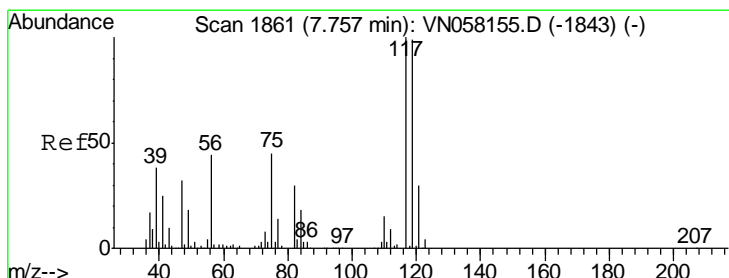
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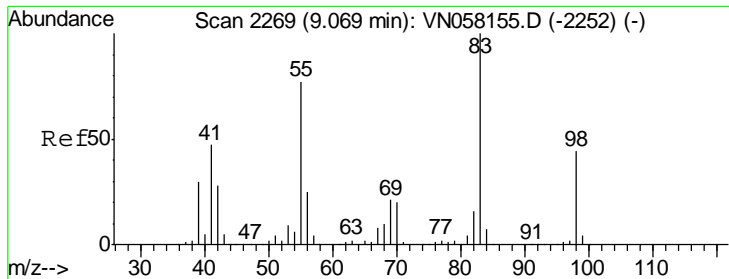
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#38
Carbon Tetrachloride
Concen: 110.473 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
117	100		
119	96.4	78.6	117.8
121	30.8	24.1	36.1





#39
 Methylcyclohexane
 Concen: 92.578 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

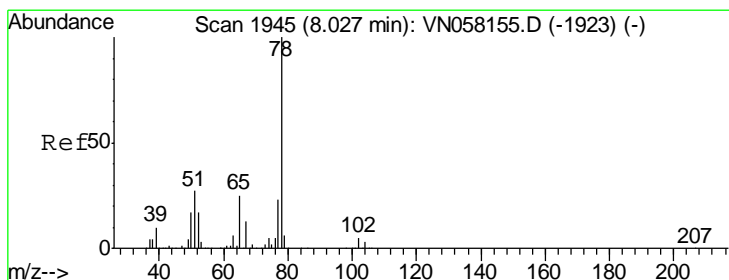
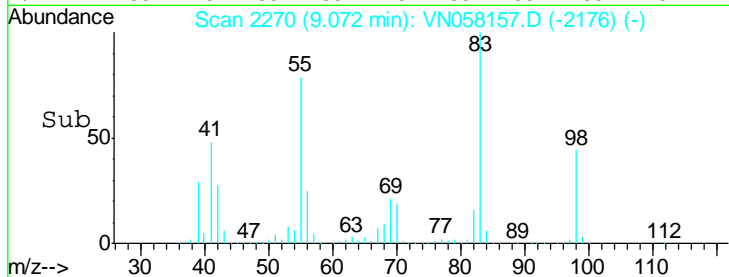
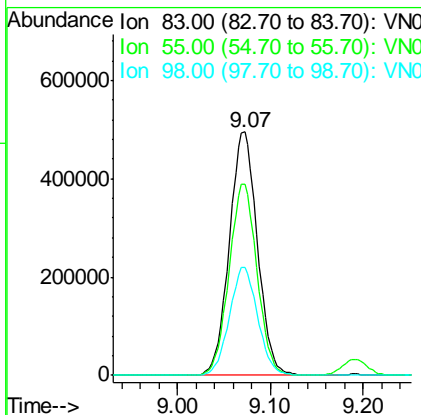
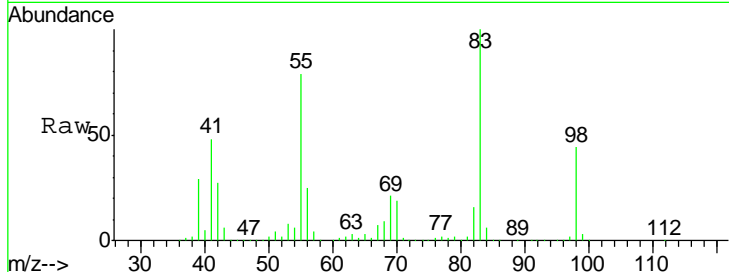
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 83 Resp: 1040458

Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.9	92.9
98	44.2	35.4	53.2

Manual Integrations
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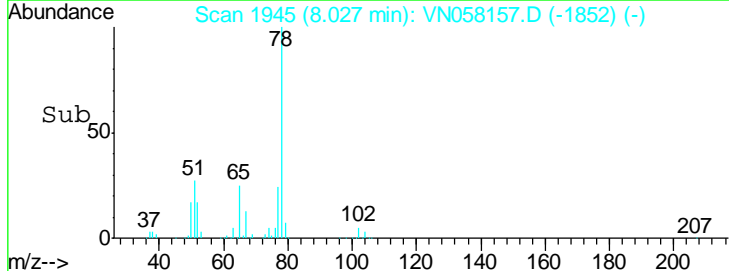
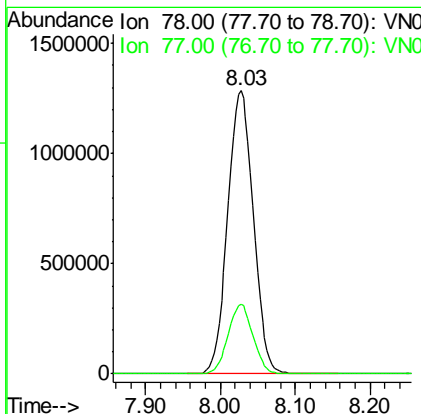
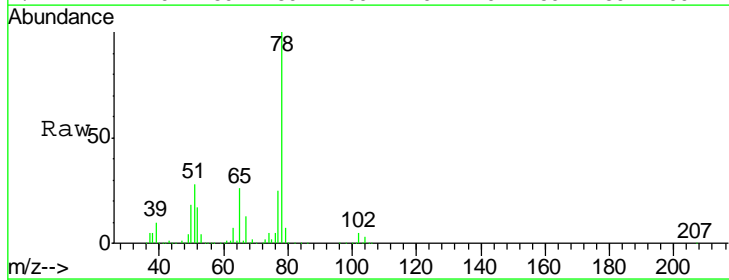
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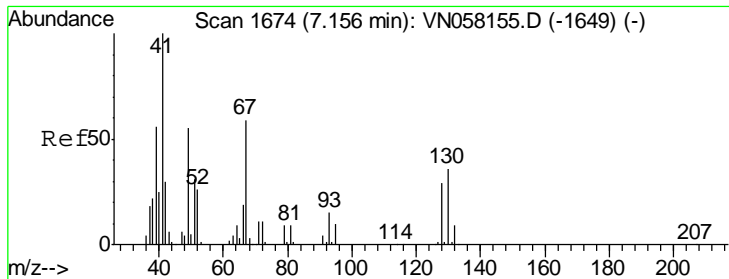


#40
 Benzene
 Concen: 94.990 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 78 Resp: 3065162

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2



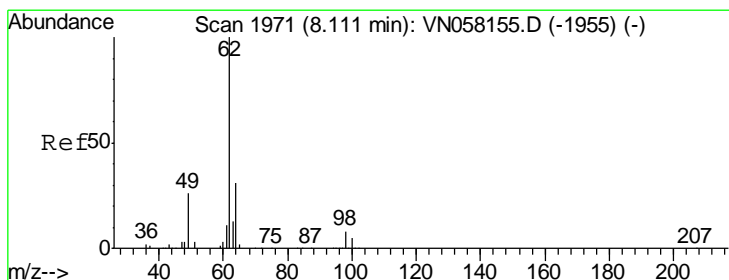
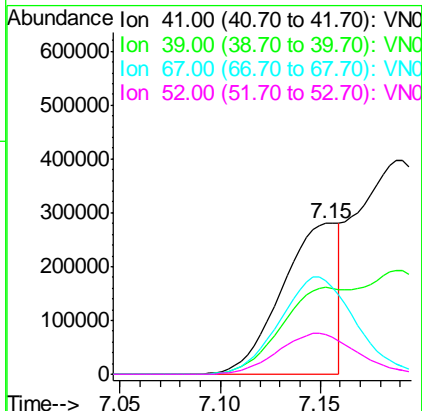
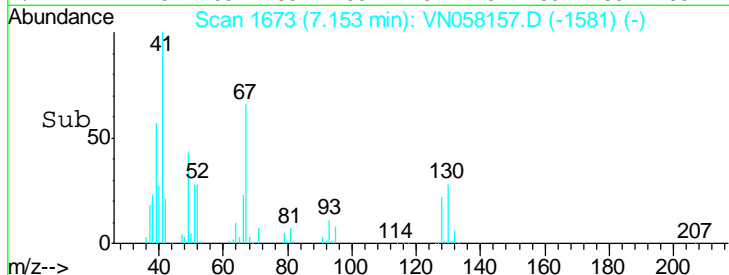
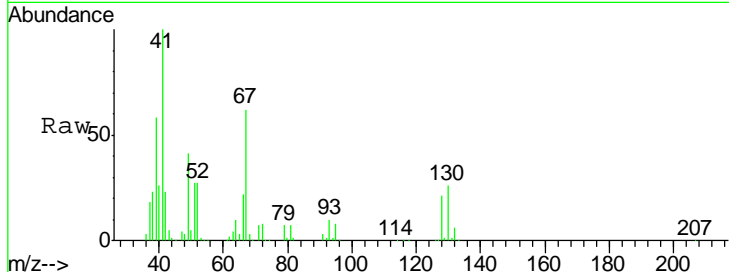


#41
 Methacrylonitrile
 Concen: 109.785 ug/l m
 RT: 7.15 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

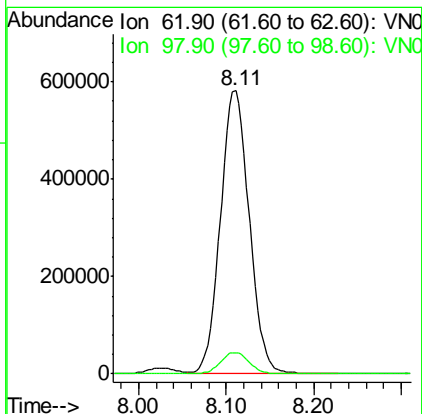
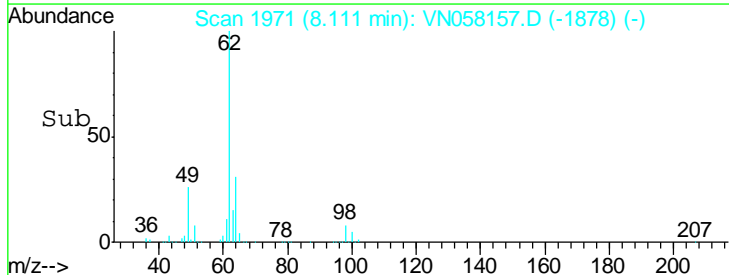
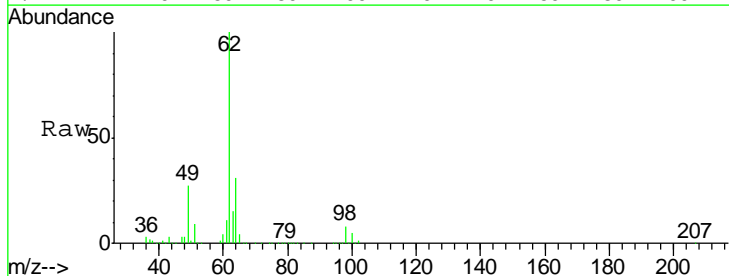
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

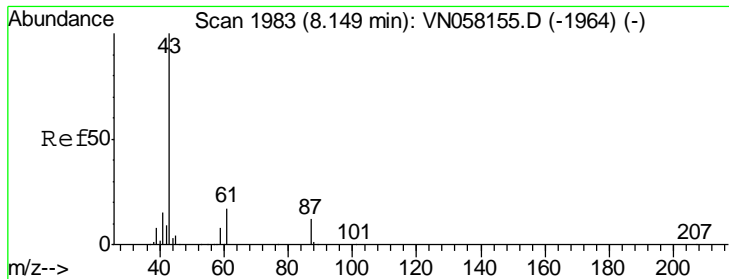
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#42
 1,2-Dichloroethane
 Concen: 102.847 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
62	100		
98	7.7	0.0	15.6





#43
 Isopropyl Acetate
 Concen: 111.801 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

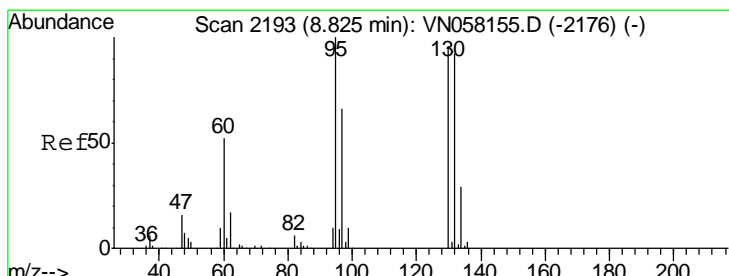
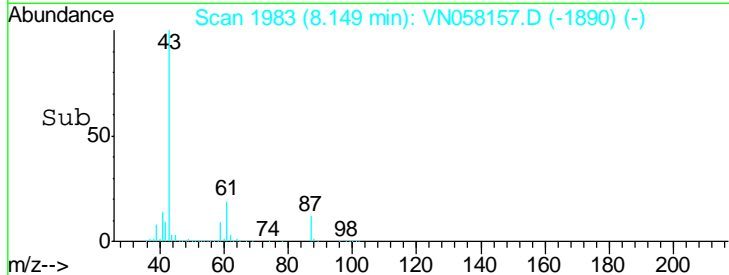
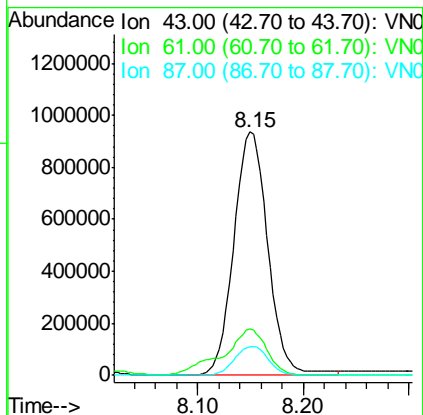
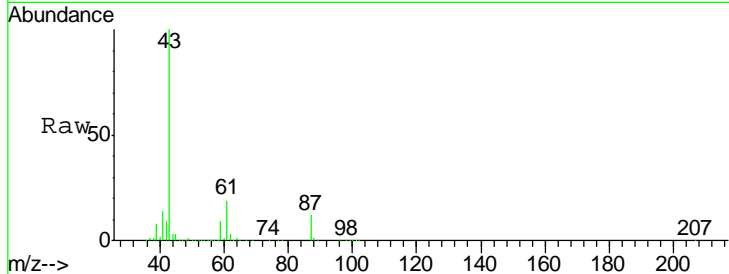
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp: 2089514

Ion	Ratio	Lower	Upper
43	100		
61	24.6	19.7	29.5
87	12.0	9.4	14.2

Manual Integrations
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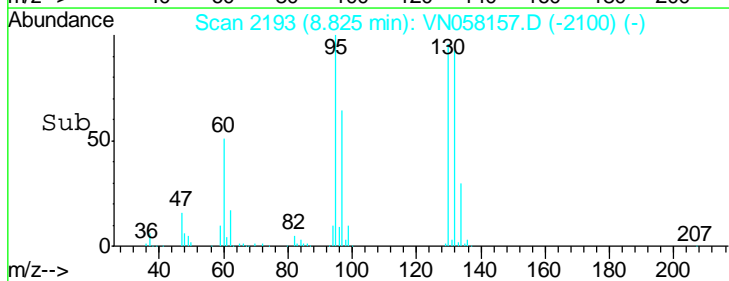
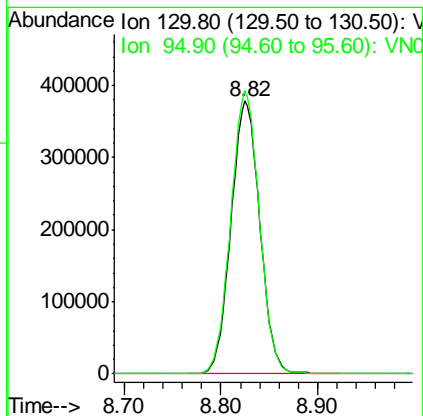
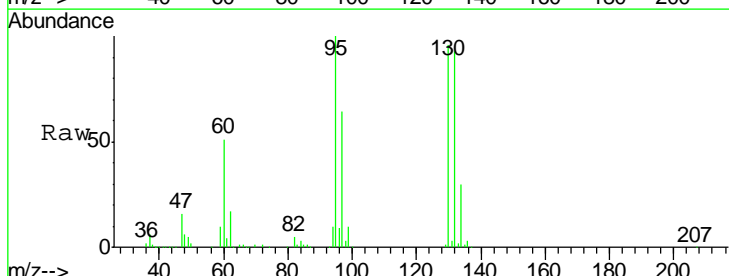
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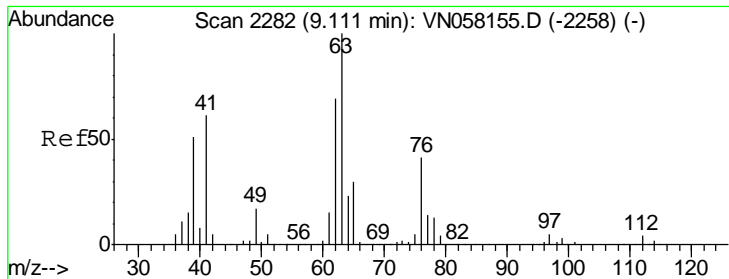


#44
 Trichloroethene
 Concen: 98.491 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 130 Resp: 781723

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	207.8





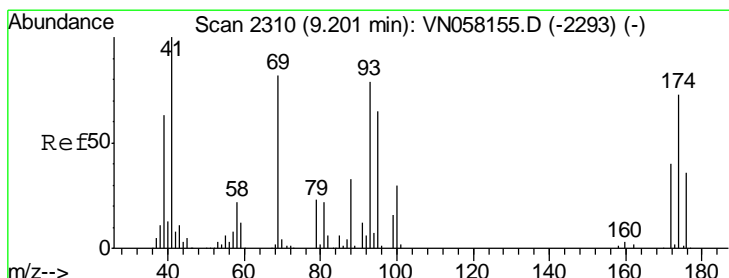
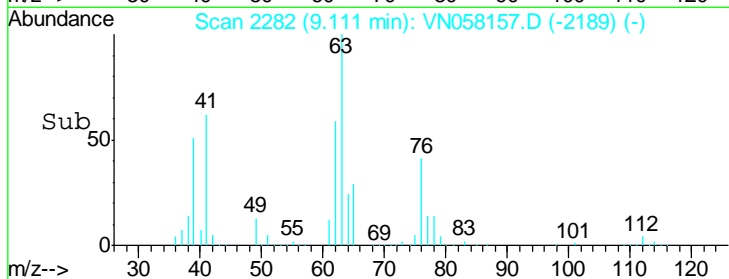
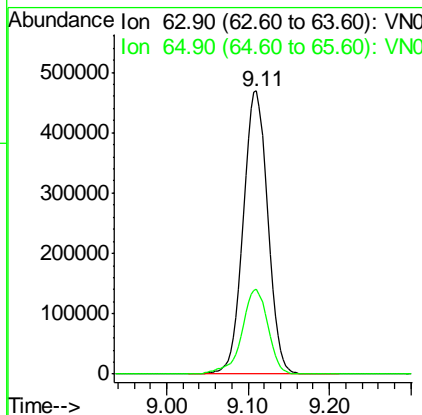
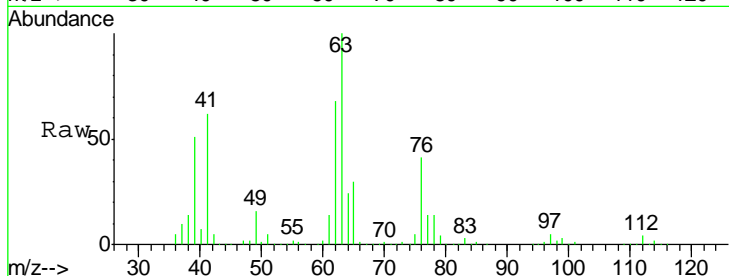
#45
 1,2-Dichloropropane
 Concen: 102.662 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
63	100		
65	29.8	23.8	35.6

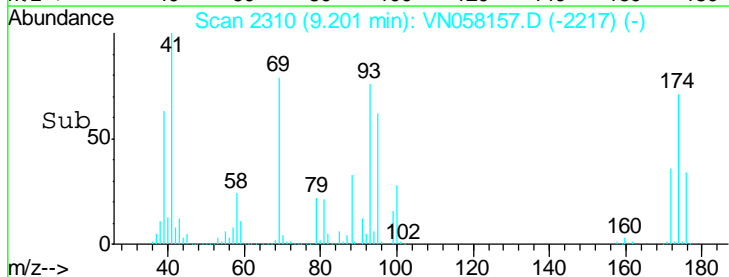
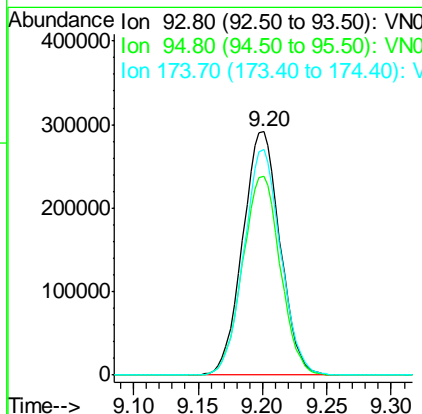
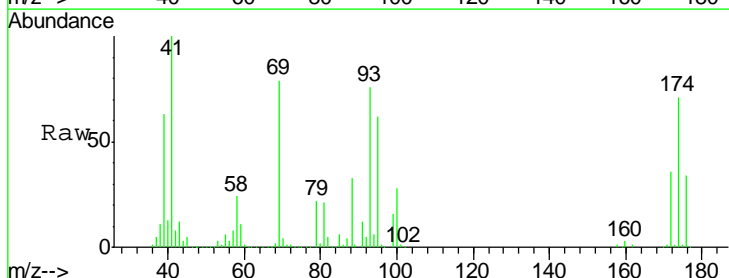
Manual Integrations
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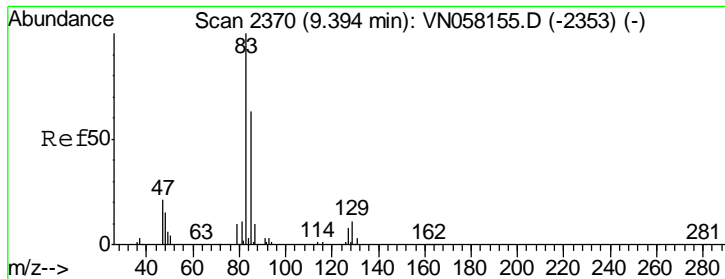
MMDadoda
 9/20/2019 1:14:33 PM



#46
 Dibromomethane
 Concen: 103.514 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
93	100		
95	82.3	66.8	100.2
174	91.6	73.8	110.8





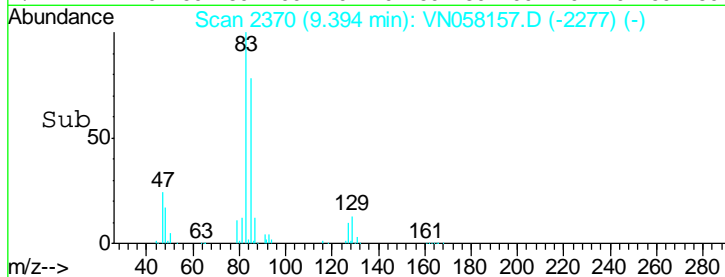
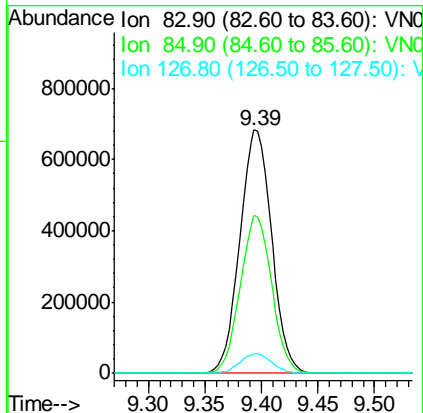
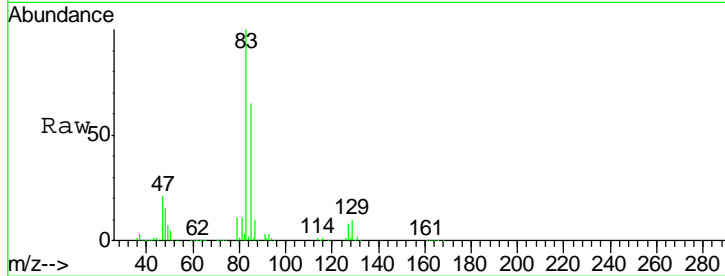
#47
 Bromodichloromethane
 Concen: 118.110 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.7	50.1	75.1
127	8.1	6.4	9.6

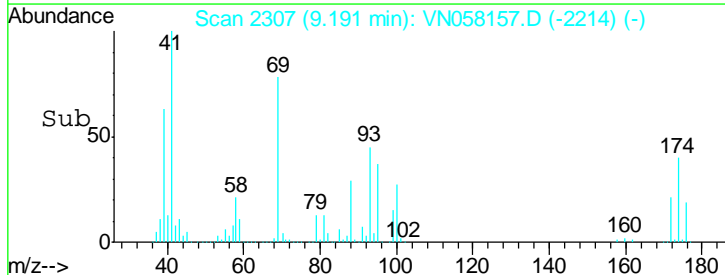
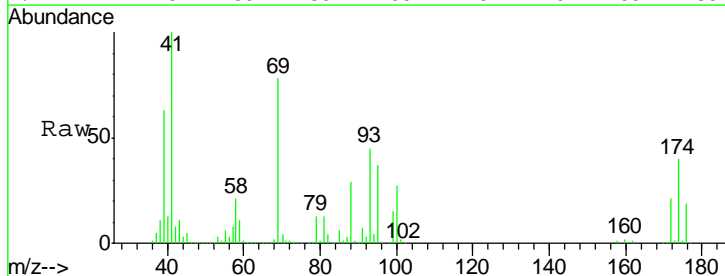
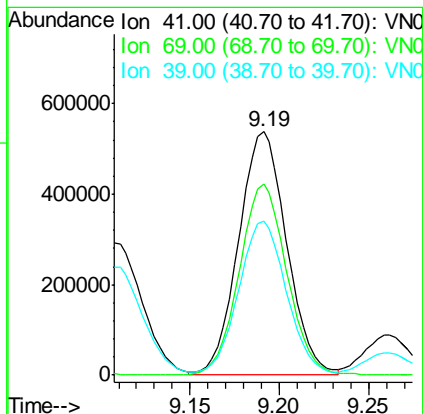
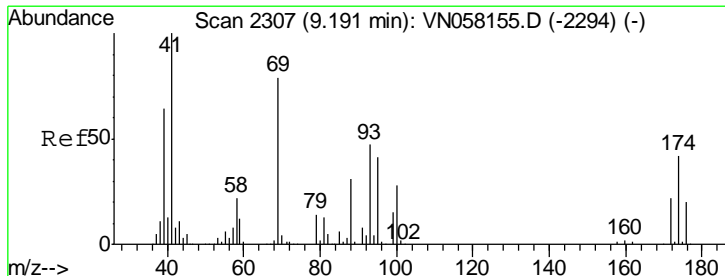
Manual Integrations
 APPROVED

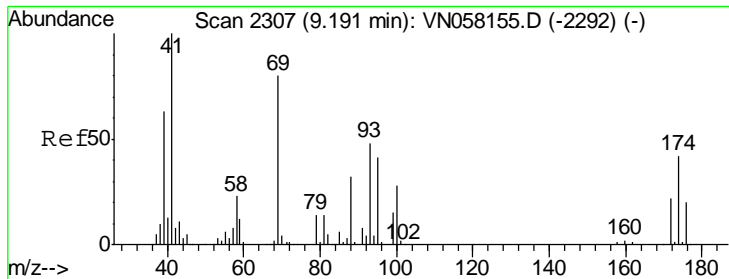
MMDadoda
 9/20/2019 1:14:33 PM



#48
 Methyl methacrylate
 Concen: 106.672 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
41	100		
69	78.0	62.5	93.7
39	63.6	52.3	78.5





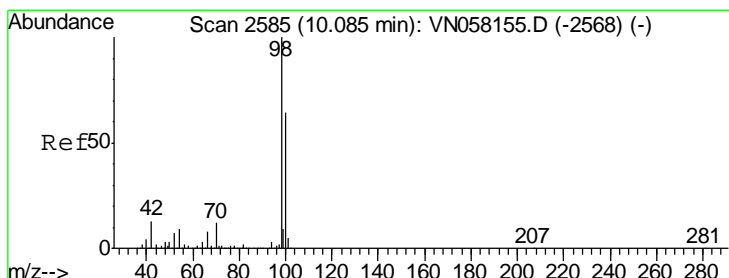
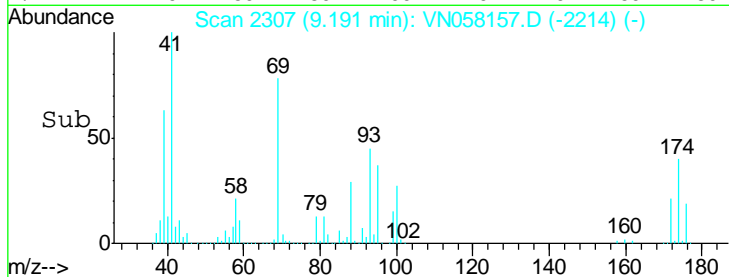
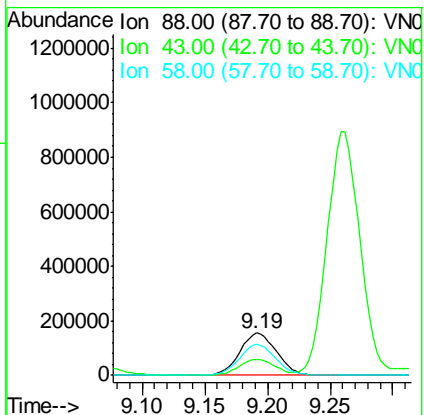
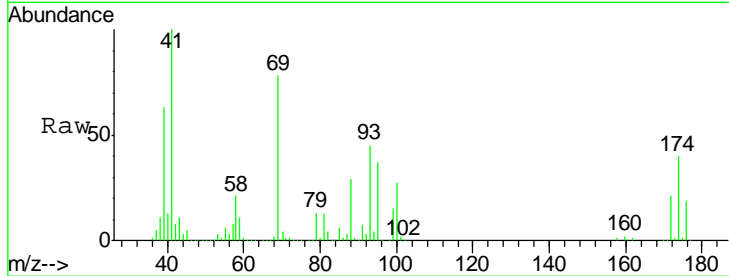
#49
 1,4-Dioxane
 Concen: 1981.303 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Tgt Ion	Resp	Lower	Upper
88	317385		
88	100		
43	36.2	27.8	41.8
58	71.6	55.0	82.4

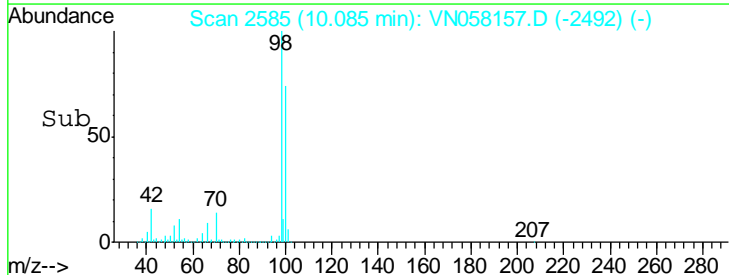
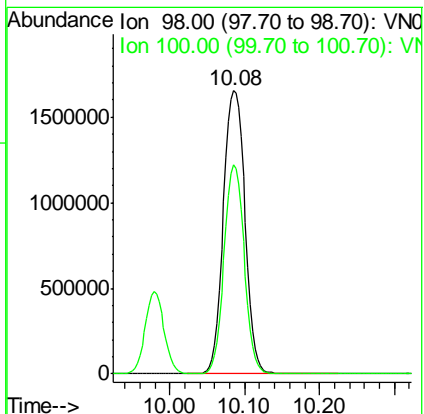
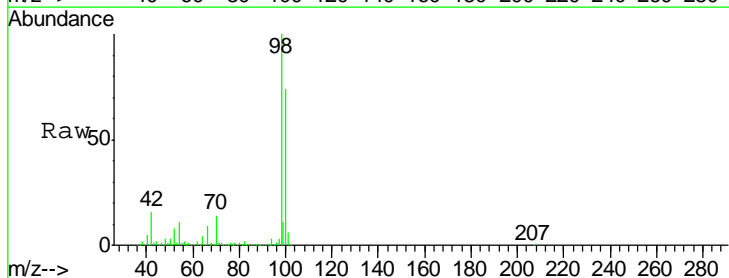
Manual Integrations
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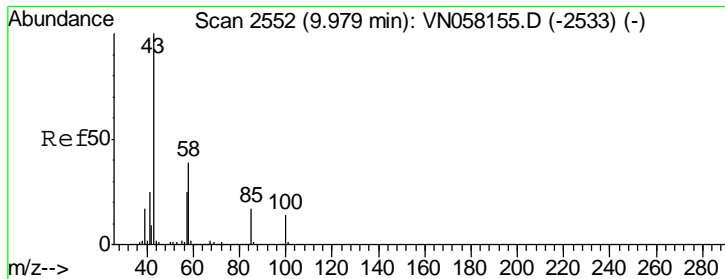
MMDadoda
 9/20/2019 1:14:33 PM



#50
 Toluene-d8
 Concen: 100.453 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

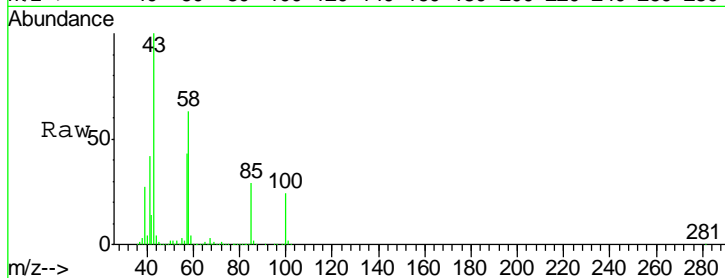
Tgt Ion	Resp	Lower	Upper
98	3305577		
98	100		
100	68.9	51.1	76.7





#51
 4-Methyl-2-Pentanone
 Concen: 417.812 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

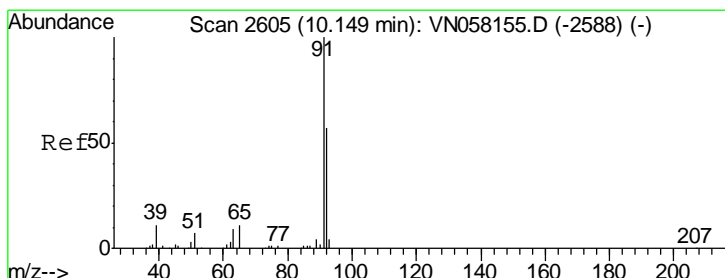
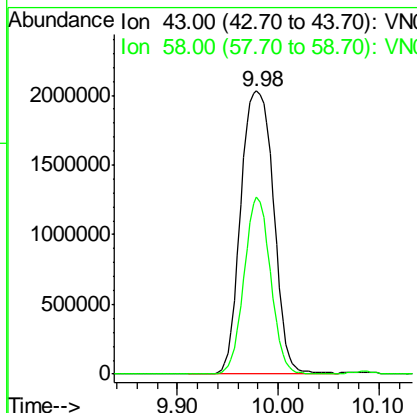
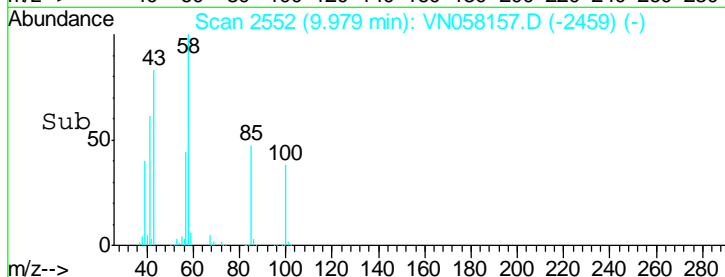
Instrument : MSVOA_N
 ClientSampled : VSTDIC150



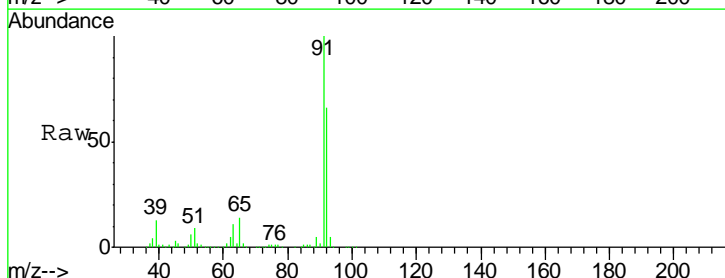
Tgt Ion: 43 Resp: 4569007
 Ion Ratio Lower Upper
 43 100
 58 50.5 30.2 45.4#

Manual Integrations
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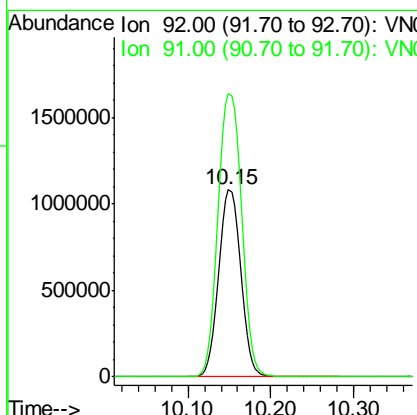
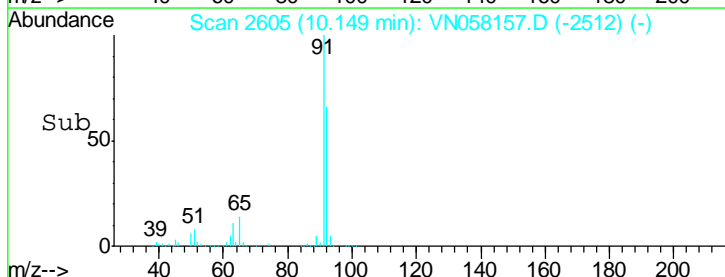
MMDadoda
 9/20/2019 1:14:33 PM

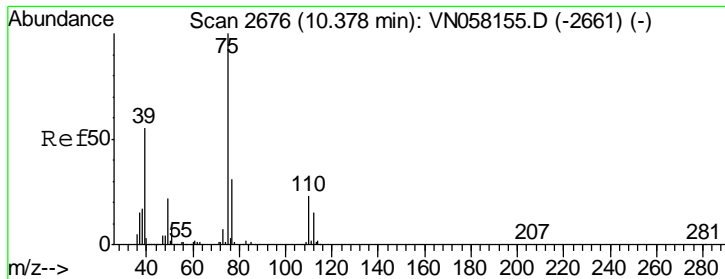


#52
 Toluene
 Concen: 98.366 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11



Tgt Ion: 92 Resp: 1996964
 Ion Ratio Lower Upper
 92 100
 91 162.4 140.2 210.2





#53
 t-1,3-Dichloropropene
 Concen: 123.294 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

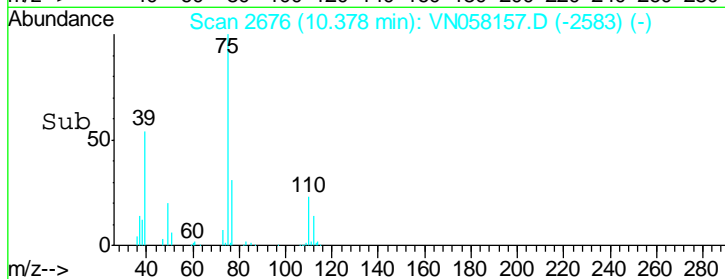
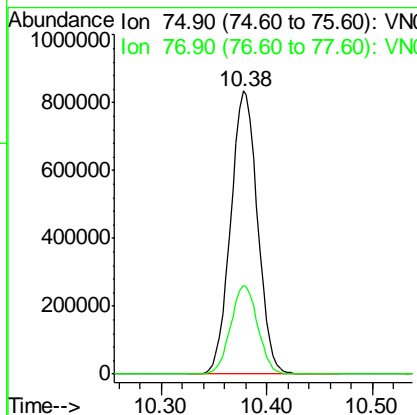
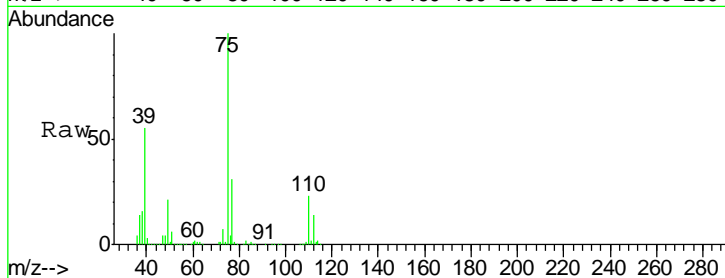
Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion: 75 Resp: 1467911

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3

Manual Integrations
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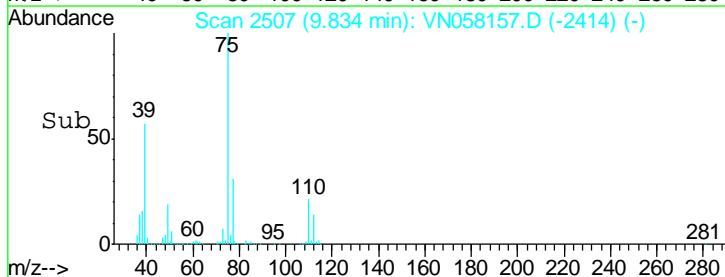
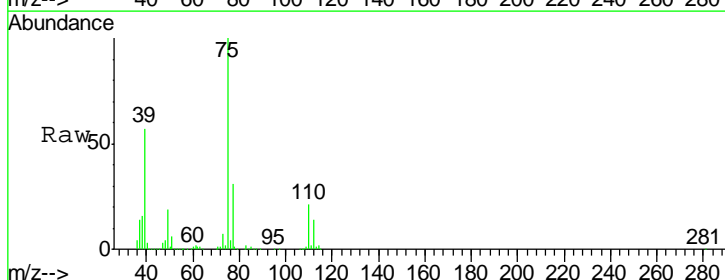
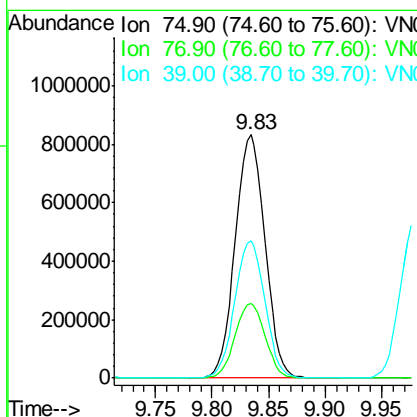
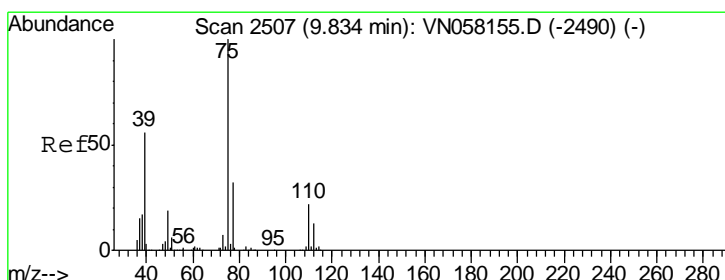
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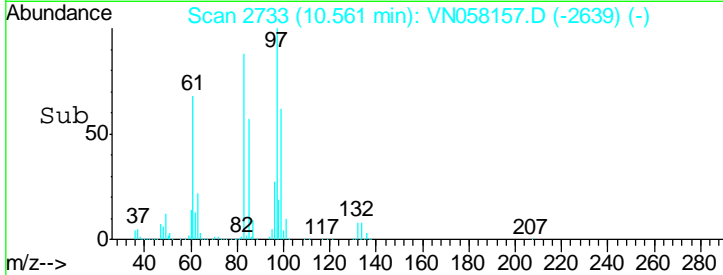
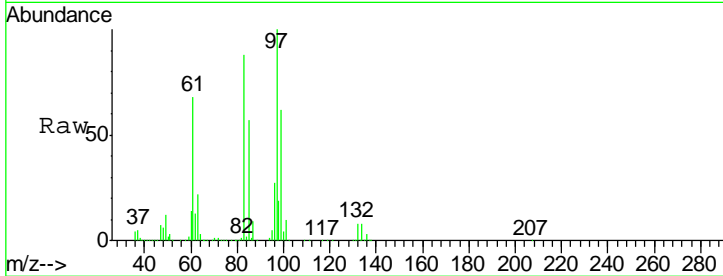
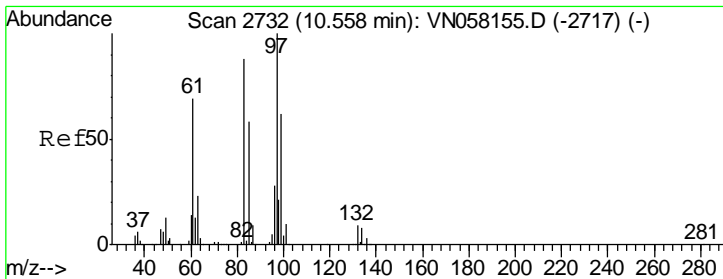


#54
 cis-1,3-Dichloropropene
 Concen: 116.636 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 75 Resp: 1534036

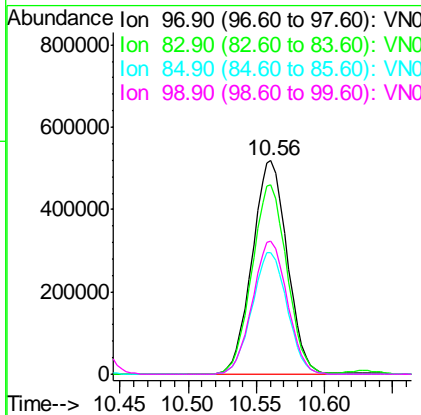
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0
39	56.6	45.0	67.6





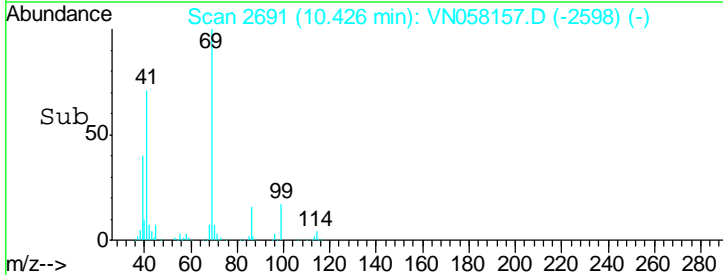
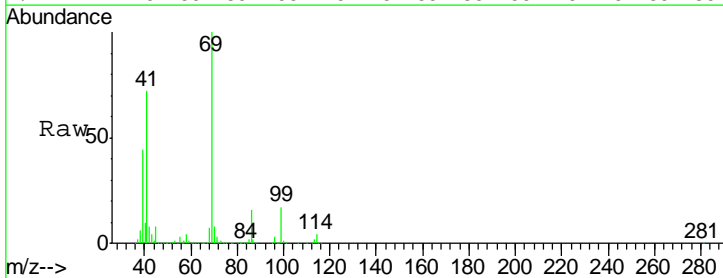
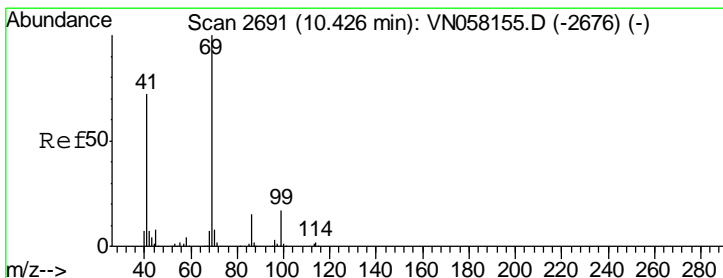
#55
 1,1,2-Trichloroethane
 Concen: 107.528 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
97	100		
83	88.4	70.4	105.6
85	57.2	46.8	70.2
99	62.4	49.9	74.9



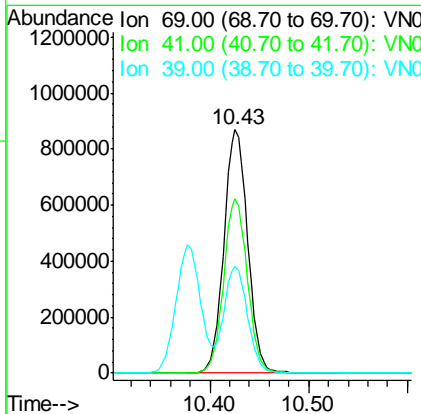
Instrument : MSVOA_N
 ClientSampled : VN058157.D
 VSTDIC150

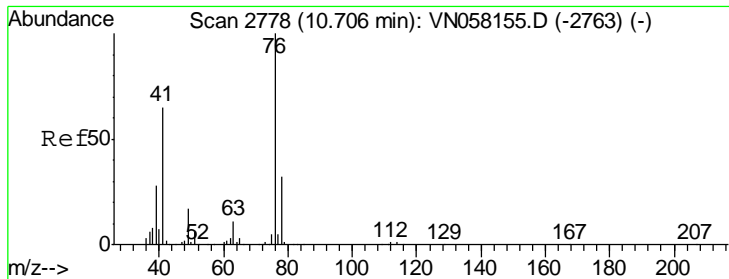
Manual Integrations
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 9/20/2019 1:14:33 PM



#56
 Ethyl methacrylate
 Concen: 113.093 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
69	100		
41	71.3	57.5	86.3
39	43.7	36.1	54.1





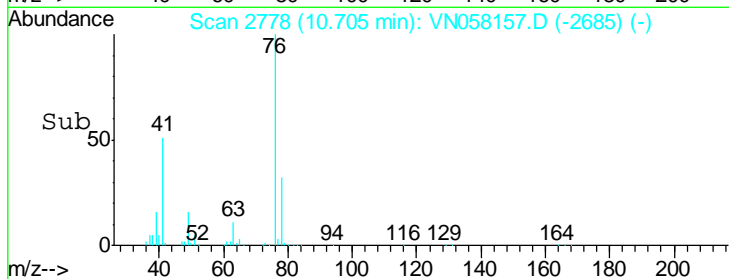
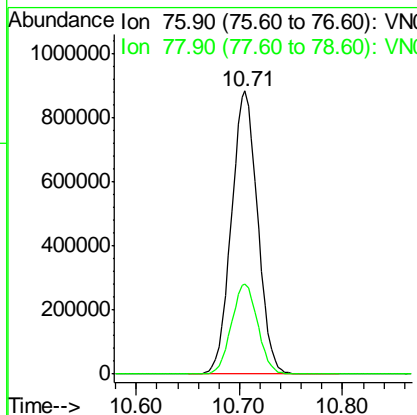
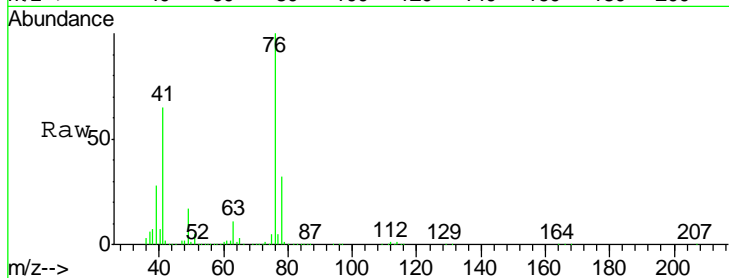
#57
 1,3-Dichloropropane
 Concen: 105.080 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	1559725		
76	100		
78	32.1	25.4	38.0

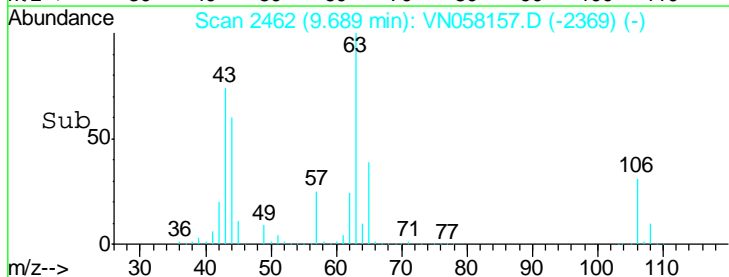
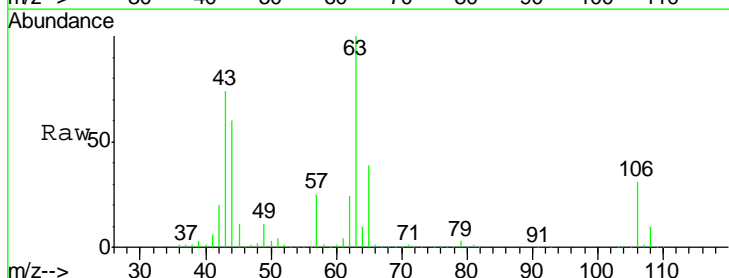
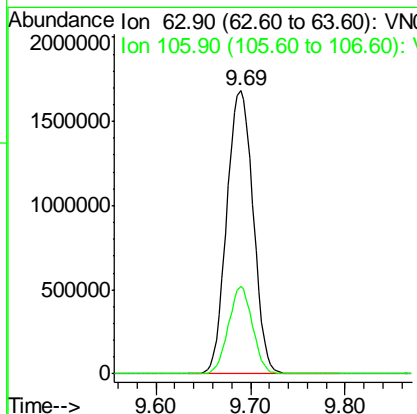
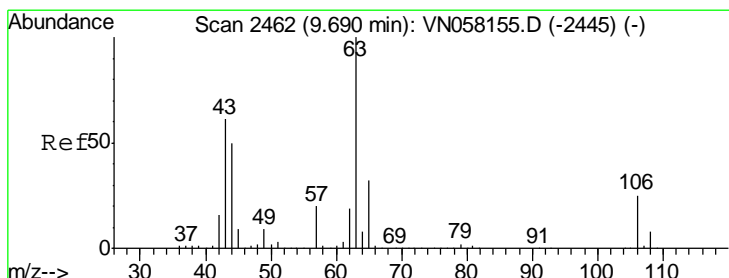
Manual Integrations
APPROVED

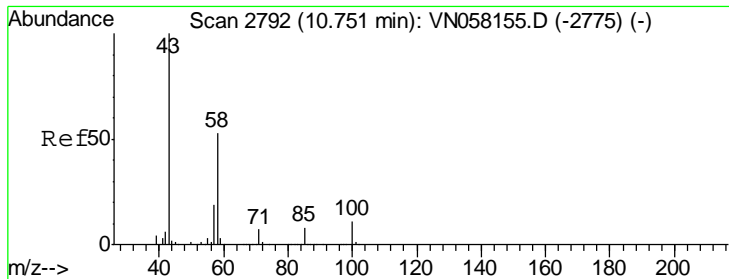
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#58
 2-Chloroethyl Vinyl ether
 Concen: 542.039 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
63	3262090		
63	100		
106	28.2	19.9	29.9





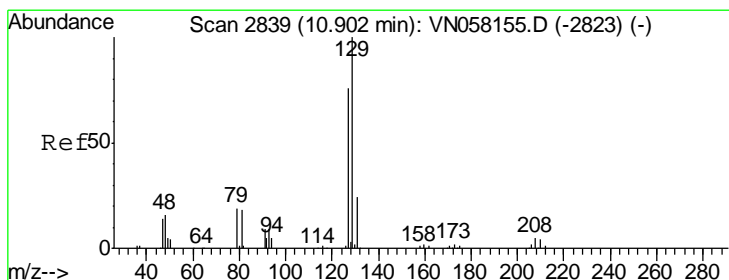
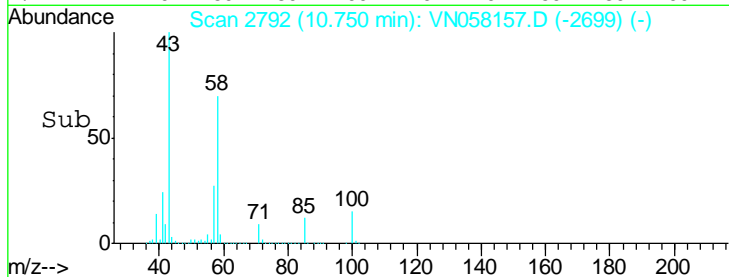
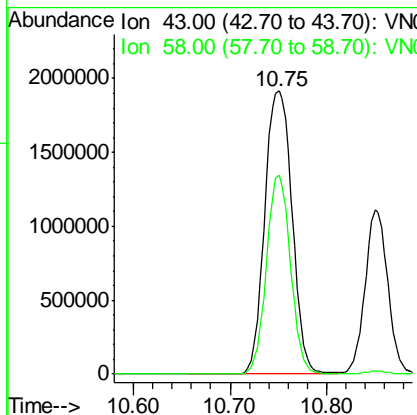
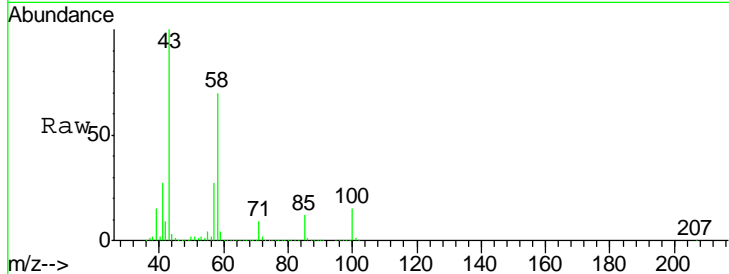
#59
 2-Hexanone
 Concen: 459.668 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	62.0	26.0	78.0

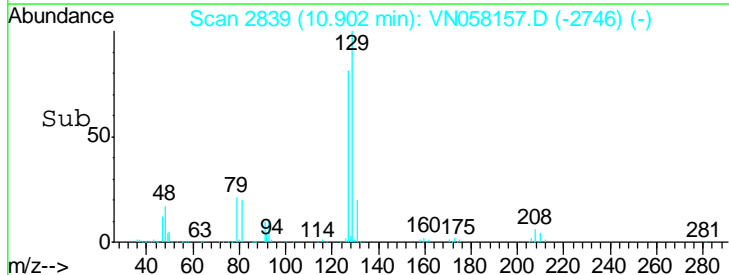
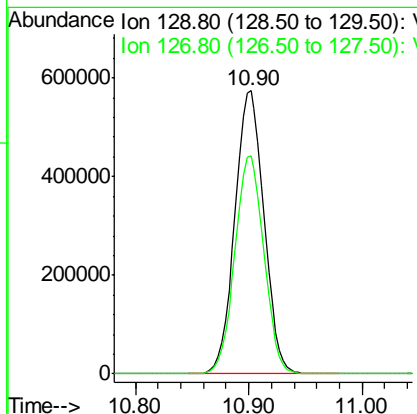
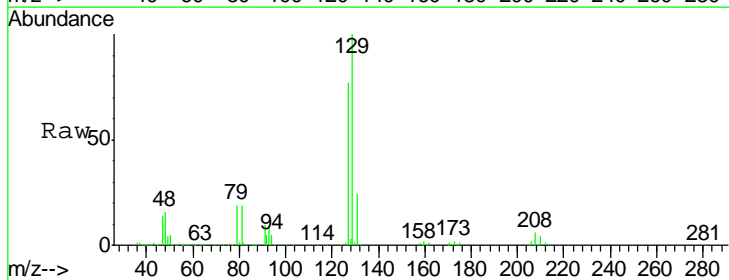
Manual Integrations
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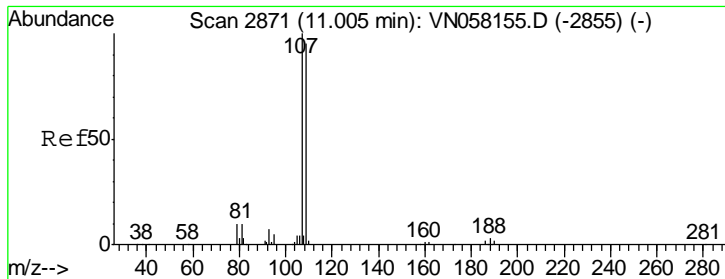
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 9/20/2019 1:14:33 PM



#60
 Dibromochloromethane
 Concen: 128.973 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.9	38.7	116.1





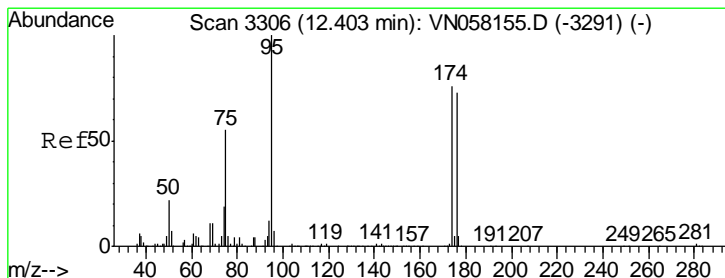
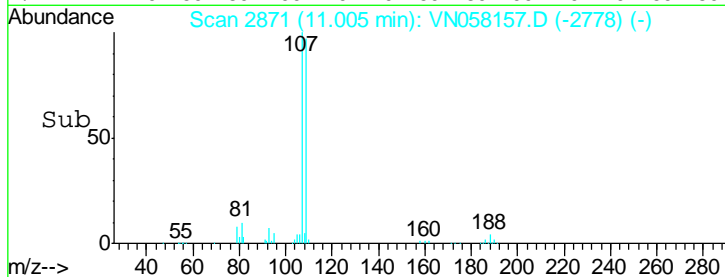
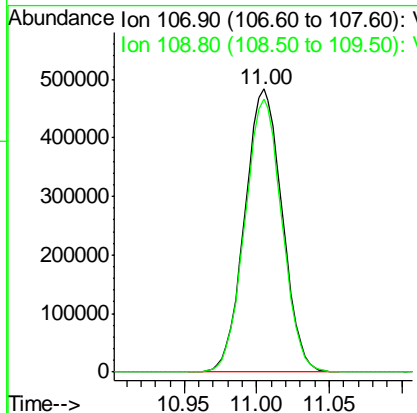
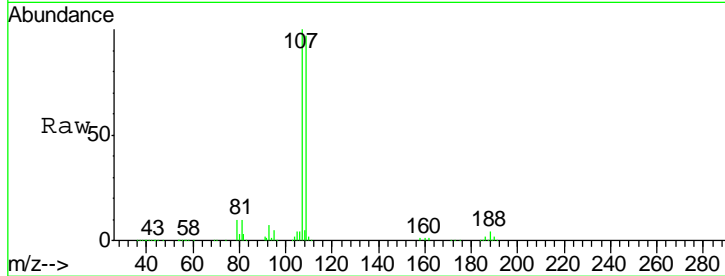
#61
 1,2-Dibromoethane
 Concen: 107.075 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.6	75.4	113.2

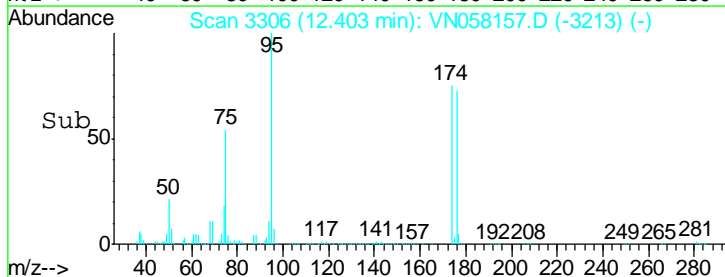
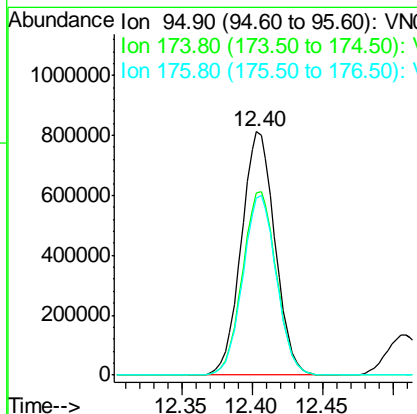
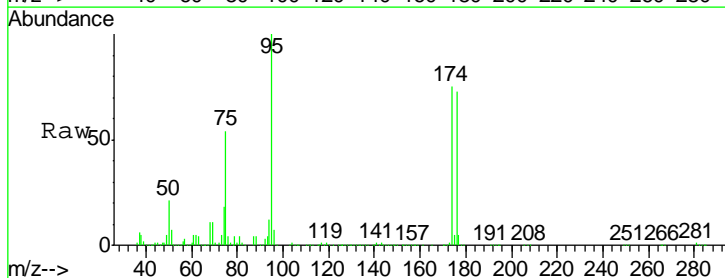
Manual Integrations
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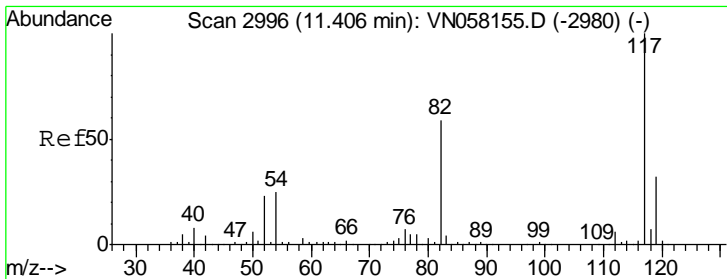
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#62
 4-Bromofluorobenzene
 Concen: 107.212 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
95	100		
174	75.8	0.0	152.2
176	73.7	0.0	148.0





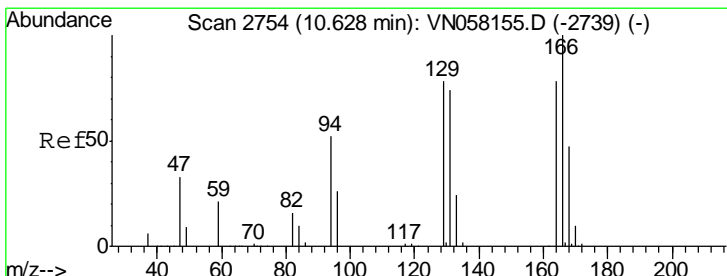
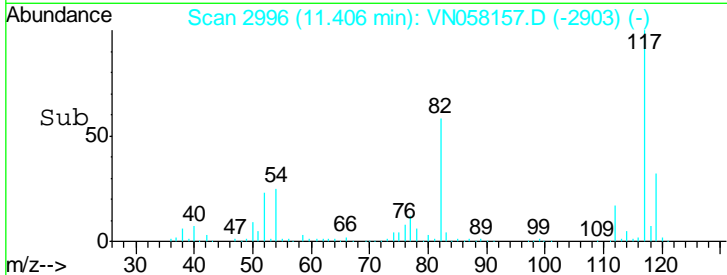
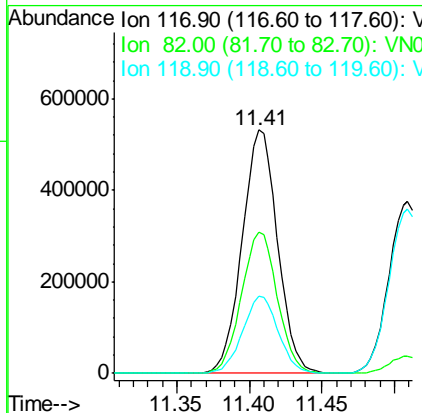
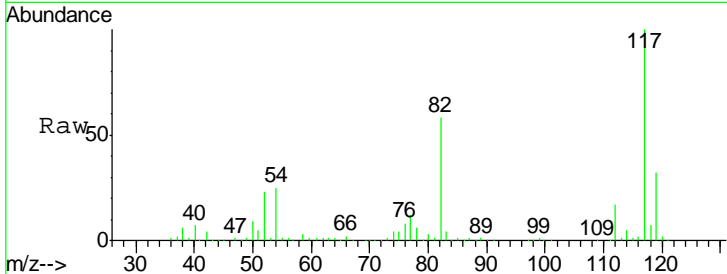
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
117	100		
82	58.1	46.9	70.3
119	31.6	25.3	37.9

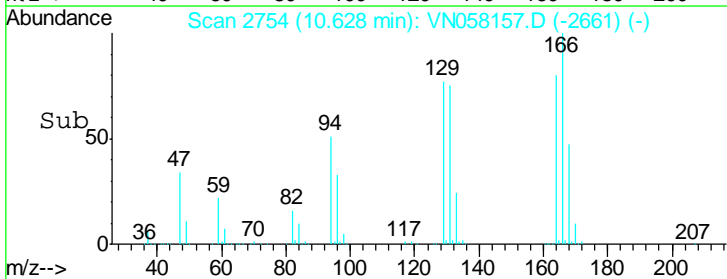
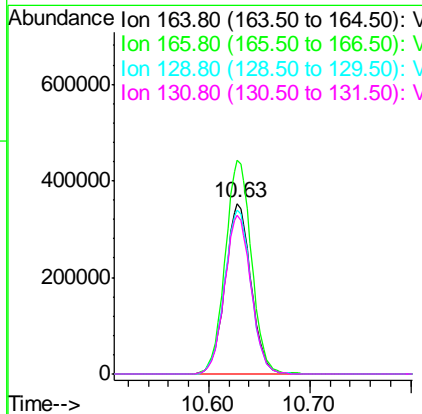
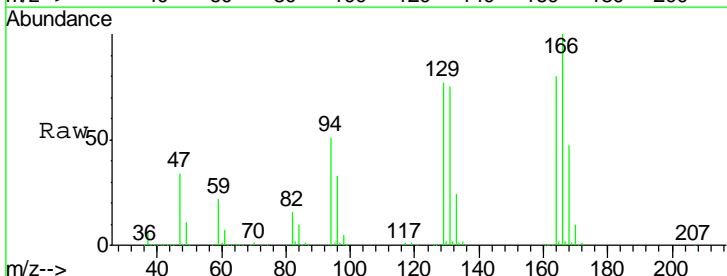
Manual Integrations
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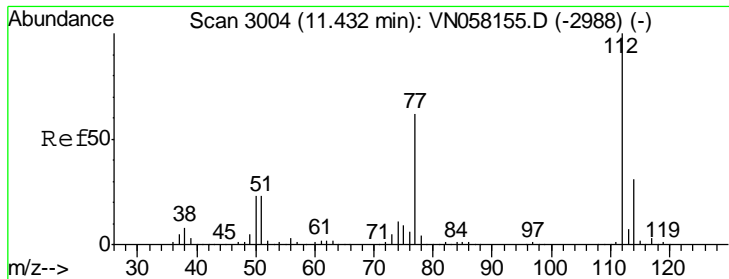
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#64
 Tetrachloroethene
 Concen: 100.139 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
164	100		
166	125.4	102.2	153.4
129	96.5	79.6	119.4
131	93.5	76.0	114.0





#65
 Chlorobenzene
 Concen: 102.763 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

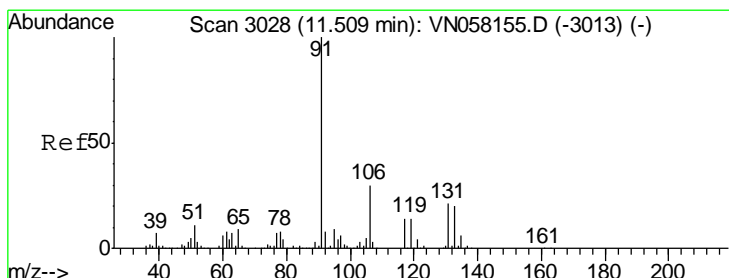
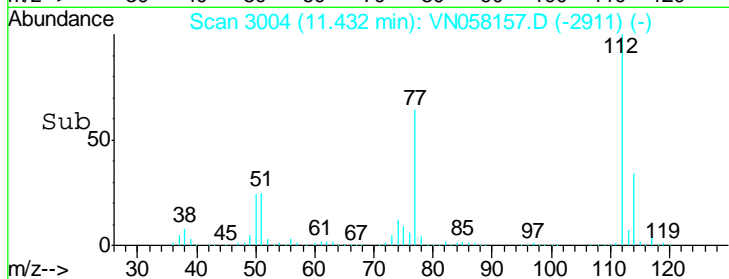
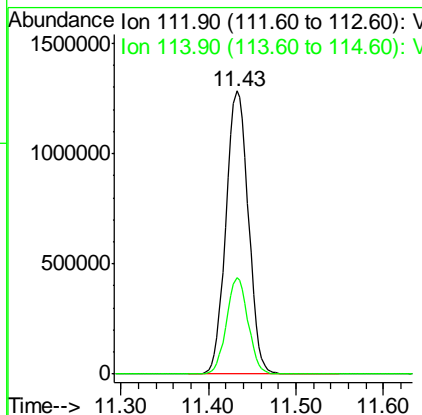
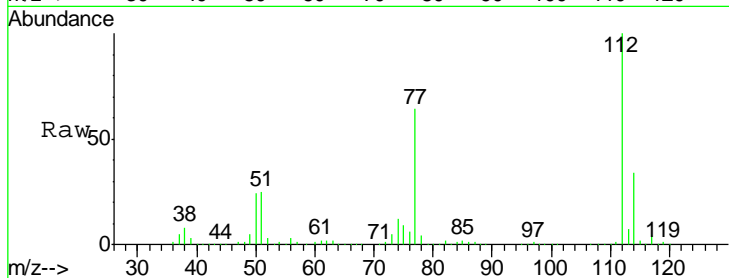
Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion: 112 Resp: 2287304

Ion	Ratio	Lower	Upper
112	100		
114	33.9	25.1	37.7

Manual Integrations
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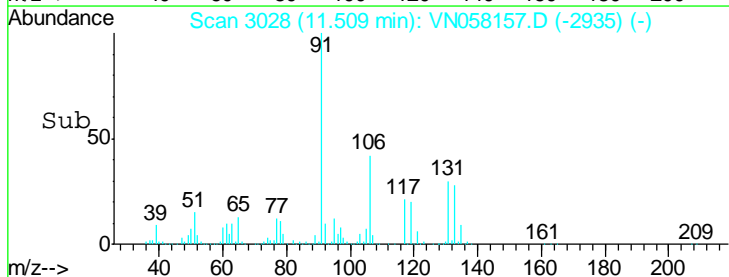
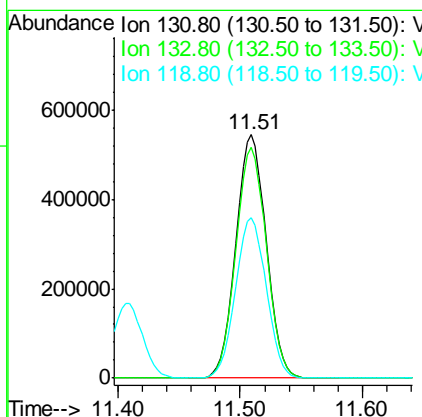
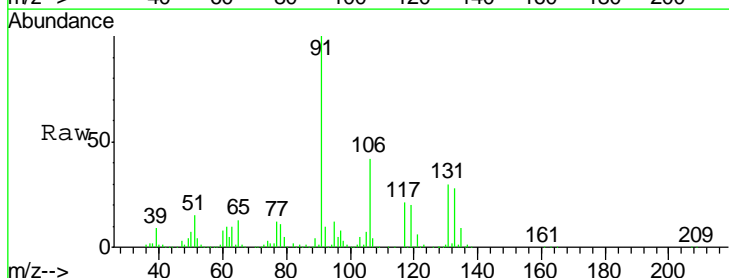
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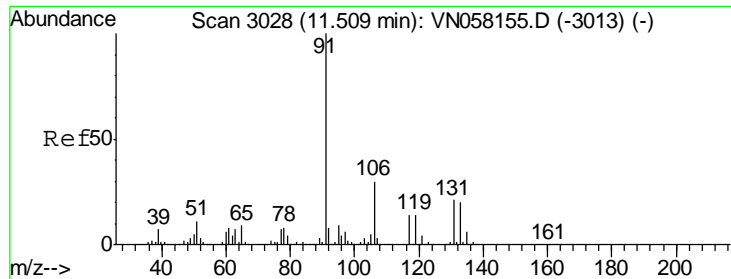


#66
 1,1,1,2-Tetrachloroethane
 Concen: 120.987 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 131 Resp: 936787

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	66.7	33.1	99.3





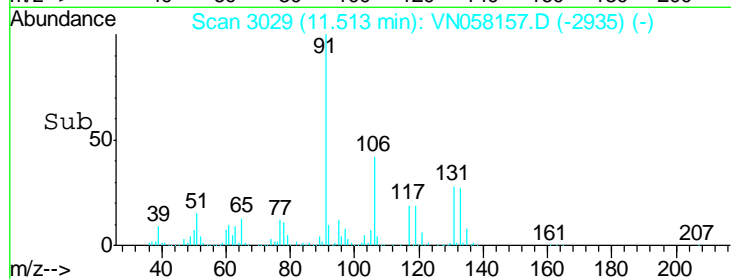
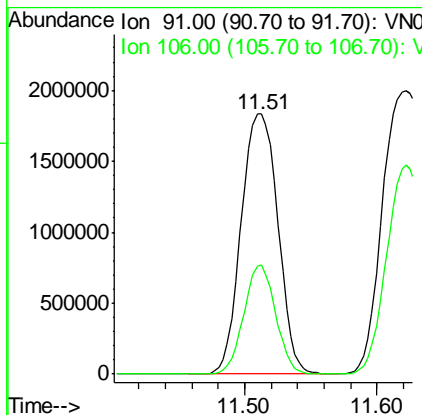
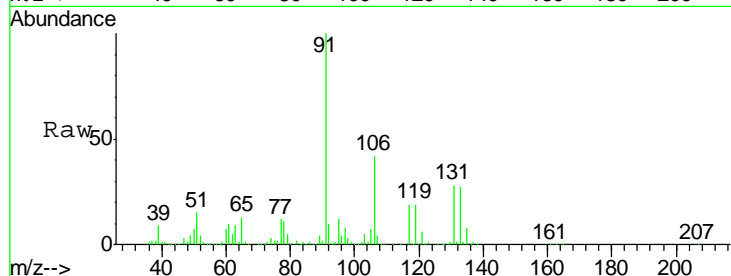
#67
 Ethyl Benzene
 Concen: 90.643 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 91 Resp: 3532203
 Ion Ratio Lower Upper
 91 100
 106 41.9 24.0 36.0#

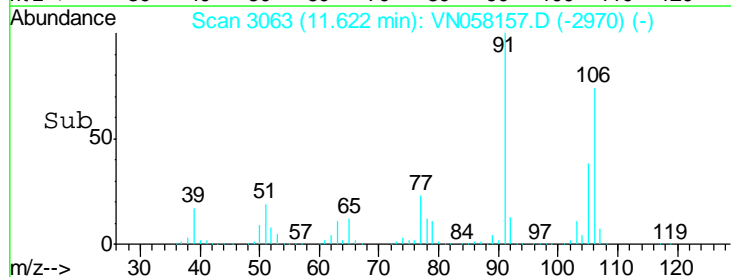
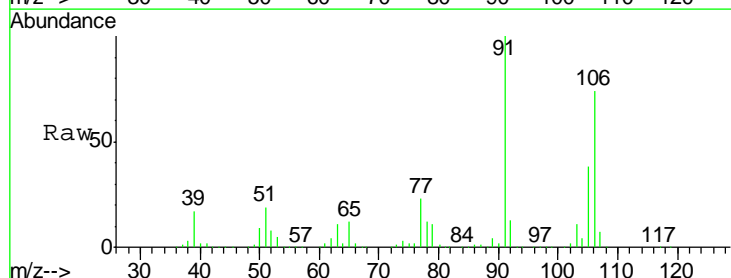
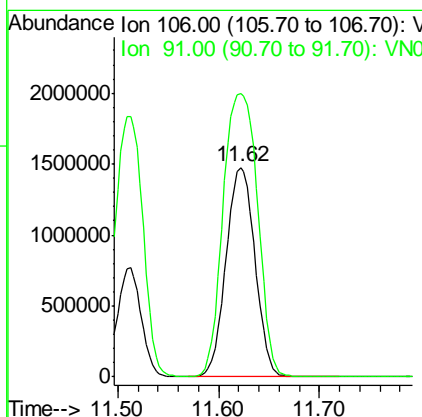
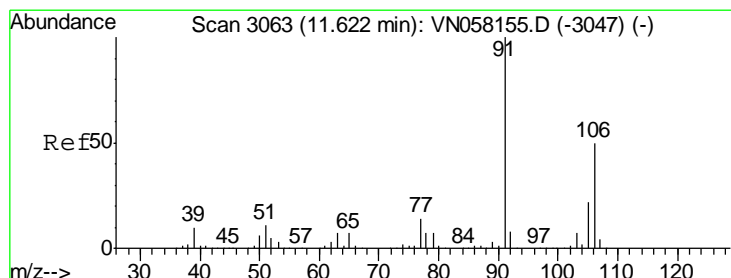
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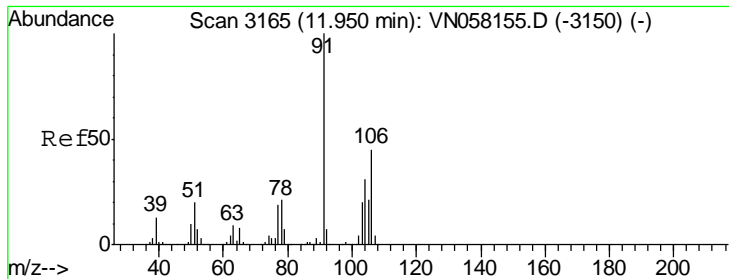
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#68
 m/p-Xylenes
 Concen: 206.754 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 106 Resp: 2950140
 Ion Ratio Lower Upper
 106 100
 91 161.3 163.6 245.4#





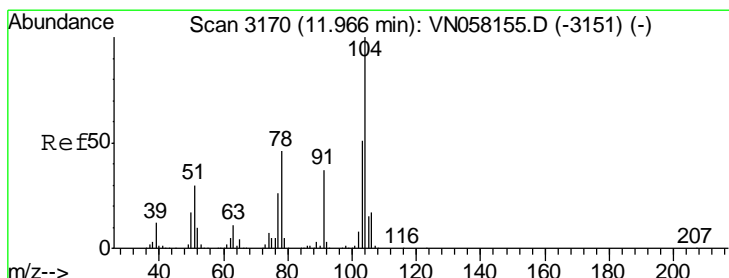
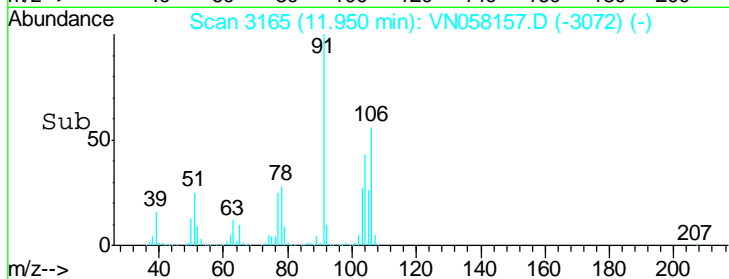
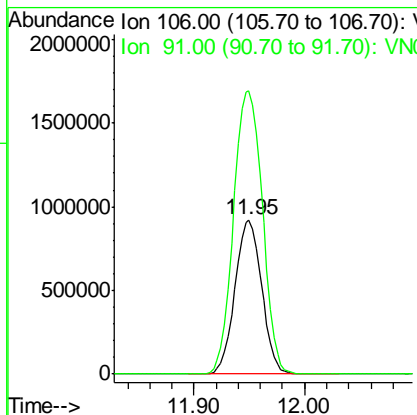
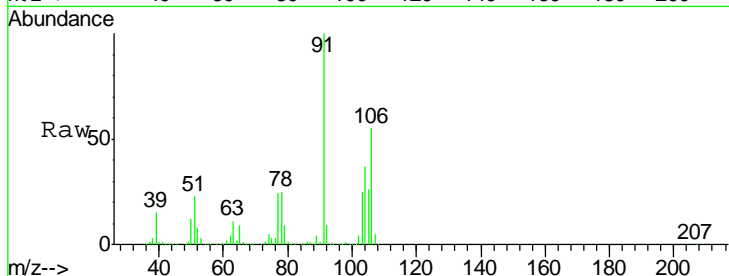
#69
 o-Xylene
 Concen: 109.324 ug/l
 RT: 11.95 min Scan# 3165
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
106	1546042		
106	100		
91	199.0	111.8	335.3

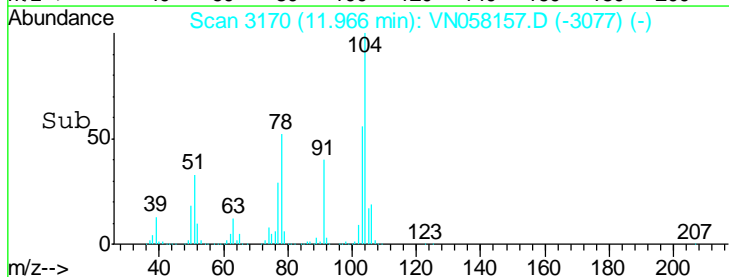
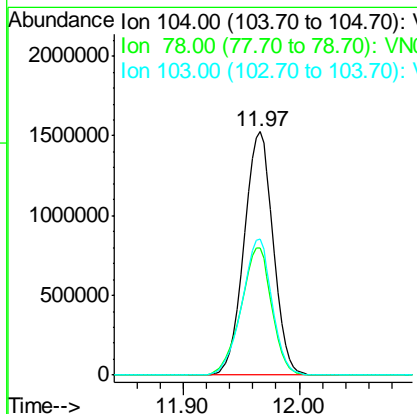
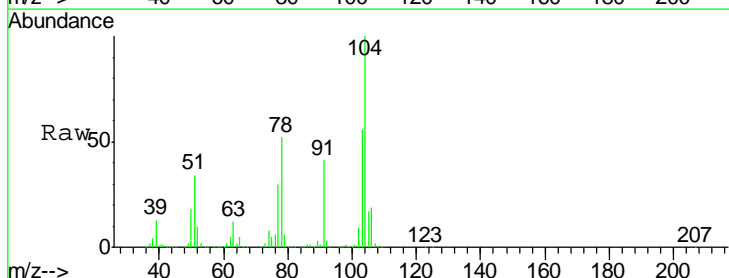
Manual Integrations
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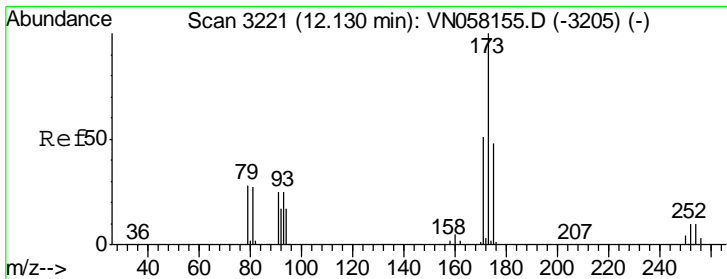
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#70
 Styrene
 Concen: 109.408 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

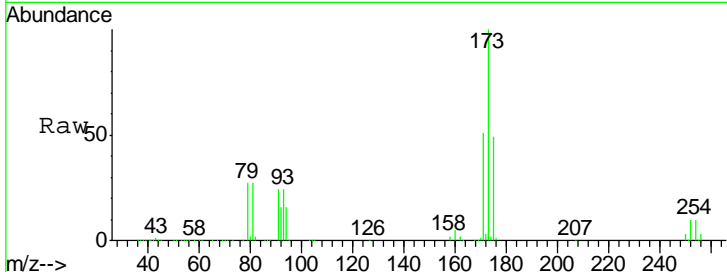
Tgt Ion	Resp	Lower	Upper
104	2662300		
104	100		
78	55.4	41.8	62.8
103	57.8	44.2	66.2





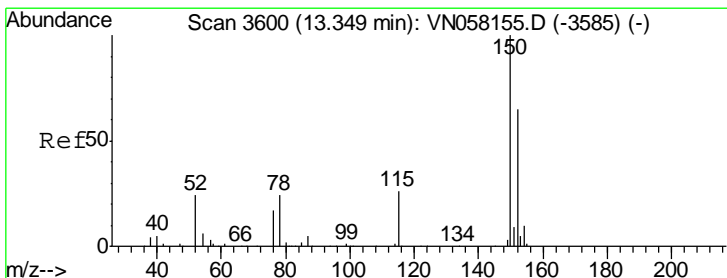
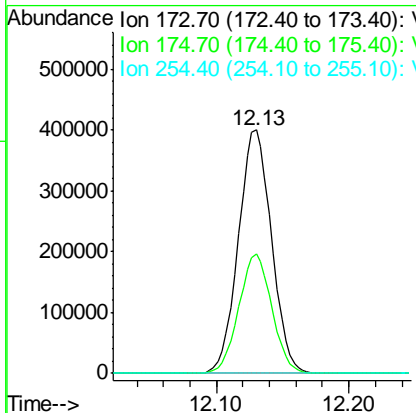
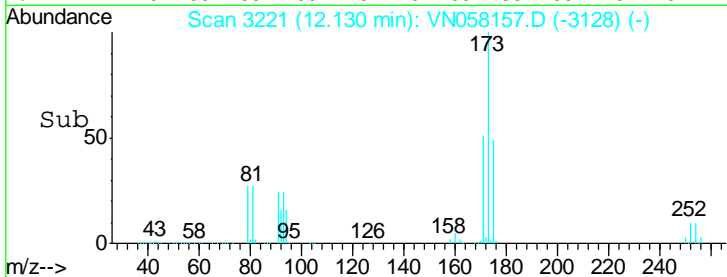
#71
 Bromoform
 Concen: 144.034 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

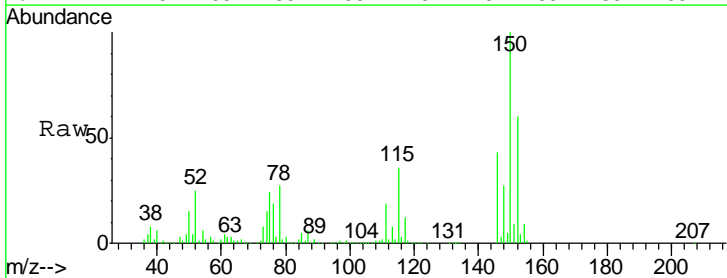


Tgt Ion	Resp	Lower	Upper
173	100		
175	48.8	24.2	72.6
254	0.1	0.1	0.1

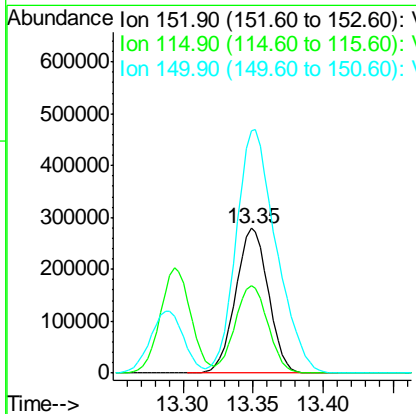
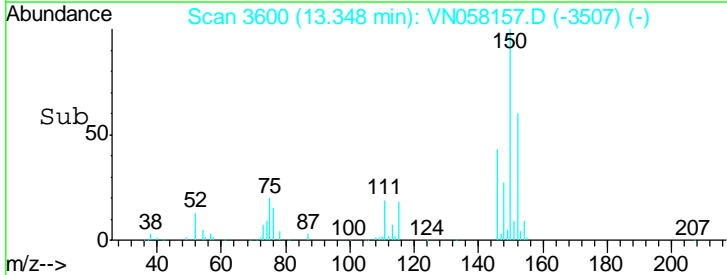
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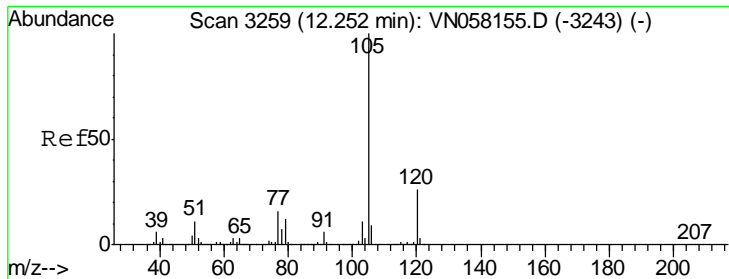


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11



Tgt Ion	Resp	Lower	Upper
152	100		
115	60.3	30.1	90.3
150	204.7	0.0	346.4





#73
 Isopropylbenzene
 Concen: 105.754 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

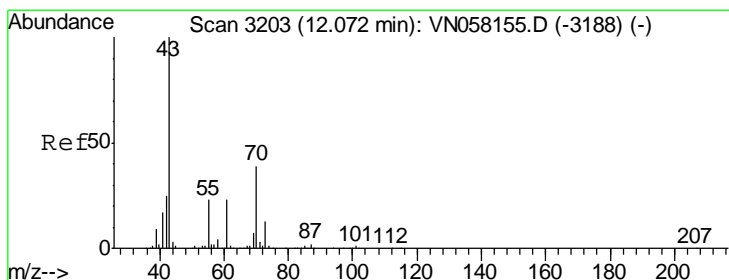
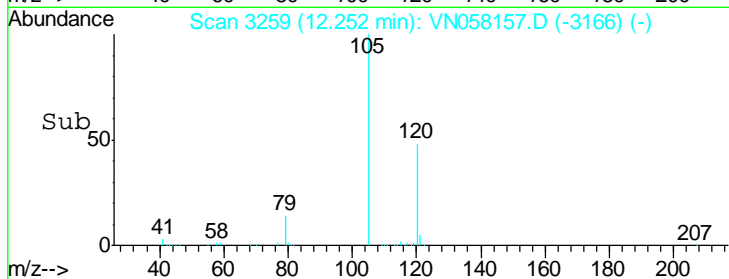
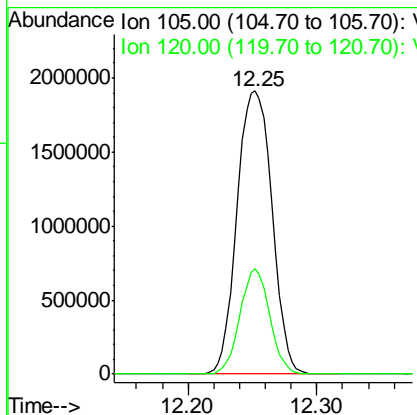
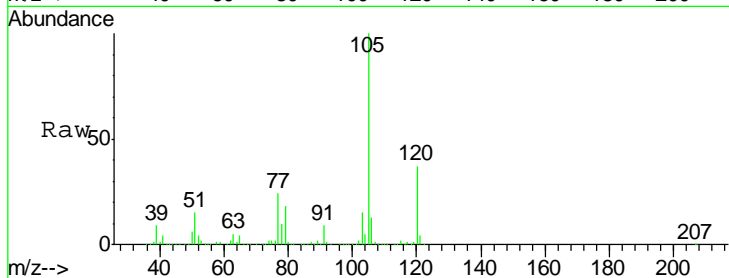
Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion: 105 Resp: 3602722

Ion	Ratio	Lower	Upper
105	100		
120	31.7	12.8	38.3

Manual Integrations
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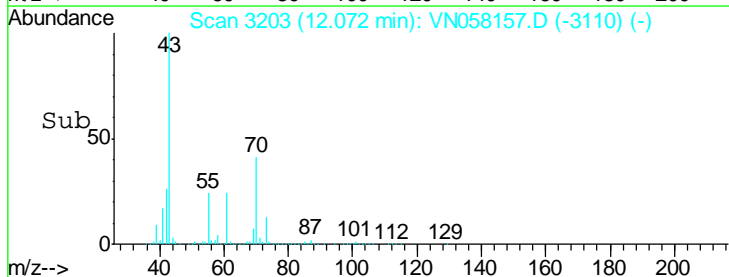
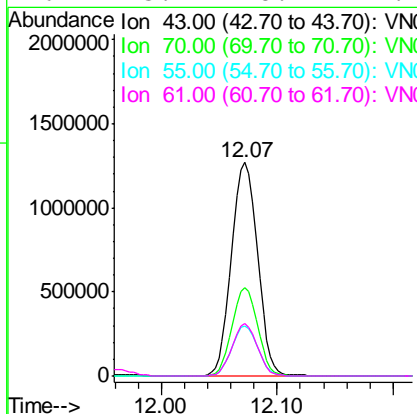
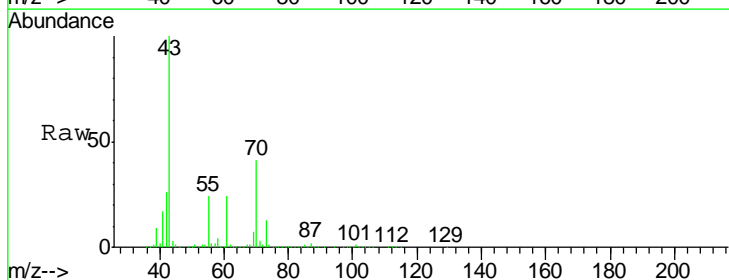
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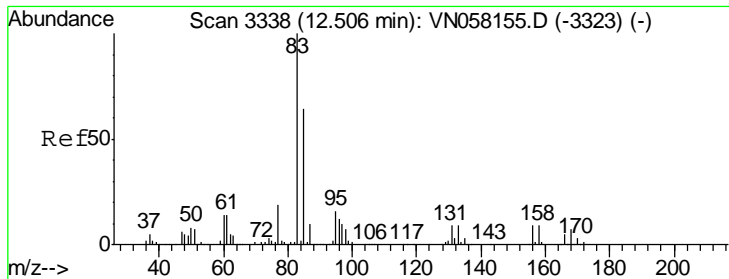


#74
 N-amil acetate
 Concen: 133.741 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 43 Resp: 1971763

Ion	Ratio	Lower	Upper
43	100		
70	40.7	31.0	46.6
55	23.4	18.5	27.7
61	23.7	18.2	27.2





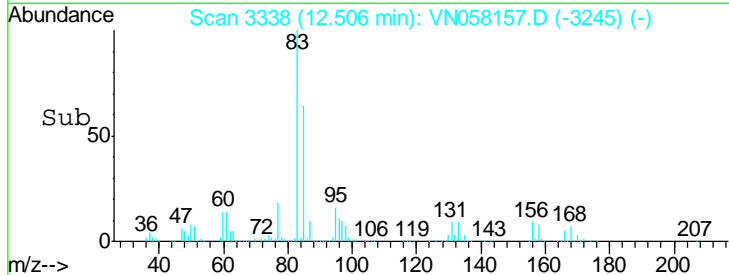
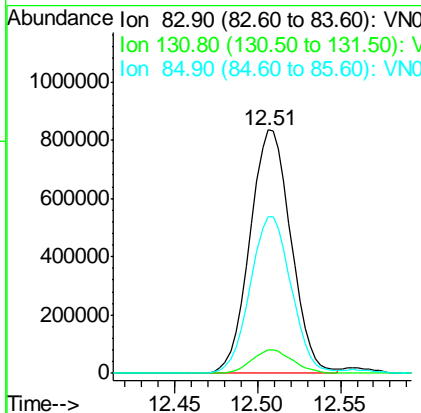
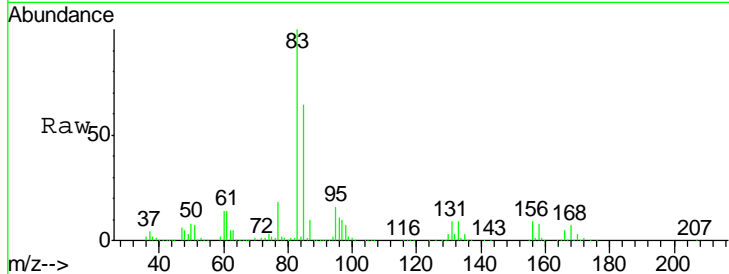
#75
 1,1,2,2-Tetrachloroethane
 Concen: 125.225 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.4	31.9	95.5

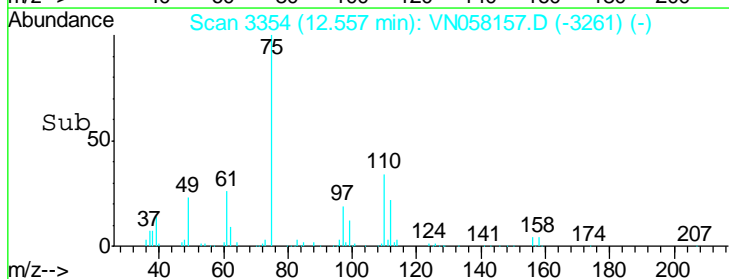
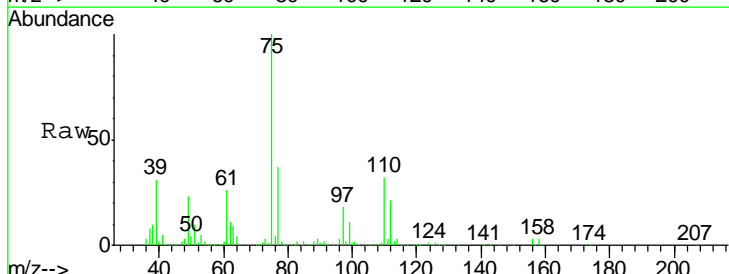
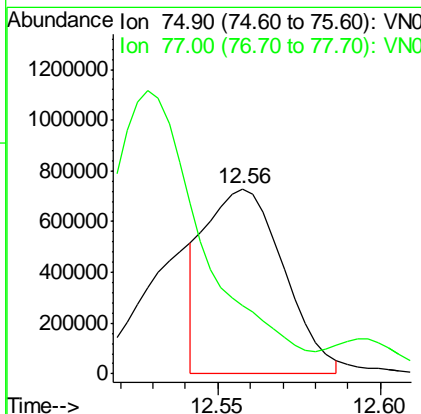
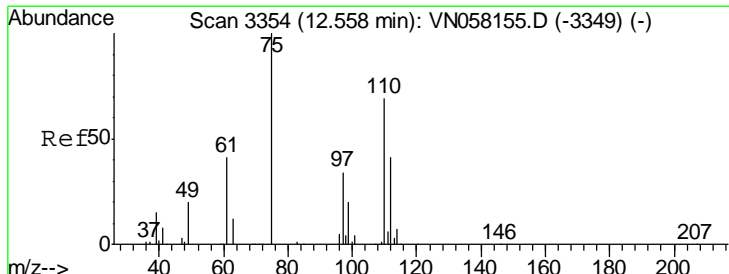
Manual Integrations
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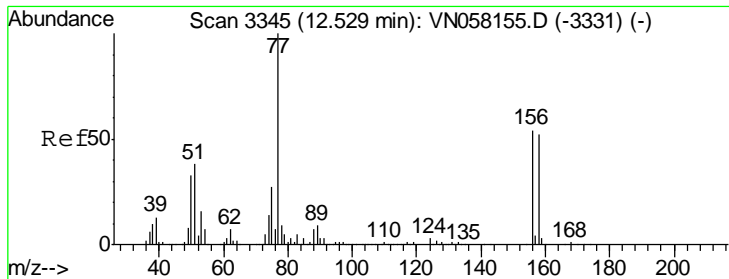
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#76
 1,2,3-Trichloropropane
 Concen: 122.960 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





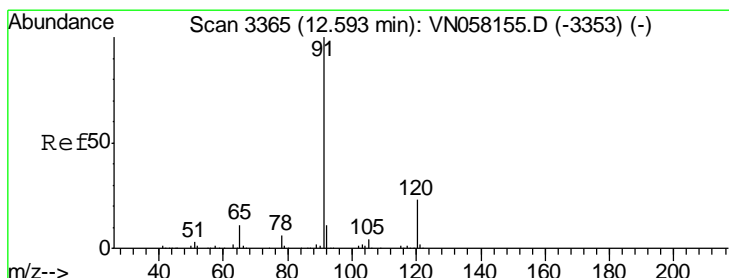
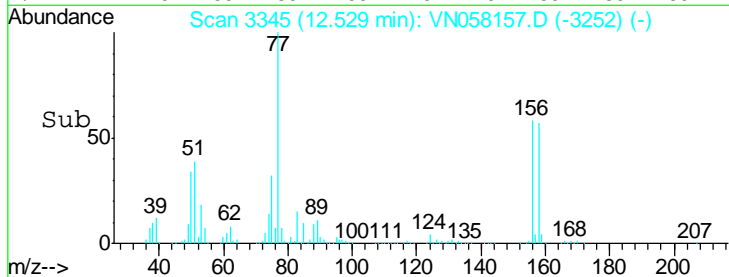
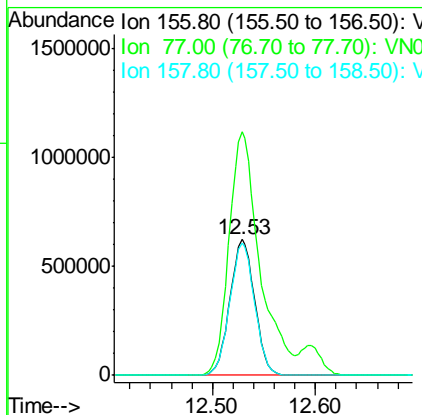
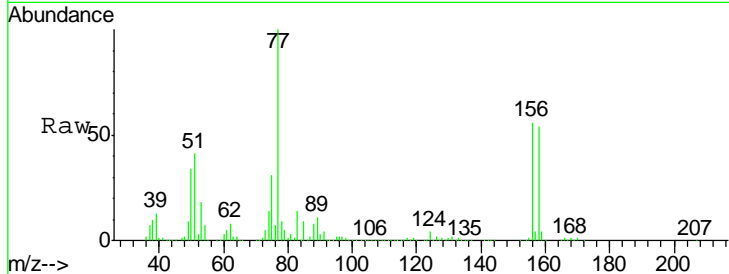
#77
 Bromobenzene
 Concen: 121.865 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
156	1040631		
77	222.3	111.7	335.1
158	97.5	47.9	143.8

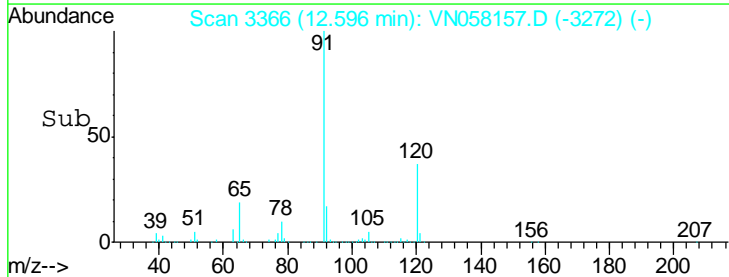
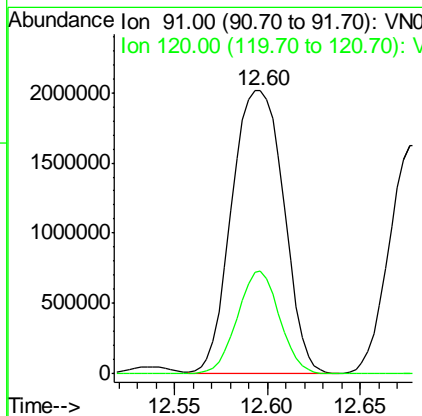
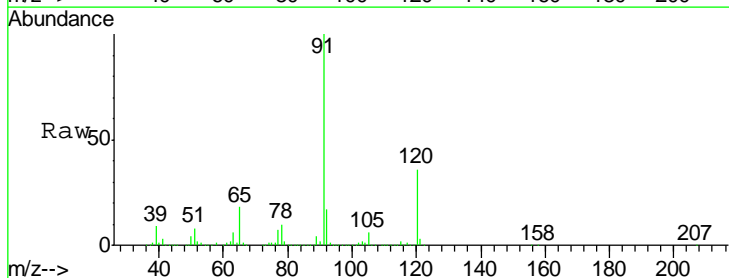
Manual Integrations
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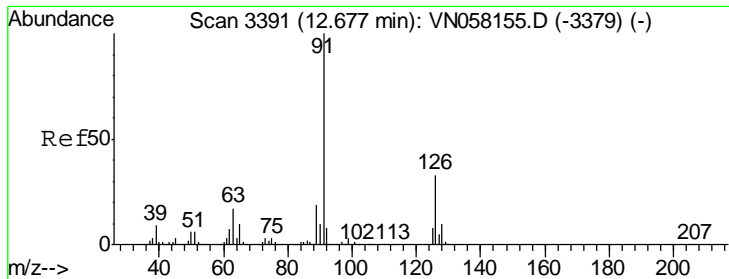
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#78
 n-propylbenzene
 Concen: 100.448 ug/l
 RT: 12.60 min Scan# 3366
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
91	3923738		
120	29.5	11.1	33.3





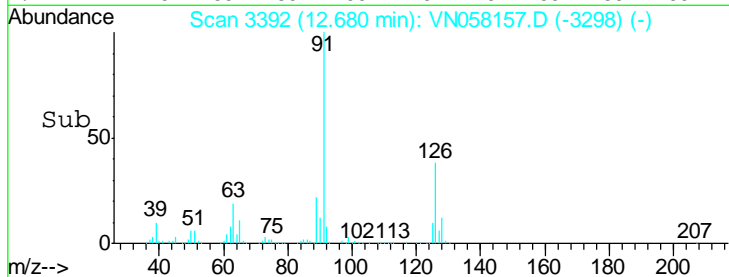
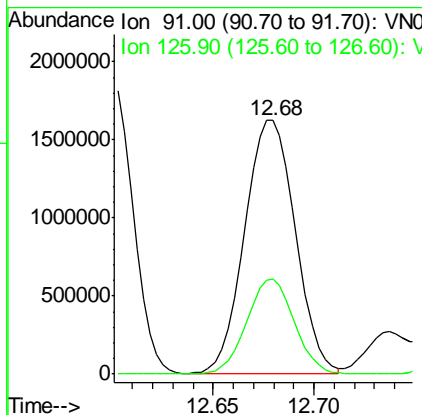
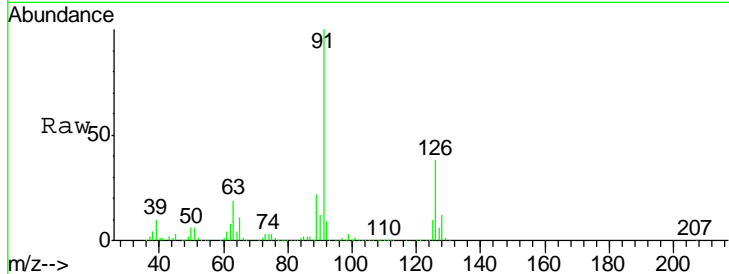
#79
 2-Chlorotoluene
 Concen: 115.482 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Tgt Ion: 91 Resp: 2858155
 Ion Ratio Lower Upper
 91 100
 126 35.2 16.4 49.1

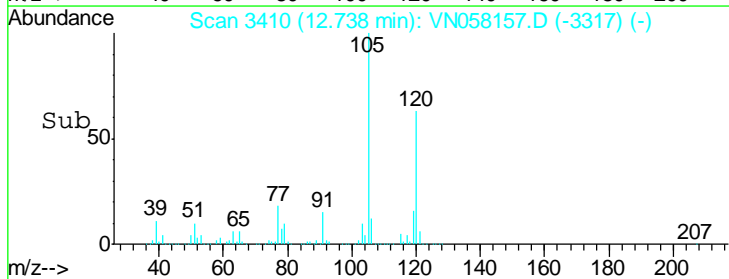
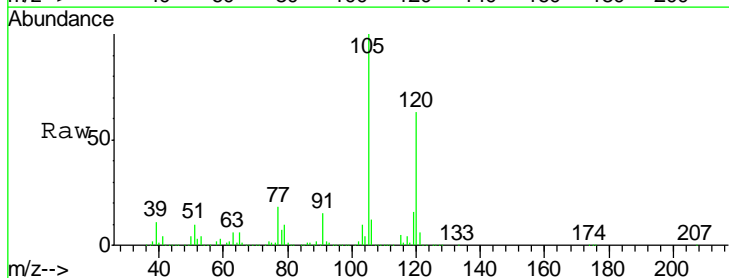
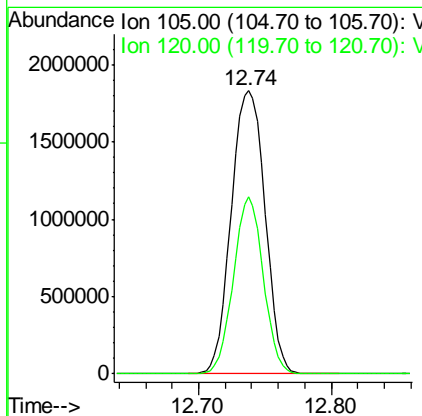
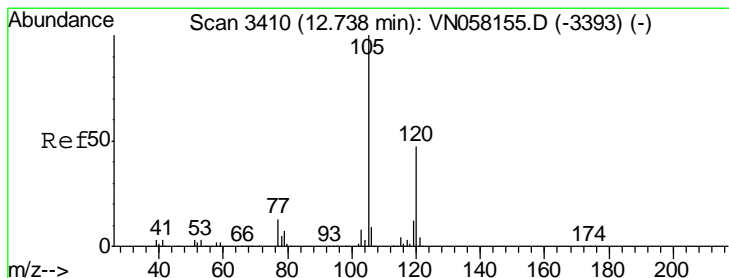
Manual Integrations
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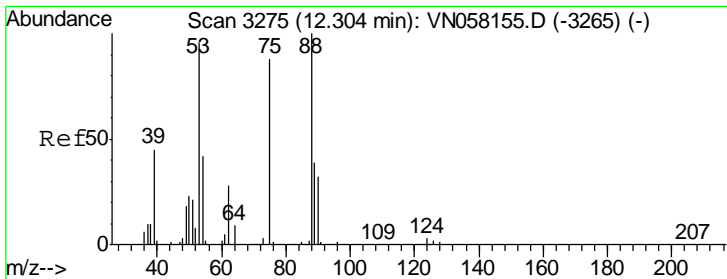
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 112.254 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 105 Resp: 3234744
 Ion Ratio Lower Upper
 105 100
 120 55.2 23.4 70.0





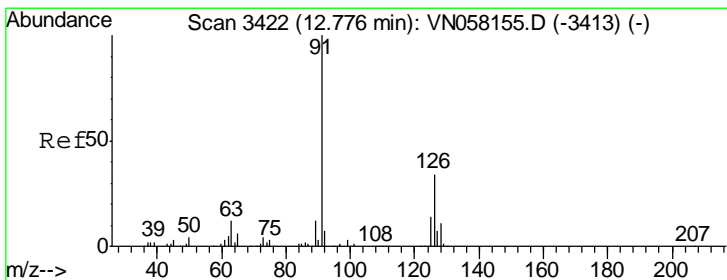
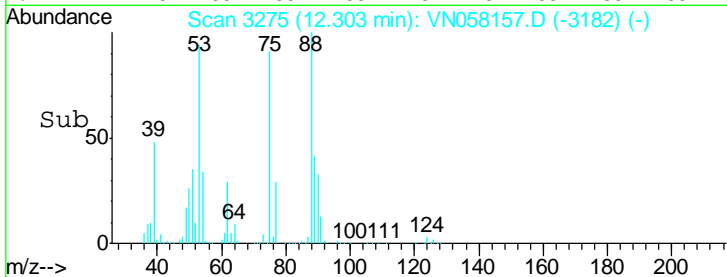
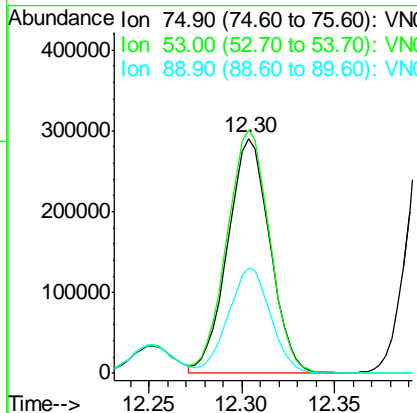
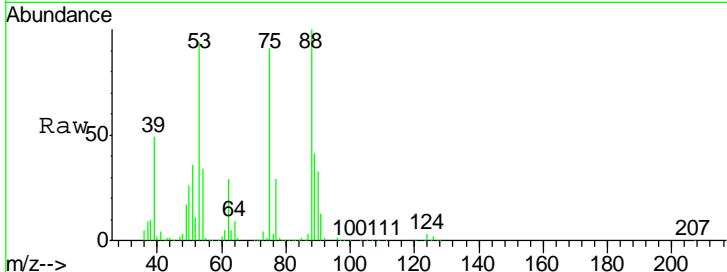
#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.437 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	456038		
75	100		
53	106.0	90.1	135.1
89	45.0	36.2	54.2

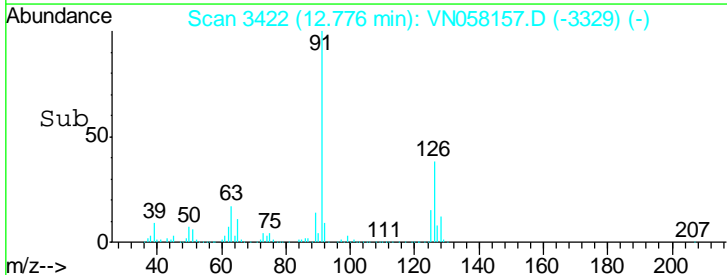
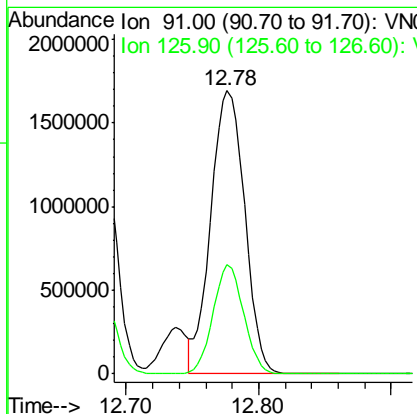
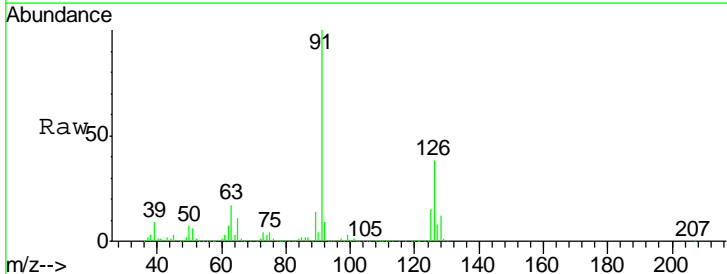
Manual Integrations
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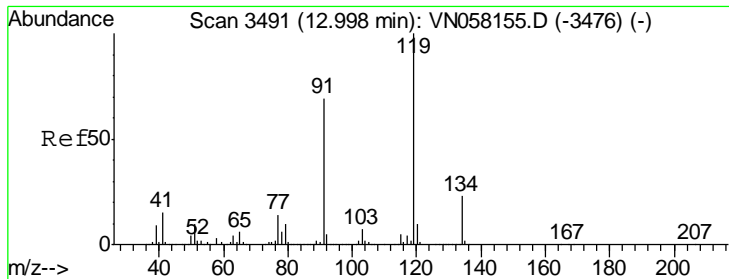
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#82
 4-Chlorotoluene
 Concen: 118.449 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
91	3010985		
91	100		
126	34.7	15.7	47.1





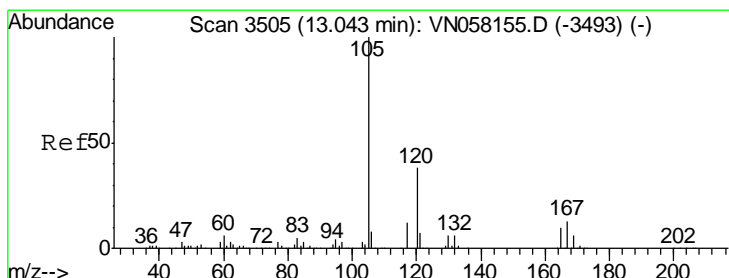
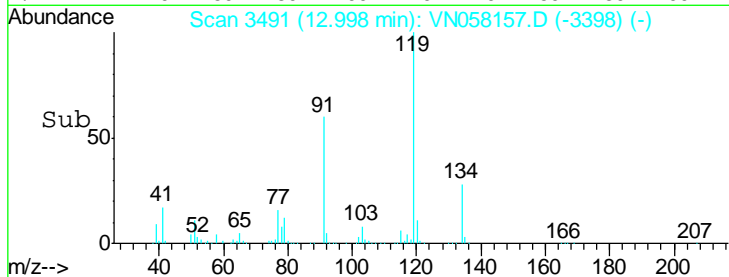
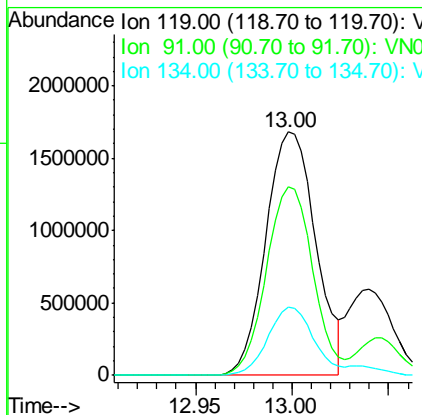
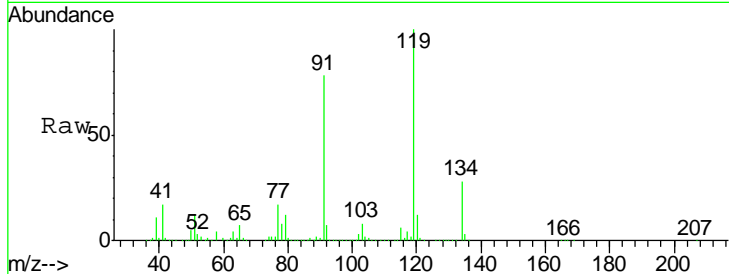
#83
 tert-Butylbenzene
 Concen: 117.902 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
119	3018873		
91	72.5	33.8	101.3
134	26.2	11.6	34.8

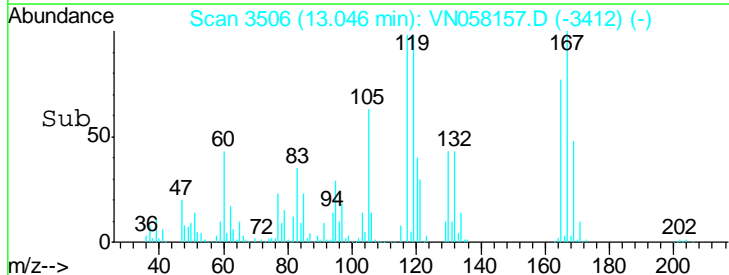
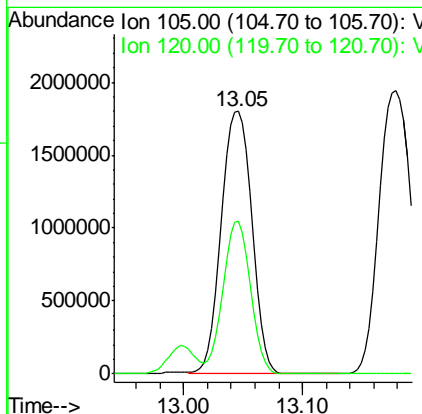
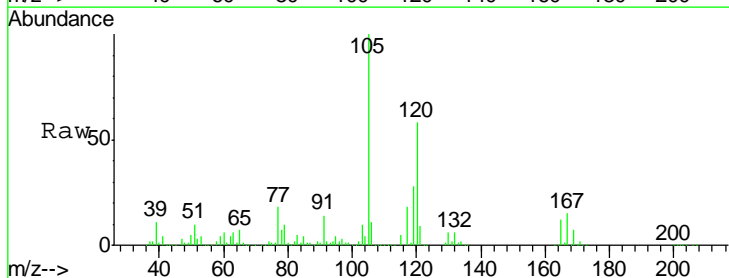
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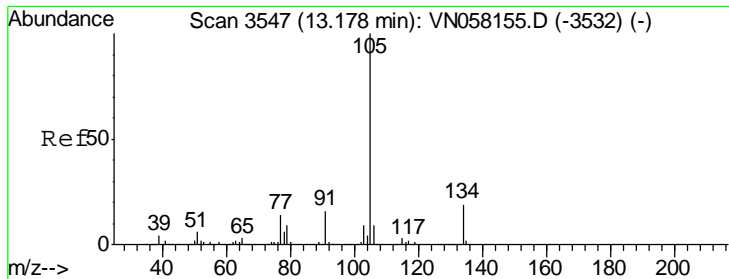
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#84
 1,2,4-Trimethylbenzene
 Concen: 110.168 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
105	3217423		
120	52.1	22.1	66.5





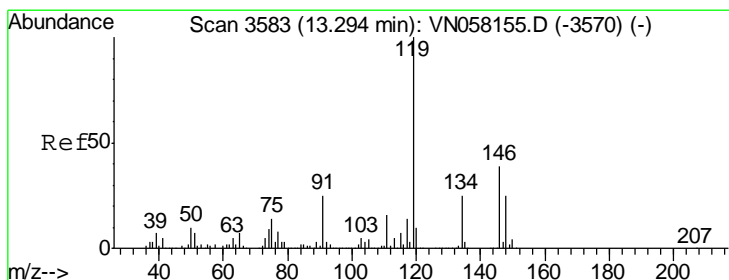
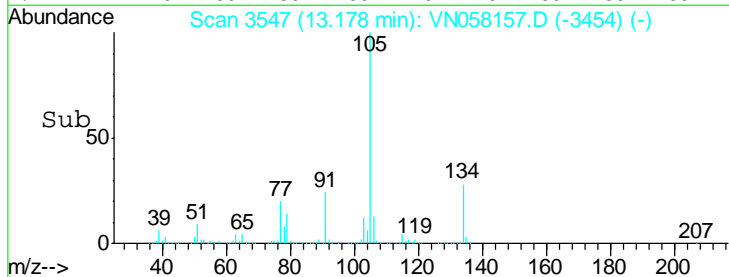
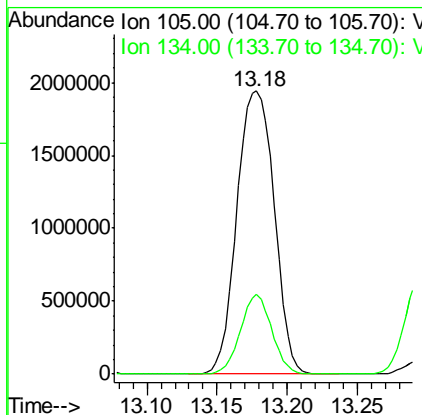
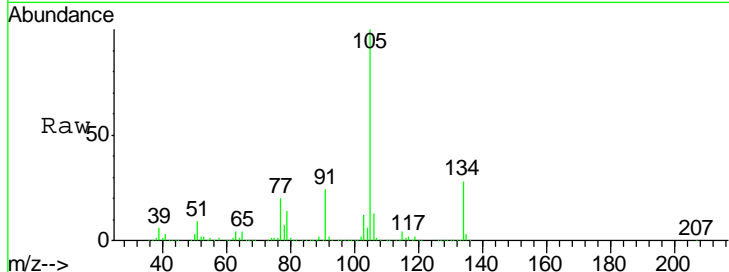
#85
 sec-Butylbenzene
 Concen: 106.273 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	100		
134	23.7	9.5	28.5

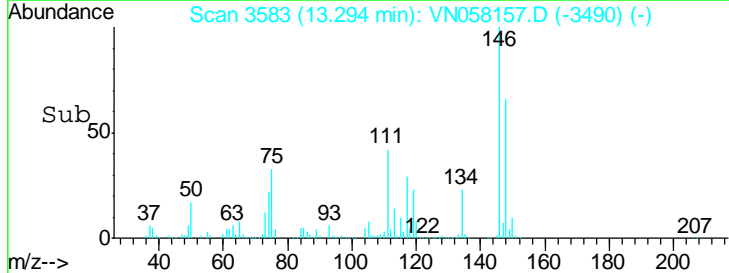
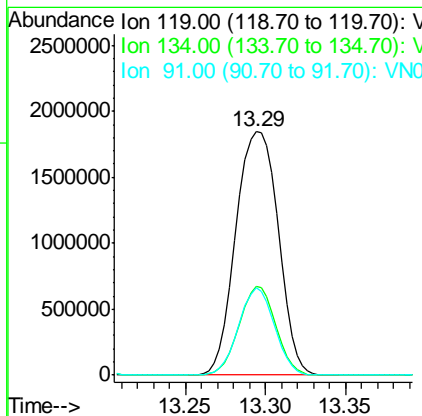
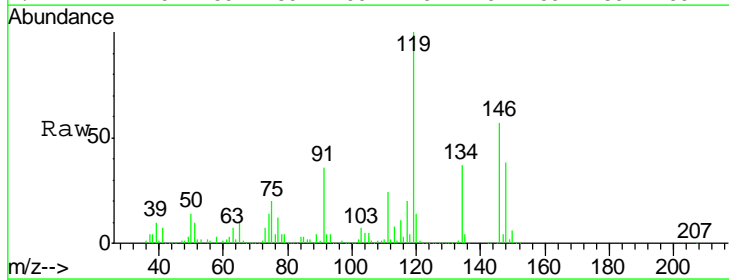
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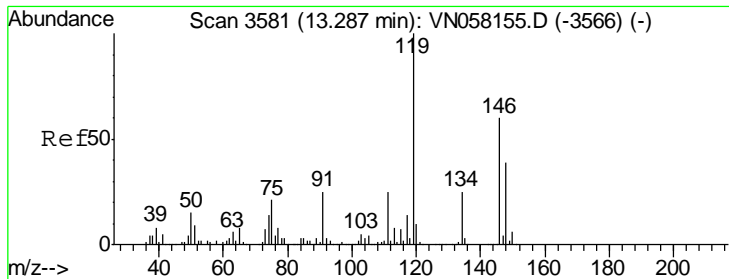
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#86
 p-Isopropyltoluene
 Concen: 111.859 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
119	100		
134	31.4	12.7	38.0
91	30.4	12.3	36.8





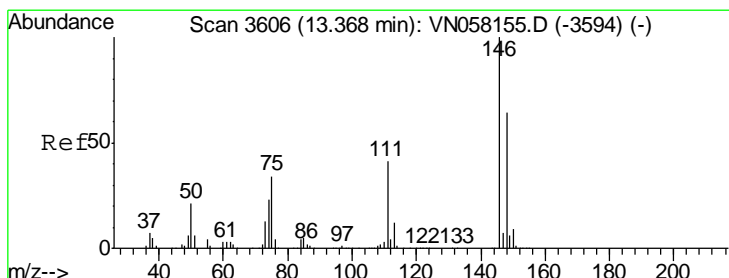
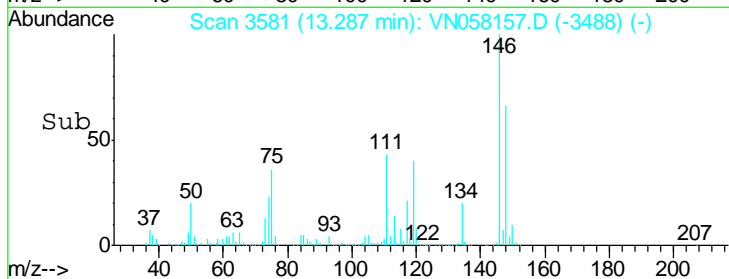
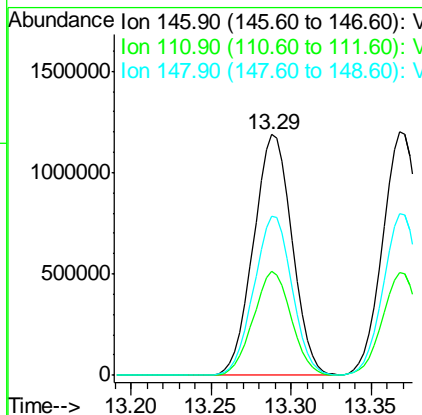
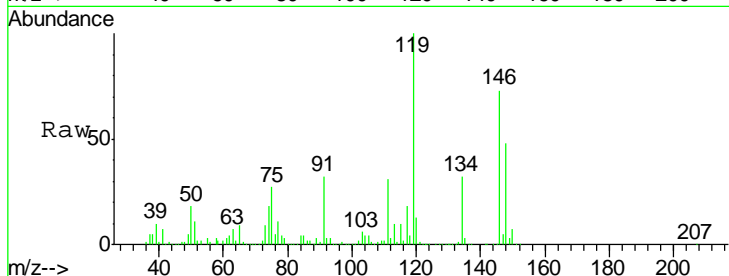
#87
 1,3-Dichlorobenzene
 Concen: 126.585 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	1974553		
146	100		
111	42.2	20.9	62.8
148	65.2	32.0	96.2

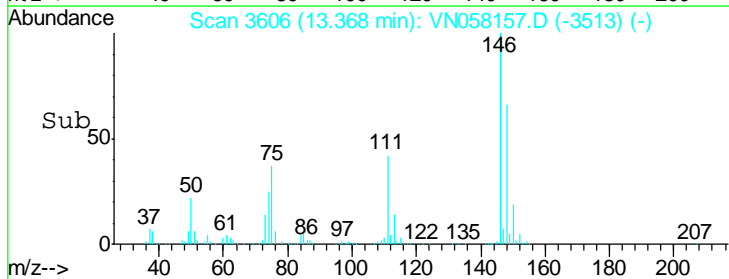
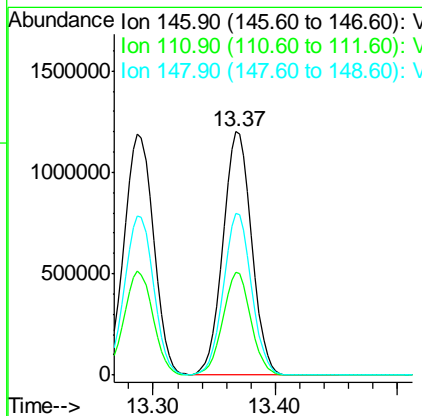
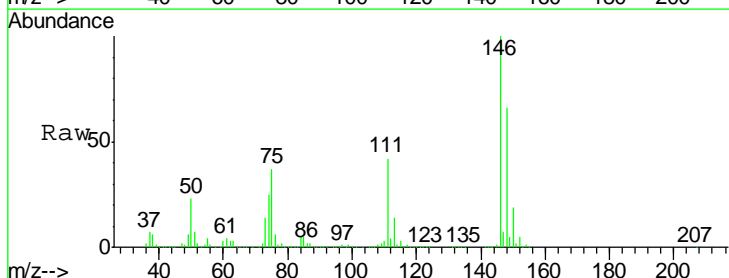
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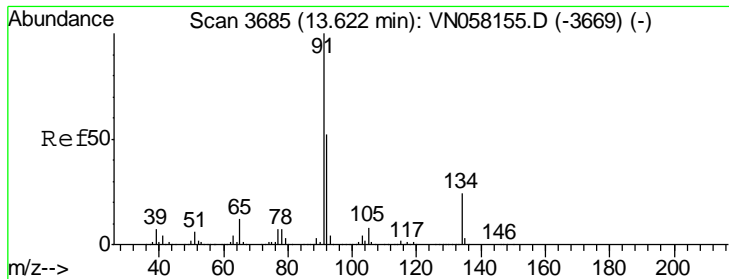
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#88
 1,4-Dichlorobenzene
 Concen: 124.861 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
146	1983825		
146	100		
111	41.1	20.5	61.5
148	65.1	31.9	95.5





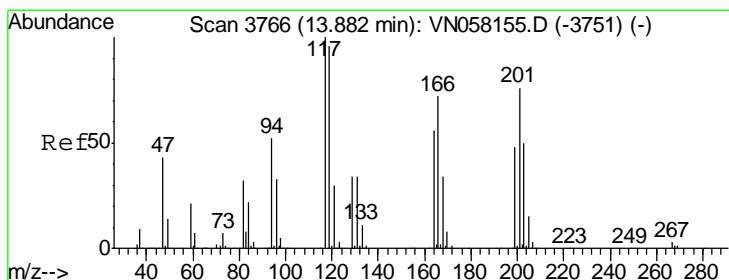
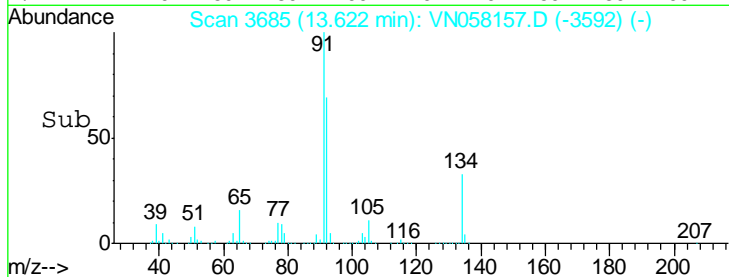
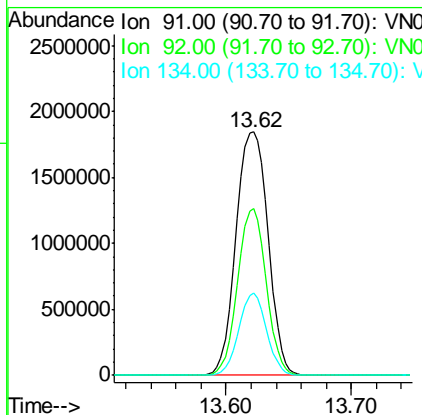
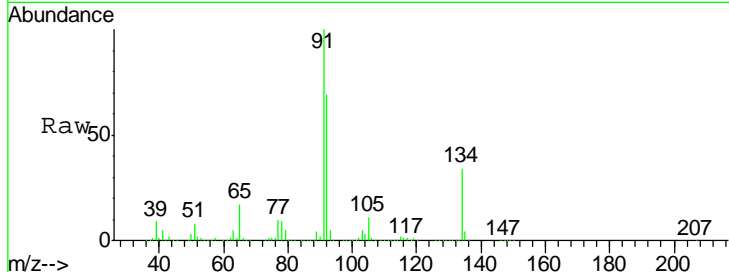
#89
 n-Butylbenzene
 Concen: 116.066 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
92	61.1	25.7	77.0
134	29.2	11.8	35.4

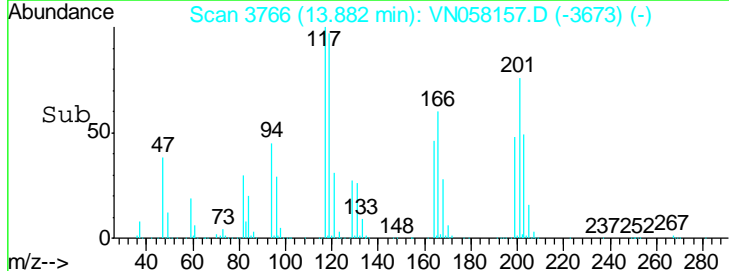
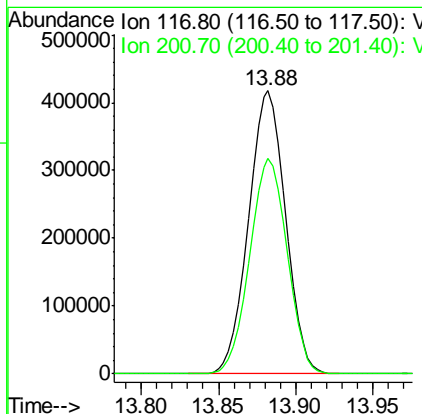
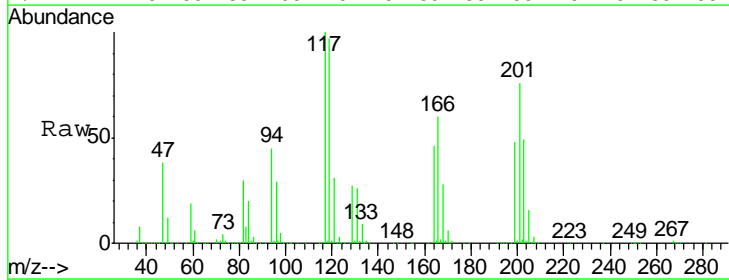
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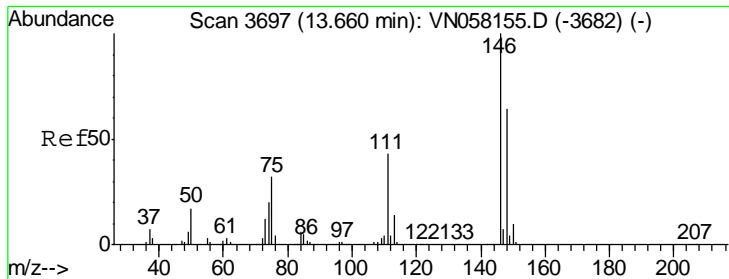
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#90
 Hexachloroethane
 Concen: 156.110 ug/l
 RT: 13.88 min Scan# 3766
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Resp	Lower	Upper
117	100		
201	77.1	37.5	112.5





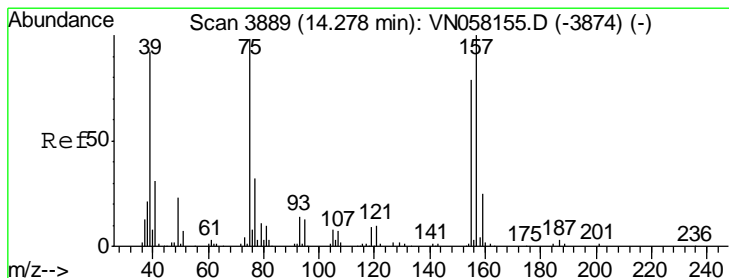
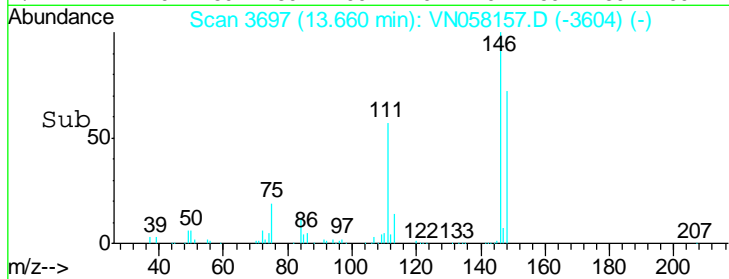
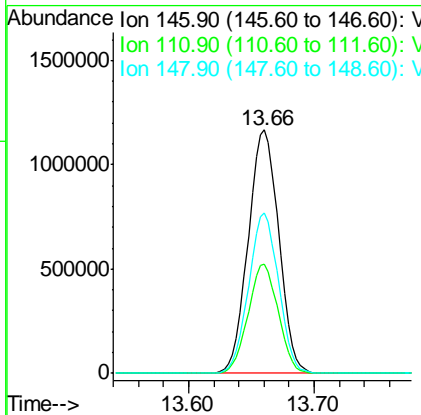
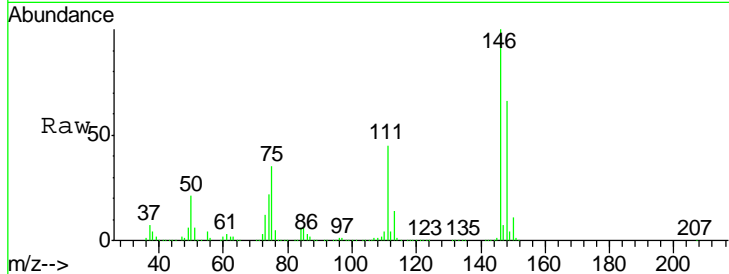
#91
 1,2-Dichlorobenzene
 Concen: 126.781 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	100		
111	44.1	21.1	63.1
148	64.5	31.8	95.4

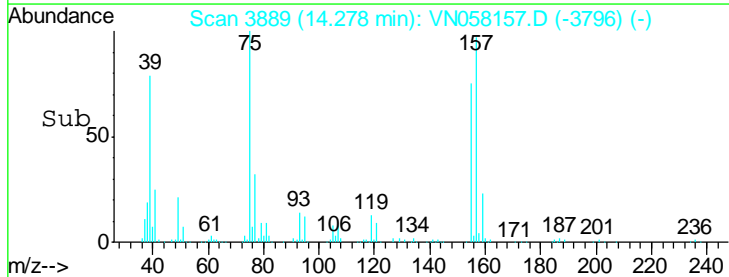
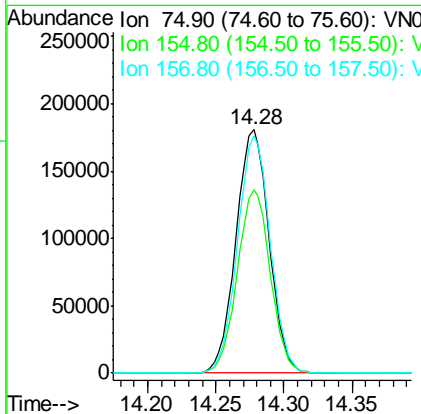
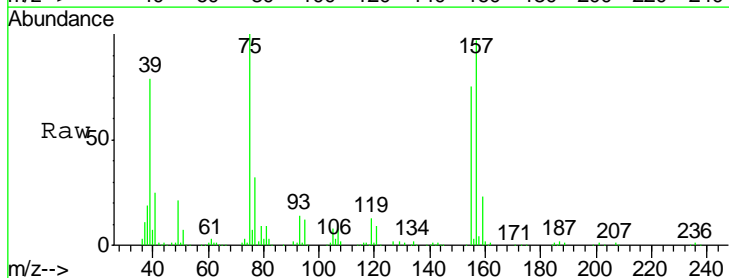
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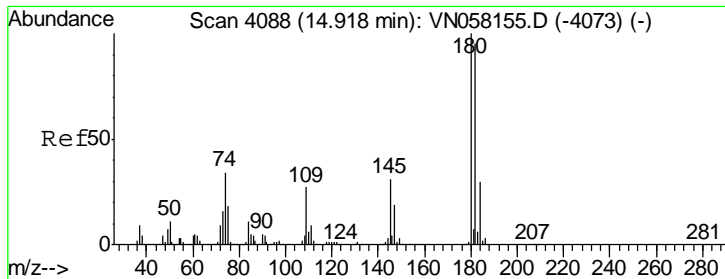
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 160.805 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

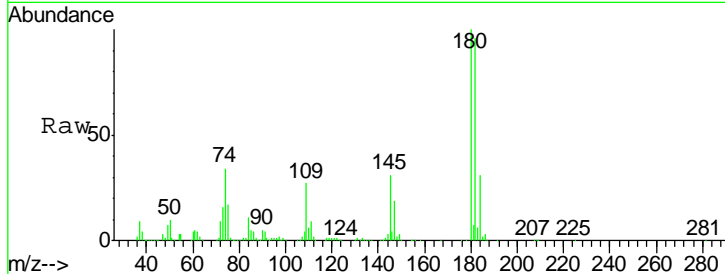
Tgt Ion	Resp	Lower	Upper
75	100		
155	74.6	38.3	114.8
157	96.1	48.0	144.0





#93
 1,2,4-Trichlorobenzene
 Concen: 136.700 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

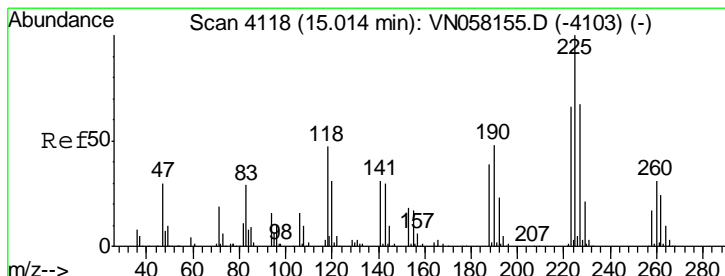
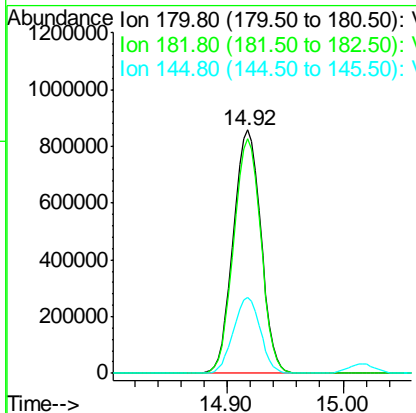
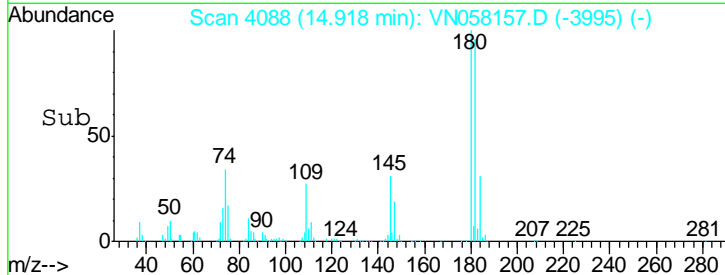
Instrument : MSVOA_N
 Client Sampled : VSTDIC150



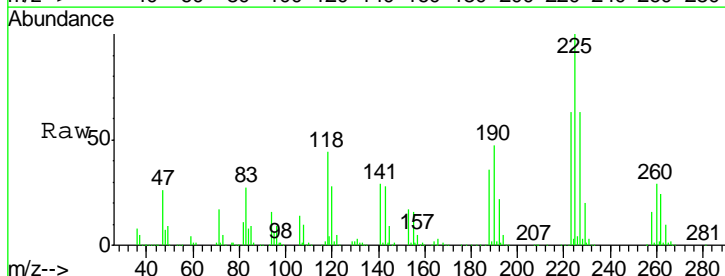
Tgt Ion: 180 Resp: 1411422

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	30.5	15.4	46.4

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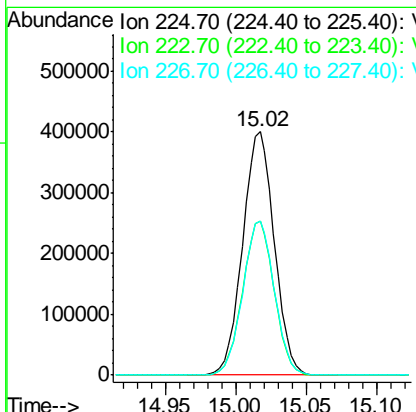
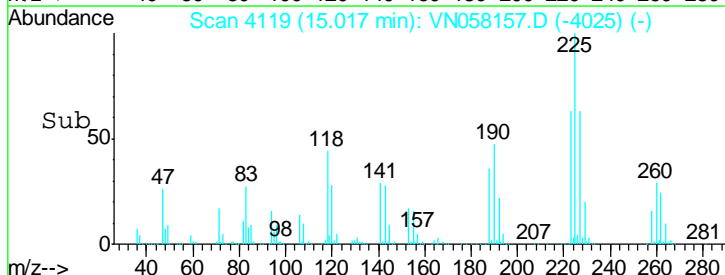


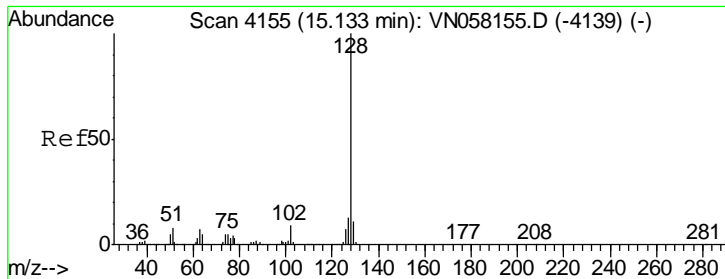
#94
 Hexachlorobutadiene
 Concen: 142.210 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11



Tgt Ion: 225 Resp: 629564

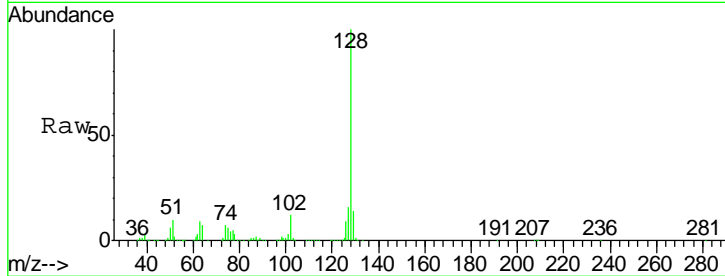
Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.6	97.7
227	63.1	33.0	99.0





#95
 Naphthalene
 Concen: 115.126 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

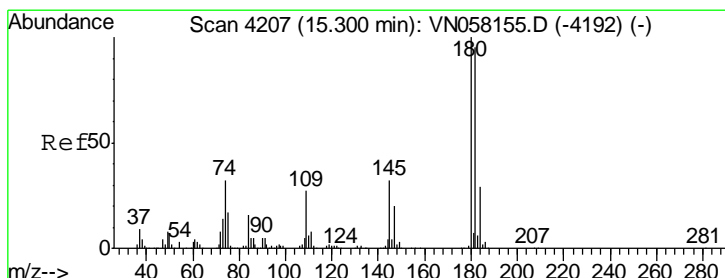
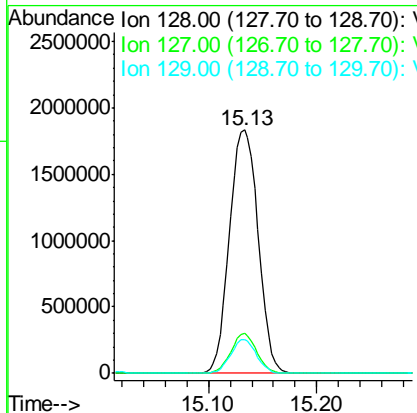
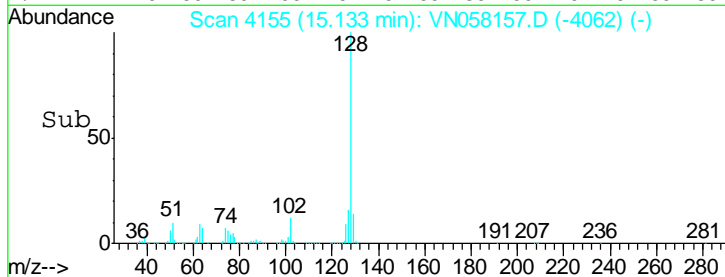
Instrument : MSVOA_N
 Client Sampled : VSTDIC150



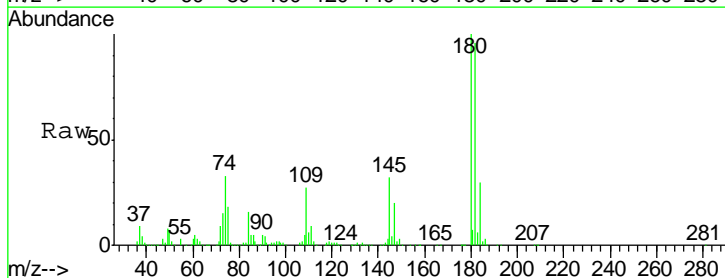
Tgt Ion: 128 Resp: 3405691

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.2	15.2
129	12.5	8.6	12.8

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 9/20/2019 1:14:33 PM

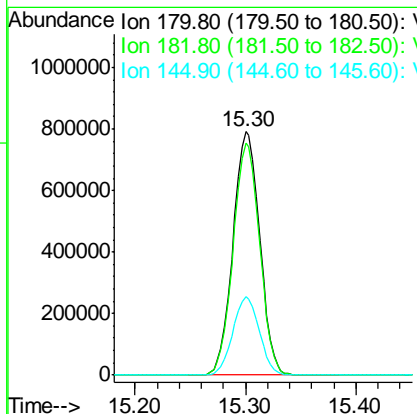
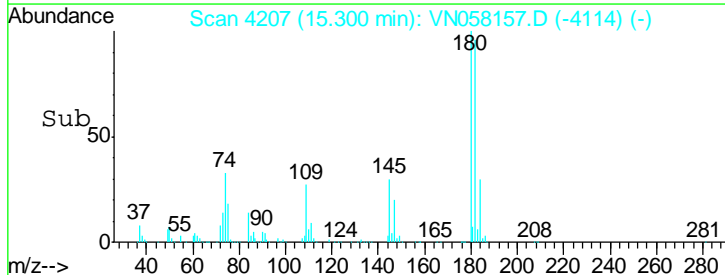


#96
 1,2,3-Trichlorobenzene
 Concen: 131.462 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11



Tgt Ion: 180 Resp: 1327672

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	31.9	16.1	48.2



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN091819

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:43:24 PM

Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	560909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	936122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426244	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	396675	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.57	113	288636	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.09	98	1159419	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.40	95	428813	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	214265	46.501	ug/l	98
3) Chloromethane	2.04	50	179051	50.422	ug/l	100
4) Vinyl Chloride	2.17	62	194805	50.160	ug/l	100
5) Bromomethane	2.54	94	105492	51.291	ug/l	97
6) Chloroethane	2.68	64	126784	50.996	ug/l	99
7) Trichlorofluoromethane	3.00	101	283424	45.064	ug/l	98
8) Diethyl Ether	3.39	74	133327	46.266	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	211289	46.595	ug/l	99
10) Methyl Iodide	3.93	142	189392	49.844	ug/l	99
11) Tert butyl alcohol	4.75	59	238644	256.800	ug/l	99
12) 1,1-Dichloroethene	3.72	96	171478	49.829	ug/l	95
13) Acrolein	3.58	56	46727	339.293	ug/l	99
14) Allyl chloride	4.30	41	355939	47.970	ug/l	99
15) Acrylonitrile	4.96	53	639521	258.297	ug/l	100
16) Acetone	3.79	43	662547	249.845	ug/l	99
17) Carbon Disulfide	4.03	76	226502	46.779	ug/l	98
18) Methyl Acetate	4.30	43	336457	48.218	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	852386	49.839	ug/l	100
20) Methylene Chloride	4.53	84	232995	50.185	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	181857	48.485	ug/l	99
22) Diisopropyl ether	5.93	45	926623	49.162	ug/l	97
23) Vinyl Acetate	5.87	43	3441813	266.867	ug/l	99
24) 1,1-Dichloroethane	5.82	63	480192	47.734	ug/l	100
25) 2-Butanone	6.81	43	941287	260.542	ug/l	99
26) 2,2-Dichloropropane	6.81	77	412585	48.344	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	275568	48.446	ug/l	99
28) Bromochloromethane	7.18	49	238158	50.045	ug/l	97
29) Tetrahydrofuran	7.19	42	551560	247.849	ug/l	99
30) Chloroform	7.36	83	520436	48.062	ug/l	97
31) Cyclohexane	7.63	56	318527	48.933	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	415290	50.378	ug/l	100
36) 1,1-Dichloropropene	7.78	75	306120	45.346	ug/l	99
37) Ethyl Acetate	6.91	43	365030	52.103	ug/l	99
38) Carbon Tetrachloride	7.76	117	330635	48.722	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091819

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:43:24 PM

Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	317008	48.569	ug/l	99
40) Benzene	8.03	78	990992	48.061	ug/l	100
41) Methacrylonitrile	7.16	41	182649m	51.719	ug/l	
42) 1,2-Dichloroethane	8.11	62	418355	48.353	ug/l	99
43) Isopropyl Acetate	8.15	43	648847	49.590	ug/l	99
44) Trichloroethene	8.82	130	242544	48.068	ug/l	100
45) 1,2-Dichloropropane	9.11	63	308426	50.088	ug/l	100
46) Dibromomethane	9.20	93	184356	49.243	ug/l	99
47) Bromodichloromethane	9.40	83	406515	51.831	ug/l	99
48) Methyl methacrylate	9.19	41	313466	52.765	ug/l	99
49) 1,4-Dioxane	9.19	88	100452	1029.890	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1974416	284.098	ug/l	100
52) Toluene	10.15	92	634586	49.108	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	430103	53.534	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	457809	51.612	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	294112	51.287	ug/l	99
56) Ethyl methacrylate	10.43	69	445205	53.807	ug/l	99
57) 1,3-Dichloropropane	10.71	76	493814	50.090	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1065014	270.228	ug/l	99
59) 2-Hexanone	10.75	43	1471676	285.124	ug/l	99
60) Dibromochloromethane	10.90	129	296038	53.659	ug/l	100
61) 1,2-Dibromoethane	11.00	107	273357	51.436	ug/l	99
64) Tetrachloroethene	10.63	164	192834	46.287	ug/l	99
65) Chlorobenzene	11.43	112	744571	49.532	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	285057	52.298	ug/l	99
67) Ethyl Benzene	11.51	91	1325333	51.455	ug/l	100
68) m/p-Xylenes	11.62	106	967662	99.749	ug/l	98
69) o-Xylene	11.95	106	488582	51.220	ug/l	99
70) Styrene	11.97	104	869500	52.904	ug/l	100
71) Bromoform	12.13	173	193823	48.109	ug/l	100
73) Isopropylbenzene	12.25	105	1382314	51.811	ug/l	100
74) N-amyl acetate	12.07	43	604993	54.204	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	457895	51.250	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	383279m	50.244	ug/l	
77) Bromobenzene	12.53	156	330123	49.190	ug/l	100
78) n-propylbenzene	12.59	91	1612016	53.170	ug/l	100
79) 2-Chlorotoluene	12.68	91	959374	50.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1187144	52.619	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124204	48.637	ug/l	99
82) 4-Chlorotoluene	12.78	91	1023766	51.401	ug/l	100
83) tert-Butylbenzene	13.00	119	1050400	52.208	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1206060	53.717	ug/l	100
85) sec-Butylbenzene	13.18	105	1417346	53.871	ug/l	100
86) p-Isopropyltoluene	13.29	119	1277884	54.634	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	629046	51.318	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	629779	50.325	ug/l	99
89) n-Butylbenzene	13.62	91	1197838	54.017	ug/l	99
90) Hexachloroethane	13.88	117	200218	48.882	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	630928	51.312	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86828	53.981	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091819

Manual Integrations
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 9/20/2019 1:43:24 PM

Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	412453	52.500	ug/l	99
94) Hexachlorobutadiene	15.01	225	194090	51.114	ug/l	98
95) Naphthalene	15.13	128	1145601	56.267	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	385935	51.974	ug/l	98

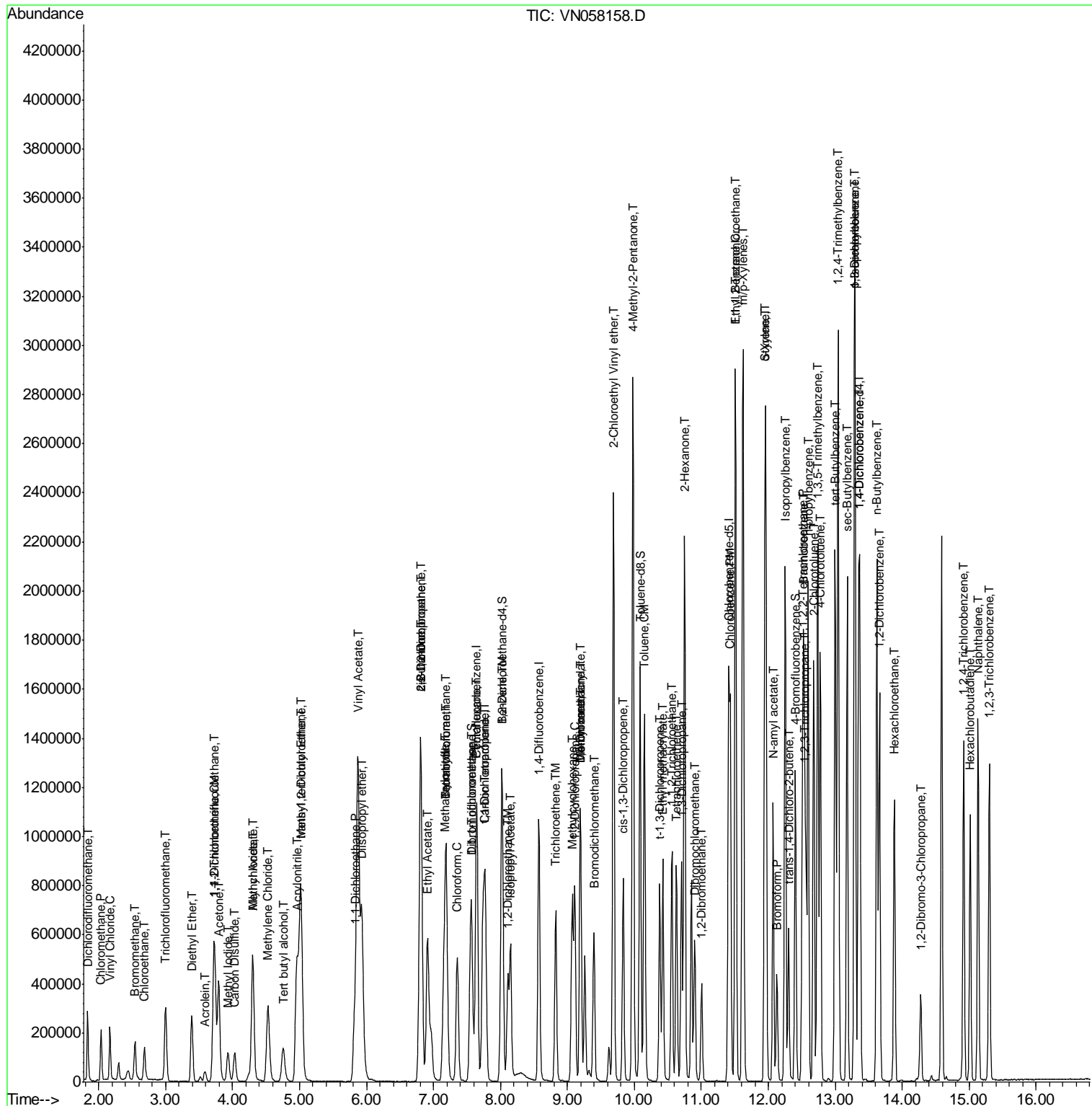
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

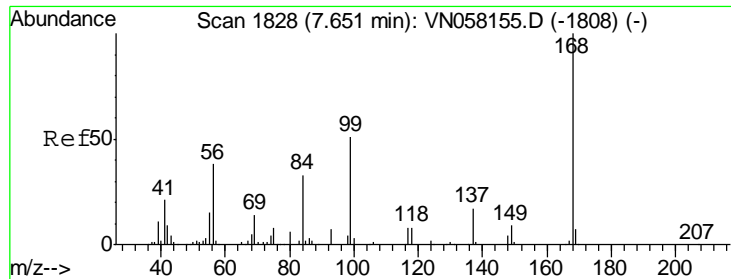
Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Manual Integrations APPROVED
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Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration



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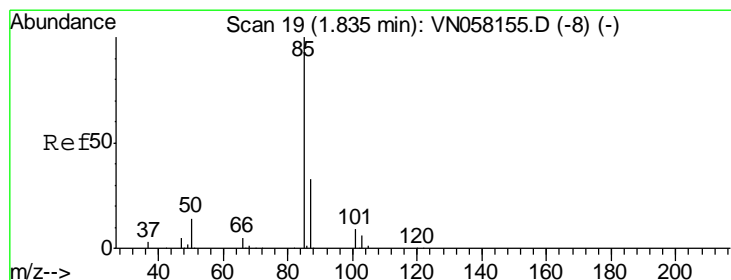
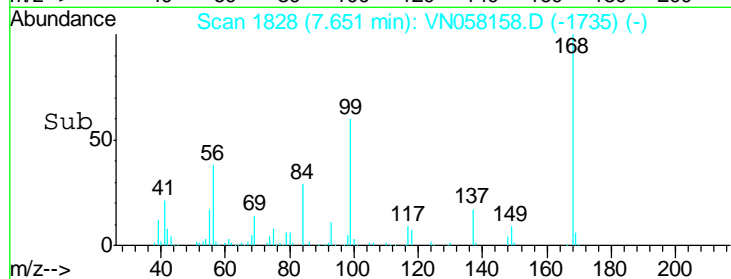
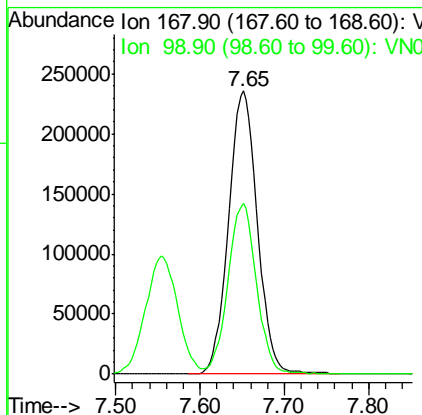
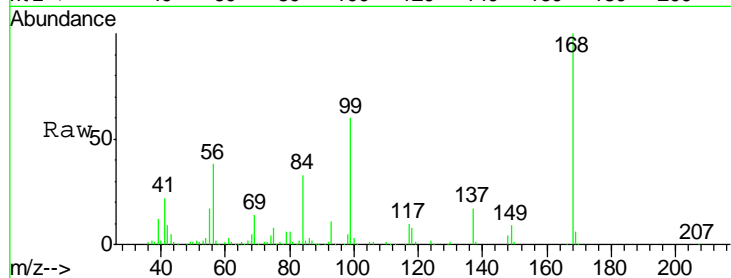
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
168	100		
99	59.9	47.4	71.2

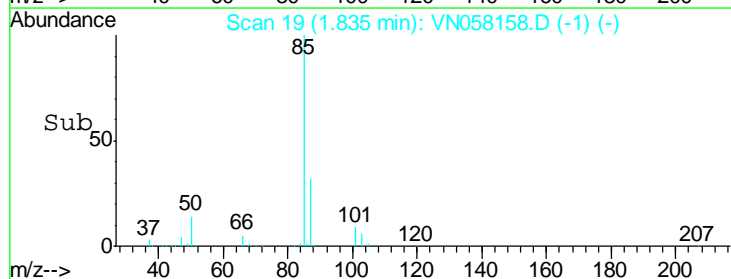
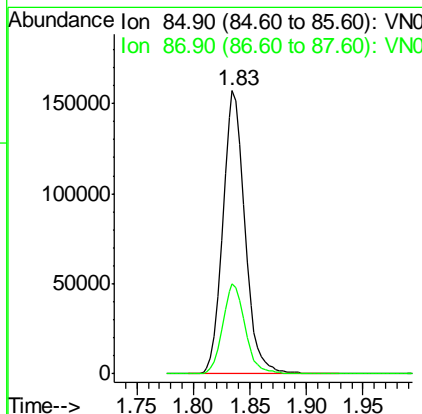
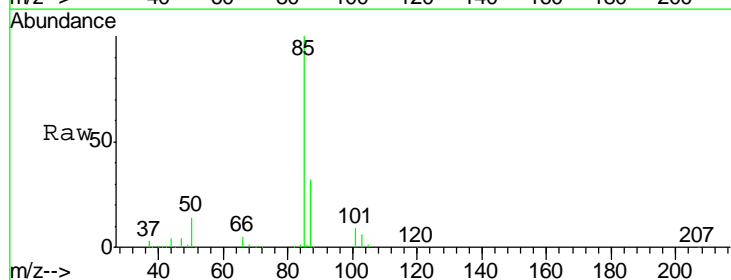
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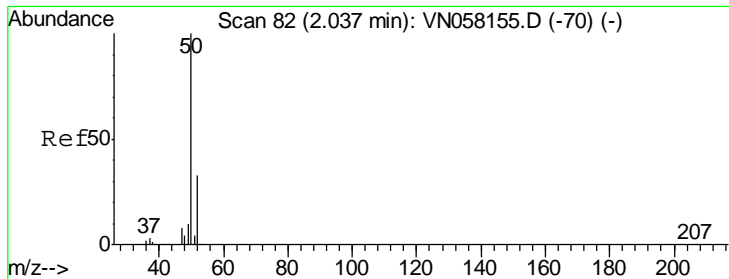
MMDadoda
 9/20/2019 1:43:24 PM



#2
 Dichlorodifluoromethane
 Concen: 46.501 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.7	16.3	48.9



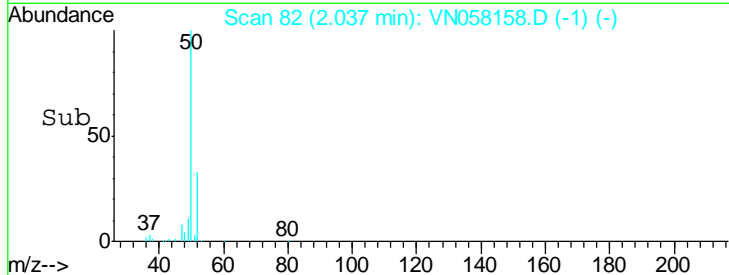
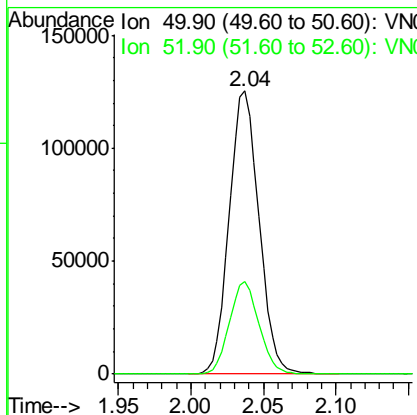
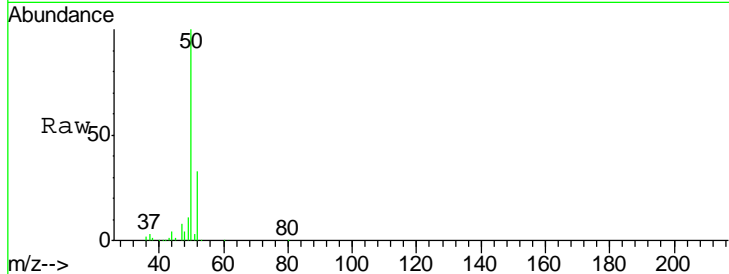


#3
 Chloromethane
 Concen: 50.422 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
50	179051		
52	32.7	26.3	39.5

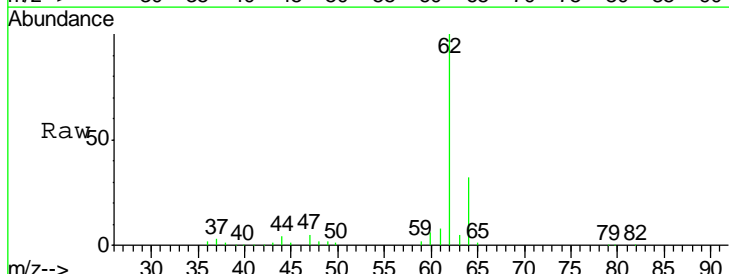
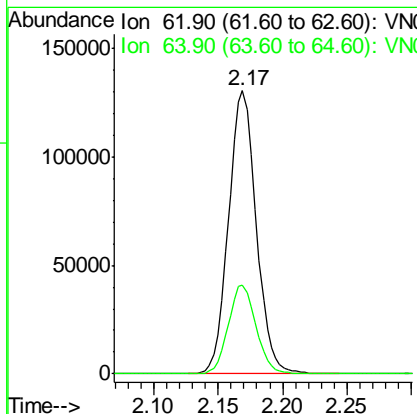
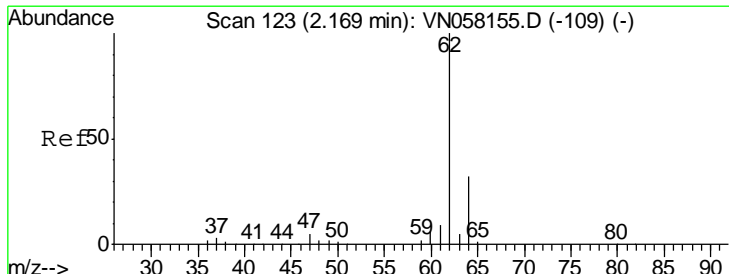
Instrument : MSVOA_N
 Client Sampled : ICVVN091819

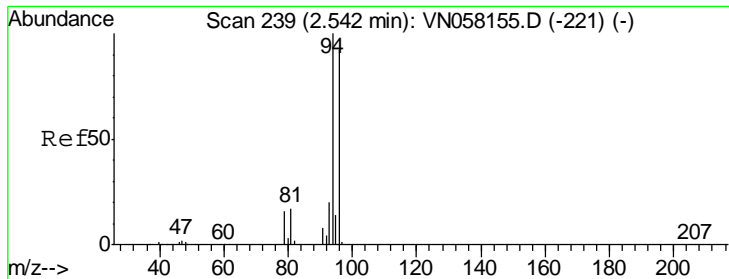
Manual Integrations APPROVED
 MMDadoda
 9/20/2019 1:43:24 PM



#4
 Vinyl Chloride
 Concen: 50.160 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
62	194805		
64	31.5	25.4	38.2



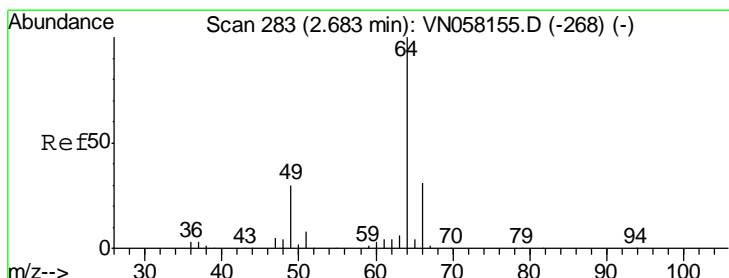
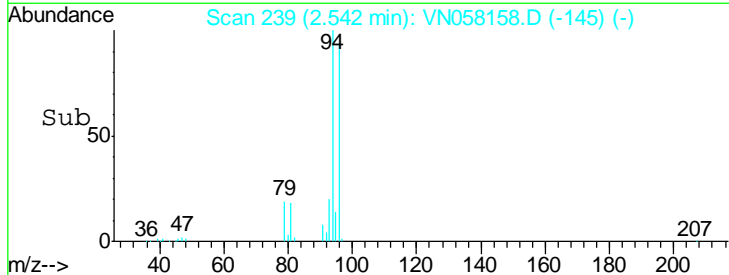
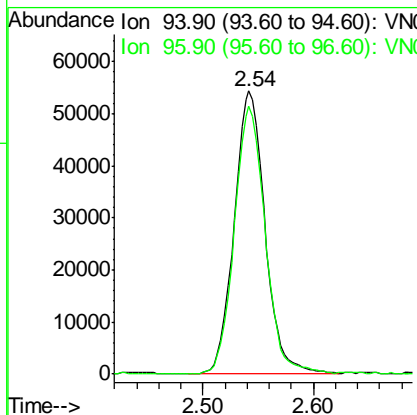
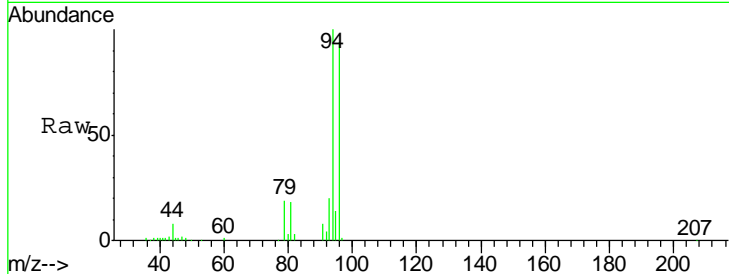


#5
 Bromomethane
 Concen: 51.291 ug/l
 RT: 2.54 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
94	105492		
96	94.5	73.3	109.9

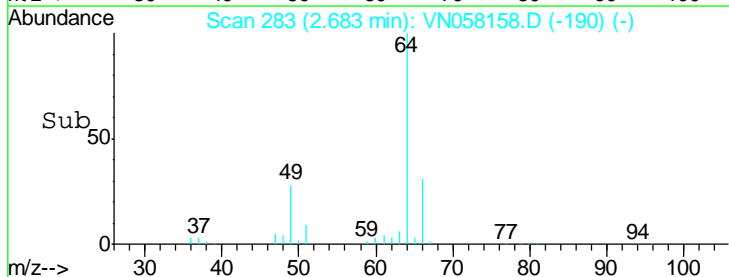
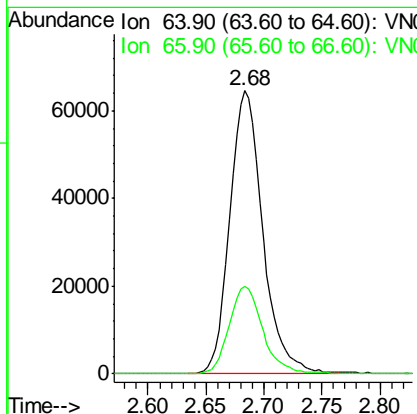
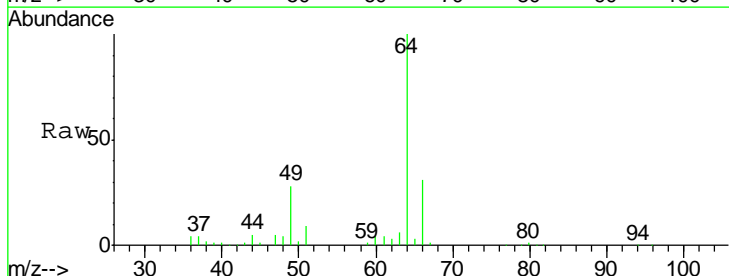
Instrument : MSVOA_N
 Client Sampled : ICVVN091819

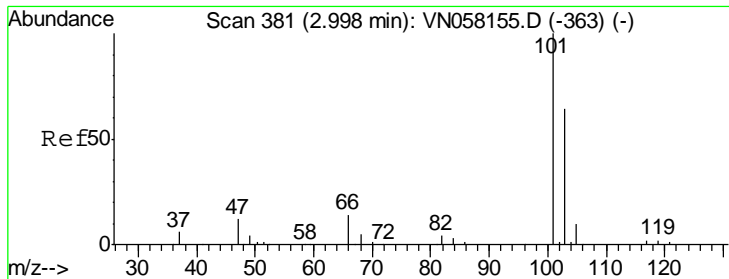
Manual Integrations APPROVED
 MMDadoda
 9/20/2019 1:43:24 PM



#6
 Chloroethane
 Concen: 50.996 ug/l
 RT: 2.68 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
64	126784		
66	31.1	24.6	37.0



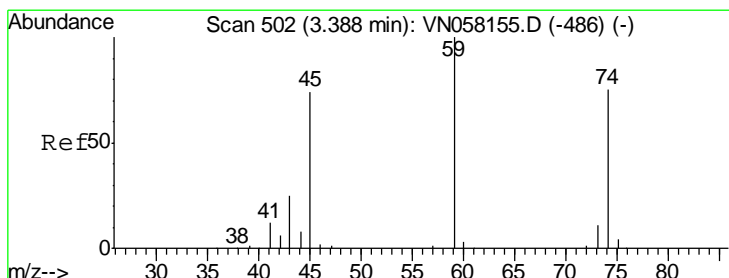
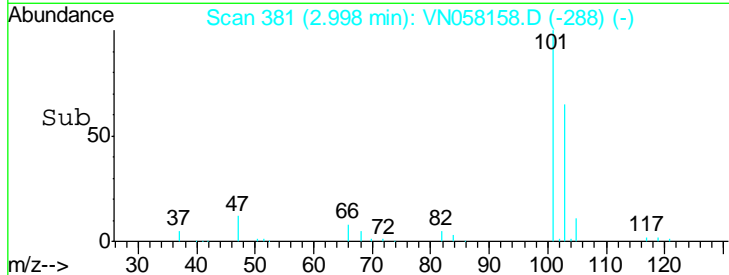
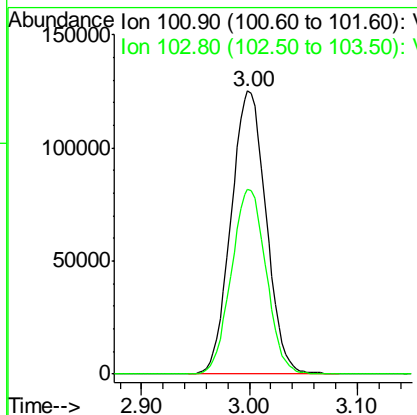
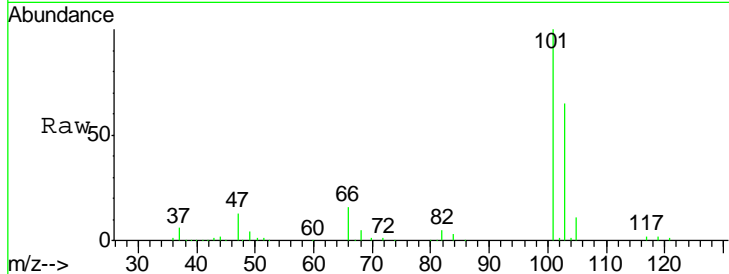


#7
 Trichlorofluoromethane
 Concen: 45.064 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
101	283424		
103	65.4	51.0	76.6

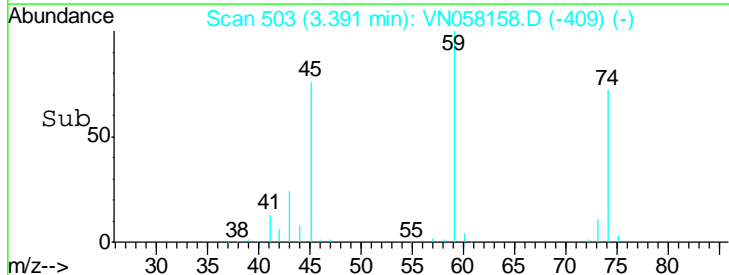
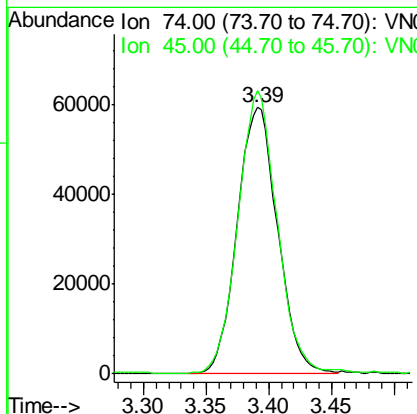
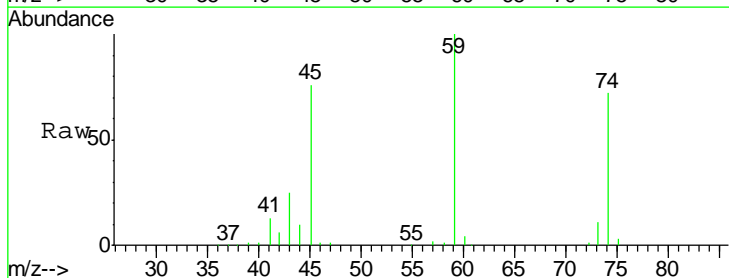
Instrument : MSVOA_N
 ClientSampled : ICVVN091819

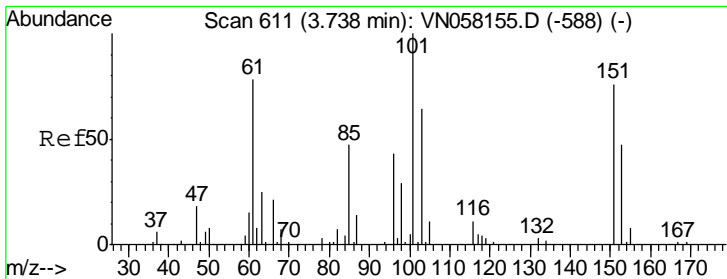
Manual Integrations APPROVED
 MMDadoda
 9/20/2019 1:43:24 PM



#8
 Diethyl Ether
 Concen: 46.266 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

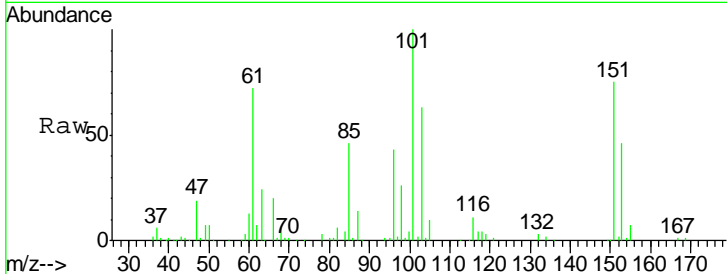
Tgt Ion	Resp	Lower	Upper
74	133327		
45	102.5	48.5	145.5





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.595 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058158.D
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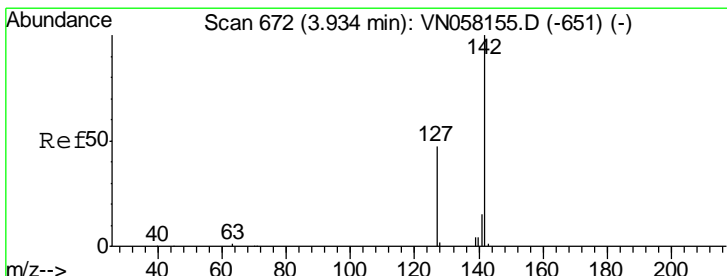
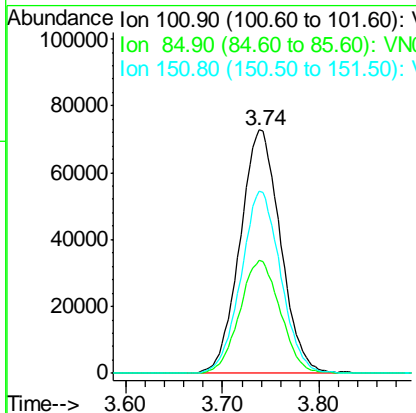
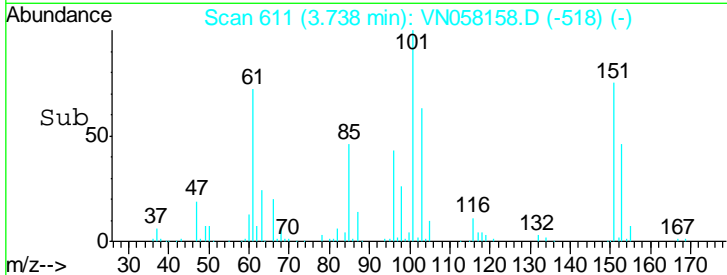
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819



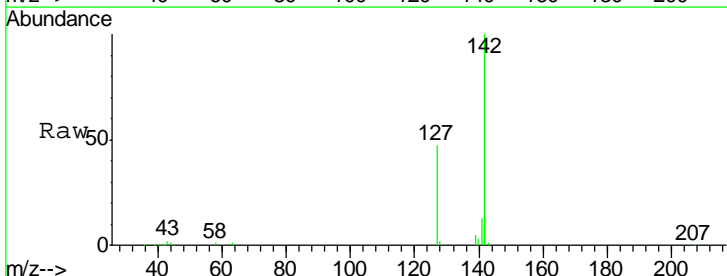
Tgt Ion: 101 Resp: 211289

Ion	Ratio	Lower	Upper
101	100		
85	46.4	37.3	55.9
151	73.3	59.6	89.4

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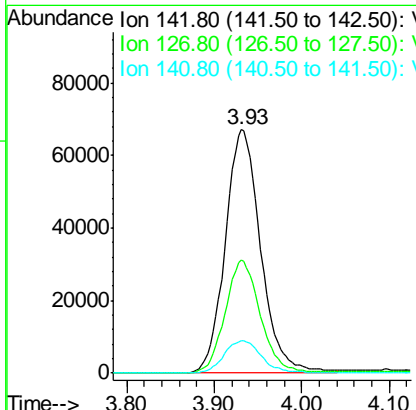
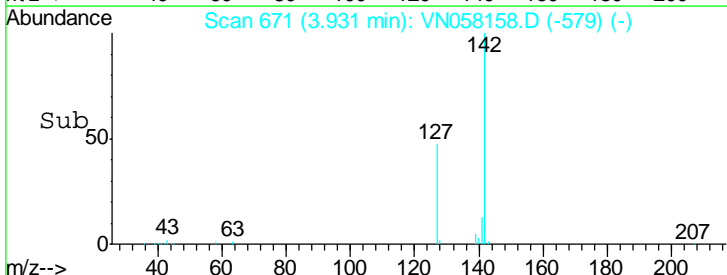


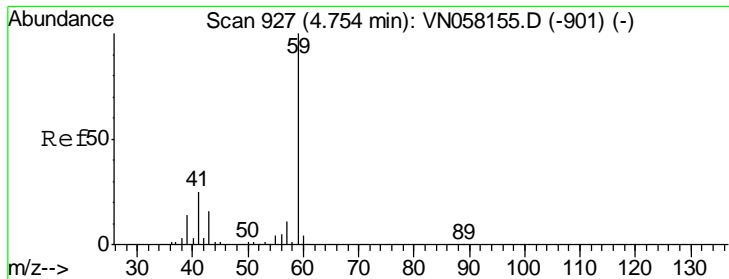
#10
 Methyl Iodide
 Concen: 49.844 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058158.D
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Tgt Ion: 142 Resp: 189392

Ion	Ratio	Lower	Upper
142	100		
127	45.8	37.5	56.3
141	14.0	11.4	17.2





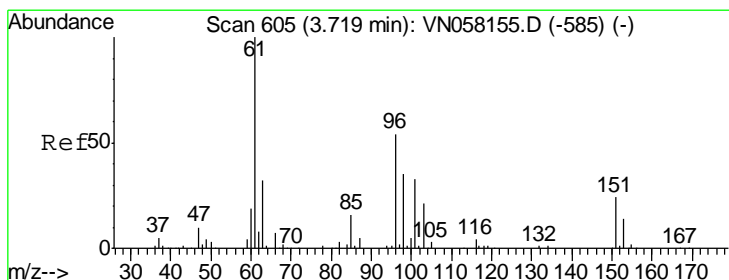
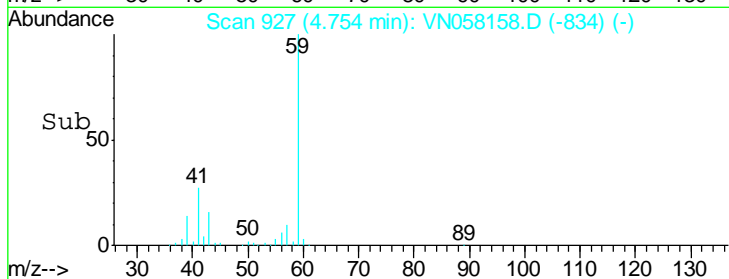
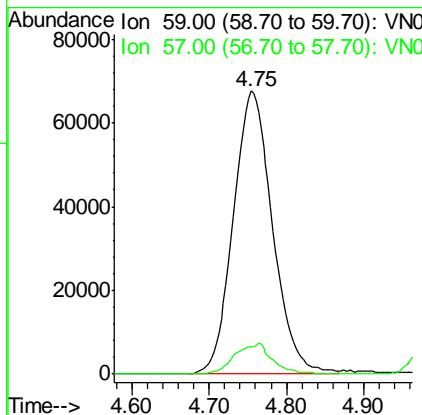
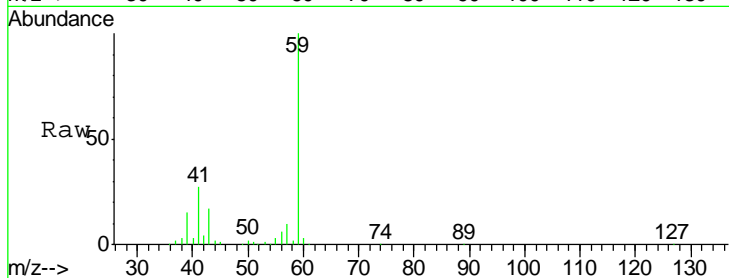
#11
 Tert butyl alcohol
 Concen: 256.800 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.3	8.6	13.0

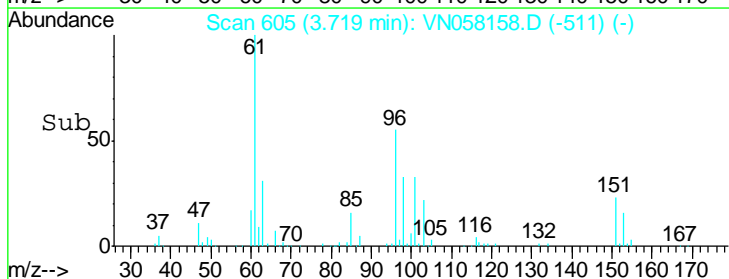
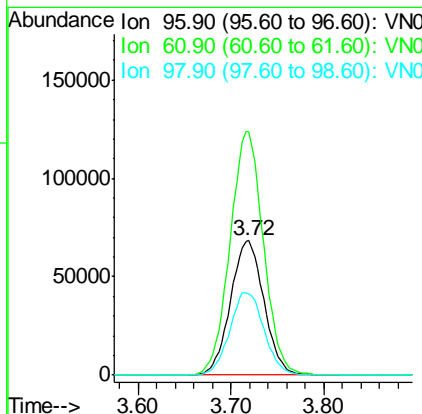
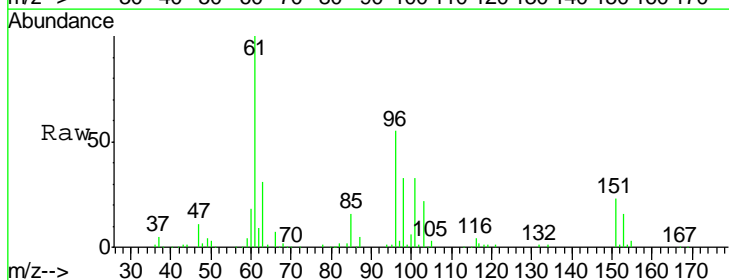
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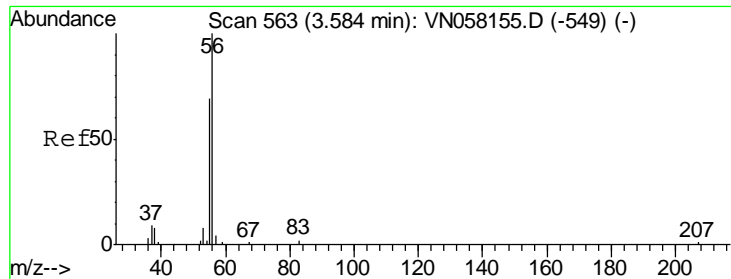
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#12
 1,1-Dichloroethene
 Concen: 49.829 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
96	100		
61	181.2	149.5	224.3
98	60.4	52.4	78.6





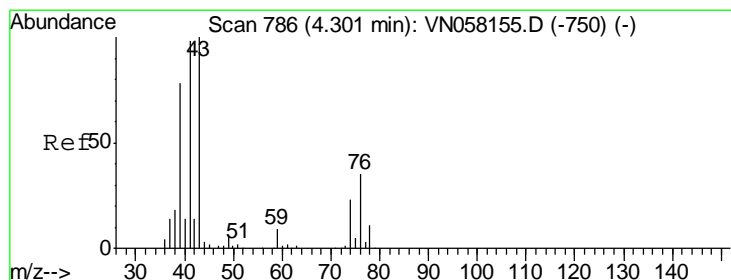
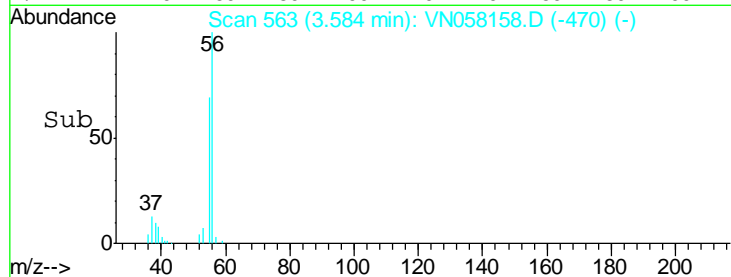
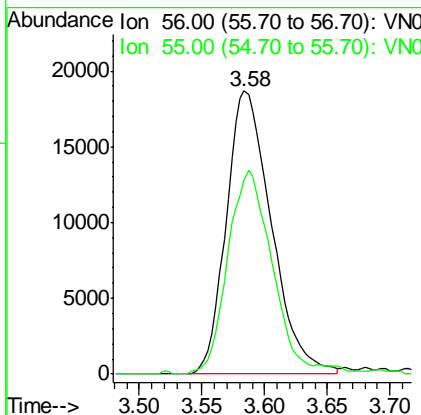
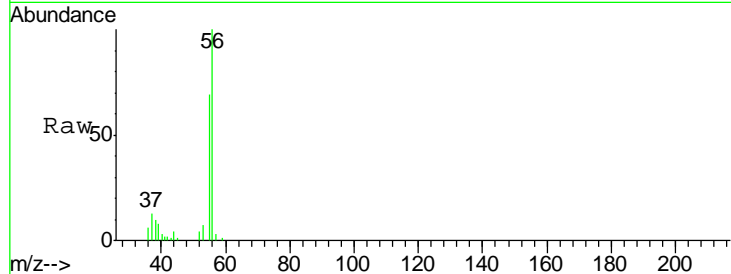
#13
 Acrolein
 Concen: 339.293 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
56	46727		
56	100		
55	69.6	56.1	84.1

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

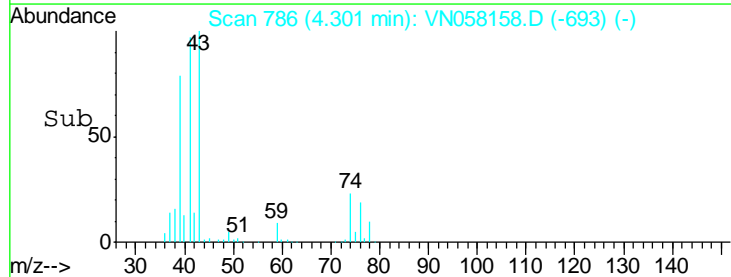
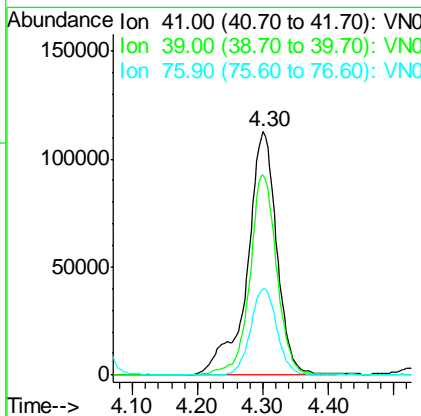
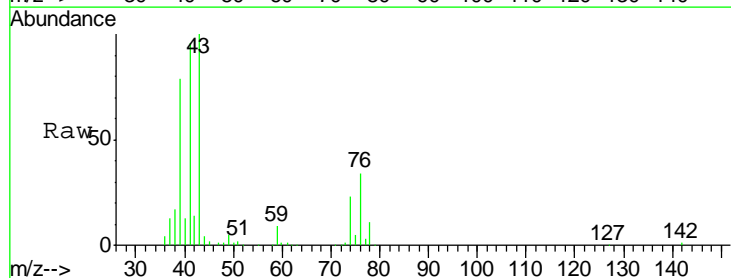
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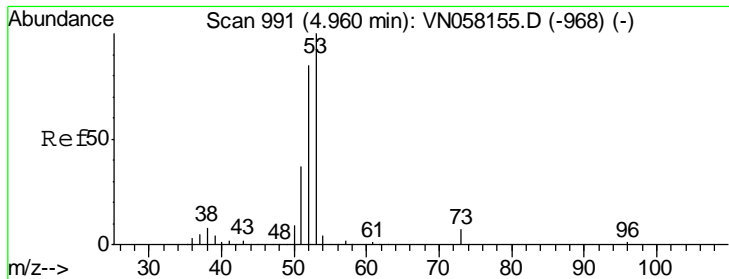
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#14
 Allyl chloride
 Concen: 47.970 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
41	355939		
41	100		
39	74.7	59.1	88.7
76	31.7	25.1	37.7





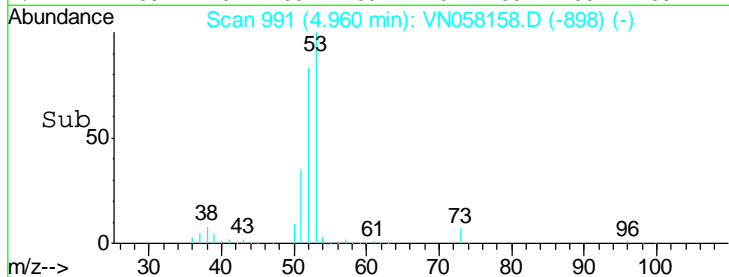
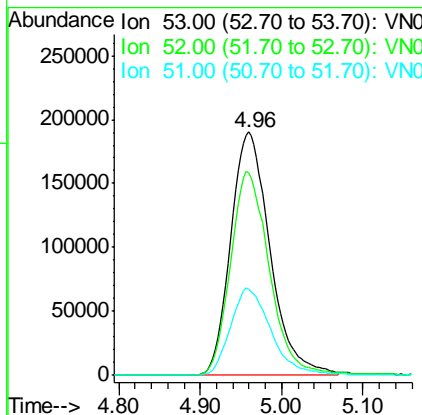
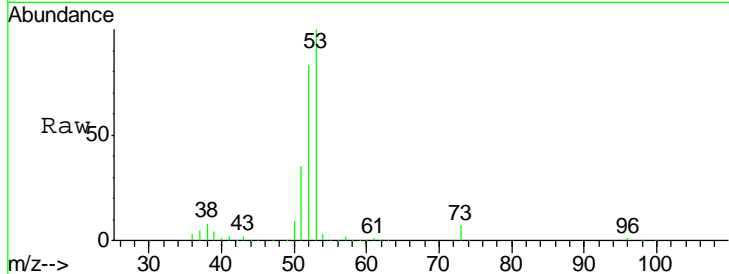
#15
 Acrylonitrile
 Concen: 258.297 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.8	66.6	100.0
51	37.1	29.7	44.5

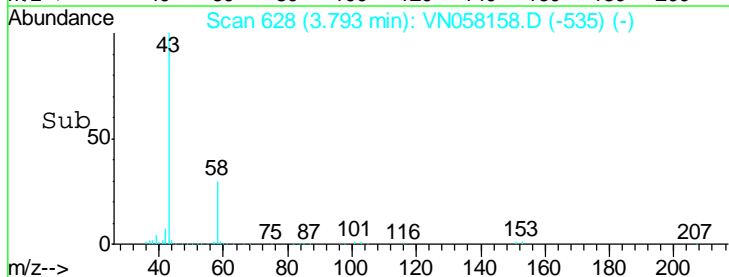
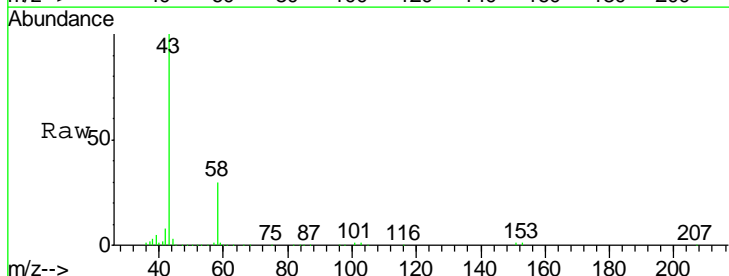
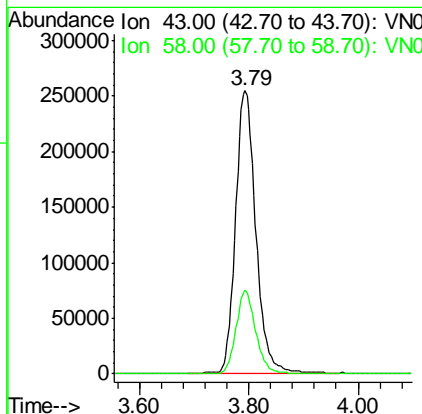
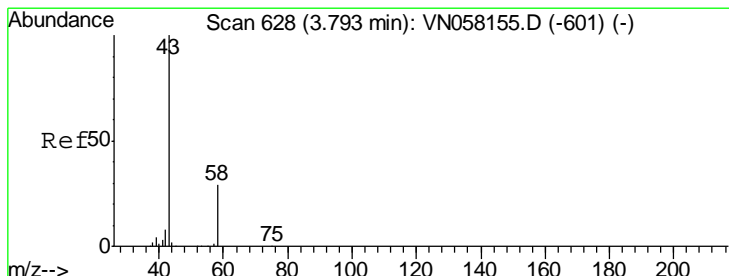
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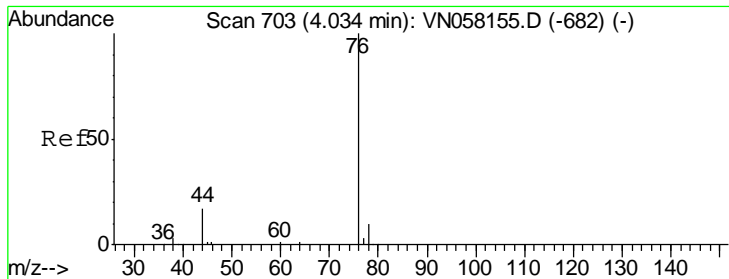
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#16
 Acetone
 Concen: 249.845 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
43	100		
58	29.6	23.4	35.2





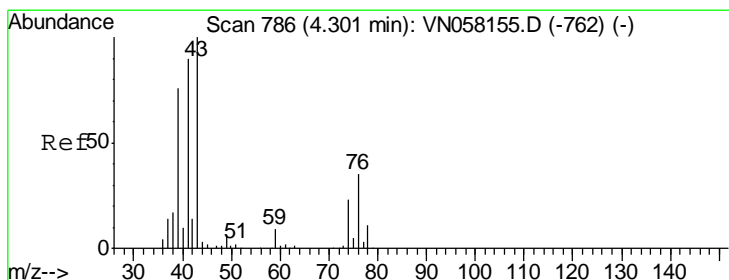
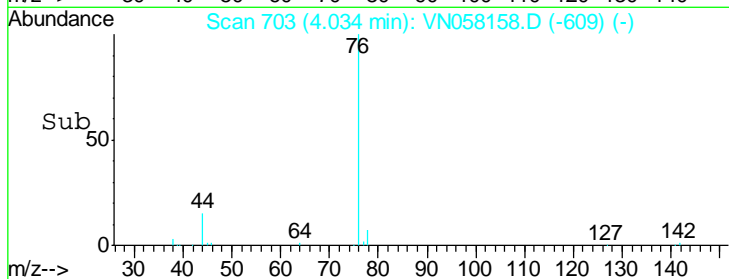
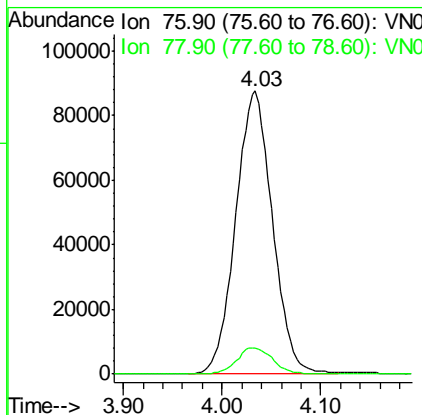
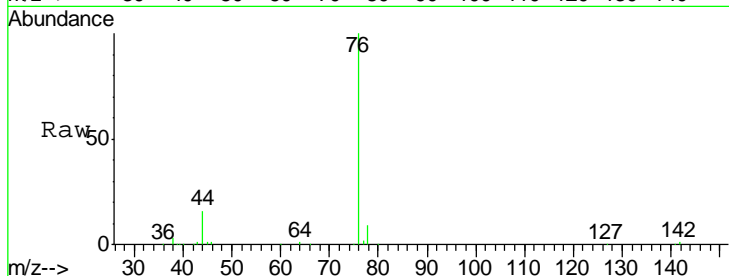
#17
 Carbon Disulfide
 Concen: 46.779 ug/l
 RT: 4.03 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
76	226502		
76	100		
78	9.0	7.7	11.5

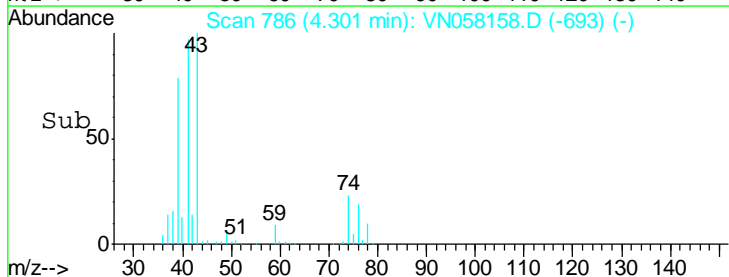
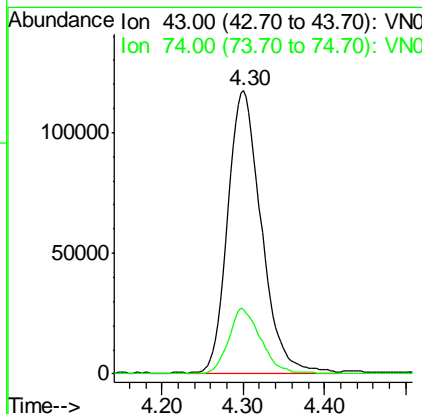
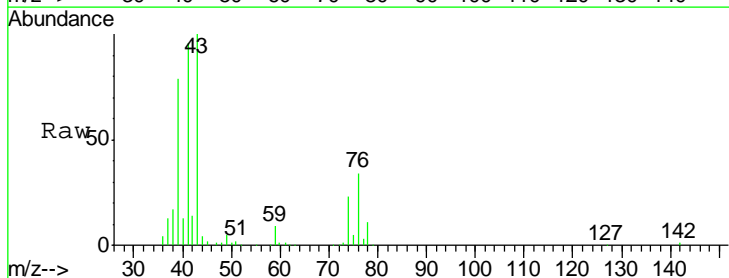
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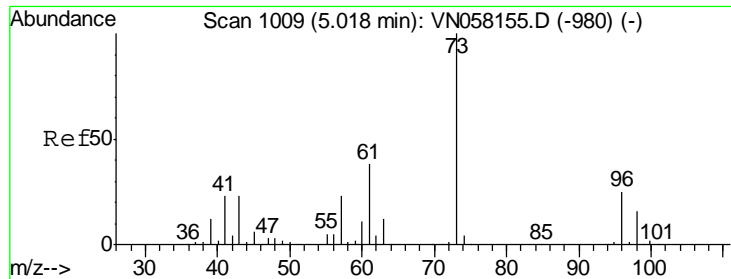
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#18
 Methyl Acetate
 Concen: 48.218 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
43	336457		
43	100		
74	22.3	18.0	27.0





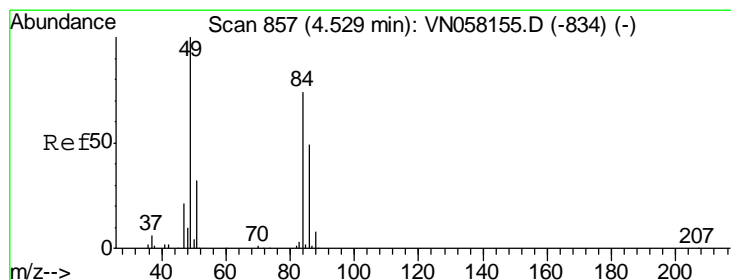
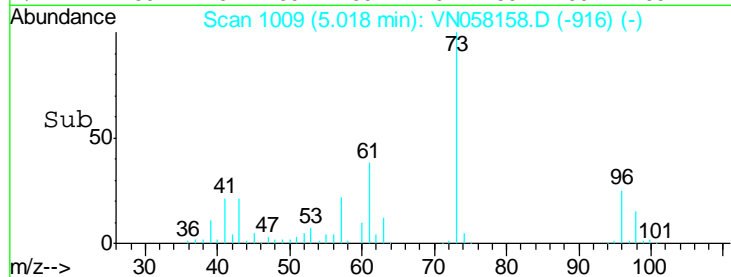
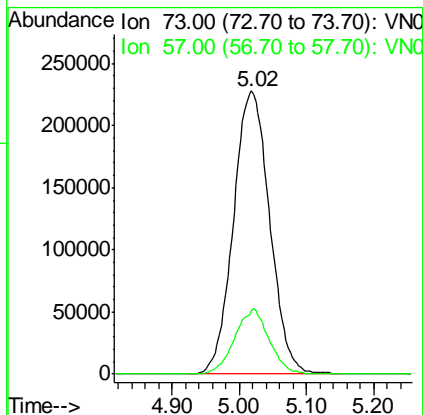
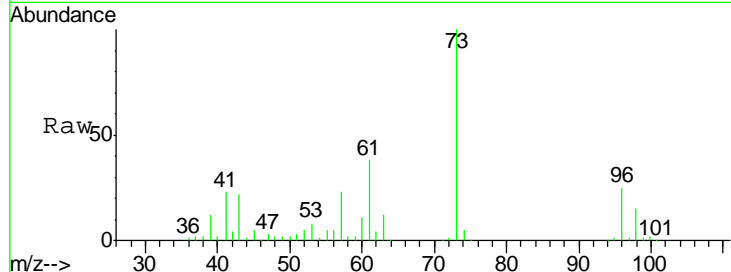
#19
 Methyl tert-butyl Ether
 Concen: 49.839 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.5	18.1	27.1

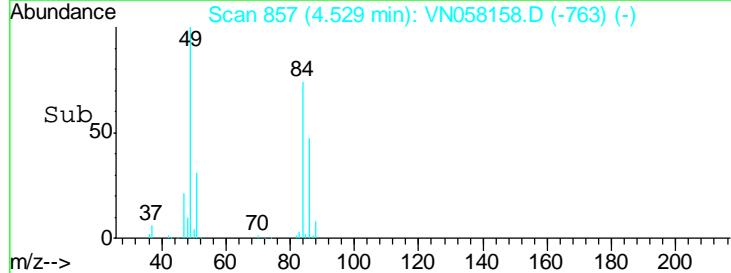
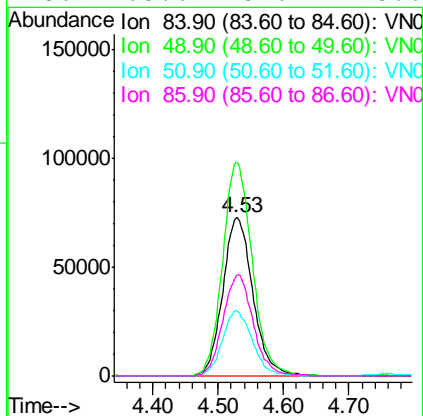
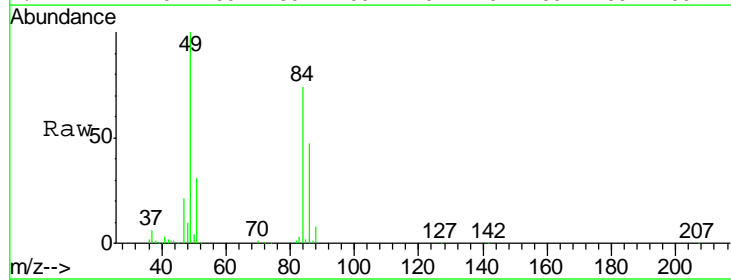
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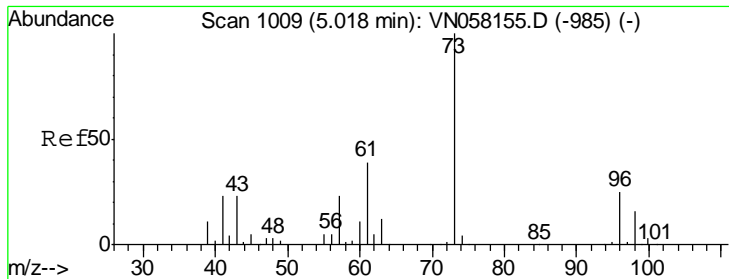
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#20
 Methylene Chloride
 Concen: 50.185 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
84	100		
49	134.8	107.5	161.3
51	41.2	33.9	50.9
86	63.6	52.4	78.6





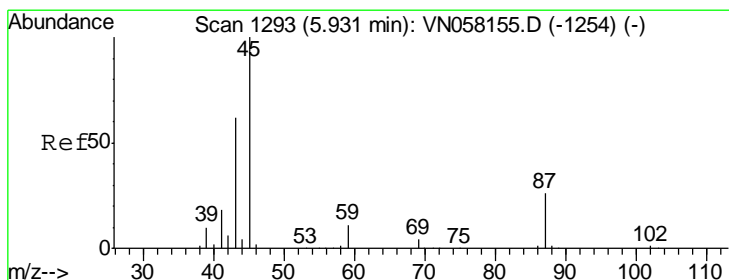
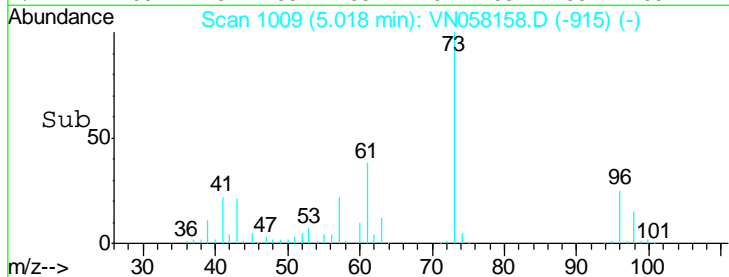
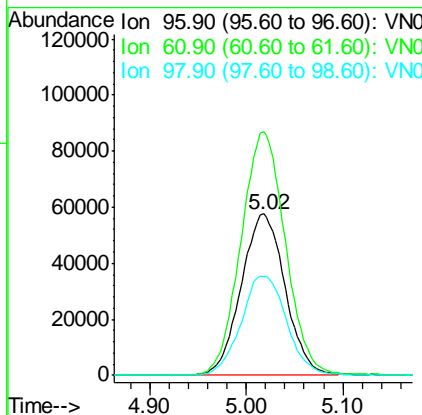
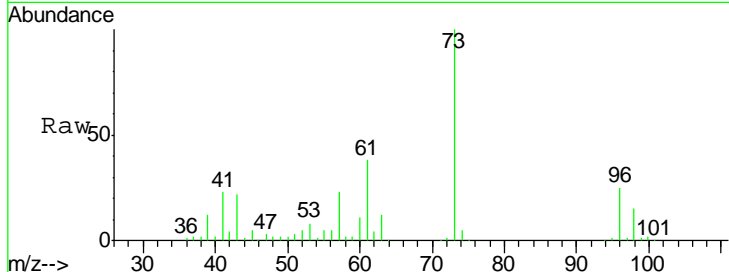
#21
 trans-1,2-Dichloroethene
 Concen: 48.485 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
96	181857		
96	100		
61	151.1	122.2	183.4
98	61.2	49.9	74.9

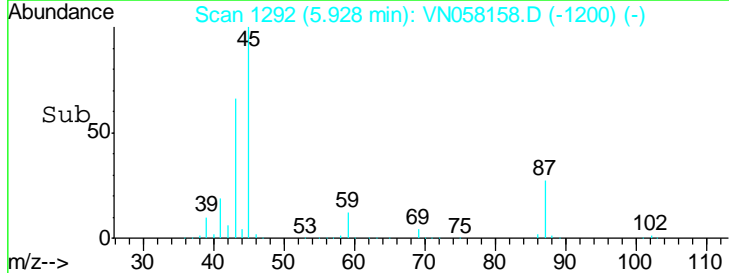
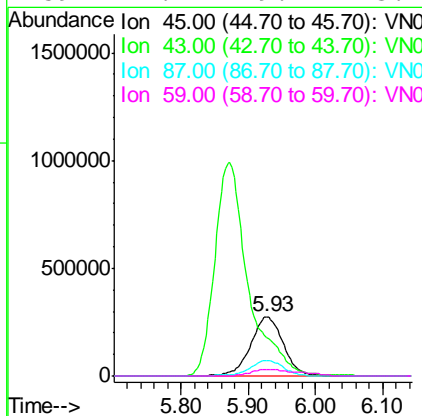
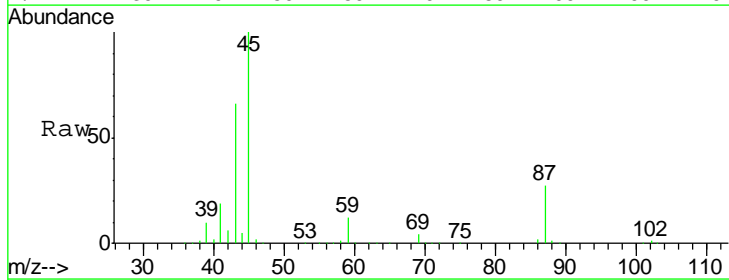
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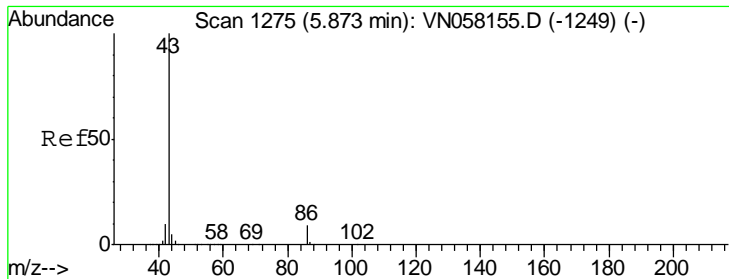
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#22
 Diisopropyl ether
 Concen: 49.162 ug/l
 RT: 5.93 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
45	926623		
45	100		
43	65.0	49.7	74.5
87	26.7	20.7	31.1
59	11.4	9.1	13.7





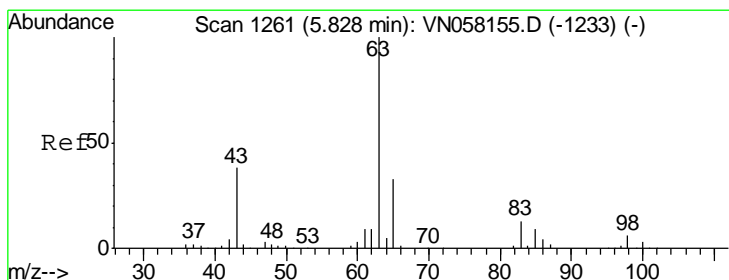
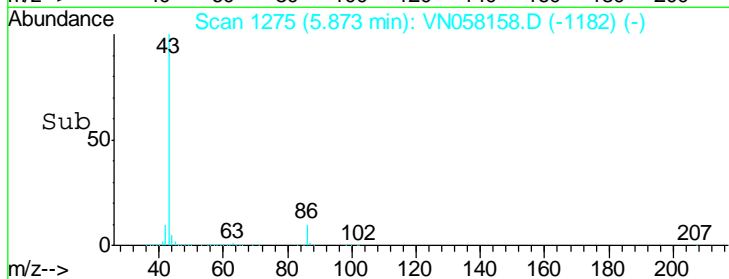
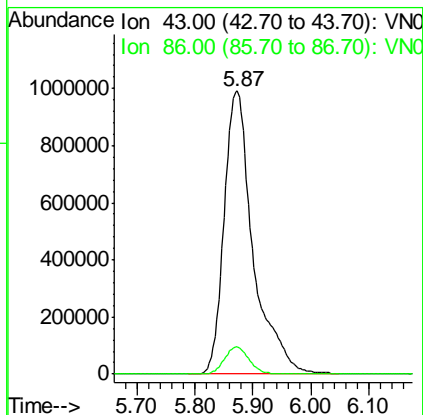
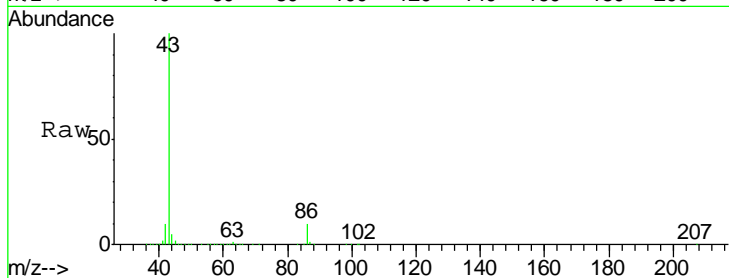
#23
 Vinyl Acetate
 Concen: 266.867 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
43	100		
86	9.7	7.4	11.2

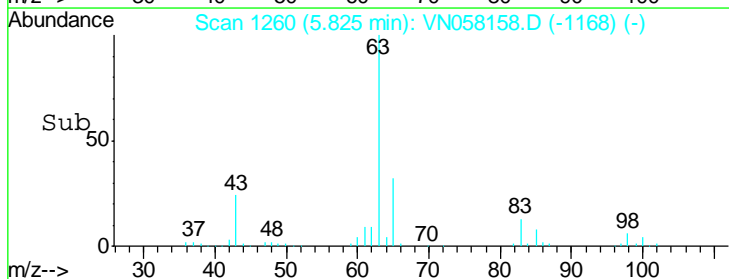
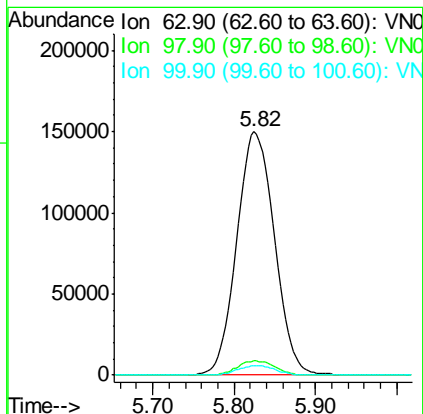
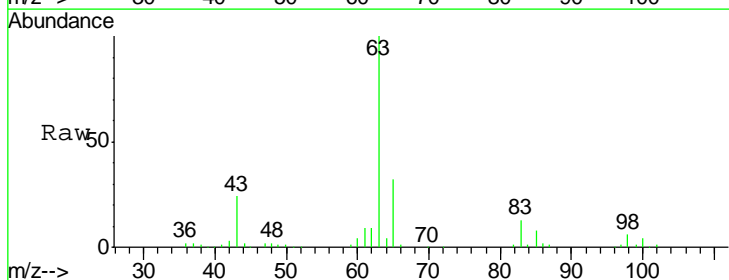
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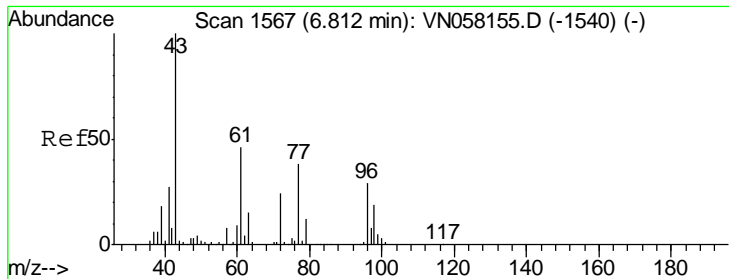
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#24
 1,1-Dichloroethane
 Concen: 47.734 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
63	100		
98	5.7	2.9	8.6
100	3.8	1.8	5.3





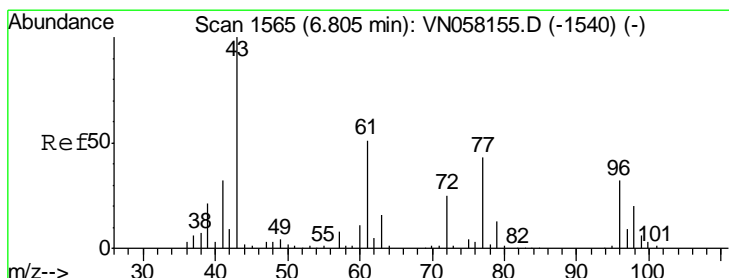
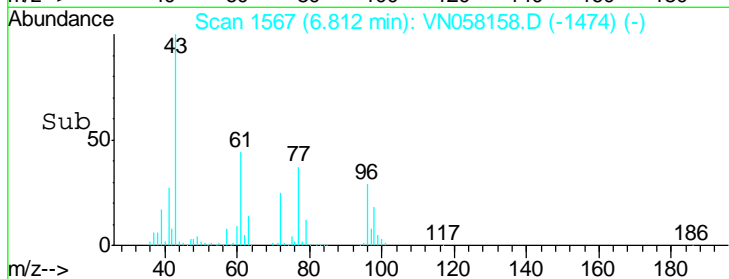
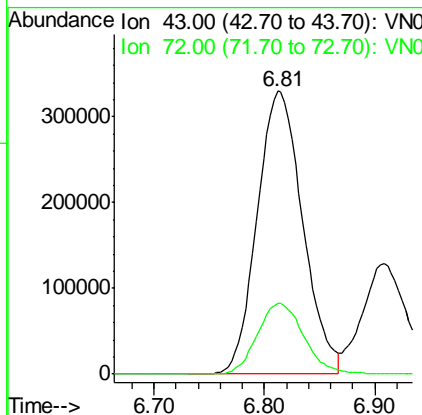
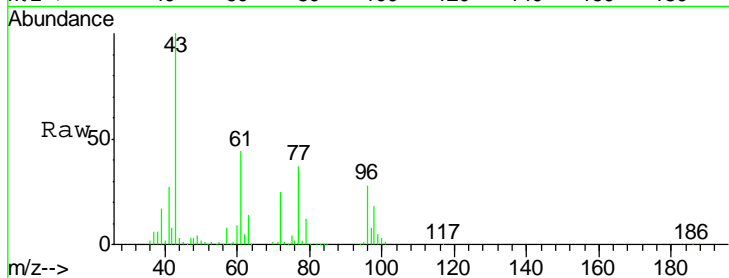
#25
 2-Butanone
 Concen: 260.542 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.1	19.5	29.3

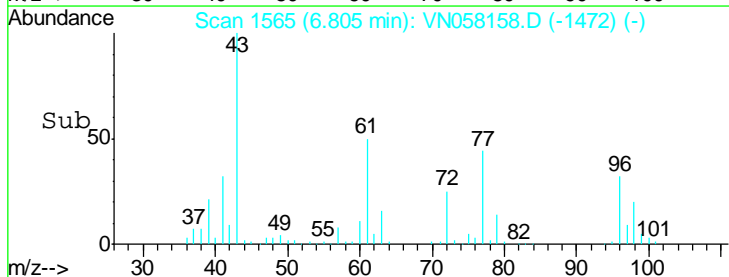
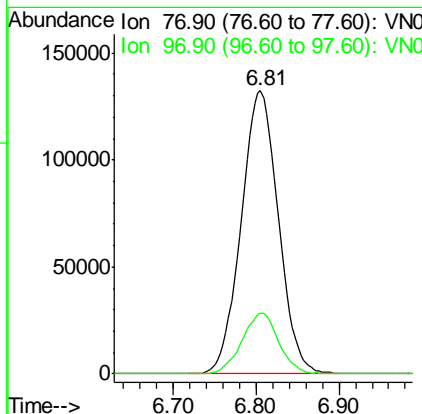
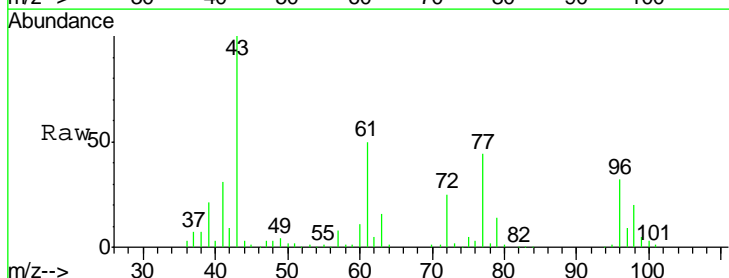
Manual Integrations
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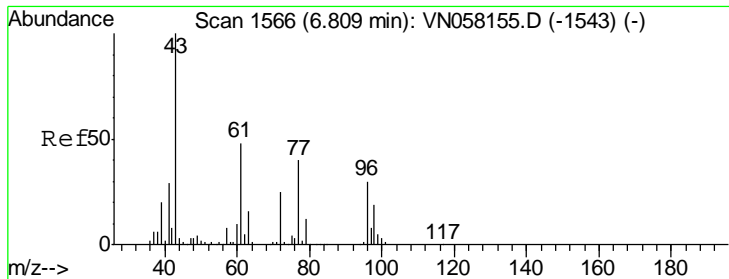
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#26
 2,2-Dichloropropane
 Concen: 48.344 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
77	100		
97	21.3	10.5	31.6





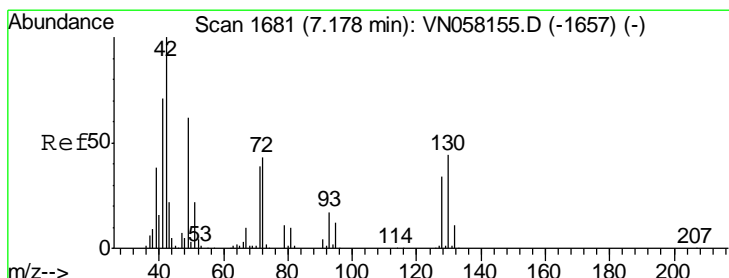
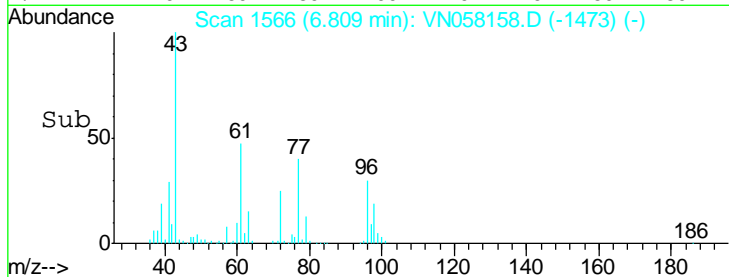
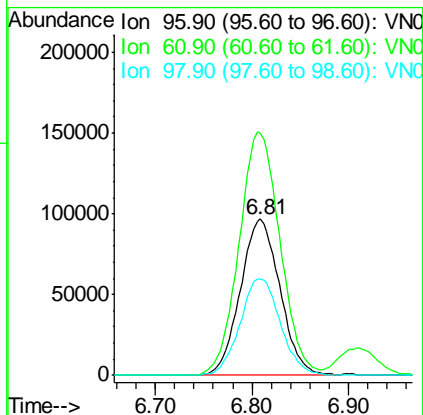
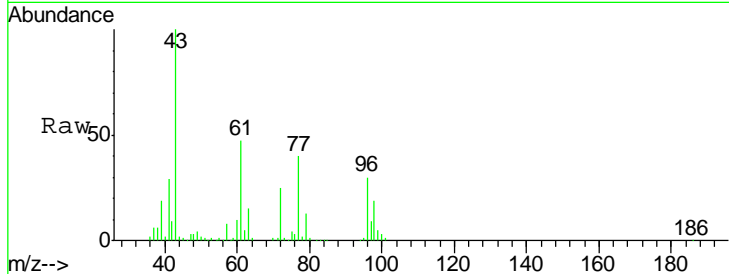
#27
 cis-1,2-Dichloroethene
 Concen: 48.446 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
96	275568		
96	100		
61	160.5	0.0	319.0
98	63.2	0.0	126.6

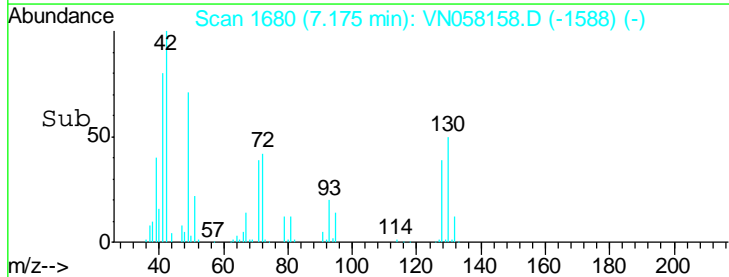
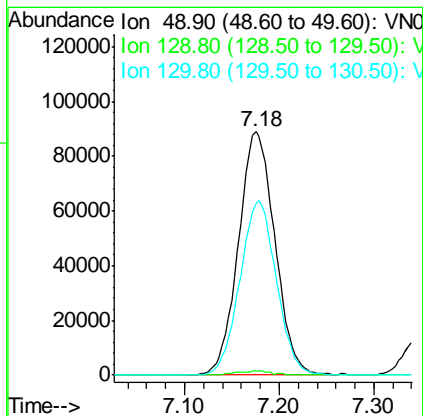
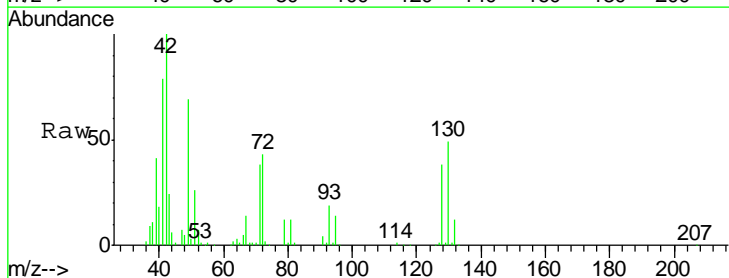
Manual Integrations
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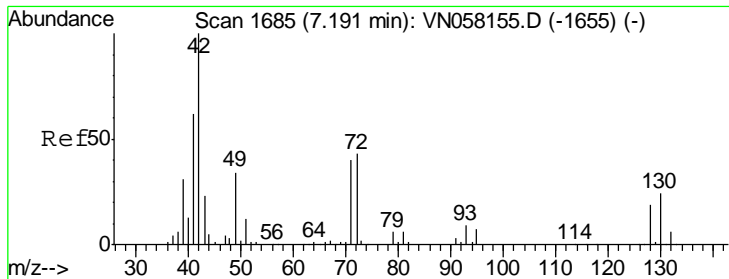
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#28
 Bromochloromethane
 Concen: 50.045 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
49	238158		
49	100		
129	1.5	0.0	1.8
130	71.8	55.4	83.2





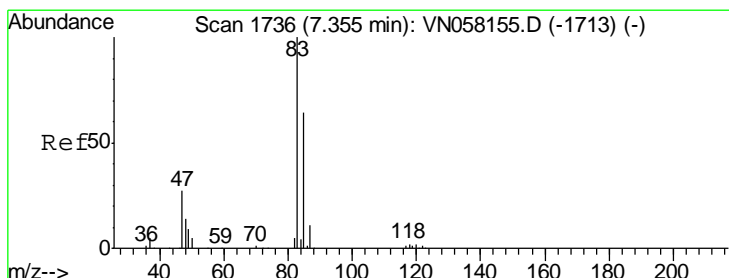
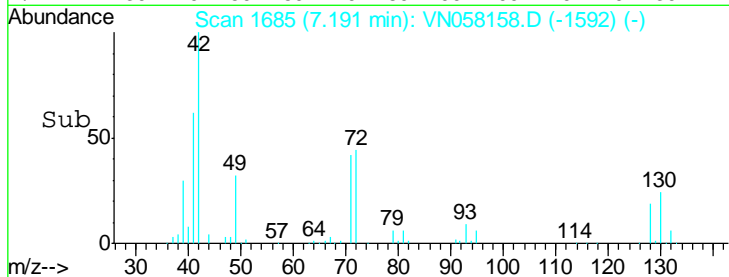
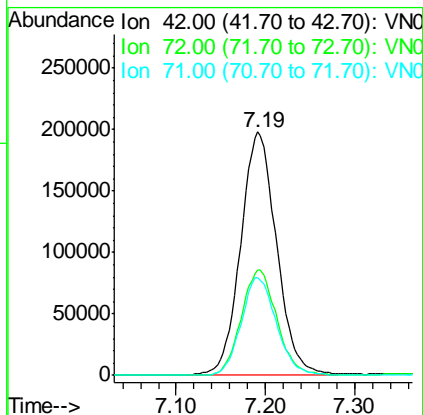
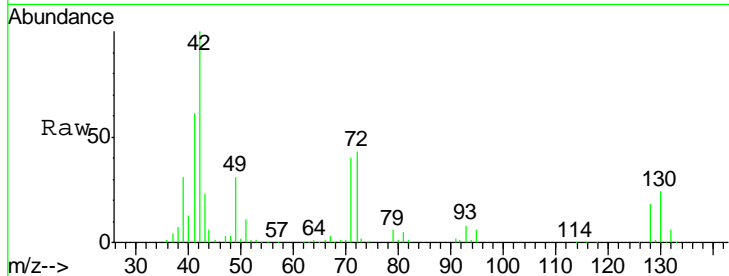
#29
 Tetrahydrofuran
 Concen: 247.849 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
42	100		
72	43.0	33.8	50.6
71	39.8	31.4	47.0

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

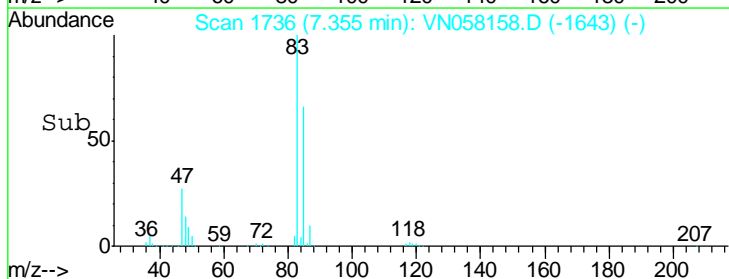
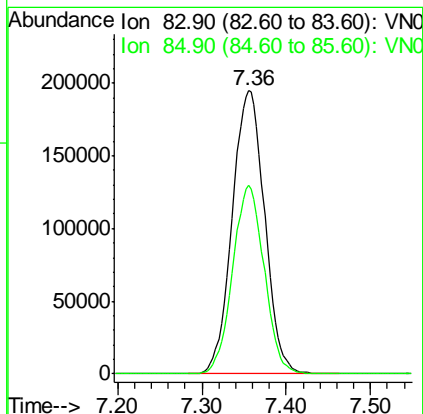
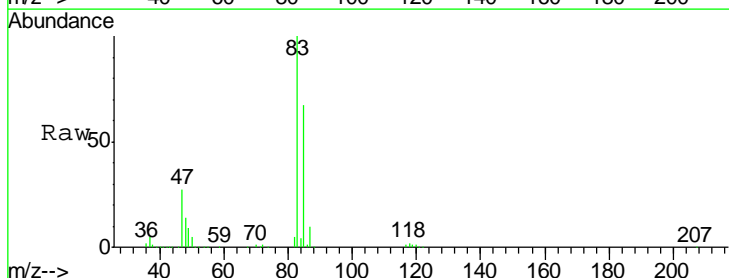
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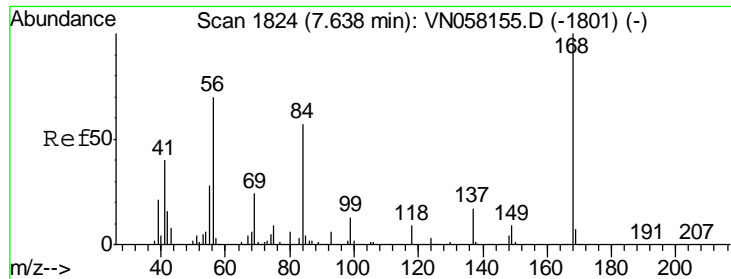
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#30
 Chloroform
 Concen: 48.062 ug/l
 RT: 7.36 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
83	100		
85	66.5	51.4	77.2





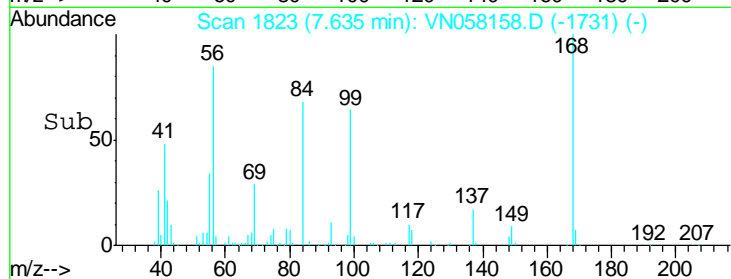
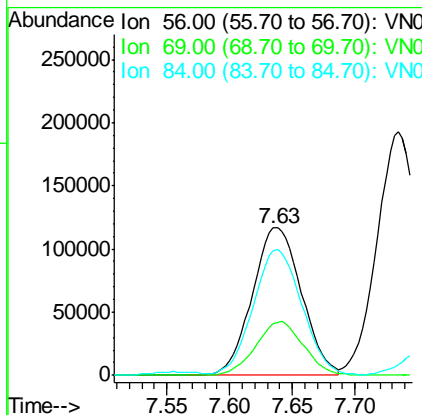
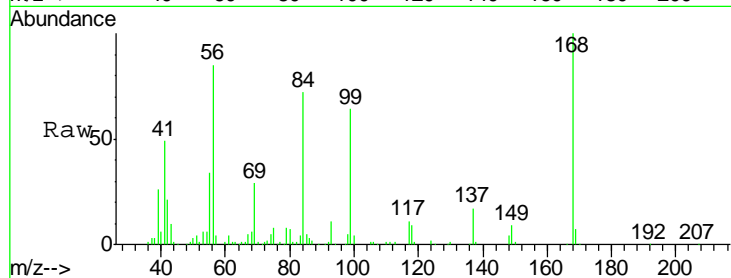
#31
 Cyclohexane
 Concen: 48.933 ug/l
 RT: 7.63 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
56	100		
69	34.7	27.3	40.9
84	83.0	65.0	97.4

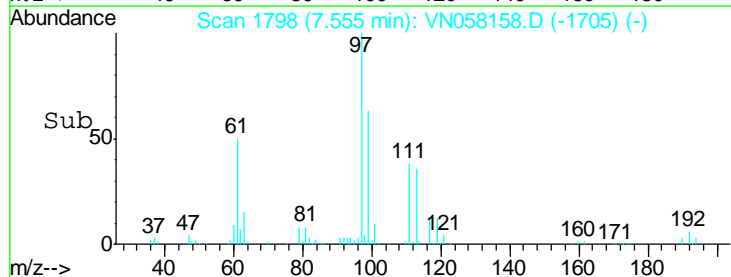
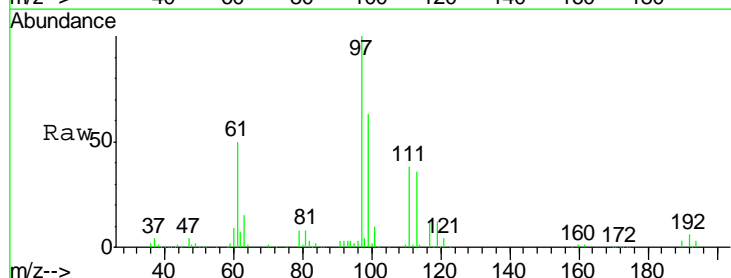
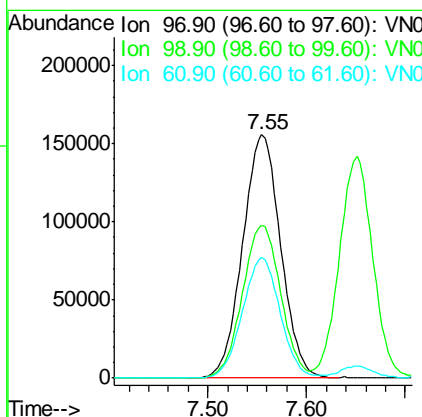
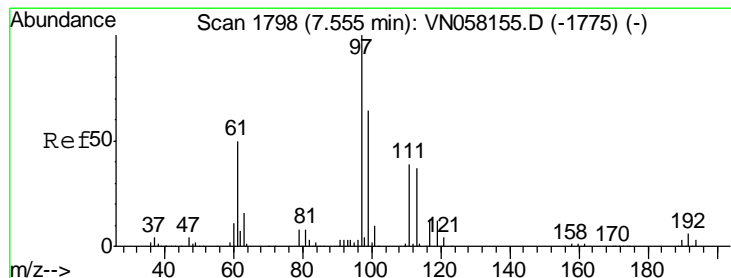
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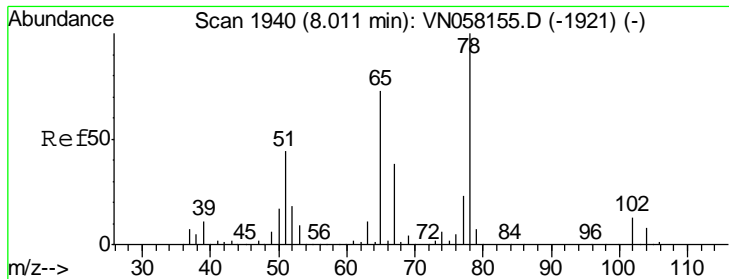
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#32
 1,1,1-Trichloroethane
 Concen: 50.378 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.1	50.9	76.3
61	49.1	39.2	58.8



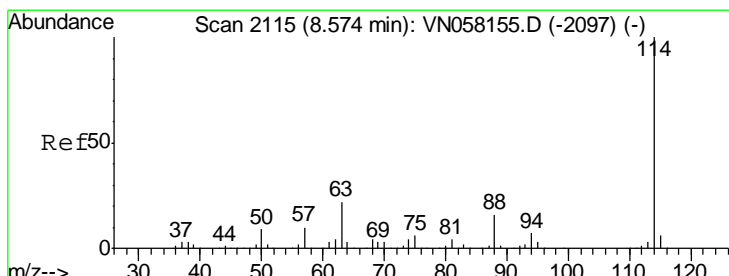
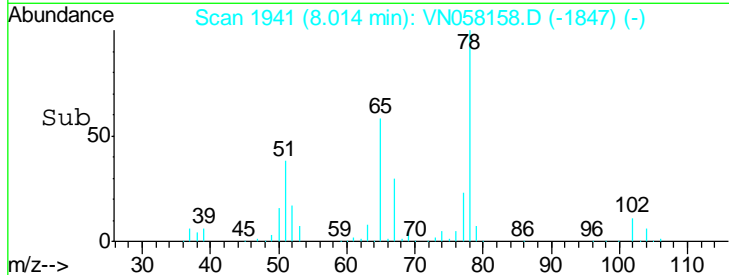
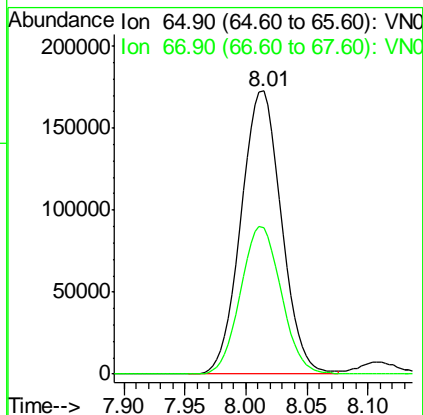
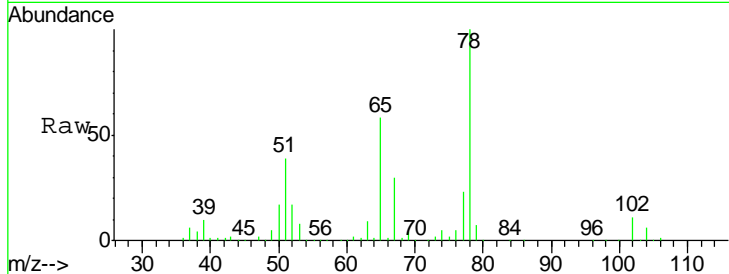


#33
 1,2-Dichloroethane-d4
 Concen: 50.775 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
65	100		
67	52.3	0.0	103.4

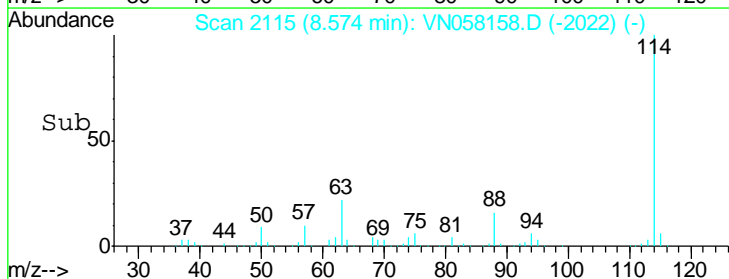
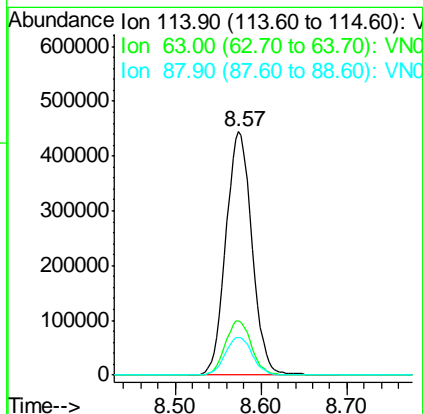
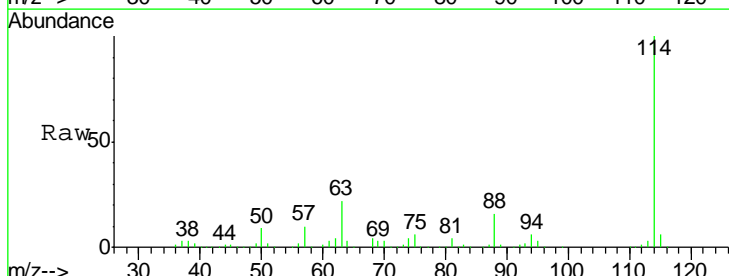
Instrument : MSVOA_N
 ClientSampled : ICVVN091819

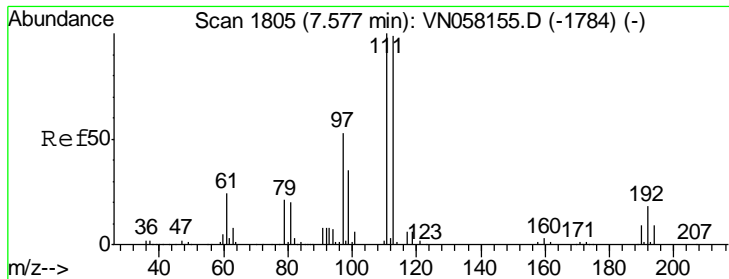
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
114	100		
63	22.4	0.0	44.2
88	15.5	0.0	31.6





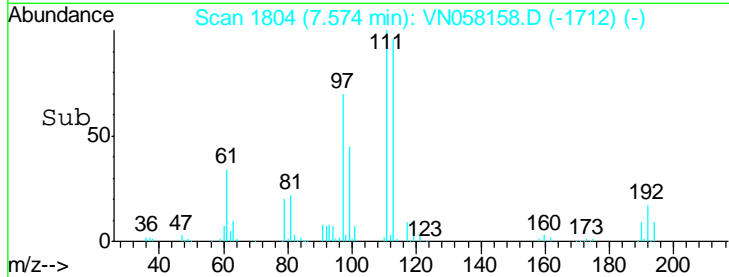
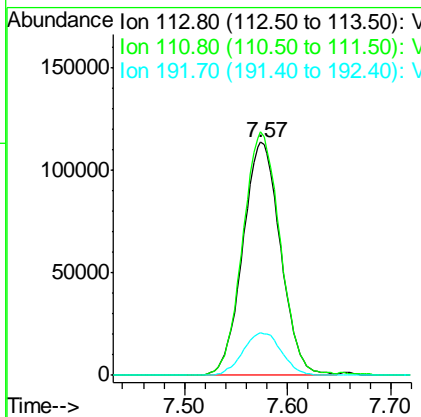
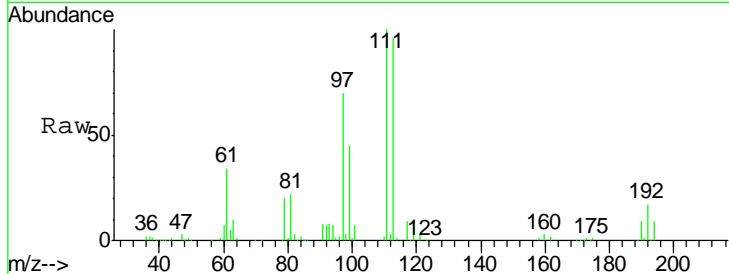
#35
 Dibromofluoromethane
 Concen: 50.719 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
113	288636		
113	100		
111	103.4	81.8	122.6
192	18.7	14.5	21.7

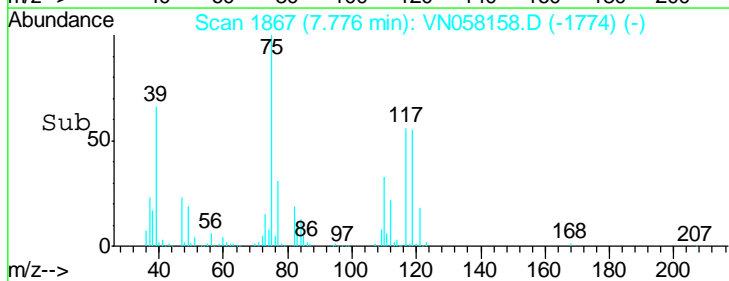
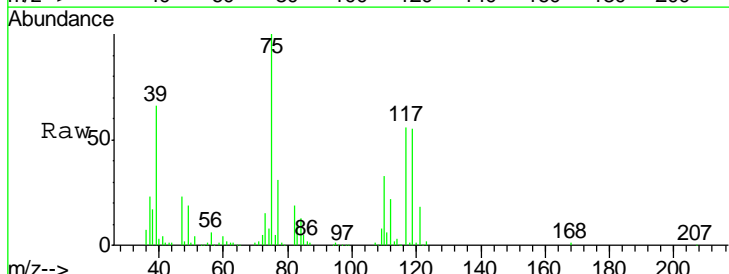
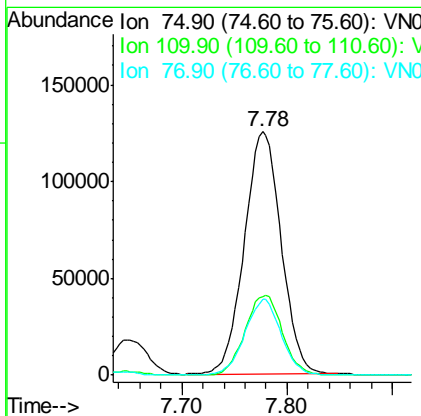
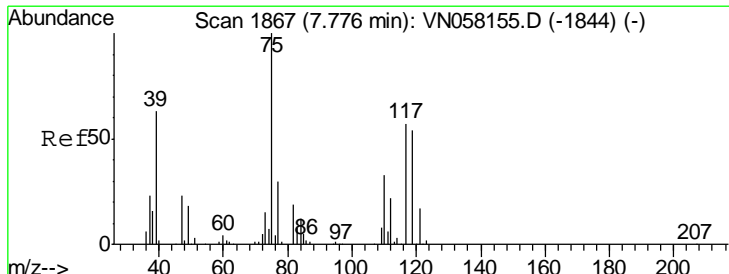
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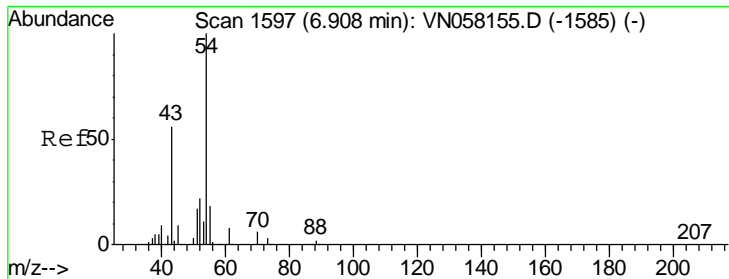
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#36
 1,1-Dichloropropene
 Concen: 45.346 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
75	306120		
75	100		
110	33.2	16.6	49.7
77	30.9	24.3	36.5





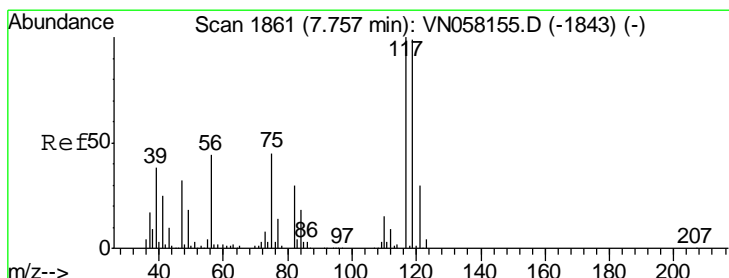
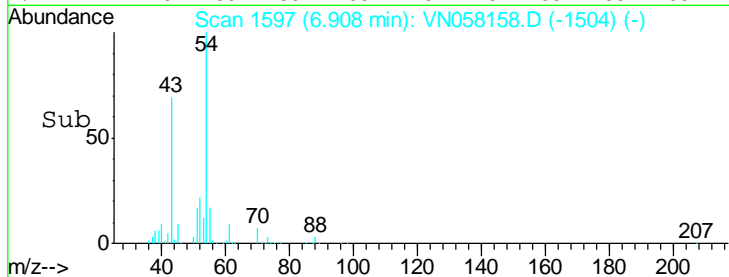
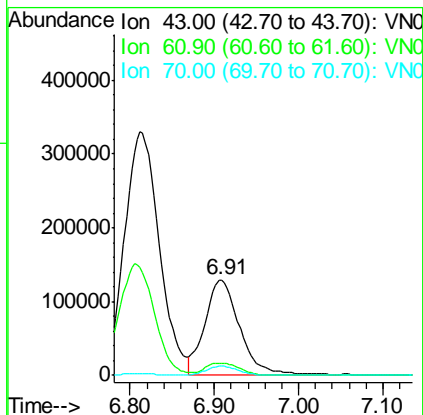
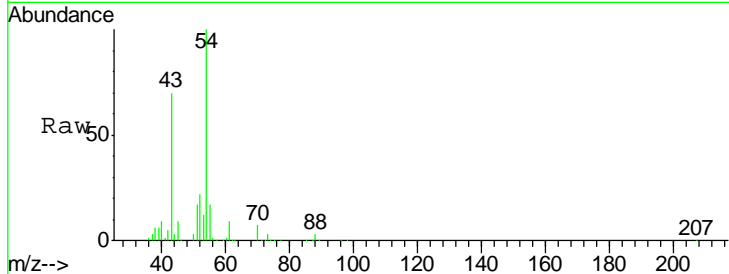
#37
 Ethyl Acetate
 Concen: 52.103 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
43	100		
61	12.8	10.7	16.1
70	9.3	7.6	11.4

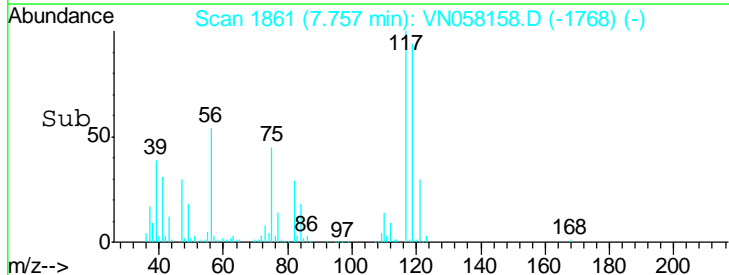
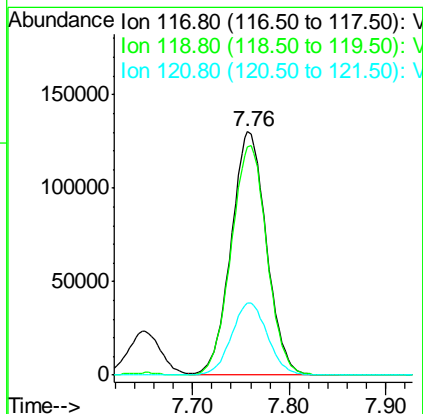
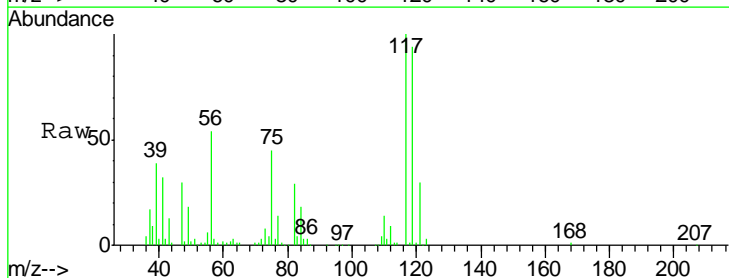
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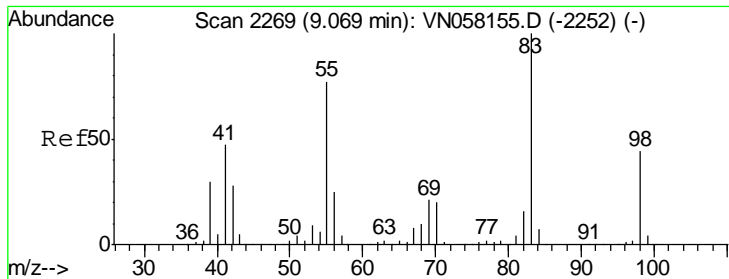
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#38
 Carbon Tetrachloride
 Concen: 48.722 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
117	100		
119	93.4	78.6	117.8
121	29.8	24.1	36.1





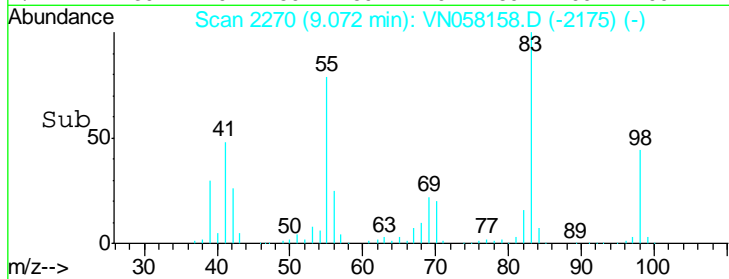
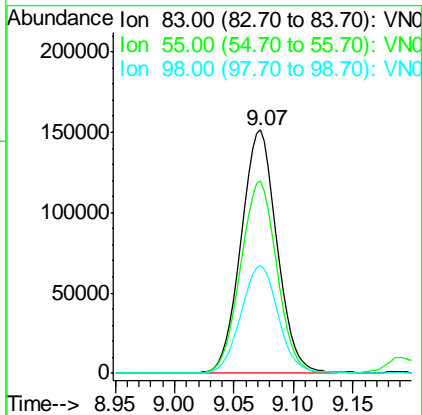
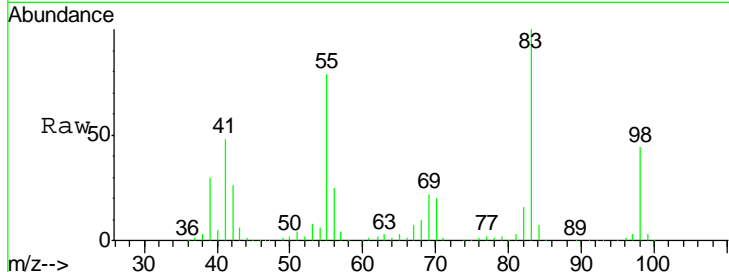
#39
 Methylcyclohexane
 Concen: 48.569 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion: 83 Resp: 317008

Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.9	92.9
98	44.1	35.4	53.2

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

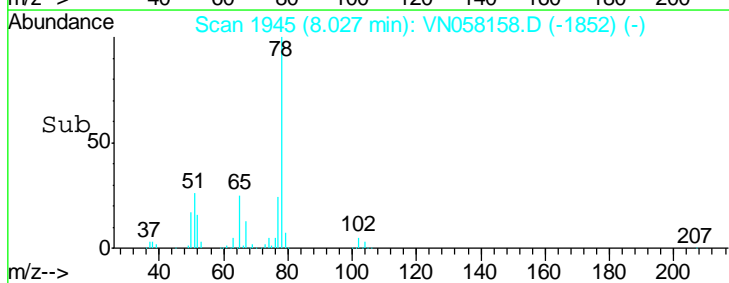
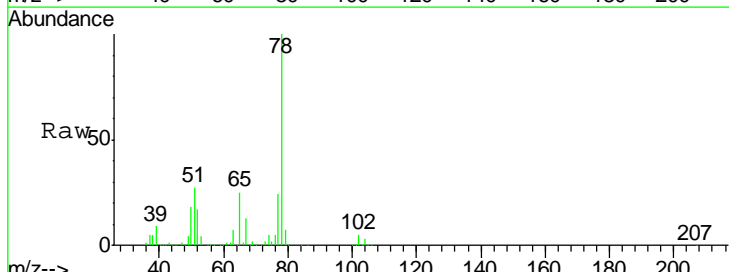
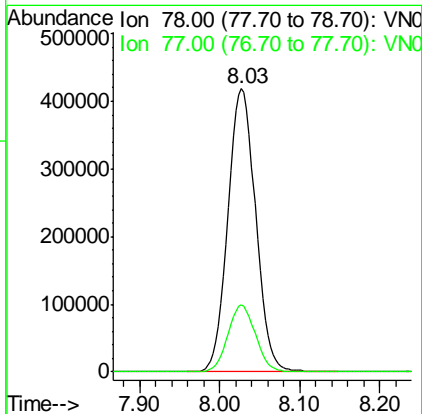
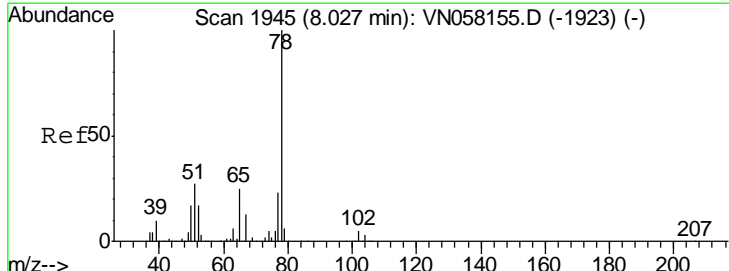
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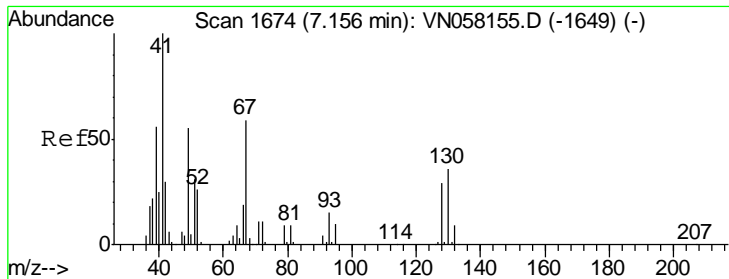


#40
 Benzene
 Concen: 48.061 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion: 78 Resp: 990992

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





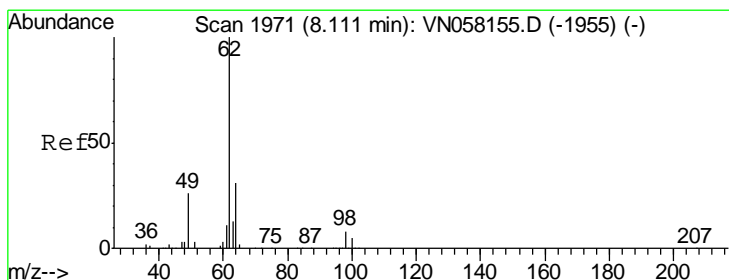
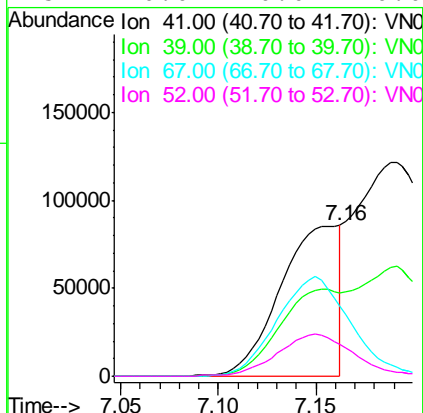
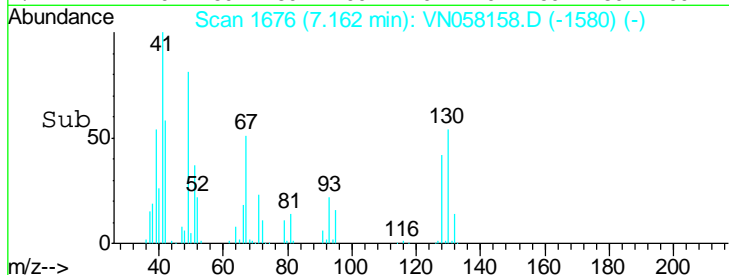
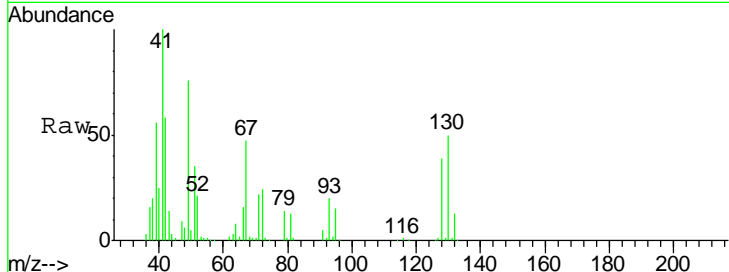
#41
 Methacrylonitrile
 Concen: 51.719 ug/l m
 RT: 7.16 min Scan# 1676
 Delta R.T. 0.01 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

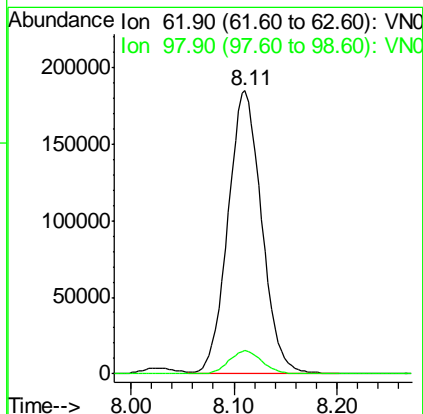
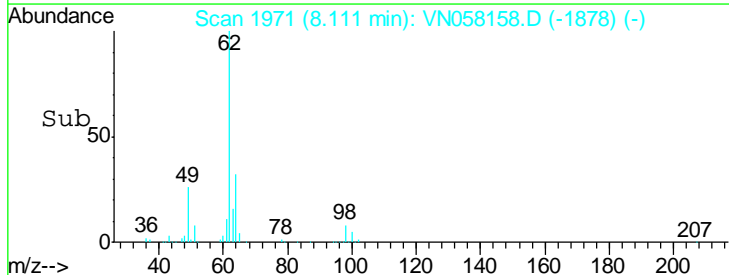
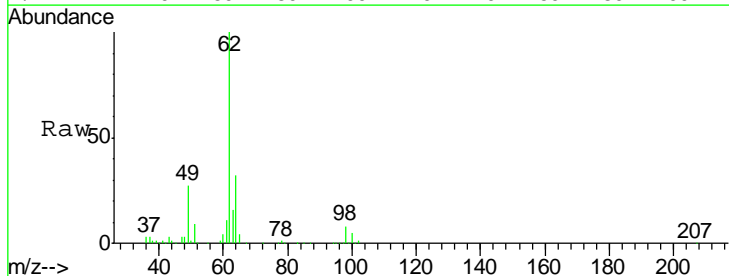
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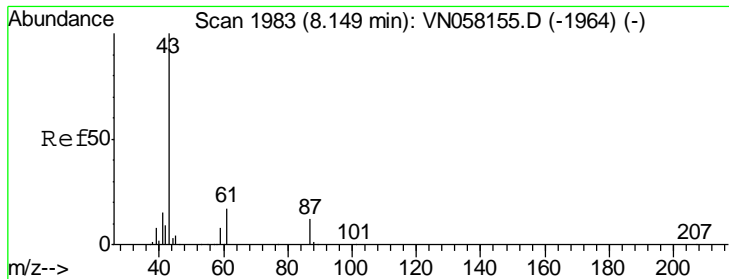
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#42
 1,2-Dichloroethane
 Concen: 48.353 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.0	0.0	15.6





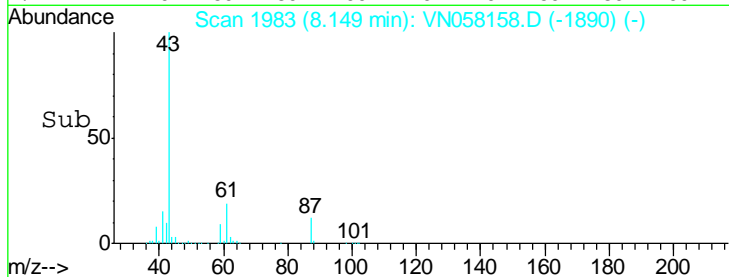
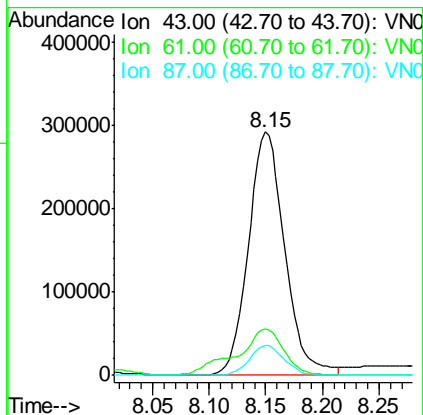
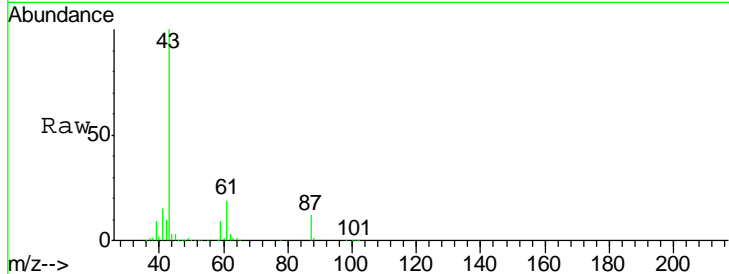
#43
 Isopropyl Acetate
 Concen: 49.590 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
43	100		
61	25.0	19.7	29.5
87	12.0	9.4	14.2

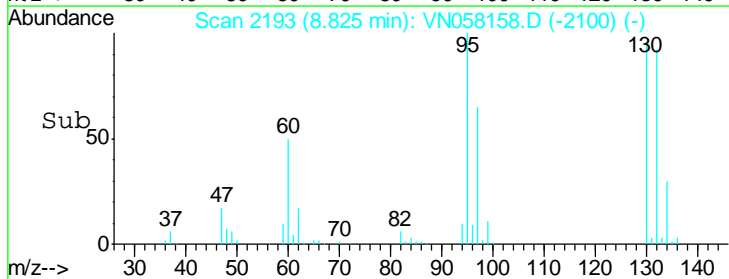
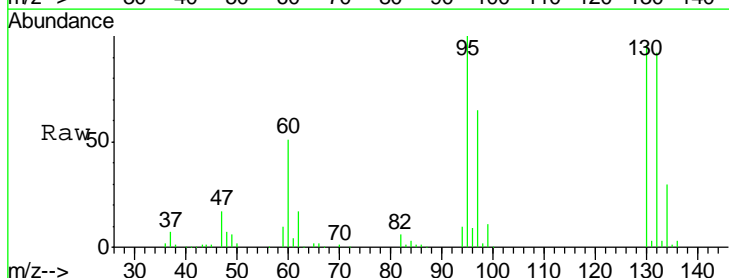
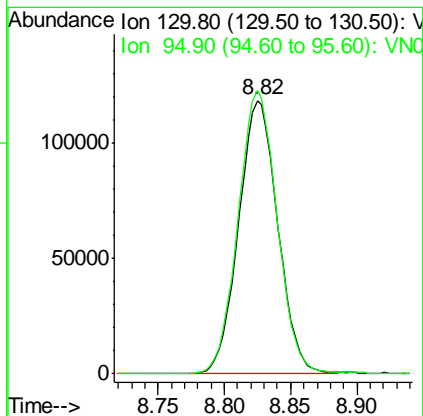
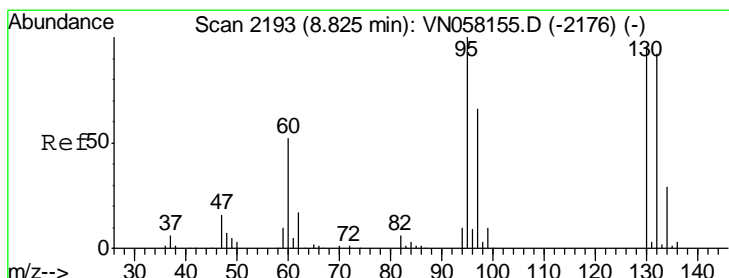
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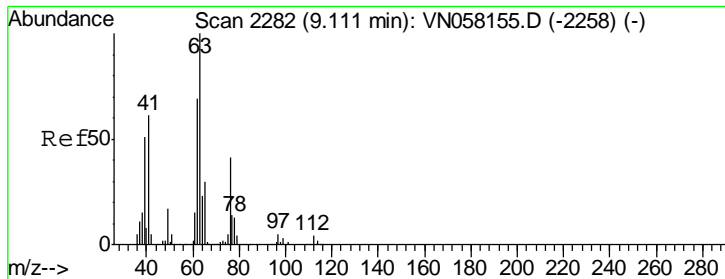
MMDadoda
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#44
 Trichloroethene
 Concen: 48.068 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
130	100		
95	103.5	0.0	207.8





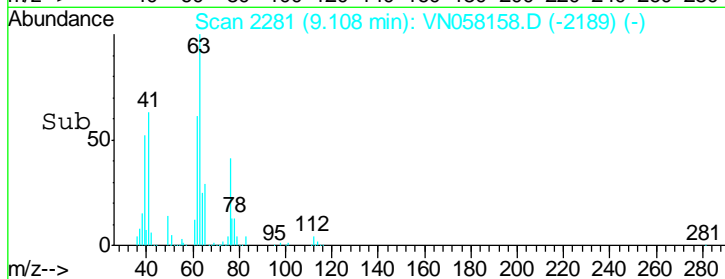
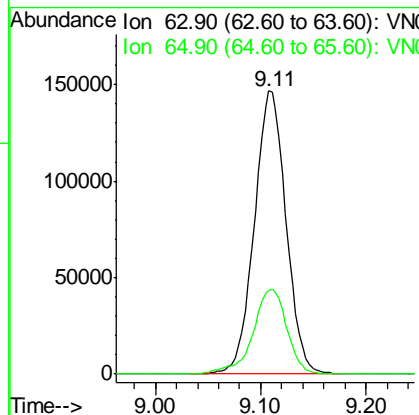
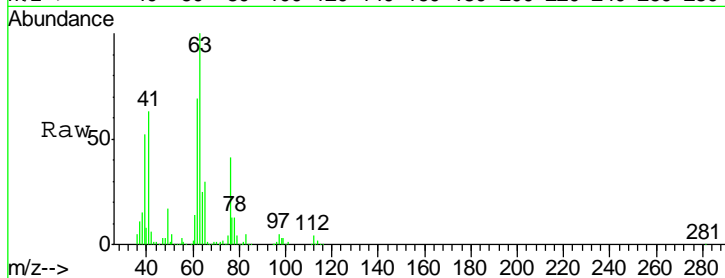
#45
 1,2-Dichloropropane
 Concen: 50.088 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
63	100		
65	29.8	23.8	35.6

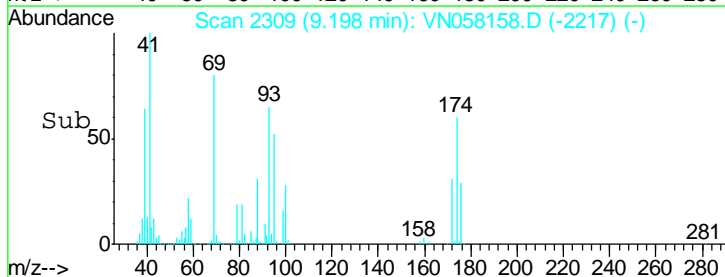
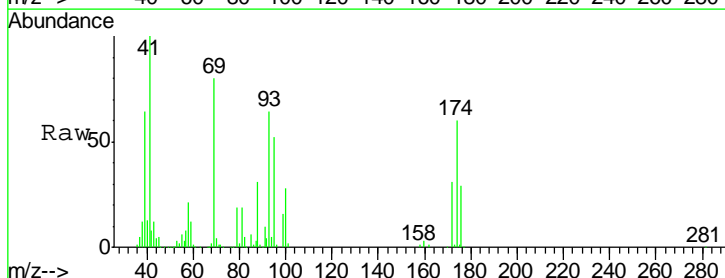
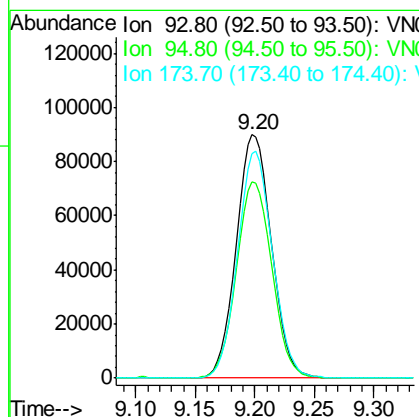
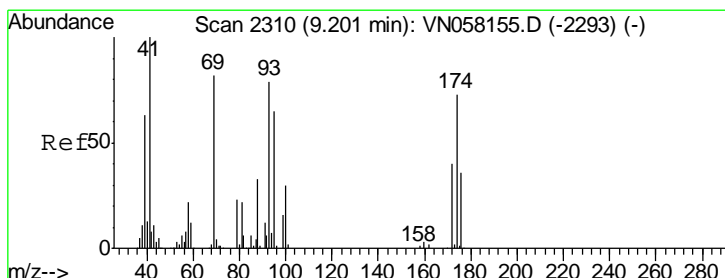
Manual Integrations
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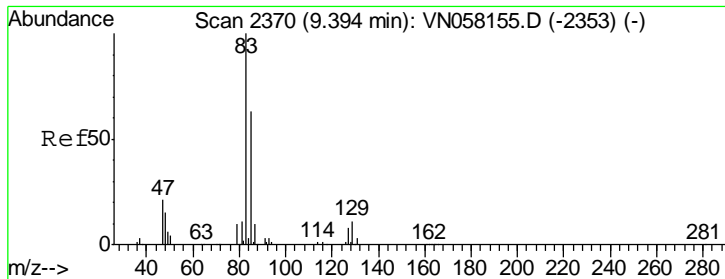
MMDadoda
 9/20/2019 1:43:24 PM



#46
 Dibromomethane
 Concen: 49.243 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
93	100		
95	81.7	66.8	100.2
174	92.6	73.8	110.8





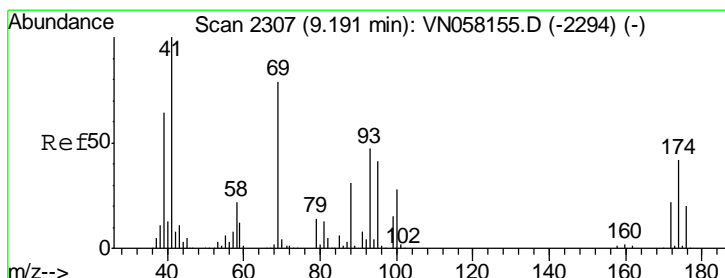
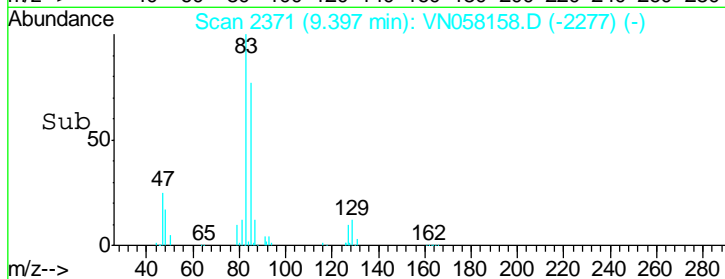
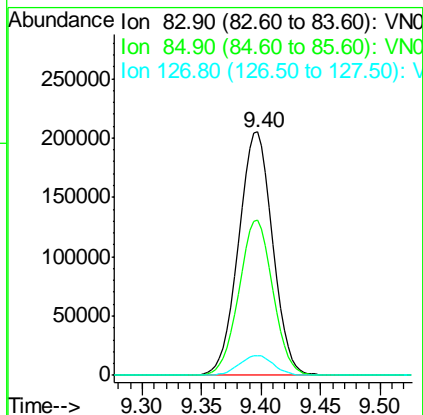
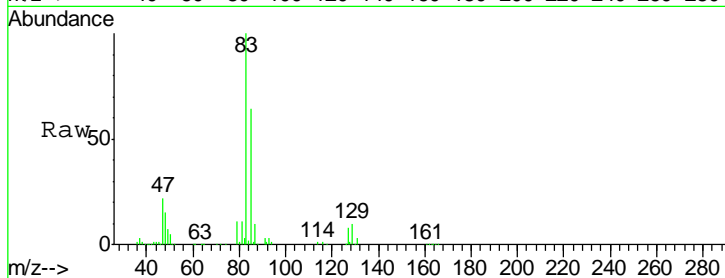
#47
 Bromodichloromethane
 Concen: 51.831 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.8	50.1	75.1
127	8.3	6.4	9.6

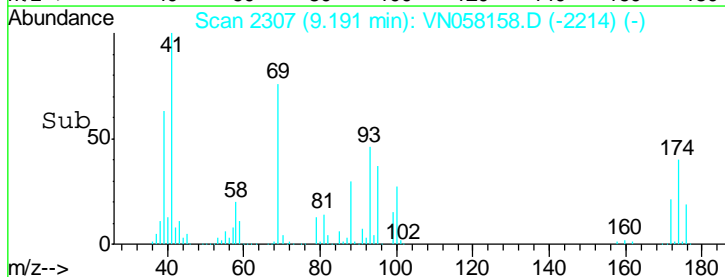
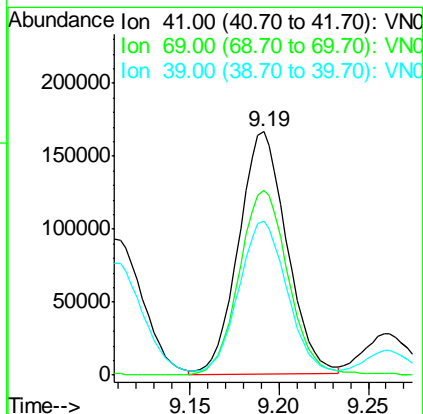
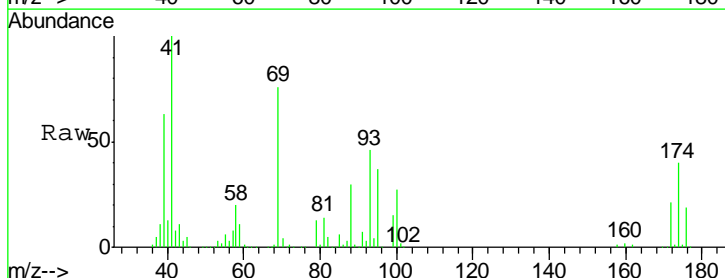
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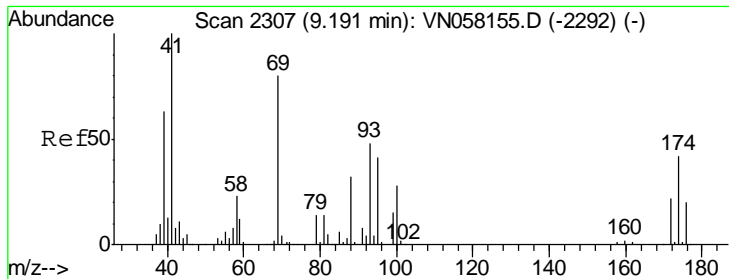
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#48
 Methyl methacrylate
 Concen: 52.765 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

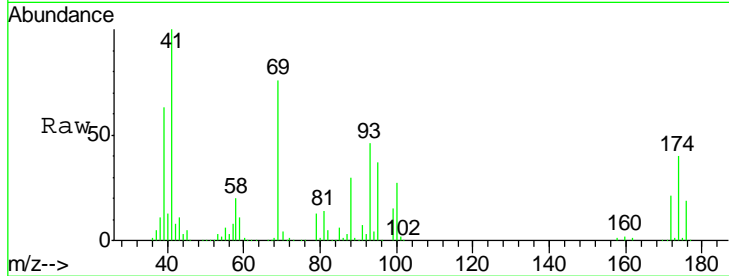
Tgt Ion	Resp	Lower	Upper
41	100		
69	77.3	62.5	93.7
39	64.0	52.3	78.5





#49
 1,4-Dioxane
 Concen: 1029.890 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

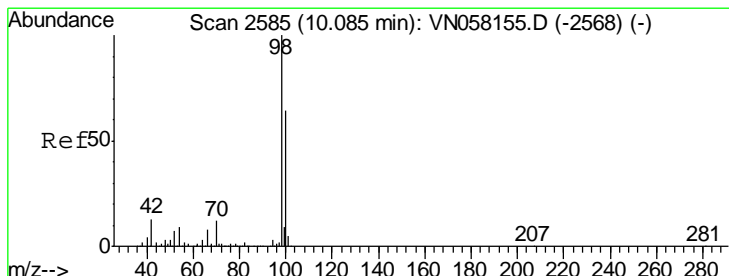
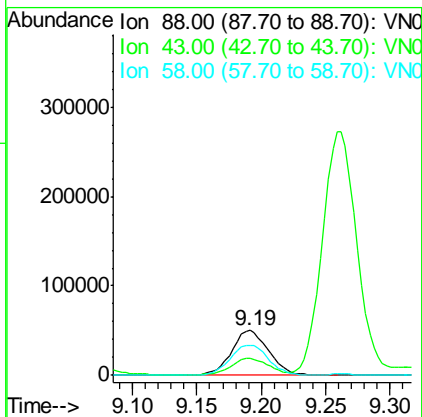
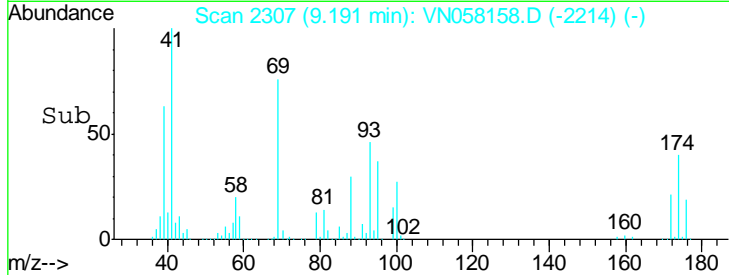
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819



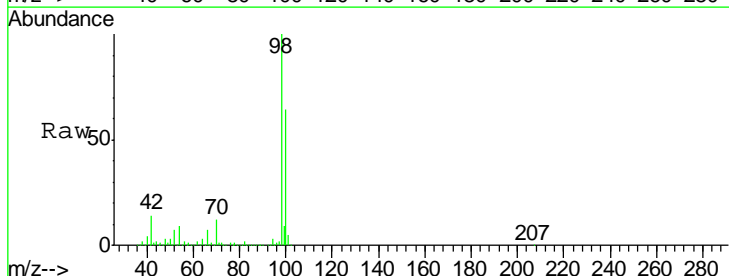
Tgt Ion: 88 Resp: 100452

Ion	Ratio	Lower	Upper
88	100		
43	35.9	27.8	41.8
58	69.4	55.0	82.4

Manual Integrations
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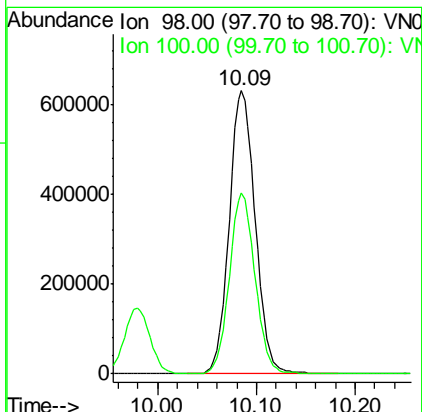
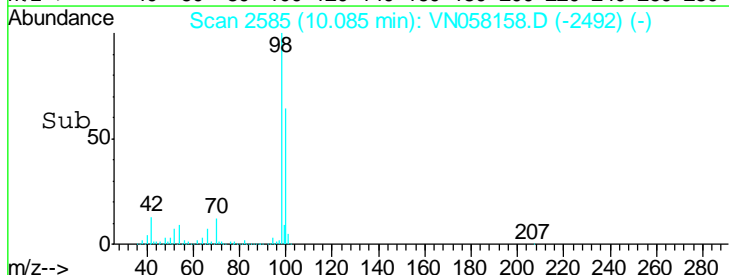


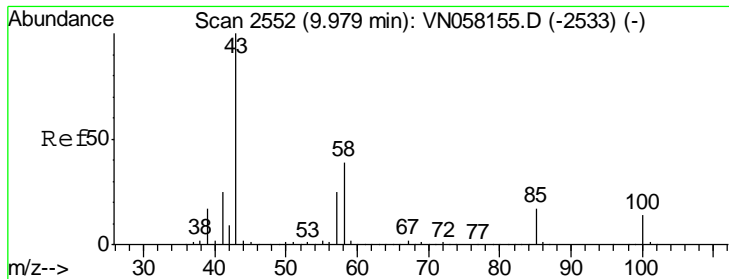
#50
 Toluene-d8
 Concen: 52.290 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10



Tgt Ion: 98 Resp: 1159419

Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





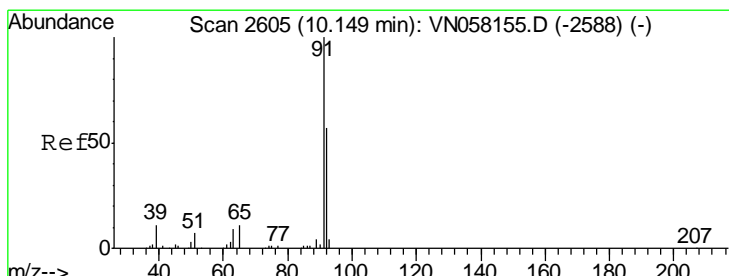
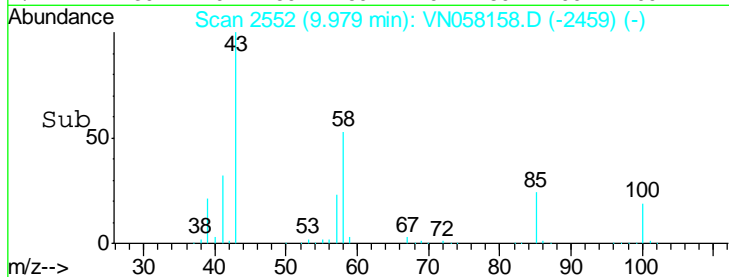
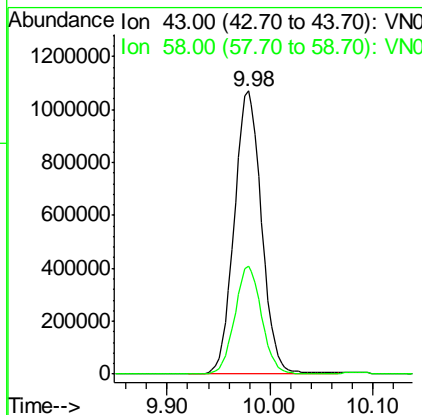
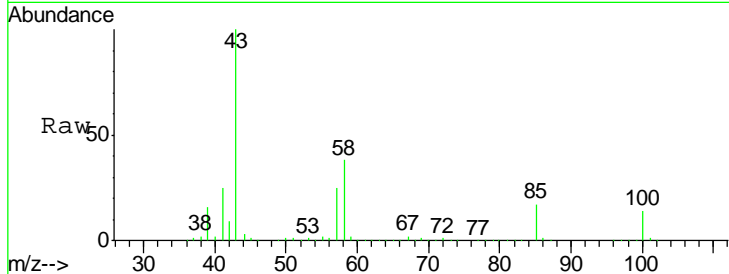
#51
 4-Methyl-2-Pentanone
 Concen: 284.098 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
43	100		
58	37.6	30.2	45.4

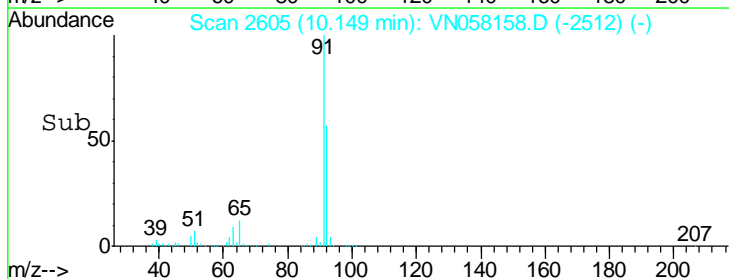
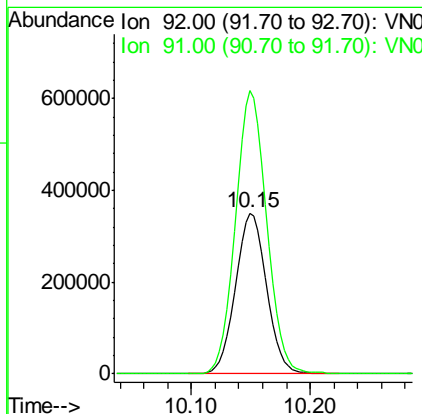
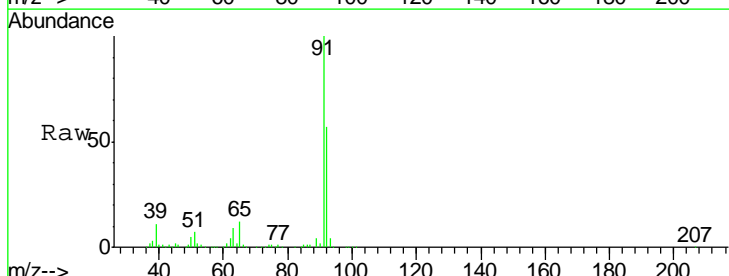
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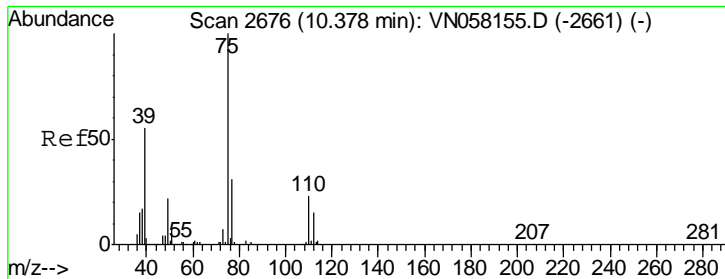
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#52
 Toluene
 Concen: 49.108 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
92	100		
91	176.4	140.2	210.2





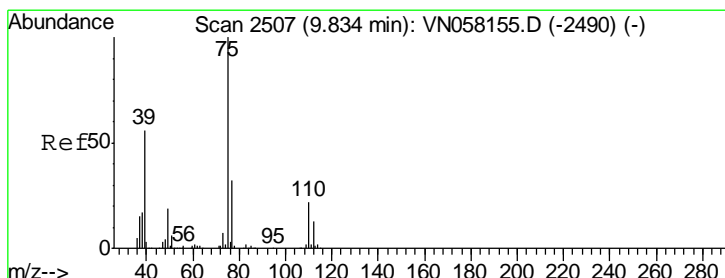
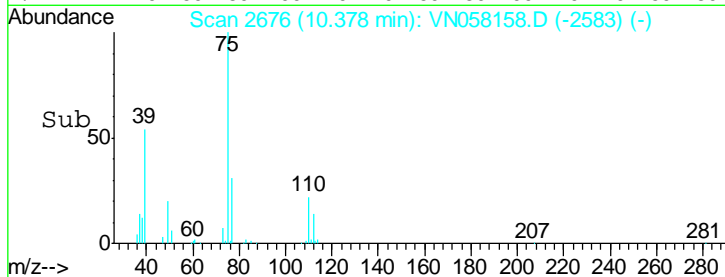
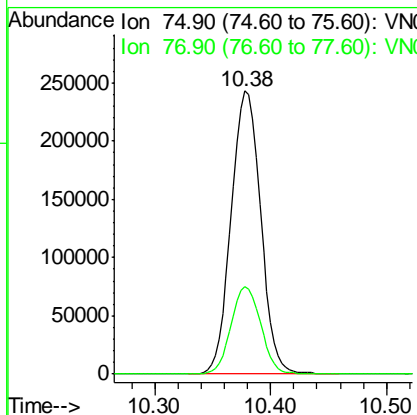
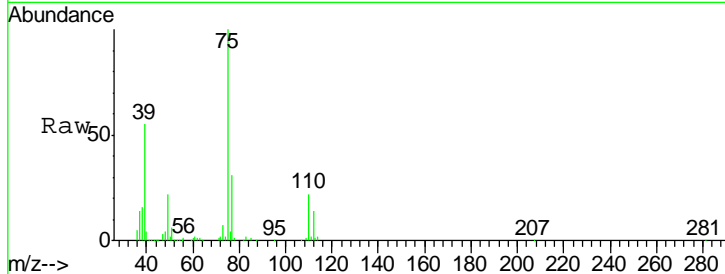
#53
 t-1,3-Dichloropropene
 Concen: 53.534 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
75	430103		
75	100		
77	30.9	24.9	37.3

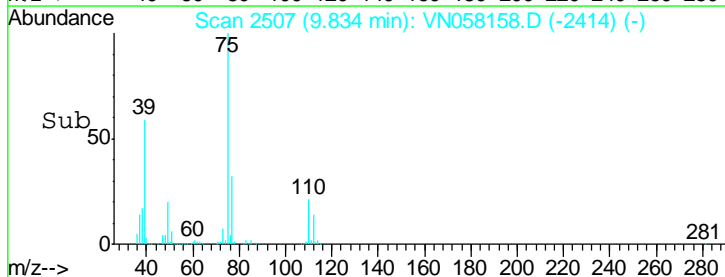
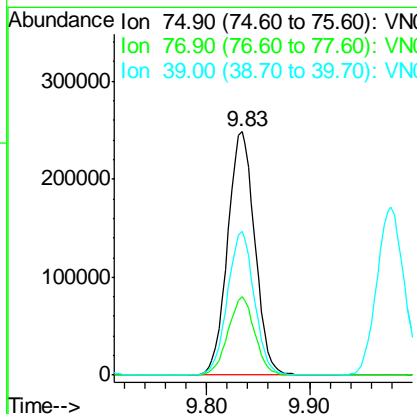
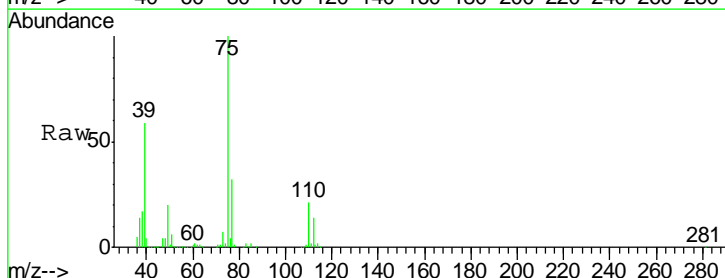
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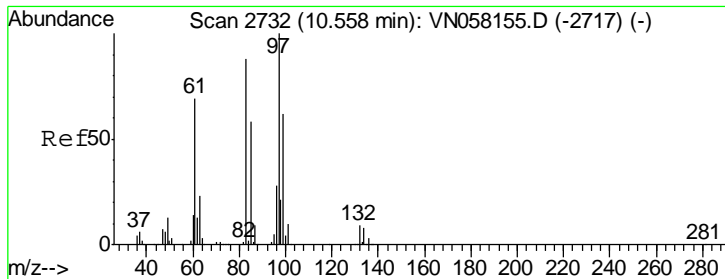
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#54
 cis-1,3-Dichloropropene
 Concen: 51.612 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

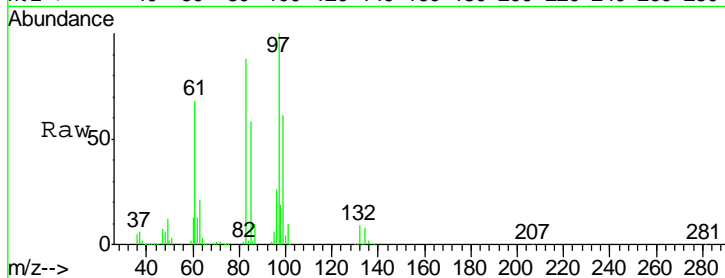
Tgt Ion	Resp	Lower	Upper
75	457809		
75	100		
77	32.0	25.4	38.0
39	59.1	45.0	67.6





#55
 1,1,2-Trichloroethane
 Concen: 51.287 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

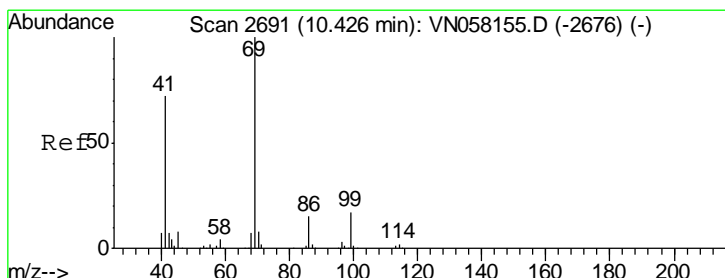
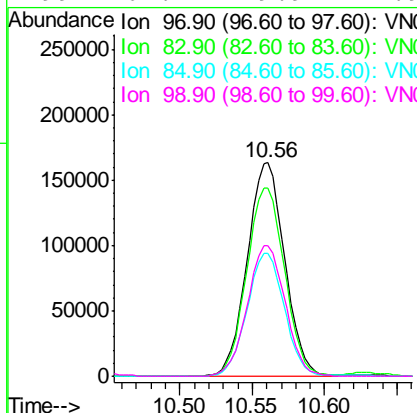
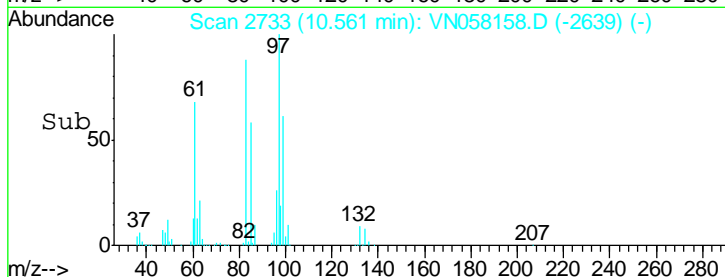
Instrument : MSVOA_N
 Client Sampled : ICVVN091819



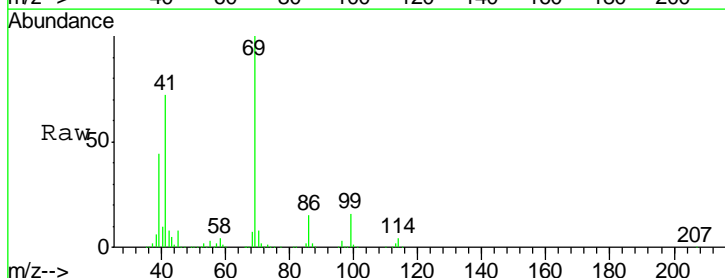
Tgt Ion: 97 Resp: 294112

Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.4	105.6
85	57.5	46.8	70.2
99	61.2	49.9	74.9

Manual Integrations
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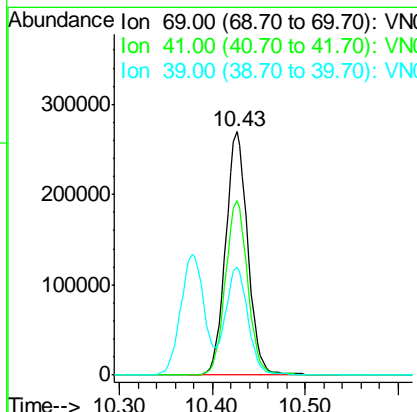
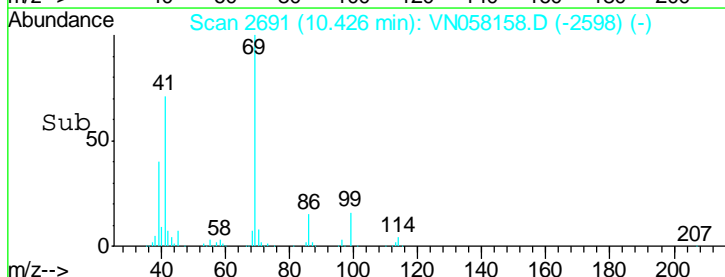


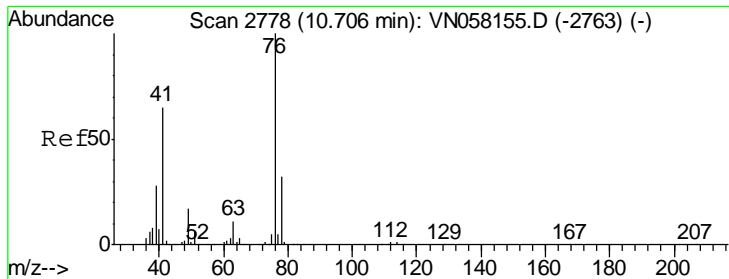
#56
 Ethyl methacrylate
 Concen: 53.807 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10



Tgt Ion: 69 Resp: 445205

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.5	86.3
39	44.7	36.1	54.1





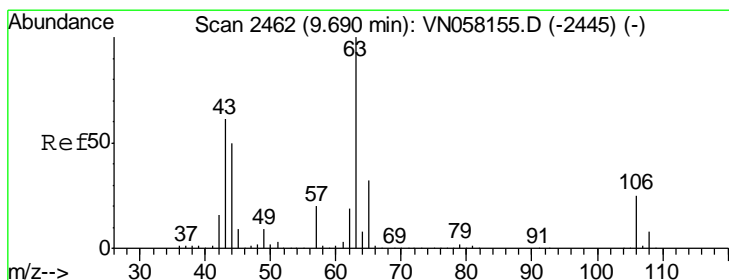
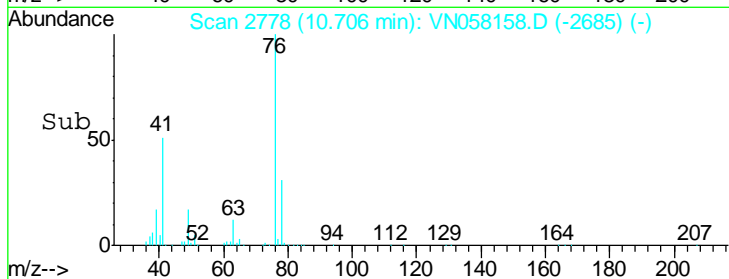
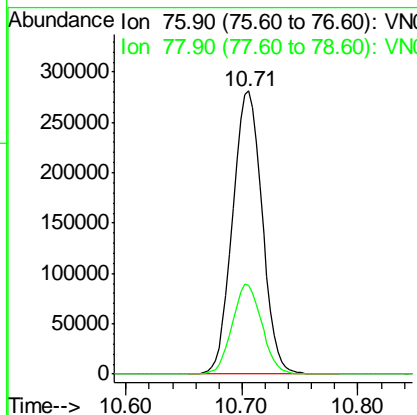
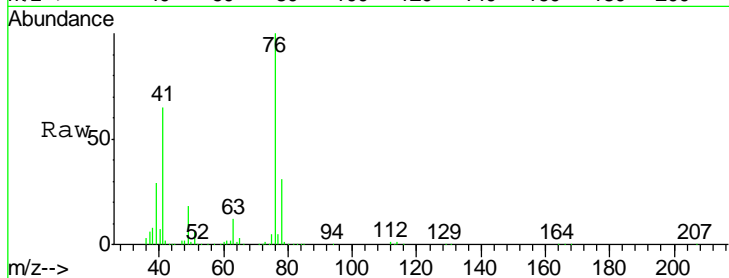
#57
 1,3-Dichloropropane
 Concen: 50.090 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
76	493814		
76	100		
78	31.9	25.4	38.0

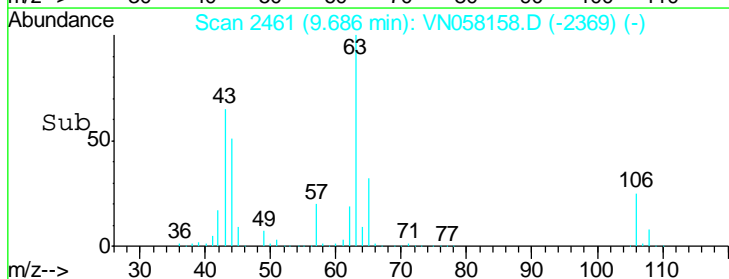
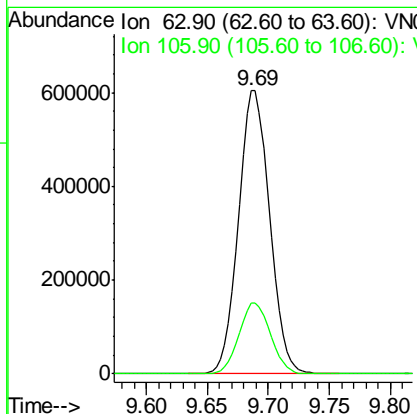
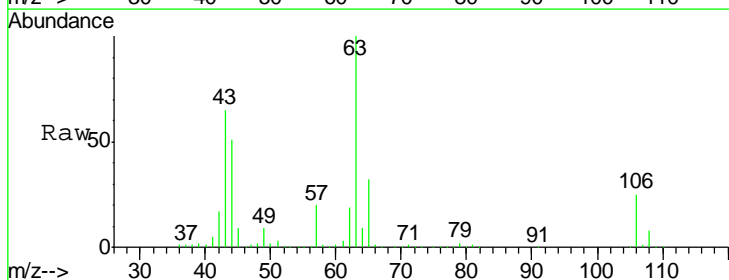
Manual Integrations
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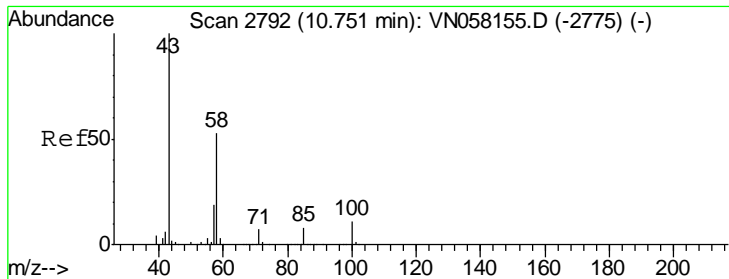
MMDadoda
 9/20/2019 1:43:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.228 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
63	1065014		
63	100		
106	25.3	19.9	29.9





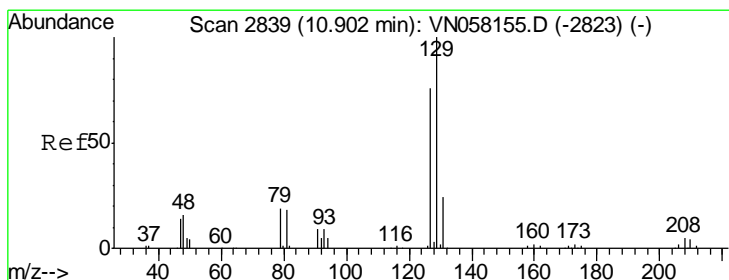
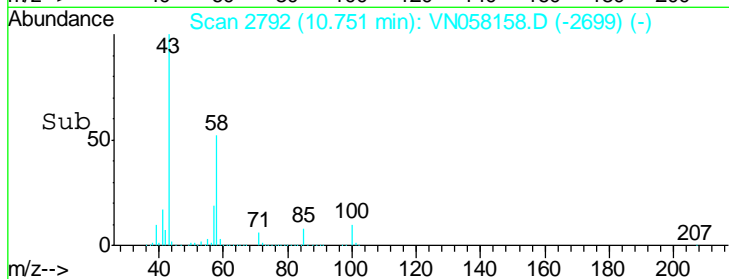
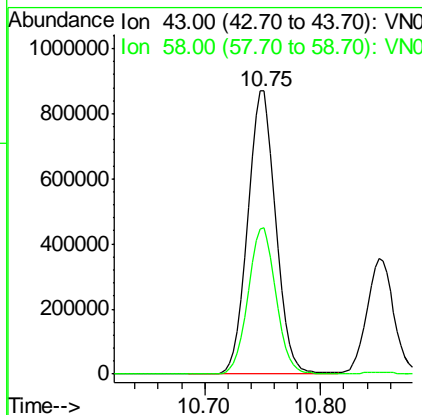
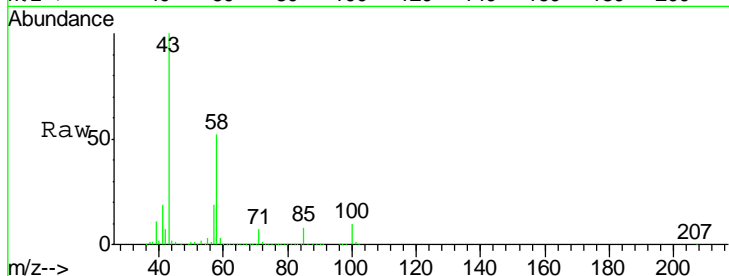
#59
 2-Hexanone
 Concen: 285.124 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
43	100		
58	51.5	26.0	78.0

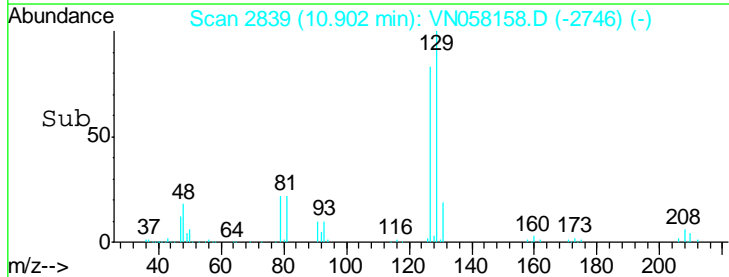
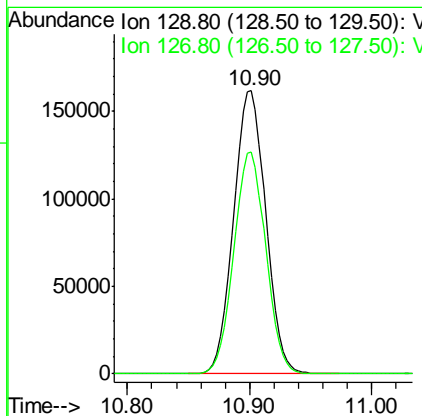
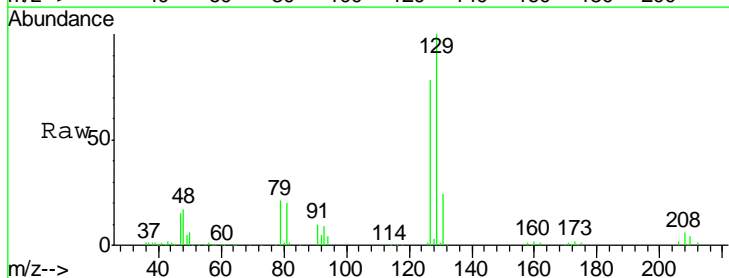
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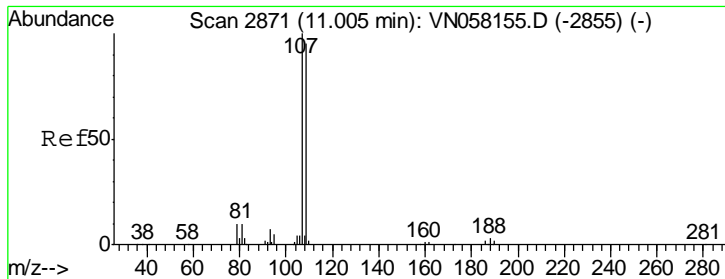
MMDadoda
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#60
 Dibromochloromethane
 Concen: 53.659 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.8	38.7	116.1





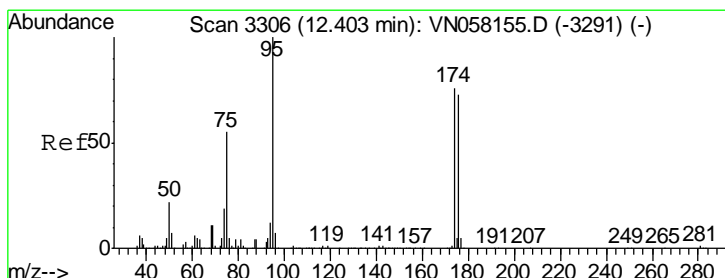
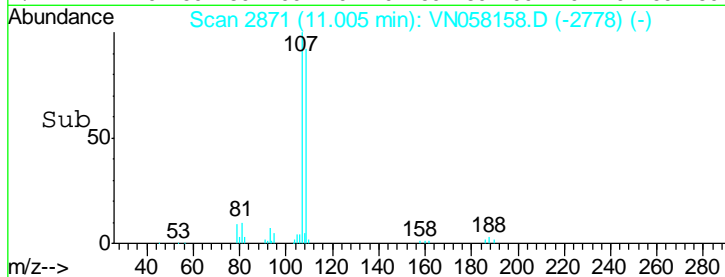
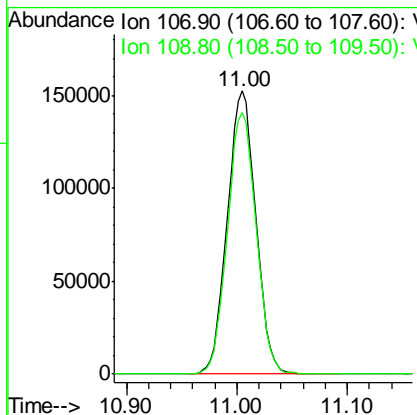
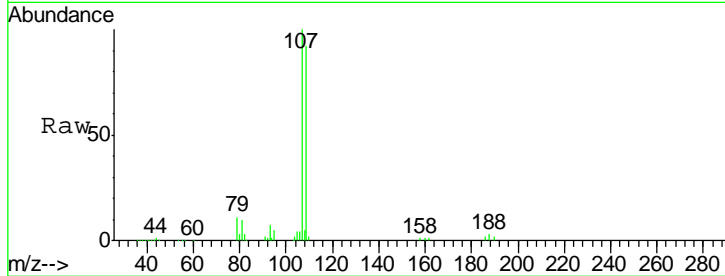
#61
 1,2-Dibromoethane
 Concen: 51.436 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
107	273357		
109	93.3	75.4	113.2

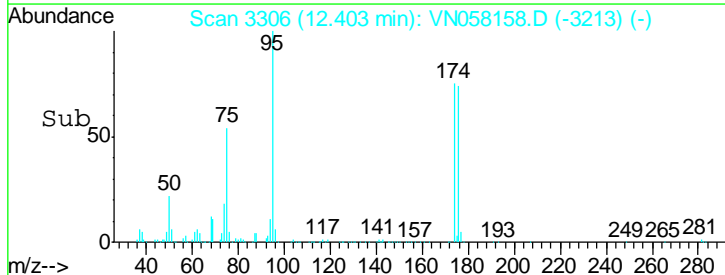
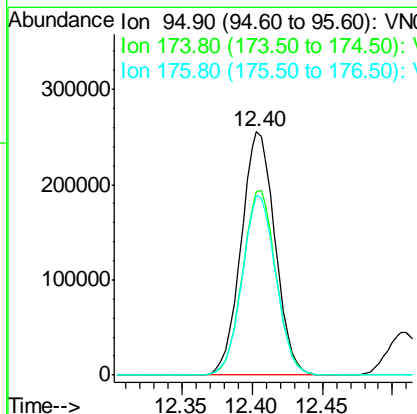
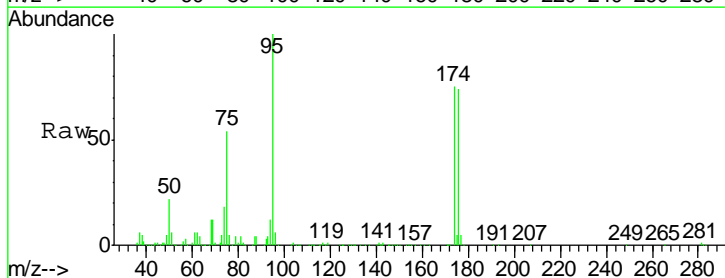
Manual Integrations
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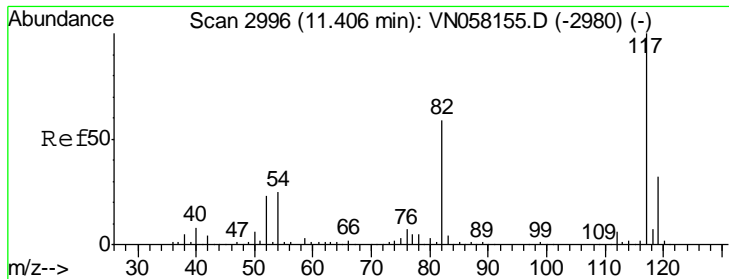
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#62
 4-Bromofluorobenzene
 Concen: 52.064 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
95	428813		
174	75.7	0.0	152.2
176	73.4	0.0	148.0





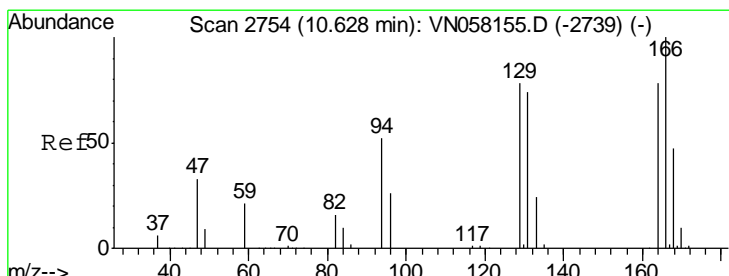
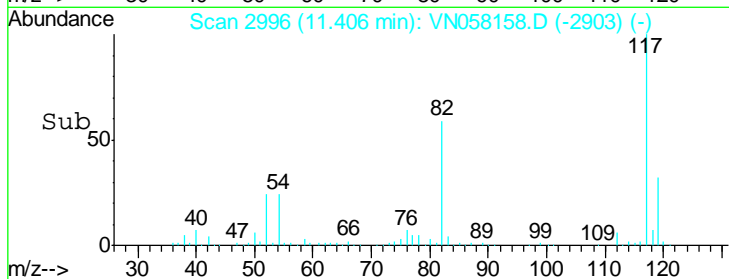
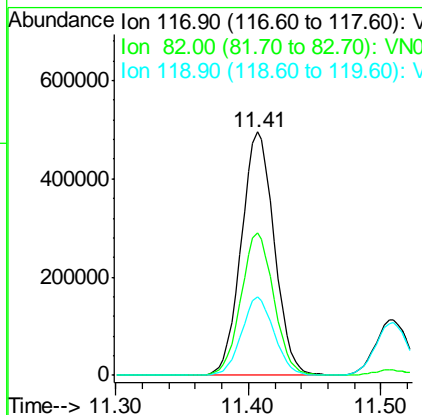
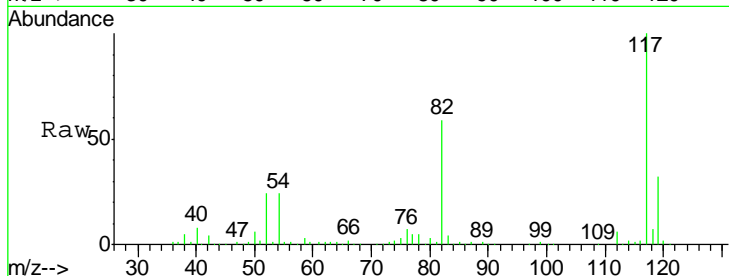
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
117	100		
82	58.6	46.9	70.3
119	32.0	25.3	37.9

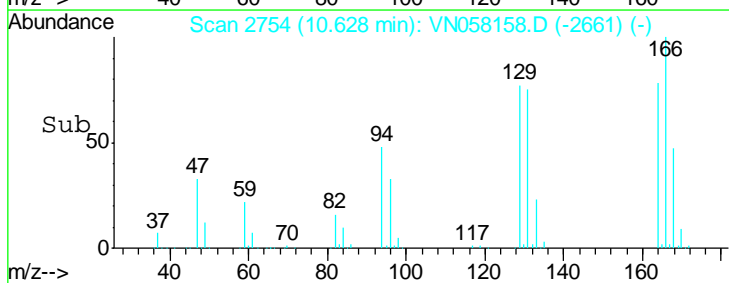
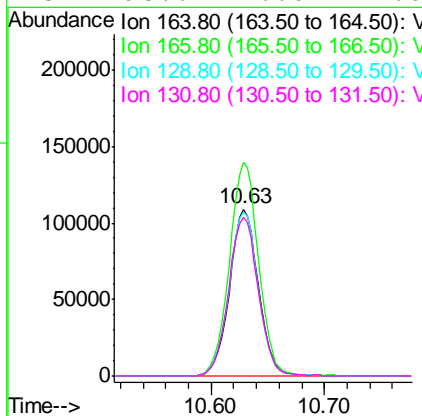
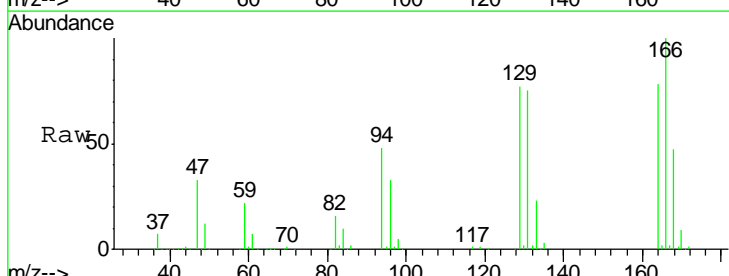
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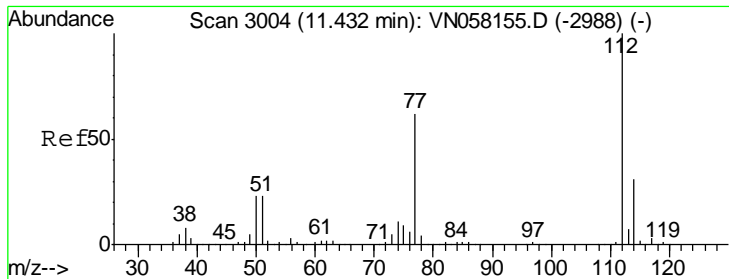
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#64
 Tetrachloroethene
 Concen: 46.287 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.3	102.2	153.4
129	98.7	79.6	119.4
131	95.6	76.0	114.0





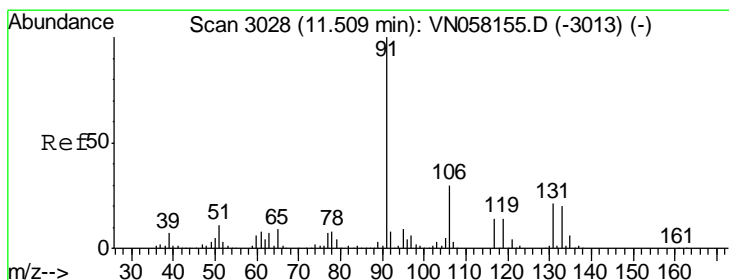
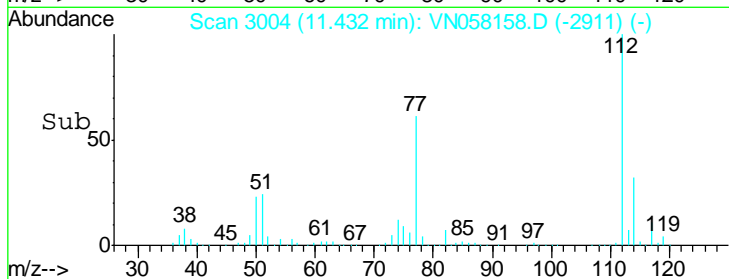
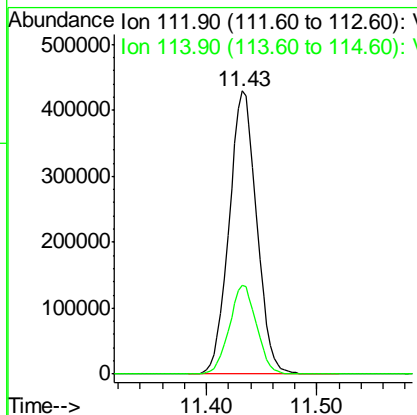
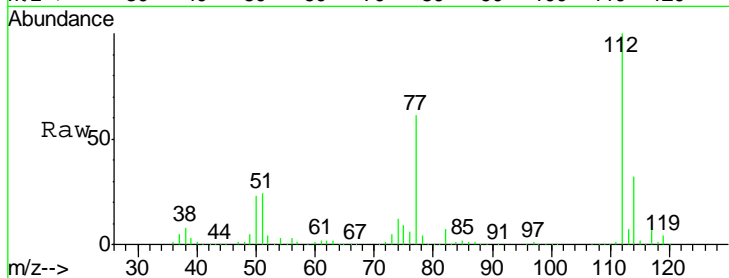
#65
 Chlorobenzene
 Concen: 49.532 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.5	25.1	37.7

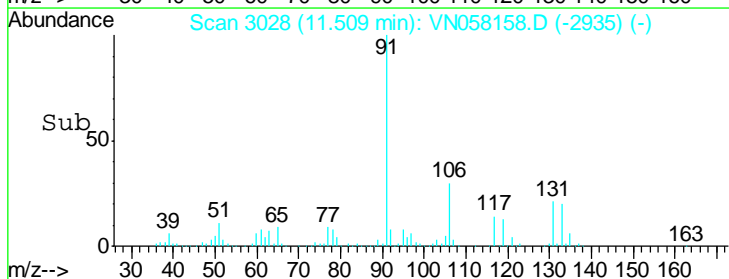
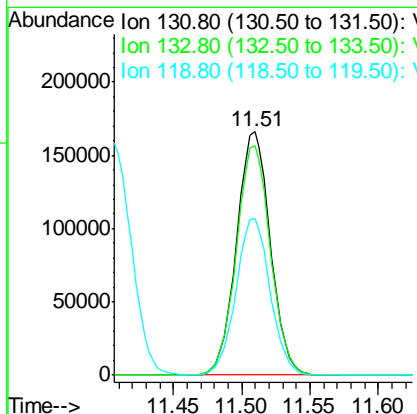
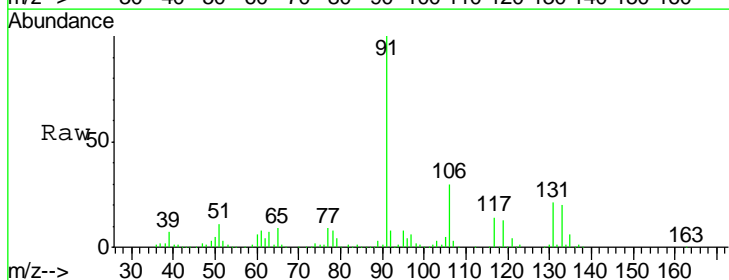
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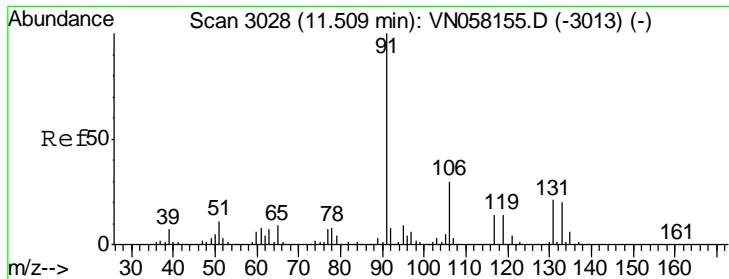
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.298 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.2	47.8	143.3
119	65.0	33.1	99.3





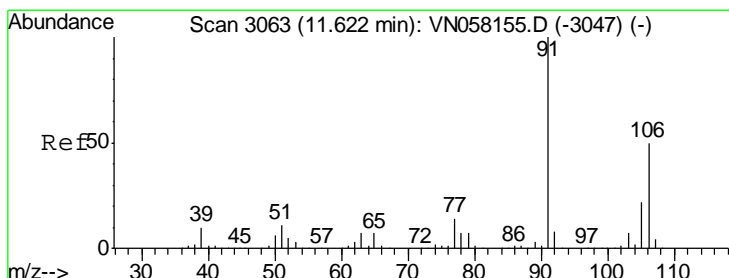
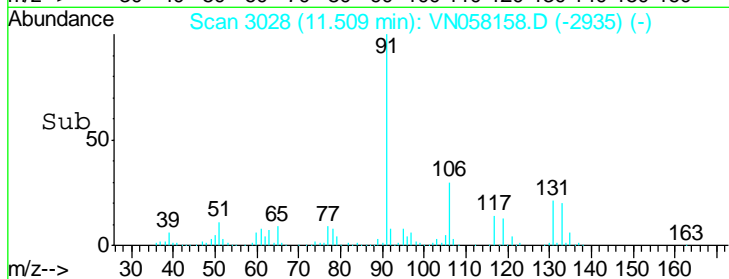
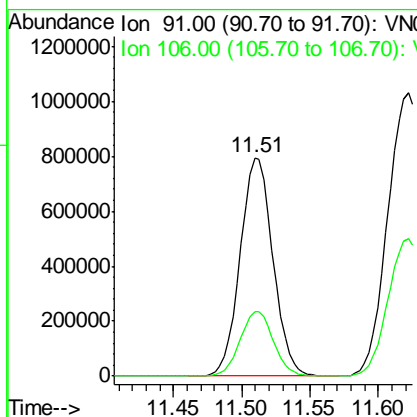
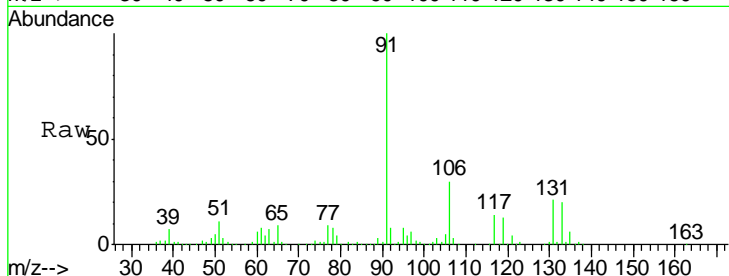
#67
 Ethyl Benzene
 Concen: 51.455 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN091819

Tgt Ion: 91 Resp: 1325333
 Ion Ratio Lower Upper
 91 100
 106 29.8 24.0 36.0

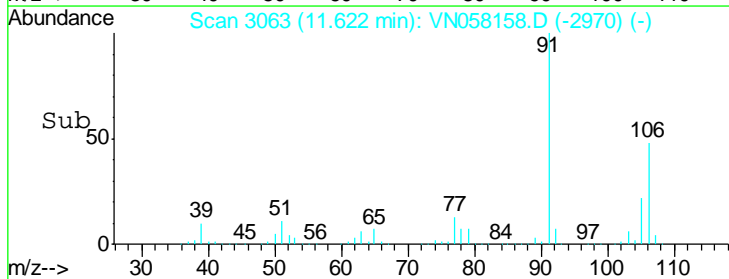
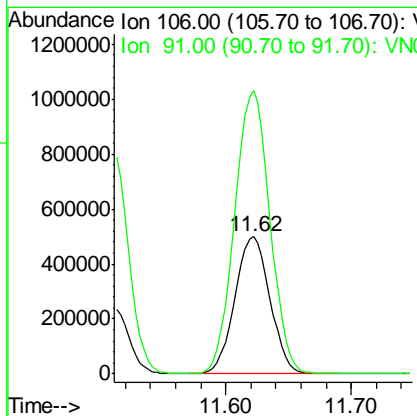
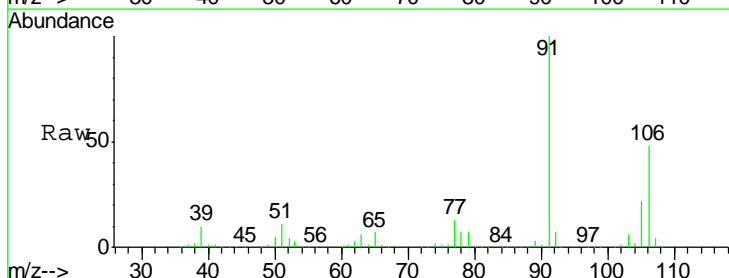
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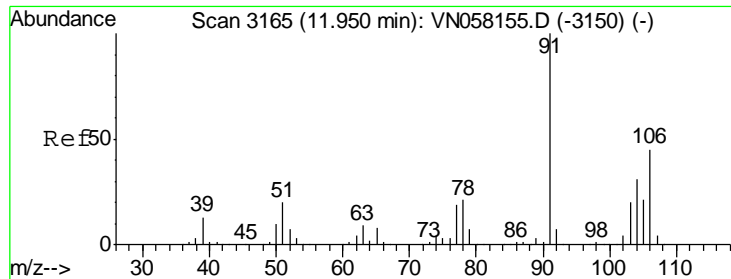
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#68
 m/p-Xylenes
 Concen: 99.749 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion: 106 Resp: 967662
 Ion Ratio Lower Upper
 106 100
 91 207.9 163.6 245.4





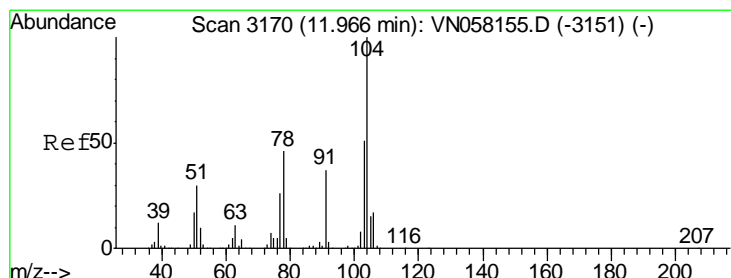
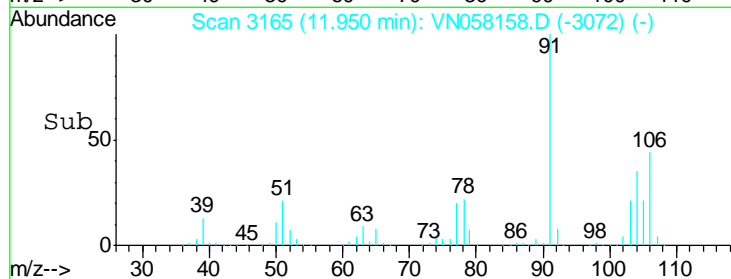
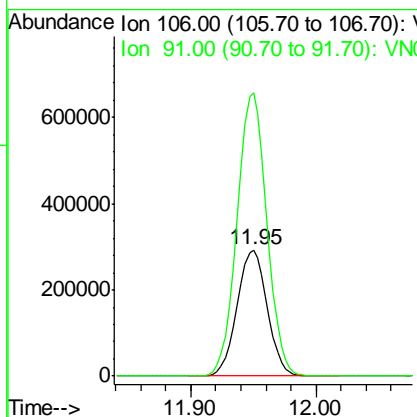
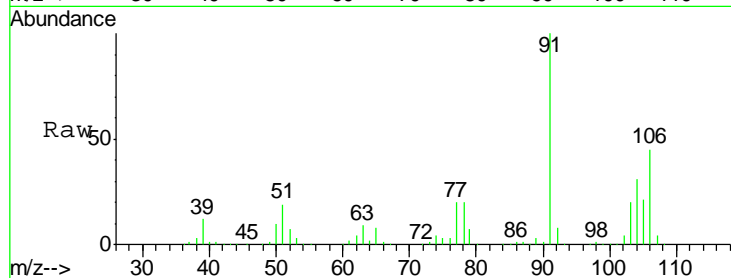
#69
 o-Xylene
 Concen: 51.220 ug/l
 RT: 11.95 min Scan# 3165
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
106	488582		
106	100		
91	221.9	111.8	335.3

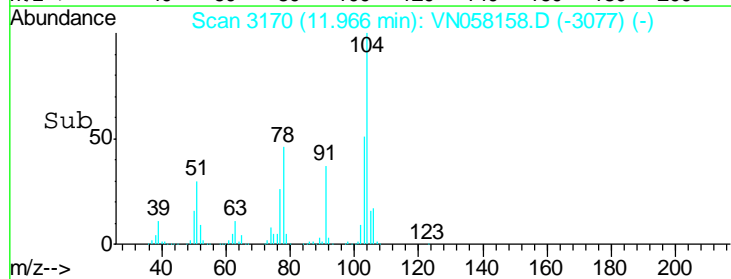
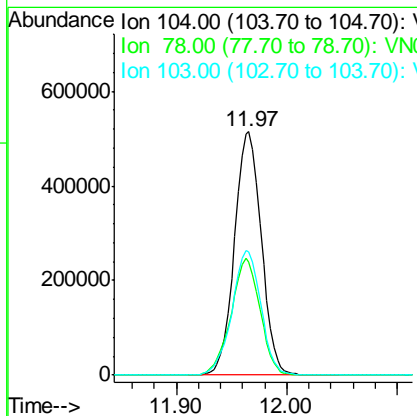
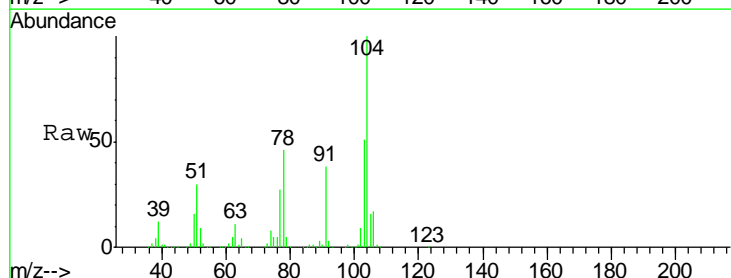
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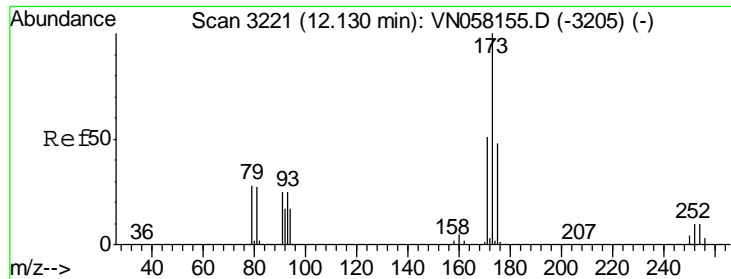
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#70
 Styrene
 Concen: 52.904 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
104	869500		
104	100		
78	52.0	41.8	62.8
103	54.9	44.2	66.2





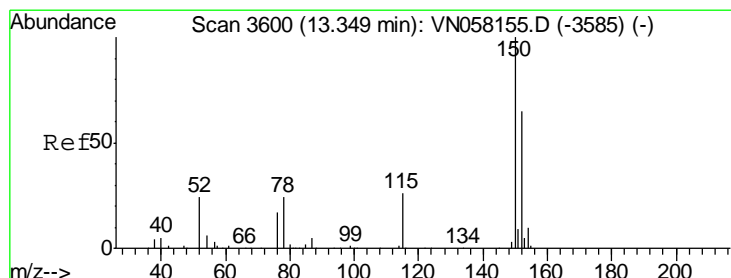
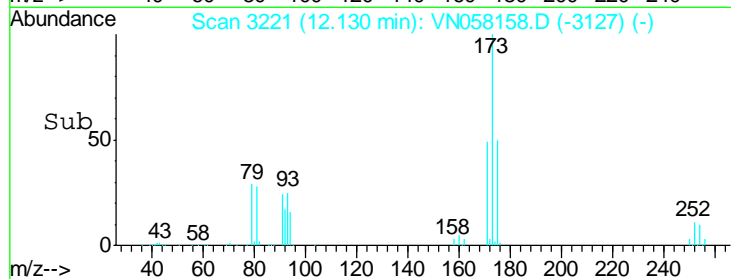
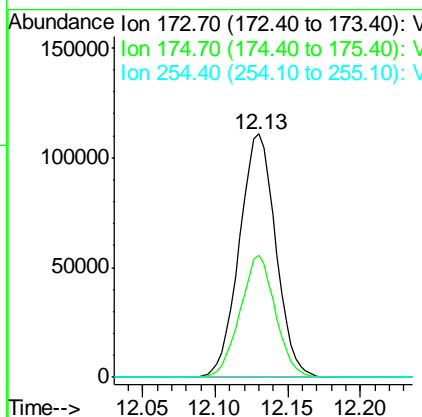
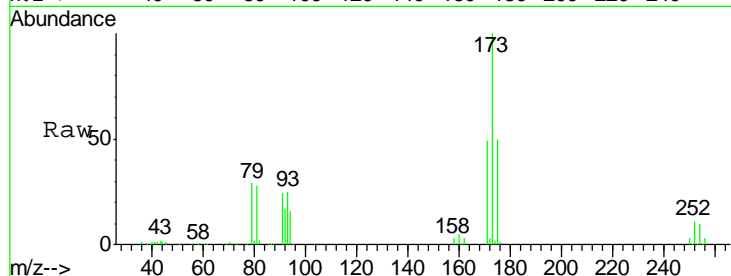
#71
 Bromoform
 Concen: 48.109 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
173	193823		
175	48.5	24.2	72.6
254	0.1	0.1	0.1

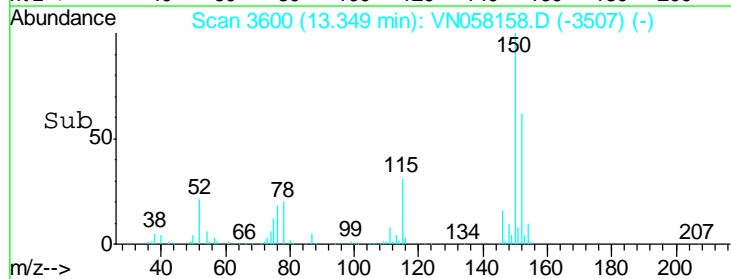
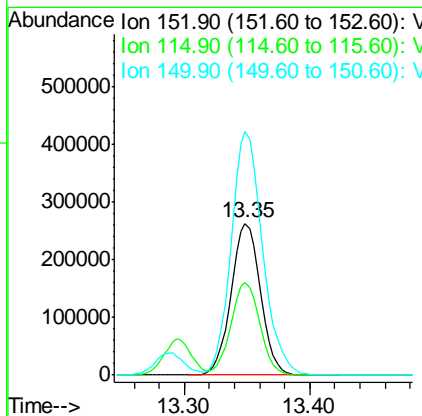
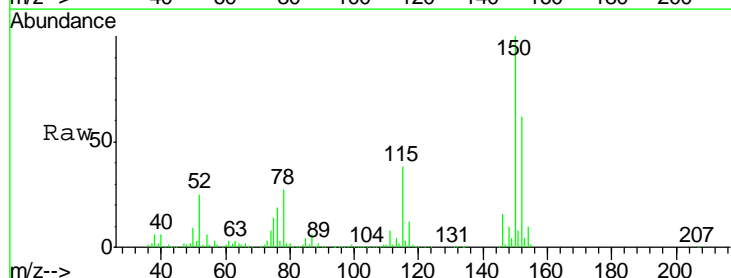
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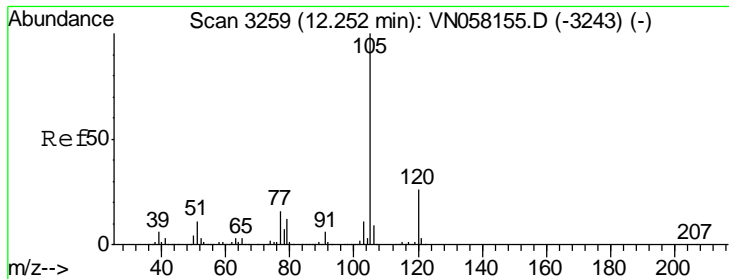
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

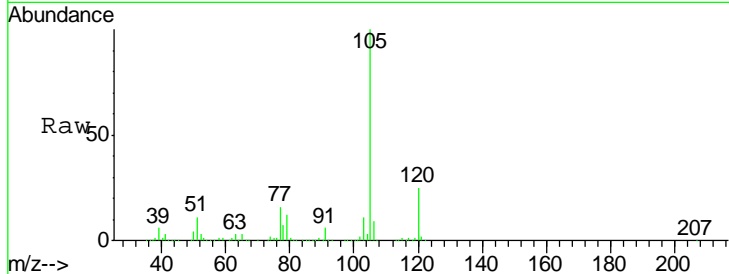
Tgt Ion	Resp	Lower	Upper
152	426244		
152	100		
115	59.9	30.1	90.3
150	171.4	0.0	346.4





#73
 Isopropylbenzene
 Concen: 51.811 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

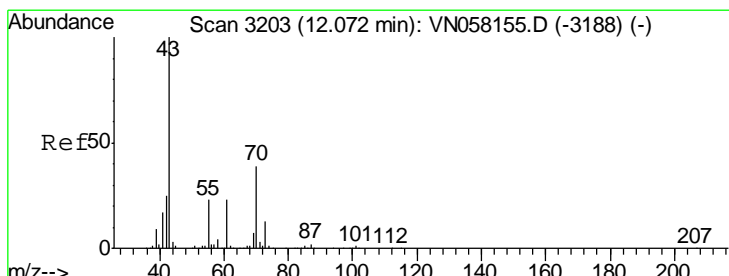
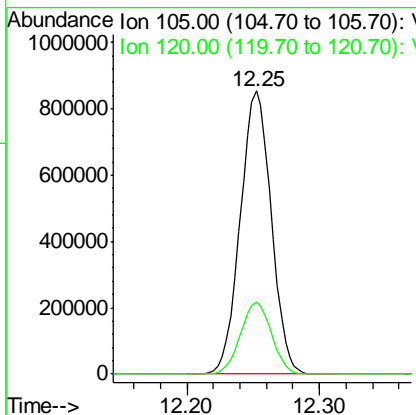
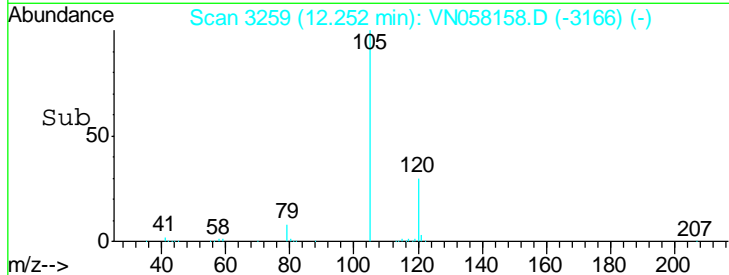
Instrument : MSVOA_N
 Client Sampled : ICVVN091819



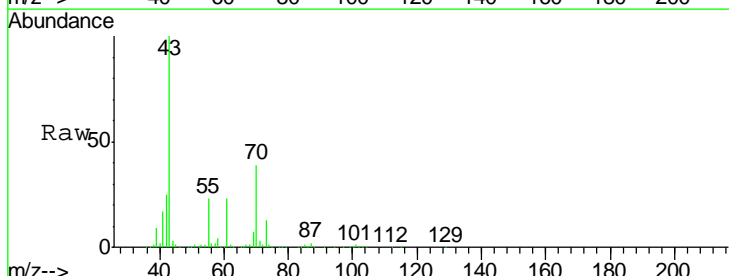
Tgt Ion: 105 Resp: 1382314

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3

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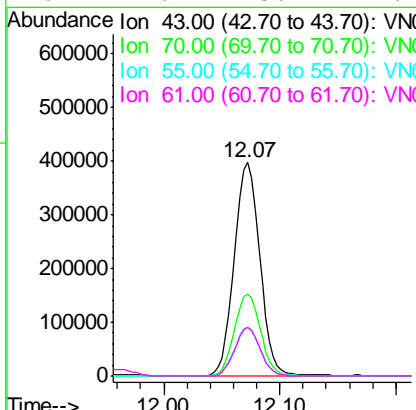
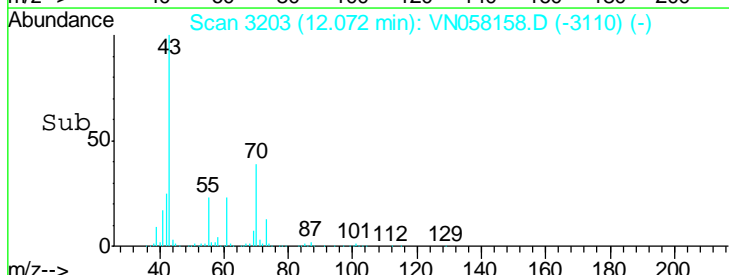


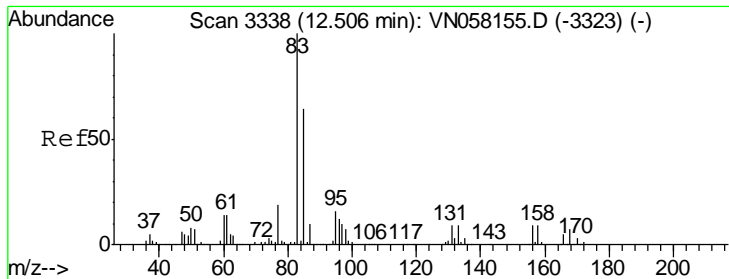
#74
 N-nyl acetate
 Concen: 54.204 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10



Tgt Ion: 43 Resp: 604993

Ion	Ratio	Lower	Upper
43	100		
70	39.3	31.0	46.6
55	23.2	18.5	27.7
61	22.7	18.2	27.2





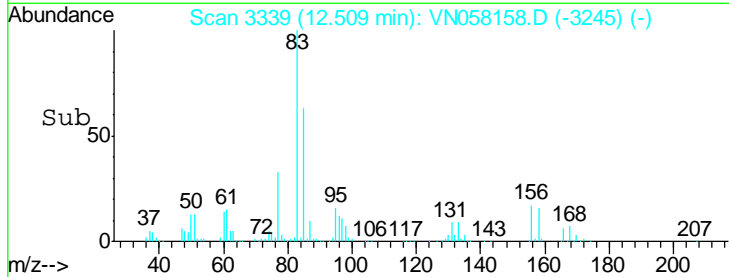
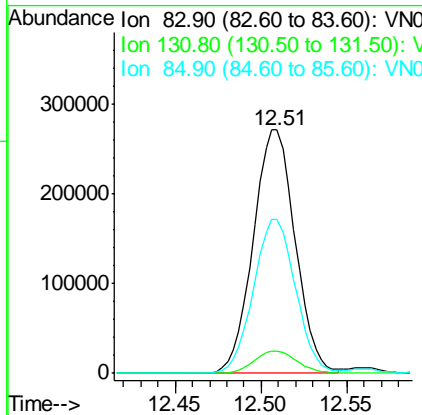
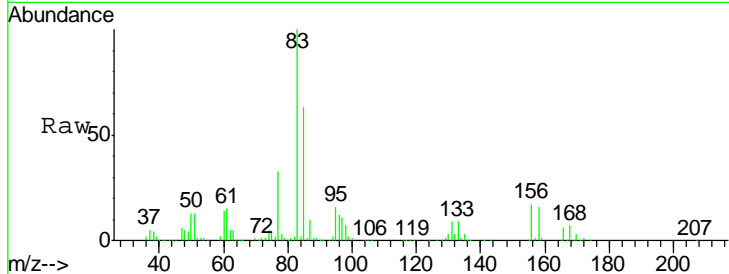
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.250 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
83	457895		
83	100		
131	9.5	4.8	14.3
85	63.6	31.9	95.5

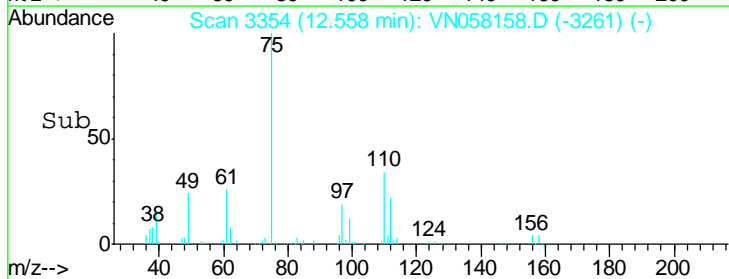
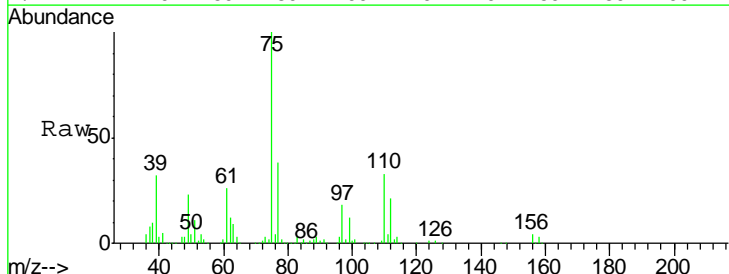
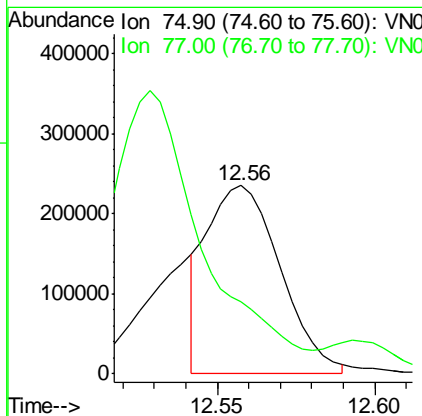
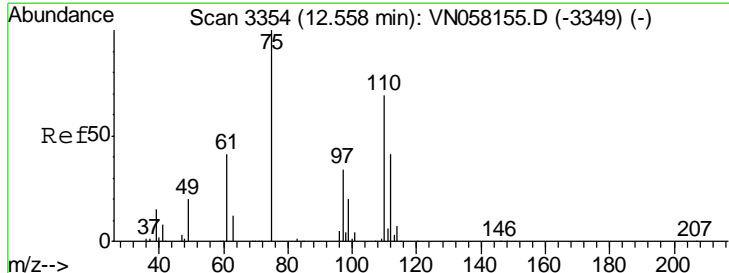
Manual Integrations
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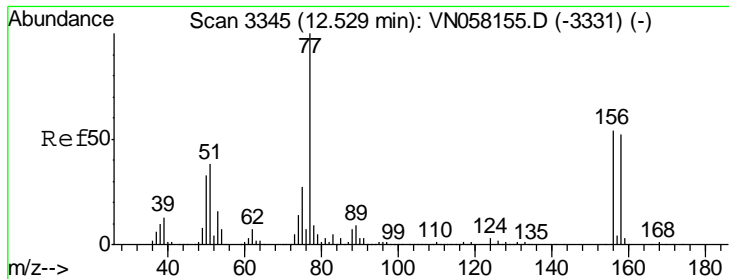
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#76
 1,2,3-Trichloropropane
 Concen: 50.244 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
75	383279		
75	100		
77	0.0	0.0	0.0





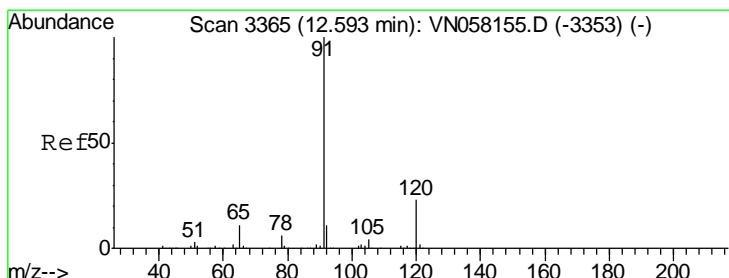
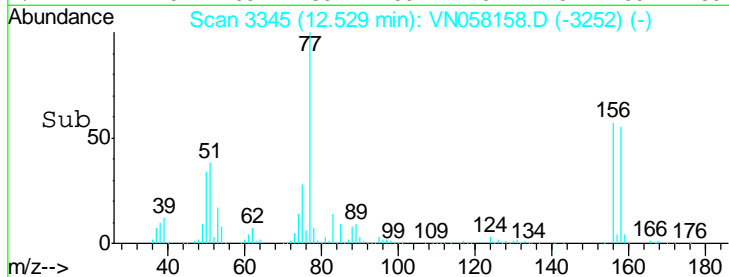
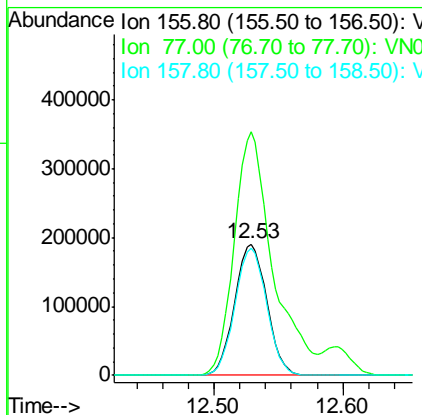
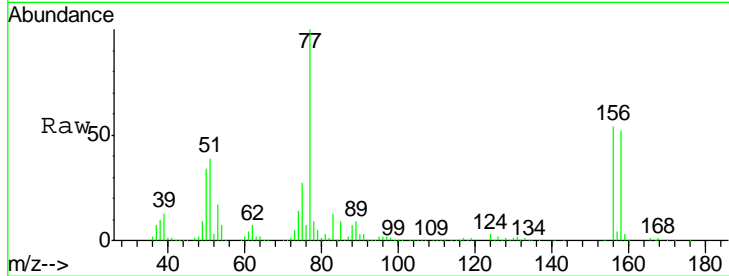
#77
 Bromobenzene
 Concen: 49.190 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
156	330123		
77	222.6	111.7	335.1
158	95.9	47.9	143.8

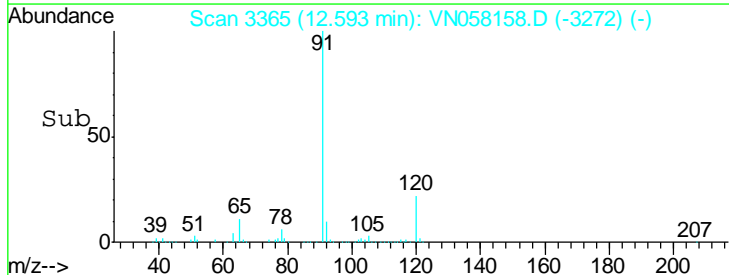
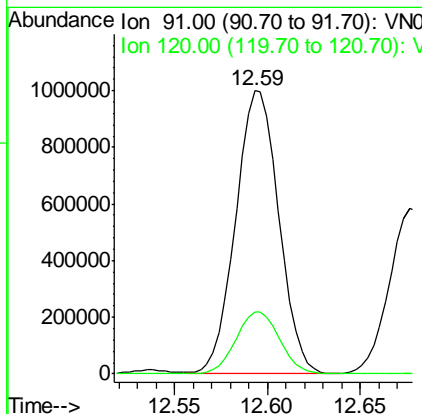
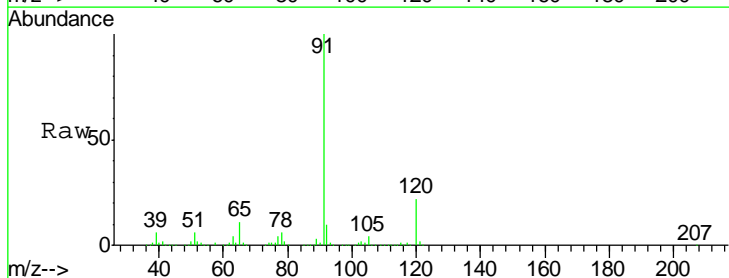
Manual Integrations
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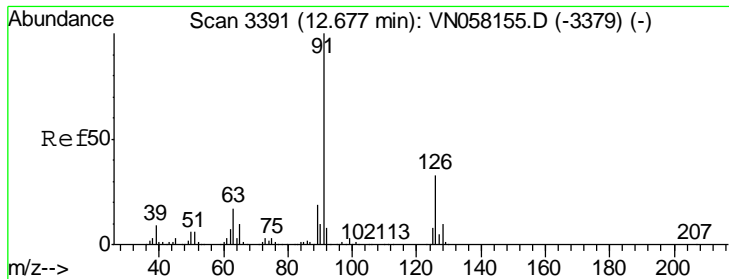
MMDadoda
 9/20/2019 1:43:24 PM



#78
 n-propylbenzene
 Concen: 53.170 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
91	1612016		
120	22.2	11.1	33.3





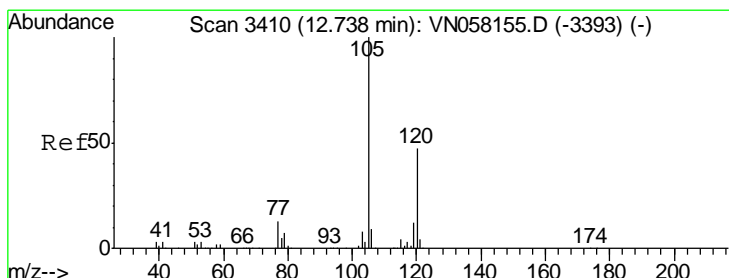
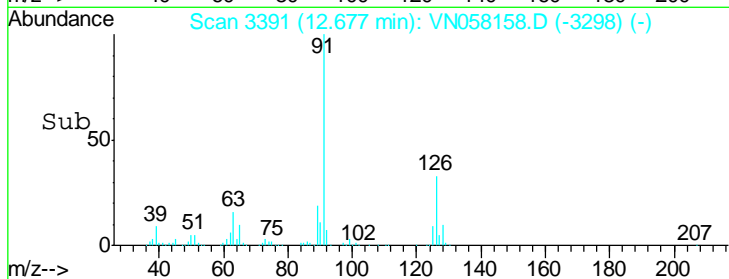
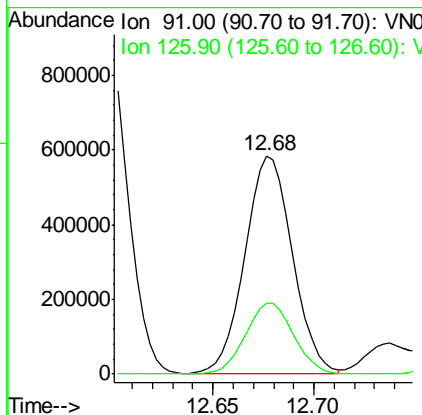
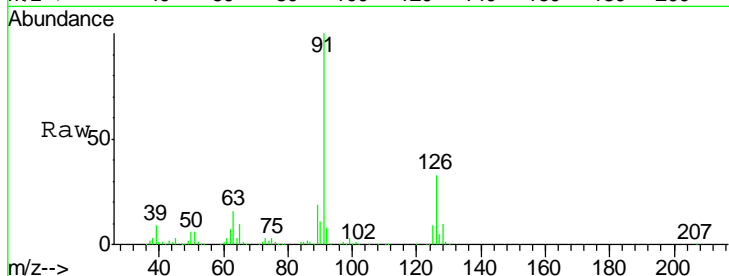
#79
 2-Chlorotoluene
 Concen: 50.633 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
91	100		
126	33.2	16.4	49.1

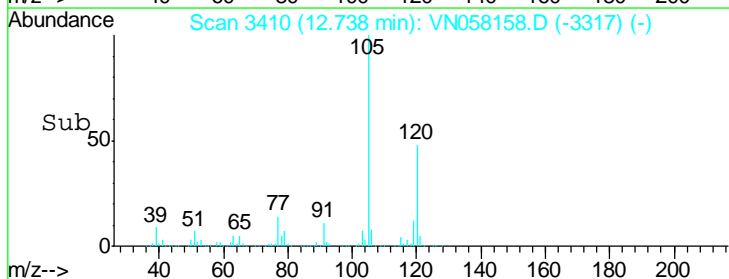
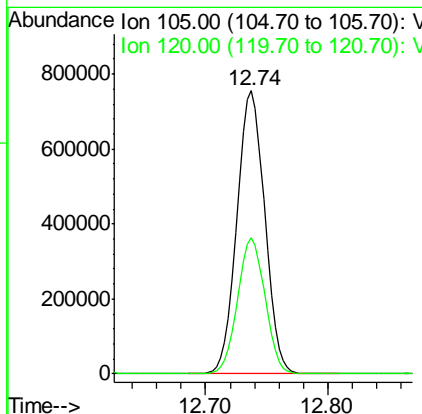
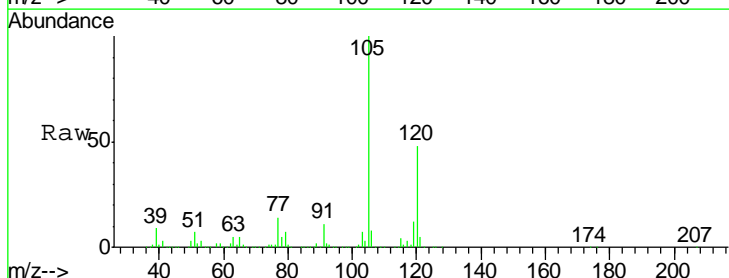
Manual Integrations
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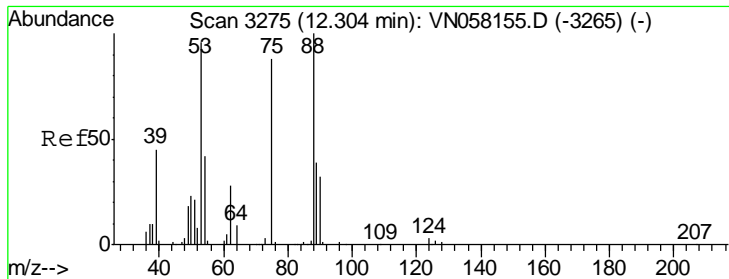
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.619 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
105	100		
120	47.5	23.4	70.0





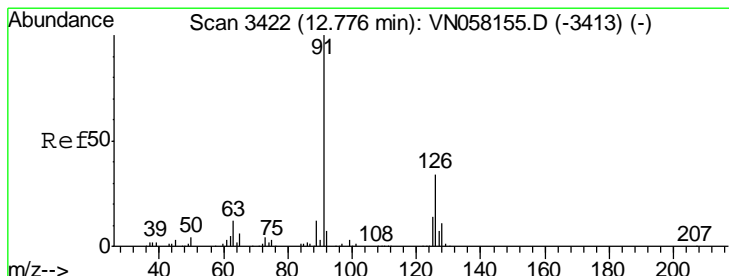
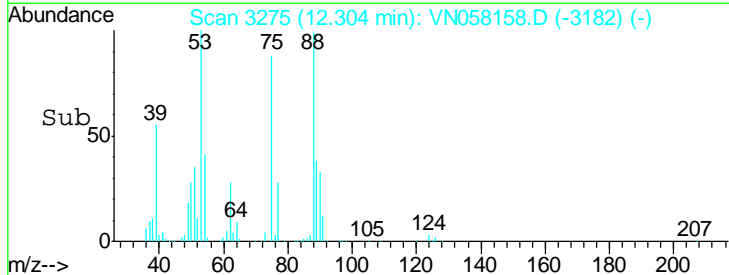
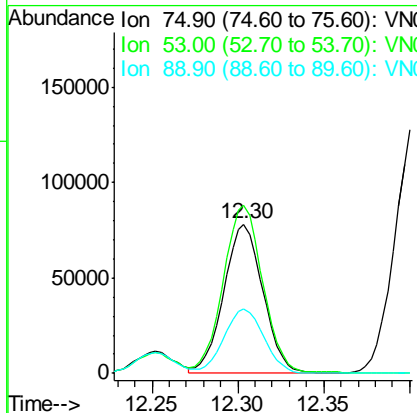
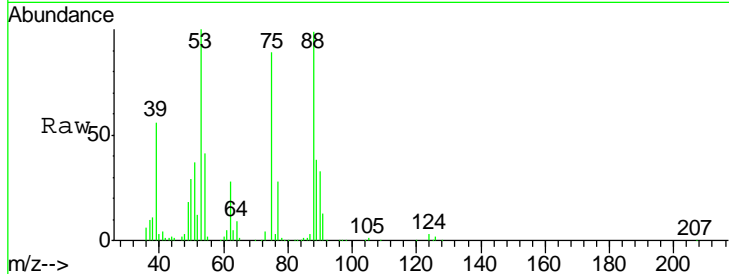
#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.637 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
75	124204		
75	100		
53	112.0	90.1	135.1
89	44.0	36.2	54.2

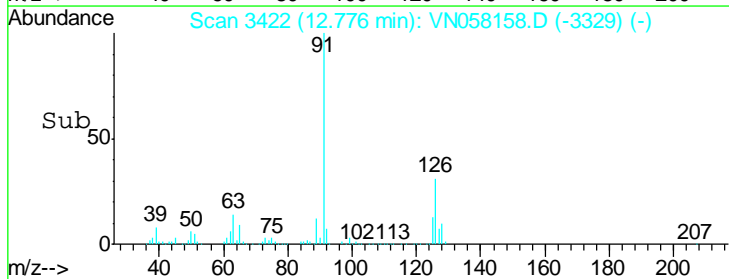
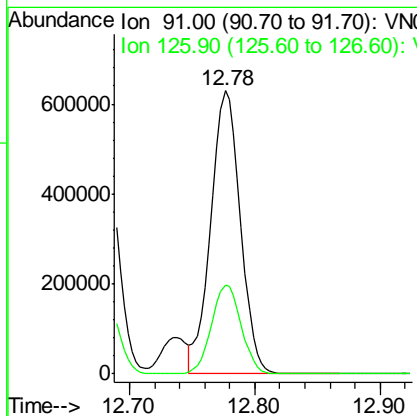
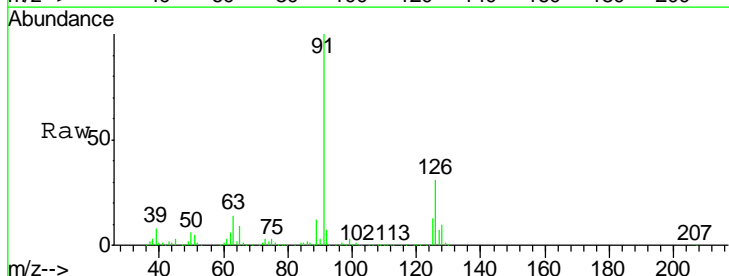
Manual Integrations
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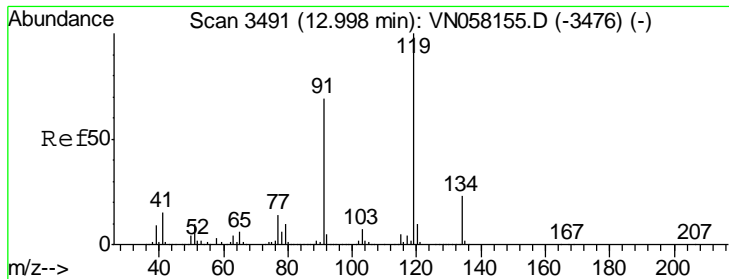
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#82
 4-Chlorotoluene
 Concen: 51.401 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
91	1023766		
91	100		
126	31.7	15.7	47.1





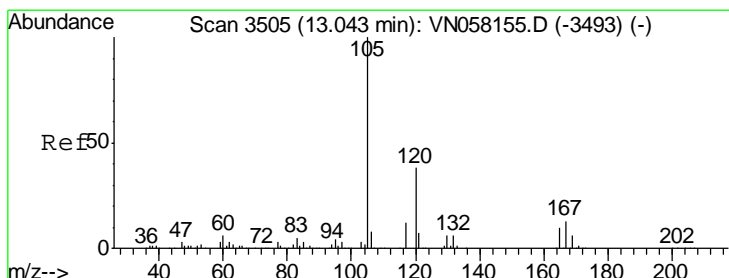
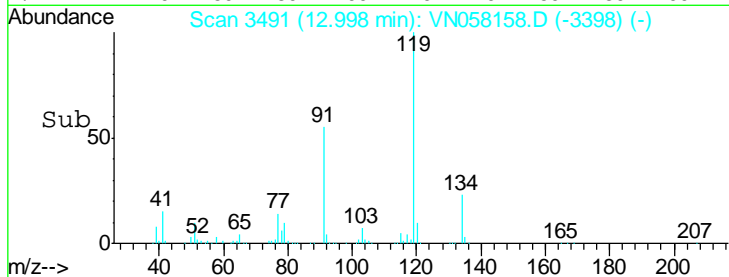
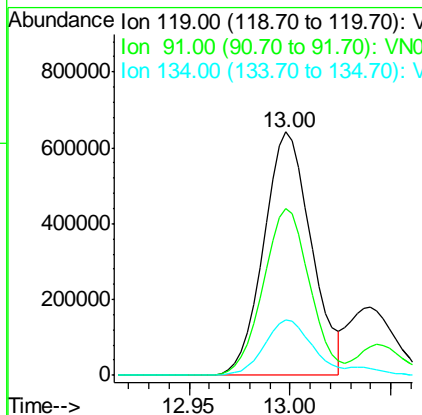
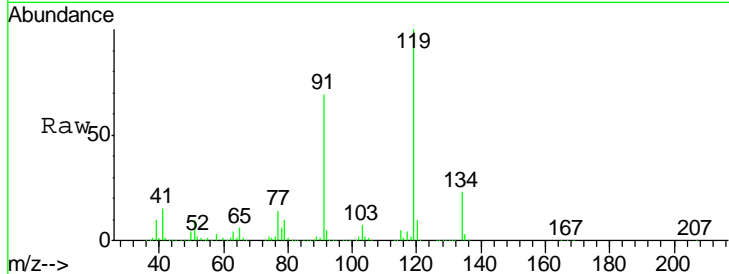
#83
 tert-Butylbenzene
 Concen: 52.208 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 ClientSampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
119	1050400		
91	67.2	33.8	101.3
134	22.8	11.6	34.8

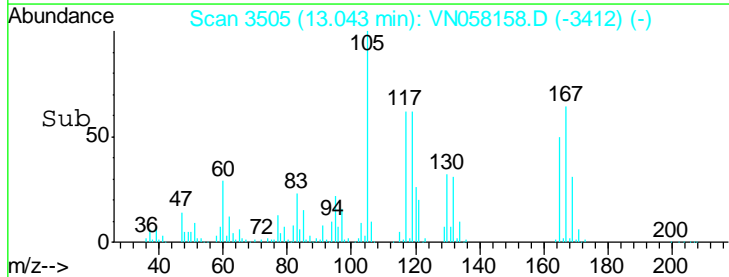
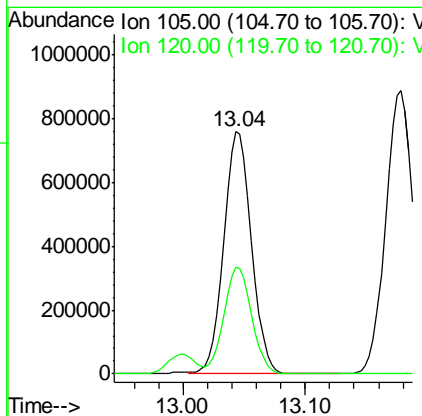
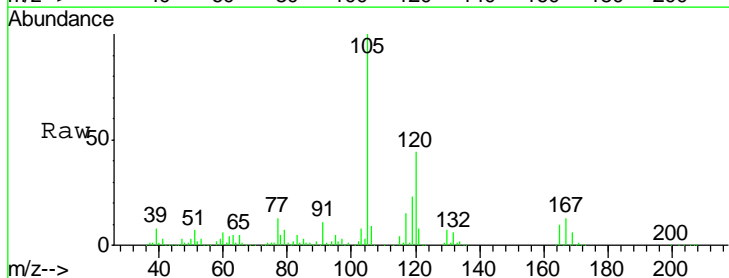
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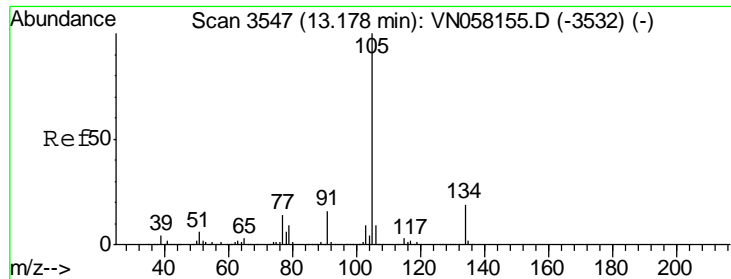
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.717 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
105	1206060		
120	44.1	22.1	66.5





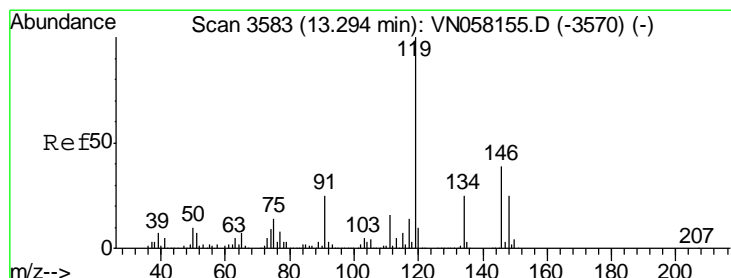
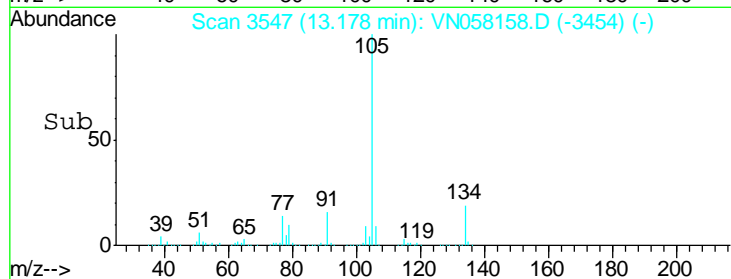
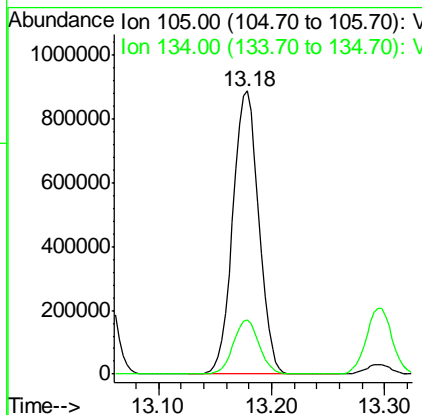
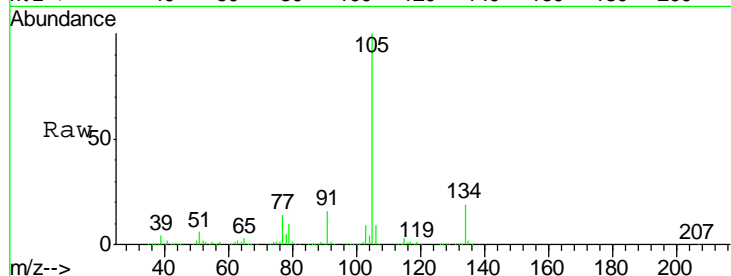
#85
 sec-Butylbenzene
 Concen: 53.871 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
105	1417346		
134	19.2	9.5	28.5

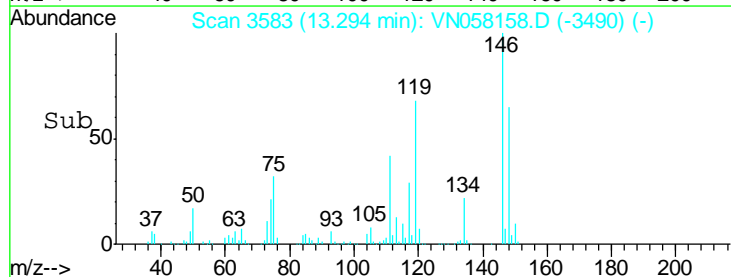
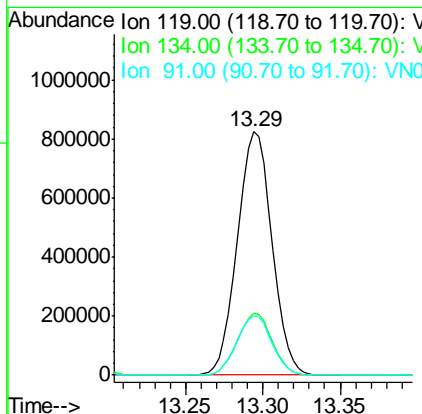
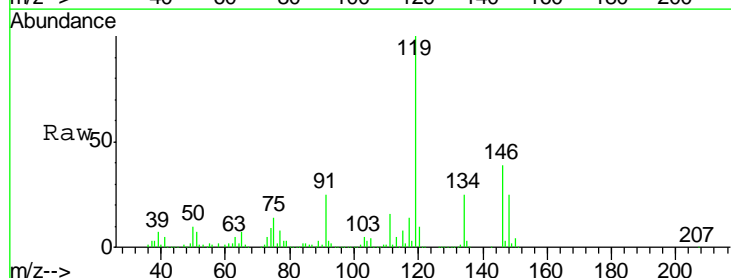
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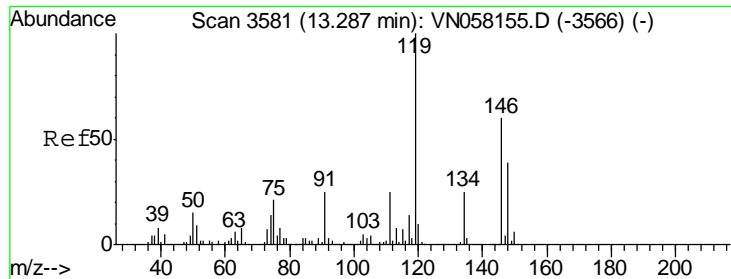
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#86
 p-Isopropyltoluene
 Concen: 54.634 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
119	1277884		
134	25.5	12.7	38.0
91	24.6	12.3	36.8





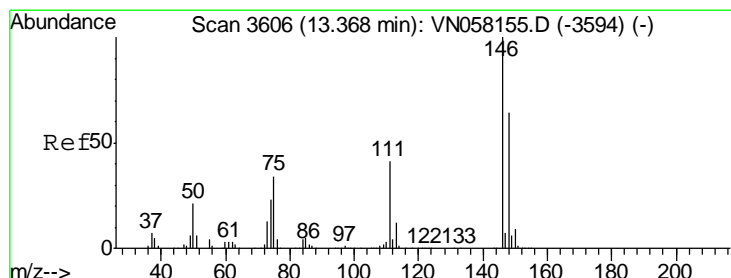
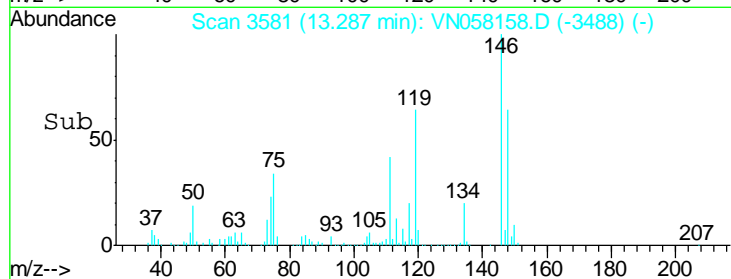
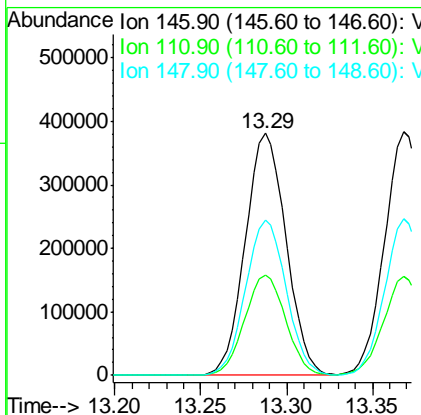
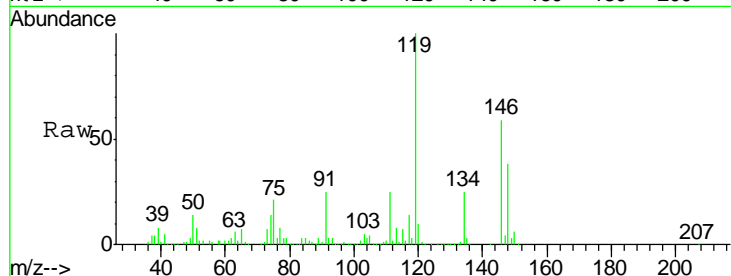
#87
 1,3-Dichlorobenzene
 Concen: 51.318 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
146	629046		
146	100		
111	41.6	20.9	62.8
148	63.8	32.0	96.2

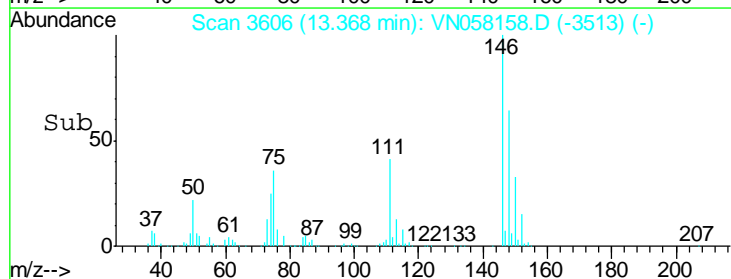
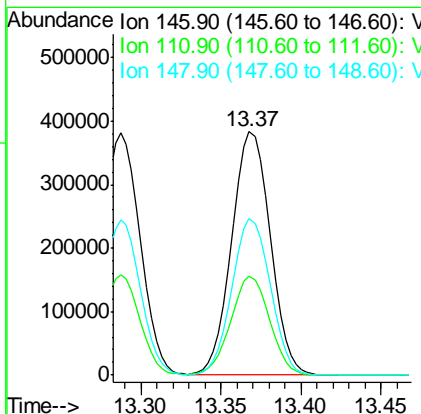
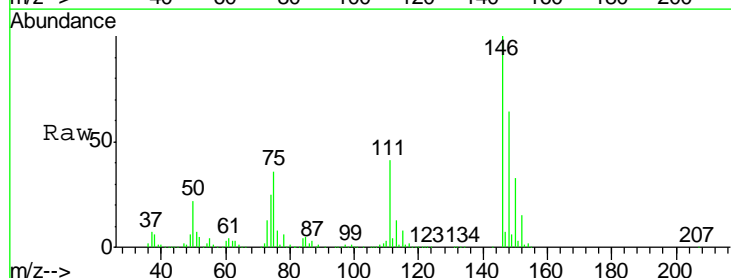
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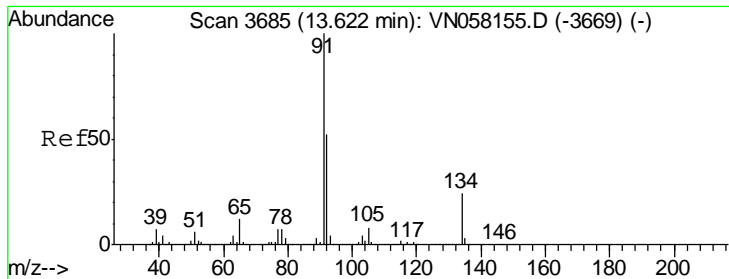
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#88
 1,4-Dichlorobenzene
 Concen: 50.325 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
146	629779		
146	100		
111	40.7	20.5	61.5
148	64.2	31.9	95.5





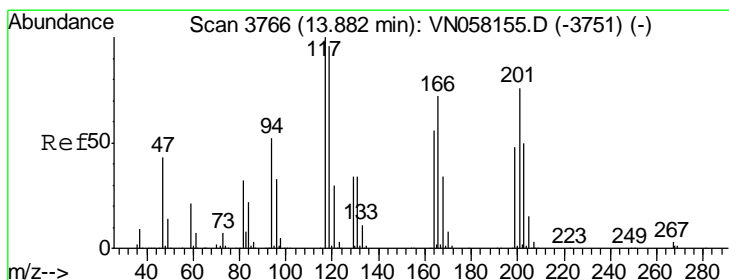
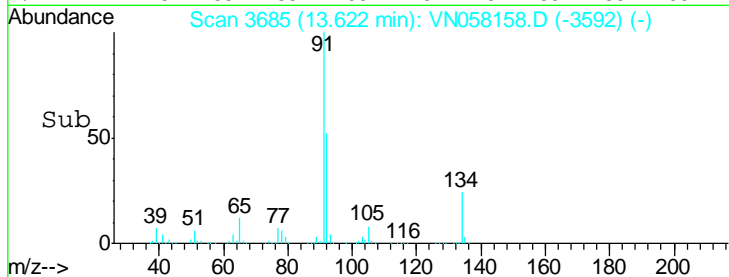
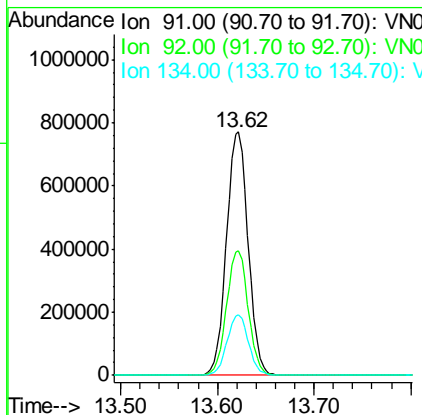
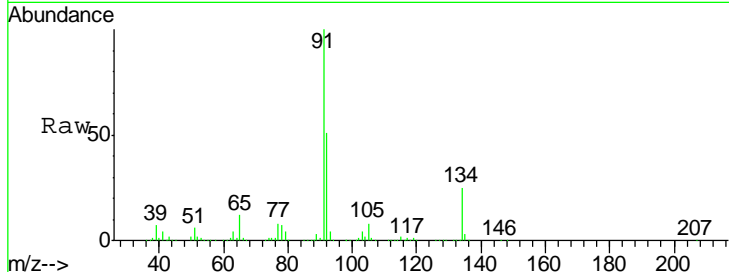
#89
 n-Butylbenzene
 Concen: 54.017 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN091819

Tgt Ion	Resp	Lower	Upper
91	1197838		
91	100		
92	51.2	25.7	77.0
134	24.5	11.8	35.4

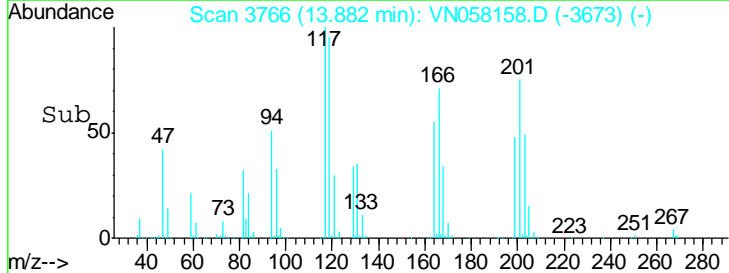
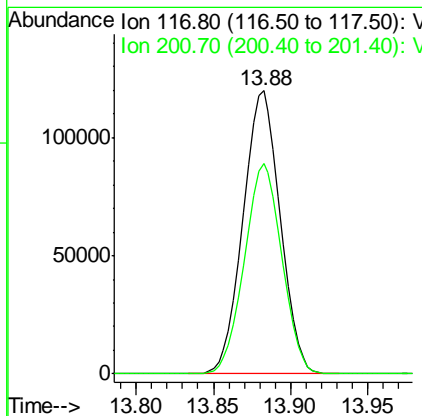
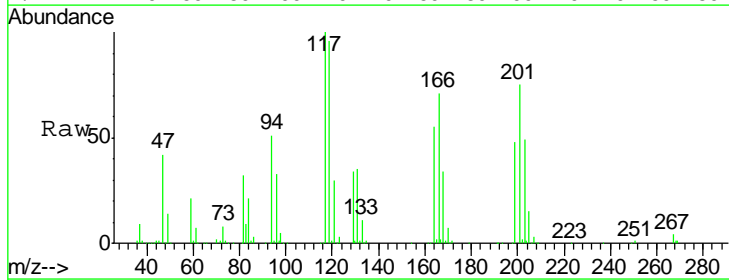
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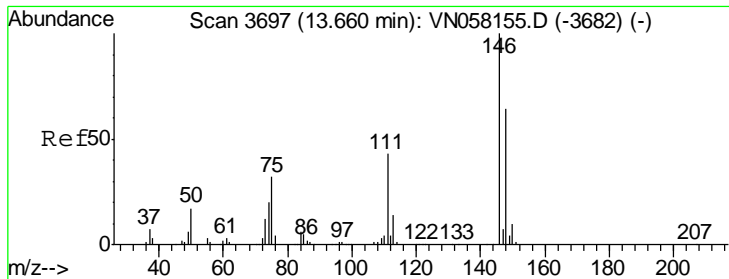
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#90
 Hexachloroethane
 Concen: 48.882 ug/l
 RT: 13.88 min Scan# 3766
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
117	200218		
117	100		
201	74.9	37.5	112.5





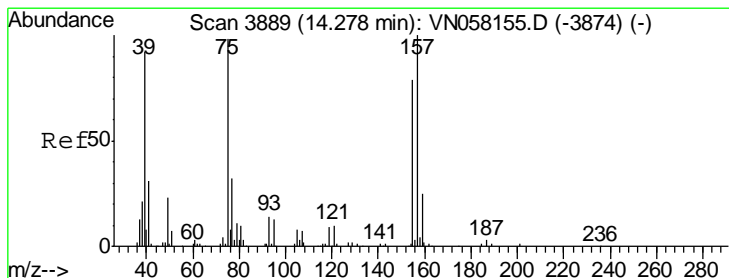
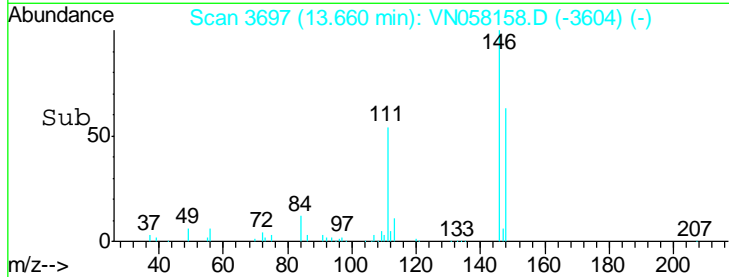
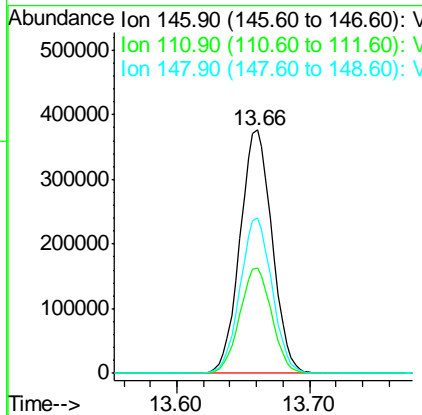
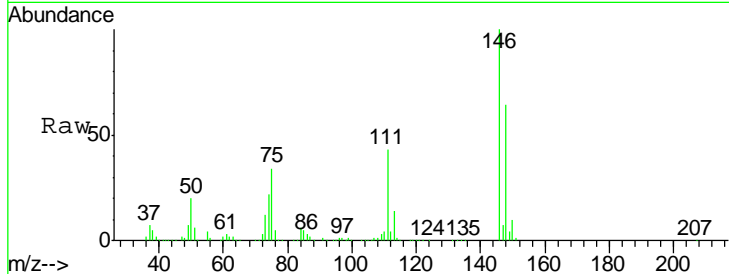
#91
 1,2-Dichlorobenzene
 Concen: 51.312 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
146	630928		
146	100		
111	43.3	21.1	63.1
148	63.5	31.8	95.4

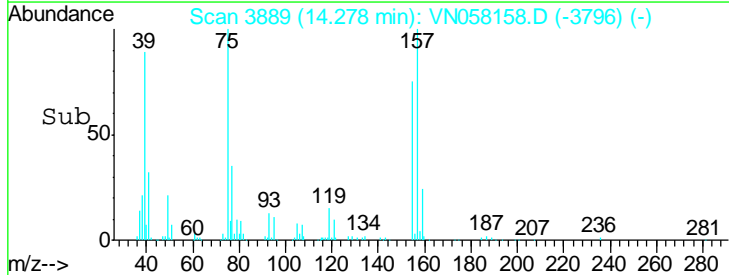
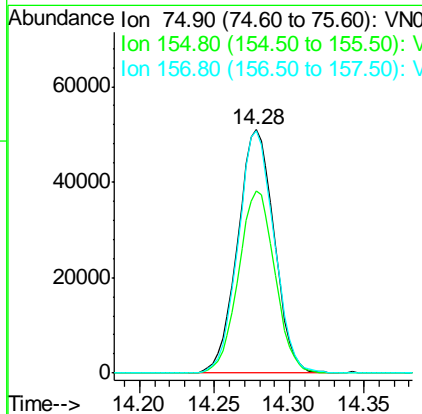
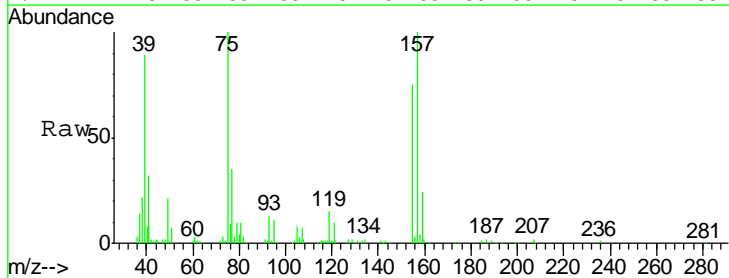
Manual Integrations
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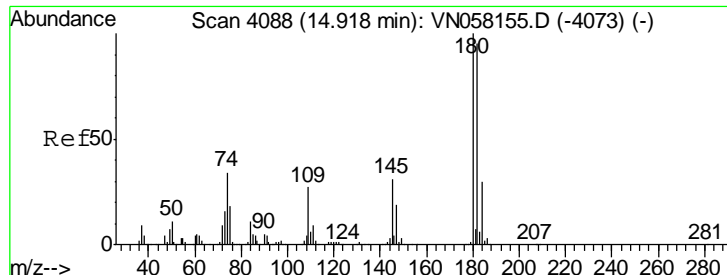
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.981 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
75	86828		
75	100		
155	74.5	38.3	114.8
157	97.8	48.0	144.0





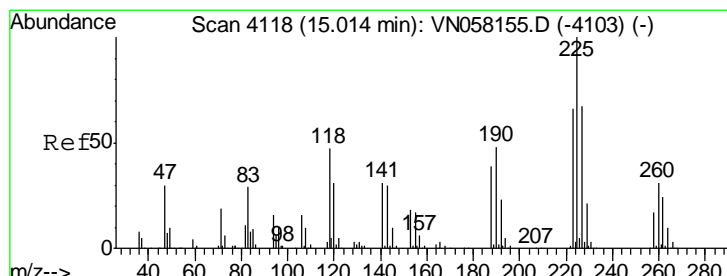
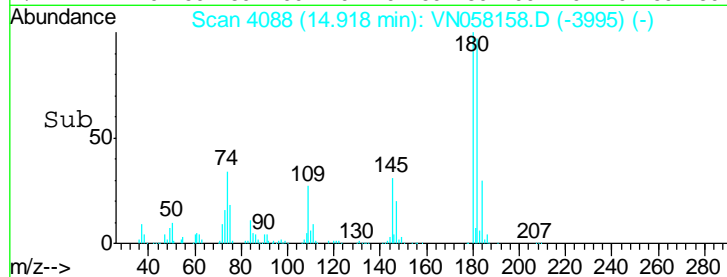
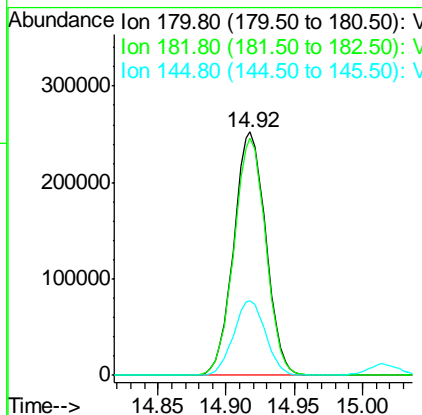
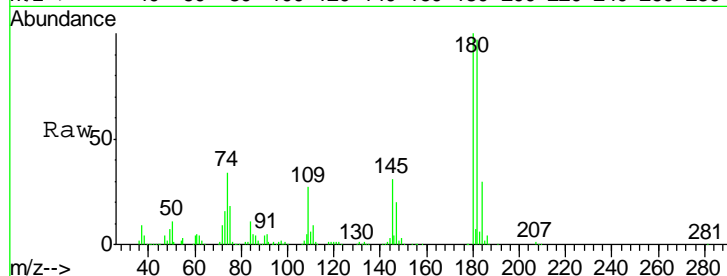
#93
 1,2,4-Trichlorobenzene
 Concen: 52.500 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
180	412453		
180	100		
182	96.4	47.8	143.3
145	30.6	15.4	46.4

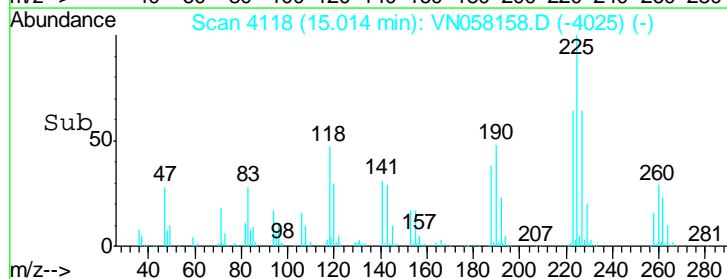
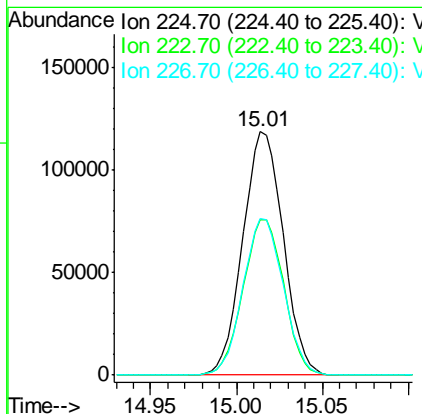
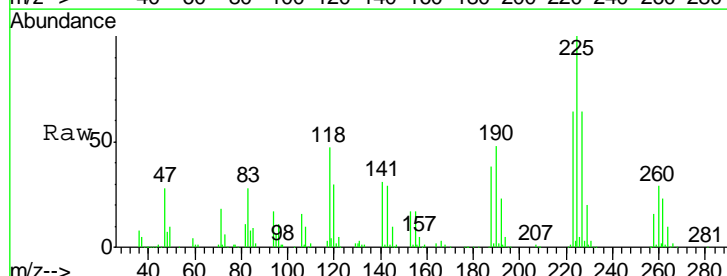
Manual Integrations
 APPROVED

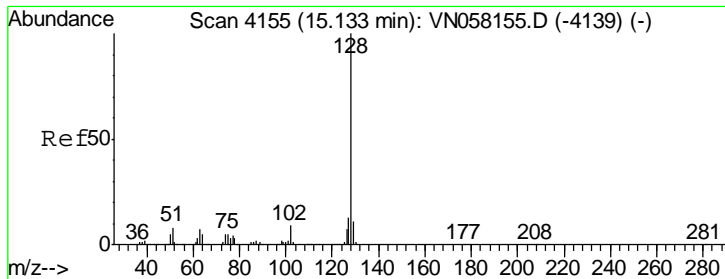
MMDadoda
 9/20/2019 1:43:24 PM



#94
 Hexachlorobutadiene
 Concen: 51.114 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
225	194090		
225	100		
223	63.9	32.6	97.7
227	64.3	33.0	99.0





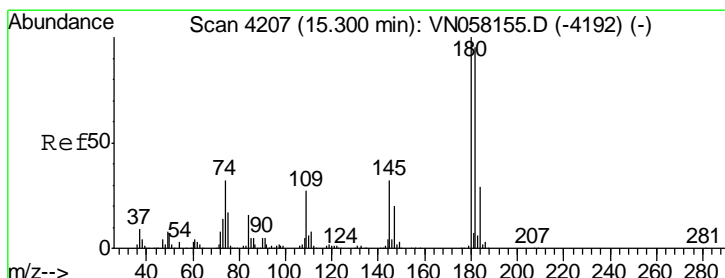
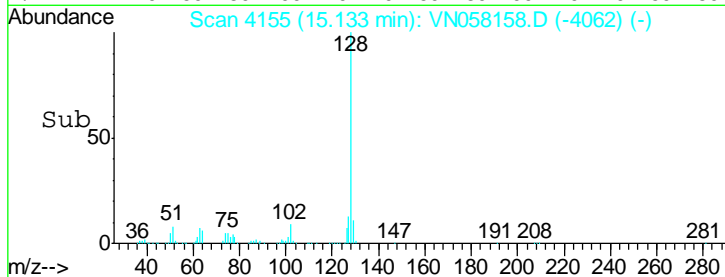
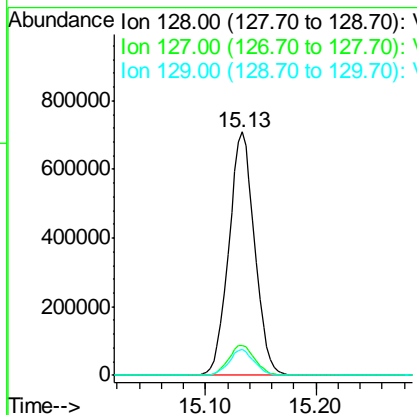
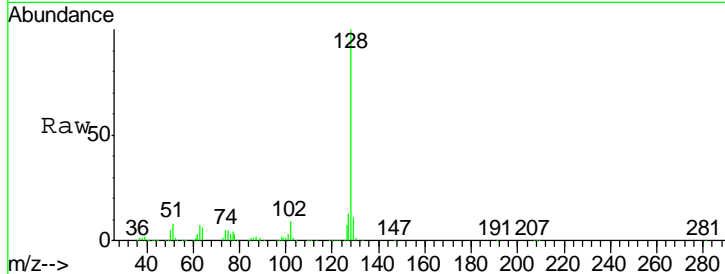
#95
 Naphthalene
 Concen: 56.267 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Instrument : MSVOA_N
 Client Sampled : ICVVN091819

Tgt Ion	Resp	Lower	Upper
128	1145601		
127	12.6	10.2	15.2
129	10.4	8.6	12.8

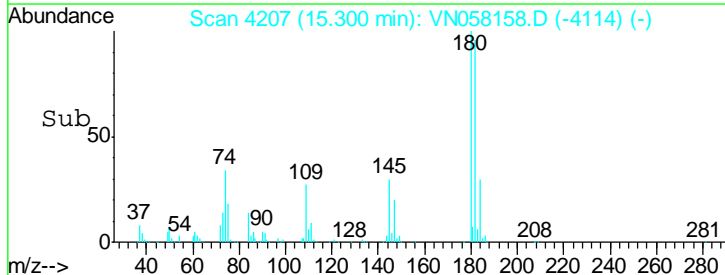
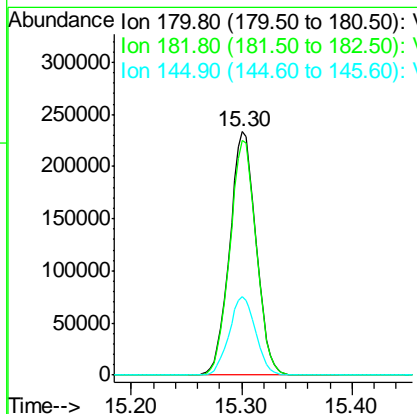
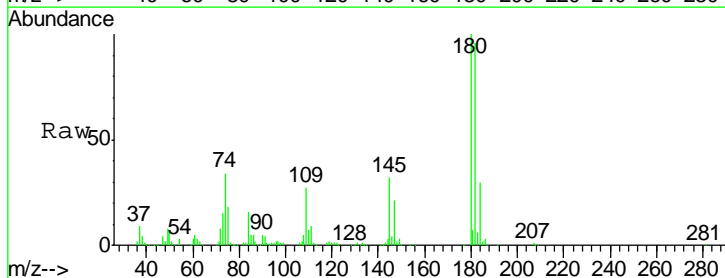
Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:43:24 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 51.974 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058158.D
 Acq: 18 Sep 2019 13:10

Tgt Ion	Resp	Lower	Upper
180	385935		
182	96.9	47.4	142.2
145	32.4	16.1	48.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN091819

Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	87	0.00
2 T	Dichlorodifluoromethane	50.000	46.501	7.0	88	0.00
3 P	Chloromethane	50.000	50.422	-0.8	91	0.00
4 C	Vinyl Chloride	50.000	50.160	-0.3#	88	0.00
5 T	Bromomethane	50.000	51.291	-2.6	93	0.00
6 T	Chloroethane	50.000	50.996	-2.0	88	0.00
7 T	Trichlorofluoromethane	50.000	45.064	9.9	89	0.00
8 T	Diethyl Ether	50.000	46.266	7.5	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.595	6.8	89	0.00
10 T	Methyl Iodide	50.000	49.844	0.3	90	0.00
11 T	Tert butyl alcohol	250.000	256.800	-2.7	91	0.00
12 CM	1,1-Dichloroethene	50.000	49.829	0.3#	89	0.00
13 T	Acrolein	250.000	339.293	-35.7#	117	0.00
14 T	Allyl chloride	50.000	47.970	4.1	90	0.00
15 T	Acrylonitrile	250.000	258.297	-3.3	91	0.00
16 T	Acetone	250.000	249.845	0.1	95	0.00
17 T	Carbon Disulfide	50.000	46.779	6.4	88	0.00
18 T	Methyl Acetate	50.000	48.218	3.6	91	0.00
19 T	Methyl tert-butyl Ether	50.000	49.839	0.3	90	0.00
20 T	Methylene Chloride	50.000	50.185	-0.4	91	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.485	3.0	87	0.00
22 T	Diisopropyl ether	50.000	49.162	1.7	88	0.00
23 T	Vinyl Acetate	250.000	266.867	-6.7	90	0.00
24 P	1,1-Dichloroethane	50.000	47.734	4.5	89	0.00
25 T	2-Butanone	250.000	260.542	-4.2	91	0.00
26 T	2,2-Dichloropropane	50.000	48.344	3.3	90	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.446	3.1	89	0.00
28 T	Bromochloromethane	50.000	50.045	-0.1	85	0.00
29 T	Tetrahydrofuran	250.000	247.849	0.9	90	0.00
30 C	Chloroform	50.000	48.062	3.9#	90	0.00
31 T	Cyclohexane	50.000	48.933	2.1	87	0.00
32 T	1,1,1-Trichloroethane	50.000	50.378	-0.8	89	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.775	-1.5	87	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35 S	Dibromofluoromethane	50.000	50.719	-1.4	86	0.00
36 T	1,1-Dichloropropene	50.000	45.346	9.3	87	0.00
37 T	Ethyl Acetate	50.000	52.103	-4.2	92	0.00
38 T	Carbon Tetrachloride	50.000	48.722	2.6	89	0.00
39 T	Methylcyclohexane	50.000	48.569	2.9	87	0.00
40 TM	Benzene	50.000	48.061	3.9	89	0.00
41 T	Methacrylonitrile	50.000	51.719	-3.4	91	0.00
42 TM	1,2-Dichloroethane	50.000	48.353	3.3	89	0.00
43 T	Isopropyl Acetate	50.000	49.590	0.8	91	0.00
44 TM	Trichloroethene	50.000	48.068	3.9	88	0.00
45 C	1,2-Dichloropropane	50.000	50.088	-0.2#	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	49.243	1.5	89	0.00
47 T	Bromodichloromethane	50.000	51.831	-3.7	89	0.00
48 T	Methyl methacrylate	50.000	52.765	-5.5	91	0.00
49 T	1,4-Dioxane	1000.000	1029.890	-3.0	87	0.00
50 S	Toluene-d8	50.000	52.290	-4.6	87	0.00
51 T	4-Methyl-2-Pentanone	250.000	284.098	-13.6	92	0.00
52 CM	Toluene	50.000	49.108	1.8#	89	0.00
53 T	t-1,3-Dichloropropene	50.000	53.534	-7.1	89	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.612	-3.2	88	0.00
55 T	1,1,2-Trichloroethane	50.000	51.287	-2.6	90	0.00
56 T	Ethyl methacrylate	50.000	53.807	-7.6	90	0.00
57 T	1,3-Dichloropropane	50.000	50.090	-0.2	89	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	270.228	-8.1	85	0.00
59 T	2-Hexanone	250.000	285.124	-14.0	93	0.00
60 T	Dibromochloromethane	50.000	53.659	-7.3	88	0.00
61 T	1,2-Dibromoethane	50.000	51.436	-2.9	90	0.00
62 S	4-Bromofluorobenzene	50.000	52.064	-4.1	88	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64 T	Tetrachloroethene	50.000	46.287	7.4	87	0.00
65 PM	Chlorobenzene	50.000	49.532	0.9	90	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.298	-4.6	89	0.00
67 C	Ethyl Benzene	50.000	51.455	-2.9#	89	0.00
68 T	m/p-Xylenes	100.000	99.749	0.3	88	0.00
69 T	o-Xylene	50.000	51.220	-2.4	90	0.00
70 T	Styrene	50.000	52.904	-5.8	89	0.00
71 P	Bromoform	50.000	48.109	3.8	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73 T	Isopropylbenzene	50.000	51.811	-3.6	89	0.00
74 T	N-amyl acetate	50.000	54.204	-8.4	90	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.250	-2.5	90	0.00
76 T	1,2,3-Trichloropropane	50.000	50.244	-0.5	91	0.00
77 T	Bromobenzene	50.000	49.190	1.6	90	0.00
78 T	n-propylbenzene	50.000	53.170	-6.3	89	0.00
79 T	2-Chlorotoluene	50.000	50.633	-1.3	88	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.619	-5.2	88	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.637	2.7	90	0.00
82 T	4-Chlorotoluene	50.000	51.401	-2.8	89	0.00
83 T	tert-Butylbenzene	50.000	52.208	-4.4	89	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.717	-7.4	89	0.00
85 T	sec-Butylbenzene	50.000	53.871	-7.7	89	0.00
86 T	p-Isopropyltoluene	50.000	54.634	-9.3	89	0.00
87 T	1,3-Dichlorobenzene	50.000	51.318	-2.6	89	0.00
88 T	1,4-Dichlorobenzene	50.000	50.325	-0.7	88	0.00
89 T	n-Butylbenzene	50.000	54.017	-8.0	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091819

Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	48.882	2.2	89	0.00
91 T	1,2-Dichlorobenzene	50.000	51.312	-2.6	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.981	-8.0	91	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.500	-5.0	88	0.00
94 T	Hexachlorobutadiene	50.000	51.114	-2.2	90	0.00
95 T	Naphthalene	50.000	56.267	-12.5	89	0.00
96 T	1,2,3-Trichlorobenzene	50.000	51.974	-3.9	86	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091819

Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	87	0.00
2 T	Dichlorodifluoromethane	0.411	0.382	7.1	88	0.00
3 P	Chloromethane	0.383	0.319	16.7	91	0.00
4 C	Vinyl Chloride	0.398	0.347	12.8#	88	0.00
5 T	Bromomethane	0.197	0.188	4.6	93	0.00
6 T	Chloroethane	0.263	0.226	14.1	88	0.00
7 T	Trichlorofluoromethane	0.561	0.505	10.0	89	0.00
8 T	Diethyl Ether	0.257	0.238	7.4	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.404	0.377	6.7	89	0.00
10 T	Methyl Iodide	0.339	0.338	0.3	90	0.00
11 T	Tert butyl alcohol	0.083	0.085	-2.4	91	0.00
12 CM	1,1-Dichloroethene	0.342	0.306	10.5#	89	0.00
13 T	Acrolein	0.012	0.017	-41.7#	117	0.00
14 T	Allyl chloride	0.661	0.635	3.9	90	0.00
15 T	Acrylonitrile	0.221	0.228	-3.2	91	0.00
16 T	Acetone	0.236	0.236	0.0	95	0.00
17 T	Carbon Disulfide	0.526	0.404	23.2	88	0.00
18 T	Methyl Acetate	0.622	0.600	3.5	91	0.00
19 T	Methyl tert-butyl Ether	1.525	1.520	0.3	90	0.00
20 T	Methylene Chloride	0.460	0.415	9.8	91	0.00
21 T	trans-1,2-Dichloroethene	0.371	0.324	12.7	87	0.00
22 T	Diisopropyl ether	1.680	1.652	1.7	88	0.00
23 T	Vinyl Acetate	1.150	1.227	-6.7	90	0.00
24 P	1,1-Dichloroethane	0.897	0.856	4.6	89	0.00
25 T	2-Butanone	0.322	0.336	-4.3	91	0.00
26 T	2,2-Dichloropropane	0.761	0.736	3.3	90	0.00
27 T	cis-1,2-Dichloroethene	0.507	0.491	3.2	89	0.00
28 T	Bromochloromethane	0.424	0.425	-0.2	85	0.00
29 T	Tetrahydrofuran	0.198	0.197	0.5	90	0.00
30 C	Chloroform	0.965	0.928	3.8#	90	0.00
31 T	Cyclohexane	0.664	0.568	14.5	87	0.00
32 T	1,1,1-Trichloroethane	0.735	0.740	-0.7	89	0.00
33 S	1,2-Dichloroethane-d4	0.696	0.707	-1.6	87	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35 S	Dibromofluoromethane	0.304	0.308	-1.3	86	0.00
36 T	1,1-Dichloropropene	0.361	0.327	9.4	87	0.00
37 T	Ethyl Acetate	0.374	0.390	-4.3	92	0.00
38 T	Carbon Tetrachloride	0.362	0.353	2.5	89	0.00
39 T	Methylcyclohexane	0.380	0.339	10.8	87	0.00
40 TM	Benzene	1.101	1.059	3.8	89	0.00
41 T	Methacrylonitrile	0.181	0.195	-7.7	91	0.00
42 TM	1,2-Dichloroethane	0.462	0.447	3.2	89	0.00
43 T	Isopropyl Acetate	0.699	0.693	0.9	91	0.00
44 TM	Trichloroethene	0.270	0.259	4.1	88	0.00
45 C	1,2-Dichloropropane	0.329	0.329	0.0	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN091819

Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.200	0.197	1.5	89	0.00
47 T	Bromodichloromethane	0.419	0.434	-3.6	89	0.00
48 T	Methyl methacrylate	0.317	0.335	-5.7	91	0.00
49 T	1,4-Dioxane	0.005	0.005	0.0	87	0.00
50 S	Toluene-d8	1.184	1.239	-4.6	87	0.00
51 T	4-Methyl-2-Pentanone	0.371	0.422	-13.7	92	0.00
52 CM	Toluene	0.690	0.678	1.7#	89	0.00
53 T	t-1,3-Dichloropropene	0.429	0.459	-7.0	89	0.00
54 T	cis-1,3-Dichloropropene	0.474	0.489	-3.2	88	0.00
55 T	1,1,2-Trichloroethane	0.306	0.314	-2.6	90	0.00
56 T	Ethyl methacrylate	0.442	0.476	-7.7	90	0.00
57 T	1,3-Dichloropropane	0.527	0.528	-0.2	89	0.00
58 T	2-Chloroethyl Vinyl ether	0.211	0.228	-8.1	85	0.00
59 T	2-Hexanone	0.276	0.314	-13.8	93	0.00
60 T	Dibromochloromethane	0.295	0.316	-7.1	88	0.00
61 T	1,2-Dibromoethane	0.284	0.292	-2.8	90	0.00
62 S	4-Bromofluorobenzene	0.440	0.458	-4.1	88	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64 T	Tetrachloroethene	0.244	0.226	7.4	87	0.00
65 PM	Chlorobenzene	0.879	0.871	0.9	90	0.00
66 T	1,1,1,2-Tetrachloroethane	0.319	0.334	-4.7	89	0.00
67 C	Ethyl Benzene	1.507	1.551	-2.9#	89	0.00
68 T	m/p-Xylenes	0.568	0.566	0.4	88	0.00
69 T	o-Xylene	0.558	0.572	-2.5	90	0.00
70 T	Styrene	0.962	1.017	-5.7	89	0.00
71 P	Bromoform	0.203	0.227	-11.8	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73 T	Isopropylbenzene	3.130	3.243	-3.6	89	0.00
74 T	N-amyl acetate	1.309	1.419	-8.4	90	0.00
75 P	1,1,2,2-Tetrachloroethane	1.048	1.074	-2.5	90	0.00
76 T	1,2,3-Trichloropropane	0.895	0.899	-0.4	91	0.00
77 T	Bromobenzene	0.787	0.774	1.7	90	0.00
78 T	n-propylbenzene	3.556	3.782	-6.4	89	0.00
79 T	2-Chlorotoluene	2.223	2.251	-1.3	88	0.00
80 T	1,3,5-Trimethylbenzene	2.647	2.785	-5.2	88	0.00
81 T	trans-1,4-Dichloro-2-butene	0.271	0.291	-7.4	90	0.00
82 T	4-Chlorotoluene	2.336	2.402	-2.8	89	0.00
83 T	tert-Butylbenzene	2.360	2.464	-4.4	89	0.00
84 T	1,2,4-Trimethylbenzene	2.634	2.830	-7.4	89	0.00
85 T	sec-Butylbenzene	3.086	3.325	-7.7	89	0.00
86 T	p-Isopropyltoluene	2.744	2.998	-9.3	89	0.00
87 T	1,3-Dichlorobenzene	1.438	1.476	-2.6	89	0.00
88 T	1,4-Dichlorobenzene	1.468	1.478	-0.7	88	0.00
89 T	n-Butylbenzene	2.601	2.810	-8.0	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091819

Quant Time: Sep 19 15:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.426	0.470	-10.3	89	0.00
91 T	1,2-Dichlorobenzene	1.442	1.480	-2.6	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.189	0.204	-7.9	91	0.00
93 T	1,2,4-Trichlorobenzene	0.922	0.968	-5.0	88	0.00
94 T	Hexachlorobutadiene	0.445	0.455	-2.2	90	0.00
95 T	Naphthalene	2.388	2.688	-12.6	89	0.00
96 T	1,2,3-Trichlorobenzene	0.871	0.905	-3.9	86	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG No.: K4939
 Instrument ID: MSVOA_W Calibration Date(s): 09/20/2019 09/20/2019
 Heated Purge: (Y/N) Y Calibration Time(s): 12:43 14:53
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VW013177.D	RRF010 = VW013178.D	RRF020 = VW013179.D	RRF050 = VW013180.D	RRF100 = VW013181.D	RRF150 = VW013182.D	RRF	% RSD
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.311	0.280	0.299	0.269	0.291	0.280	0.288	5.2
Chloromethane	0.451	0.396	0.363	0.338	0.338	0.339	0.371	12.3
Vinyl Chloride	0.553	0.497	0.471	0.452	0.464	0.431	0.478	8.9
Bromomethane	0.349	0.310	0.290	0.296	0.291	0.282	0.303	8
Chloroethane	0.317	0.287	0.269	0.277	0.277	0.264	0.282	6.7
Trichlorofluoromethane	0.278	0.272	0.258	0.269	0.291	0.285	0.276	4.2
1,1,2-Trichlorotrifluoroethane	0.493	0.462	0.436	0.442	0.441	0.419	0.449	5.7
1,1-Dichloroethene	0.510	0.464	0.454	0.456	0.464	0.440	0.465	5.1
Acetone	0.104	0.096	0.082	0.087	0.092	0.090	0.092	8.4
Carbon Disulfide	1.417	1.297	1.290	1.346	1.385	1.323	1.343	3.8
Methyl tert-butyl Ether	0.776	0.718	0.689	0.713	0.710	0.666	0.712	5.2
Methyl Acetate	0.287	0.264	0.260	0.240	0.253	0.248	0.259	6.3
Methylene Chloride	0.699	0.545	0.486	0.482	0.471	0.445	0.521	17.8
trans-1,2-Dichloroethene	0.558	0.493	0.483	0.503	0.502	0.473	0.502	5.9
1,1-Dichloroethane	0.912	0.851	0.824	0.848	0.843	0.813	0.849	4.1
Cyclohexane	1.066	0.903	0.853	0.843	0.847	0.796	0.885	10.8
2-Butanone	0.151	0.146	0.133	0.129	0.136	0.134	0.138	6.2
Carbon Tetrachloride	0.454	0.432	0.414	0.439	0.442	0.425	0.434	3.2
cis-1,2-Dichloroethene	0.576	0.515	0.509	0.535	0.533	0.512	0.530	4.7
Bromochloromethane	0.335	0.304	0.280	0.352	0.345	0.338	0.326	8.6
Chloroform	0.950	0.832	0.803	0.807	0.813	0.780	0.831	7.3
1,1,1-Trichloroethane	0.746	0.655	0.657	0.672	0.666	0.641	0.673	5.6
Methylcyclohexane	0.654	0.613	0.603	0.630	0.632	0.602	0.622	3.2
Benzene	1.458	1.344	1.305	1.348	1.355	1.295	1.351	4.3
1,2-Dichloroethane	0.395	0.370	0.343	0.363	0.363	0.346	0.363	5.2
Trichloroethene	0.417	0.378	0.361	0.376	0.377	0.364	0.379	5.3
1,2-Dichloropropane	0.361	0.326	0.312	0.329	0.332	0.319	0.330	5.2
Bromodichloromethane	0.431	0.390	0.380	0.412	0.422	0.409	0.407	4.7
4-Methyl-2-Pentanone	0.195	0.206	0.188	0.194	0.207	0.197	0.198	3.8
Toluene	0.935	0.848	0.830	0.869	0.874	0.838	0.866	4.4
t-1,3-Dichloropropene	0.403	0.397	0.396	0.429	0.452	0.434	0.419	5.5
cis-1,3-Dichloropropene	0.512	0.486	0.476	0.513	0.540	0.526	0.509	4.7
1,1,2-Trichloroethane	0.253	0.241	0.230	0.236	0.243	0.233	0.239	3.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG No.: K4939
 Instrument ID: MSVOA_W Calibration Date(s): 09/20/2019 09/20/2019
 Heated Purge: (Y/N) Y Calibration Time(s): 12:43 14:53
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VW013177.D	RRF010 = VW013178.D	RRF020 = VW013179.D	RRF050 = VW013180.D	RRF100 = VW013181.D	RRF150 = VW013182.D	RRF	% RSD
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.125	0.141	0.131	0.134	0.145	0.140	0.136	5.5
Dibromochloromethane	0.272	0.260	0.253	0.275	0.289	0.281	0.272	4.8
1,2-Dibromoethane	0.240	0.228	0.218	0.223	0.233	0.224	0.228	3.4
Tetrachloroethene	0.414	0.396	0.356	0.377	0.376	0.357	0.379	6
Chlorobenzene	1.148	1.041	1.007	1.029	1.042	0.998	1.044	5.2
Ethyl Benzene	1.981	1.896	1.820	1.921	1.910	1.823	1.892	3.3
m/p-Xylenes	0.751	0.718	0.697	0.736	0.727	0.697	0.721	3
o-Xylene	0.701	0.675	0.643	0.677	0.679	0.648	0.670	3.2
Styrene	1.172	1.135	1.113	1.186	1.174	1.124	1.151	2.6
Bromoform	0.181	0.192	0.177	0.189	0.199	0.192	0.188	4.3
Isopropylbenzene	3.784	3.723	3.514	3.750	3.775	3.616	3.694	2.9
1,1,2,2-Tetrachloroethane	0.654	0.651	0.575	0.605	0.623	0.599	0.618	5
1,3-Dichlorobenzene	1.807	1.691	1.613	1.697	1.694	1.606	1.685	4.3
1,4-Dichlorobenzene	1.766	1.652	1.581	1.668	1.664	1.583	1.652	4.1
1,2-Dichlorobenzene	1.534	1.450	1.400	1.470	1.470	1.420	1.457	3.2
1,2-Dibromo-3-Chloropropane	0.087	0.102	0.090	0.094	0.098	0.097	0.094	5.6
1,2,4-Trichlorobenzene	0.974	0.972	1.011	1.079	1.108	1.123	1.044	6.5
1,2,3-Trichlorobenzene	0.878	0.828	0.861	0.927	0.959	0.961	0.902	6.1
1,2-Dichloroethane-d4	0.458	0.416	0.372	0.410	0.401	0.391	0.408	7.1
Dibromofluoromethane	0.307	0.267	0.253	0.277	0.275	0.271	0.275	6.5
Toluene-d8	1.274	1.142	1.042	1.175	1.153	1.120	1.151	6.6
4-Bromofluorobenzene	0.442	0.390	0.352	0.397	0.396	0.382	0.393	7.4

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\
 Method File : 82W092019S.M
 Title : SW846 8260
 Last Update : Fri Sep 20 15:58:08 2019
 Response Via : Initial Calibration

Calibration Files

10 =VW013178.D 5 =VW013177.D 20 =VW013179.D
 50 =VW013180.D 100 =VW013181.D 150 =VW013182.D

Compound	10	5	20	50	100	150	Avg	%RSD
1) I Pentafluorobenzene	-----ISTD-----							
2) T Dichlorodifluorom	0.280	0.311	0.299	0.269	0.291	0.280	0.288	5.21
3) P Chloromethane	0.396	0.451	0.363	0.338	0.338	0.339	0.371	12.26
4) C Vinyl Chloride	0.497	0.553	0.471	0.452	0.464	0.431	0.478	8.90#
5) T Bromomethane	0.310	0.349	0.290	0.296	0.291	0.282	0.303	8.01
6) T Chloroethane	0.287	0.317	0.269	0.277	0.277	0.264	0.282	6.72
7) T Trichlorofluorome	0.272	0.278	0.258	0.269	0.291	0.285	0.276	4.25
8) T Diethyl Ether	0.225	0.264	0.227	0.234	0.235	0.228	0.235	6.18
9) T 1,1,2-Trichlorotr	0.462	0.493	0.436	0.442	0.441	0.419	0.449	5.71
10) T Methyl Iodide	0.684	0.761	0.674	0.695	0.696	0.664	0.696	4.91
11) T Tert butyl alcoho	0.039	0.047	0.032	0.027	0.028	0.029	0.034	23.67
12) CM 1,1-Dichloroethen	0.464	0.510	0.454	0.456	0.464	0.440	0.465	5.10#
13) T Acrolein	0.027	0.018	0.023	0.025	0.025	0.024	0.023	12.96
14) T Allyl chloride	0.720	0.796	0.706	0.741	0.748	0.726	0.740	4.23
15) T Acrylonitrile	0.102	0.105	0.099	0.099	0.103	0.101	0.102	2.39
16) T Acetone	0.096	0.104	0.082	0.087	0.092	0.090	0.092	8.41
17) T Carbon Disulfide	1.297	1.417	1.290	1.346	1.385	1.323	1.343	3.76
18) T Methyl Acetate	0.264	0.287	0.260	0.240	0.253	0.248	0.259	6.26
19) T Methyl tert-butyl	0.718	0.776	0.689	0.713	0.710	0.666	0.712	5.19
20) T Methylene Chlorid	0.545	0.699	0.486	0.482	0.471	0.445	0.521	17.82
21) T trans-1,2-Dichlor	0.493	0.558	0.483	0.503	0.502	0.473	0.502	5.87
22) T Diisopropyl ether	1.367	1.500	1.364	1.431	1.422	1.353	1.406	4.00
23) T Vinyl Acetate	0.815	0.834	0.809	0.842	0.873	0.833	0.834	2.71
24) P 1,1-Dichloroethan	0.851	0.912	0.824	0.848	0.843	0.813	0.849	4.08
25) T 2-Butanone	0.146	0.151	0.133	0.129	0.136	0.134	0.138	6.24
26) T 2,2-Dichloropropa	0.596	0.739	0.534	0.529	0.505	0.477	0.563	16.76
27) T cis-1,2-Dichloroe	0.515	0.576	0.509	0.535	0.533	0.512	0.530	4.71
28) T Bromochloromethan	0.304	0.335	0.280	0.352	0.345	0.338	0.326	8.55
29) T Tetrahydrofuran	0.085	0.085	0.084	0.082	0.088	0.085	0.085	2.34
30) C Chloroform	0.832	0.950	0.803	0.807	0.813	0.780	0.831	7.28#
31) T Cyclohexane	0.903	1.066	0.853	0.843	0.847	0.796	0.885	10.75
32) T 1,1,1-Trichloroet	0.655	0.746	0.657	0.672	0.666	0.641	0.673	5.56
33) S 1,2-Dichloroethan	0.416	0.458	0.372	0.410	0.401	0.391	0.408	7.13
34) I 1,4-Difluorobenzene	-----ISTD-----							
35) S Dibromofluorometh	0.267	0.307	0.253	0.277	0.275	0.271	0.275	6.47
36) T 1,1-Dichloroprope	0.493	0.527	0.466	0.477	0.482	0.461	0.484	4.91
37) T Ethyl Acetate	0.221	0.210	0.196	0.198	0.211	0.199	0.206	4.70
38) T Carbon Tetrachlor	0.432	0.454	0.414	0.439	0.442	0.425	0.434	3.21
39) T Methylcyclohexane	0.613	0.654	0.603	0.630	0.632	0.602	0.622	3.22
40) TM Benzene	1.344	1.458	1.305	1.348	1.355	1.295	1.351	4.29
41) T Methacrylonitrile	0.116	0.122	0.118	0.123	0.129	0.130	0.123	4.60
42) TM 1,2-Dichloroethan	0.370	0.395	0.343	0.363	0.363	0.346	0.363	5.17
43) T Isopropyl Acetate	0.416	0.389	0.372	0.385	0.411	0.394	0.394	4.19
44) TM Trichloroethene	0.378	0.417	0.361	0.376	0.377	0.364	0.379	5.30
45) C 1,2-Dichloropropa	0.326	0.361	0.312	0.329	0.332	0.319	0.330	5.18#
46) T Dibromomethane	0.160	0.172	0.152	0.159	0.163	0.155	0.160	4.39
47) T Bromodichlorometh	0.390	0.431	0.380	0.412	0.422	0.409	0.407	4.72
48) T Methyl methacryla	0.183	0.167	0.172	0.182	0.210	0.200	0.185	9.04
49) T 1,4-Dioxane	0.003	0.002	0.002	0.002	0.002	0.002	0.002	11.93
50) S Toluene-d8	1.142	1.274	1.042	1.175	1.153	1.120	1.151	6.56
51) T 4-Methyl-2-Pentan	0.206	0.195	0.188	0.194	0.207	0.197	0.198	3.80
52) CM Toluene	0.848	0.935	0.830	0.869	0.874	0.838	0.866	4.39#

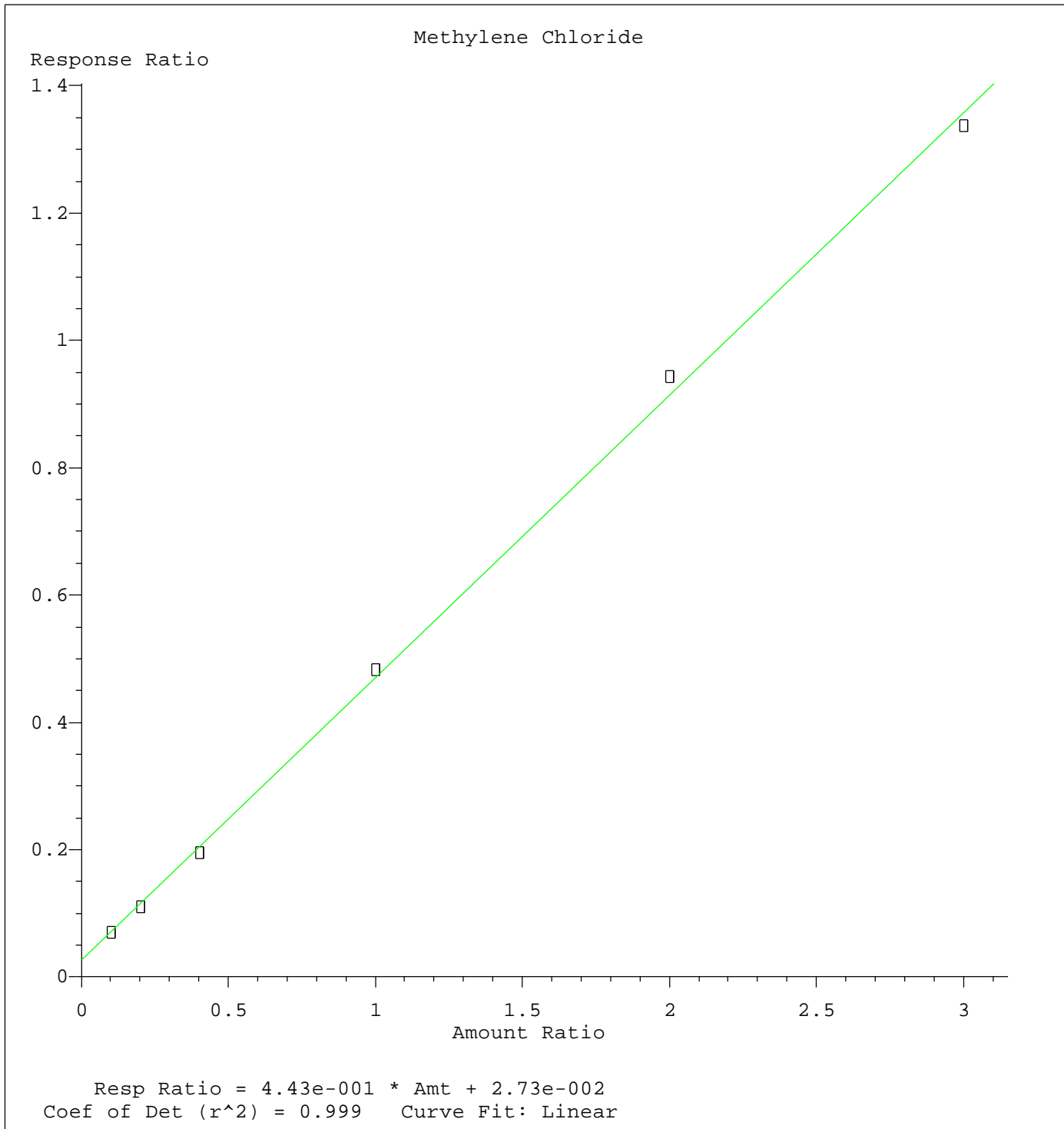
Method Path : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\
 Method File : 82W092019S.M
 Title : SW846 8260
 Last Update : Fri Sep 20 15:58:08 2019
 Response Via : Initial Calibration

Calibration Files

10 =VW013178.D 5 =VW013177.D 20 =VW013179.D
 50 =VW013180.D 100 =VW013181.D 150 =VW013182.D

	Compound	10	5	20	50	100	150	Avg	%RSD
53) T	t-1,3-Dichloropro	0.397	0.403	0.396	0.429	0.452	0.434	0.419	5.48
54) T	cis-1,3-Dichlorop	0.486	0.512	0.476	0.513	0.540	0.526	0.509	4.72
55) T	1,1,2-Trichloroet	0.241	0.253	0.230	0.236	0.243	0.233	0.239	3.56
56) T	Ethyl methacrylat	0.309	0.279	0.303	0.320	0.341	0.328	0.313	6.94
57) T	1,3-Dichloropropa	0.410	0.449	0.396	0.419	0.422	0.410	0.418	4.21
58) T	2-Chloroethyl Vin	0.139	0.142	0.134	0.153	0.154	0.148	0.145	5.51
59) T	2-Hexanone	0.141	0.125	0.131	0.134	0.145	0.140	0.136	5.48
60) T	Dibromochlorometh	0.260	0.272	0.253	0.275	0.289	0.281	0.272	4.82
61) T	1,2-Dibromoethane	0.228	0.240	0.217	0.223	0.233	0.224	0.228	3.45
62) S	4-Bromofluorobenz	0.390	0.442	0.352	0.397	0.396	0.382	0.393	7.42
63) I	Chlorobenzene-d5	-----ISTD-----							
64) T	Tetrachloroethene	0.396	0.414	0.356	0.377	0.376	0.357	0.379	5.96
65) PM	Chlorobenzene	1.041	1.148	1.007	1.029	1.042	0.998	1.044	5.17
66) T	1,1,1,2-Tetrachlo	0.345	0.368	0.344	0.361	0.370	0.352	0.357	3.14
67) C	Ethyl Benzene	1.896	1.981	1.820	1.921	1.910	1.823	1.892	3.26#
68) T	m/p-Xylenes	0.718	0.751	0.697	0.736	0.727	0.697	0.721	3.00
69) T	o-Xylene	0.675	0.701	0.643	0.677	0.679	0.648	0.670	3.21
70) T	Styrene	1.135	1.172	1.113	1.186	1.174	1.124	1.151	2.62
71) P	Bromoform	0.192	0.181	0.177	0.189	0.199	0.192	0.188	4.32
72) I	1,4-Dichlorobenzene-d	-----ISTD-----							
73) T	Isopropylbenzene	3.723	3.784	3.514	3.750	3.775	3.616	3.694	2.90
74) T	N-amyl acetate	0.816	0.772	0.768	0.834	0.878	0.850	0.820	5.32
75) P	1,1,2,2-Tetrachlo	0.651	0.654	0.575	0.605	0.623	0.599	0.618	5.02
76) T	1,2,3-Trichloropr	0.514	0.498	0.371	0.467	0.407	0.393	0.442	13.41
77) T	Bromobenzene	0.882	0.920	0.820	0.901	0.885	0.844	0.875	4.24
78) T	n-propylbenzene	4.300	4.473	4.124	4.423	4.414	4.207	4.323	3.17
79) T	2-Chlorotoluene	2.397	2.561	2.316	2.462	2.451	2.345	2.422	3.67
80) T	1,3,5-Trimethylbe	3.138	3.217	2.948	3.165	3.164	2.998	3.105	3.43
81) T	trans-1,4-Dichlor	0.191	0.169	0.186	0.199	0.220	0.216	0.197	9.71
82) T	4-Chlorotoluene	2.558	2.719	2.463	2.550	2.571	2.466	2.554	3.66
83) T	tert-Butylbenzene	2.751	2.809	2.623	2.792	2.755	2.620	2.725	3.05
84) T	1,2,4-Trimethylbe	3.138	3.192	2.994	3.149	3.108	2.956	3.090	3.02
85) T	sec-Butylbenzene	3.763	3.939	3.589	3.865	3.790	3.596	3.757	3.77
86) T	p-Isopropyltoluen	3.491	3.628	3.337	3.580	3.506	3.366	3.485	3.30
87) T	1,3-Dichlorobenze	1.691	1.807	1.613	1.697	1.694	1.606	1.685	4.32
88) T	1,4-Dichlorobenze	1.652	1.766	1.581	1.668	1.664	1.583	1.652	4.12
89) T	n-Butylbenzene	3.067	3.283	3.054	3.298	3.261	3.129	3.182	3.51
90) T	Hexachloroethane	0.572	0.580	0.544	0.606	0.619	0.592	0.585	4.52
91) T	1,2-Dichlorobenze	1.450	1.534	1.399	1.470	1.470	1.420	1.457	3.21
92) T	1,2-Dibromo-3-Chl	0.102	0.087	0.090	0.094	0.098	0.097	0.094	5.59
93) T	1,2,4-Trichlorobe	0.972	0.974	1.011	1.079	1.108	1.123	1.044	6.46
94) T	Hexachlorobutadie	0.704	0.776	0.700	0.716	0.698	0.692	0.714	4.35
95) T	Naphthalene	1.533	1.432	1.634	1.806	1.905	1.937	1.708	12.09
96) T	1,2,3-Trichlorobe	0.828	0.878	0.861	0.927	0.959	0.961	0.902	6.06

(#) = Out of Range



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Calibration Table Last Updated: Fri Sep 20 15:58:08 2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:40 AM

Quant Time: Sep 20 15:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	335814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	427372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	216312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	15396	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	
35) Dibromofluoromethane	7.88	113	15106	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.36%	
50) Toluene-d8	10.32	98	62695	5.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.94%	
62) 4-Bromofluorobenzene	12.62	95	21761	5.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10431	6.862	ug/l	100
3) Chloromethane	2.21	50	15149	7.820	ug/l	95
4) Vinyl Chloride	2.35	62	18559	7.330	ug/l	94
5) Bromomethane	2.77	94	11704	7.451	ug/l	97
6) Chloroethane	2.92	64	10645	6.891	ug/l	100
7) Trichlorofluoromethane	3.26	101	9351	5.505	ug/l	93
8) Diethyl Ether	3.68	74	8869	6.533	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16543	6.302	ug/l	98
10) Methyl Iodide	4.27	142	25543	7.442	ug/l	98
11) Tert butyl alcohol	5.20	59	7946m	33.787	ug/l	
12) 1,1-Dichloroethene	4.04	96	17111	6.993	ug/l	89
13) Acrolein	3.89	56	2977	13.975	ug/l	97
14) Allyl chloride	4.67	41	26720	5.955	ug/l	98
15) Acrylonitrile	5.38	53	17691	26.469	ug/l	97
16) Acetone	4.13	43	17531	24.636	ug/l	95
17) Carbon Disulfide	4.38	76	47600	8.835	ug/l	100
18) Methyl Acetate	4.68	43	9635	5.483	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	26068	5.680	ug/l	94
20) Methylene Chloride	4.91	84	23476	7.787	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	18731	7.125	ug/l	94
22) Diisopropyl ether	6.31	45	50372	5.488	ug/l	91
23) Vinyl Acetate	6.25	43	140041	25.661	ug/l	99
24) 1,1-Dichloroethane	6.21	63	30643	5.732	ug/l	99
25) 2-Butanone	7.18	43	25381	26.282	ug/l	99
26) 2,2-Dichloropropane	7.16	77	24802	6.646	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	19335	6.284	ug/l	90
28) Bromochloromethane	7.52	49	11261	5.028	ug/l	98
29) Tetrahydrofuran	7.53	42	14195	25.454	ug/l	99
30) Chloroform	7.68	83	31886	5.939	ug/l	96
31) Cyclohexane	7.95	56	35794	7.540	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	25050	5.657	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25922	6.387	ug/l	97
37) Ethyl Acetate	7.26	43	10323	4.999	ug/l #	89
38) Carbon Tetrachloride	8.06	117	22349	5.494	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Manual Integrations
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MMDadoda
 9/24/2019 5:28:40 AM

Quant Time: Sep 20 15:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32192	6.958	ug/l	94
40) Benzene	8.32	78	71751	6.332	ug/l	95
41) Methacrylonitrile	7.48	41	5981	4.445	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19427	5.319	ug/l	98
43) Isopropyl Acetate	8.43	43	19140	4.843	ug/l	95
44) Trichloroethene	9.09	130	20532	6.571	ug/l	89
45) 1,2-Dichloropropane	9.37	63	17783	6.017	ug/l	100
46) Dibromomethane	9.46	93	8468	5.966	ug/l	98
47) Bromodichloromethane	9.64	83	21209	5.419	ug/l	95
48) Methyl methacrylate	9.43	41	8196	4.409	ug/l	91
49) 1,4-Dioxane	9.47	88	2359	103.749	ug/l #	53
51) 4-Methyl-2-Pentanone	10.21	43	48007	23.627	ug/l	99
52) Toluene	10.38	92	46016	6.385	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	19852	5.017	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	25216	5.519	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	12466	5.785	ug/l	96
56) Ethyl methacrylate	10.65	69	13711	4.755	ug/l	90
57) 1,3-Dichloropropane	10.93	76	22084	5.792	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	35033	22.966	ug/l	98
59) 2-Hexanone	10.97	43	30816	21.896	ug/l	100
60) Dibromochloromethane	11.13	129	13377	5.197	ug/l	100
61) 1,2-Dibromoethane	11.23	107	11789	5.978	ug/l	99
64) Tetrachloroethene	10.86	164	17698	6.664	ug/l	94
65) Chlorobenzene	11.66	112	49060	6.283	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	15710	5.359	ug/l	97
67) Ethyl Benzene	11.73	91	84656	5.893	ug/l	100
68) m/p-Xylenes	11.84	106	64190	12.126	ug/l	97
69) o-Xylene	12.16	106	29947	6.051	ug/l	99
70) Styrene	12.18	104	50080	5.710	ug/l	100
71) Bromoform	12.35	173	7737	5.051	ug/l #	95
73) Isopropylbenzene	12.46	105	81858	5.620	ug/l	99
74) N-amyl acetate	12.27	43	16697	4.572	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	14141	5.616	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10765m	5.705	ug/l	
77) Bromobenzene	12.75	156	19907	5.866	ug/l	99
78) n-propylbenzene	12.80	91	96757	5.651	ug/l	98
79) 2-Chlorotoluene	12.89	91	55397	5.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	69583	5.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3658	4.386	ug/l	93
82) 4-Chlorotoluene	12.99	91	58821	5.713	ug/l	97
83) tert-Butylbenzene	13.21	119	60769	5.532	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	69038	5.665	ug/l	99
85) sec-Butylbenzene	13.38	105	85205	5.675	ug/l	99
86) p-Isopropyltoluene	13.50	119	78484	5.685	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39086	5.866	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	38190	5.846	ug/l	94
89) n-Butylbenzene	13.82	91	71009	5.483	ug/l	98
90) Hexachloroethane	14.10	117	12546	5.111	ug/l	95
91) 1,2-Dichlorobenzene	13.86	146	33176	5.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1886	4.164	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDICC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampleId :
 VSTDICC005

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:40 AM

Quant Time: Sep 20 15:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	21061	5.043	ug/l	100
94) Hexachlorobutadiene	15.23	225	16777	5.703	ug/l	98
95) Naphthalene	15.36	128	30972	4.473	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	19002	5.164	ug/l	94

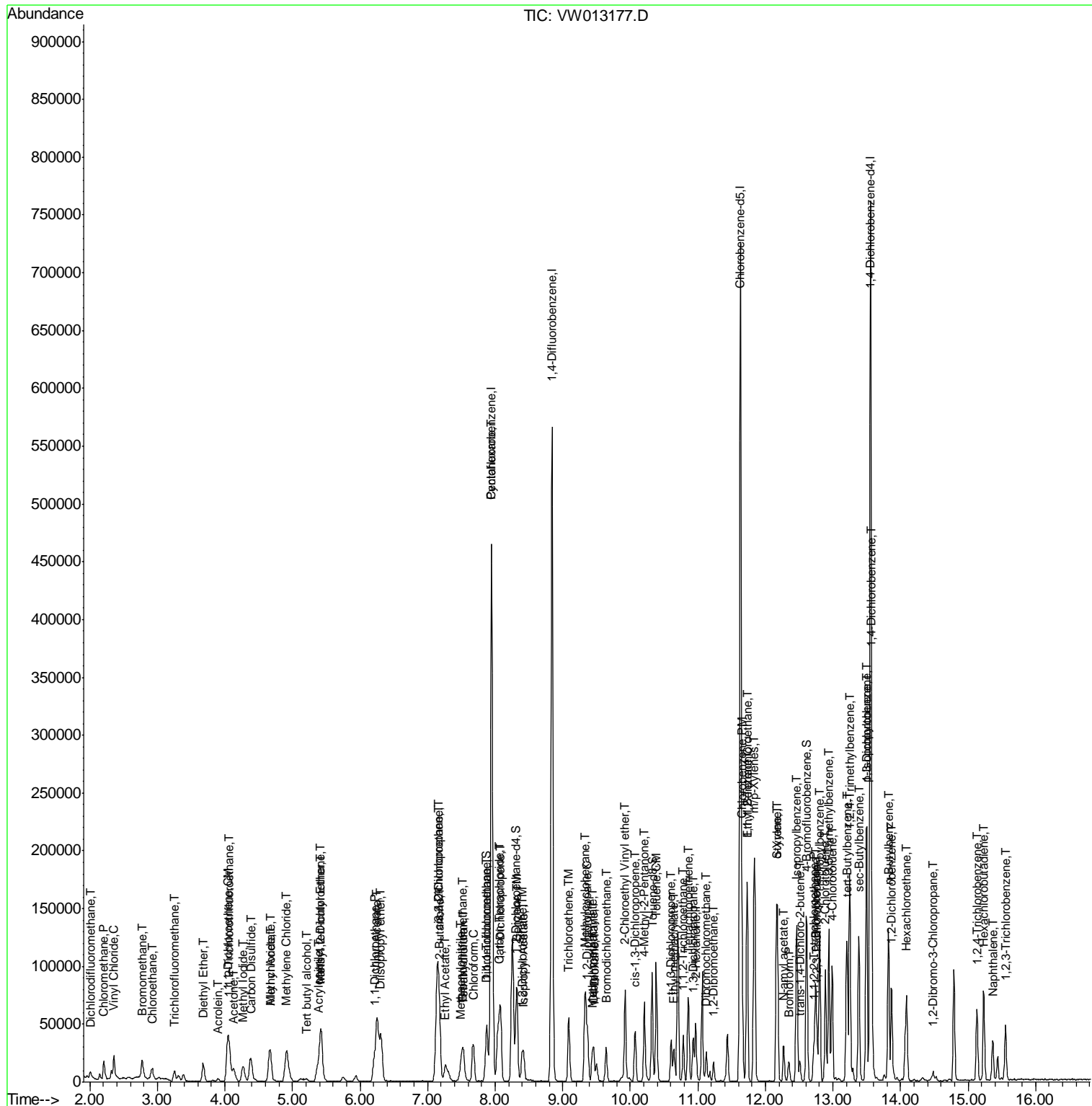
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

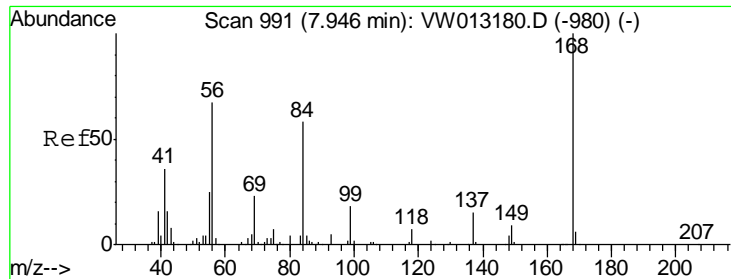
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC005

Manual Integrations
 APPROVED
 MMDadoda
 9/24/2019 5:28:40 AM

Quant Time: Sep 20 15:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration



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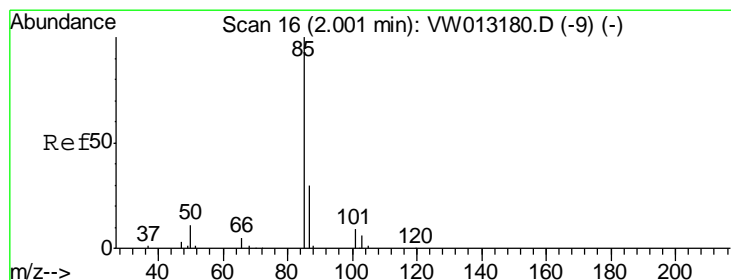
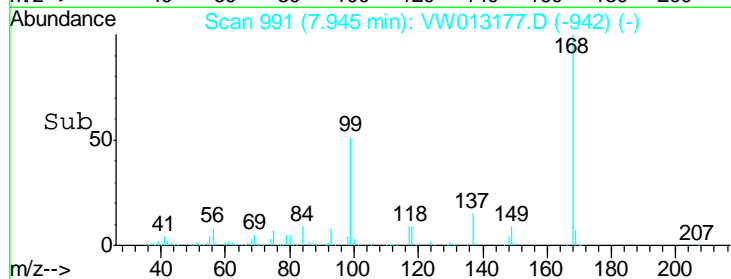
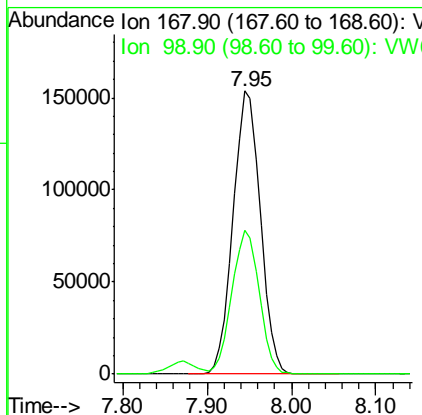
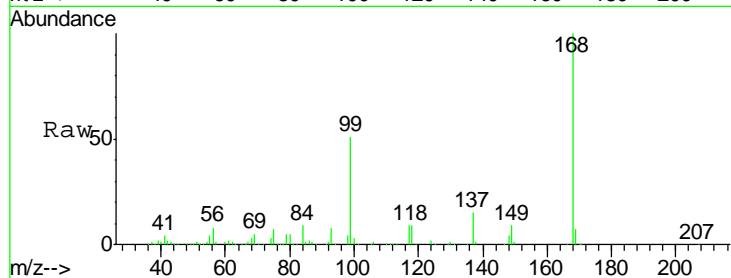
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.9	40.2	60.4

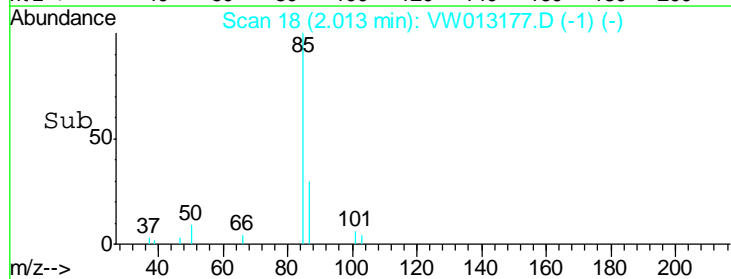
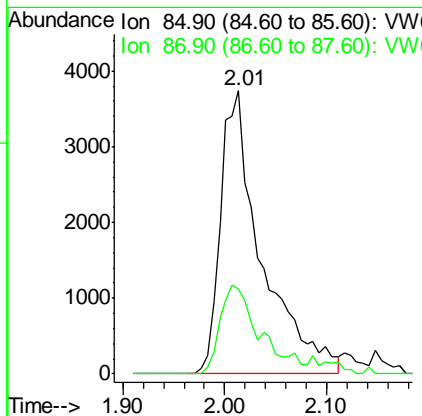
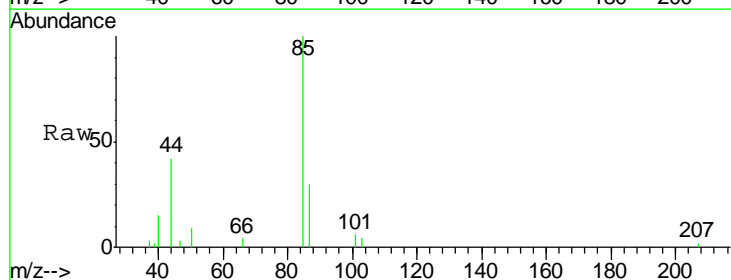
Manual Integrations
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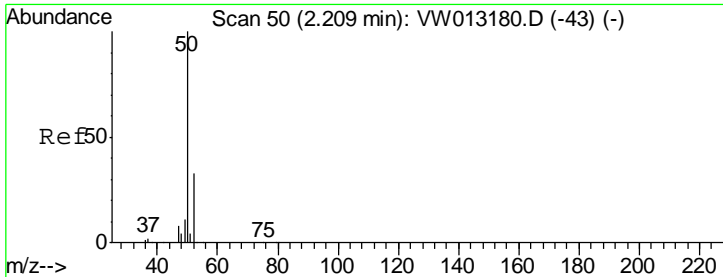
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 9/24/2019 5:28:40 AM



#2
 Dichlorodifluoromethane
 Concen: 6.862 ug/l
 RT: 2.01 min Scan# 18
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.1	15.1	45.3





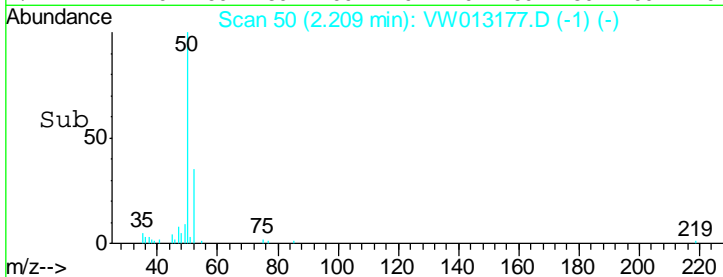
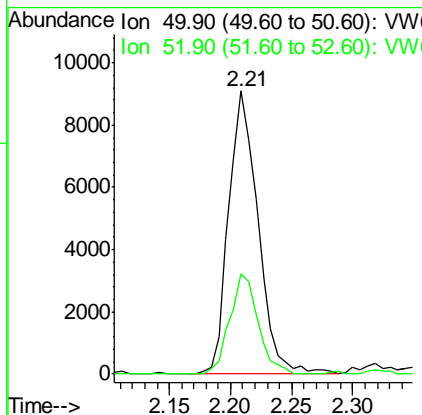
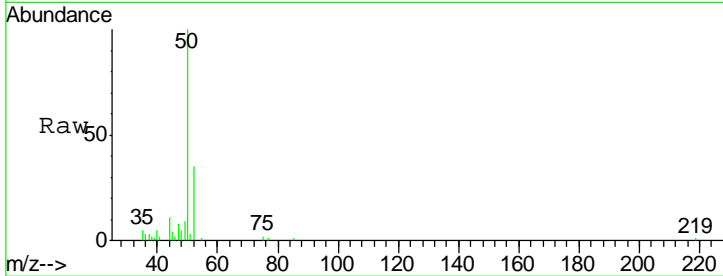
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 Chloromethane
 Concen: 7.820 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
50	15149		
52	35.3	26.1	39.1

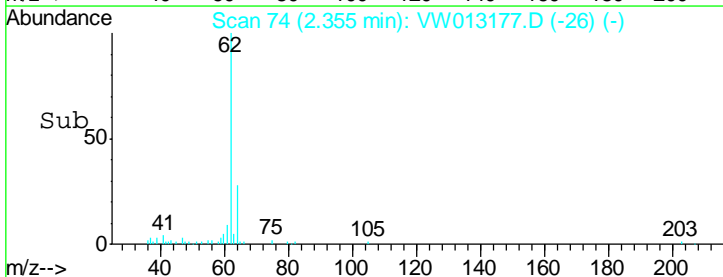
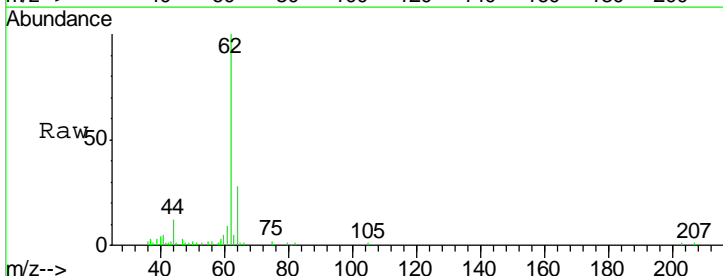
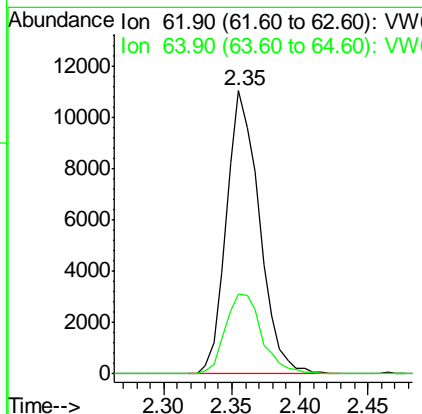
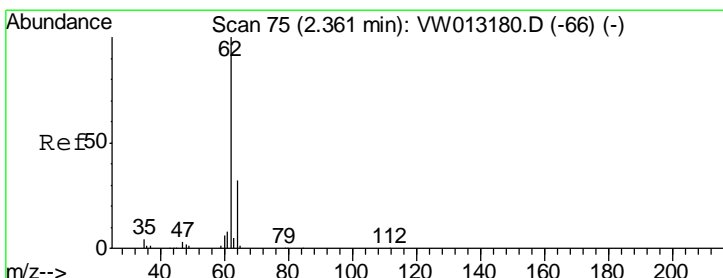
Manual Integrations
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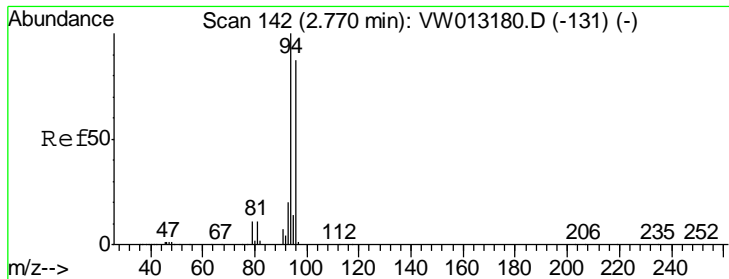
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#4
 Vinyl Chloride
 Concen: 7.330 ug/l
 RT: 2.35 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
62	18559		
64	28.3	25.3	37.9





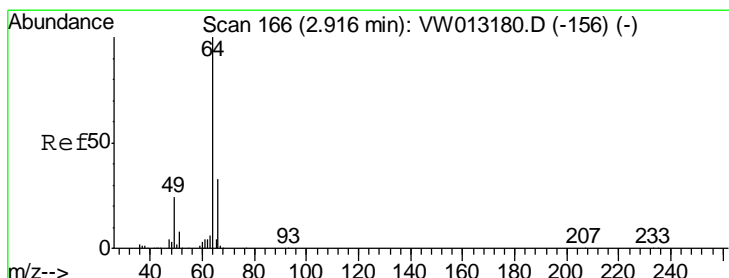
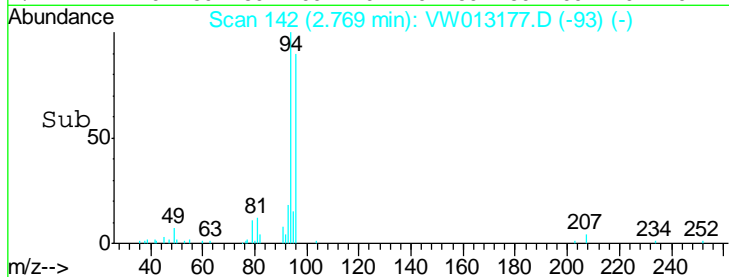
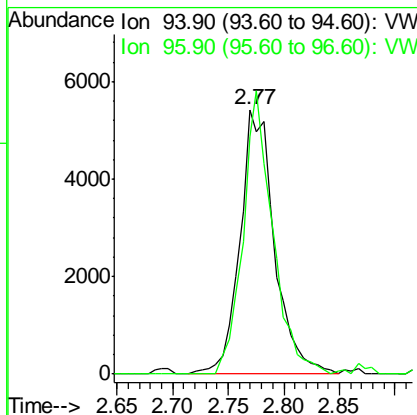
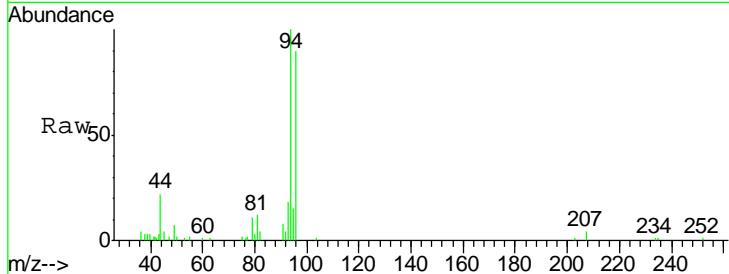
#5
 Bromomethane
 Concen: 7.451 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
94	100		
96	89.9	69.7	104.5

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

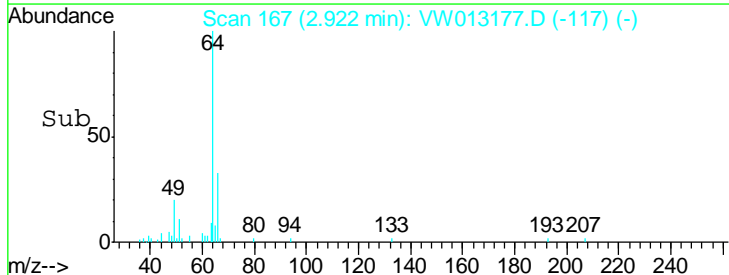
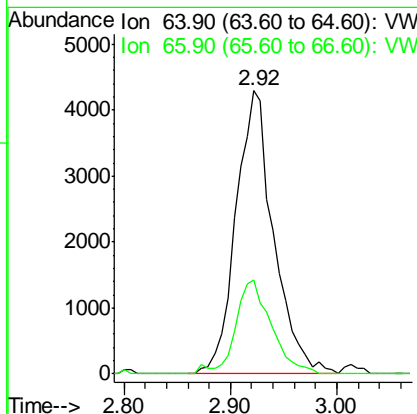
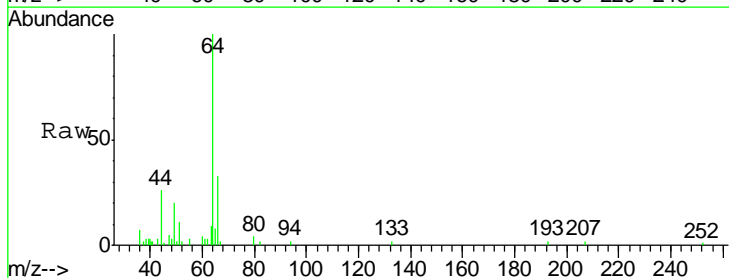
Manual Integrations
 APPROVED

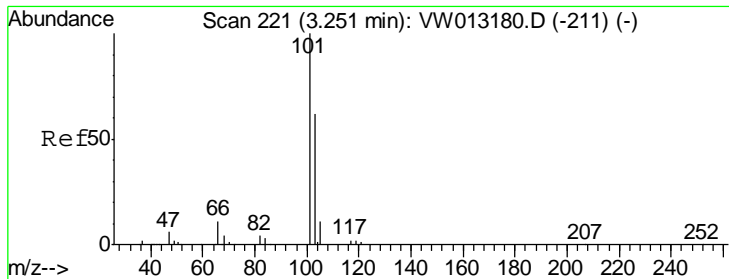
MMDadoda
 9/24/2019 5:28:40 AM



#6
 Chloroethane
 Concen: 6.891 ug/l
 RT: 2.92 min Scan# 167
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
64	100		
66	33.2	26.6	39.8





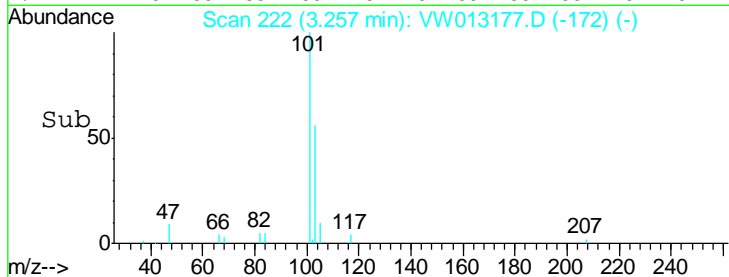
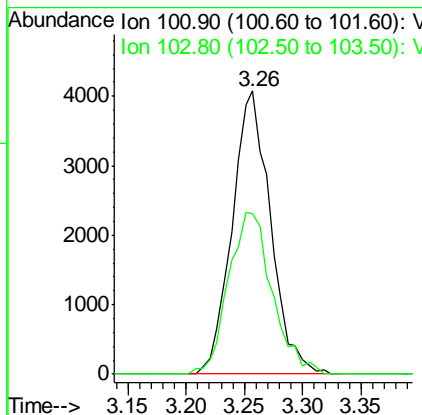
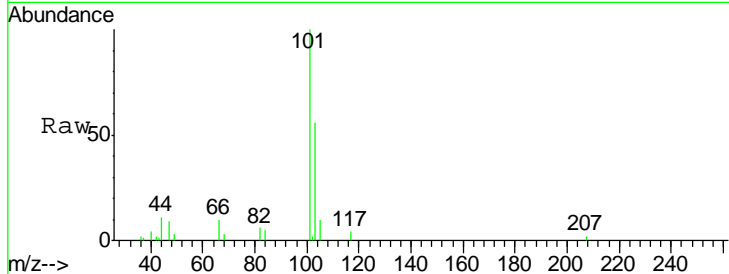
#7
 Trichlorofluoromethane
 Concen: 5.505 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	9351		
103	56.5	49.7	74.5

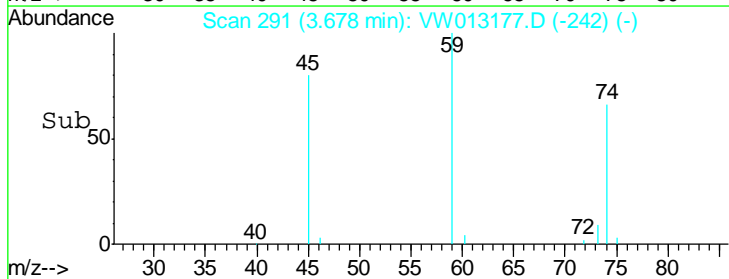
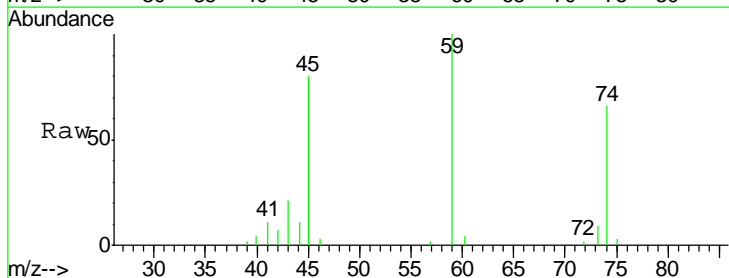
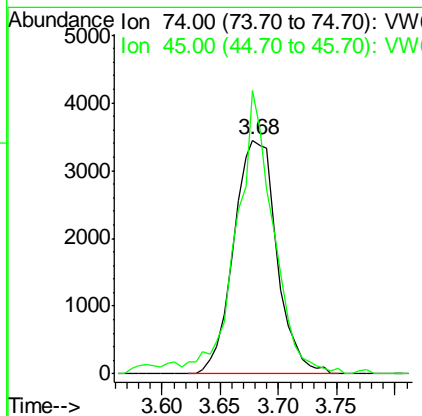
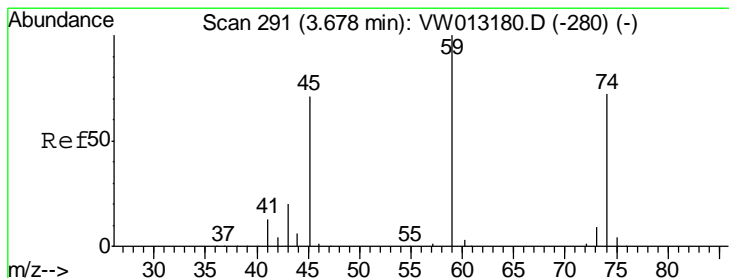
Manual Integrations
 APPROVED

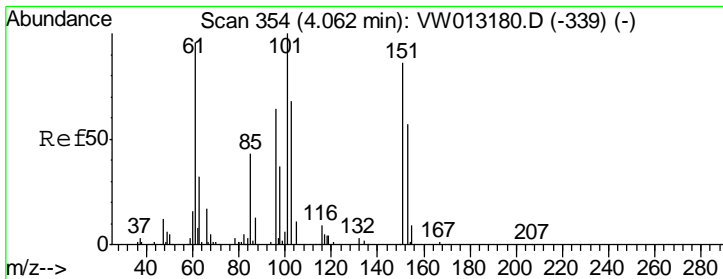
MMDadoda
 9/24/2019 5:28:40 AM



#8
 Diethyl Ether
 Concen: 6.533 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

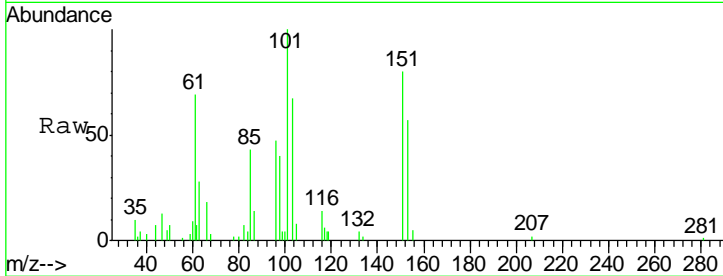
Tgt Ion	Resp	Lower	Upper
74	8869		
45	104.2	49.5	148.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.302 ug/l
 RT: 4.07 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

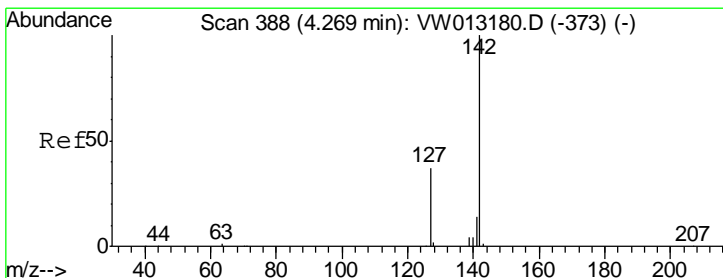
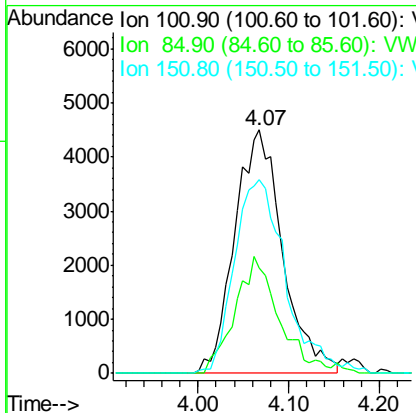
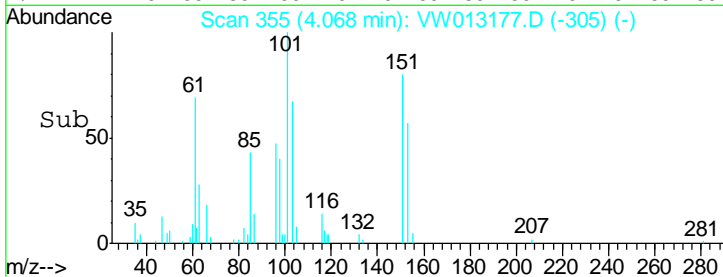


Tgt Ion: 101 Resp: 16543

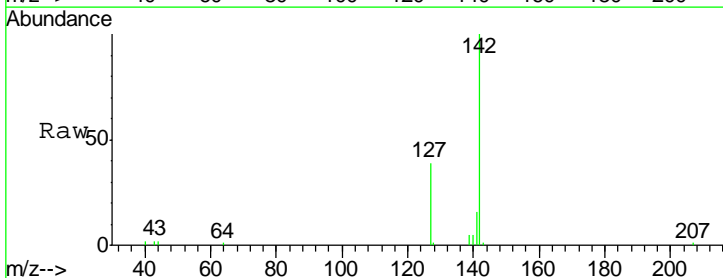
Ion	Ratio	Lower	Upper
101	100		
85	43.9	33.4	50.0
151	84.7	66.9	100.3

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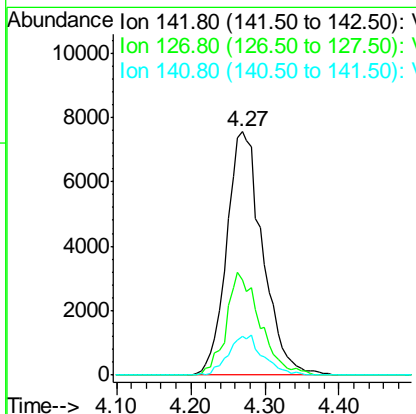
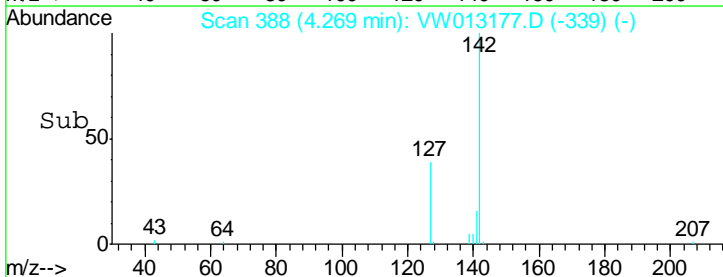


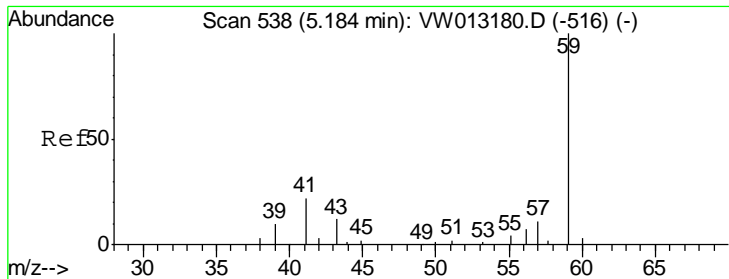
#10
 Methyl Iodide
 Concen: 7.442 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43



Tgt Ion: 142 Resp: 25543

Ion	Ratio	Lower	Upper
142	100		
127	39.5	30.9	46.3
141	15.7	11.7	17.5





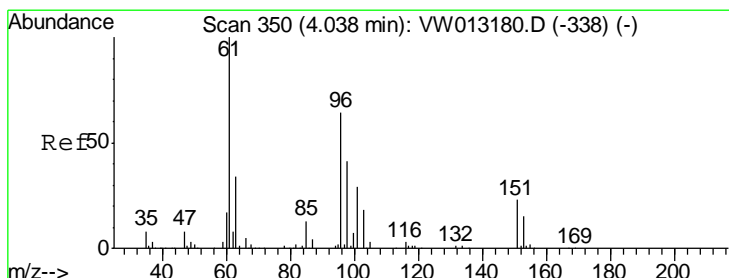
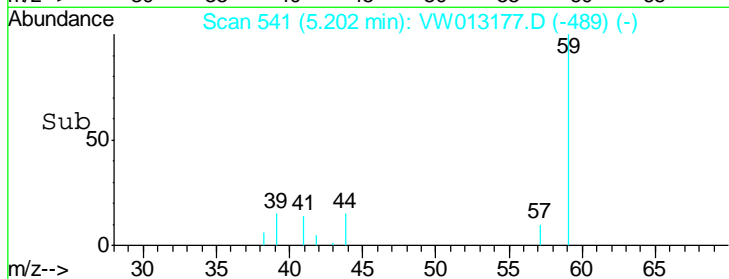
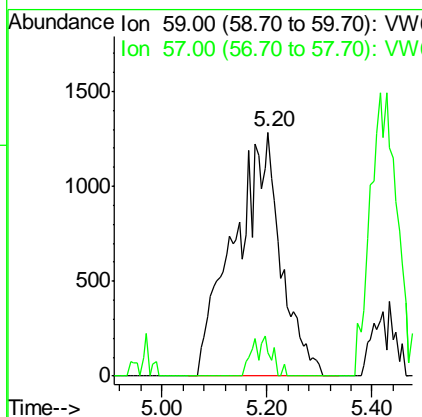
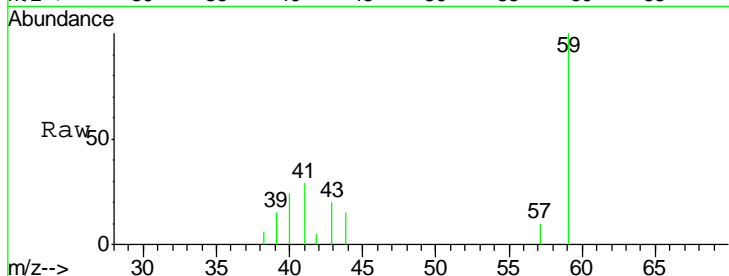
#11
 Tert butyl alcohol
 Concen: 33.787 ug/l m
 RT: 5.20 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
59	100		
57	2.8	8.2	12.2#

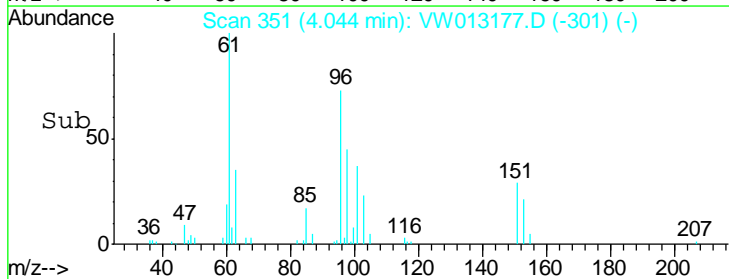
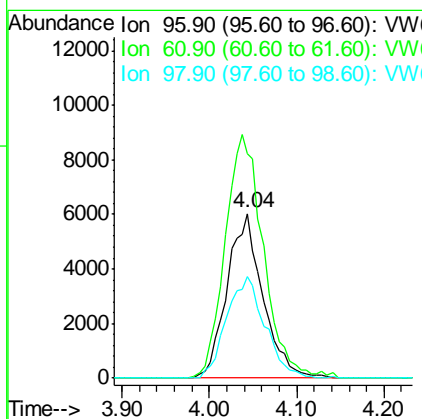
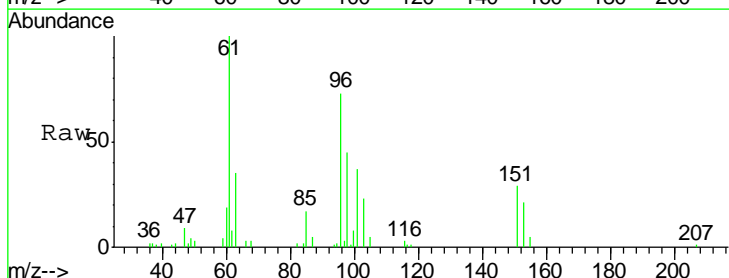
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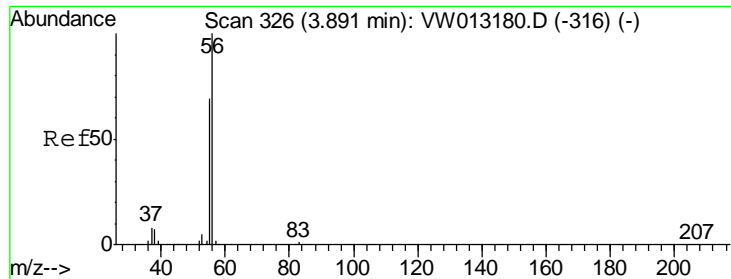
MMDadoda
 9/24/2019 5:28:40 AM



#12
 1,1-Dichloroethene
 Concen: 6.993 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
96	100		
61	137.0	125.1	187.7
98	61.8	50.8	76.2





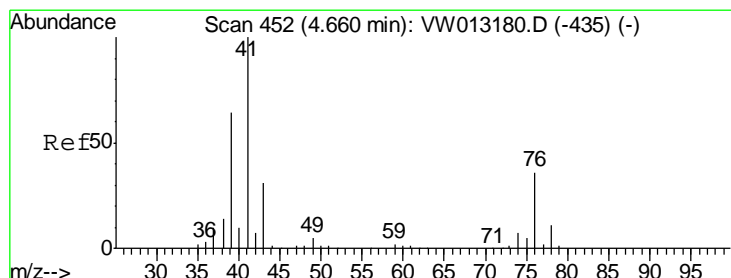
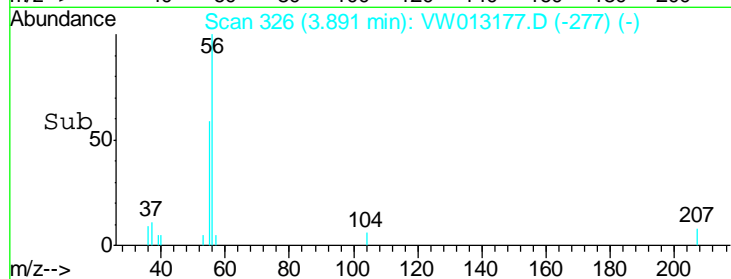
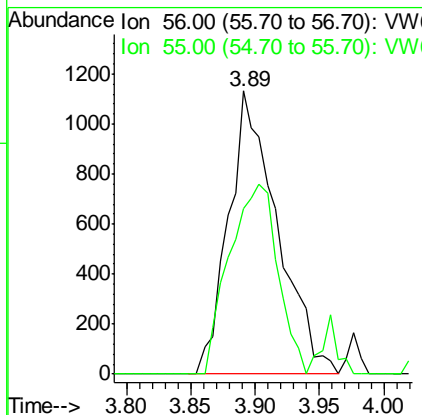
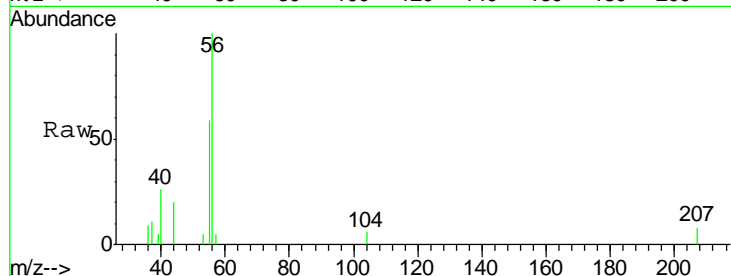
#13
 Acrolein
 Concen: 13.975 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
56	100		
55	66.8	55.4	83.0

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

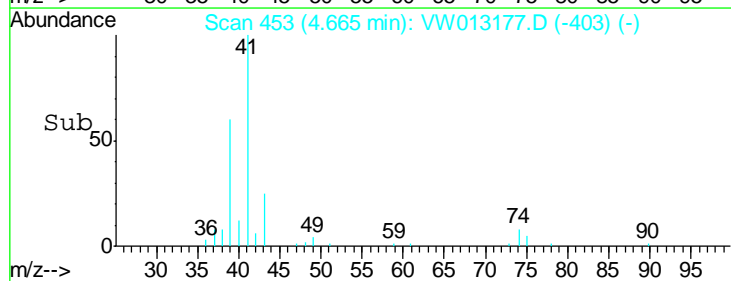
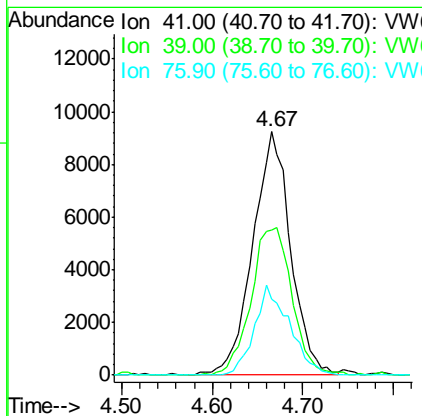
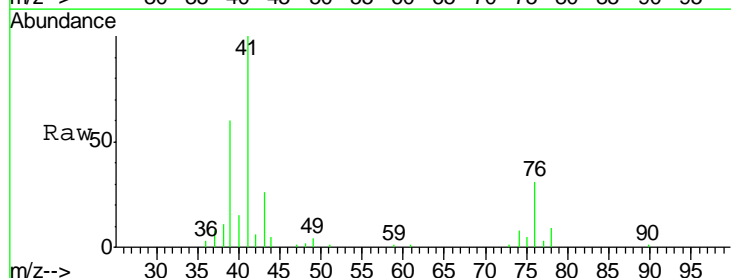
Manual Integrations
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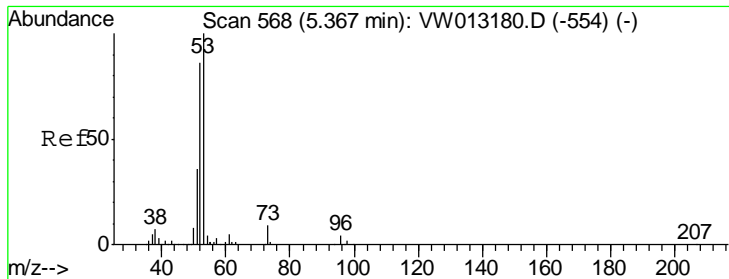
MMDadoda
 9/24/2019 5:28:40 AM



#14
 Allyl chloride
 Concen: 5.955 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

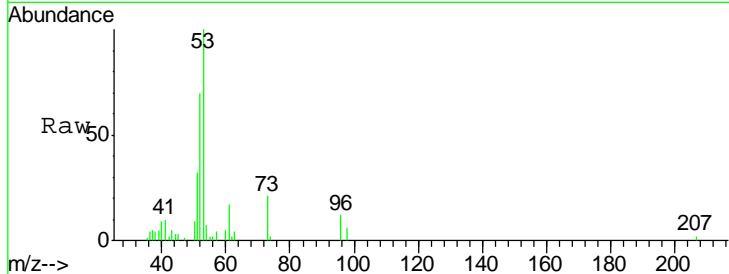
Tgt Ion	Resp	Lower	Upper
41	100		
39	65.4	51.0	76.4
76	34.1	28.4	42.6





#15
 Acrylonitrile
 Concen: 26.469 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

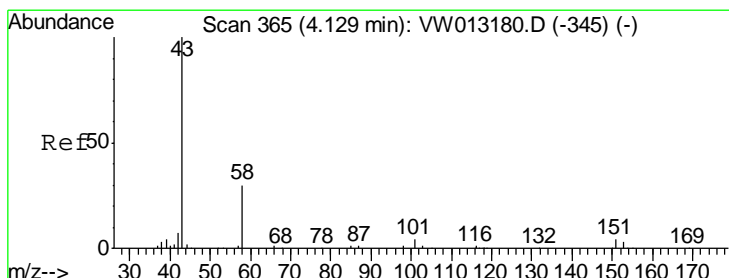
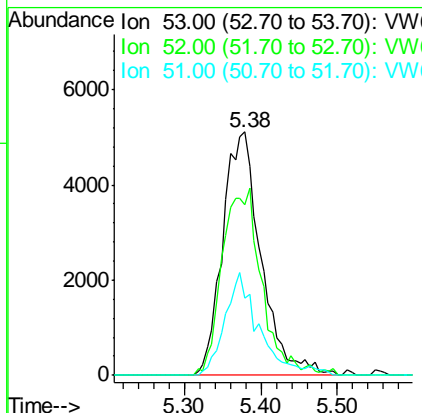
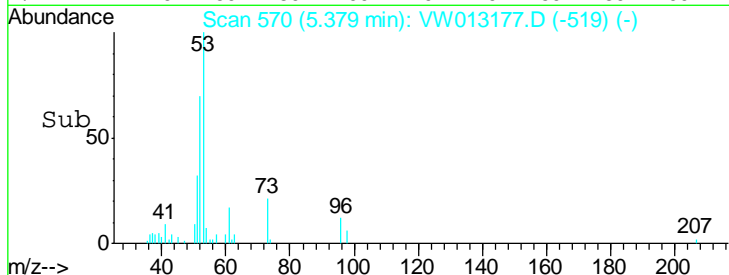
Instrument : MSVOA_W
 Client Sampled : VSTDIC005



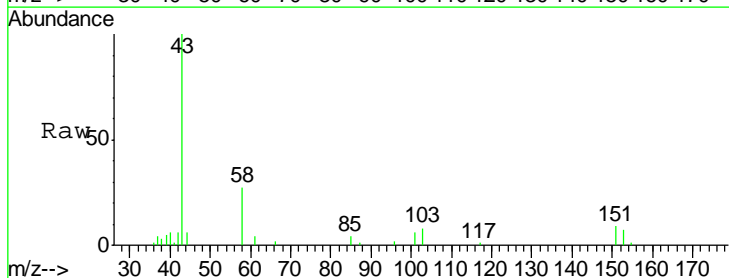
Tgt Ion	Resp	Lower	Upper
53	17691		
52	77.7	65.3	97.9
51	36.9	29.0	43.4

Manual Integrations
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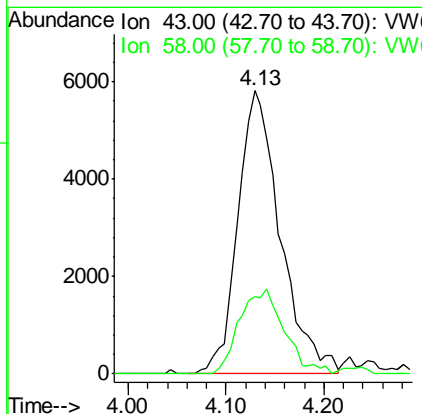
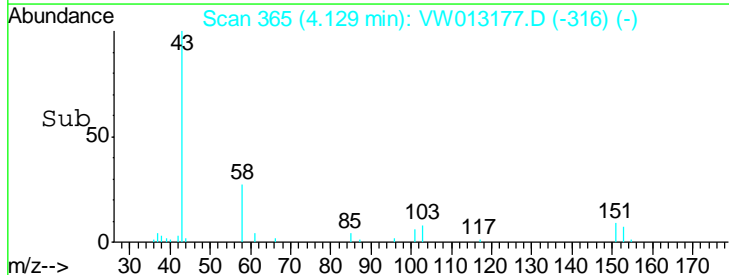
MMDadoda
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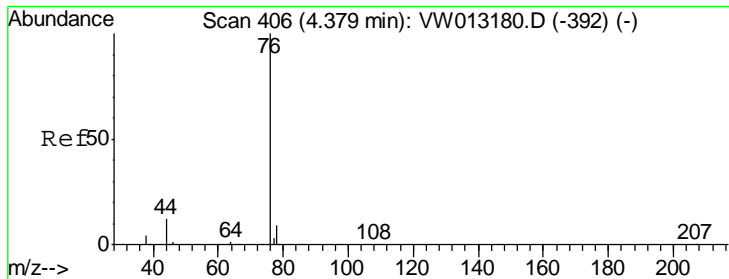


#16
 Acetone
 Concen: 24.636 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43



Tgt Ion	Resp	Lower	Upper
43	17531		
58	27.1	24.1	36.1





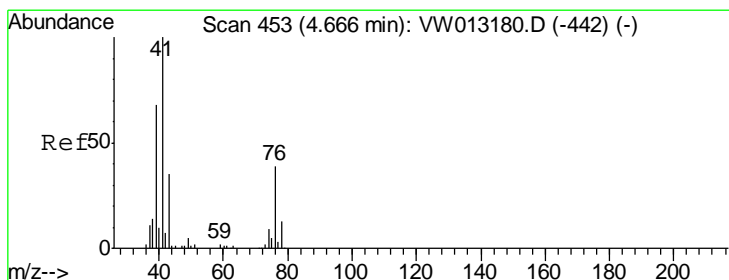
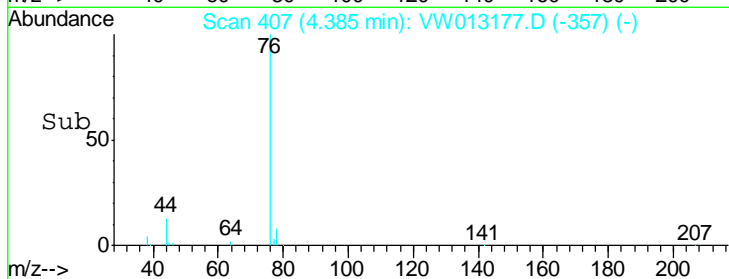
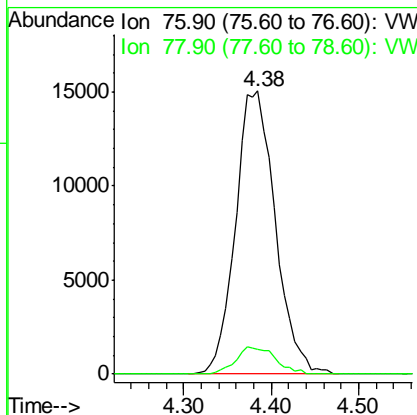
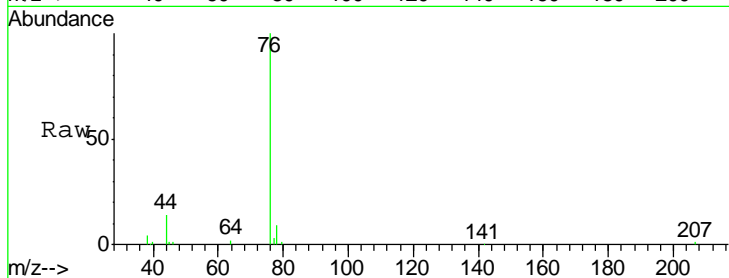
#17
 Carbon Disulfide
 Concen: 8.835 ug/l
 RT: 4.38 min Scan# 407
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	47600		
76	100		
78	8.8	7.0	10.4

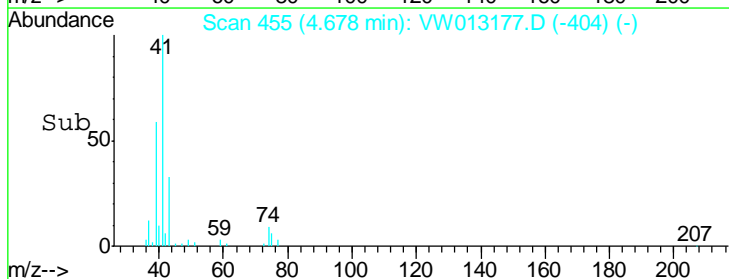
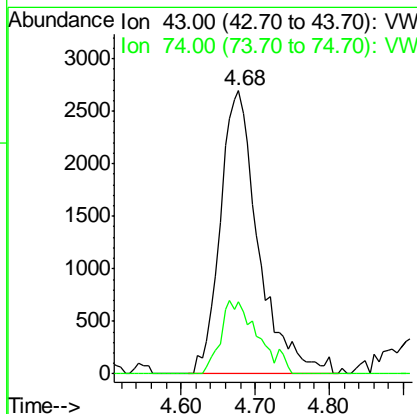
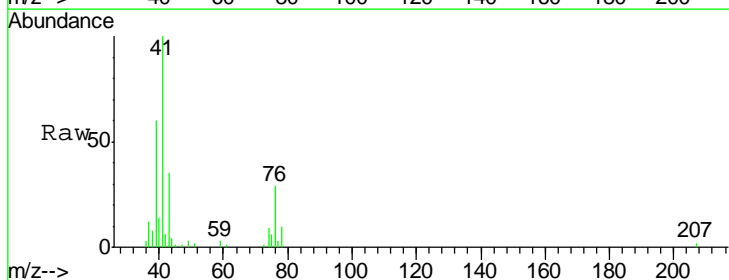
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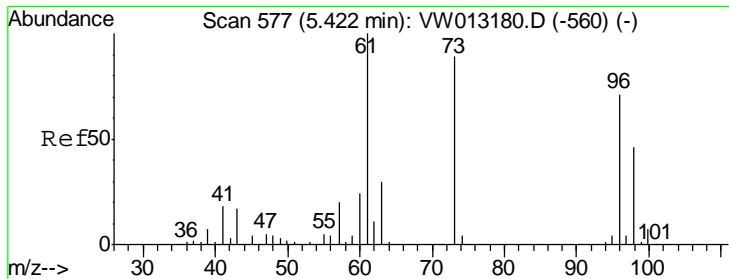
MMDadoda
 9/24/2019 5:28:40 AM



#18
 Methyl Acetate
 Concen: 5.483 ug/l
 RT: 4.68 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
43	9635		
43	100		
74	23.5	19.3	28.9



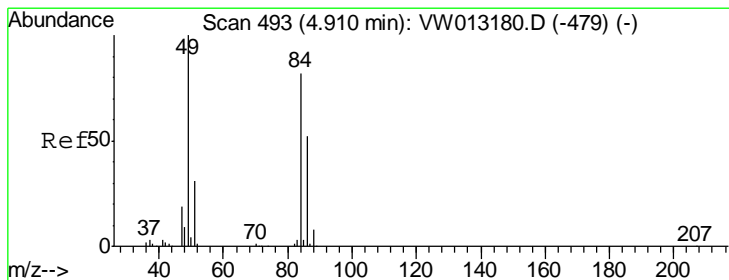
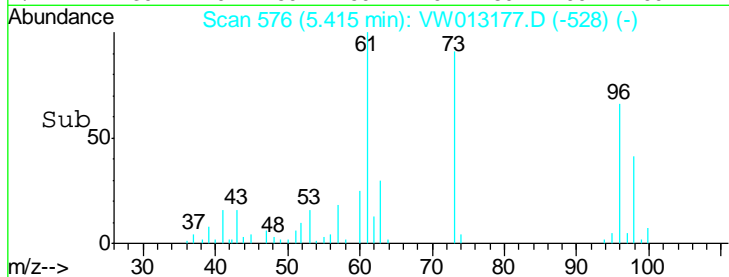
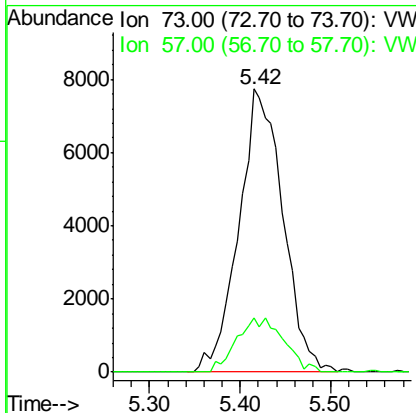
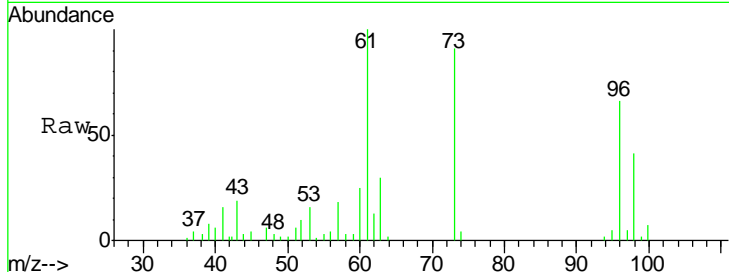


#19
 Methyl tert-butyl Ether
 Concen: 5.680 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
73	26068		
73	100		
57	19.3	17.6	26.4

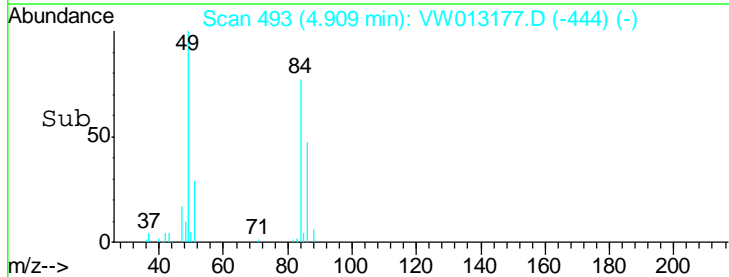
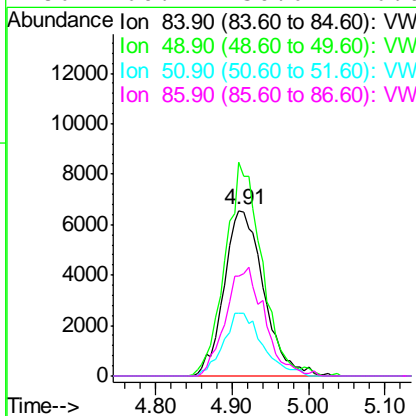
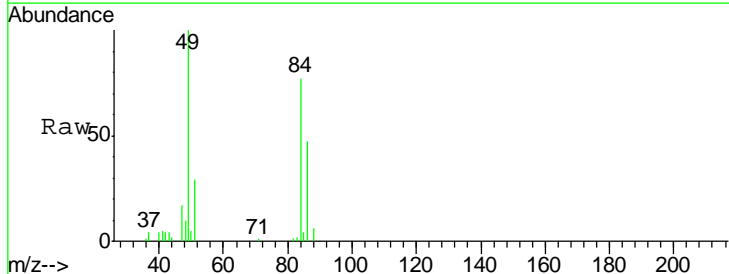
Instrument : MSVOA_W
 ClientSampled : VSTDIC005

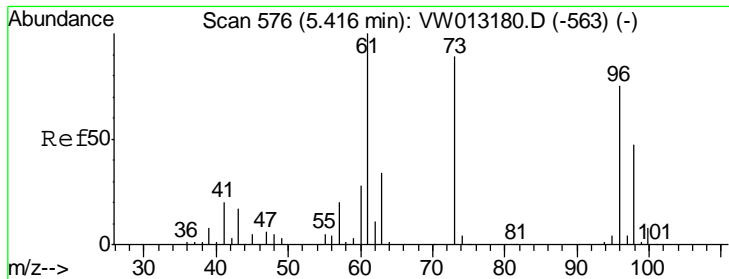
Manual Integrations APPROVED
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#20
 Methylene Chloride
 Concen: 7.787 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
84	23476		
84	100		
49	129.2	97.6	146.4
51	37.6	30.2	45.2
86	60.1	50.6	76.0





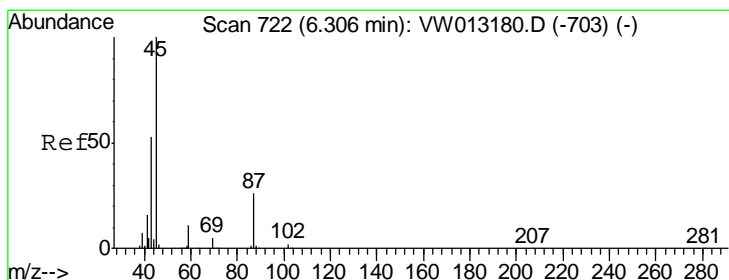
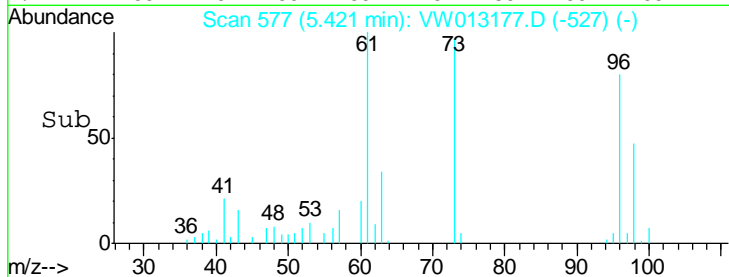
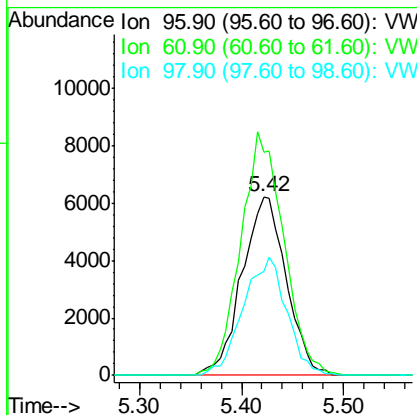
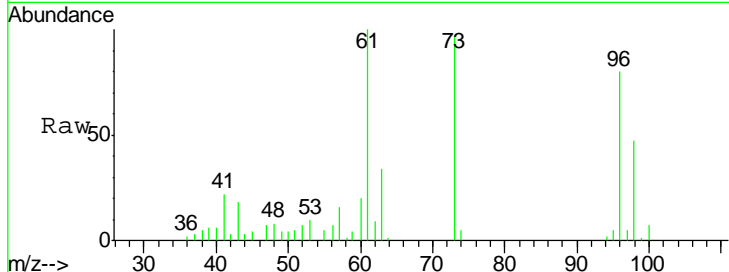
#21
 trans-1,2-Dichloroethene
 Concen: 7.125 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	18731		
96	100		
61	124.8	106.6	159.8
98	58.5	49.8	74.8

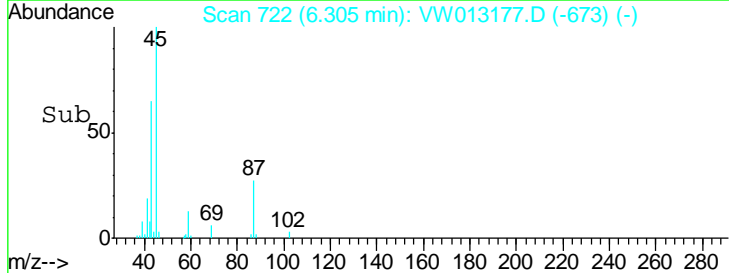
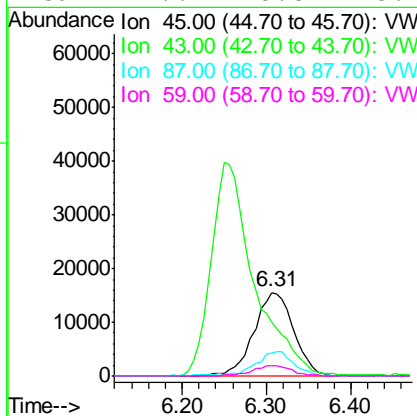
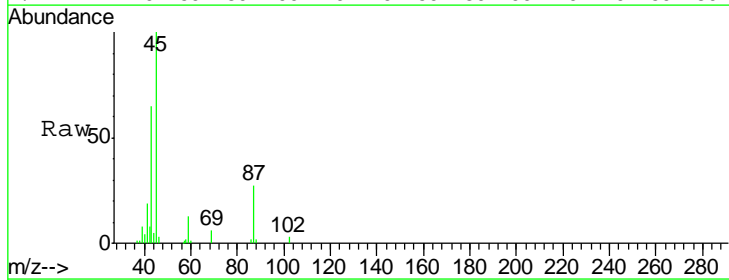
Manual Integrations
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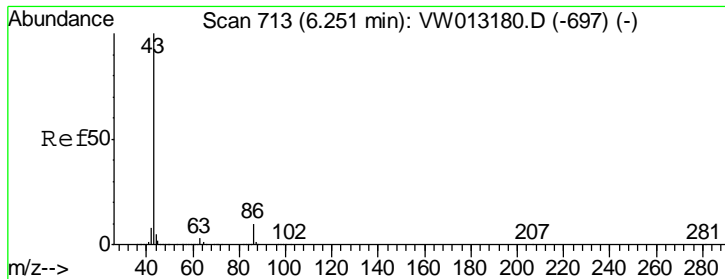
MMDadoda
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#22
 Diisopropyl ether
 Concen: 5.488 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
45	50372		
45	100		
43	62.6	42.4	63.6
87	26.9	20.4	30.6
59	12.6	8.8	13.2





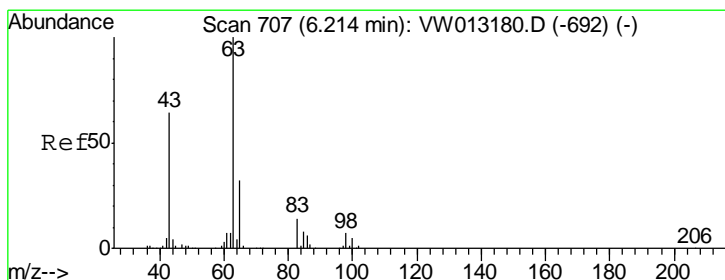
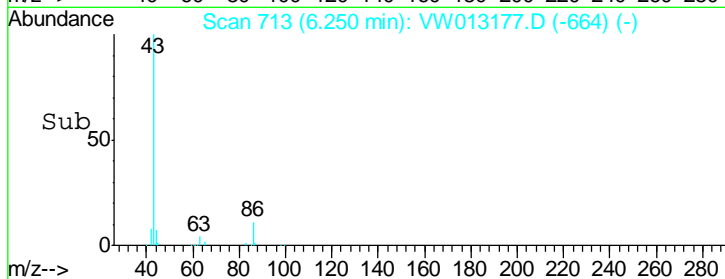
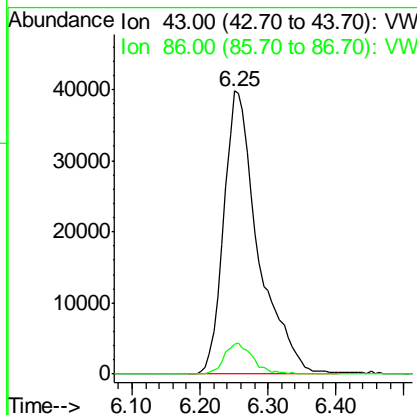
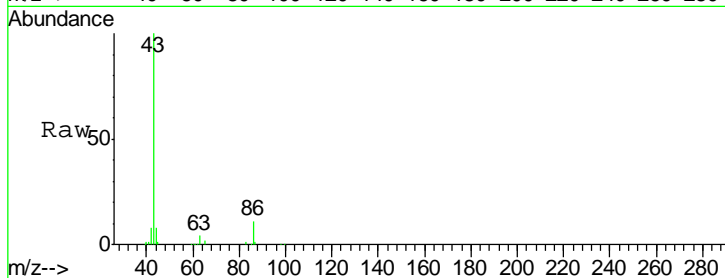
#23
 Vinyl Acetate
 Concen: 25.661 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.3	12.5

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

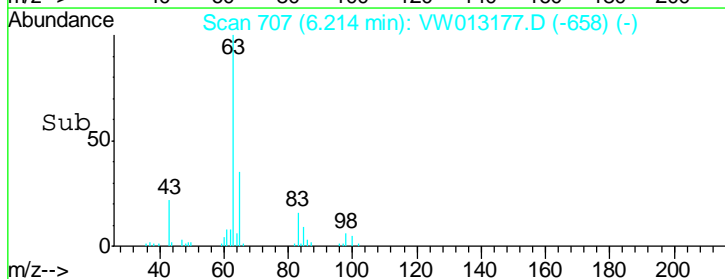
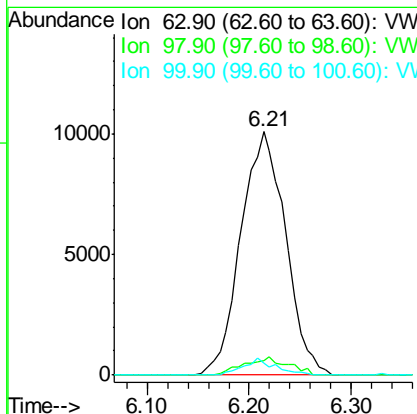
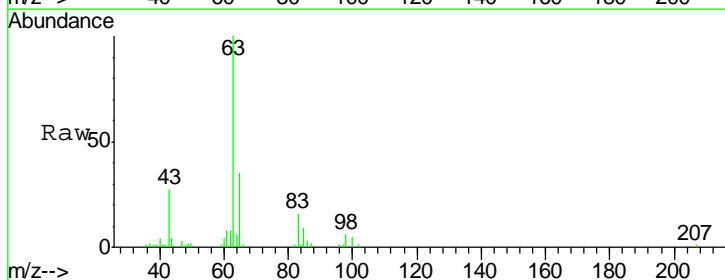
Manual Integrations APPROVED

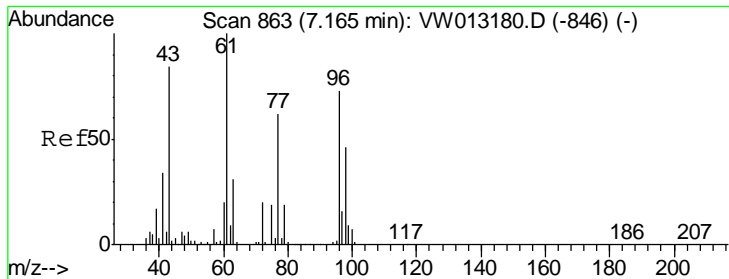
MMDadoda
 9/24/2019 5:28:40 AM



#24
 1,1-Dichloroethane
 Concen: 5.732 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.5
100	4.7	2.4	7.1





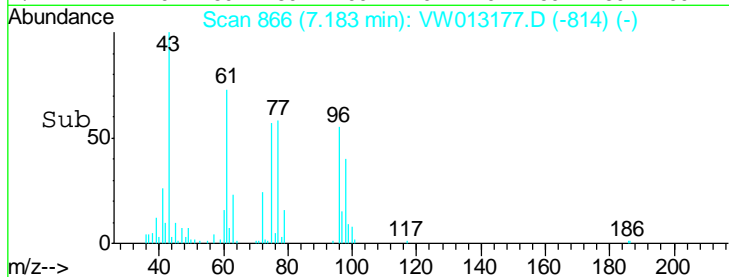
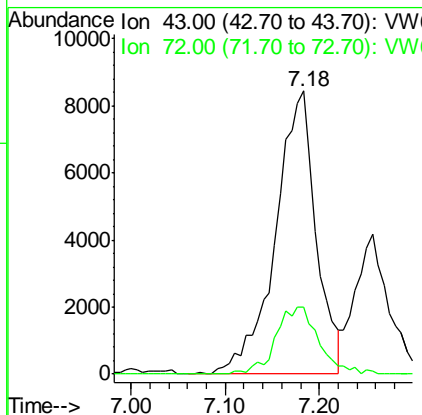
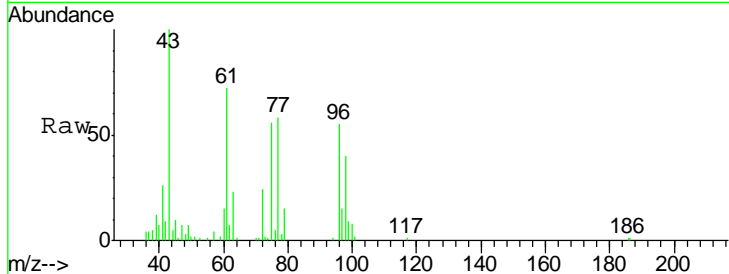
#25
 2-Butanone
 Concen: 26.282 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.02 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.7	19.4	29.0

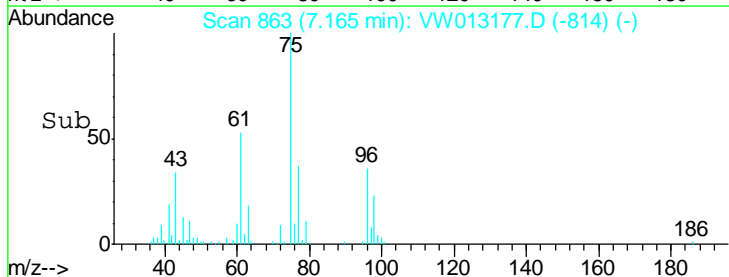
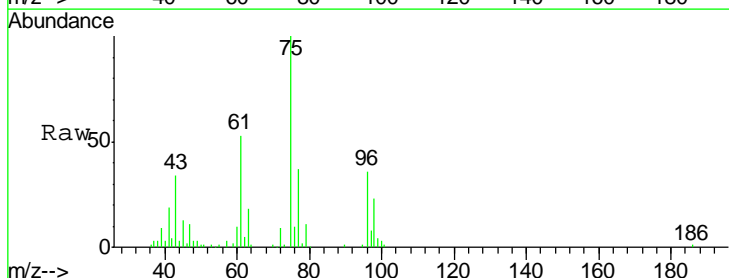
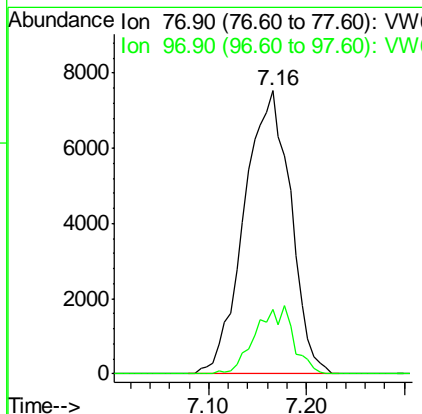
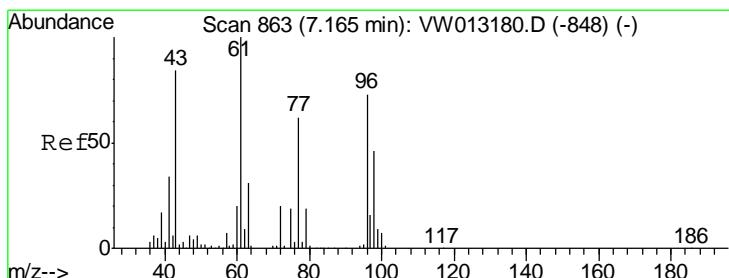
Manual Integrations
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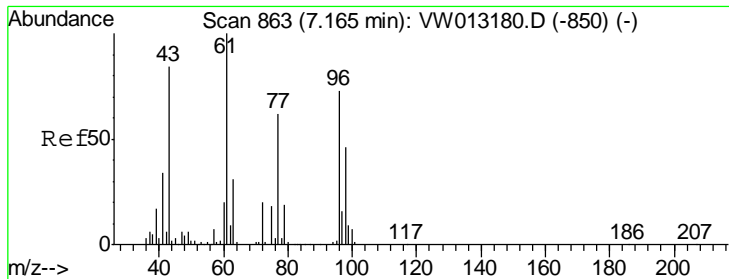
MMDadoda
 9/24/2019 5:28:40 AM



#26
 2,2-Dichloropropane
 Concen: 6.646 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
77	100		
97	19.5	11.8	35.4





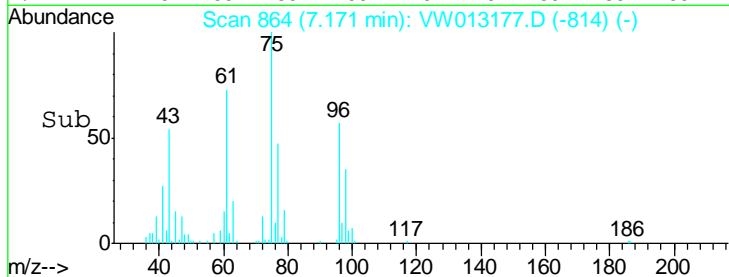
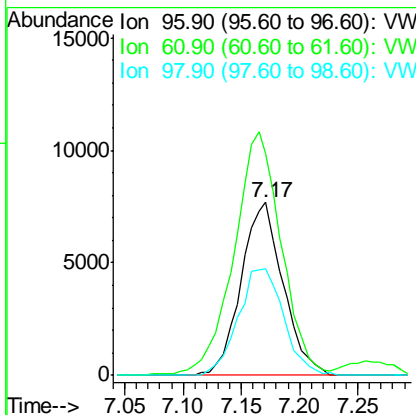
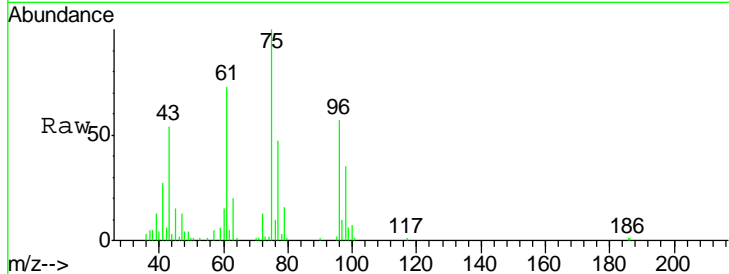
#27
 cis-1,2-Dichloroethene
 Concen: 6.284 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	19335		
96	100		
61	157.9	0.0	282.4
98	66.6	0.0	128.2

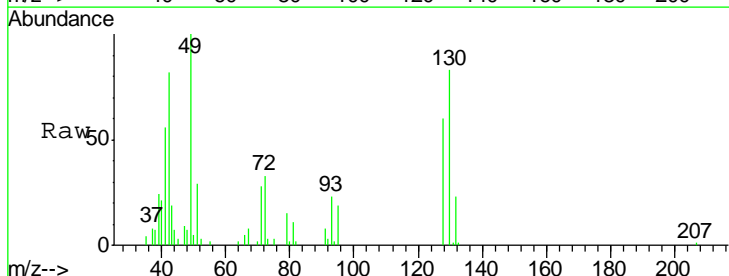
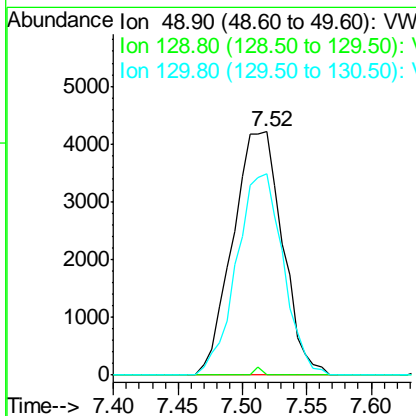
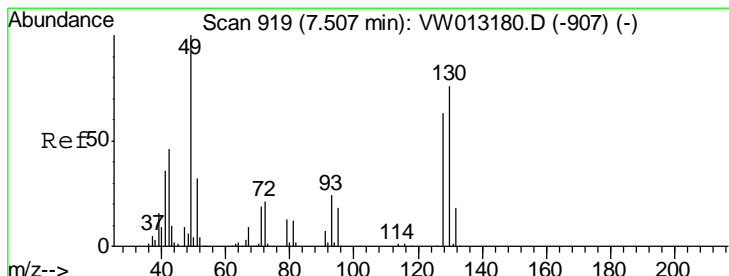
Manual Integrations
APPROVED

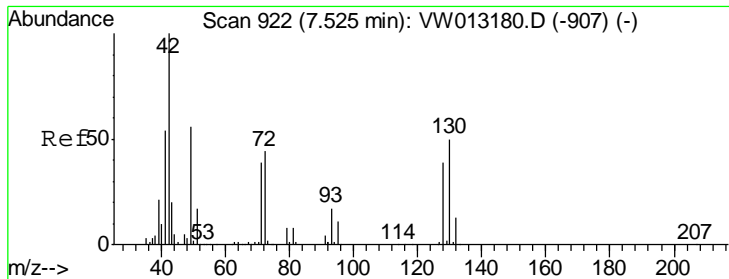
MMDadoda
 9/24/2019 5:28:40 AM



#28
 Bromochloromethane
 Concen: 5.028 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
49	11261		
49	100		
129	0.4	0.0	1.0
130	77.6	63.4	95.2





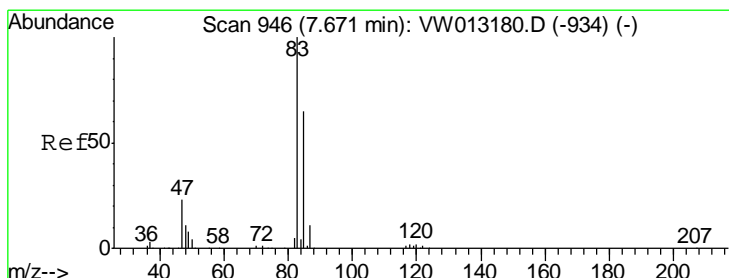
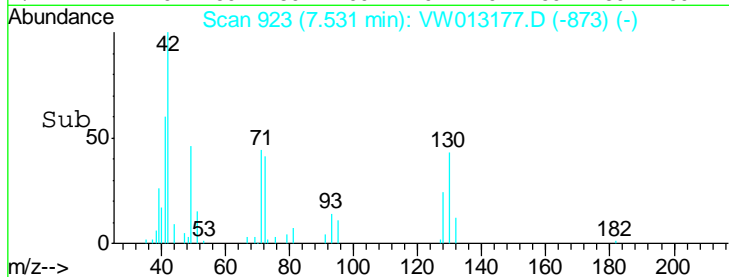
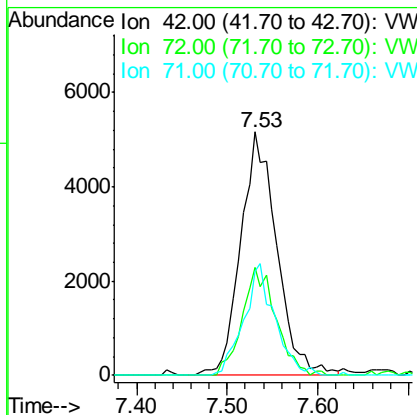
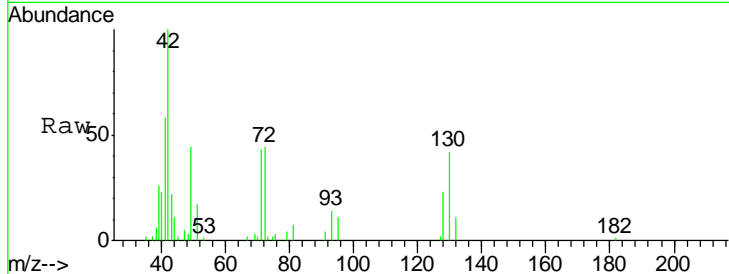
#29
 Tetrahydrofuran
 Concen: 25.454 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
42	14195		
72	41.5	33.9	50.9
71	39.4	31.9	47.9

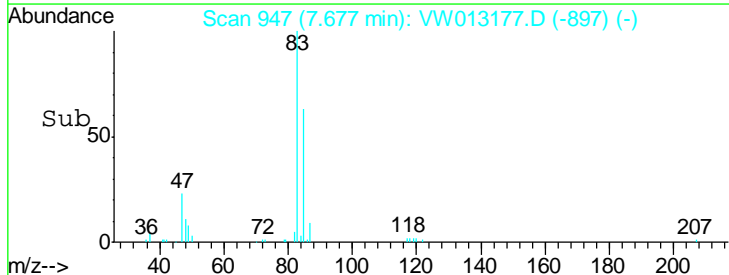
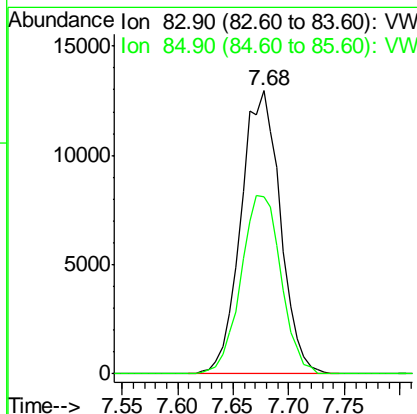
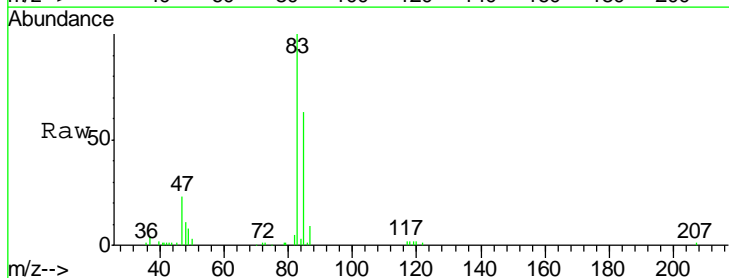
Manual Integrations
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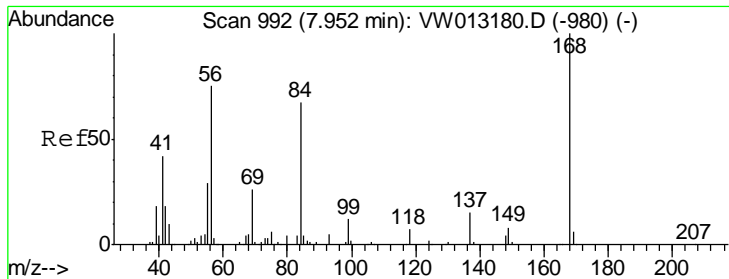
MMDadoda
 9/24/2019 5:28:40 AM



#30
 Chloroform
 Concen: 5.939 ug/l
 RT: 7.68 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
83	31886		
85	62.5	52.3	78.5





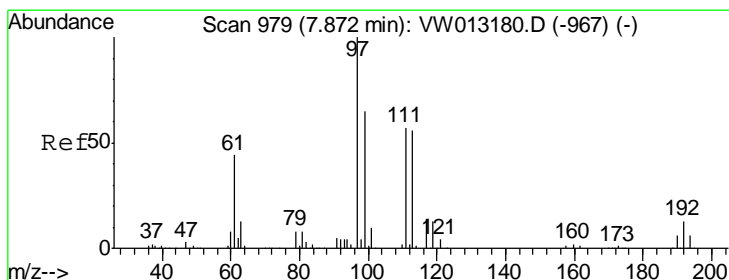
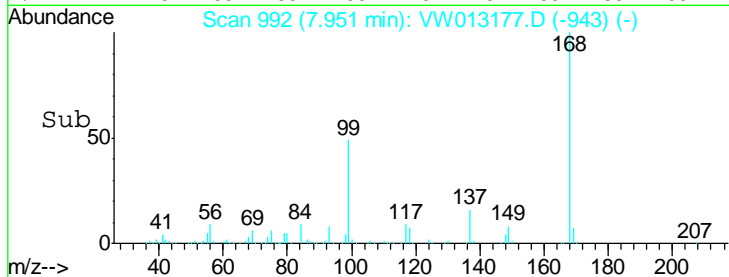
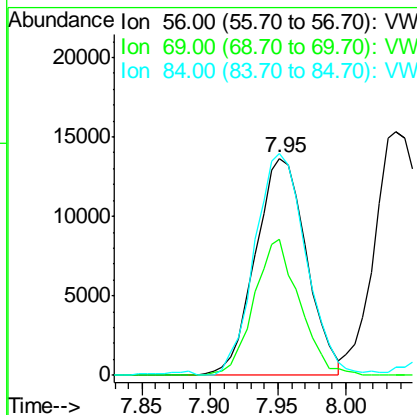
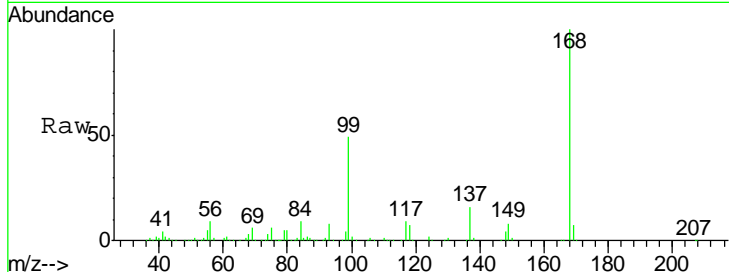
#31
 Cyclohexane
 Concen: 7.540 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	35794		
56	100		
69	62.8	27.2	40.8#
84	100.9	70.8	106.2

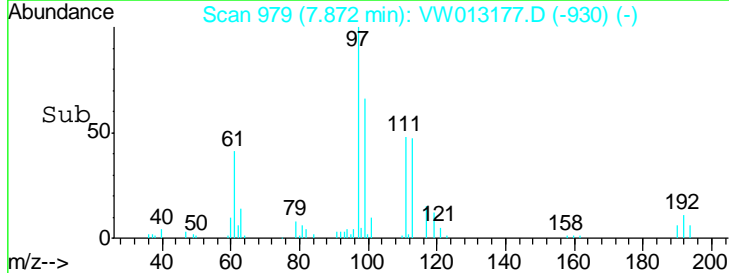
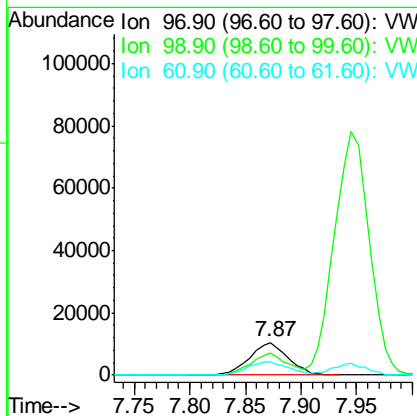
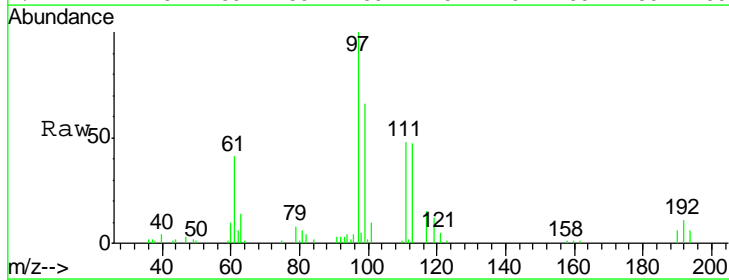
Manual Integrations
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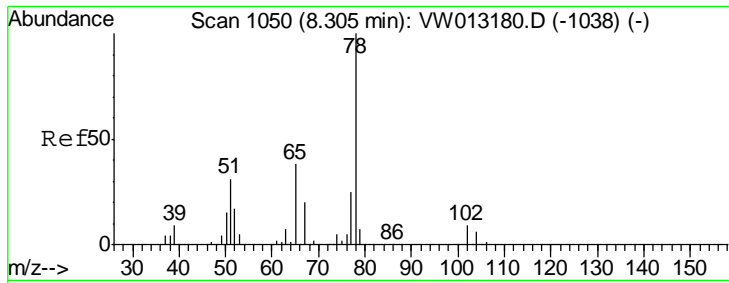
MMDadoda
 9/24/2019 5:28:40 AM



#32
 1,1,1-Trichloroethane
 Concen: 5.657 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
97	25050		
97	100		
99	65.6	51.7	77.5
61	43.9	34.6	51.8





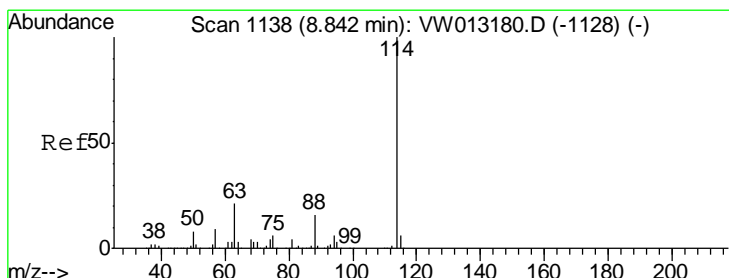
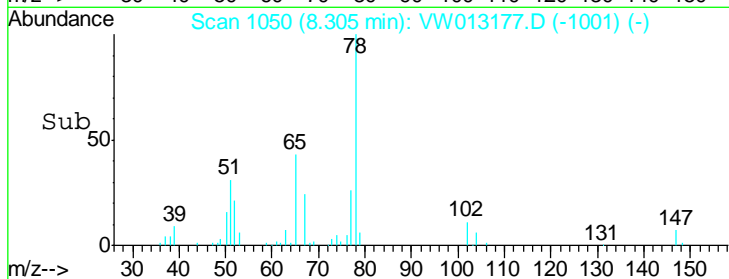
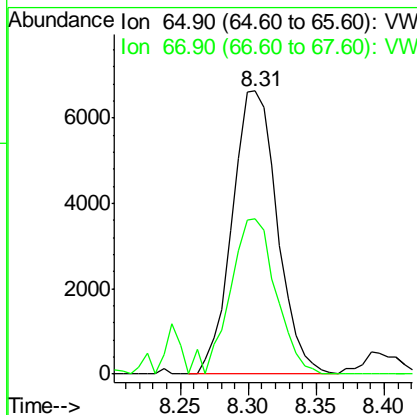
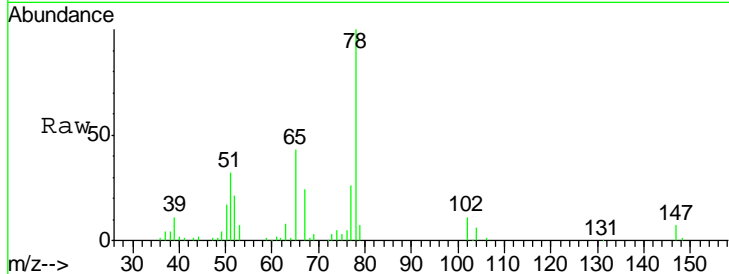
#33
 1,2-Dichloroethane-d4
 Concen: 5.095 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
65	15396		
65	100		
67	55.9	0.0	106.2

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

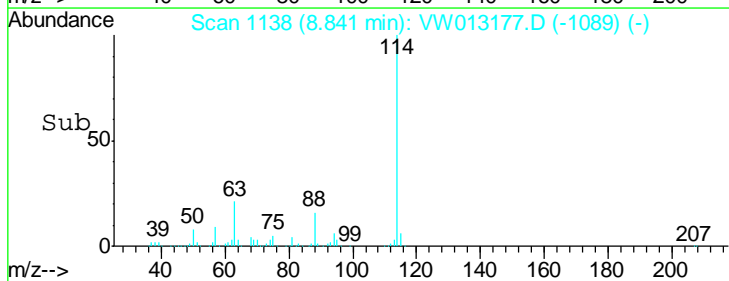
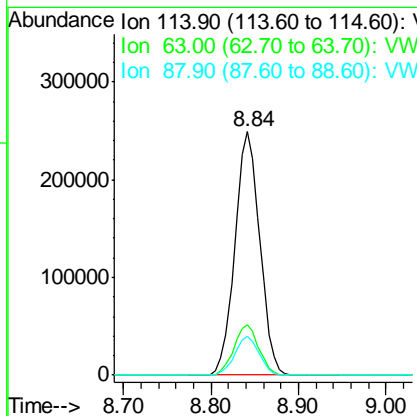
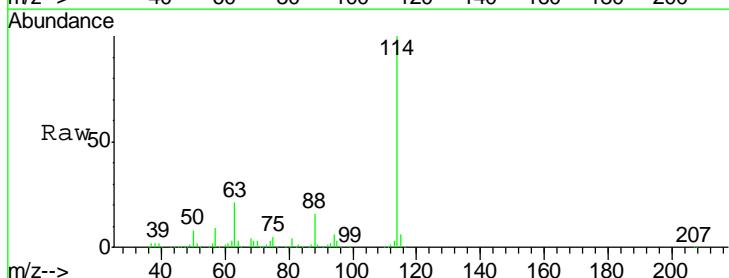
Manual Integrations
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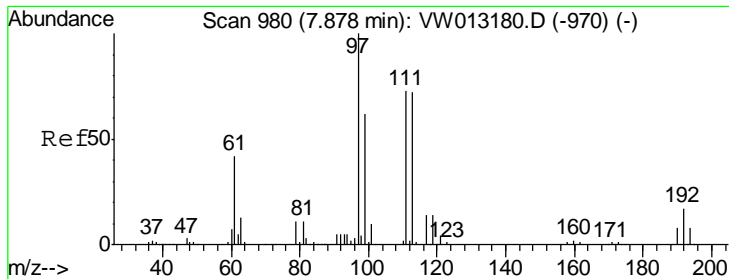
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 9/24/2019 5:28:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

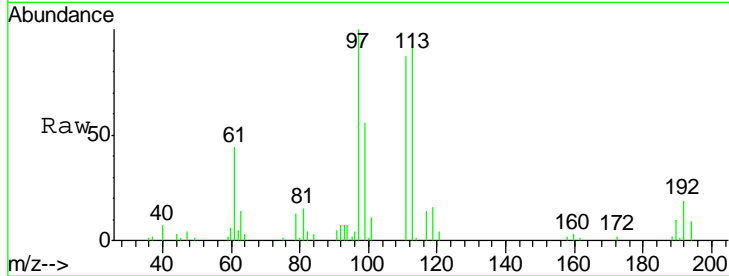
Tgt Ion	Resp	Lower	Upper
114	492232		
114	100		
63	20.6	0.0	41.4
88	16.0	0.0	32.0





#35
 Dibromofluoromethane
 Concen: 5.676 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

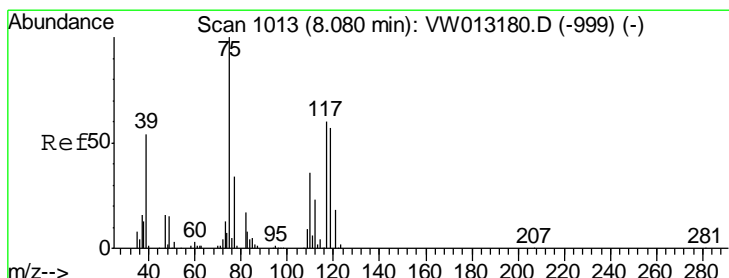
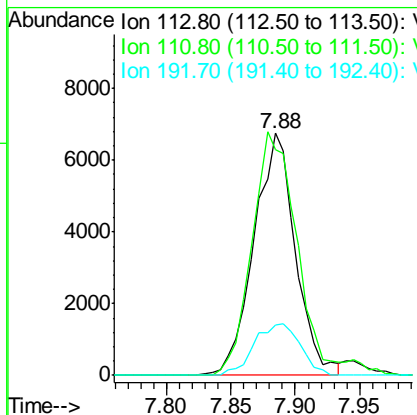
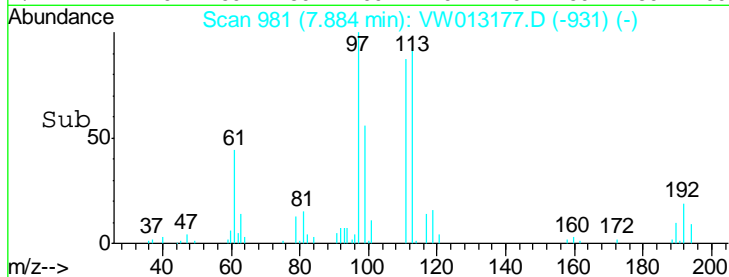
Instrument : MSVOA_W
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
113	15106		
113	100		
111	107.1	81.9	122.9
192	23.5	19.1	28.7

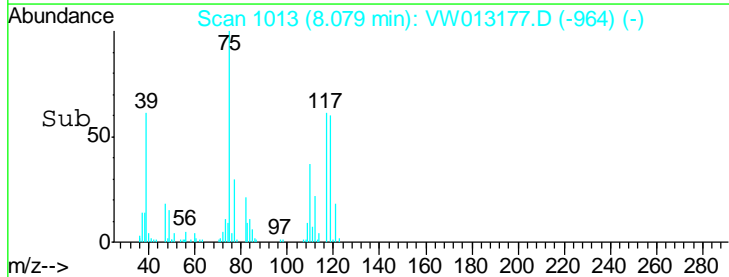
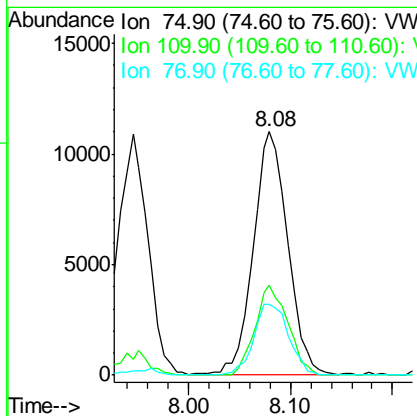
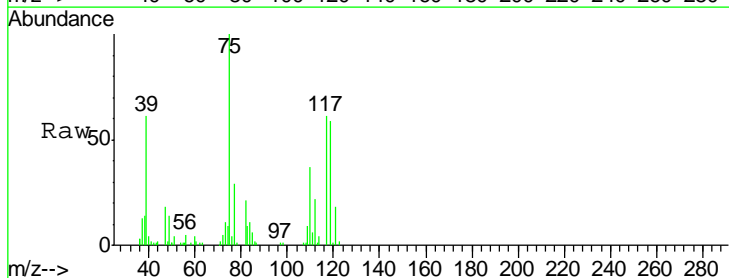
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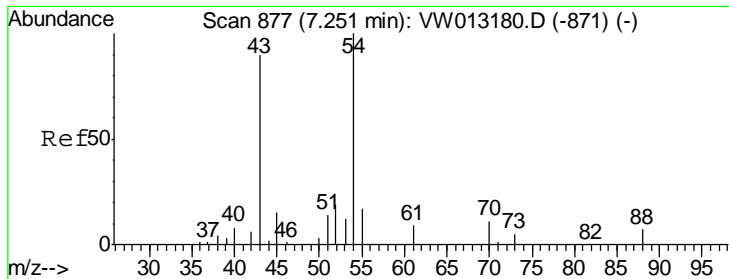
MMDadoda
 9/24/2019 5:28:40 AM



#36
 1,1-Dichloropropene
 Concen: 6.387 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
75	25922		
75	100		
110	35.0	18.1	54.3
77	29.5	25.8	38.6





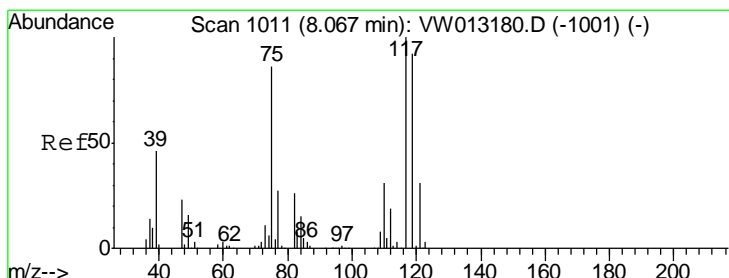
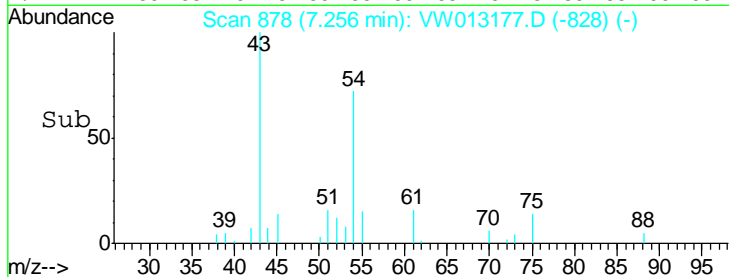
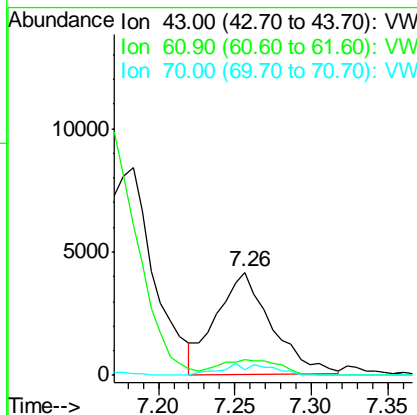
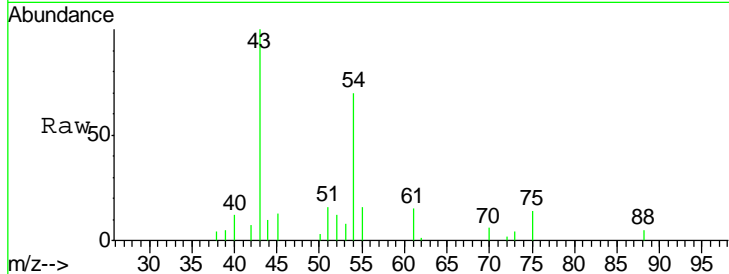
#37
Ethyl Acetate
Concen: 4.999 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	10323		
61	17.4	10.9	16.3#
70	5.1	8.2	12.2#

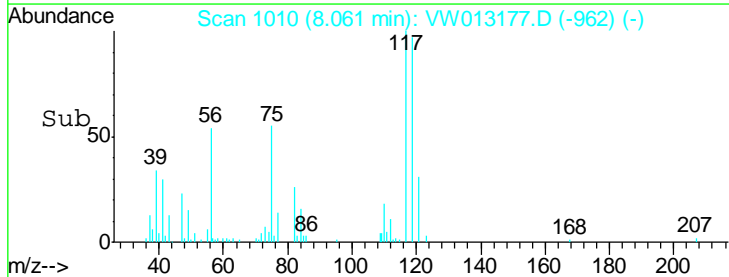
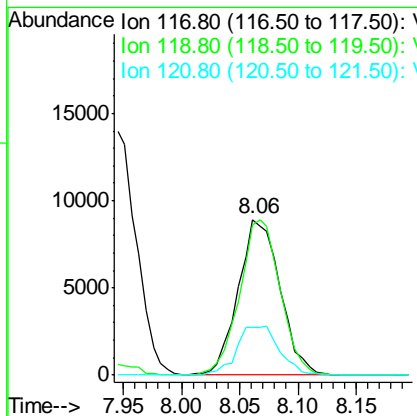
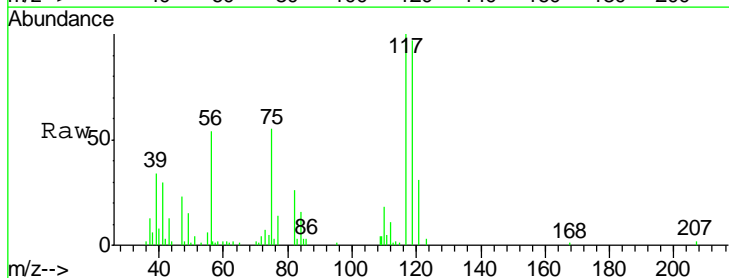
Manual Integrations
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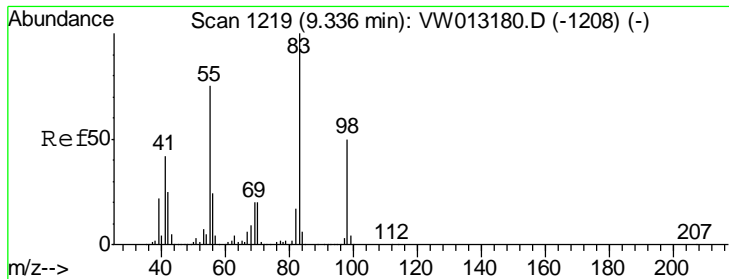
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#38
Carbon Tetrachloride
Concen: 5.494 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
117	22349		
119	96.7	73.5	110.3
121	30.7	25.0	37.6





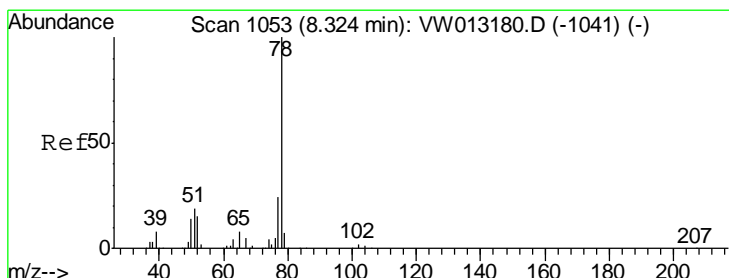
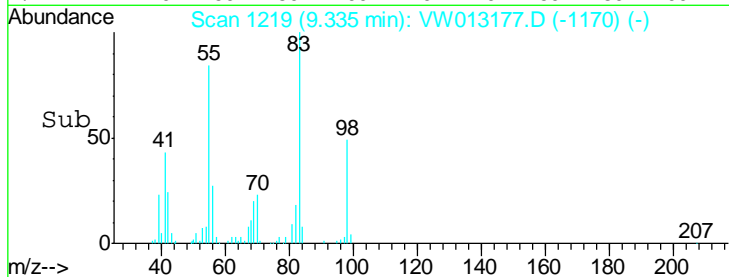
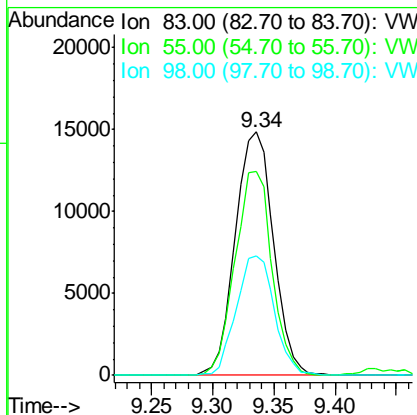
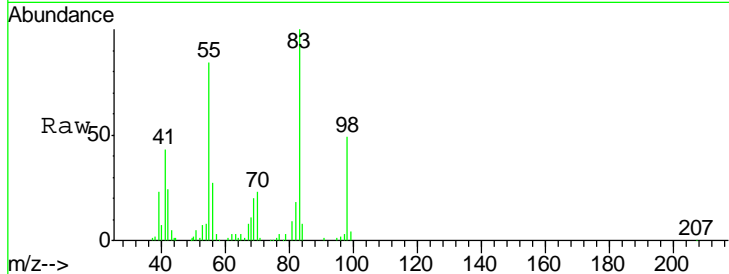
#39
 Methylcyclohexane
 Concen: 6.958 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	32192		
83	100		
55	83.5	60.4	90.6
98	49.1	40.0	60.0

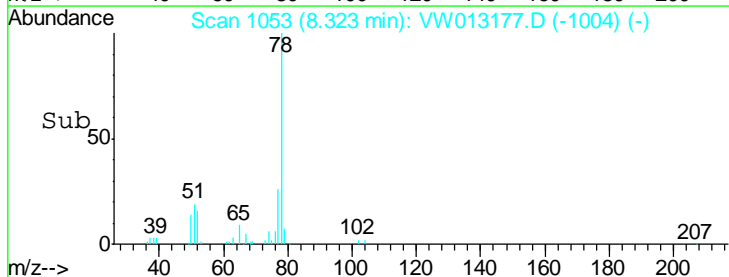
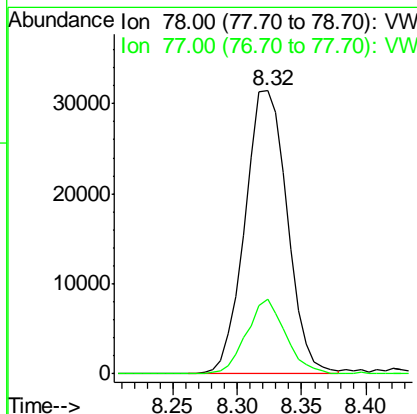
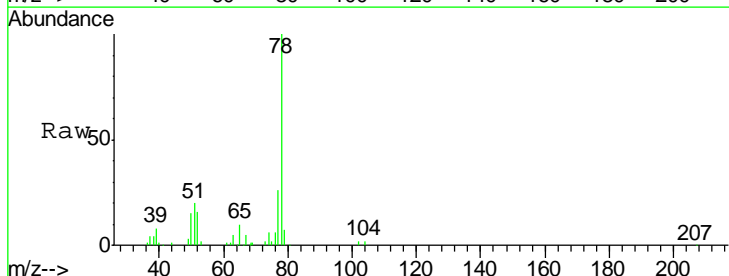
Manual Integrations
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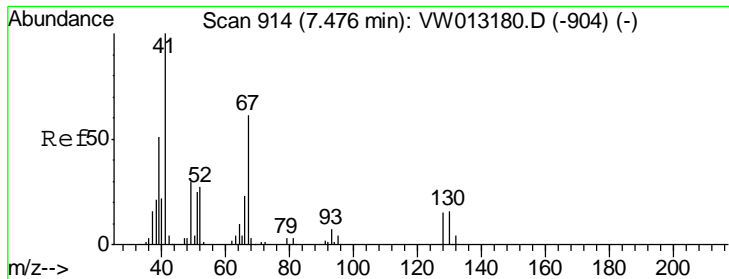
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#40
 Benzene
 Concen: 6.332 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
78	71751		
78	100		
77	26.2	19.1	28.7





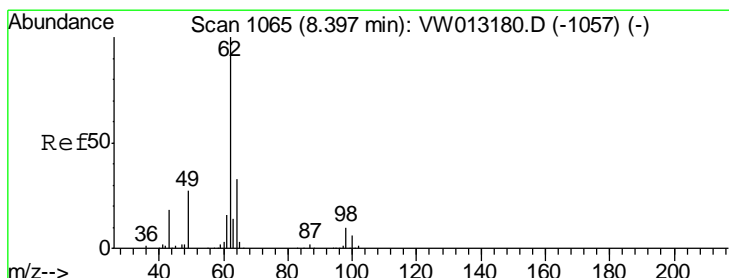
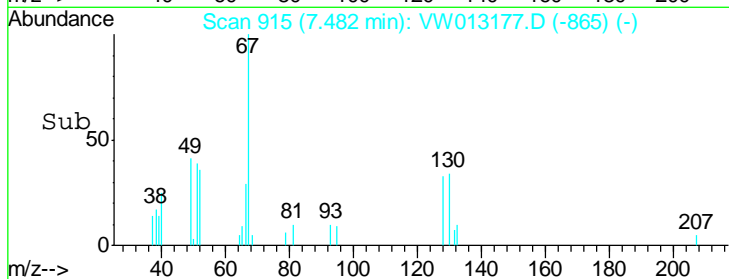
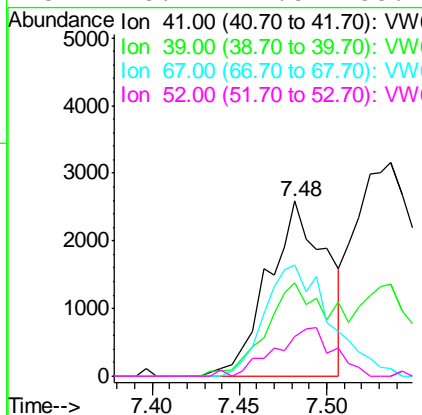
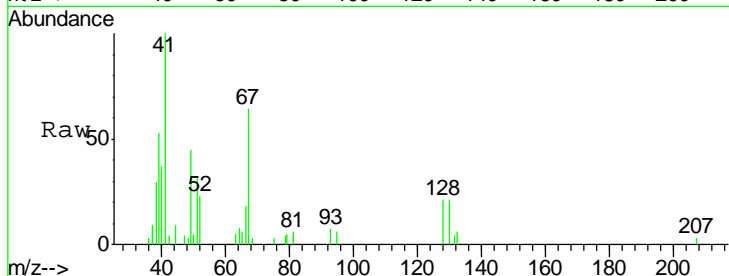
#41
 Methacrylonitrile
 Concen: 4.445 ug/l
 RT: 7.48 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
41	100		
39	61.0	45.9	68.9
67	71.9	54.5	81.7
52	28.1	22.5	33.7

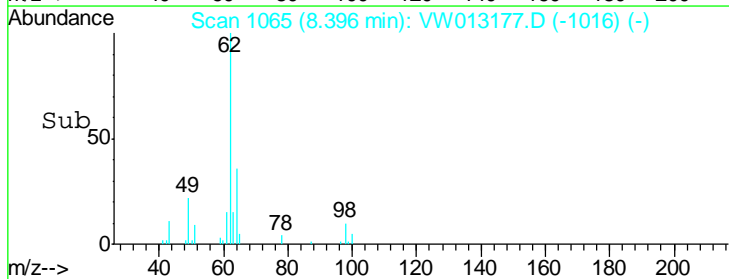
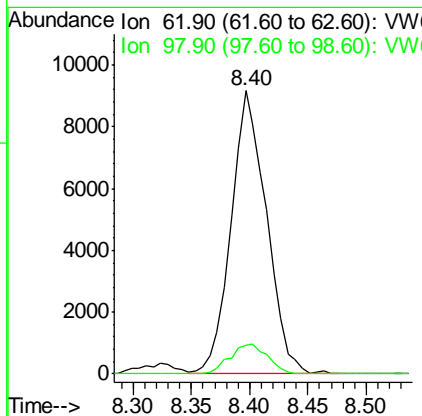
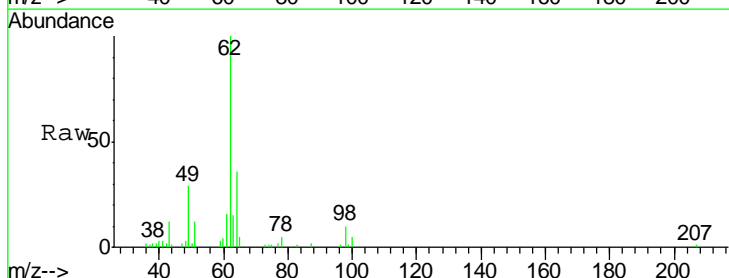
Manual Integrations
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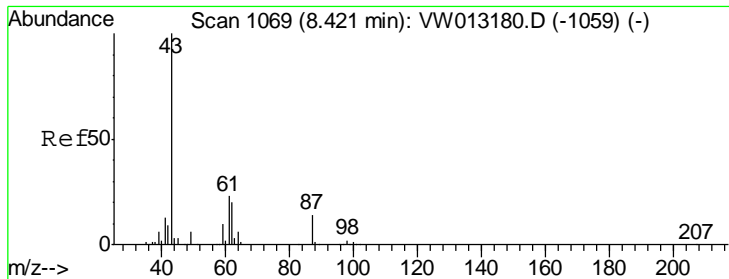
MMDadoda
 9/24/2019 5:28:40 AM



#42
 1,2-Dichloroethane
 Concen: 5.319 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
62	100		
98	11.2	0.0	20.6





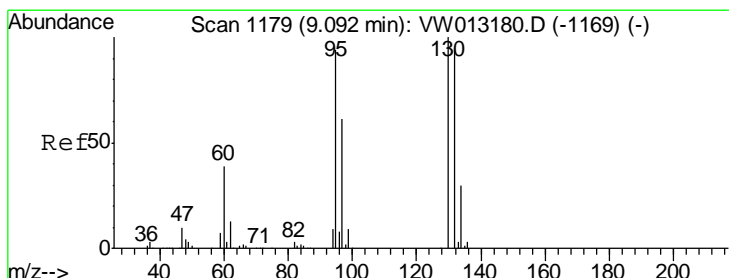
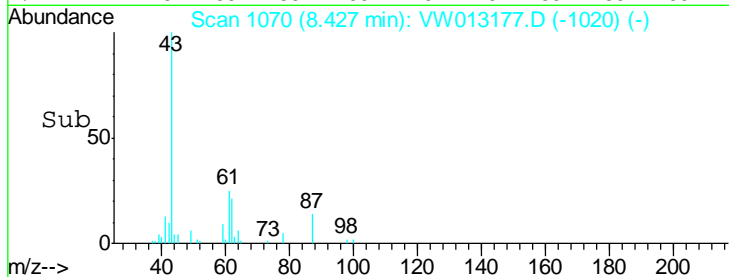
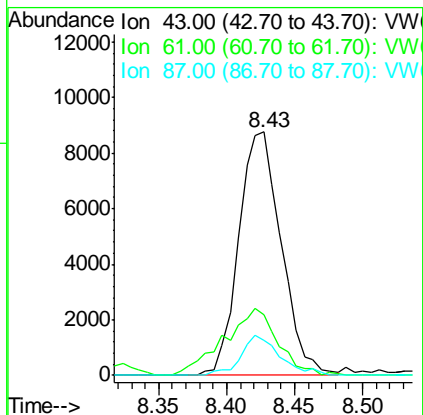
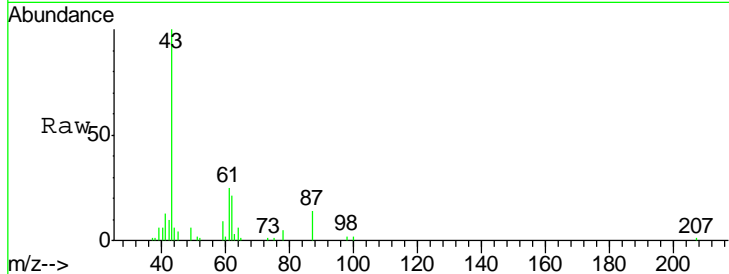
#43
 Isopropyl Acetate
 Concen: 4.843 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	19140		
61	35.0	25.5	38.3
87	15.0	11.0	16.4

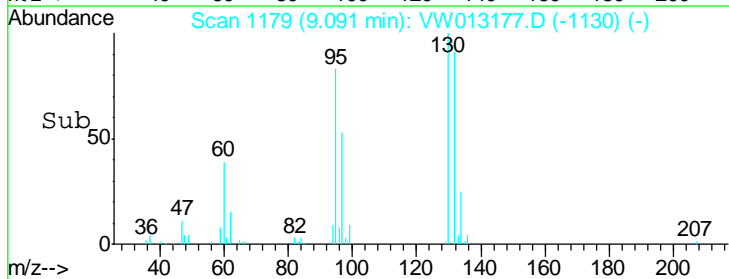
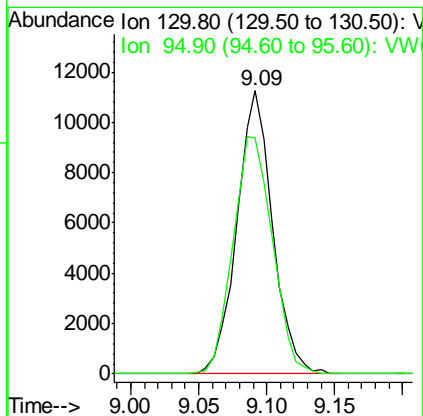
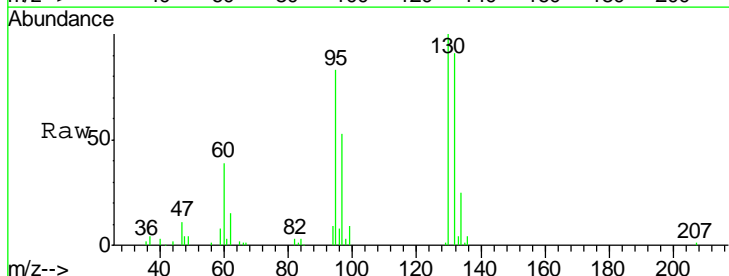
Manual Integrations
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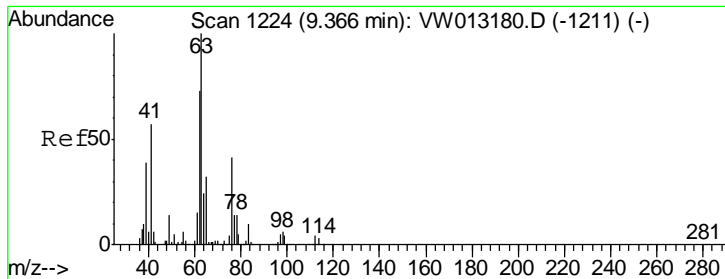
MMDadoda
 9/24/2019 5:28:40 AM



#44
 Trichloroethene
 Concen: 6.571 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
130	20532		
95	83.4	0.0	188.0





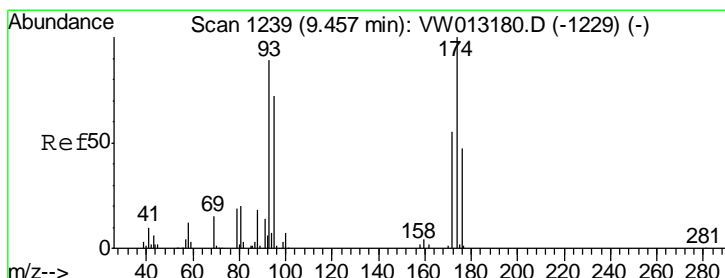
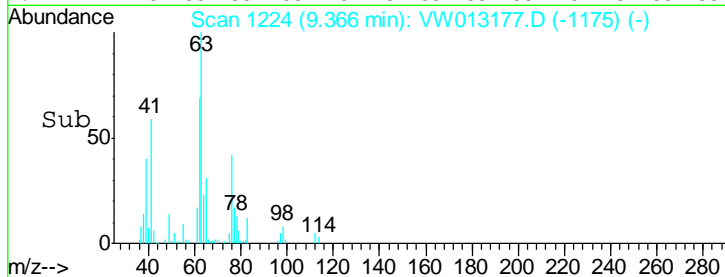
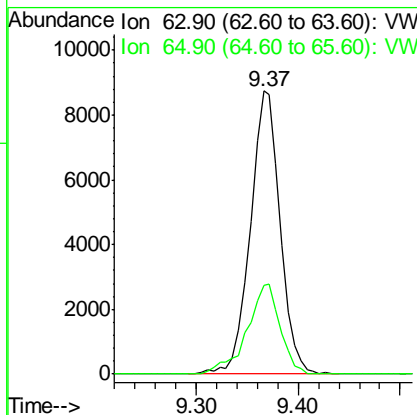
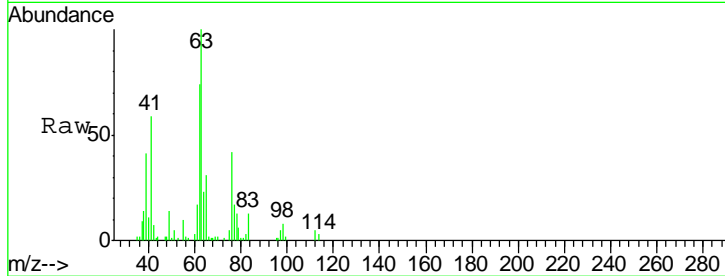
#45
 1,2-Dichloropropane
 Concen: 6.017 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
63	17783		
63	100		
65	31.5	25.3	37.9

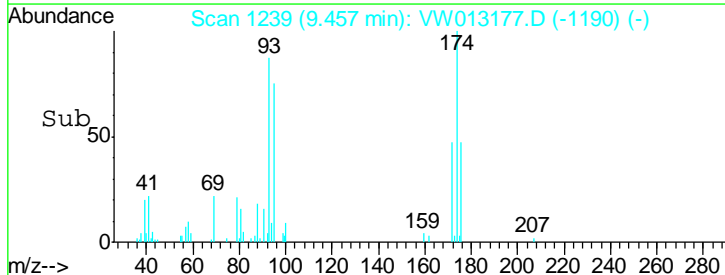
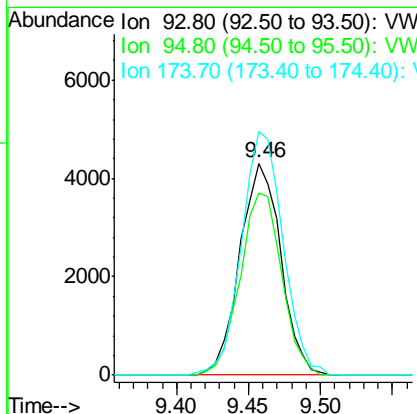
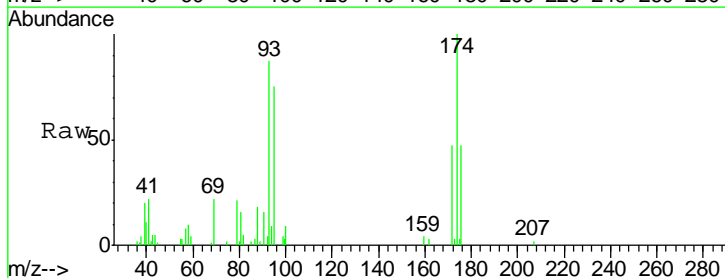
Manual Integrations
APPROVED

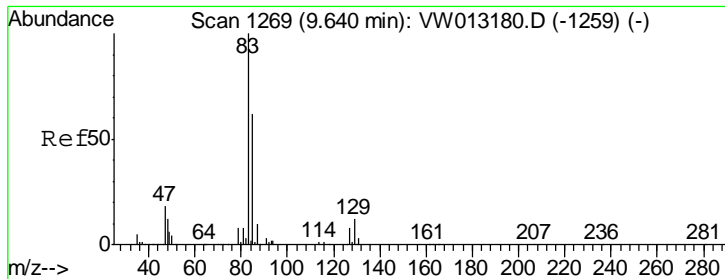
MMDadoda
 9/24/2019 5:28:40 AM



#46
 Dibromomethane
 Concen: 5.966 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
93	8468		
93	100		
95	87.2	66.4	99.6
174	116.9	93.0	139.6





#47

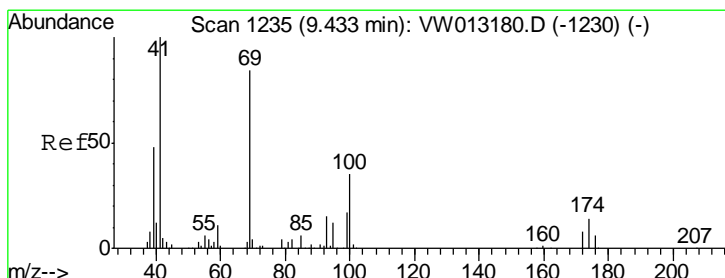
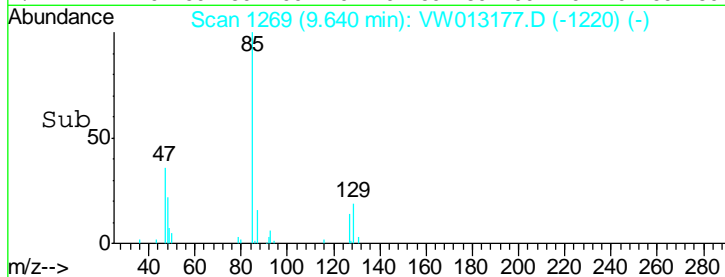
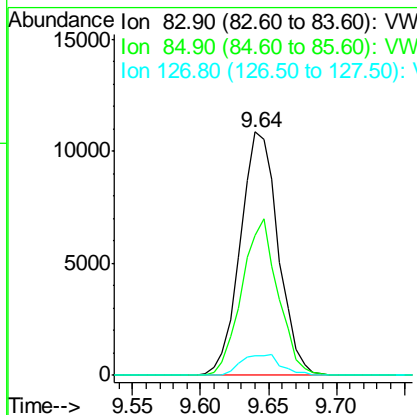
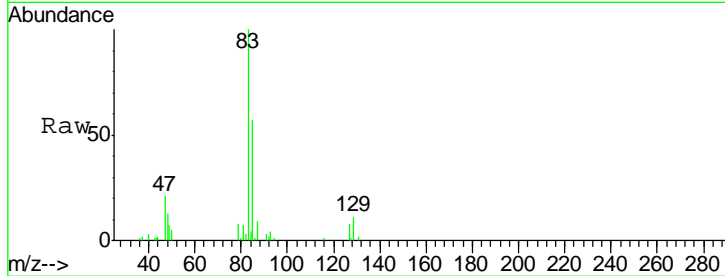
Bromodichloromethane
 Concen: 5.419 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	21209		
85	57.3	49.4	74.2
127	8.1	6.5	9.7

Manual Integrations
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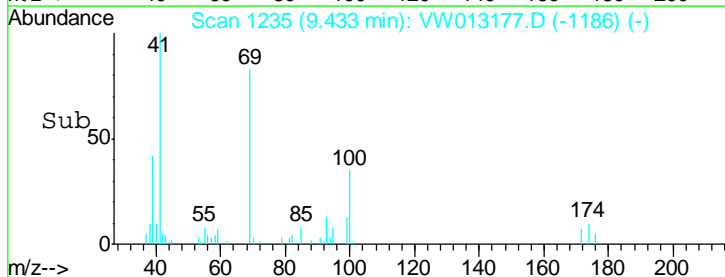
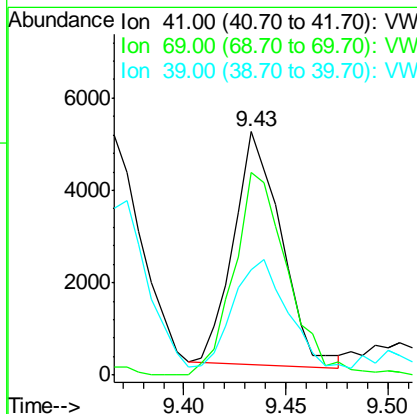
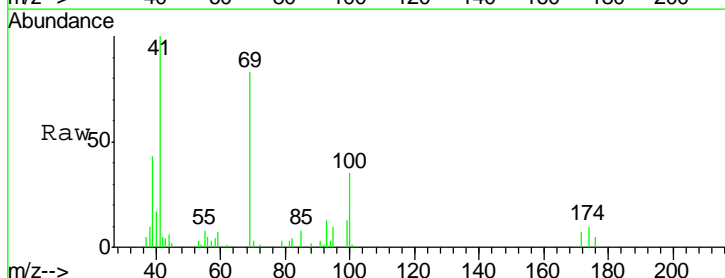
MMDadoda
 9/24/2019 5:28:40 AM

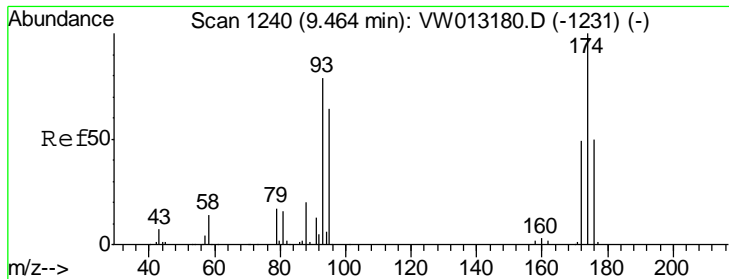


#48

Methyl methacrylate
 Concen: 4.409 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
41	8196		
69	98.1	69.7	104.5
39	54.7	41.1	61.7





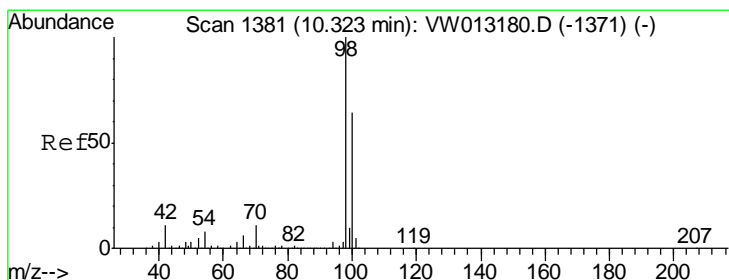
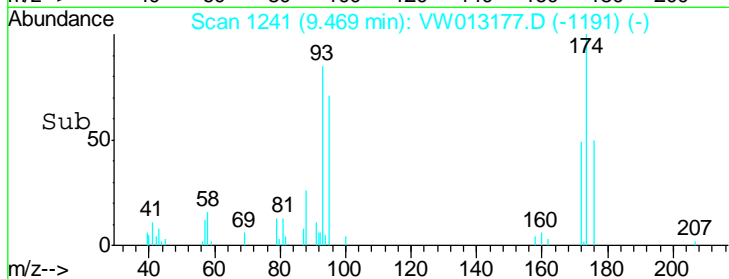
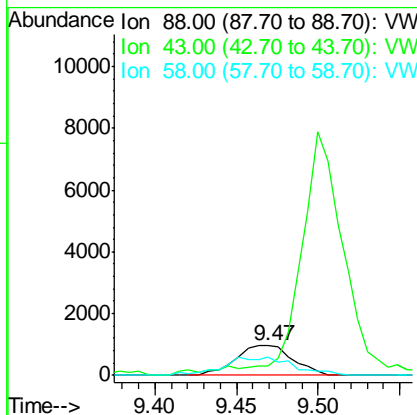
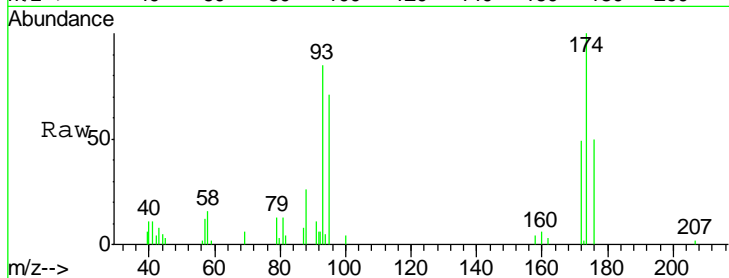
#49
 1,4-Dioxane
 Concen: 103.749 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	39.4	65.4	98.0

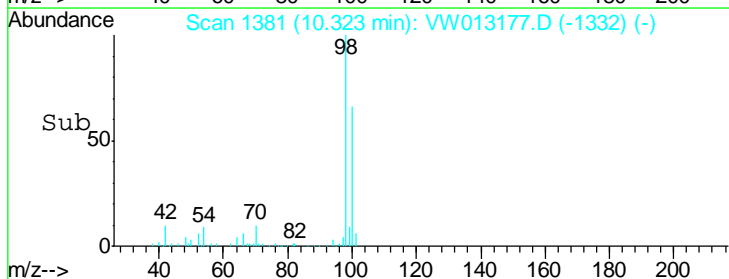
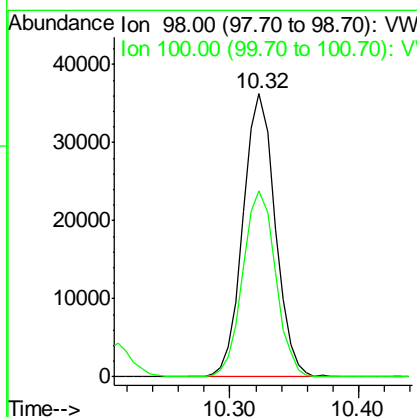
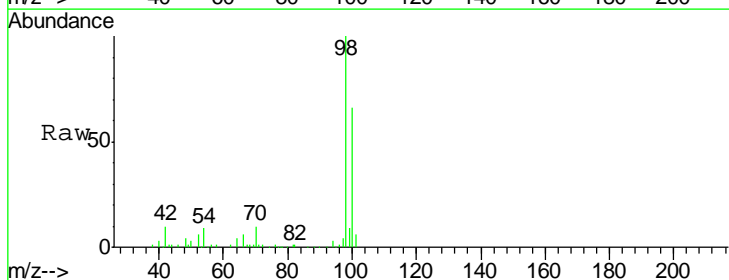
Manual Integrations
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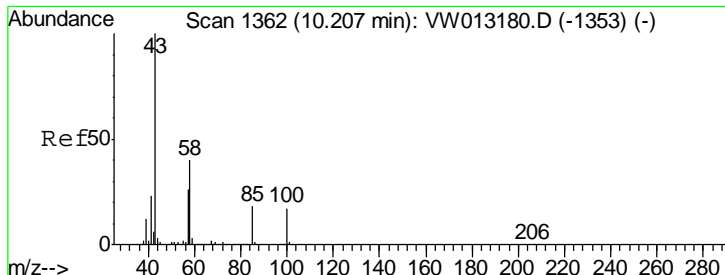
MMDadoda
 9/24/2019 5:28:40 AM



#50
 Toluene-d8
 Concen: 5.974 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.8	52.9	79.3





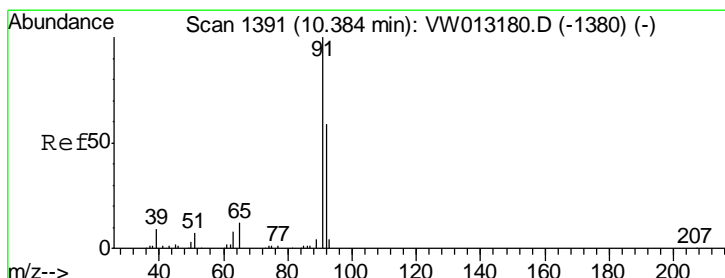
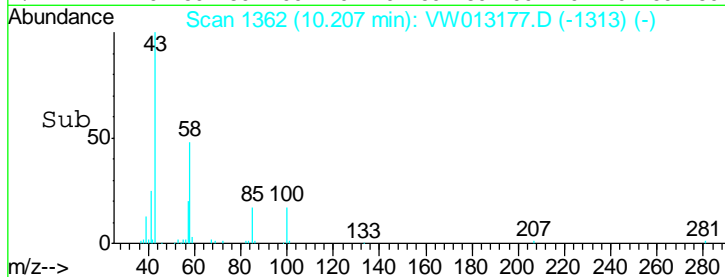
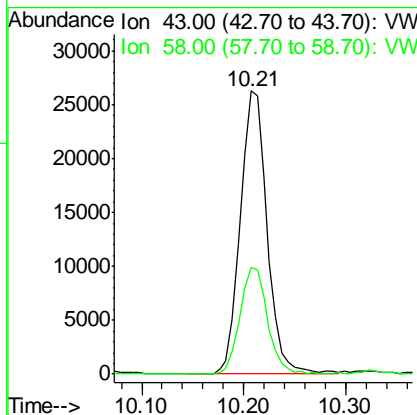
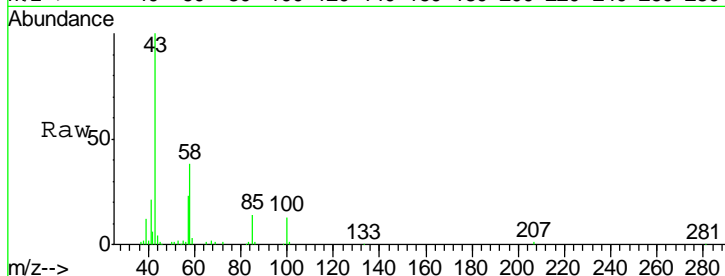
#51
 4-Methyl-2-Pentanone
 Concen: 23.627 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.7	31.7	47.5

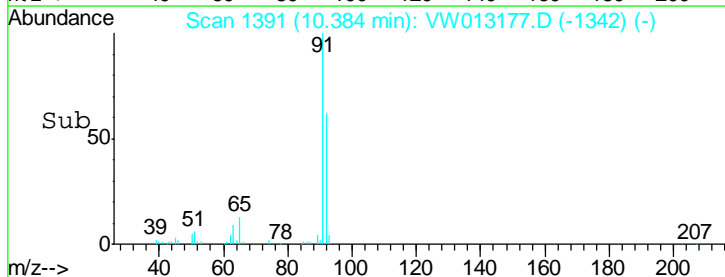
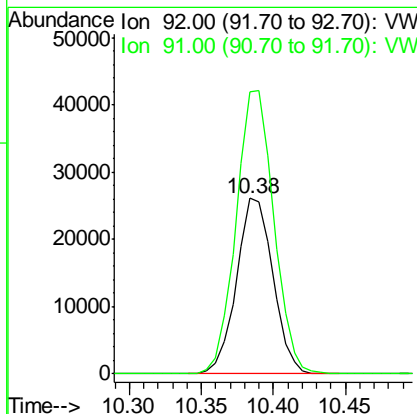
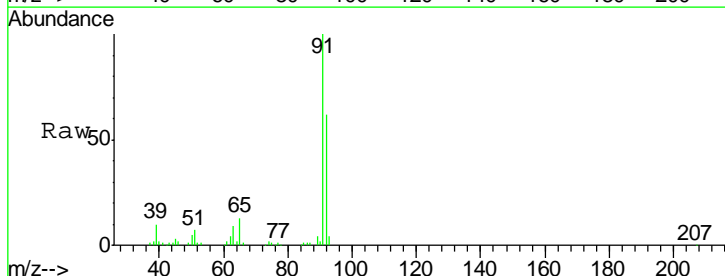
Manual Integrations
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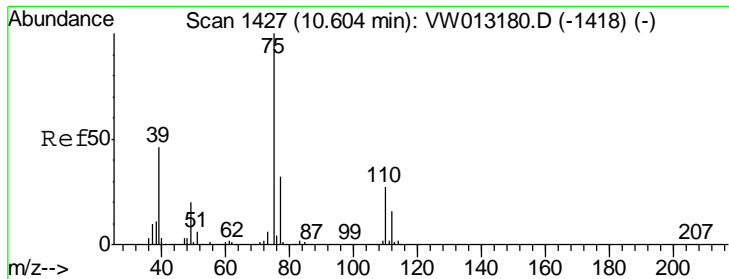
MMDadoda
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#52
 Toluene
 Concen: 6.385 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
92	100		
91	166.9	135.7	203.5





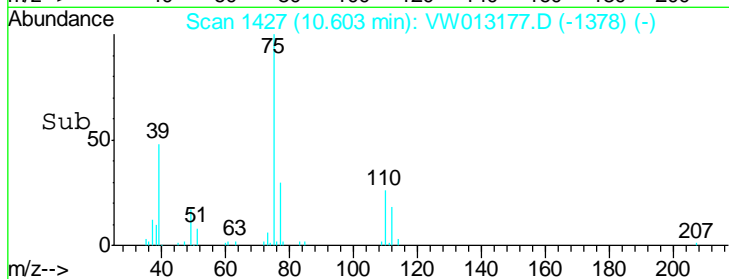
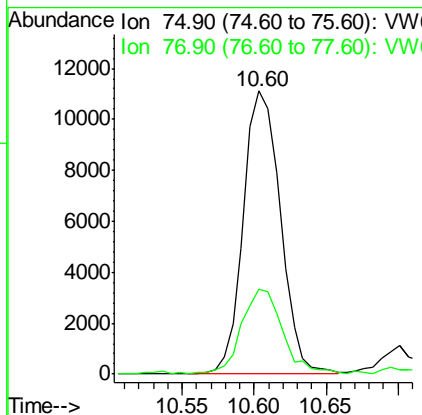
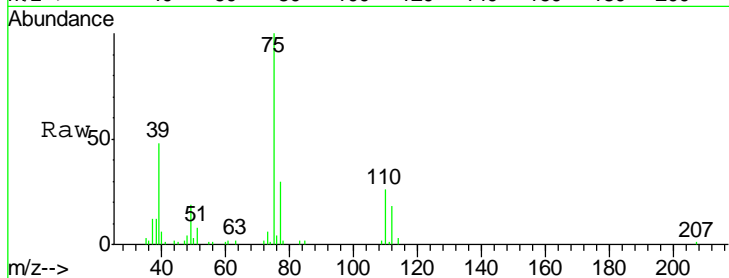
#53
 t-1,3-Dichloropropene
 Concen: 5.017 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	19852		
75	100		
77	30.1	25.5	38.3

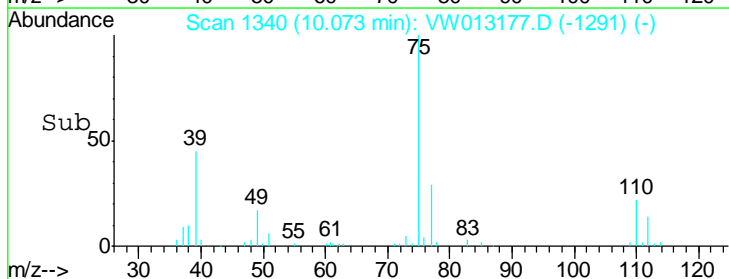
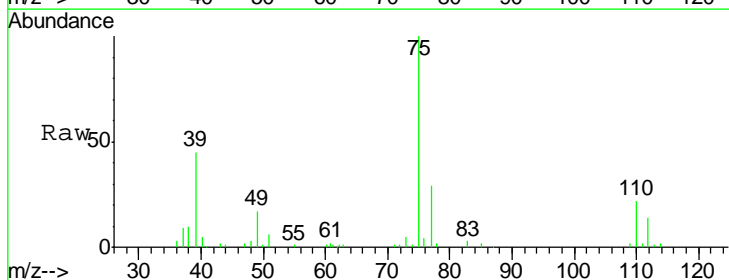
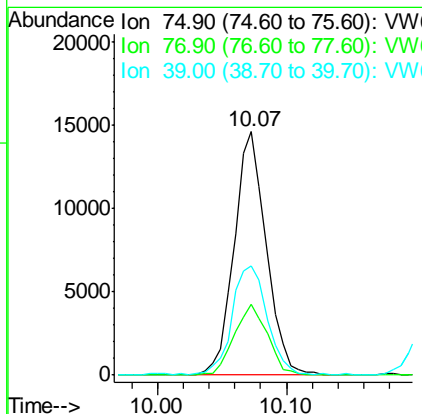
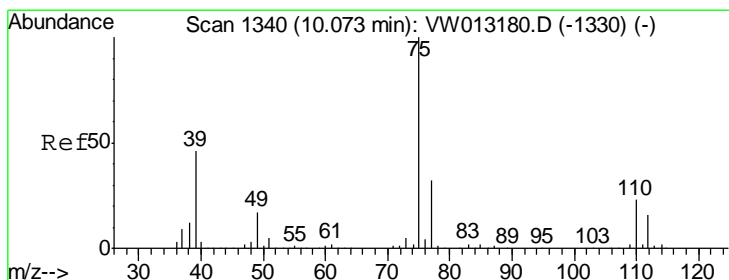
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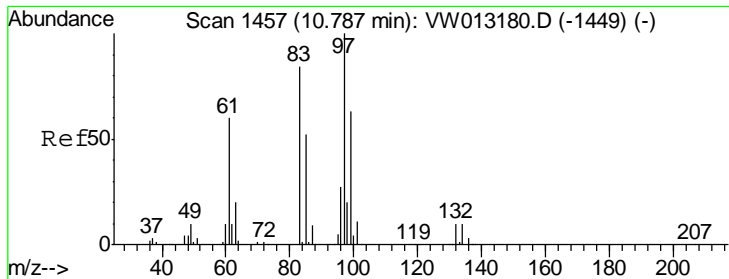
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 9/24/2019 5:28:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 5.519 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
75	25216		
75	100		
77	29.1	25.2	37.8
39	45.0	36.6	55.0



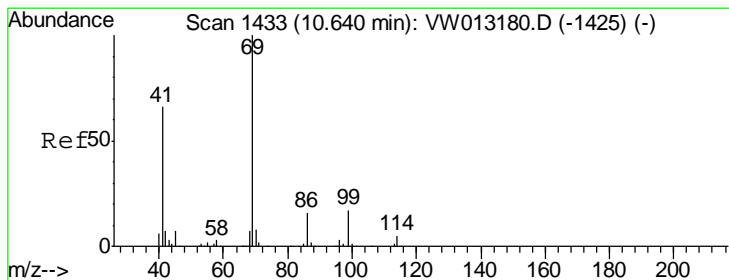
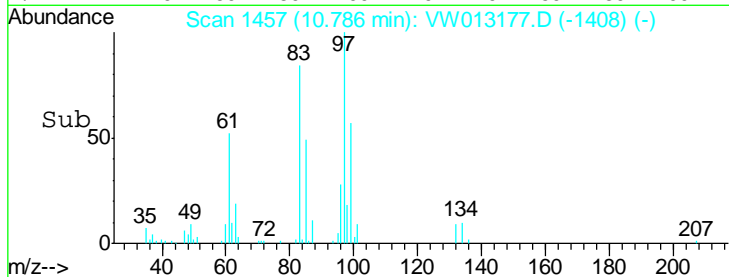
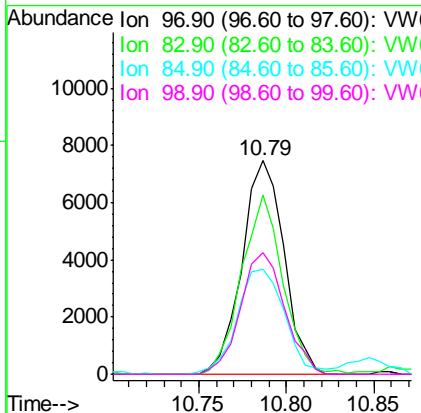
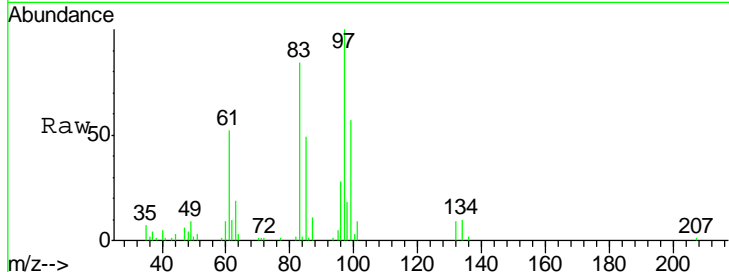


#55
 1,1,2-Trichloroethane
 Concen: 5.785 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

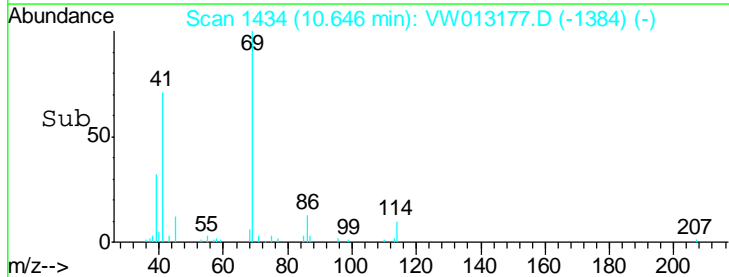
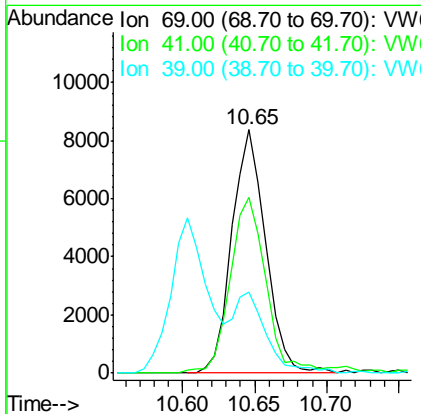
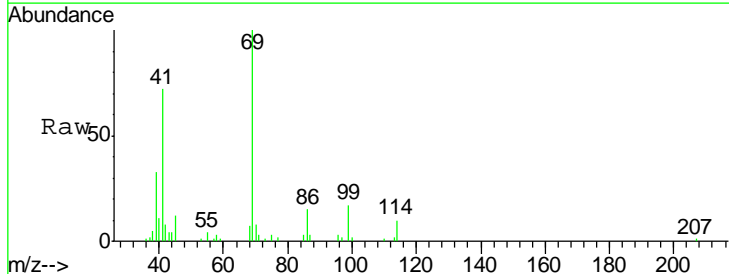
Tgt Ion	Resp	Lower	Upper
97	12466		
97	100		
83	84.2	67.6	101.4
85	48.9	41.9	62.9
99	57.0	50.1	75.1

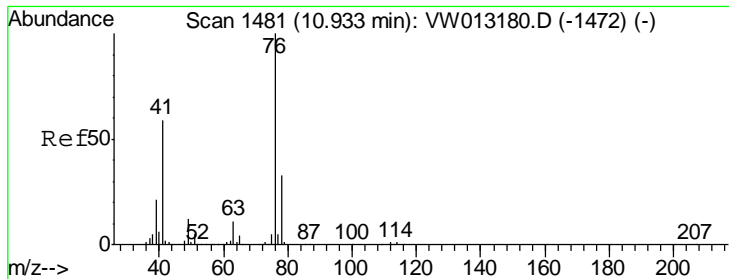
Manual Integrations
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 9/24/2019 5:28:40 AM



#56
 Ethyl methacrylate
 Concen: 4.755 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
69	13711		
69	100		
41	76.9	53.9	80.9
39	33.1	23.8	35.6





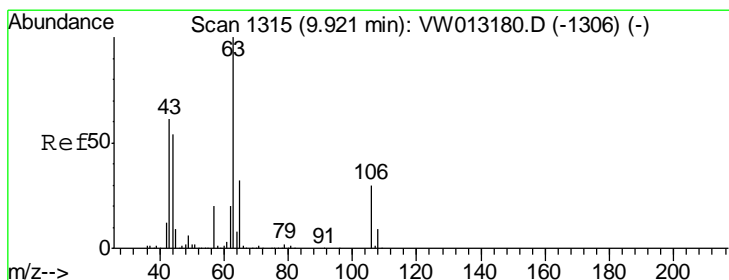
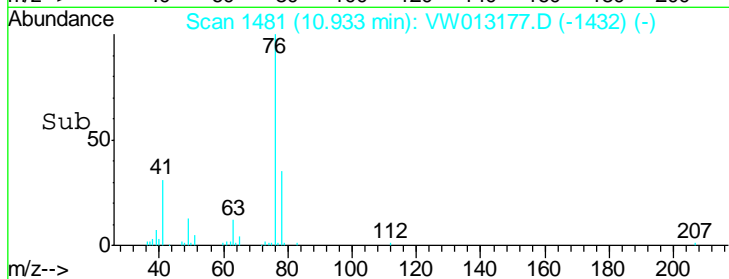
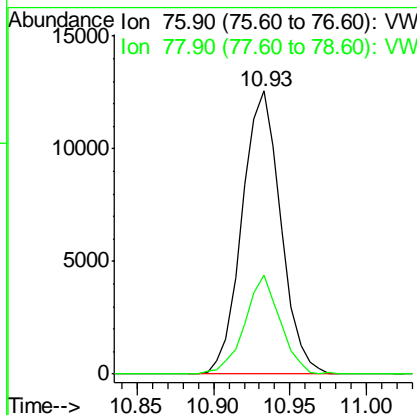
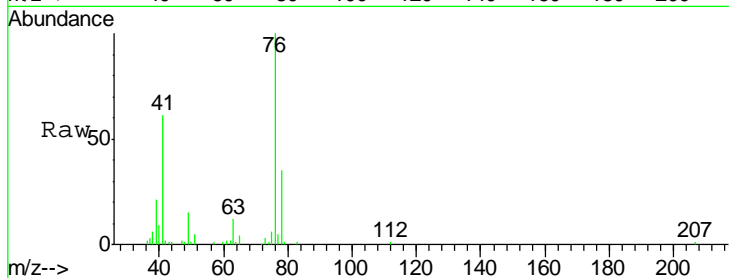
#57
 1,3-Dichloropropane
 Concen: 5.792 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	22084		
76	100		
78	32.1	25.5	38.3

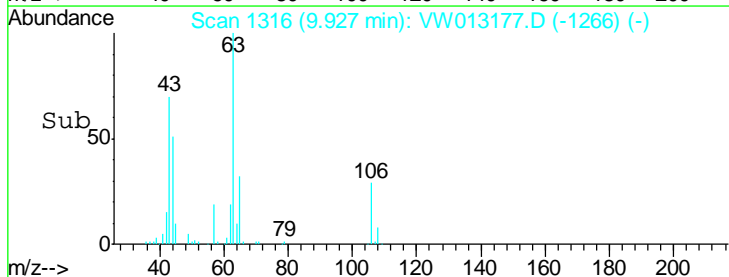
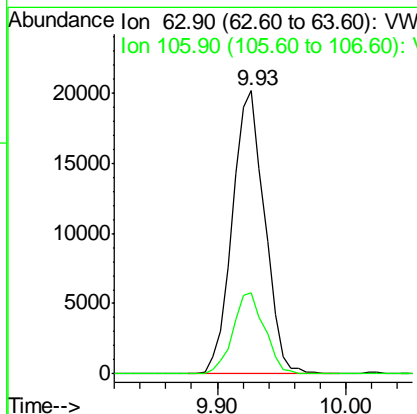
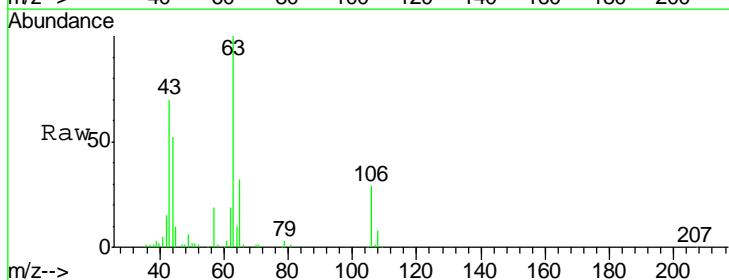
Manual Integrations
APPROVED

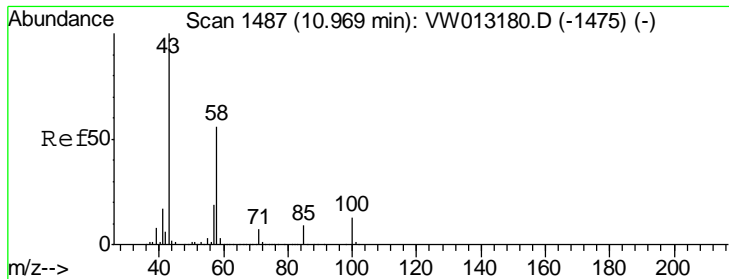
MMDadoda
 9/24/2019 5:28:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.966 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
63	35033		
63	100		
106	28.3	23.4	35.0





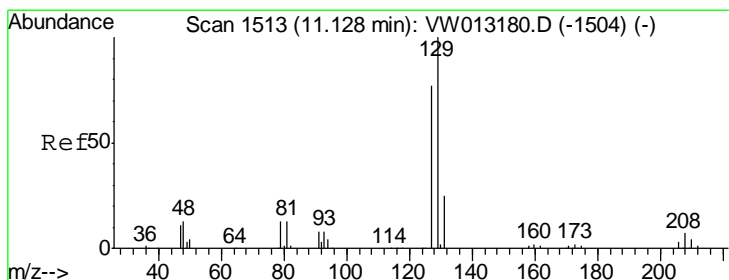
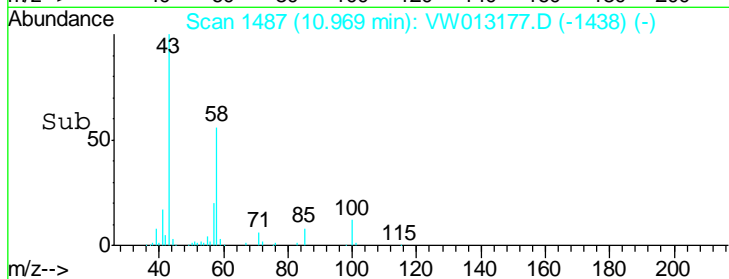
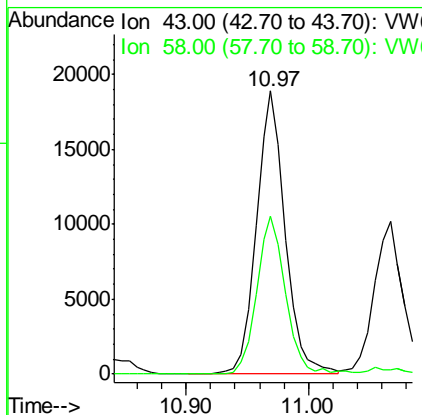
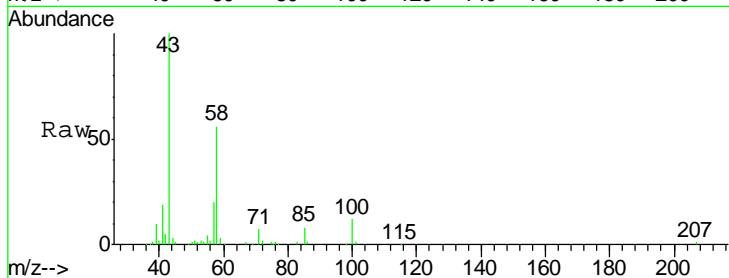
#59
 2-Hexanone
 Concen: 21.896 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.3	28.1	84.2

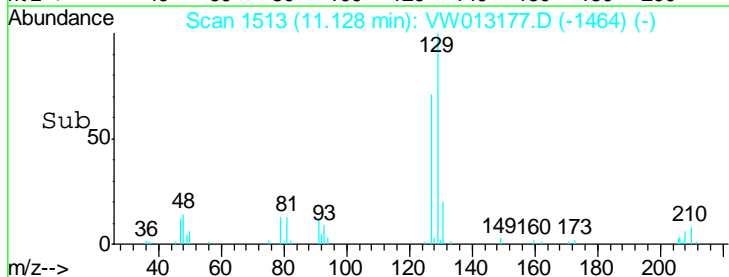
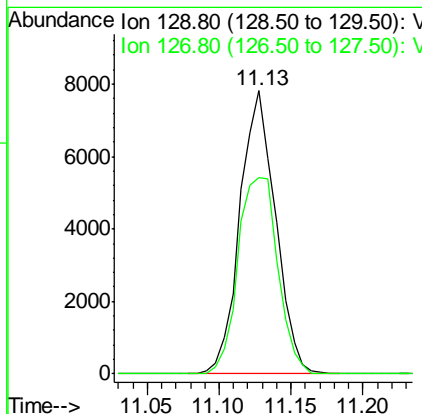
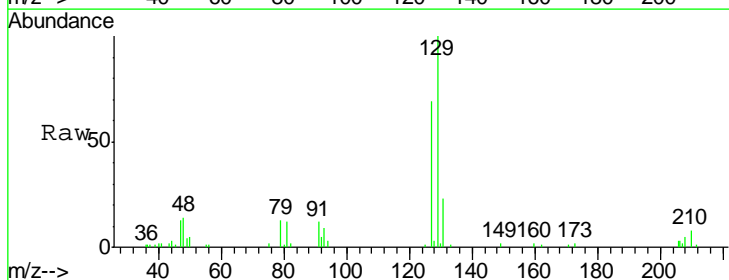
Manual Integrations
 APPROVED

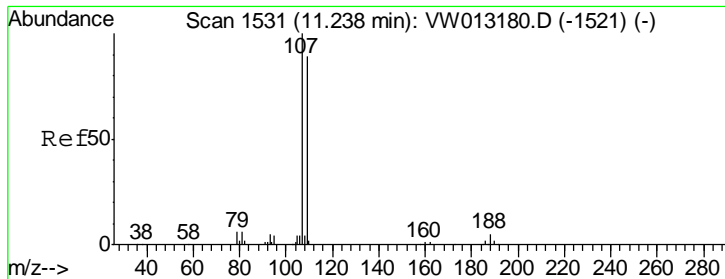
MMDadoda
 9/24/2019 5:28:40 AM



#60
 Dibromochloromethane
 Concen: 5.197 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.4	38.8	116.4





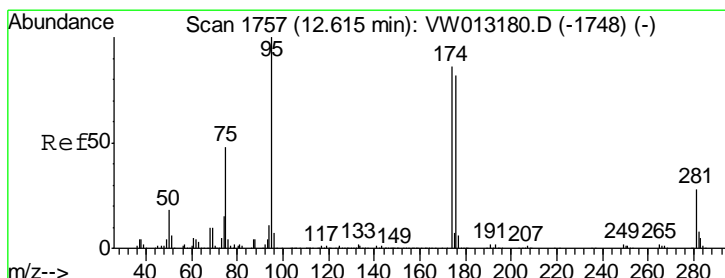
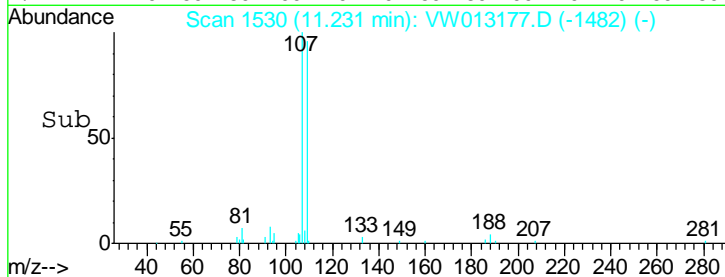
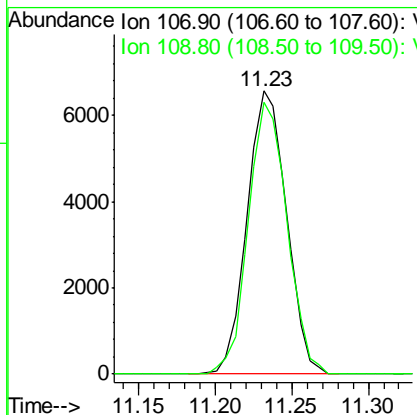
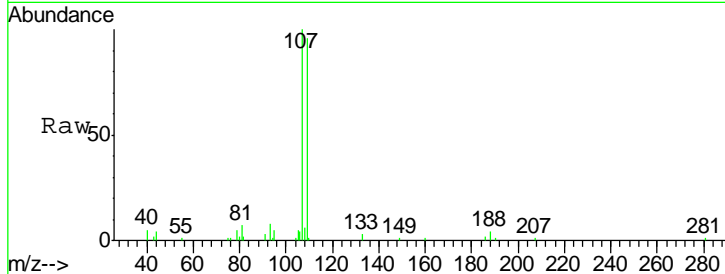
#61
 1,2-Dibromoethane
 Concen: 5.978 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
107	11789		
109	94.6	75.2	112.8

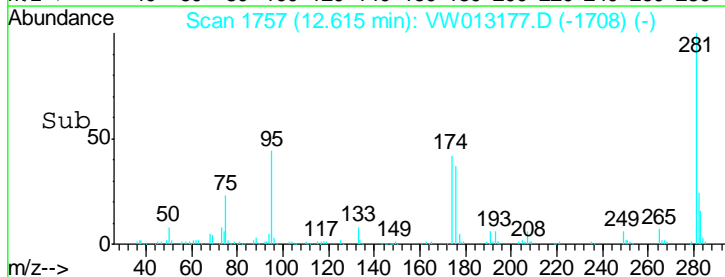
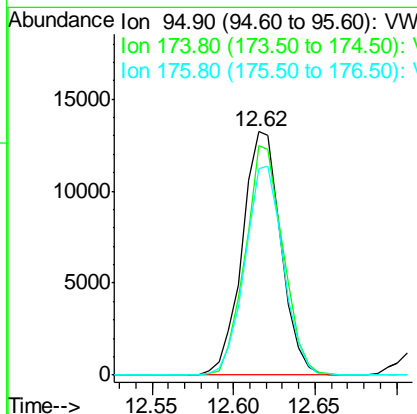
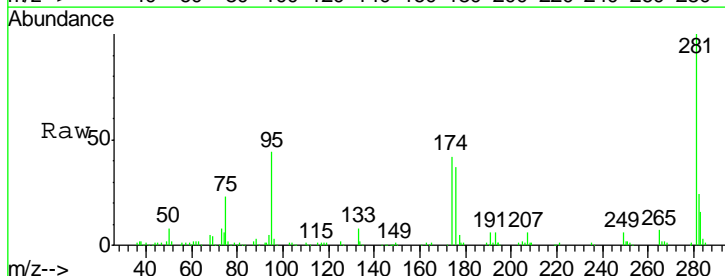
Manual Integrations
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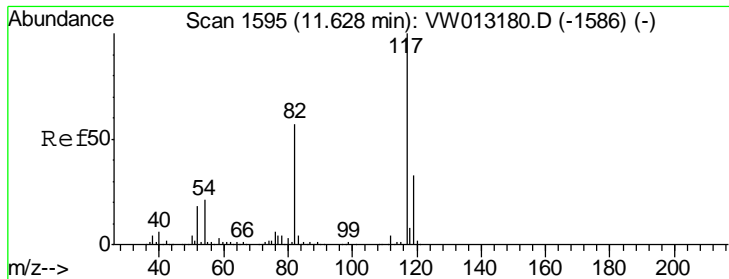
MMDadoda
 9/24/2019 5:28:40 AM



#62
 4-Bromofluorobenzene
 Concen: 5.791 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

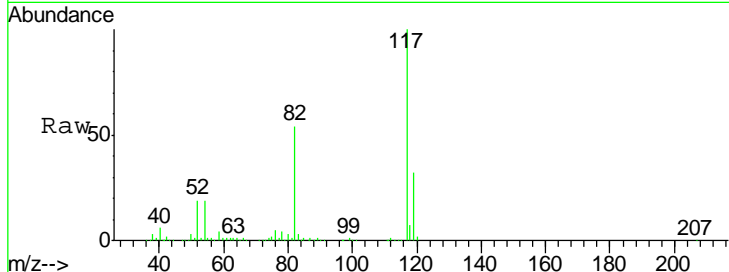
Tgt Ion	Resp	Lower	Upper
95	21761		
174	92.4	0.0	178.4
176	85.4	0.0	172.2





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

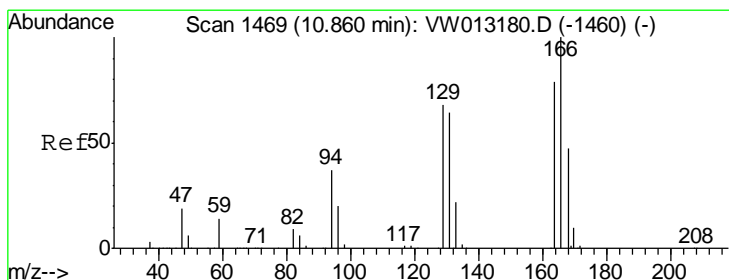
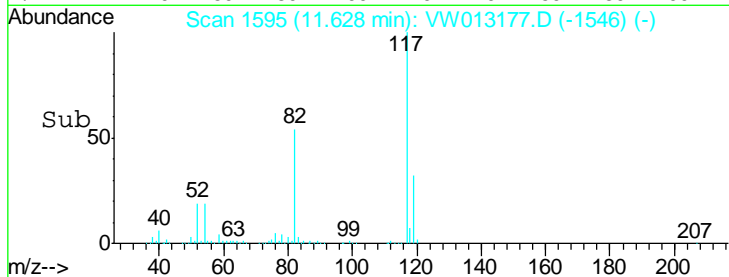
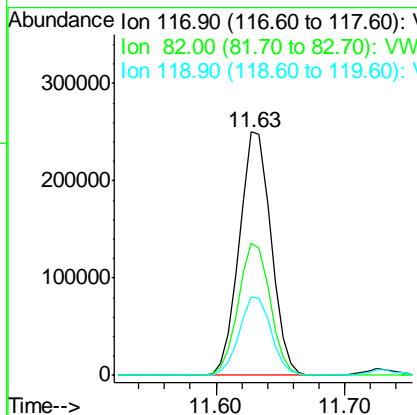


Tgt Ion: 117 Resp: 427372

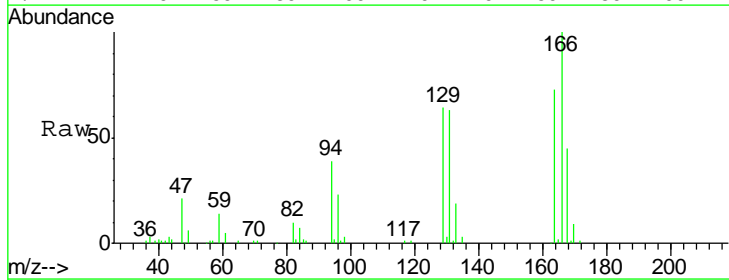
Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.9	68.9
119	32.5	26.2	39.2

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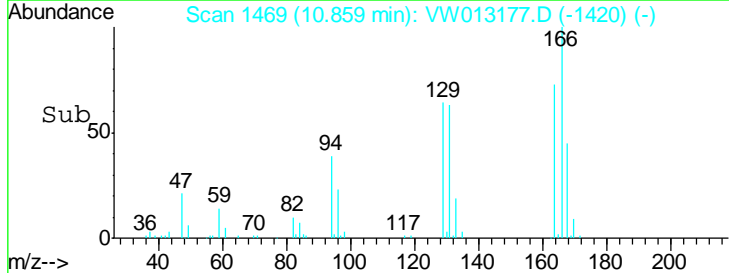
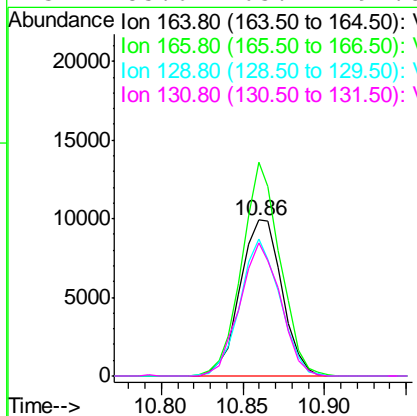


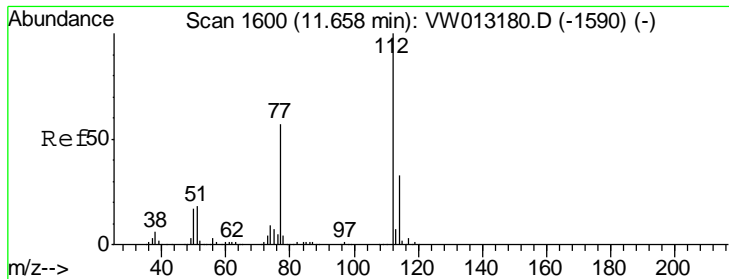
#64
 Tetrachloroethene
 Concen: 6.664 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43



Tgt Ion: 164 Resp: 17698

Ion	Ratio	Lower	Upper
164	100		
166	136.8	101.2	151.8
129	87.9	68.8	103.2
131	85.6	65.2	97.8





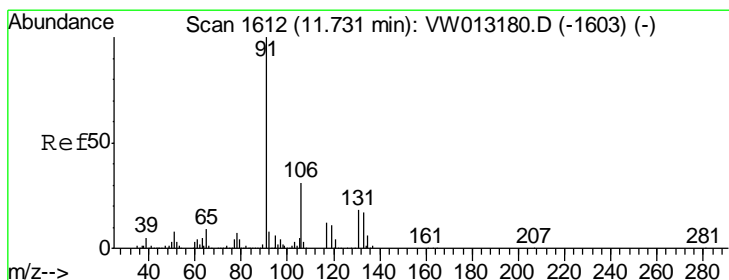
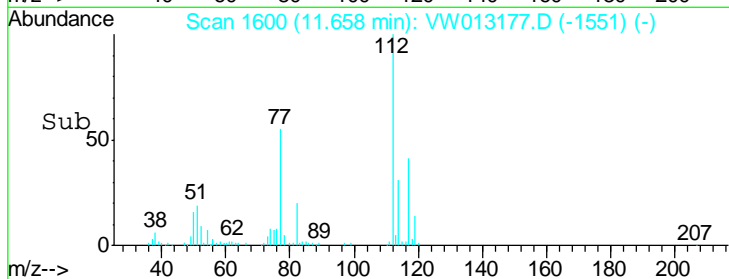
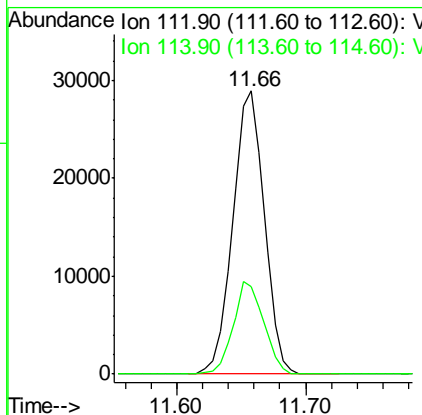
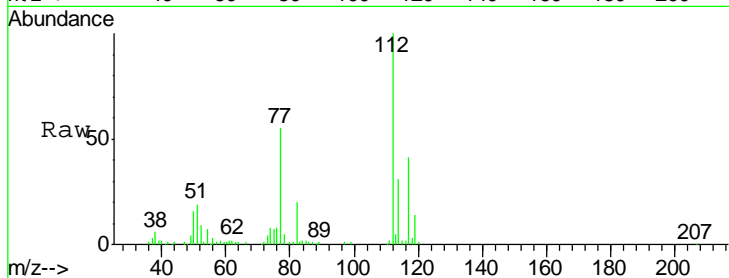
#65
 Chlorobenzene
 Concen: 6.283 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
112	49060		
114	31.0	26.5	39.7

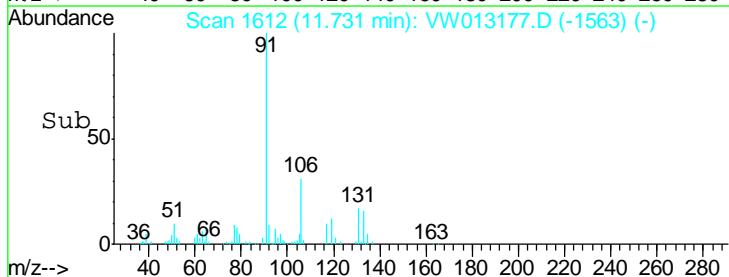
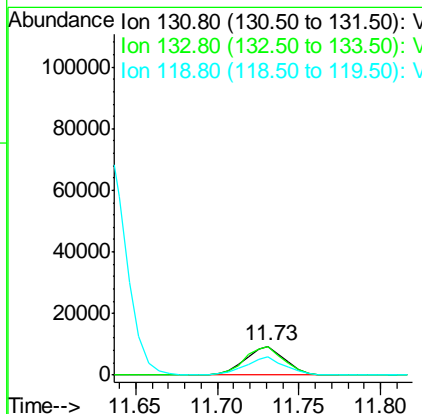
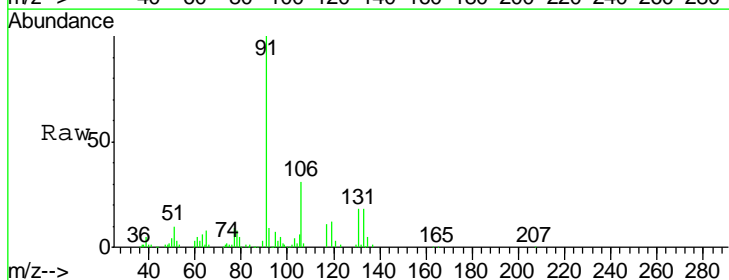
Manual Integrations
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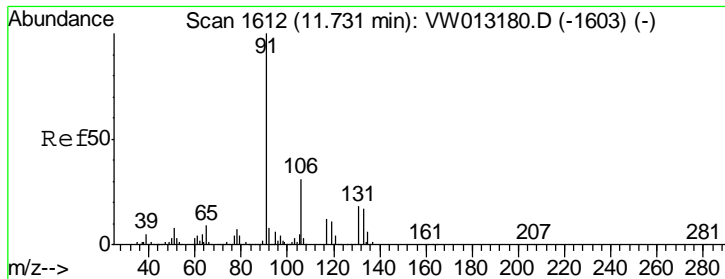
MMDadoda
 9/24/2019 5:28:40 AM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.359 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
131	15710		
133	98.5	47.5	142.6
119	62.4	32.5	97.5





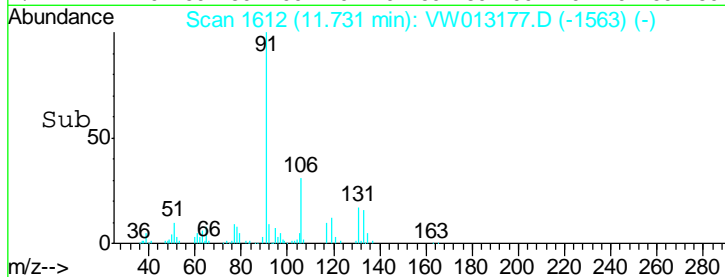
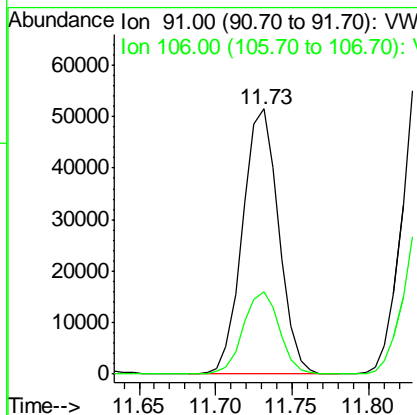
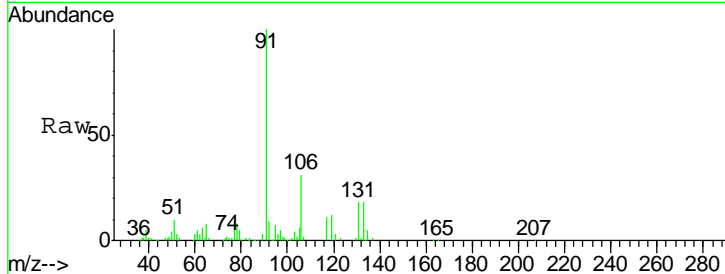
#67
 Ethyl Benzene
 Concen: 5.893 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.1	24.9	37.3

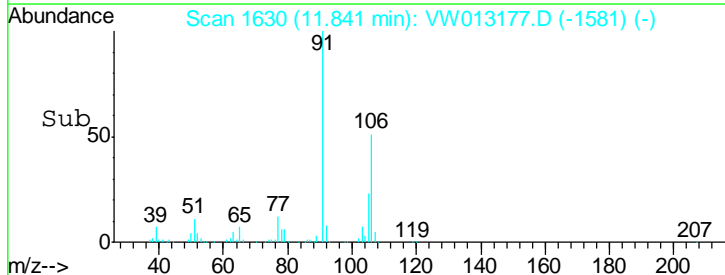
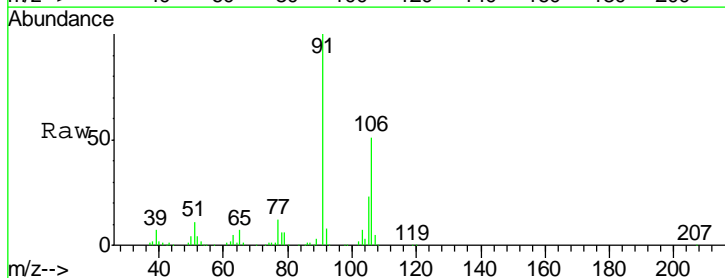
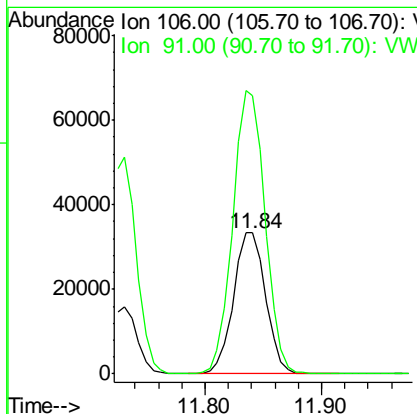
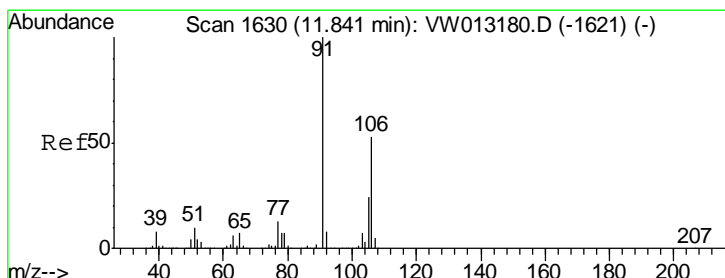
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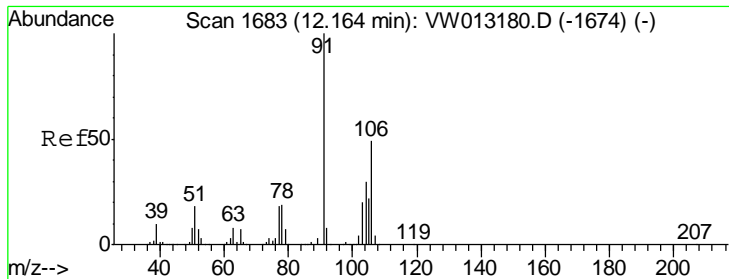
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 9/24/2019 5:28:40 AM



#68
 m/p-Xylenes
 Concen: 12.126 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
106	100		
91	201.7	157.9	236.9





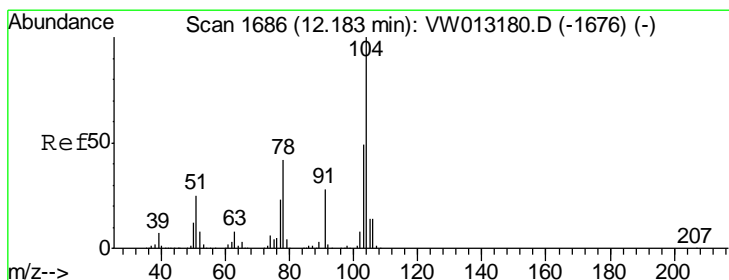
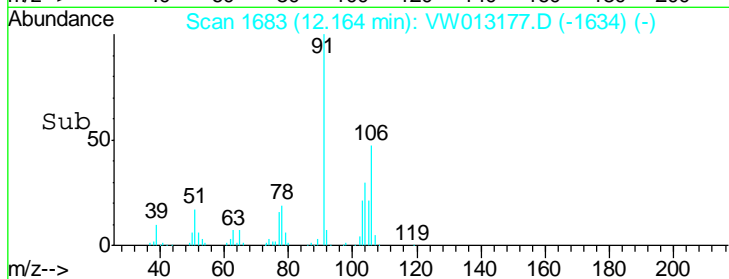
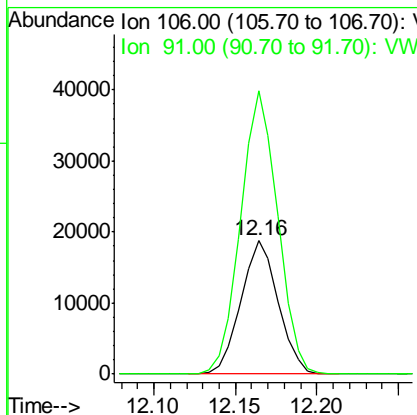
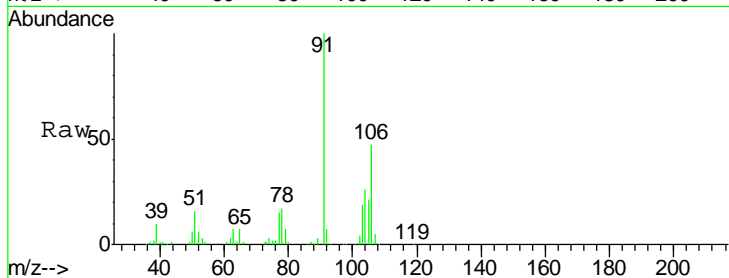
#69
o-Xylene
Concen: 6.051 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
106	29947		
106	100		
91	211.1	106.5	319.5

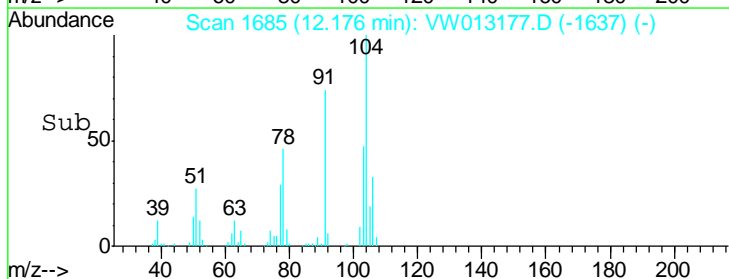
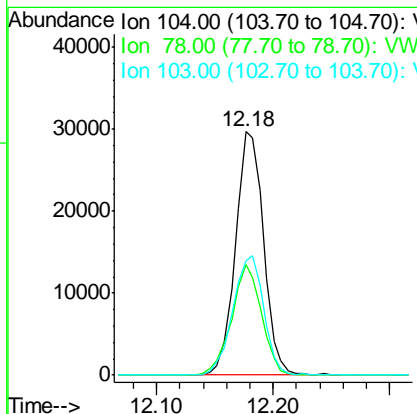
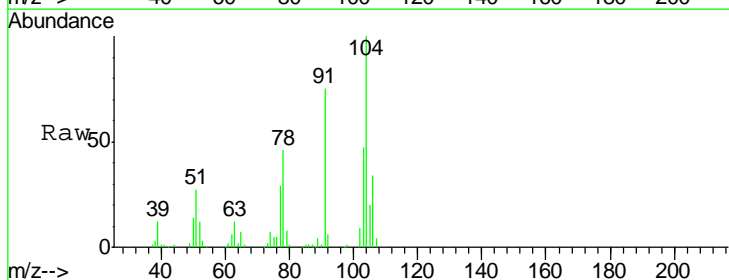
Manual Integrations
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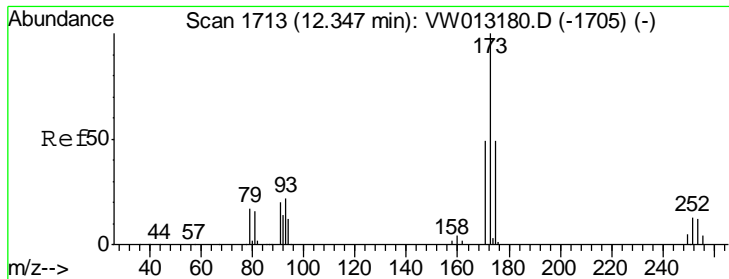
MMDadoda
9/24/2019 5:28:40 AM



#70
Styrene
Concen: 5.710 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

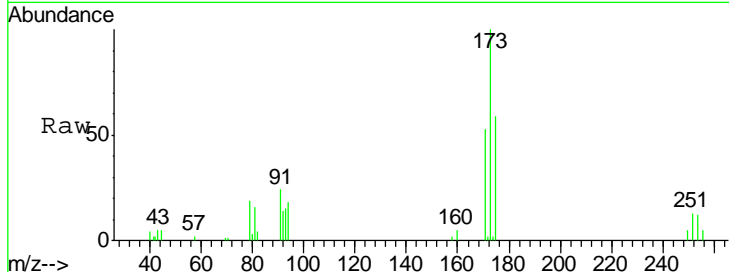
Tgt Ion	Resp	Lower	Upper
104	50080		
104	100		
78	48.1	38.4	57.6
103	53.8	43.3	64.9





#71
 Bromoform
 Concen: 5.051 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

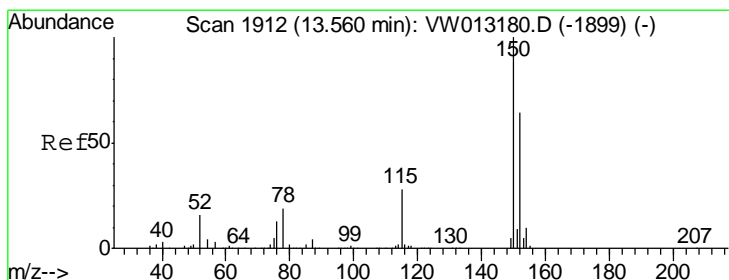
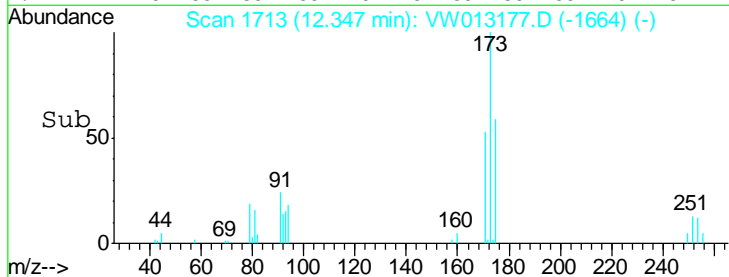
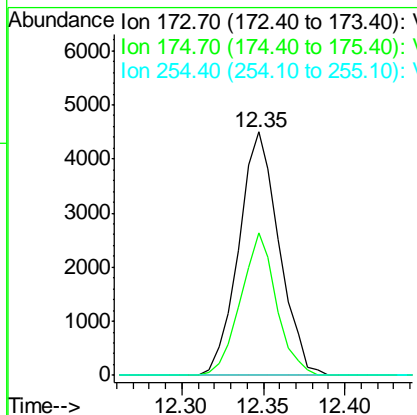
Instrument : MSVOA_W
 ClientSampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
173	100		
175	51.9	24.3	73.0
254	0.0	0.1	0.1#

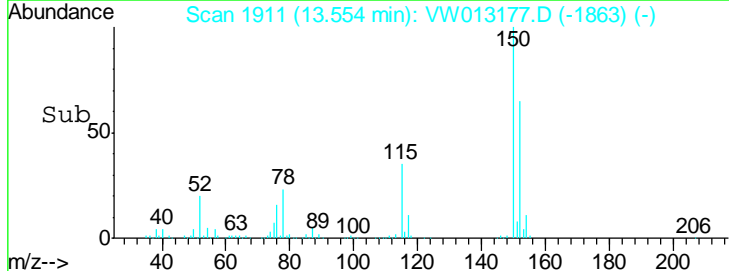
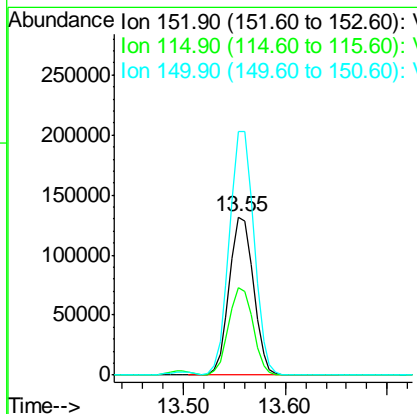
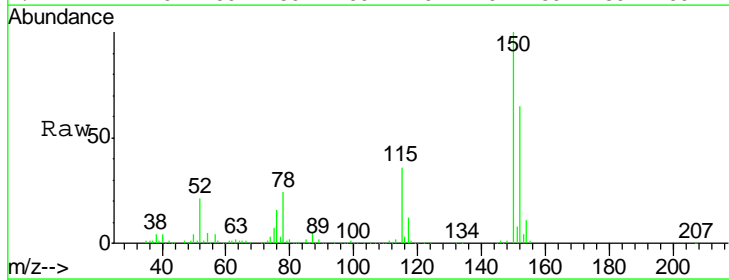
Manual Integrations
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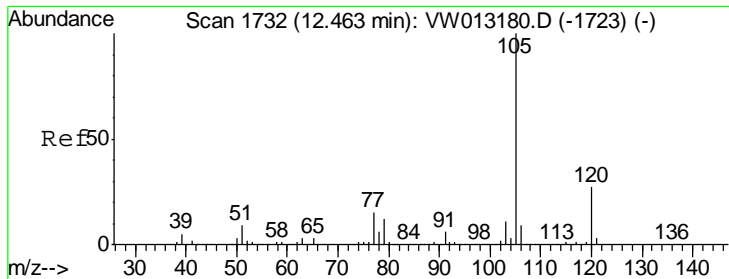
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.2	27.3	81.9
150	156.6	0.0	349.0





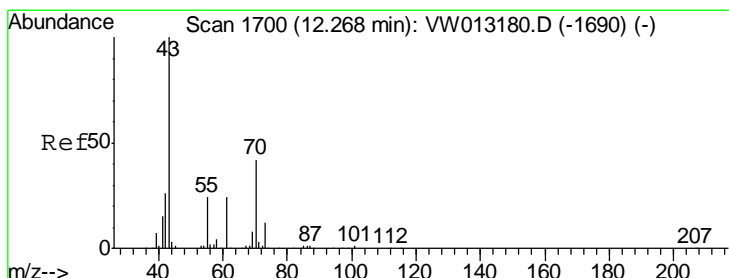
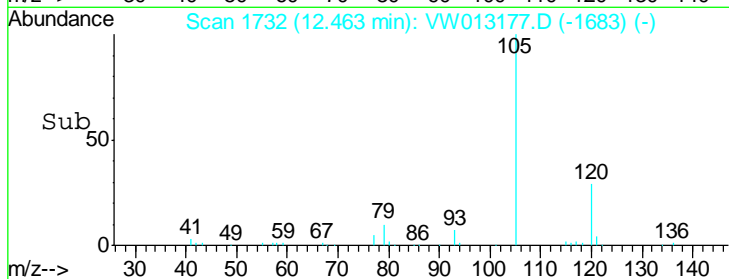
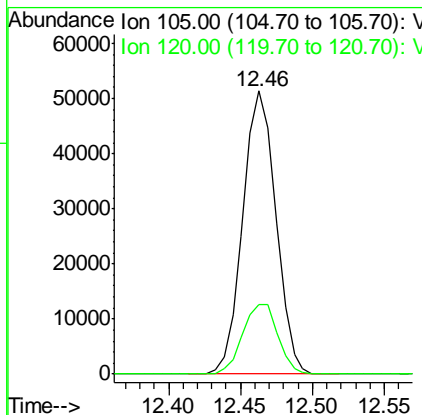
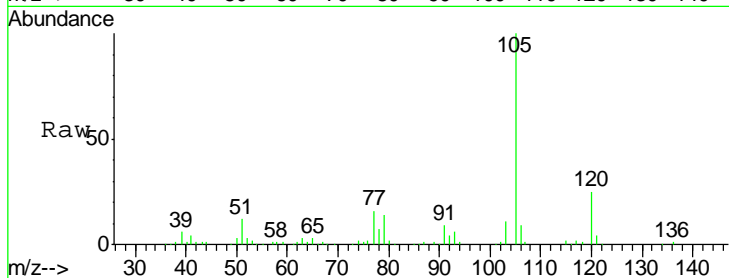
#73
 Isopropylbenzene
 Concen: 5.620 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	81858		
120	26.2	13.4	40.1

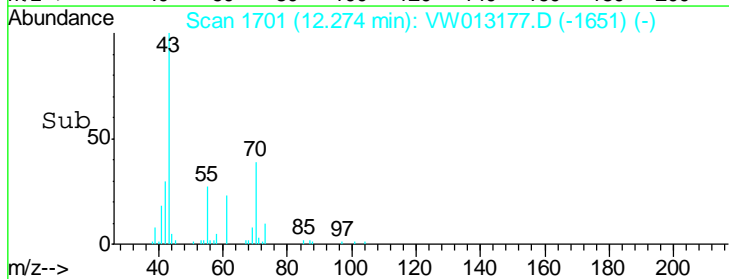
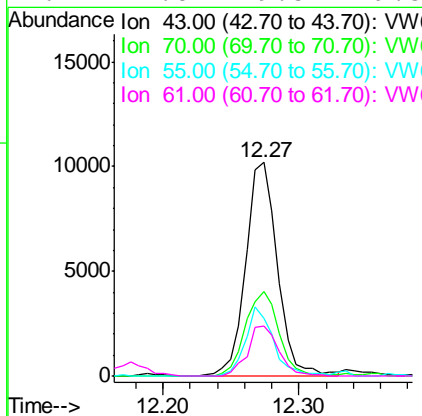
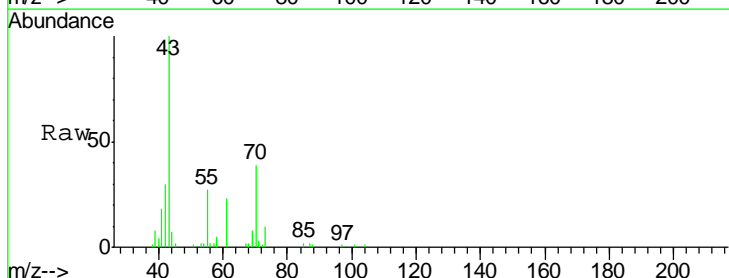
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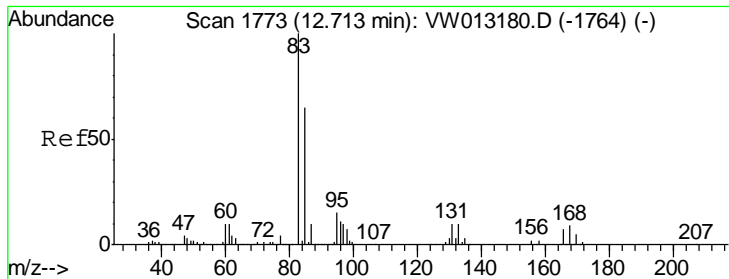
MMDadoda
 9/24/2019 5:28:40 AM



#74
 N-ethyl acetate
 Concen: 4.572 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
43	16697		
70	41.7	35.1	52.7
55	28.2	19.9	29.9
61	22.8	19.5	29.3





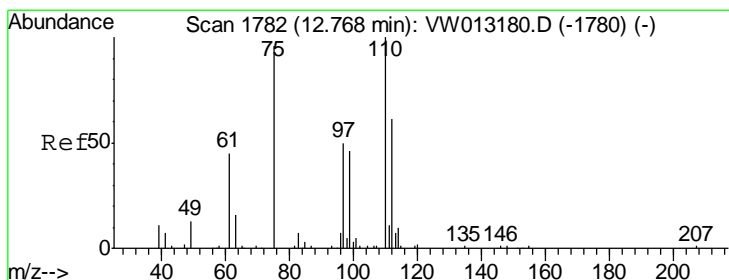
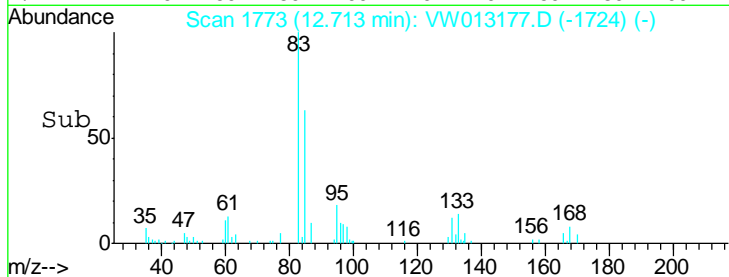
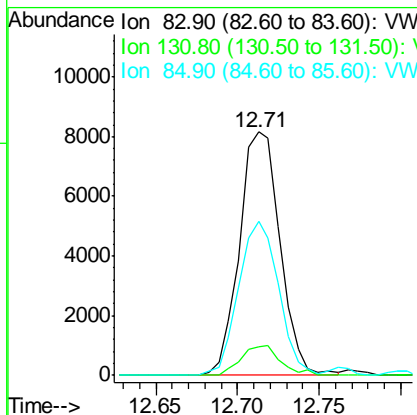
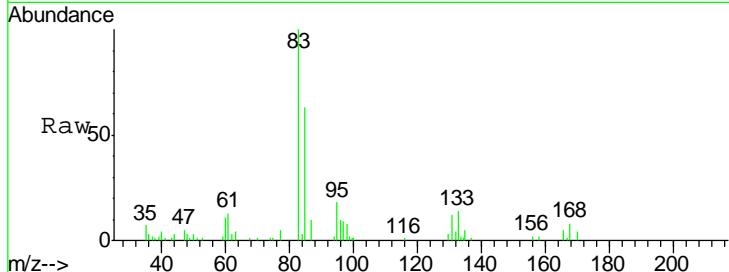
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.616 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	14141		
83	100		
131	11.9	5.4	16.2
85	62.2	31.9	95.9

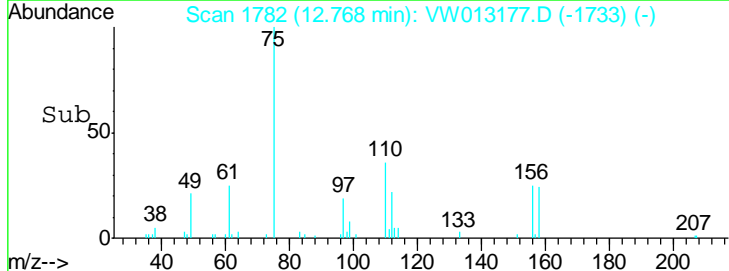
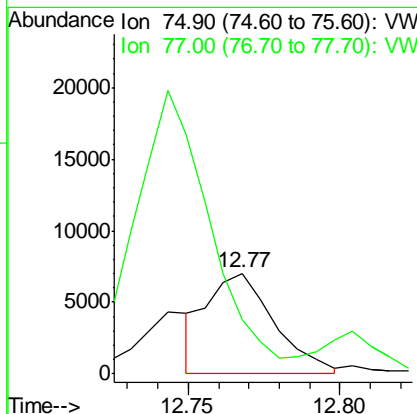
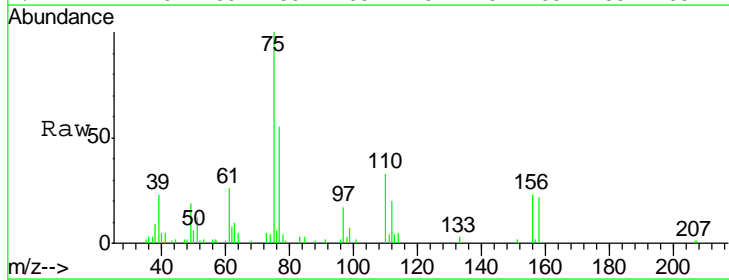
Manual Integrations
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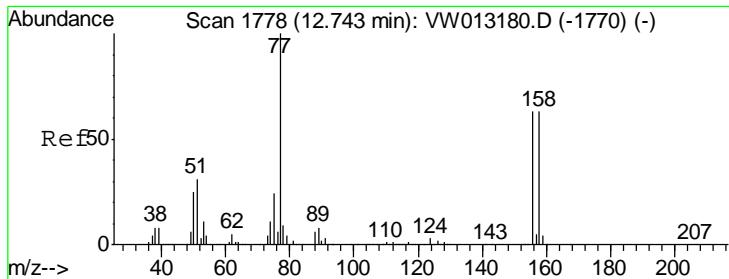
MMDadoda
 9/24/2019 5:28:40 AM



#76
 1,2,3-Trichloropropane
 Concen: 5.705 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
75	10765		
75	100		
77	0.0	0.0	0.0





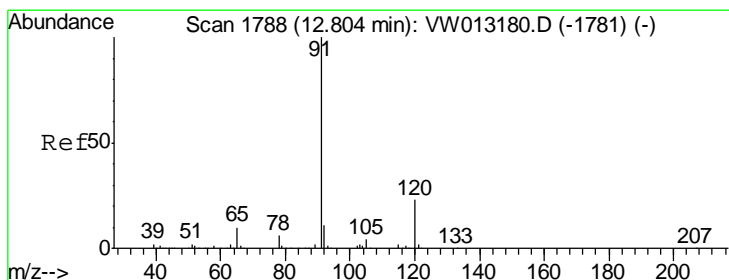
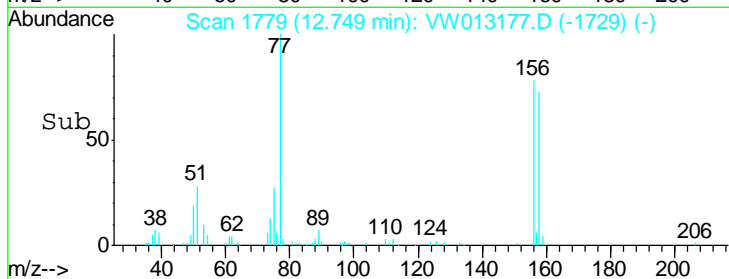
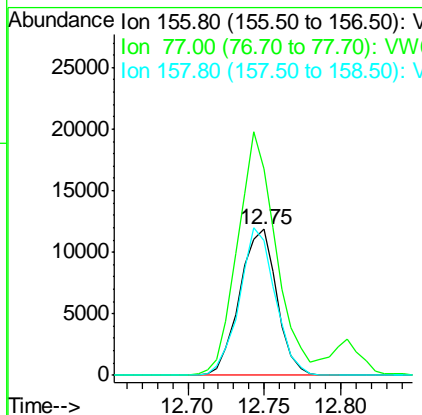
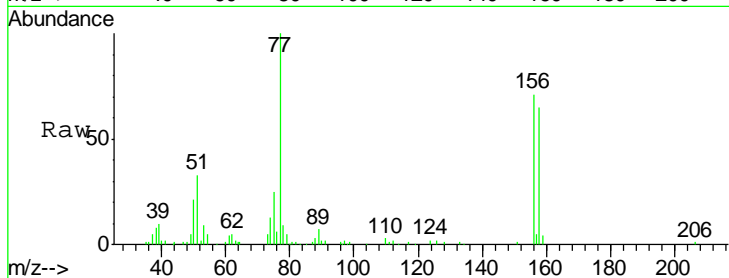
#77
 Bromobenzene
 Concen: 5.866 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	19907		
77	172.0	85.7	257.1
158	97.4	48.1	144.4

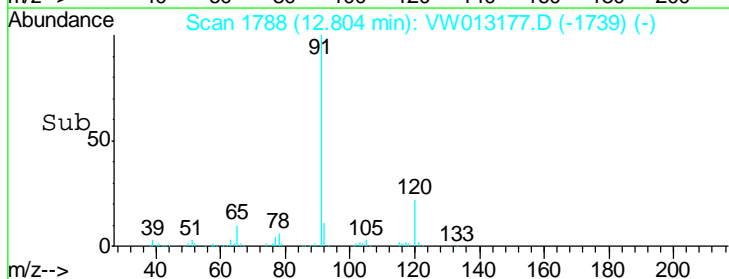
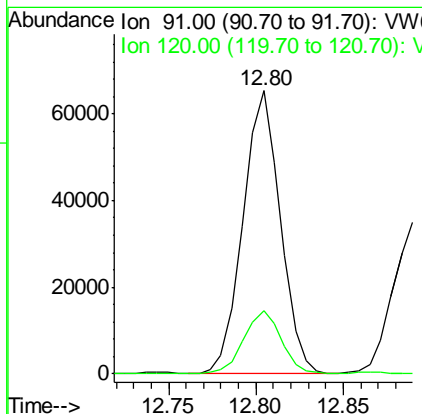
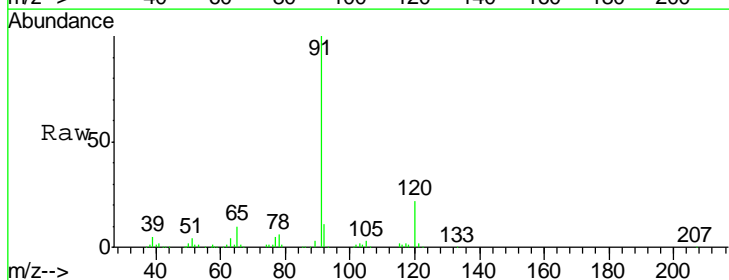
Manual Integrations
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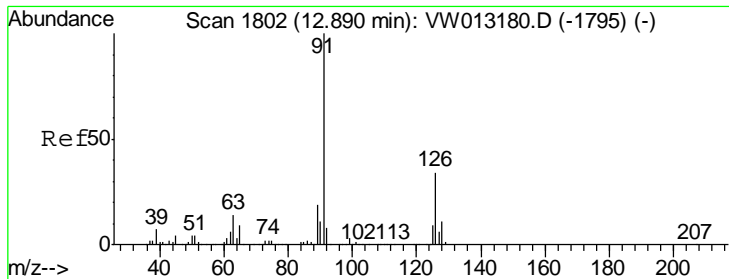
MMDadoda
 9/24/2019 5:28:40 AM



#78
 n-propylbenzene
 Concen: 5.651 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
91	96757		
120	22.4	11.7	35.1





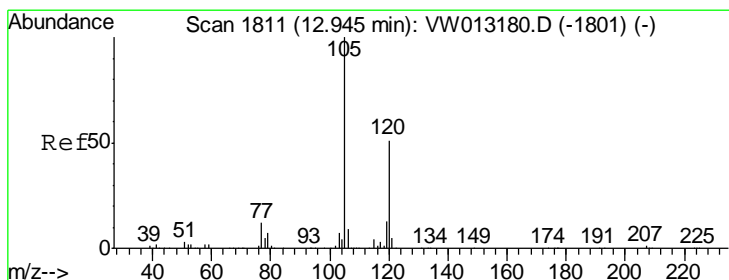
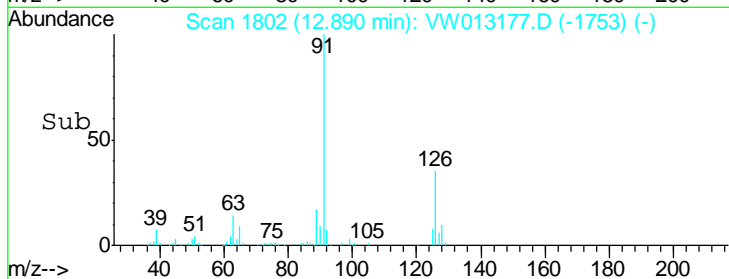
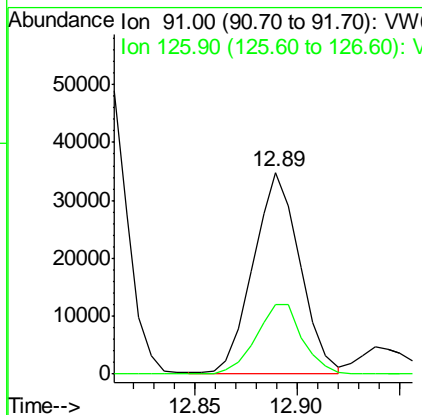
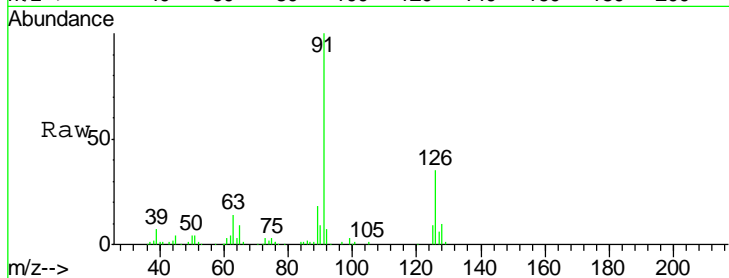
#79
 2-Chlorotoluene
 Concen: 5.647 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.6	17.2	51.5

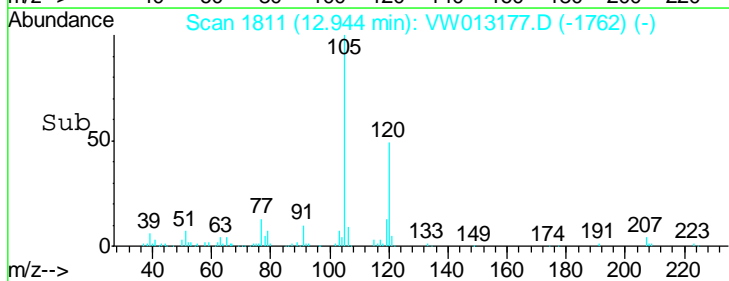
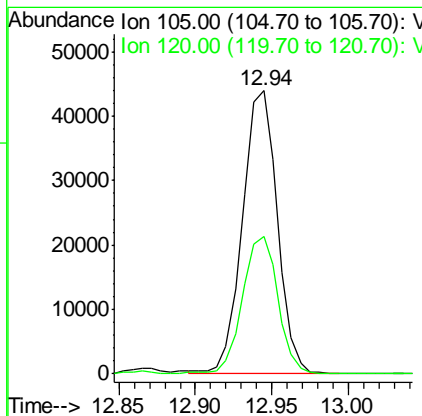
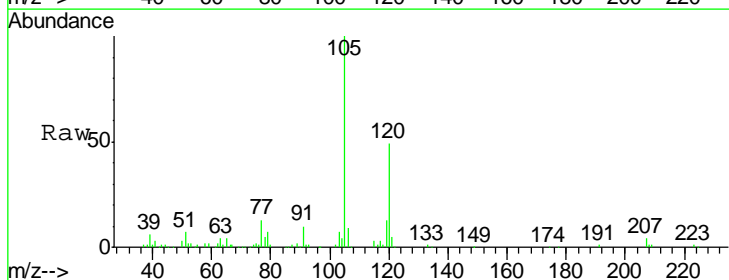
Manual Integrations
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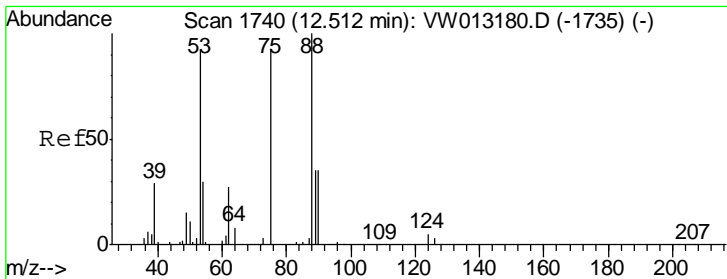
MMDadoda
 9/24/2019 5:28:40 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.639 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.5	24.9	74.8





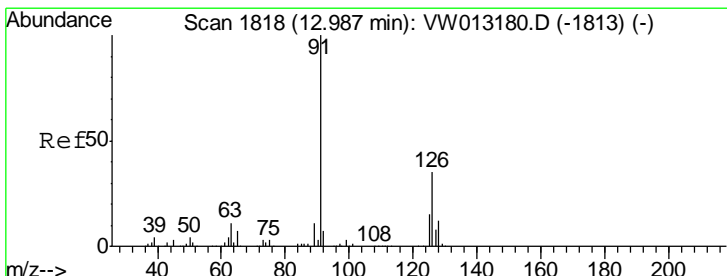
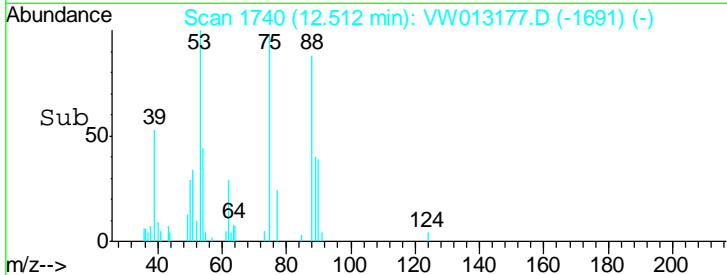
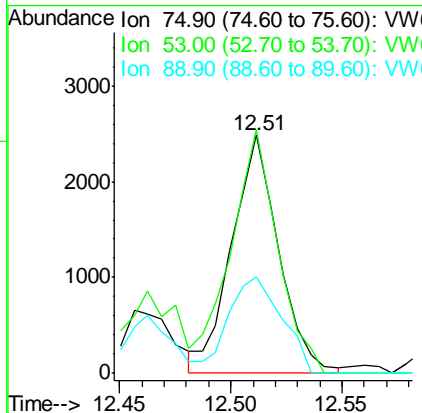
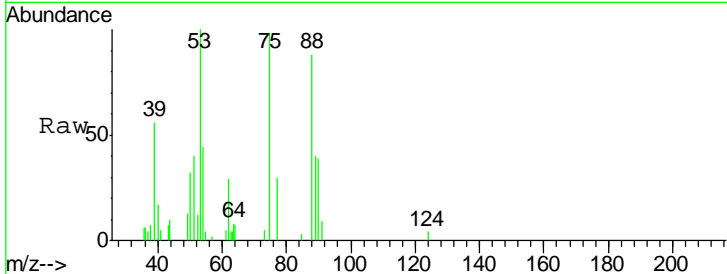
#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.386 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	3658		
75	100		
53	102.8	76.6	114.8
89	44.9	33.5	50.3

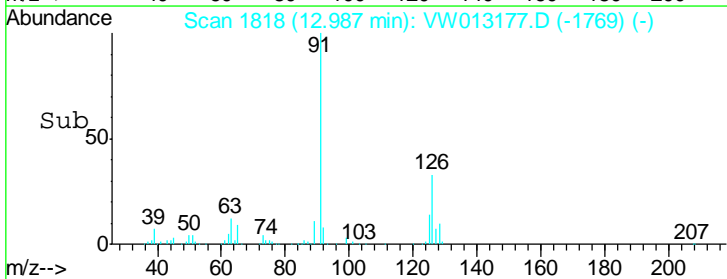
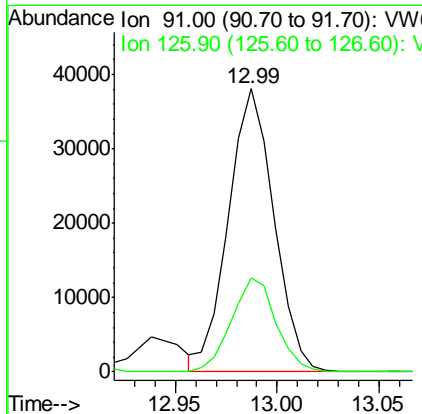
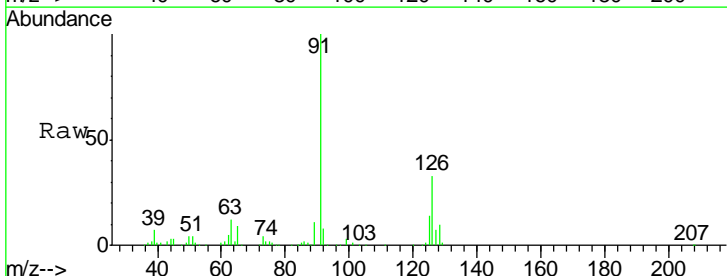
Manual Integrations
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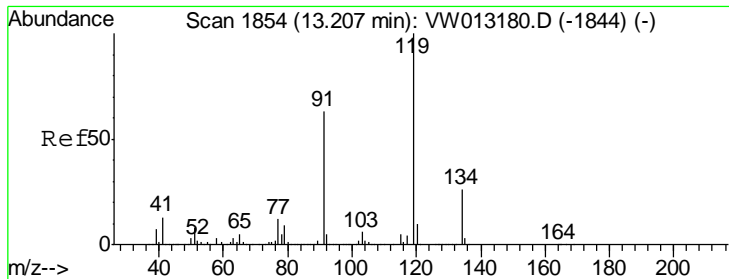
MMDadoda
 9/24/2019 5:28:40 AM



#82
 4-Chlorotoluene
 Concen: 5.713 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
91	58821		
91	100		
126	32.8	17.3	51.7





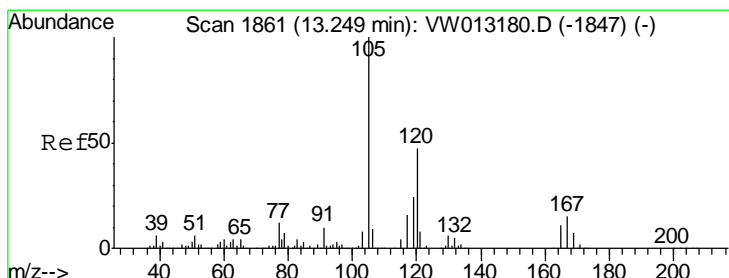
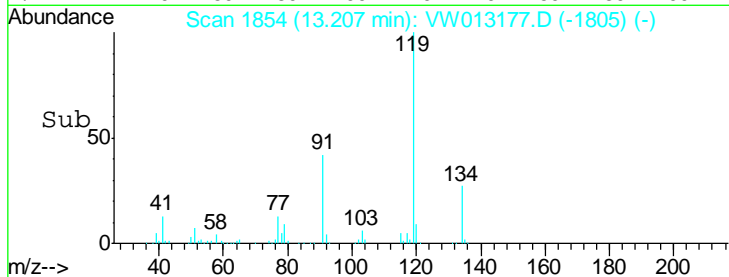
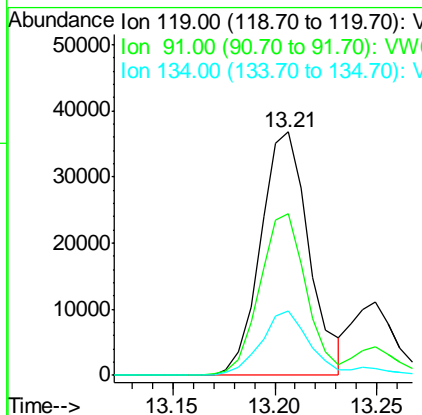
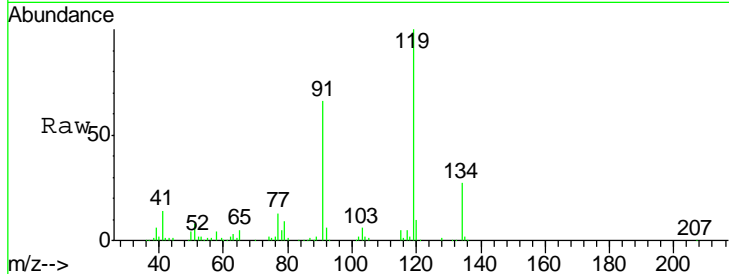
#83
 tert-Butylbenzene
 Concen: 5.532 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
119	60769		
91	63.8	30.7	92.1
134	26.6	12.6	37.6

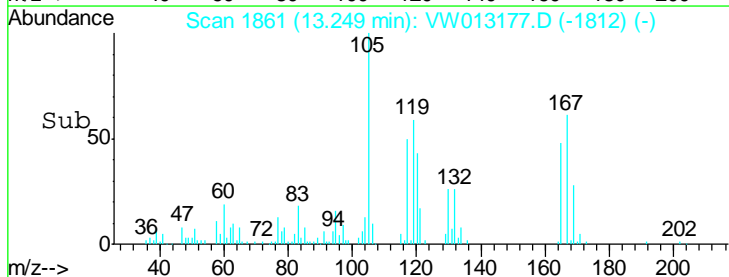
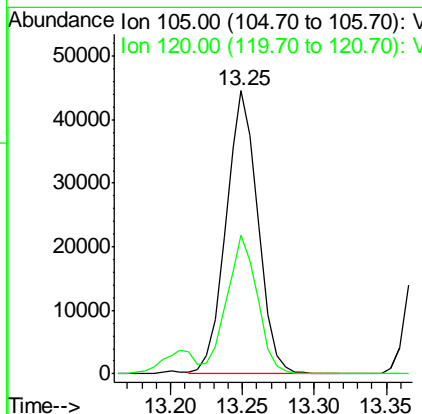
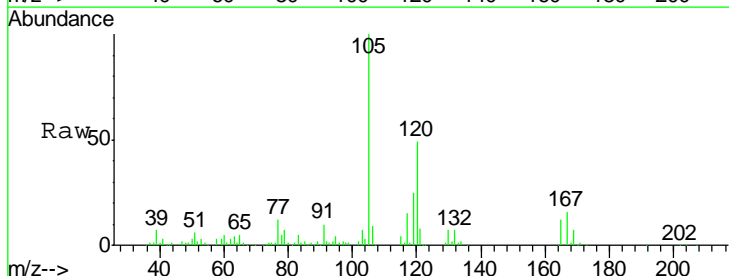
Manual Integrations
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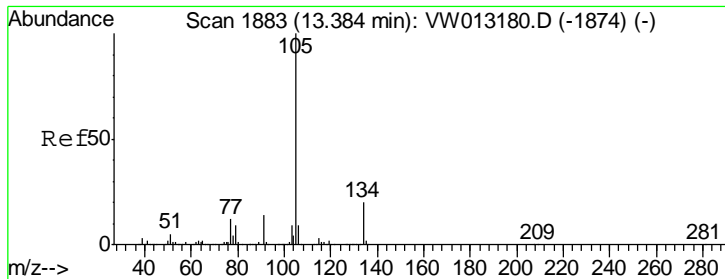
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.665 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
105	69038		
120	47.5	23.4	70.3





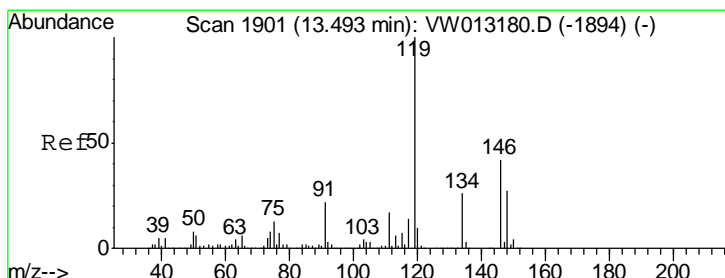
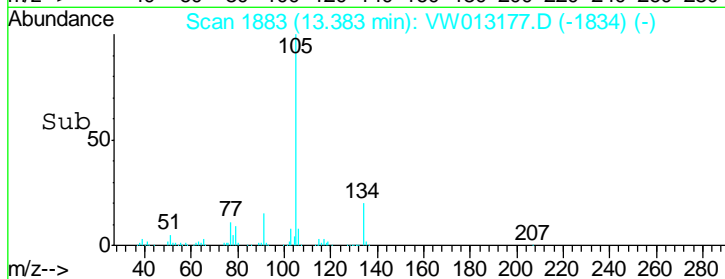
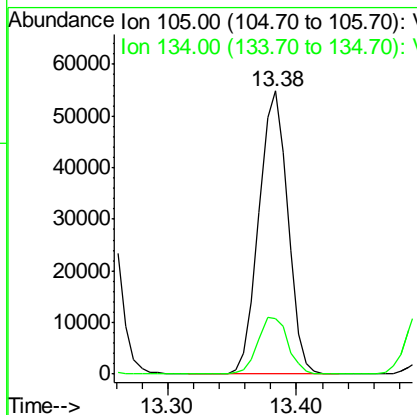
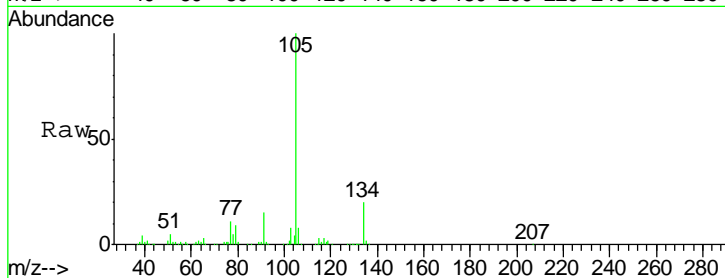
#85
 sec-Butylbenzene
 Concen: 5.675 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.7	10.3	30.8

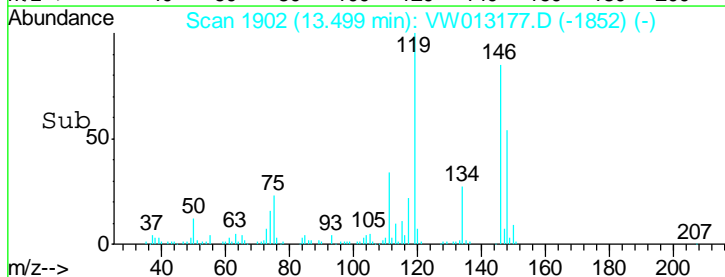
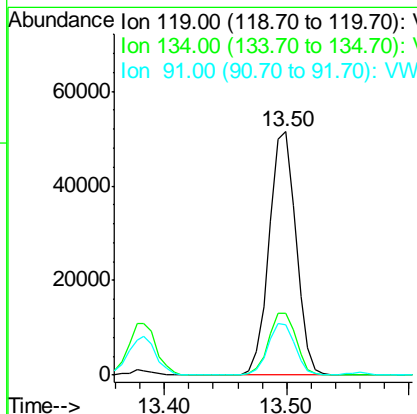
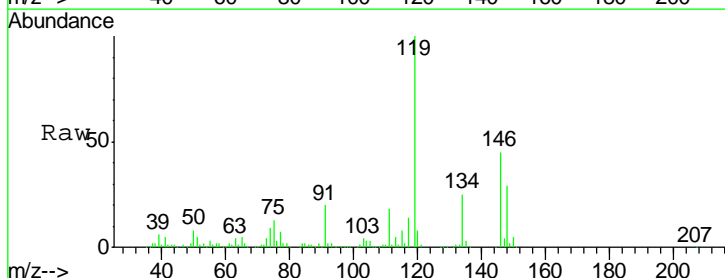
Manual Integrations
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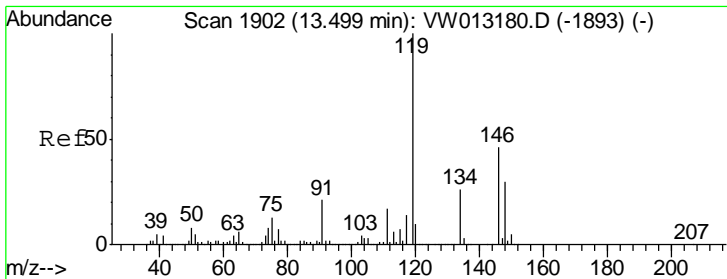
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 9/24/2019 5:28:40 AM



#86
 p-Isopropyltoluene
 Concen: 5.685 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

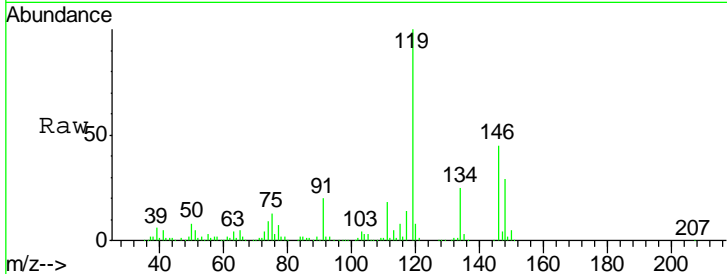
Tgt Ion	Resp	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	21.7	10.8	32.4





#87
 1,3-Dichlorobenzene
 Concen: 5.866 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

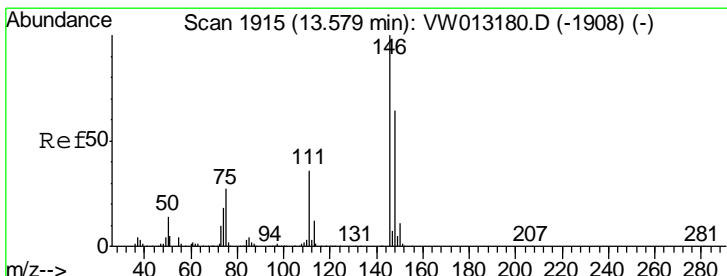
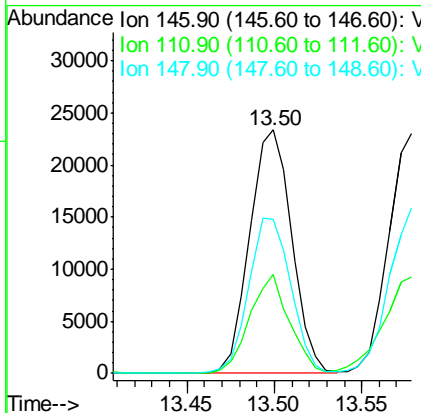
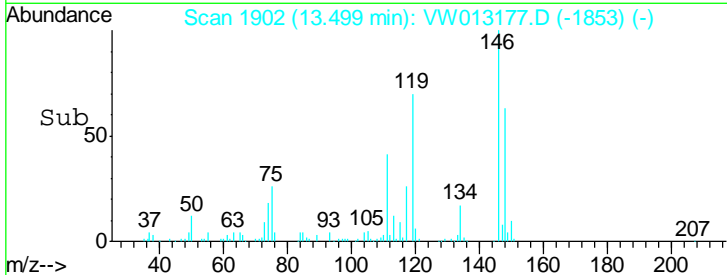
Instrument : MSVOA_W
 Client Sampled : VSTDIC005



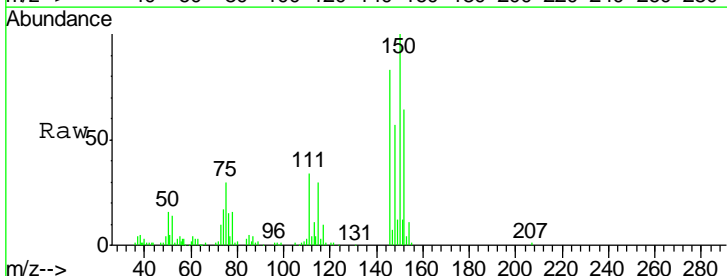
Tgt Ion: 146 Resp: 39086

Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.8	31.9	95.5

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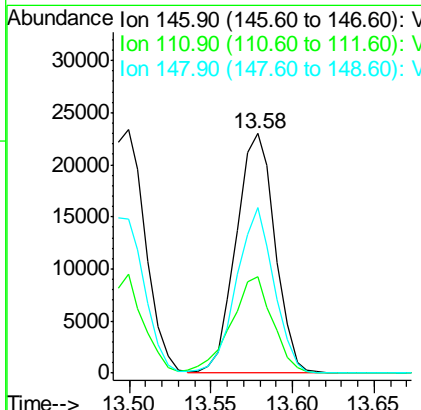
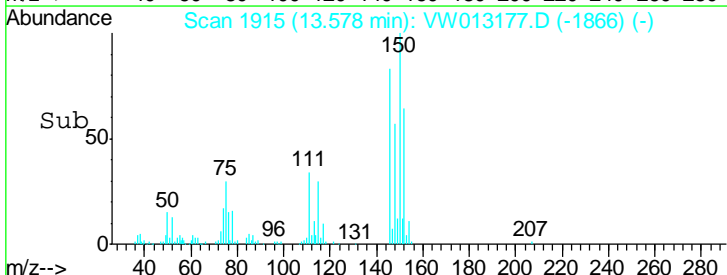


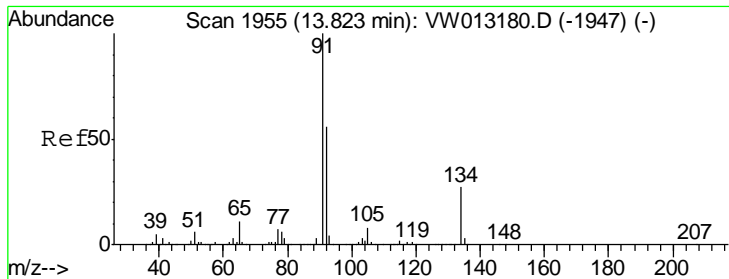
#88
 1,4-Dichlorobenzene
 Concen: 5.846 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43



Tgt Ion: 146 Resp: 38190

Ion	Ratio	Lower	Upper
146	100		
111	43.1	18.4	55.0
148	66.8	32.1	96.3





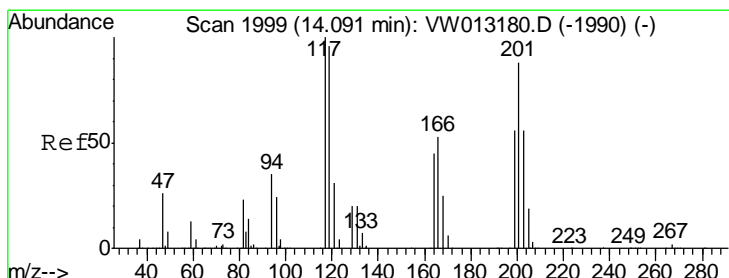
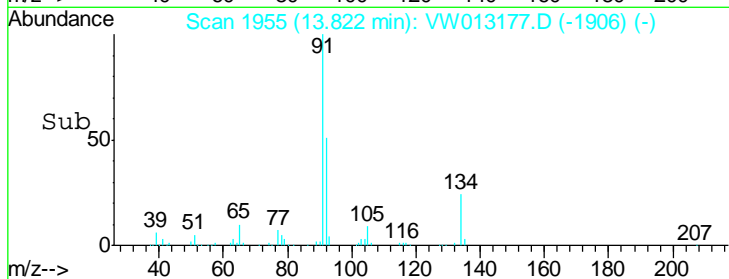
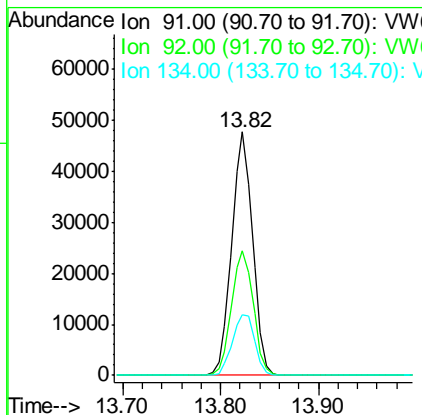
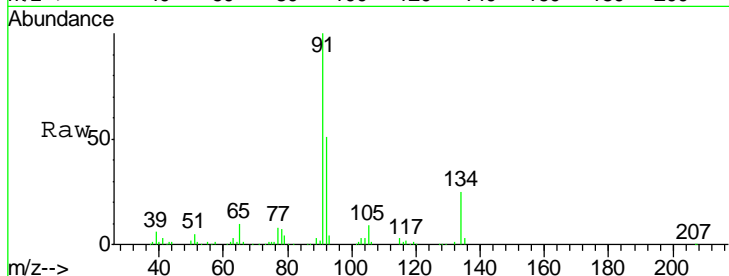
#89
 n-Butylbenzene
 Concen: 5.483 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.2	27.6	82.8
134	26.8	13.7	41.1

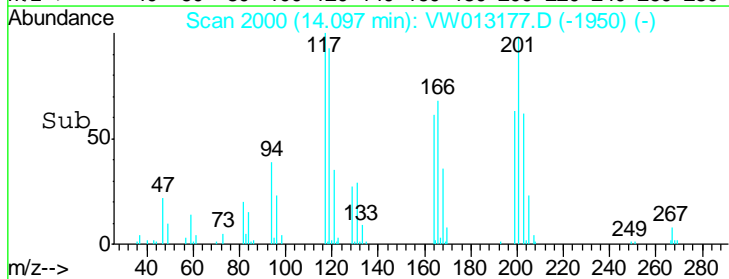
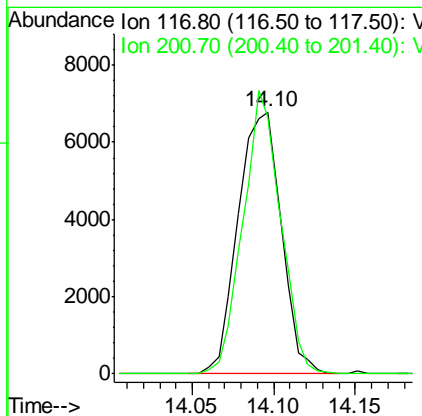
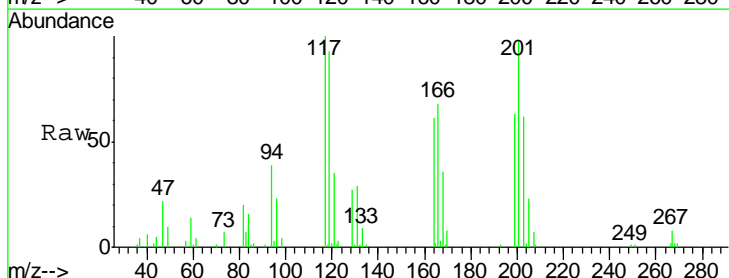
Manual Integrations
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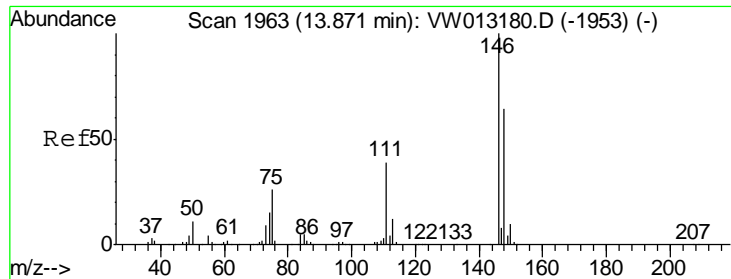
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#90
 Hexachloroethane
 Concen: 5.111 ug/l
 RT: 14.10 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
117	100		
201	93.5	44.5	133.5





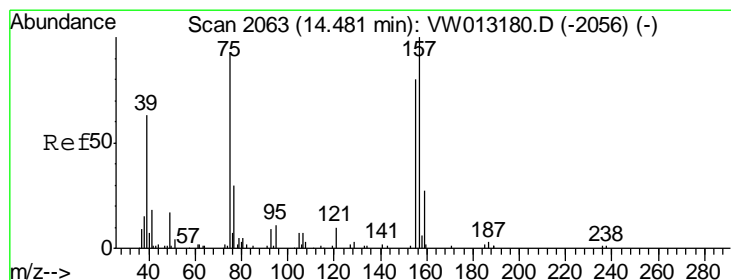
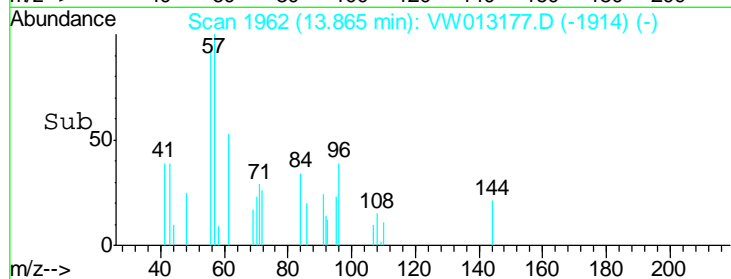
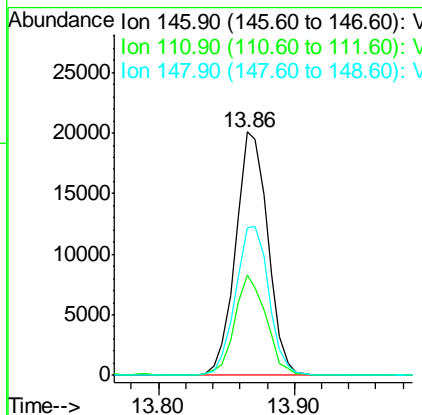
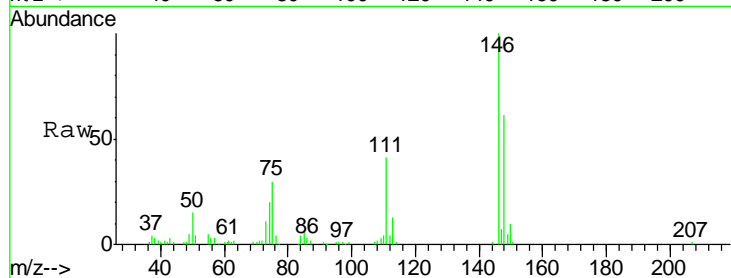
#91
 1,2-Dichlorobenzene
 Concen: 5.676 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	33176		
146	100		
111	40.1	20.1	60.3
148	63.3	32.0	96.0

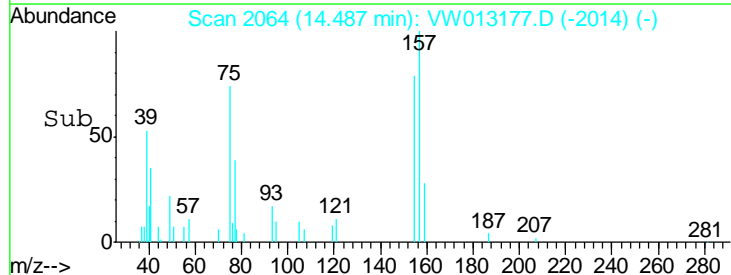
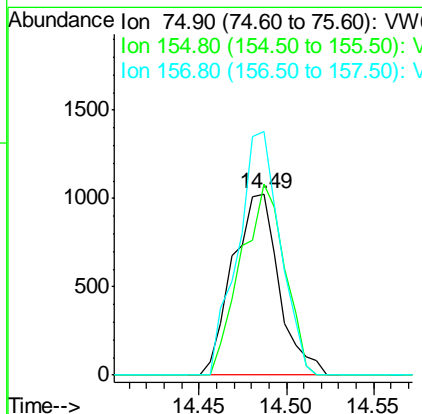
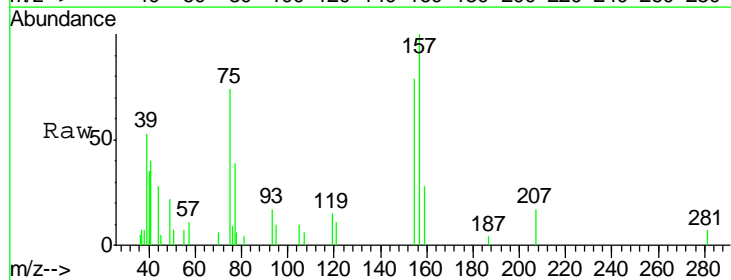
Manual Integrations
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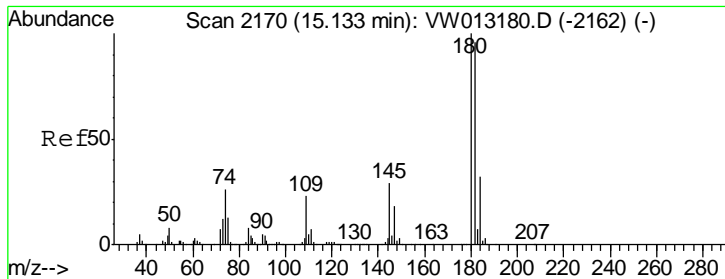
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.164 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Resp	Lower	Upper
75	1886		
75	100		
155	99.8	46.1	138.3
157	123.4	60.4	181.2





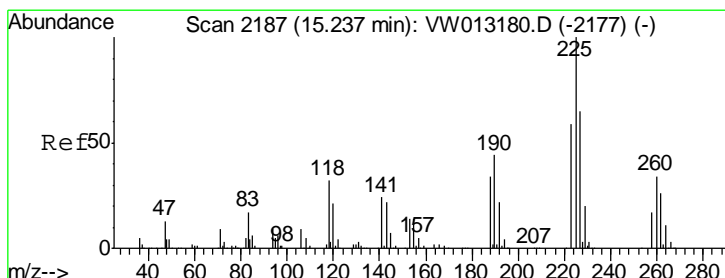
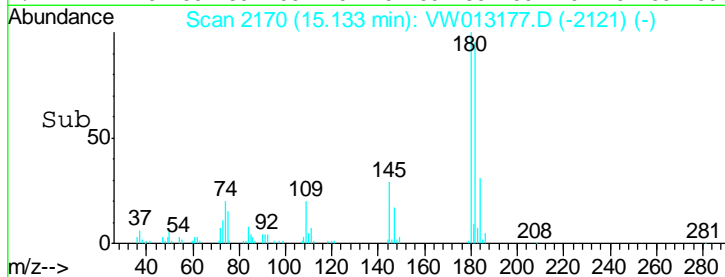
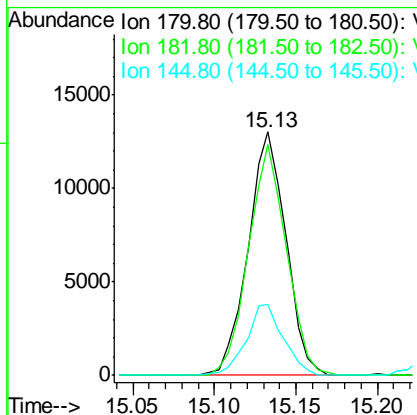
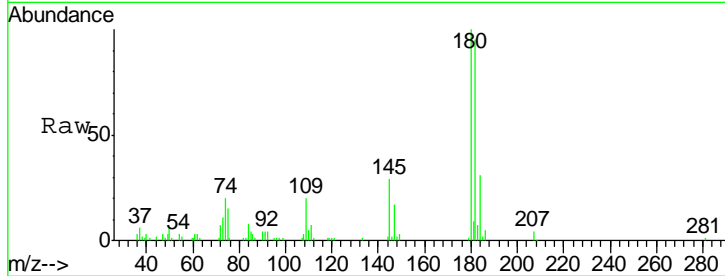
#93
 1,2,4-Trichlorobenzene
 Concen: 5.043 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
180	21061		
180	100		
182	94.7	47.3	142.0
145	28.3	14.2	42.8

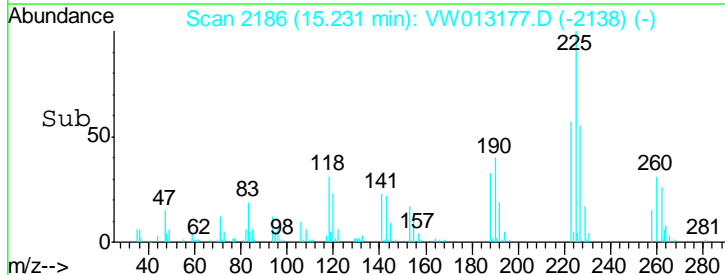
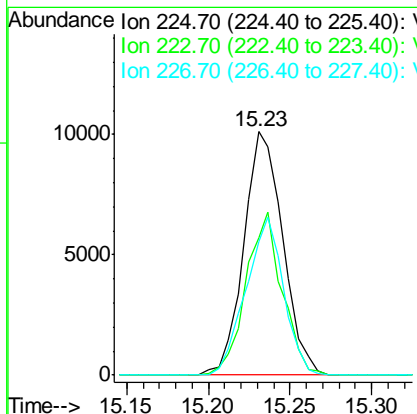
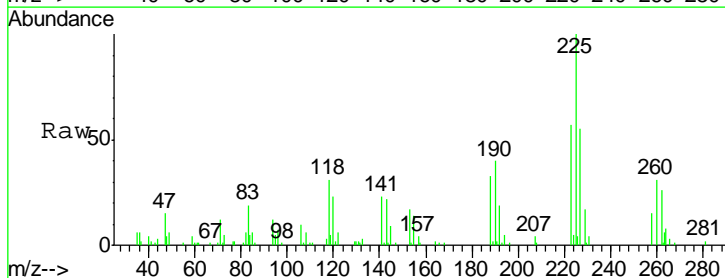
Manual Integrations
 APPROVED

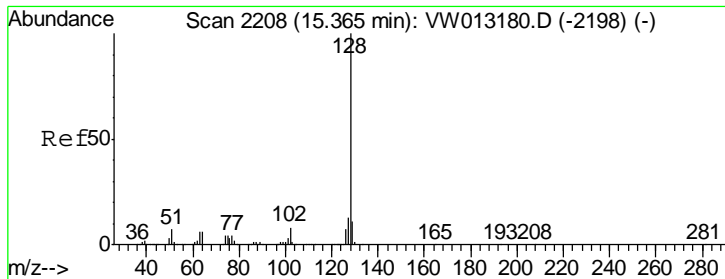
MMDadoda
 9/24/2019 5:28:40 AM



#94
 Hexachlorobutadiene
 Concen: 5.703 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

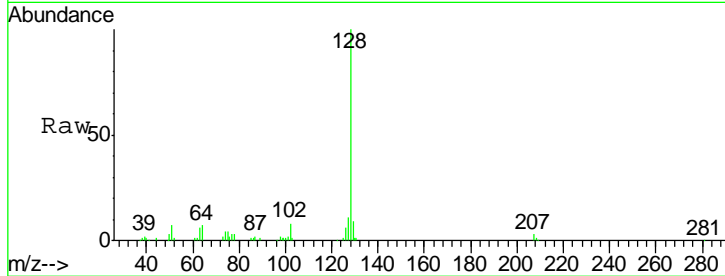
Tgt Ion	Resp	Lower	Upper
225	16777		
225	100		
223	62.4	30.6	91.8
227	62.5	31.9	95.9





#95
 Naphthalene
 Concen: 4.473 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

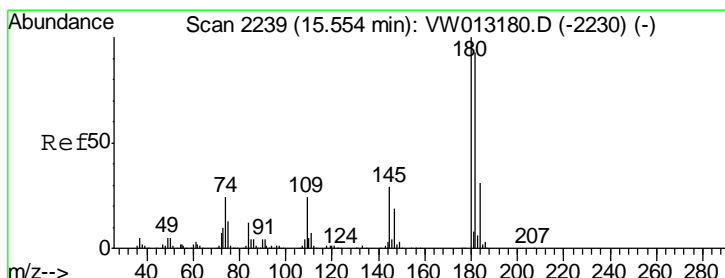
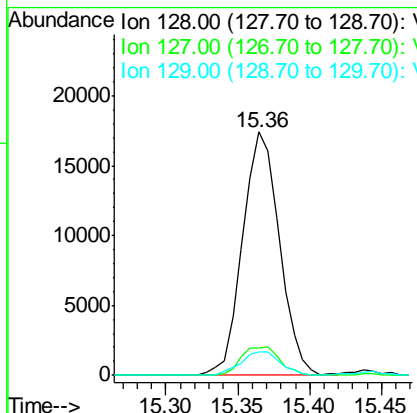
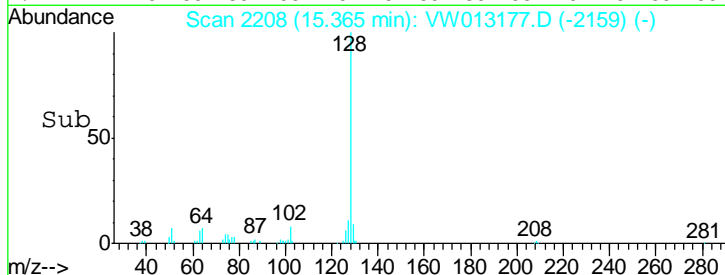
Instrument : MSVOA_W
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
128	30972		
127	12.3	10.6	15.8
129	10.5	8.7	13.1

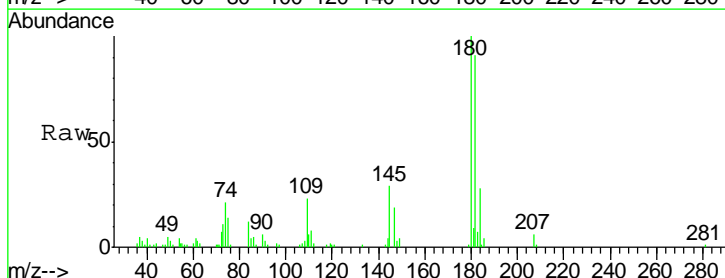
Manual Integrations
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 9/24/2019 5:28:40 AM



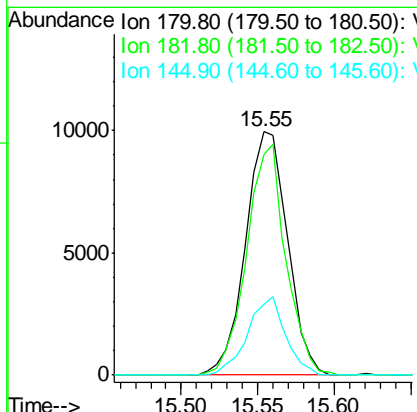
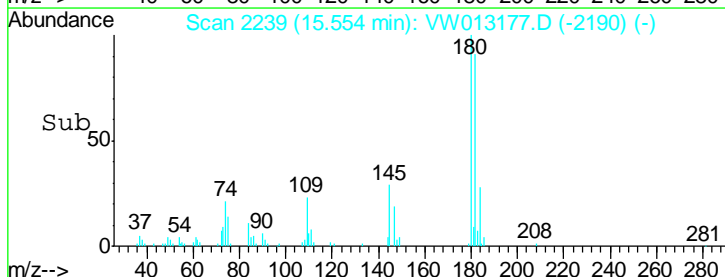
#96
 1,2,3-Trichlorobenzene
 Concen: 5.164 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument : MSVOA_W
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
180	19002		
182	88.6	47.9	143.7
145	29.2	15.0	45.0

Manual Integrations
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013178.D
 Acq On : 20 Sep 2019 13:09
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Manual Integrations
 APPROVED

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 9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	208501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	28005	9.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.50%	
35) Dibromofluoromethane	7.88	113	25651	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
50) Toluene-d8	10.32	98	109788	10.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.42%	
62) 4-Bromofluorobenzene	12.62	95	37524	10.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.46%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	18874	12.391	ug/l 100
3) Chloromethane	2.21	50	26658	13.733	ug/l 99
4) Vinyl Chloride	2.36	62	33450	13.184	ug/l 96
5) Bromomethane	2.77	94	20892	13.272	ug/l 90
6) Chloroethane	2.92	64	19296	12.465	ug/l 89
7) Trichlorofluoromethane	3.25	101	18340	10.774	ug/l 96
8) Diethyl Ether	3.68	74	15134	11.125	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31094	11.820	ug/l 98
10) Methyl Iodide	4.27	142	46009	13.376	ug/l 99
11) Tert butyl alcohol	5.19	59	13261m	56.268	ug/l
12) 1,1-Dichloroethene	4.04	96	31256	12.747	ug/l 92
13) Acrolein	3.90	56	8923	41.800	ug/l 100
14) Allyl chloride	4.67	41	48454	10.776	ug/l 99
15) Acrylonitrile	5.36	53	34311	51.228	ug/l 96
16) Acetone	4.12	43	32421	45.466	ug/l 92
17) Carbon Disulfide	4.38	76	87261	16.163	ug/l 98
18) Methyl Acetate	4.67	43	17771	10.091	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	48334	10.510	ug/l 99
20) Methylene Chloride	4.91	84	36673	12.139	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	33211	12.607	ug/l 96
22) Diisopropyl ether	6.31	45	91989	10.002	ug/l 95
23) Vinyl Acetate	6.26	43	274179	50.135	ug/l 97
24) 1,1-Dichloroethane	6.21	63	57297	10.695	ug/l 96
25) 2-Butanone	7.17	43	49151	50.788	ug/l 94
26) 2,2-Dichloropropane	7.16	77	40119	10.728	ug/l 95
27) cis-1,2-Dichloroethene	7.17	96	34638	11.234	ug/l 92
28) Bromochloromethane	7.51	49	20432	9.104	ug/l 100
29) Tetrahydrofuran	7.54	42	28757	51.458	ug/l 97
30) Chloroform	7.67	83	55997	10.409	ug/l 97
31) Cyclohexane	7.95	56	60752	12.770	ug/l # 93
32) 1,1,1-Trichloroethane	7.87	97	44070	9.931	ug/l 98
36) 1,1-Dichloropropene	8.08	75	47426	11.967	ug/l 98
37) Ethyl Acetate	7.25	43	21223	10.526	ug/l 98
38) Carbon Tetrachloride	8.07	117	41510	10.450	ug/l 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013178.D
 Acq On : 20 Sep 2019 13:09
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Manual Integrations
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 9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	58900	13.038	ug/l	95
40) Benzene	8.32	78	129223	11.680	ug/l	95
41) Methacrylonitrile	7.48	41	11168	8.501	ug/l	92
42) 1,2-Dichloroethane	8.40	62	35551	9.968	ug/l	99
43) Isopropyl Acetate	8.42	43	40008	10.367	ug/l	96
44) Trichloroethene	9.09	130	36361	11.918	ug/l	96
45) 1,2-Dichloropropane	9.37	63	31325	10.854	ug/l	97
46) Dibromomethane	9.46	93	15376	11.094	ug/l	98
47) Bromodichloromethane	9.65	83	37513	9.817	ug/l	99
48) Methyl methacrylate	9.43	41	17544	9.665	ug/l	96
49) 1,4-Dioxane	9.47	88	5625	253.353	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	98882	49.840	ug/l	99
52) Toluene	10.38	92	81487	11.579	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	38188	9.883	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	46696	10.467	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	23171	11.011	ug/l	98
56) Ethyl methacrylate	10.65	69	29659	10.534	ug/l	98
57) 1,3-Dichloropropane	10.93	76	39410	10.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	66878	44.898	ug/l	99
59) 2-Hexanone	10.97	43	67971	49.461	ug/l	98
60) Dibromochloromethane	11.13	129	25005	9.949	ug/l	99
61) 1,2-Dibromoethane	11.23	107	21963	11.405	ug/l	99
64) Tetrachloroethene	10.86	164	32700	12.752	ug/l	97
65) Chlorobenzene	11.66	112	85873	11.391	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	28507	10.071	ug/l	99
67) Ethyl Benzene	11.73	91	156458	11.280	ug/l	100
68) m/p-Xylenes	11.84	106	118473	23.179	ug/l	98
69) o-Xylene	12.16	106	55682	11.653	ug/l	96
70) Styrene	12.18	104	93708	11.067	ug/l	99
71) Bromoform	12.35	173	15868	10.729	ug/l #	94
73) Isopropylbenzene	12.46	105	155238	11.056	ug/l	98
74) N-amyl acetate	12.27	43	34016	9.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	27148	11.186	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	21418m	11.775	ug/l	
77) Bromobenzene	12.74	156	36763	11.239	ug/l	99
78) n-propylbenzene	12.80	91	179298	10.863	ug/l	100
79) 2-Chlorotoluene	12.89	91	99958	10.571	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	130851	11.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7959	9.901	ug/l	96
82) 4-Chlorotoluene	12.99	91	106651	10.747	ug/l	99
83) tert-Butylbenzene	13.21	119	114730	10.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	130873	11.142	ug/l	99
85) sec-Butylbenzene	13.38	105	156924	10.843	ug/l	99
86) p-Isopropyltoluene	13.50	119	145560	10.939	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	70517	10.979	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	68872	10.938	ug/l	97
89) n-Butylbenzene	13.82	91	127894	10.246	ug/l	100
90) Hexachloroethane	14.09	117	23855	10.083	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	60476	10.735	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4236	9.704	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013178.D
 Acq On : 20 Sep 2019 13:09
 Operator : SY/VA
 Sample : VSTDICC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
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 9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	40521	10.066	ug/l	98
94) Hexachlorobutadiene	15.24	225	29370	10.358	ug/l	97
95) Naphthalene	15.36	128	63940	9.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	34535	9.737	ug/l	98

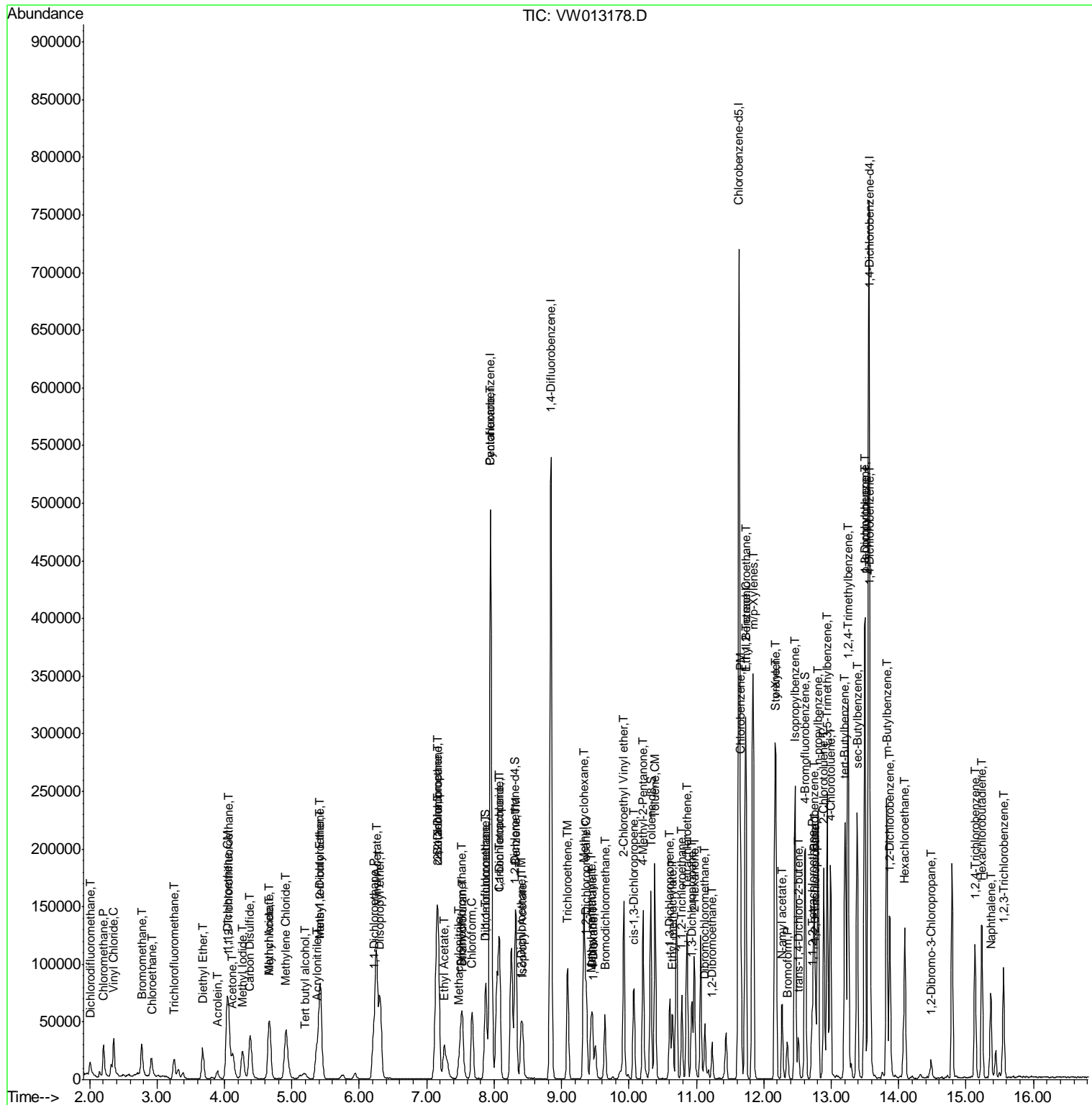
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013178.D
Acq On : 20 Sep 2019 13:09
Operator : SY/VA
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

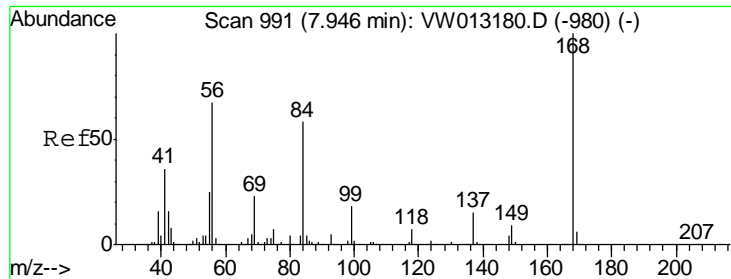
Instrument : MSVOA_W
Client Sampled : VSTDICC010

Manual Integrations APPROVED
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9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 14:51:18 2019
Response via : Initial Calibration



- 1
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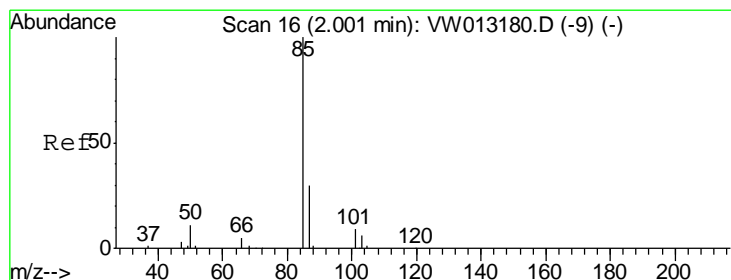
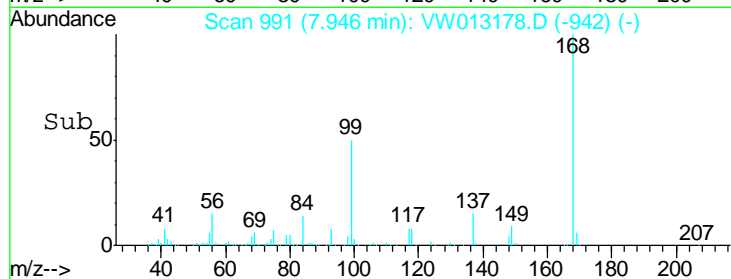
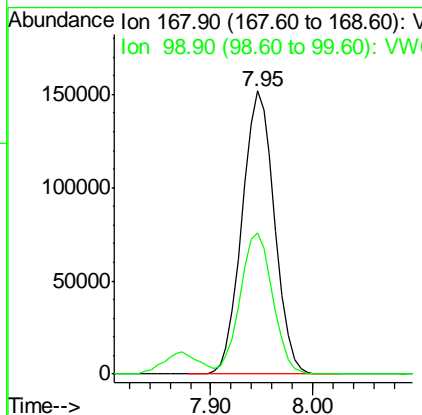
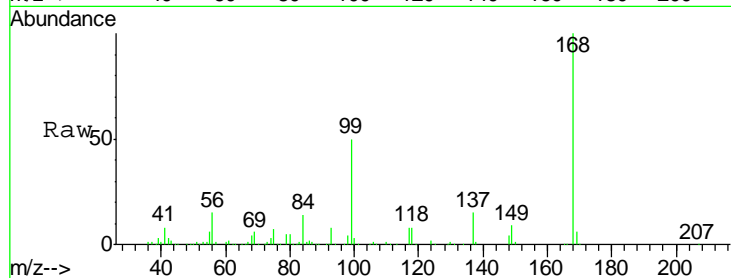
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.9	40.2	60.4

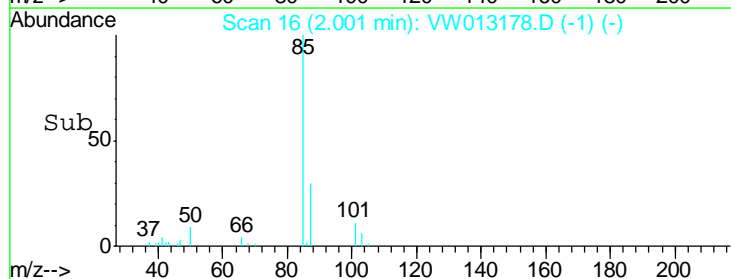
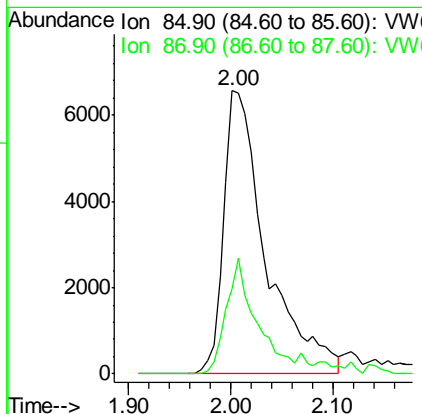
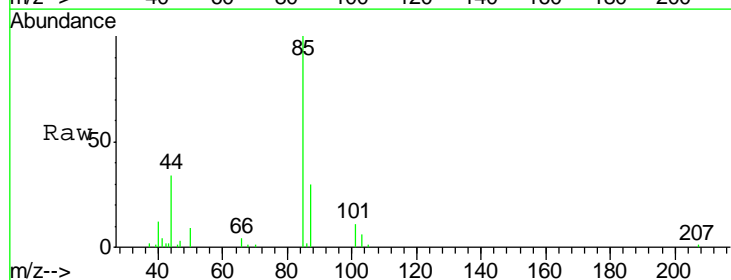
Manual Integrations
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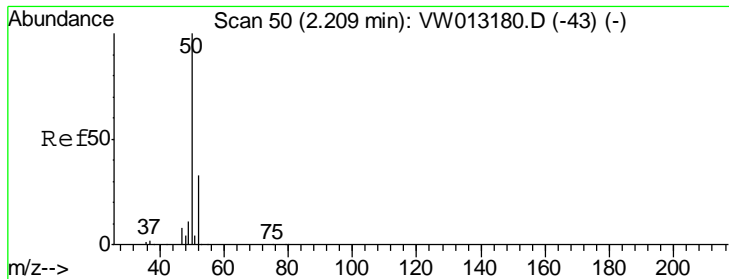
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 9/24/2019 5:28:42 AM



#2
 Dichlorodifluoromethane
 Concen: 12.391 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.2	15.1	45.3



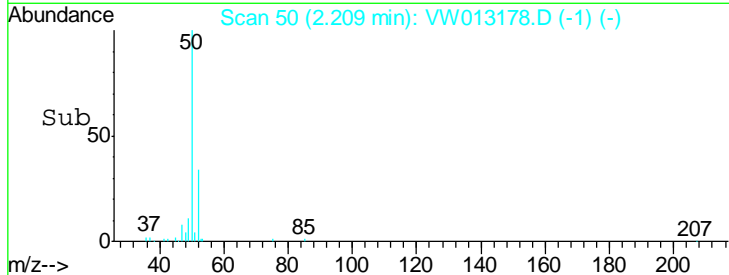
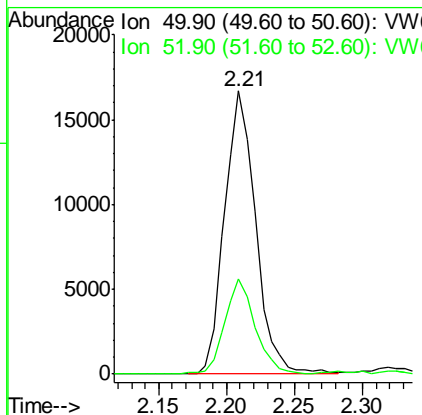
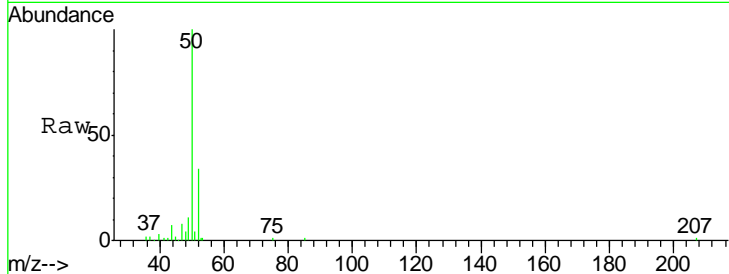


#3
 Chloromethane
 Concen: 13.733 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.2	26.1	39.1

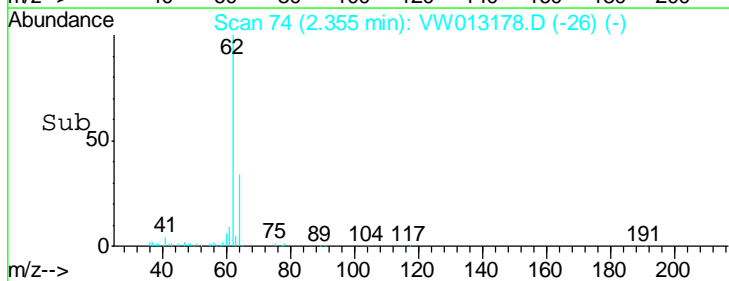
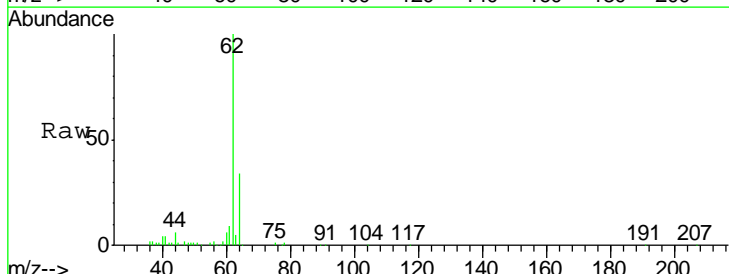
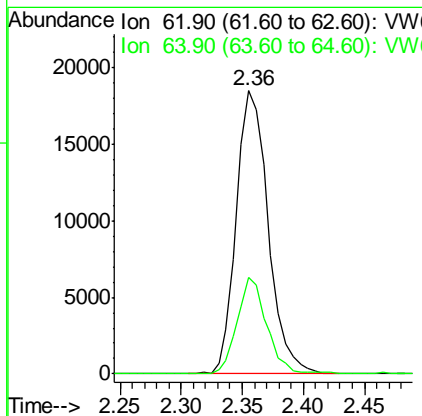
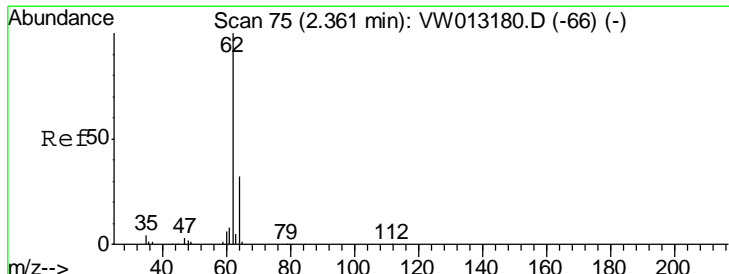
Instrument : MSVOA_W
 ClientSampled : VSTDIC010

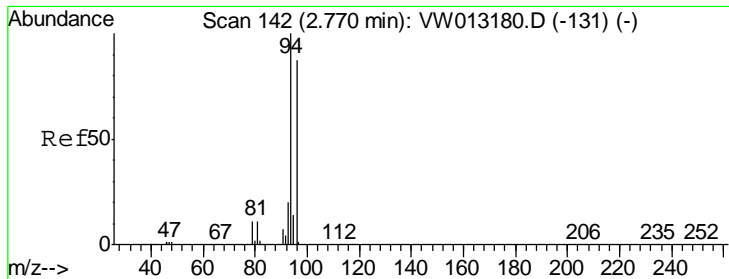
Manual Integrations APPROVED
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 9/24/2019 5:28:42 AM



#4
 Vinyl Chloride
 Concen: 13.184 ug/l
 RT: 2.36 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
62	100		
64	34.0	25.3	37.9



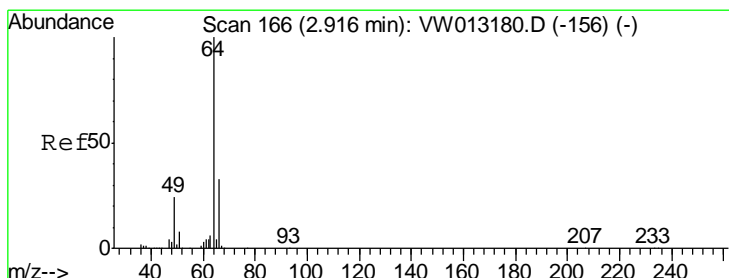
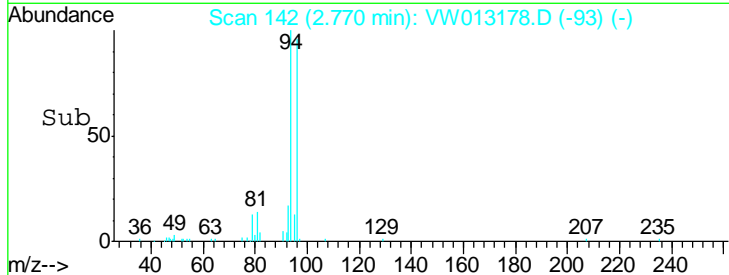
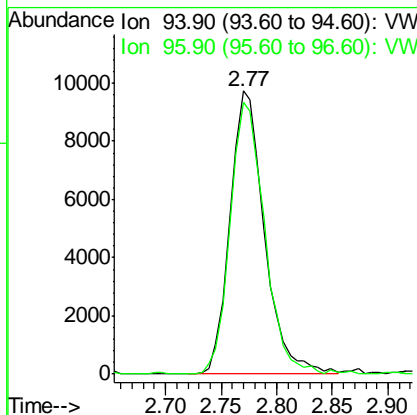
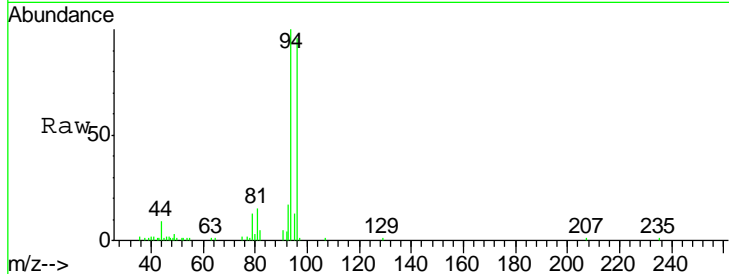


#5
 Bromomethane
 Concen: 13.272 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
94	100		
96	96.1	69.7	104.5

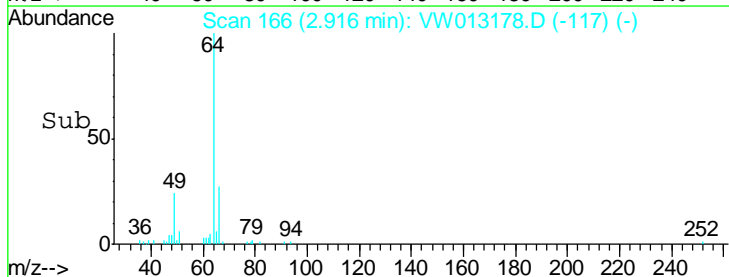
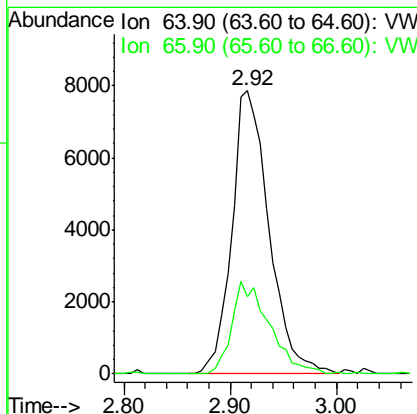
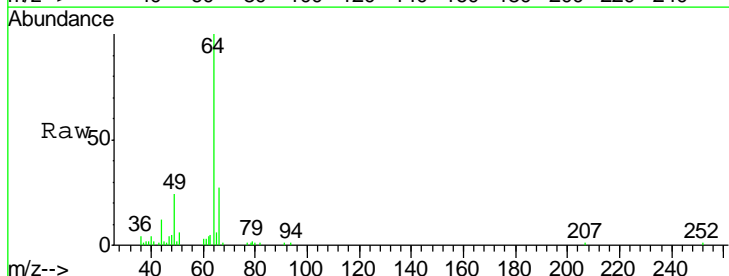
Instrument : MSVOA_W
 Client Sampled : VSTDIC010

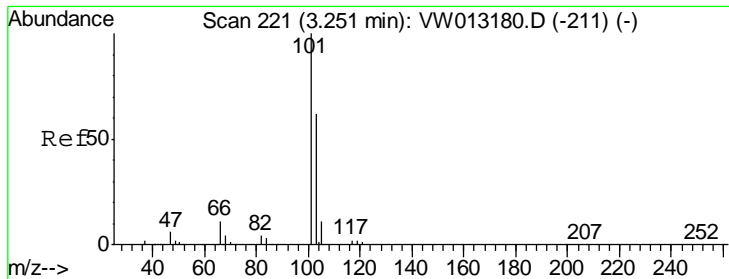
Manual Integrations APPROVED
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 9/24/2019 5:28:42 AM



#6
 Chloroethane
 Concen: 12.465 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
64	100		
66	27.2	26.6	39.8



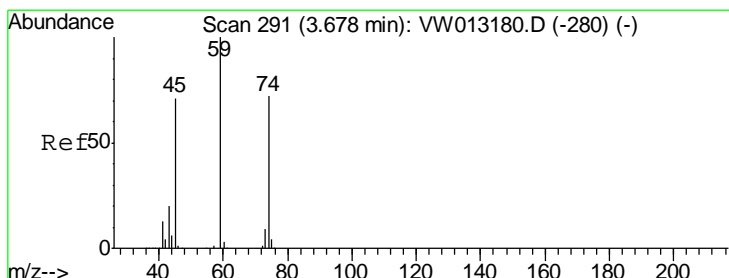
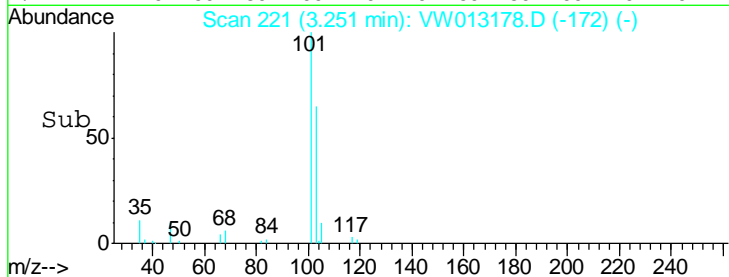
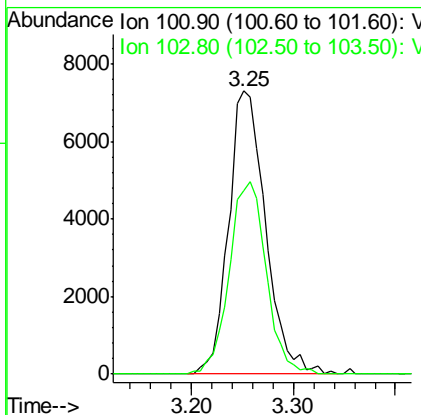
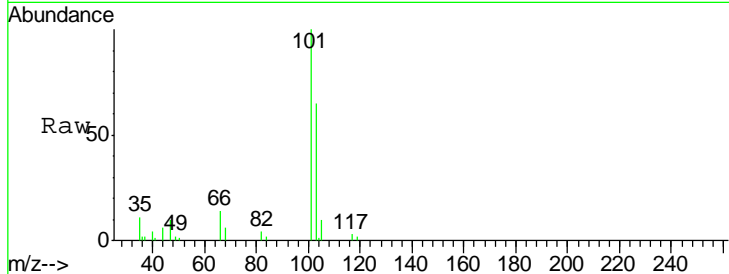


#7
 Trichlorofluoromethane
 Concen: 10.774 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
101	18340		
103	64.8	49.7	74.5

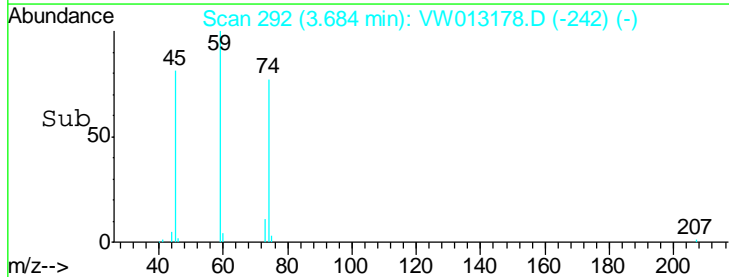
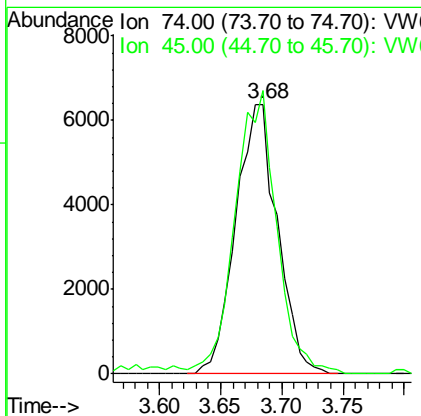
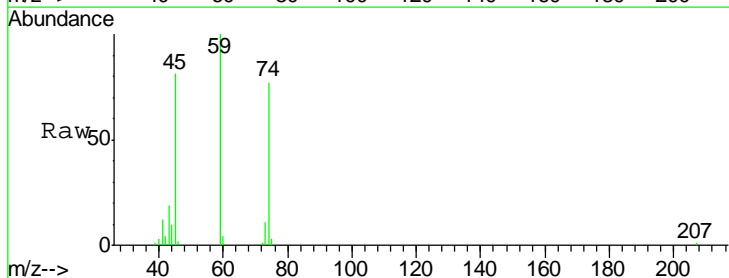
Instrument : MSVOA_W
 ClientSampled : VSTDIC010

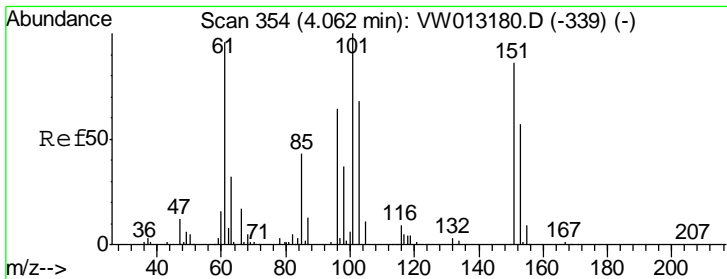
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#8
 Diethyl Ether
 Concen: 11.125 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
74	15134		
45	104.4	49.5	148.7





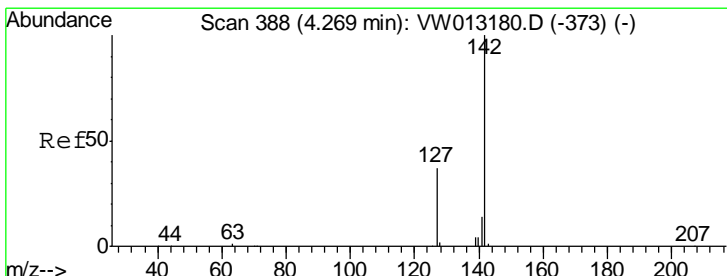
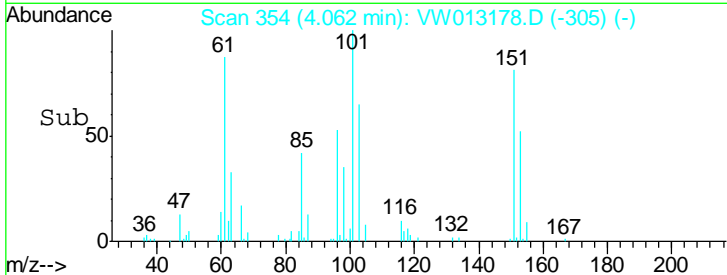
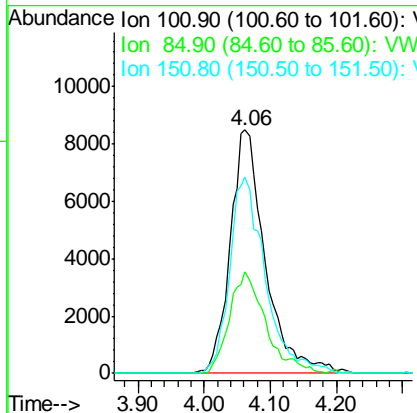
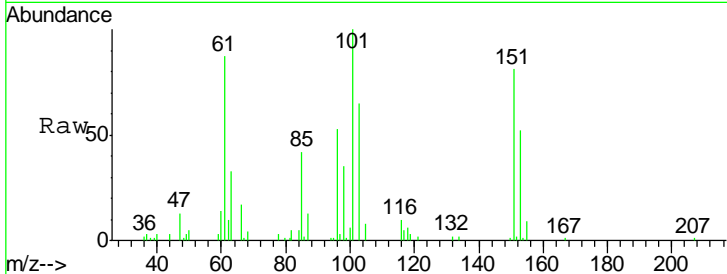
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.820 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
101	31094		
101	100		
85	40.4	33.4	50.0
151	82.3	66.9	100.3

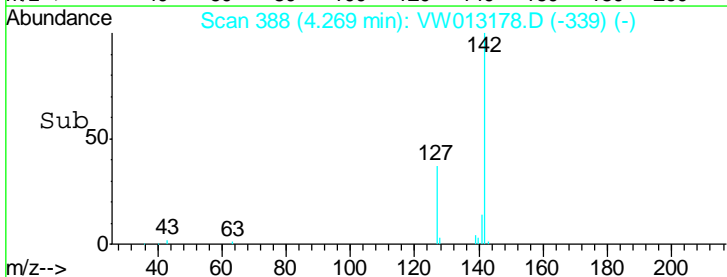
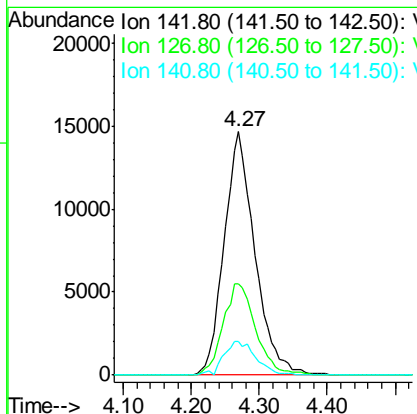
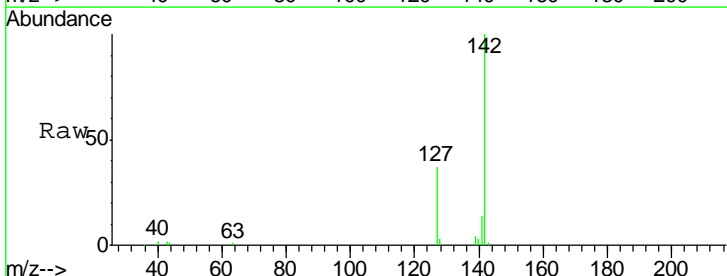
Manual Integrations
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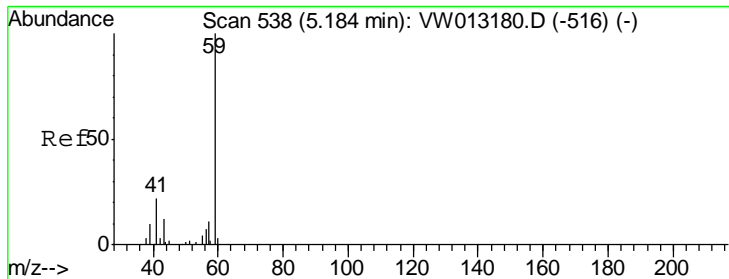
MMDadoda
 9/24/2019 5:28:42 AM



#10
 Methyl Iodide
 Concen: 13.376 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
142	46009		
142	100		
127	39.8	30.9	46.3
141	14.6	11.7	17.5





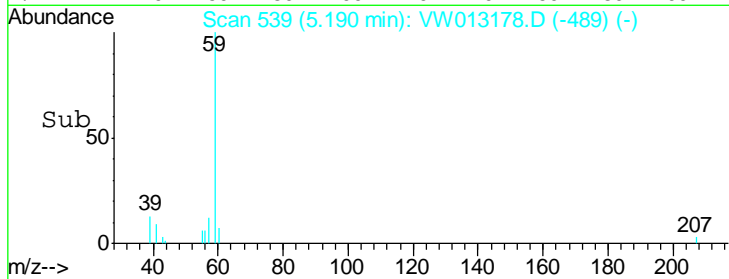
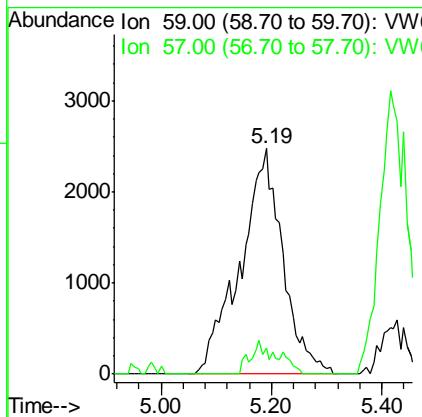
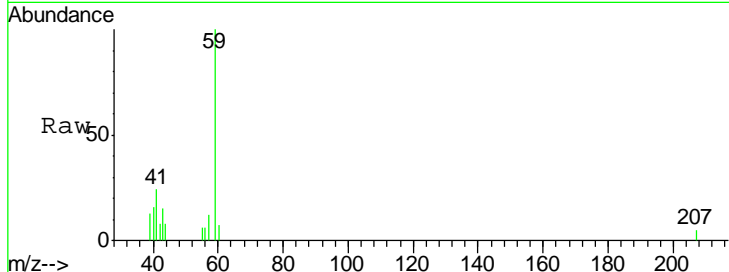
#11
 Tert butyl alcohol
 Concen: 56.268 ug/l m
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
59	13261		
57	3.4	8.2	12.2#

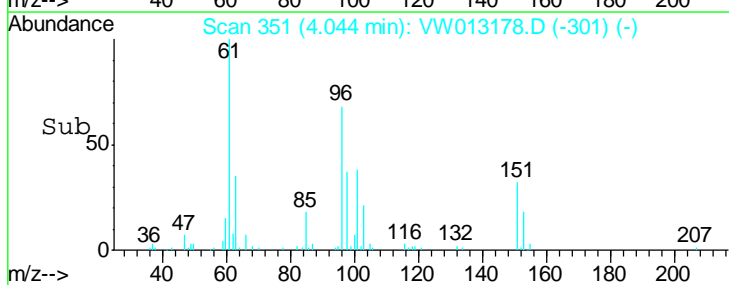
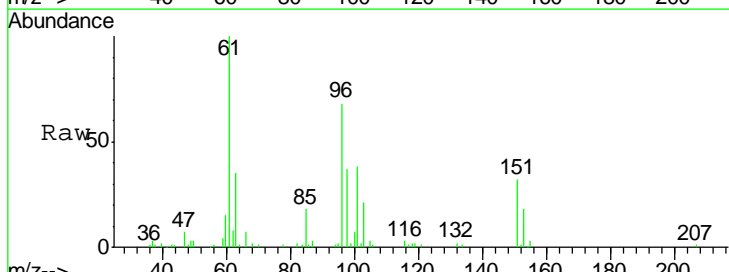
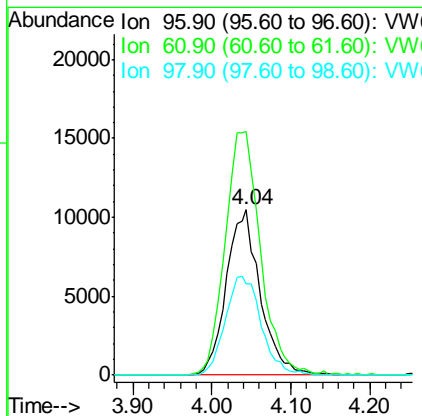
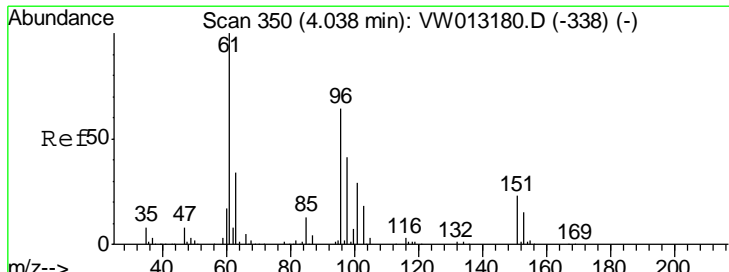
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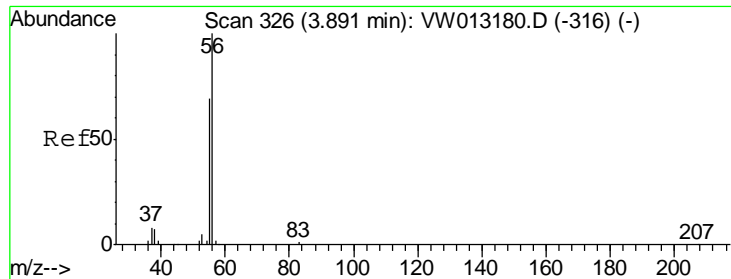
MMDadoda
 9/24/2019 5:28:42 AM



#12
 1,1-Dichloroethene
 Concen: 12.747 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
96	31256		
61	147.3	125.1	187.7
98	55.2	50.8	76.2





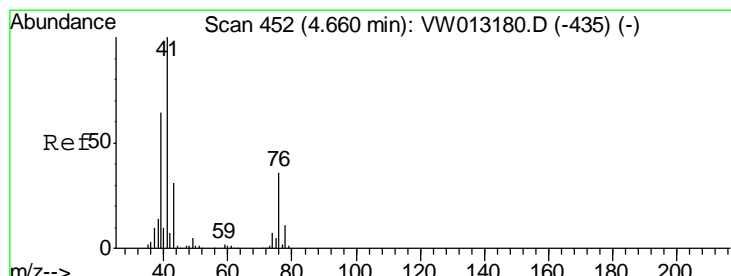
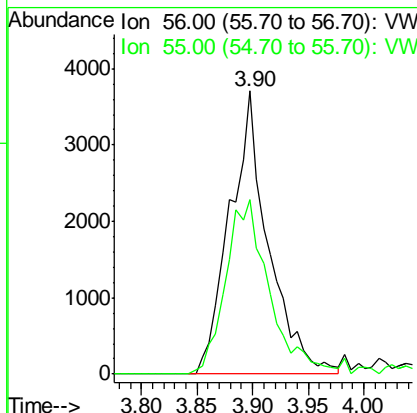
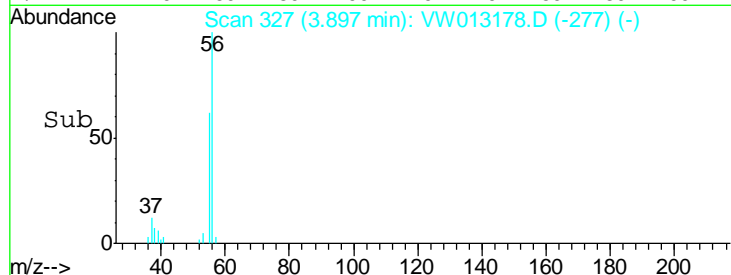
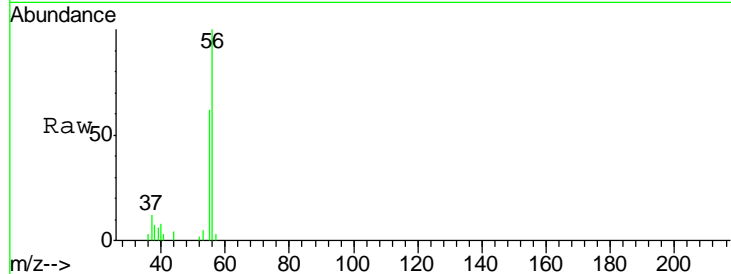
#13
 Acrolein
 Concen: 41.800 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
56	100		
55	69.2	55.4	83.0

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

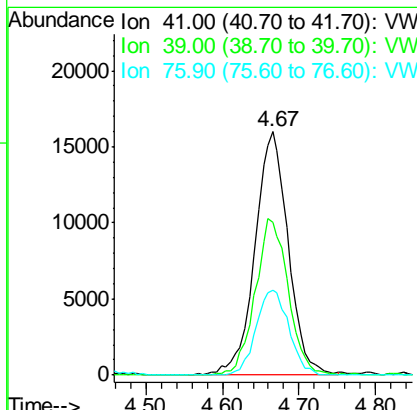
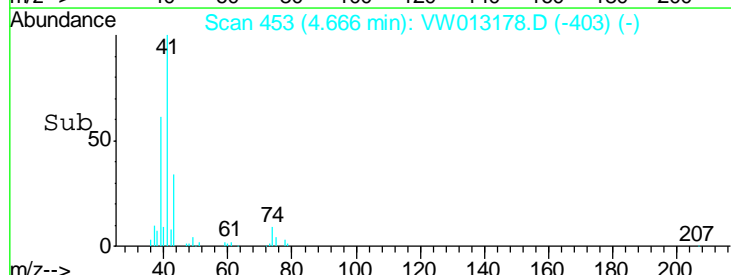
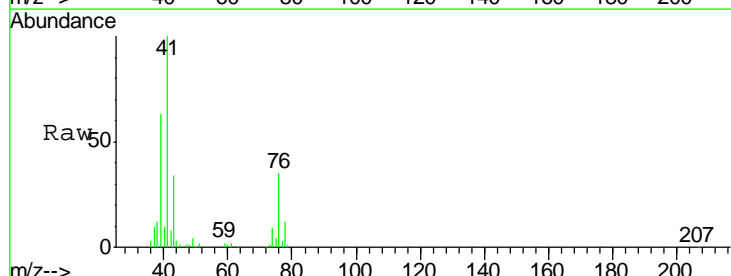
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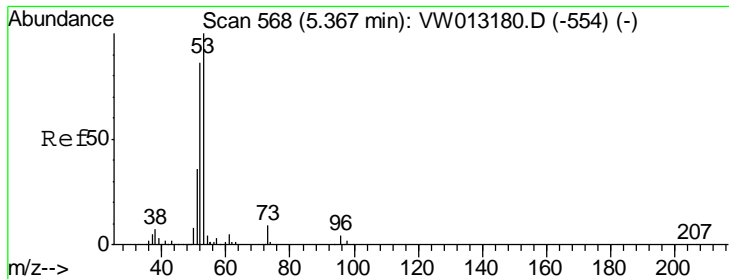
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 9/24/2019 5:28:42 AM



#14
 Allyl chloride
 Concen: 10.776 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
41	100		
39	64.0	51.0	76.4
76	34.6	28.4	42.6





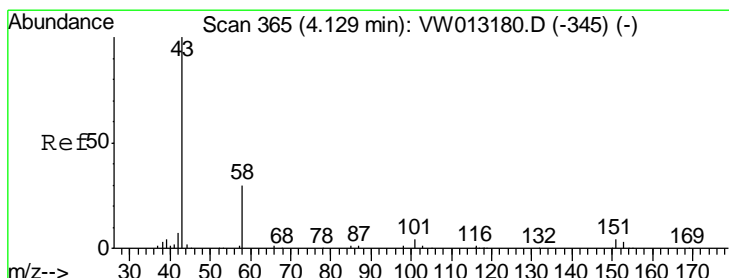
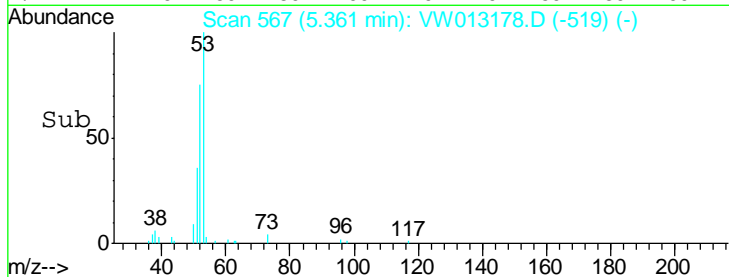
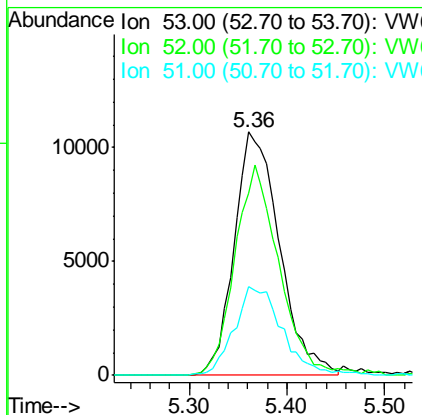
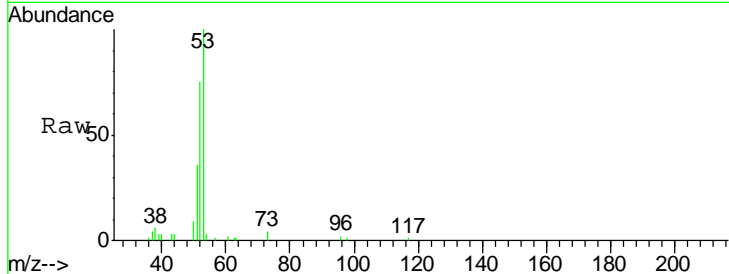
#15
 Acrylonitrile
 Concen: 51.228 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
53	34311		
52	84.9	65.3	97.9
51	38.6	29.0	43.4

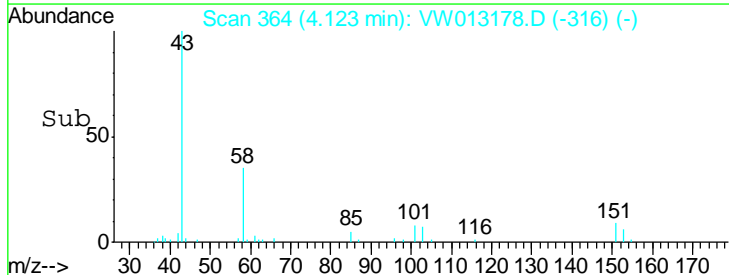
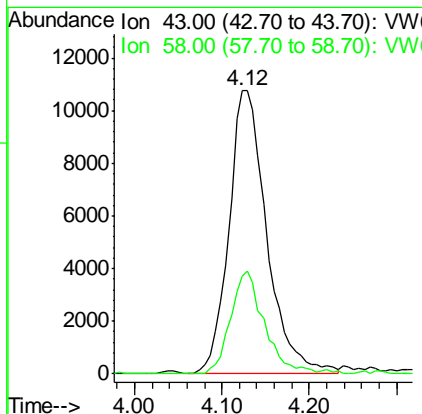
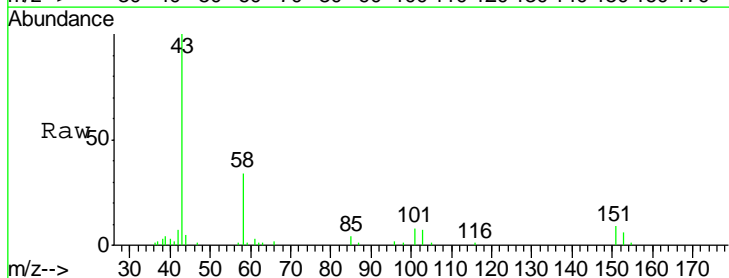
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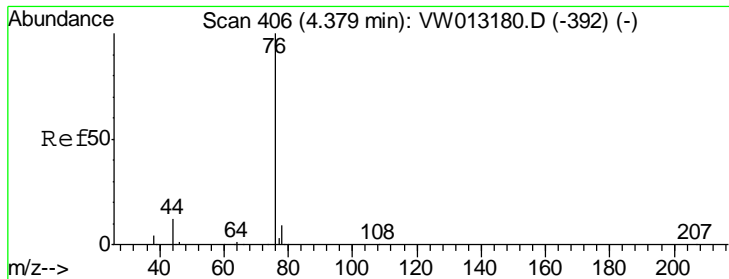
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#16
 Acetone
 Concen: 45.466 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	32421		
58	34.5	24.1	36.1





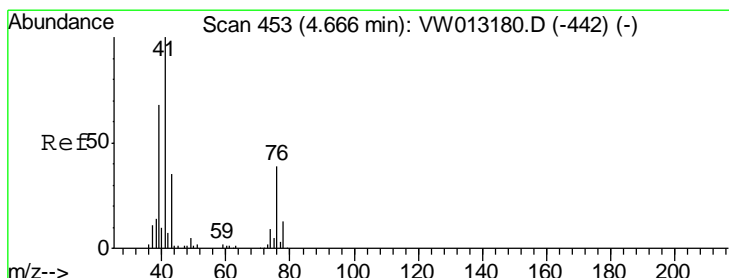
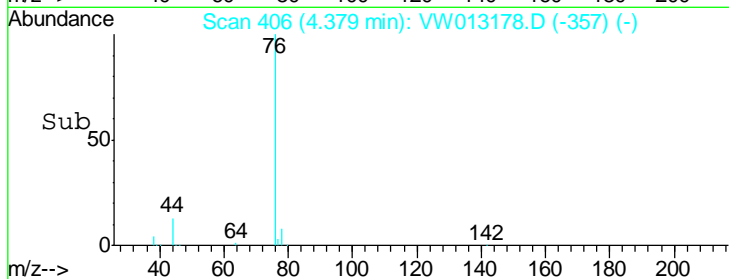
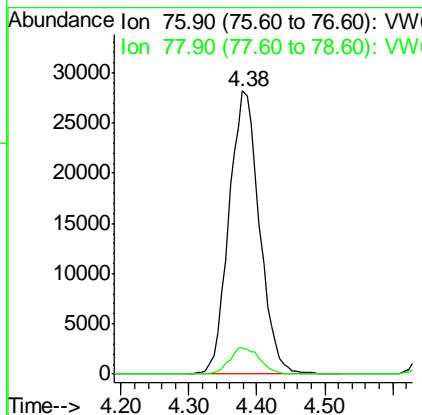
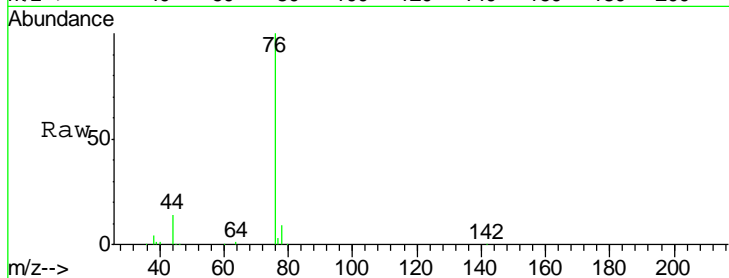
#17
 Carbon Disulfide
 Concen: 16.163 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
76	87261		
76	100		
78	9.4	7.0	10.4

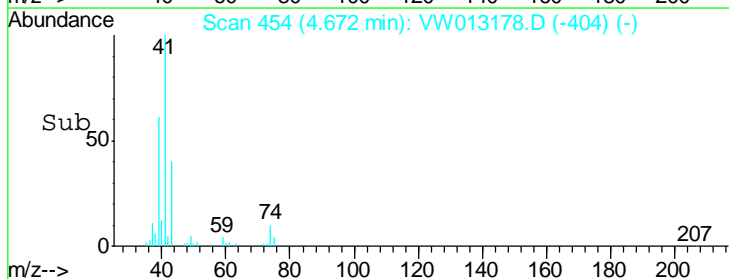
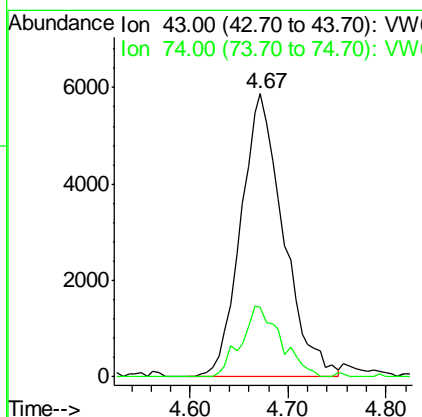
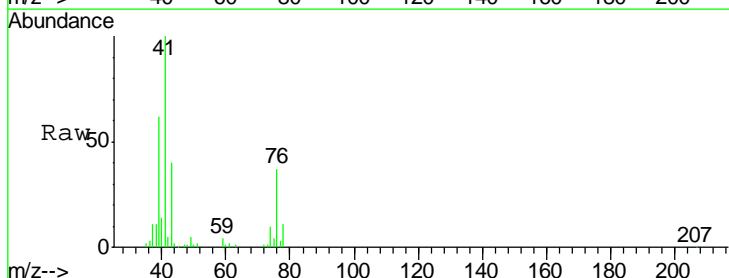
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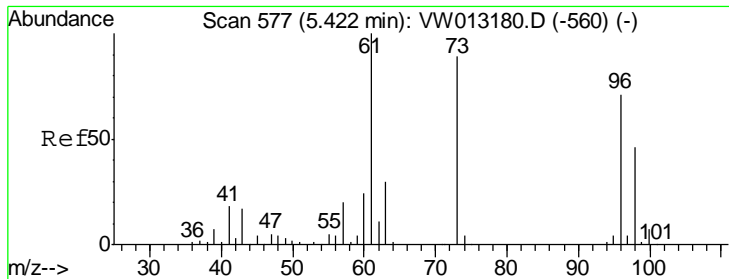
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#18
 Methyl Acetate
 Concen: 10.091 ug/l
 RT: 4.67 min Scan# 454
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	17771		
43	100		
74	23.5	19.3	28.9



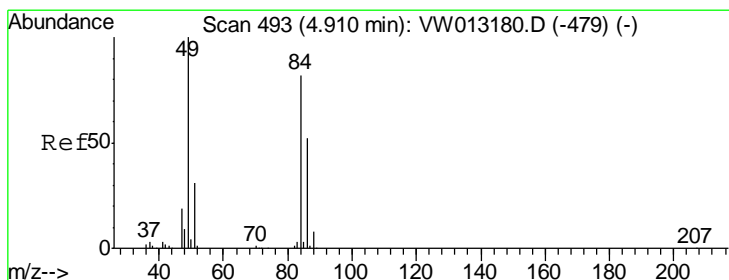
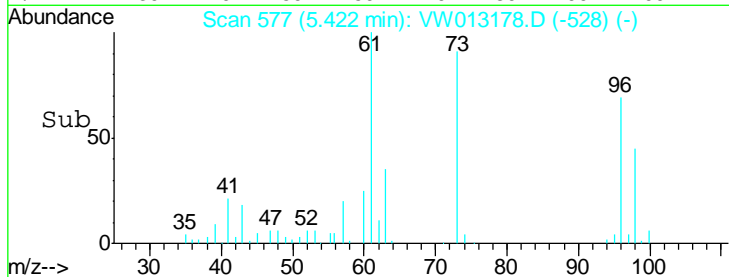
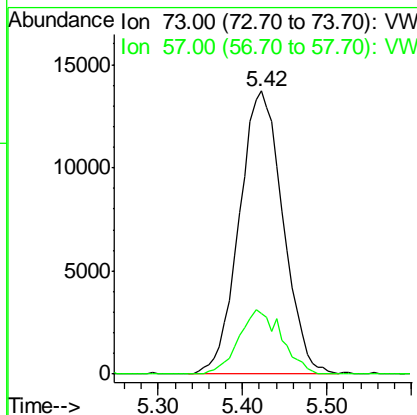
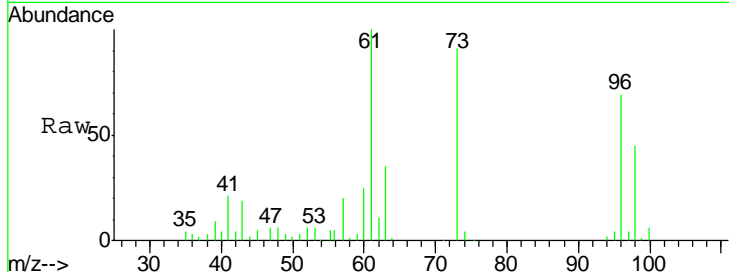


#19
 Methyl tert-butyl Ether
 Concen: 10.510 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.6	17.6	26.4

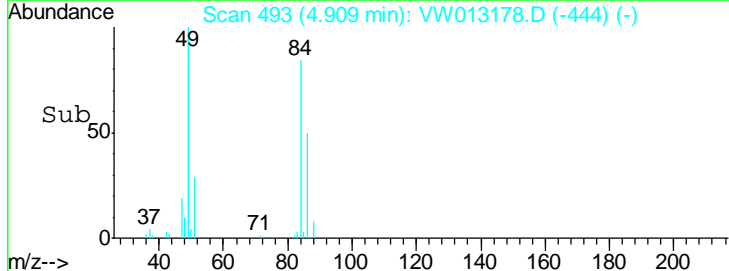
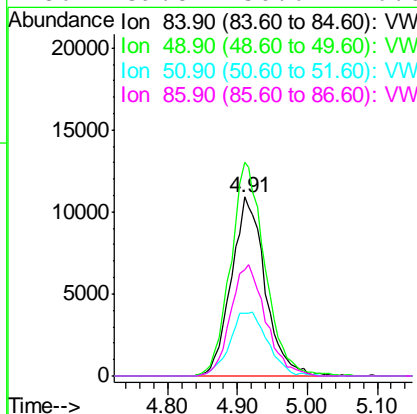
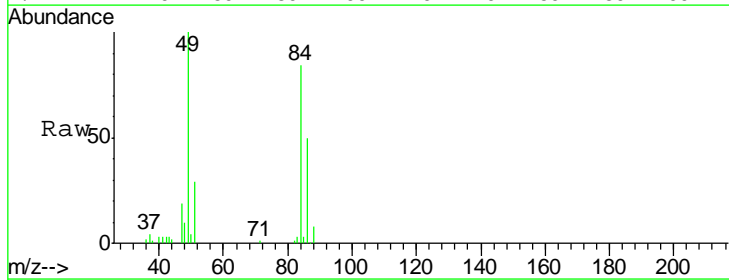
Instrument : MSVOA_W
 ClientSampled : VSTDIC010

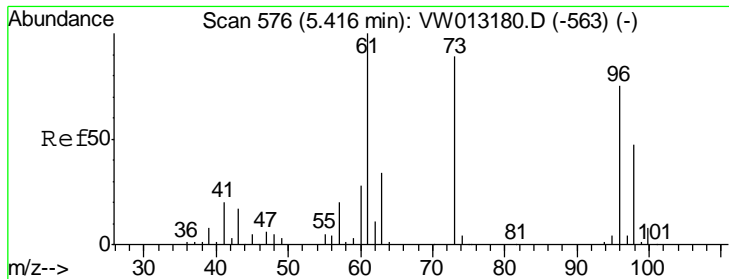
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#20
 Methylene Chloride
 Concen: 12.139 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
84	100		
49	119.6	97.6	146.4
51	34.8	30.2	45.2
86	59.8	50.6	76.0





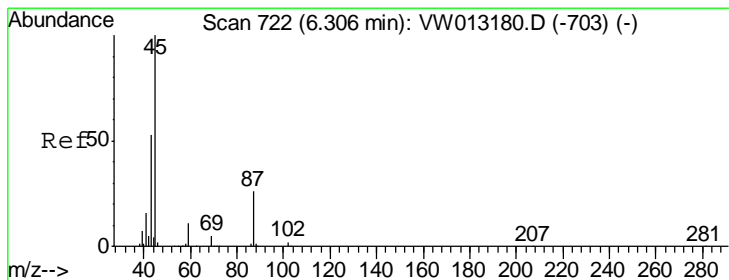
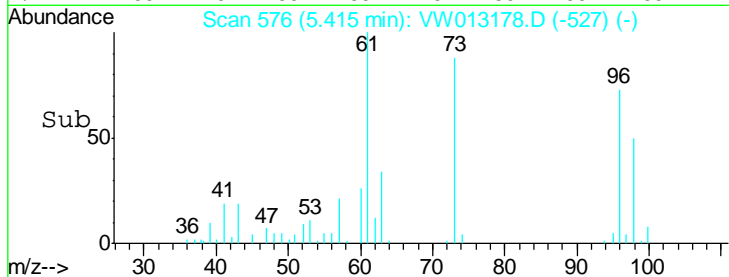
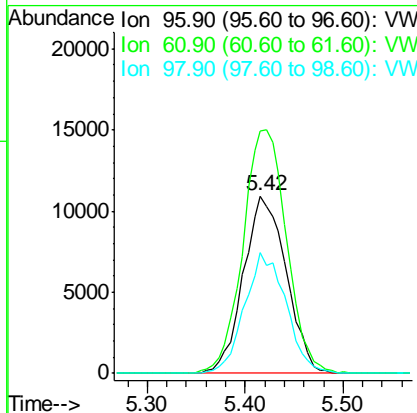
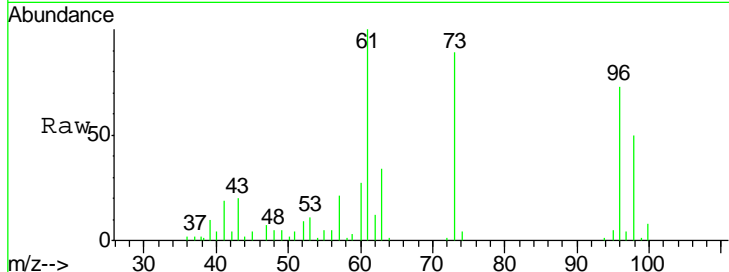
#21
 trans-1,2-Dichloroethene
 Concen: 12.607 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
96	33211		
96	100		
61	136.3	106.6	159.8
98	67.8	49.8	74.8

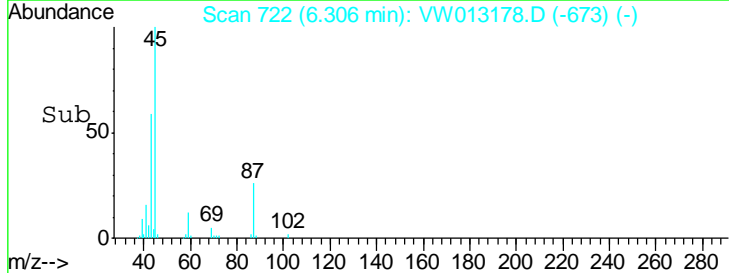
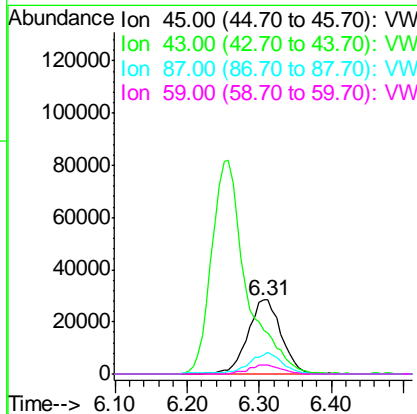
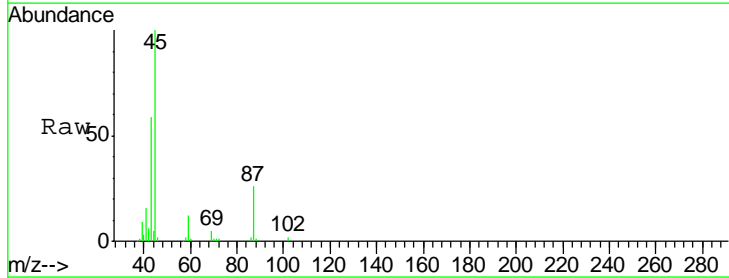
Manual Integrations
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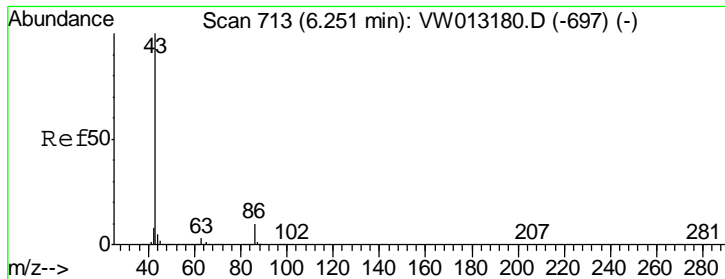
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#22
 Diisopropyl ether
 Concen: 10.002 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
45	91989		
45	100		
43	57.8	42.4	63.6
87	26.3	20.4	30.6
59	11.7	8.8	13.2





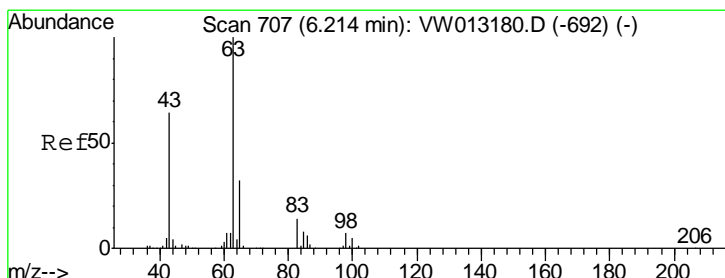
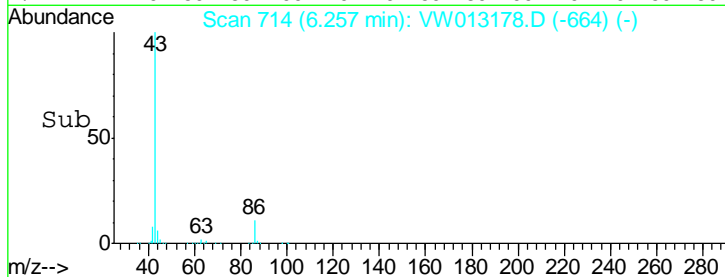
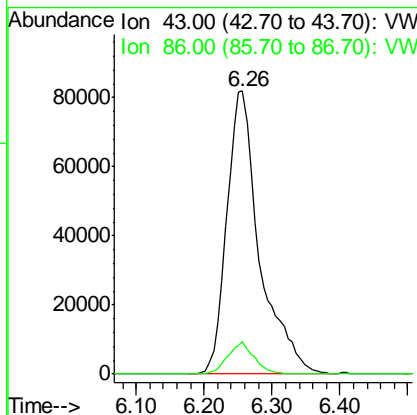
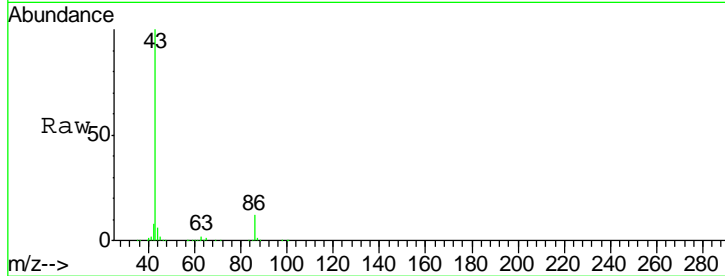
#23
 Vinyl Acetate
 Concen: 50.135 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.3	12.5

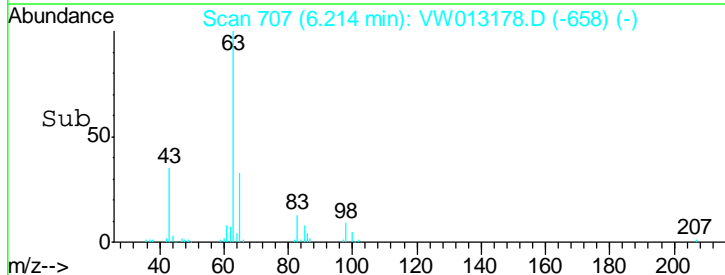
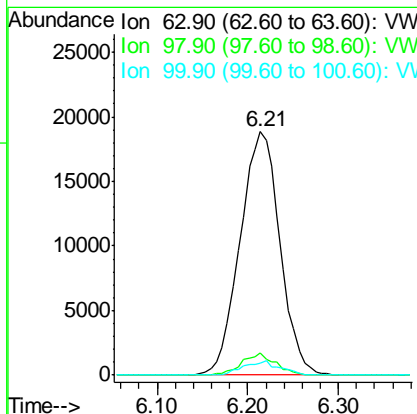
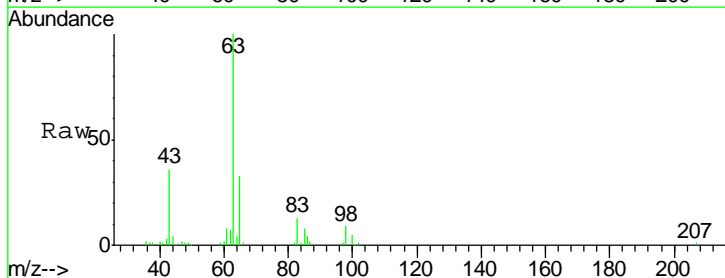
Manual Integrations
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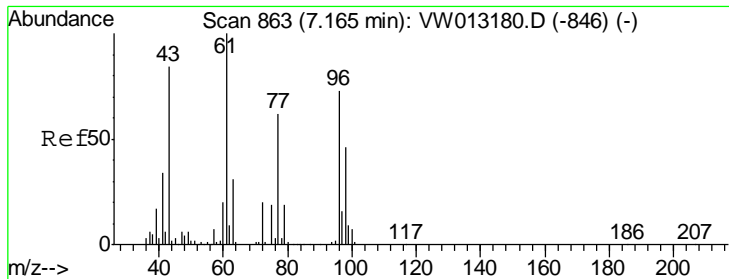
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 10.695 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
63	100		
98	9.1	3.5	10.5
100	4.7	2.4	7.1





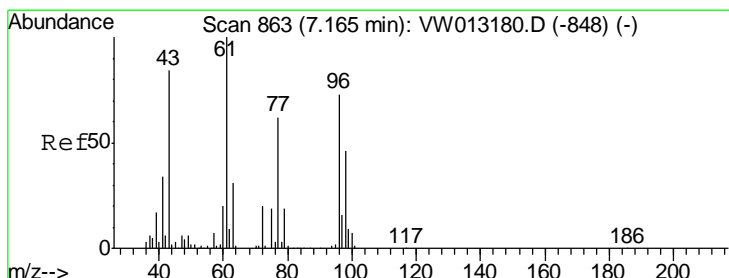
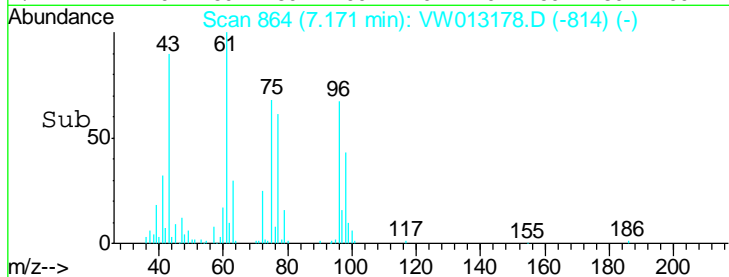
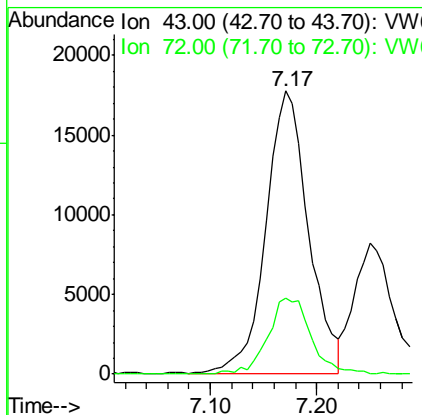
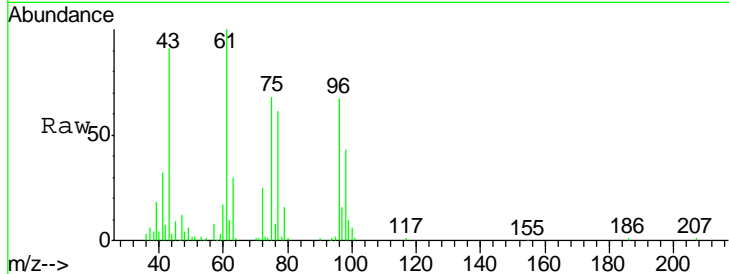
#25
 2-Butanone
 Concen: 50.788 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.1	19.4	29.0

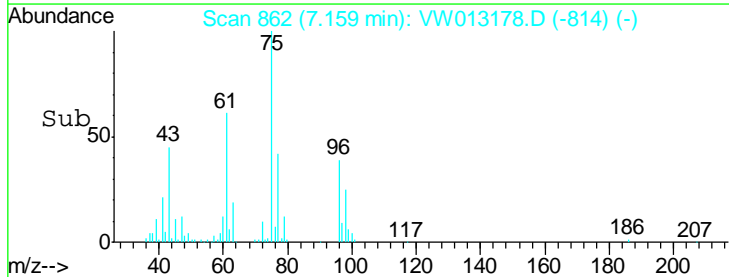
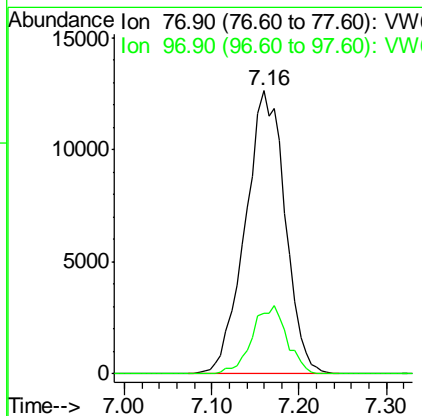
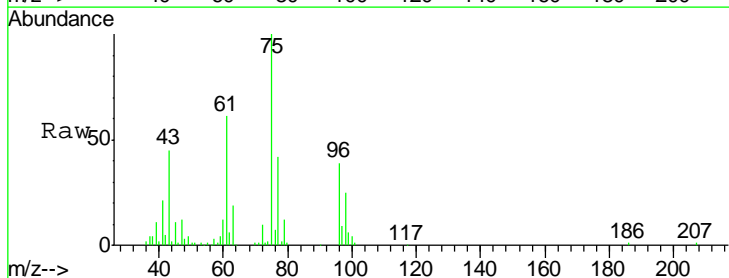
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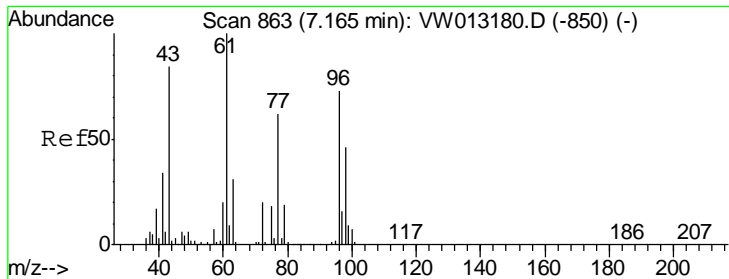
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#26
 2,2-Dichloropropane
 Concen: 10.728 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
77	100		
97	20.9	11.8	35.4





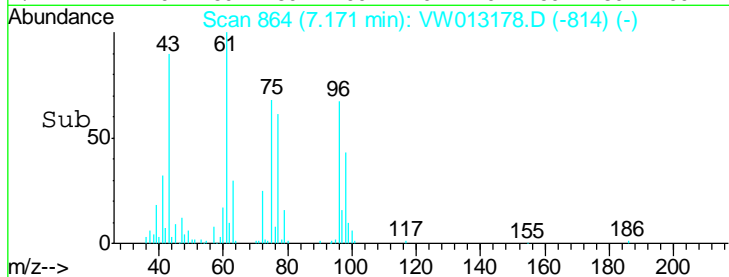
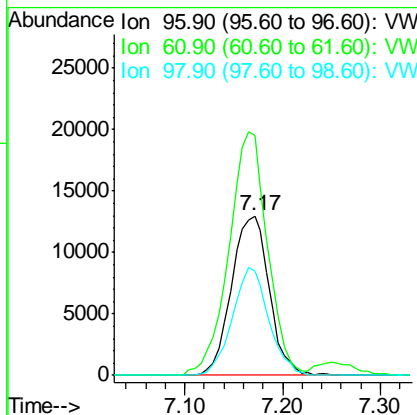
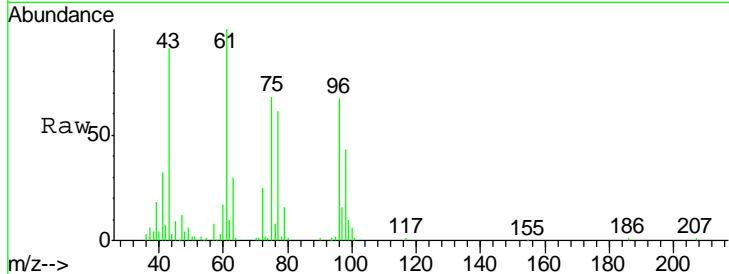
#27
 cis-1,2-Dichloroethene
 Concen: 11.234 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
96	34638		
96	100		
61	155.5	0.0	282.4
98	64.9	0.0	128.2

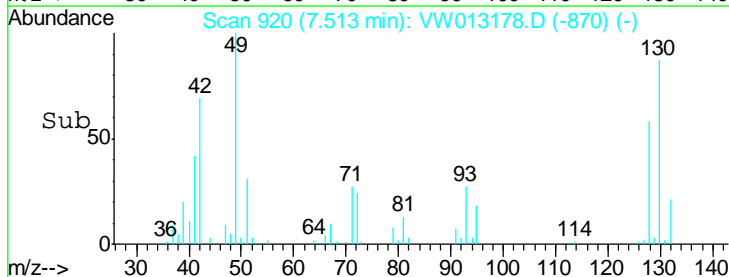
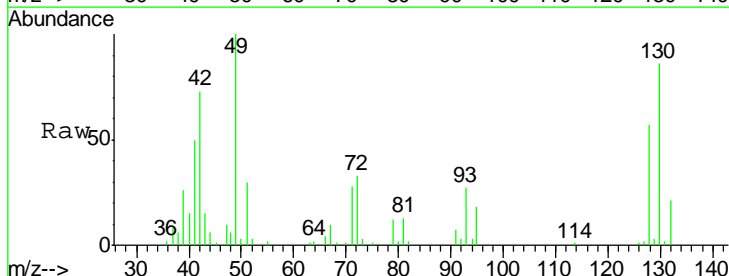
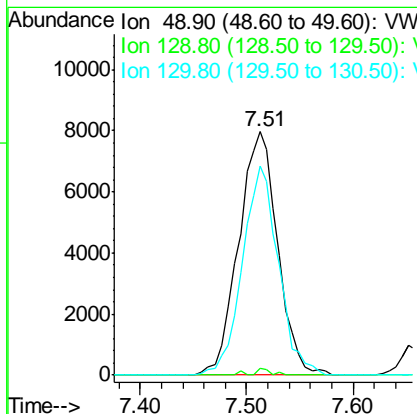
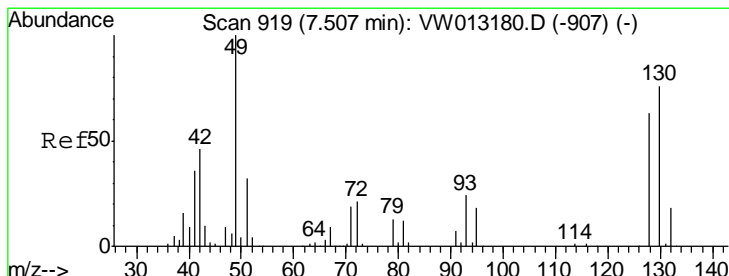
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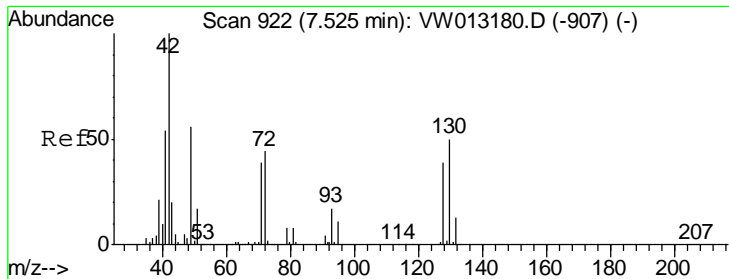
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#28
 Bromochloromethane
 Concen: 9.104 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
49	20432		
49	100		
129	0.8	0.0	1.0
130	79.4	63.4	95.2





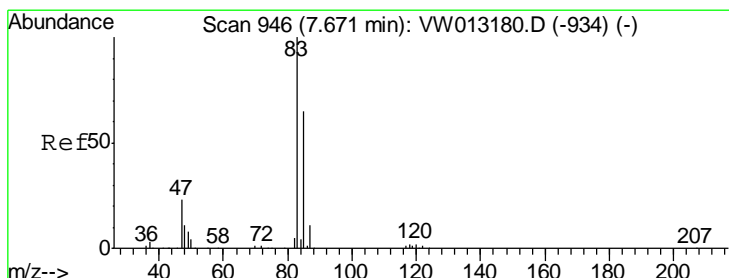
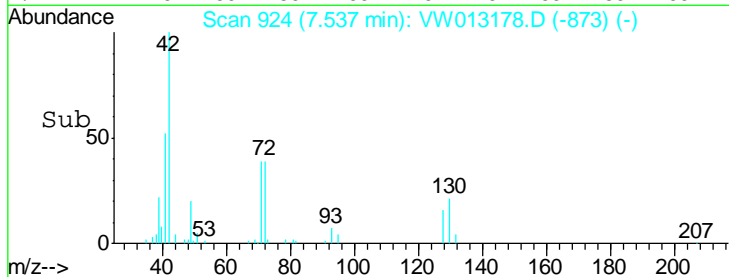
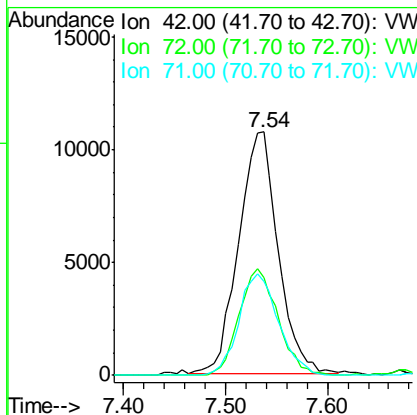
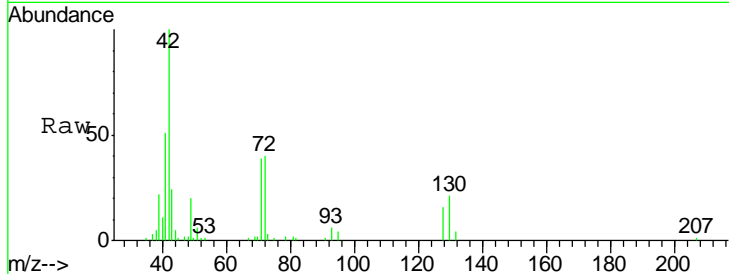
#29
 Tetrahydrofuran
 Concen: 51.458 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
42	100		
72	43.5	33.9	50.9
71	42.2	31.9	47.9

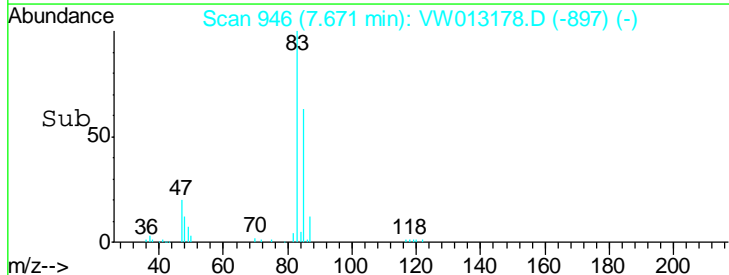
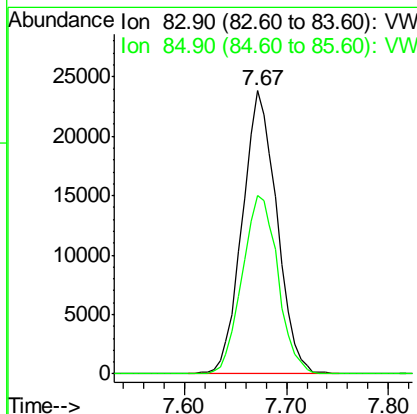
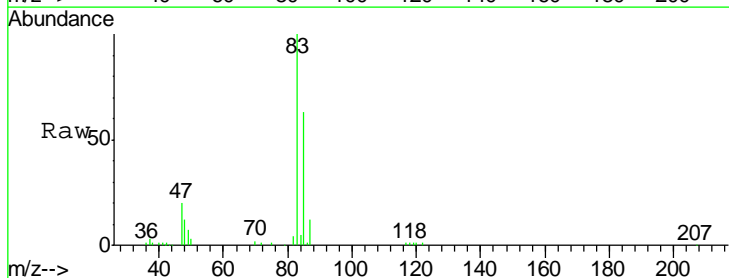
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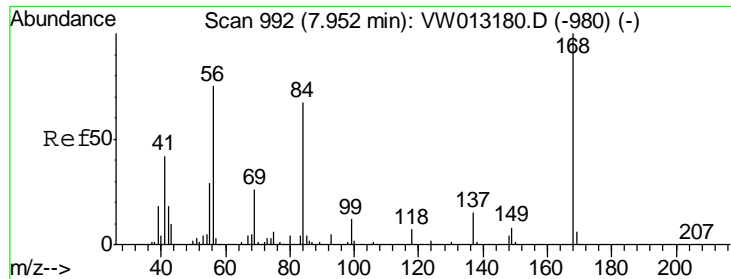
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#30
 Chloroform
 Concen: 10.409 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.0	52.3	78.5





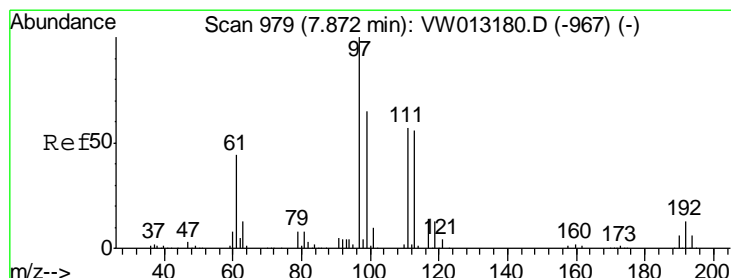
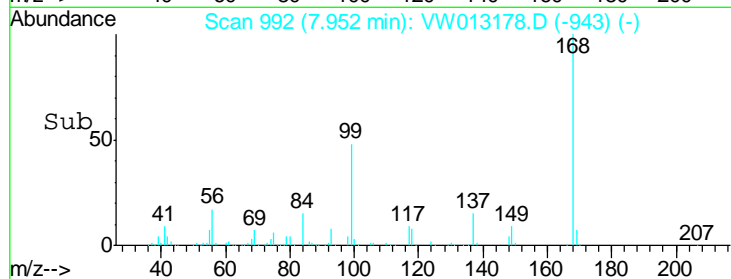
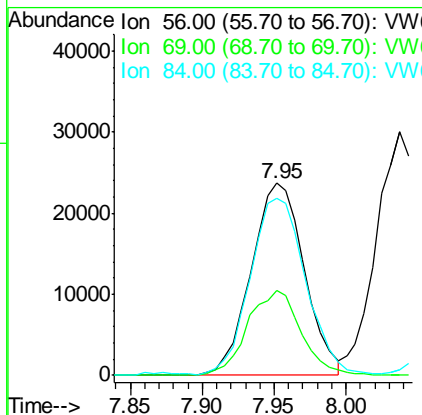
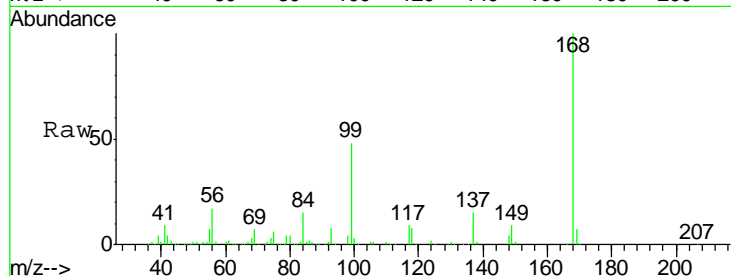
#31
 Cyclohexane
 Concen: 12.770 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
56	60752		
56	100		
69	44.5	27.2	40.8#
84	91.2	70.8	106.2

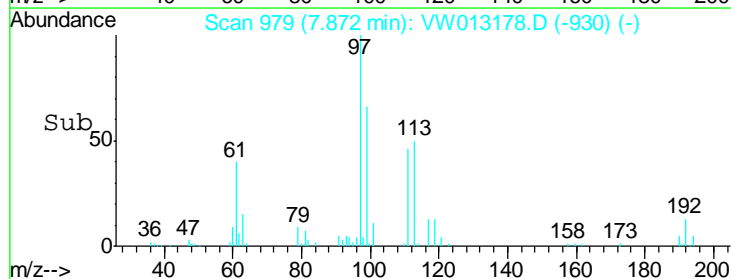
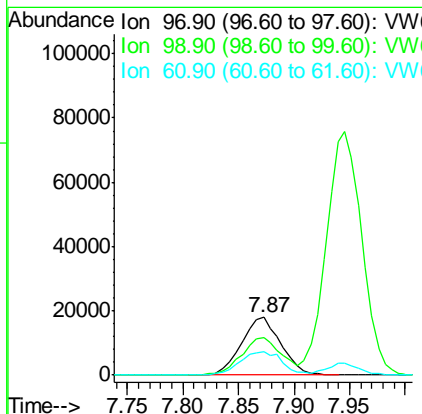
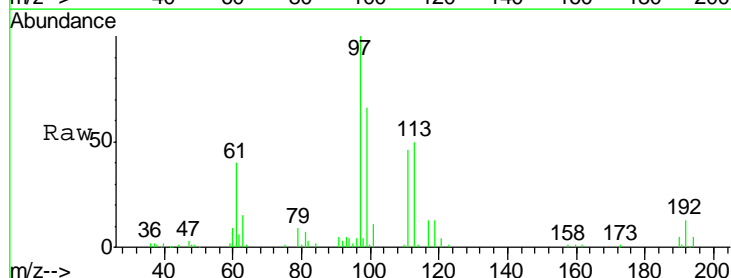
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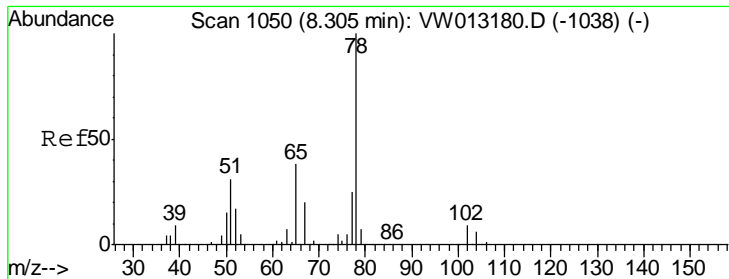
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#32
 1,1,1-Trichloroethane
 Concen: 9.931 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
97	44070		
97	100		
99	66.7	51.7	77.5
61	43.8	34.6	51.8





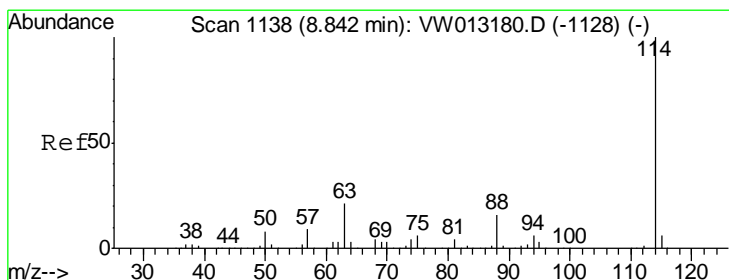
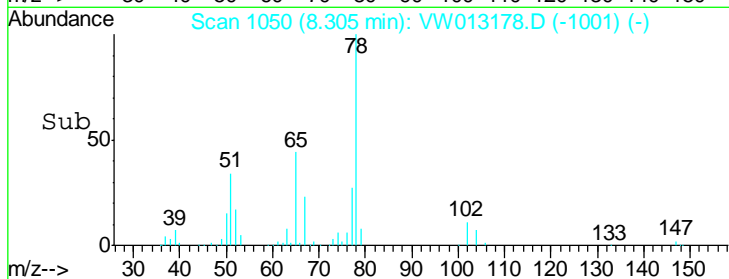
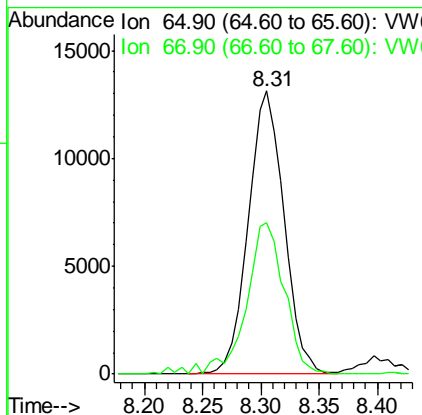
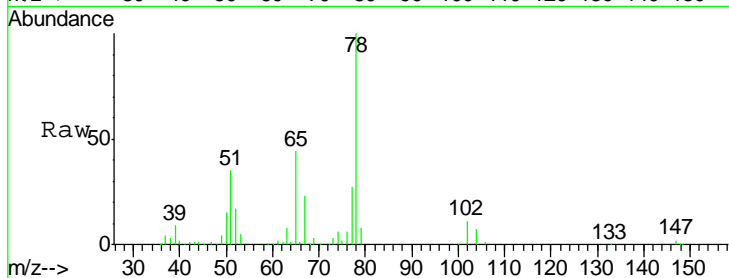
#33
 1,2-Dichloroethane-d4
 Concen: 9.248 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
65	28005		
65	100		
67	56.7	0.0	106.2

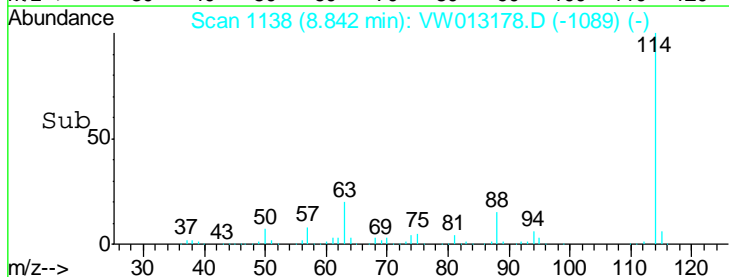
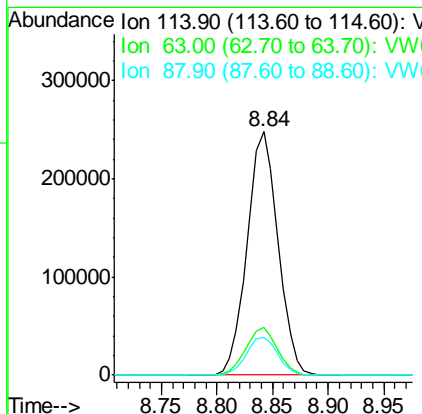
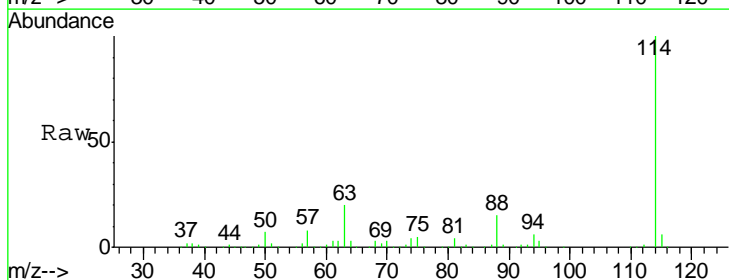
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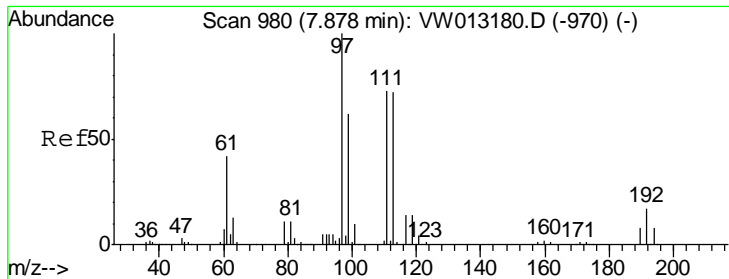
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

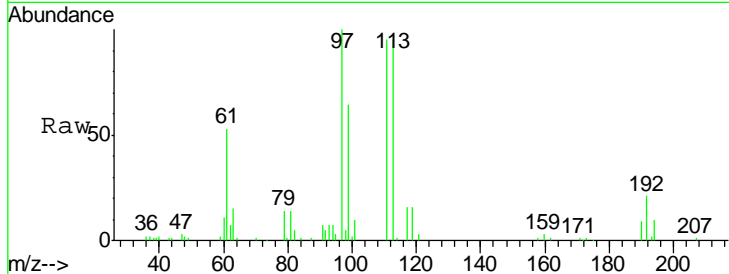
Tgt Ion	Resp	Lower	Upper
114	480644		
114	100		
63	19.5	0.0	41.4
88	15.3	0.0	32.0





#35
 Dibromofluoromethane
 Concen: 9.870 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

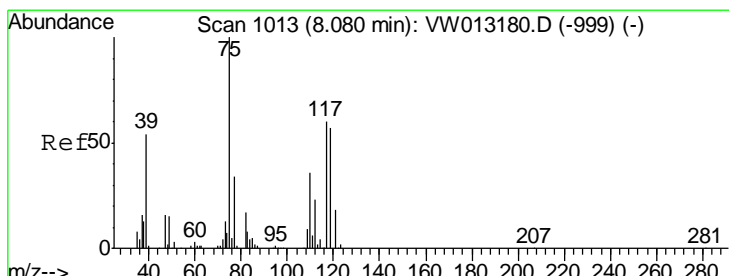
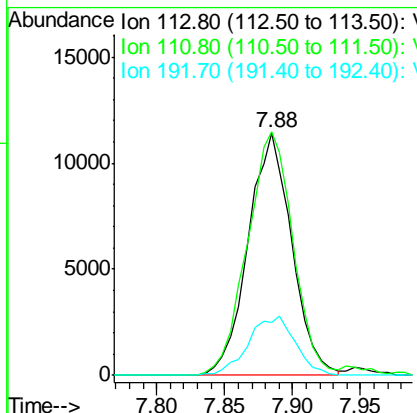
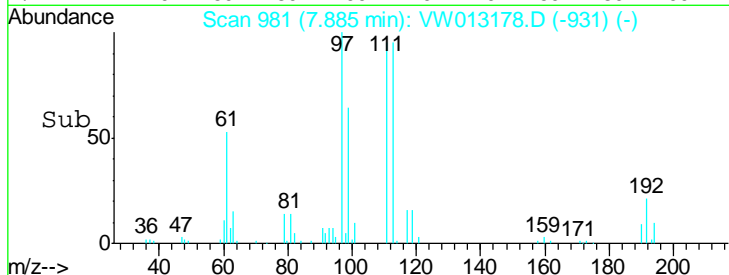
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC010



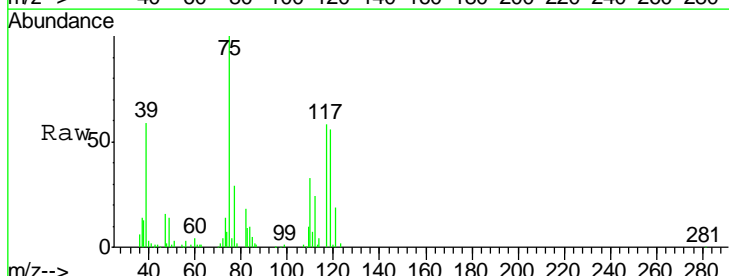
Tgt Ion	Resp	Lower	Upper
113	25651		
113	100		
111	104.9	81.9	122.9
192	26.1	19.1	28.7

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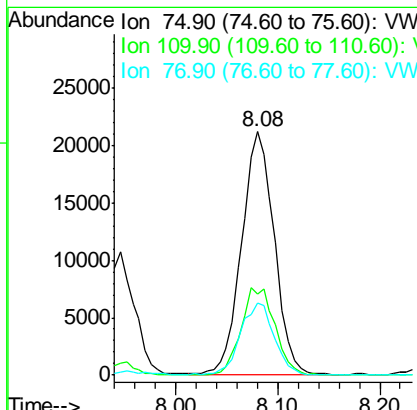
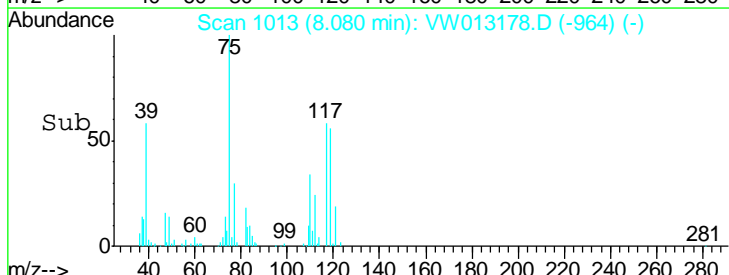
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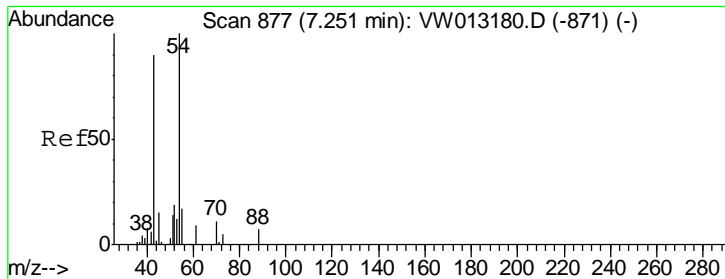


#36
 1,1-Dichloropropene
 Concen: 11.967 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09



Tgt Ion	Resp	Lower	Upper
75	47426		
75	100		
110	37.1	18.1	54.3
77	30.8	25.8	38.6



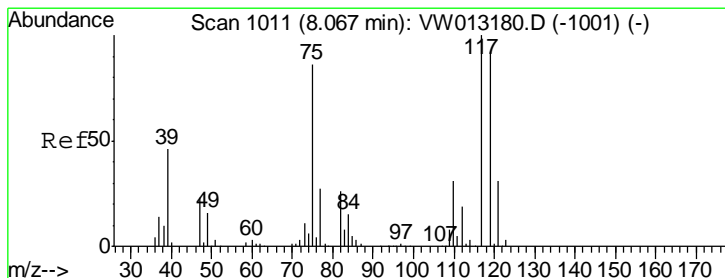
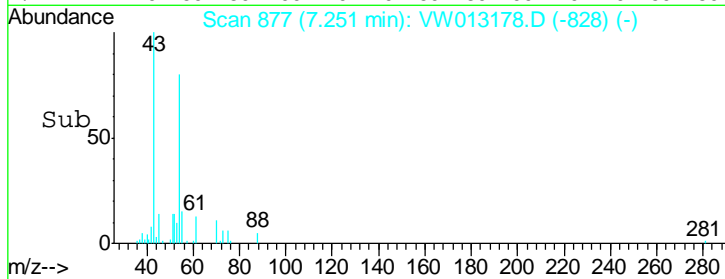
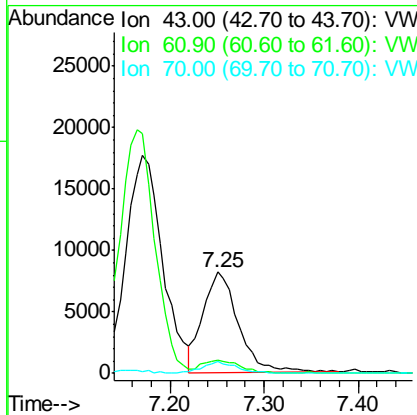
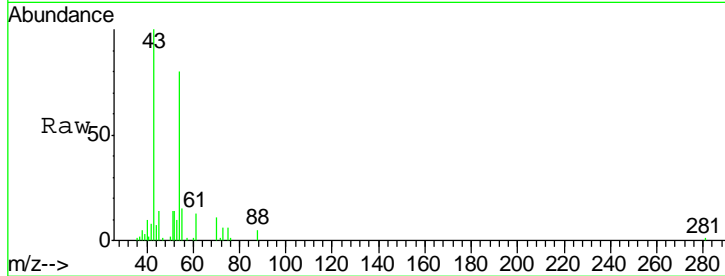


#37
 Ethyl Acetate
 Concen: 10.526 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	10.7	8.2	12.2

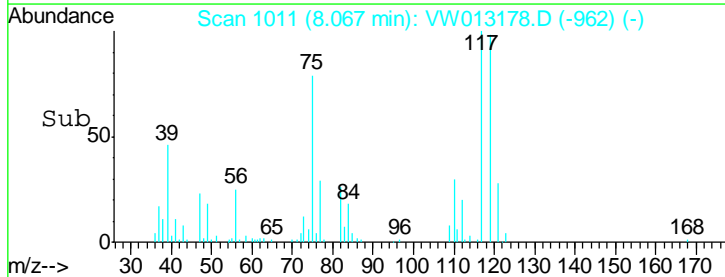
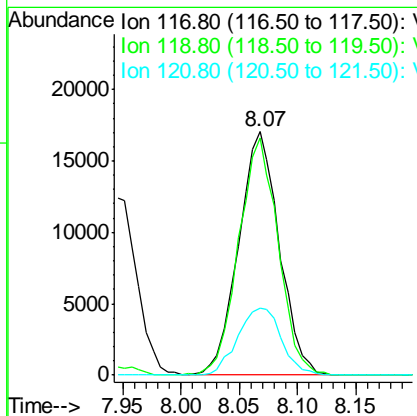
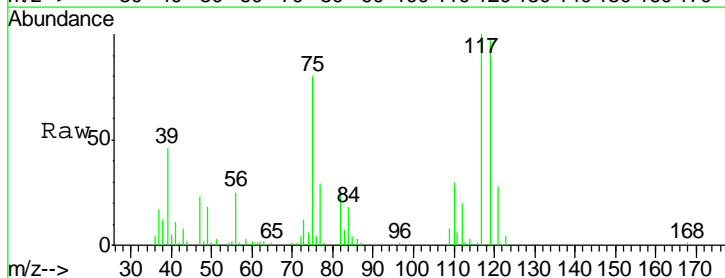
Instrument : MSVOA_W
 Client Sampled : VSTDIC010

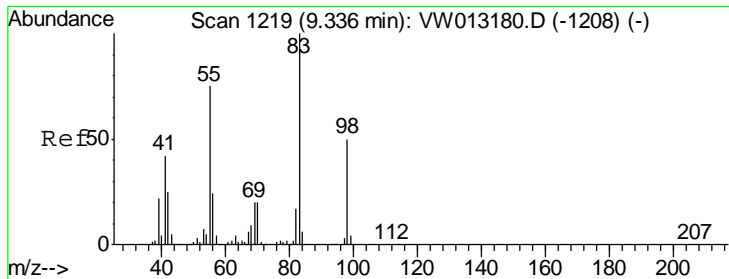
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#38
 Carbon Tetrachloride
 Concen: 10.450 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.7	73.5	110.3
121	27.7	25.0	37.6





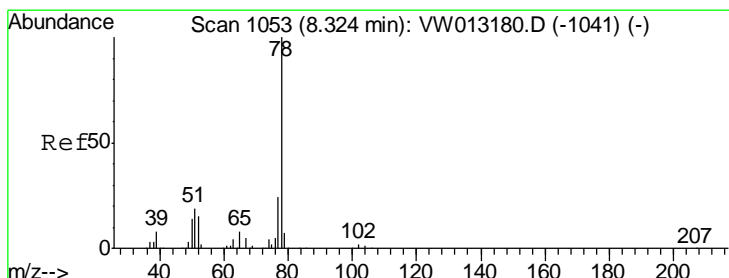
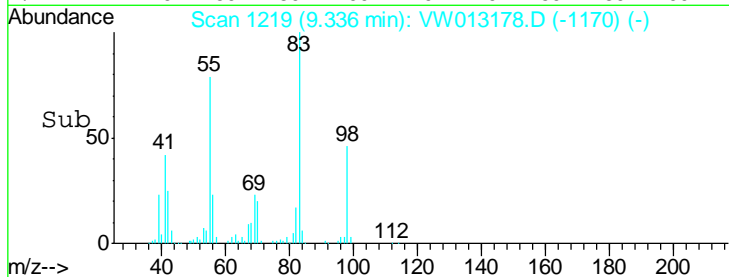
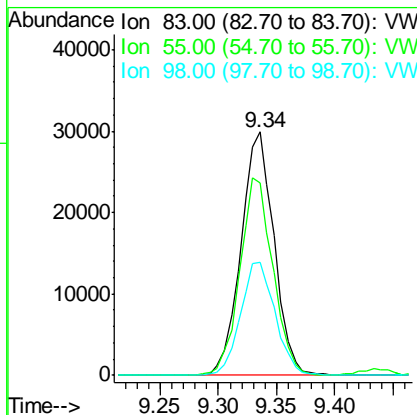
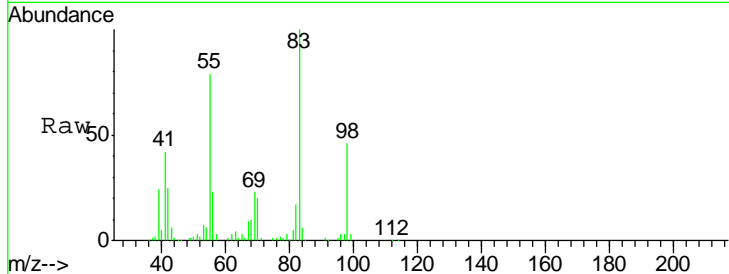
#39
 Methylcyclohexane
 Concen: 13.038 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
83	58900		
83	100		
55	79.3	60.4	90.6
98	46.3	40.0	60.0

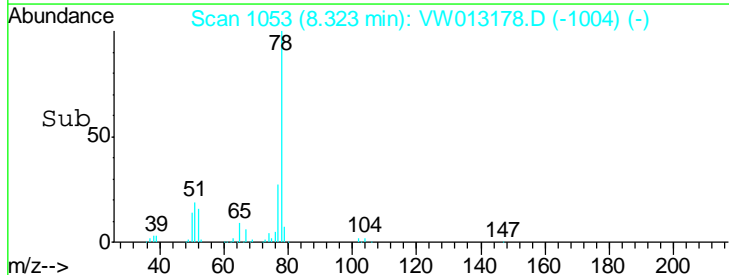
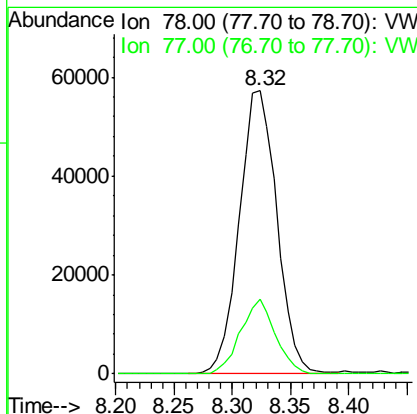
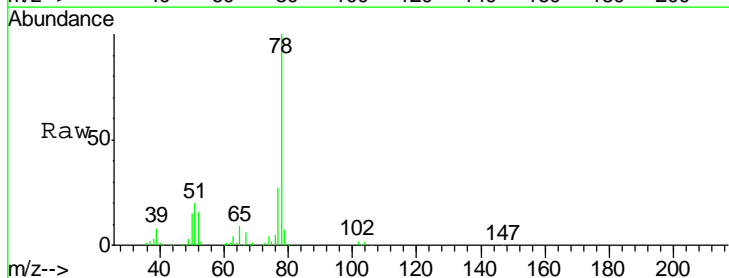
Manual Integrations
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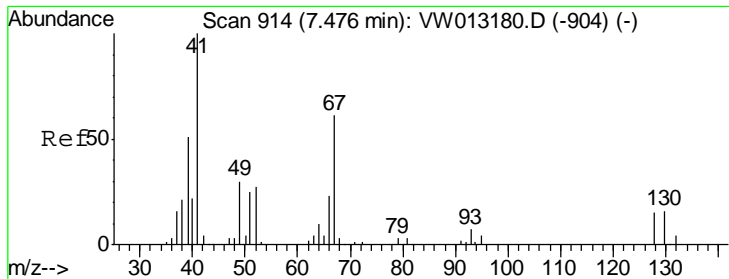
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#40
 Benzene
 Concen: 11.680 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

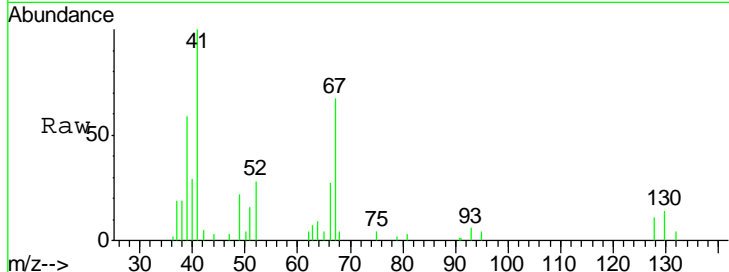
Tgt Ion	Resp	Lower	Upper
78	129223		
78	100		
77	26.6	19.1	28.7





#41
 Methacrylonitrile
 Concen: 8.501 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

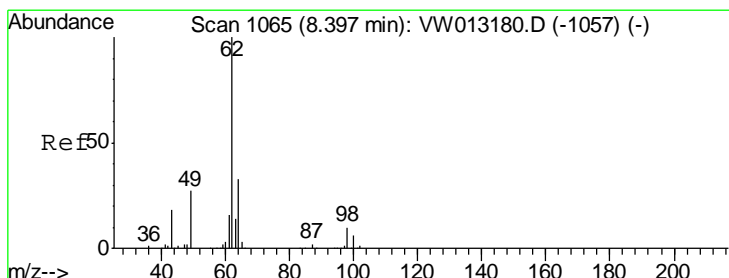
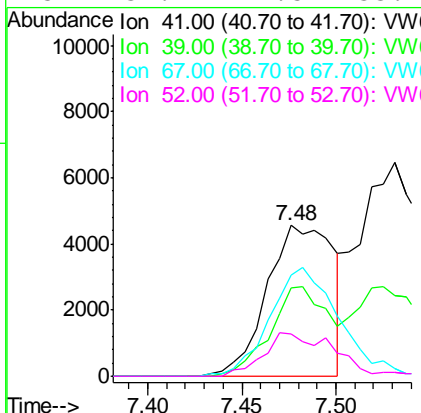
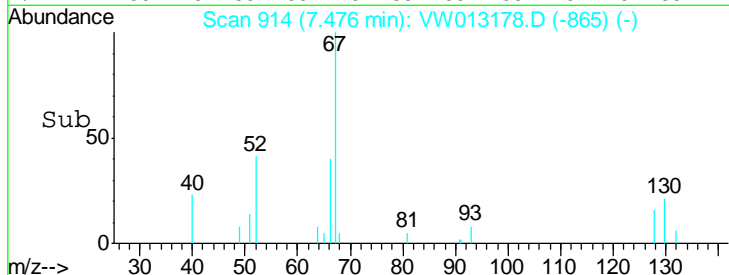


Tgt Ion: 41 Resp: 11168

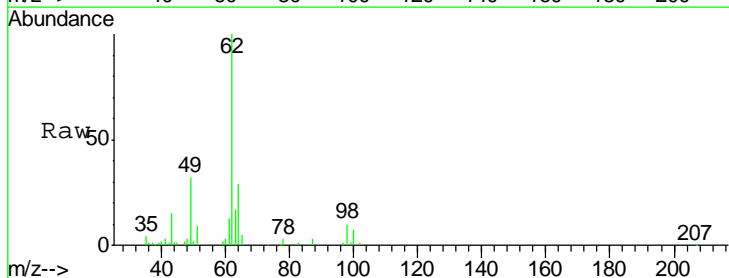
Ion	Ratio	Lower	Upper
41	100		
39	51.5	45.9	68.9
67	74.6	54.5	81.7
52	31.2	22.5	33.7

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MMDadoda
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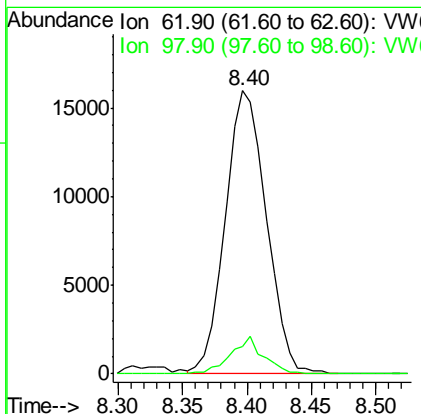
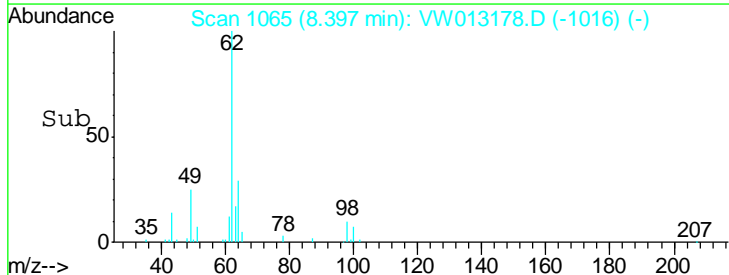


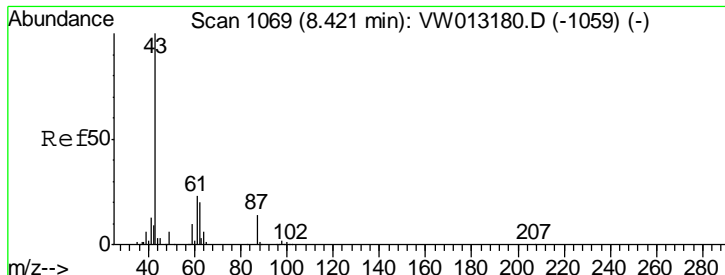
#42
 1,2-Dichloroethane
 Concen: 9.968 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09



Tgt Ion: 62 Resp: 35551

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





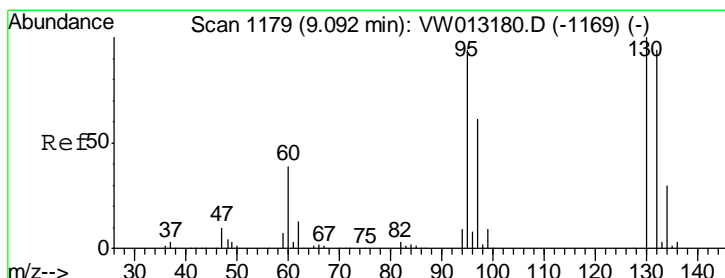
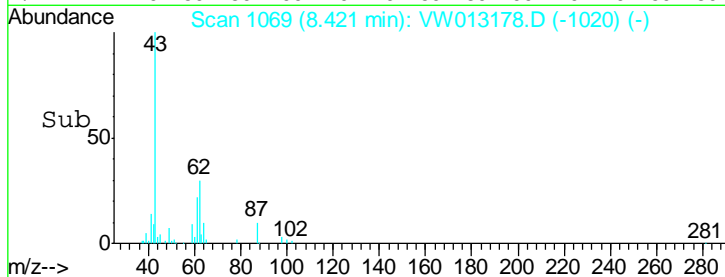
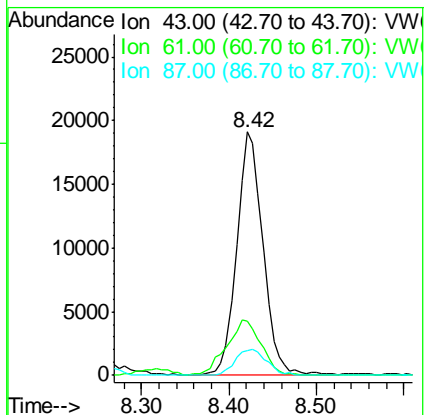
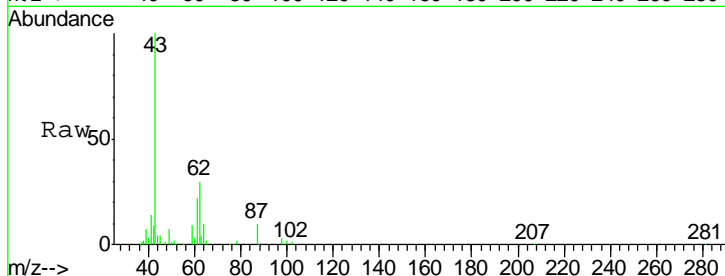
#43
 Isopropyl Acetate
 Concen: 10.367 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
43	40008		
61	29.7	25.5	38.3
87	12.6	11.0	16.4

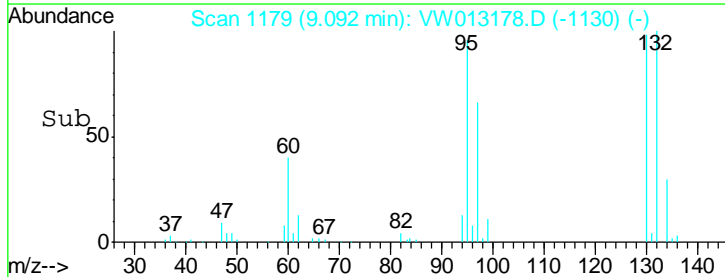
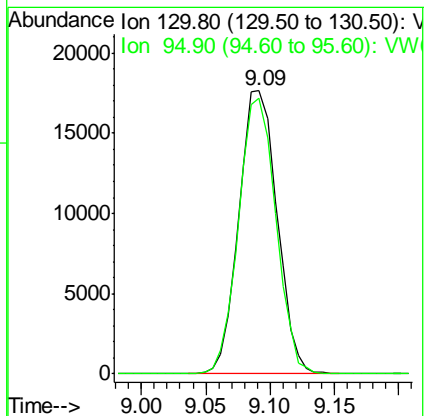
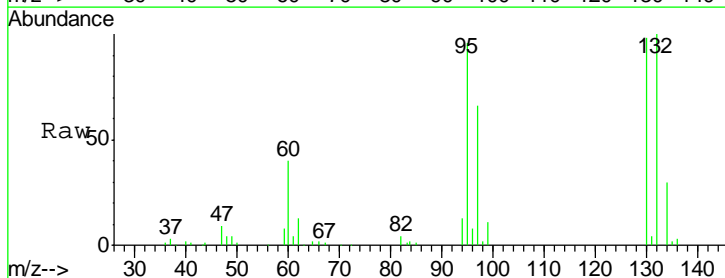
Manual Integrations
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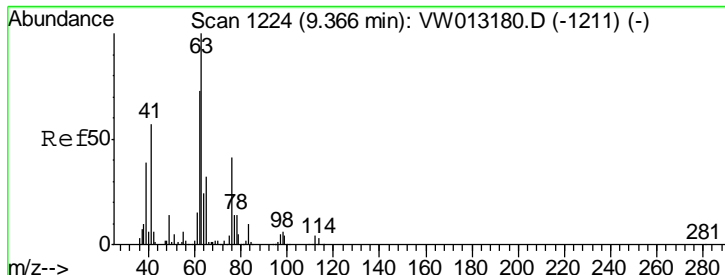
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 9/24/2019 5:28:42 AM



#44
 Trichloroethene
 Concen: 11.918 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
130	36361		
95	97.5	0.0	188.0





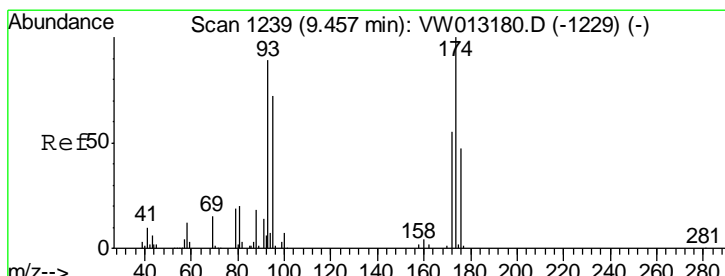
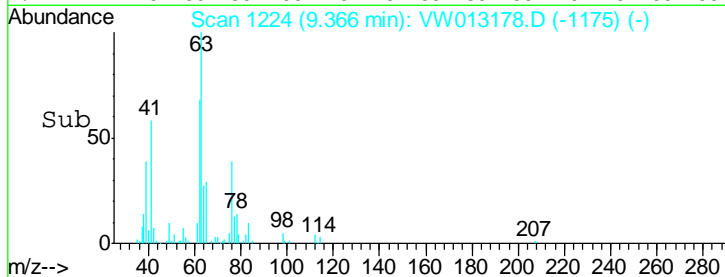
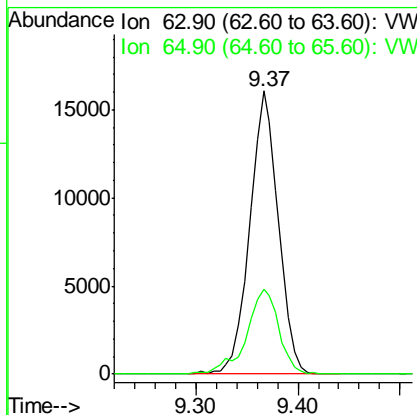
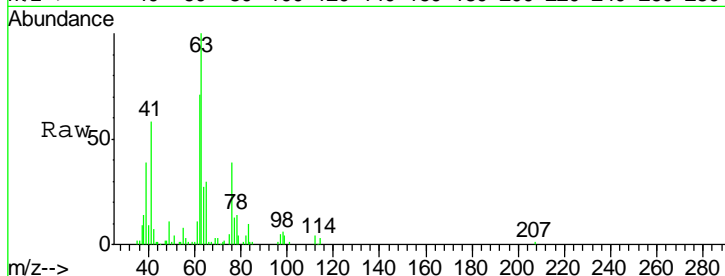
#45
 1,2-Dichloropropane
 Concen: 10.854 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
63	31325		
63	100		
65	29.9	25.3	37.9

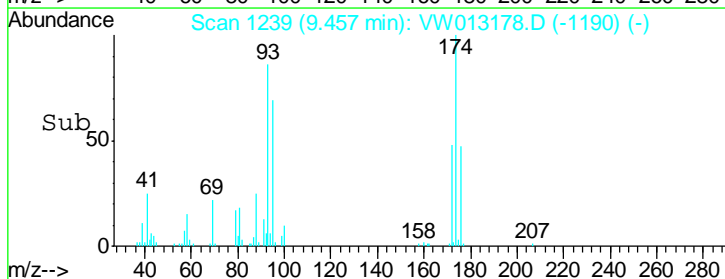
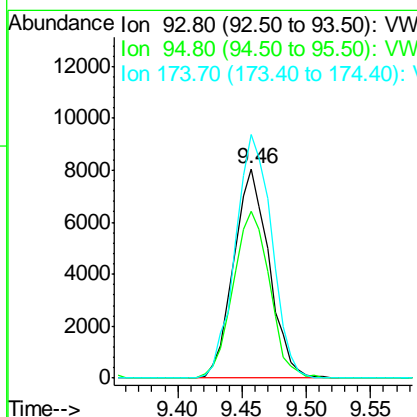
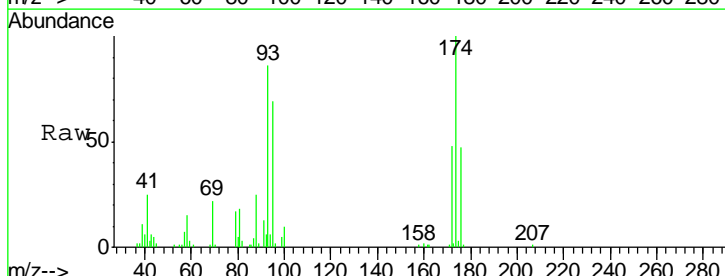
Manual Integrations
APPROVED

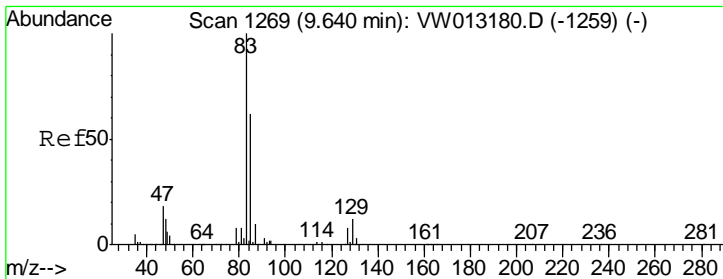
MMDadoda
 9/24/2019 5:28:42 AM



#46
 Dibromomethane
 Concen: 11.094 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
93	15376		
93	100		
95	82.3	66.4	99.6
174	119.5	93.0	139.6





#47

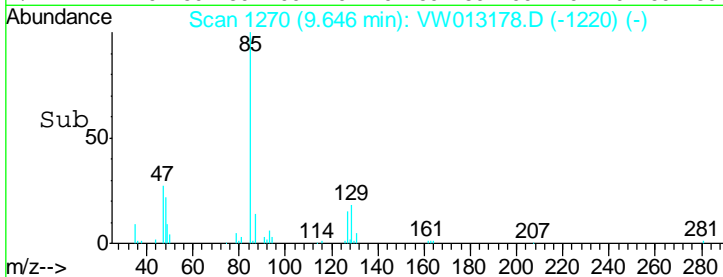
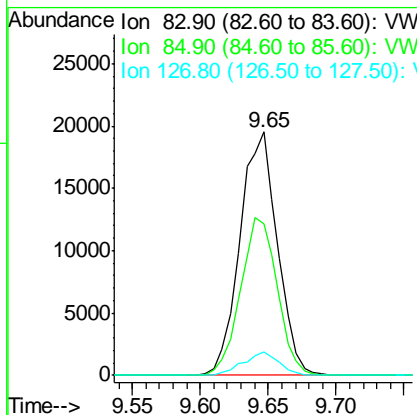
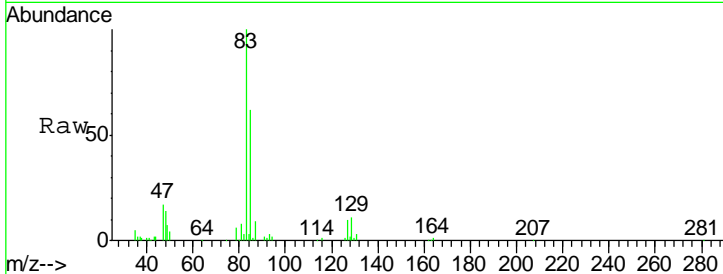
Bromodichloromethane
 Concen: 9.817 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
83	37513		
85	62.2	49.4	74.2
127	9.5	6.5	9.7

Manual Integrations
 APPROVED

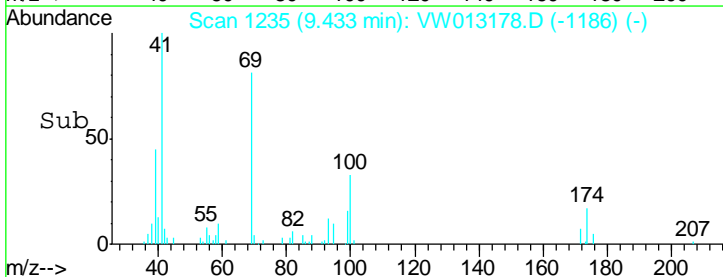
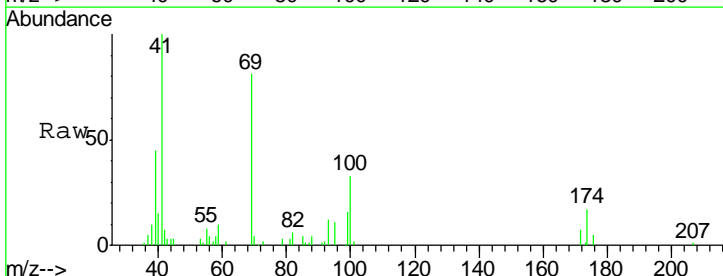
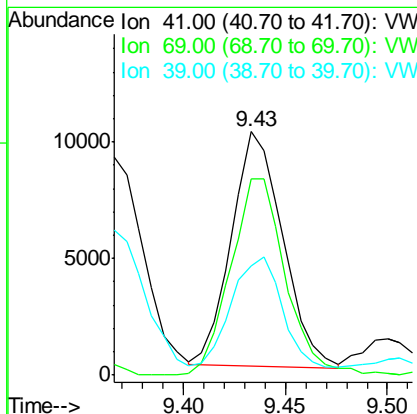
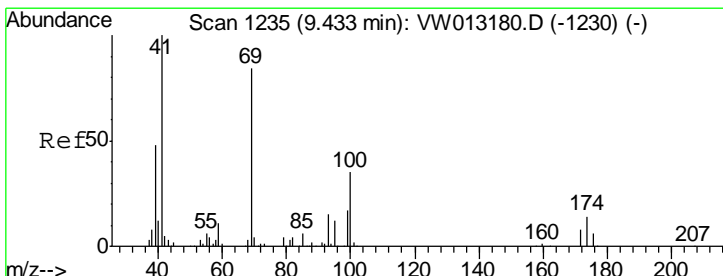
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 9/24/2019 5:28:42 AM

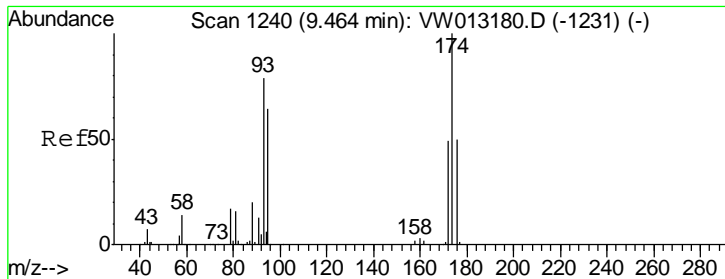


#48

Methyl methacrylate
 Concen: 9.665 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
41	17544		
69	89.8	69.7	104.5
39	47.5	41.1	61.7





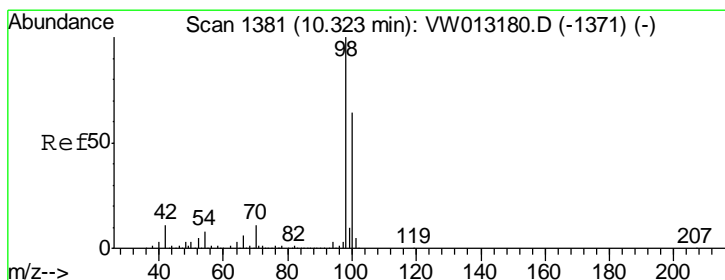
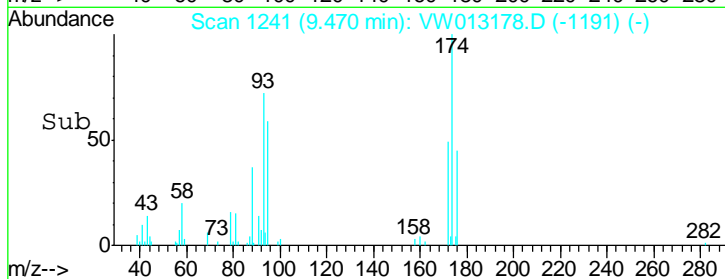
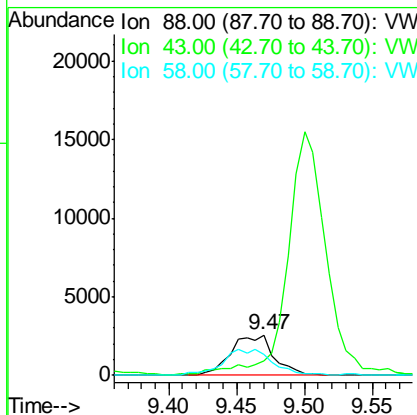
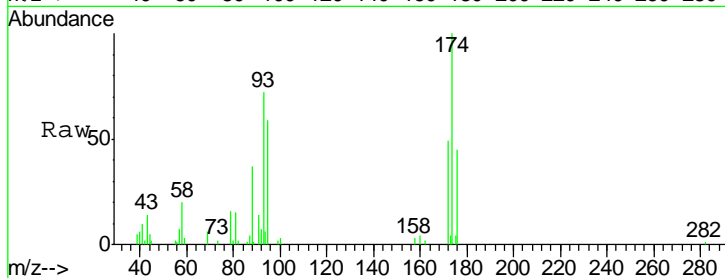
#49
 1,4-Dioxane
 Concen: 253.353 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Resp	Lower	Upper
88	5625		
88	100		
43	0.0	0.0	0.0
58	74.7	65.4	98.0

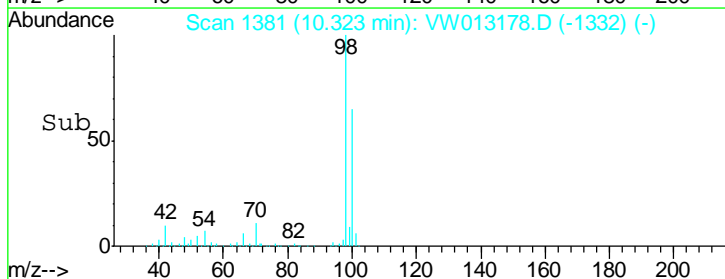
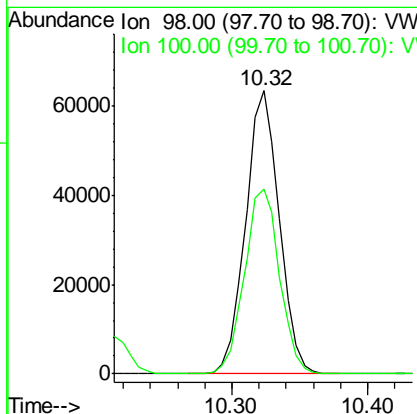
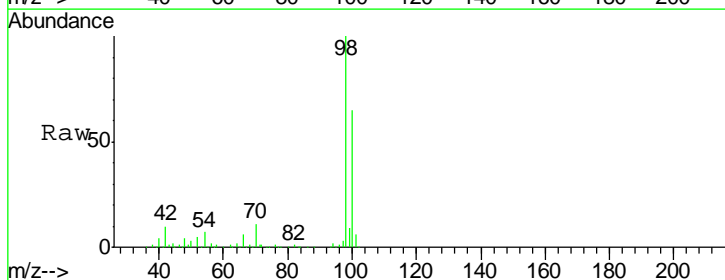
Manual Integrations
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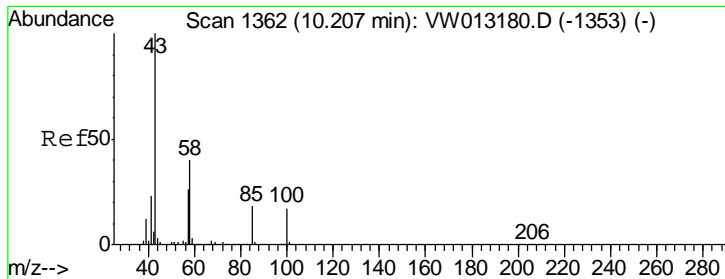
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#50
 Toluene-d8
 Concen: 10.714 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
98	109788		
98	100		
100	68.0	52.9	79.3





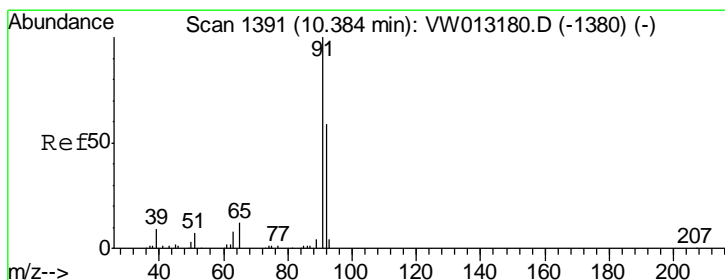
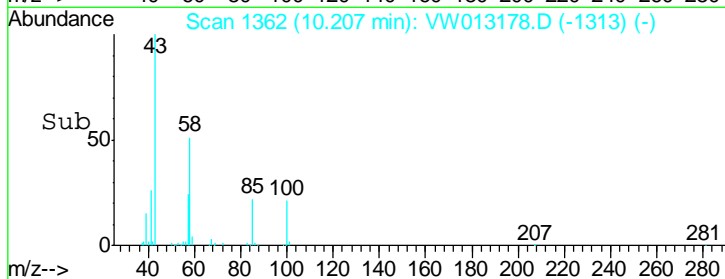
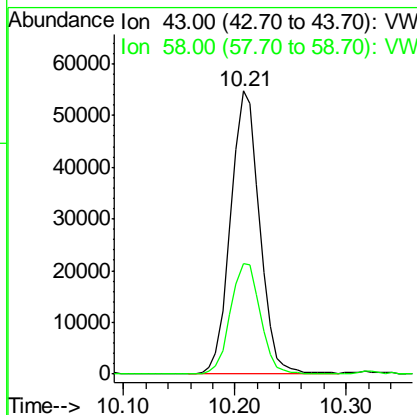
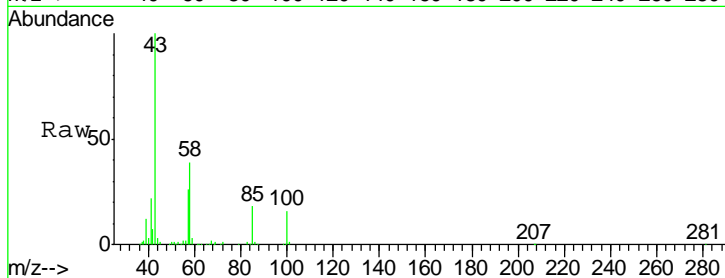
#51
 4-Methyl-2-Pentanone
 Concen: 49.840 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.4	31.7	47.5

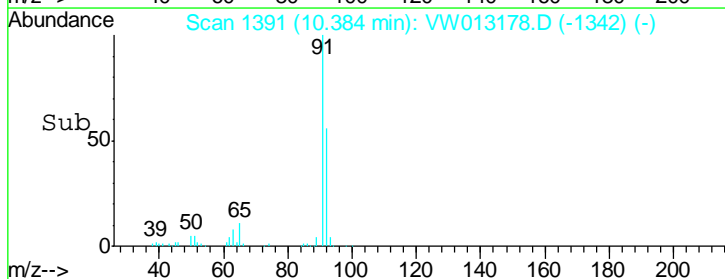
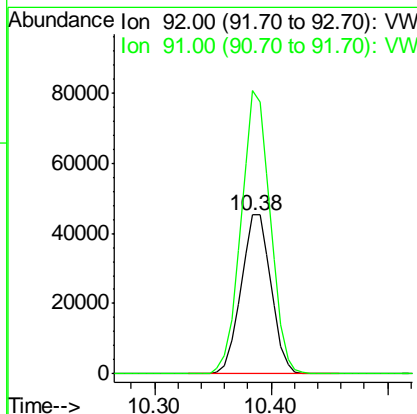
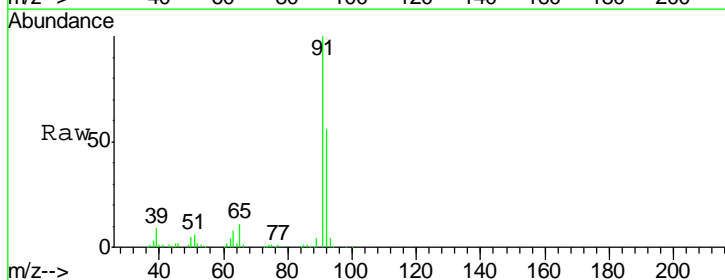
Manual Integrations
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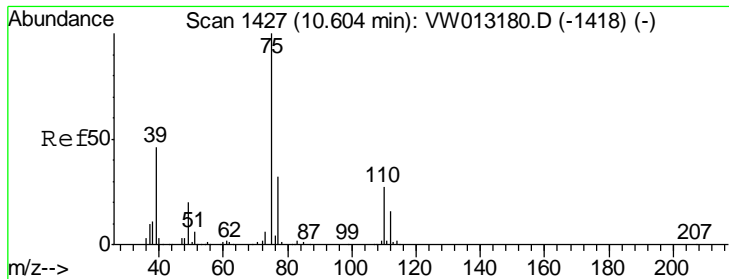
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#52
 Toluene
 Concen: 11.579 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
92	100		
91	173.0	135.7	203.5





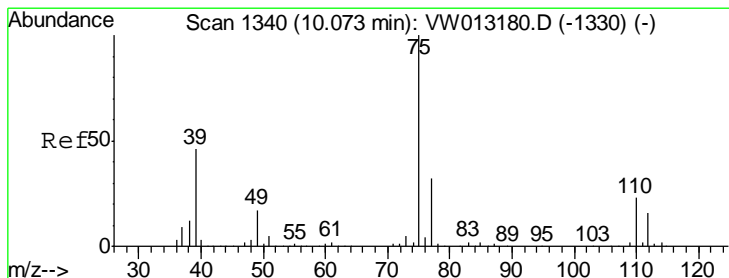
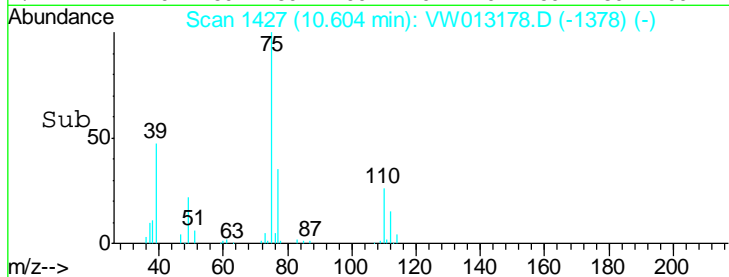
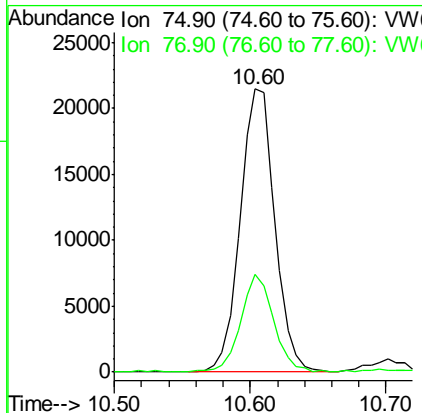
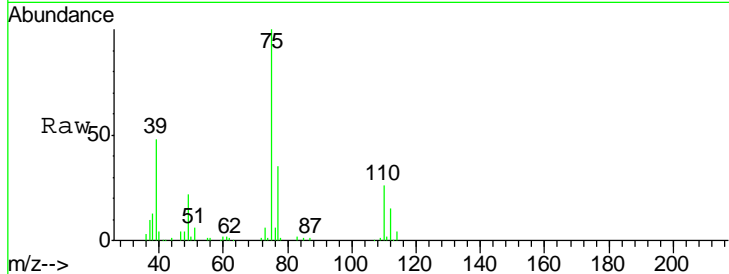
#53
 t-1,3-Dichloropropene
 Concen: 9.883 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
75	38188		
75	100		
77	34.6	25.5	38.3

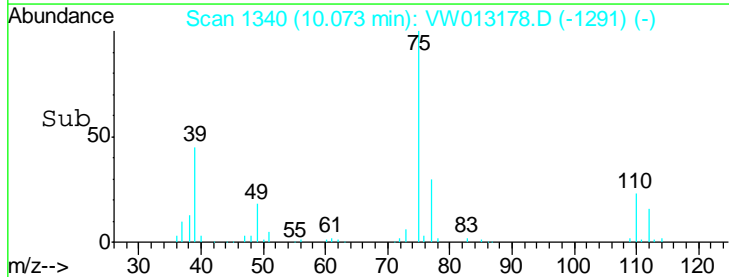
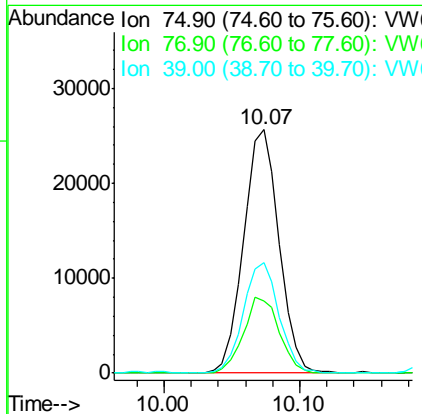
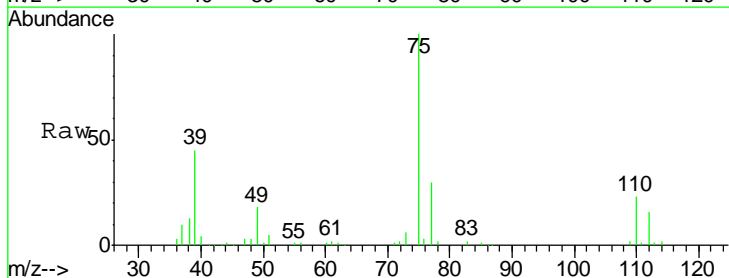
Manual Integrations
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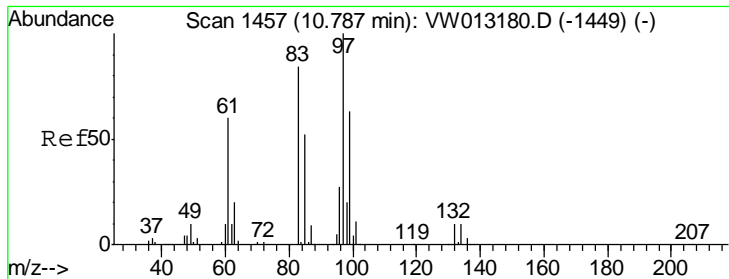
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#54
 cis-1,3-Dichloropropene
 Concen: 10.467 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
75	46696		
75	100		
77	29.6	25.2	37.8
39	45.4	36.6	55.0





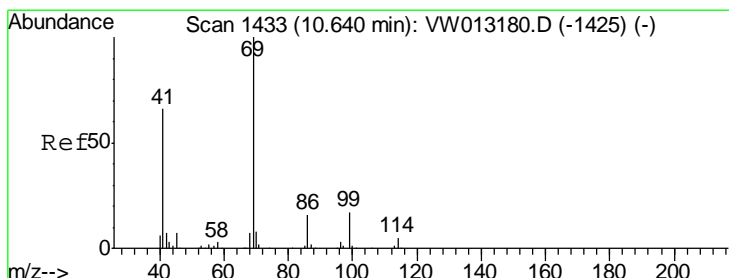
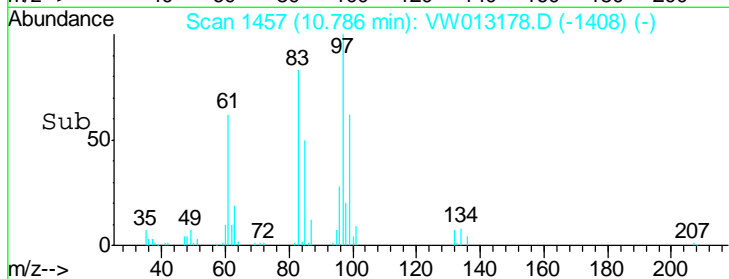
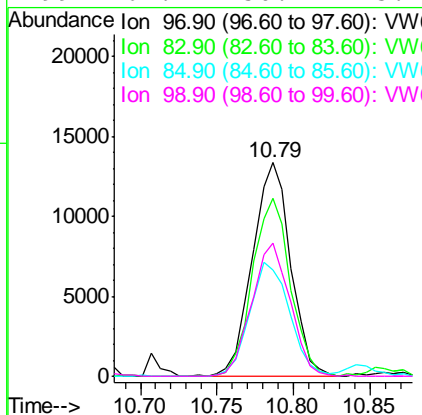
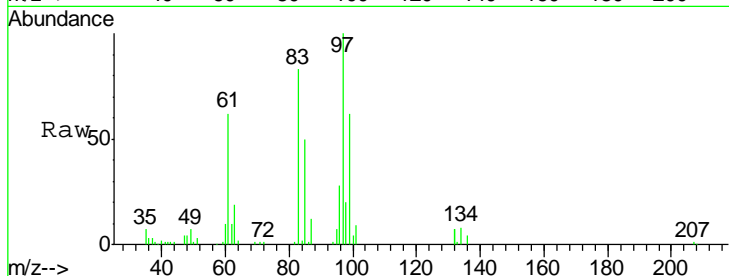
#55
 1,1,2-Trichloroethane
 Concen: 11.011 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
97	23171		
97	100		
83	83.4	67.6	101.4
85	49.6	41.9	62.9
99	62.1	50.1	75.1

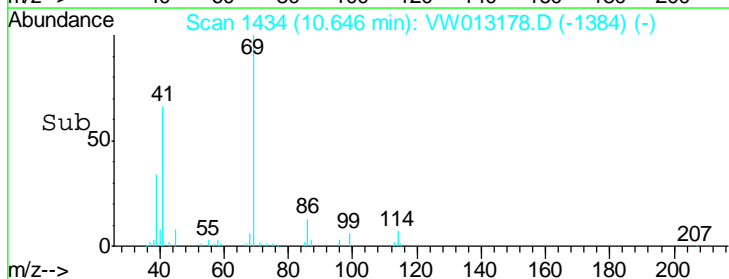
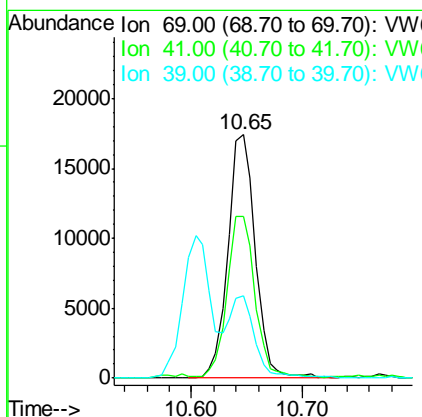
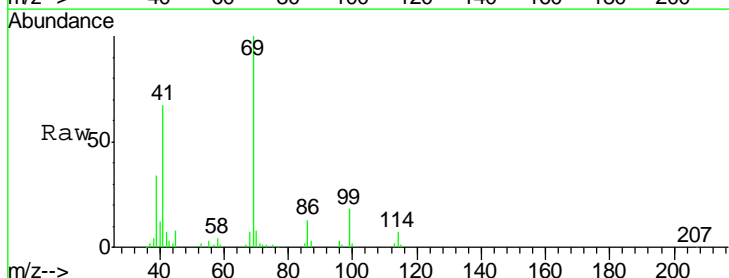
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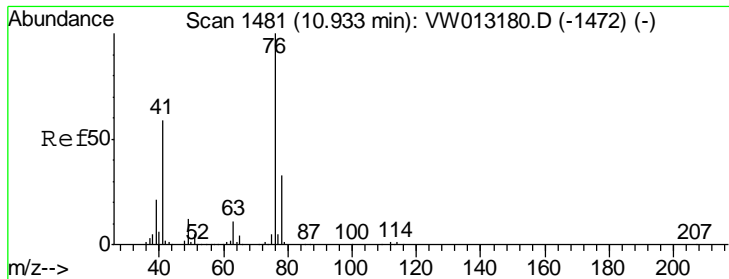
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#56
 Ethyl methacrylate
 Concen: 10.534 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
69	29659		
69	100		
41	68.7	53.9	80.9
39	31.7	23.8	35.6





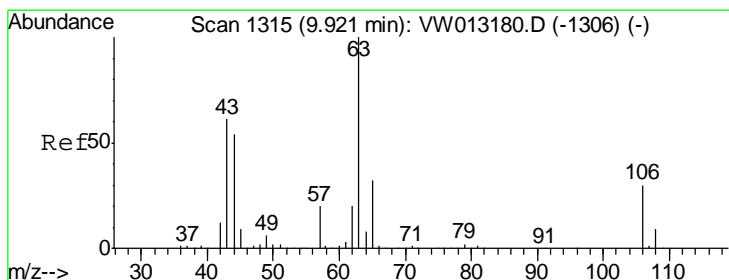
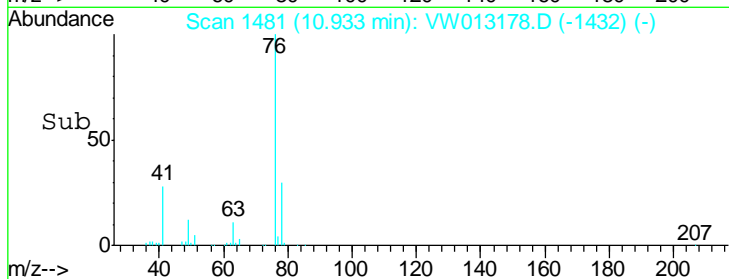
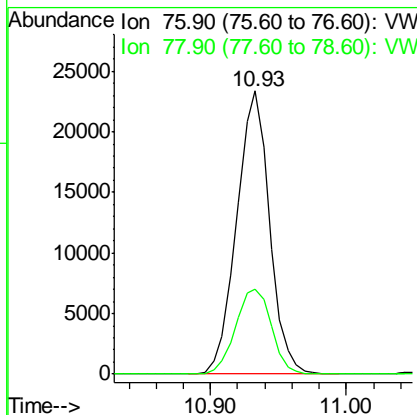
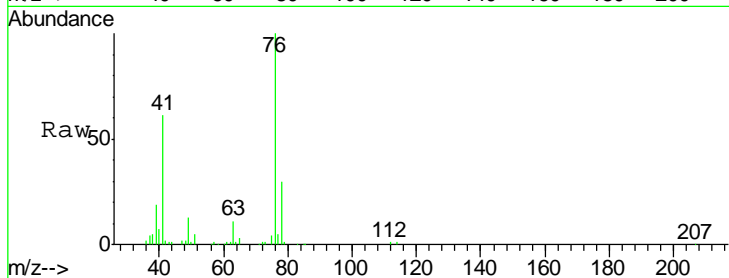
#57
 1,3-Dichloropropane
 Concen: 10.586 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
76	39410		
76	100		
78	32.6	25.5	38.3

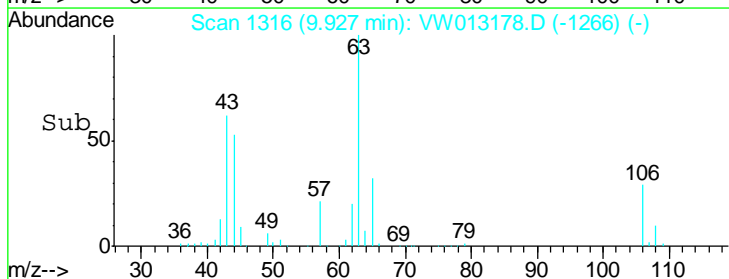
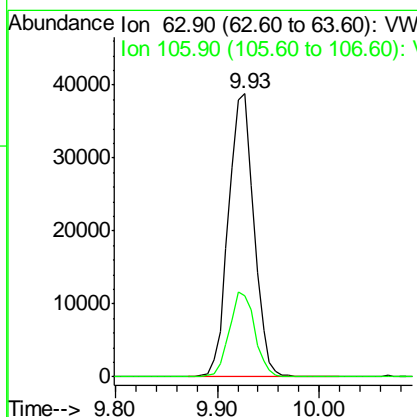
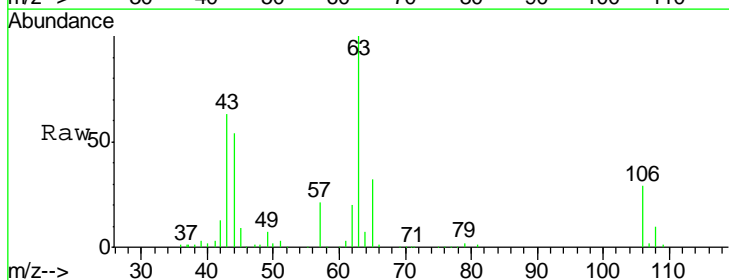
Manual Integrations
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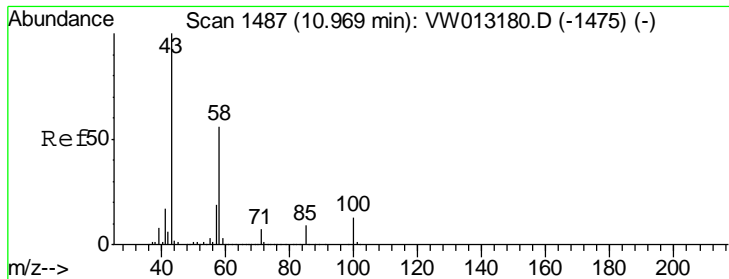
MMDadoda
 9/24/2019 5:28:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 44.898 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
63	66878		
63	100		
106	30.0	23.4	35.0





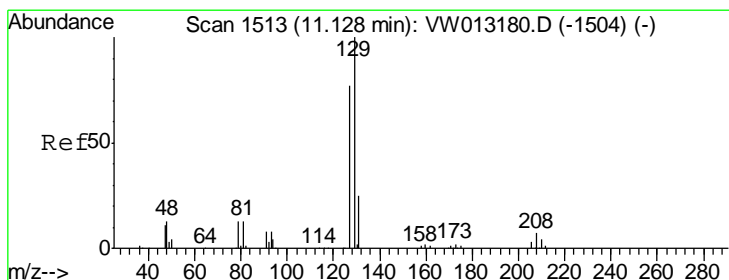
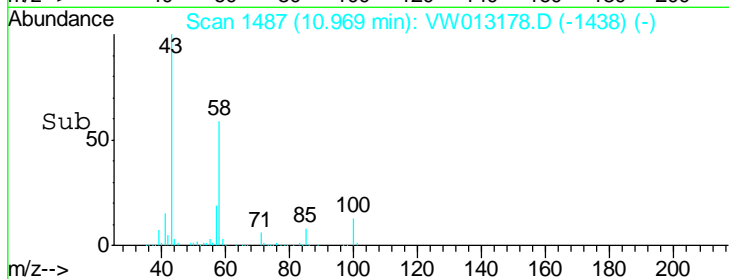
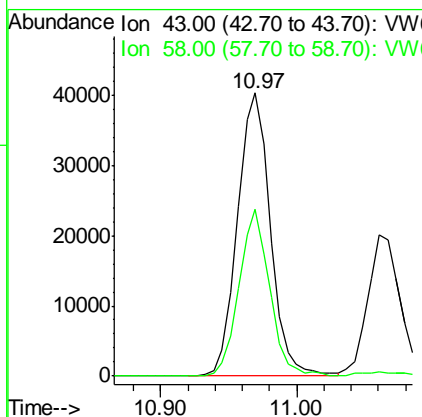
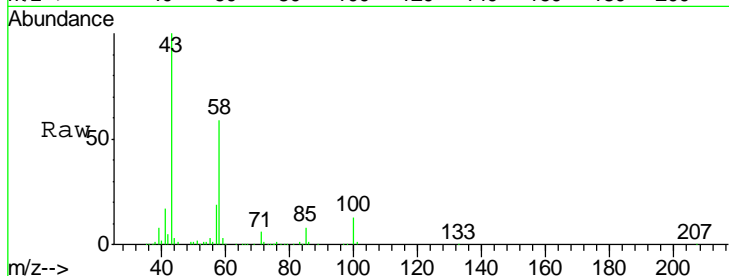
#59
 2-Hexanone
 Concen: 49.461 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
43	67971		
58	54.9	28.1	84.2

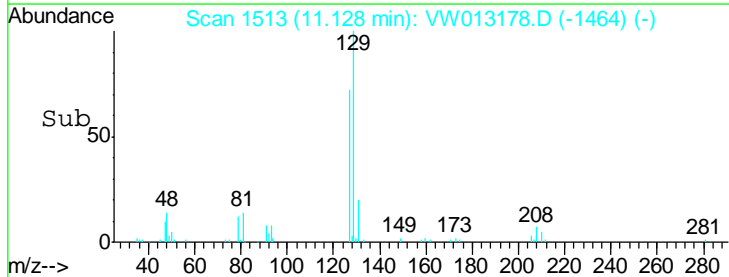
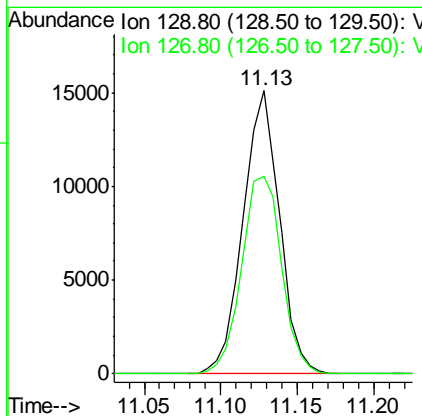
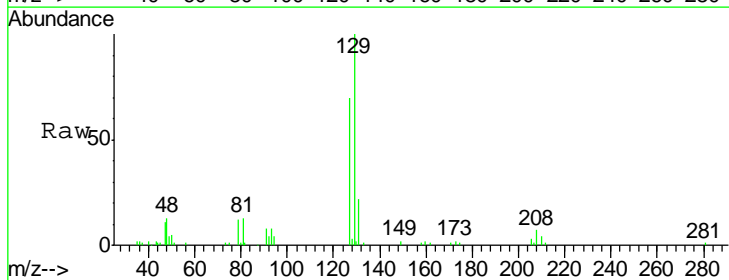
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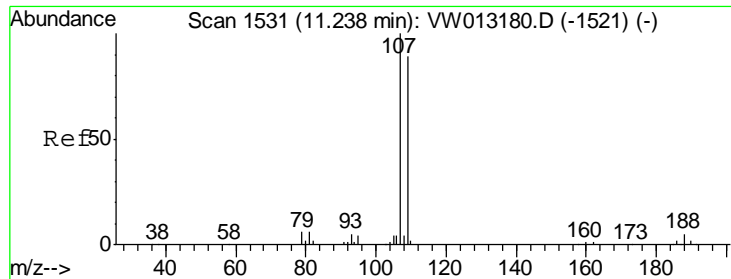
MMDadoda
 9/24/2019 5:28:42 AM



#60
 Dibromochloromethane
 Concen: 9.949 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
129	25005		
127	76.4	38.8	116.4





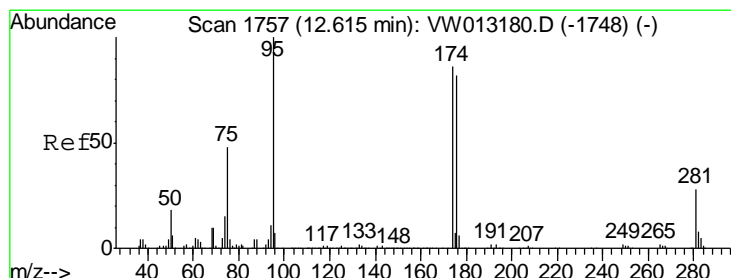
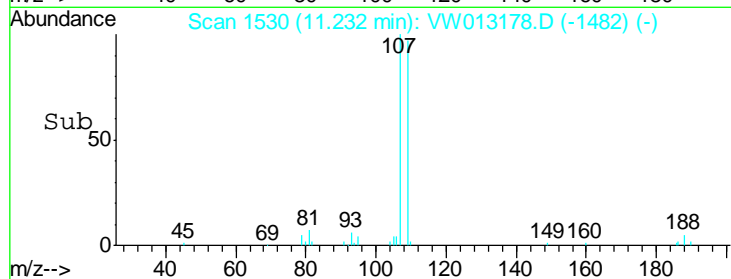
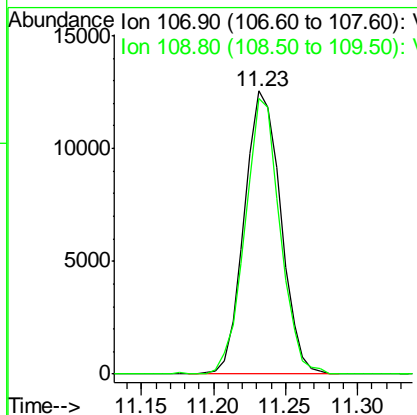
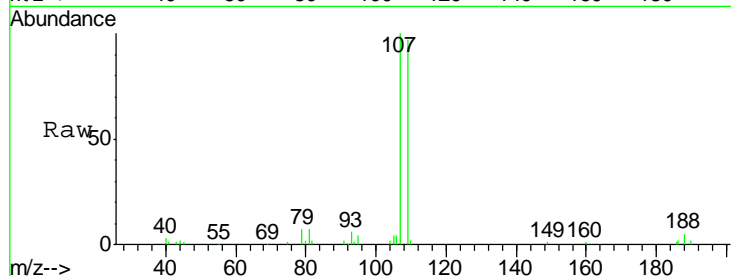
#61
 1,2-Dibromoethane
 Concen: 11.405 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
107	21963		
109	93.3	75.2	112.8

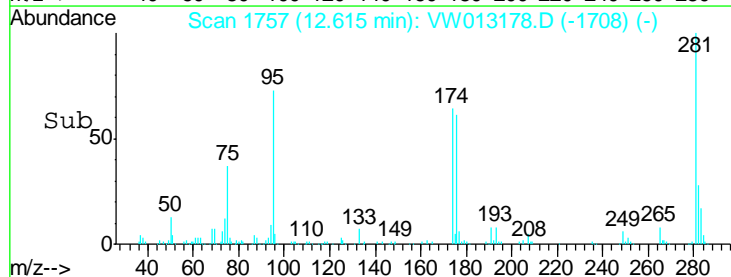
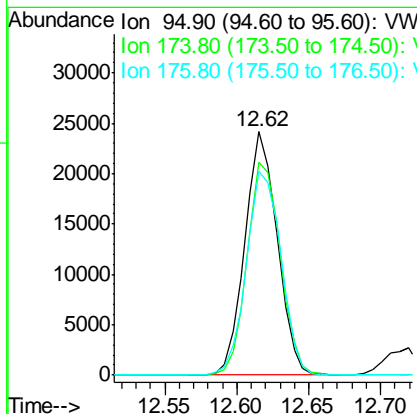
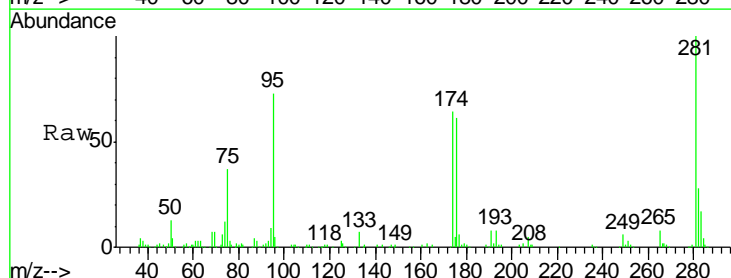
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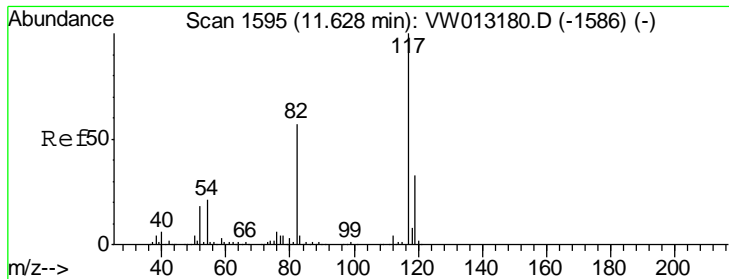
MMDadoda
 9/24/2019 5:28:42 AM



#62
 4-Bromofluorobenzene
 Concen: 10.226 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
95	37524		
174	89.9	0.0	178.4
176	89.3	0.0	172.2





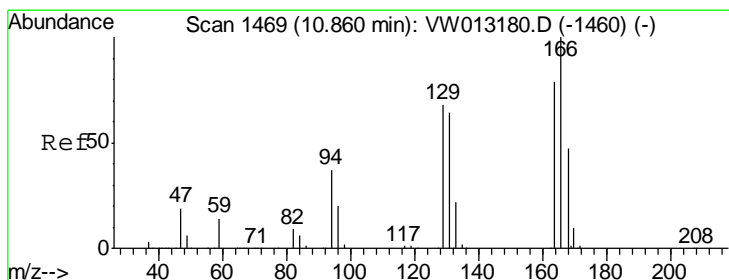
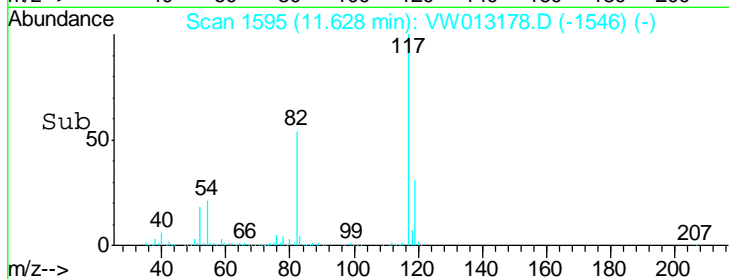
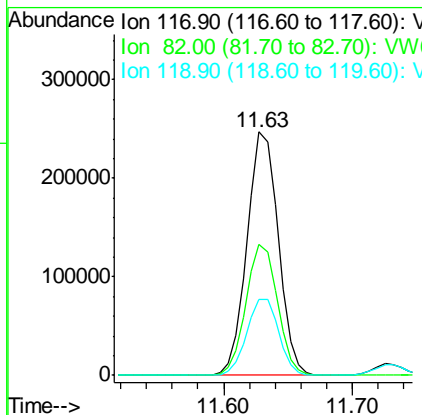
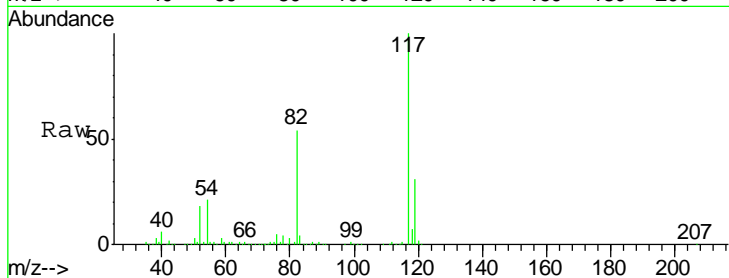
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
117	412646		
82	54.1	45.9	68.9
119	31.2	26.2	39.2

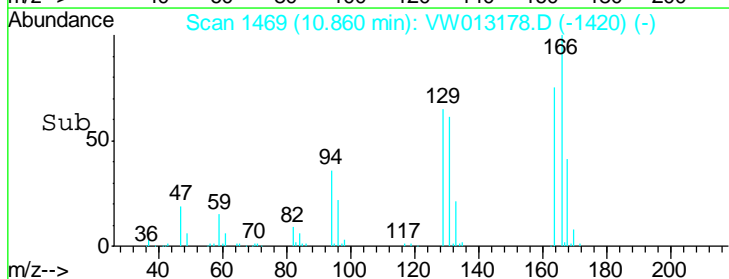
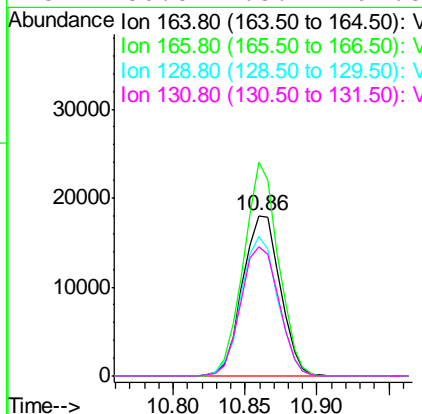
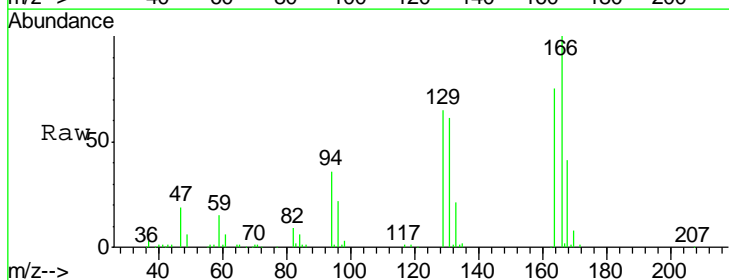
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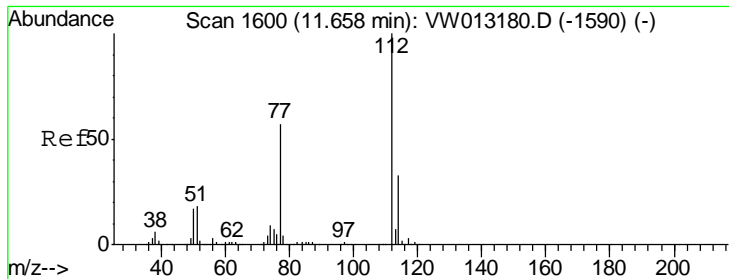
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#64
 Tetrachloroethene
 Concen: 12.752 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
164	32700		
166	133.3	101.2	151.8
129	87.1	68.8	103.2
131	80.8	65.2	97.8





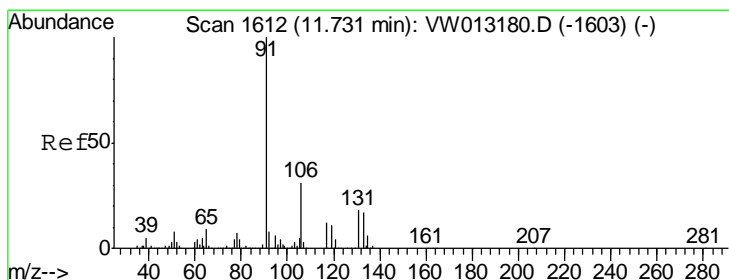
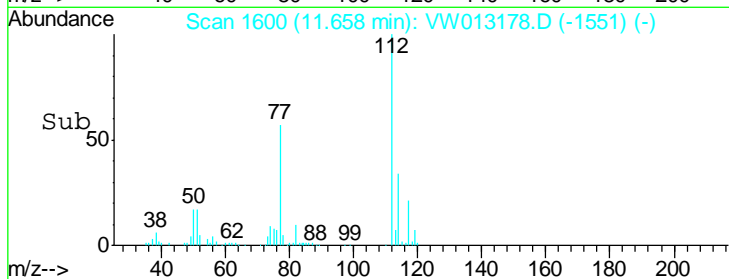
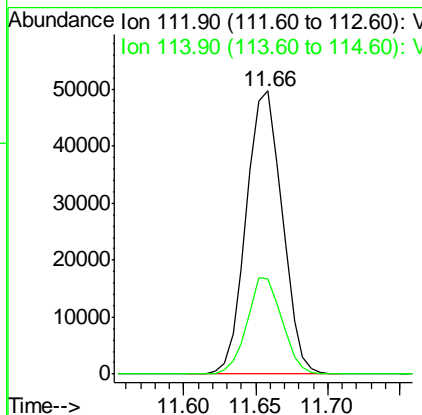
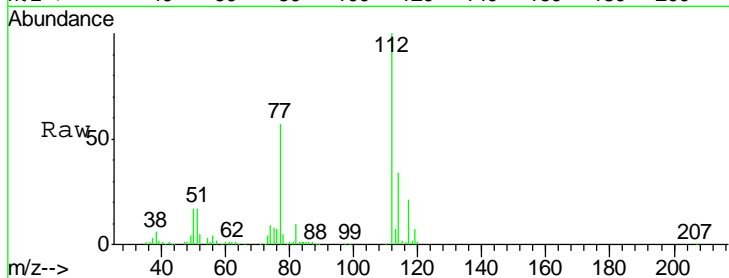
#65
 Chlorobenzene
 Concen: 11.391 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
112	100		
114	33.5	26.5	39.7

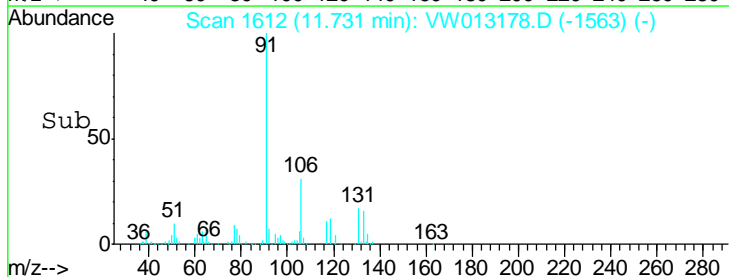
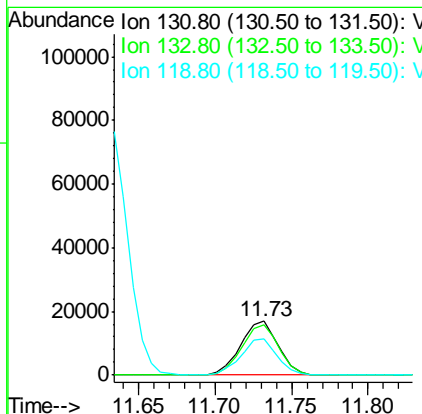
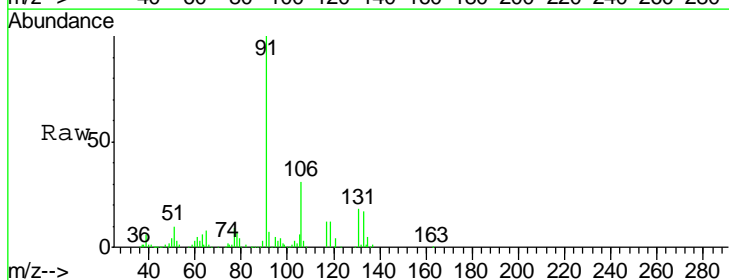
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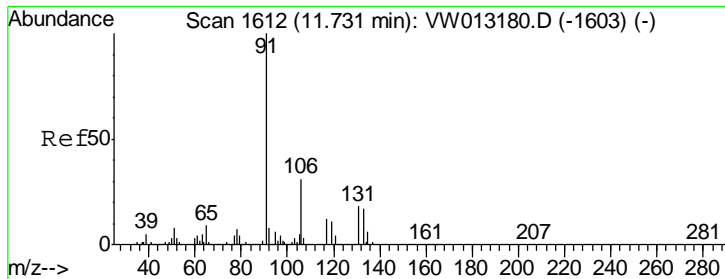
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 10.071 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.2	47.5	142.6
119	64.8	32.5	97.5





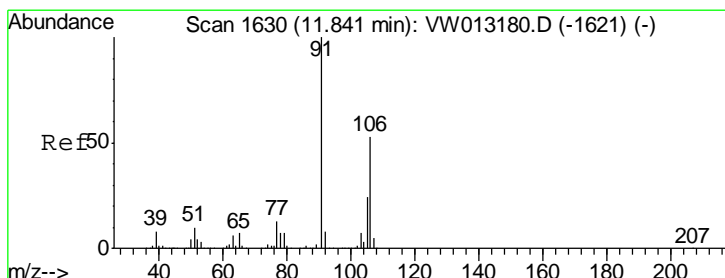
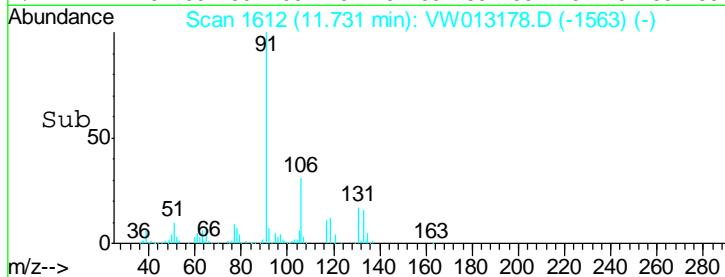
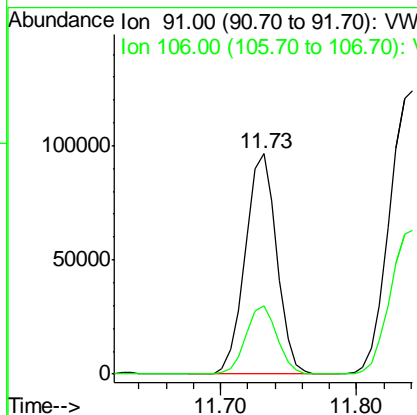
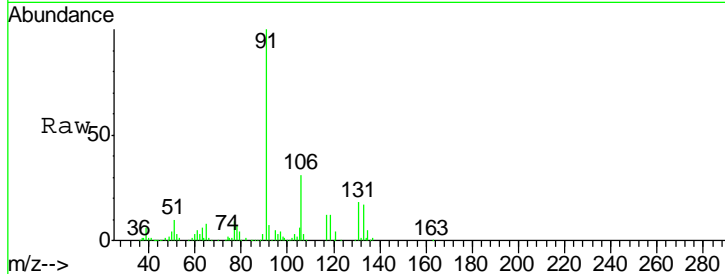
#67
 Ethyl Benzene
 Concen: 11.280 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.2	24.9	37.3

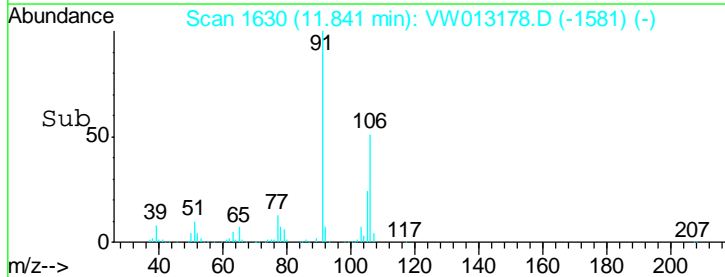
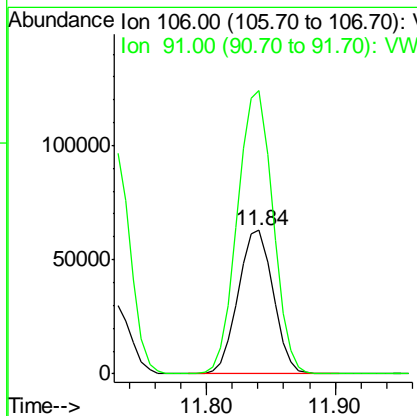
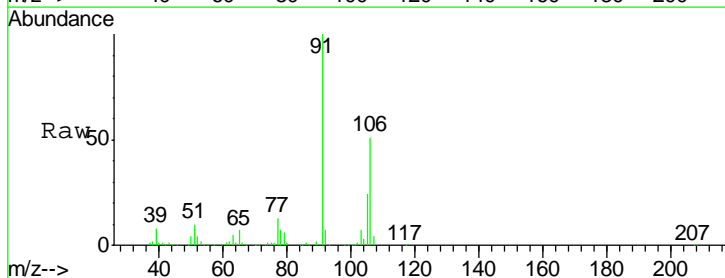
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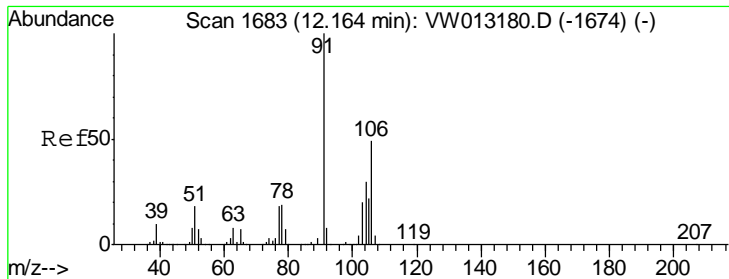
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 9/24/2019 5:28:42 AM



#68
 m/p-Xylenes
 Concen: 23.179 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.3	157.9	236.9





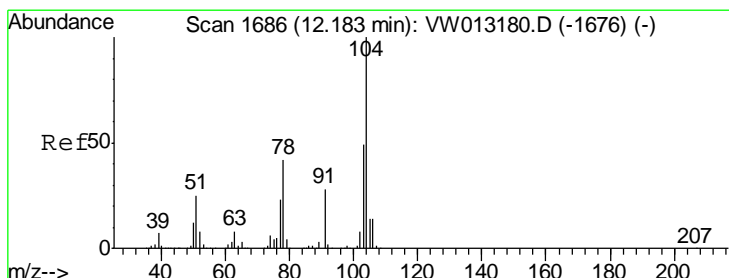
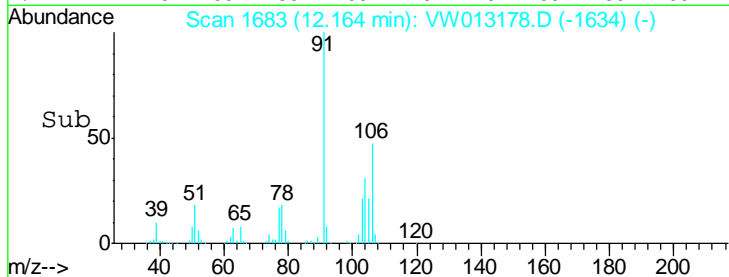
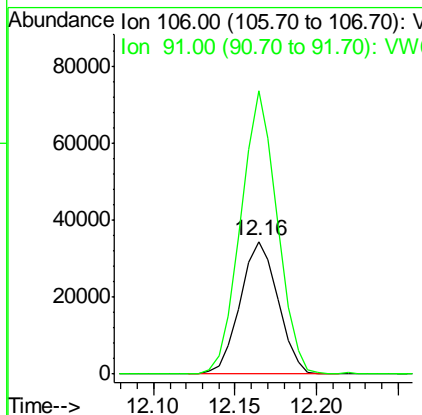
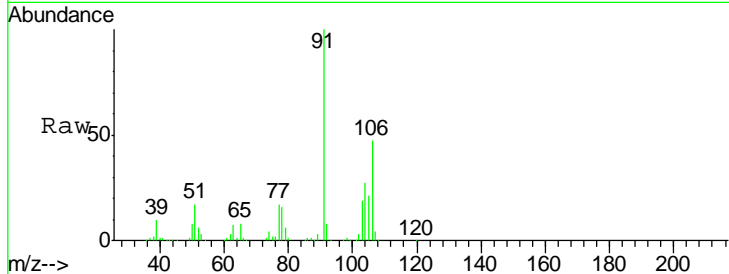
#69
 o-Xylene
 Concen: 11.653 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
106	55682		
106	100		
91	206.1	106.5	319.5

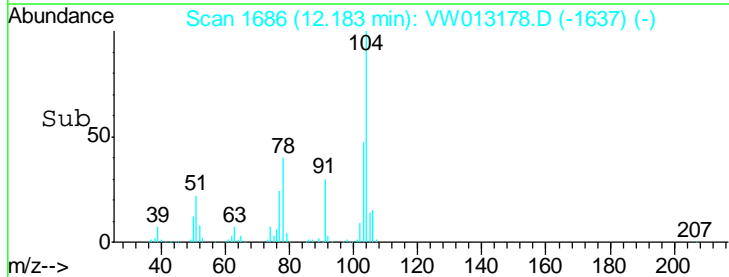
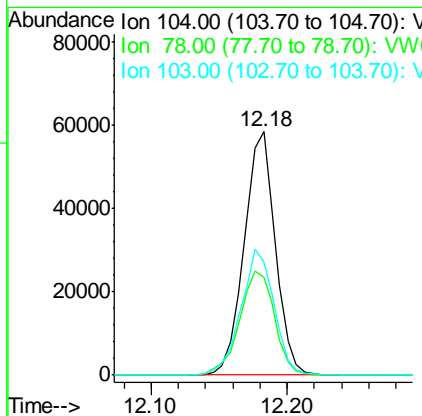
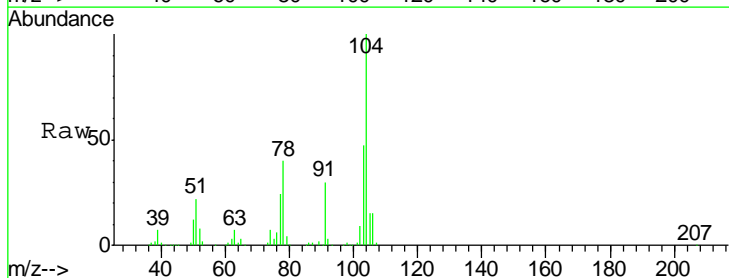
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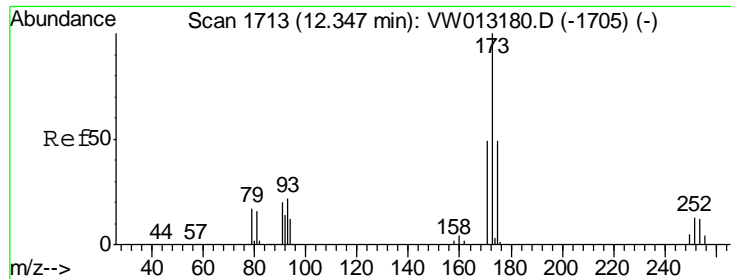
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#70
 Styrene
 Concen: 11.067 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
104	93708		
104	100		
78	47.8	38.4	57.6
103	55.0	43.3	64.9





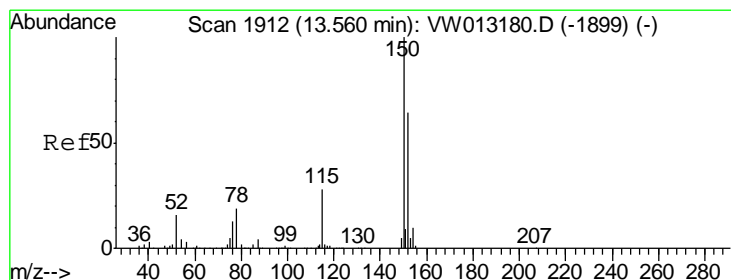
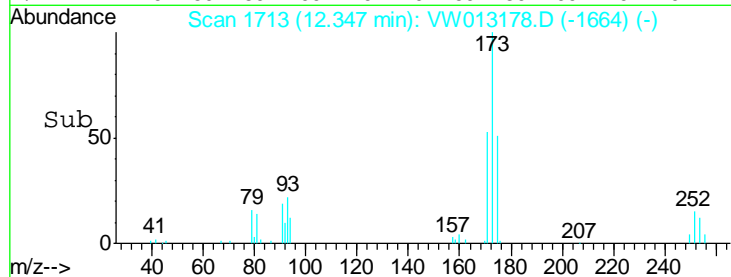
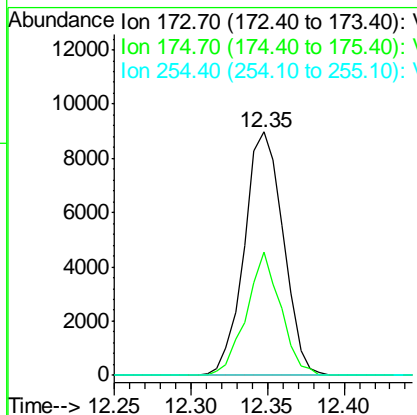
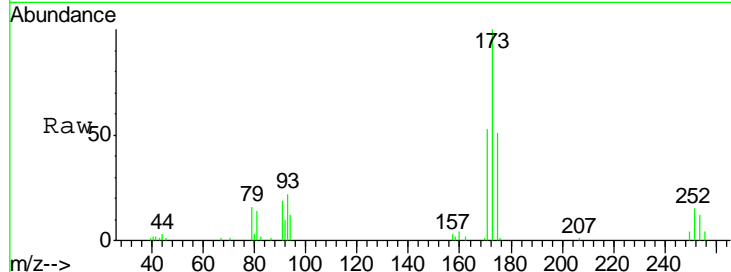
#71
 Bromoform
 Concen: 10.729 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
173	15868		
175	44.8	24.3	73.0
254	0.0	0.1	0.1#

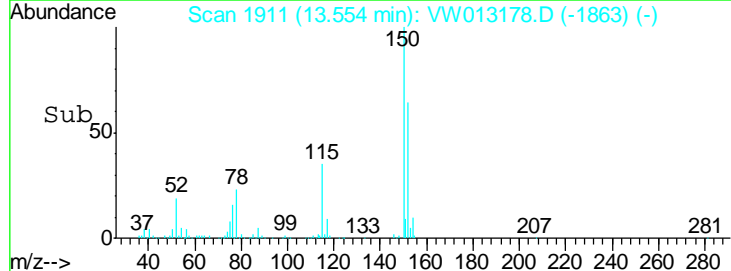
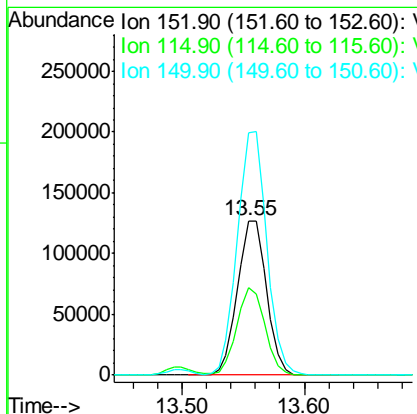
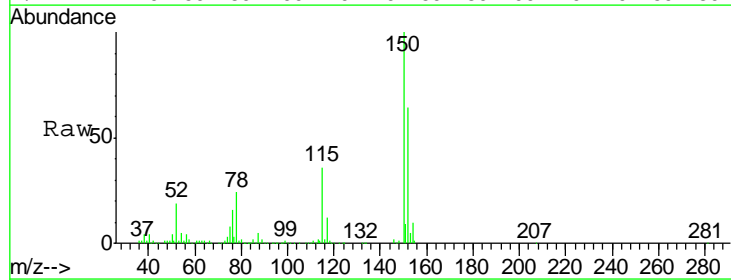
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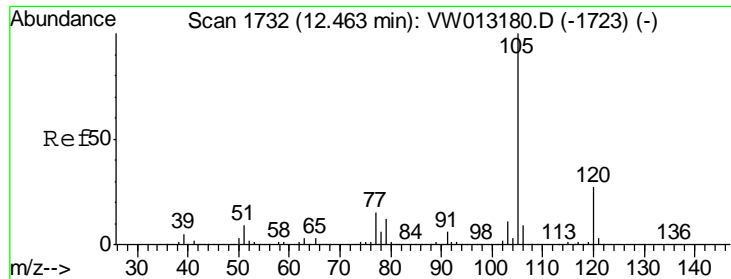
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
152	208501		
115	54.9	27.3	81.9
150	160.2	0.0	349.0





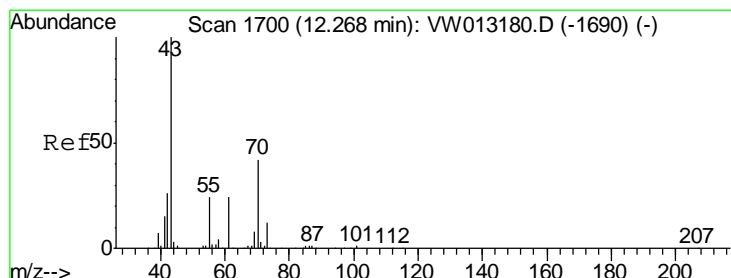
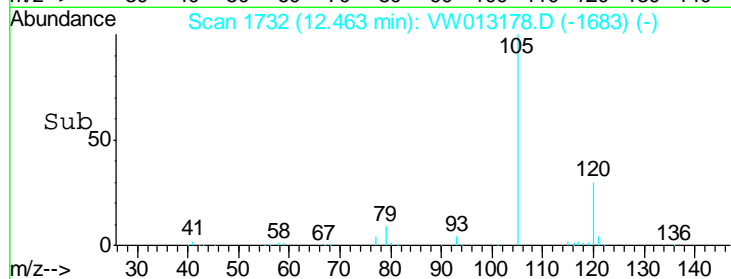
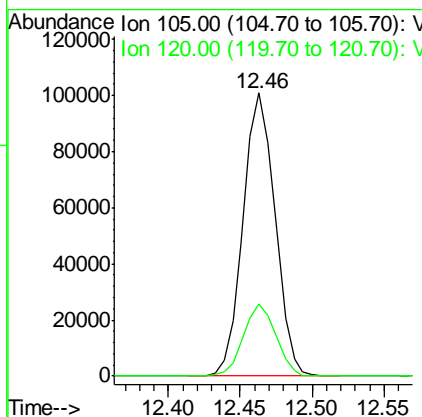
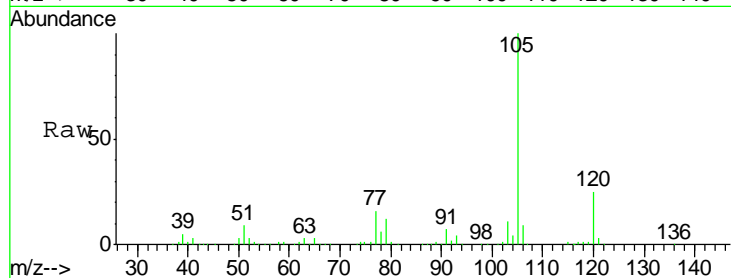
#73
 Isopropylbenzene
 Concen: 11.056 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
105	155238		
120	25.7	13.4	40.1

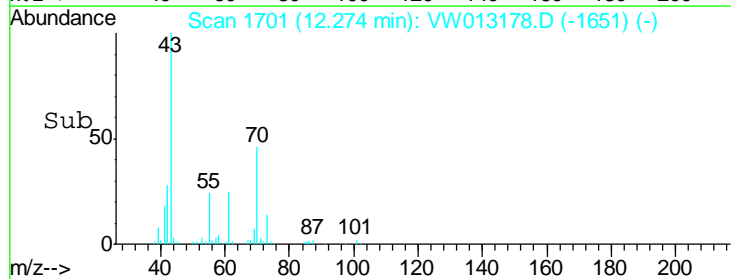
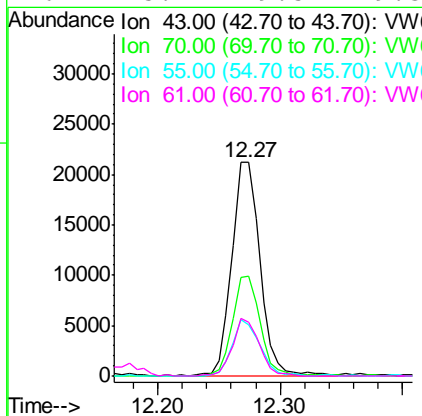
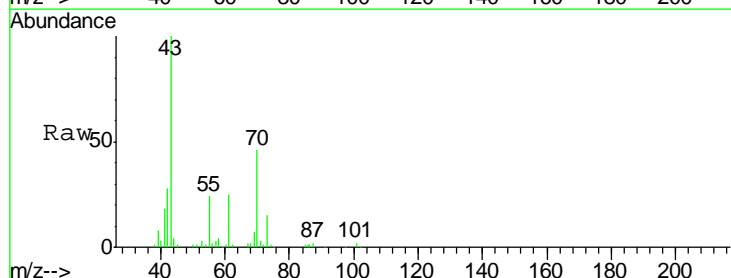
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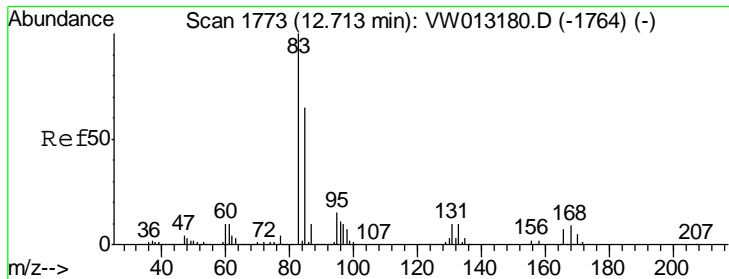
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#74
 N-aryl acetate
 Concen: 9.664 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
43	34016		
70	45.4	35.1	52.7
55	25.8	19.9	29.9
61	25.1	19.5	29.3





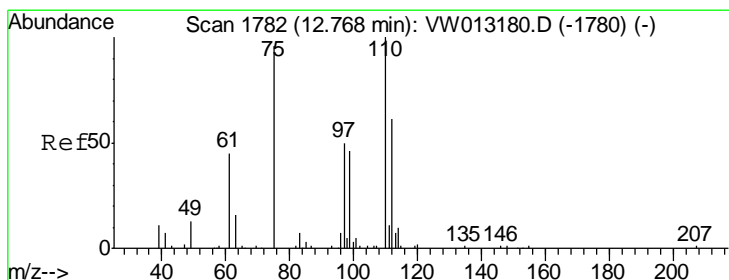
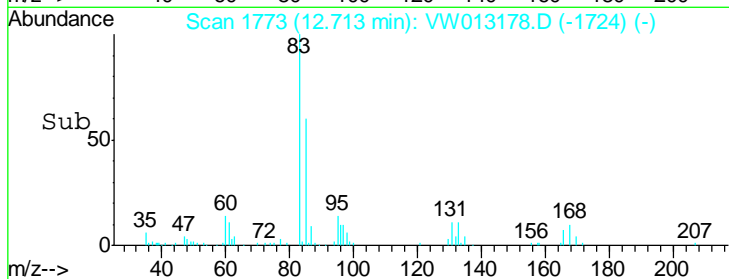
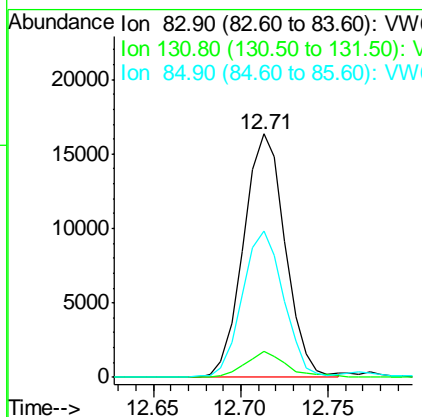
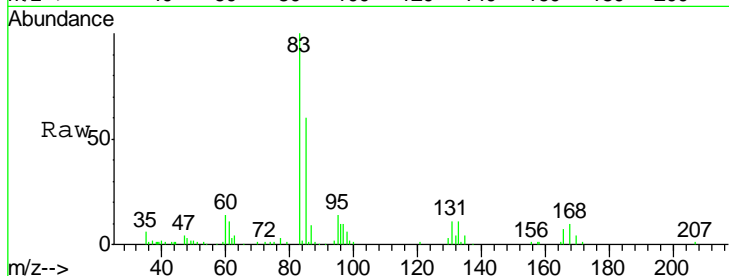
#75
 1,1,2,2-Tetrachloroethane
 Concen: 11.186 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
83	27148		
83	100		
131	10.5	5.4	16.2
85	59.3	31.9	95.9

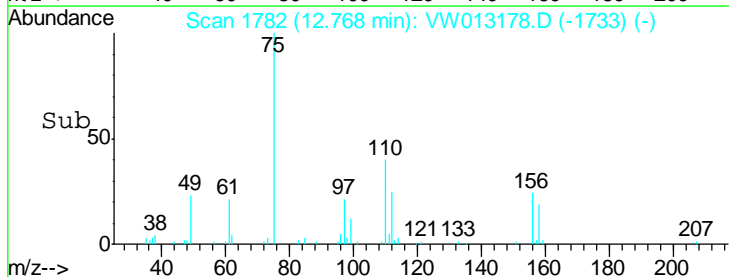
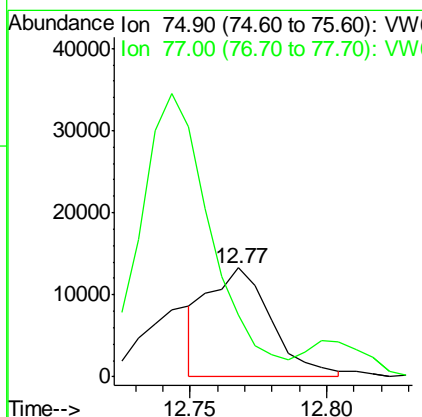
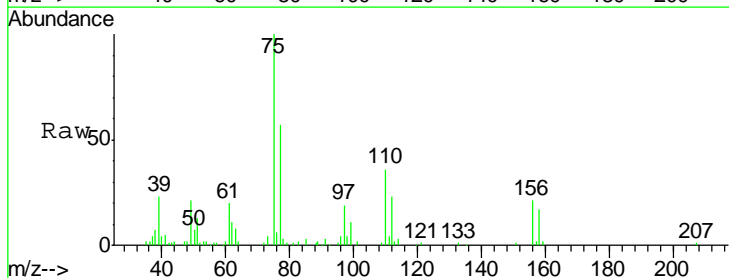
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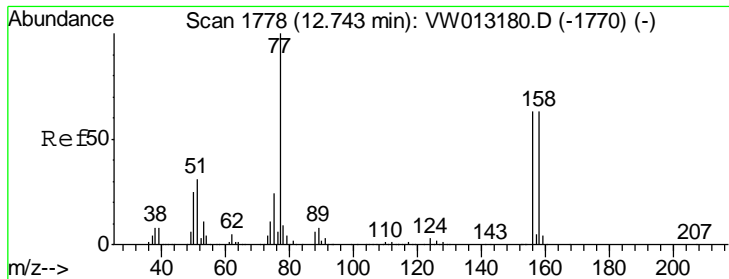
MMDadoda
 9/24/2019 5:28:42 AM



#76
 1,2,3-Trichloropropane
 Concen: 11.775 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
75	21418		
75	100		
77	0.0	0.0	0.0





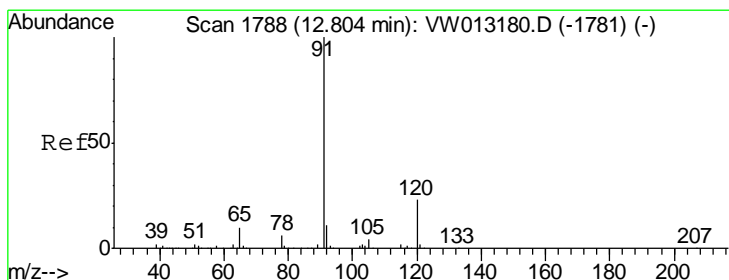
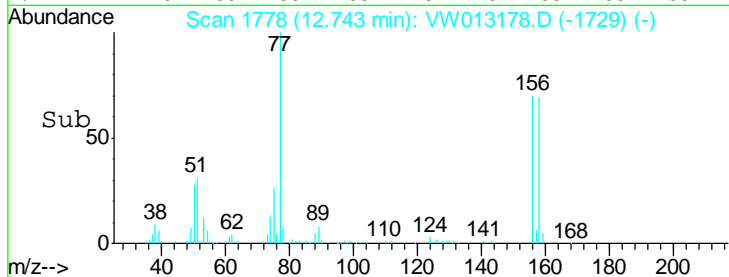
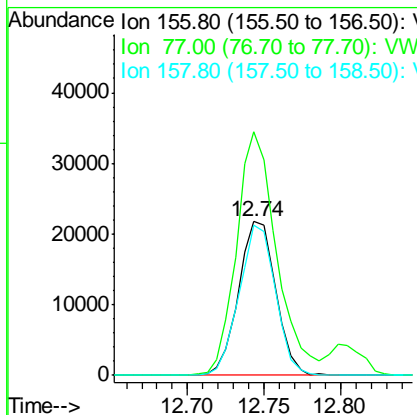
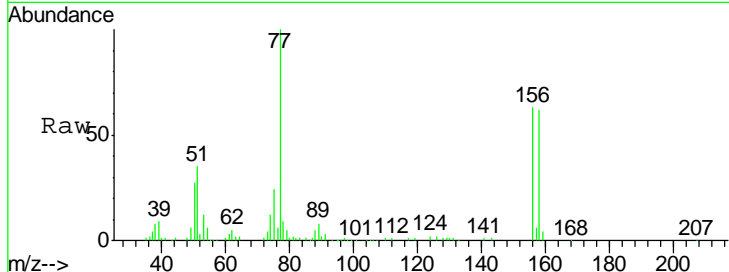
#77
 Bromobenzene
 Concen: 11.239 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
156	36763		
77	170.6	85.7	257.1
158	95.2	48.1	144.4

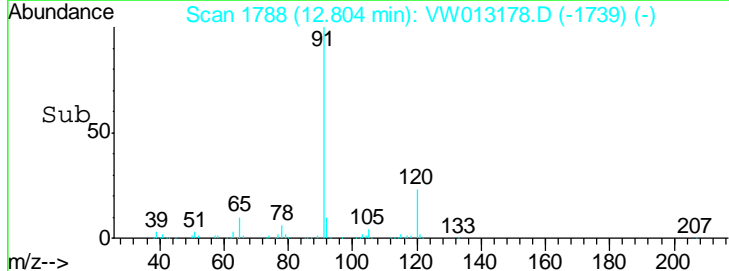
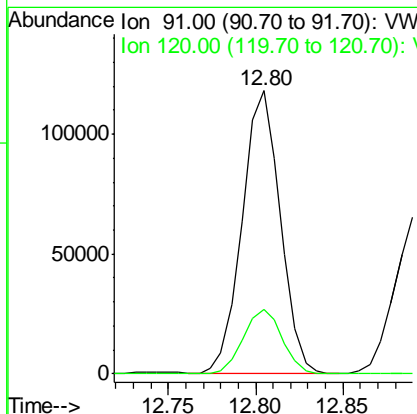
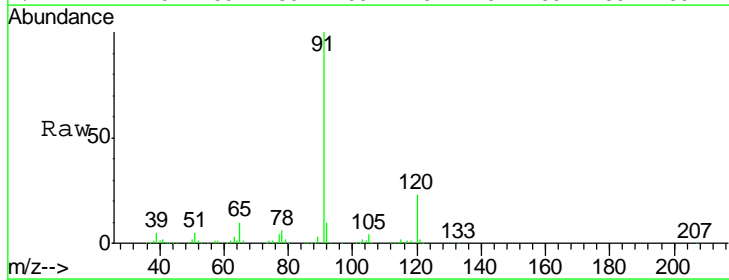
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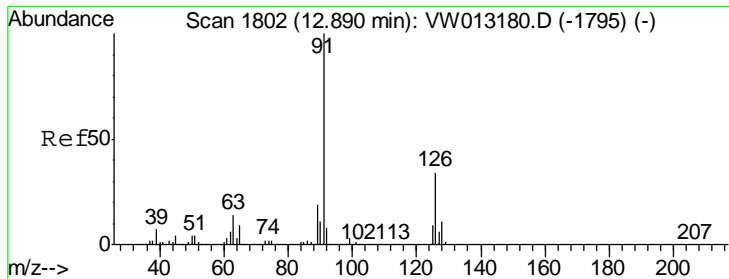
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 9/24/2019 5:28:42 AM



#78
 n-propylbenzene
 Concen: 10.863 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
91	179298		
120	23.3	11.7	35.1





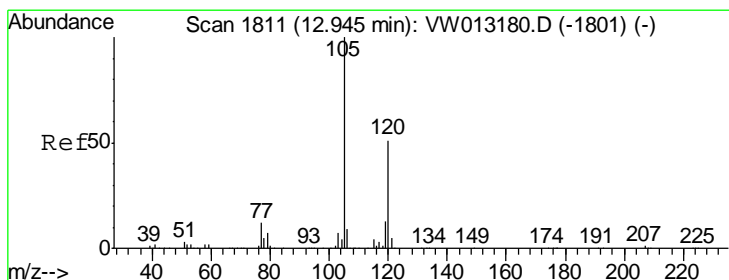
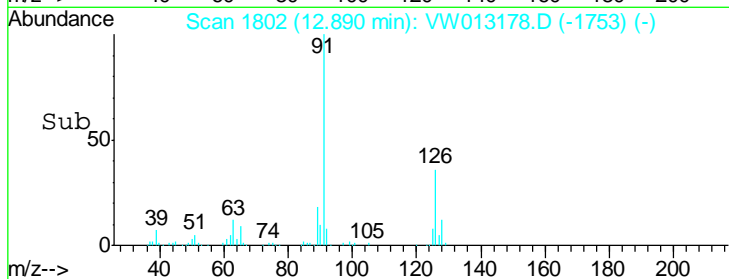
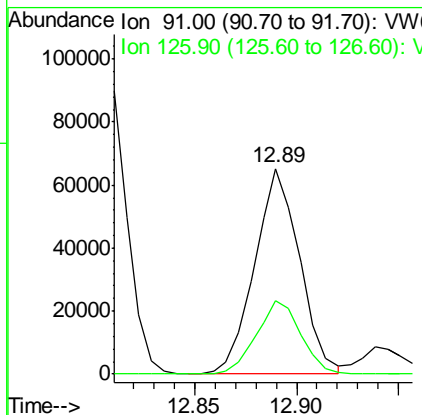
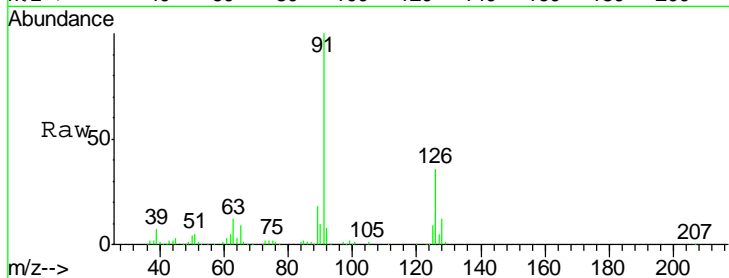
#79
 2-Chlorotoluene
 Concen: 10.571 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.3	17.2	51.5

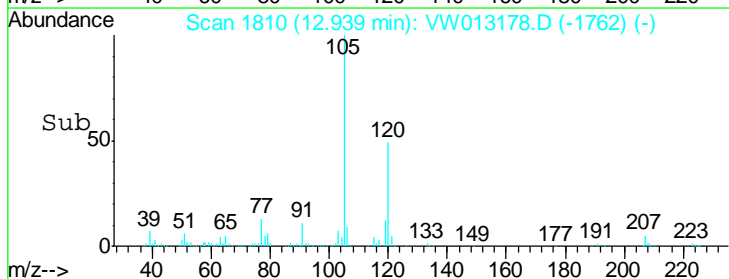
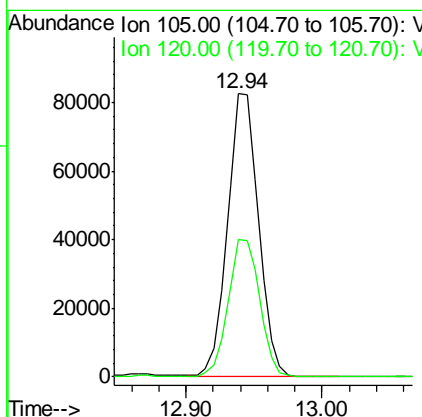
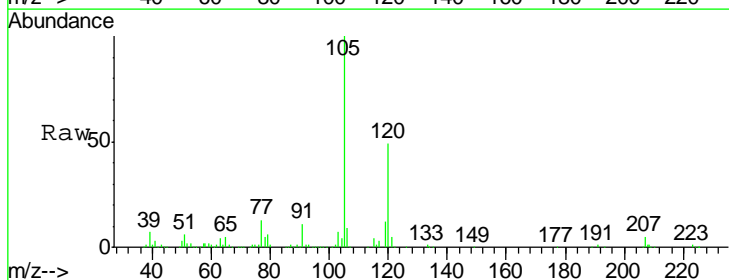
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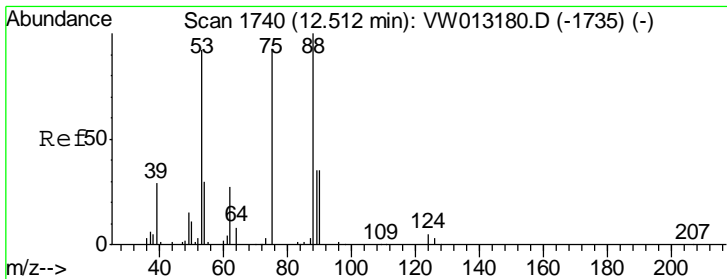
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#80
 1,3,5-Trimethylbenzene
 Concen: 11.002 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.3	24.9	74.8





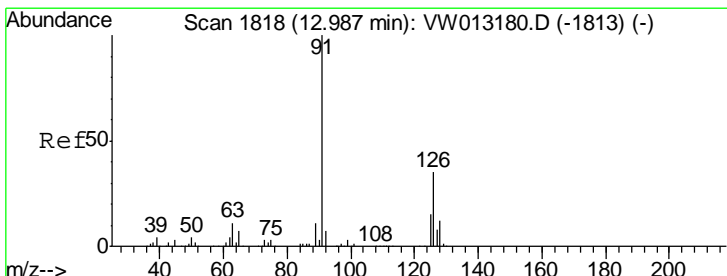
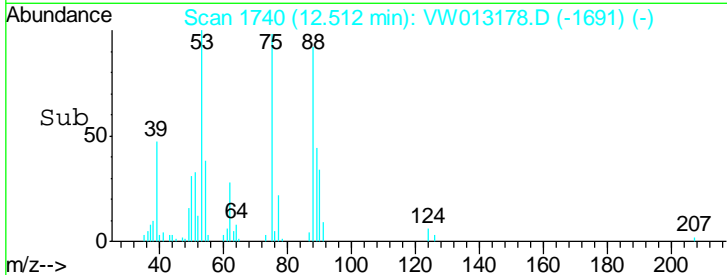
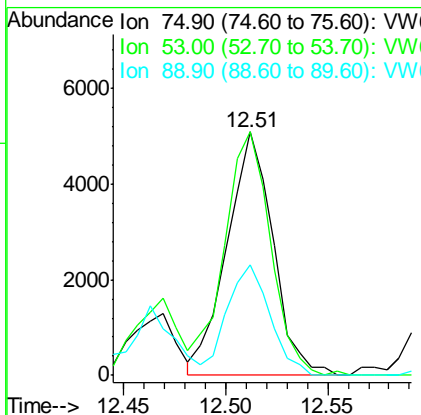
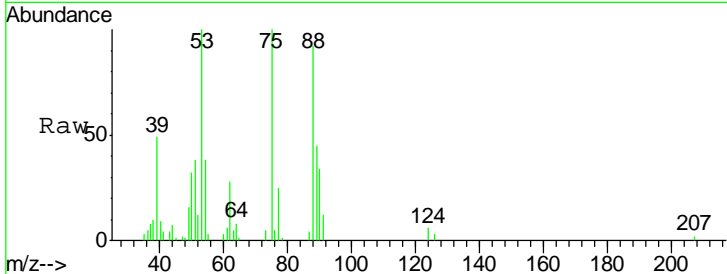
#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.901 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
75	7959		
75	100		
53	101.3	76.6	114.8
89	42.2	33.5	50.3

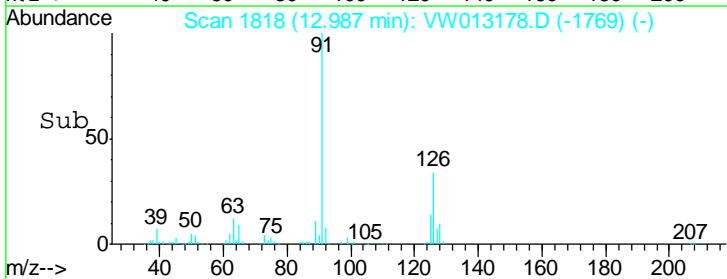
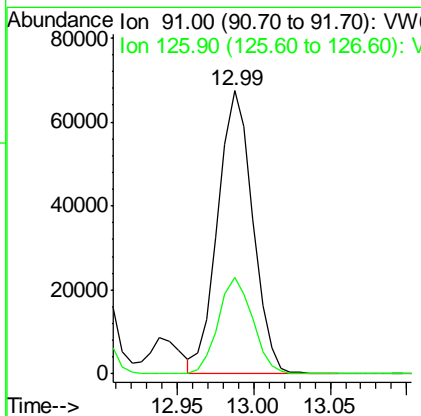
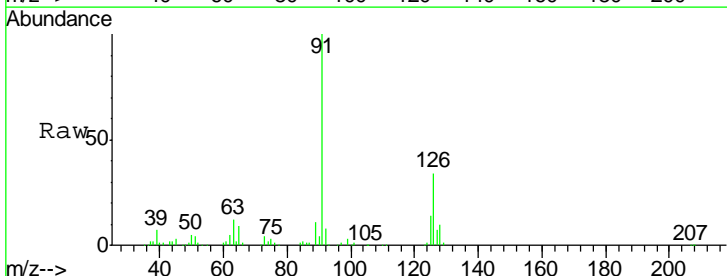
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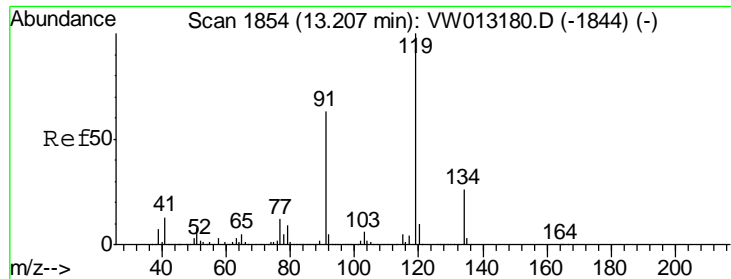
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#82
 4-Chlorotoluene
 Concen: 10.747 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
91	106651		
91	100		
126	33.7	17.3	51.7





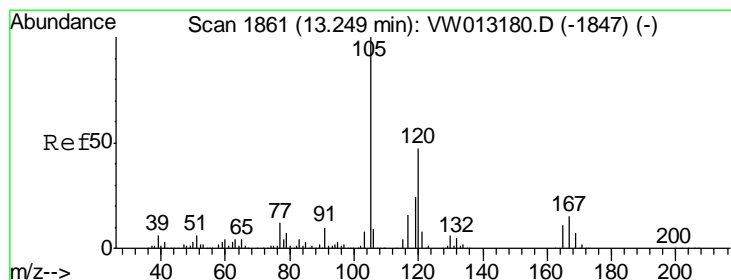
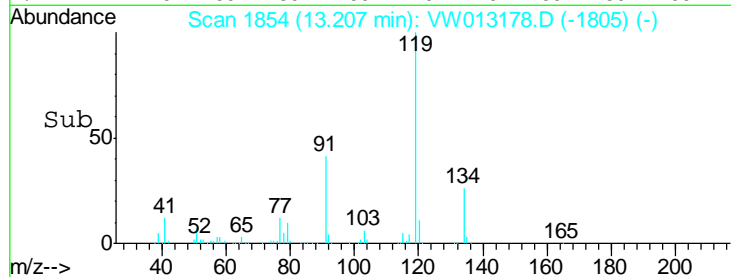
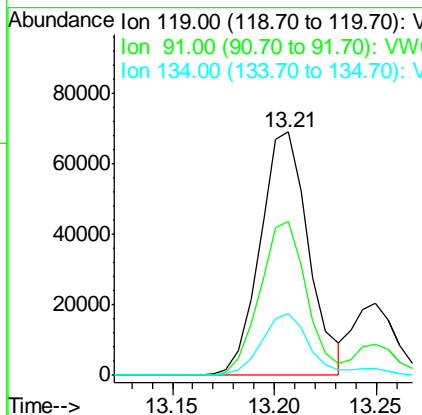
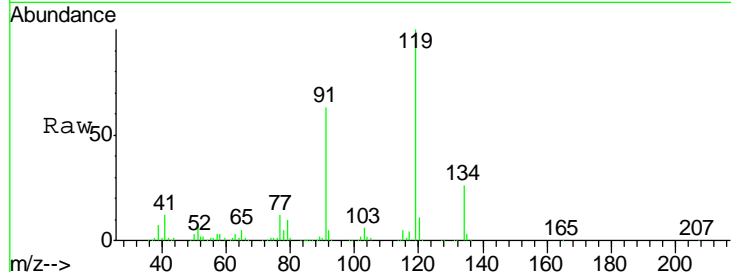
#83
 tert-Butylbenzene
 Concen: 10.835 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
119	114730		
91	60.9	30.7	92.1
134	24.8	12.6	37.6

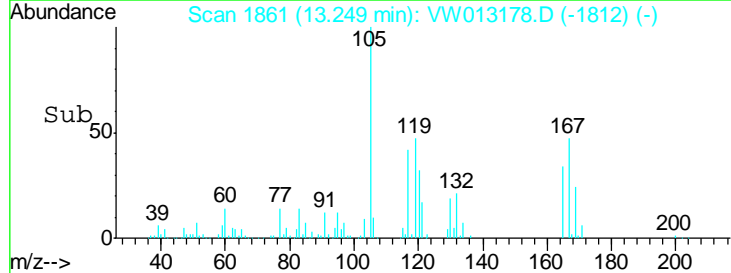
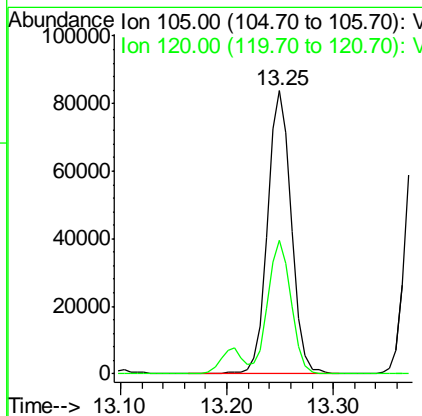
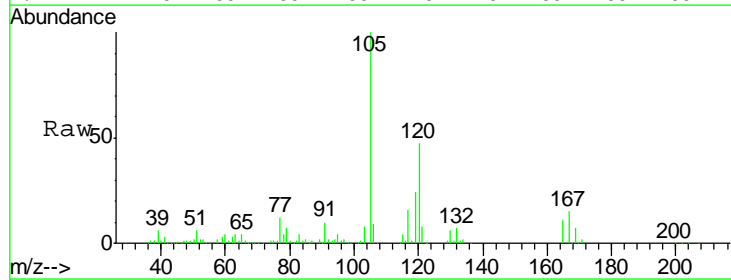
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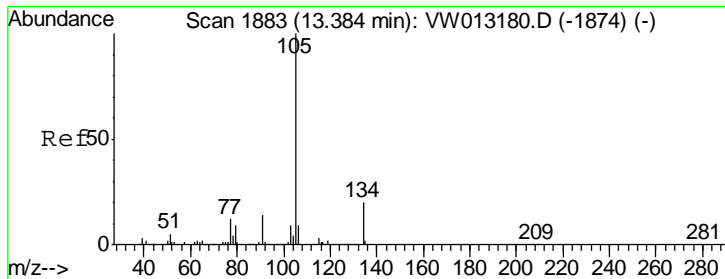
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#84
 1,2,4-Trimethylbenzene
 Concen: 11.142 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
105	130873		
120	46.6	23.4	70.3





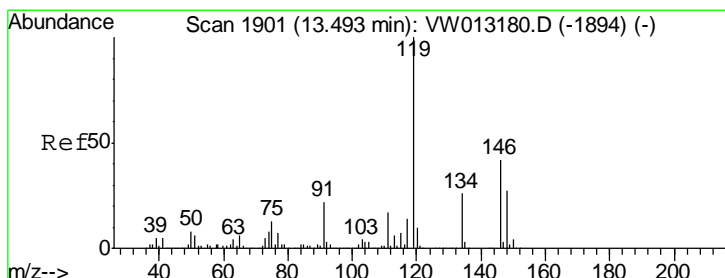
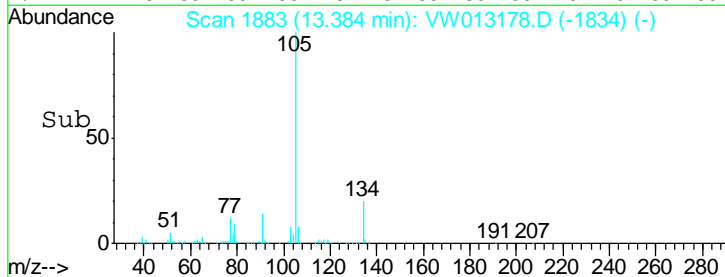
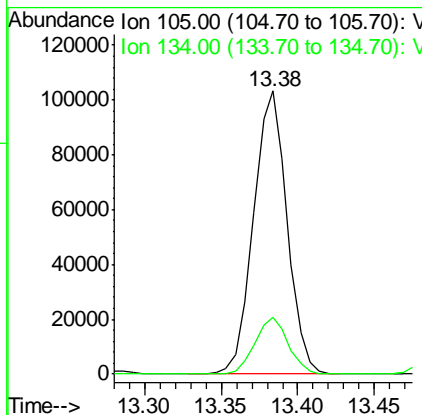
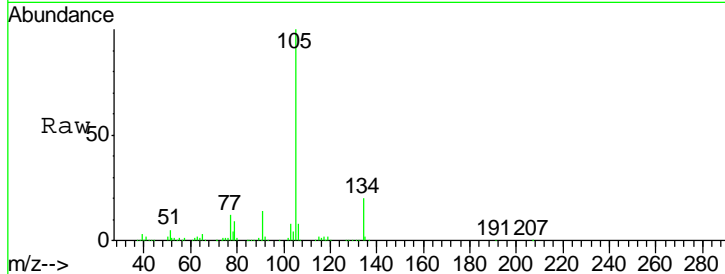
#85
 sec-Butylbenzene
 Concen: 10.843 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
105	156924		
134	20.1	10.3	30.8

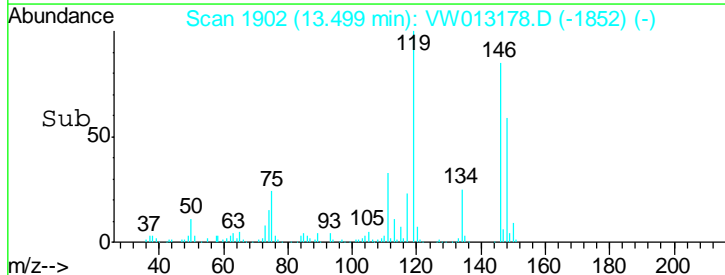
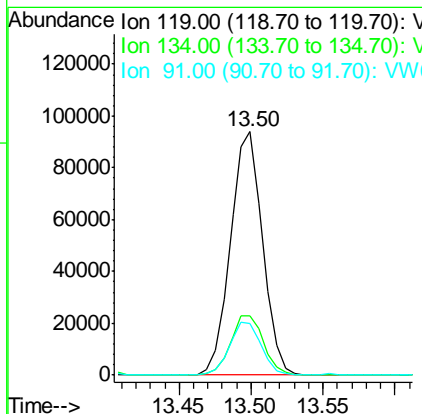
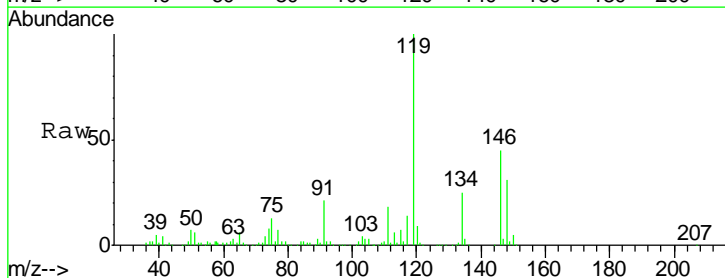
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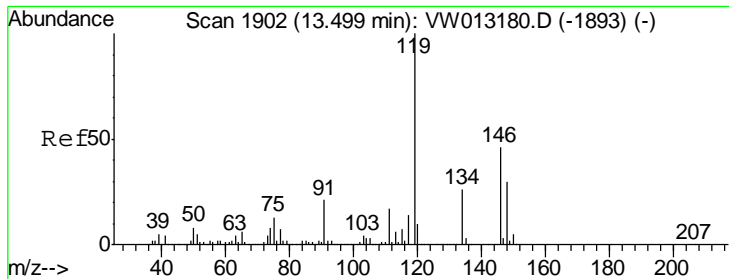
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#86
 p-Isopropyltoluene
 Concen: 10.939 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
119	145560		
134	25.5	13.3	39.8
91	21.7	10.8	32.4





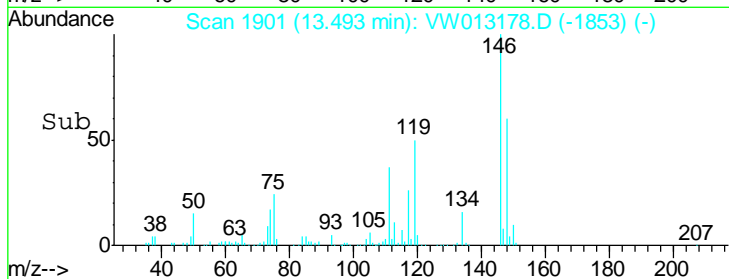
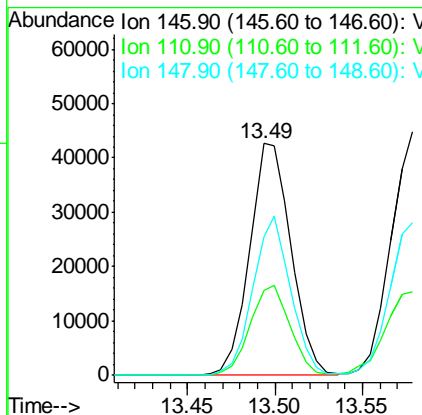
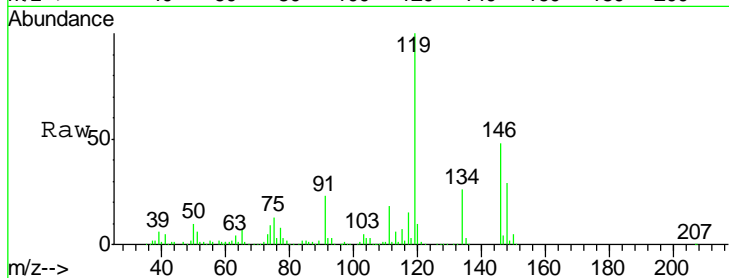
#87
 1,3-Dichlorobenzene
 Concen: 10.979 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
146	70517		
146	100		
111	37.3	18.9	56.9
148	62.7	31.9	95.5

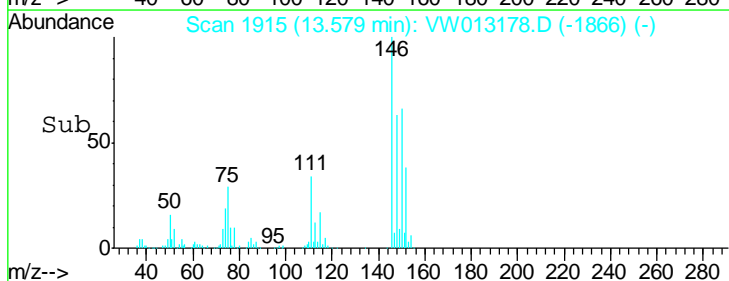
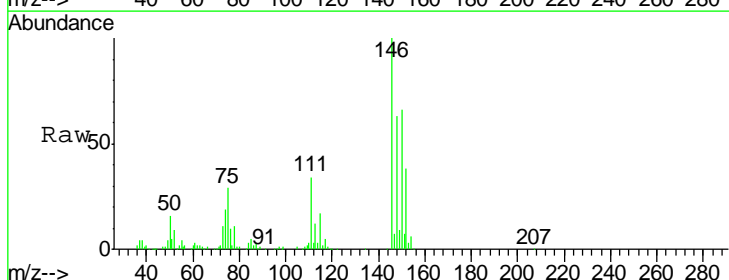
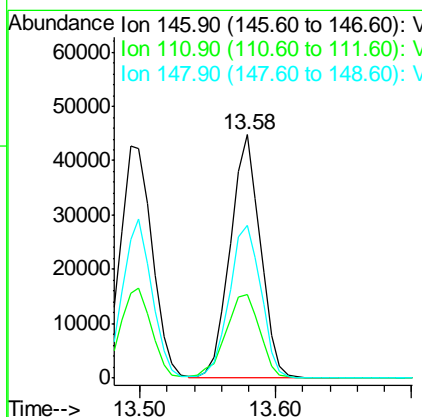
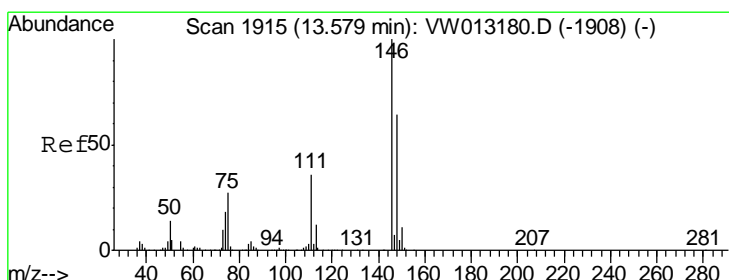
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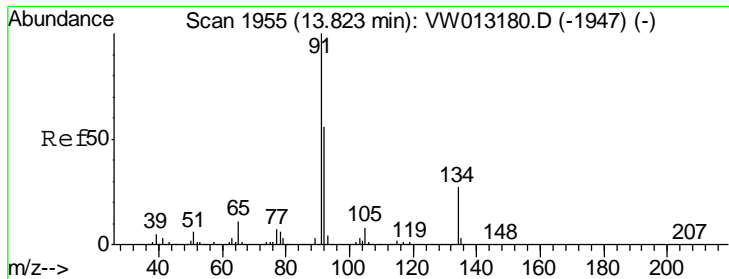
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#88
 1,4-Dichlorobenzene
 Concen: 10.938 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
146	68872		
146	100		
111	39.4	18.4	55.0
148	66.3	32.1	96.3





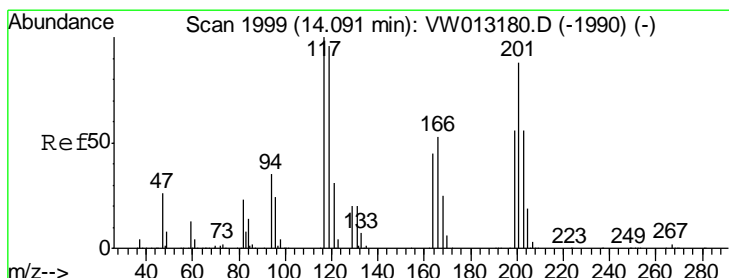
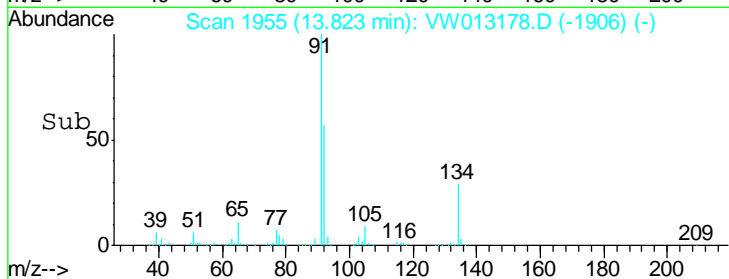
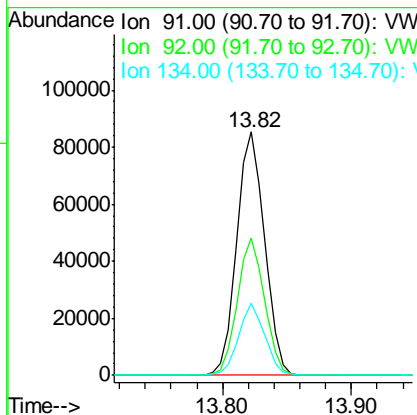
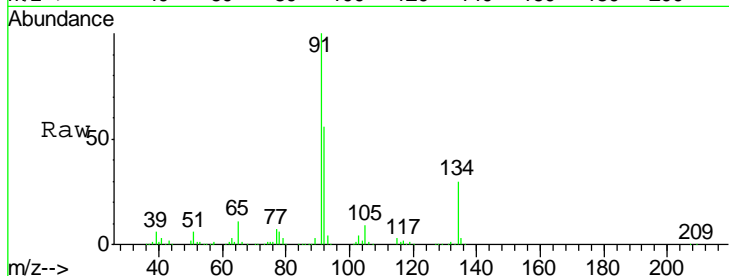
#89
 n-Butylbenzene
 Concen: 10.246 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	27.6	13.7	41.1

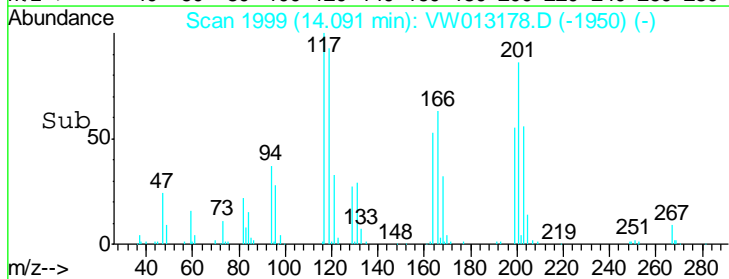
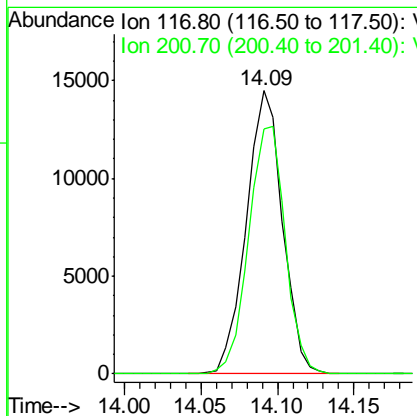
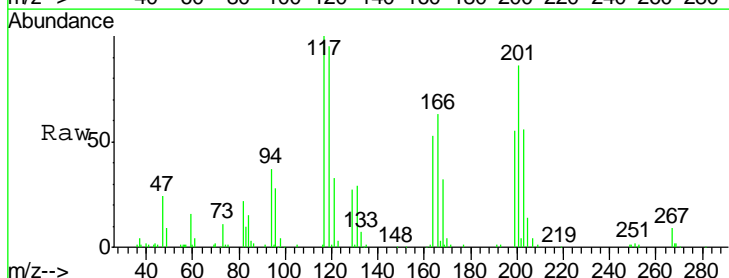
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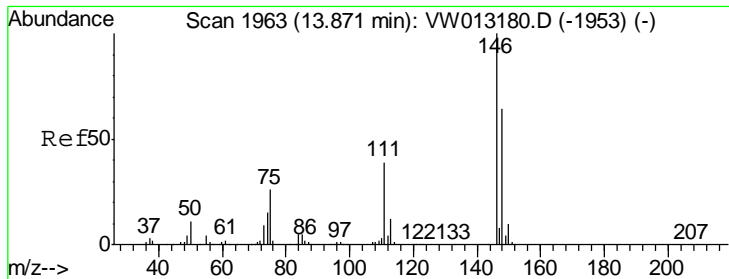
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#90
 Hexachloroethane
 Concen: 10.083 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
117	100		
201	88.3	44.5	133.5





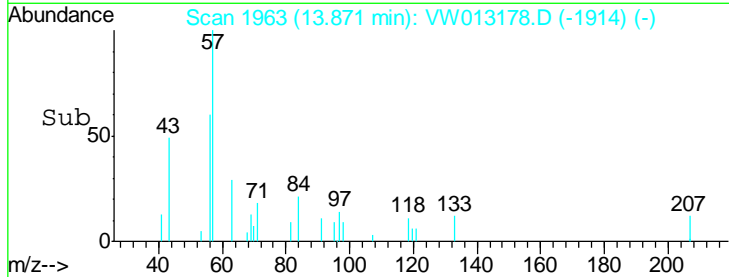
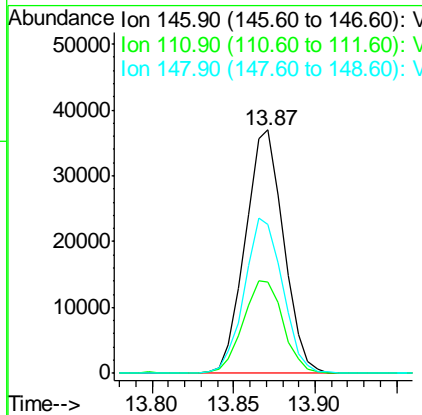
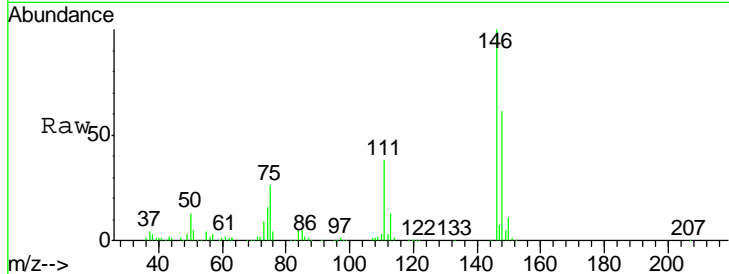
#91
 1,2-Dichlorobenzene
 Concen: 10.735 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
146	60476		
111	40.0	20.1	60.3
148	63.8	32.0	96.0

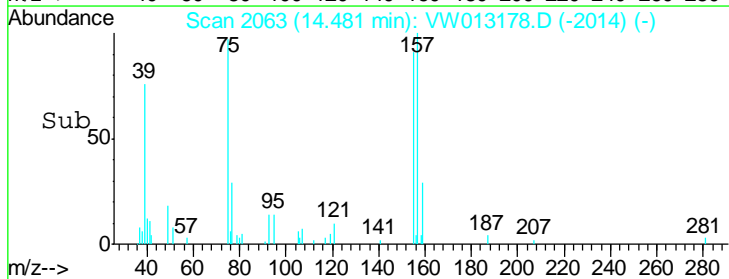
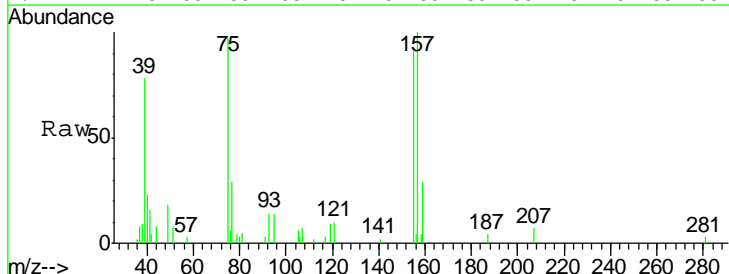
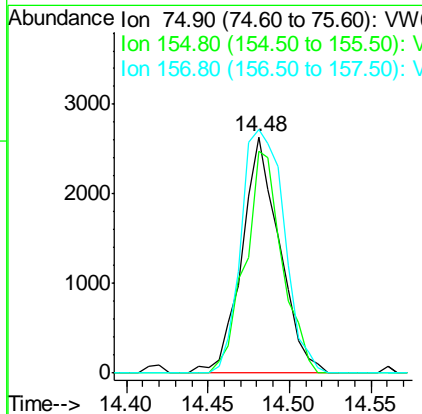
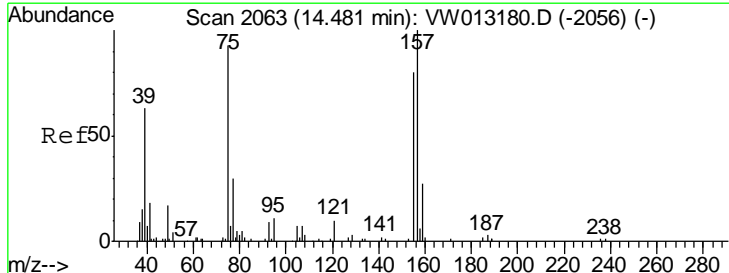
Manual Integrations
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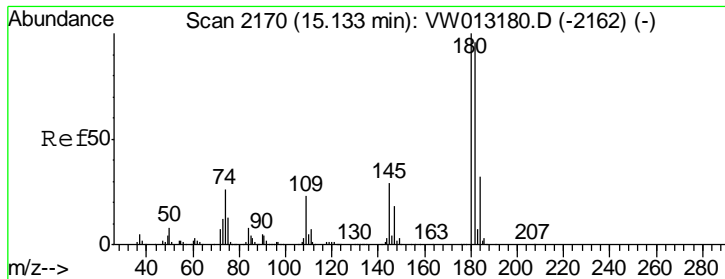
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.704 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
75	4236		
75	100		
155	92.3	46.1	138.3
157	117.7	60.4	181.2





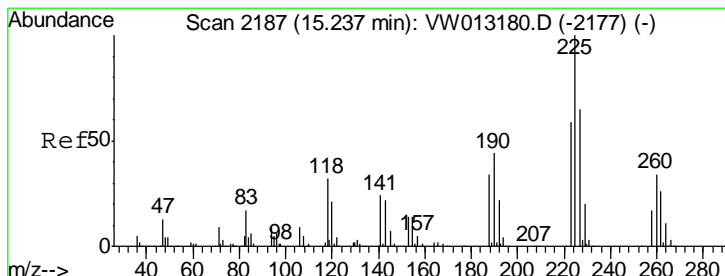
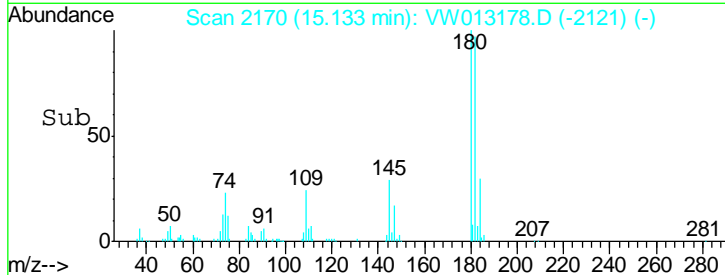
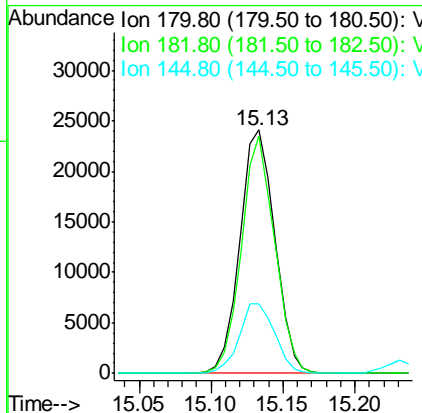
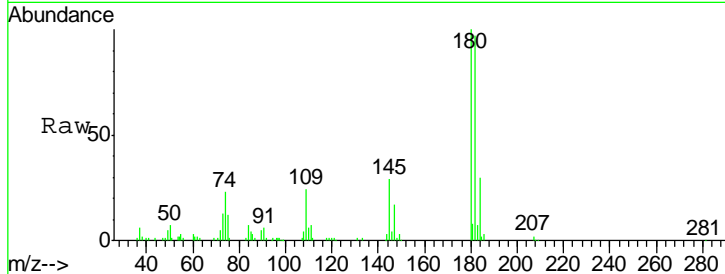
#93
 1,2,4-Trichlorobenzene
 Concen: 10.066 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 ClientSampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
180	40521		
180	100		
182	92.5	47.3	142.0
145	29.1	14.2	42.8

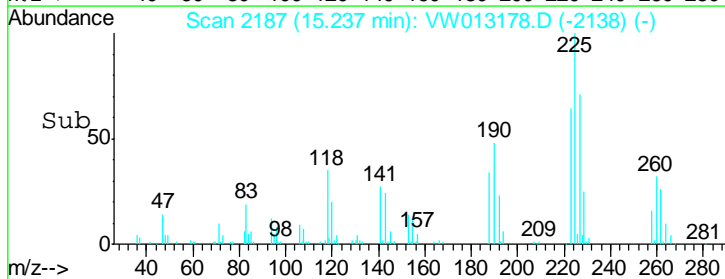
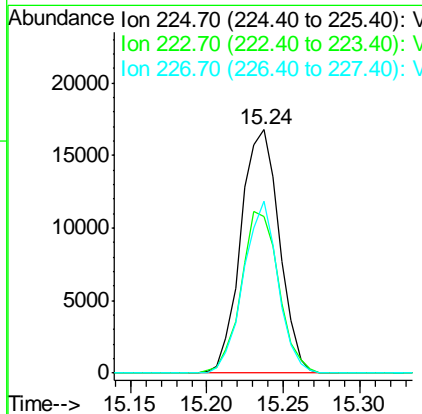
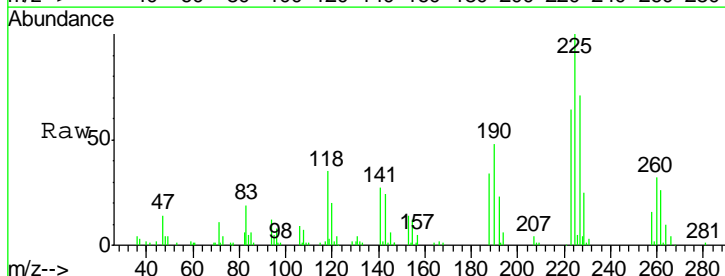
Manual Integrations
 APPROVED

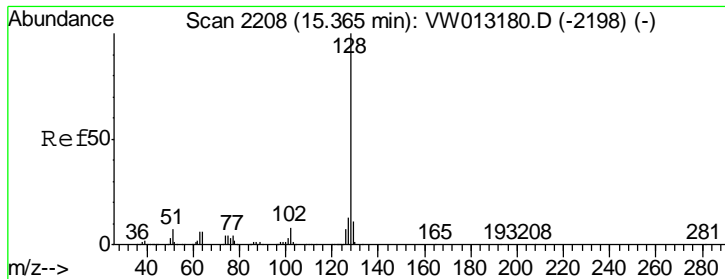
MMDadoda
 9/24/2019 5:28:42 AM



#94
 Hexachlorobutadiene
 Concen: 10.358 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
225	29370		
225	100		
223	65.0	30.6	91.8
227	63.3	31.9	95.9





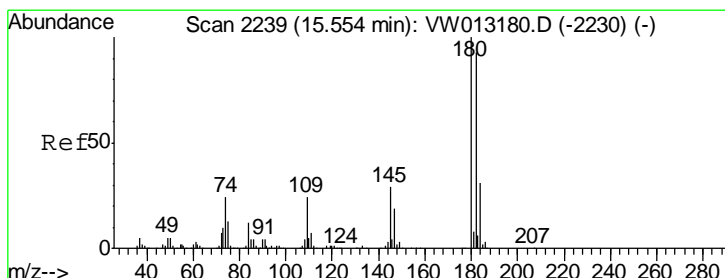
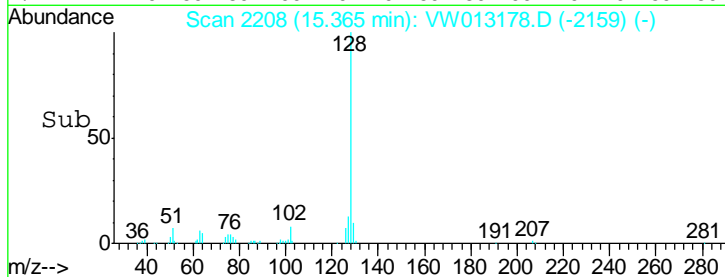
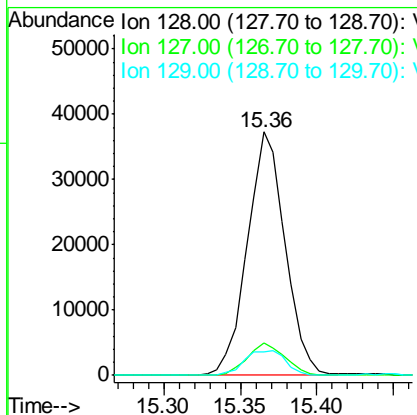
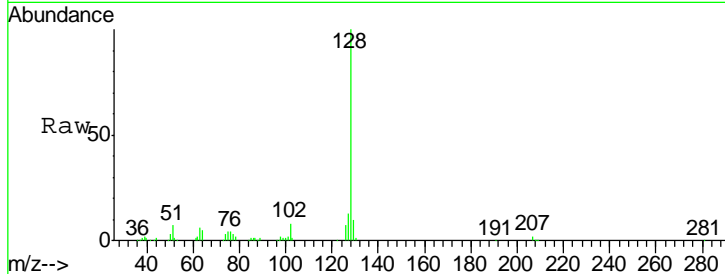
#95
 Naphthalene
 Concen: 9.581 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Instrument : MSVOA_W
 Client Sampled : VSTDIC010

Tgt Ion	Resp	Lower	Upper
128	63940		
127	13.5	10.6	15.8
129	11.1	8.7	13.1

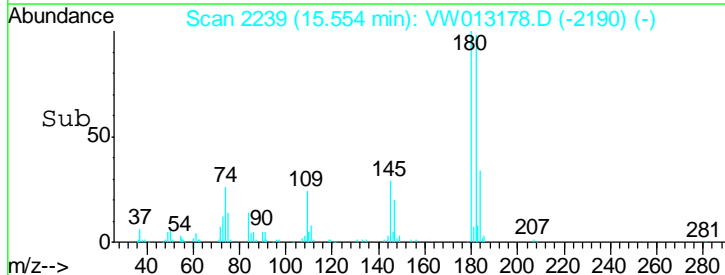
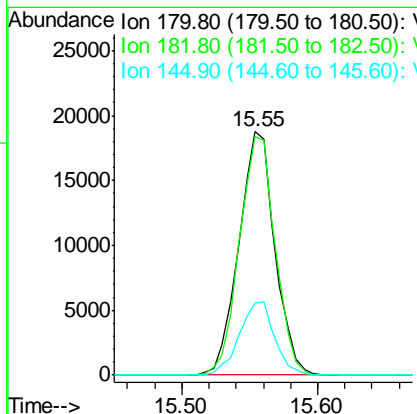
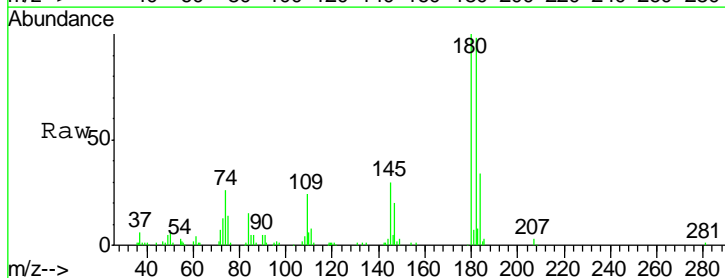
Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:42 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 9.737 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013178.D
 Acq: 20 Sep 2019 13:09

Tgt Ion	Resp	Lower	Upper
180	34535		
182	97.7	47.9	143.7
145	29.6	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:43 AM

Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	375940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	550978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	474695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	243609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56001	16.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.10%	
35) Dibromofluoromethane	7.88	113	55809	18.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.46%	
50) Toluene-d8	10.32	98	229613	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	
62) 4-Bromofluorobenzene	12.62	95	77531	18.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45001	26.445	ug/l	100
3) Chloromethane	2.21	50	54512	25.137	ug/l	100
4) Vinyl Chloride	2.36	62	70791	24.976	ug/l	98
5) Bromomethane	2.77	94	43592	24.789	ug/l	93
6) Chloroethane	2.92	64	40505	23.422	ug/l	92
7) Trichlorofluoromethane	3.25	101	38769	20.387	ug/l	87
8) Diethyl Ether	3.68	74	34183	22.492	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65597	22.321	ug/l	98
10) Methyl Iodide	4.27	142	101411	26.392	ug/l	100
11) Tert butyl alcohol	5.20	59	24307m	92.322	ug/l	
12) 1,1-Dichloroethene	4.03	96	68345	24.949	ug/l	97
13) Acrolein	3.90	56	17511	73.430	ug/l	89
14) Allyl chloride	4.67	41	106227	21.147	ug/l	99
15) Acrylonitrile	5.37	53	74636	99.750	ug/l	99
16) Acetone	4.13	43	61813	77.594	ug/l	97
17) Carbon Disulfide	4.38	76	193916	32.152	ug/l	100
18) Methyl Acetate	4.67	43	39082	19.866	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	103616	20.169	ug/l	95
20) Methylene Chloride	4.91	84	73153	21.676	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	72701	24.703	ug/l	99
22) Diisopropyl ether	6.31	45	205183	19.970	ug/l	96
23) Vinyl Acetate	6.25	43	608354	99.575	ug/l	99
24) 1,1-Dichloroethane	6.21	63	123845	20.693	ug/l	99
25) 2-Butanone	7.17	43	99744	92.259	ug/l	95
26) 2,2-Dichloropropane	7.16	77	80362	19.237	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	76575	22.232	ug/l	98
28) Bromochloromethane	7.51	49	42122	16.801	ug/l	98
29) Tetrahydrofuran	7.53	42	63013	100.931	ug/l	98
30) Chloroform	7.67	83	120711	20.085	ug/l	98
31) Cyclohexane	7.95	56	128317	24.144	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	98770	19.924	ug/l	99
36) 1,1-Dichloropropene	8.08	75	102716	22.610	ug/l	98
37) Ethyl Acetate	7.25	43	43158	18.673	ug/l	96
38) Carbon Tetrachloride	8.07	117	91219	20.032	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Manual Integrations
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MMDadoda
 9/24/2019 5:28:43 AM

Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	132947	25.672	ug/l	97
40) Benzene	8.32	78	287576	22.674	ug/l	99
41) Methacrylonitrile	7.48	41	25949	17.230	ug/l	98
42) 1,2-Dichloroethane	8.40	62	75503	18.467	ug/l	99
43) Isopropyl Acetate	8.42	43	81944	18.524	ug/l	99
44) Trichloroethene	9.09	130	79522	22.737	ug/l	100
45) 1,2-Dichloropropane	9.37	63	68682	20.761	ug/l	100
46) Dibromomethane	9.46	93	33516	21.095	ug/l	97
47) Bromodichloromethane	9.64	83	83720	19.112	ug/l	99
48) Methyl methacrylate	9.44	41	37803	18.168	ug/l	97
49) 1,4-Dioxane	9.46	88	9850	387.017	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	206652	90.863	ug/l	99
52) Toluene	10.38	92	182880	22.670	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87347	19.719	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	104987	20.528	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50595	20.975	ug/l	98
56) Ethyl methacrylate	10.65	69	66879	20.721	ug/l	99
57) 1,3-Dichloropropane	10.93	76	87381	20.476	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	147377	86.311	ug/l	100
59) 2-Hexanone	10.97	43	144238	91.561	ug/l	100
60) Dibromochloromethane	11.13	129	55842	19.382	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47935	21.715	ug/l	98
64) Tetrachloroethene	10.86	164	67677	22.941	ug/l	97
65) Chlorobenzene	11.66	112	191155	22.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	65363	20.072	ug/l	99
67) Ethyl Benzene	11.73	91	345536	21.656	ug/l	97
68) m/p-Xylenes	11.84	106	264729	45.023	ug/l	98
69) o-Xylene	12.16	106	122053	22.204	ug/l	97
70) Styrene	12.18	104	211379	21.700	ug/l	99
71) Bromoform	12.35	173	33576	19.735	ug/l #	99
73) Isopropylbenzene	12.46	105	342371	20.870	ug/l	99
74) N-amyl acetate	12.27	43	74826	18.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	56005	19.751	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36160m	17.015	ug/l	
77) Bromobenzene	12.74	156	79890	20.904	ug/l	97
78) n-propylbenzene	12.80	91	401866	20.839	ug/l	100
79) 2-Chlorotoluene	12.89	91	225685	20.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	287238	20.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18109	19.282	ug/l	99
82) 4-Chlorotoluene	12.99	91	239977	20.697	ug/l	99
83) tert-Butylbenzene	13.21	119	255592	20.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	291721	21.256	ug/l	99
85) sec-Butylbenzene	13.38	105	349690	20.681	ug/l	100
86) p-Isopropyltoluene	13.50	119	325198	20.916	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	157148	20.941	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	154029	20.937	ug/l	98
89) n-Butylbenzene	13.82	91	297577	20.403	ug/l	99
90) Hexachloroethane	14.09	117	53019	19.181	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	136372	20.719	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8779	17.212	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDICC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICC020

Manual Integrations
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MMDadoda
 9/24/2019 5:28:43 AM

Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	98504	20.943	ug/l	99
94) Hexachlorobutadiene	15.24	225	68253	20.602	ug/l	99
95) Naphthalene	15.36	128	159217	20.419	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	83920	20.251	ug/l	99

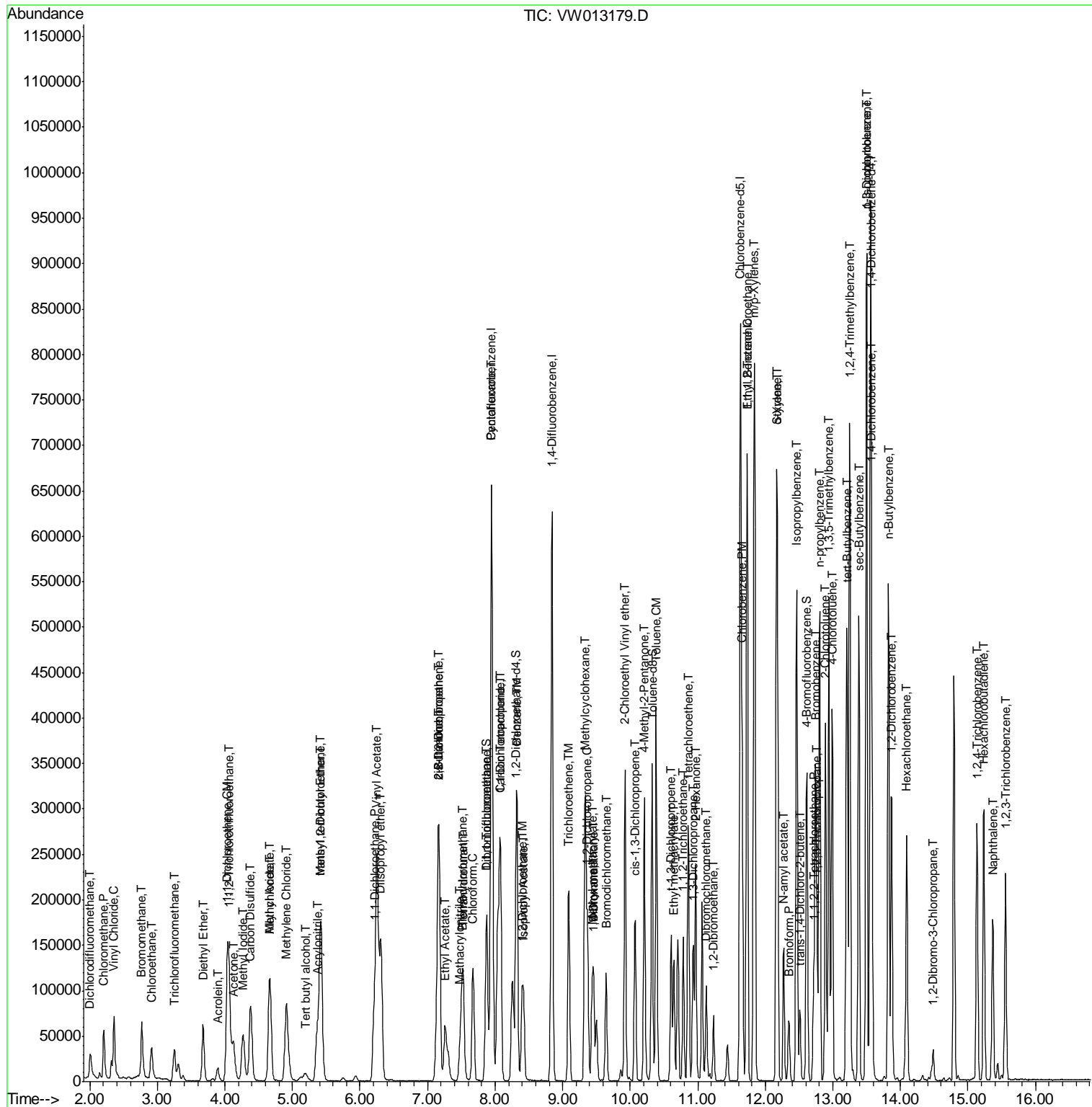
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

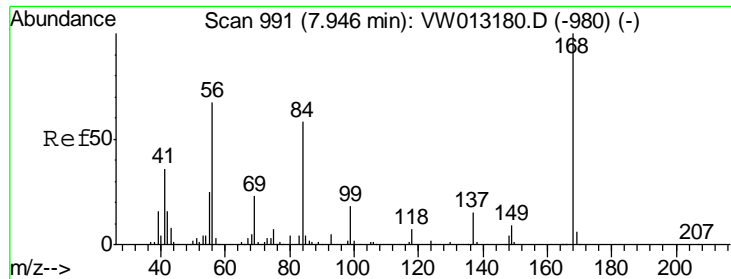
Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Manual Integrations APPROVED
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 9/24/2019 5:28:43 AM

Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration



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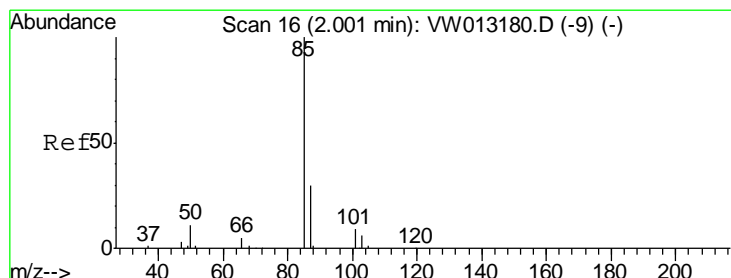
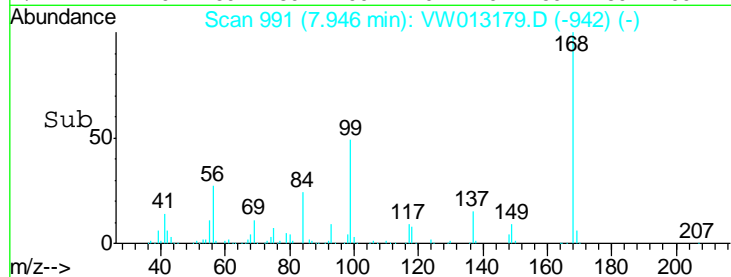
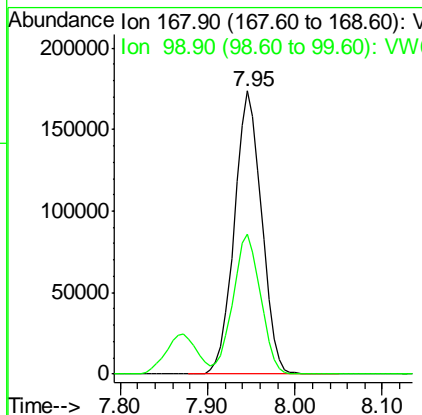
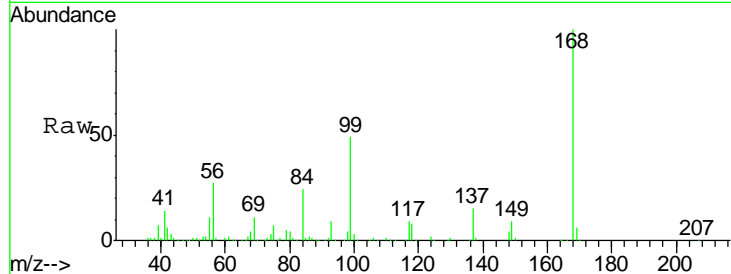
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.5	40.2	60.4

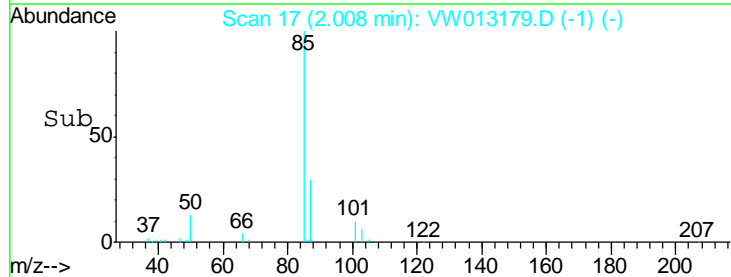
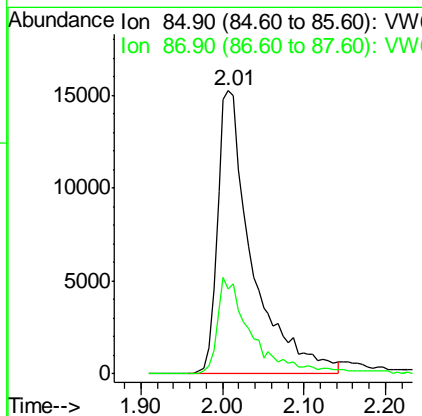
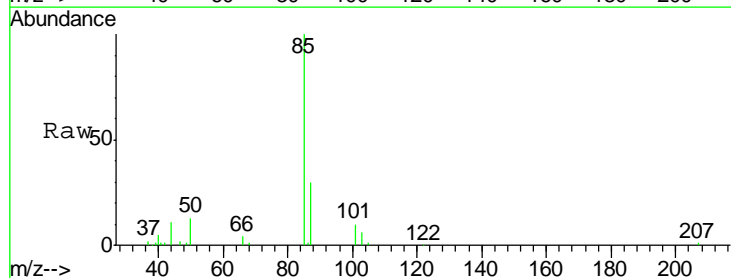
Manual Integrations
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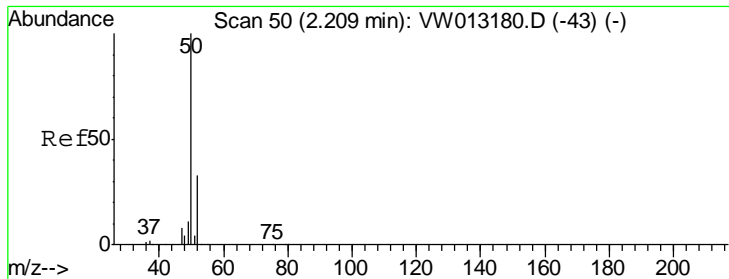
MMDadoda
 9/24/2019 5:28:43 AM



#2
 Dichlorodifluoromethane
 Concen: 26.445 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.2	15.1	45.3



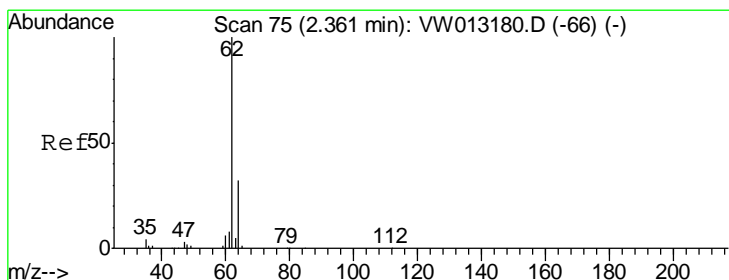
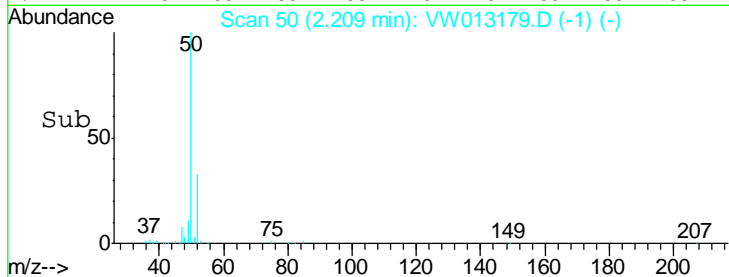
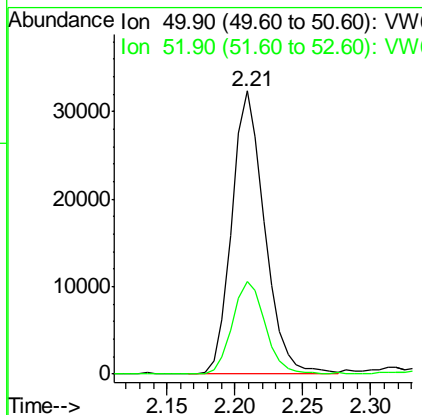
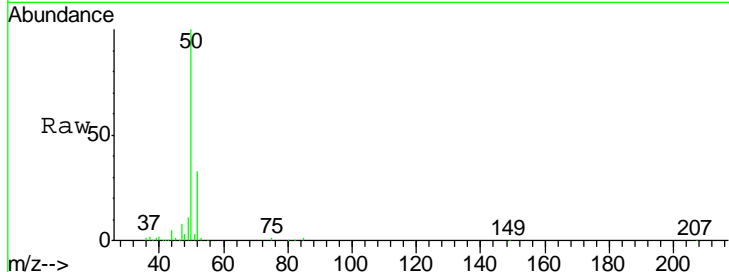


#3
 Chloromethane
 Concen: 25.137 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.6	26.1	39.1

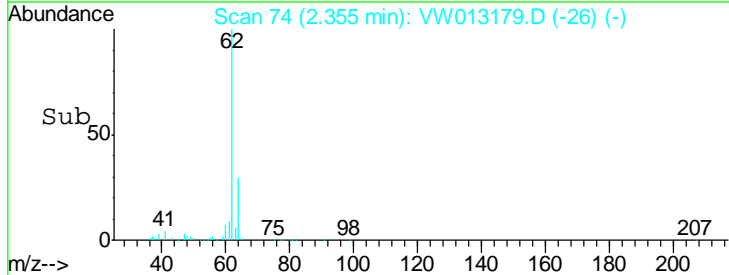
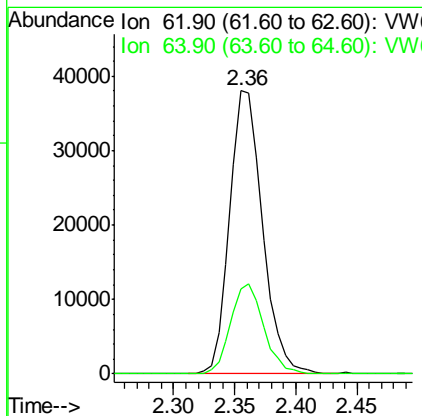
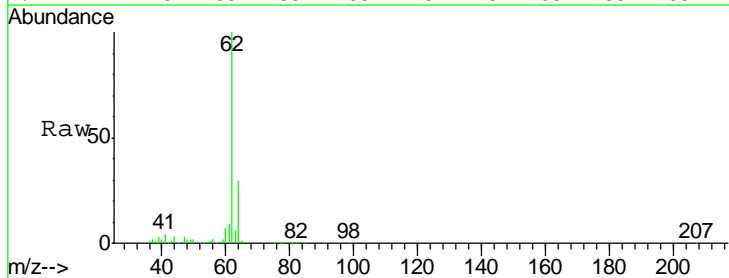
Instrument : MSVOA_W
 Client Sampled : VSTDIC020

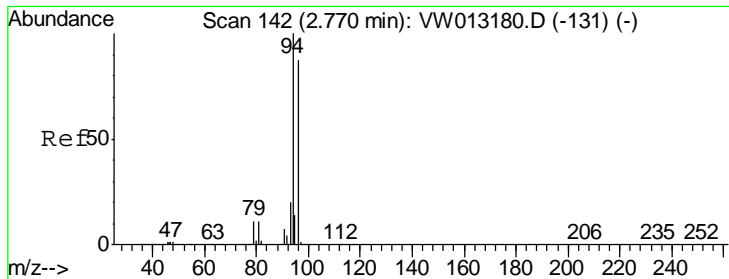
Manual Integrations APPROVED
 MMDadoda
 9/24/2019 5:28:43 AM



#4
 Vinyl Chloride
 Concen: 24.976 ug/l
 RT: 2.36 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
62	100		
64	30.2	25.3	37.9



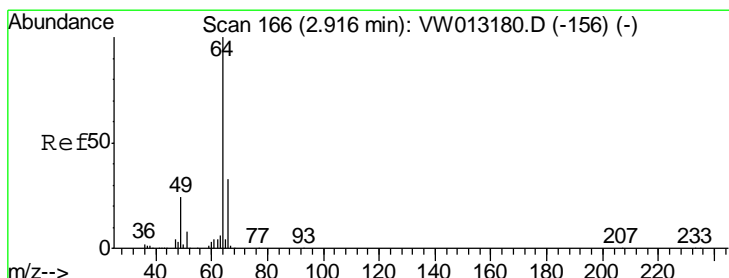
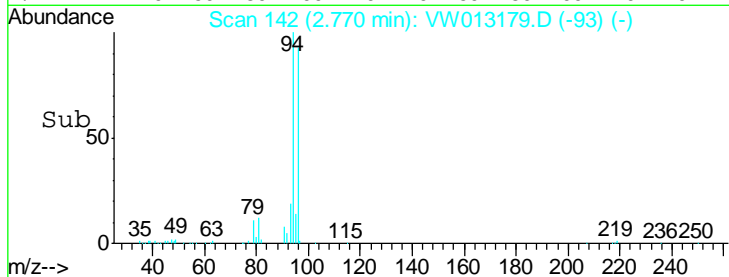
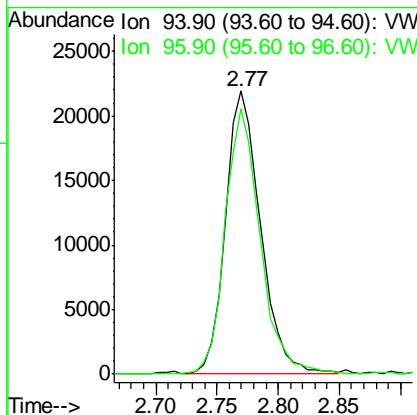
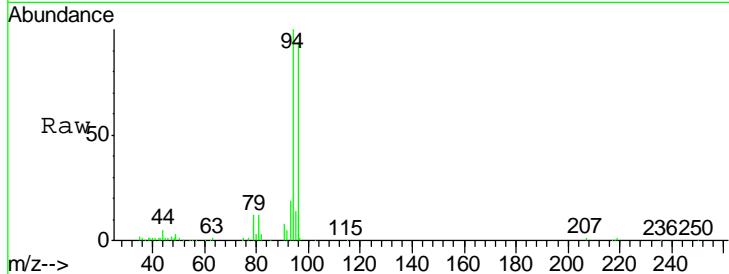


#5
 Bromomethane
 Concen: 24.789 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.2	69.7	104.5

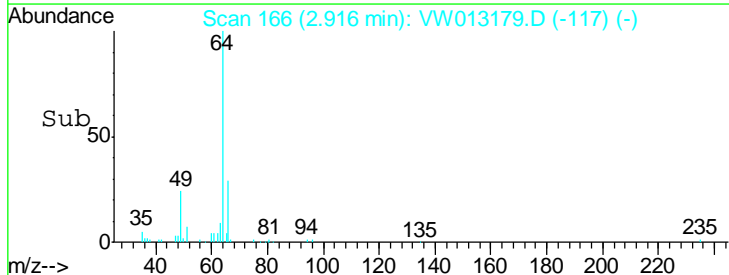
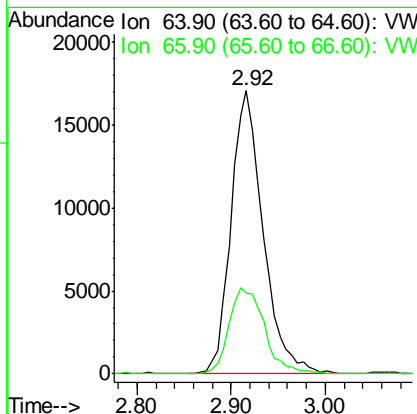
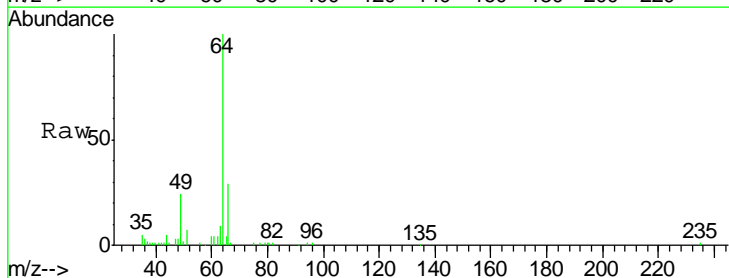
Instrument : MSVOA_W
 Client Sampled : VSTDIC020

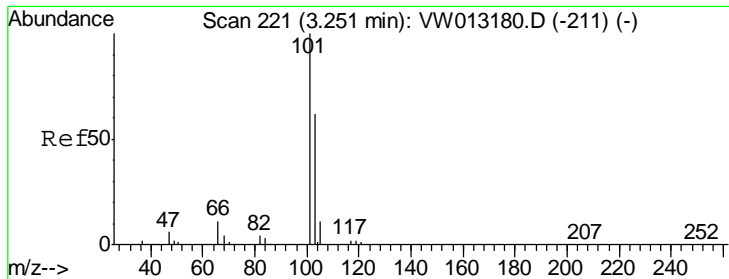
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 MMDadoda
 9/24/2019 5:28:43 AM



#6
 Chloroethane
 Concen: 23.422 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
64	100		
66	28.6	26.6	39.8





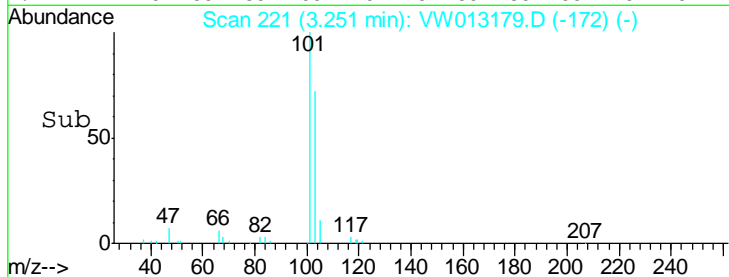
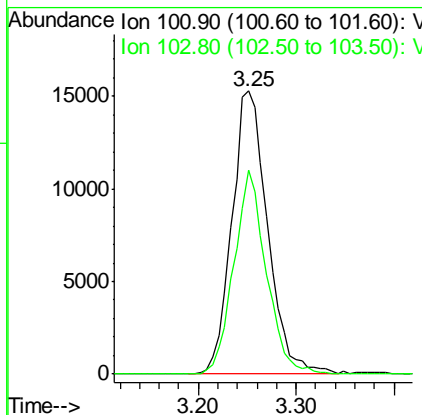
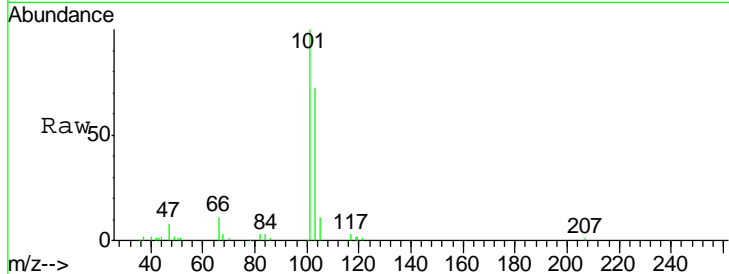
#7
 Trichlorofluoromethane
 Concen: 20.387 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	38769		
103	72.3	49.7	74.5

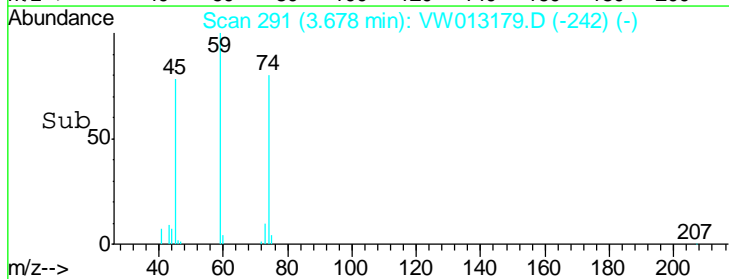
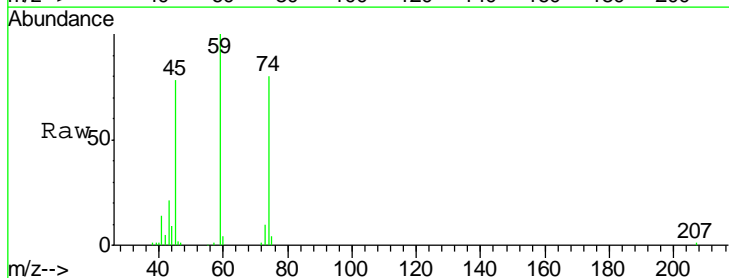
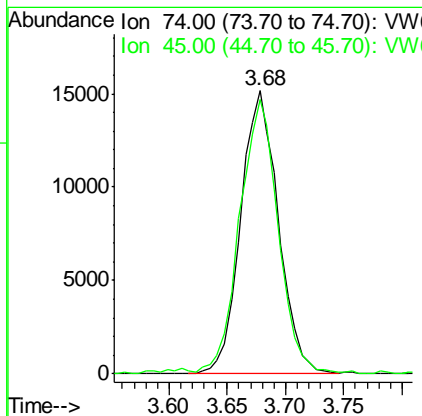
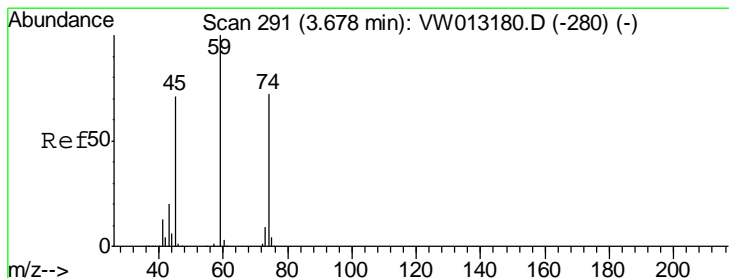
Manual Integrations
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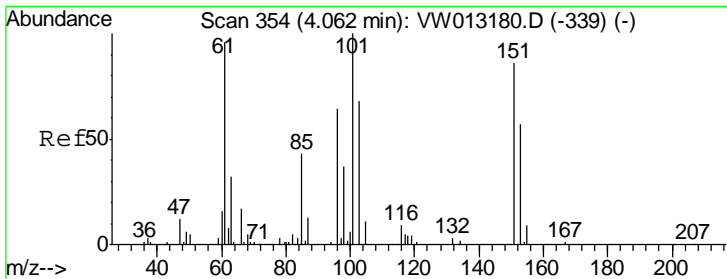
MMDadoda
 9/24/2019 5:28:43 AM



#8
 Diethyl Ether
 Concen: 22.492 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

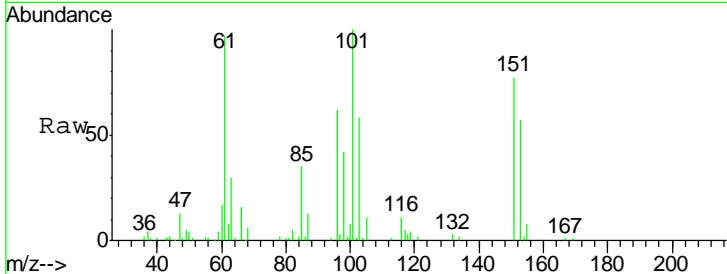
Tgt Ion	Resp	Lower	Upper
74	34183		
45	99.5	49.5	148.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.321 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

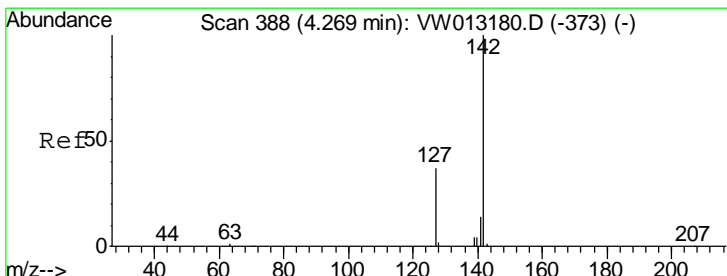
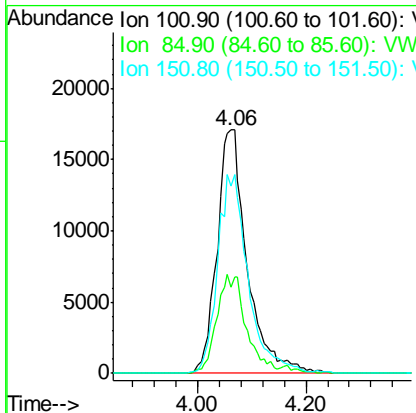
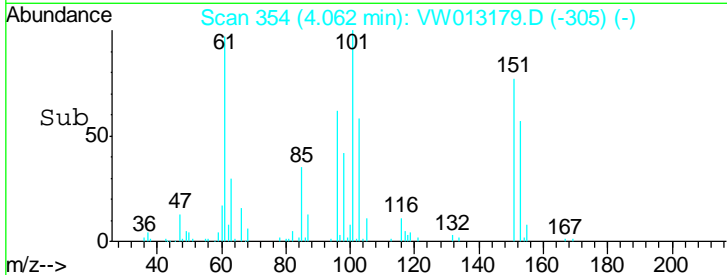


Tot Ion:101 Resp: 65597

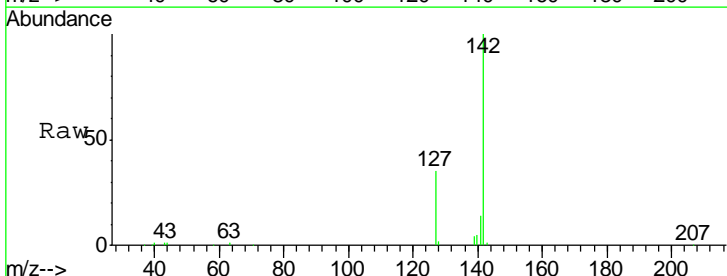
Ion	Ratio	Lower	Upper
101	100		
85	39.4	33.4	50.0
151	83.1	66.9	100.3

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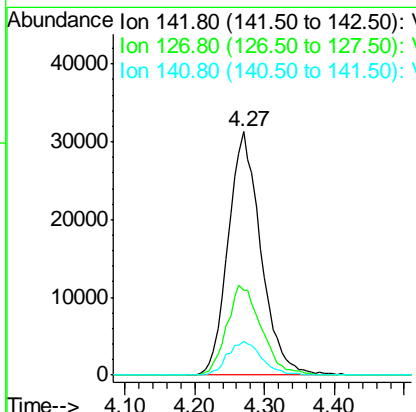
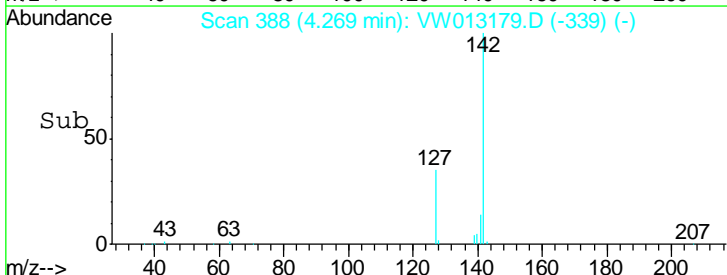


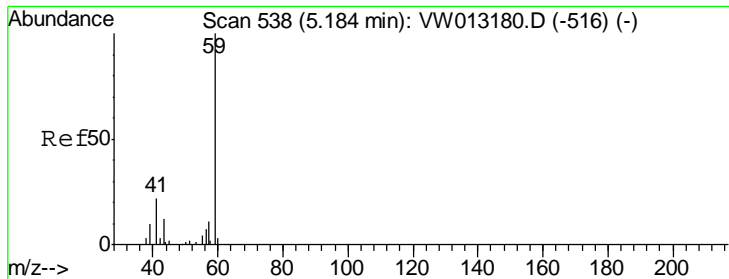
#10
 Methyl Iodide
 Concen: 26.392 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35



Tgt Ion:142 Resp: 101411

Ion	Ratio	Lower	Upper
142	100		
127	38.9	30.9	46.3
141	14.6	11.7	17.5





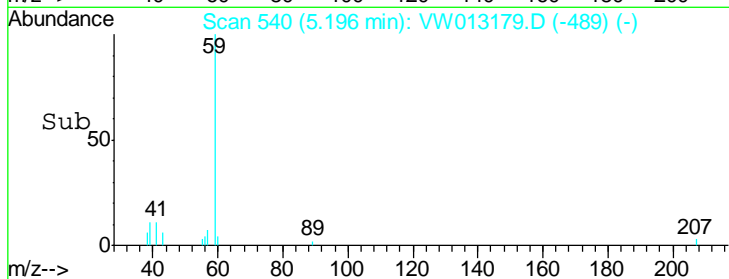
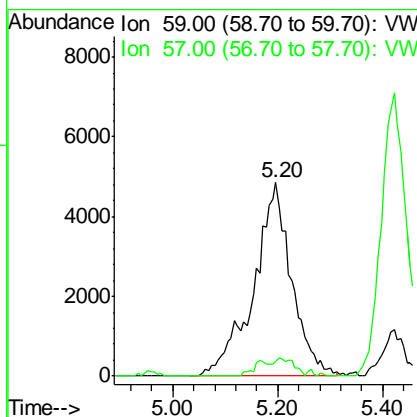
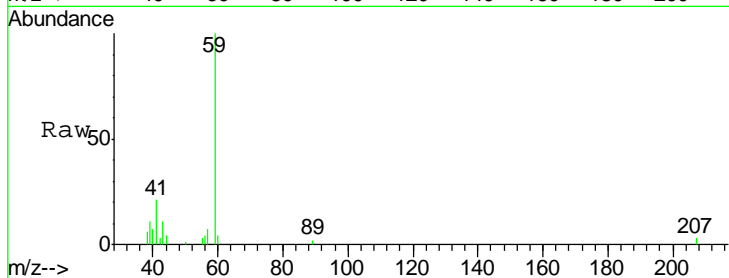
#11
 Tert butyl alcohol
 Concen: 92.322 ug/l m
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
59	24307		
57	4.5	8.2	12.2#

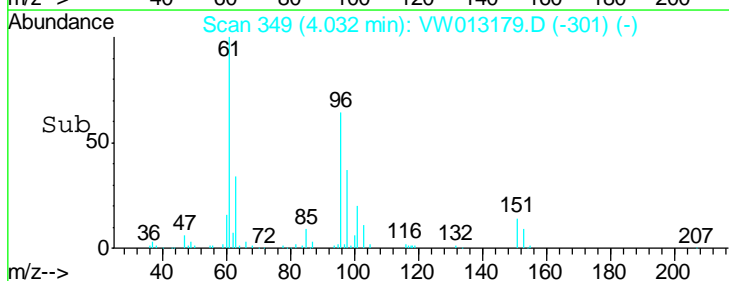
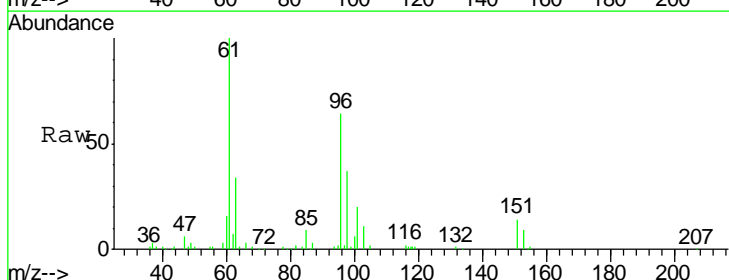
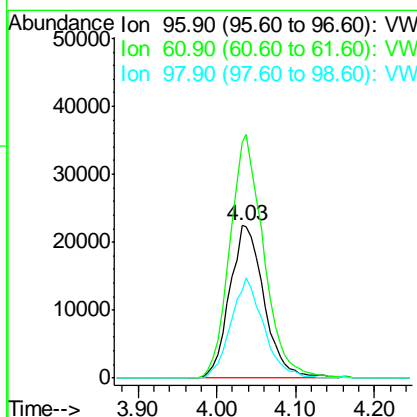
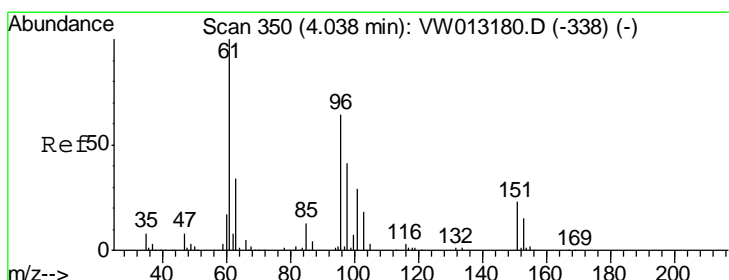
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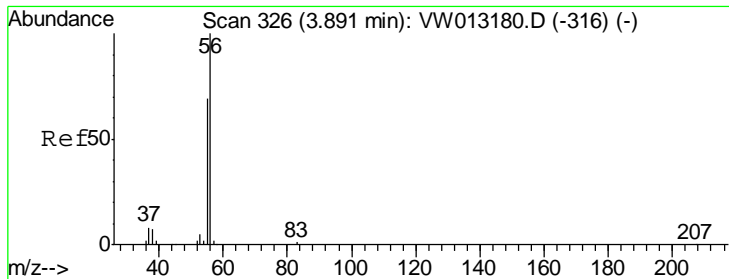
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 9/24/2019 5:28:43 AM



#12
 1,1-Dichloroethene
 Concen: 24.949 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
96	68345		
61	155.1	125.1	187.7
98	57.4	50.8	76.2





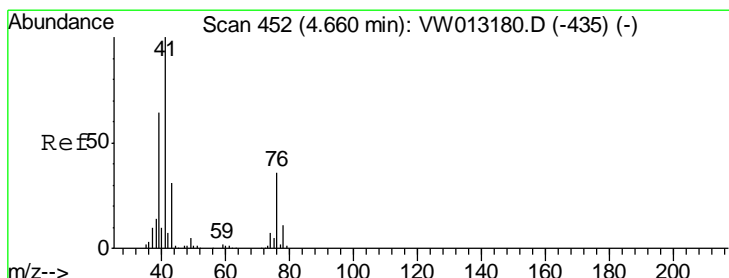
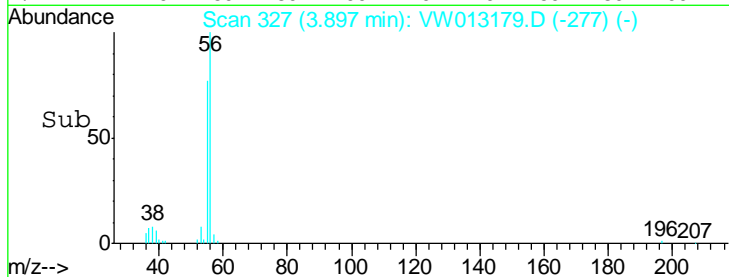
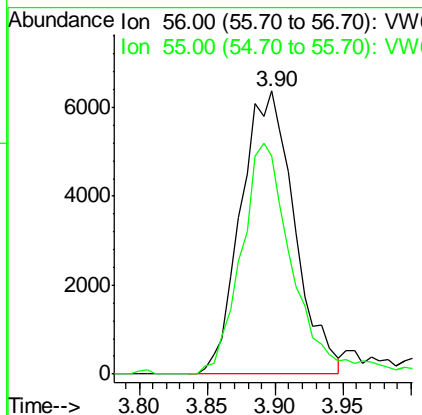
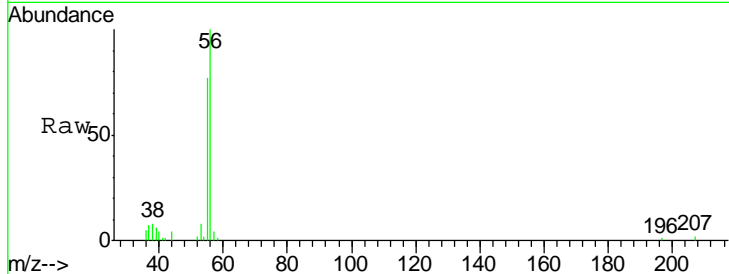
#13
 Acrolein
 Concen: 73.430 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	17511		
56	100		
55	78.2	55.4	83.0

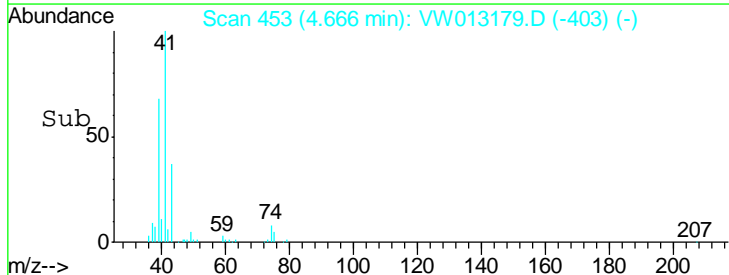
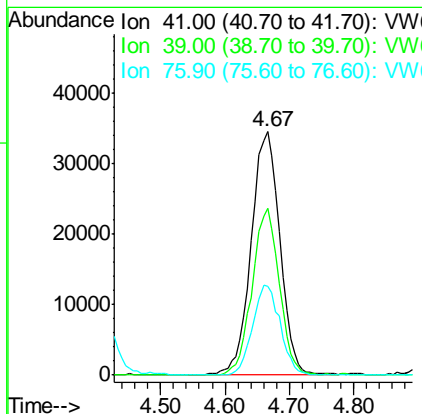
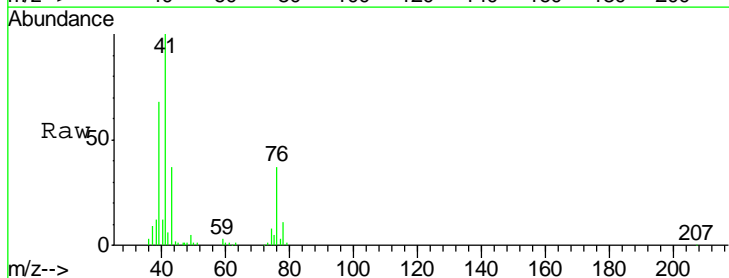
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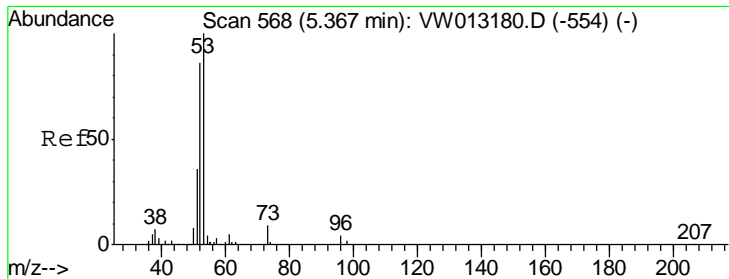
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 9/24/2019 5:28:43 AM



#14
 Allyl chloride
 Concen: 21.147 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
41	106227		
41	100		
39	64.5	51.0	76.4
76	35.1	28.4	42.6





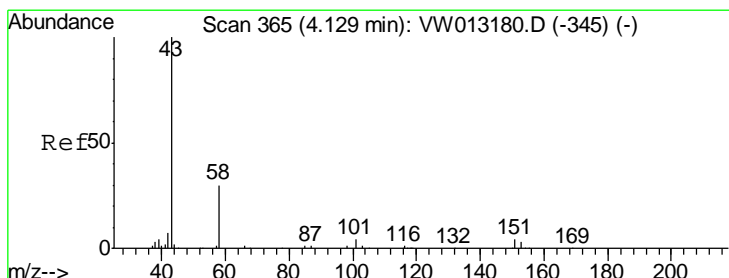
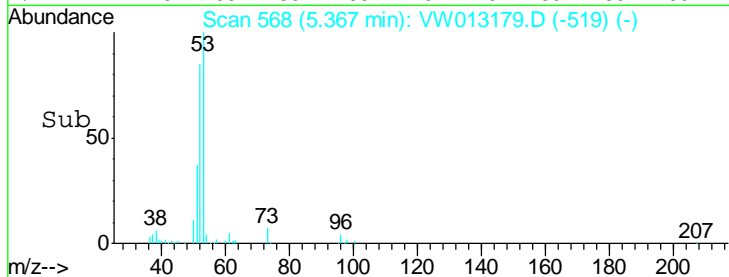
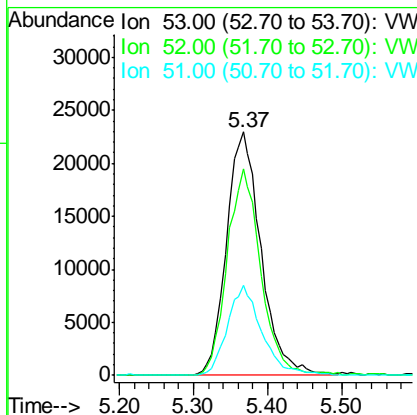
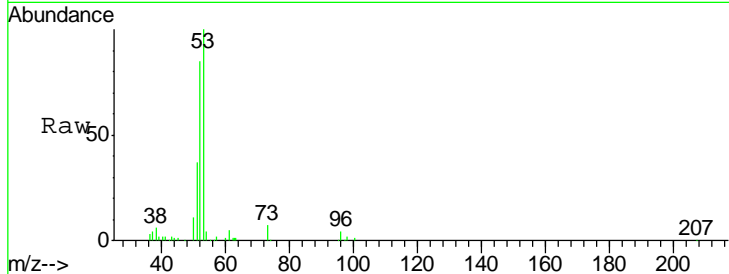
#15
 Acrylonitrile
 Concen: 99.750 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.8	65.3	97.9
51	36.7	29.0	43.4

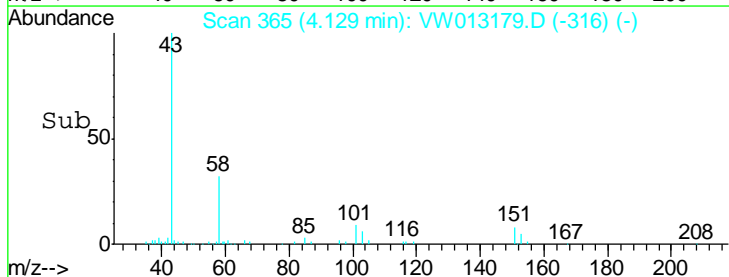
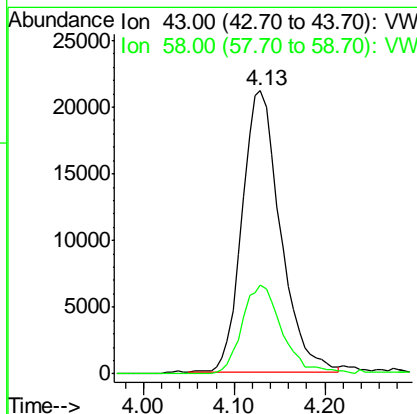
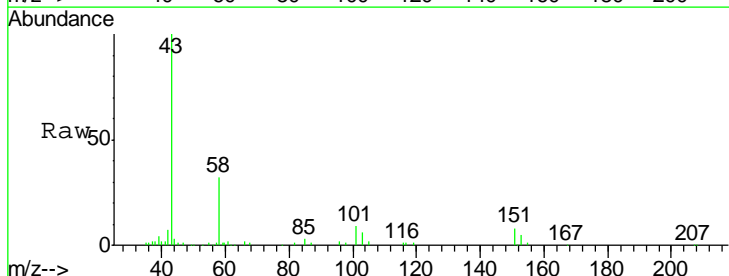
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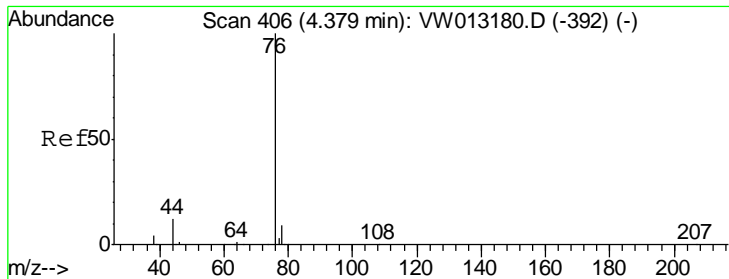
MMDadoda
 9/24/2019 5:28:43 AM



#16
 Acetone
 Concen: 77.594 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.8	24.1	36.1





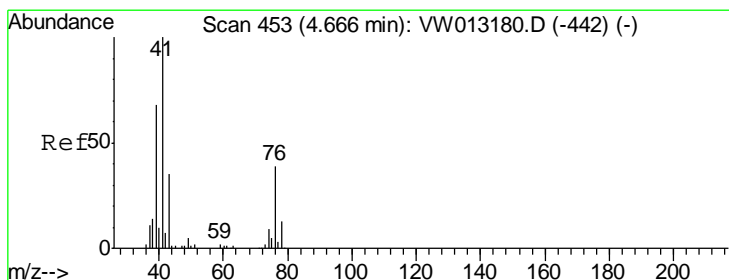
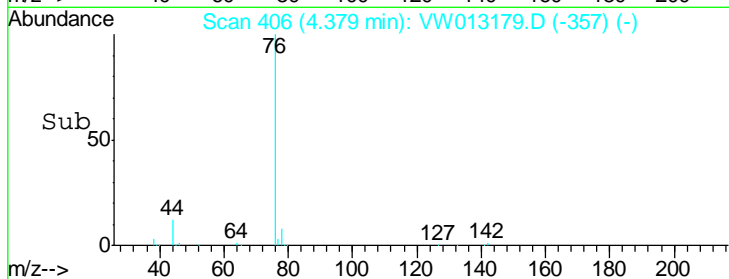
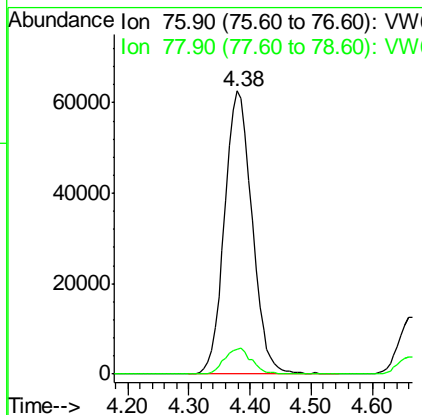
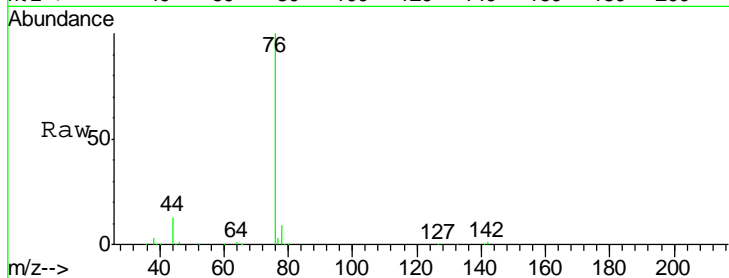
#17
 Carbon Disulfide
 Concen: 32.152 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	193916		
76	100		
78	8.6	7.0	10.4

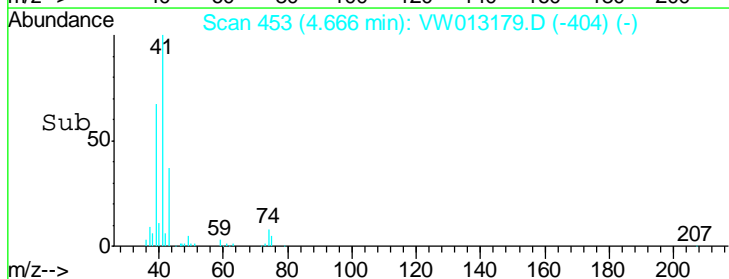
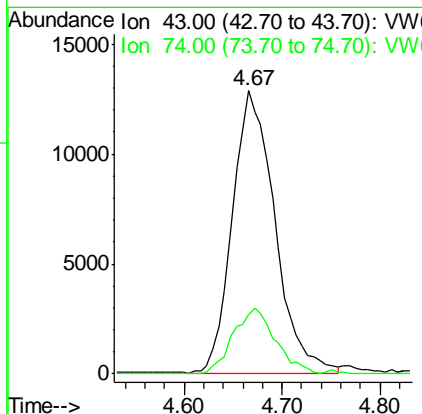
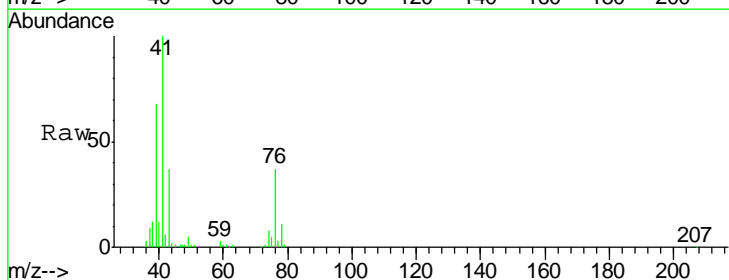
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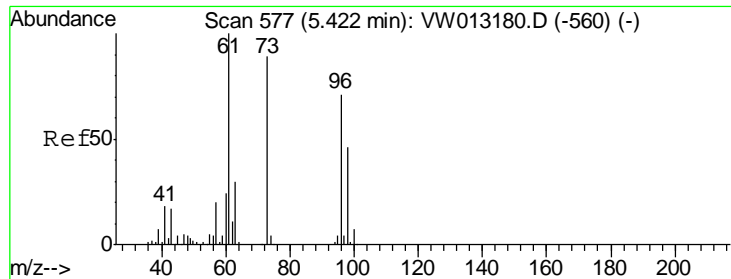
MMDadoda
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#18
 Methyl Acetate
 Concen: 19.866 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
43	39082		
43	100		
74	23.1	19.3	28.9





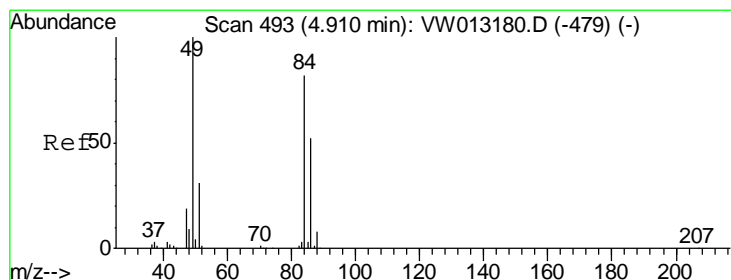
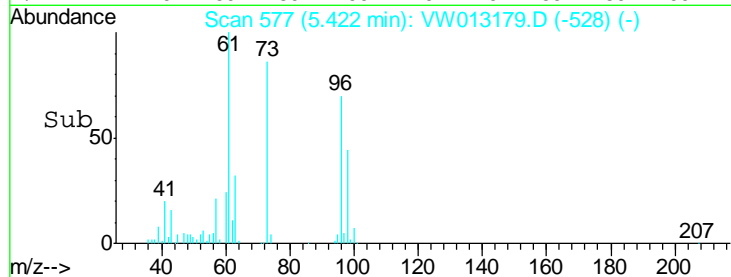
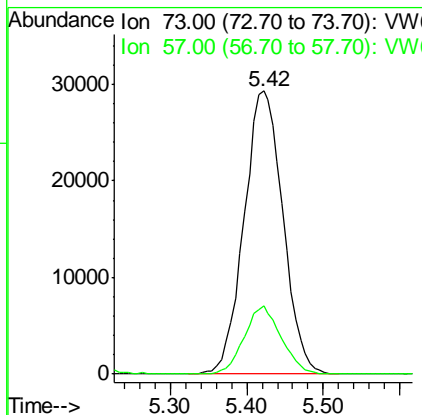
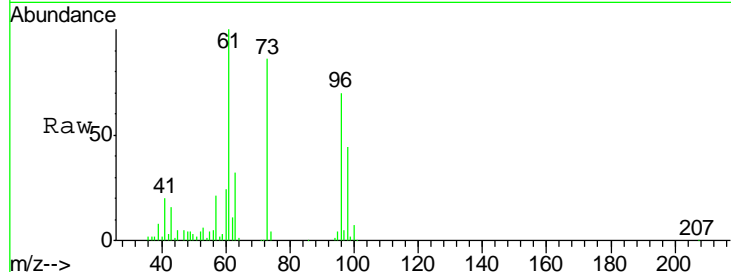
#19
Methyl tert-butyl Ether
Concen: 20.169 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
73	103616		
73	100		
57	24.2	17.6	26.4

Instrument : MSVOA_W
Client Sampled : VSTDIC020

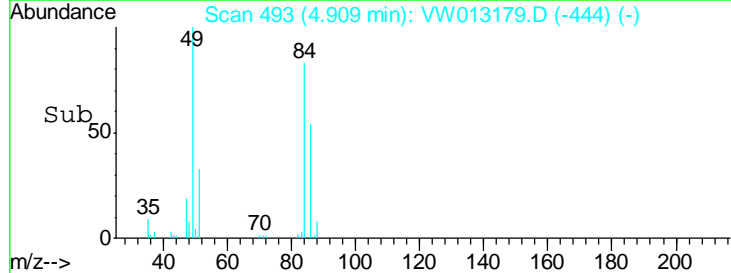
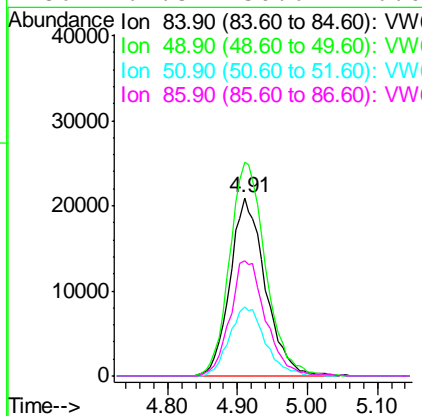
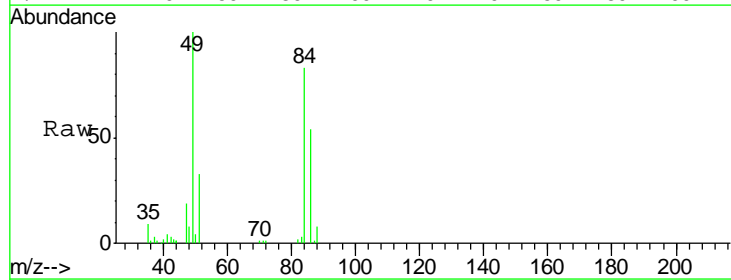
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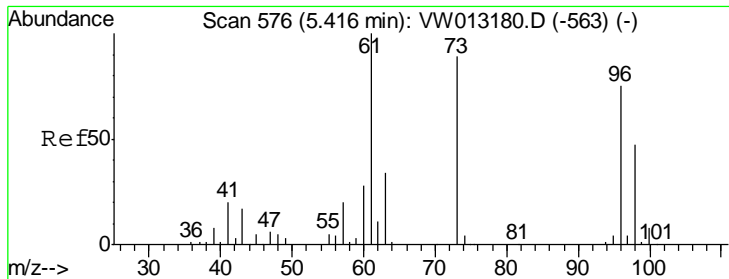
MMDadoda
9/24/2019 5:28:43 AM



#20
Methylene Chloride
Concen: 21.676 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
84	73153		
84	100		
49	119.8	97.6	146.4
51	39.0	30.2	45.2
86	64.5	50.6	76.0





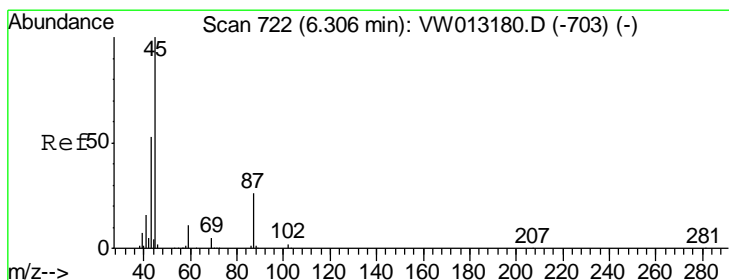
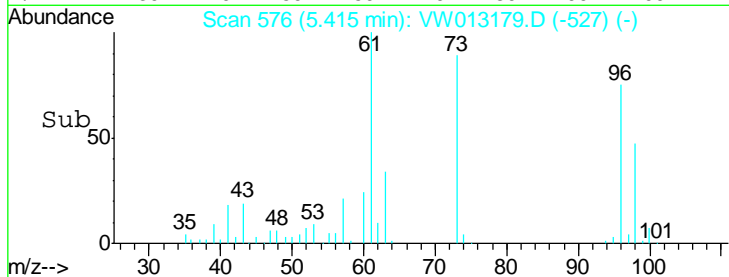
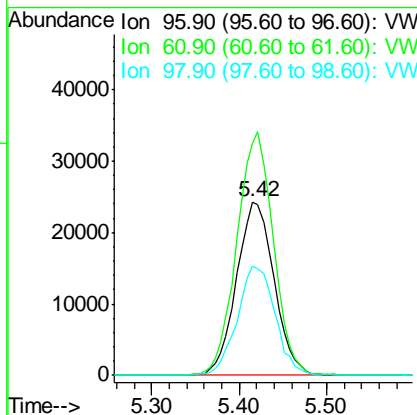
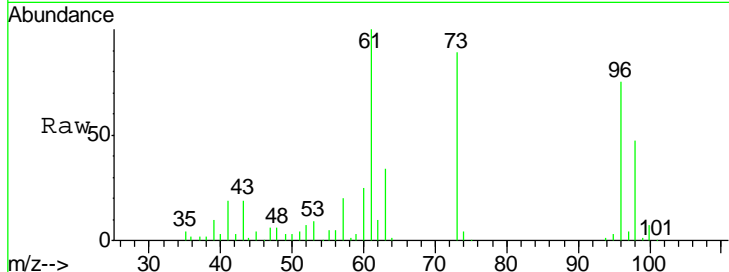
#21
 trans-1,2-Dichloroethene
 Concen: 24.703 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	72701		
96	100		
61	134.1	106.6	159.8
98	63.0	49.8	74.8

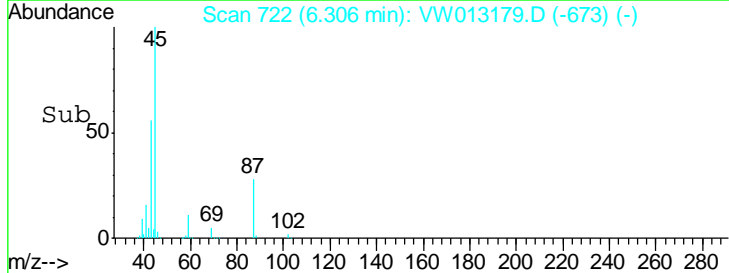
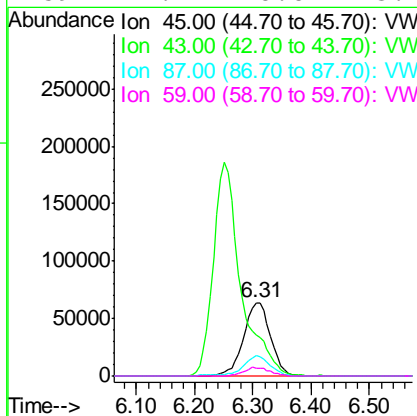
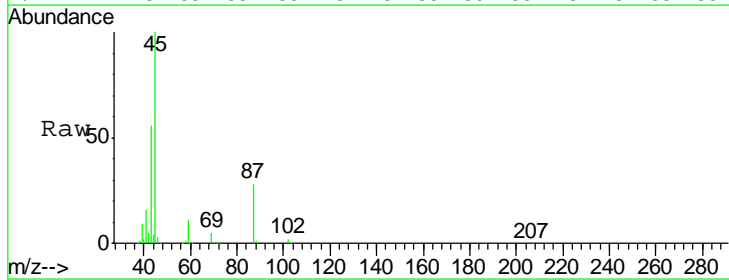
Manual Integrations
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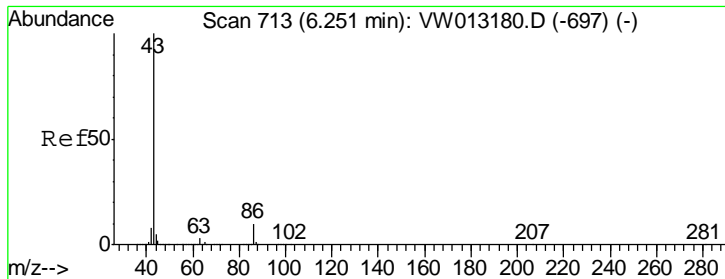
MMDadoda
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#22
 Diisopropyl ether
 Concen: 19.970 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
45	205183		
45	100		
43	55.6	42.4	63.6
87	27.9	20.4	30.6
59	11.4	8.8	13.2





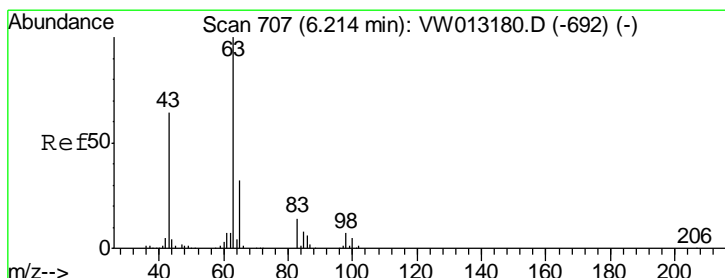
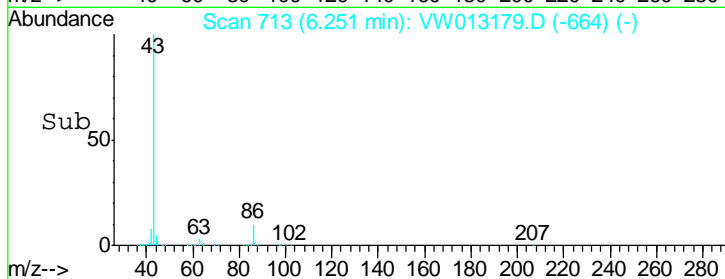
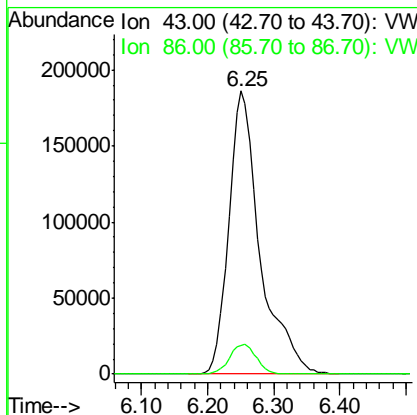
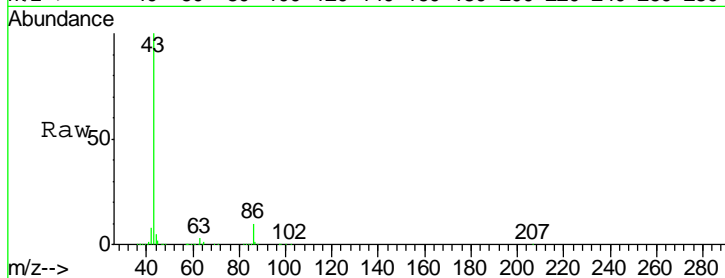
#23
 Vinyl Acetate
 Concen: 99.575 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.0	8.3	12.5

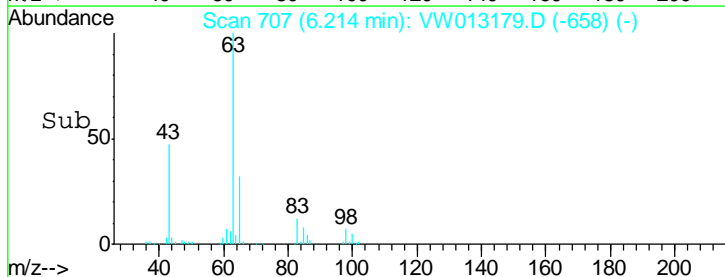
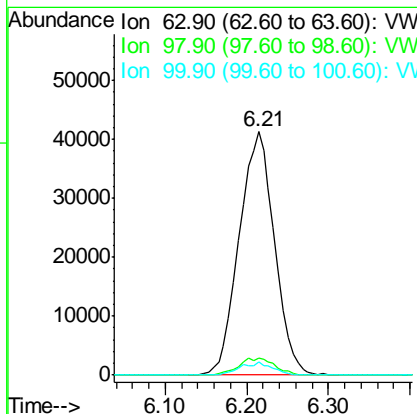
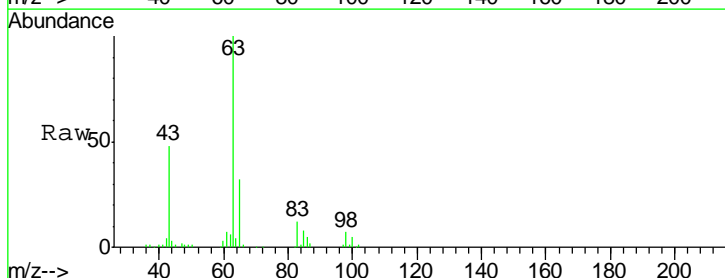
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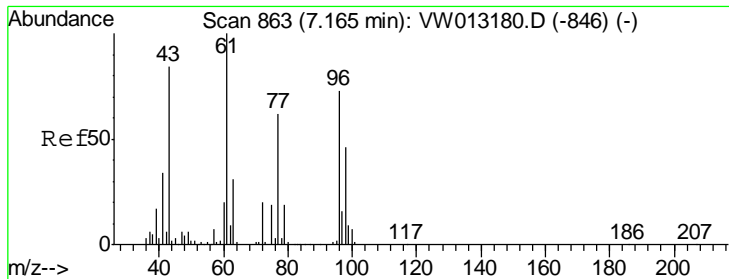
MMDadoda
 9/24/2019 5:28:43 AM



#24
 1,1-Dichloroethane
 Concen: 20.693 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	5.5	2.4	7.1





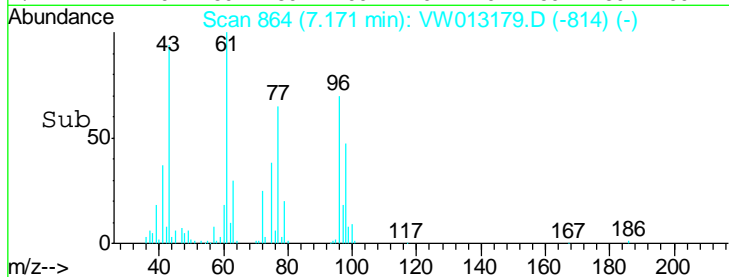
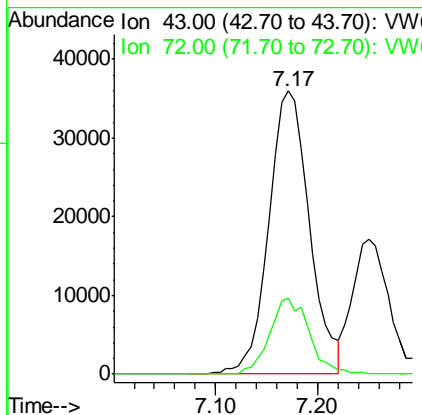
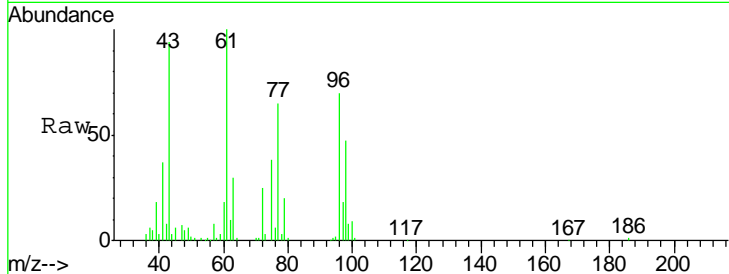
#25
 2-Butanone
 Concen: 92.259 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.7	19.4	29.0

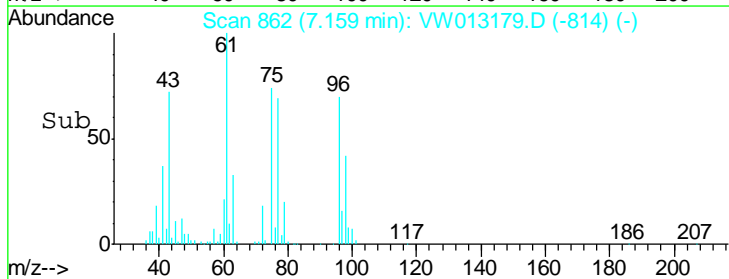
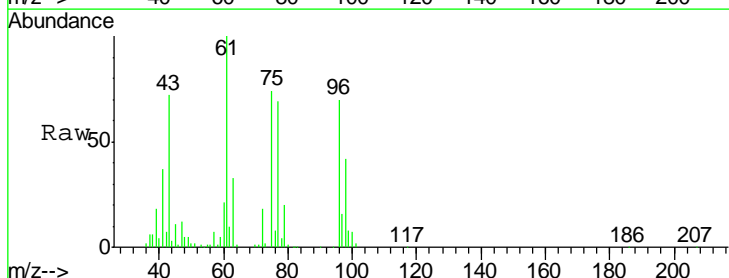
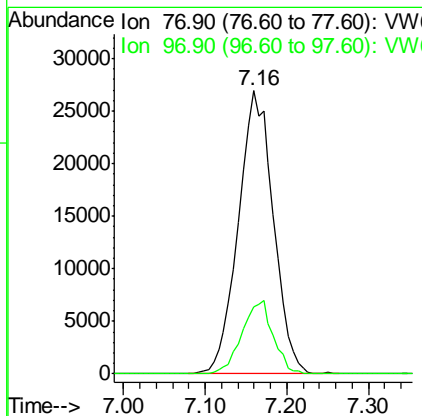
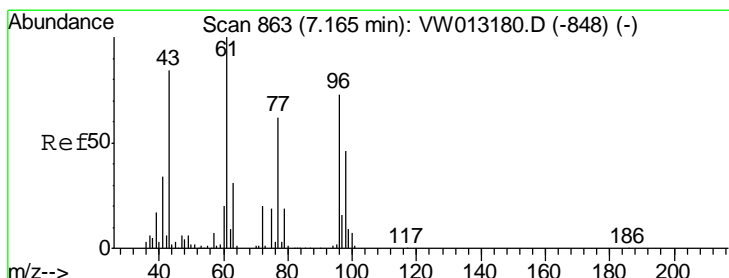
Manual Integrations
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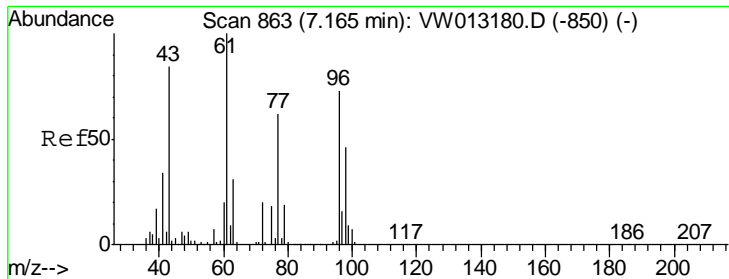
MMDadoda
 9/24/2019 5:28:43 AM



#26
 2,2-Dichloropropane
 Concen: 19.237 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.1	11.8	35.4





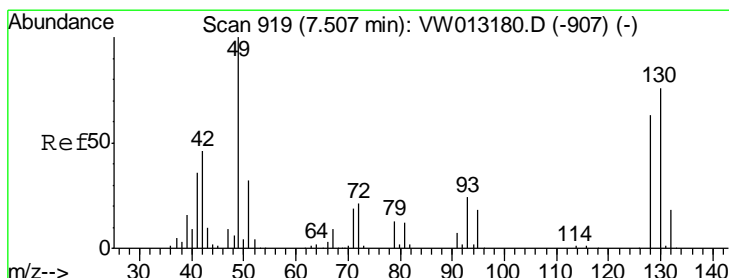
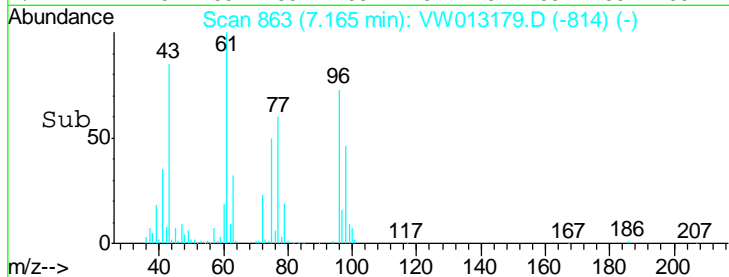
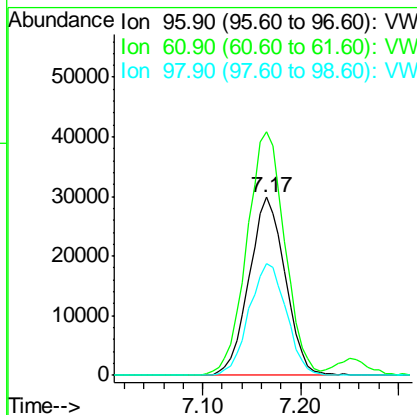
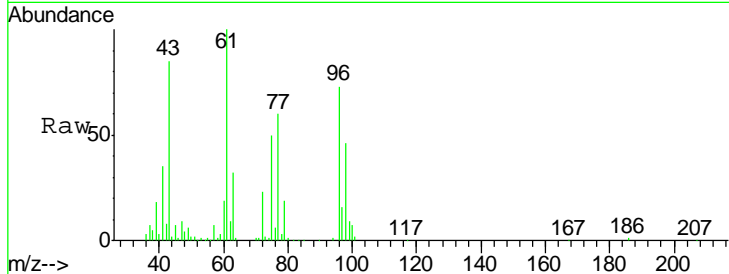
#27
 cis-1,2-Dichloroethene
 Concen: 22.232 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	76575		
96	100		
61	143.7	0.0	282.4
98	64.6	0.0	128.2

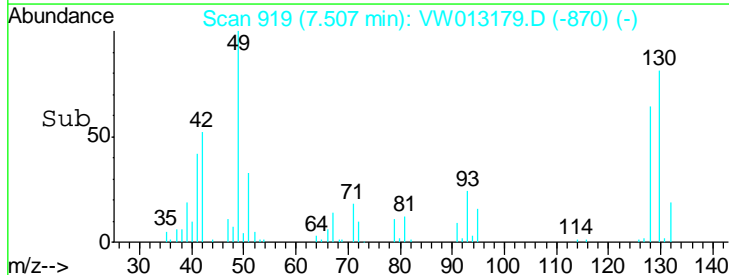
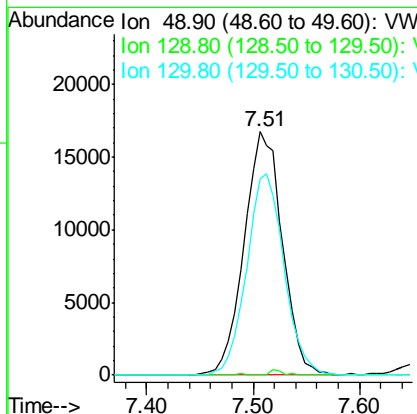
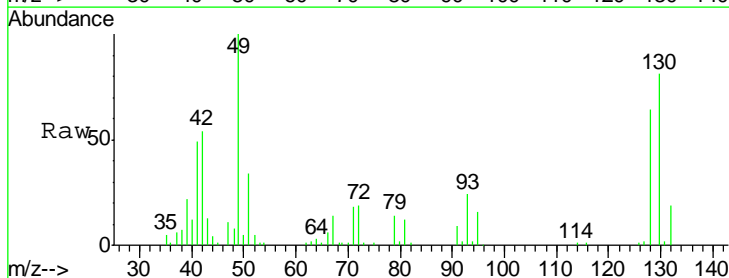
Manual Integrations
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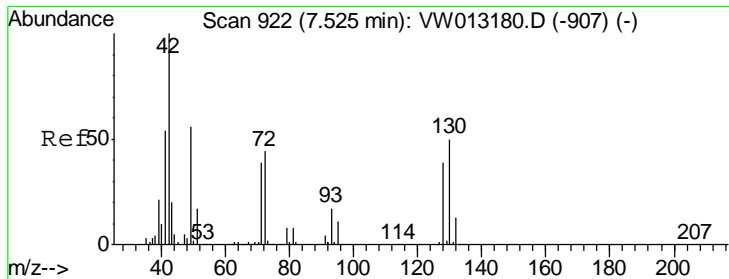
MMDadoda
 9/24/2019 5:28:43 AM



#28
 Bromochloromethane
 Concen: 16.801 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
49	42122		
49	100		
129	0.7	0.0	1.0
130	81.0	63.4	95.2



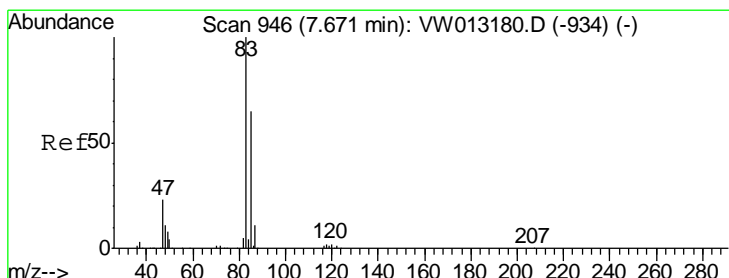
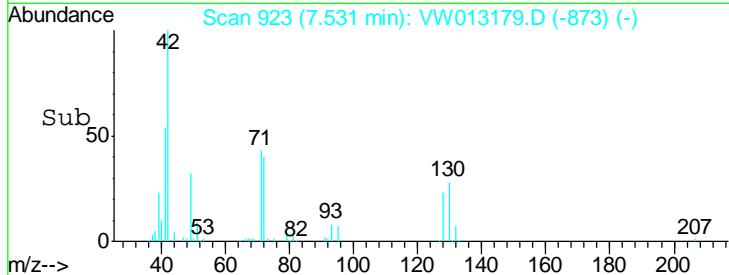
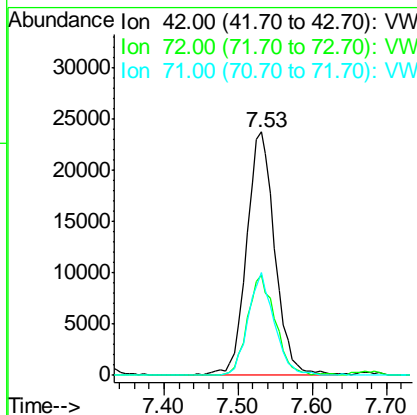
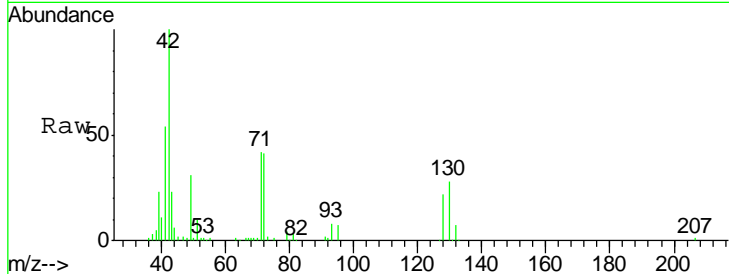


#29
 Tetrahydrofuran
 Concen: 100.931 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
42	63013		
72	40.8	33.9	50.9
71	39.2	31.9	47.9

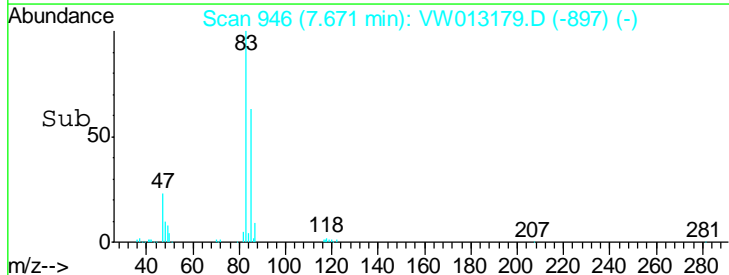
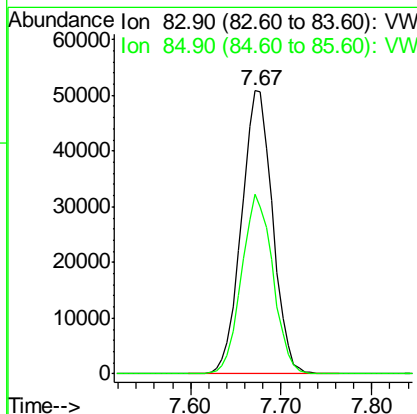
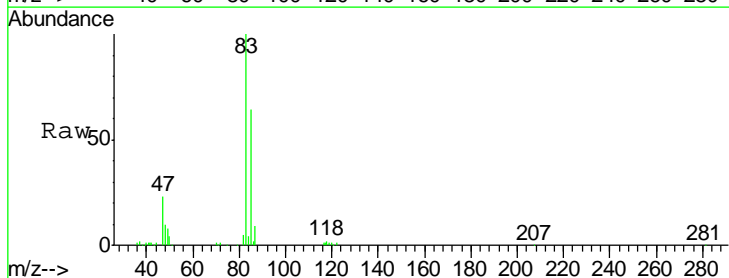
Instrument : MSVOA_W
 Client Sampled : VSTDIC020

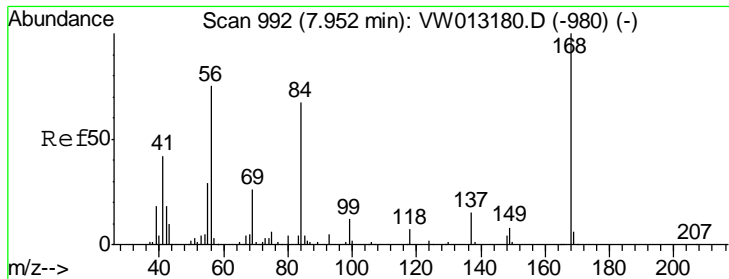
Manual Integrations
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#30
 Chloroform
 Concen: 20.085 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
83	120711		
85	63.6	52.3	78.5





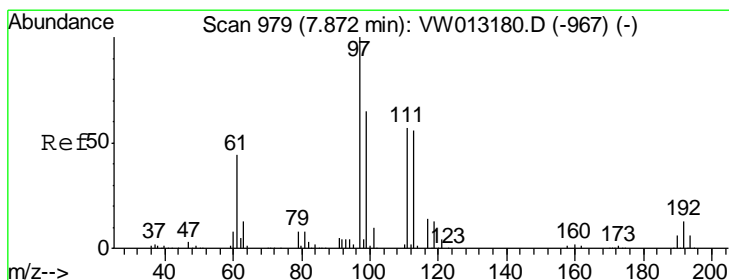
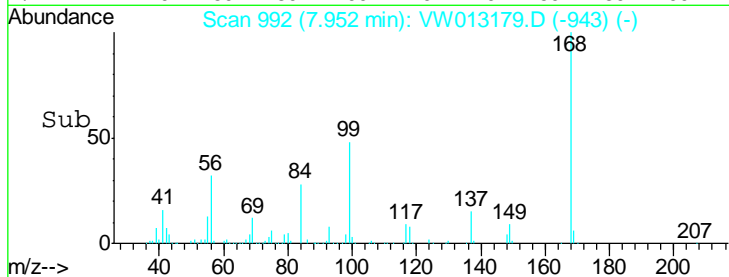
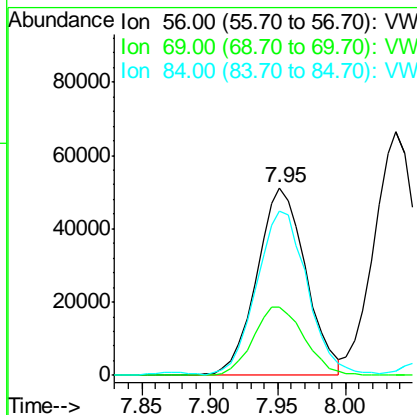
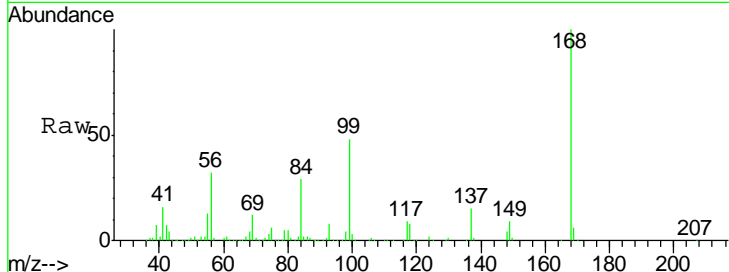
#31
 Cyclohexane
 Concen: 24.144 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	128317		
56	100		
69	36.5	27.2	40.8
84	87.0	70.8	106.2

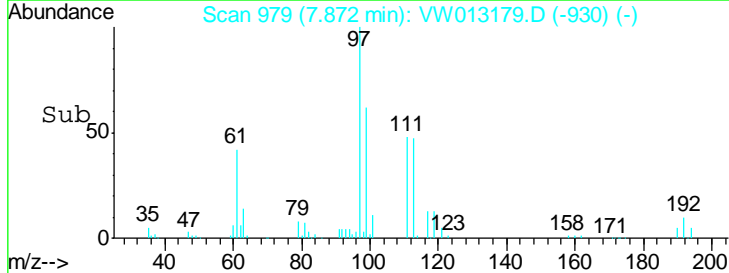
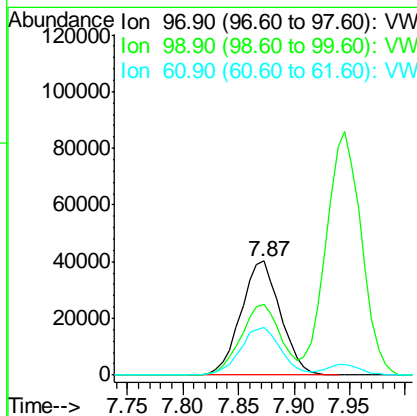
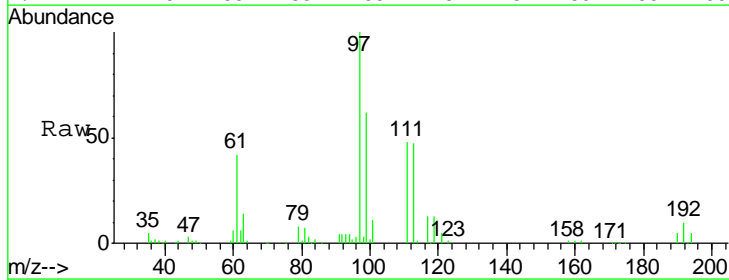
Manual Integrations
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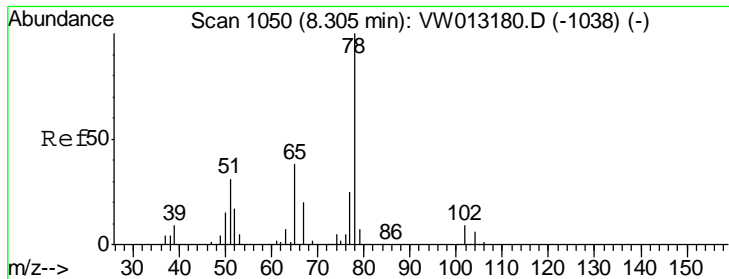
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#32
 1,1,1-Trichloroethane
 Concen: 19.924 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
97	98770		
97	100		
99	62.8	51.7	77.5
61	43.1	34.6	51.8





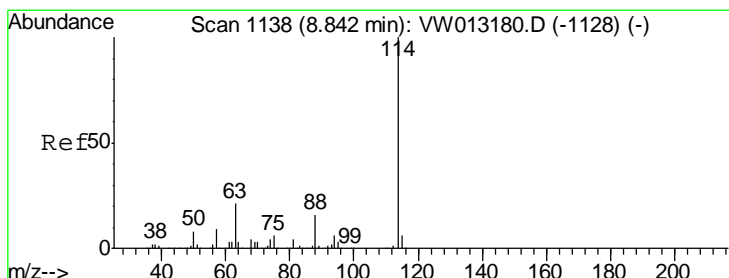
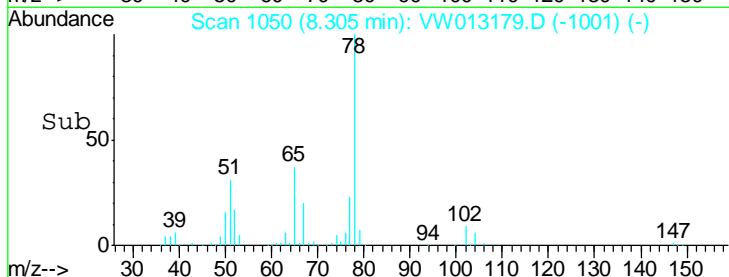
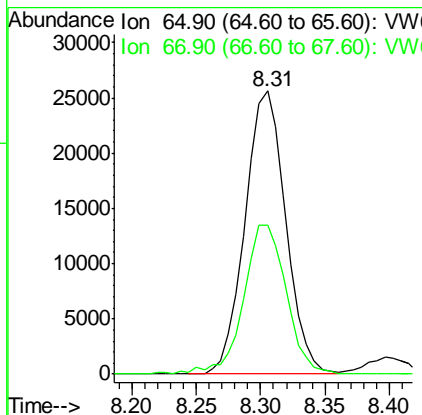
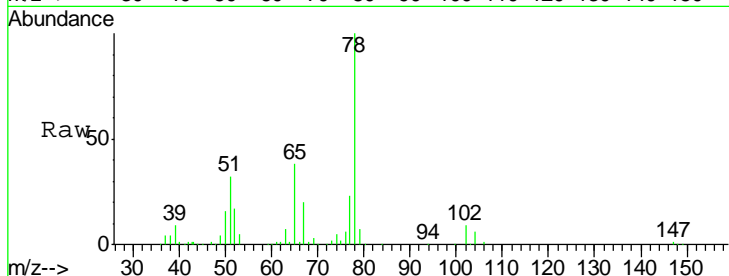
#33
 1,2-Dichloroethane-d4
 Concen: 16.555 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.1	0.0	106.2

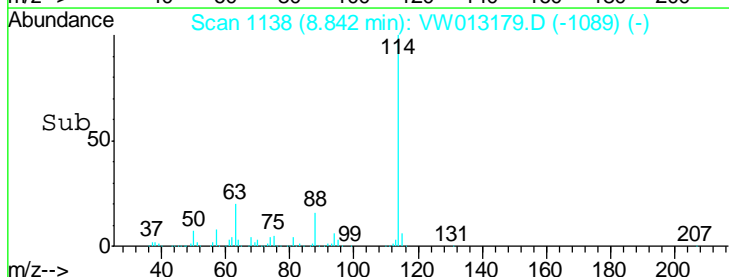
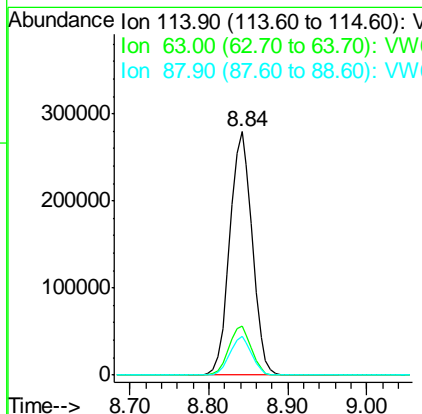
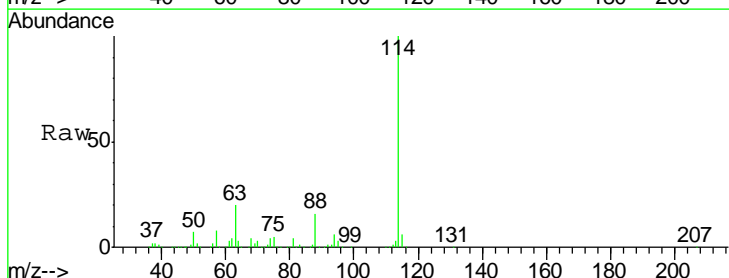
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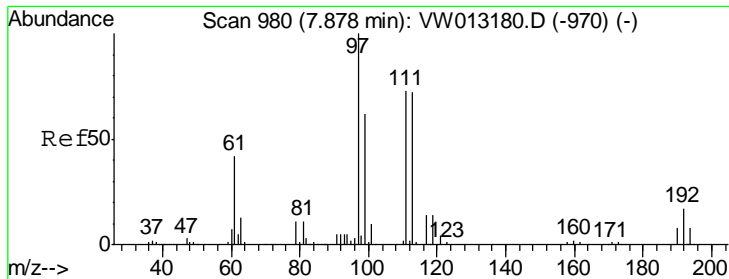
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.4	0.0	41.4
88	16.0	0.0	32.0





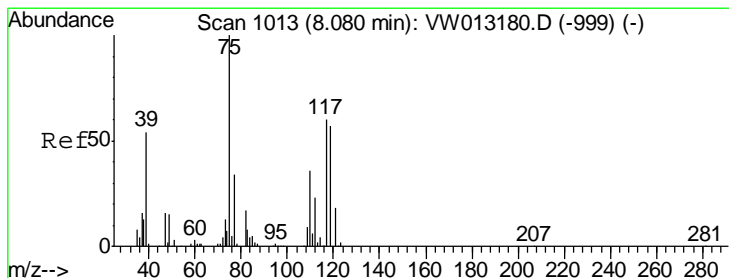
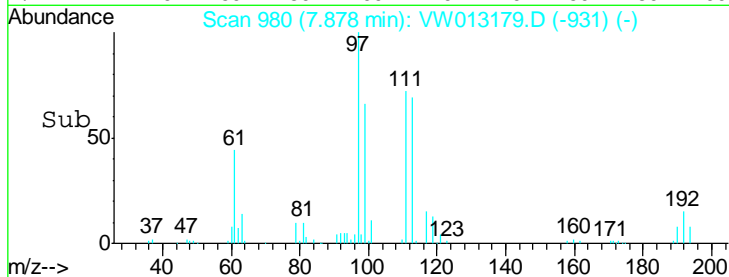
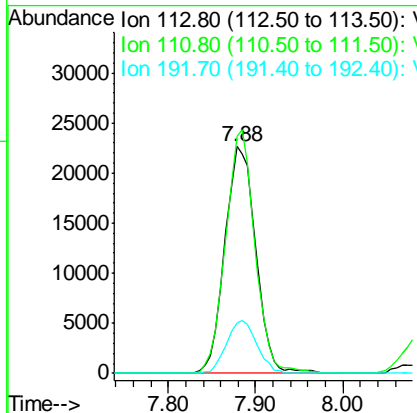
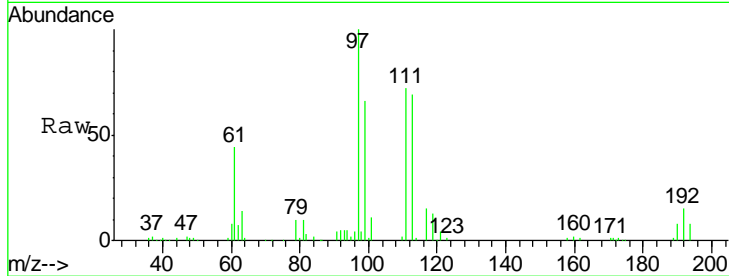
#35
 Dibromofluoromethane
 Concen: 18.733 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
113	55809		
113	100		
111	101.7	81.9	122.9
192	22.9	19.1	28.7

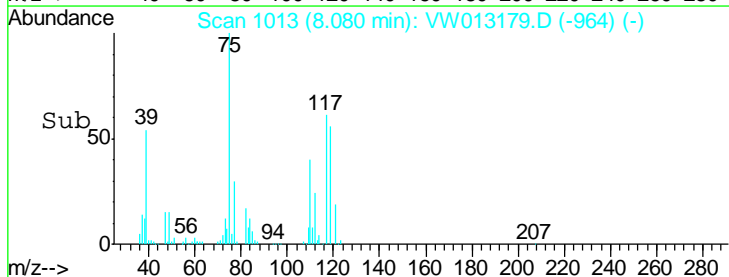
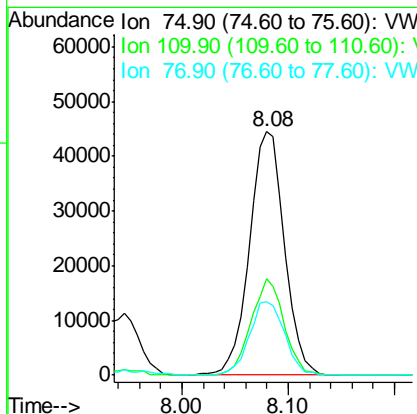
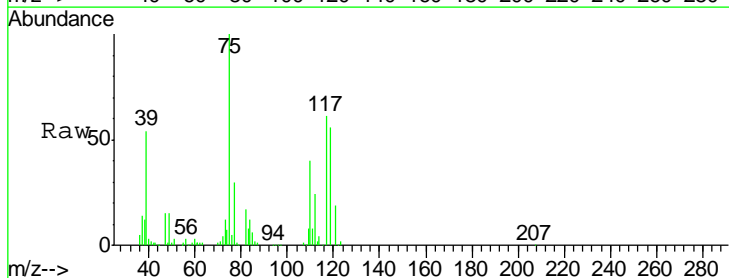
Manual Integrations
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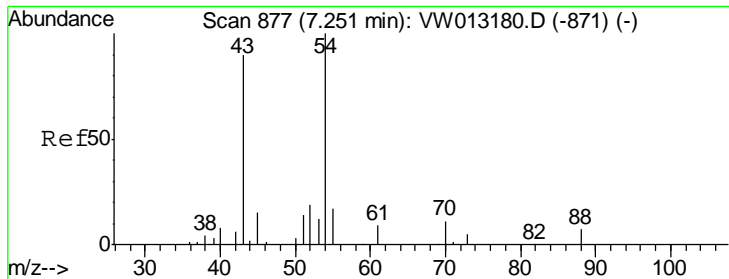
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#36
 1,1-Dichloropropene
 Concen: 22.610 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
75	102716		
75	100		
110	37.2	18.1	54.3
77	30.4	25.8	38.6



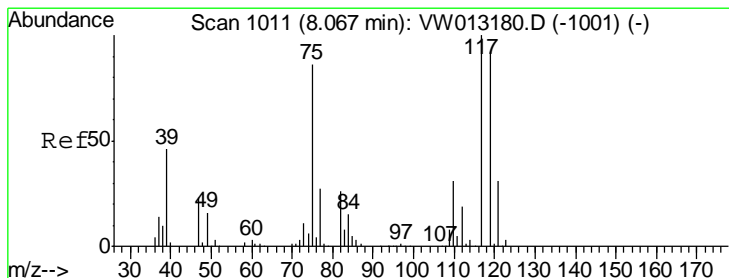
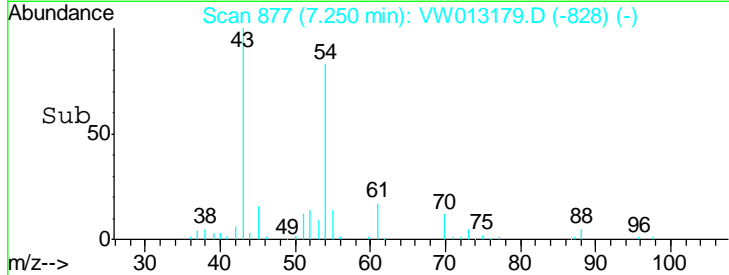
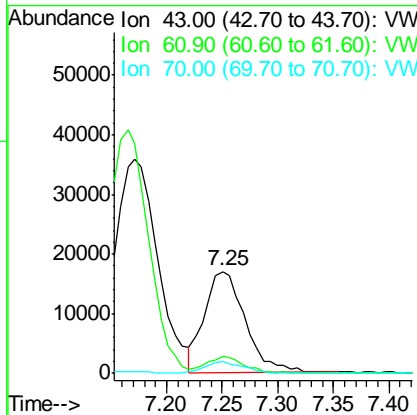
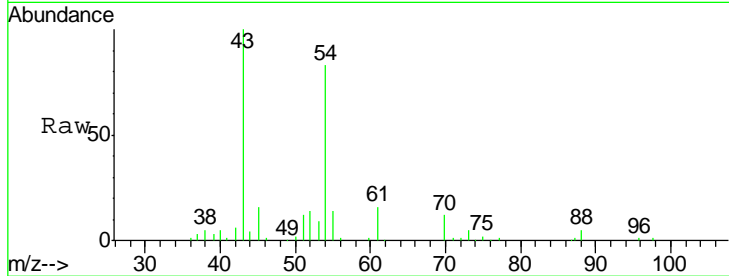


#37
 Ethyl Acetate
 Concen: 18.673 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.8	10.9	16.3
70	11.1	8.2	12.2

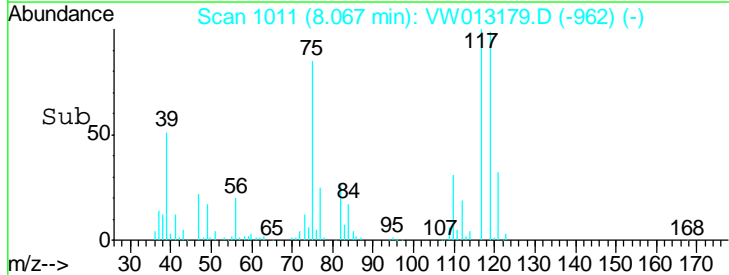
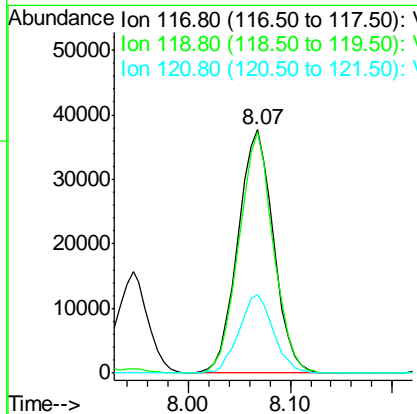
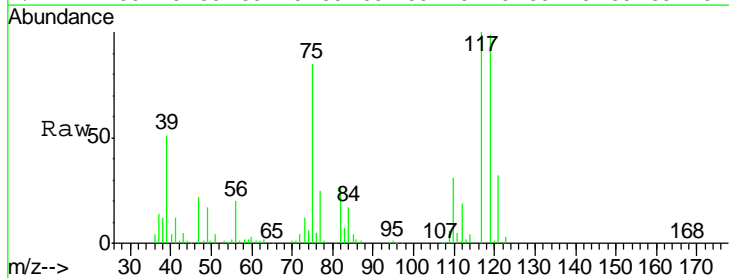
Instrument : MSVOA_W
 Client Sampled : VSTDIC020

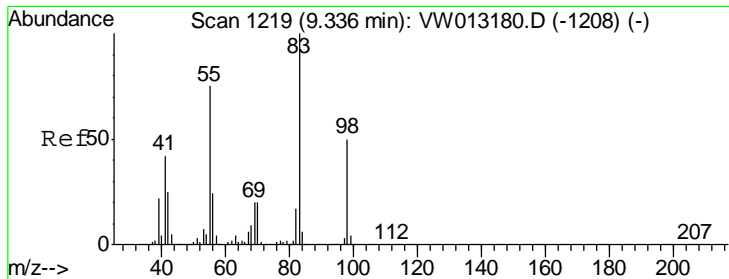
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#38
 Carbon Tetrachloride
 Concen: 20.032 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
117	100		
119	99.0	73.5	110.3
121	32.0	25.0	37.6





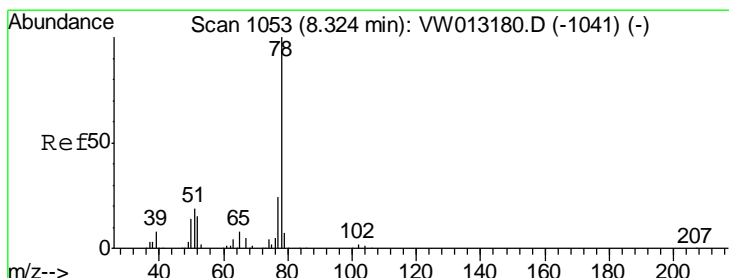
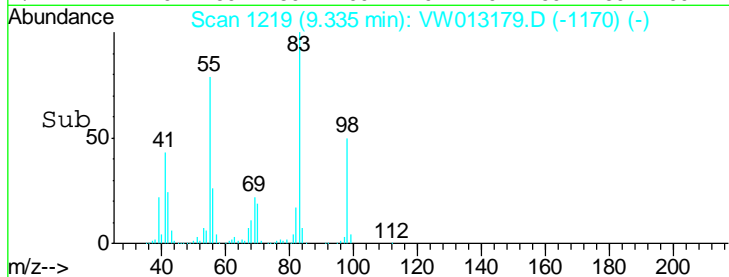
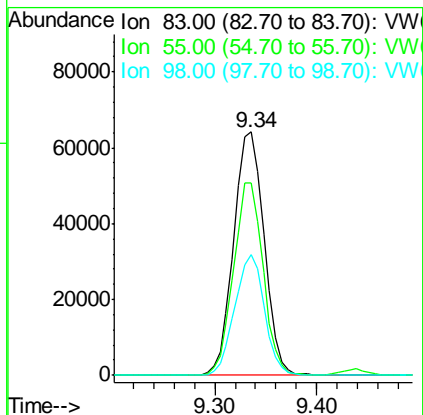
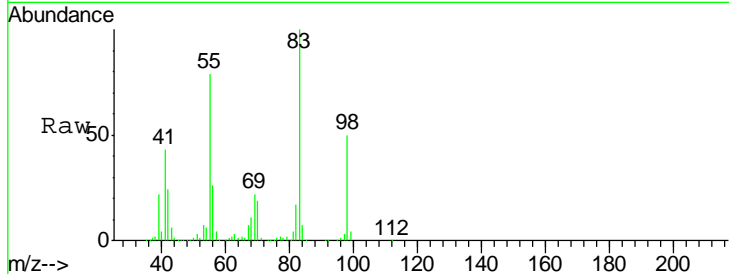
#39
 Methylcyclohexane
 Concen: 25.672 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	132947		
83	100		
55	78.8	60.4	90.6
98	49.5	40.0	60.0

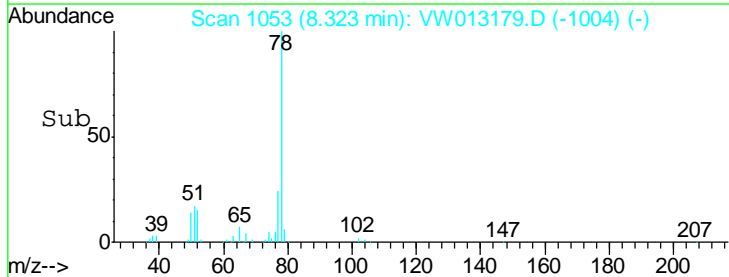
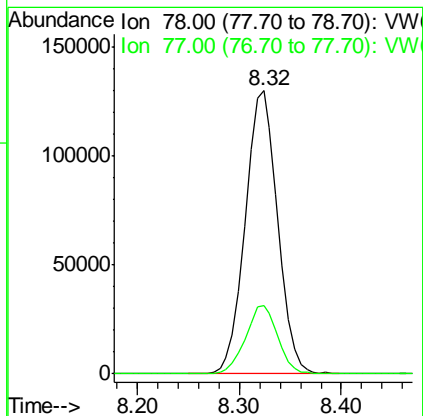
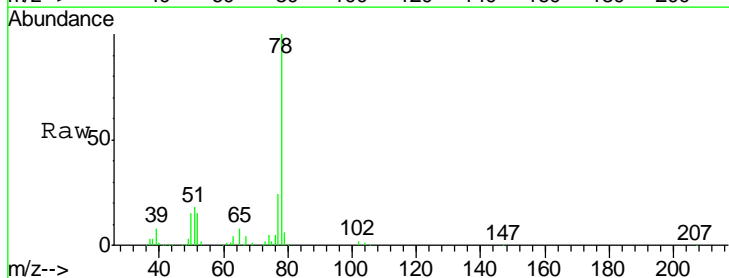
Manual Integrations
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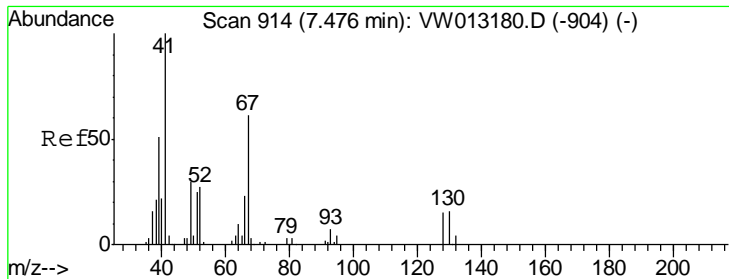
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 9/24/2019 5:28:43 AM



#40
 Benzene
 Concen: 22.674 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
78	287576		
78	100		
77	24.3	19.1	28.7





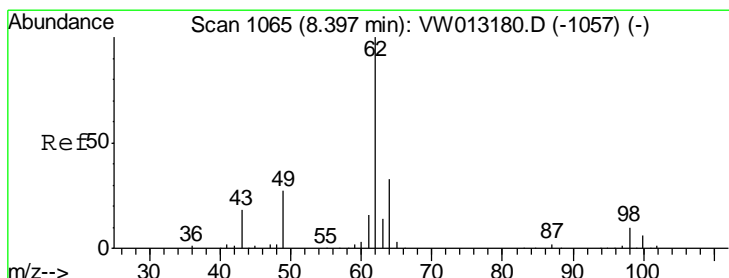
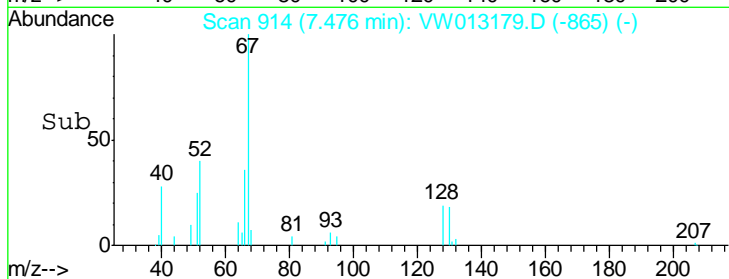
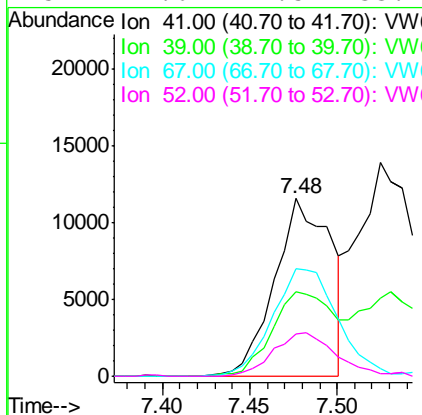
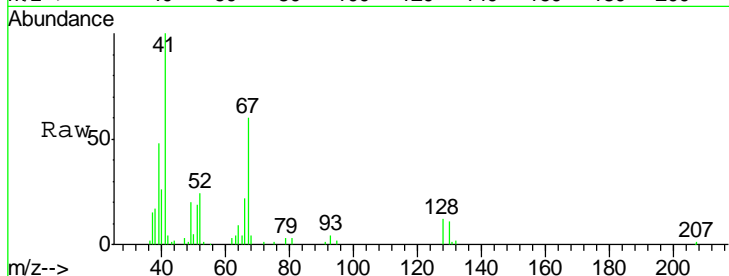
#41
 Methacrylonitrile
 Concen: 17.230 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.9	45.9	68.9
67	70.8	54.5	81.7
52	27.6	22.5	33.7

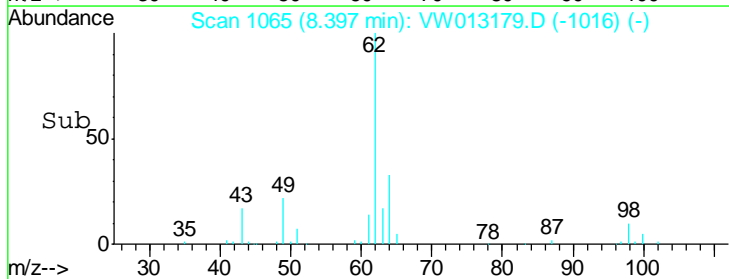
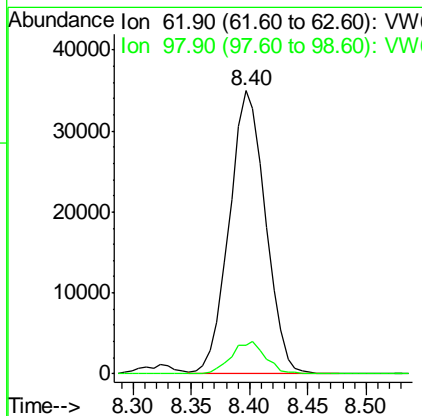
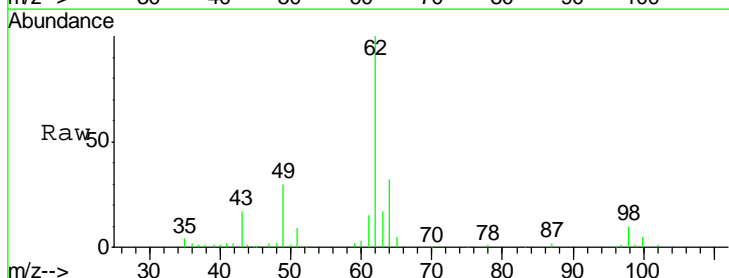
Manual Integrations
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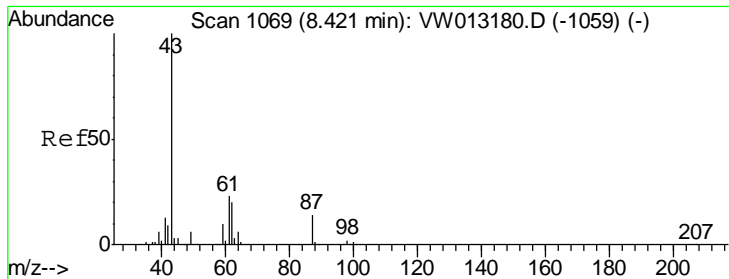
MMDadoda
 9/24/2019 5:28:43 AM



#42
 1,2-Dichloroethane
 Concen: 18.467 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.8	0.0	20.6



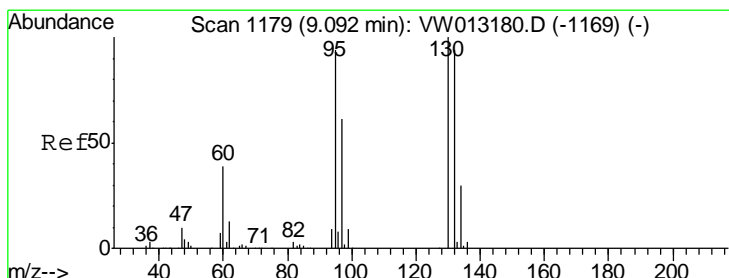
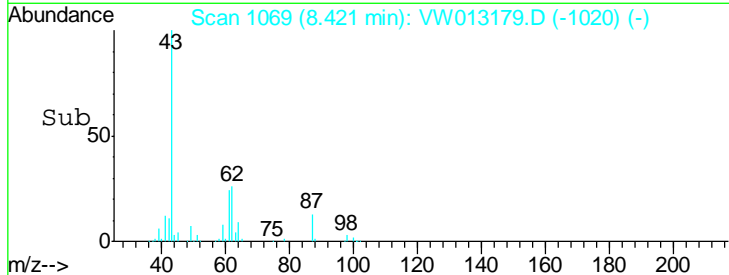
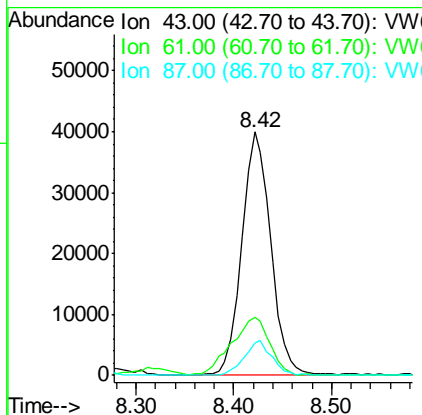
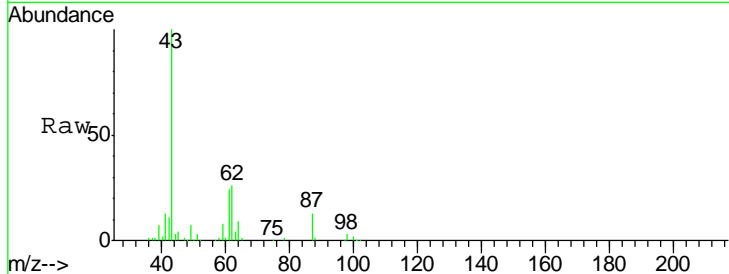


#43
 Isopropyl Acetate
 Concen: 18.524 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
43	100		
61	31.6	25.5	38.3
87	13.5	11.0	16.4

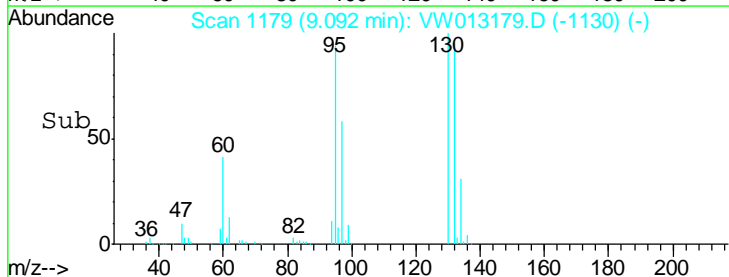
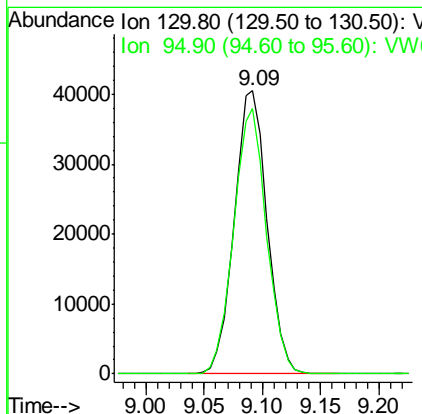
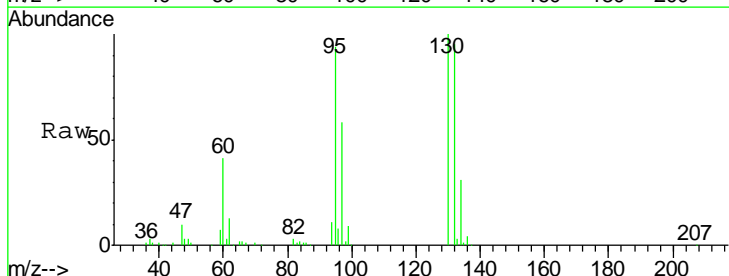
Instrument : MSVOA_W
 Client Sampled : VSTDIC020

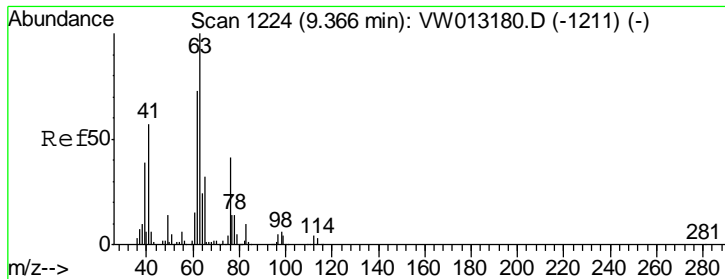
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 9/24/2019 5:28:43 AM



#44
 Trichloroethene
 Concen: 22.737 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
130	100		
95	93.6	0.0	188.0





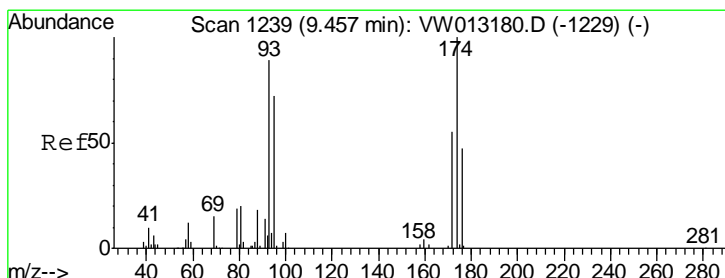
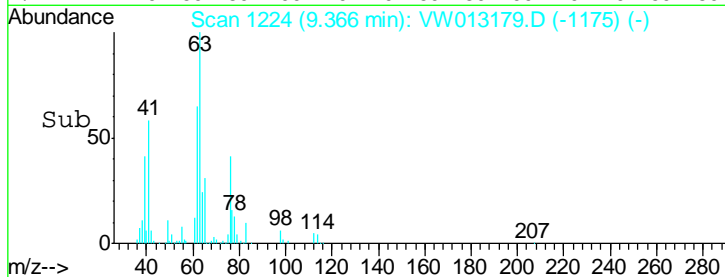
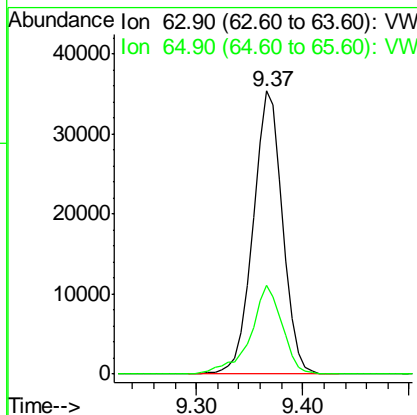
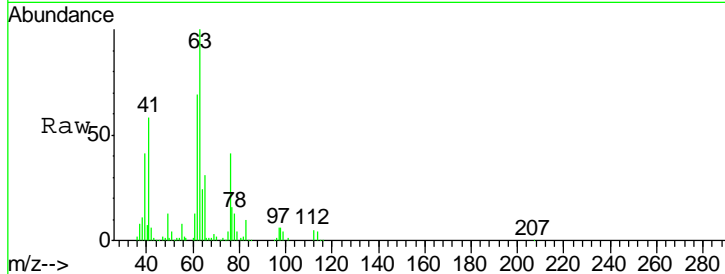
#45
 1,2-Dichloropropane
 Concen: 20.761 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.4	25.3	37.9

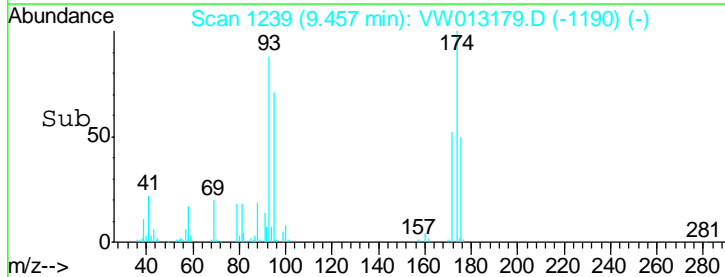
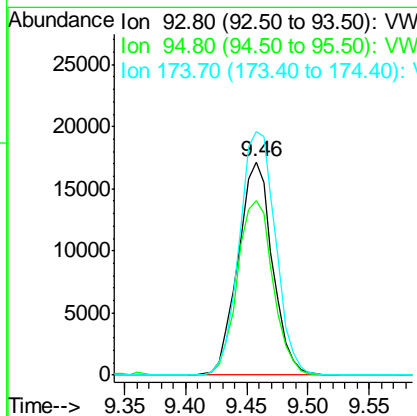
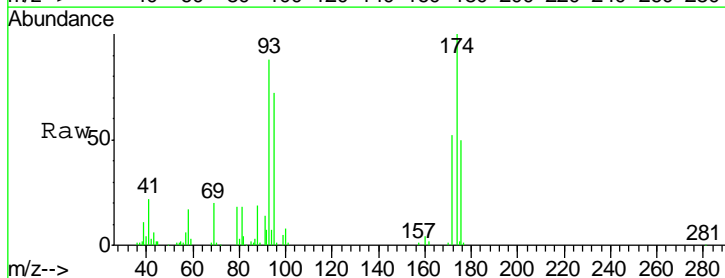
Manual Integrations
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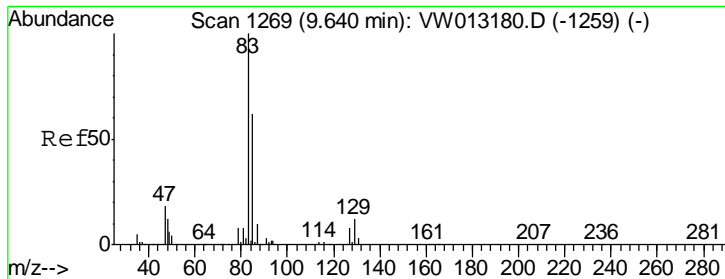
MMDadoda
 9/24/2019 5:28:43 AM



#46
 Dibromomethane
 Concen: 21.095 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.8	66.4	99.6
174	120.3	93.0	139.6





#47

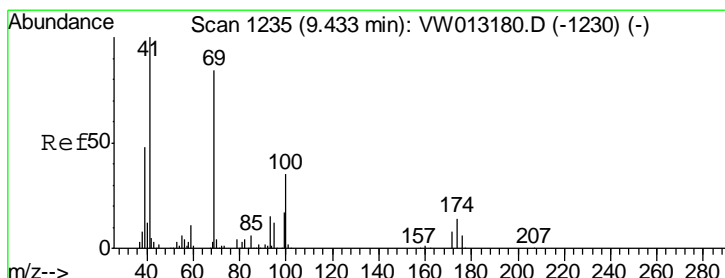
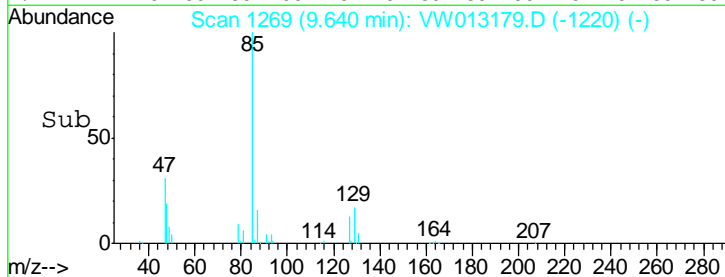
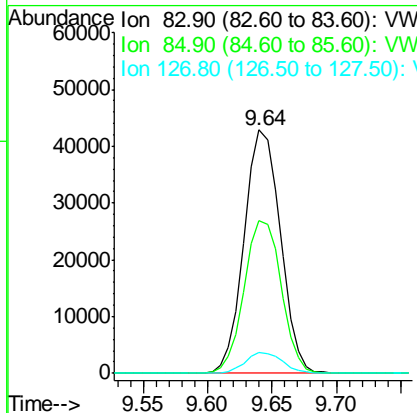
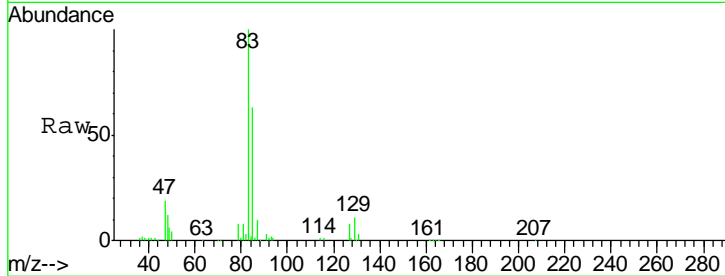
Bromodichloromethane
 Concen: 19.112 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	83720		
85	62.7	49.4	74.2
127	8.3	6.5	9.7

Manual Integrations
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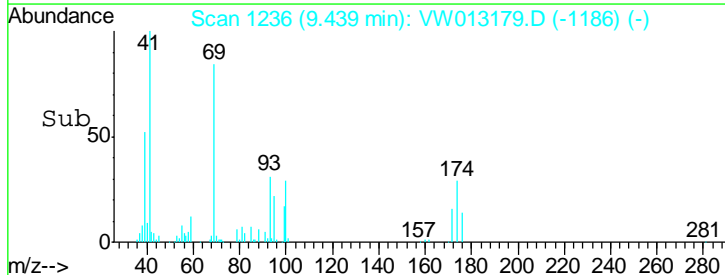
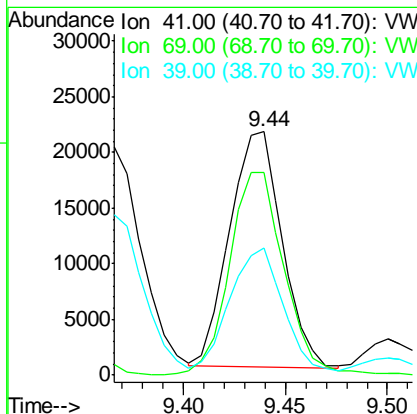
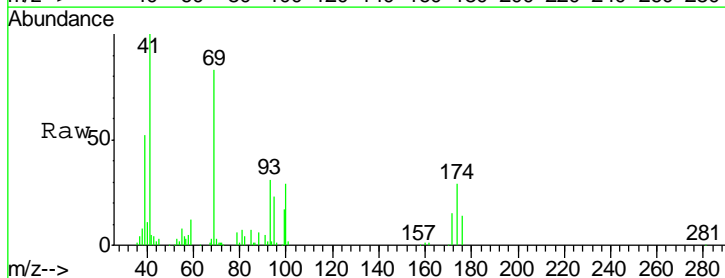
MMDadoda
 9/24/2019 5:28:43 AM

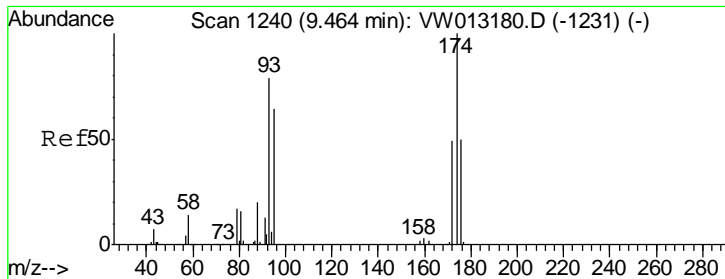


#48

Methyl methacrylate
 Concen: 18.168 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
41	37803		
69	90.4	69.7	104.5
39	51.9	41.1	61.7





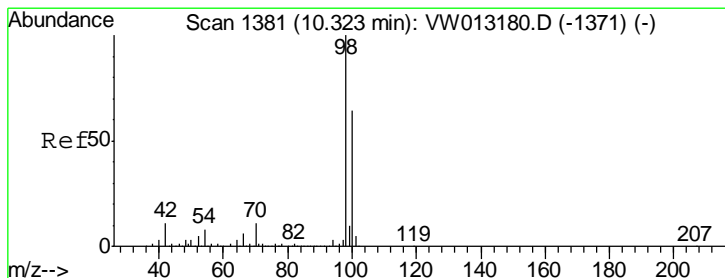
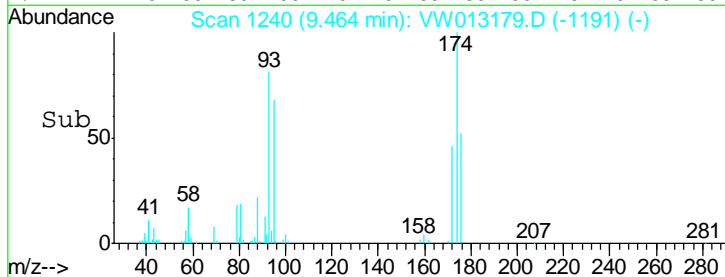
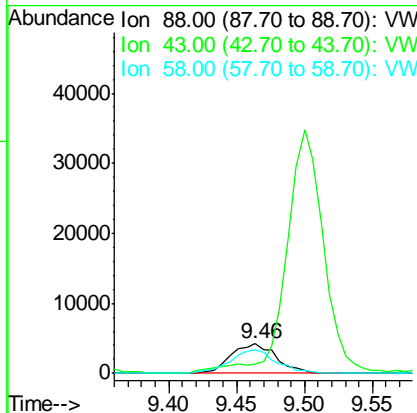
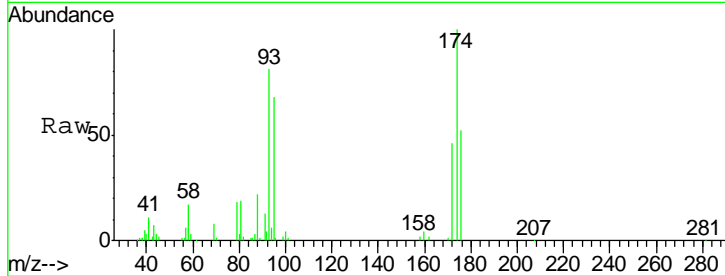
#49
 1,4-Dioxane
 Concen: 387.017 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
88	9850		
88	100		
43	0.0	0.0	0.0
58	81.1	65.4	98.0

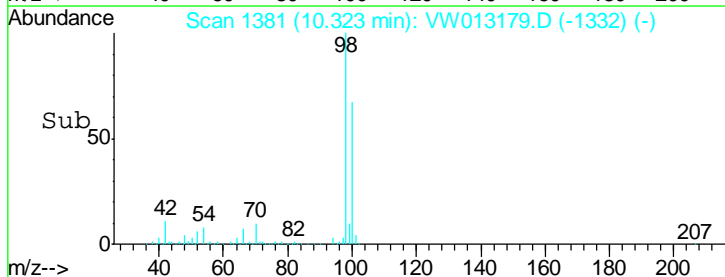
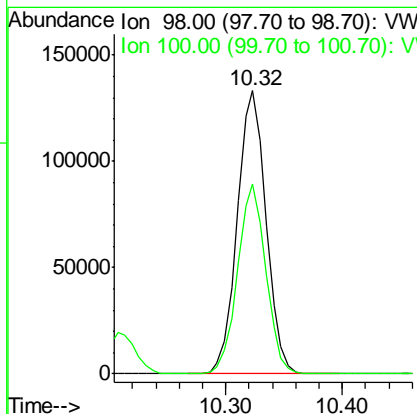
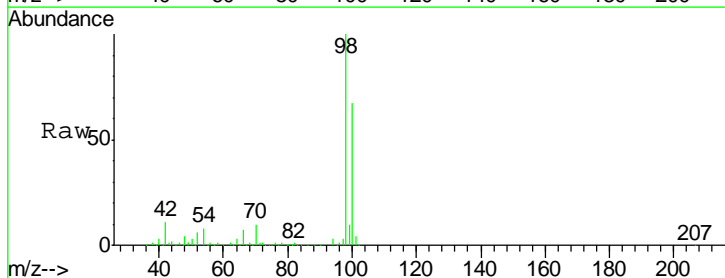
Manual Integrations
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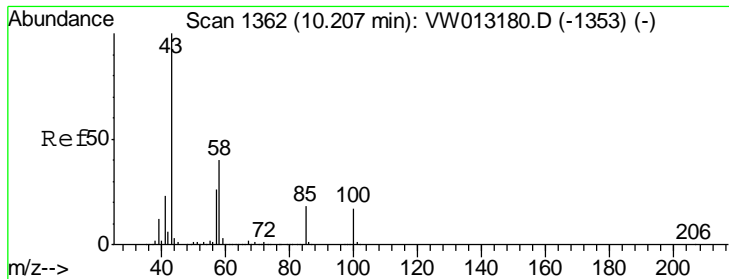
MMDadoda
 9/24/2019 5:28:43 AM



#50
 Toluene-d8
 Concen: 19.546 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
98	229613		
98	100		
100	65.8	52.9	79.3





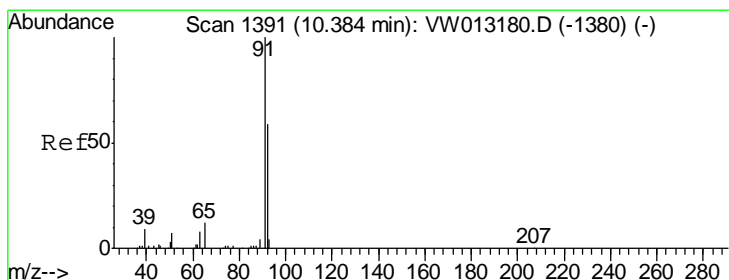
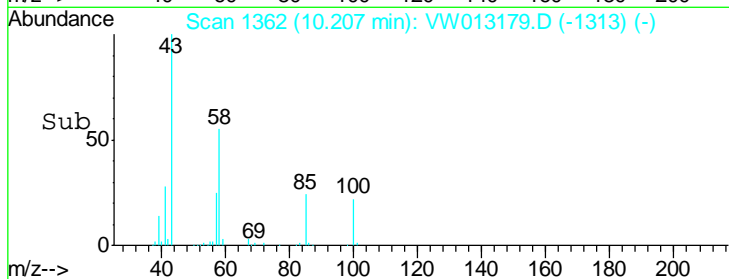
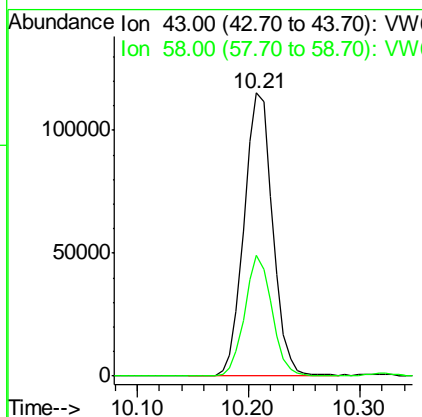
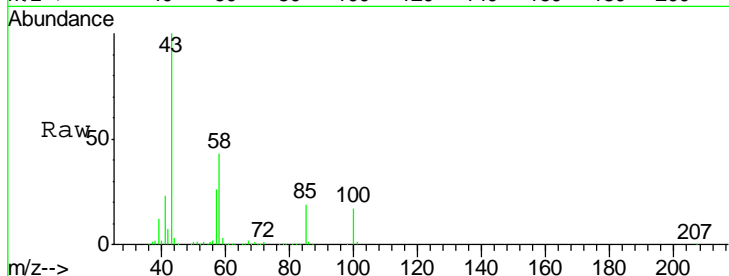
#51
 4-Methyl-2-Pentanone
 Concen: 90.863 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.5	31.7	47.5

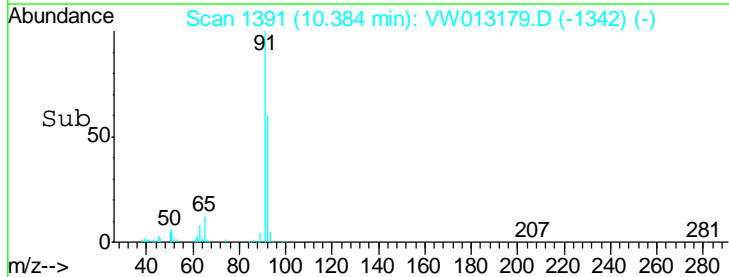
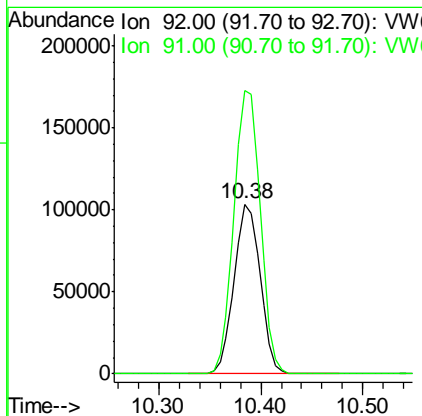
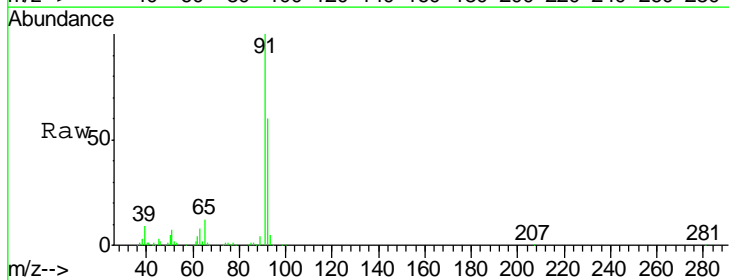
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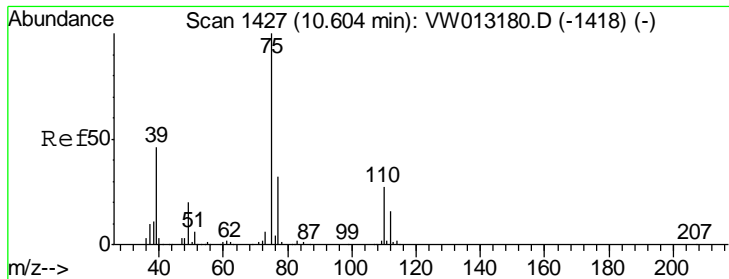
MMDadoda
 9/24/2019 5:28:43 AM



#52
 Toluene
 Concen: 22.670 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.4	135.7	203.5





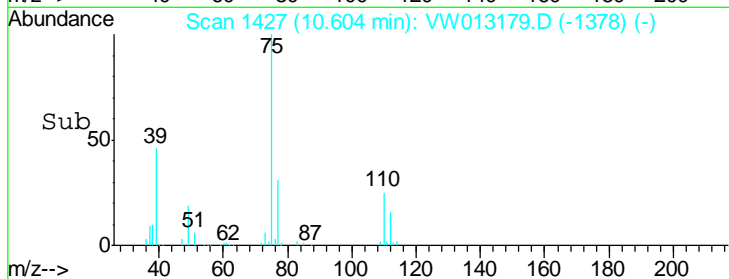
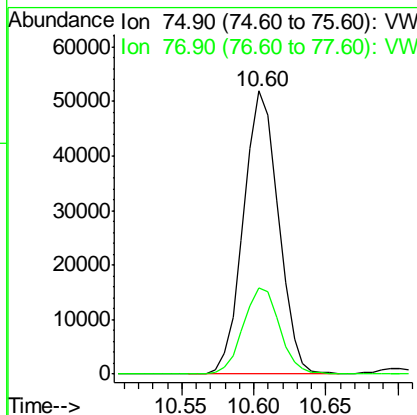
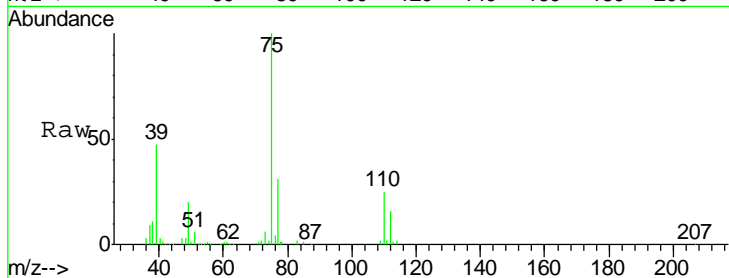
#53
 t-1,3-Dichloropropene
 Concen: 19.719 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	87347		
75	100		
77	30.4	25.5	38.3

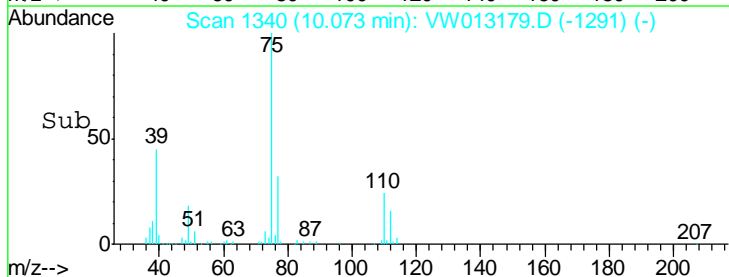
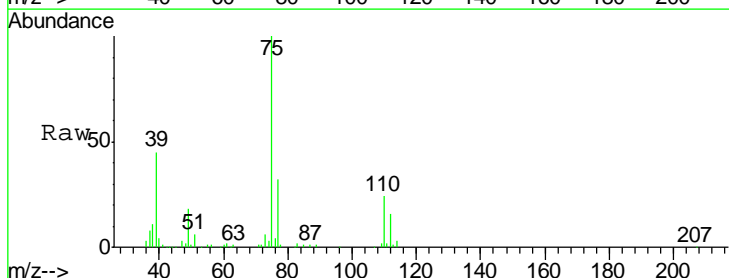
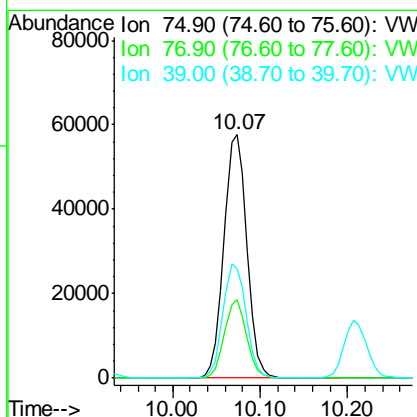
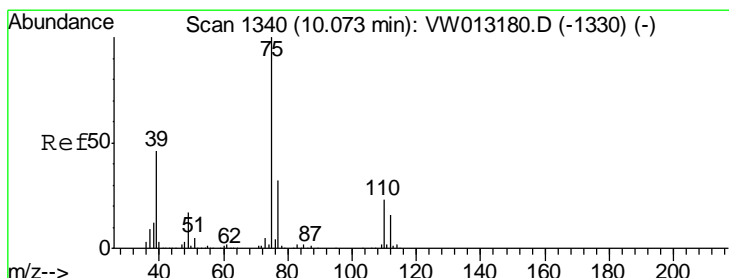
Manual Integrations
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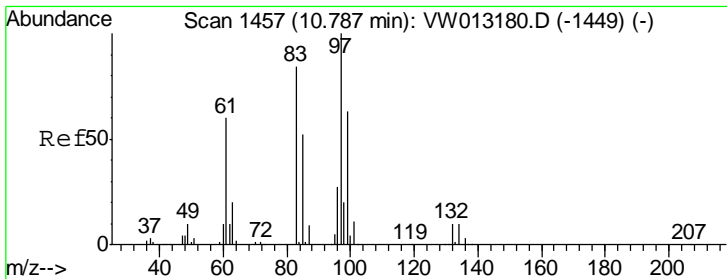
MMDadoda
 9/24/2019 5:28:43 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.528 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
75	104987		
75	100		
77	32.2	25.2	37.8
39	44.8	36.6	55.0





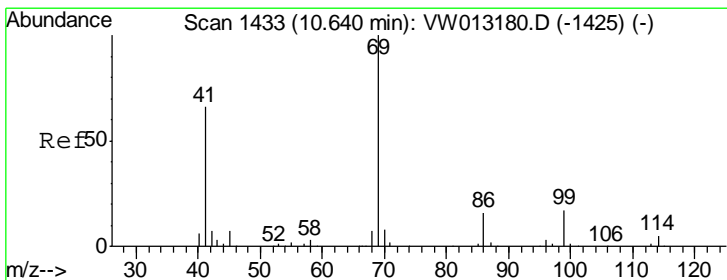
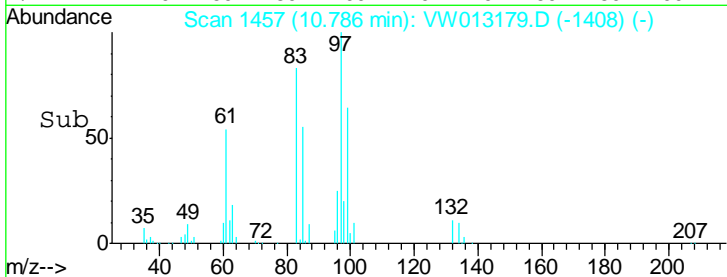
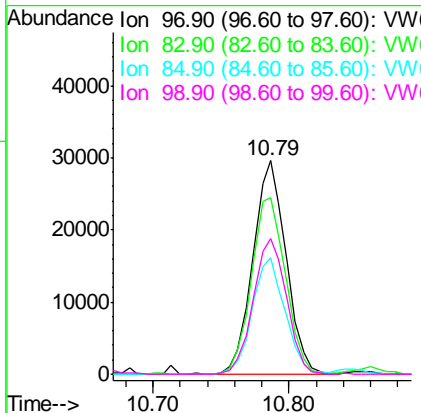
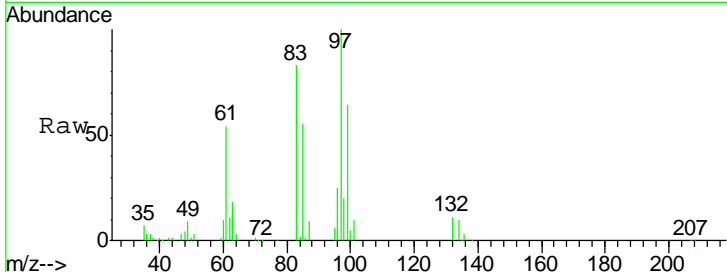
#55
 1,1,2-Trichloroethane
 Concen: 20.975 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
97	50595		
97	100		
83	82.7	67.6	101.4
85	54.6	41.9	62.9
99	63.6	50.1	75.1

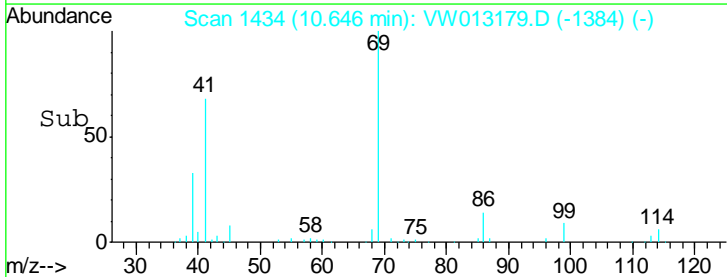
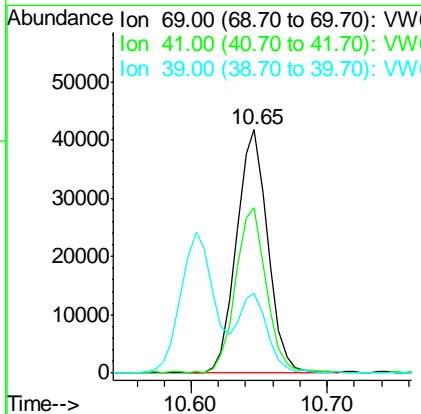
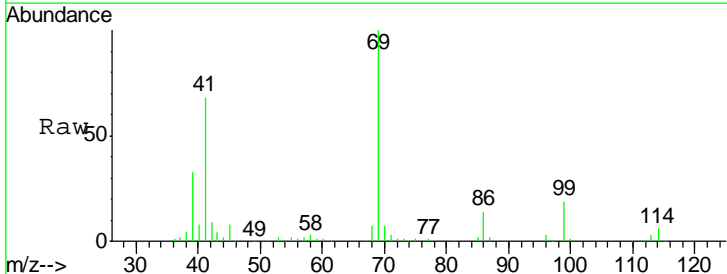
Manual Integrations
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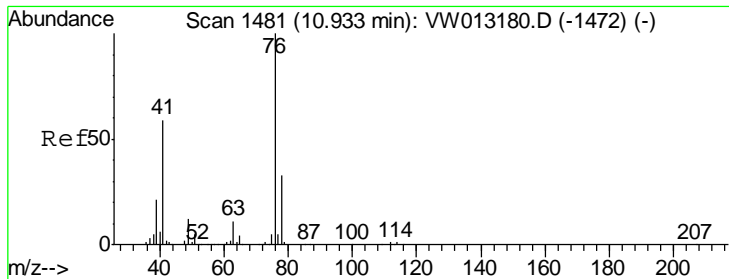
MMDadoda
 9/24/2019 5:28:43 AM



#56
 Ethyl methacrylate
 Concen: 20.721 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
69	66879		
69	100		
41	66.5	53.9	80.9
39	29.8	23.8	35.6





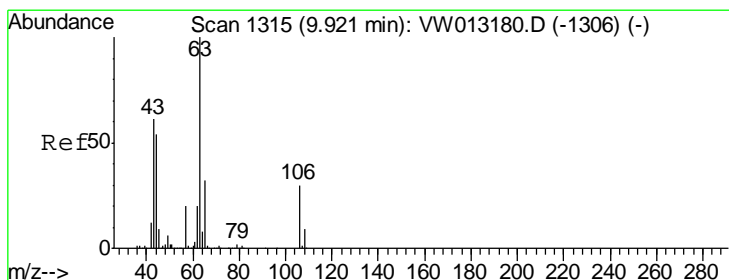
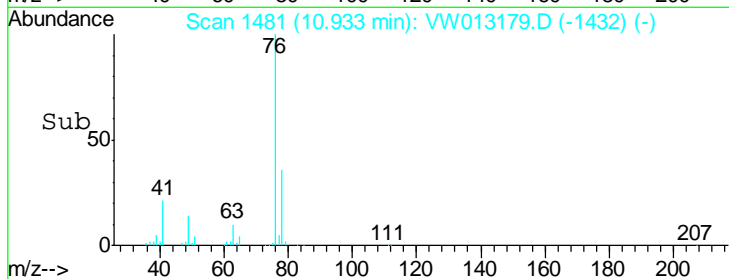
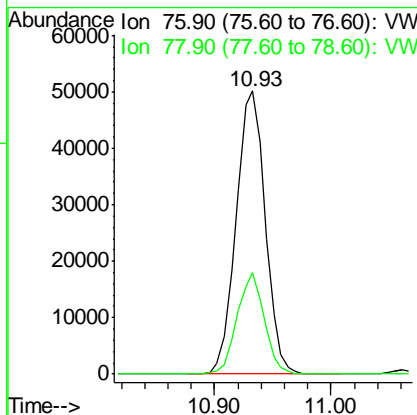
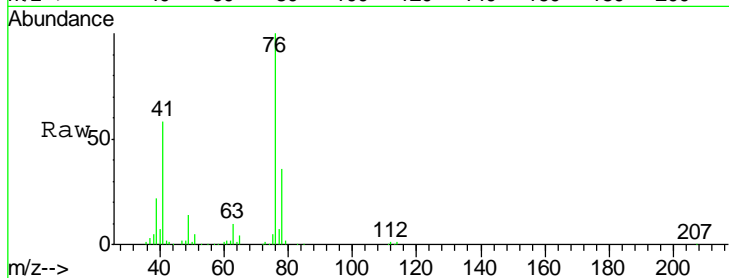
#57
 1,3-Dichloropropane
 Concen: 20.476 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	87381		
76	100		
78	33.4	25.5	38.3

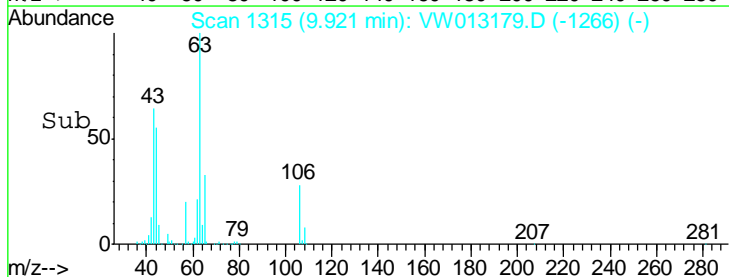
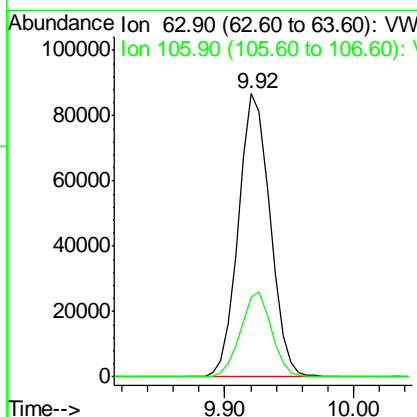
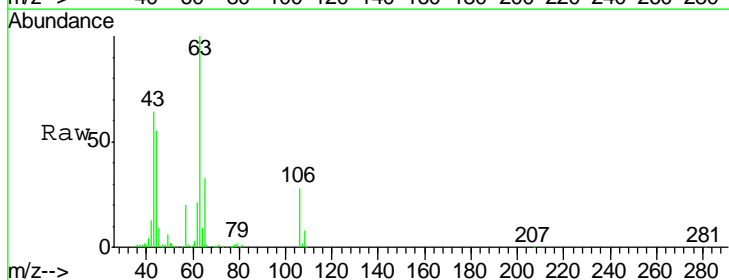
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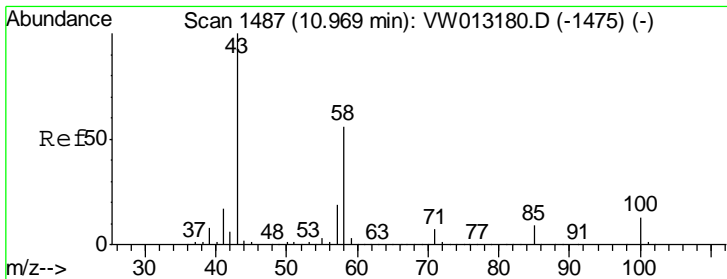
MMDadoda
 9/24/2019 5:28:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.311 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
63	147377		
63	100		
106	29.2	23.4	35.0



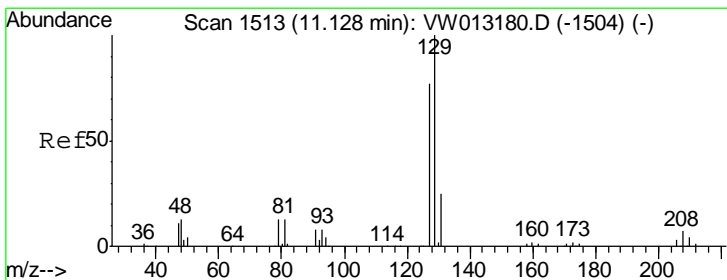
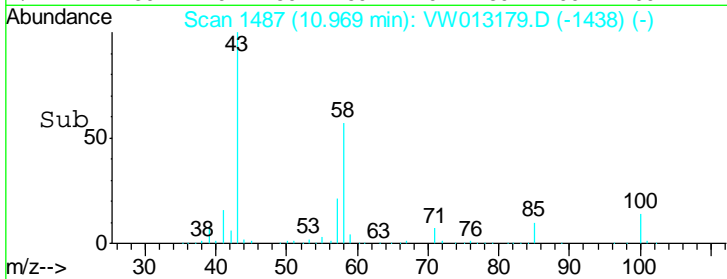
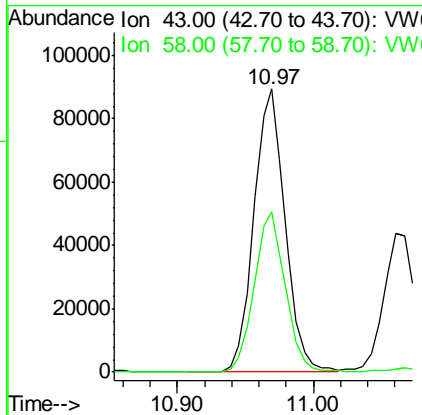
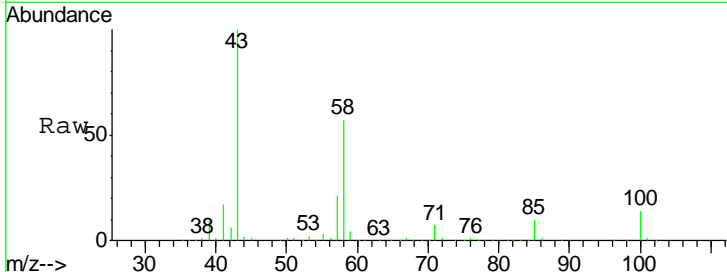


#59
 2-Hexanone
 Concen: 91.561 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC020

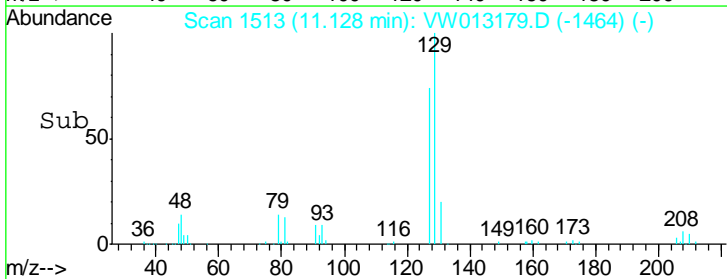
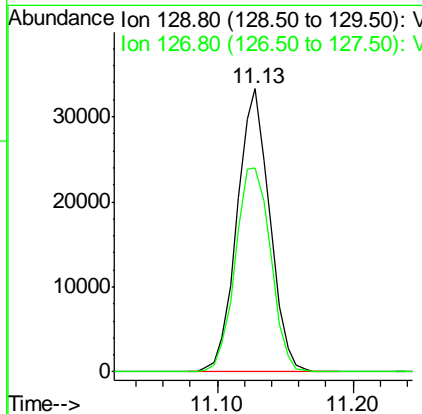
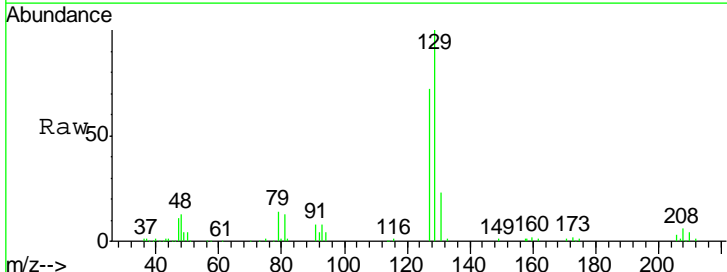
Tgt Ion	Resp	Lower	Upper
43	100		
58	56.3	28.1	84.2

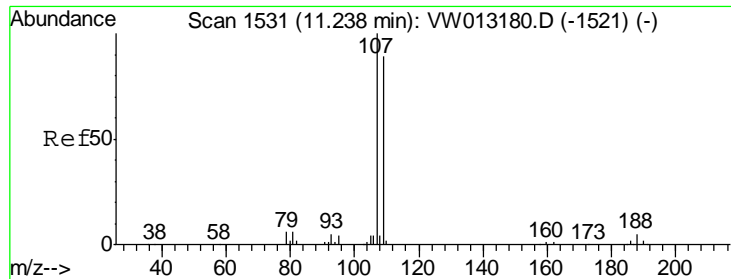
Manual Integrations
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 MMDadoda
 9/24/2019 5:28:43 AM



#60
 Dibromochloromethane
 Concen: 19.382 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.8	38.8	116.4





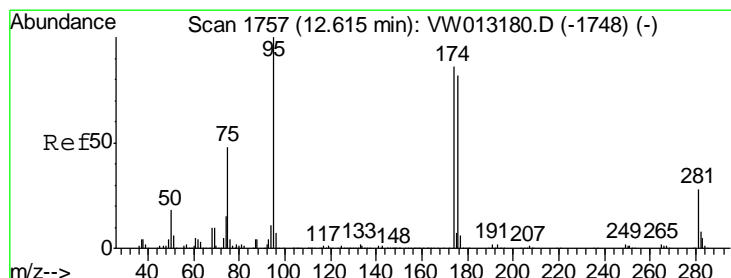
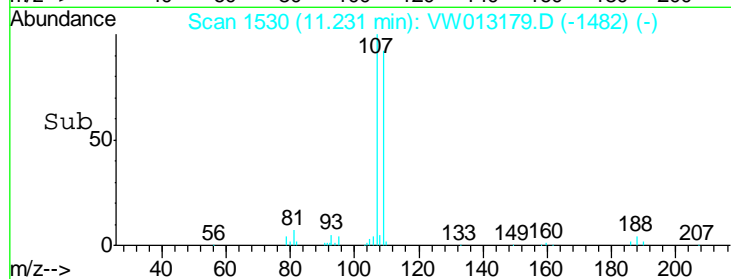
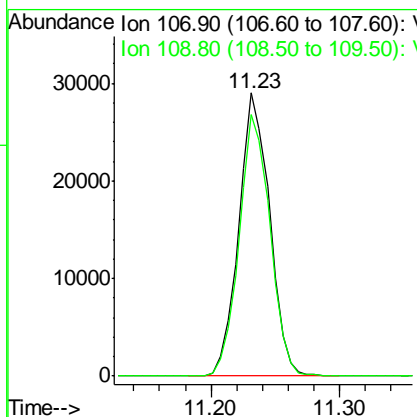
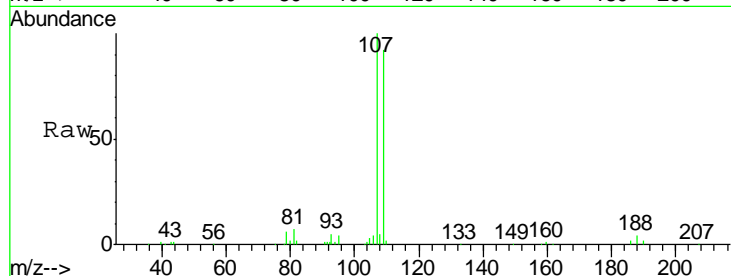
#61
 1,2-Dibromoethane
 Concen: 21.715 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
107	100		
109	92.4	75.2	112.8

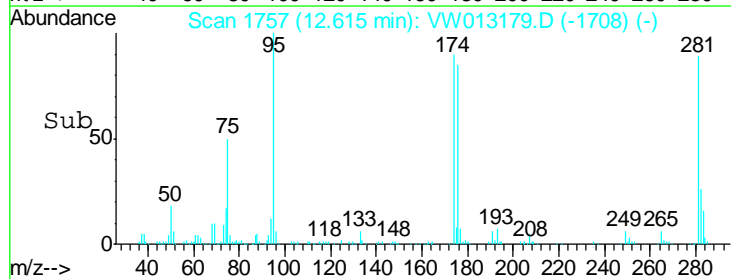
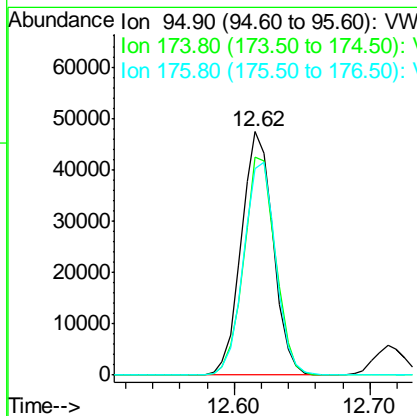
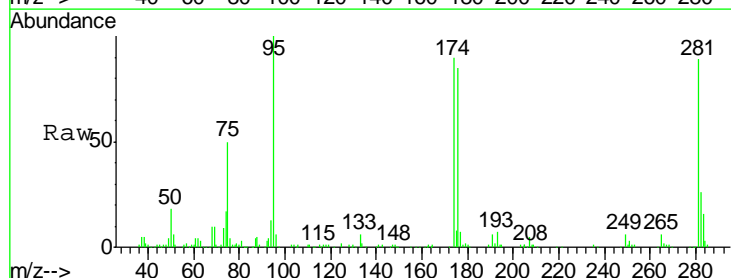
Manual Integrations
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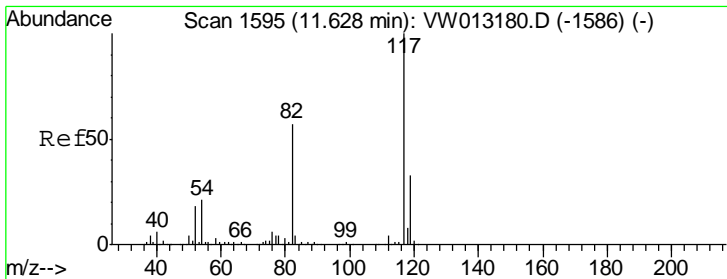
MMDadoda
 9/24/2019 5:28:43 AM



#62
 4-Bromofluorobenzene
 Concen: 18.431 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

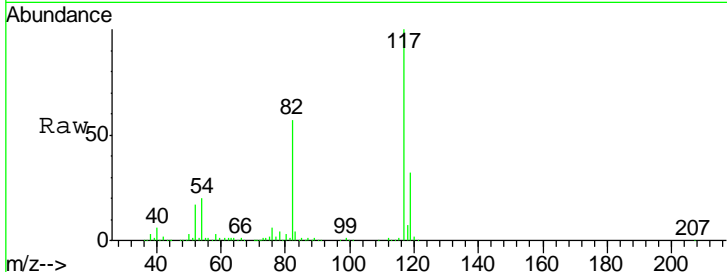
Tgt Ion	Resp	Lower	Upper
95	100		
174	89.4	0.0	178.4
176	88.4	0.0	172.2





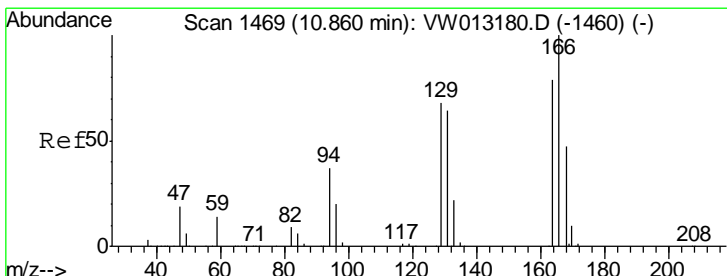
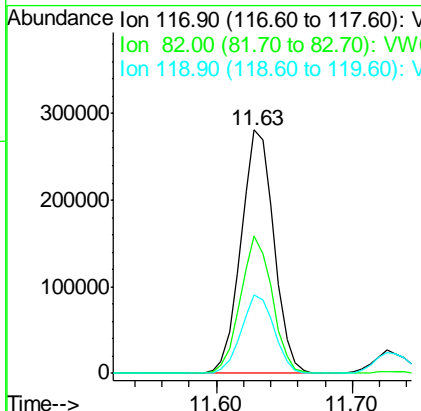
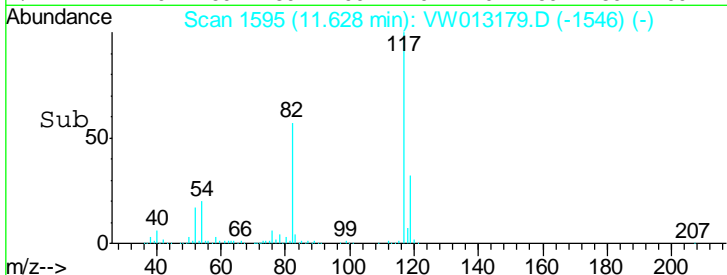
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

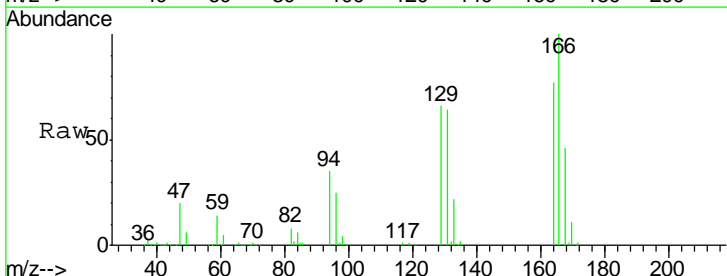


Tgt Ion	Resp	Lower	Upper
117	100		
82	56.6	45.9	68.9
119	32.3	26.2	39.2

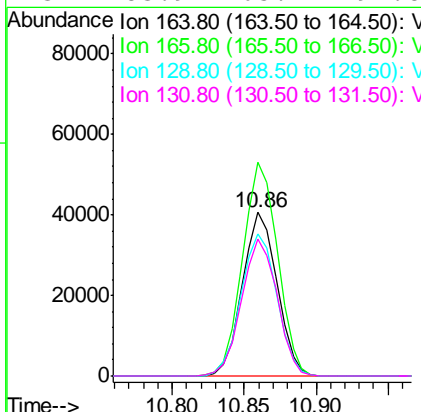
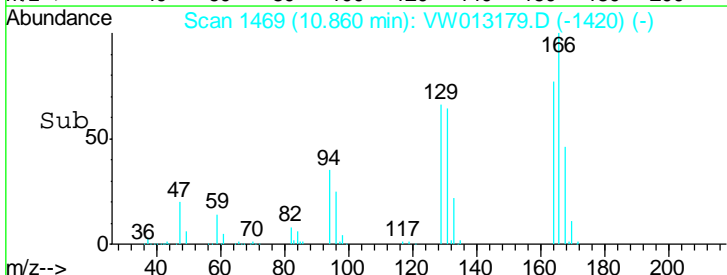
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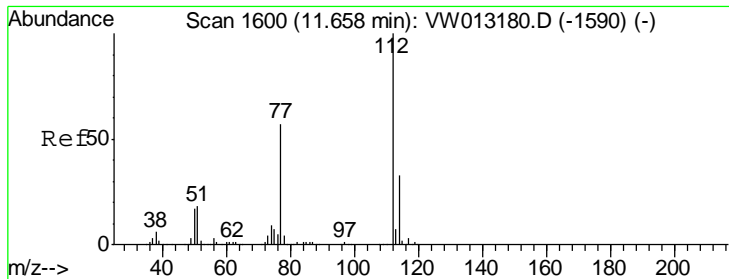


#64
 Tetrachloroethene
 Concen: 22.941 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35



Tgt Ion	Resp	Lower	Upper
164	100		
166	130.7	101.2	151.8
129	86.6	68.8	103.2
131	83.9	65.2	97.8





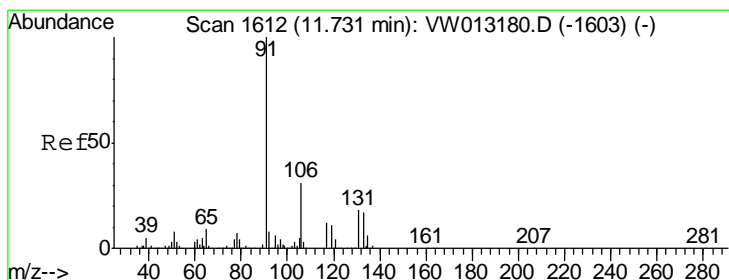
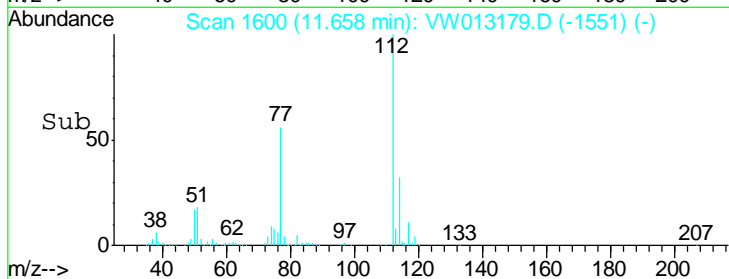
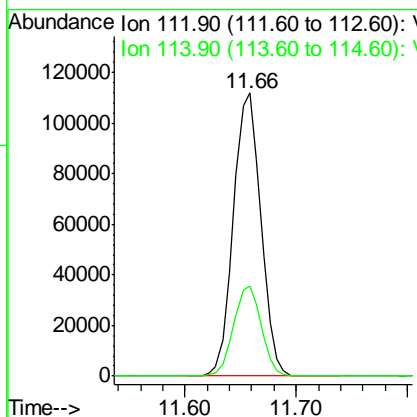
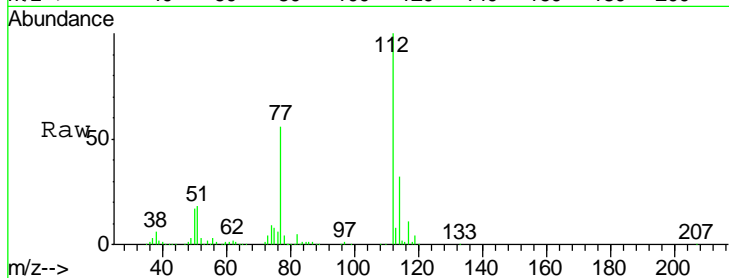
#65
 Chlorobenzene
 Concen: 22.041 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
112	191155		
114	31.9	26.5	39.7

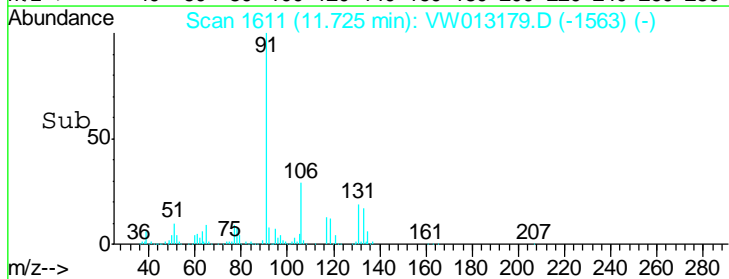
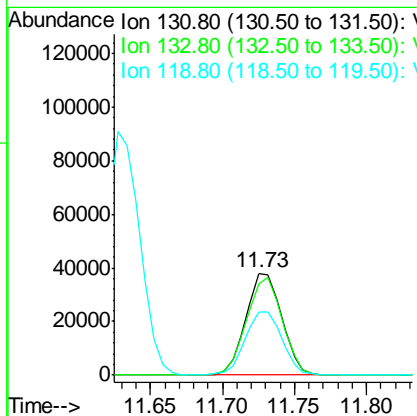
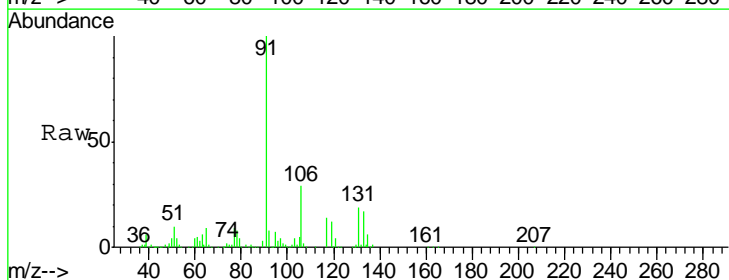
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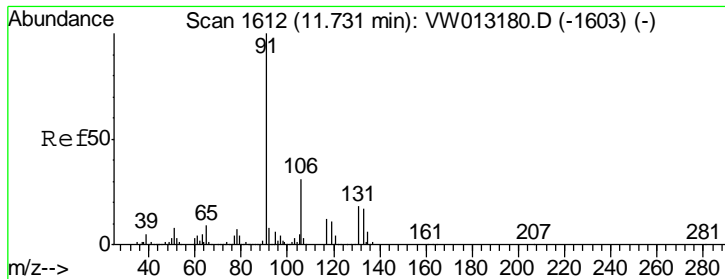
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 20.072 ug/l
 RT: 11.73 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
131	65363		
133	96.0	47.5	142.6
119	63.8	32.5	97.5





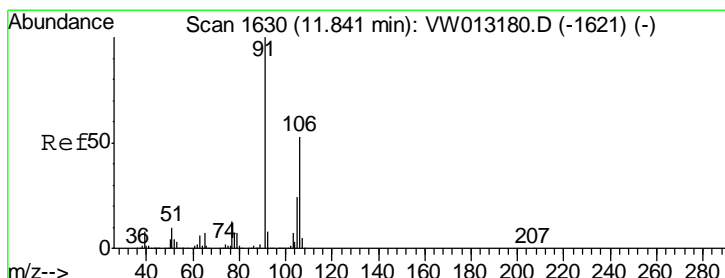
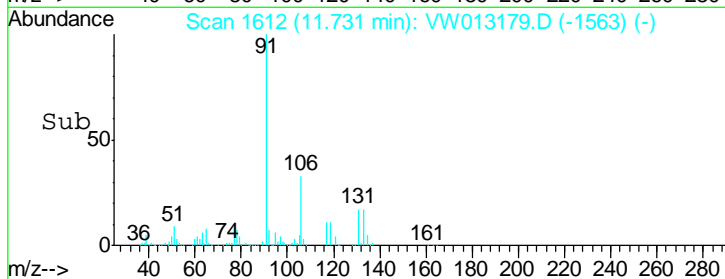
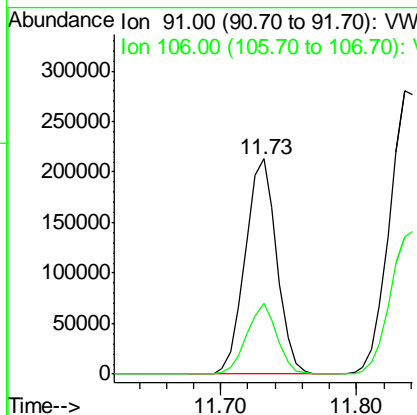
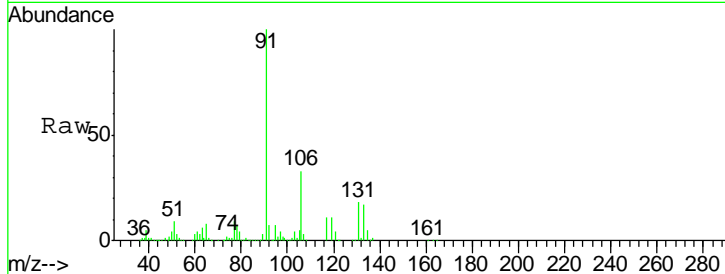
#67
 Ethyl Benzene
 Concen: 21.656 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
106	33.0	24.9	37.3

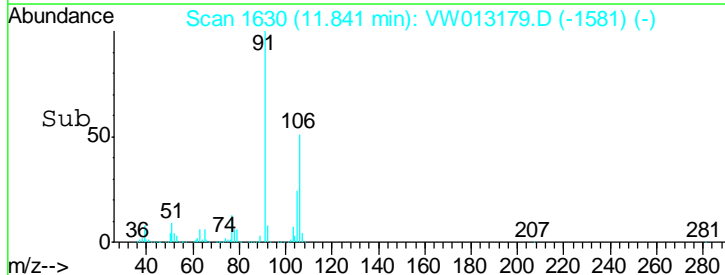
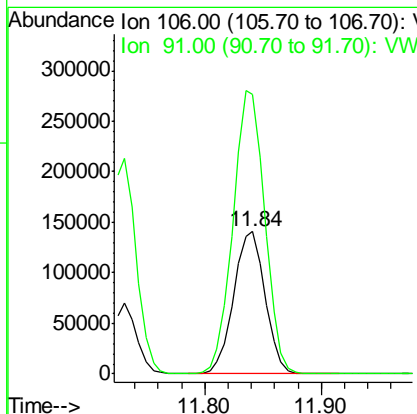
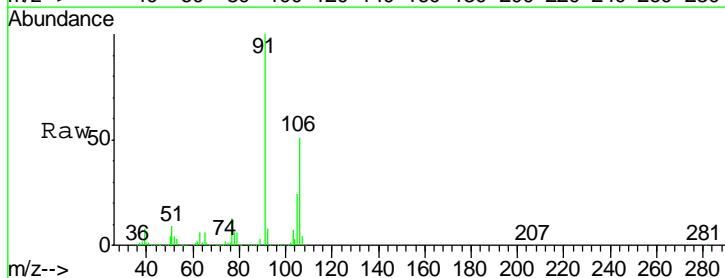
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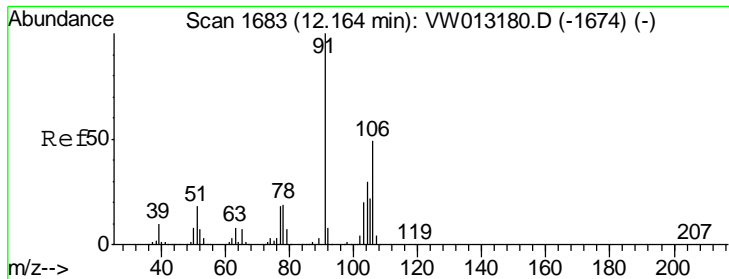
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#68
 m/p-Xylenes
 Concen: 45.023 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.6	157.9	236.9





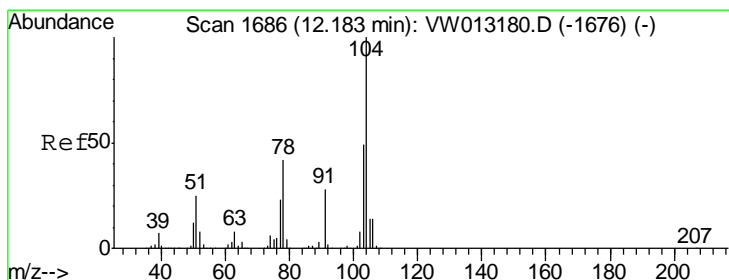
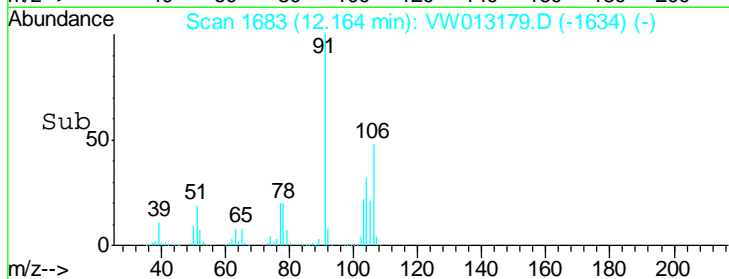
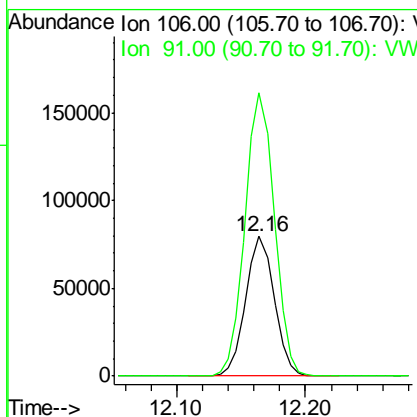
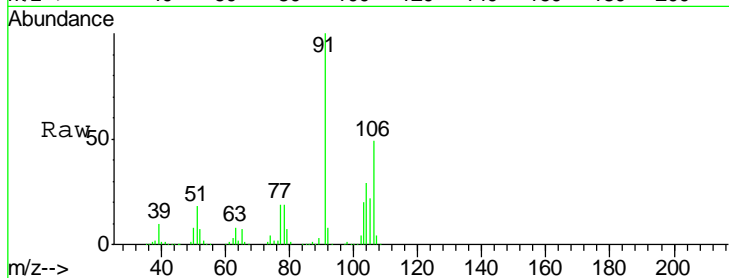
#69
 o-Xylene
 Concen: 22.204 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
106	122053		
106	100		
91	208.0	106.5	319.5

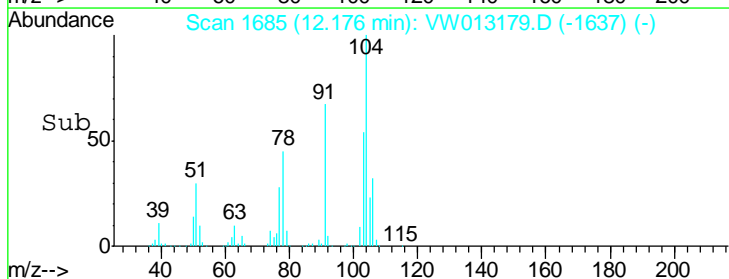
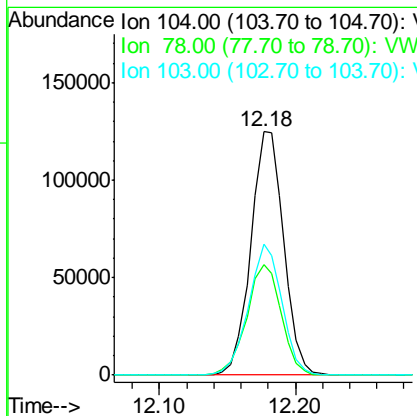
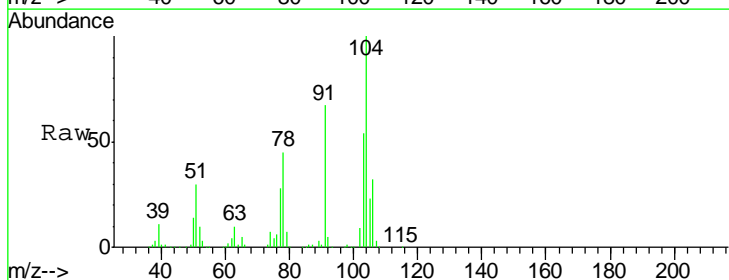
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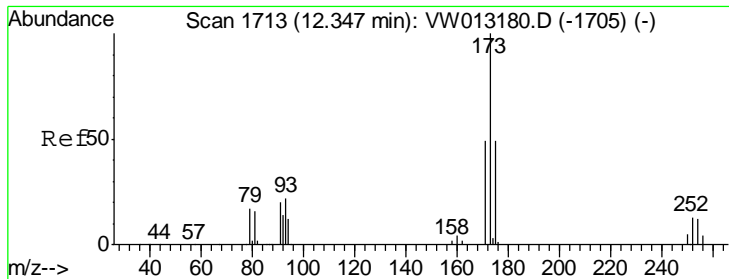
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#70
 Styrene
 Concen: 21.700 ug/l
 RT: 12.18 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
104	211379		
104	100		
78	47.9	38.4	57.6
103	54.8	43.3	64.9





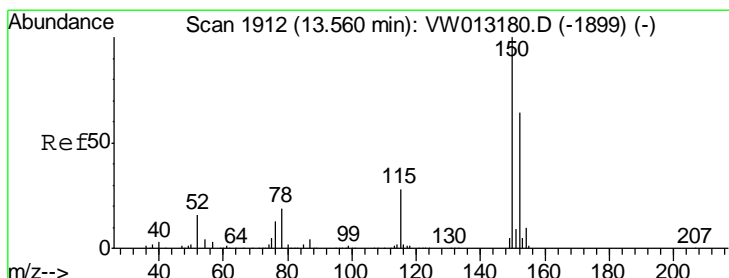
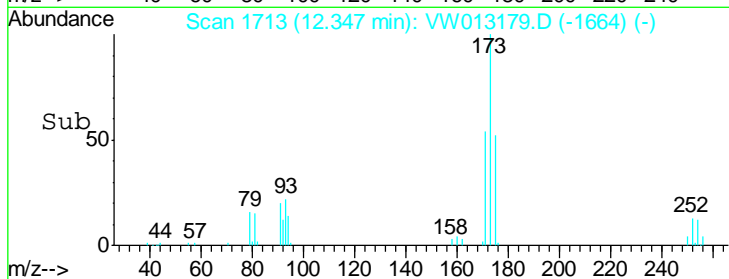
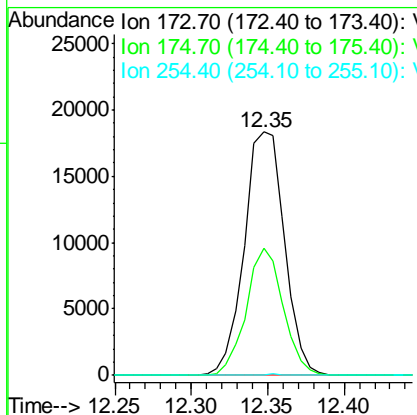
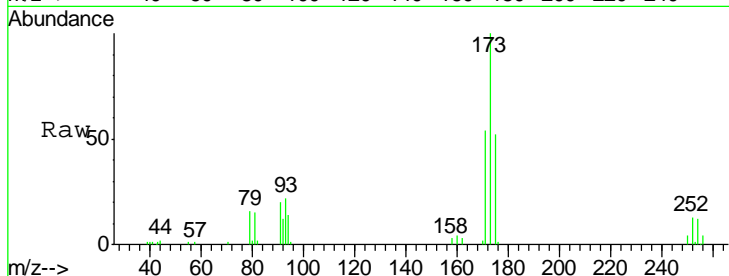
#71
 Bromoform
 Concen: 19.735 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
173	33576		
173	100		
175	47.8	24.3	73.0
254	0.2	0.1	0.1#

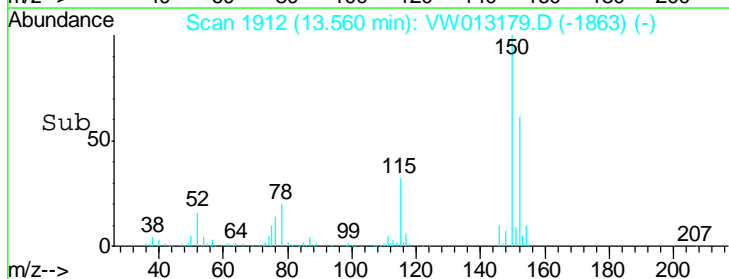
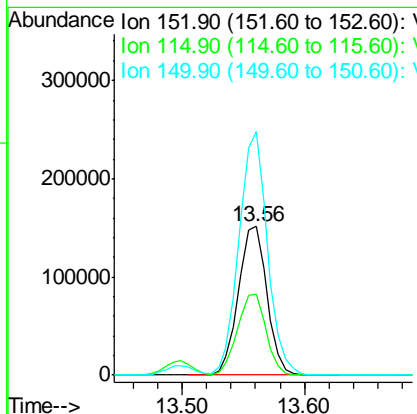
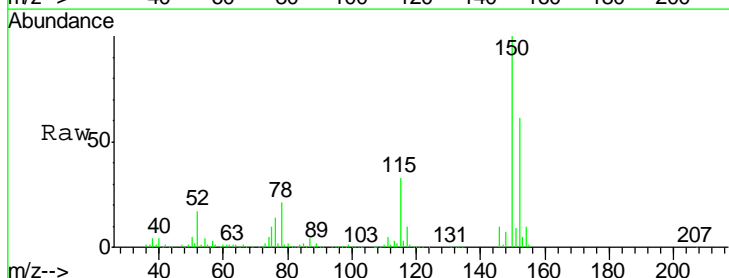
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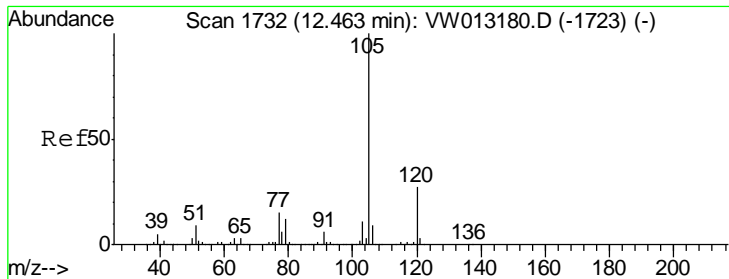
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
152	243609		
152	100		
115	54.7	27.3	81.9
150	163.7	0.0	349.0





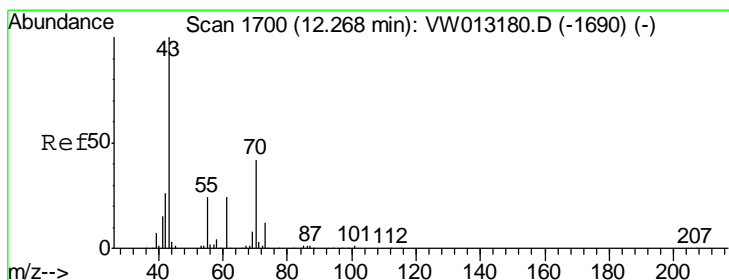
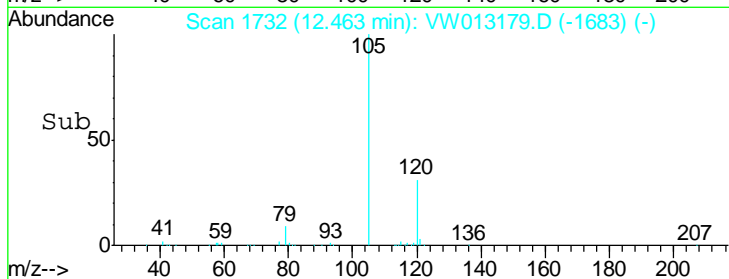
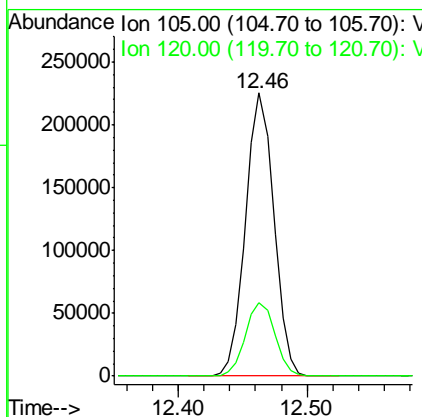
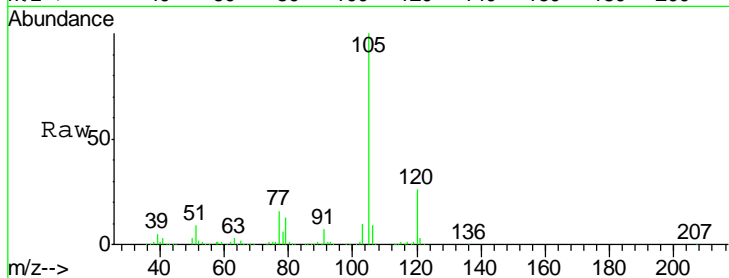
#73
 Isopropylbenzene
 Concen: 20.870 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	342371		
120	27.1	13.4	40.1

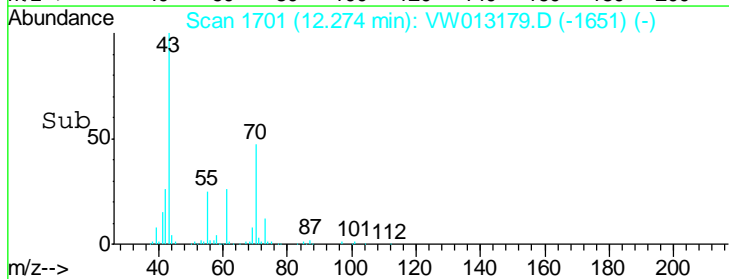
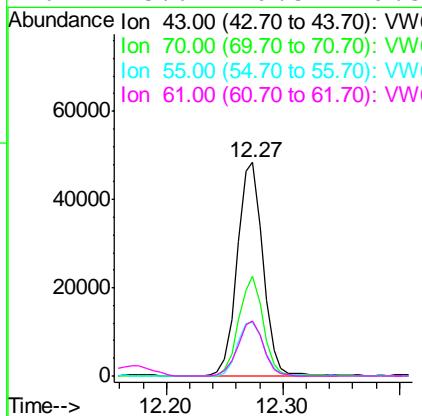
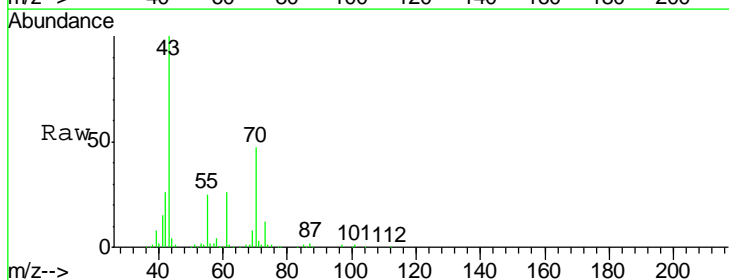
Manual Integrations
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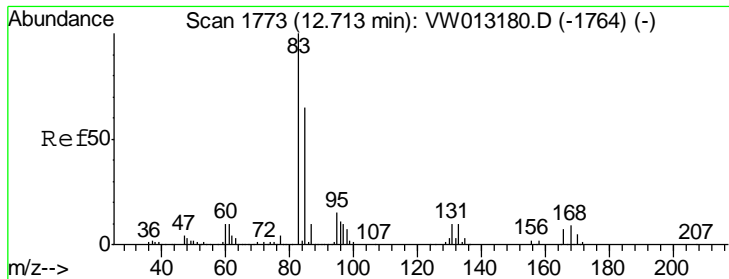
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 9/24/2019 5:28:43 AM



#74
 N-aryl acetate
 Concen: 18.194 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
43	74826		
70	44.4	35.1	52.7
55	26.3	19.9	29.9
61	25.6	19.5	29.3





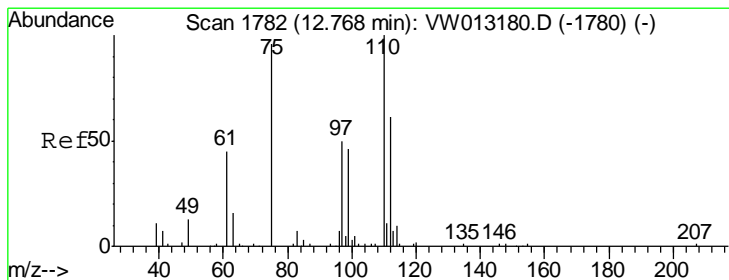
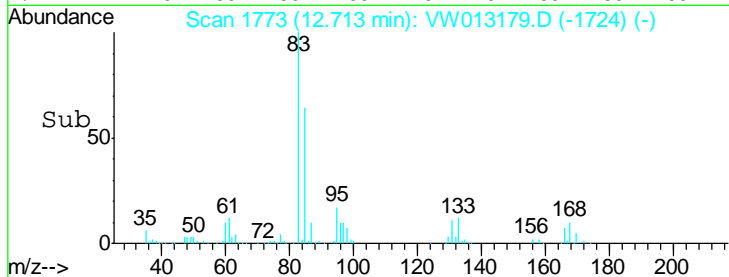
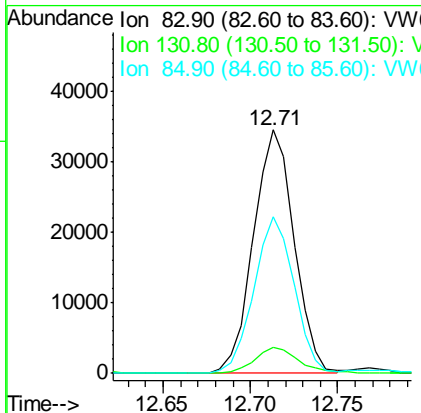
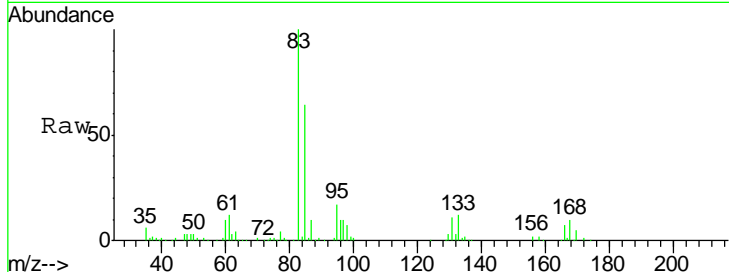
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.751 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	56005		
83	100		
131	11.3	5.4	16.2
85	63.5	31.9	95.9

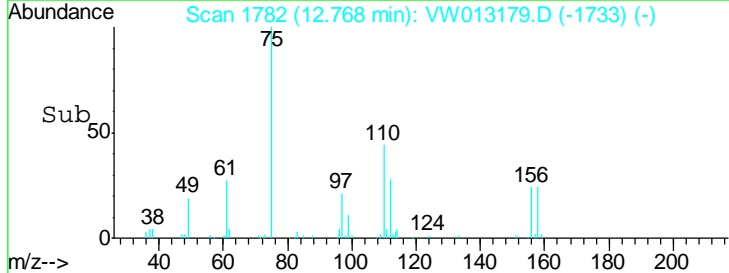
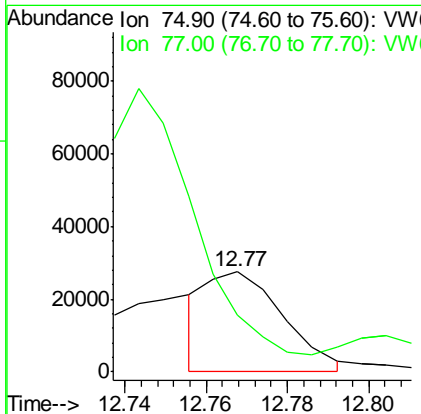
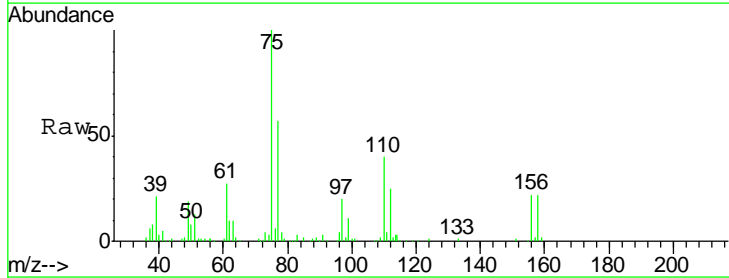
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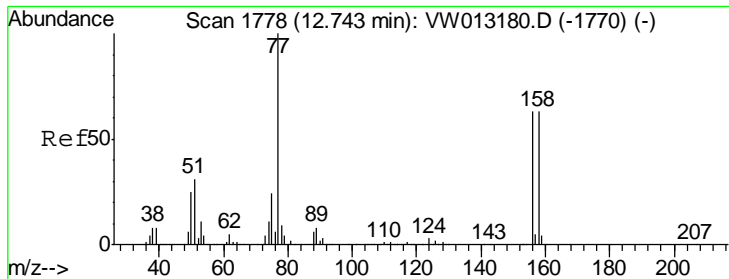
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#76
 1,2,3-Trichloropropane
 Concen: 17.015 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
75	36160		
75	100		
77	0.0	0.0	0.0





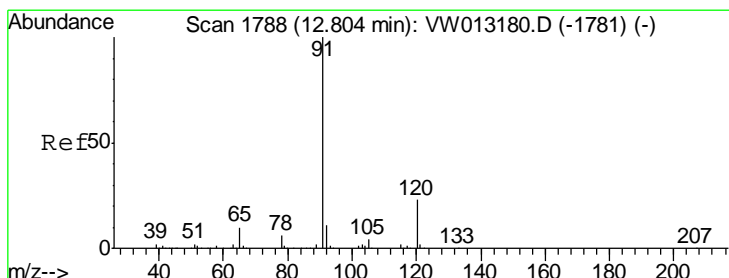
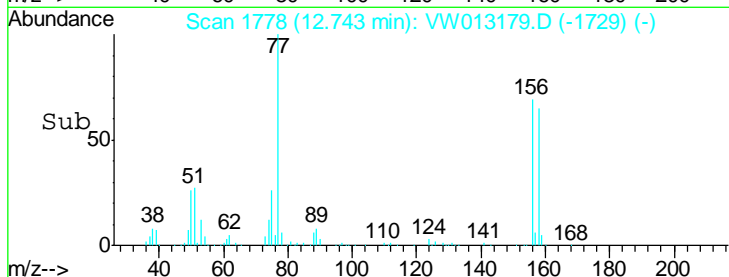
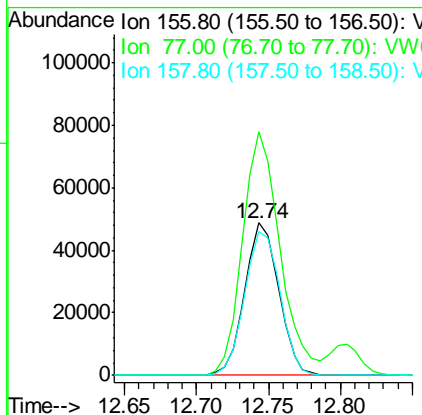
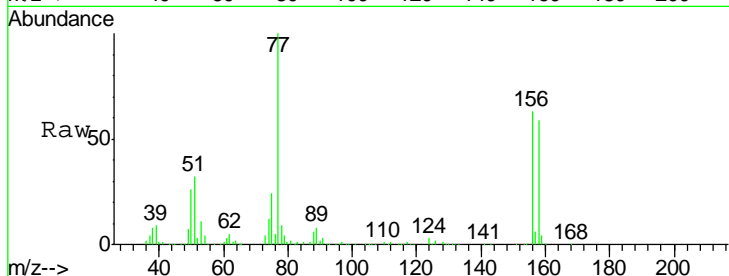
#77
 Bromobenzene
 Concen: 20.904 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	100		
77	177.1	85.7	257.1
158	98.1	48.1	144.4

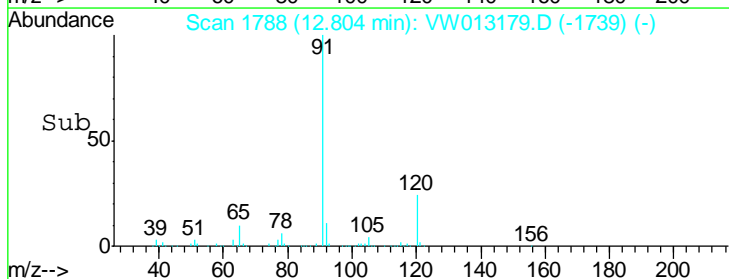
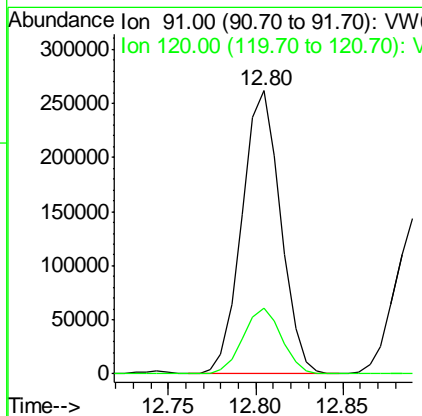
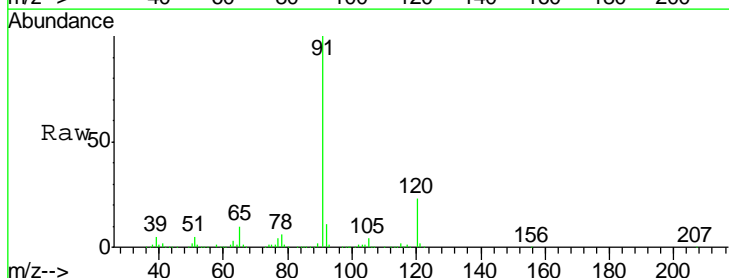
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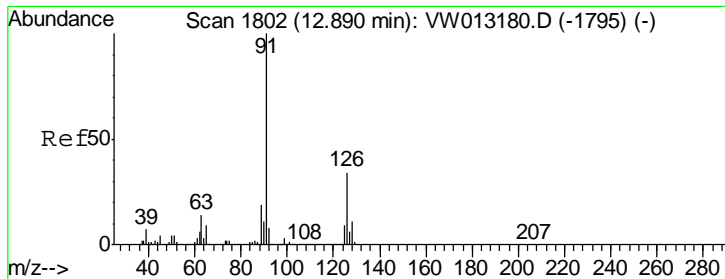
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#78
 n-propylbenzene
 Concen: 20.839 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.2	11.7	35.1





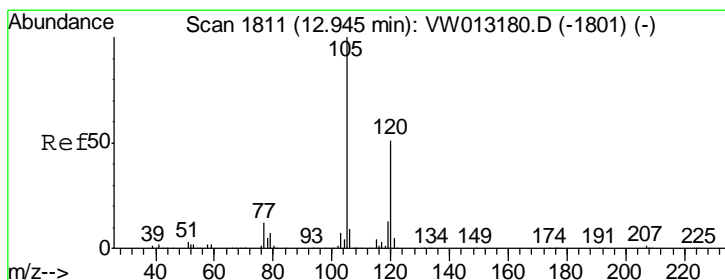
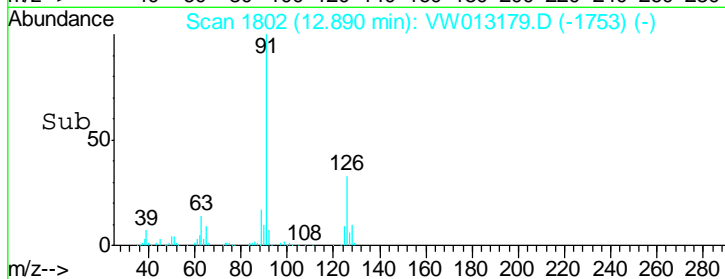
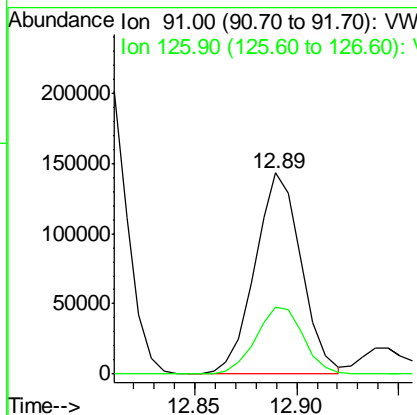
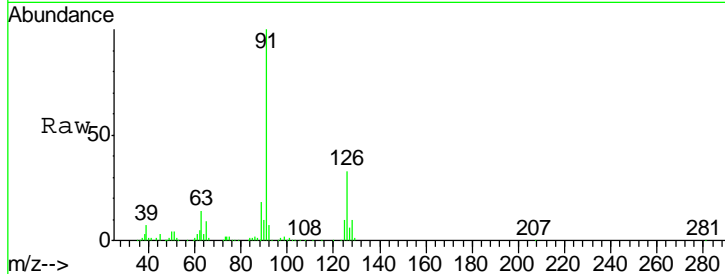
#79
 2-Chlorotoluene
 Concen: 20.428 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.4	17.2	51.5

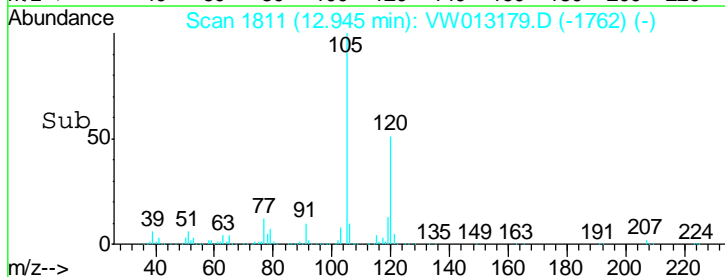
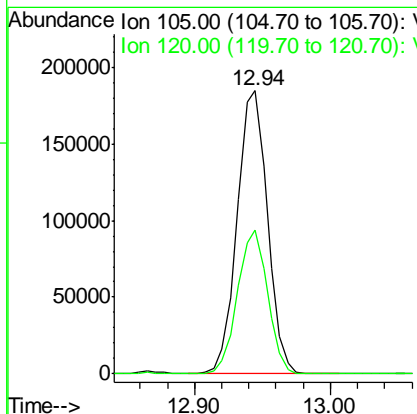
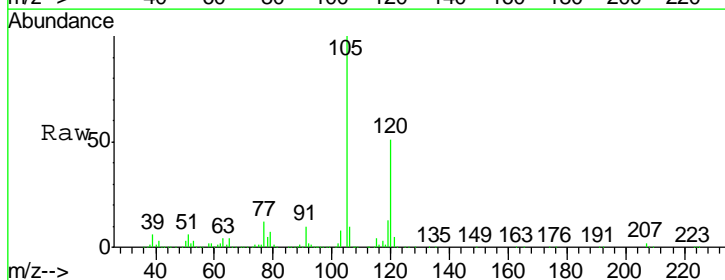
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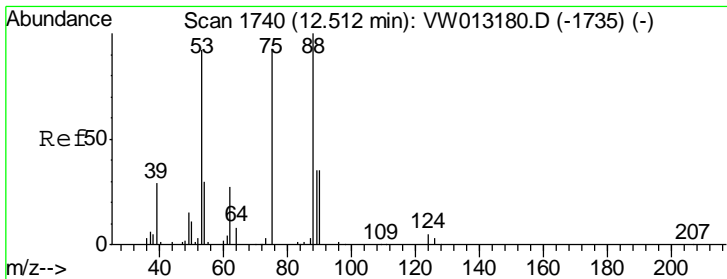
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.670 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.5	24.9	74.8





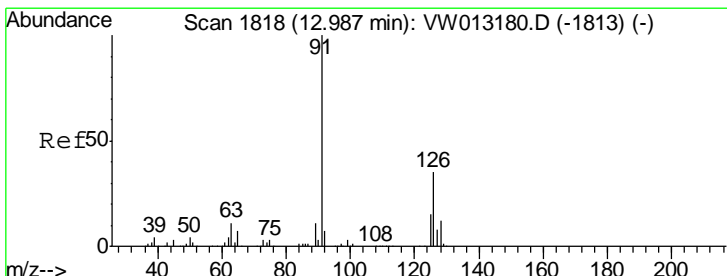
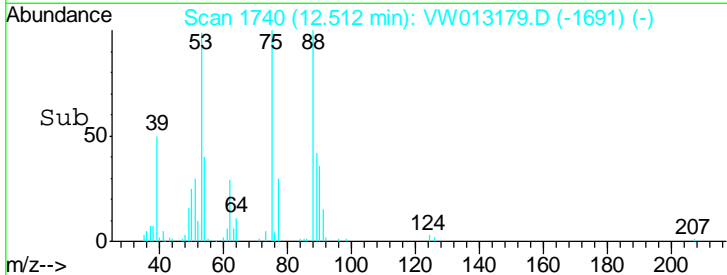
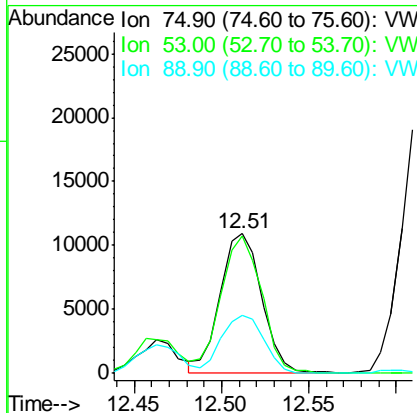
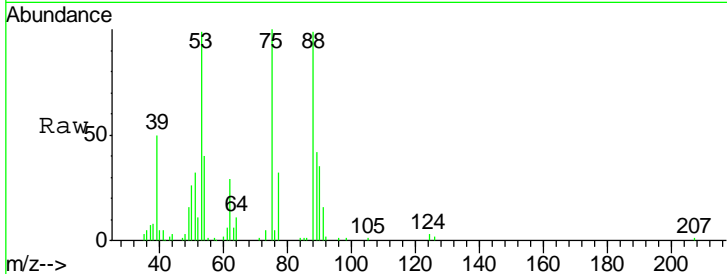
#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.282 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	18109		
75	100		
53	96.6	76.6	114.8
89	41.8	33.5	50.3

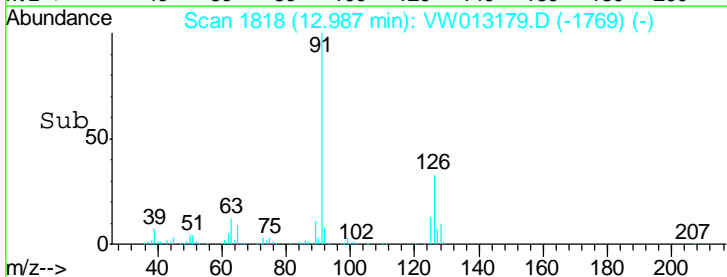
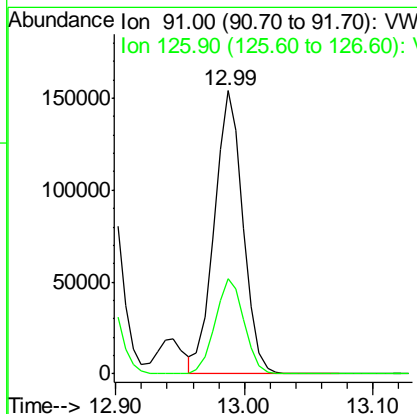
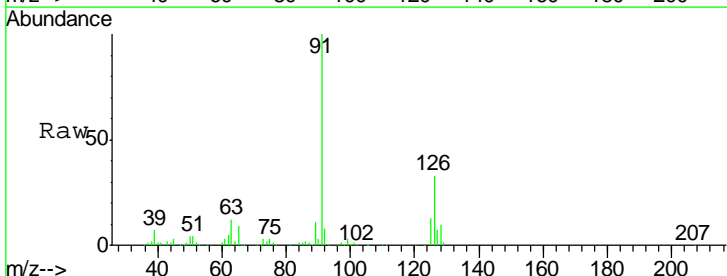
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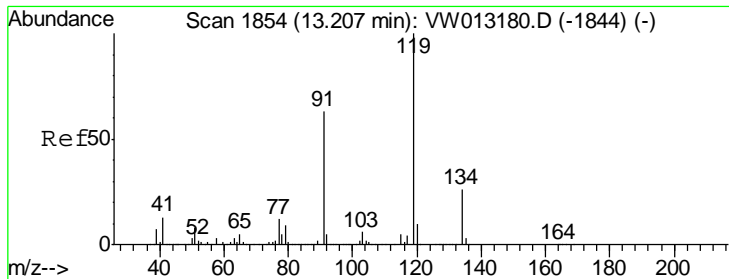
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#82
 4-Chlorotoluene
 Concen: 20.697 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
91	239977		
91	100		
126	34.0	17.3	51.7





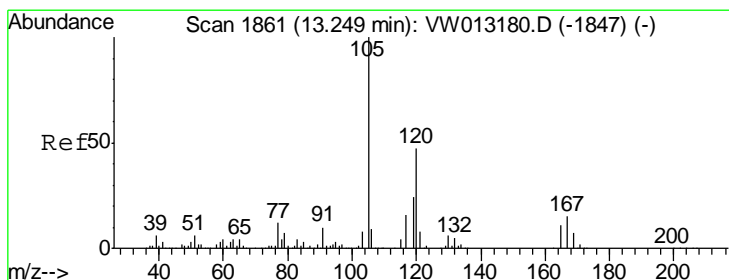
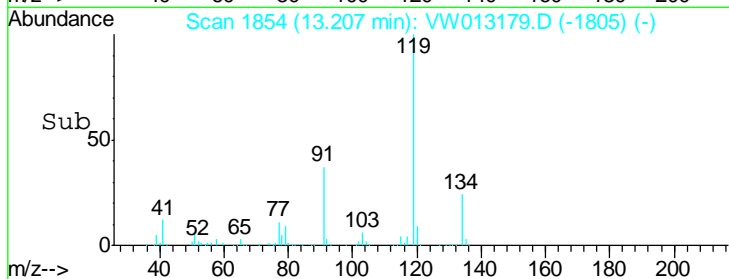
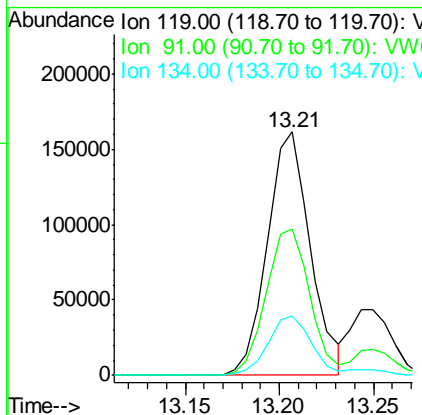
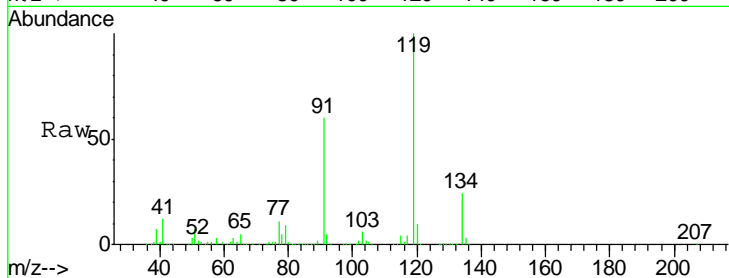
#83
 tert-Butylbenzene
 Concen: 20.659 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
119	255592		
91	61.4	30.7	92.1
134	26.6	12.6	37.6

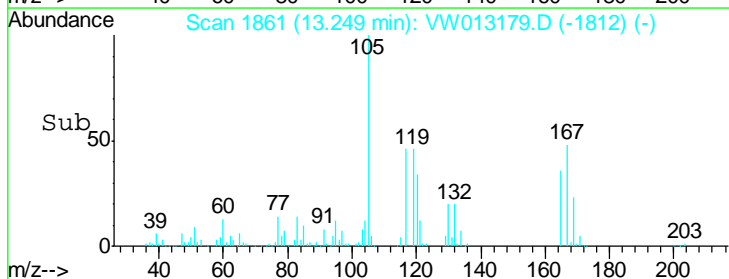
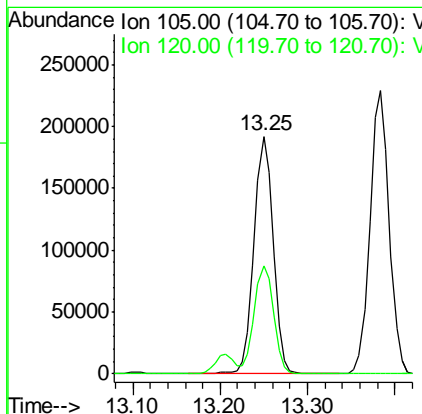
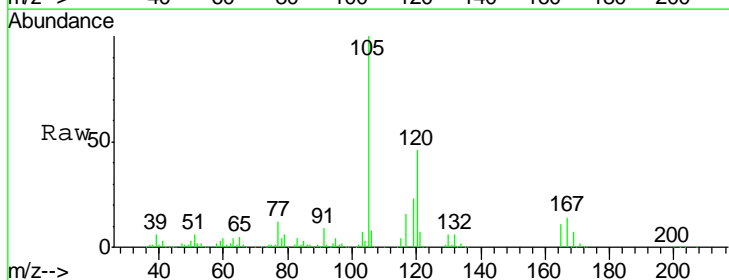
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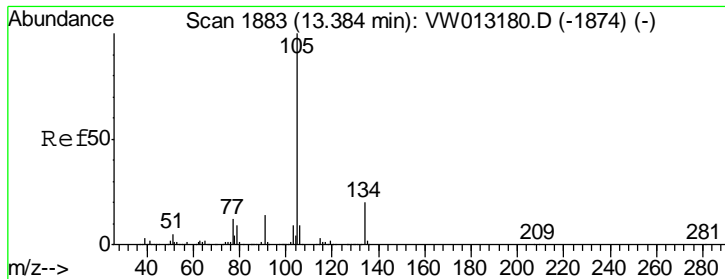
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.256 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
105	291721		
120	45.9	23.4	70.3





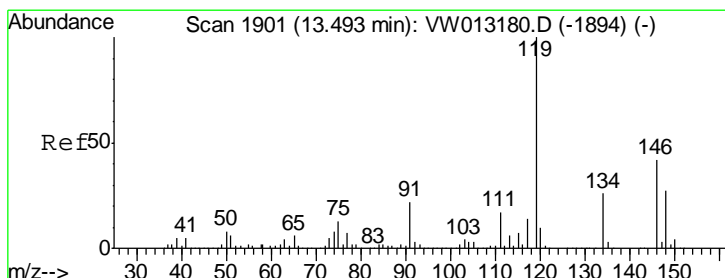
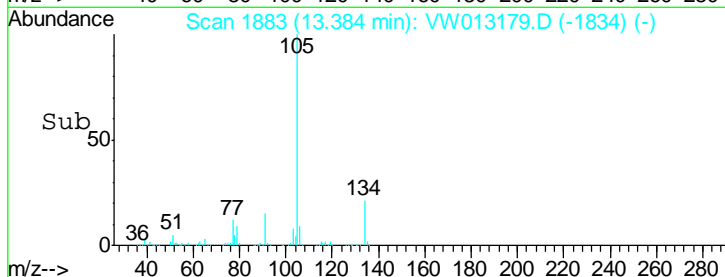
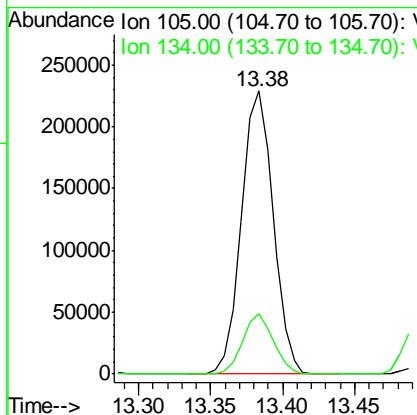
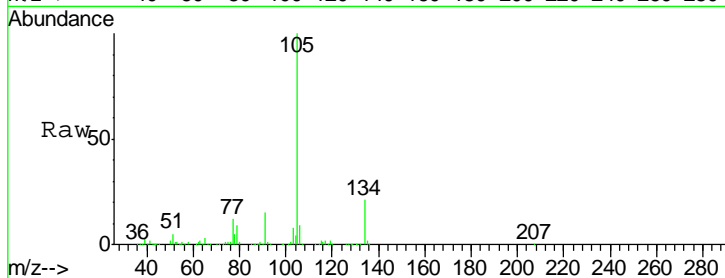
#85
 sec-Butylbenzene
 Concen: 20.681 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	349690		
134	20.5	10.3	30.8

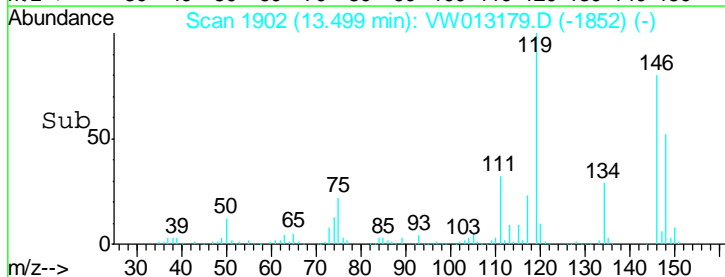
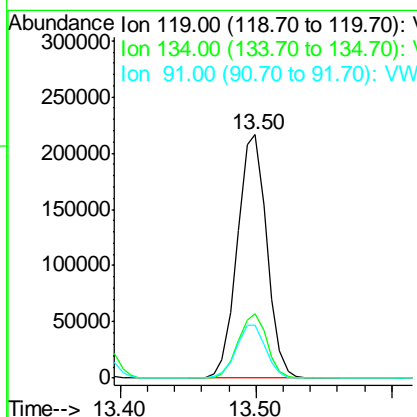
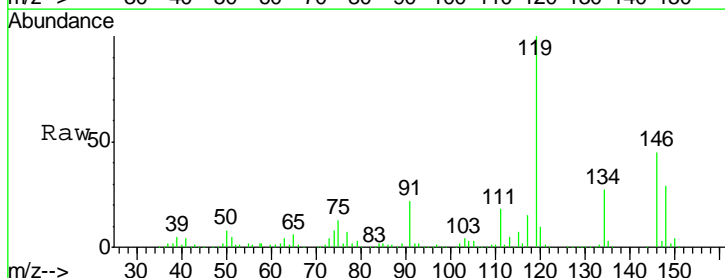
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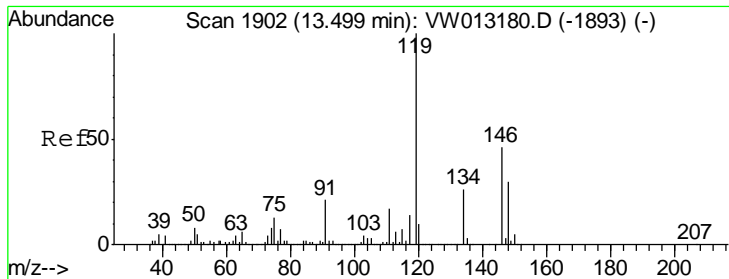
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#86
 p-Isopropyltoluene
 Concen: 20.916 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
119	325198		
134	26.2	13.3	39.8
91	22.0	10.8	32.4



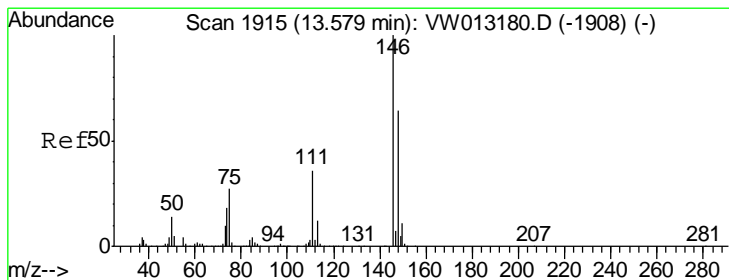
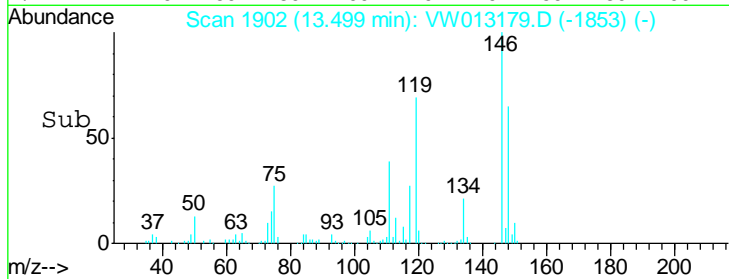
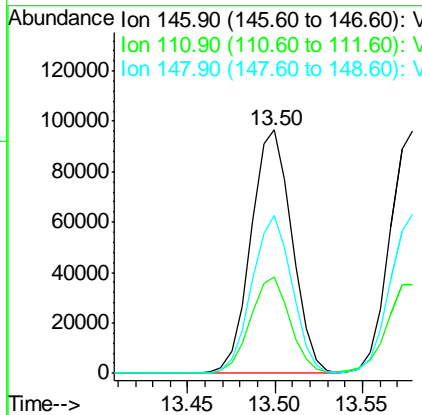
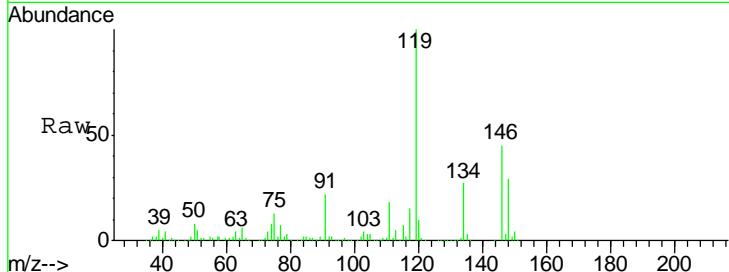


#87
 1,3-Dichlorobenzene
 Concen: 20.941 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

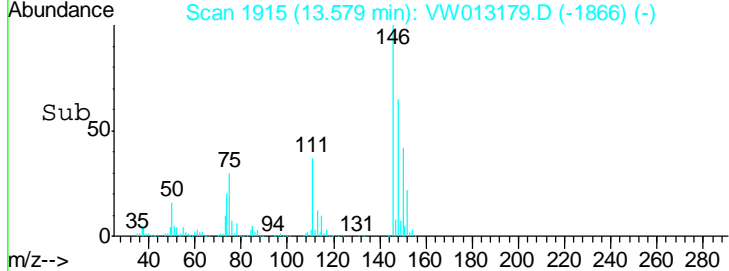
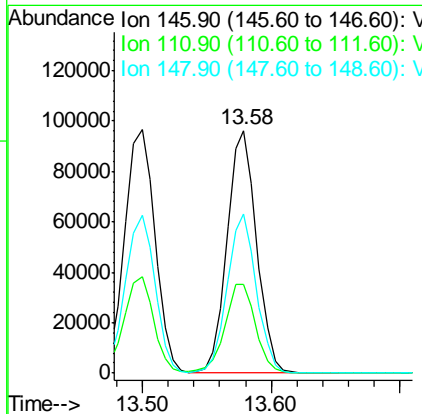
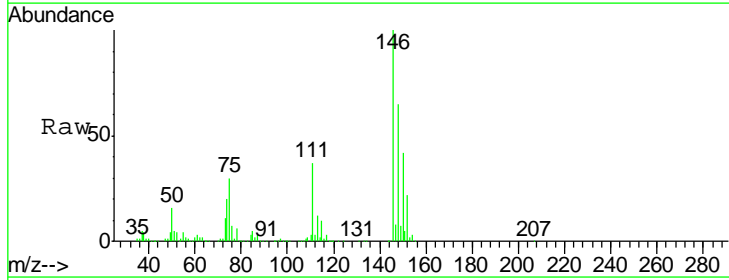
Tgt Ion	Resp	Lower	Upper
146	157148		
146	100		
111	38.6	18.9	56.9
148	63.6	31.9	95.5

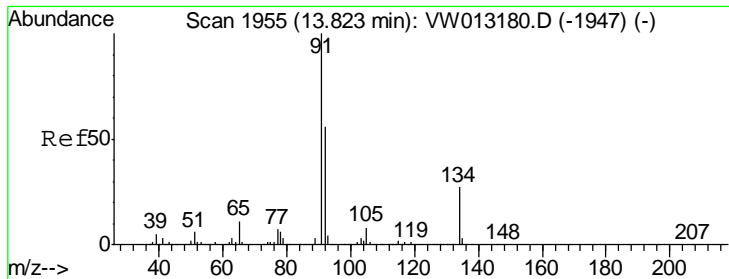
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#88
 1,4-Dichlorobenzene
 Concen: 20.937 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
146	154029		
146	100		
111	38.5	18.4	55.0
148	64.8	32.1	96.3





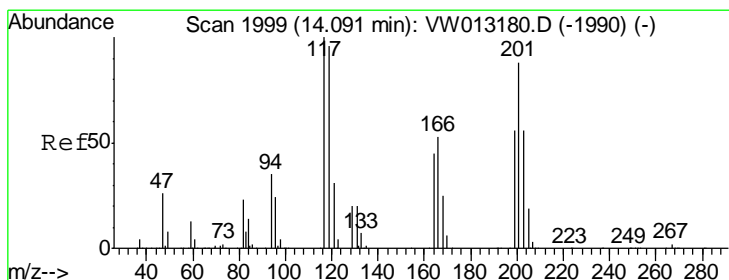
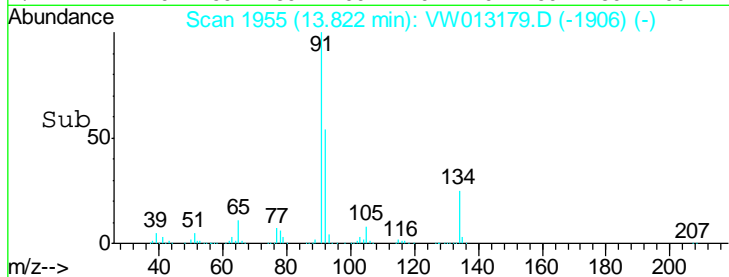
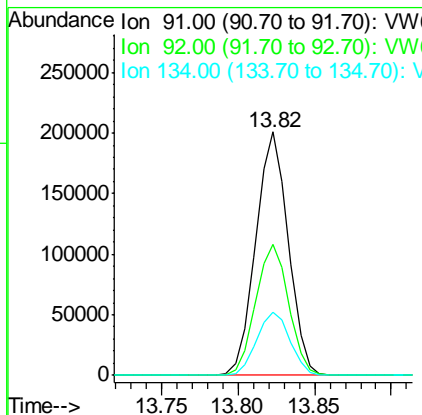
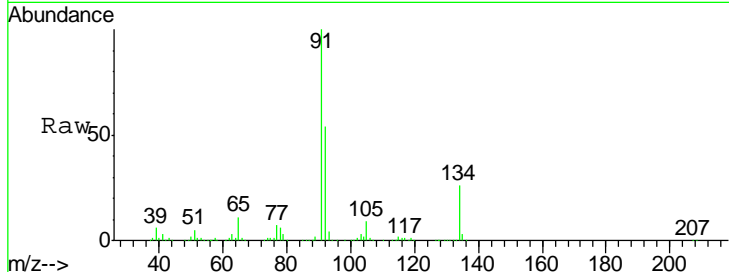
#89
 n-Butylbenzene
 Concen: 20.403 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	26.8	13.7	41.1

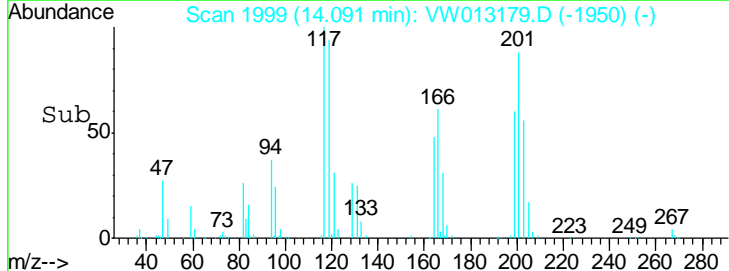
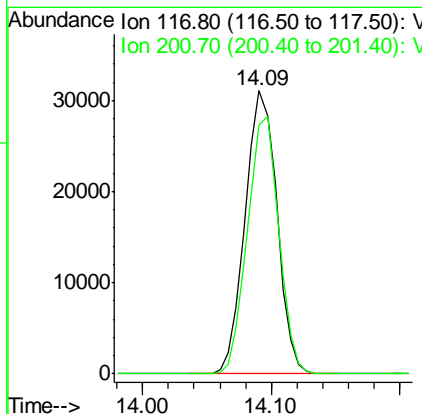
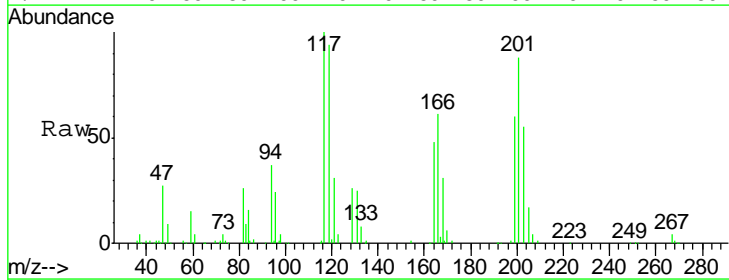
Manual Integrations
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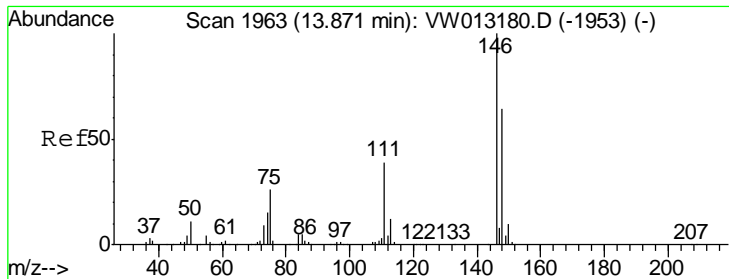
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#90
 Hexachloroethane
 Concen: 19.181 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
117	100		
201	89.5	44.5	133.5





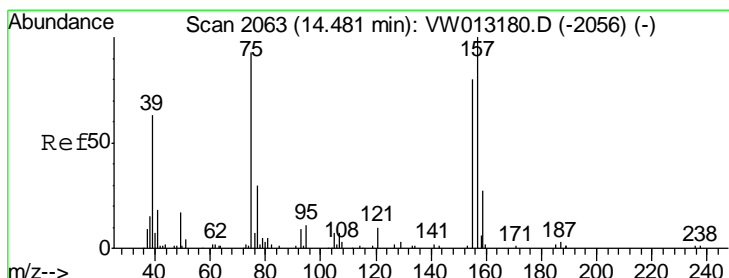
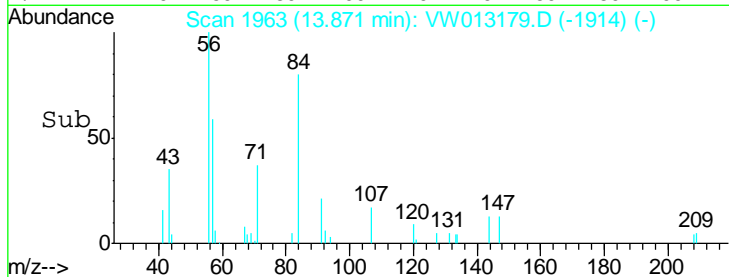
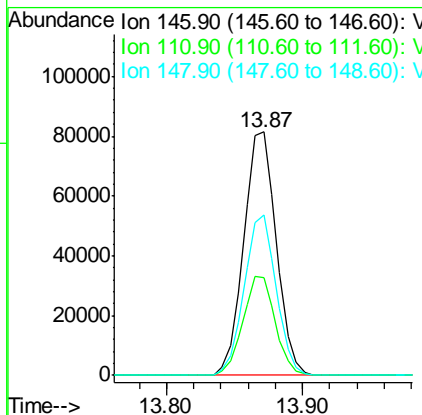
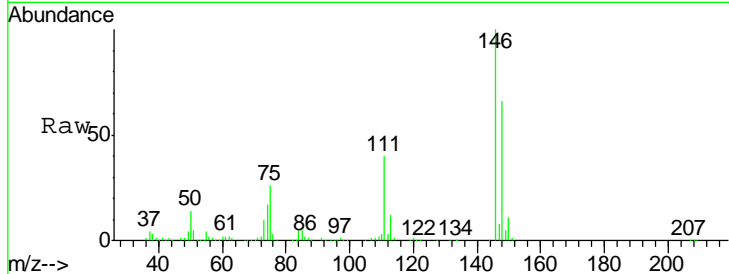
#91
 1,2-Dichlorobenzene
 Concen: 20.719 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	136372		
111	40.5	20.1	60.3
148	64.7	32.0	96.0

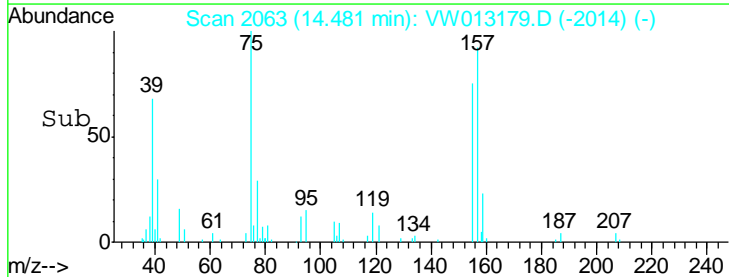
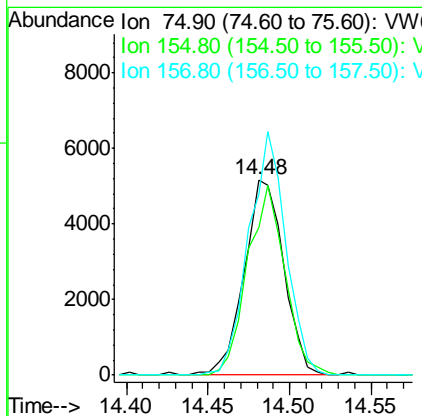
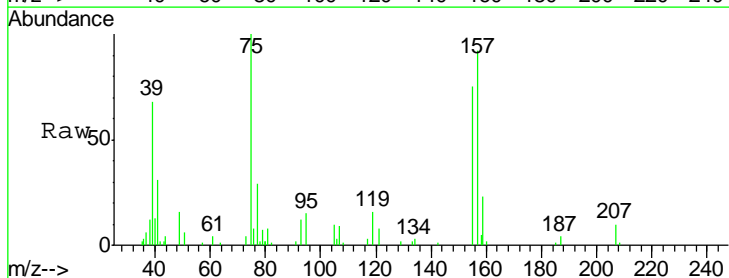
Manual Integrations APPROVED

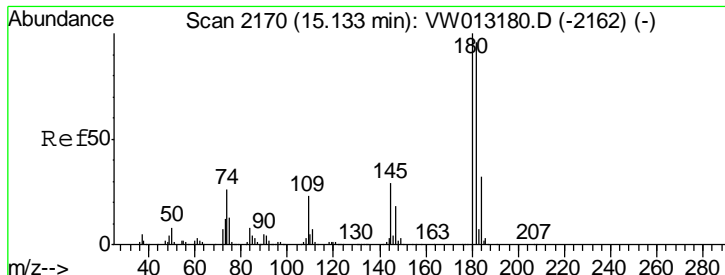
MMDadoda
 9/24/2019 5:28:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.212 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
75	8779		
155	91.3	46.1	138.3
157	115.8	60.4	181.2





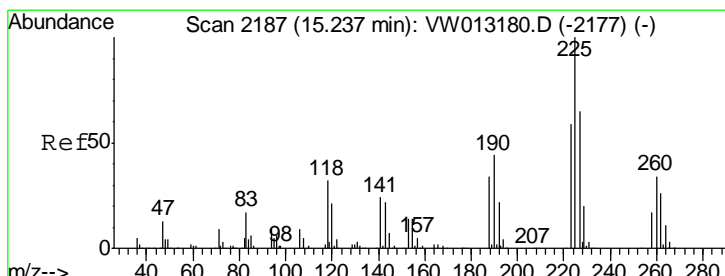
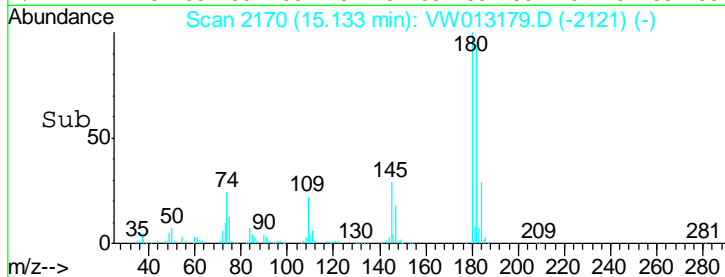
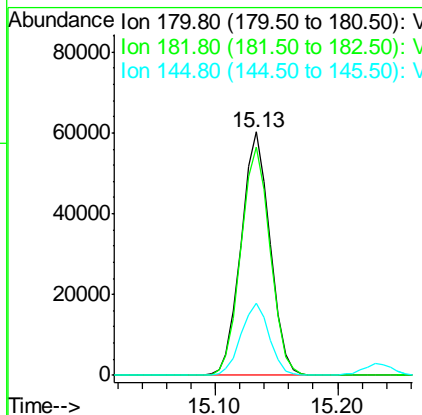
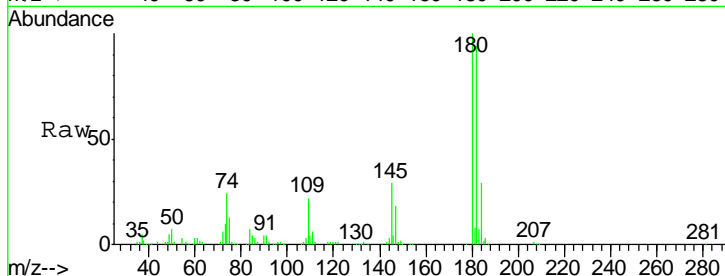
#93
 1,2,4-Trichlorobenzene
 Concen: 20.943 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	28.9	14.2	42.8

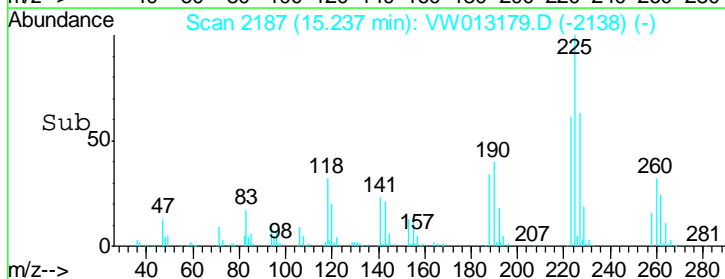
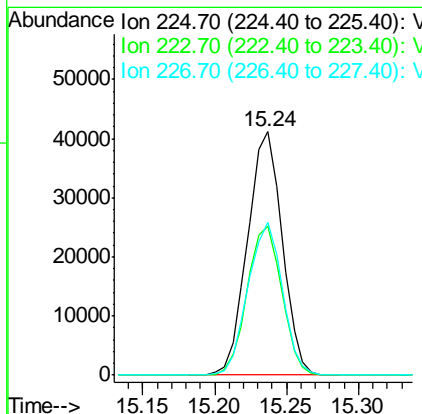
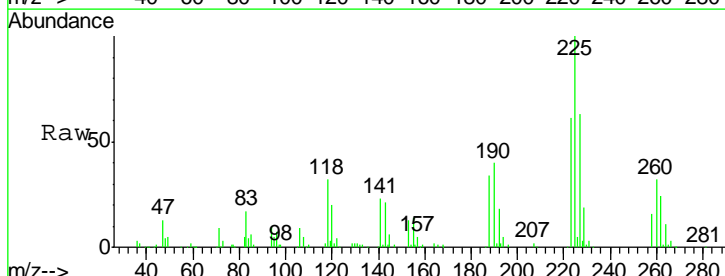
Manual Integrations
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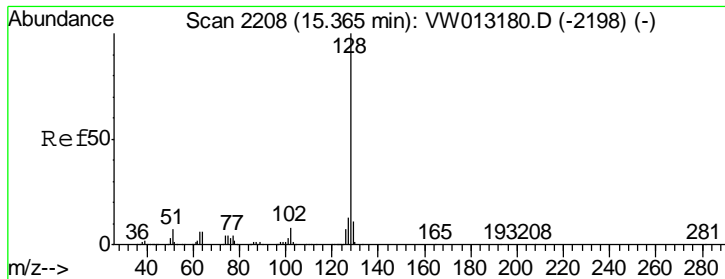
MMDadoda
 9/24/2019 5:28:43 AM



#94
 Hexachlorobutadiene
 Concen: 20.602 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Resp	Lower	Upper
225	100		
223	61.2	30.6	91.8
227	62.3	31.9	95.9





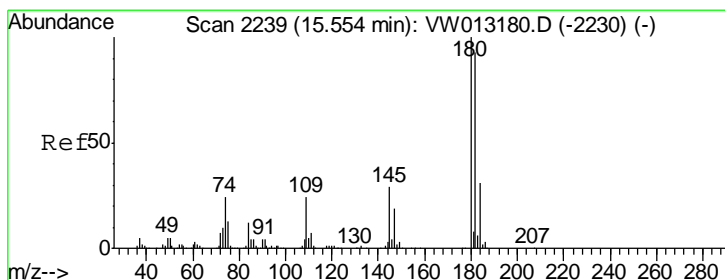
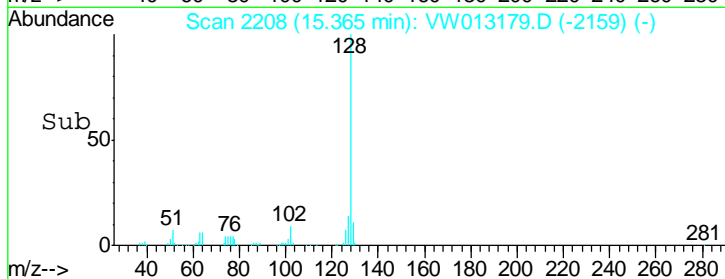
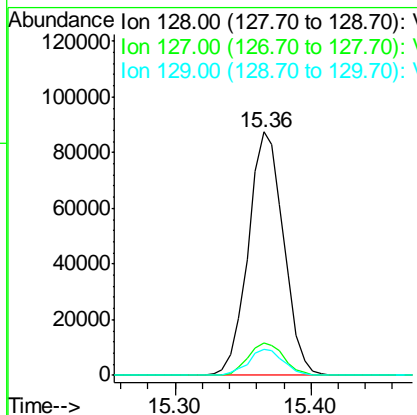
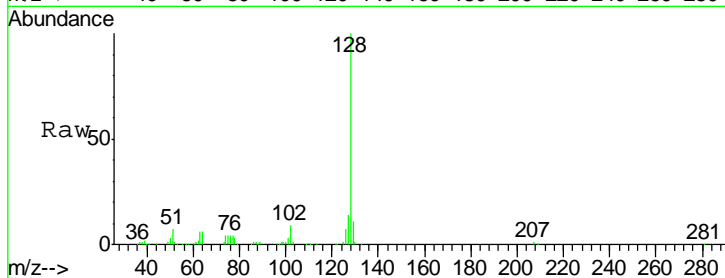
#95
 Naphthalene
 Concen: 20.419 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
128	159217		
127	13.5	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
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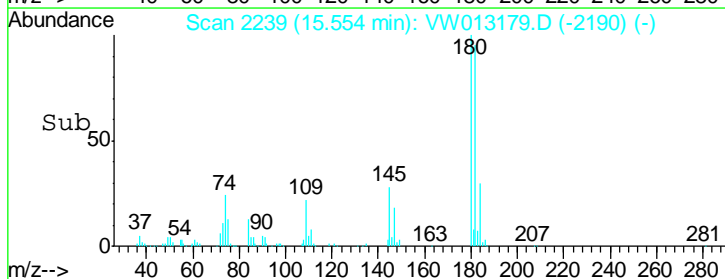
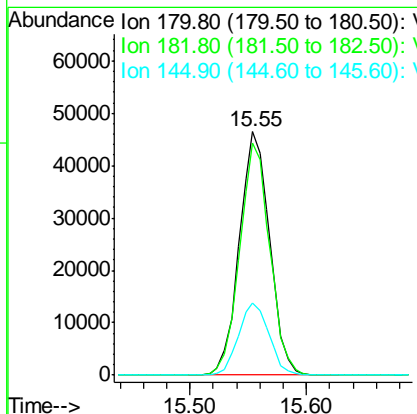
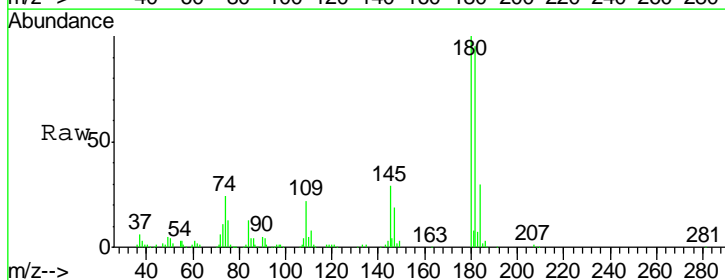
MMDadoda
 9/24/2019 5:28:43 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 20.251 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument : MSVOA_W
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	83920		
182	95.0	47.9	143.7
145	29.9	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013180.D
 Acq On : 20 Sep 2019 14:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Manual Integrations
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MMDadoda
 9/24/2019 5:28:45 AM

Quant Time: Sep 20 15:15:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	361138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	520196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	449633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147978	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	= 91.08%		
35) Dibromofluoromethane	7.88	113	144153	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	= 102.50%		
50) Toluene-d8	10.32	98	611038	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	= 110.18%		
62) 4-Bromofluorobenzene	12.62	95	206285	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	= 103.88%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	97132	59.419	ug/l	100
3) Chloromethane	2.21	50	122019	58.572	ug/l	100
4) Vinyl Chloride	2.36	62	163342	59.990	ug/l	100
5) Bromomethane	2.77	94	106919	63.293	ug/l	100
6) Chloroethane	2.92	64	100050	60.226	ug/l	100
7) Trichlorofluoromethane	3.25	101	97301	53.264	ug/l	100
8) Diethyl Ether	3.68	74	84350	57.777	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	159657	56.554	ug/l	100
10) Methyl Iodide	4.27	142	251156	68.042	ug/l	100
11) Tert butyl alcohol	5.18	59	47925	189.488	ug/l	100
12) 1,1-Dichloroethene	4.04	96	164693	62.586	ug/l	100
13) Acrolein	3.89	56	44811	195.610	ug/l	100
14) Allyl chloride	4.66	41	267502	55.436	ug/l	100
15) Acrylonitrile	5.37	53	179063	249.124	ug/l	100
16) Acetone	4.13	43	157066	205.247	ug/l	100
17) Carbon Disulfide	4.38	76	486110	83.904	ug/l	100
18) Methyl Acetate	4.67	43	86806	45.933	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	257586	52.193	ug/l	100
20) Methylene Chloride	4.91	84	174000	53.671	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	181754	64.290	ug/l	100
22) Diisopropyl ether	6.31	45	516921	52.372	ug/l	100
23) Vinyl Acetate	6.25	43	1520107	259.009	ug/l	100
24) 1,1-Dichloroethane	6.21	63	306262	53.270	ug/l	100
25) 2-Butanone	7.17	43	232476	223.844	ug/l	100
26) 2,2-Dichloropropane	7.17	77	191212	47.647	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	193203	58.392	ug/l	100
28) Bromochloromethane	7.51	49	127190	52.810	ug/l	100
29) Tetrahydrofuran	7.52	42	147556	246.036	ug/l	100
30) Chloroform	7.67	83	291463	50.484	ug/l	100
31) Cyclohexane	7.95	56	304353	59.615	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	242775	50.979	ug/l	100
36) 1,1-Dichloropropene	8.08	75	248226	57.873	ug/l	100
37) Ethyl Acetate	7.25	43	103050	47.224	ug/l	100
38) Carbon Tetrachloride	8.07	117	228125	53.062	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013180.D
 Acq On : 20 Sep 2019 14:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Manual Integrations
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 9/24/2019 5:28:45 AM

Quant Time: Sep 20 15:15:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	327630	67.008	ug/l	100
40) Benzene	8.32	78	701356	58.572	ug/l	100
41) Methacrylonitrile	7.48	41	63836	44.896	ug/l	100
42) 1,2-Dichloroethane	8.40	62	188597	48.859	ug/l	100
43) Isopropyl Acetate	8.42	43	200504	48.007	ug/l	100
44) Trichloroethene	9.09	130	195795	59.294	ug/l	100
45) 1,2-Dichloropropane	9.37	63	171000	54.748	ug/l	100
46) Dibromomethane	9.46	93	82726	55.150	ug/l	100
47) Bromodichloromethane	9.64	83	214485	51.860	ug/l	100
48) Methyl methacrylate	9.43	41	94725	48.218	ug/l	100
49) 1,4-Dioxane	9.46	88	21640	900.571	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	504105	234.766	ug/l	100
52) Toluene	10.38	92	452247	59.379	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	223058	53.337	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	266998	55.296	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	122566	53.817	ug/l	100
56) Ethyl methacrylate	10.64	69	166300	54.572	ug/l	100
57) 1,3-Dichloropropane	10.93	76	217807	54.058	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	398369	247.108	ug/l	100
59) 2-Hexanone	10.97	43	348096	234.044	ug/l	100
60) Dibromochloromethane	11.13	129	143304	52.683	ug/l	100
61) 1,2-Dibromoethane	11.24	107	115901	55.611	ug/l	100
64) Tetrachloroethene	10.86	164	169418	60.631	ug/l	100
65) Chlorobenzene	11.66	112	462770	56.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	162397	52.650	ug/l	100
67) Ethyl Benzene	11.73	91	863830	57.157	ug/l	100
68) m/p-Xylenes	11.84	106	661836	118.835	ug/l	100
69) o-Xylene	12.16	106	304359	58.457	ug/l	100
70) Styrene	12.18	104	533121	57.781	ug/l	100
71) Bromoform	12.35	173	85046	52.774	ug/l	100
73) Isopropylbenzene	12.46	105	849080	55.684	ug/l	100
74) N-amyl acetate	12.27	43	188910	49.417	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	136902	51.941	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	105785m	53.551	ug/l	
77) Bromobenzene	12.74	156	204059	57.443	ug/l	100
78) n-propylbenzene	12.80	91	1001450	55.869	ug/l	100
79) 2-Chlorotoluene	12.89	91	557502	54.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	716565	55.475	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	45100	51.663	ug/l	100
82) 4-Chlorotoluene	12.99	91	577322	53.567	ug/l	100
83) tert-Butylbenzene	13.21	119	632127	54.968	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	713029	55.896	ug/l	100
85) sec-Butylbenzene	13.38	105	875237	55.689	ug/l	100
86) p-Isopropyltoluene	13.49	119	810723	56.100	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	384158	55.075	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	377641	55.226	ug/l	100
89) n-Butylbenzene	13.82	91	746873	55.093	ug/l	100
90) Hexachloroethane	14.09	117	137112	53.365	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	332872	54.408	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21184	44.684	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013180.D
 Acq On : 20 Sep 2019 14:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampleId :
 VSTDICCC050

Manual Integrations
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Quant Time: Sep 20 15:15:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	244266	55.872	ug/l	100
94) Hexachlorobutadiene	15.24	225	162213	52.677	ug/l	100
95) Naphthalene	15.36	128	408945	56.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	209860	54.482	ug/l	100

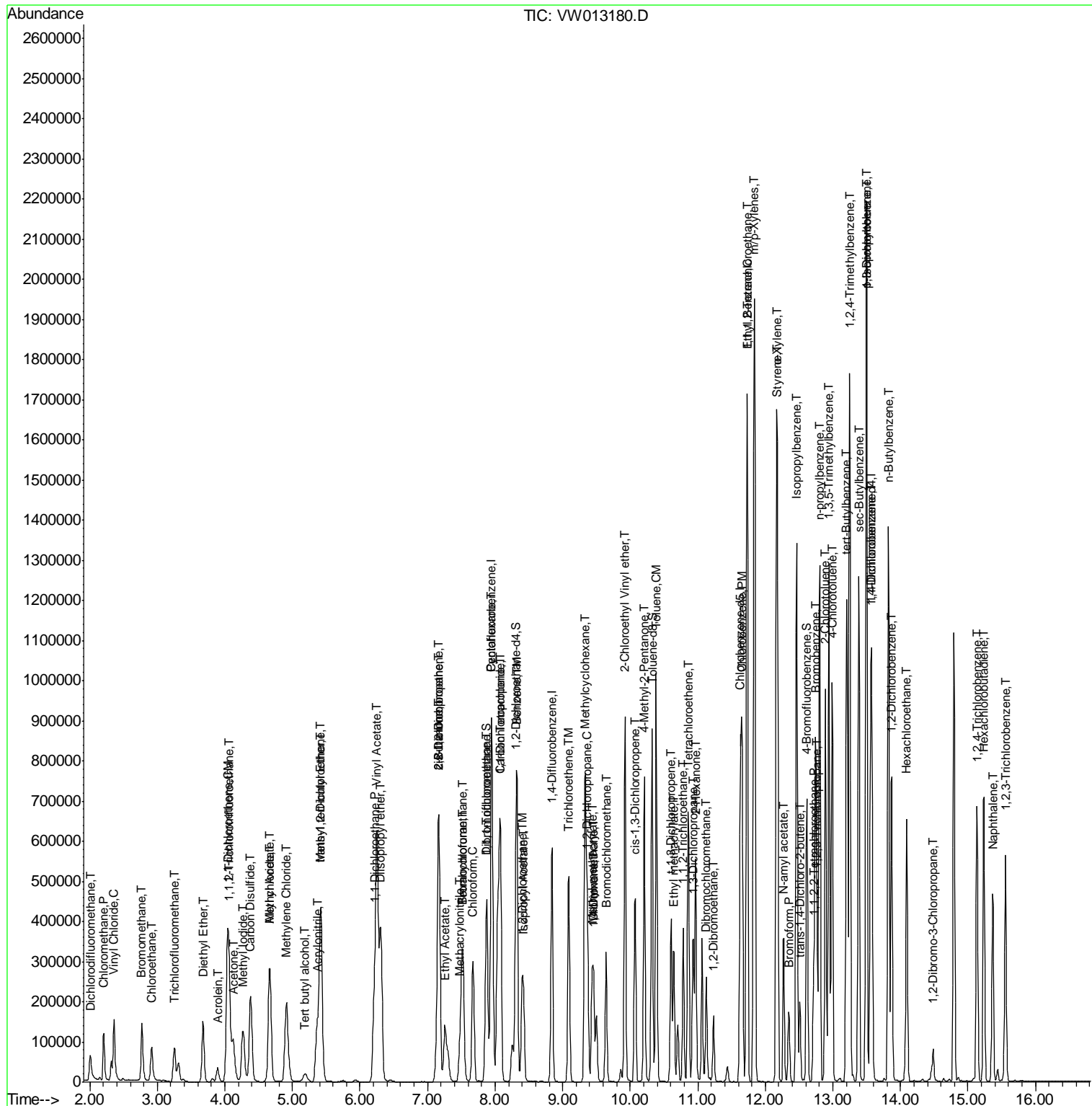
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013180.D
Acq On : 20 Sep 2019 14:01
Operator : SY/VA
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

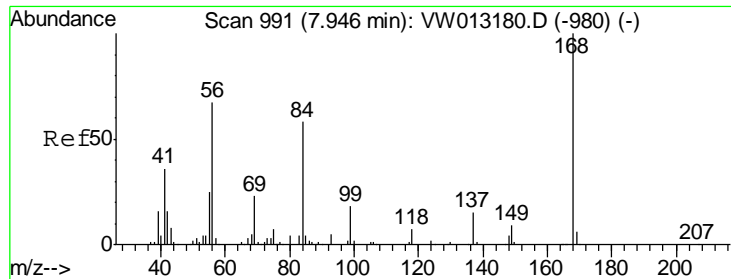
Instrument : MSVOA_W
Client Sampled : VSTDICCC050

Manual Integrations APPROVED
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9/24/2019 5:28:45 AM

Quant Time: Sep 20 15:15:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 14:51:18 2019
Response via : Initial Calibration



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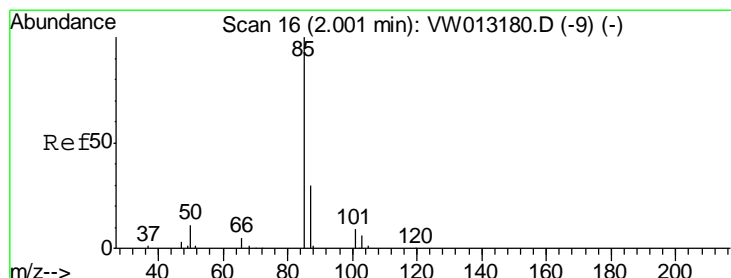
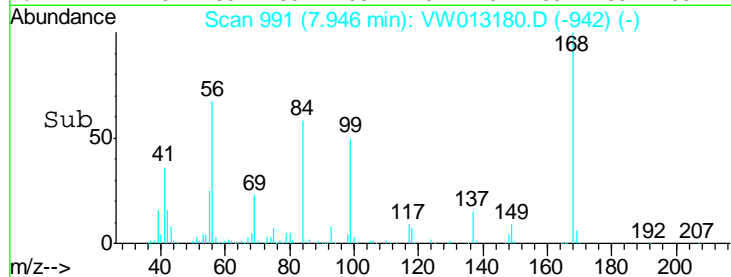
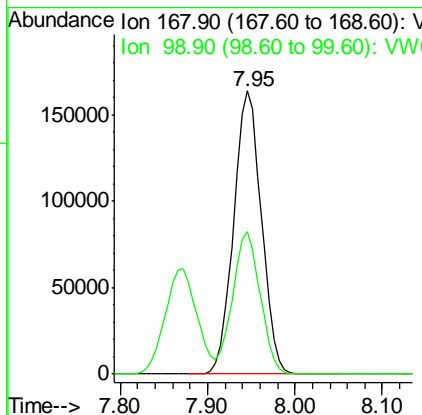
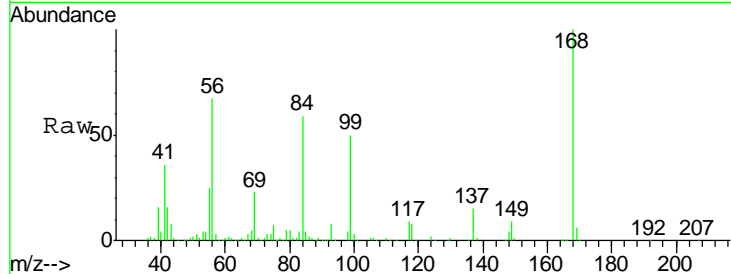
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.3	40.2	60.4

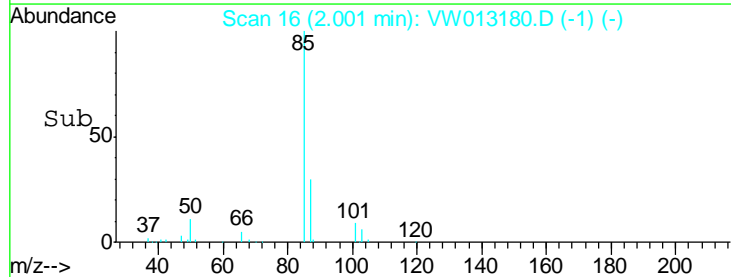
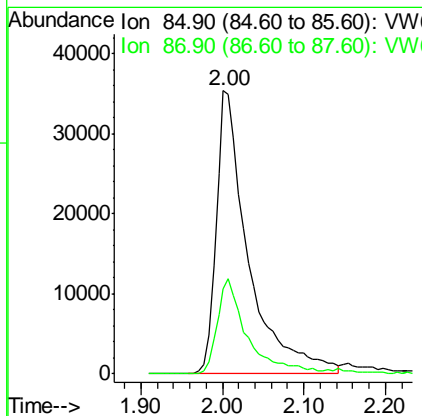
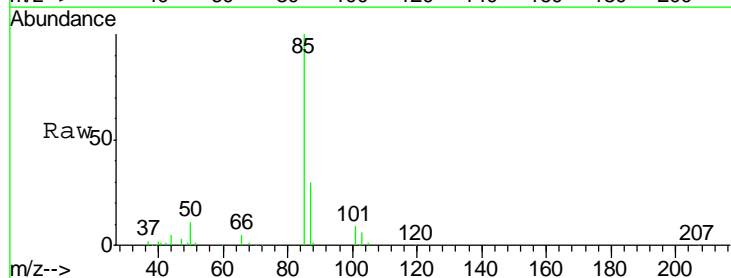
Manual Integrations
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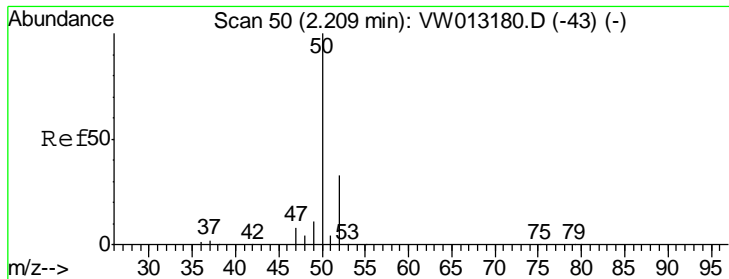
MMDadoda
 9/24/2019 5:28:45 AM



#2
 Dichlorodifluoromethane
 Concen: 59.419 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.2	15.1	45.3





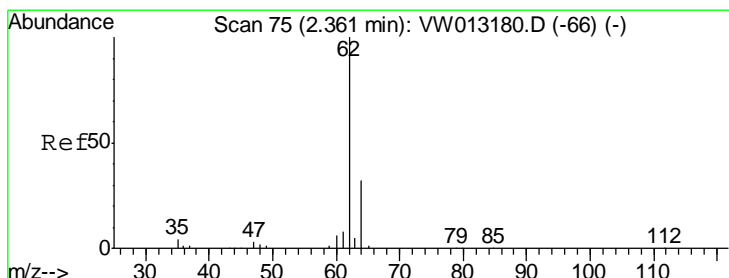
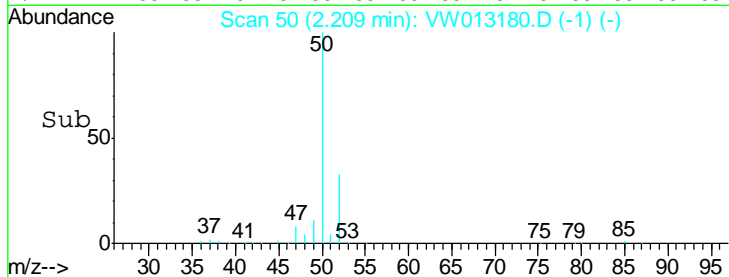
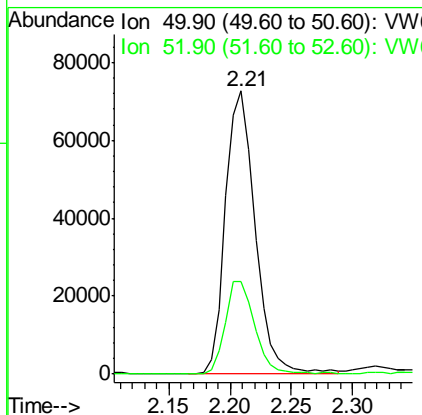
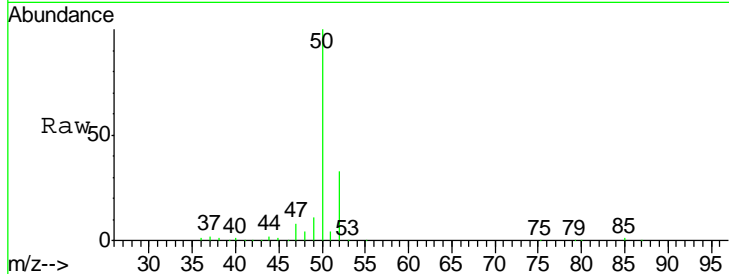
#3
 Chloromethane
 Concen: 58.572 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
50	122019		
50	100		
52	32.6	26.1	39.1

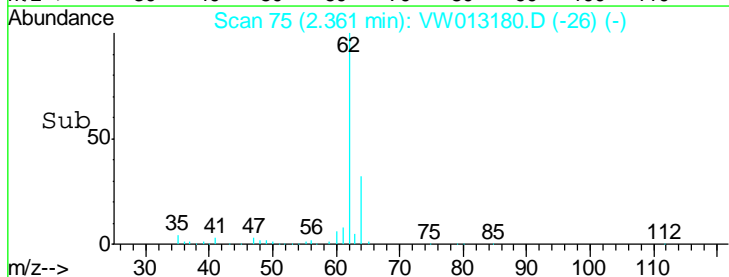
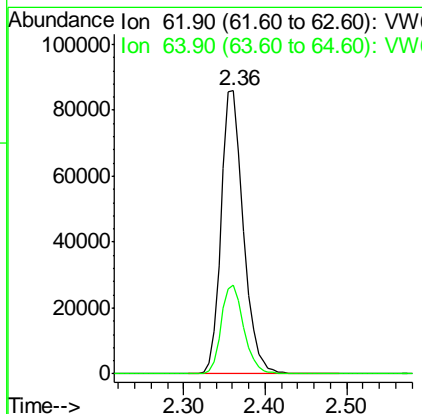
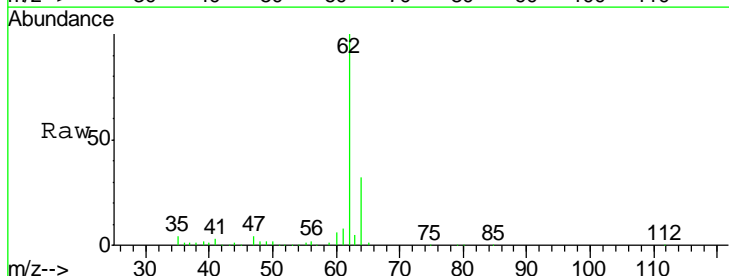
Manual Integrations
 APPROVED

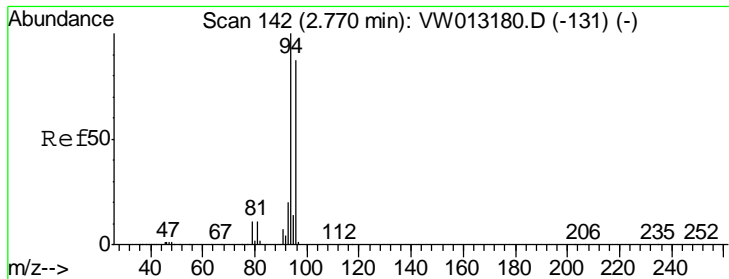
MMDadoda
 9/24/2019 5:28:45 AM



#4
 Vinyl Chloride
 Concen: 59.990 ug/l
 RT: 2.36 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
62	163342		
62	100		
64	31.6	25.3	37.9





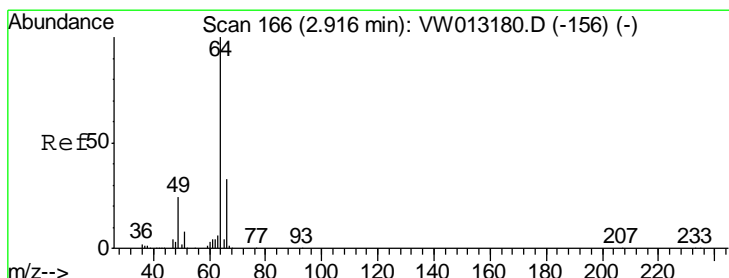
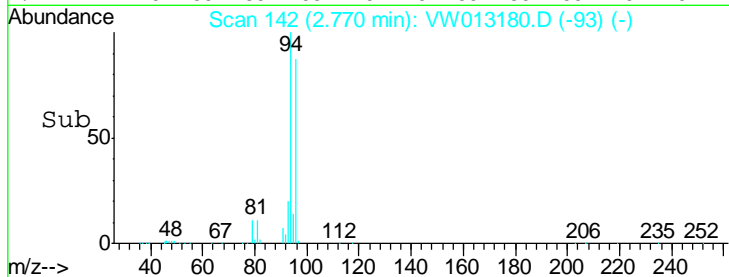
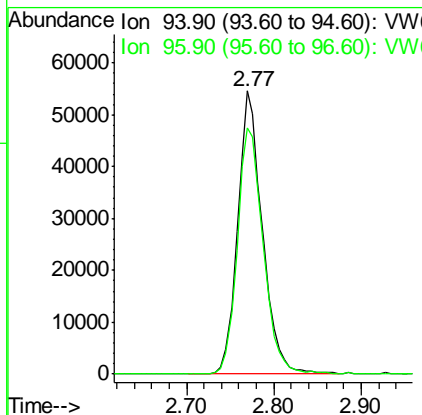
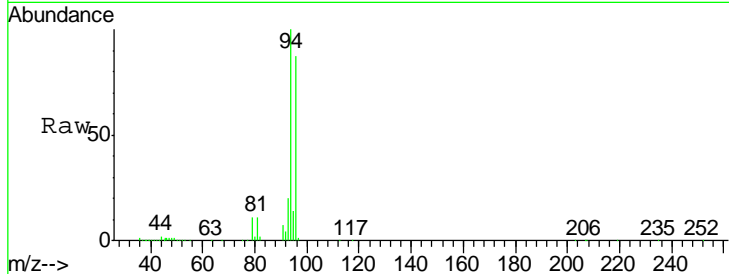
#5
 Bromomethane
 Concen: 63.293 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
94	106919		
96	87.1	69.7	104.5

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

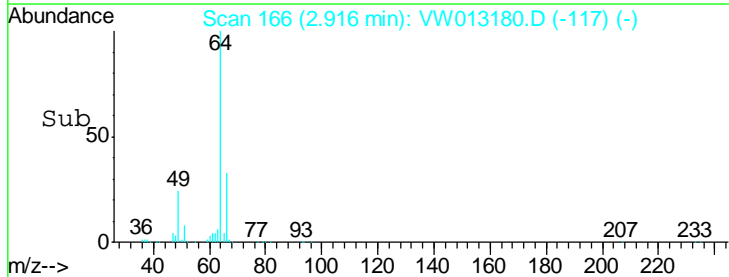
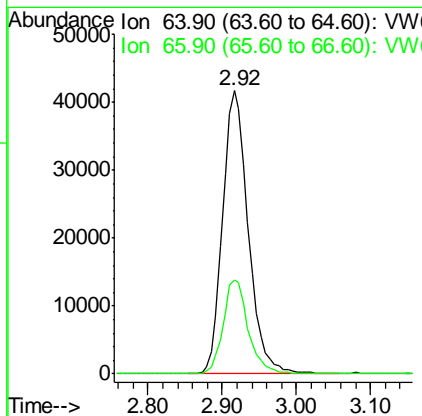
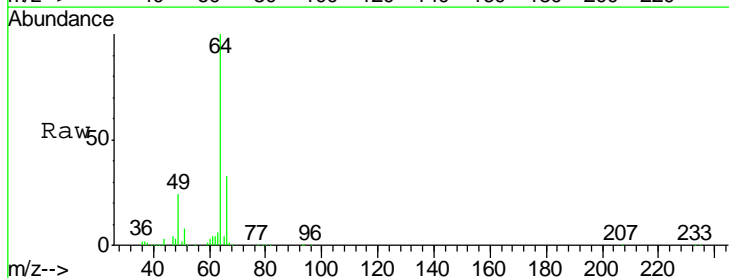
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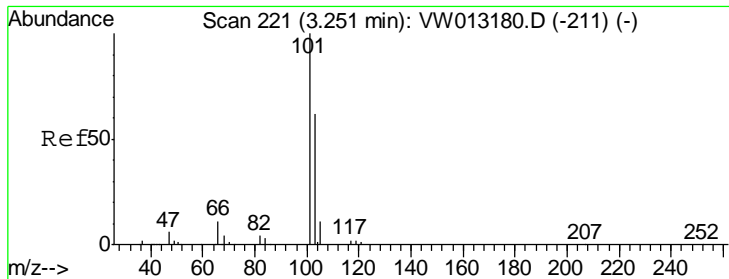
MMDadoda
 9/24/2019 5:28:45 AM



#6
 Chloroethane
 Concen: 60.226 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
64	100050		
66	33.2	26.6	39.8





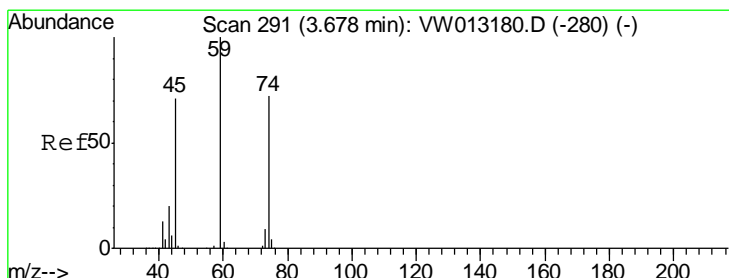
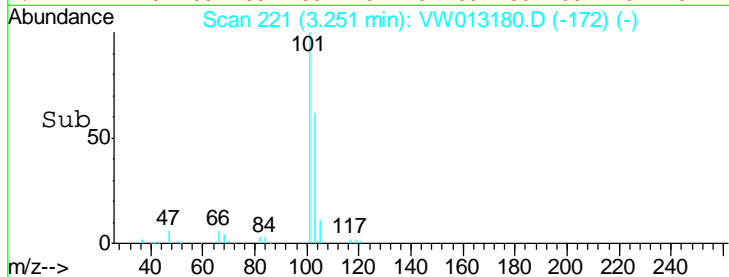
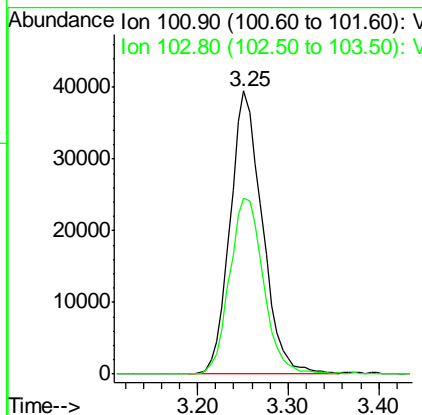
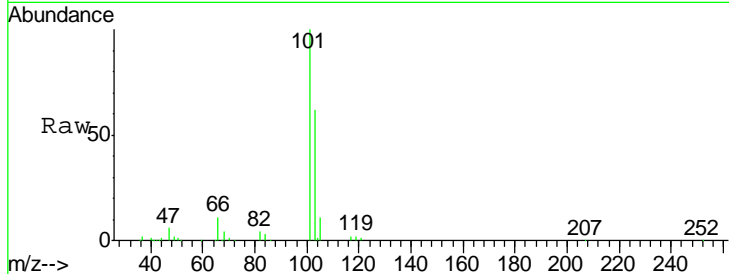
#7
 Trichlorofluoromethane
 Concen: 53.264 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	97301		
103	62.1	49.7	74.5

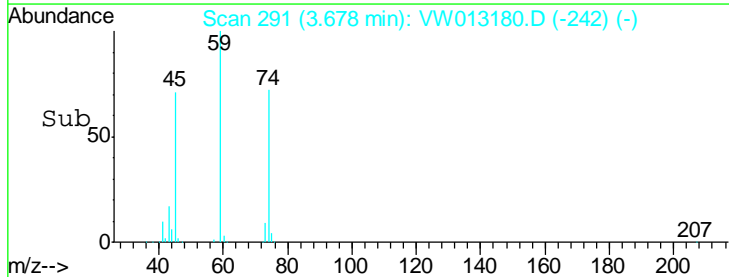
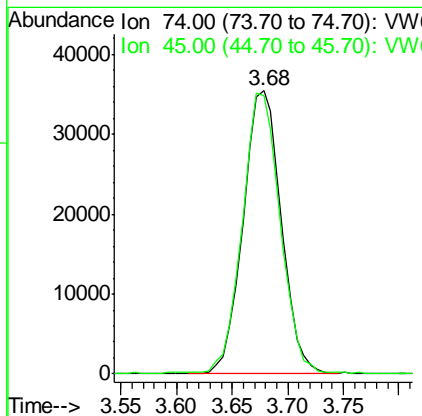
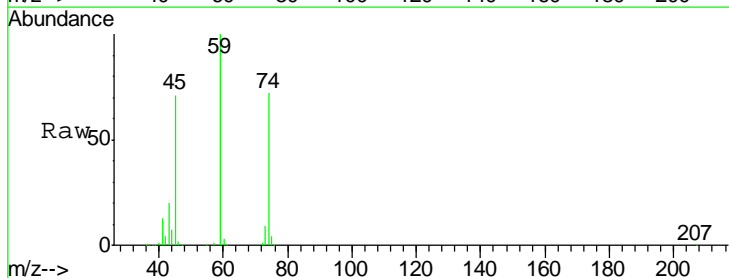
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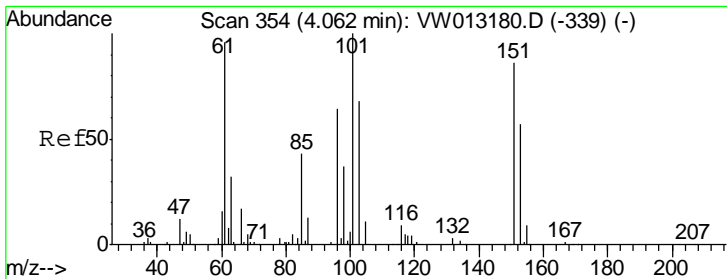
MMDadoda
 9/24/2019 5:28:45 AM



#8
 Diethyl Ether
 Concen: 57.777 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

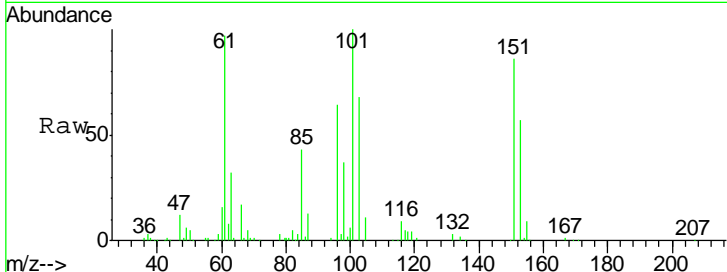
Tgt Ion	Resp	Lower	Upper
74	84350		
45	99.1	49.5	148.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 56.554 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

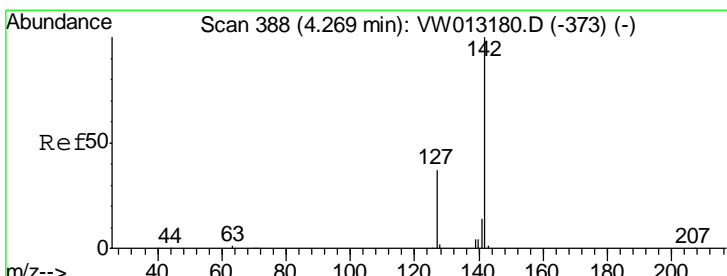
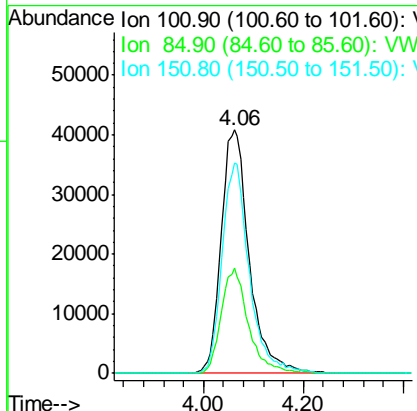
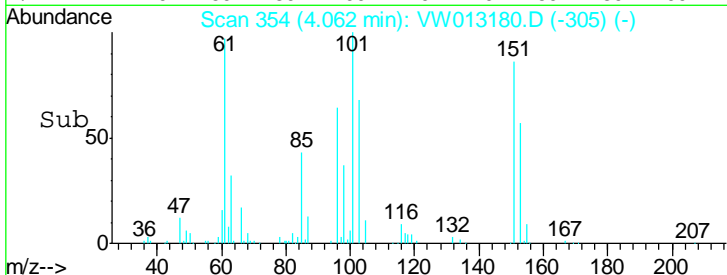


Tgt Ion:101 Resp: 159657

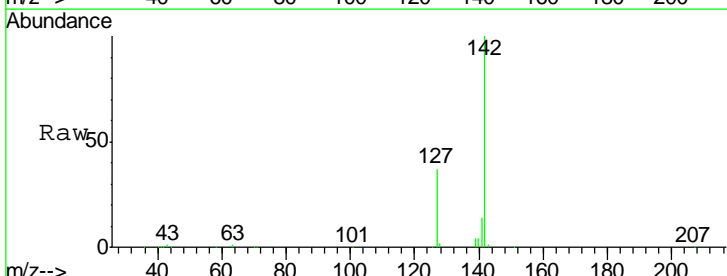
Ion	Ratio	Lower	Upper
101	100		
85	41.7	33.4	50.0
151	83.6	66.9	100.3

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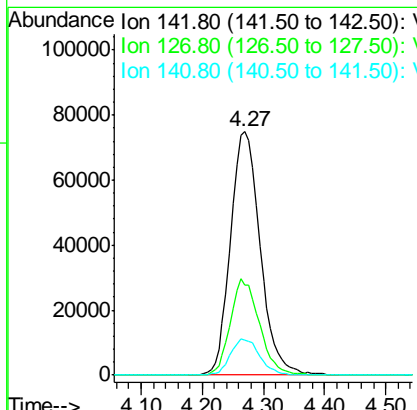
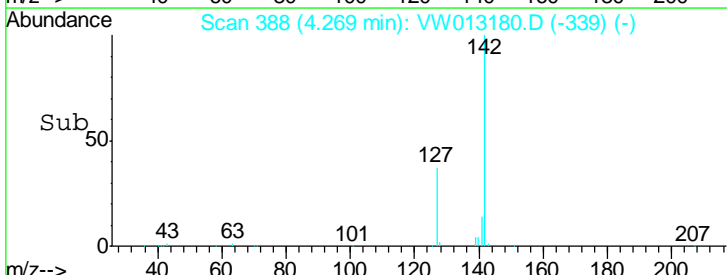


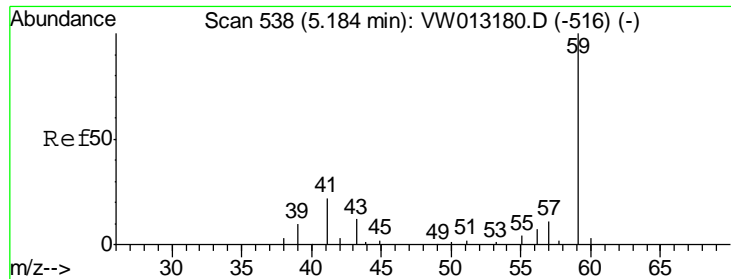
#10
 Methyl Iodide
 Concen: 68.042 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01



Tgt Ion:142 Resp: 251156

Ion	Ratio	Lower	Upper
142	100		
127	38.6	30.9	46.3
141	14.6	11.7	17.5





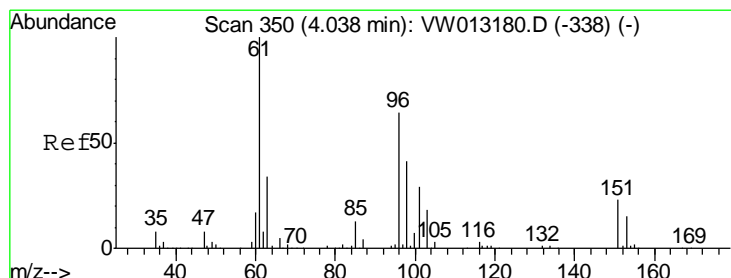
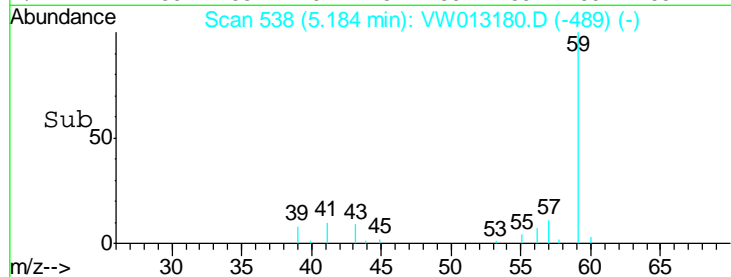
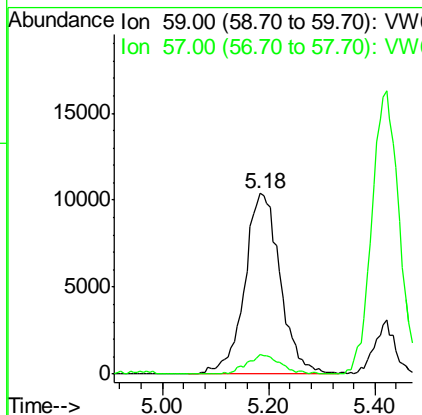
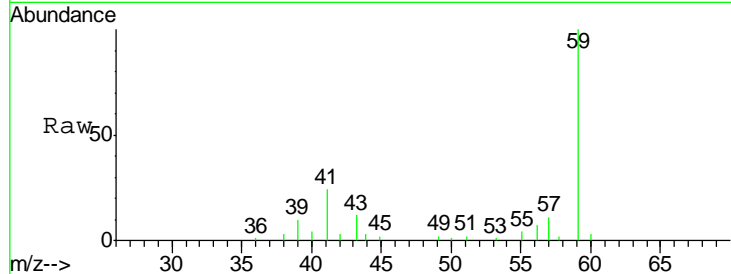
#11
 Tert butyl alcohol
 Concen: 189.488 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
59	47925		
57	10.2	8.2	12.2

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

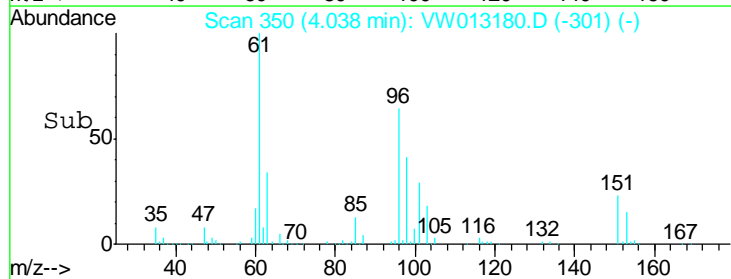
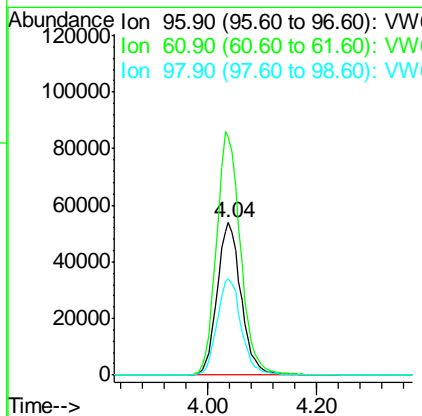
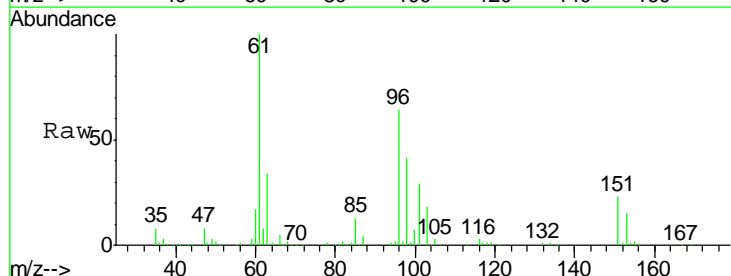
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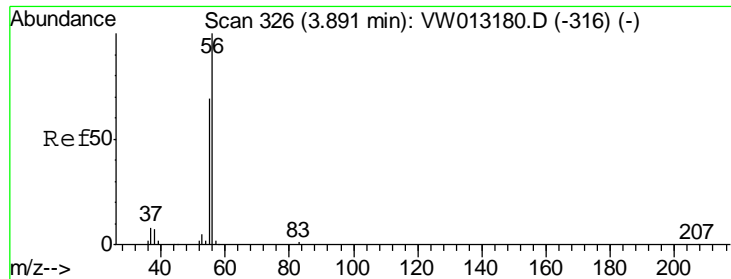
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#12
 1,1-Dichloroethene
 Concen: 62.586 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
96	164693		
61	156.4	125.1	187.7
98	63.5	50.8	76.2





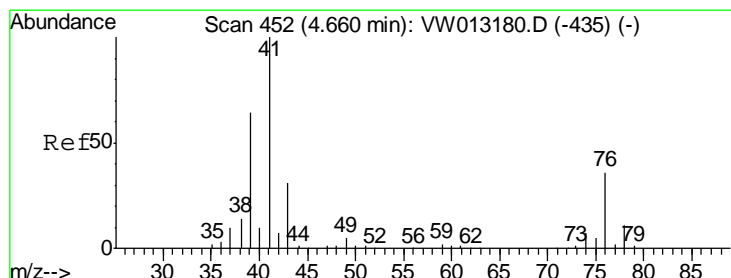
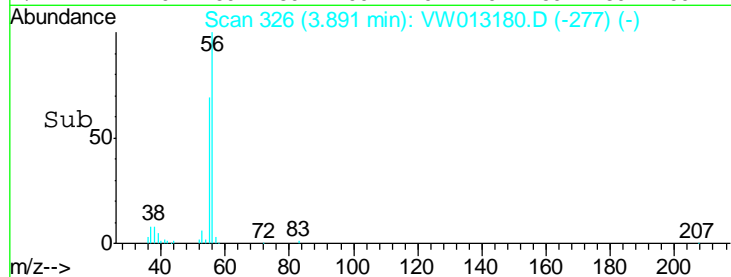
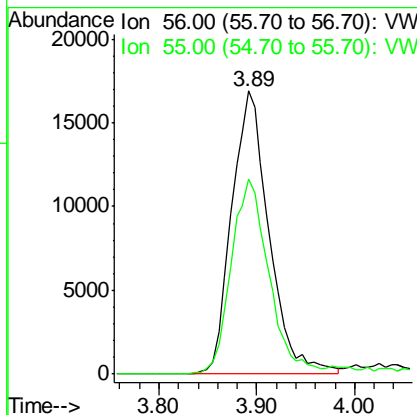
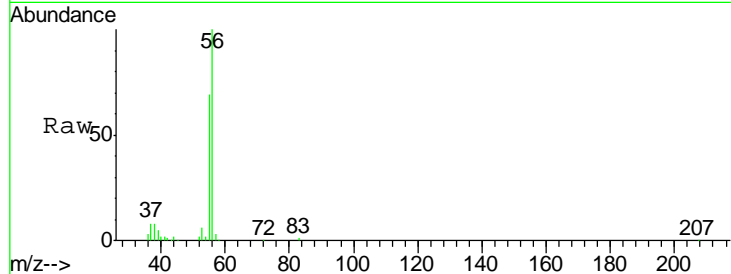
#13
 Acrolein
 Concen: 195.610 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	44811		
55	69.2	55.4	83.0

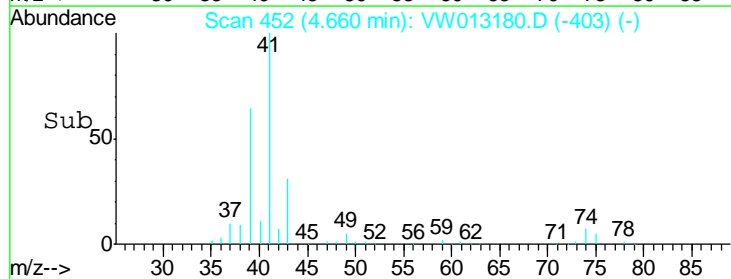
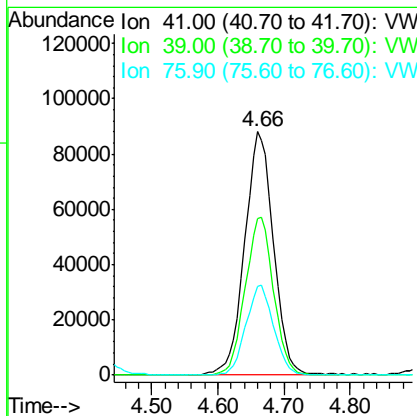
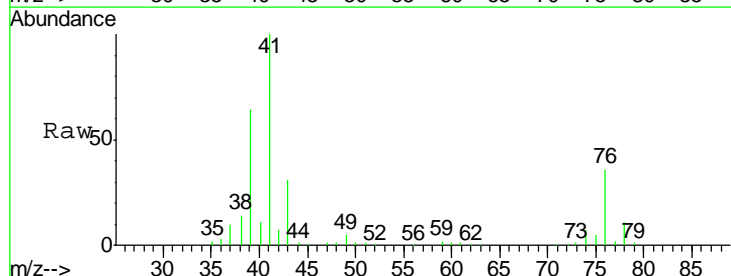
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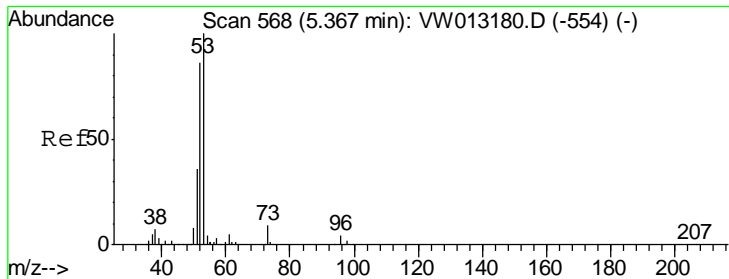
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#14
 Allyl chloride
 Concen: 55.436 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
41	267502		
39	63.7	51.0	76.4
76	35.5	28.4	42.6





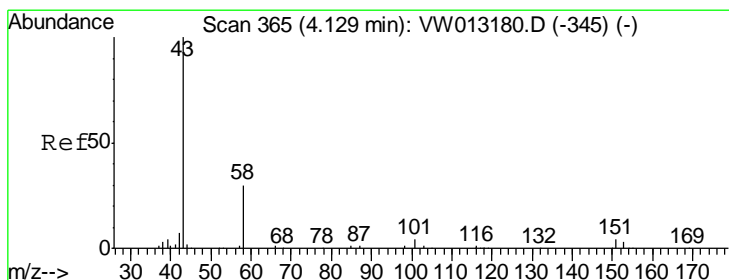
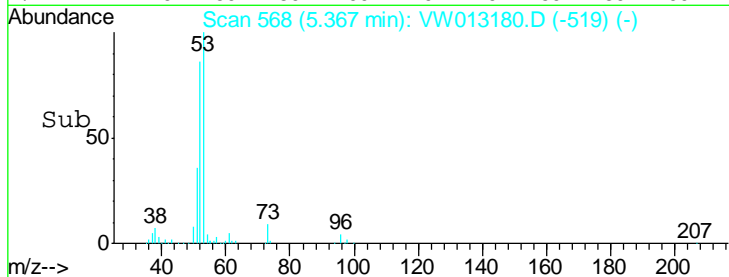
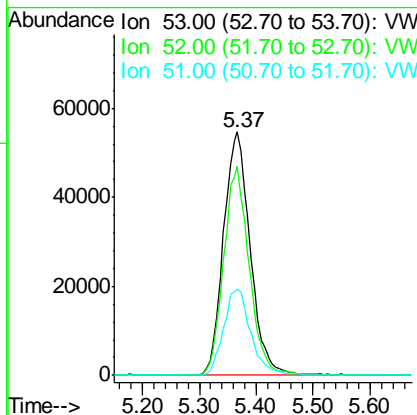
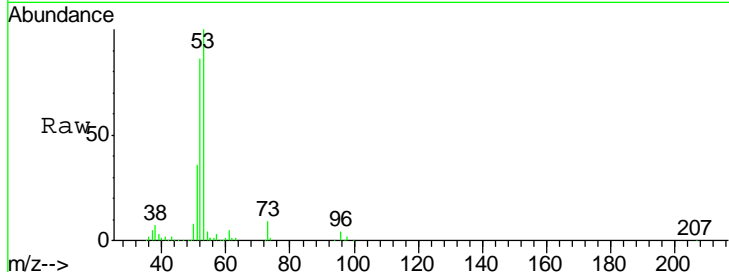
#15
 Acrylonitrile
 Concen: 249.124 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
53	179063		
52	81.6	65.3	97.9
51	36.2	29.0	43.4

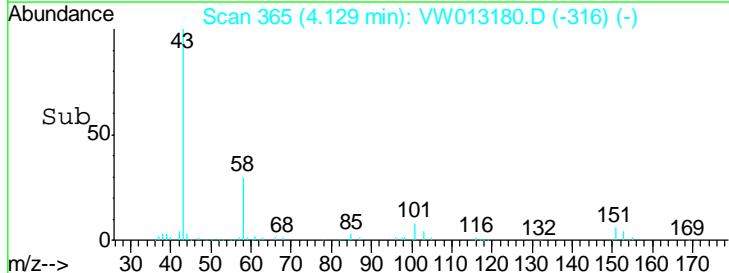
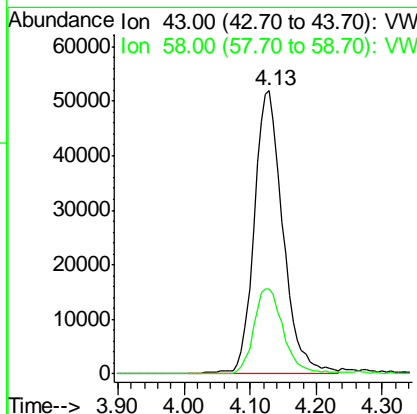
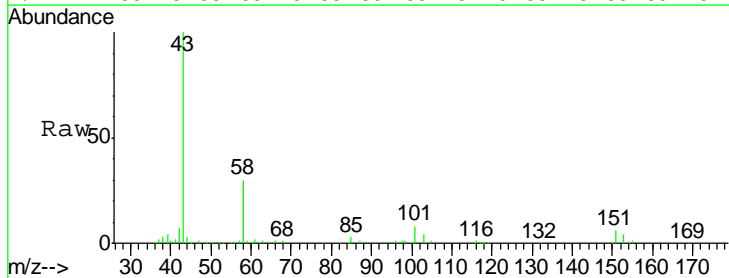
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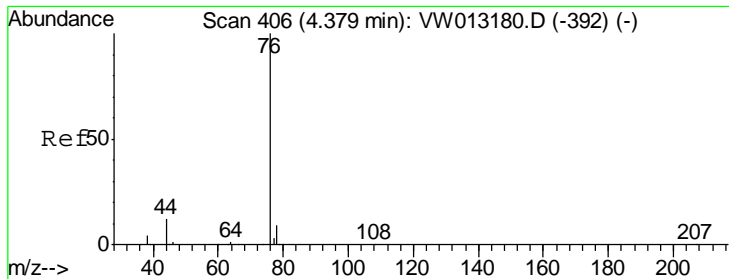
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#16
 Acetone
 Concen: 205.247 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
43	157066		
58	30.1	24.1	36.1





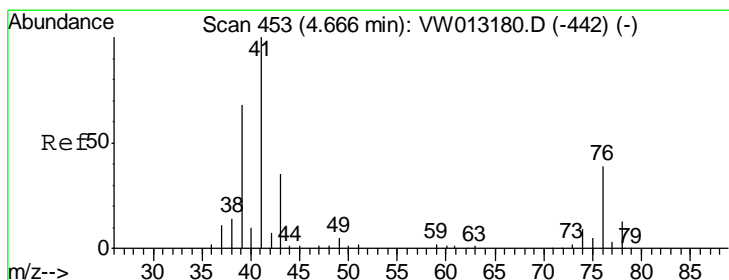
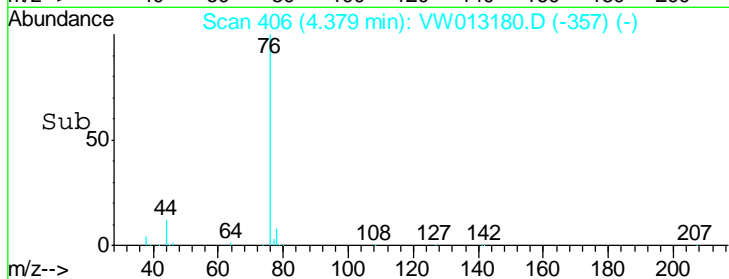
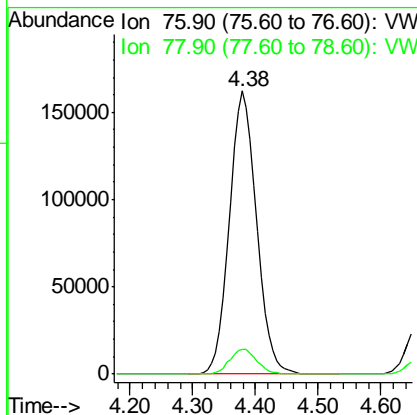
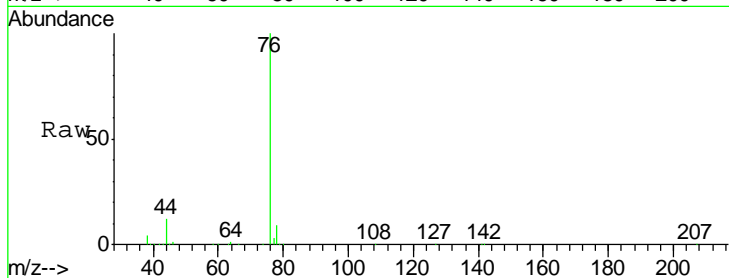
#17
 Carbon Disulfide
 Concen: 83.904 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	486110		
76	100		
78	8.7	7.0	10.4

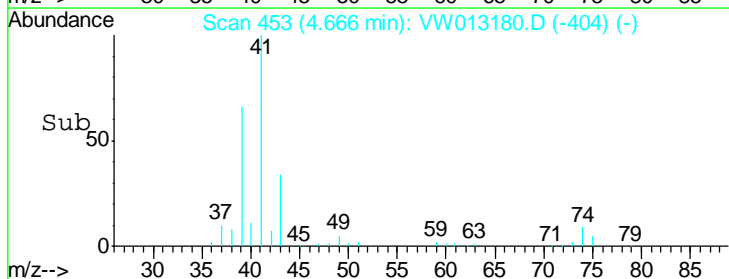
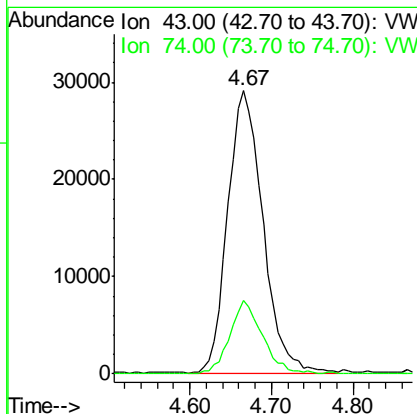
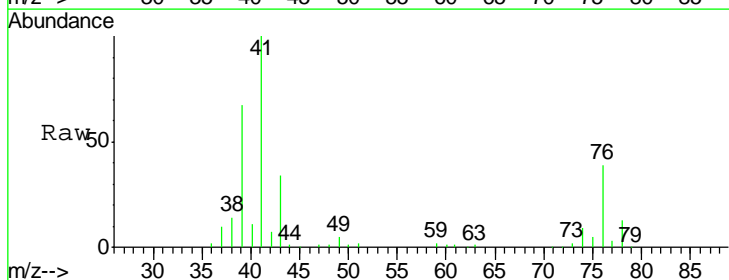
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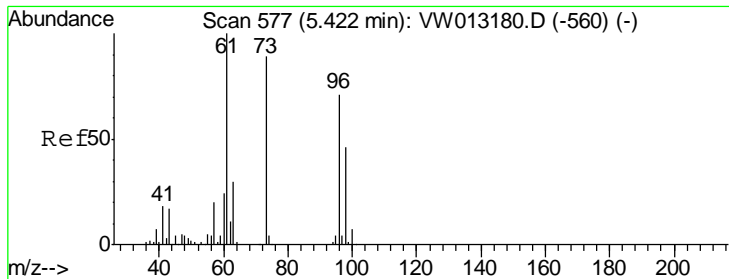
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#18
 Methyl Acetate
 Concen: 45.933 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
43	86806		
43	100		
74	24.1	19.3	28.9



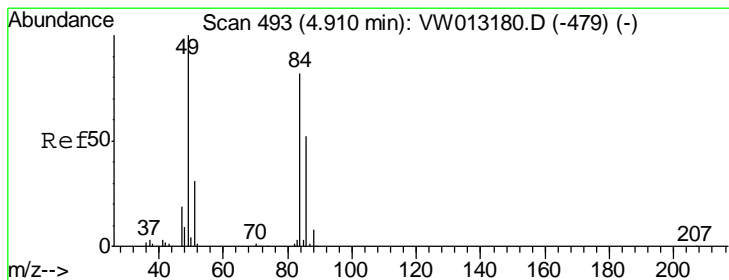
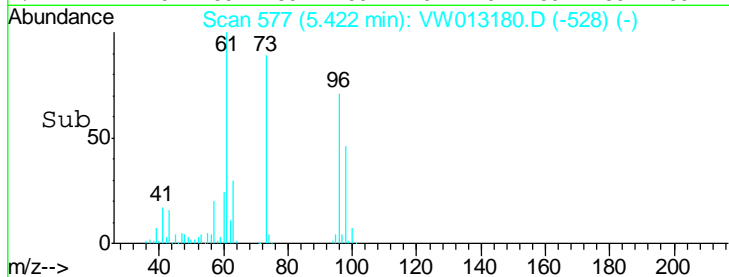
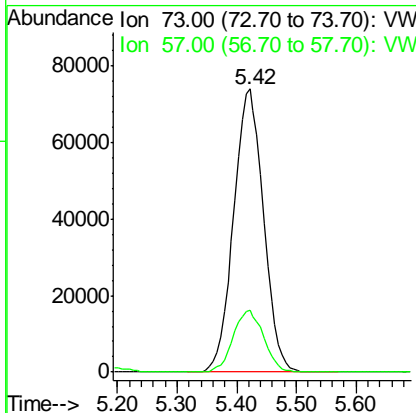
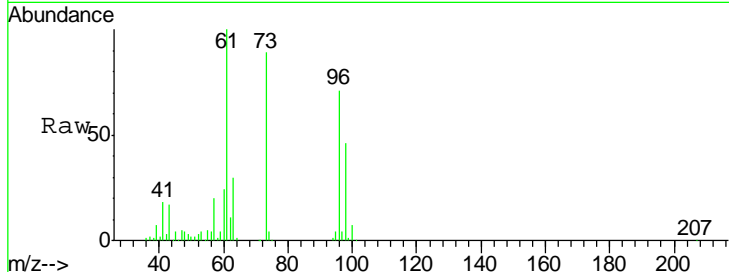


#19
 Methyl tert-butyl Ether
 Concen: 52.193 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
73	257586		
73	100		
57	22.0	17.6	26.4

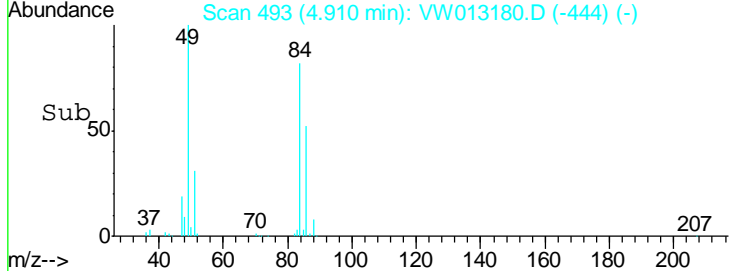
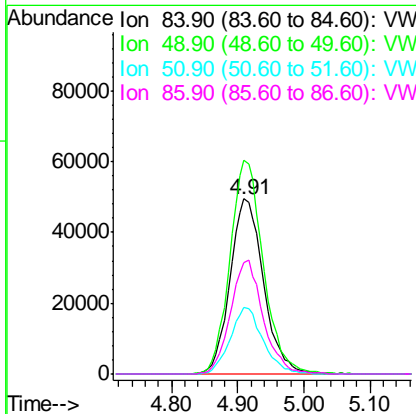
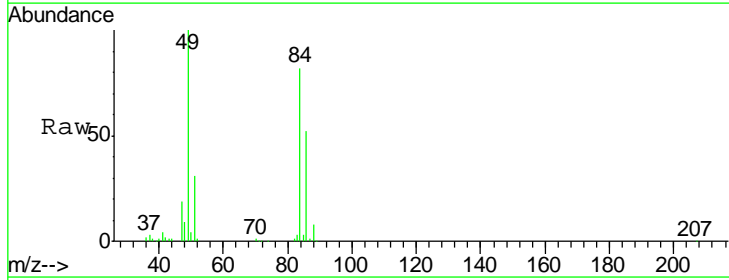
Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

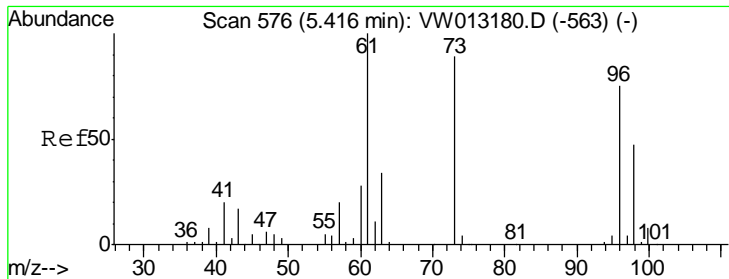
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#20
 Methylene Chloride
 Concen: 53.671 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
84	174000		
84	100		
49	122.0	97.6	146.4
51	37.7	30.2	45.2
86	63.3	50.6	76.0





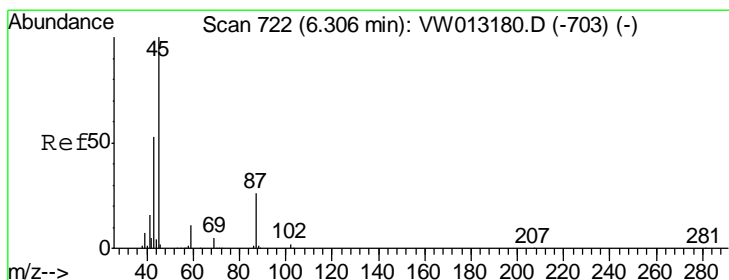
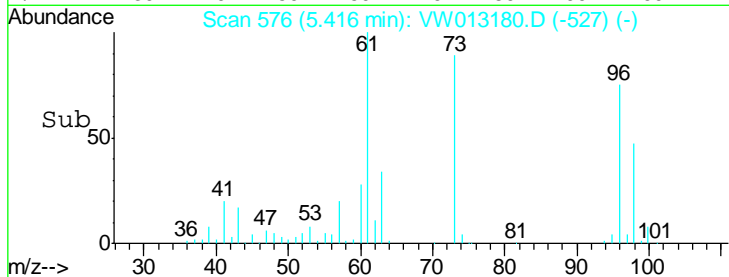
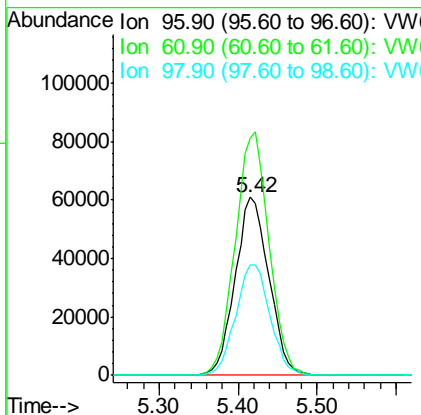
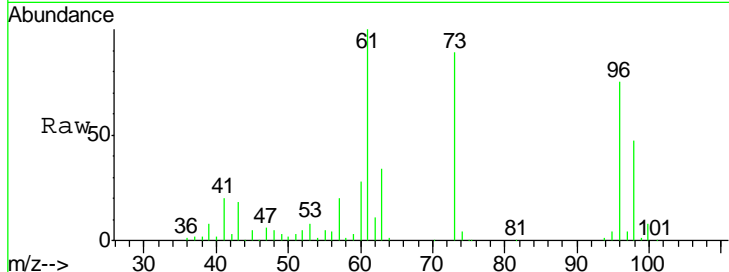
#21
 trans-1,2-Dichloroethene
 Concen: 64.290 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	181754		
96	100		
61	133.2	106.6	159.8
98	62.3	49.8	74.8

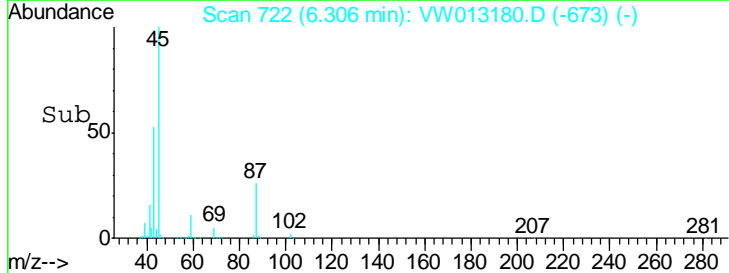
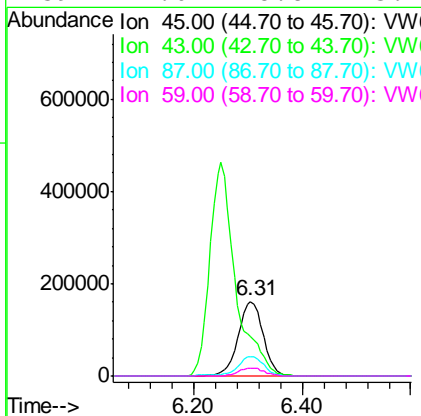
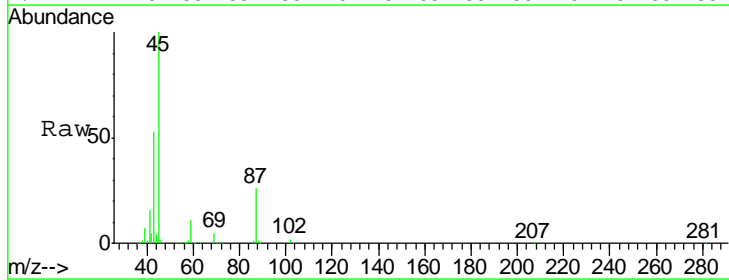
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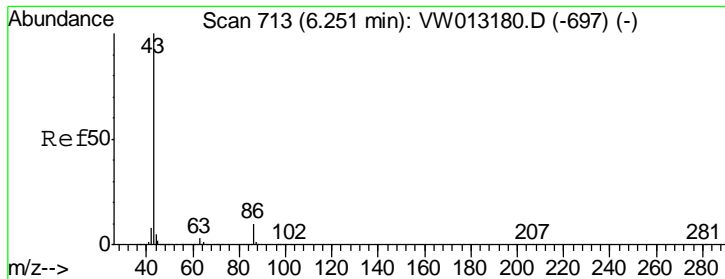
MMDadoda
 9/24/2019 5:28:45 AM



#22
 Diisopropyl ether
 Concen: 52.372 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
45	516921		
45	100		
43	53.0	42.4	63.6
87	25.5	20.4	30.6
59	11.0	8.8	13.2





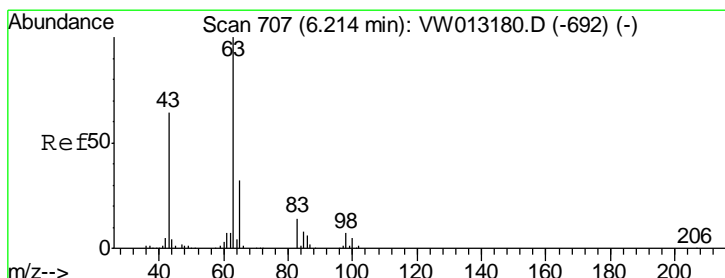
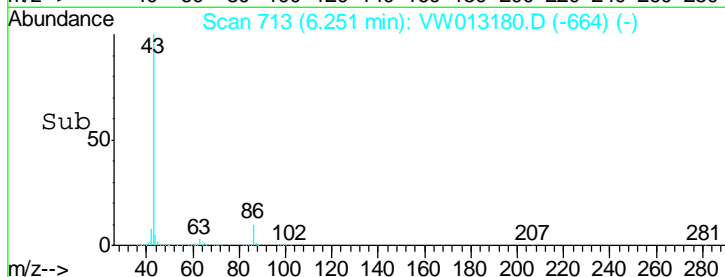
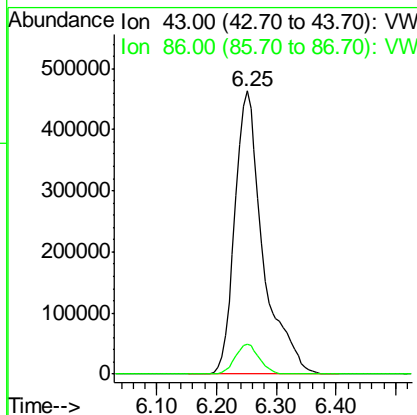
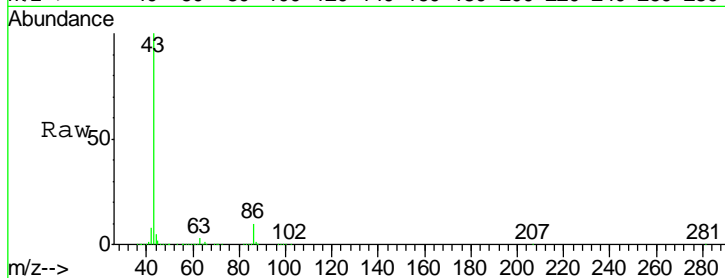
#23
 Vinyl Acetate
 Concen: 259.009 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.4	8.3	12.5

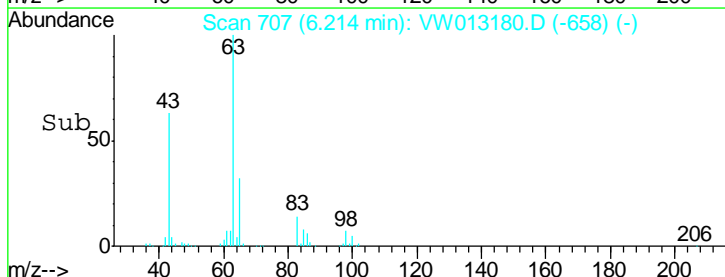
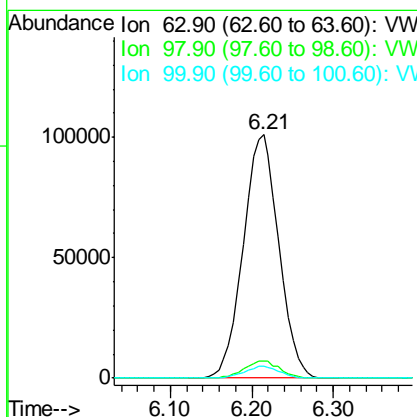
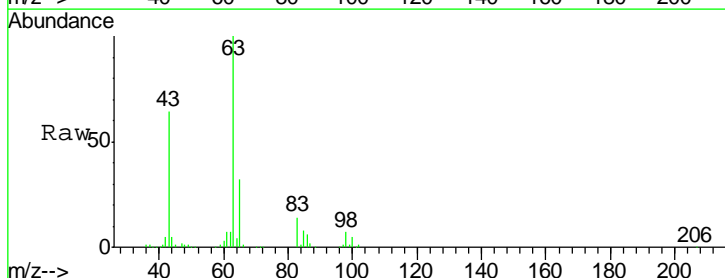
Manual Integrations
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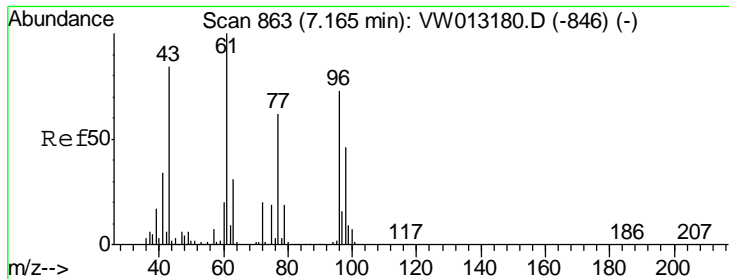
MMDadoda
 9/24/2019 5:28:45 AM



#24
 1,1-Dichloroethane
 Concen: 53.270 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.7	2.4	7.1





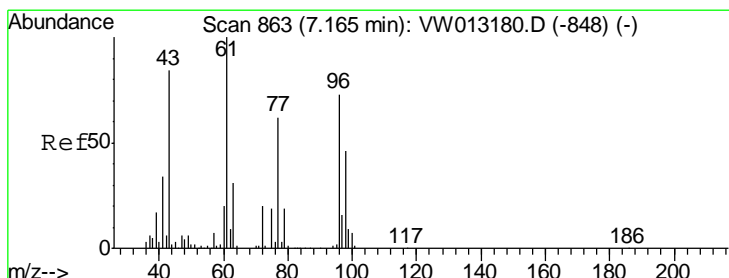
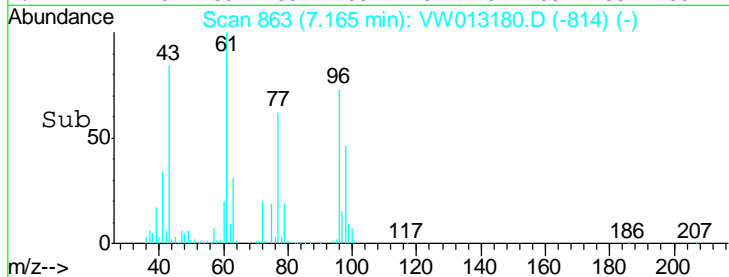
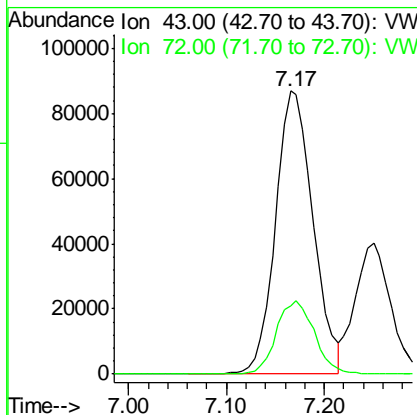
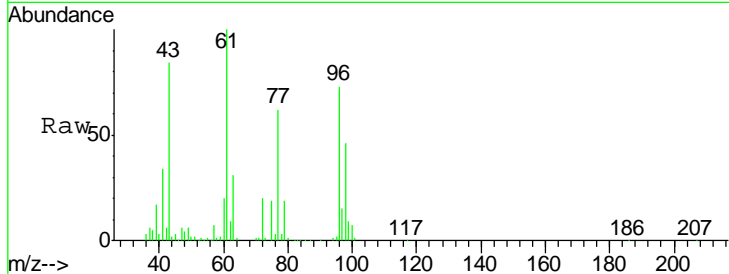
#25
 2-Butanone
 Concen: 223.844 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion: 43 Resp: 232476
 Ion Ratio Lower Upper
 43 100
 72 24.2 19.4 29.0

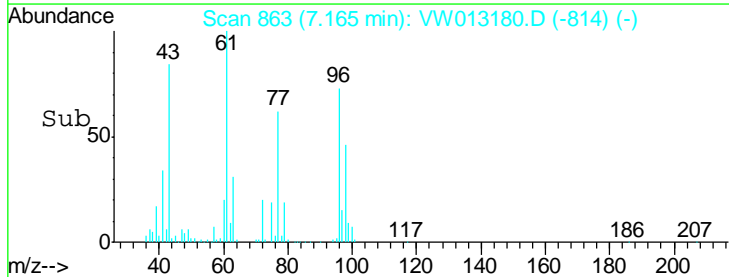
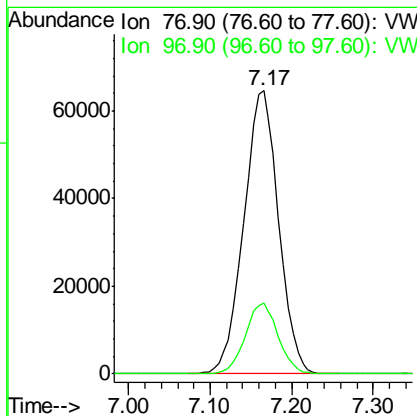
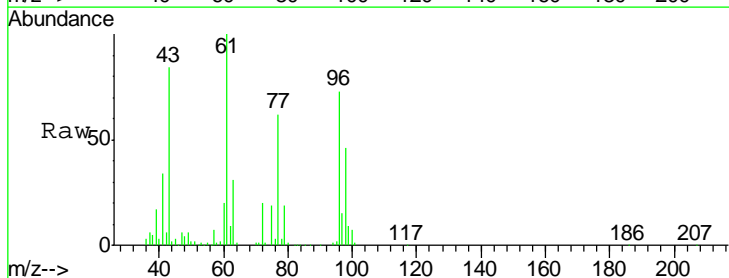
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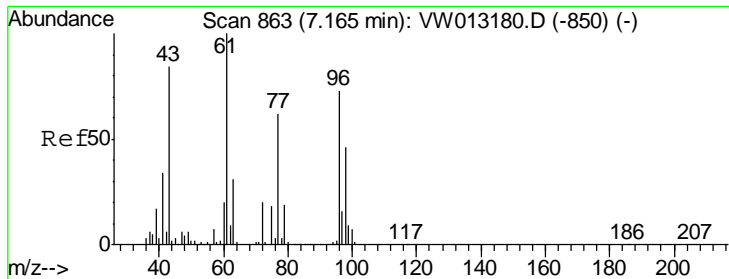
MMDadoda
 9/24/2019 5:28:45 AM



#26
 2,2-Dichloropropane
 Concen: 47.647 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion: 77 Resp: 191212
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.8 35.4





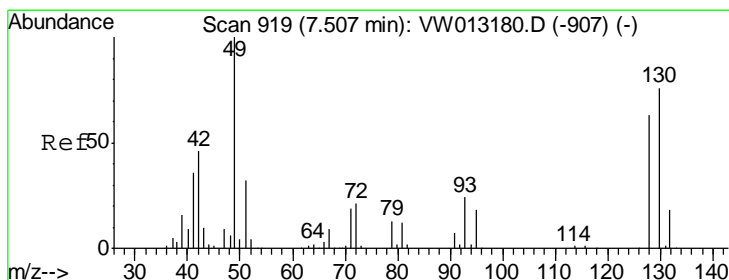
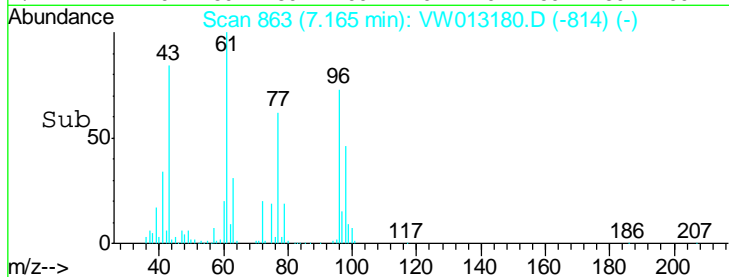
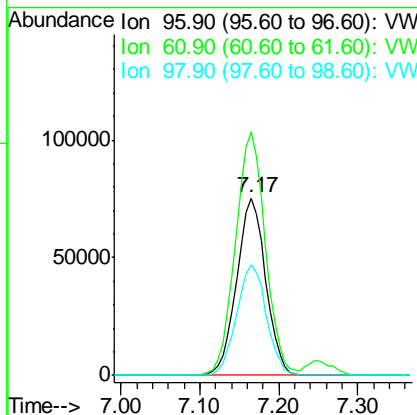
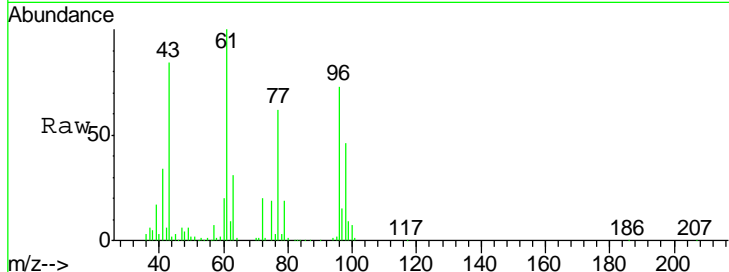
#27
 cis-1,2-Dichloroethene
 Concen: 58.392 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	193203		
96	100		
61	141.2	0.0	282.4
98	64.1	0.0	128.2

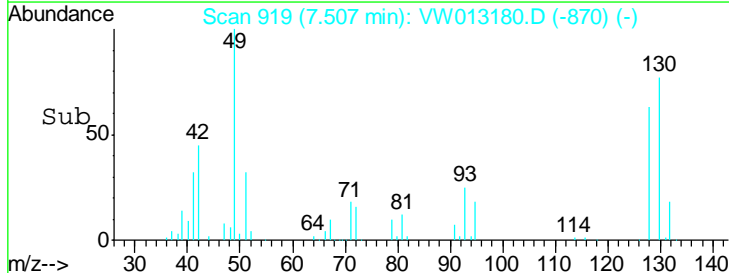
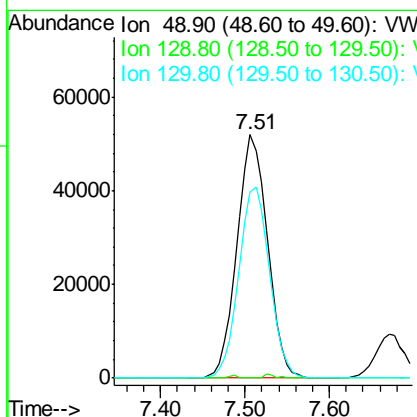
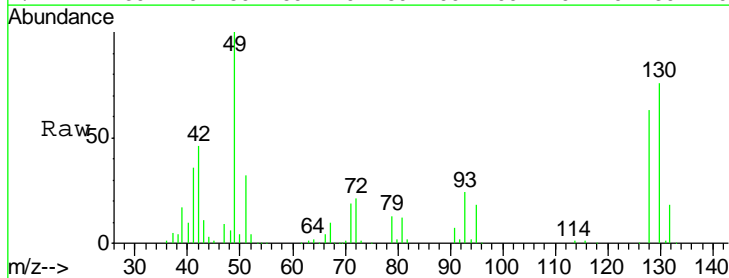
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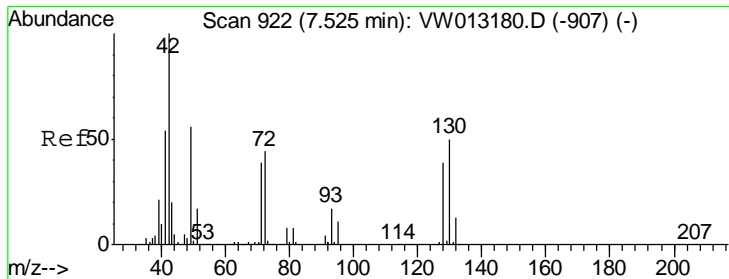
MMDadoda
 9/24/2019 5:28:45 AM



#28
 Bromochloromethane
 Concen: 52.810 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
49	127190		
49	100		
129	0.5	0.0	1.0
130	79.3	63.4	95.2





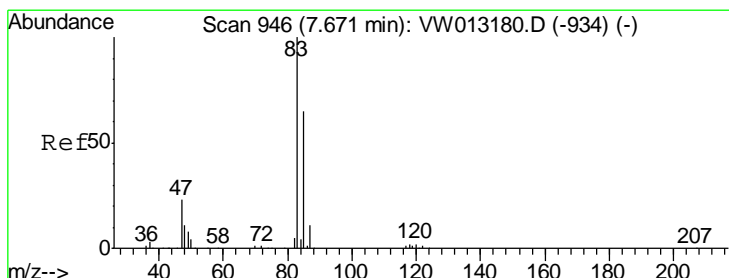
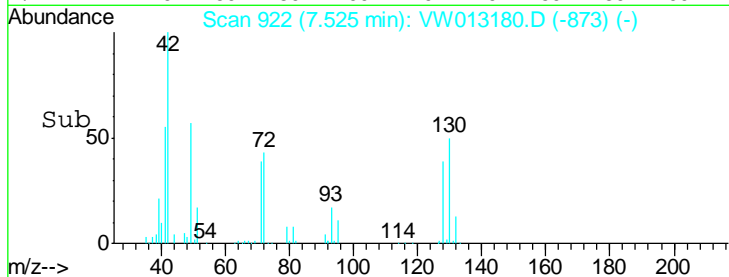
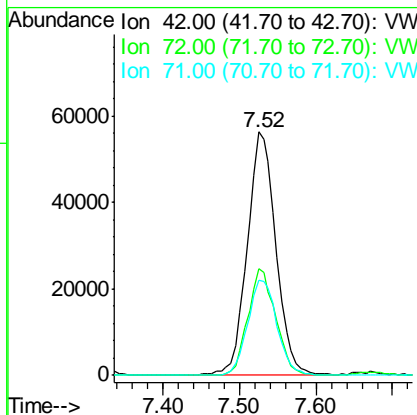
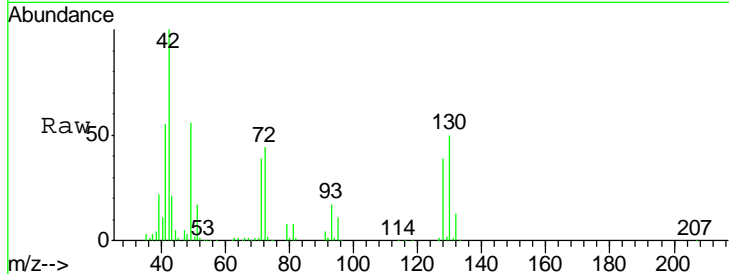
#29
 Tetrahydrofuran
 Concen: 246.036 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
42	147556		
72	42.4	33.9	50.9
71	39.9	31.9	47.9

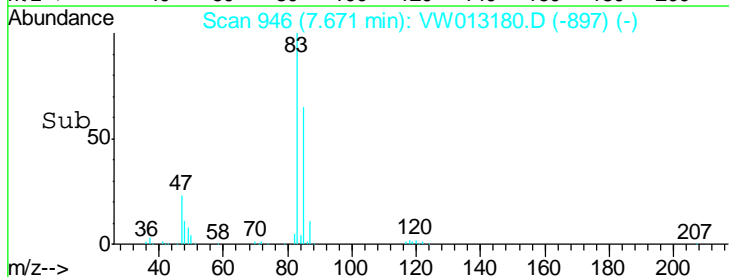
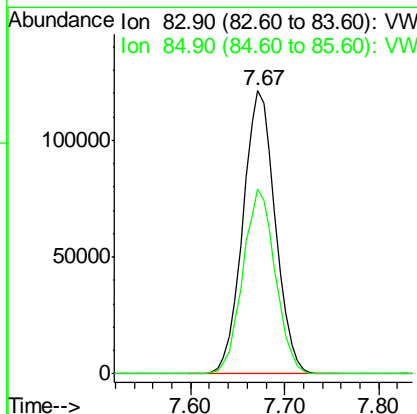
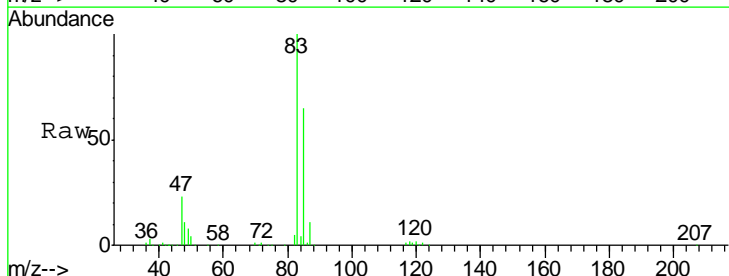
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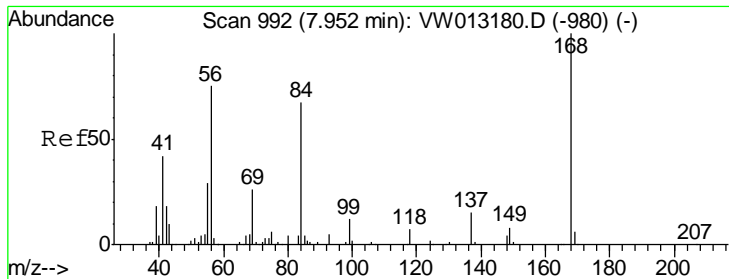
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#30
 Chloroform
 Concen: 50.484 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
83	291463		
85	65.4	52.3	78.5





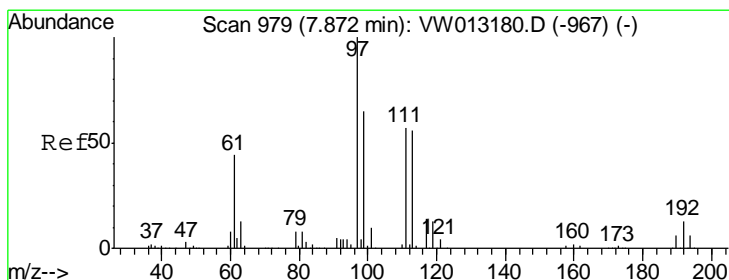
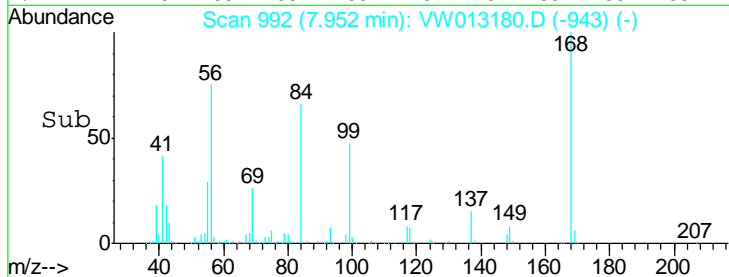
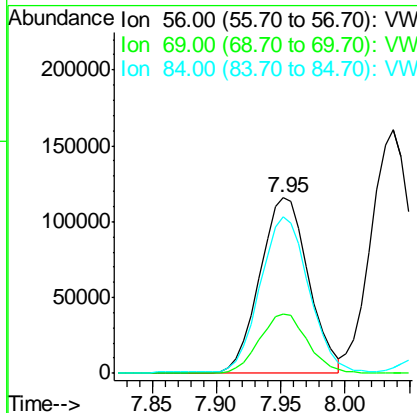
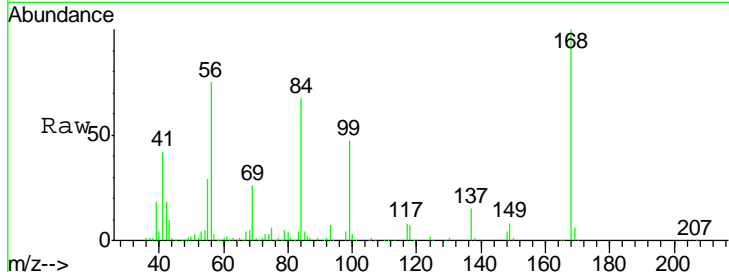
#31
 Cyclohexane
 Concen: 59.615 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	88.5	70.8	106.2

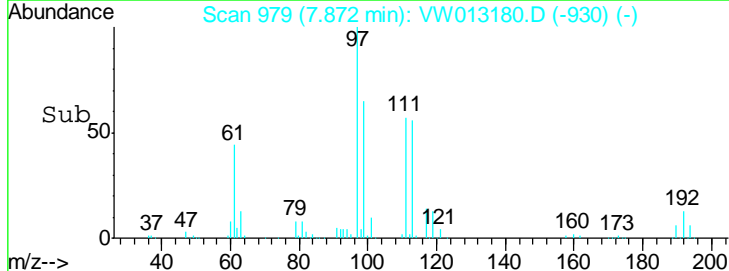
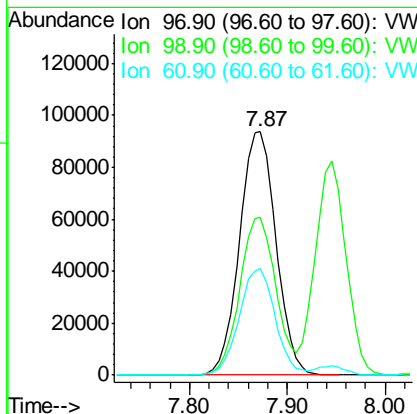
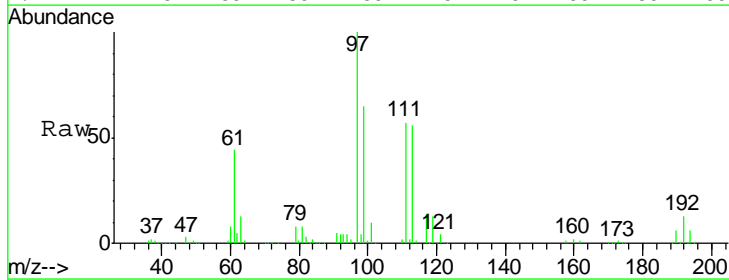
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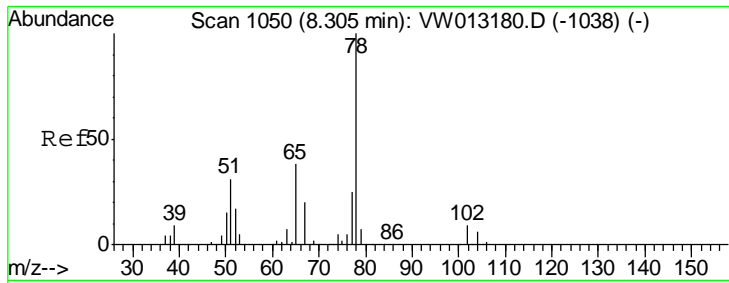
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#32
 1,1,1-Trichloroethane
 Concen: 50.979 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	43.2	34.6	51.8





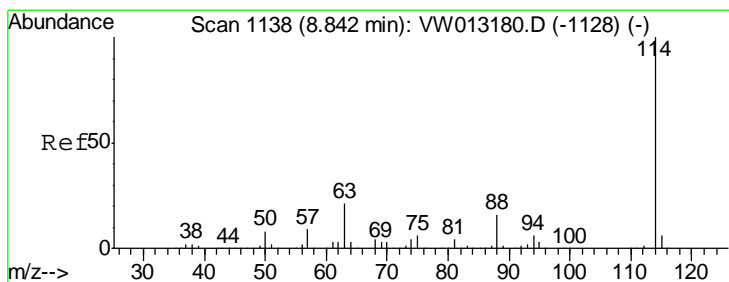
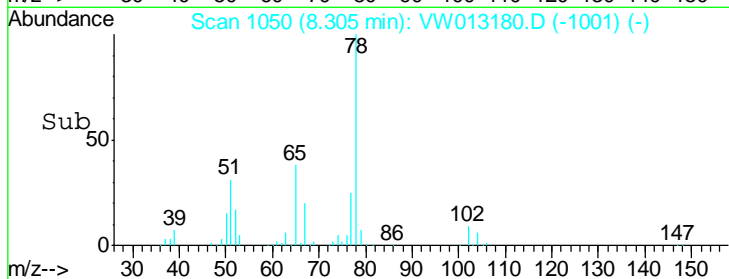
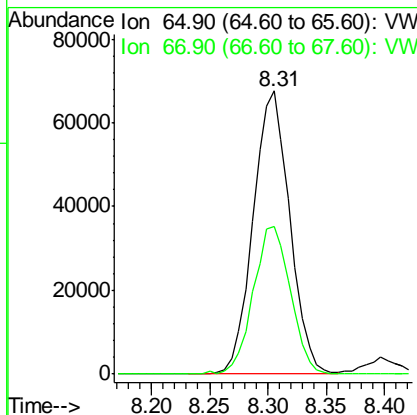
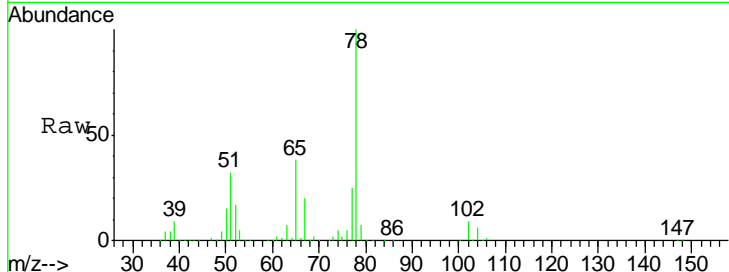
#33
 1,2-Dichloroethane-d4
 Concen: 45.537 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
65	147978		
65	100		
67	53.1	0.0	106.2

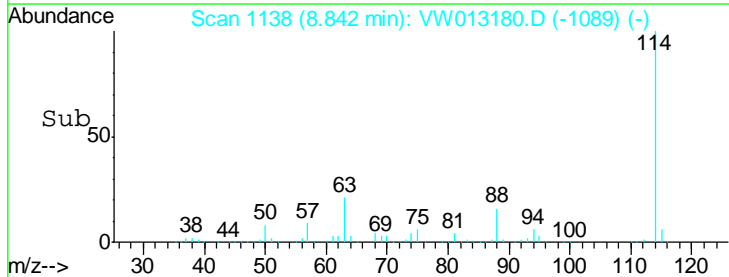
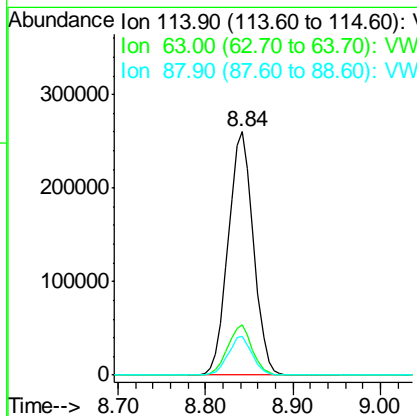
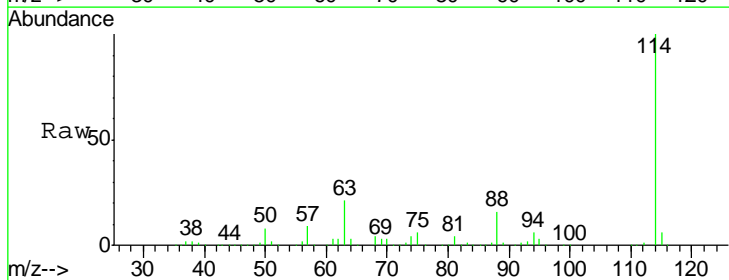
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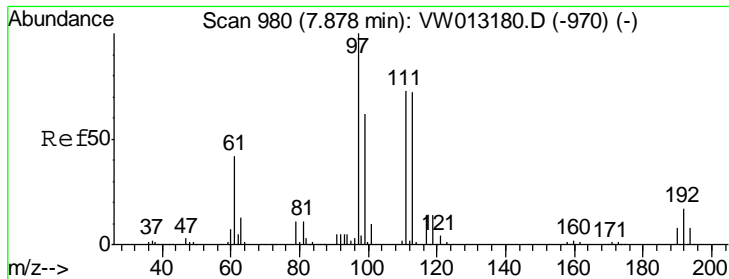
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 9/24/2019 5:28:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
114	520196		
114	100		
63	20.7	0.0	41.4
88	16.0	0.0	32.0





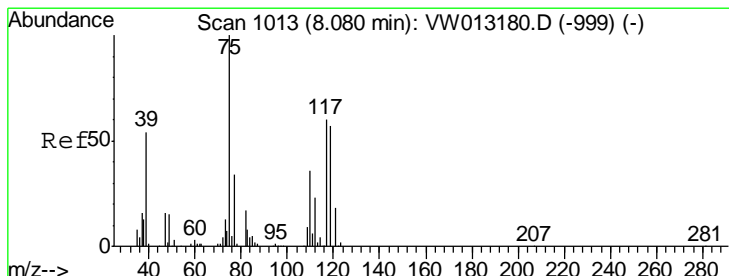
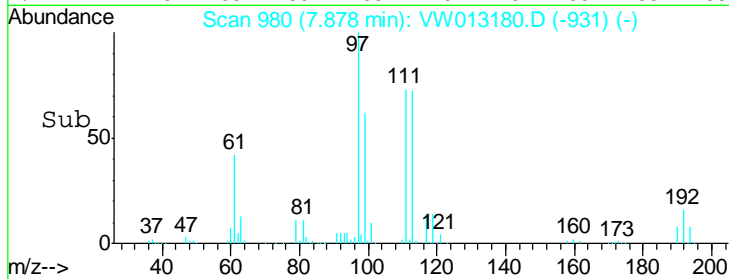
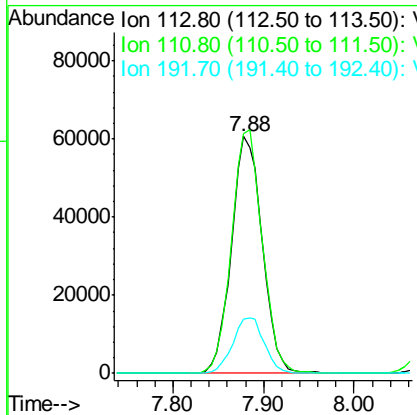
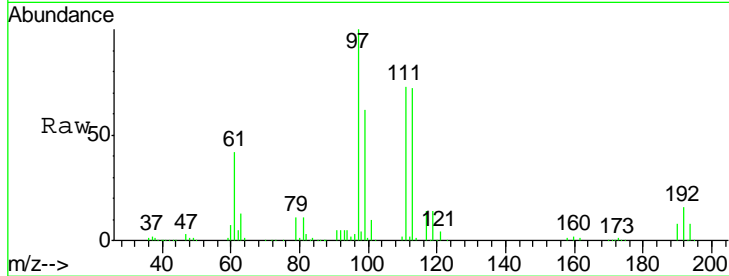
#35
 Dibromofluoromethane
 Concen: 51.251 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
113	144153		
113	100		
111	102.4	81.9	122.9
192	23.9	19.1	28.7

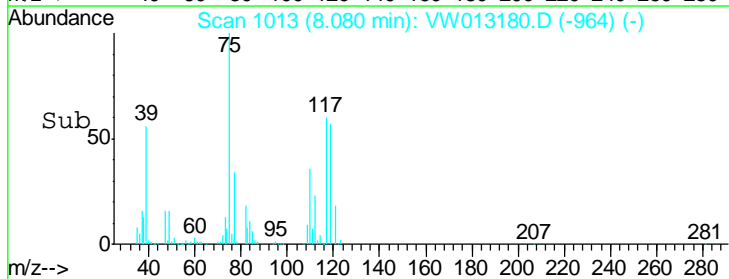
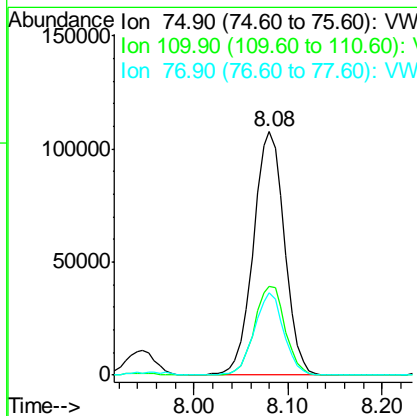
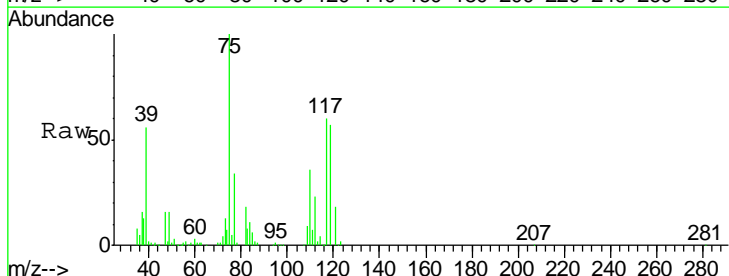
Manual Integrations
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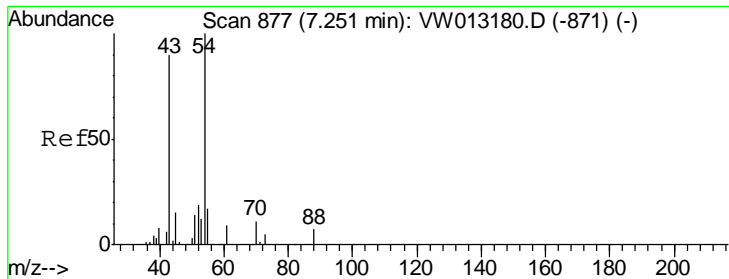
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 9/24/2019 5:28:45 AM



#36
 1,1-Dichloropropene
 Concen: 57.873 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
75	248226		
75	100		
110	36.2	18.1	54.3
77	32.2	25.8	38.6





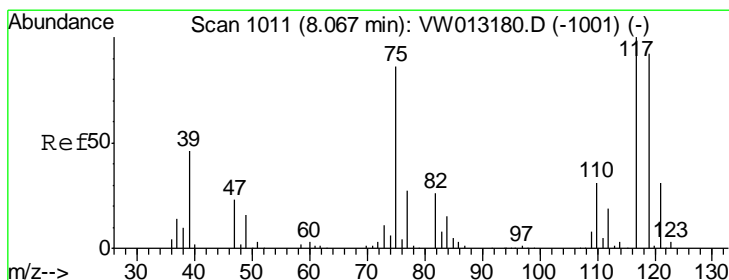
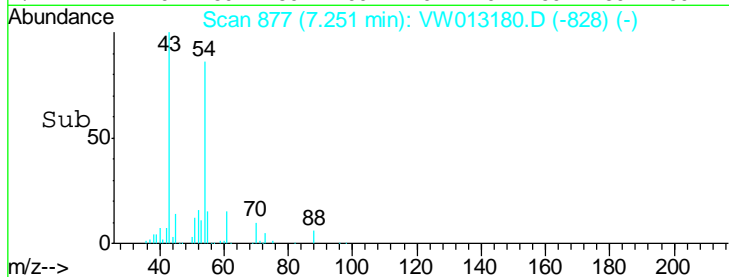
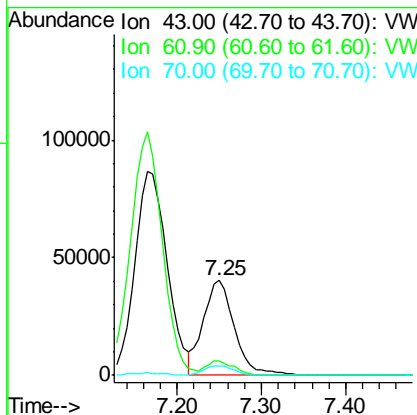
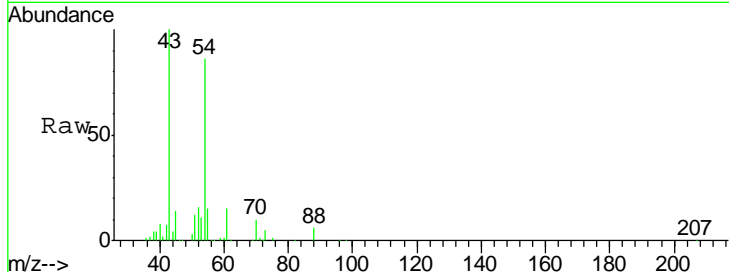
#37
 Ethyl Acetate
 Concen: 47.224 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	10.2	8.2	12.2

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

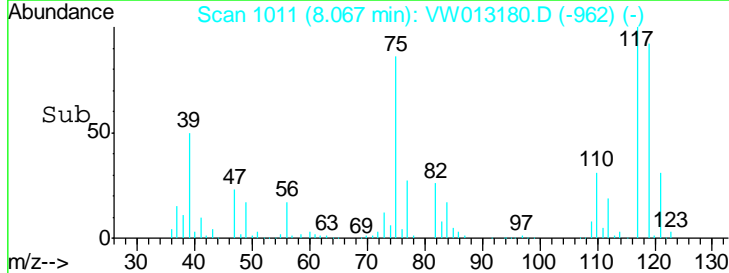
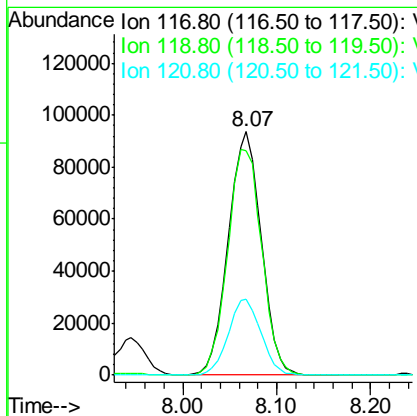
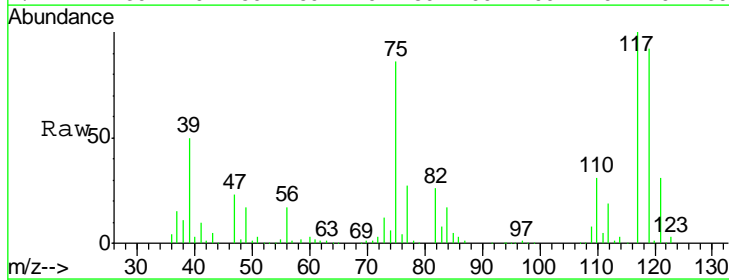
Manual Integrations
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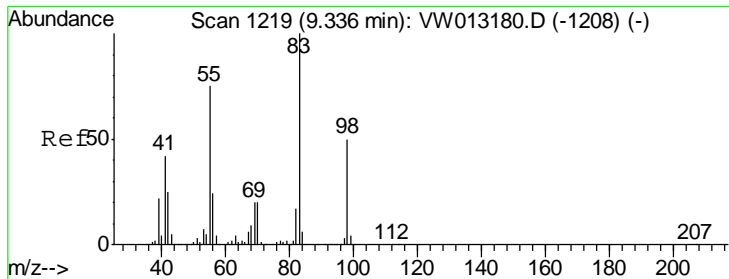
MMDadoda
 9/24/2019 5:28:45 AM



#38
 Carbon Tetrachloride
 Concen: 53.062 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
117	100		
119	91.9	73.5	110.3
121	31.3	25.0	37.6





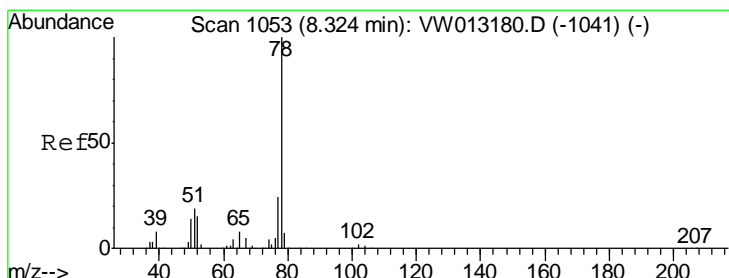
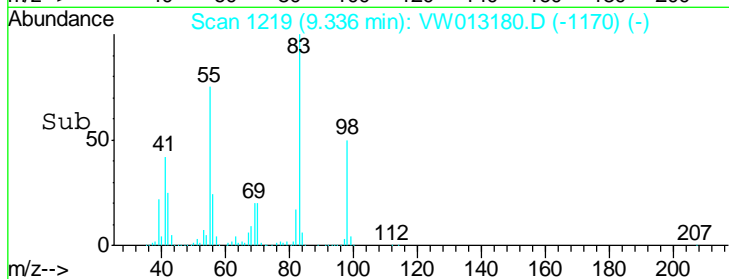
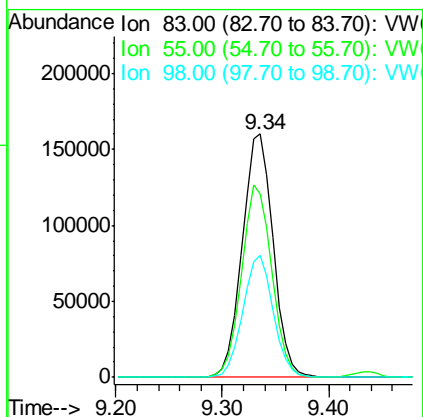
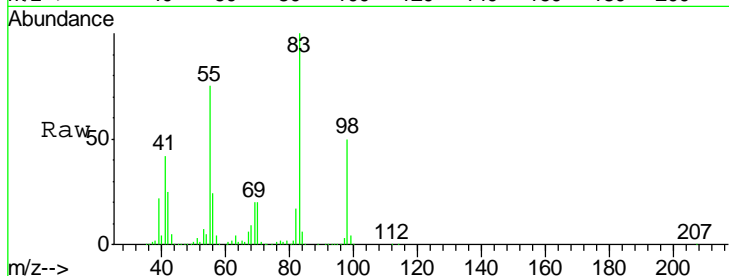
#39
 Methylcyclohexane
 Concen: 67.008 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	327630		
83	100		
55	75.5	60.4	90.6
98	50.0	40.0	60.0

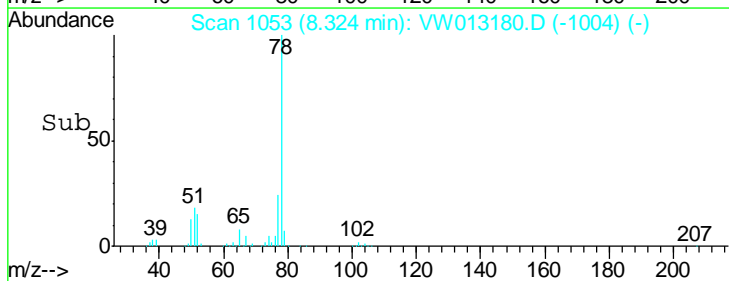
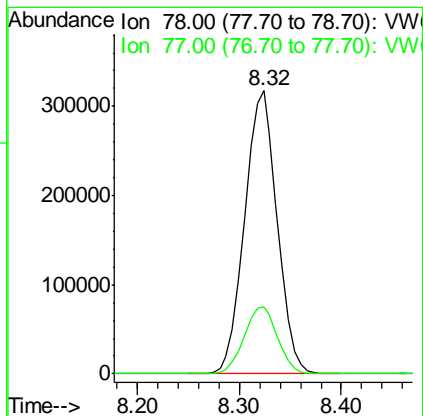
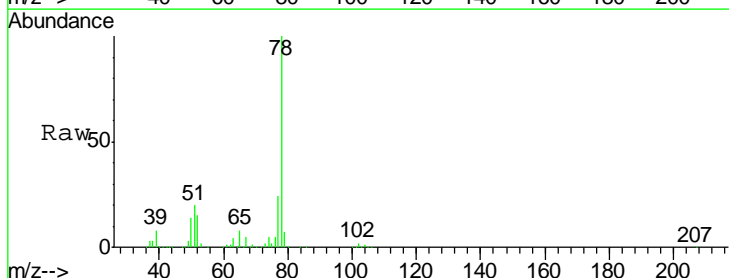
Manual Integrations
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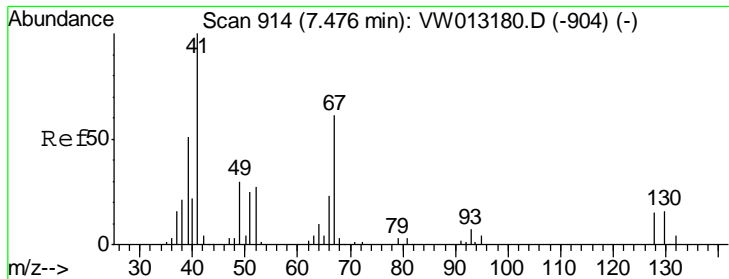
MMDadoda
 9/24/2019 5:28:45 AM



#40
 Benzene
 Concen: 58.572 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

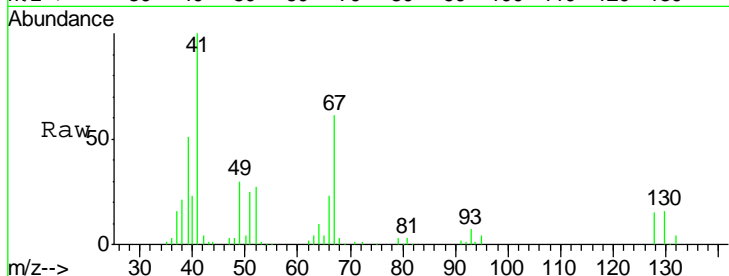
Tgt Ion	Resp	Lower	Upper
78	701356		
78	100		
77	23.9	19.1	28.7





#41
 Methacrylonitrile
 Concen: 44.896 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

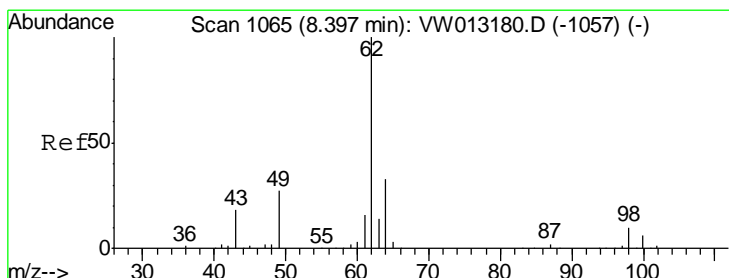
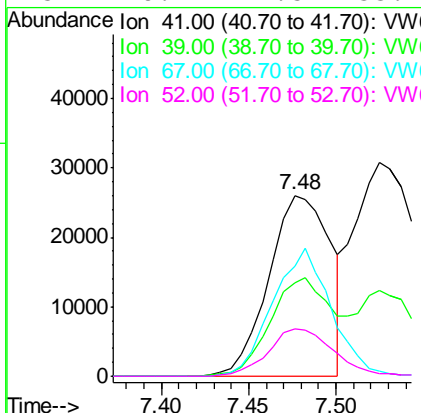
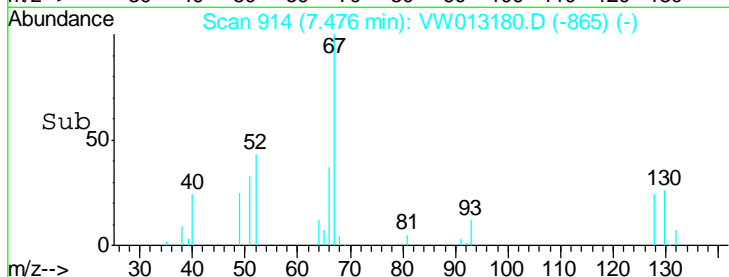


Tgt Ion: 41 Resp: 63836

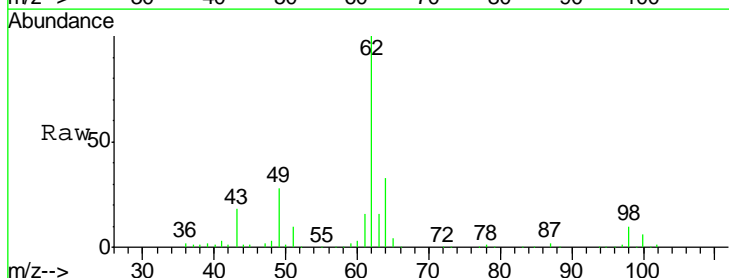
Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.9	68.9
67	68.1	54.5	81.7
52	28.1	22.5	33.7

Manual Integrations
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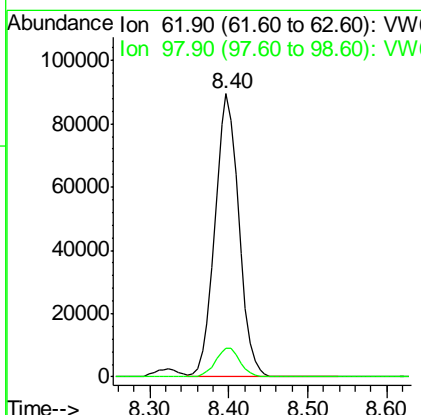
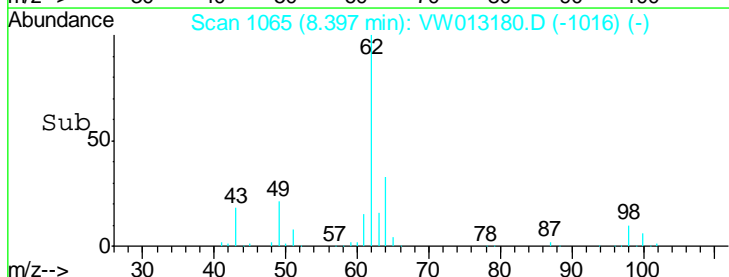


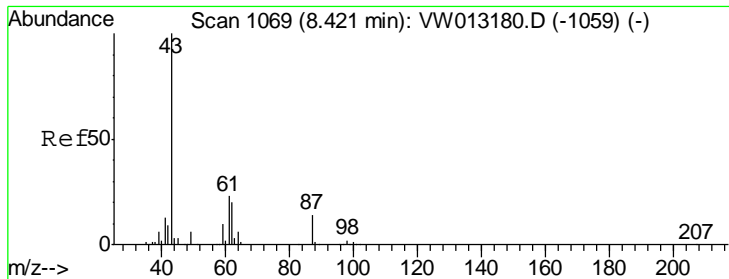
#42
 1,2-Dichloroethane
 Concen: 48.859 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01



Tgt Ion: 62 Resp: 188597

Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





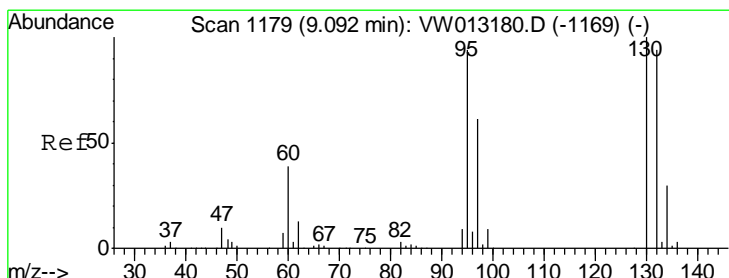
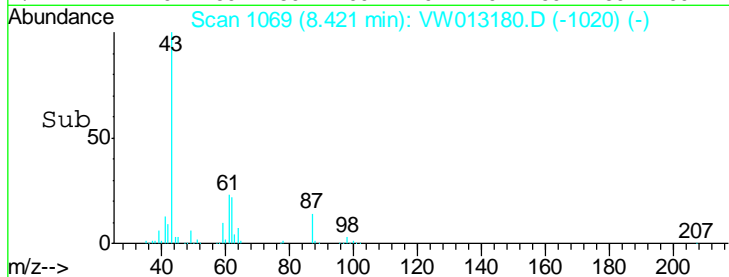
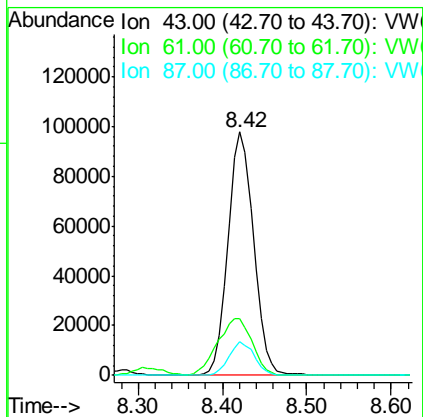
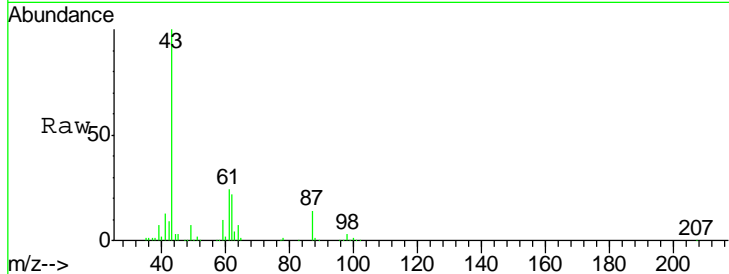
#43
 Isopropyl Acetate
 Concen: 48.007 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	31.9	25.5	38.3
87	13.7	11.0	16.4

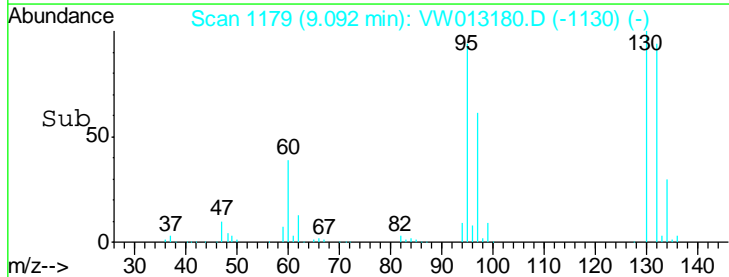
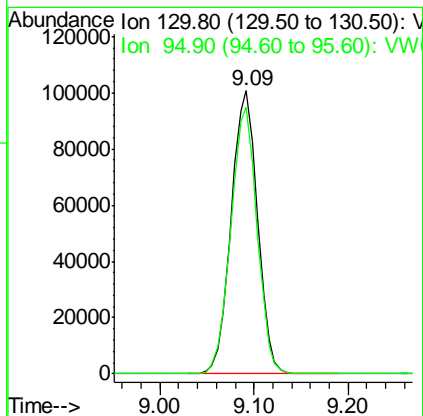
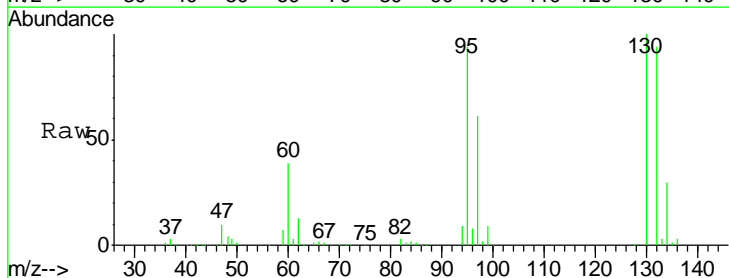
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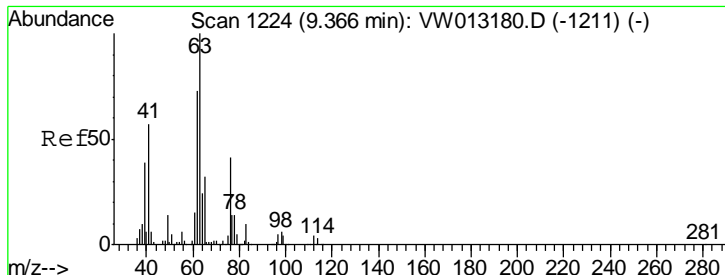
MMDadoda
 9/24/2019 5:28:45 AM



#44
 Trichloroethene
 Concen: 59.294 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.0	0.0	188.0





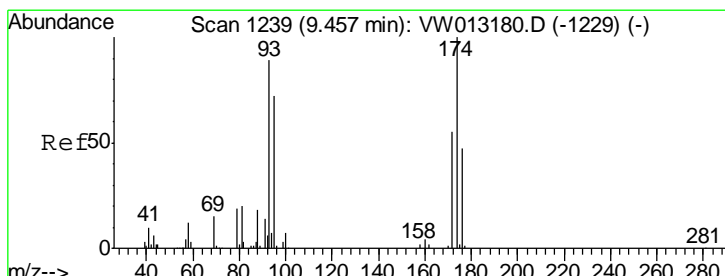
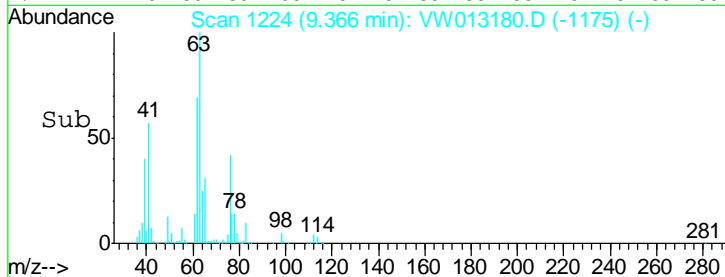
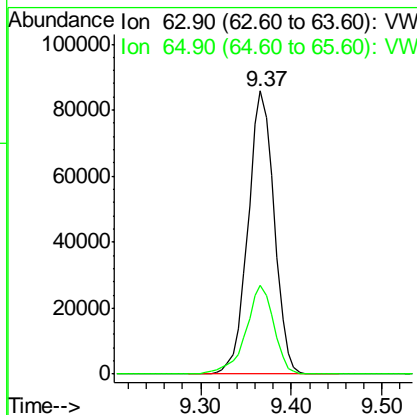
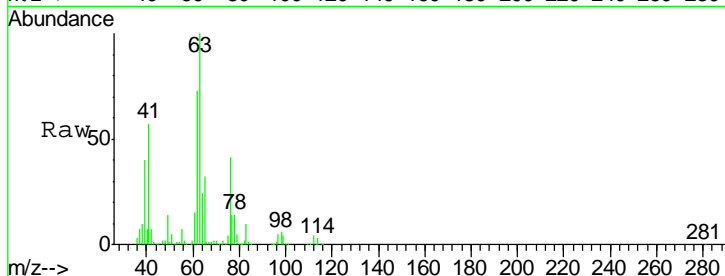
#45
 1,2-Dichloropropane
 Concen: 54.748 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
63	171000		
63	100		
65	31.6	25.3	37.9

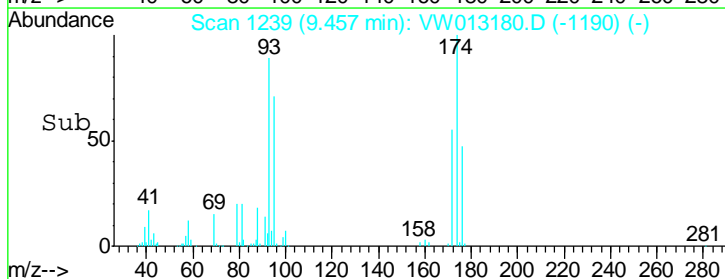
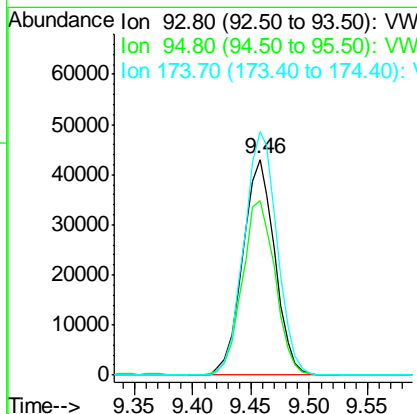
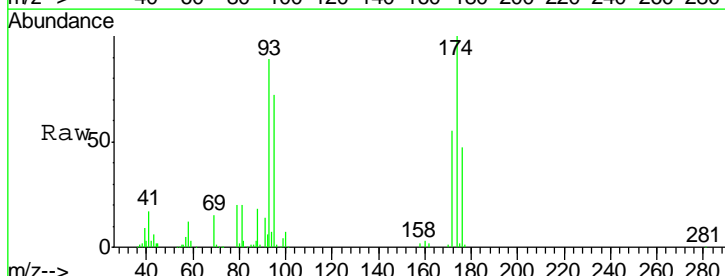
Manual Integrations
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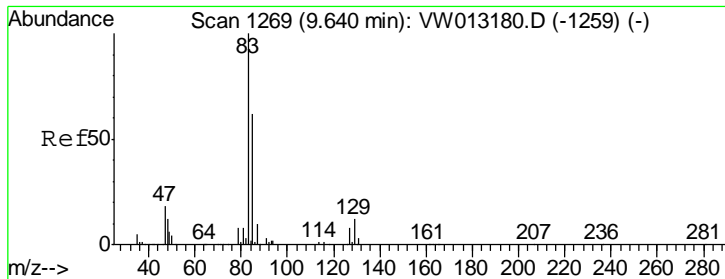
MMDadoda
 9/24/2019 5:28:45 AM



#46
 Dibromomethane
 Concen: 55.150 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

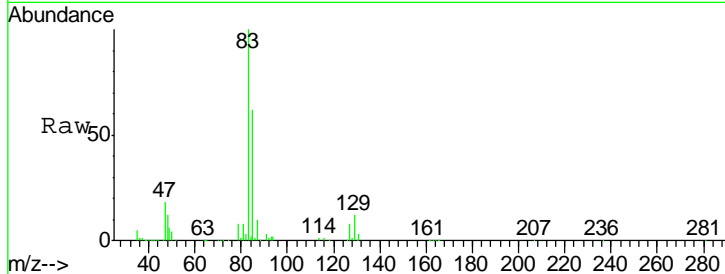
Tgt Ion	Resp	Lower	Upper
93	82726		
93	100		
95	83.0	66.4	99.6
174	116.3	93.0	139.6





#47
 Bromodichloromethane
 Concen: 51.860 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

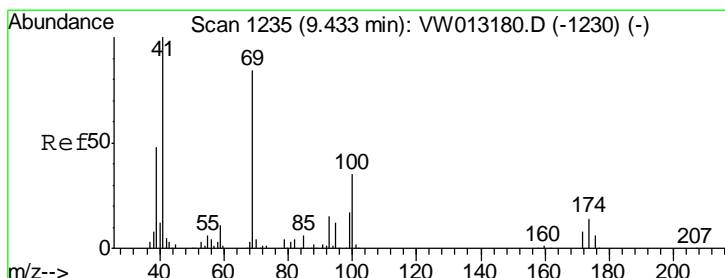
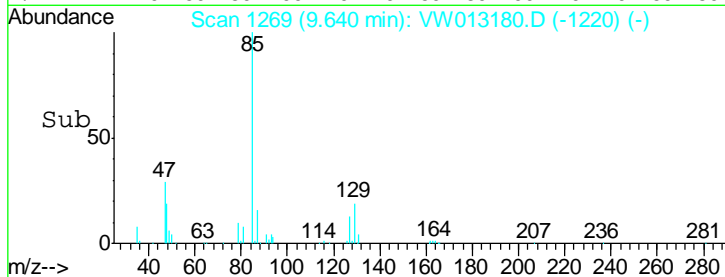
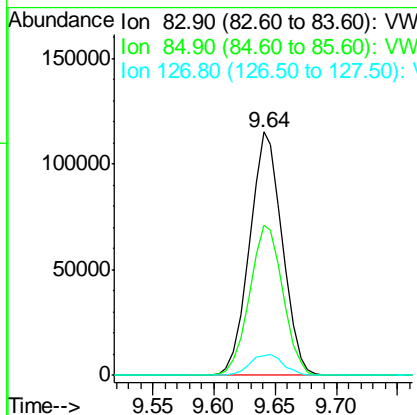
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050



Tgt Ion	Resp	Lower	Upper
83	100		
85	61.8	49.4	74.2
127	8.1	6.5	9.7

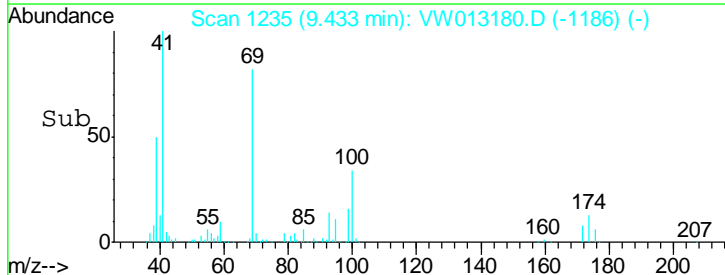
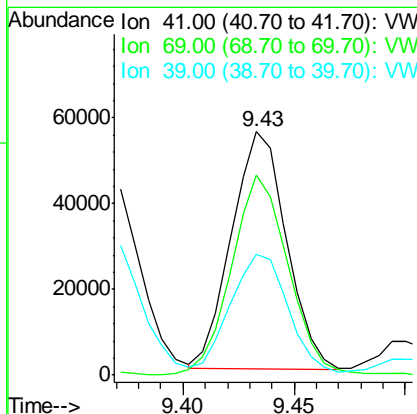
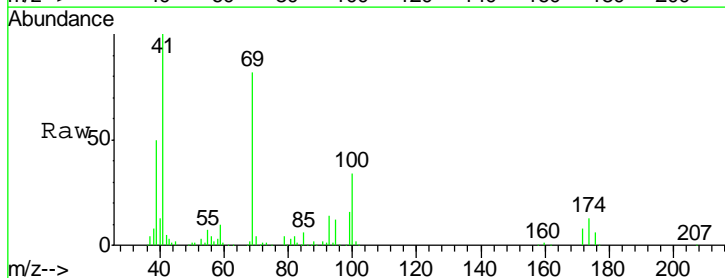
Manual Integrations
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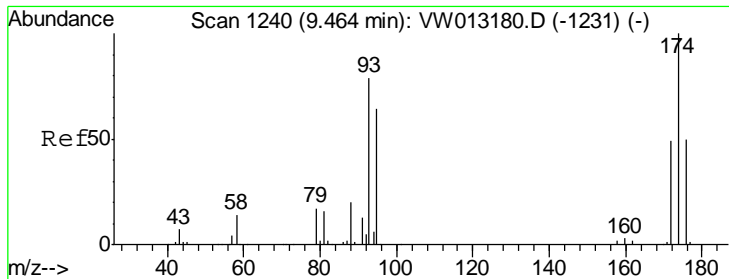
MMDadoda
 9/24/2019 5:28:45 AM



#48
 Methyl methacrylate
 Concen: 48.218 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
41	100		
69	87.1	69.7	104.5
39	51.4	41.1	61.7





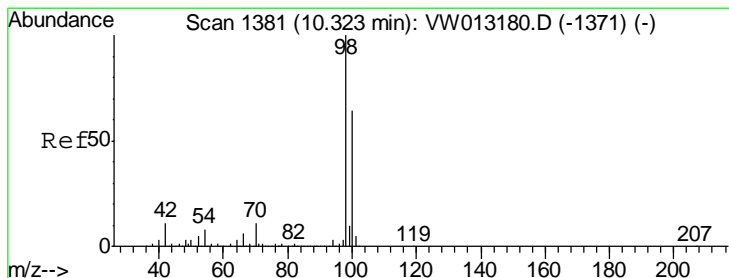
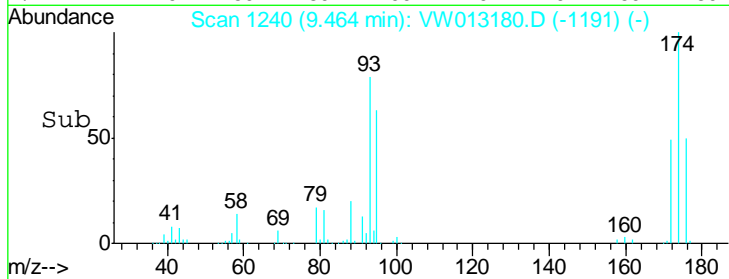
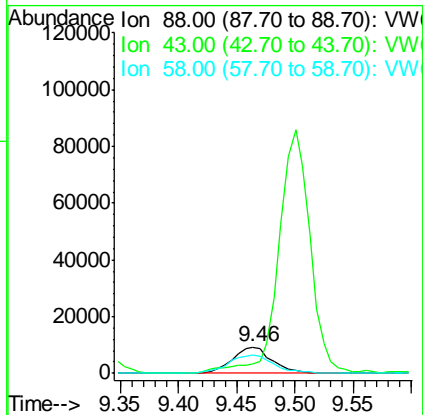
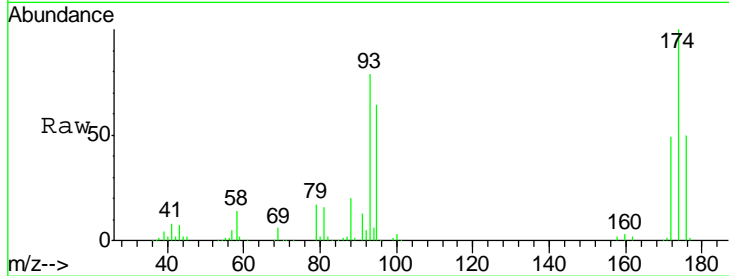
#49
 1,4-Dioxane
 Concen: 900.571 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	81.7	65.4	98.0

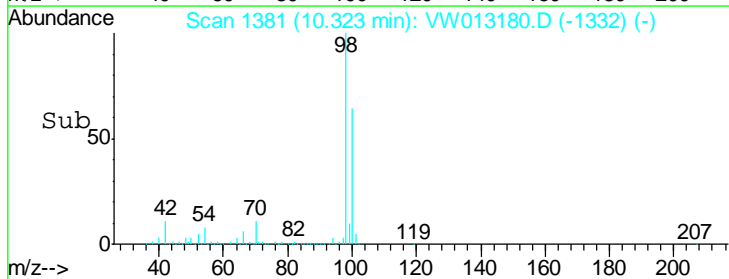
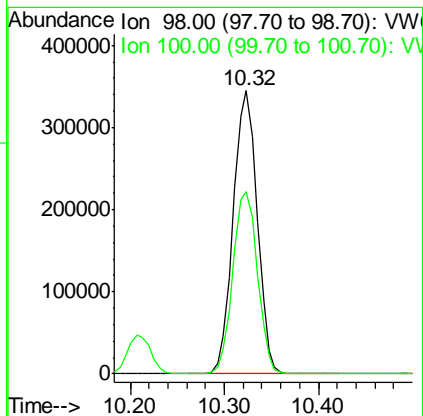
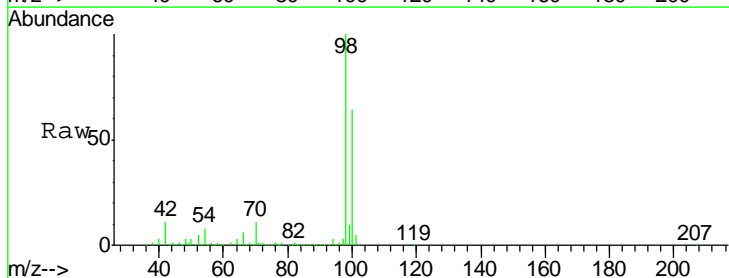
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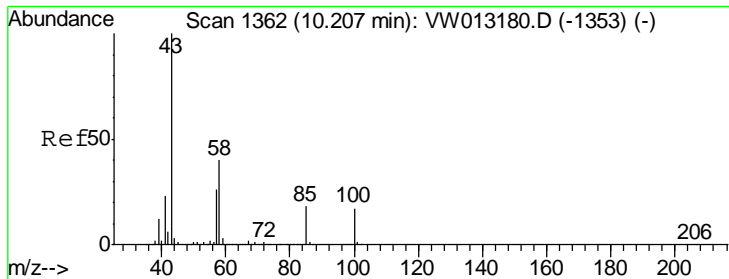
MMDadoda
 9/24/2019 5:28:45 AM



#50
 Toluene-d8
 Concen: 55.094 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.1	52.9	79.3





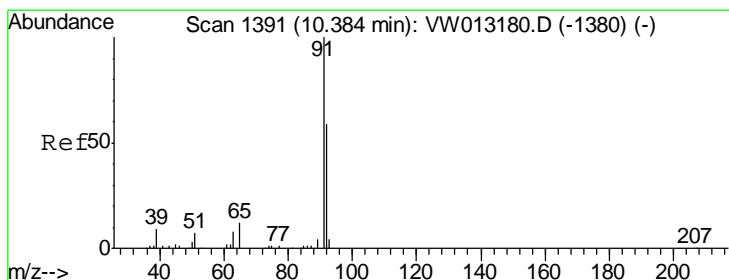
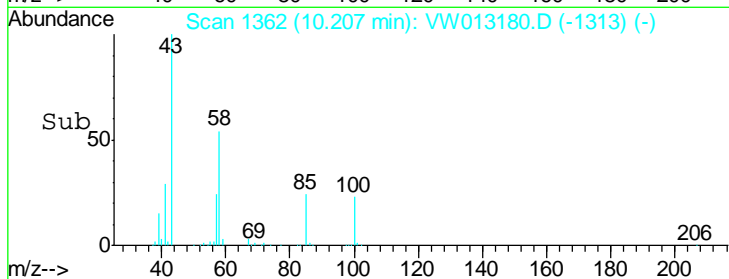
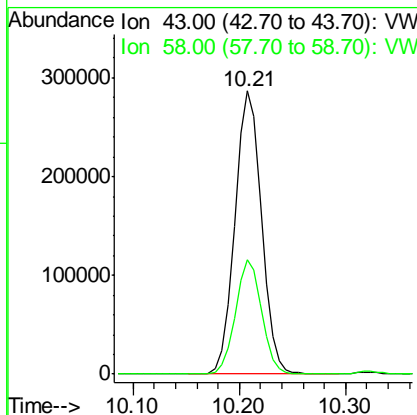
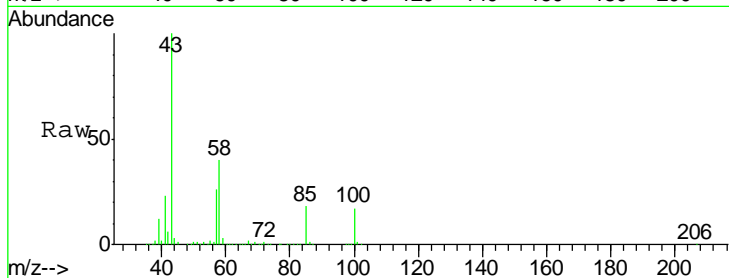
#51
 4-Methyl-2-Pentanone
 Concen: 234.766 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.6	31.7	47.5

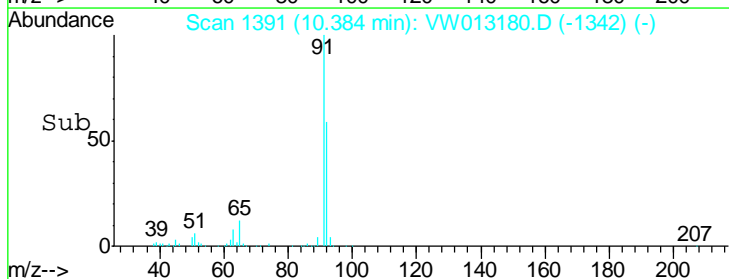
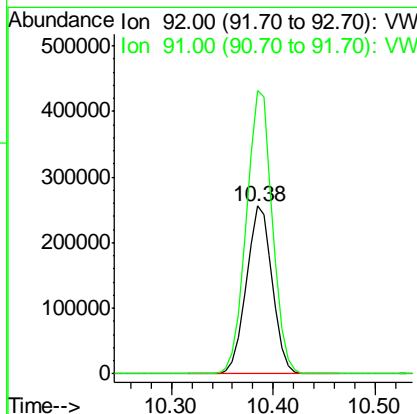
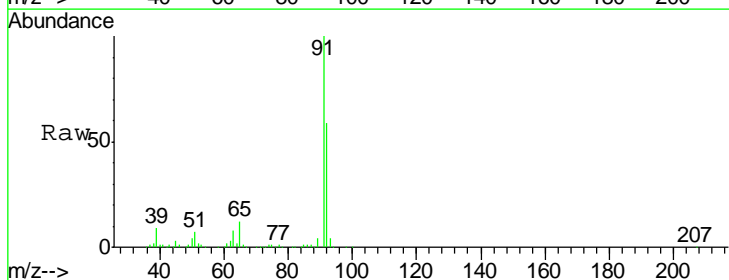
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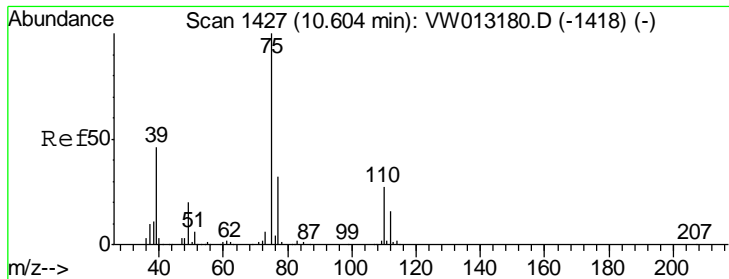
MMDadoda
 9/24/2019 5:28:45 AM



#52
 Toluene
 Concen: 59.379 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.6	135.7	203.5





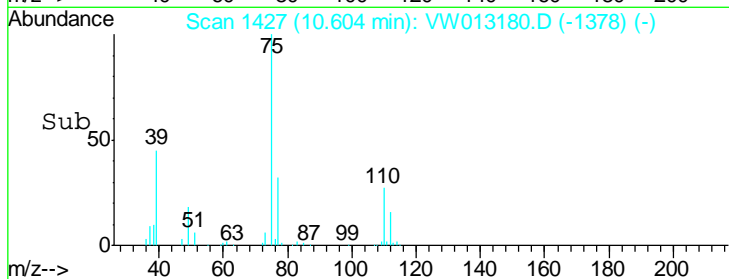
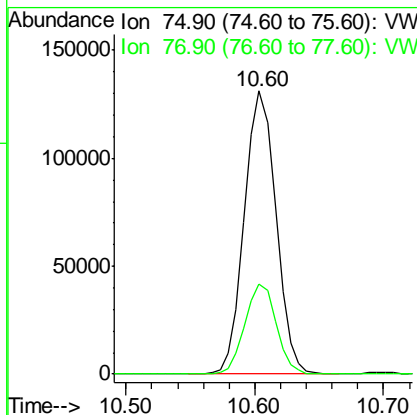
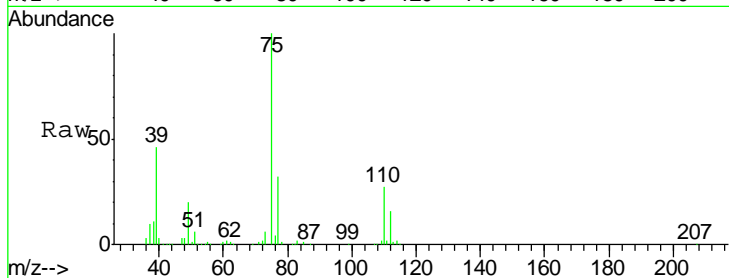
#53
 t-1,3-Dichloropropene
 Concen: 53.337 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.9	25.5	38.3

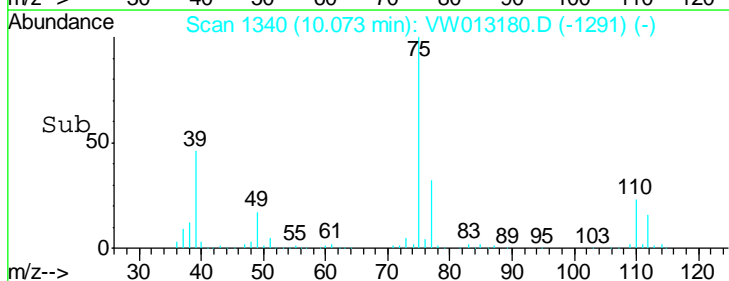
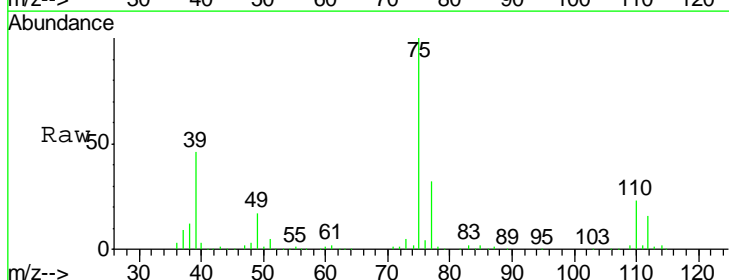
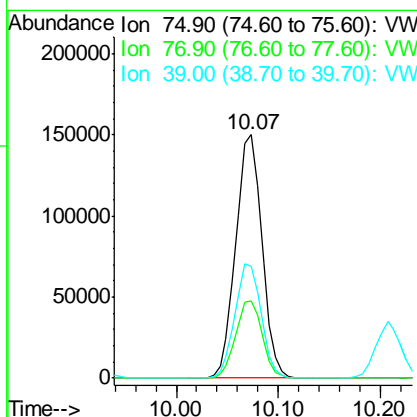
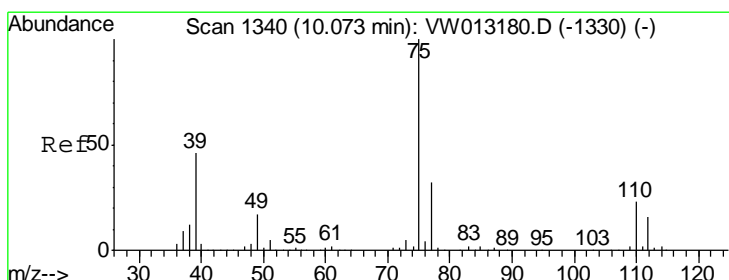
Manual Integrations
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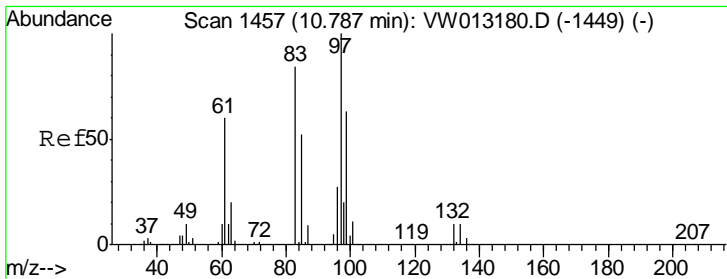
MMDadoda
 9/24/2019 5:28:45 AM



#54
 cis-1,3-Dichloropropene
 Concen: 55.296 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	45.8	36.6	55.0





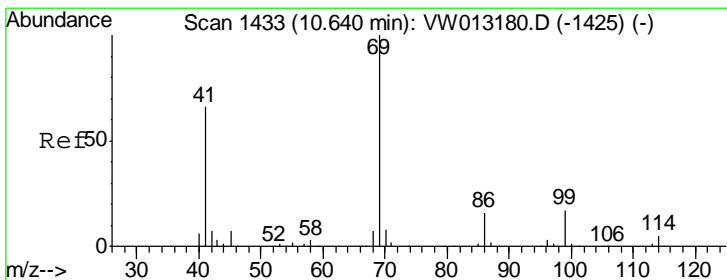
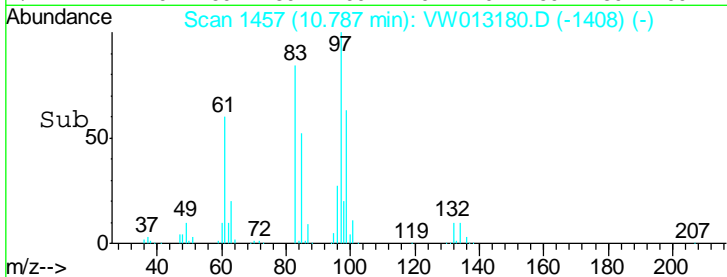
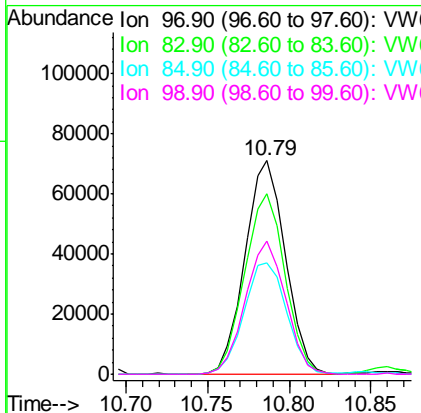
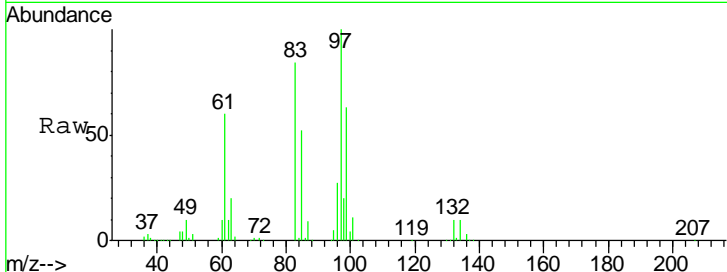
#55
 1,1,2-Trichloroethane
 Concen: 53.817 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
97	122566		
97	100		
83	84.5	67.6	101.4
85	52.4	41.9	62.9
99	62.6	50.1	75.1

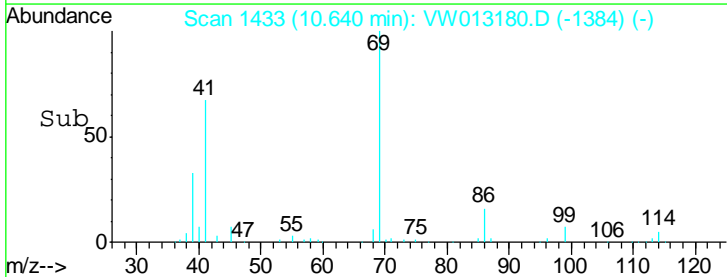
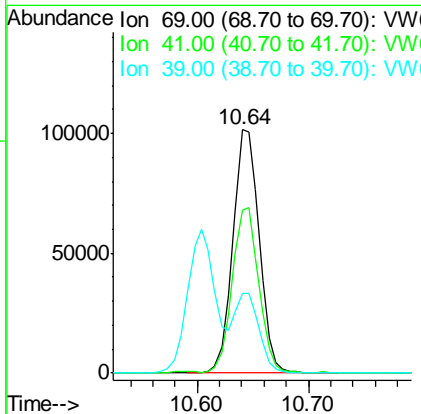
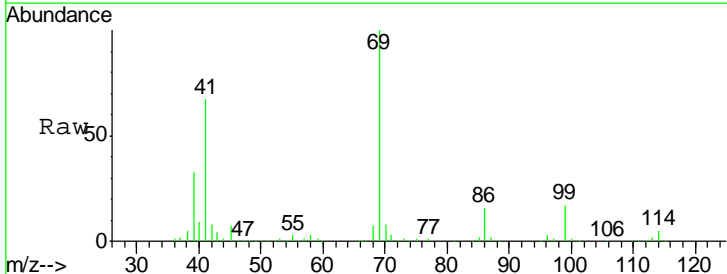
Manual Integrations
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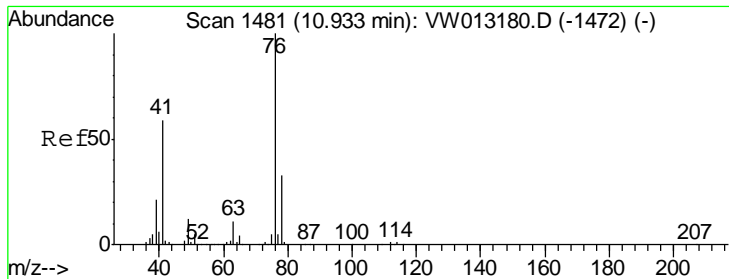
MMDadoda
 9/24/2019 5:28:45 AM



#56
 Ethyl methacrylate
 Concen: 54.572 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
69	166300		
69	100		
41	67.4	53.9	80.9
39	29.7	23.8	35.6





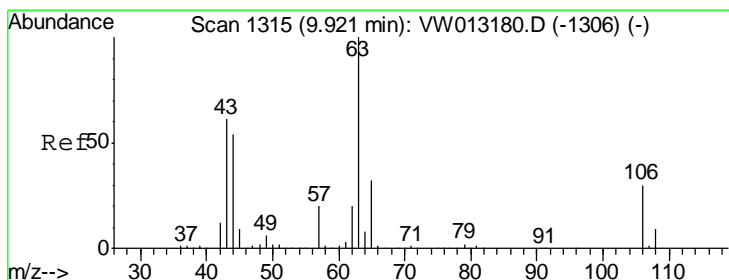
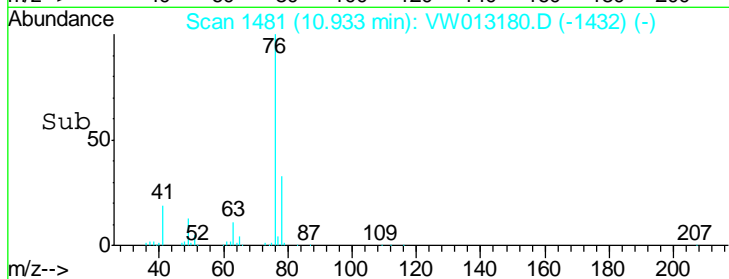
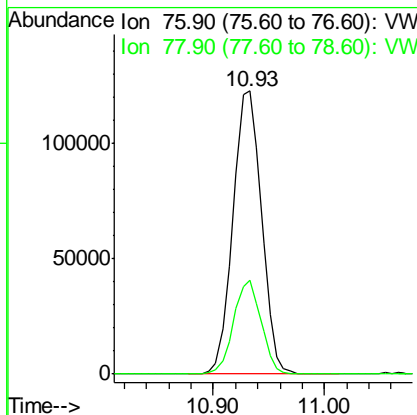
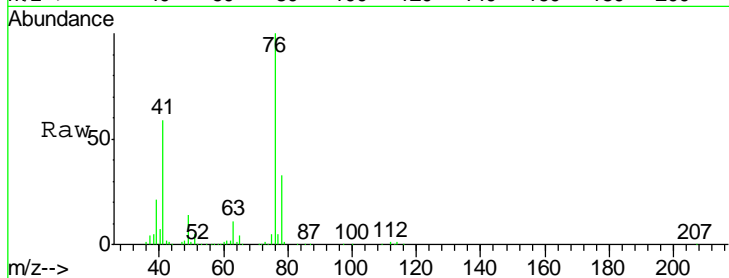
#57
 1,3-Dichloropropane
 Concen: 54.058 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	217807		
76	100		
78	31.9	25.5	38.3

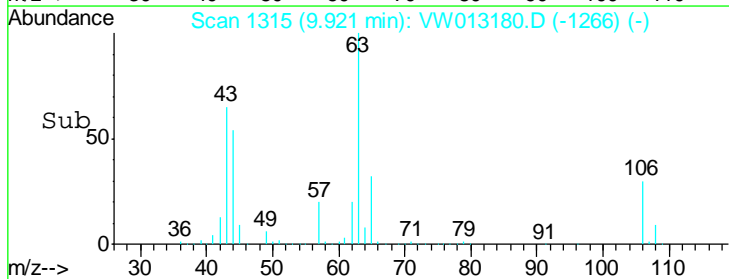
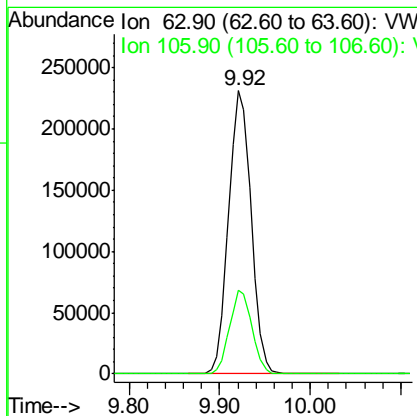
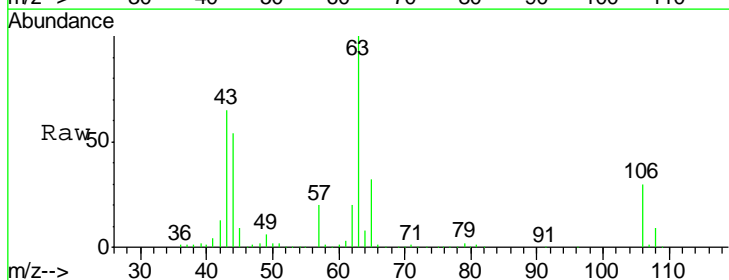
Manual Integrations
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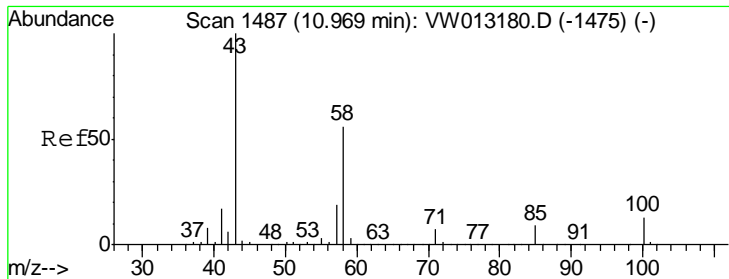
MMDadoda
 9/24/2019 5:28:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.108 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
63	398369		
63	100		
106	29.2	23.4	35.0





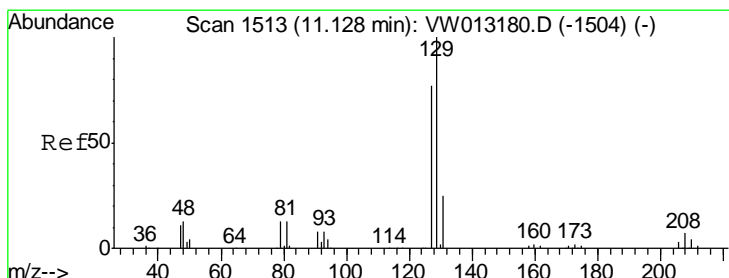
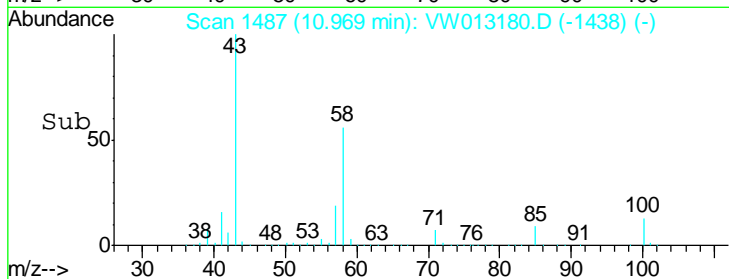
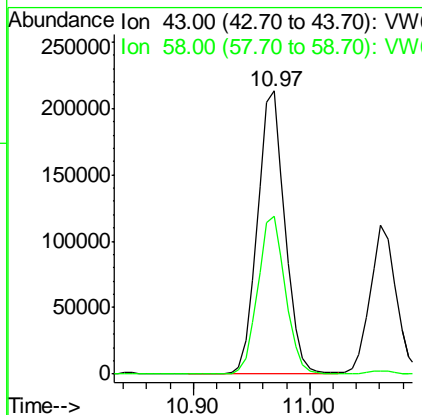
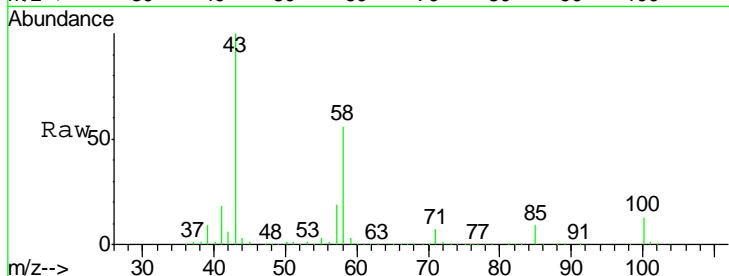
#59
 2-Hexanone
 Concen: 234.044 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.1	28.1	84.2

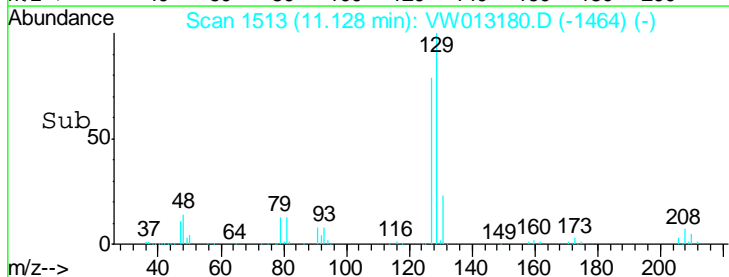
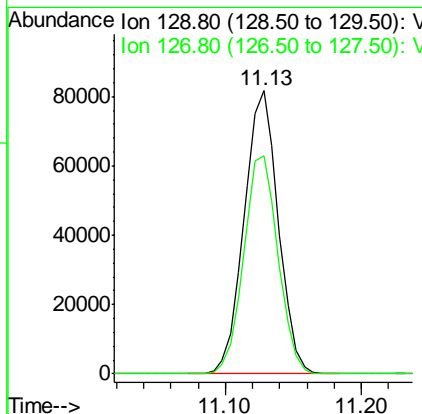
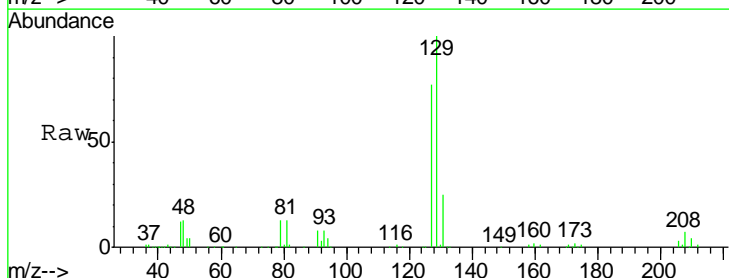
Manual Integrations
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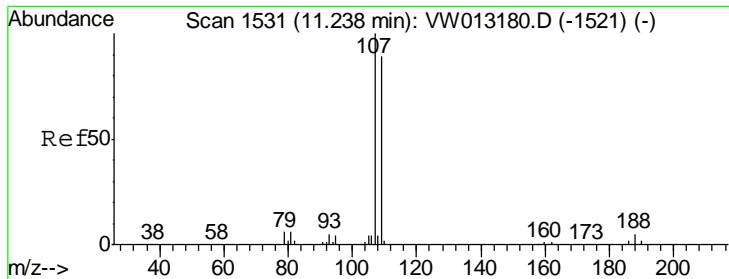
MMDadoda
 9/24/2019 5:28:45 AM



#60
 Dibromochloromethane
 Concen: 52.683 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.6	38.8	116.4





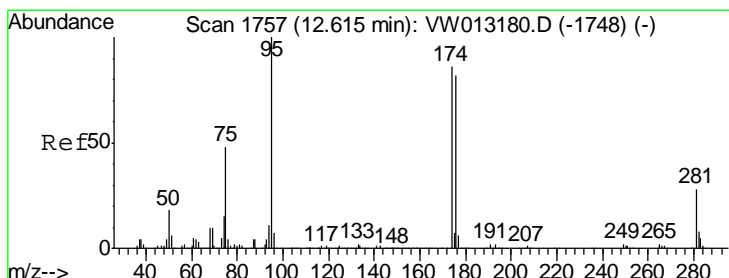
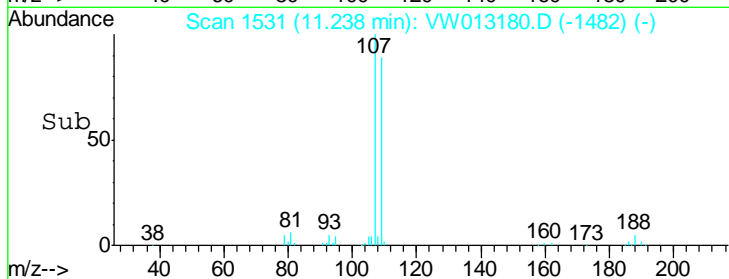
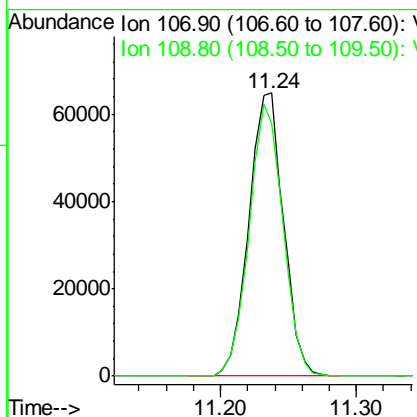
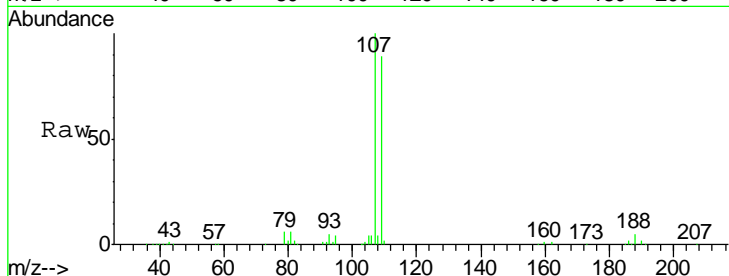
#61
 1,2-Dibromoethane
 Concen: 55.611 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
107	115901		
109	94.0	75.2	112.8

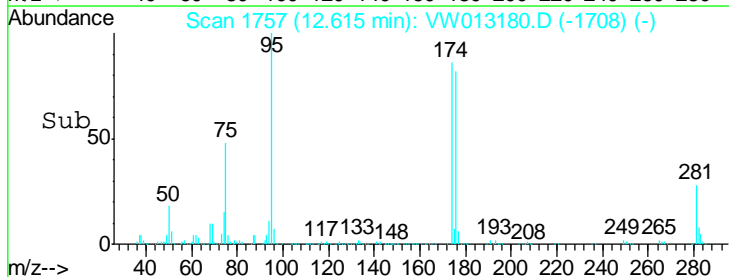
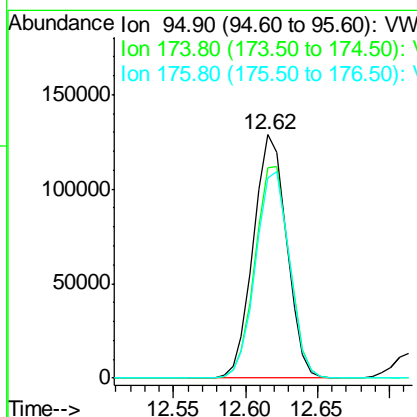
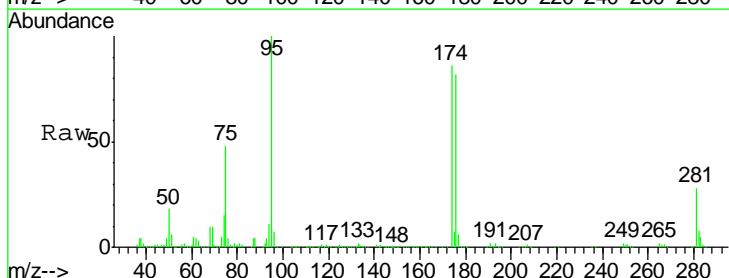
Manual Integrations
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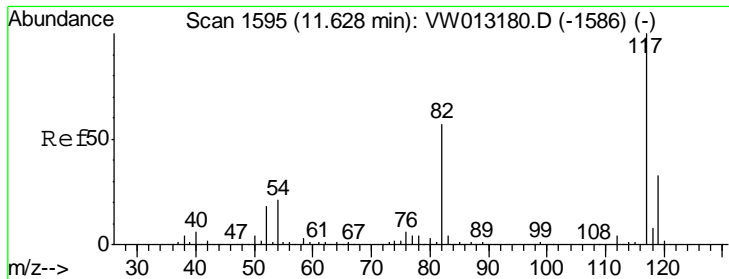
MMDadoda
 9/24/2019 5:28:45 AM



#62
 4-Bromofluorobenzene
 Concen: 51.941 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
95	206285		
174	89.2	0.0	178.4
176	86.1	0.0	172.2





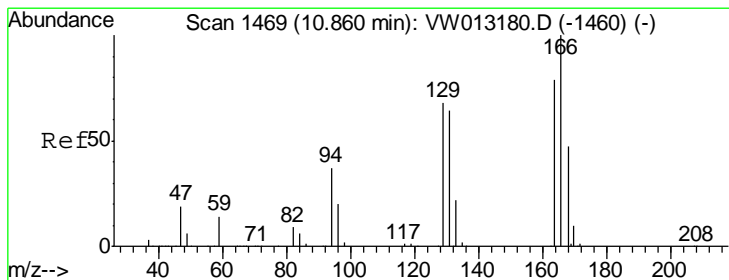
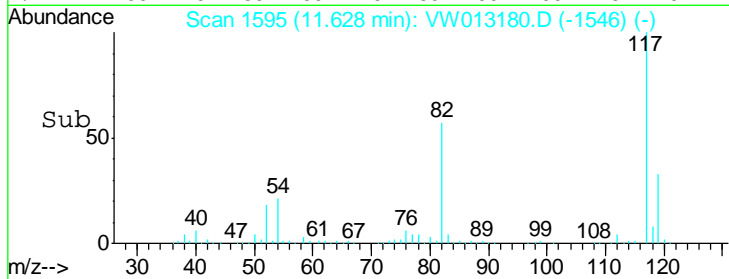
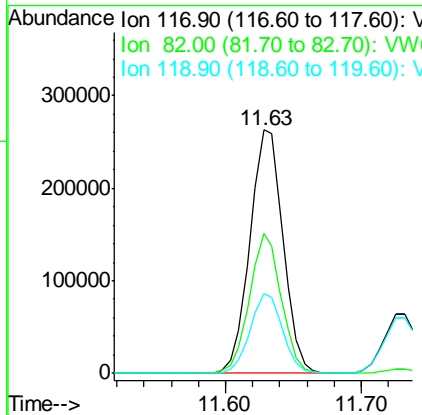
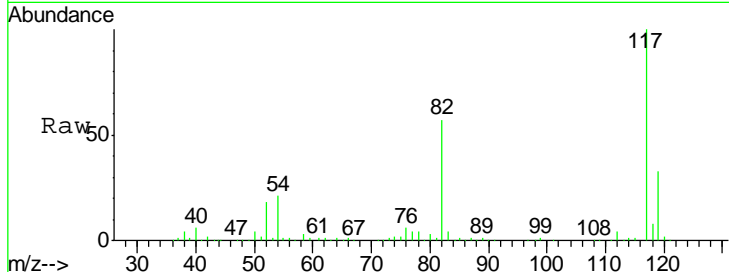
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
117	100		
82	57.4	45.9	68.9
119	32.7	26.2	39.2

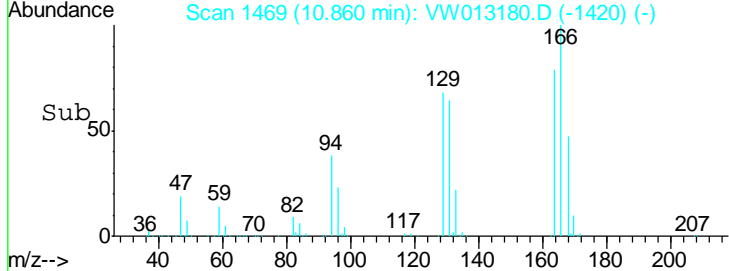
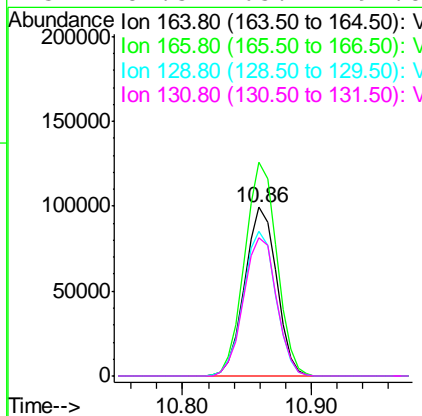
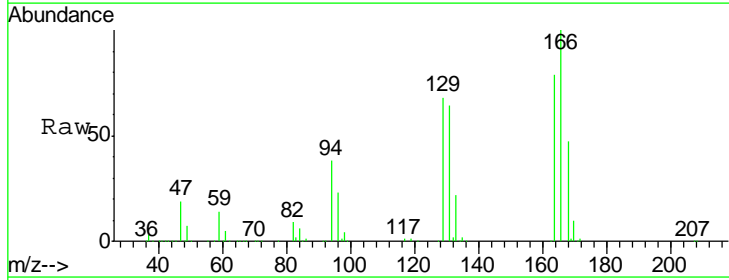
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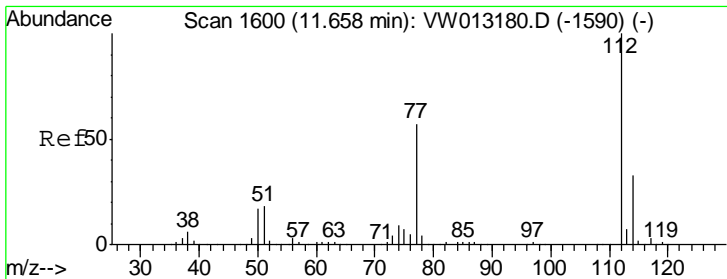
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 9/24/2019 5:28:45 AM



#64
 Tetrachloroethene
 Concen: 60.631 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
164	100		
166	126.5	101.2	151.8
129	86.0	68.8	103.2
131	81.5	65.2	97.8





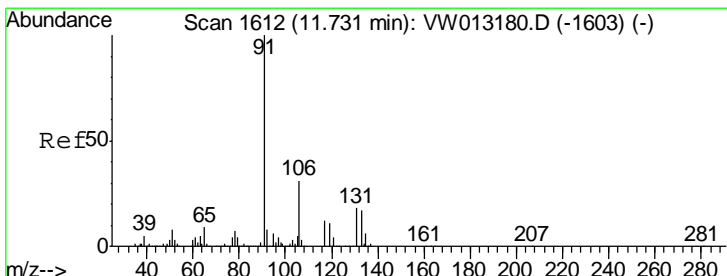
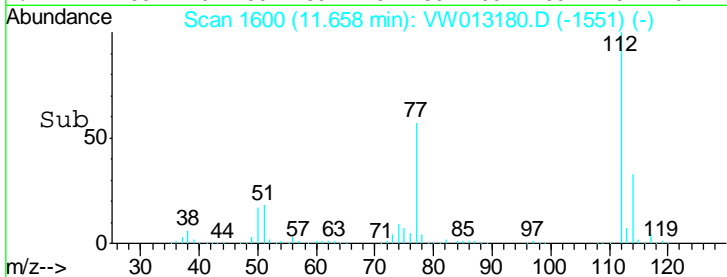
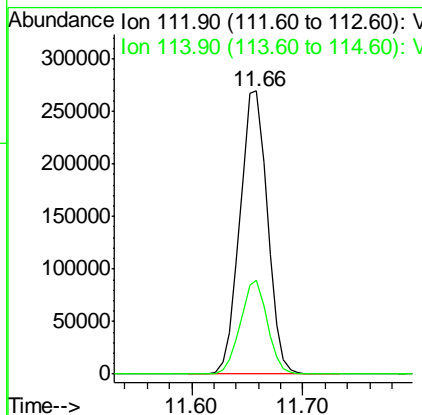
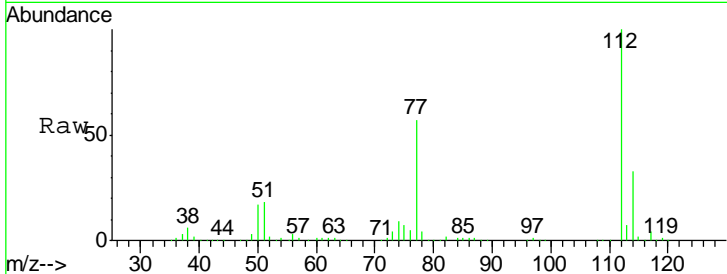
#65
 Chlorobenzene
 Concen: 56.335 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
112	100		
114	33.1	26.5	39.7

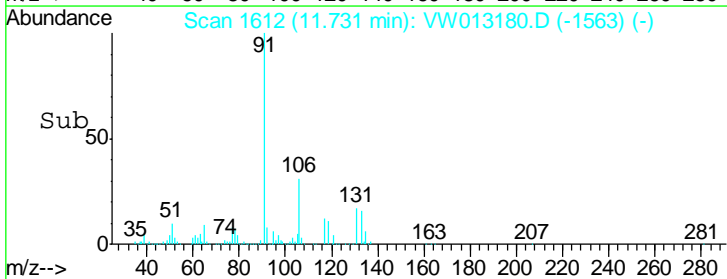
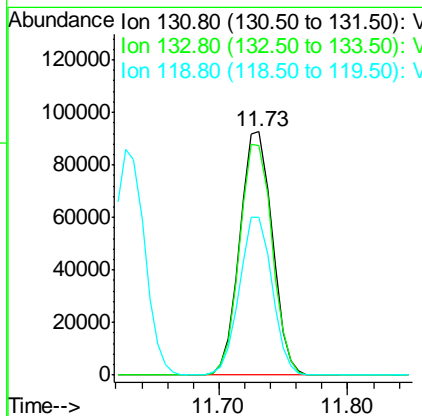
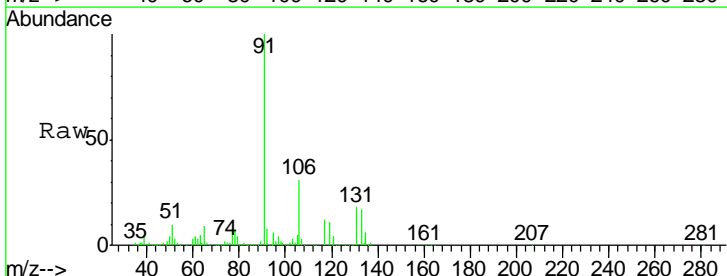
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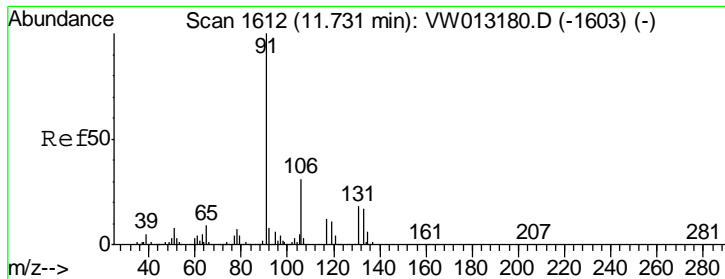
MMDadoda
 9/24/2019 5:28:45 AM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.650 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.1	47.5	142.6
119	65.0	32.5	97.5





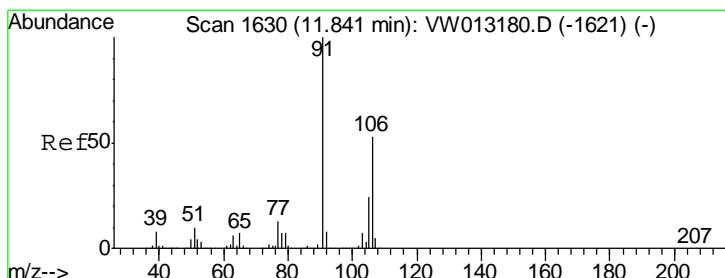
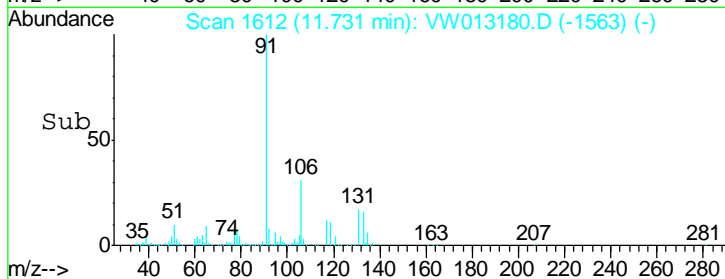
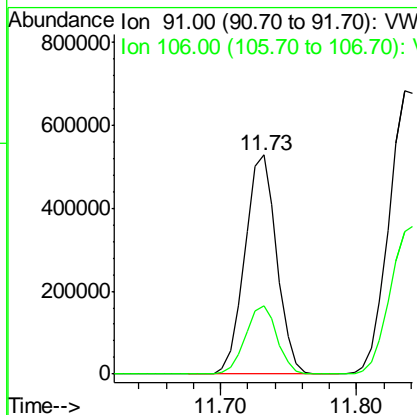
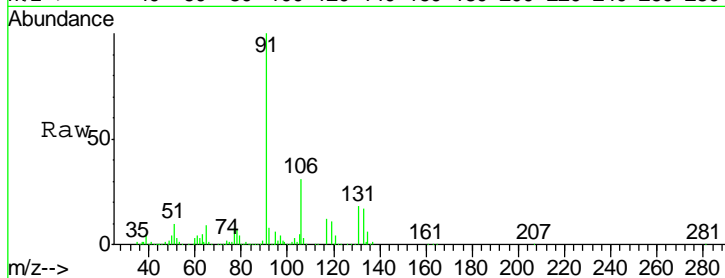
#67
 Ethyl Benzene
 Concen: 57.157 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.1	24.9	37.3

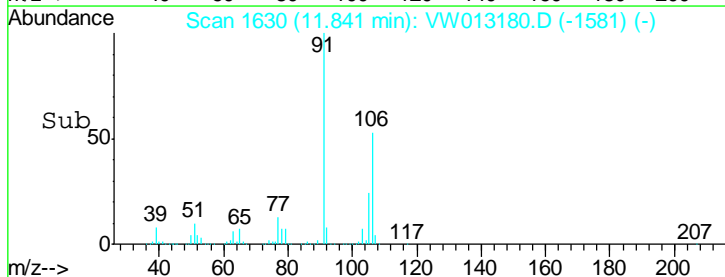
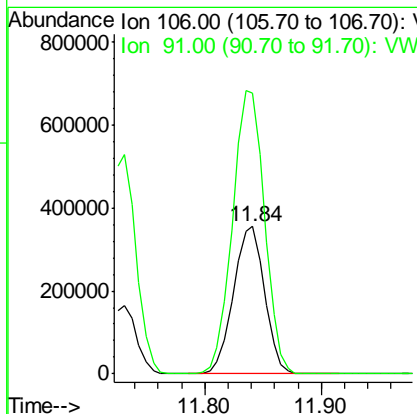
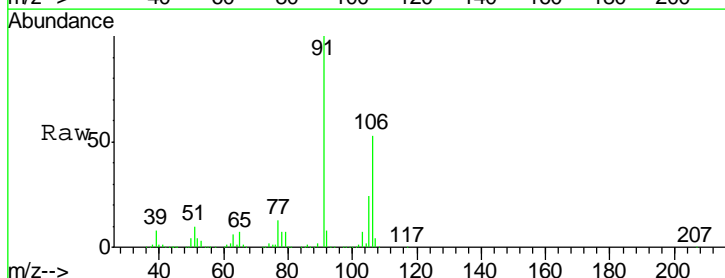
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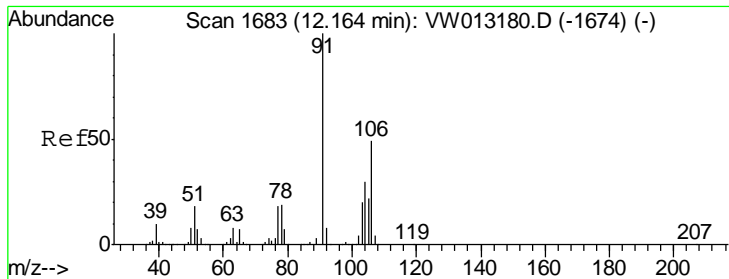
MMDadoda
 9/24/2019 5:28:45 AM



#68
 m/p-Xylenes
 Concen: 118.835 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
106	100		
91	197.4	157.9	236.9





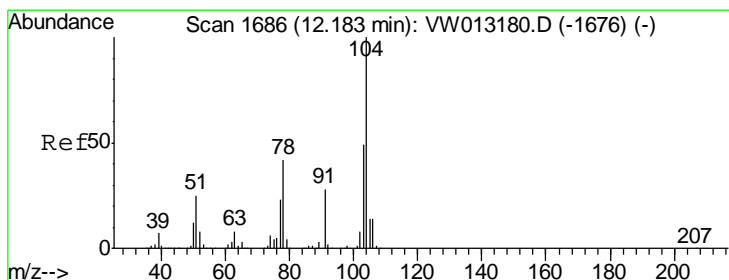
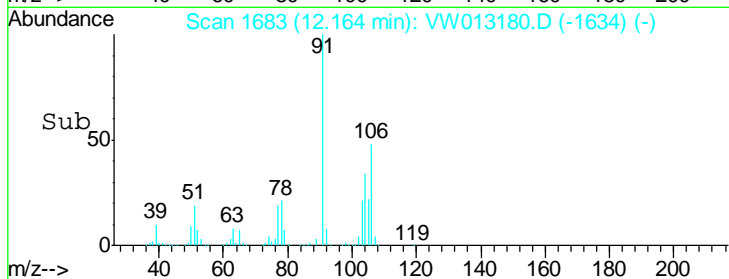
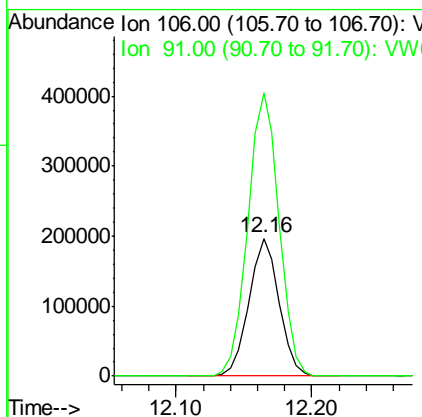
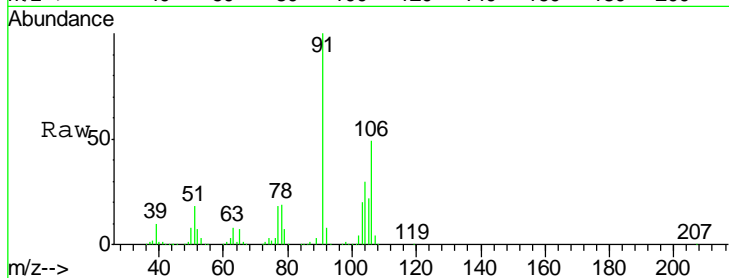
#69
 o-Xylene
 Concen: 58.457 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
106	304359		
106	100		
91	213.0	106.5	319.5

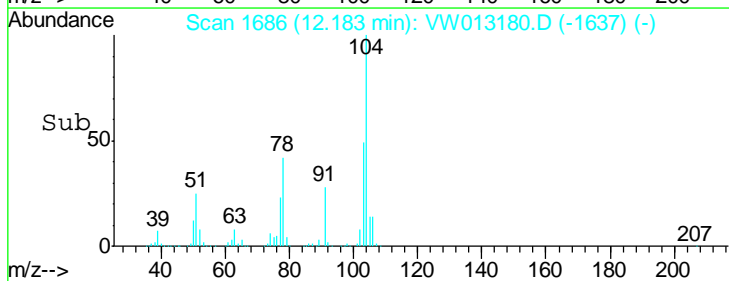
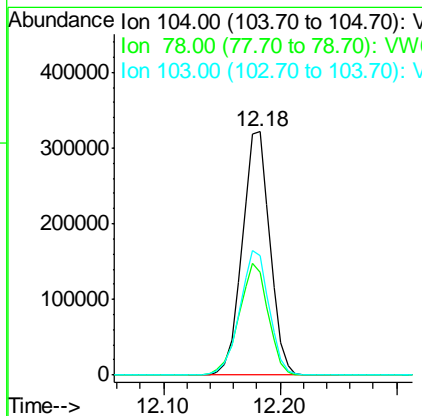
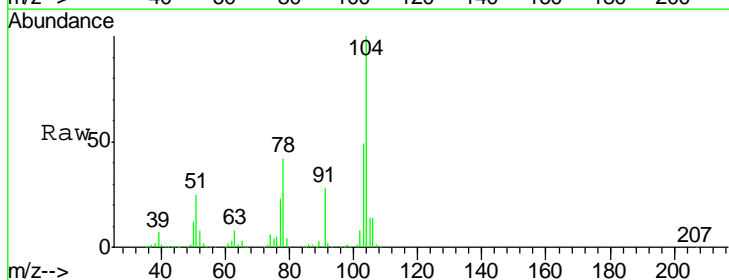
Manual Integrations
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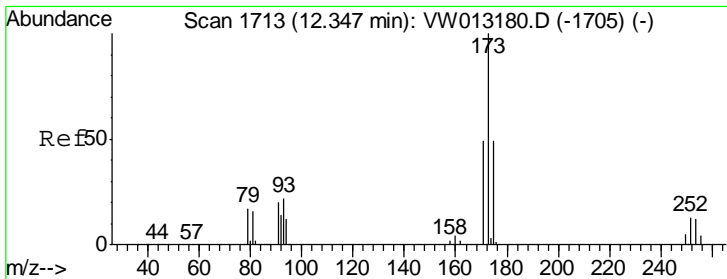
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#70
 Styrene
 Concen: 57.781 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
104	533121		
104	100		
78	48.0	38.4	57.6
103	54.1	43.3	64.9





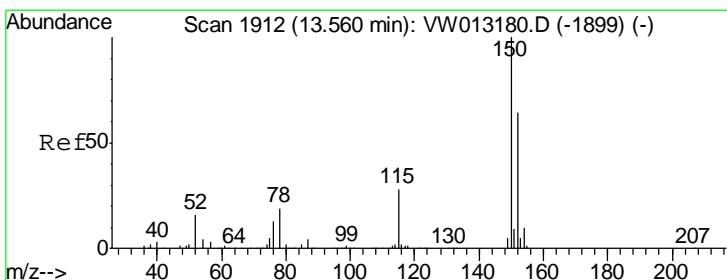
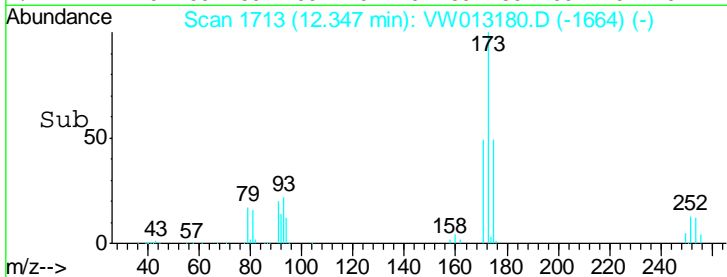
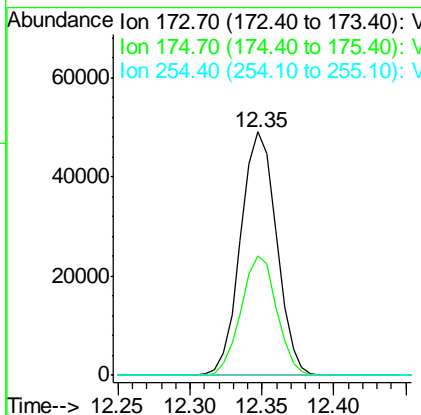
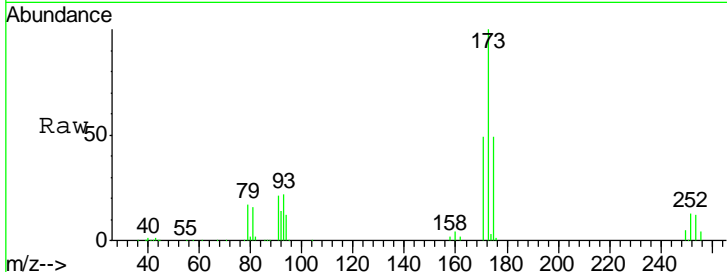
#71
 Bromoform
 Concen: 52.774 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1

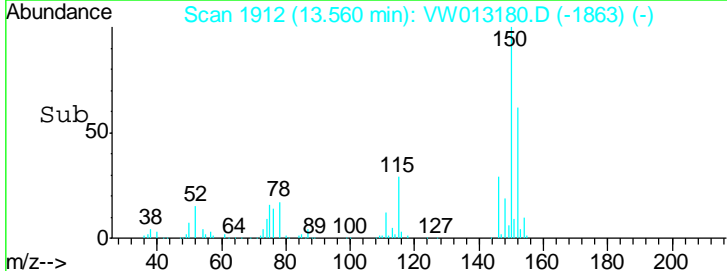
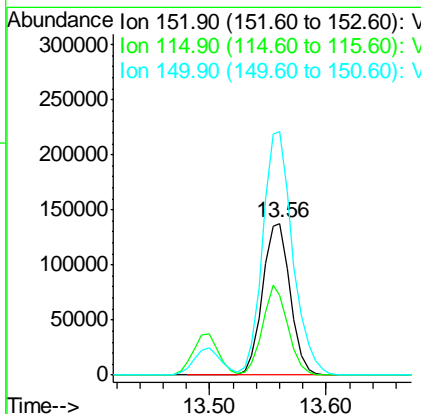
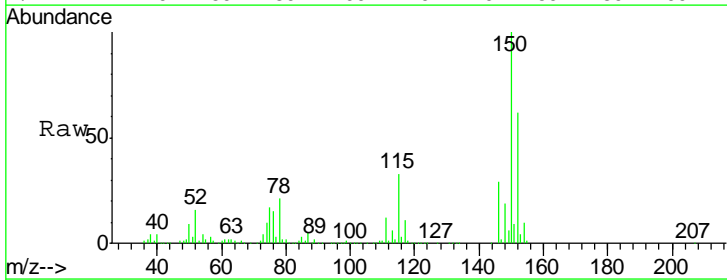
Manual Integrations
 APPROVED

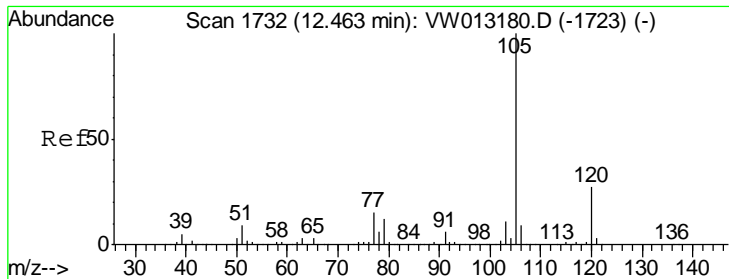
MMDadoda
 9/24/2019 5:28:45 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.6	27.3	81.9
150	174.5	0.0	349.0





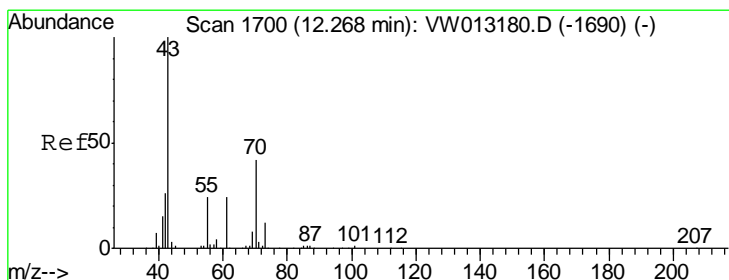
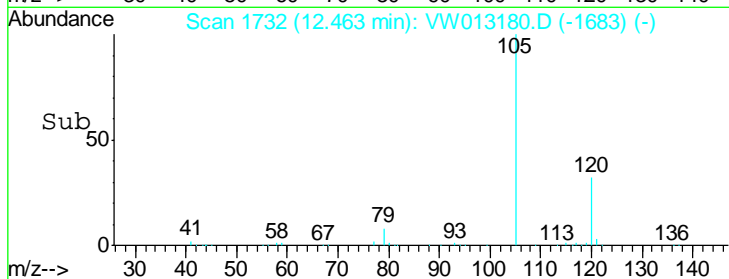
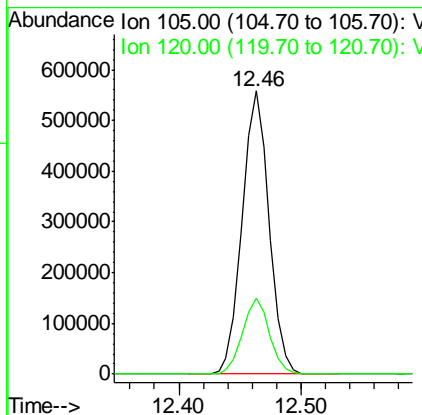
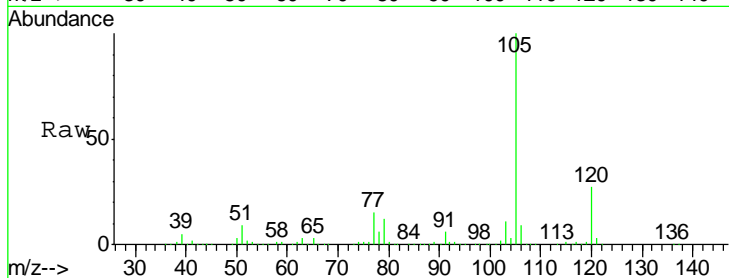
#73
 Isopropylbenzene
 Concen: 55.684 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.7	13.4	40.1

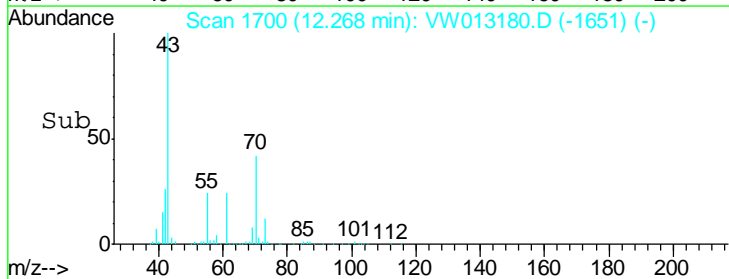
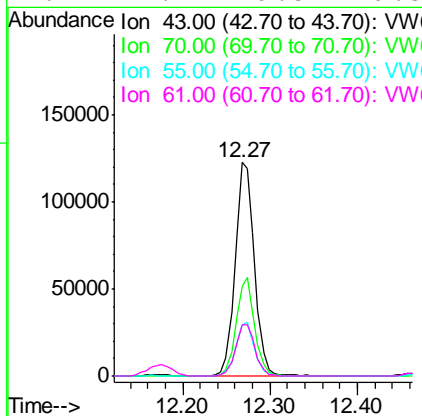
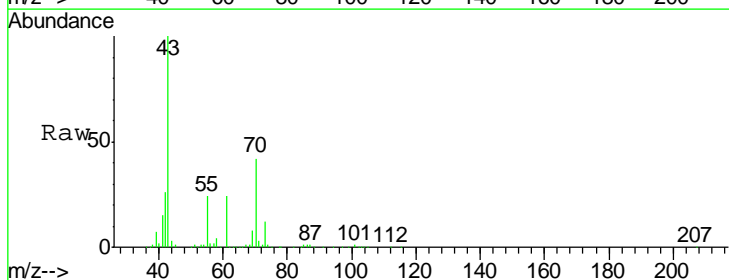
Manual Integrations
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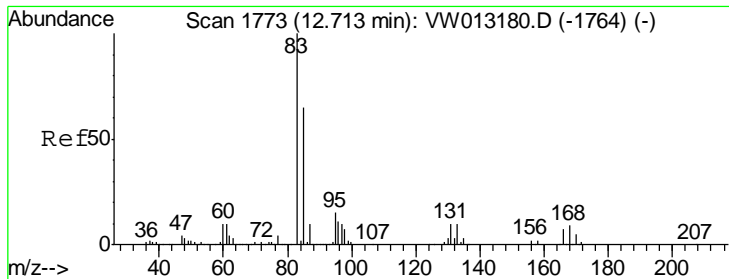
MMDadoda
 9/24/2019 5:28:45 AM



#74
 N-ethyl acetate
 Concen: 49.417 ug/l
 RT: 12.27 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
43	100		
70	43.9	35.1	52.7
55	24.9	19.9	29.9
61	24.4	19.5	29.3





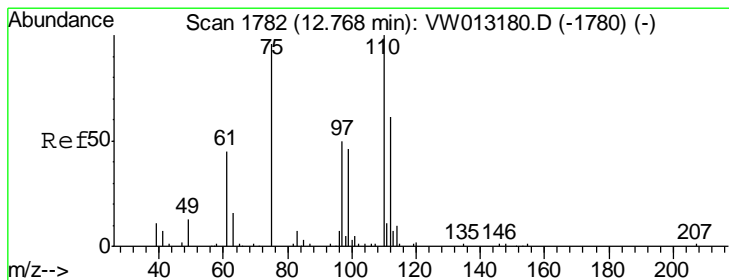
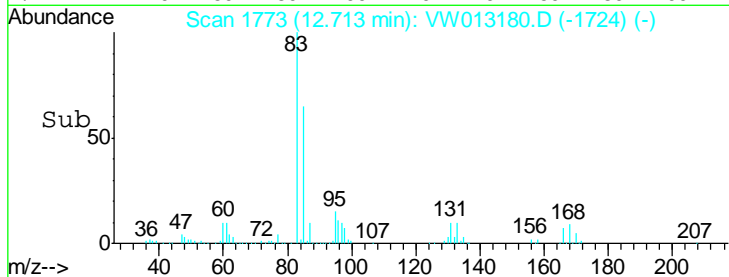
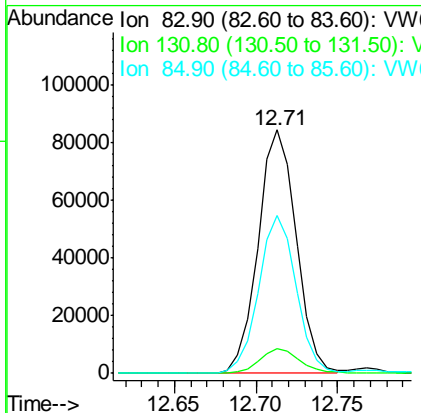
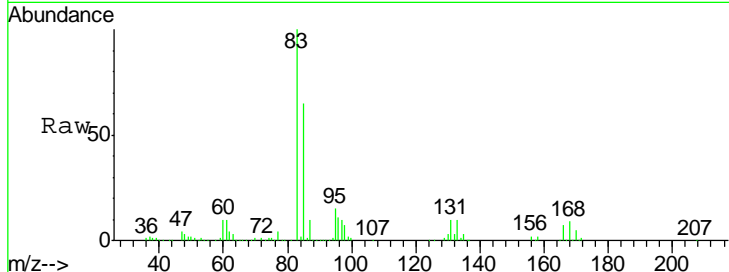
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.941 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	136902		
83	100		
131	10.8	5.4	16.2
85	63.9	31.9	95.9

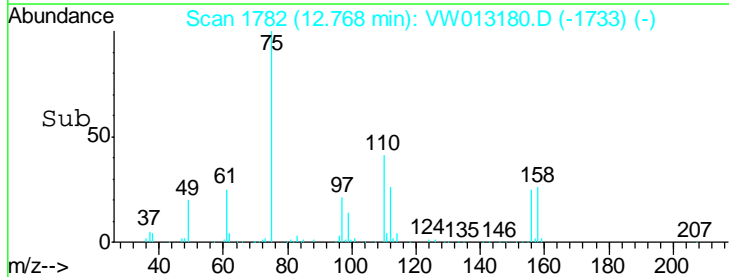
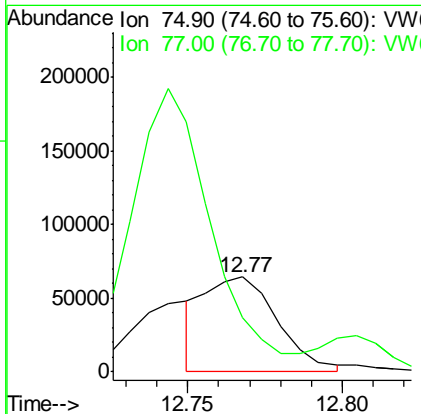
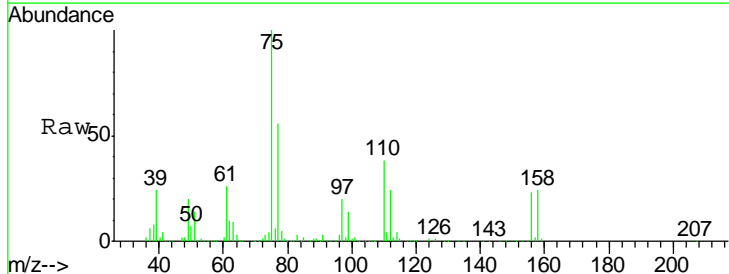
Manual Integrations
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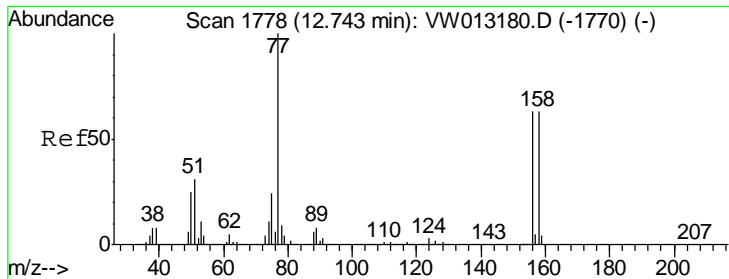
MMDadoda
 9/24/2019 5:28:45 AM



#76
 1,2,3-Trichloropropane
 Concen: 53.551 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
75	105785		
75	100		
77	0.0	0.0	0.0





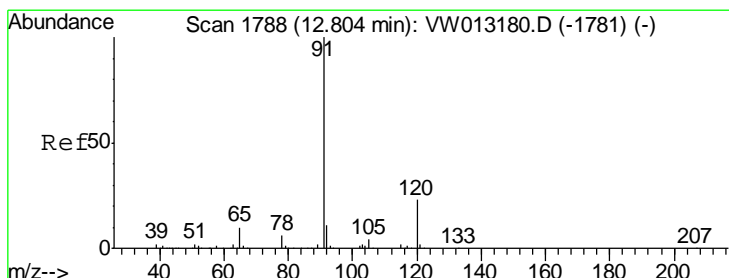
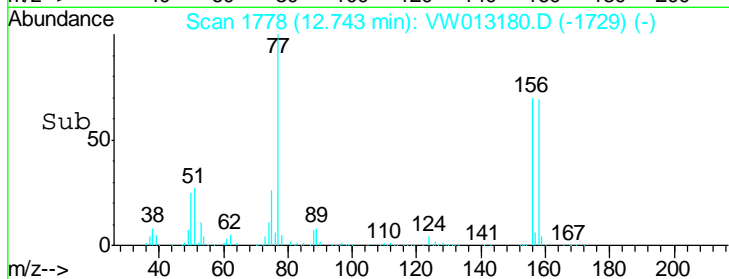
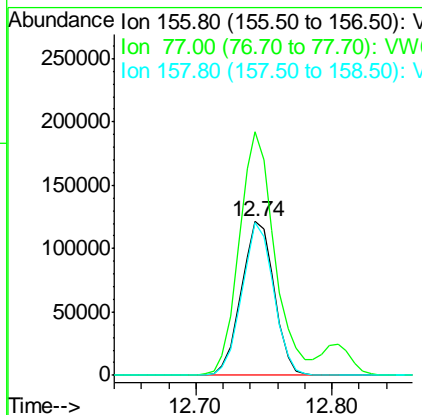
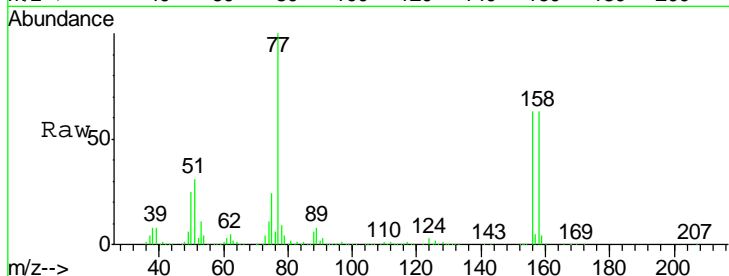
#77
 Bromobenzene
 Concen: 57.443 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
156	100		
77	171.4	85.7	257.1
158	96.3	48.1	144.4

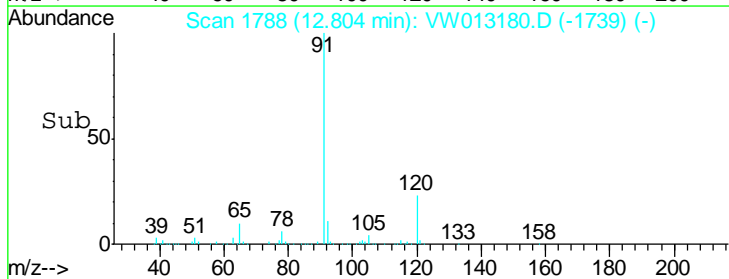
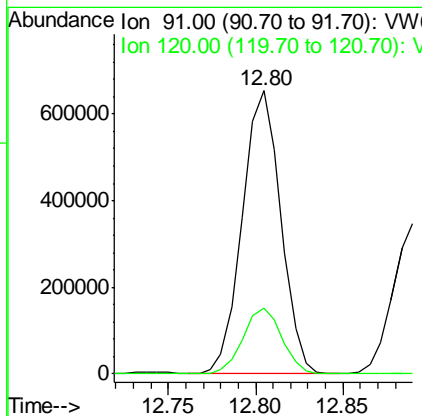
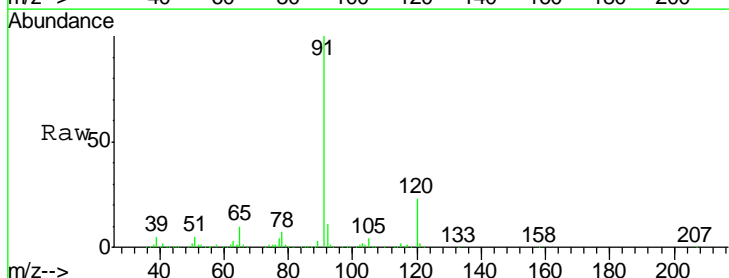
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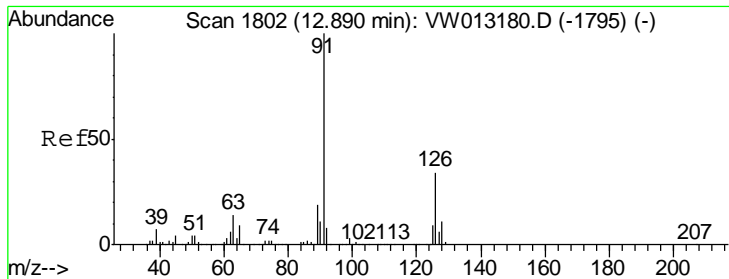
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#78
 n-propylbenzene
 Concen: 55.869 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.4	11.7	35.1





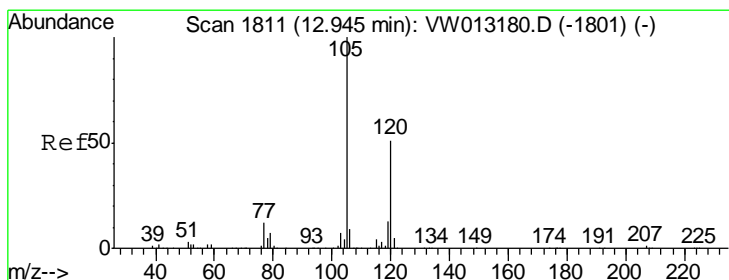
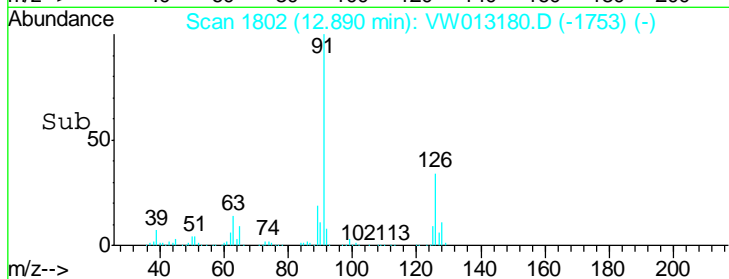
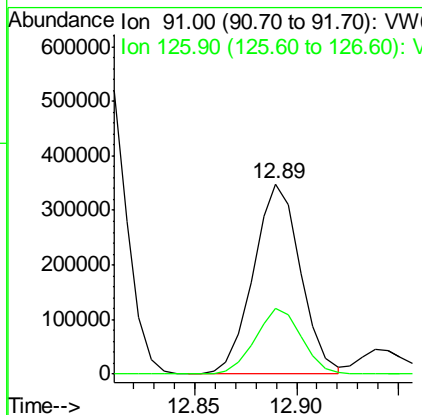
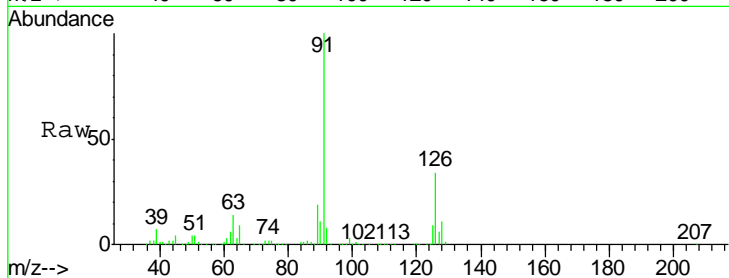
#79
 2-Chlorotoluene
 Concen: 54.289 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.3	17.2	51.5

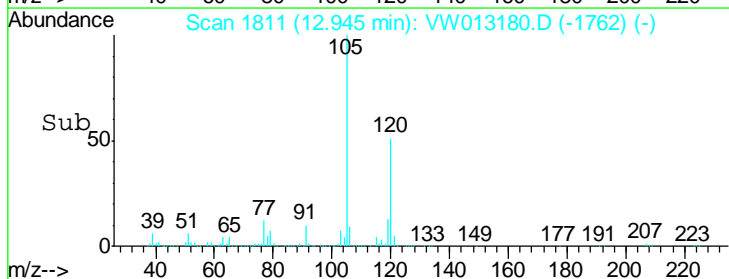
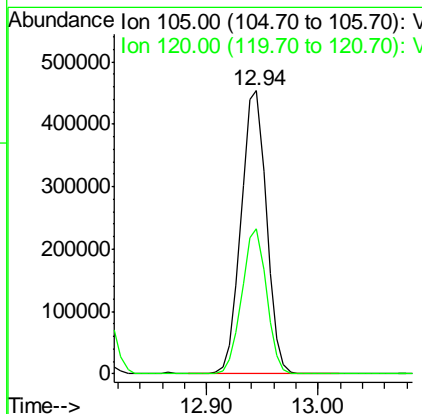
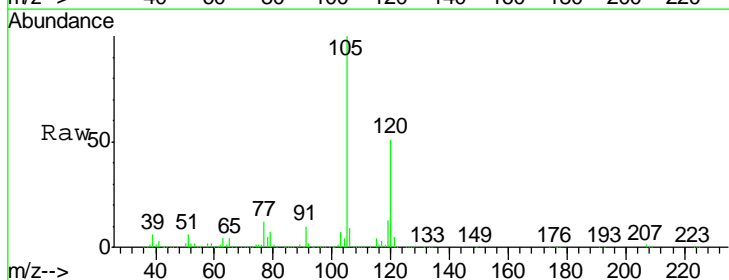
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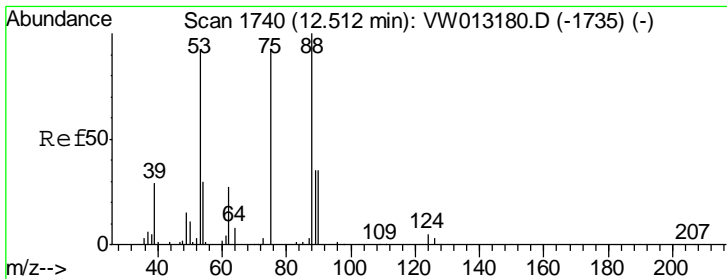
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#80
 1,3,5-Trimethylbenzene
 Concen: 55.475 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.9	24.9	74.8





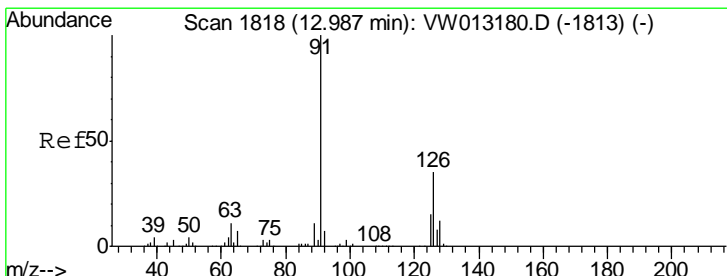
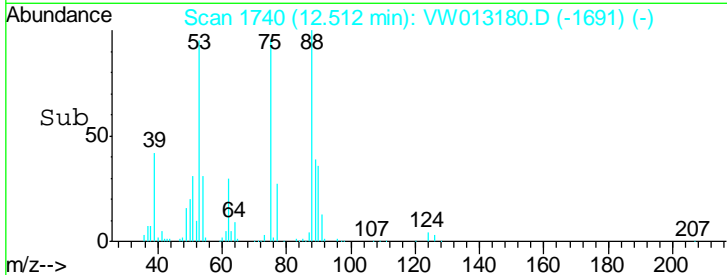
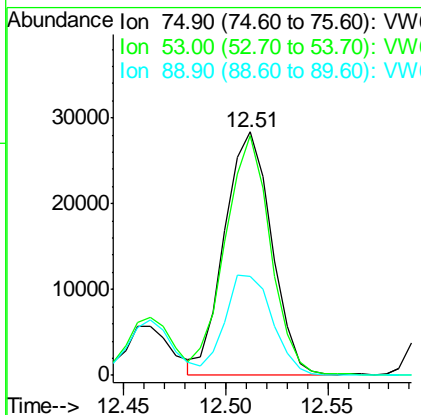
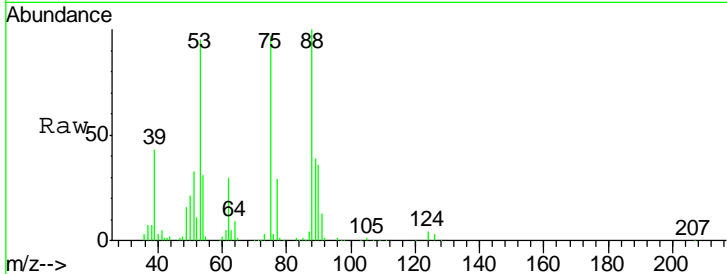
#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.663 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	45100		
75	100		
53	95.7	76.6	114.8
89	41.9	33.5	50.3

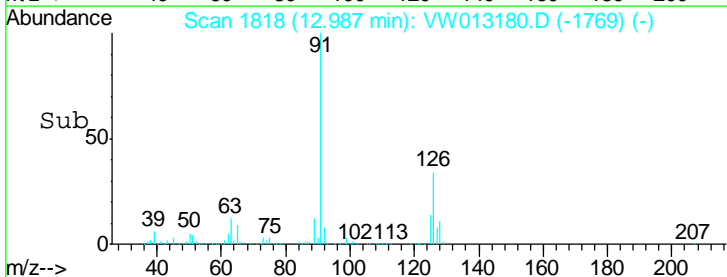
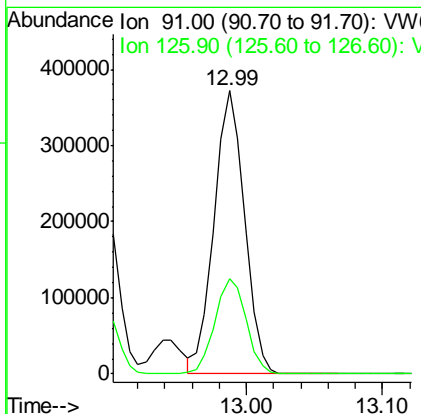
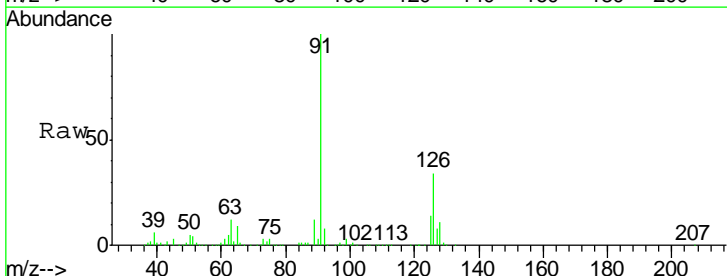
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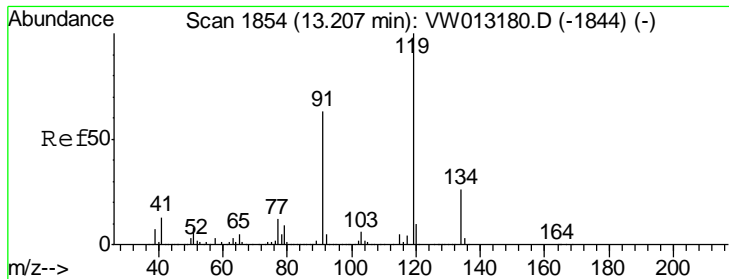
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 9/24/2019 5:28:45 AM



#82
 4-Chlorotoluene
 Concen: 53.567 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
91	577322		
91	100		
126	34.5	17.3	51.7





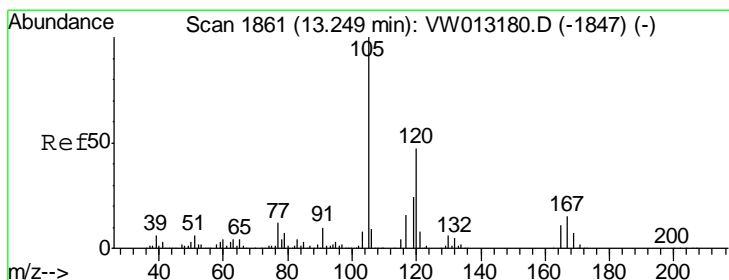
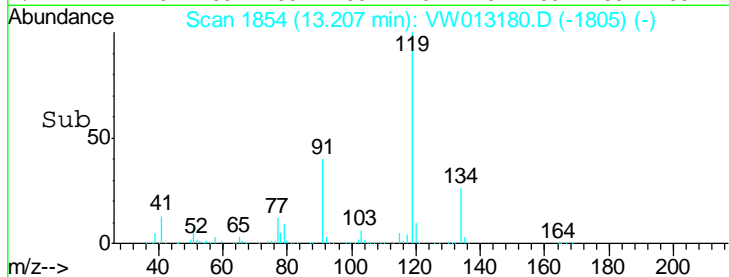
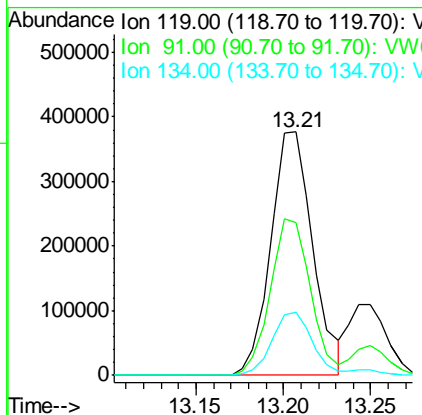
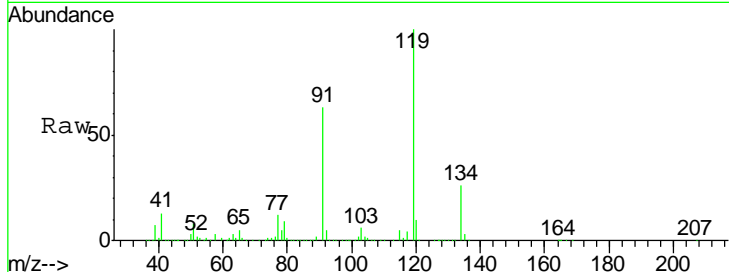
#83
 tert-Butylbenzene
 Concen: 54.968 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
119	632127		
91	61.4	30.7	92.1
134	25.1	12.6	37.6

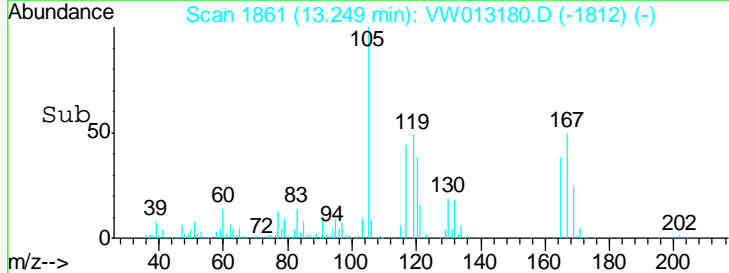
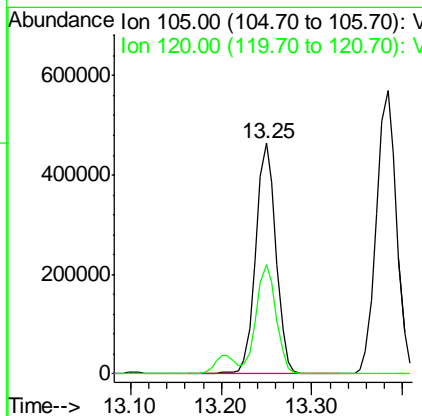
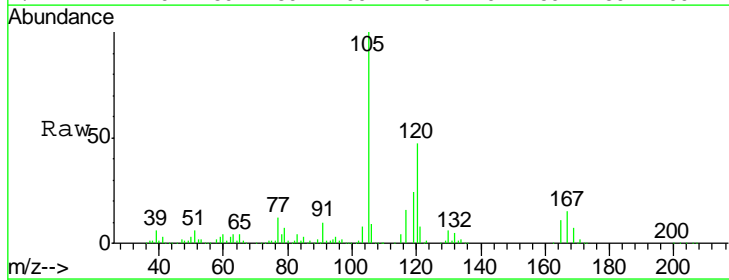
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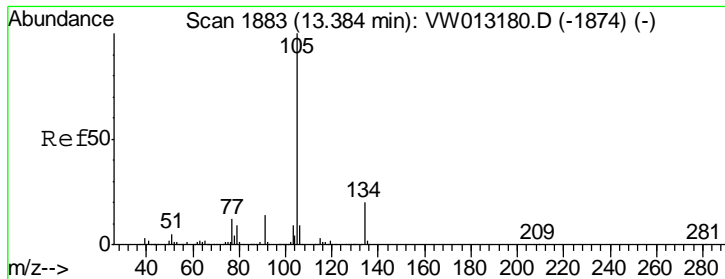
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 9/24/2019 5:28:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.896 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
105	713029		
120	46.9	23.4	70.3





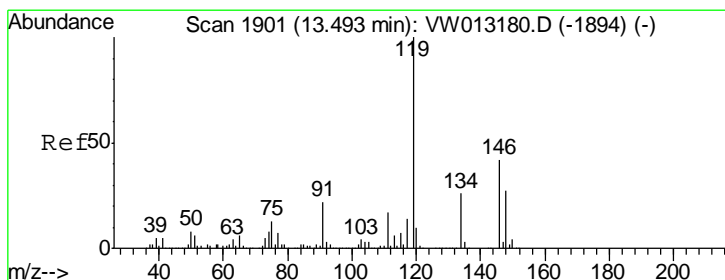
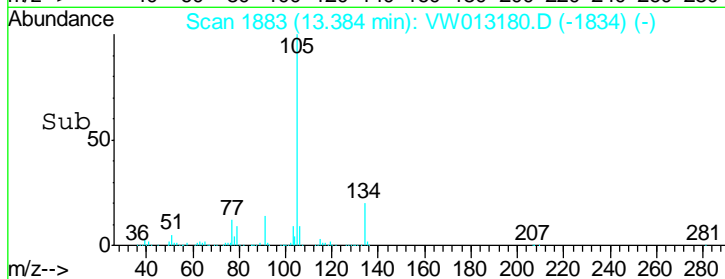
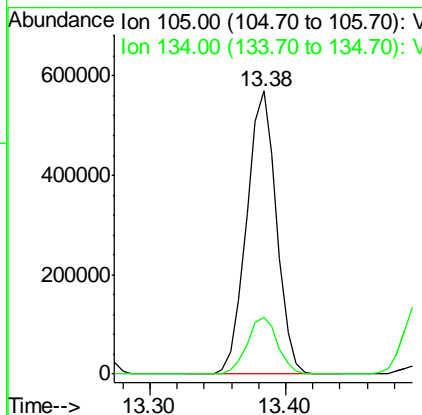
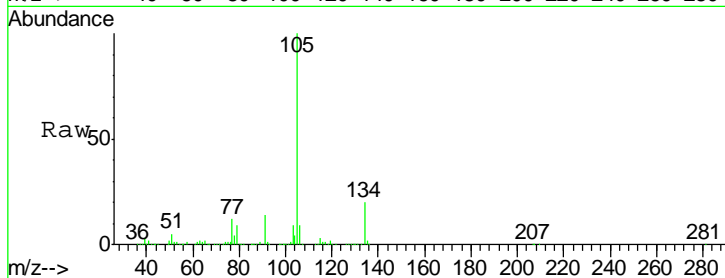
#85
 sec-Butylbenzene
 Concen: 55.689 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.5	10.3	30.8

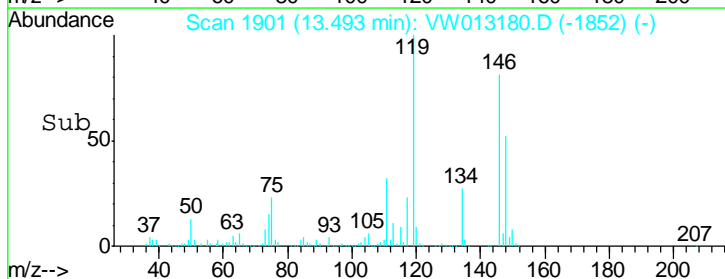
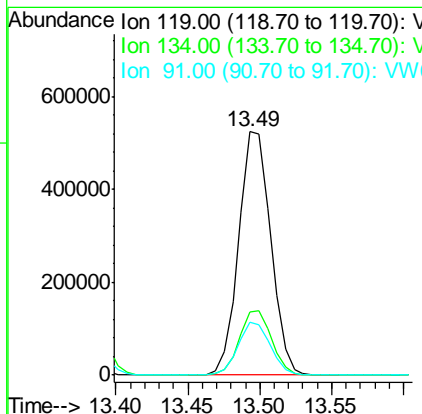
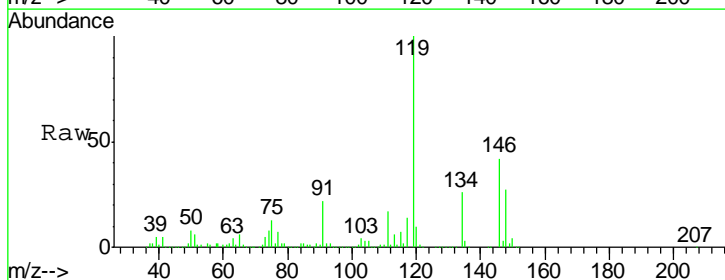
Manual Integrations
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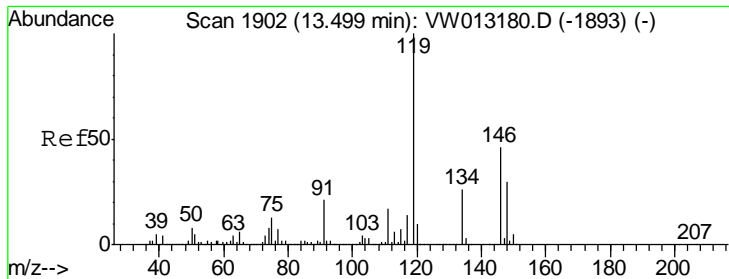
MMDadoda
 9/24/2019 5:28:45 AM



#86
 p-Isopropyltoluene
 Concen: 56.100 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	21.6	10.8	32.4





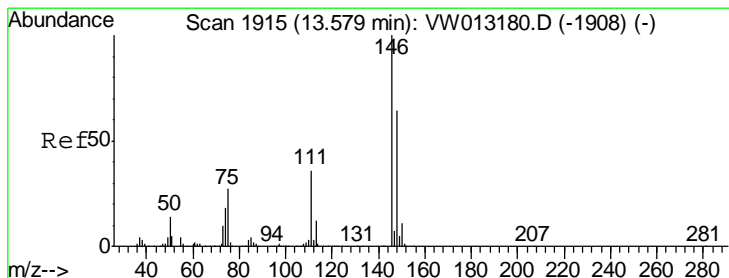
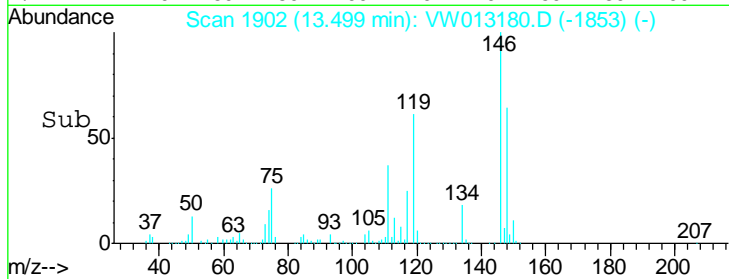
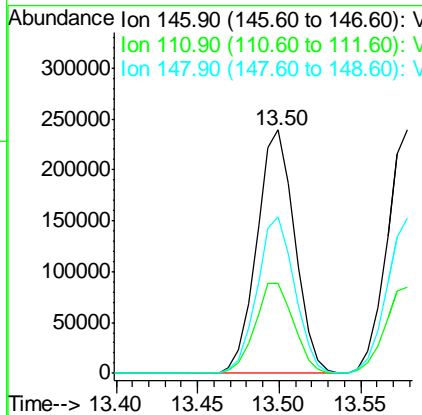
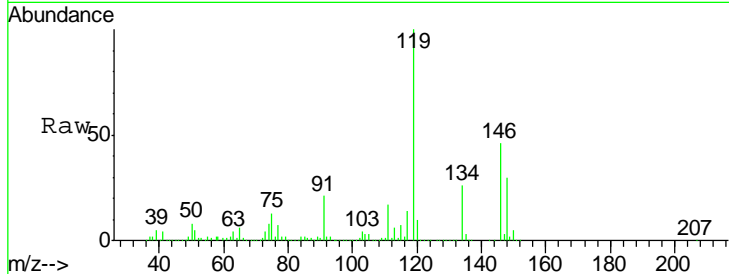
#87
 1,3-Dichlorobenzene
 Concen: 55.075 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.7	31.9	95.5

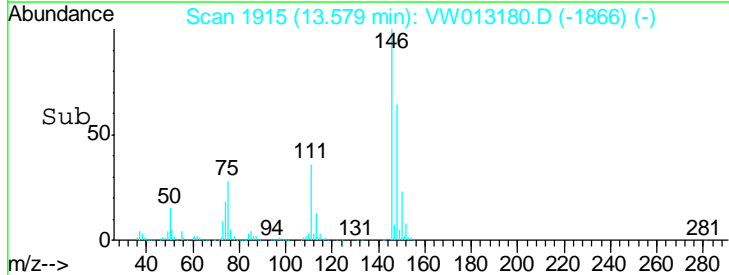
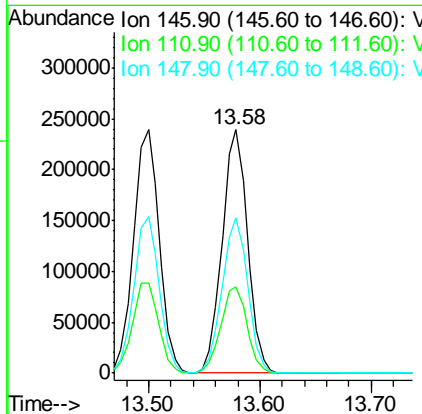
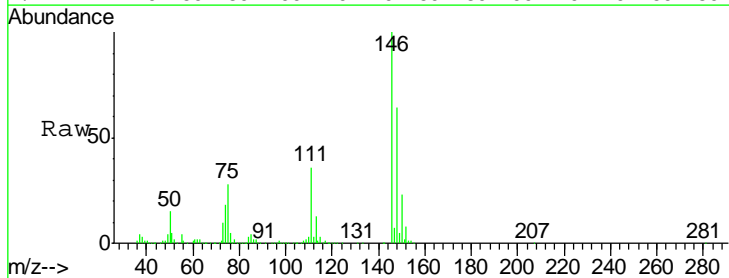
Manual Integrations
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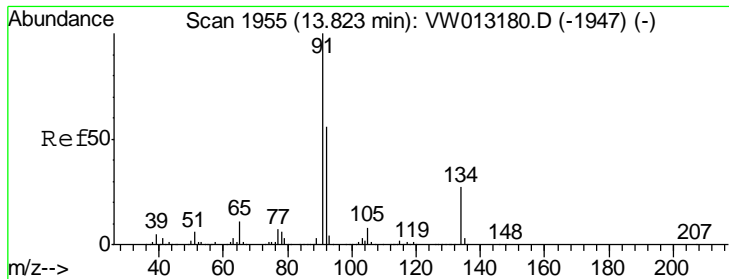
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#88
 1,4-Dichlorobenzene
 Concen: 55.226 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	64.2	32.1	96.3





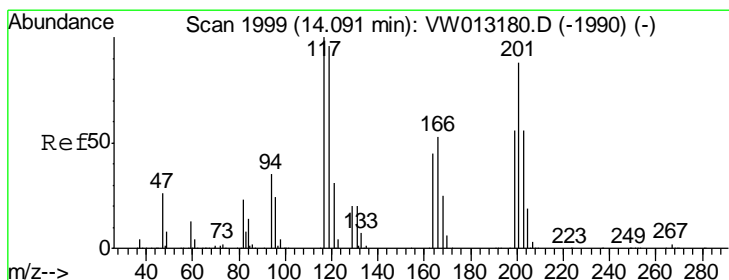
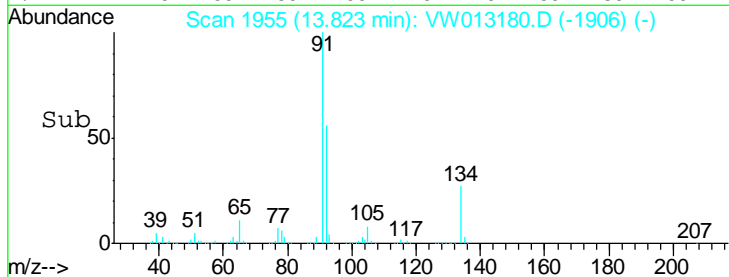
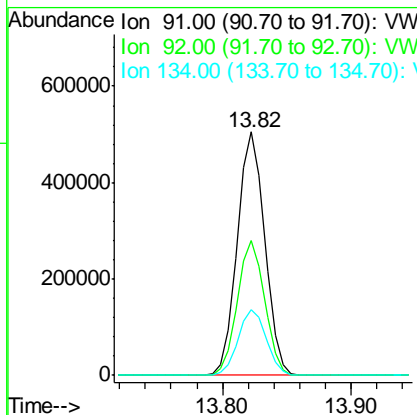
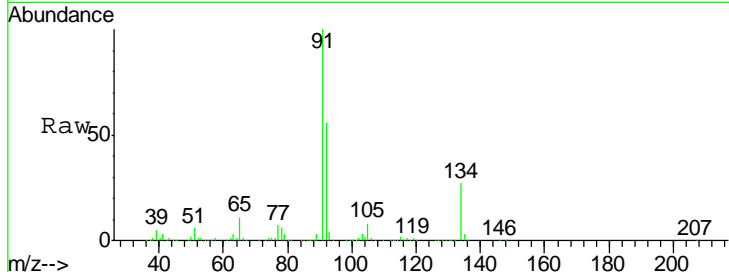
#89
 n-Butylbenzene
 Concen: 55.093 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.2	27.6	82.8
134	27.4	13.7	41.1

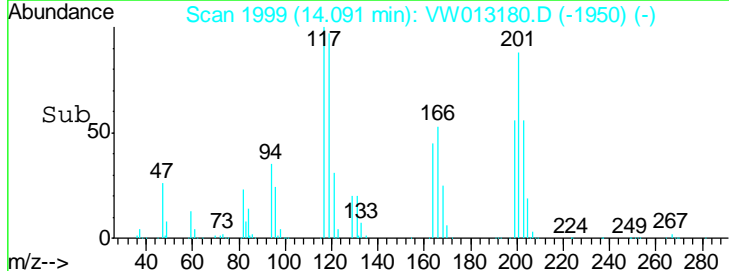
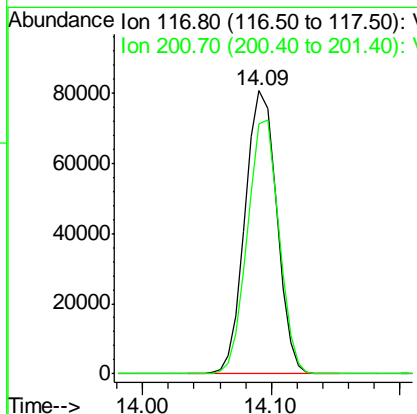
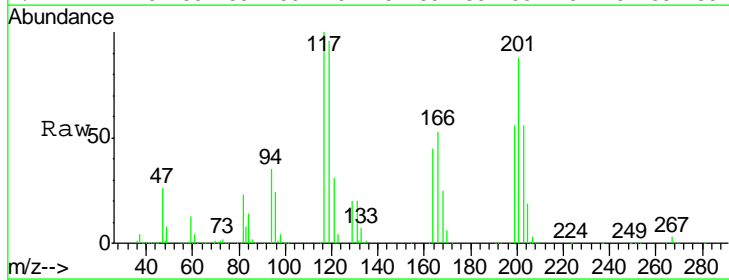
Manual Integrations
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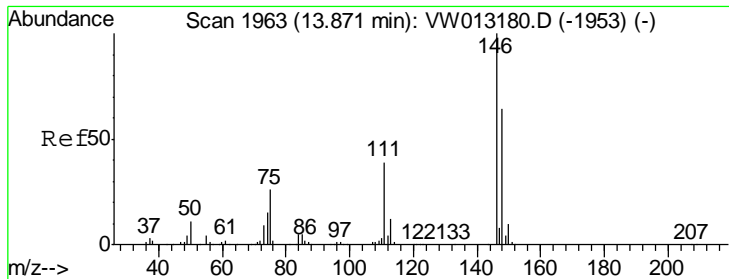
MMDadoda
 9/24/2019 5:28:45 AM



#90
 Hexachloroethane
 Concen: 53.365 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
117	100		
201	89.0	44.5	133.5





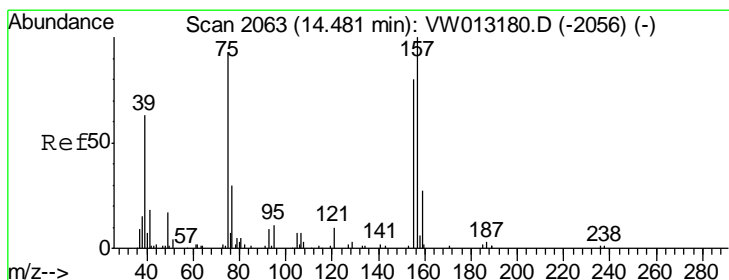
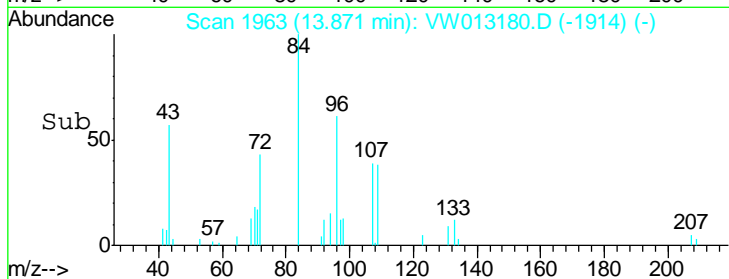
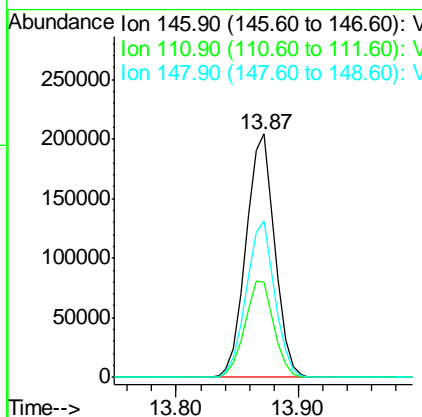
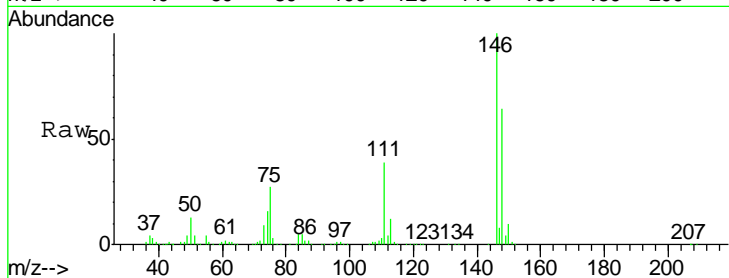
#91
 1,2-Dichlorobenzene
 Concen: 54.408 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	332872		
146	100		
111	40.2	20.1	60.3
148	64.0	32.0	96.0

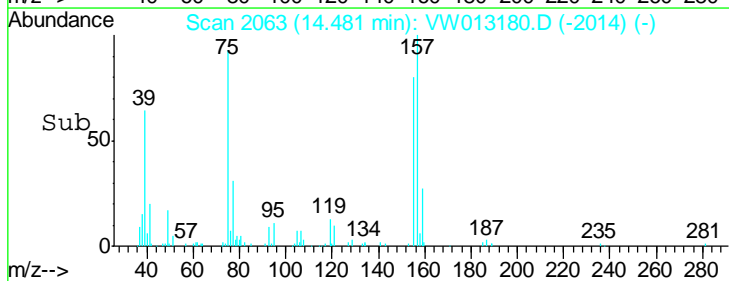
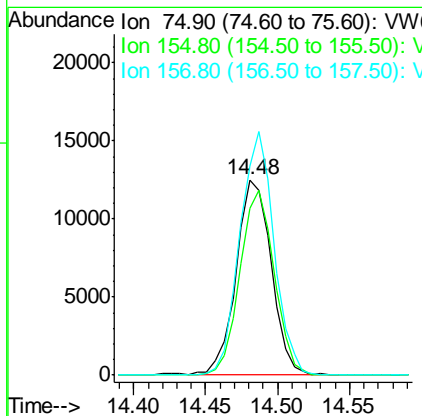
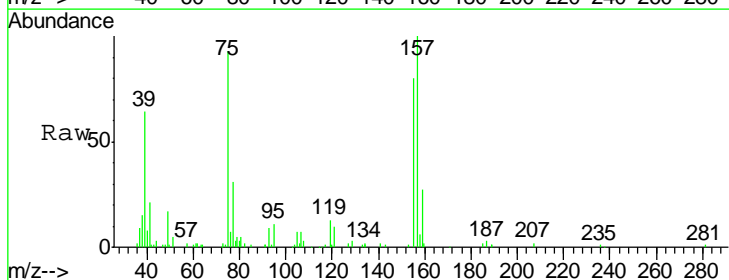
Manual Integrations
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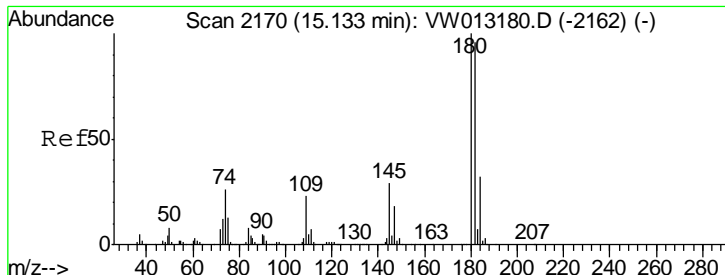
MMDadoda
 9/24/2019 5:28:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.684 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
75	21184		
75	100		
155	92.2	46.1	138.3
157	120.8	60.4	181.2





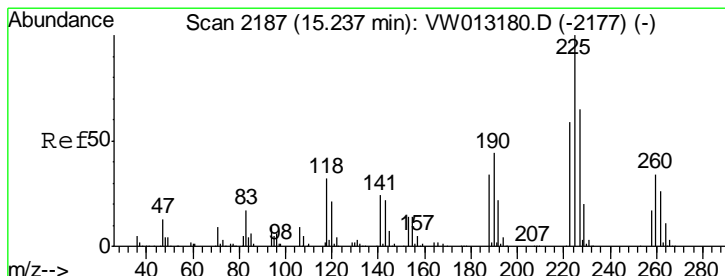
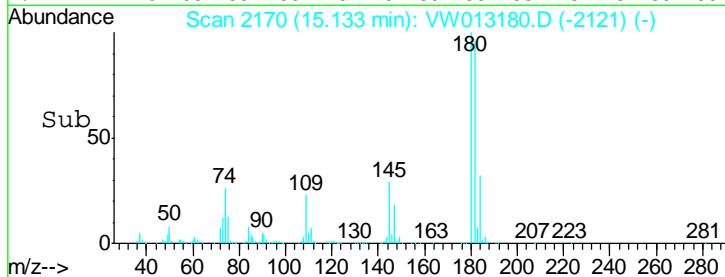
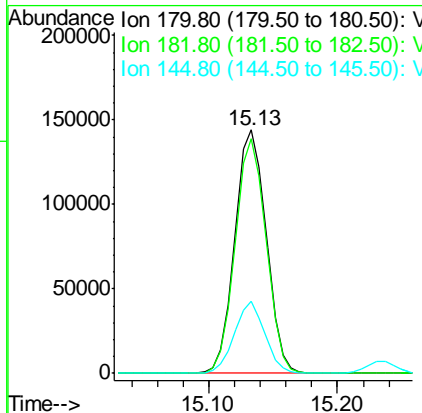
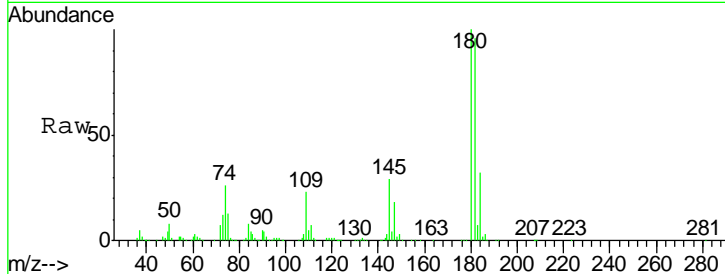
#93
 1,2,4-Trichlorobenzene
 Concen: 55.872 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	28.5	14.2	42.8

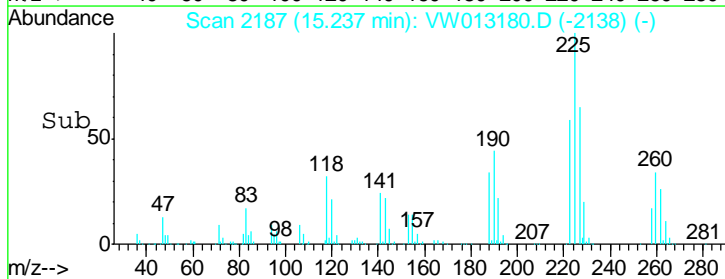
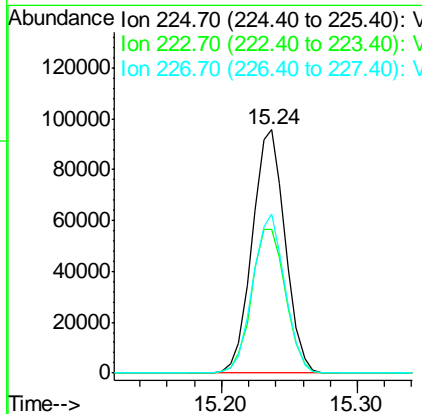
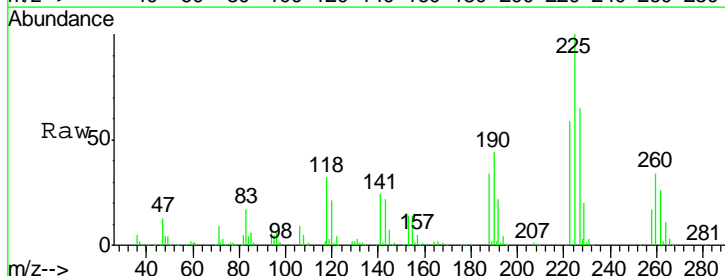
Manual Integrations
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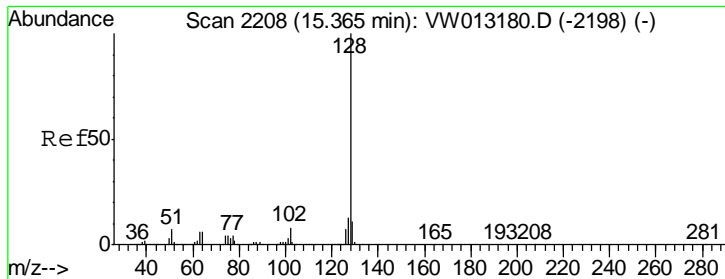
MMDadoda
 9/24/2019 5:28:45 AM



#94
 Hexachlorobutadiene
 Concen: 52.677 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
225	100		
223	61.2	30.6	91.8
227	63.9	31.9	95.9





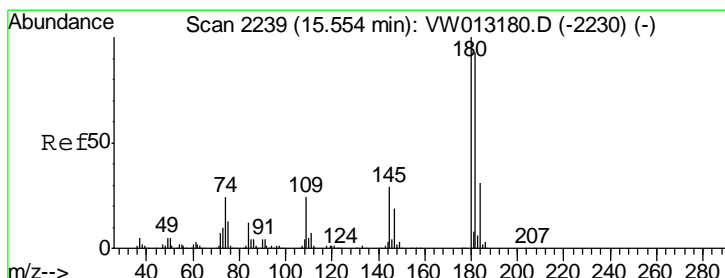
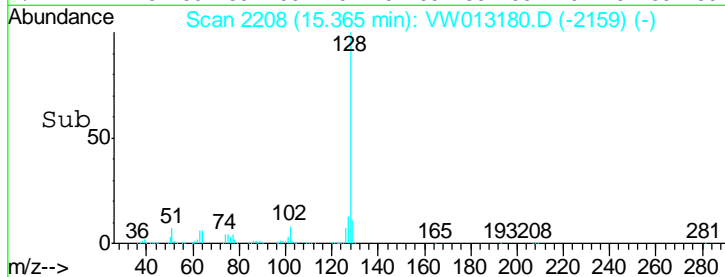
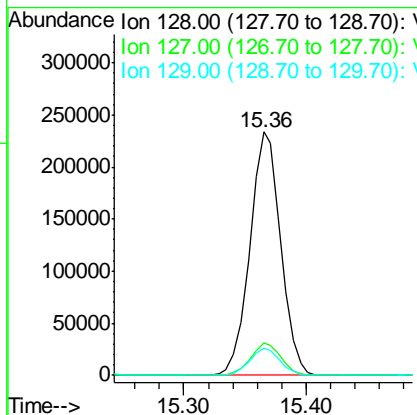
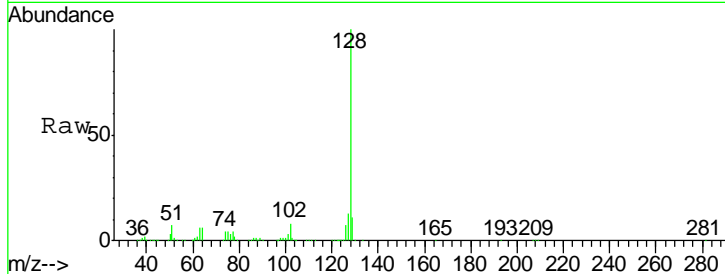
#95
 Naphthalene
 Concen: 56.423 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument : MSVOA_W
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1

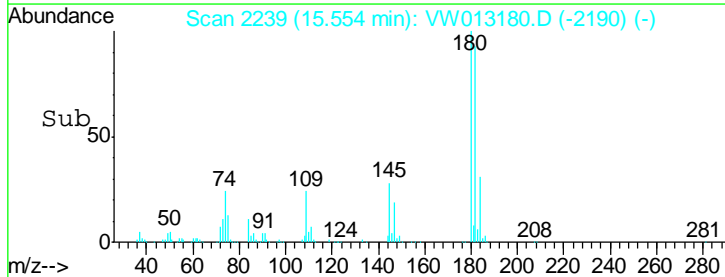
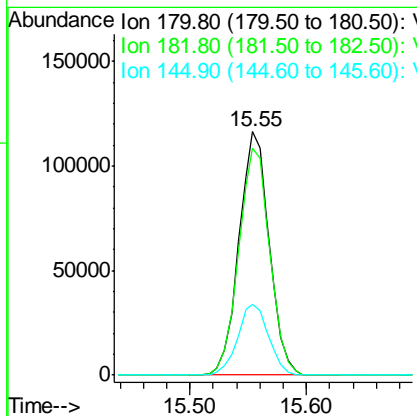
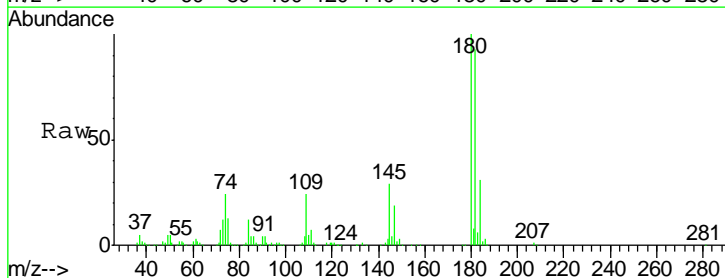
Manual Integrations
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MMDadoda
 9/24/2019 5:28:45 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 54.482 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	30.0	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	457092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	291216	89.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.32%	
35) Dibromofluoromethane	7.88	113	287802	101.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.66%	
50) Toluene-d8	10.32	98	1205184	108.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.28%	
62) 4-Bromofluorobenzene	12.62	95	413902	103.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	211292	128.595	ug/l	96
3) Chloromethane	2.21	50	245330	117.163	ug/l	99
4) Vinyl Chloride	2.36	62	336864	123.088	ug/l	98
5) Bromomethane	2.77	94	210918	124.220	ug/l	93
6) Chloroethane	2.92	64	200781	120.246	ug/l	98
7) Trichlorofluoromethane	3.25	101	211076	114.957	ug/l	97
8) Diethyl Ether	3.68	74	170342	116.082	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	320062	112.794	ug/l	99
10) Methyl Iodide	4.27	142	505510	136.251	ug/l	100
11) Tert butyl alcohol	5.20	59	103368m	406.615	ug/l	
12) 1,1-Dichloroethene	4.04	96	336539	127.236	ug/l	99
13) Acrolein	3.89	56	90672	393.783	ug/l	100
14) Allyl chloride	4.67	41	543065	111.968	ug/l	100
15) Acrylonitrile	5.37	53	374872	518.884	ug/l	99
16) Acetone	4.12	43	335757	436.513	ug/l	97
17) Carbon Disulfide	4.38	76	1005829	172.722	ug/l	99
18) Methyl Acetate	4.67	43	183747	96.733	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	515614	103.943	ug/l	100
20) Methylene Chloride	4.92	84	342154	105.000	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	364361	128.223	ug/l	97
22) Diisopropyl ether	6.31	45	1032354	104.060	ug/l	99
23) Vinyl Acetate	6.25	43	3167936	537.024	ug/l	99
24) 1,1-Dichloroethane	6.21	63	611798	105.871	ug/l	99
25) 2-Butanone	7.17	43	494375	473.589	ug/l	97
26) 2,2-Dichloropropane	7.16	77	366908	90.961	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	387221	116.432	ug/l	99
28) Bromochloromethane	7.51	49	250393	103.435	ug/l	# 98
29) Tetrahydrofuran	7.53	42	318534	528.415	ug/l	99
30) Chloroform	7.67	83	590142	101.695	ug/l	98
31) Cyclohexane	7.95	56	614803	119.809	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	483814	101.075	ug/l	100
36) 1,1-Dichloropropene	8.08	75	503795	116.887	ug/l	98
37) Ethyl Acetate	7.25	43	220718	100.656	ug/l	99
38) Carbon Tetrachloride	8.07	117	461746	106.880	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDICC100

Manual Integrations
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MMDadoda
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	660742	134.480	ug/l	99
40) Benzene	8.32	78	1416864	117.750	ug/l	99
41) Methacrylonitrile	7.48	41	135270	94.673	ug/l	99
42) 1,2-Dichloroethane	8.40	62	379740	97.899	ug/l	100
43) Isopropyl Acetate	8.42	43	429522	102.340	ug/l	99
44) Trichloroethene	9.09	130	394547	118.902	ug/l	98
45) 1,2-Dichloropropane	9.37	63	347299	110.653	ug/l	98
46) Dibromomethane	9.46	93	170461	113.087	ug/l	99
47) Bromodichloromethane	9.64	83	441235	106.167	ug/l	97
48) Methyl methacrylate	9.43	41	220070	111.479	ug/l	94
49) 1,4-Dioxane	9.46	88	51070	2114.995	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	1083790	502.276	ug/l	100
52) Toluene	10.38	92	914038	119.427	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	472467	112.425	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	564732	116.389	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	254463	111.189	ug/l	98
56) Ethyl methacrylate	10.65	69	357002	116.582	ug/l	99
57) 1,3-Dichloropropane	10.93	76	441021	108.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	803707	496.115	ug/l	100
59) 2-Hexanone	10.97	43	760254	508.676	ug/l	100
60) Dibromochloromethane	11.13	129	301790	110.407	ug/l	100
61) 1,2-Dibromoethane	11.24	107	243454	116.245	ug/l	99
64) Tetrachloroethene	10.86	164	343861	121.052	ug/l	96
65) Chlorobenzene	11.66	112	952747	114.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	338387	107.917	ug/l	99
67) Ethyl Benzene	11.73	91	1745841	113.632	ug/l	99
68) m/p-Xylenes	11.84	106	1329230	234.773	ug/l	100
69) o-Xylene	12.16	106	620290	117.192	ug/l	98
70) Styrene	12.18	104	1073044	114.400	ug/l	99
71) Bromoform	12.35	173	181859	111.009	ug/l #	100
73) Isopropylbenzene	12.46	105	1713236	112.131	ug/l	100
74) N-amyl acetate	12.27	43	398444	104.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	282814	107.086	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	184657m	93.291	ug/l	
77) Bromobenzene	12.74	156	401456	112.784	ug/l	98
78) n-propylbenzene	12.80	91	2002805	111.510	ug/l	100
79) 2-Chlorotoluene	12.89	91	1112397	108.108	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1435571	110.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	99829	114.127	ug/l	95
82) 4-Chlorotoluene	12.99	91	1166490	108.017	ug/l	100
83) tert-Butylbenzene	13.21	119	1250377	108.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1410432	110.346	ug/l	99
85) sec-Butylbenzene	13.38	105	1720034	109.222	ug/l	99
86) p-Isopropyltoluene	13.50	119	1590959	109.870	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	768489	109.954	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	755101	110.204	ug/l	99
89) n-Butylbenzene	13.82	91	1479658	108.928	ug/l	100
90) Hexachloroethane	14.09	117	280988	109.143	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	667208	108.837	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44338	93.336	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampled :
 VSTDICC100

Manual Integrations
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 MMDadoda
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	502586	114.728	ug/l	99
94) Hexachlorobutadiene	15.24	225	316706	102.642	ug/l	100
95) Naphthalene	15.36	128	864609	119.052	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	435087	112.728	ug/l	100

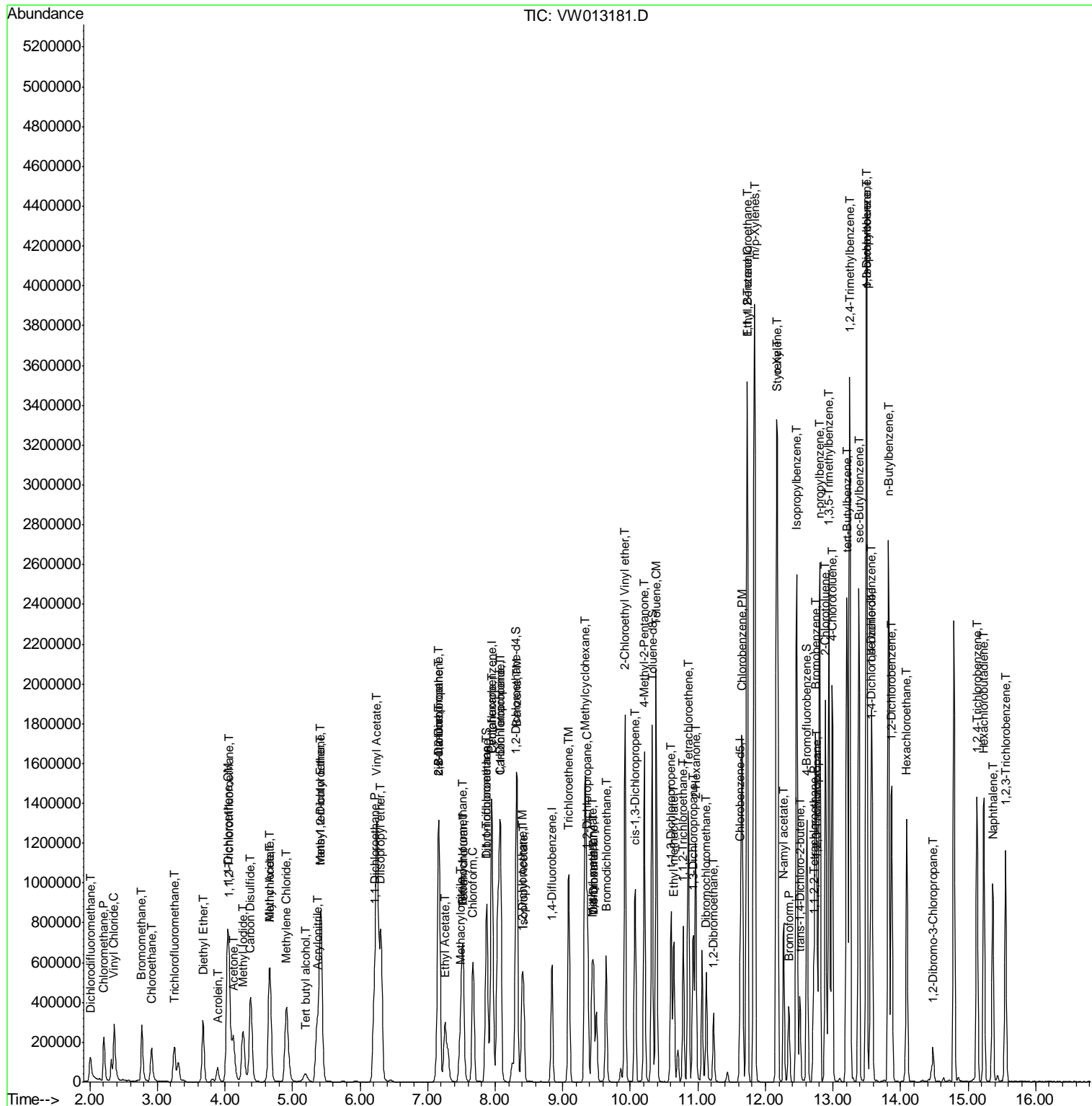
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

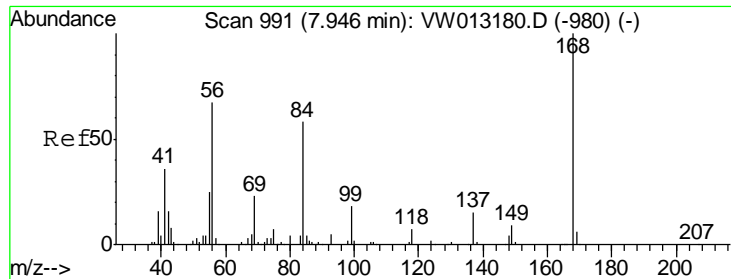
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDICC100

Manual Integrations
 APPROVED
 MMDadoda
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration



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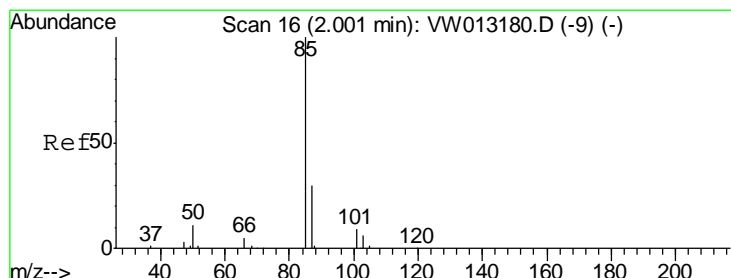
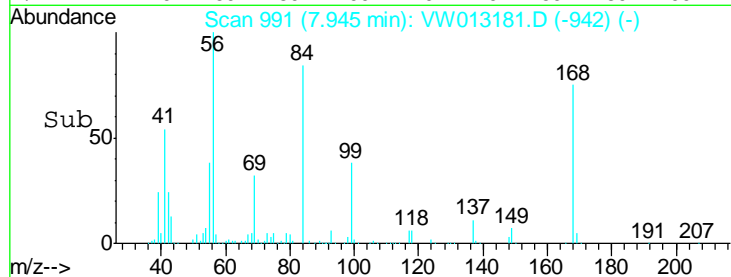
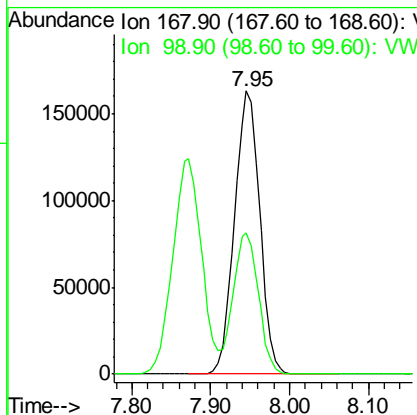
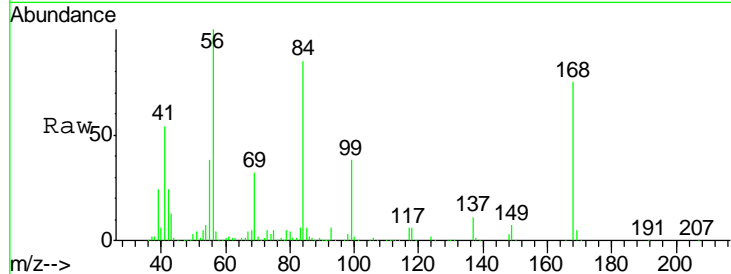
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.0	40.2	60.4

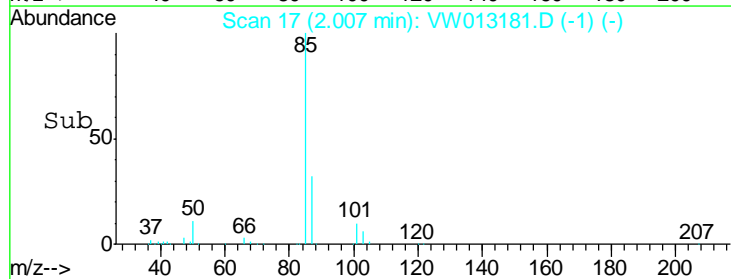
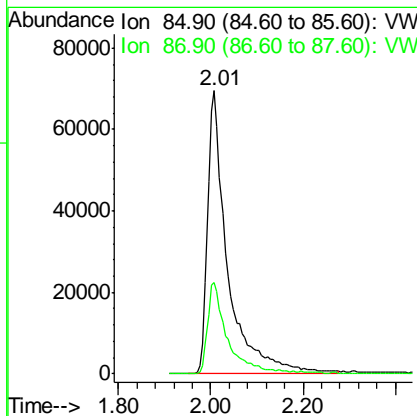
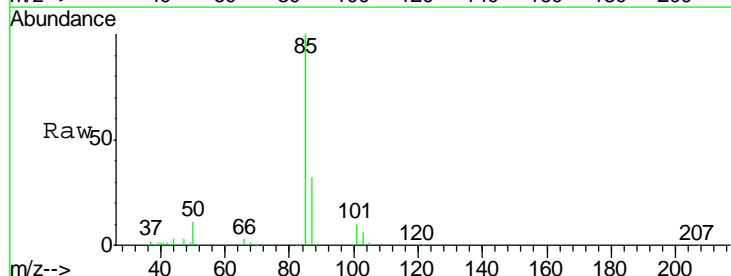
Manual Integrations
 APPROVED

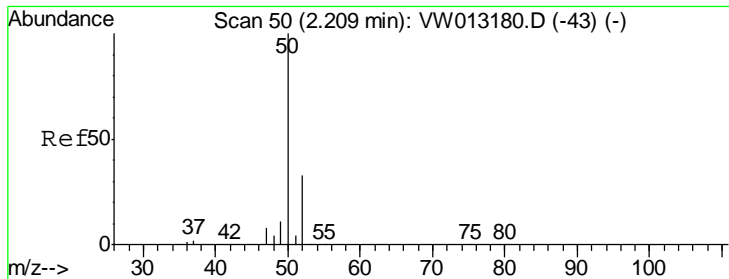
MMDadoda
 9/24/2019 5:28:48 AM



#2
 Dichlorodifluoromethane
 Concen: 128.595 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.4	15.1	45.3



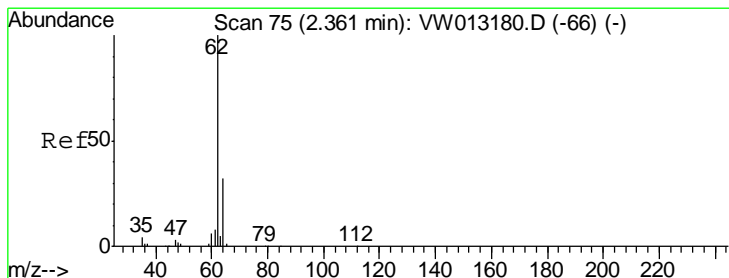
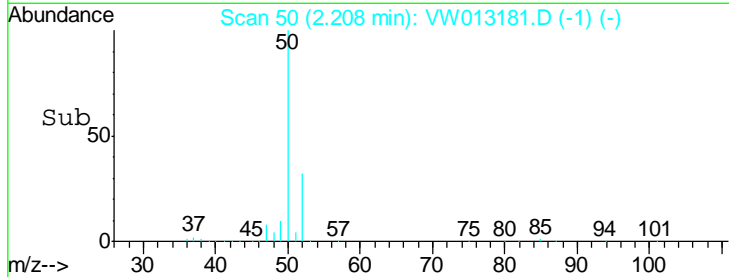
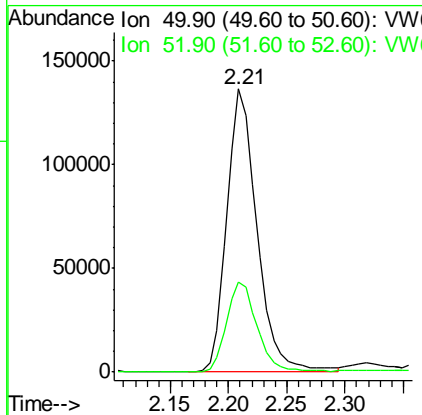
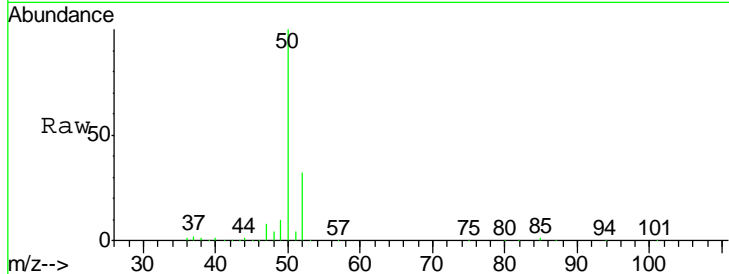


#3
 Chloromethane
 Concen: 117.163 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.0	26.1	39.1

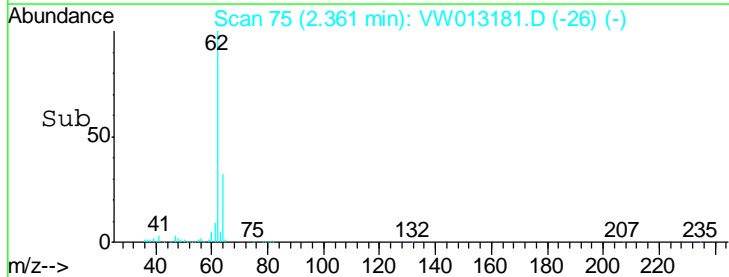
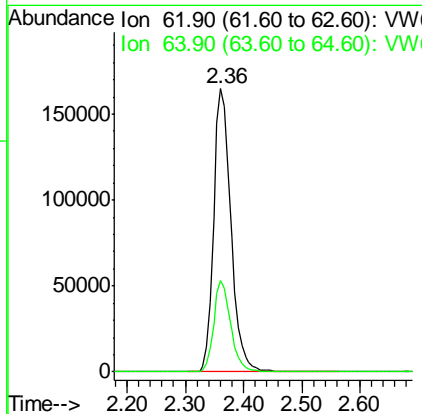
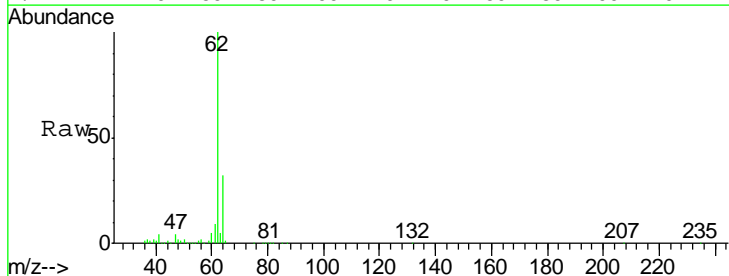
Instrument : MSVOA_W
 ClientSampled : VSTDIC100

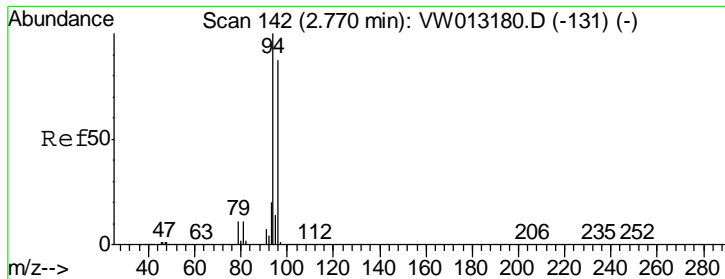
Manual Integrations APPROVED
 MMDadoda
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#4
 Vinyl Chloride
 Concen: 123.088 ug/l
 RT: 2.36 min Scan# 75
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.5	25.3	37.9



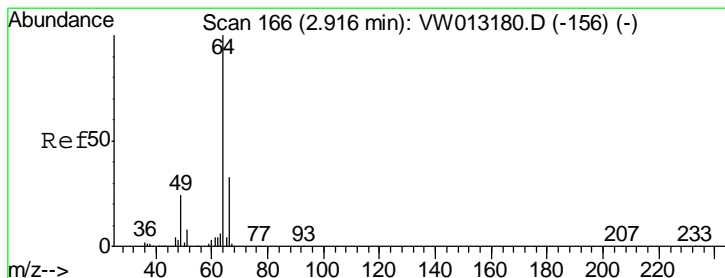
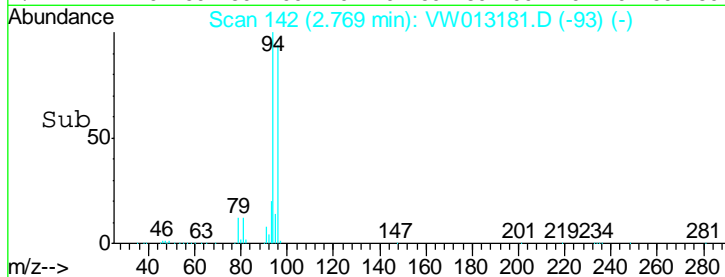
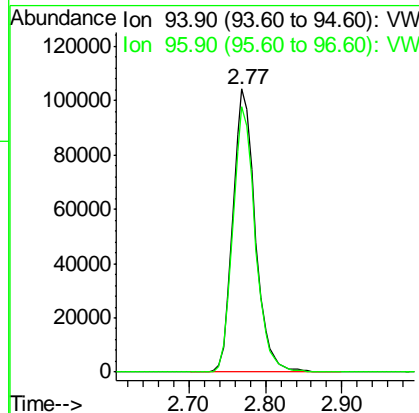
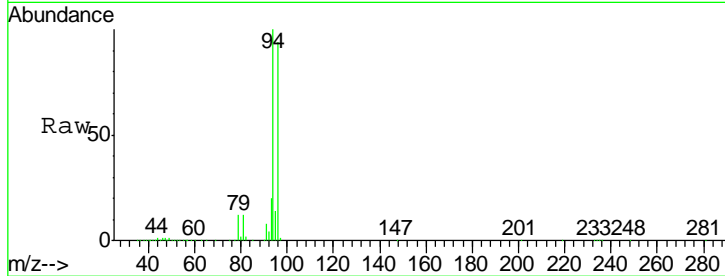


#5
 Bromomethane
 Concen: 124.220 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.6	69.7	104.5

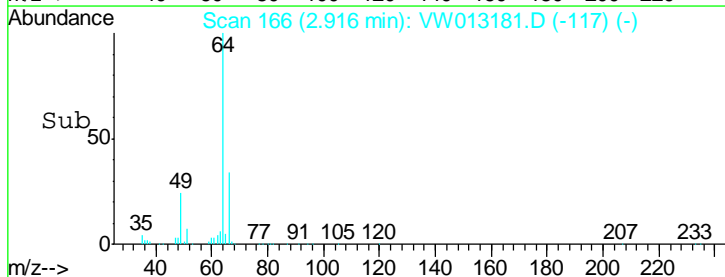
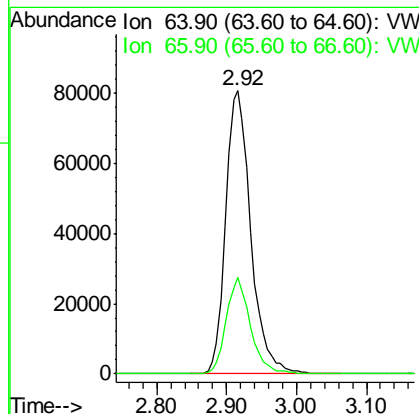
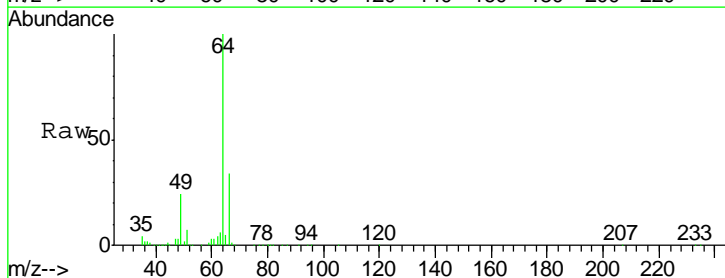
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

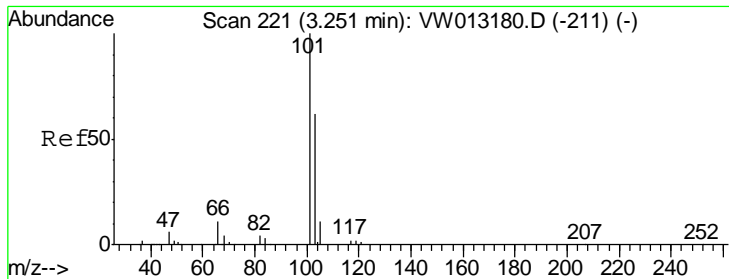
Manual Integrations
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 MMDadoda
 9/24/2019 5:28:48 AM



#6
 Chloroethane
 Concen: 120.246 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
64	100		
66	34.3	26.6	39.8



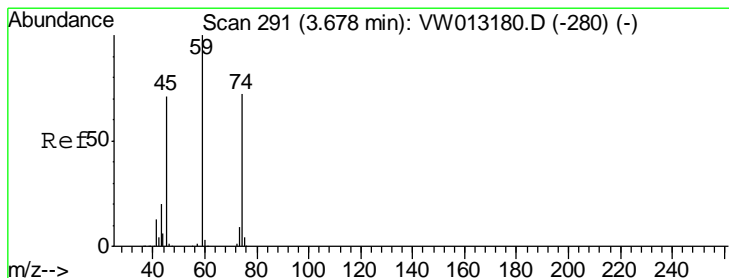
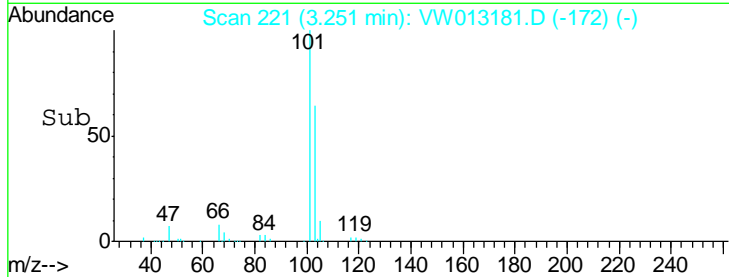
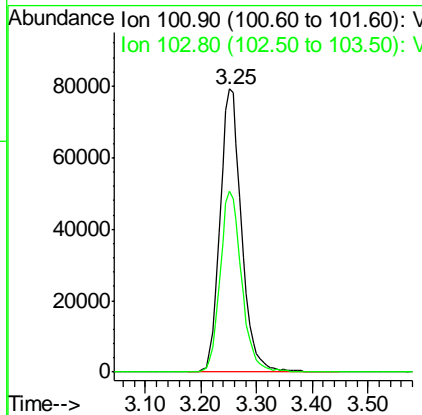
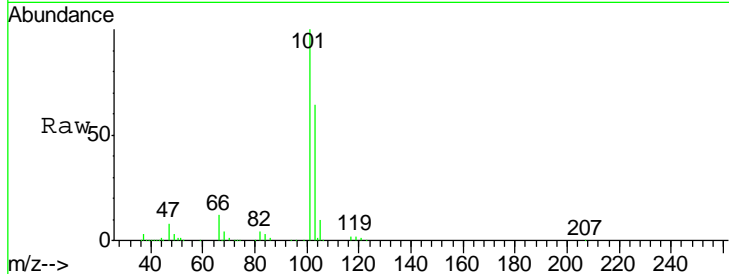


#7
 Trichlorofluoromethane
 Concen: 114.957 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
101	211076		
101	100		
103	64.1	49.7	74.5

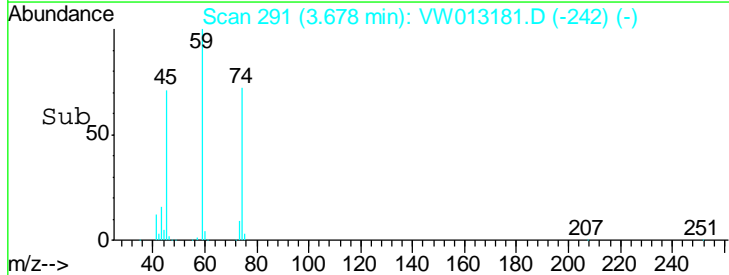
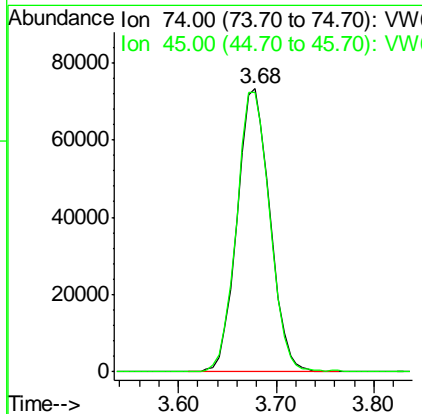
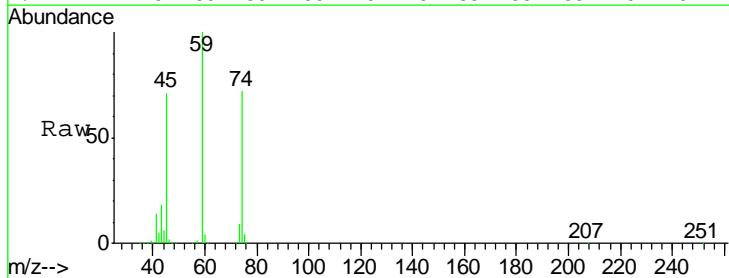
Instrument : MSVOA_W
 ClientSampled : VSTDICC100

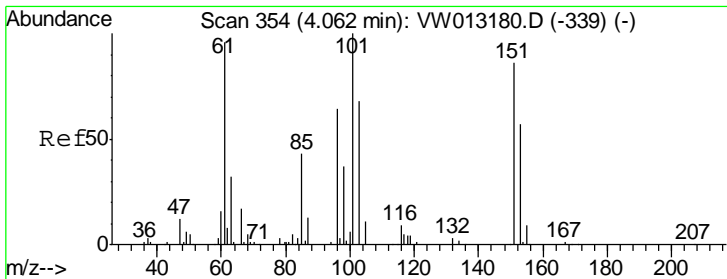
Manual Integrations APPROVED
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#8
 Diethyl Ether
 Concen: 116.082 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
74	170342		
74	100		
45	99.7	49.5	148.7





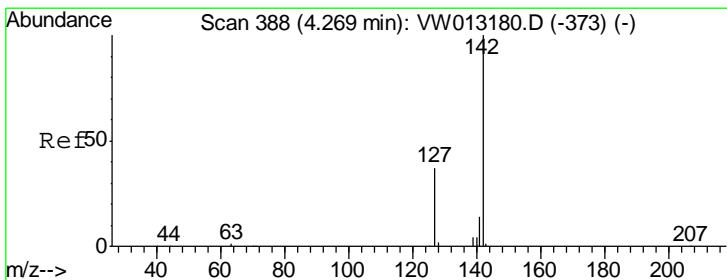
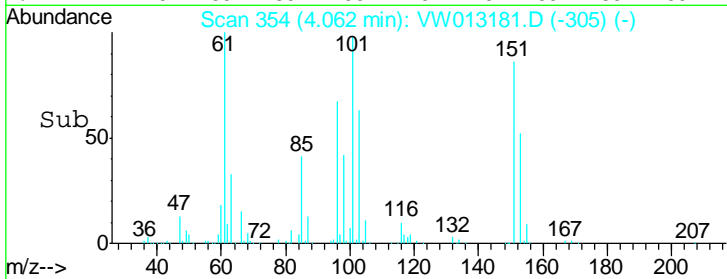
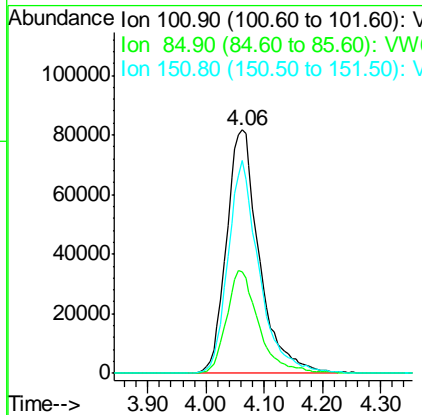
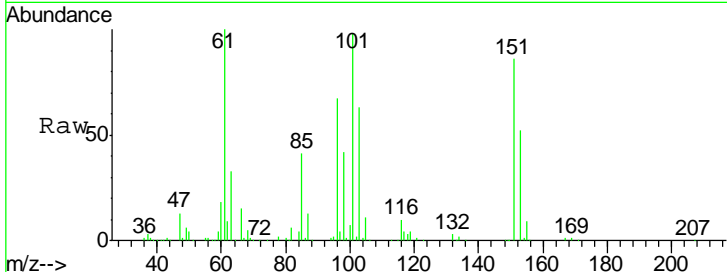
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 112.794 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	320062		
101	100		
85	41.1	33.4	50.0
151	83.1	66.9	100.3

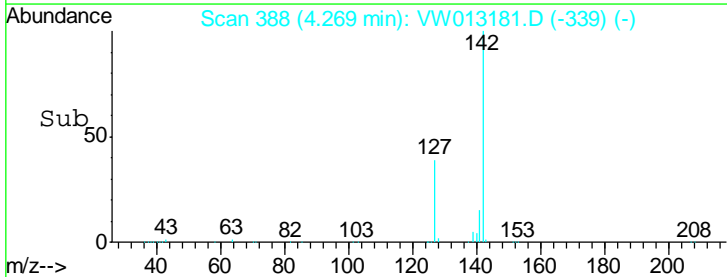
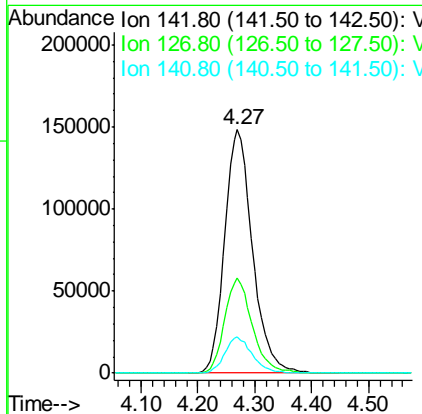
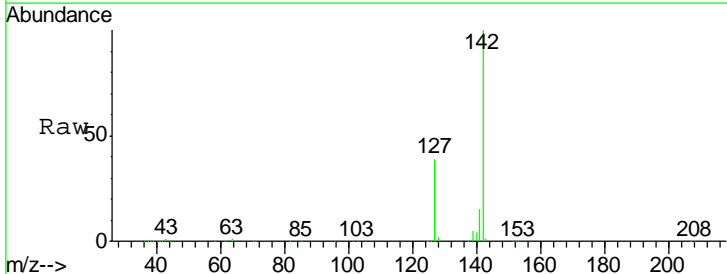
Manual Integrations
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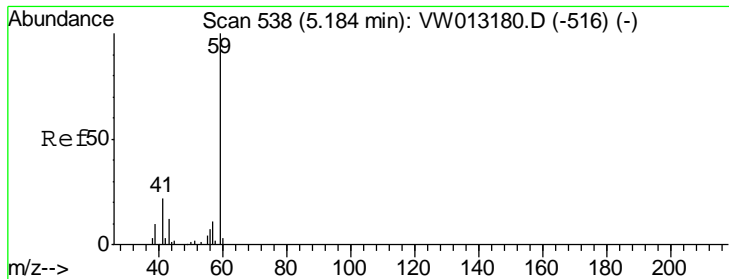
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#10
 Methyl Iodide
 Concen: 136.251 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
142	505510		
142	100		
127	38.7	30.9	46.3
141	14.7	11.7	17.5





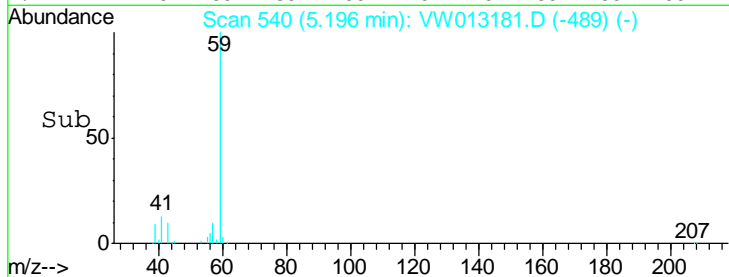
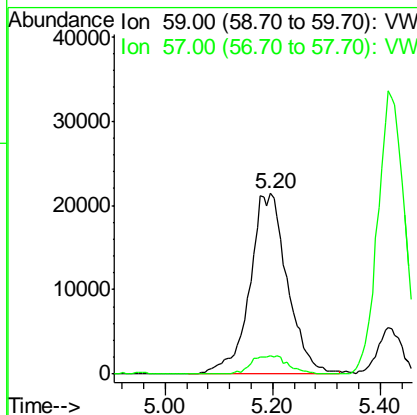
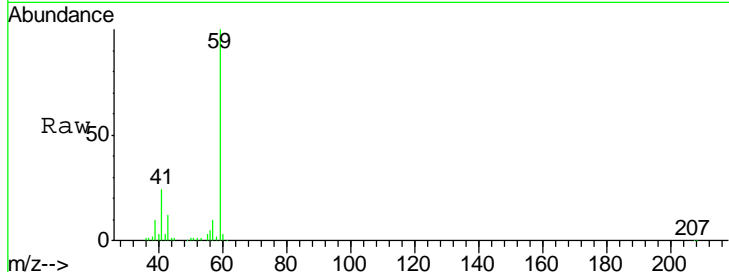
#11
 Tert butyl alcohol
 Concen: 406.615 ug/l m
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
59	103368		
57	10.1	8.2	12.2

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

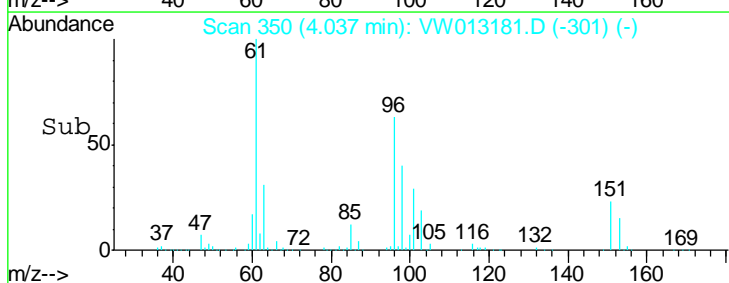
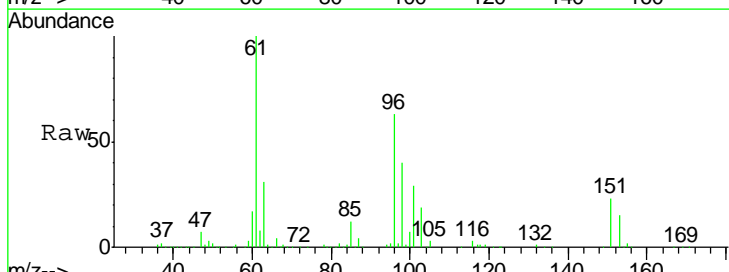
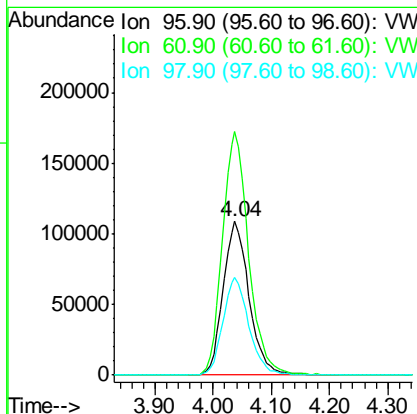
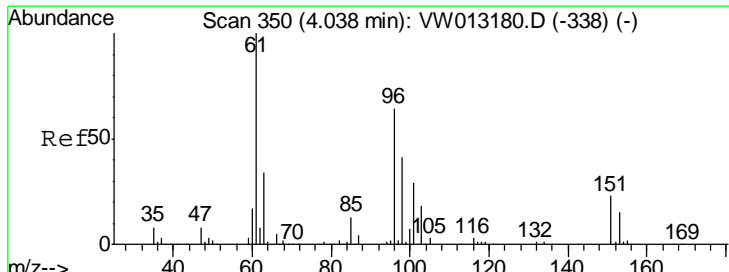
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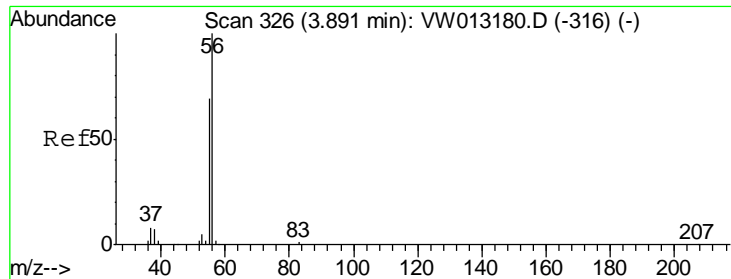
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#12
 1,1-Dichloroethene
 Concen: 127.236 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
96	336539		
61	158.5	125.1	187.7
98	63.4	50.8	76.2





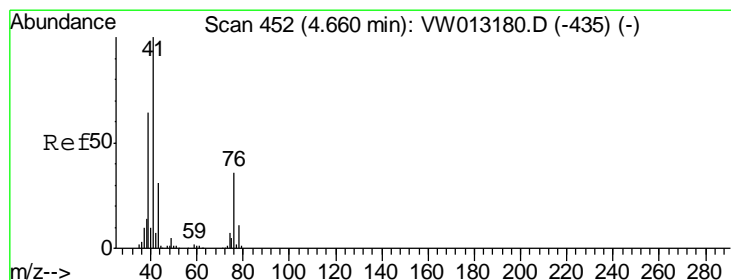
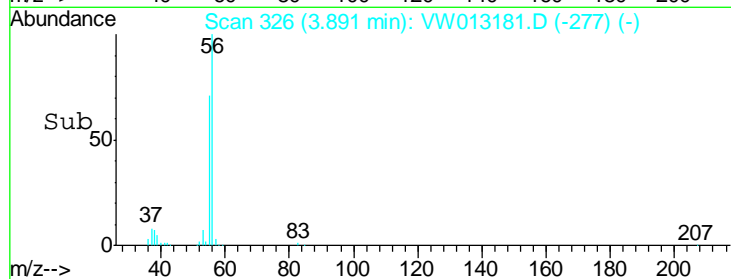
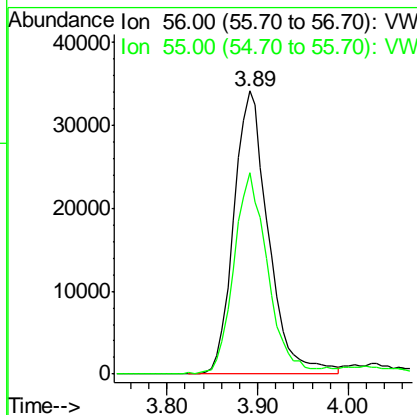
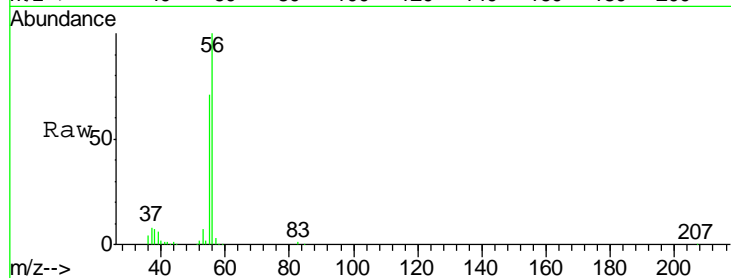
#13
 Acrolein
 Concen: 393.783 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	100		
55	69.5	55.4	83.0

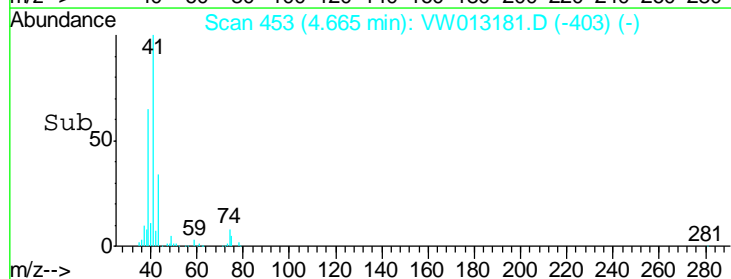
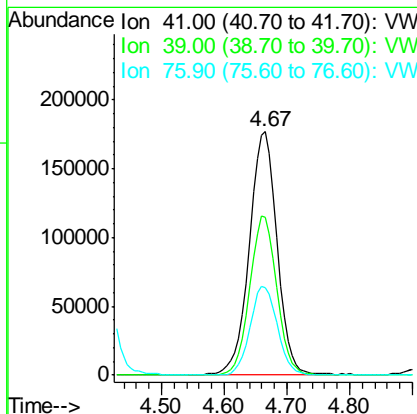
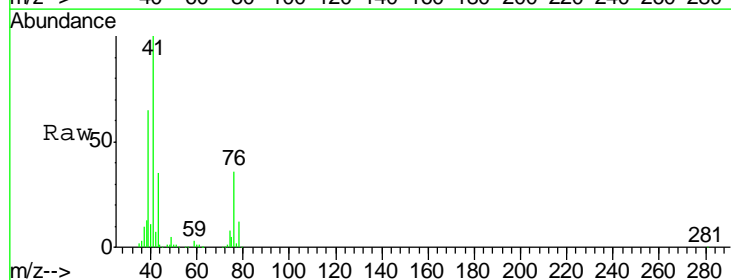
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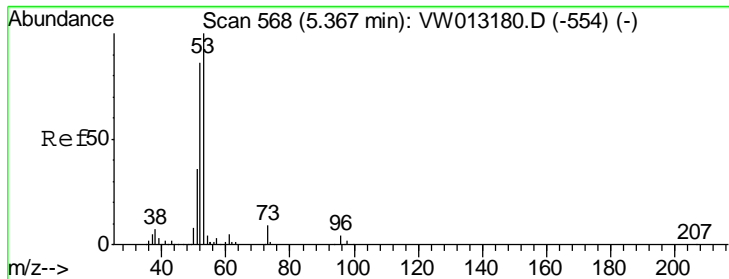
MMDadoda
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#14
 Allyl chloride
 Concen: 111.968 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
41	100		
39	63.8	51.0	76.4
76	35.3	28.4	42.6





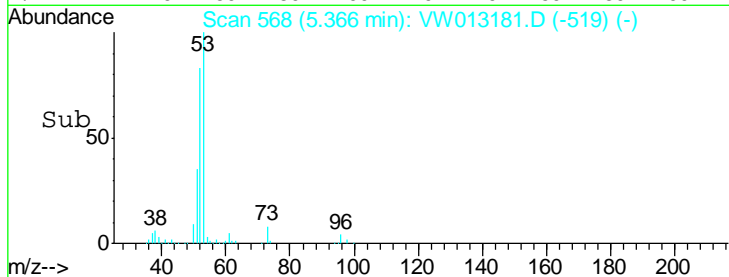
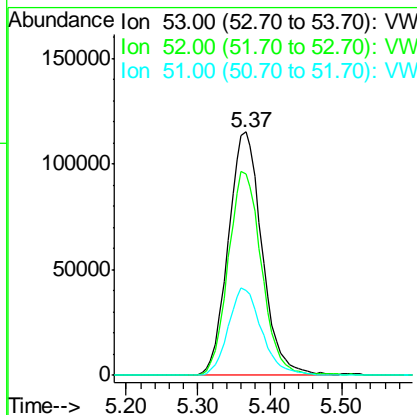
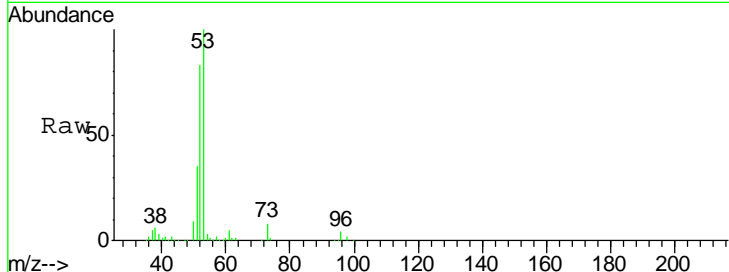
#15
 Acrylonitrile
 Concen: 518.884 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
53	374872		
52	82.7	65.3	97.9
51	35.7	29.0	43.4

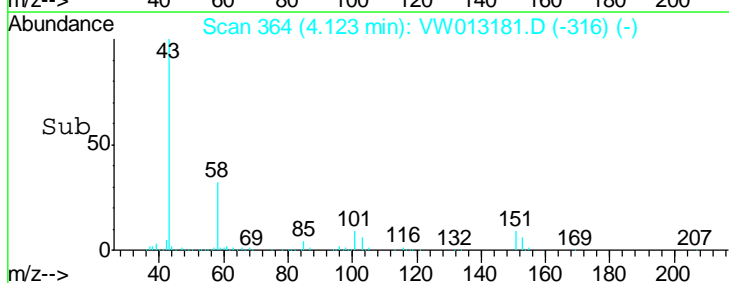
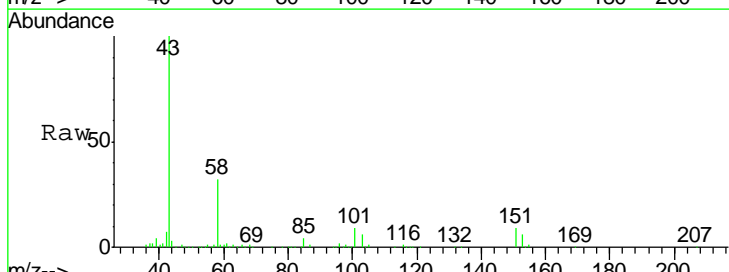
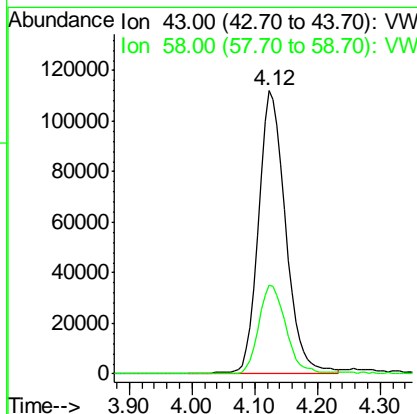
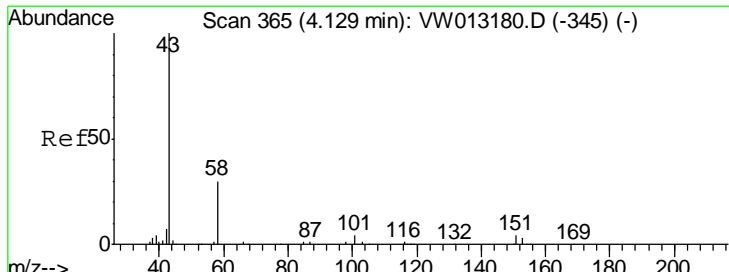
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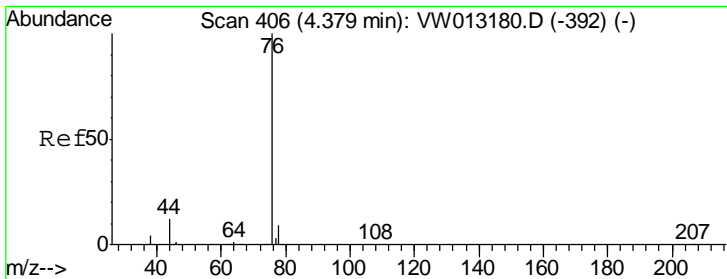
MMDadoda
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#16
 Acetone
 Concen: 436.513 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
43	335757		
58	31.5	24.1	36.1





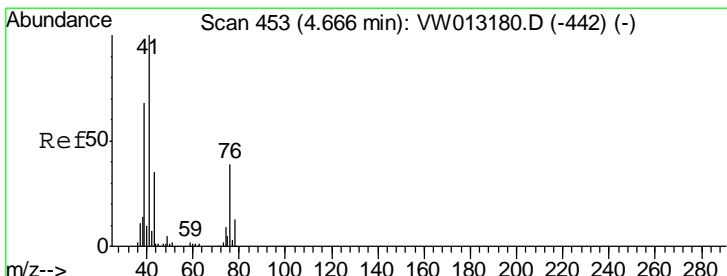
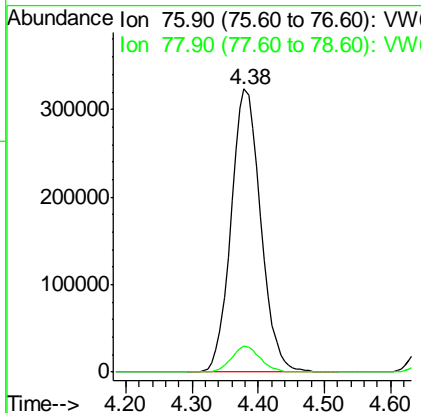
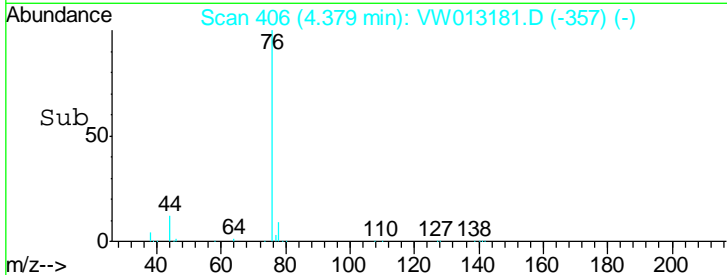
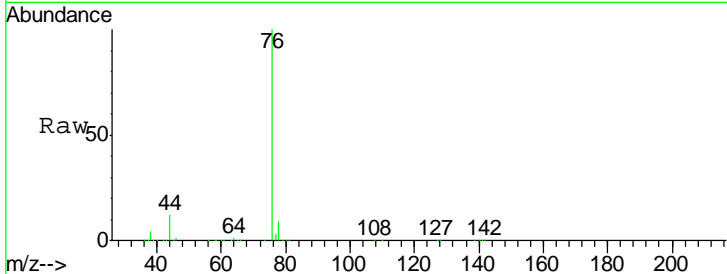
#17
 Carbon Disulfide
 Concen: 172.722 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion: 76 Resp: 1005829

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

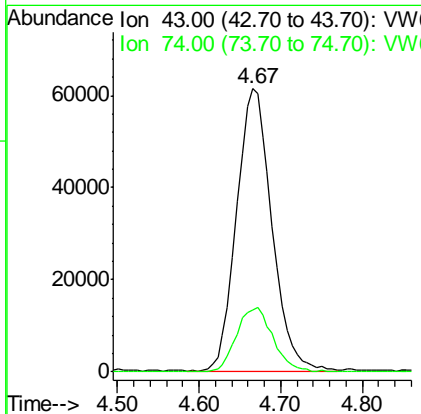
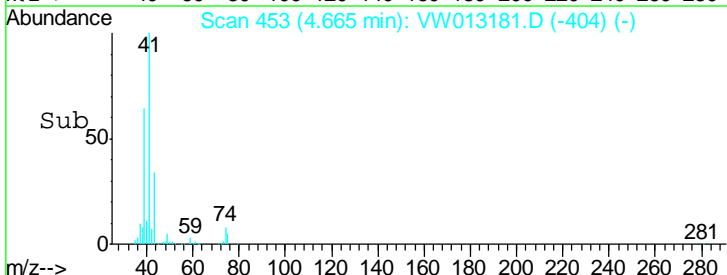
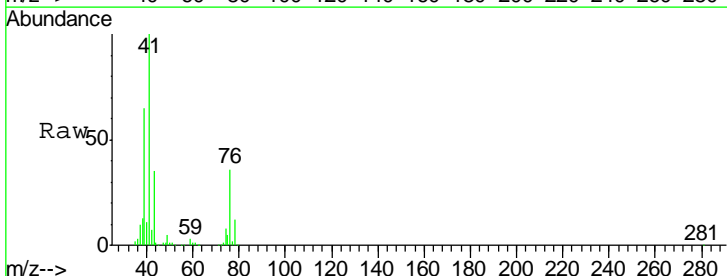
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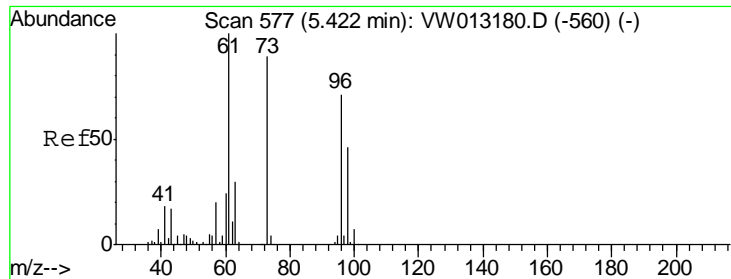


#18
 Methyl Acetate
 Concen: 96.733 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion: 43 Resp: 183747

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.3	28.9





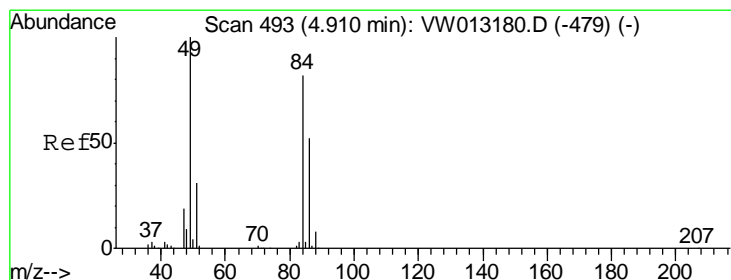
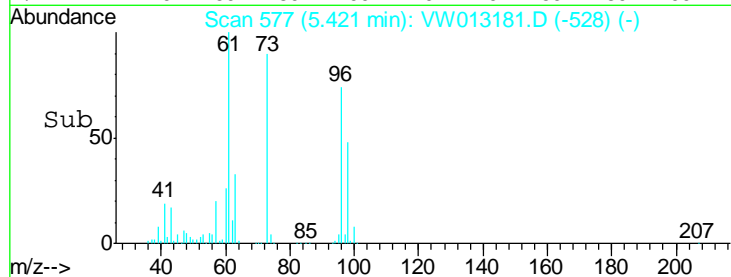
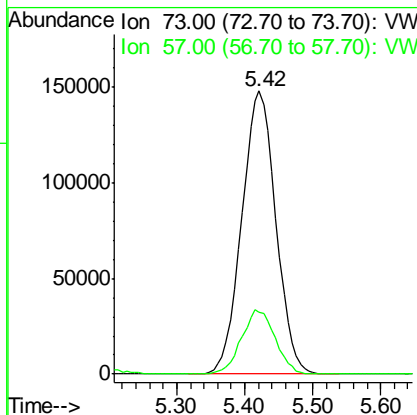
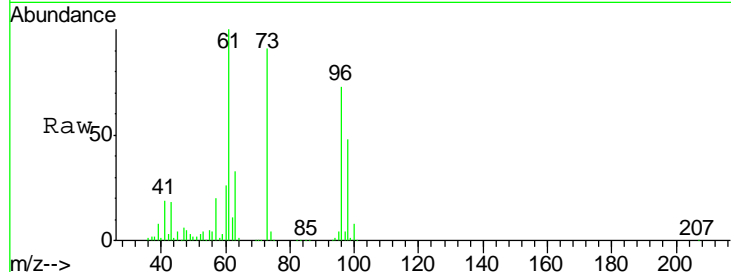
#19
 Methyl tert-butyl Ether
 Concen: 103.943 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
73	515614		
73	100		
57	22.1	17.6	26.4

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

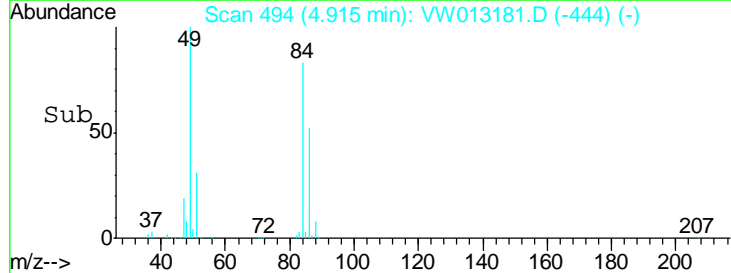
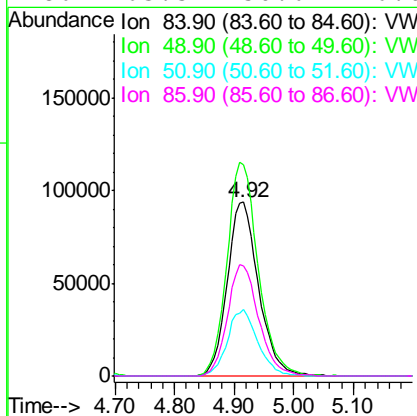
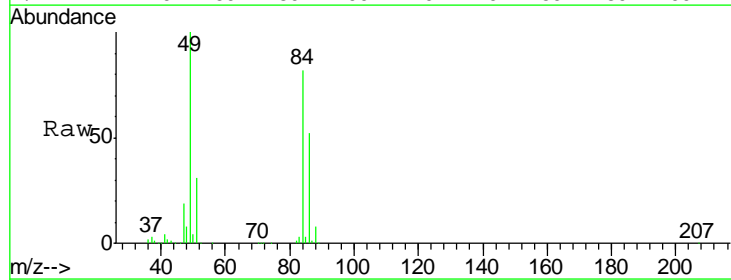
Manual Integrations
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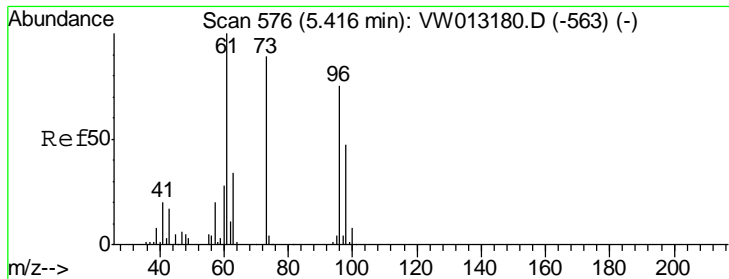
MMDadoda
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#20
 Methylene Chloride
 Concen: 105.000 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

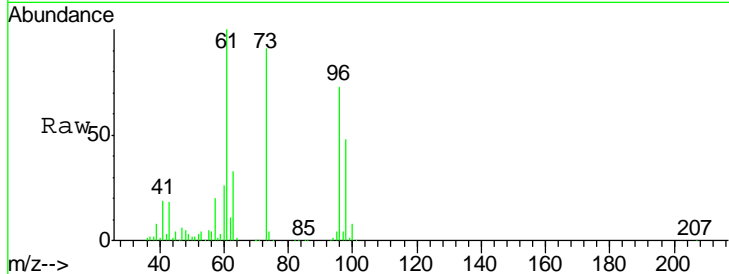
Tgt Ion	Resp	Lower	Upper
84	342154		
84	100		
49	121.3	97.6	146.4
51	38.0	30.2	45.2
86	63.5	50.6	76.0





#21
 trans-1,2-Dichloroethene
 Concen: 128.223 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

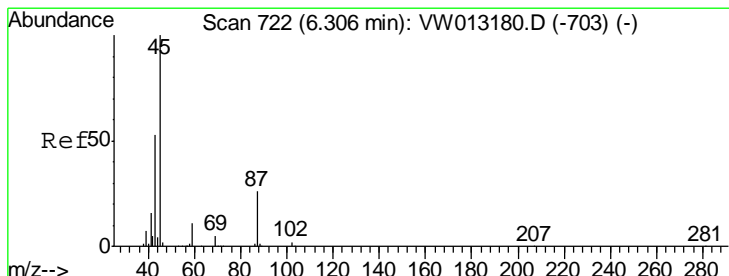
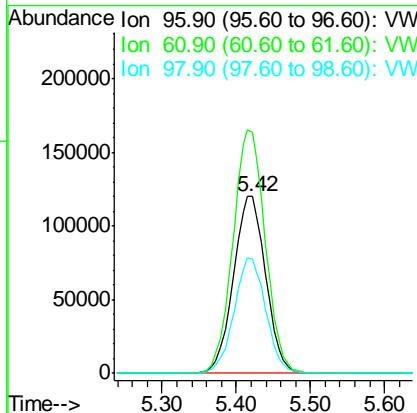
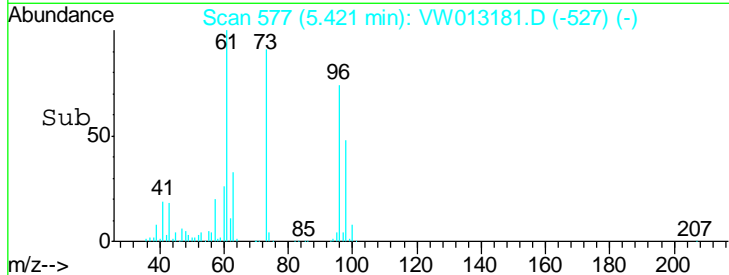


Tgt Ion: 96 Resp: 364361

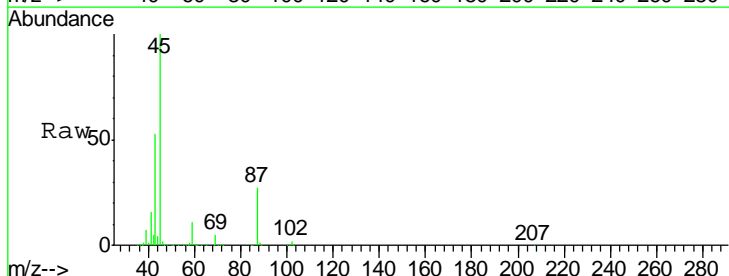
Ion	Ratio	Lower	Upper
96	100		
61	136.1	106.6	159.8
98	64.7	49.8	74.8

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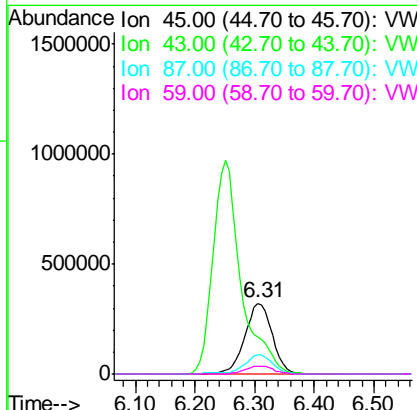
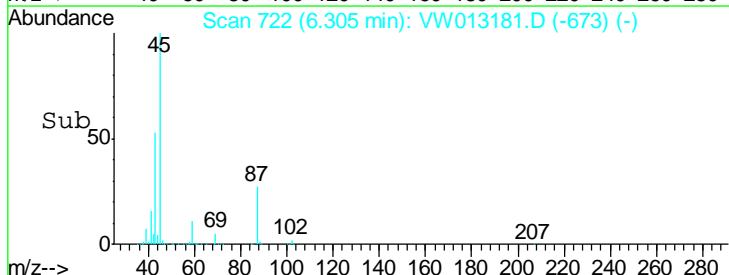


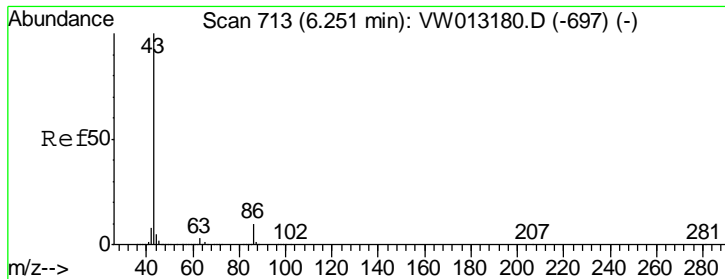
#22
 Diisopropyl ether
 Concen: 104.060 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27



Tgt Ion: 45 Resp: 1032354

Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.4	63.6
87	26.8	20.4	30.6
59	11.2	8.8	13.2





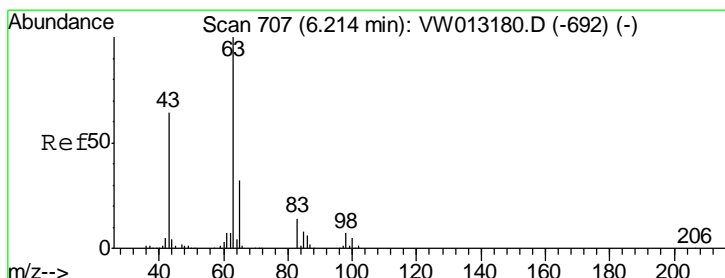
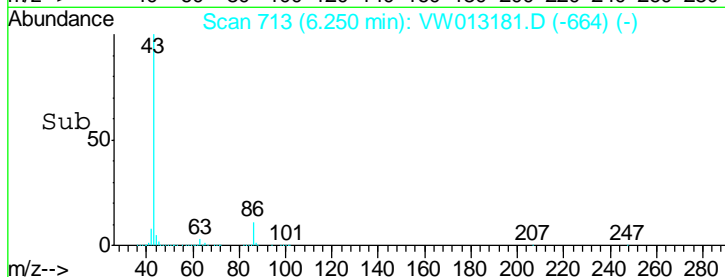
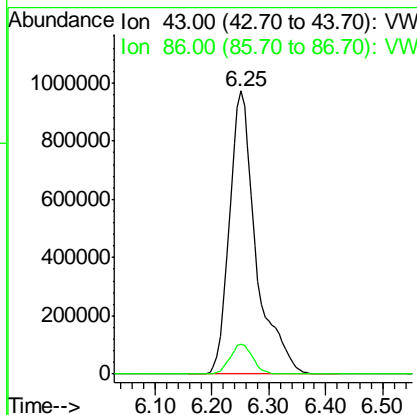
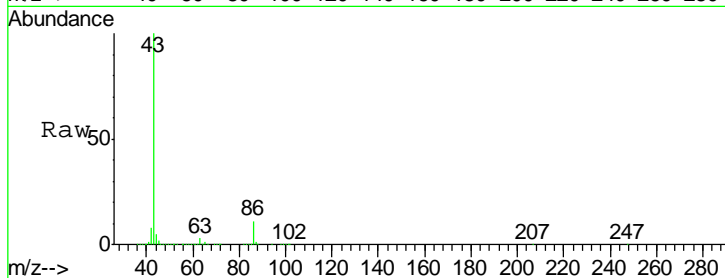
#23
 Vinyl Acetate
 Concen: 537.024 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.6	8.3	12.5

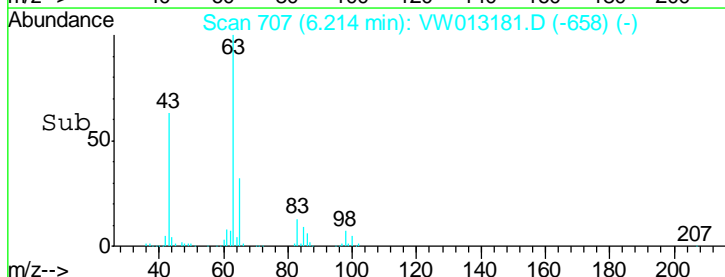
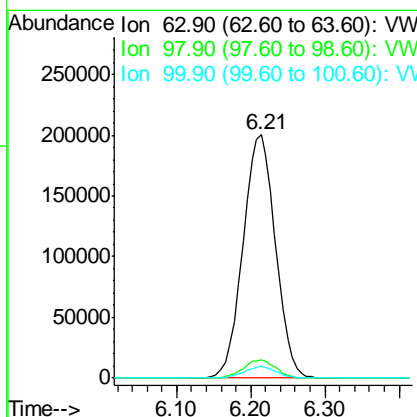
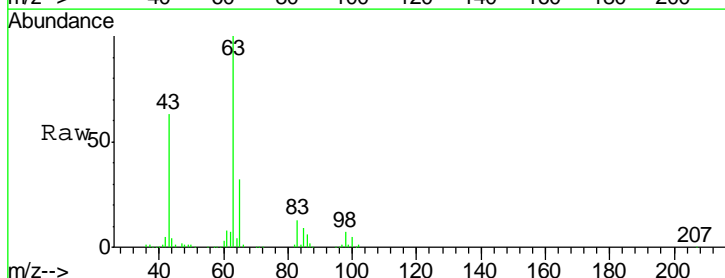
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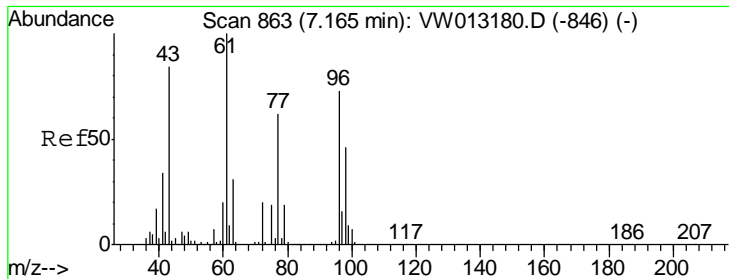
MMDadoda
 9/24/2019 5:28:48 AM



#24
 1,1-Dichloroethane
 Concen: 105.871 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	4.8	2.4	7.1





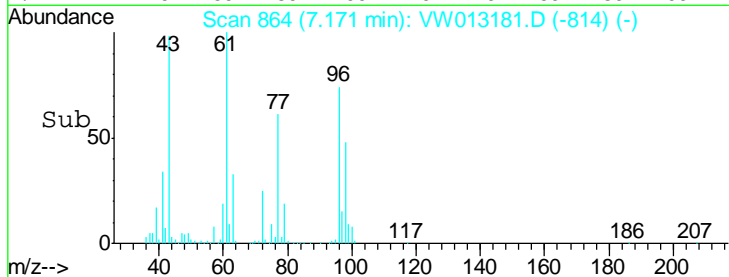
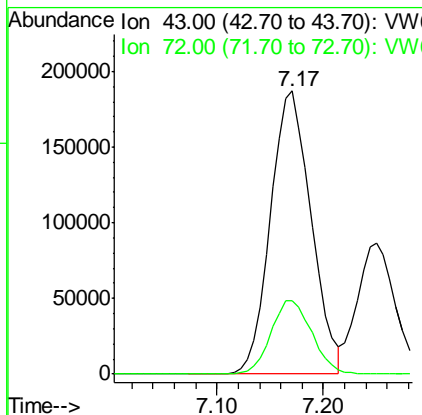
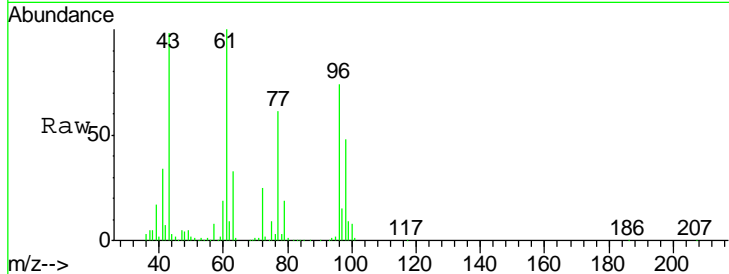
#25
 2-Butanone
 Concen: 473.589 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.9	19.4	29.0

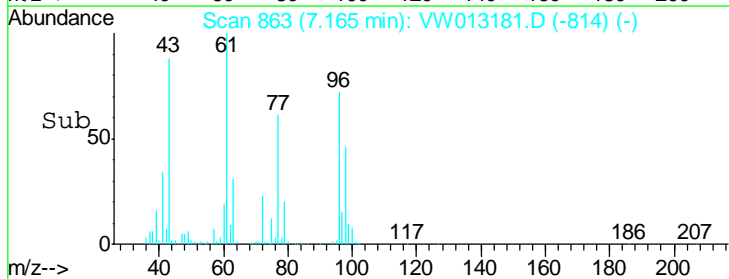
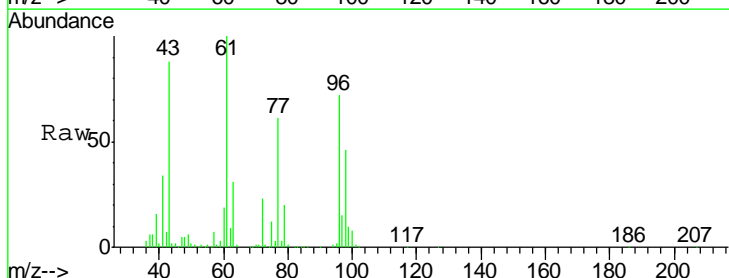
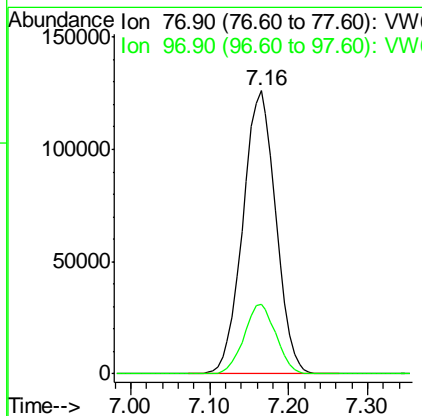
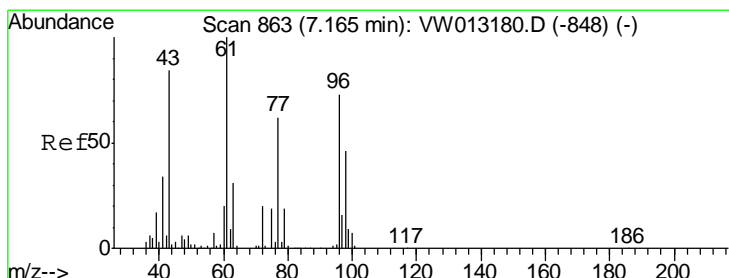
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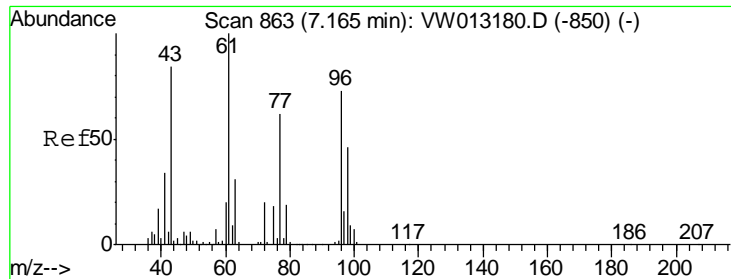
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#26
 2,2-Dichloropropane
 Concen: 90.961 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.7	11.8	35.4





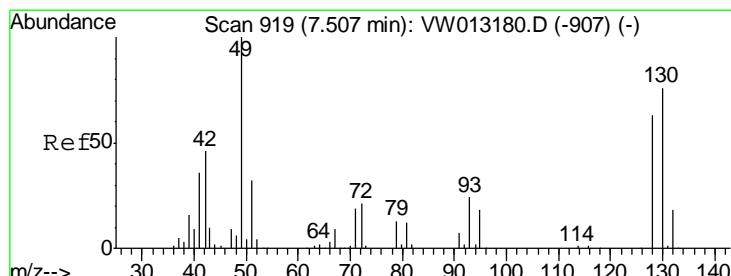
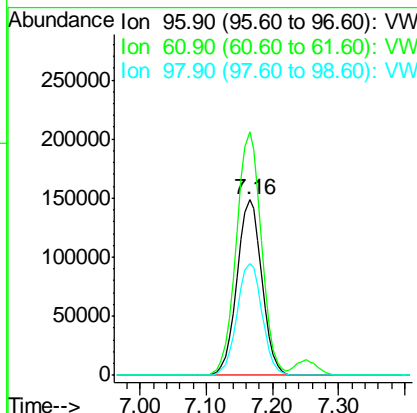
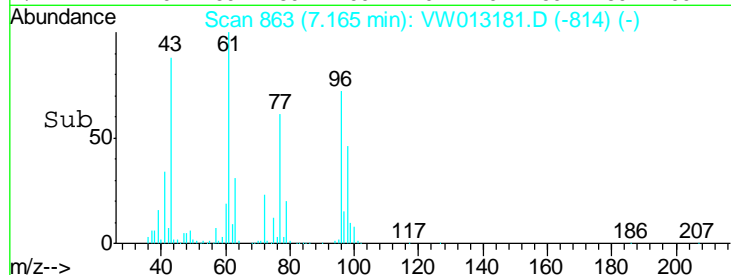
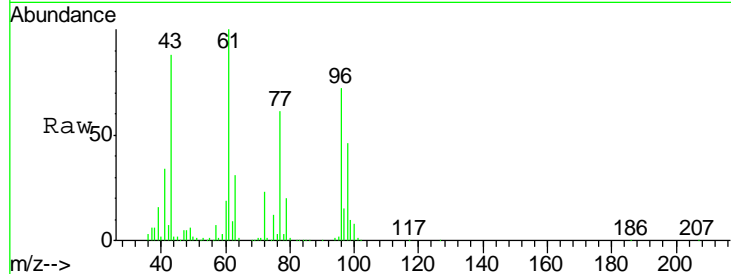
#27
 cis-1,2-Dichloroethene
 Concen: 116.432 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	387221		
96	100		
61	140.0	0.0	282.4
98	64.4	0.0	128.2

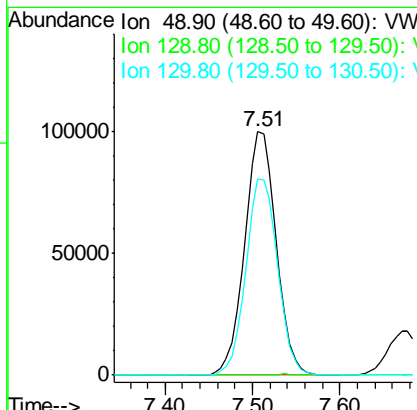
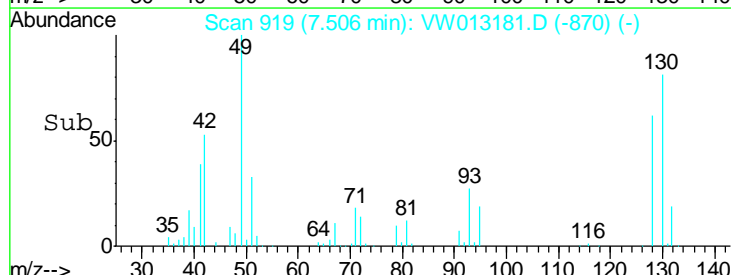
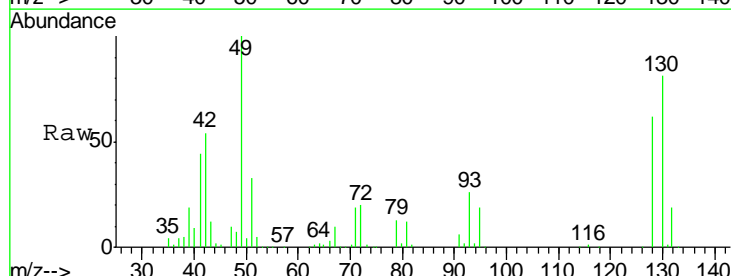
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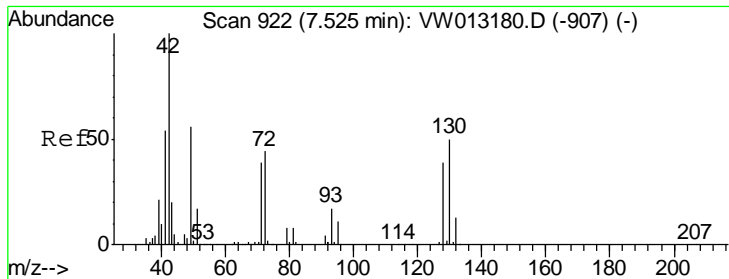
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#28
 Bromochloromethane
 Concen: 103.435 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
49	250393		
49	100		
129	0.0	0.0	1.0
130	81.1	63.4	95.2





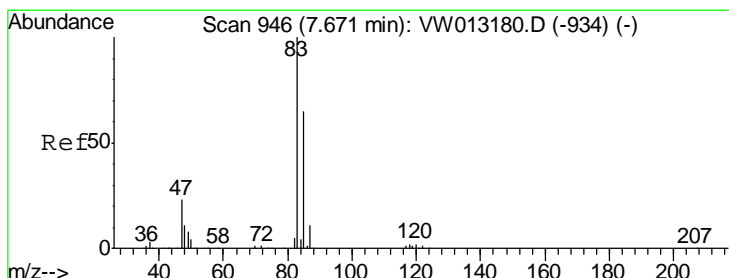
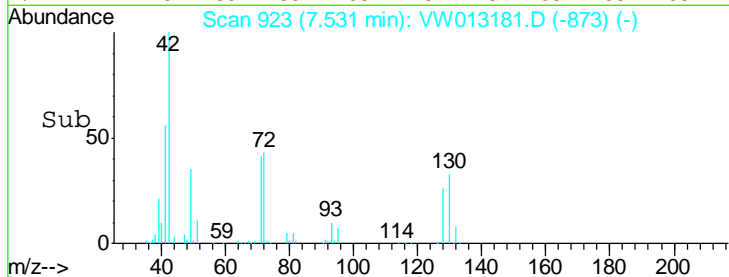
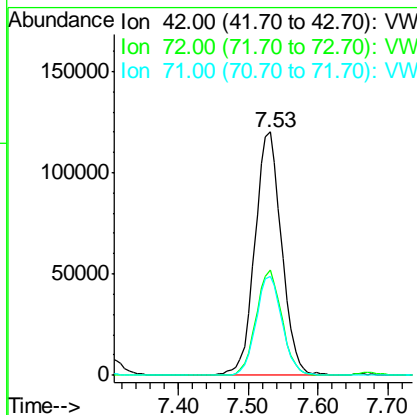
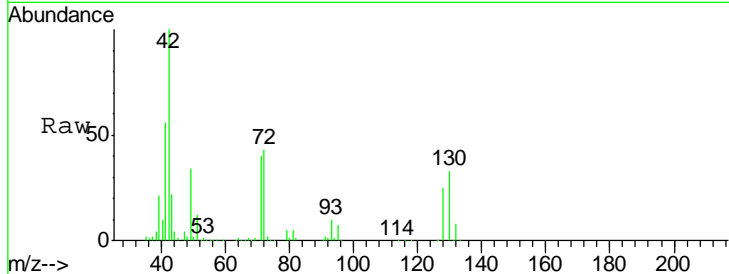
#29
 Tetrahydrofuran
 Concen: 528.415 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
42	100		
72	41.7	33.9	50.9
71	39.5	31.9	47.9

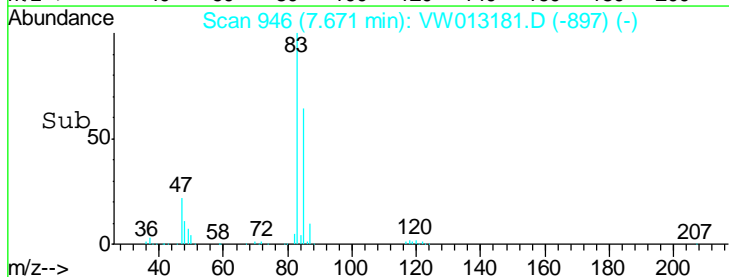
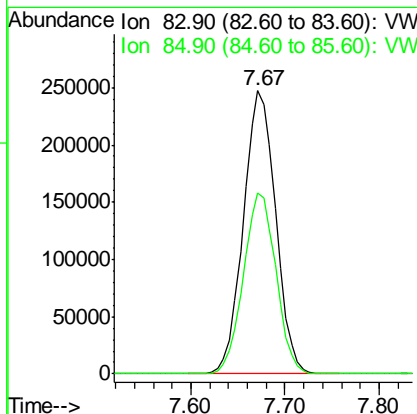
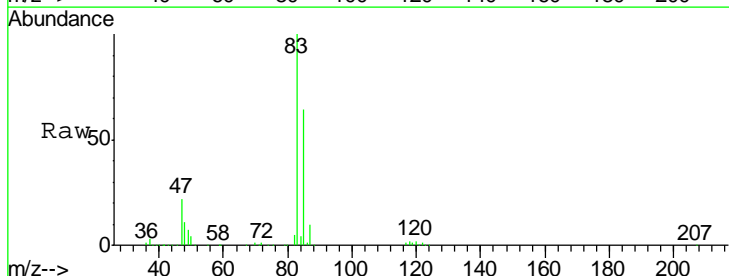
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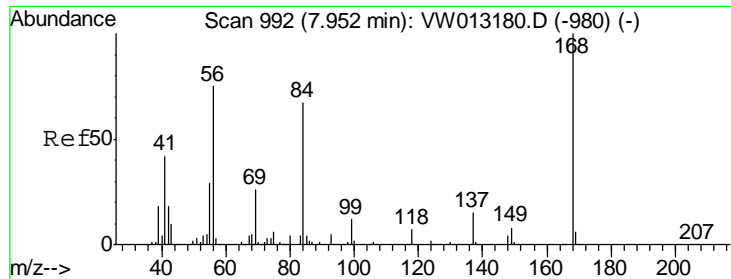
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#30
 Chloroform
 Concen: 101.695 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.8	52.3	78.5





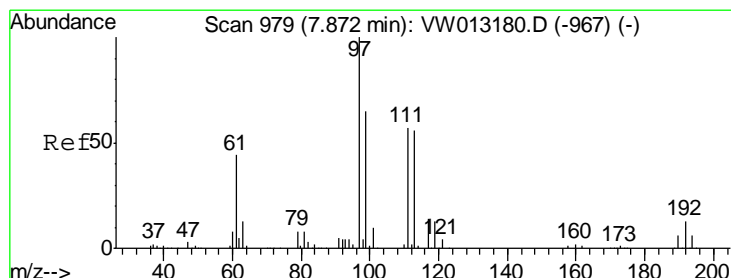
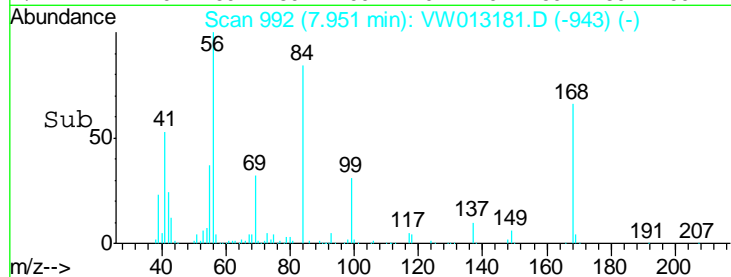
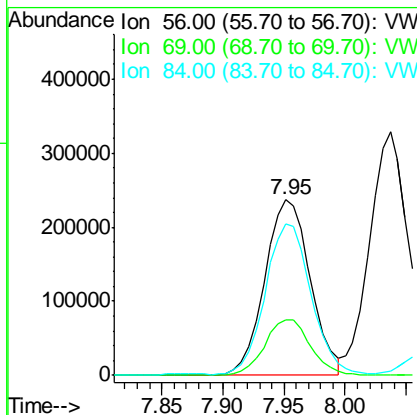
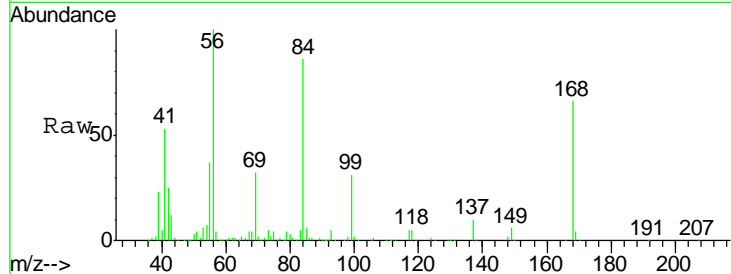
#31
 Cyclohexane
 Concen: 119.809 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	614803		
56	100		
69	31.6	27.2	40.8
84	85.0	70.8	106.2

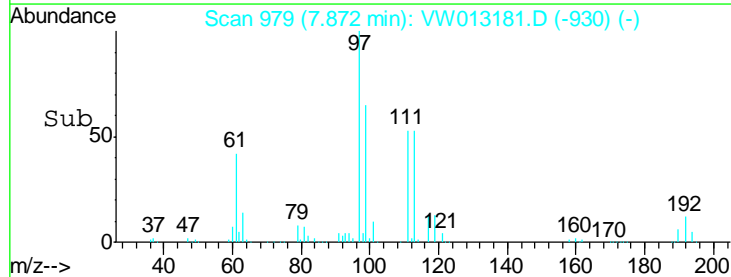
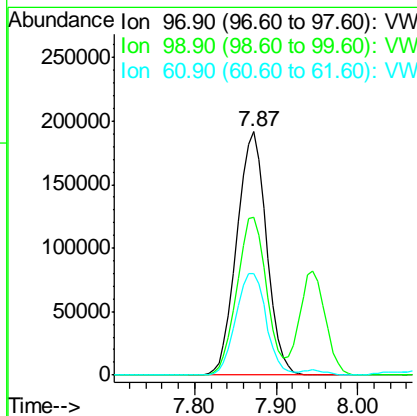
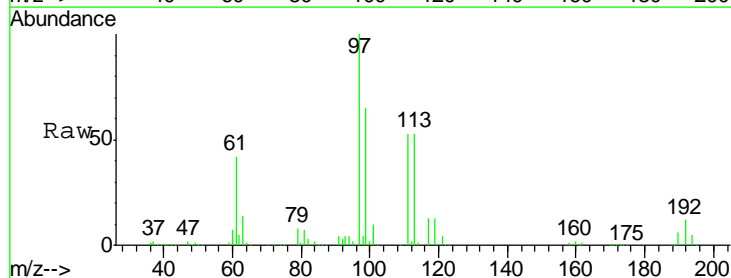
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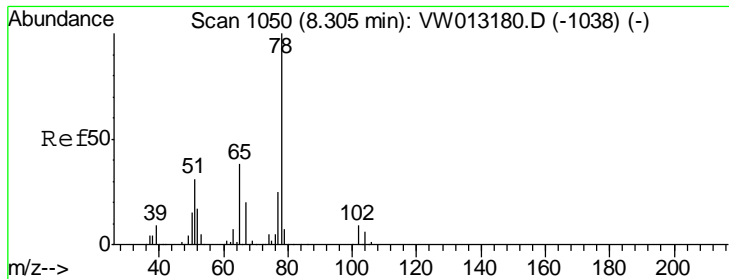
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#32
 1,1,1-Trichloroethane
 Concen: 101.075 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
97	483814		
97	100		
99	64.7	51.7	77.5
61	42.8	34.6	51.8



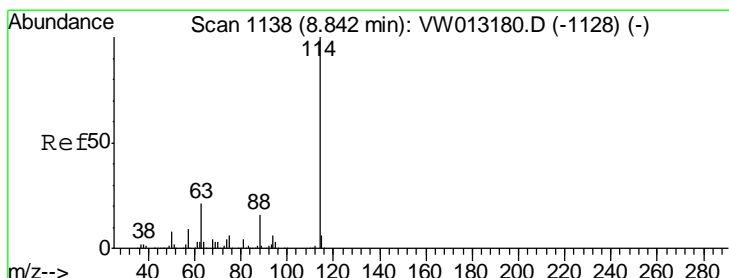
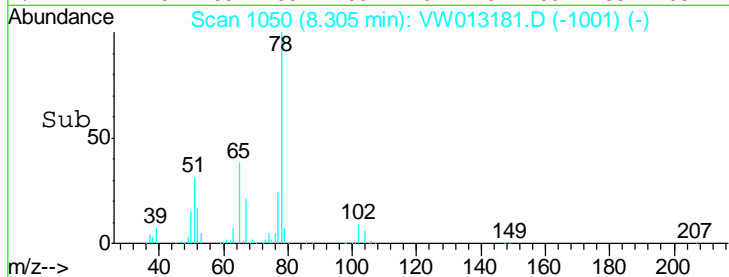
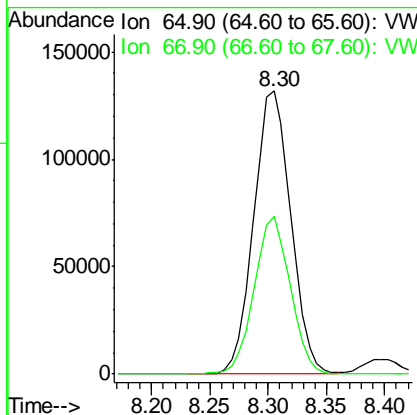
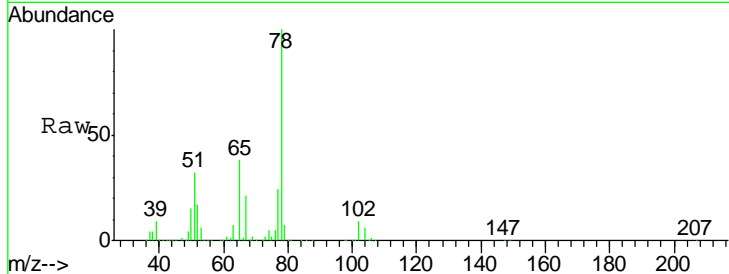


#33
 1,2-Dichloroethane-d4
 Concen: 89.158 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
65	291216		
65	100		
67	54.4	0.0	106.2

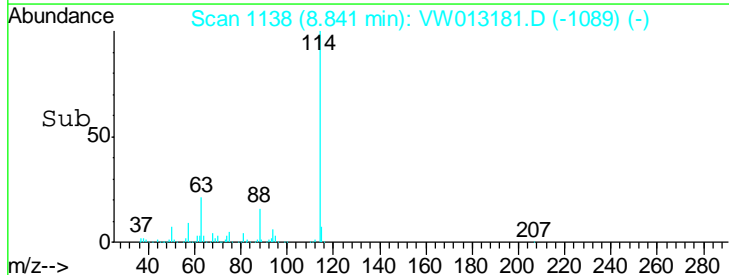
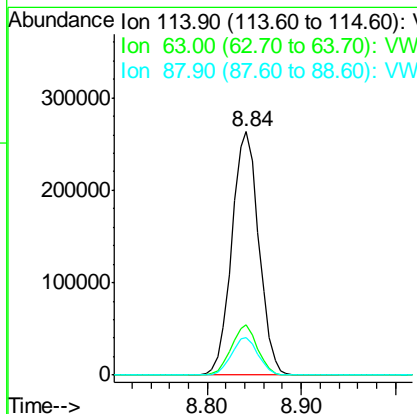
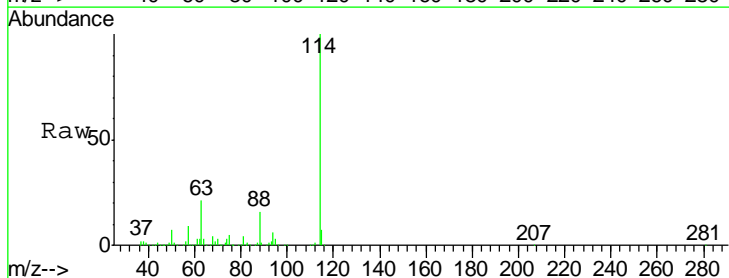
Instrument : MSVOA_W
 Client Sampled : VSTDIC100

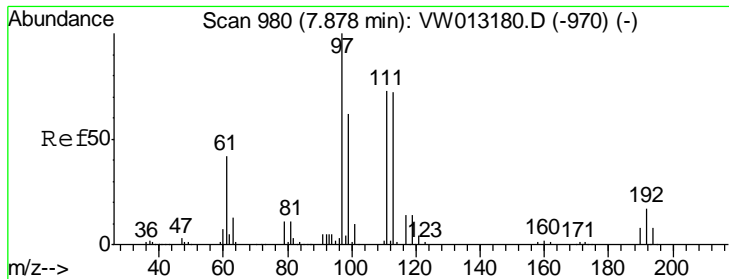
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
114	522738		
114	100		
63	20.6	0.0	41.4
88	15.6	0.0	32.0





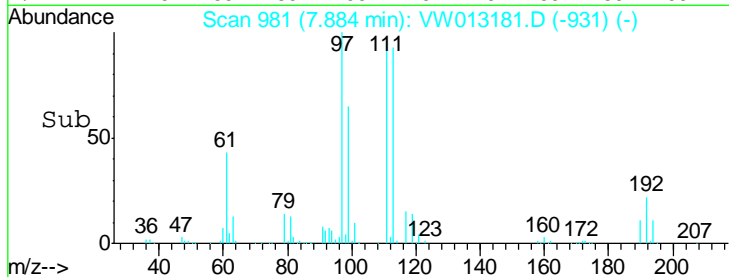
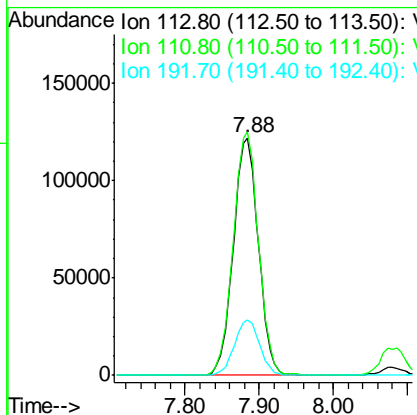
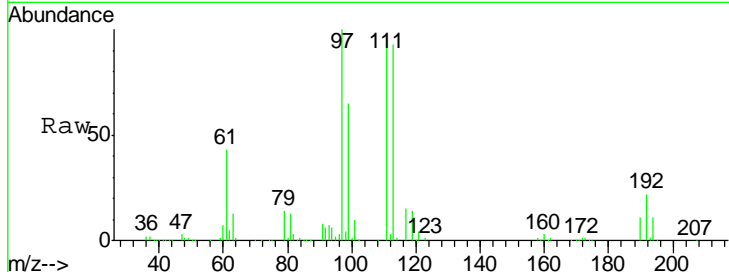
#35
 Dibromofluoromethane
 Concen: 101.825 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
113	287802		
113	100		
111	103.3	81.9	122.9
192	23.5	19.1	28.7

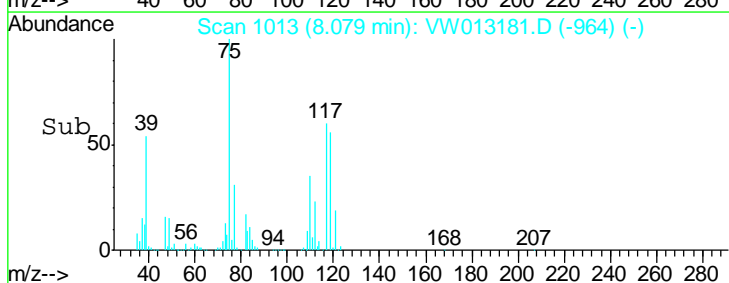
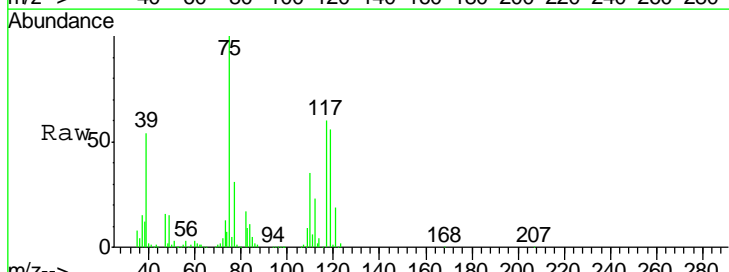
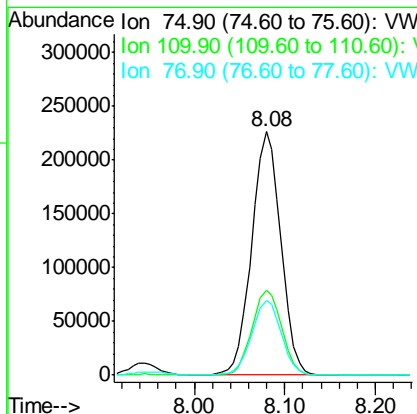
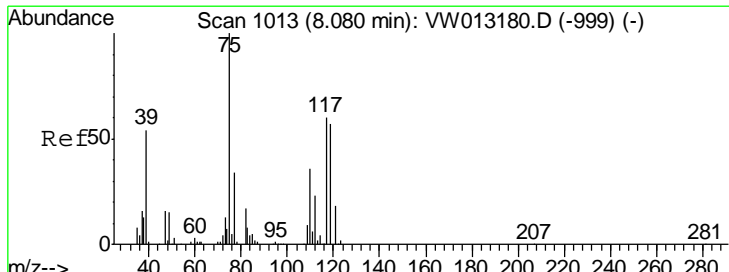
Manual Integrations
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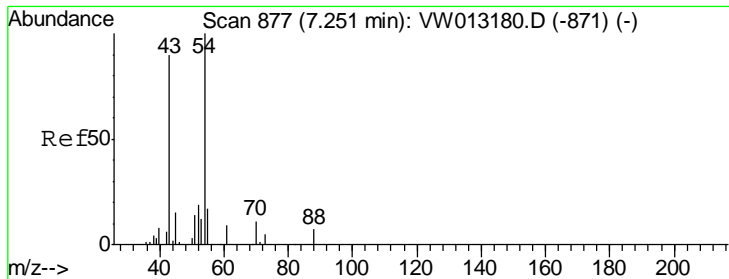
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#36
 1,1-Dichloropropene
 Concen: 116.887 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
75	503795		
75	100		
110	35.4	18.1	54.3
77	31.2	25.8	38.6





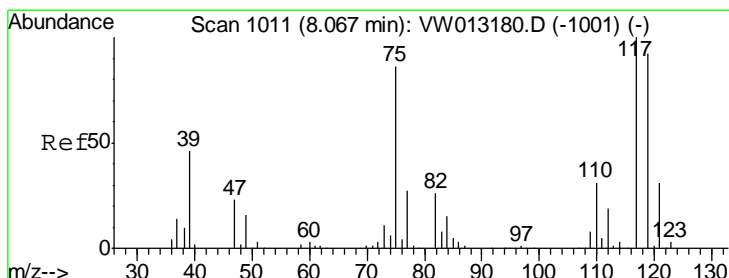
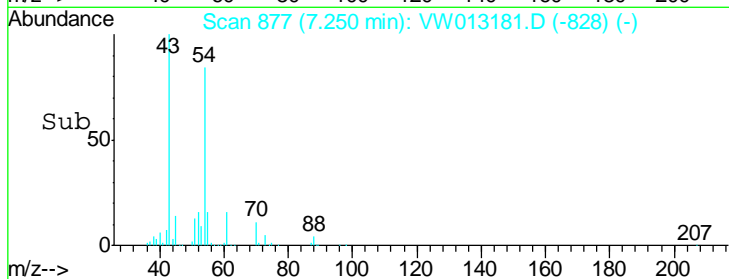
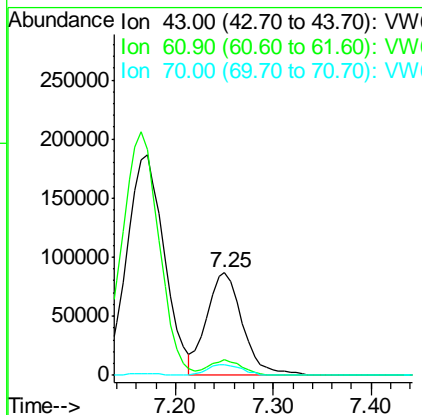
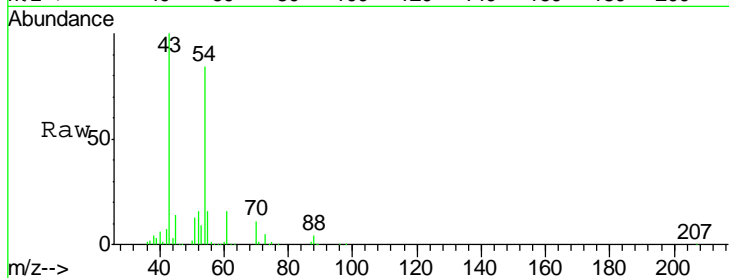
#37
 Ethyl Acetate
 Concen: 100.656 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	10.6	8.2	12.2

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

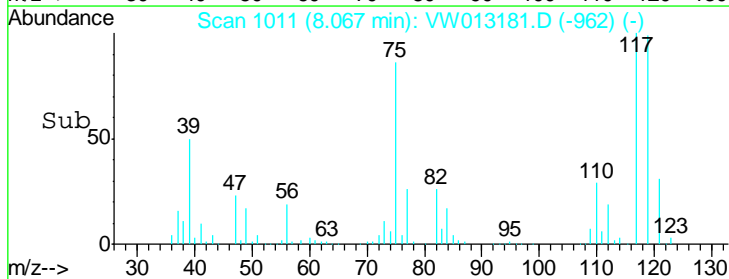
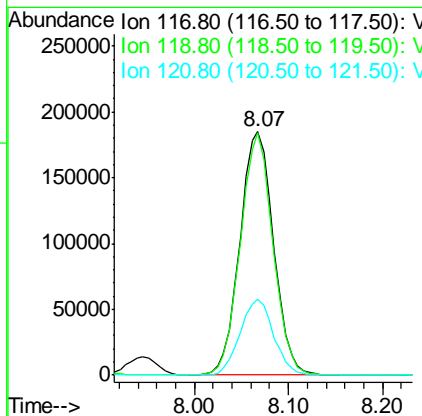
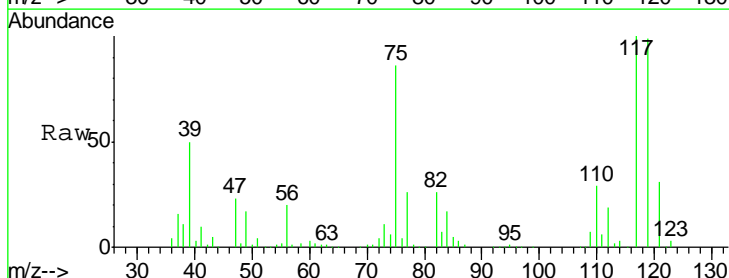
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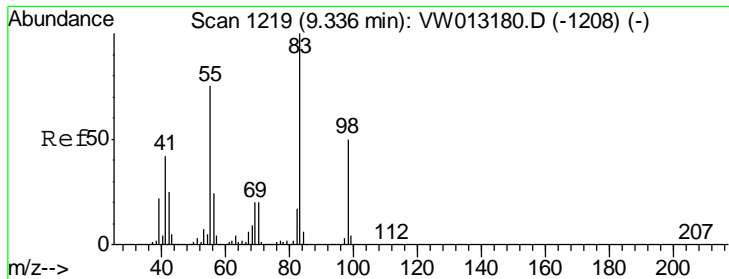
MMDadoda
 9/24/2019 5:28:48 AM



#38
 Carbon Tetrachloride
 Concen: 106.880 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
117	100		
119	99.5	73.5	110.3
121	31.5	25.0	37.6





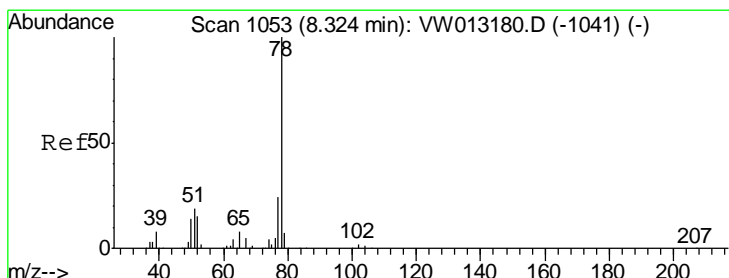
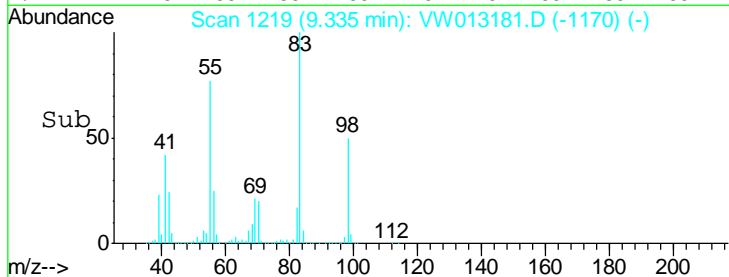
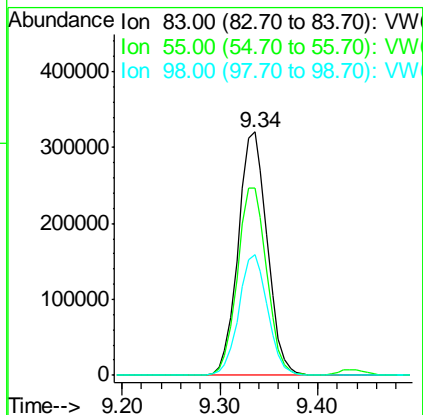
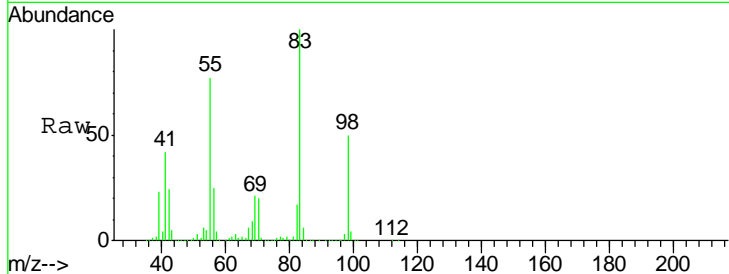
#39
 Methylcyclohexane
 Concen: 134.480 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	660742		
83	100		
55	77.0	60.4	90.6
98	49.7	40.0	60.0

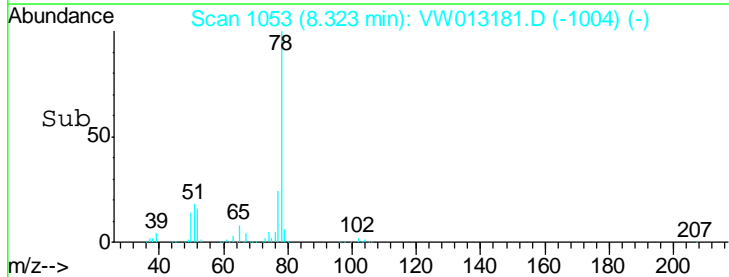
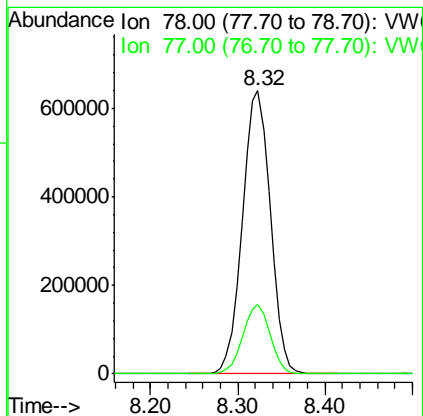
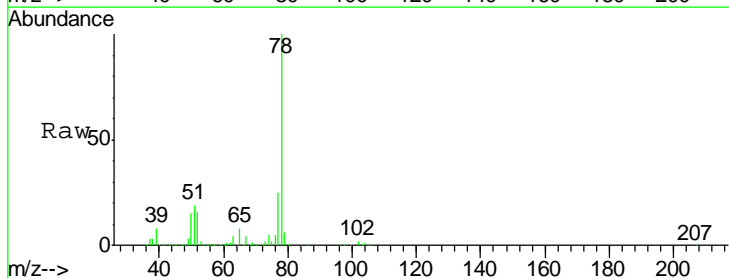
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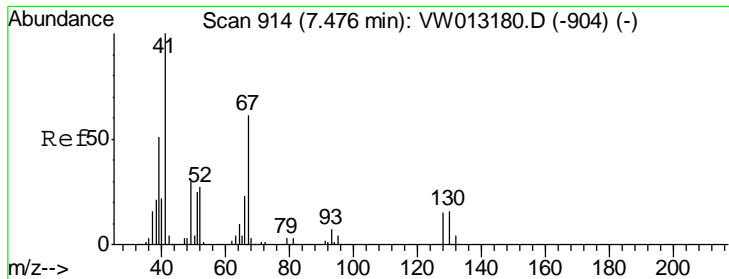
MMDadoda
 9/24/2019 5:28:48 AM



#40
 Benzene
 Concen: 117.750 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
78	1416864		
78	100		
77	24.6	19.1	28.7





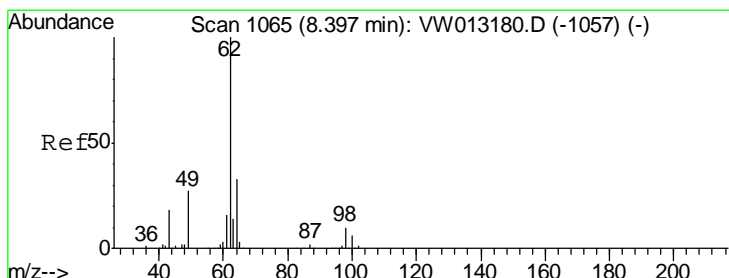
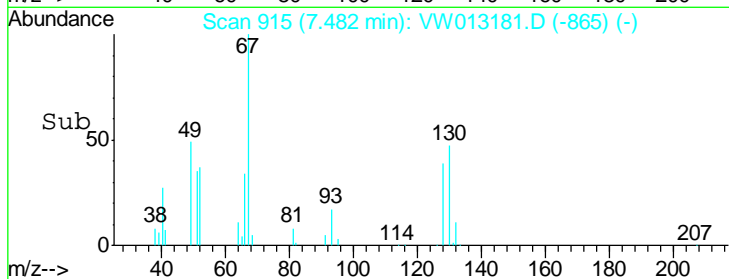
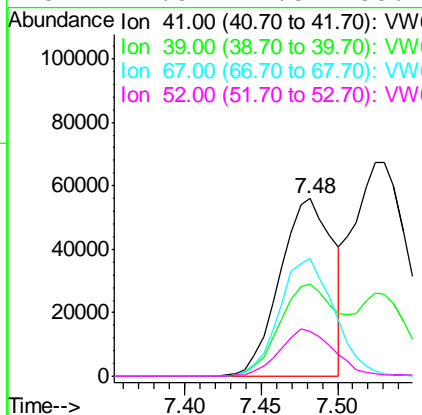
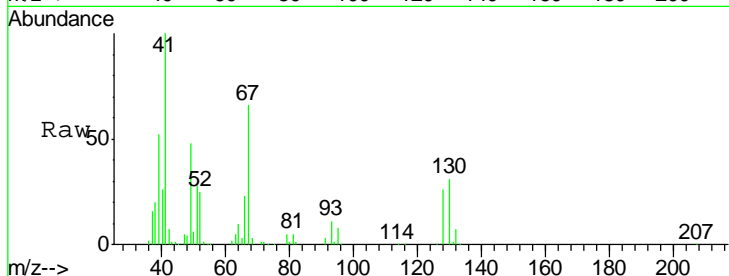
#41
 Methacrylonitrile
 Concen: 94.673 ug/l
 RT: 7.48 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
41	100		
39	57.3	45.9	68.9
67	68.6	54.5	81.7
52	27.5	22.5	33.7

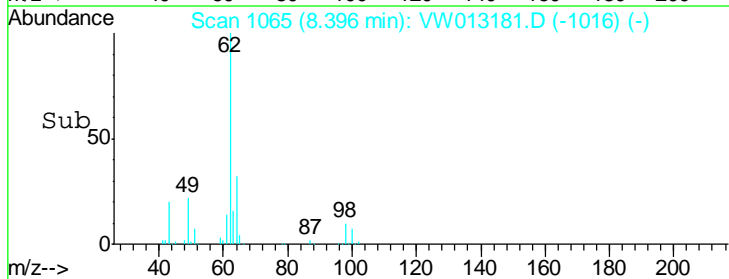
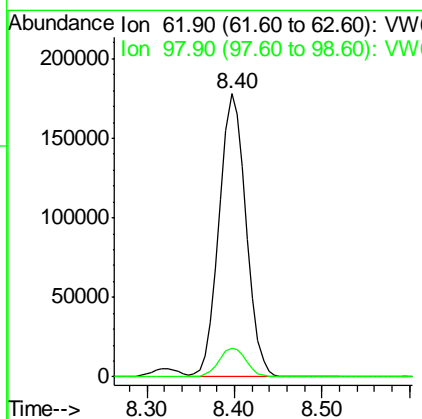
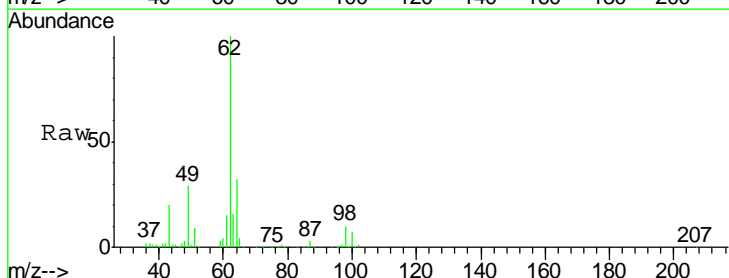
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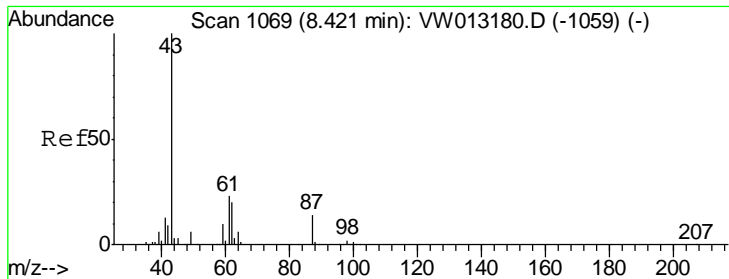
MMDadoda
 9/24/2019 5:28:48 AM



#42
 1,2-Dichloroethane
 Concen: 97.899 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.4	0.0	20.6





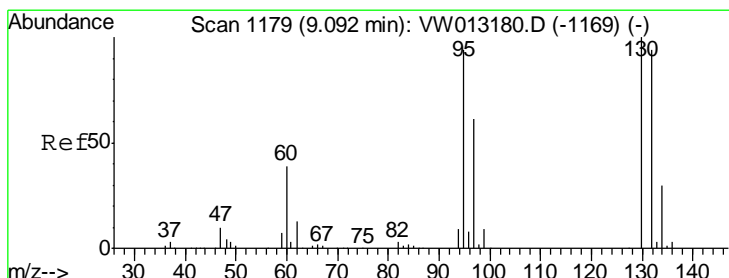
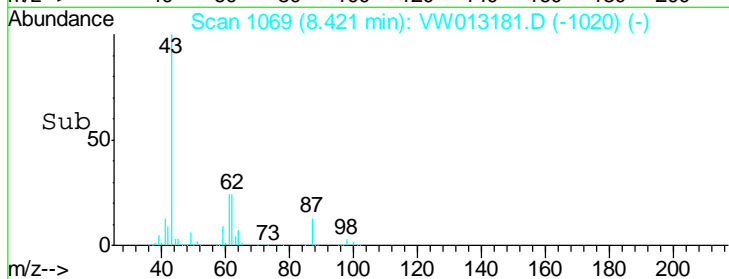
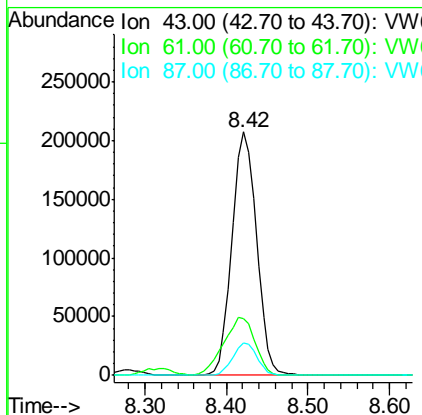
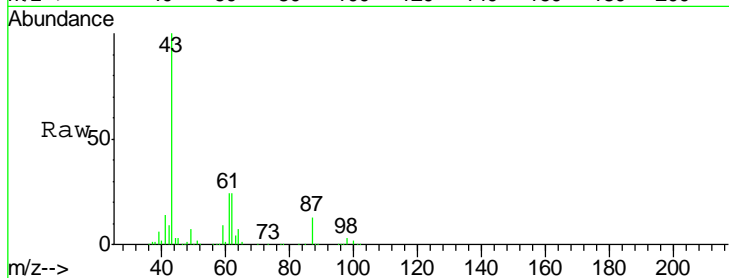
#43
 Isopropyl Acetate
 Concen: 102.340 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.9	25.5	38.3
87	13.4	11.0	16.4

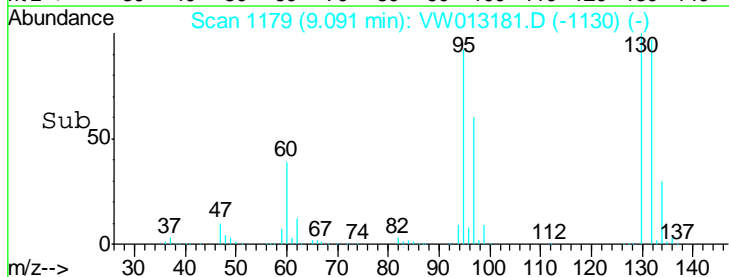
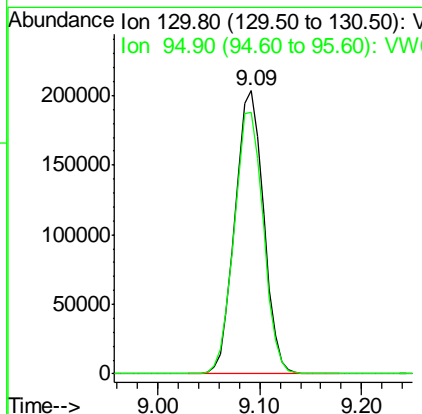
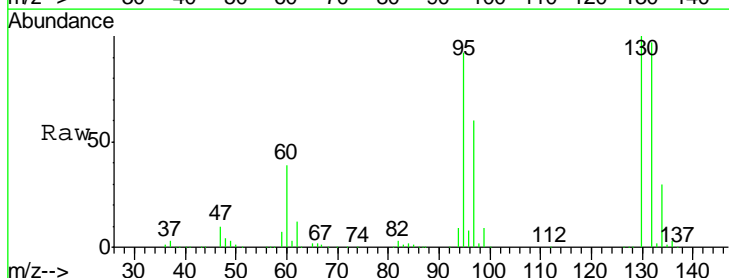
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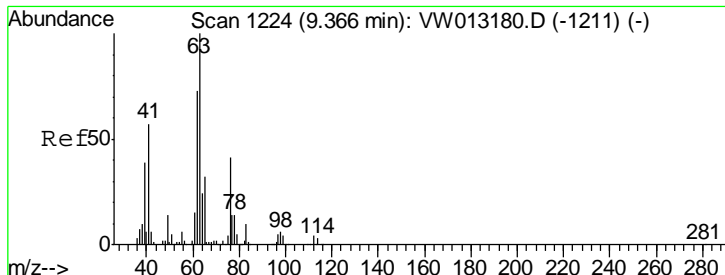
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#44
 Trichloroethene
 Concen: 118.902 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
130	100		
95	92.3	0.0	188.0





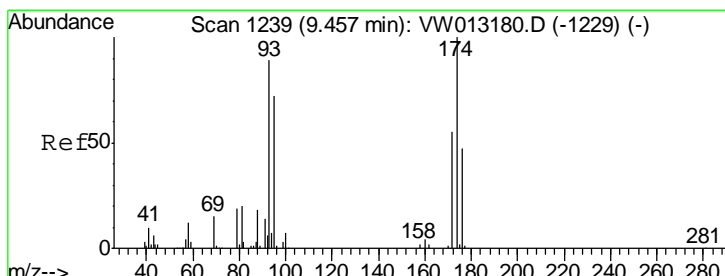
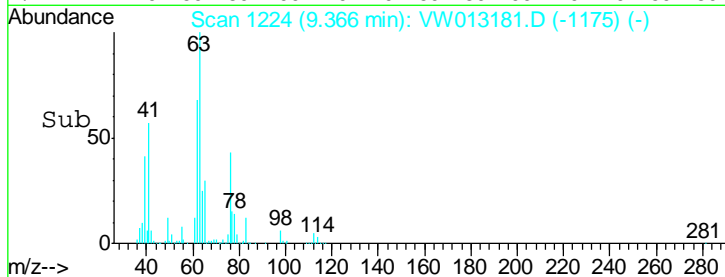
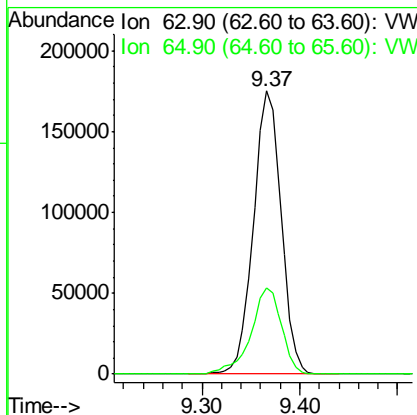
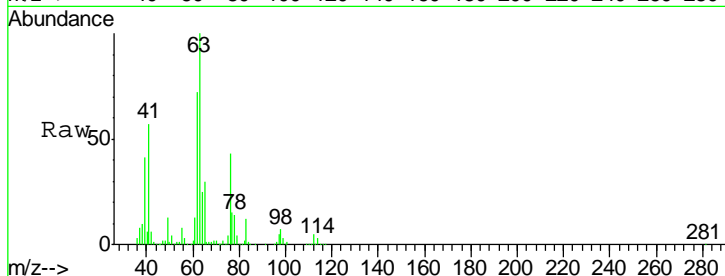
#45
 1,2-Dichloropropane
 Concen: 110.653 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.3	25.3	37.9

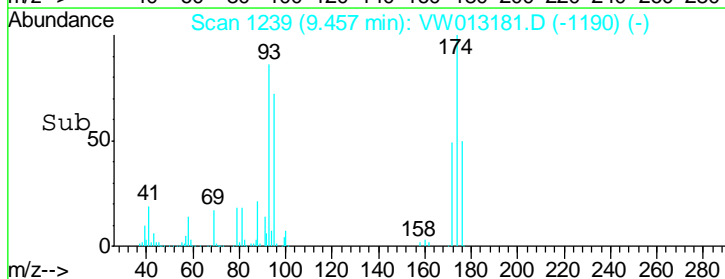
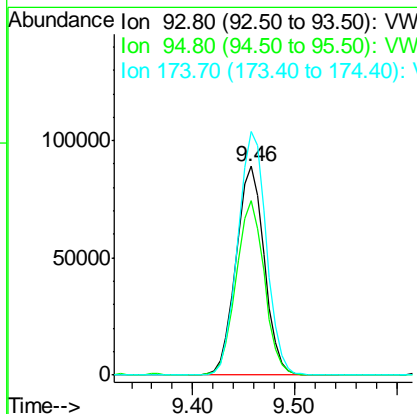
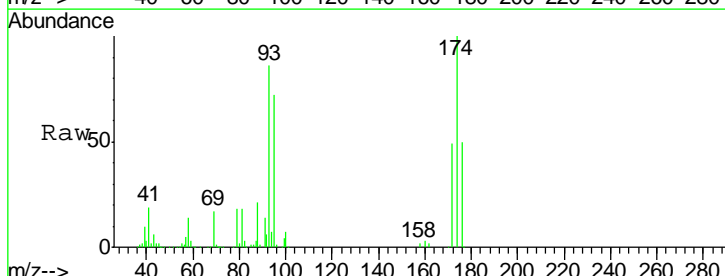
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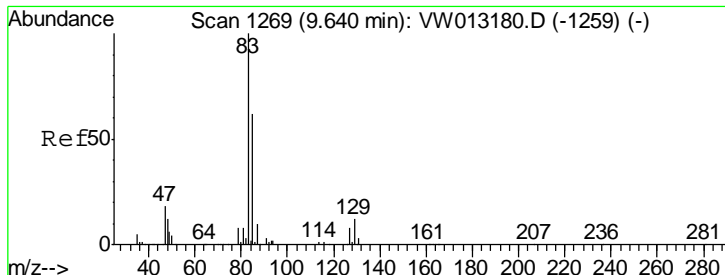
MMDadoda
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#46
 Dibromomethane
 Concen: 113.087 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	117.9	93.0	139.6





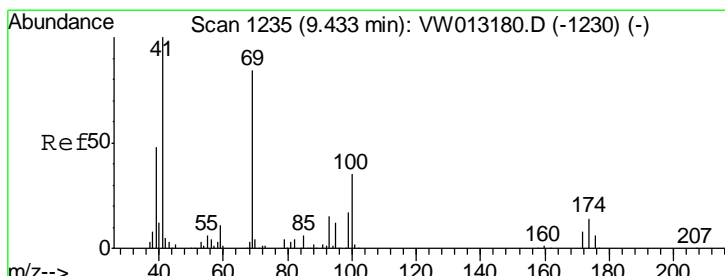
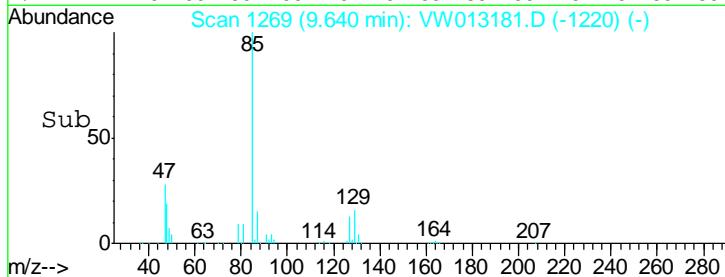
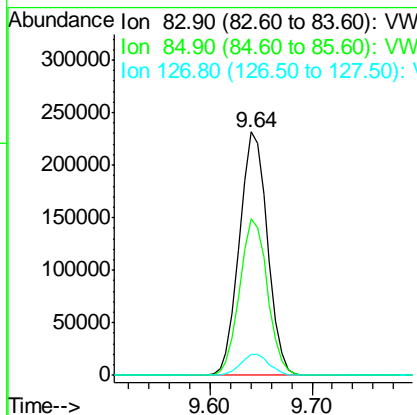
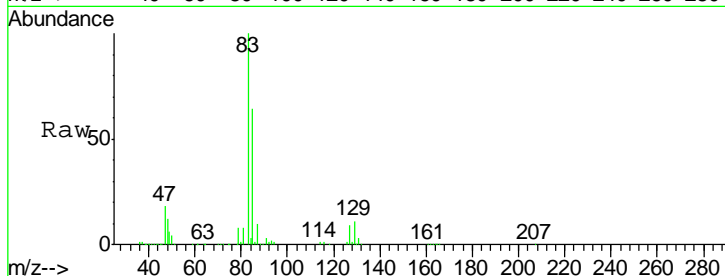
#47
 Bromodichloromethane
 Concen: 106.167 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	441235		
85	64.1	49.4	74.2
127	8.5	6.5	9.7

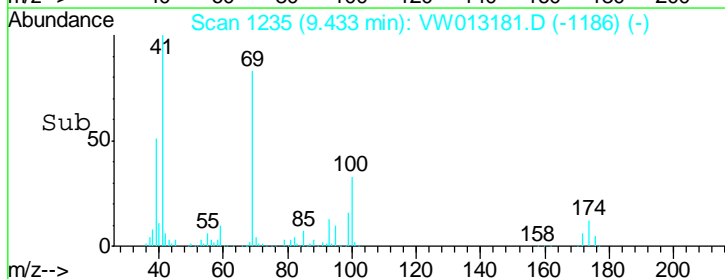
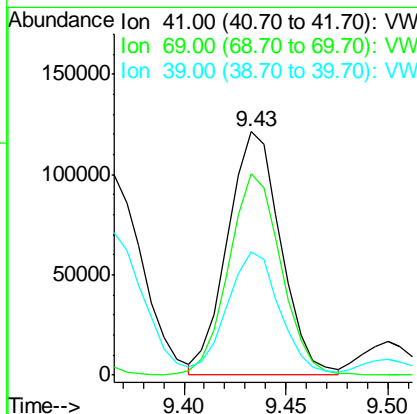
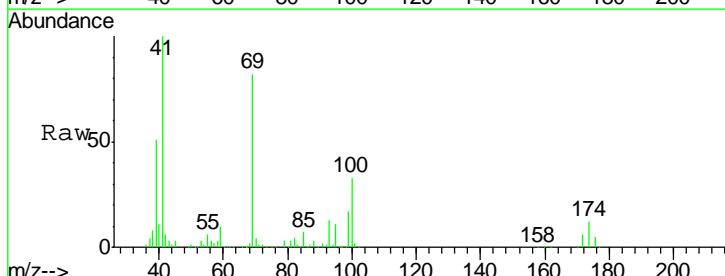
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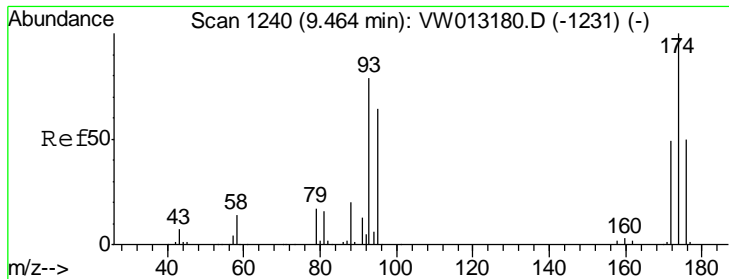
MMDadoda
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#48
 Methyl methacrylate
 Concen: 111.479 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
41	220070		
69	80.7	69.7	104.5
39	47.6	41.1	61.7





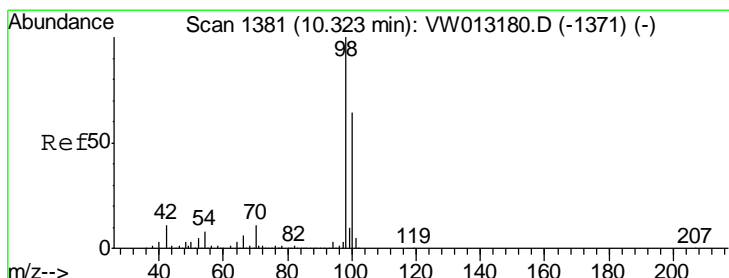
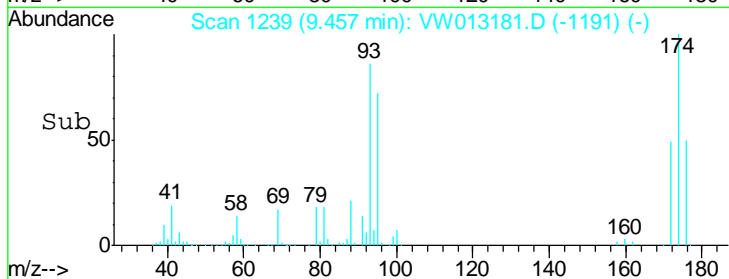
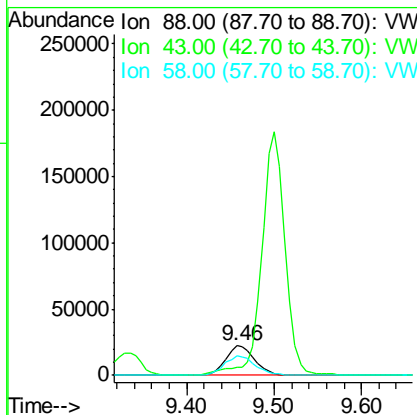
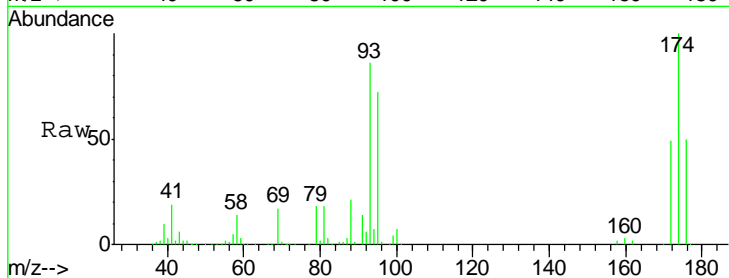
#49
 1,4-Dioxane
 Concen: 2114.995 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
88	51070		
88	100		
43	0.0	0.0	0.0
58	72.3	65.4	98.0

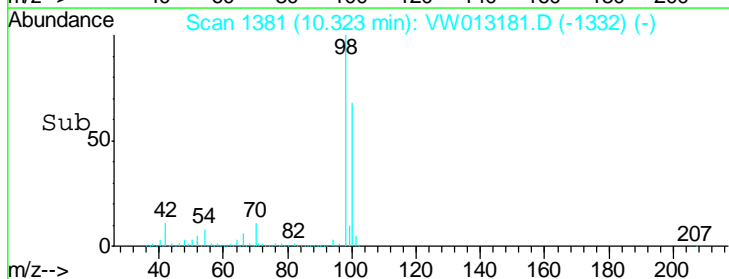
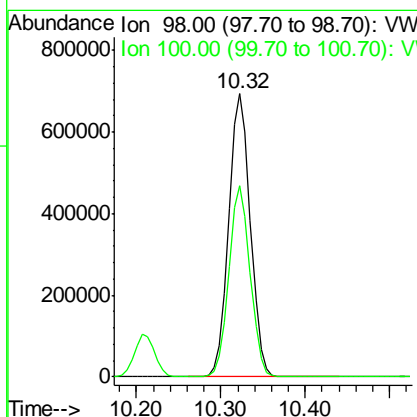
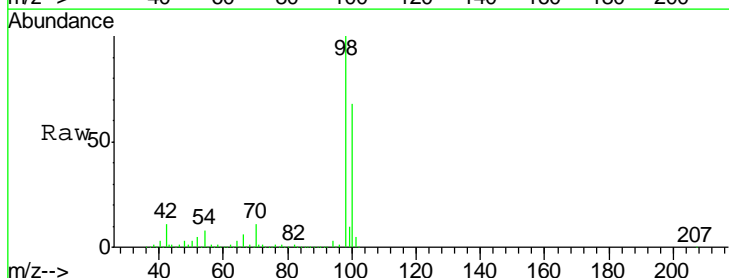
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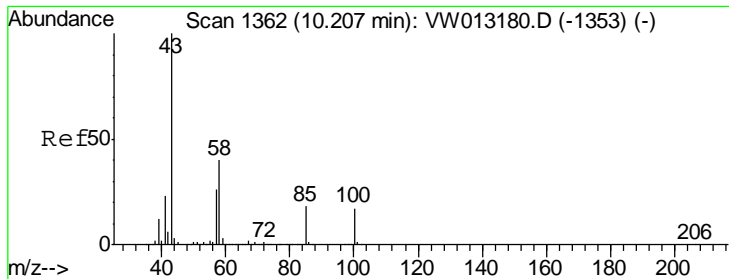
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#50
 Toluene-d8
 Concen: 108.136 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
98	1205184		
98	100		
100	66.4	52.9	79.3





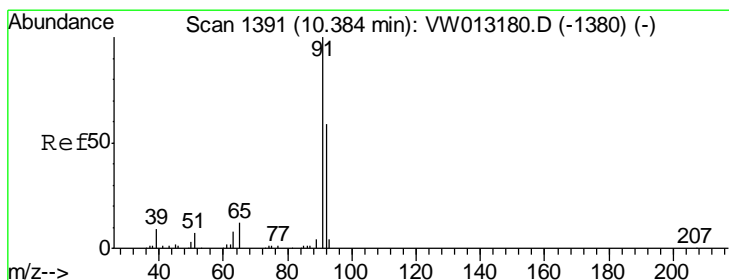
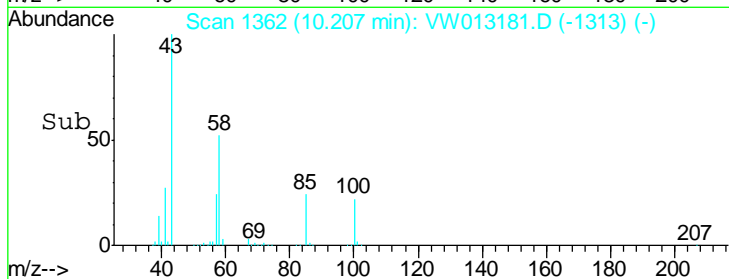
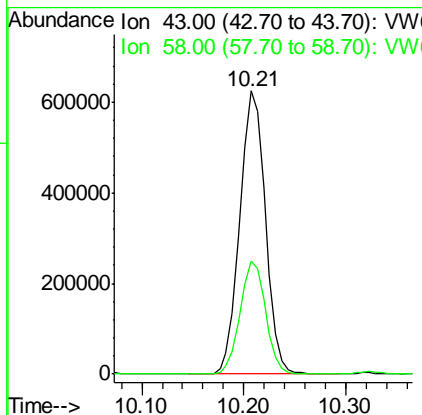
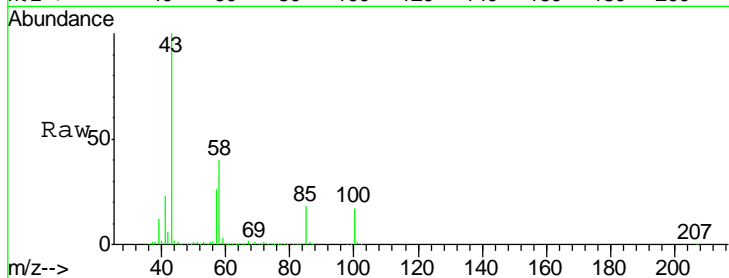
#51
 4-Methyl-2-Pentanone
 Concen: 502.276 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	1083790		
58	39.8	31.7	47.5

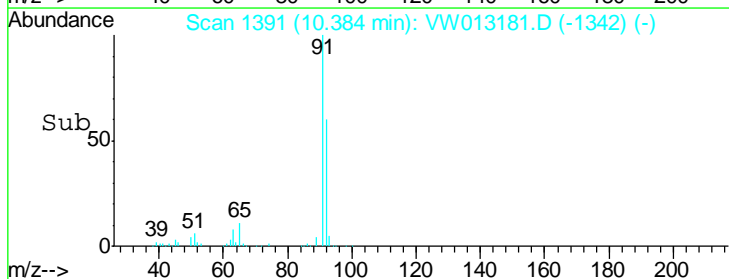
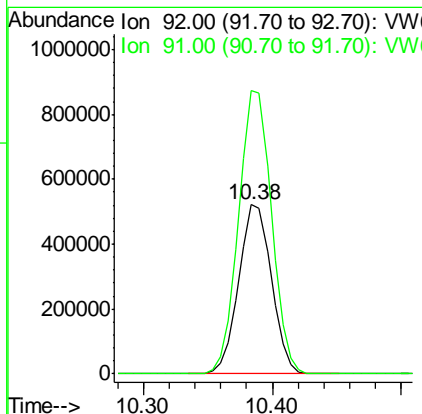
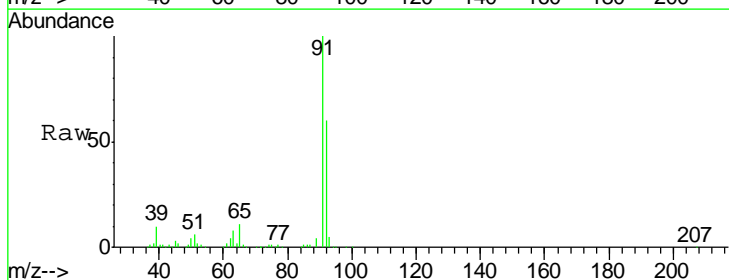
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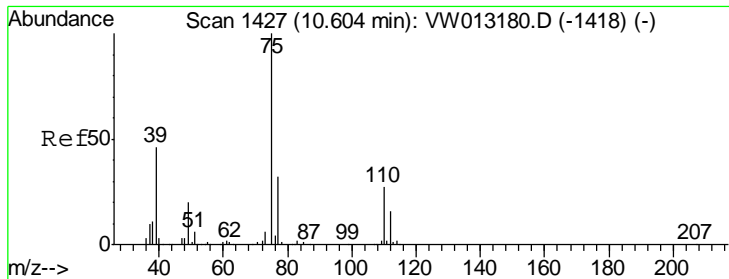
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#52
 Toluene
 Concen: 119.427 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
92	914038		
91	169.4	135.7	203.5





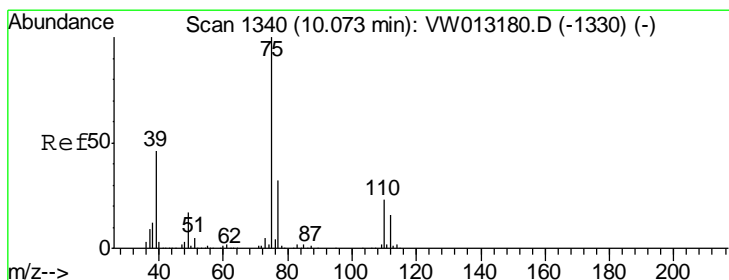
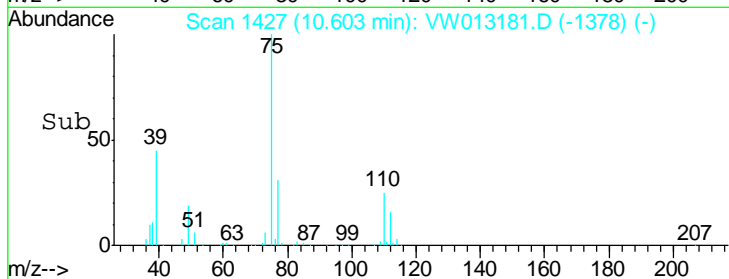
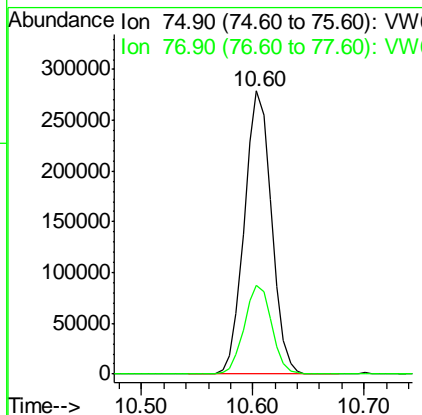
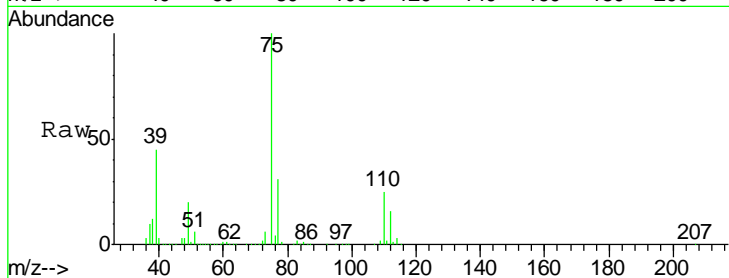
#53
 t-1,3-Dichloropropene
 Concen: 112.425 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	472467		
75	100		
77	31.5	25.5	38.3

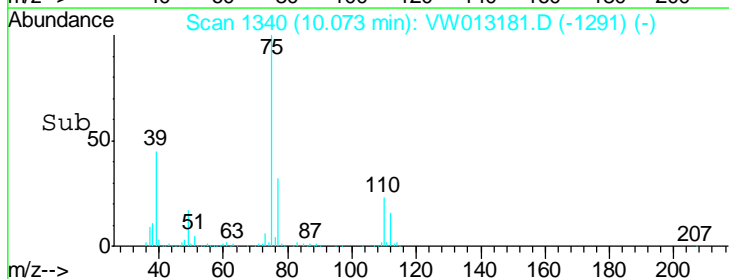
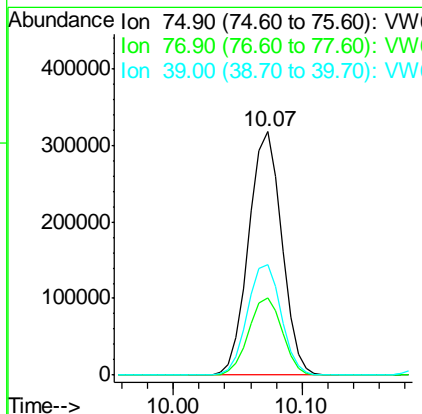
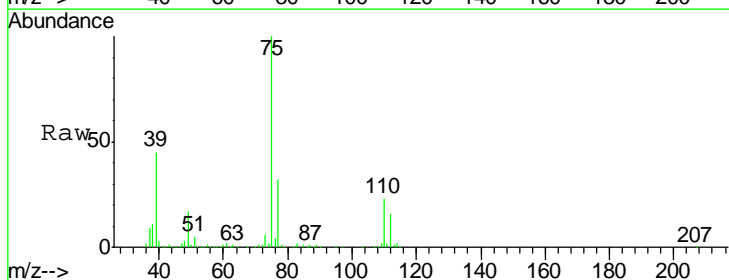
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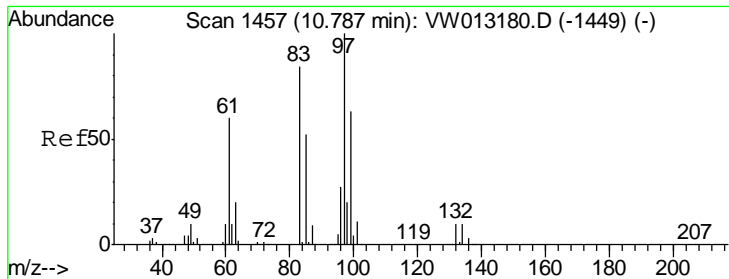
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#54
 cis-1,3-Dichloropropene
 Concen: 116.389 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
75	564732		
75	100		
77	31.9	25.2	37.8
39	45.4	36.6	55.0



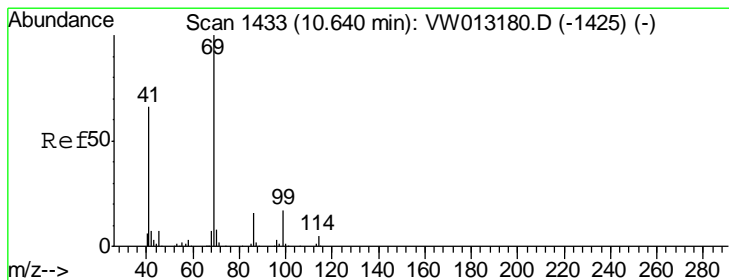
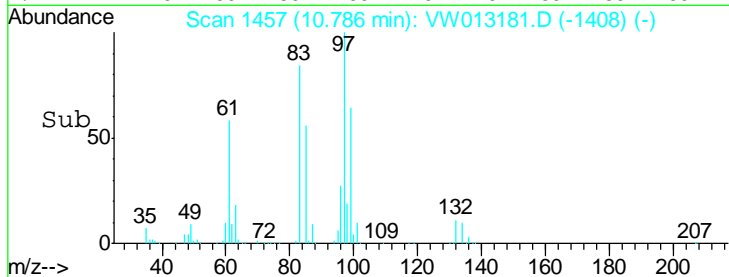
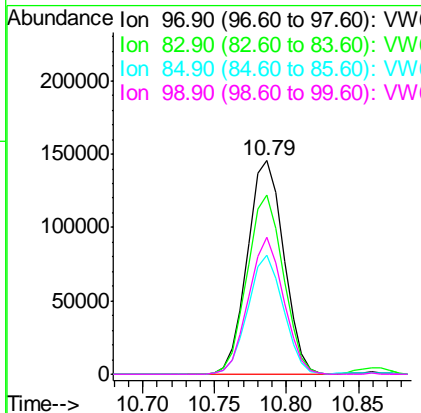
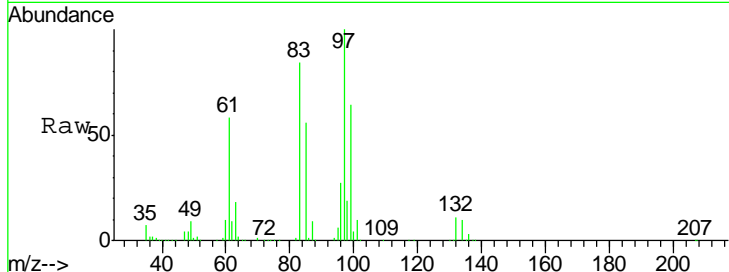


#55
 1,1,2-Trichloroethane
 Concen: 111.189 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

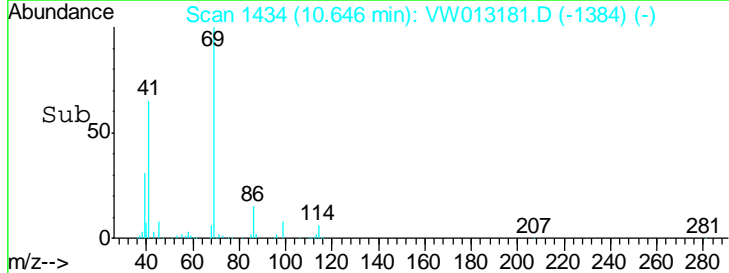
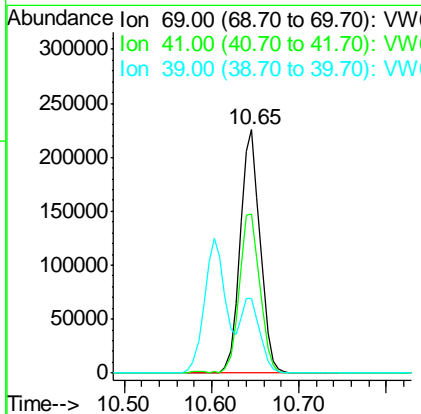
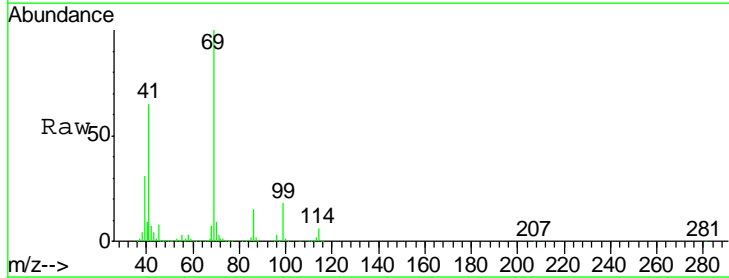
Tgt Ion	Resp	Lower	Upper
97	254463		
97	100		
83	83.7	67.6	101.4
85	55.6	41.9	62.9
99	63.9	50.1	75.1

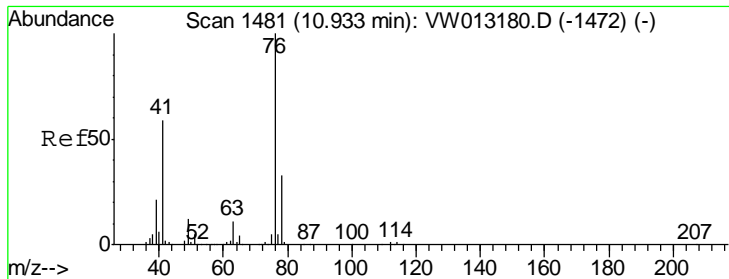
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#56
 Ethyl methacrylate
 Concen: 116.582 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
69	357002		
69	100		
41	66.8	53.9	80.9
39	29.4	23.8	35.6





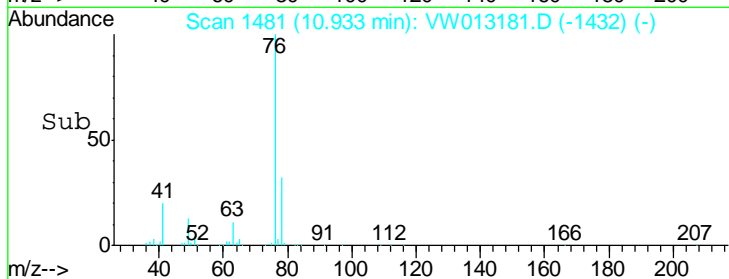
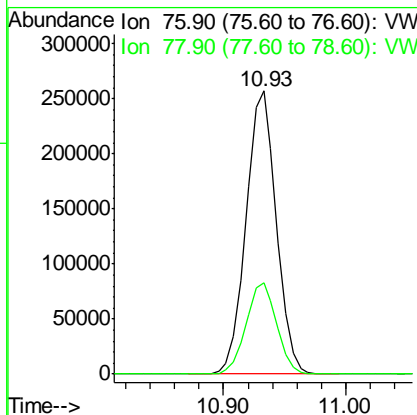
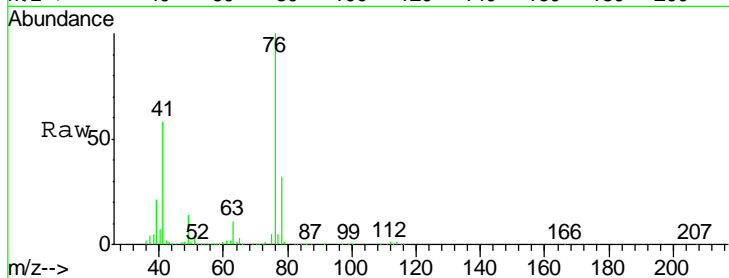
#57
 1,3-Dichloropropane
 Concen: 108.926 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	441021		
76	100		
78	32.7	25.5	38.3

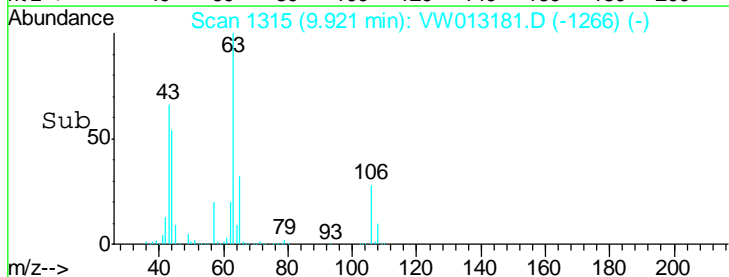
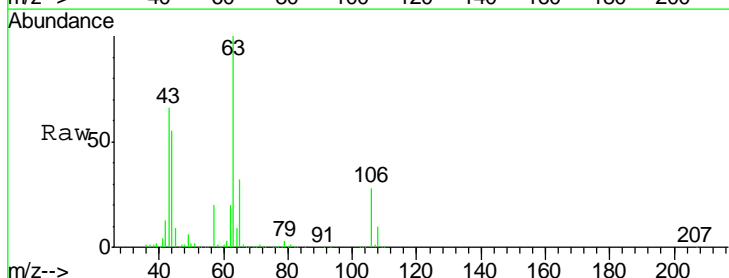
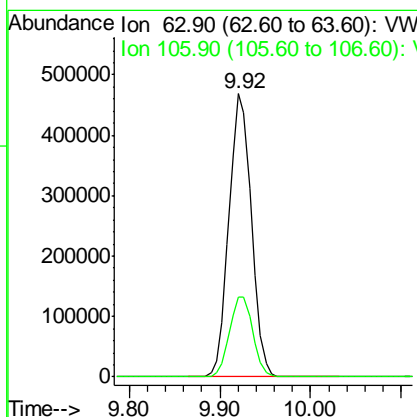
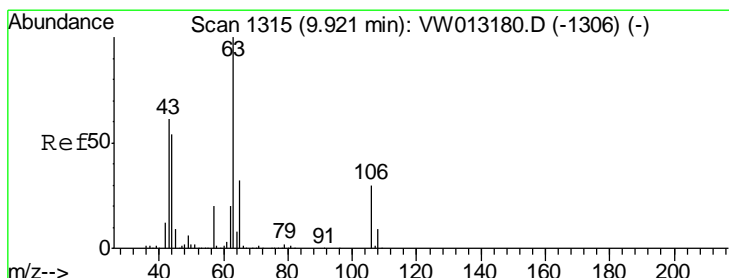
Manual Integrations
APPROVED

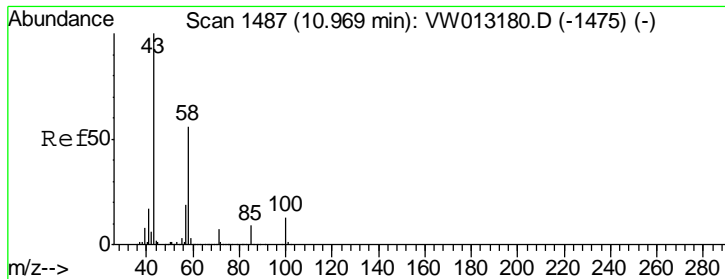
MMDadoda
 9/24/2019 5:28:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 496.115 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
63	803707		
63	100		
106	29.3	23.4	35.0





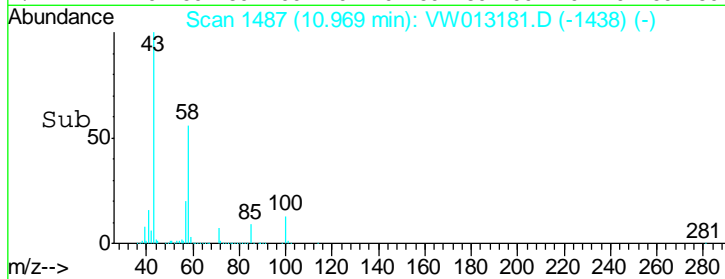
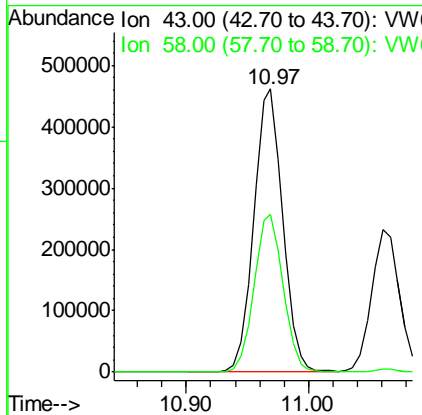
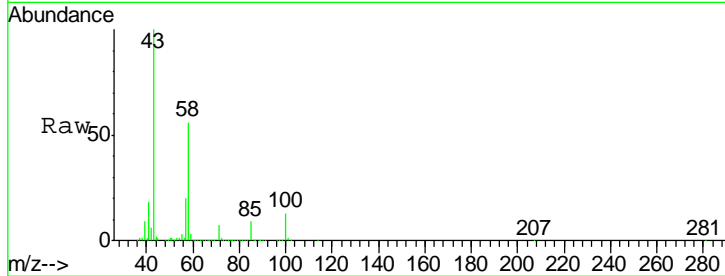
#59
 2-Hexanone
 Concen: 508.676 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.9	28.1	84.2

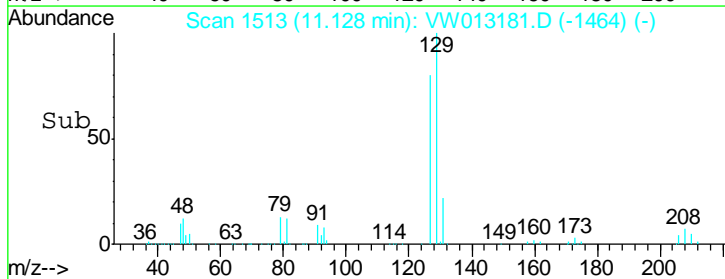
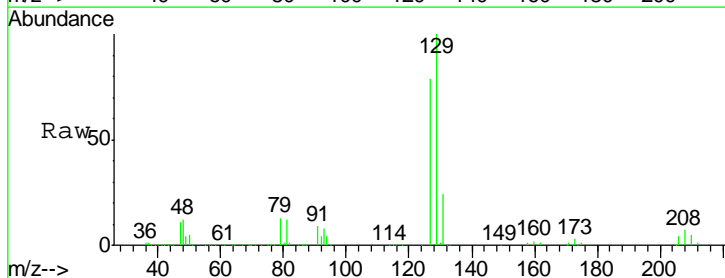
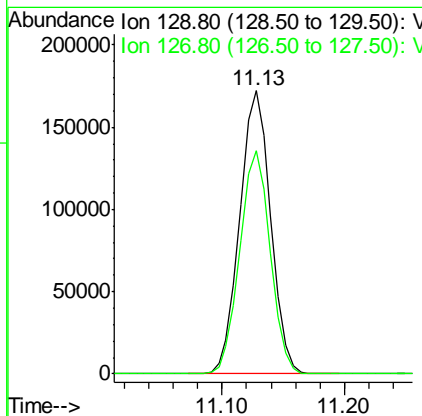
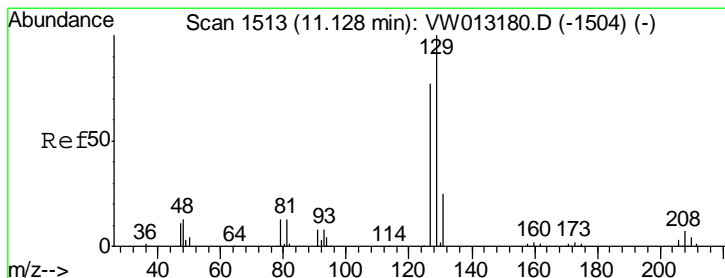
Manual Integrations
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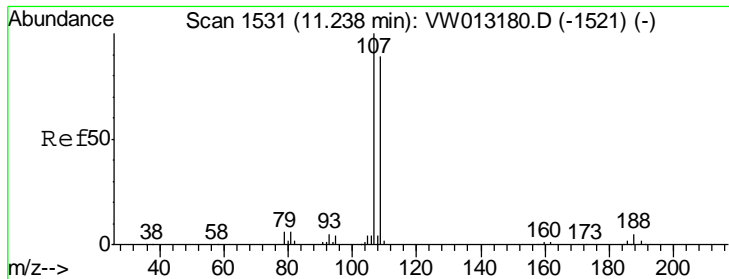
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#60
 Dibromochloromethane
 Concen: 110.407 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.6	38.8	116.4





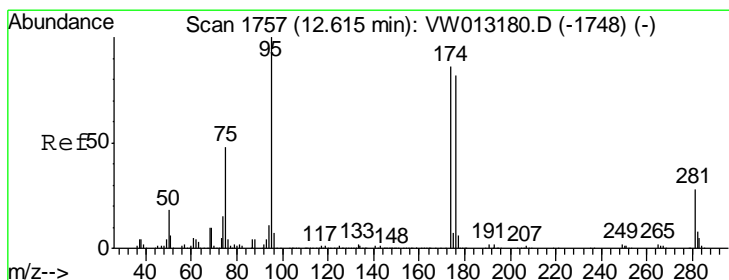
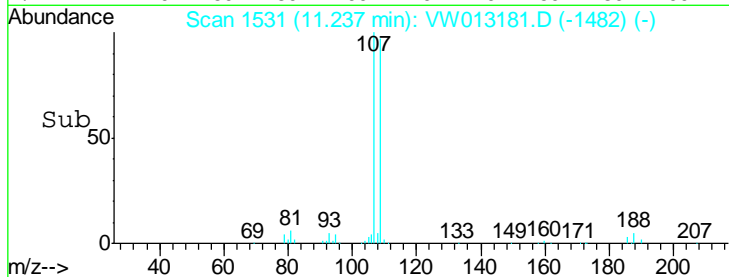
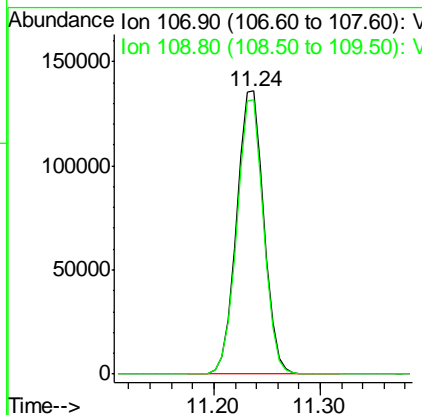
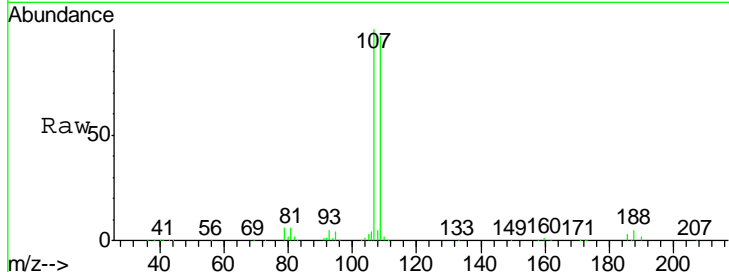
#61
 1,2-Dibromoethane
 Concen: 116.245 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.3	75.2	112.8

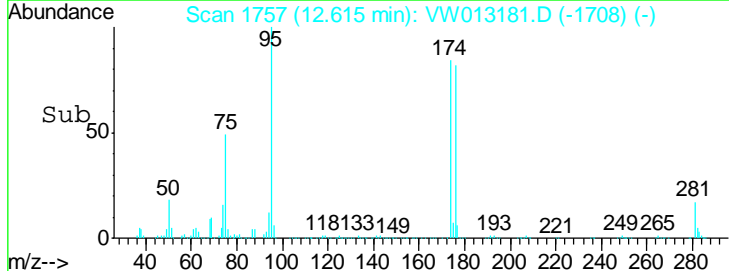
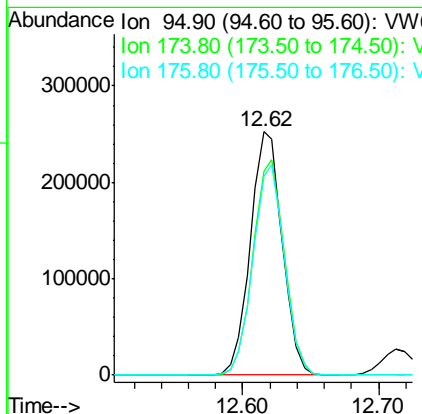
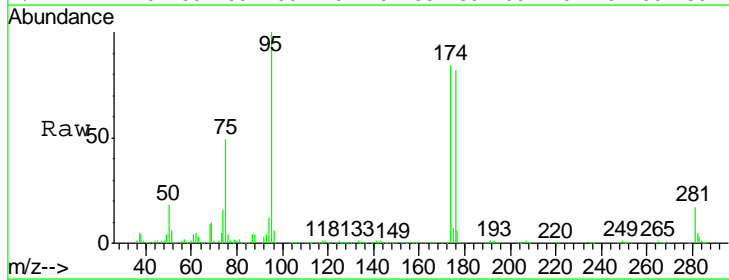
Manual Integrations
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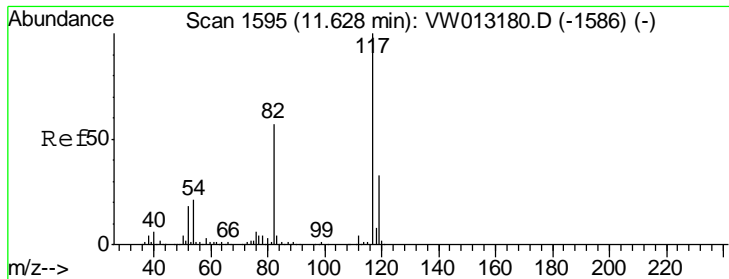
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 9/24/2019 5:28:48 AM



#62
 4-Bromofluorobenzene
 Concen: 103.711 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
95	100		
174	87.9	0.0	178.4
176	85.5	0.0	172.2





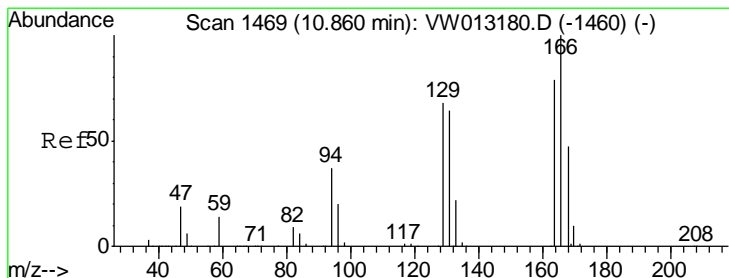
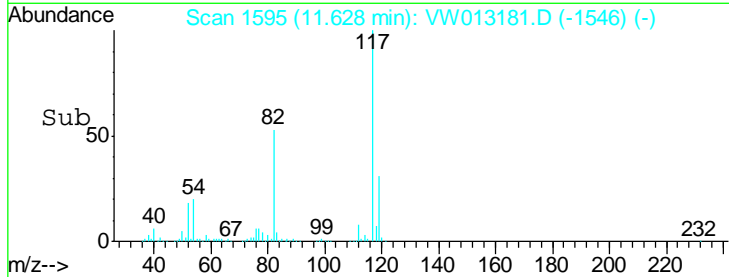
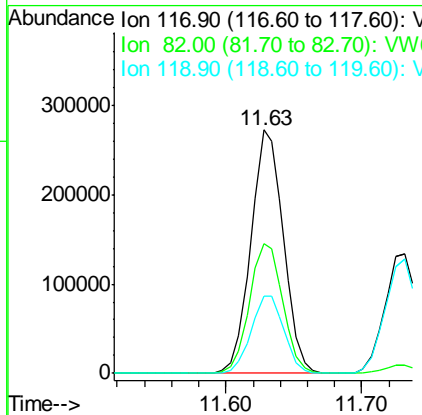
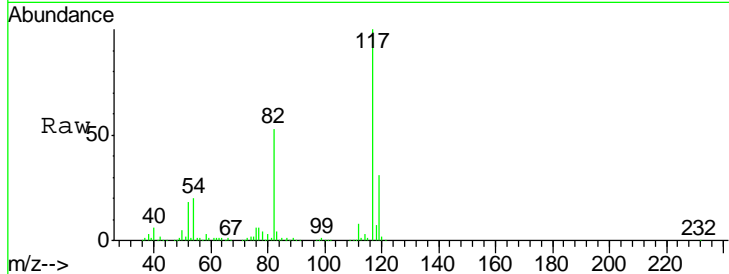
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
117	457092		
82	53.4	45.9	68.9
119	31.5	26.2	39.2

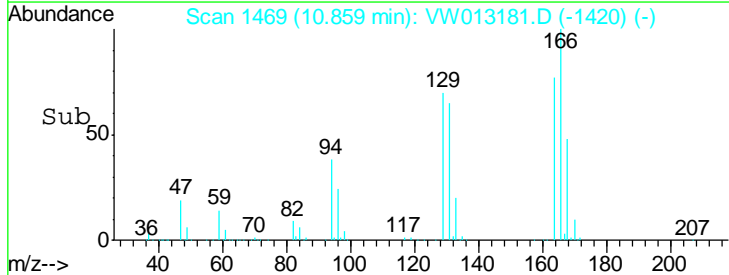
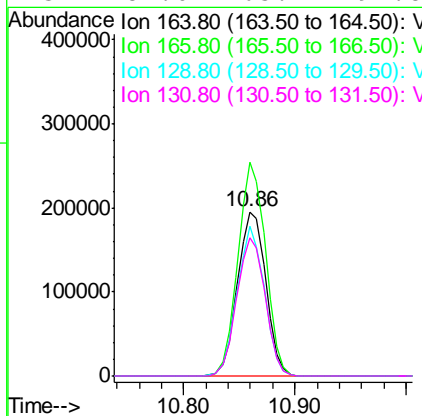
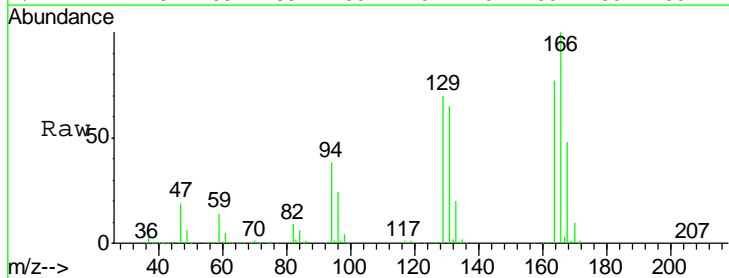
Manual Integrations
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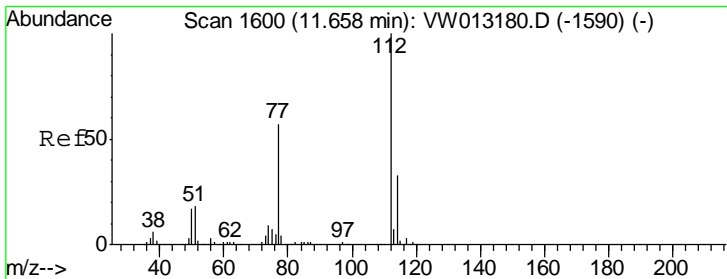
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#64
 Tetrachloroethene
 Concen: 121.052 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
164	343861		
166	130.1	101.2	151.8
129	91.1	68.8	103.2
131	84.0	65.2	97.8





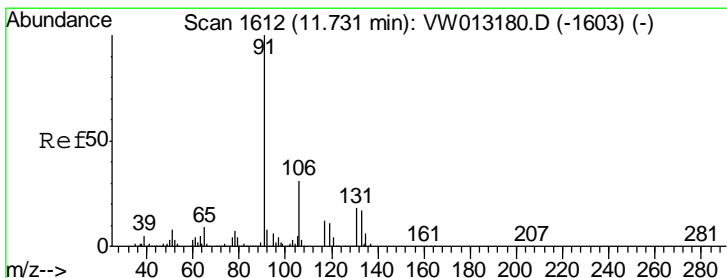
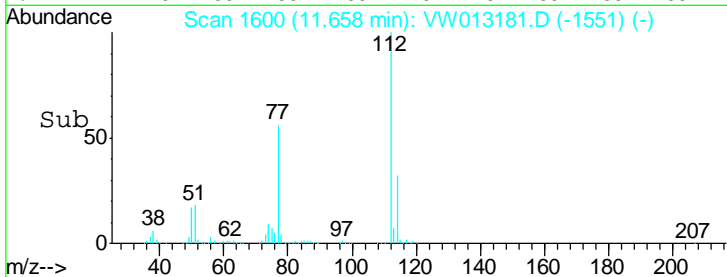
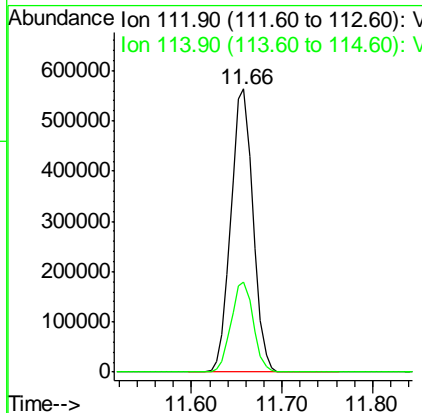
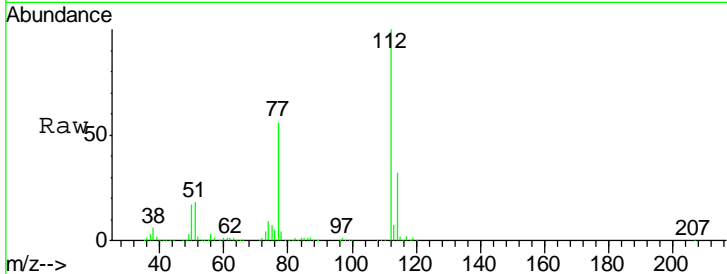
#65
 Chlorobenzene
 Concen: 114.089 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.7	26.5	39.7

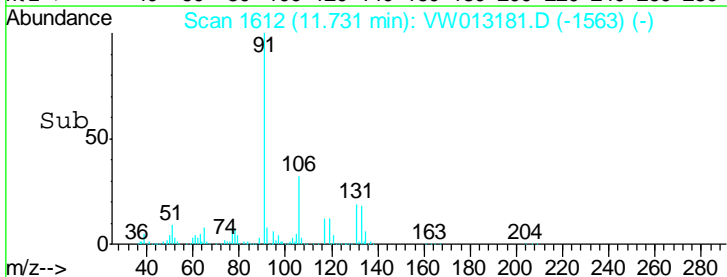
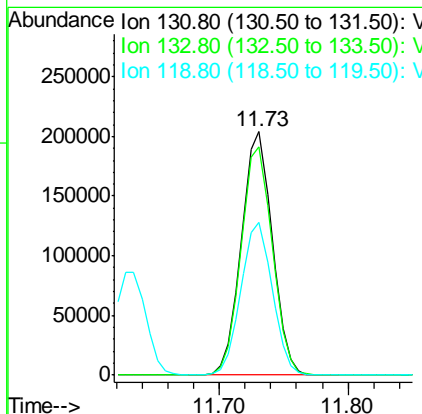
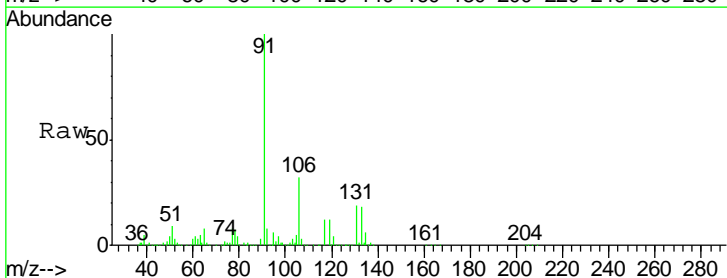
Manual Integrations
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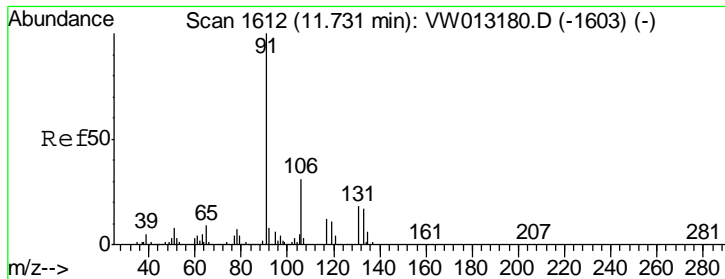
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 107.917 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.8	47.5	142.6
119	64.0	32.5	97.5





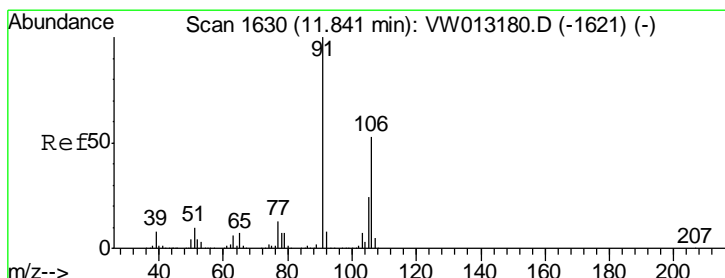
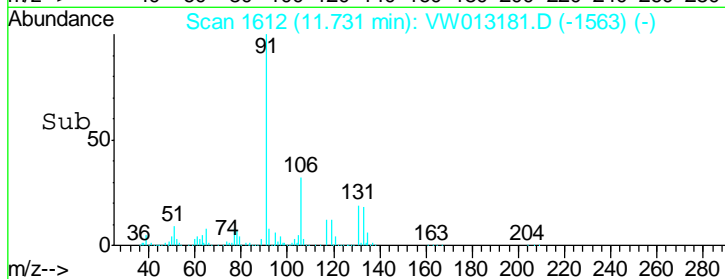
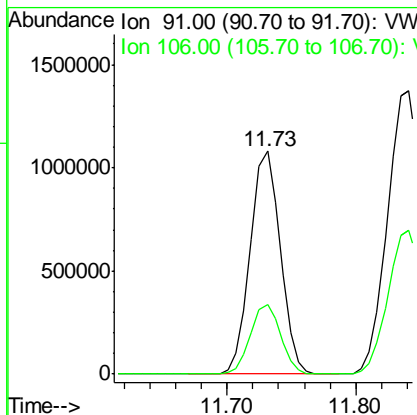
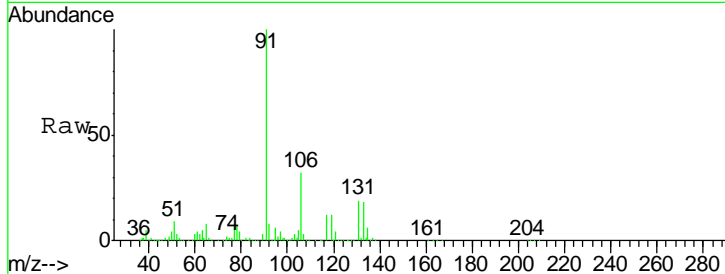
#67
Ethyl Benzene
Concen: 113.632 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.5	24.9	37.3

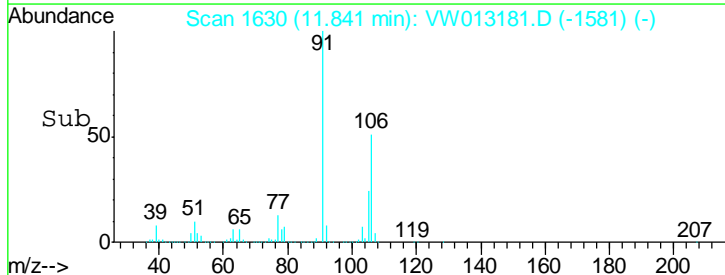
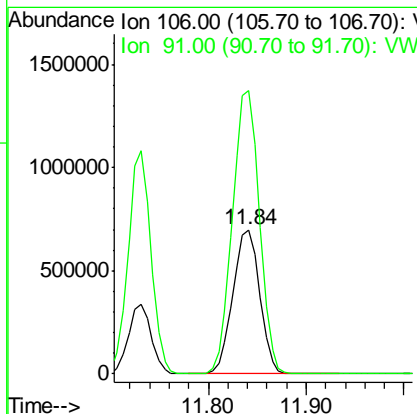
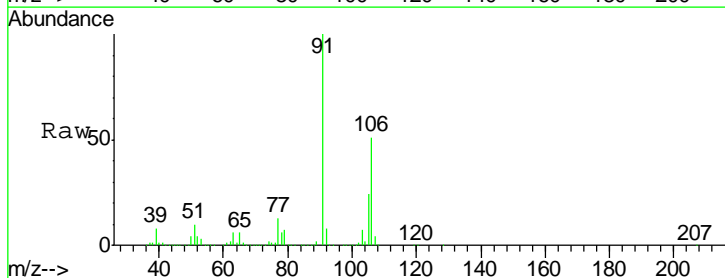
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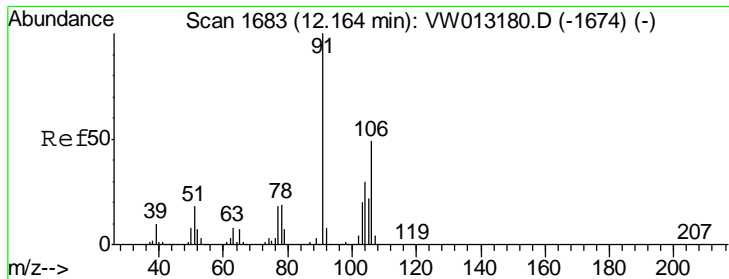
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#68
m/p-Xylenes
Concen: 234.773 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
106	100		
91	197.3	157.9	236.9





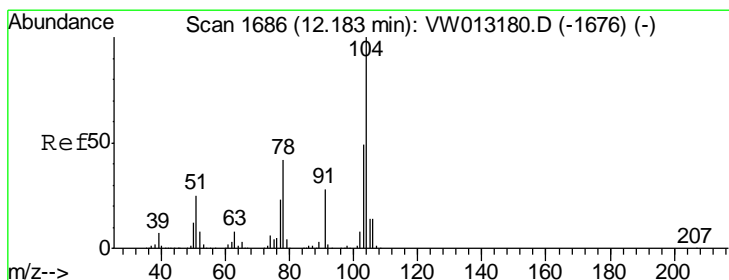
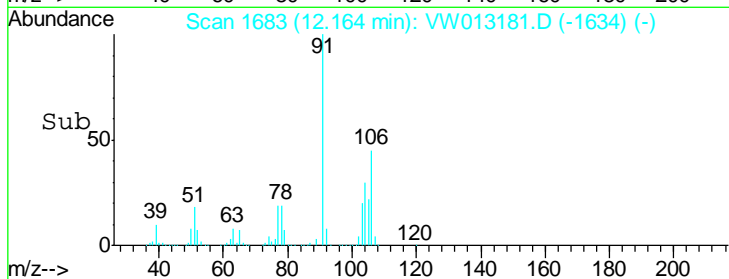
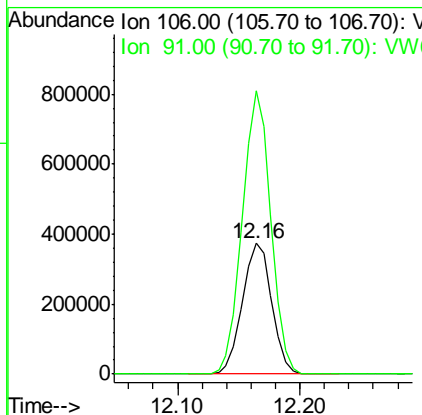
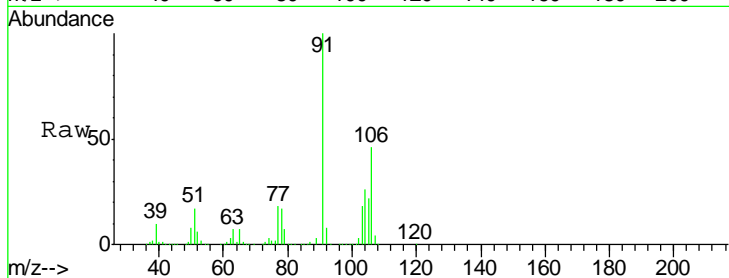
#69
 o-Xylene
 Concen: 117.192 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
106	620290		
106	100		
91	210.3	106.5	319.5

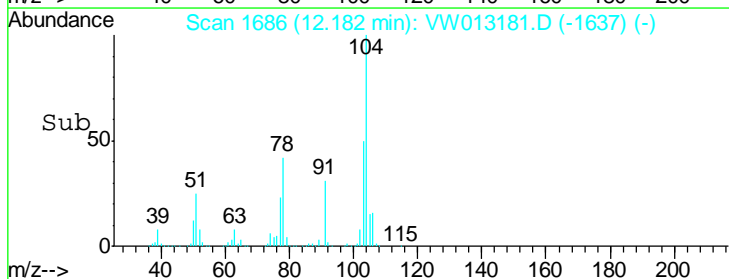
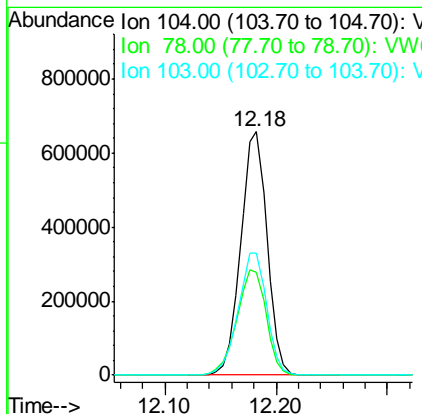
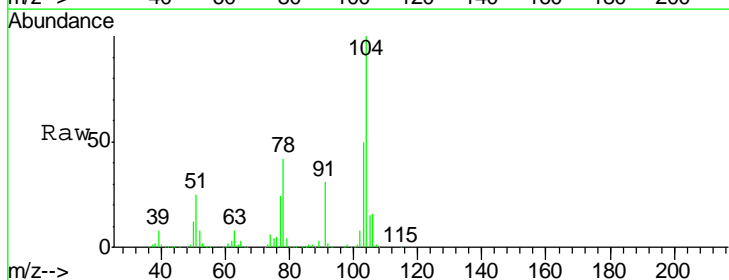
Manual Integrations
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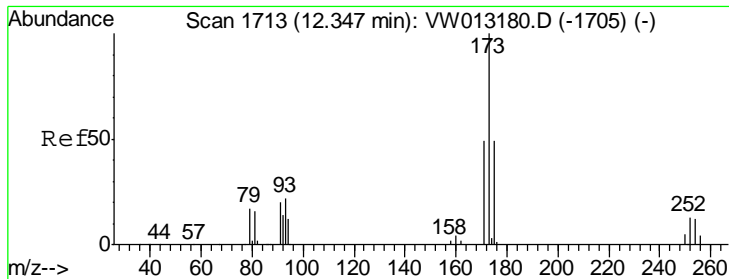
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#70
 Styrene
 Concen: 114.400 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

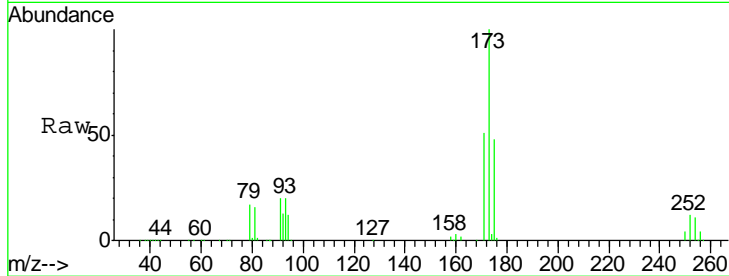
Tgt Ion	Resp	Lower	Upper
104	1073044		
104	100		
78	48.4	38.4	57.6
103	54.6	43.3	64.9





#71
 Bromoform
 Concen: 111.009 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

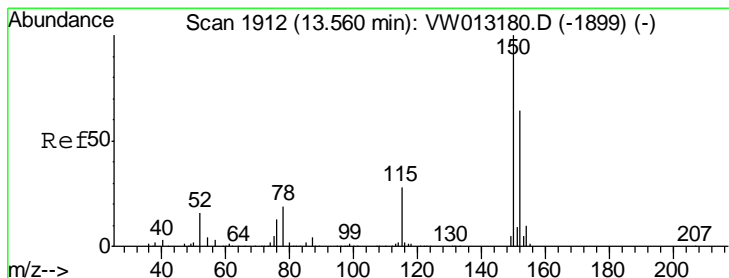
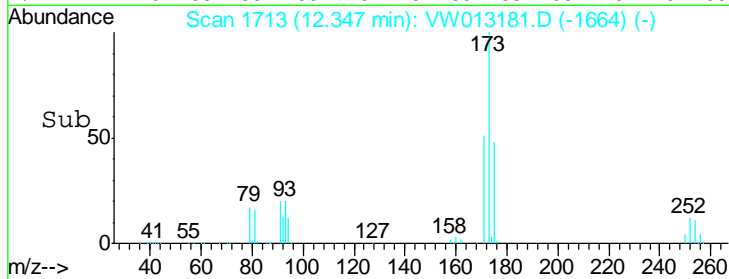
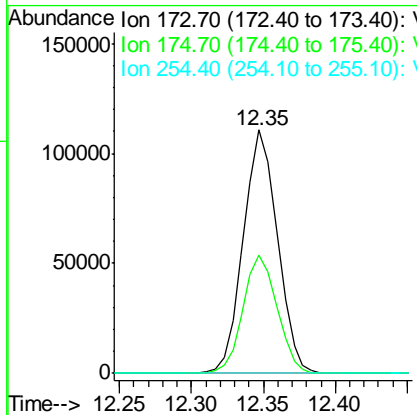
Instrument : MSVOA_W
 Client Sampled : VSTDIC100



Tgt Ion	Resp	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.2	0.1	0.1#

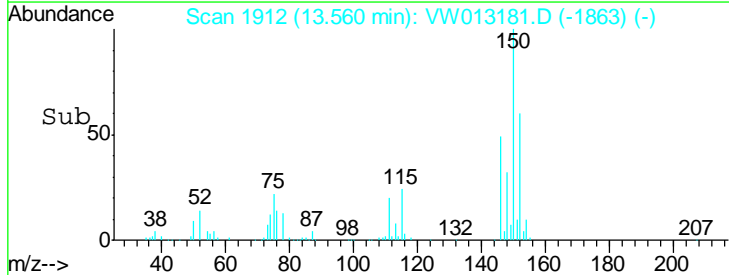
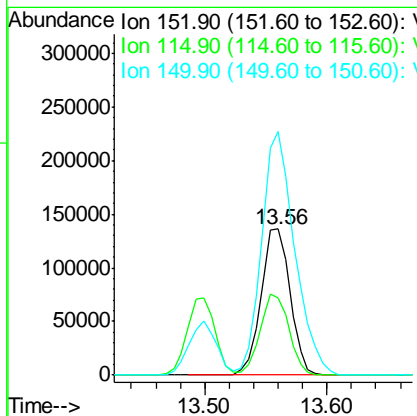
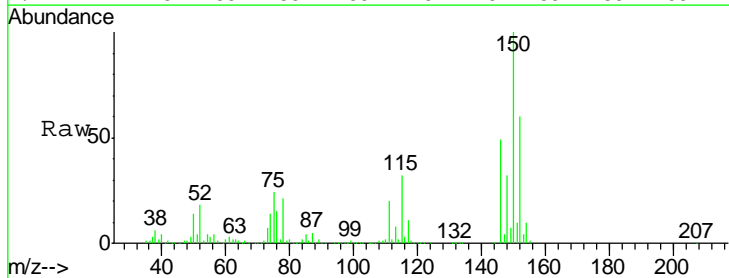
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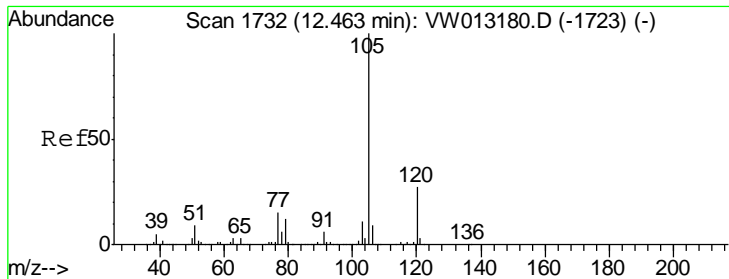
MMDadoda
 9/24/2019 5:28:48 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.8	27.3	81.9
150	188.9	0.0	349.0





#73
 Isopropylbenzene
 Concen: 112.131 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

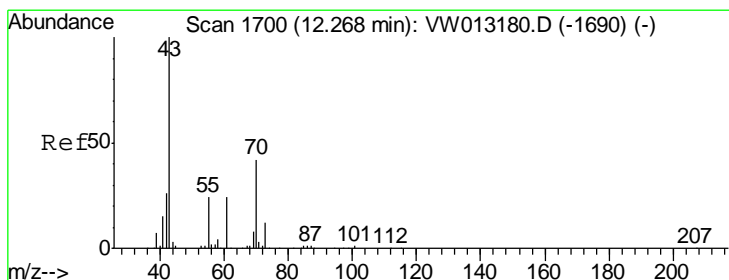
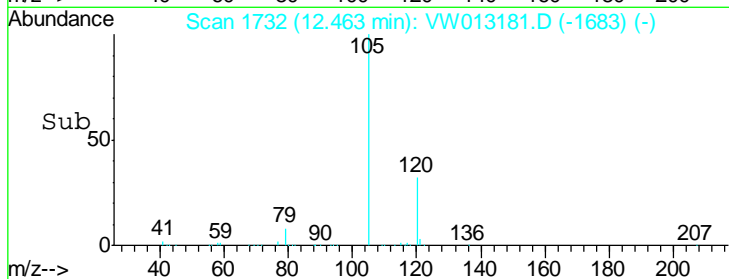
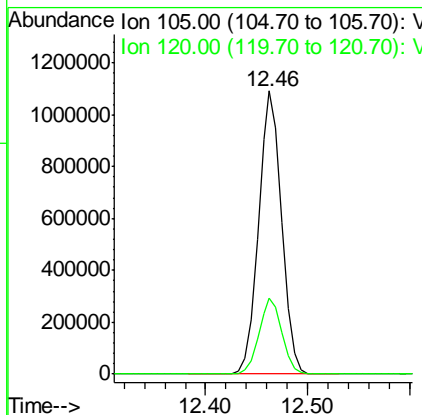
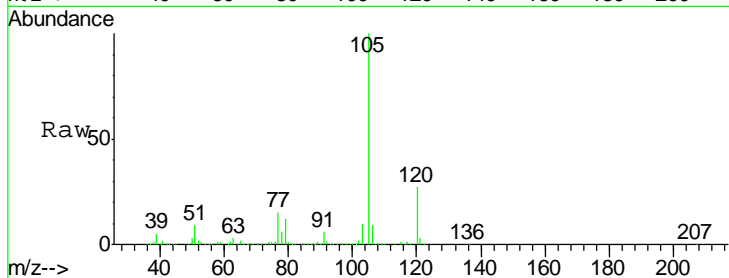
Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion: 105 Resp: 1713236

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.1

Manual Integrations
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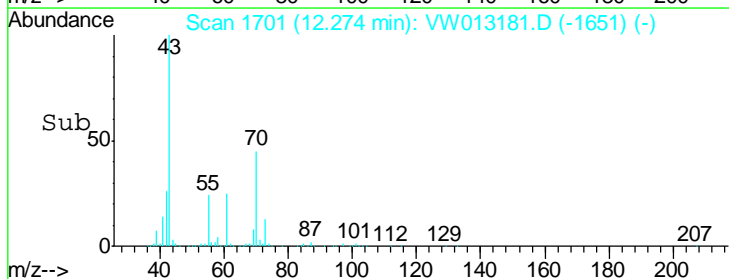
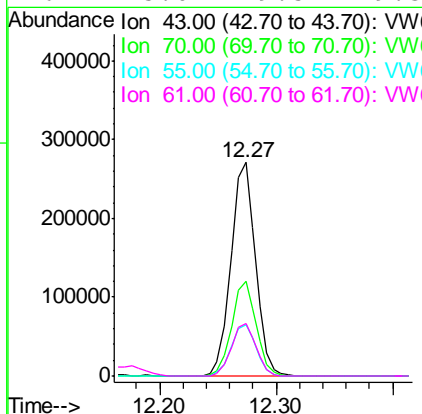
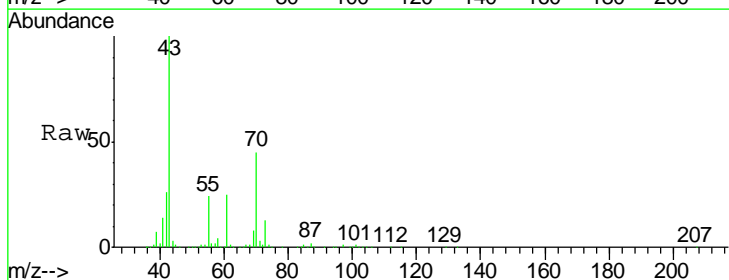
MMDadoda
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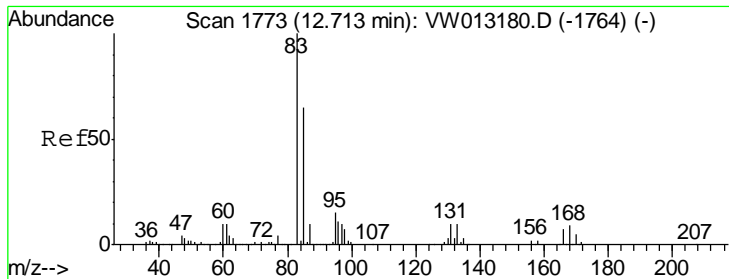


#74
 N-ethyl acetate
 Concen: 104.020 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion: 43 Resp: 398444

Ion	Ratio	Lower	Upper
43	100		
70	44.1	35.1	52.7
55	24.6	19.9	29.9
61	25.0	19.5	29.3





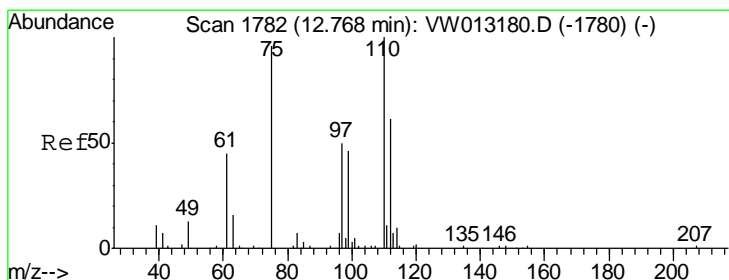
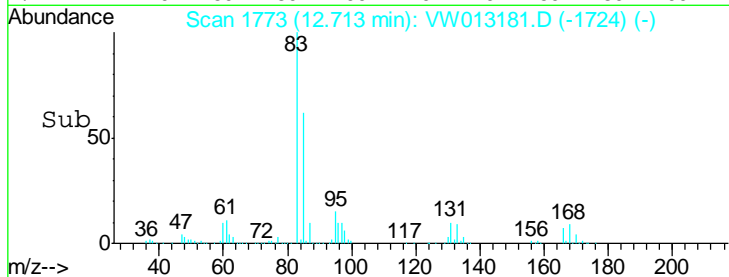
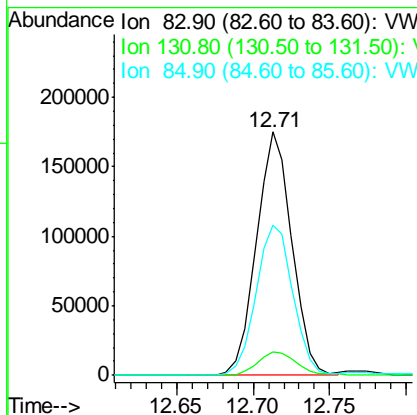
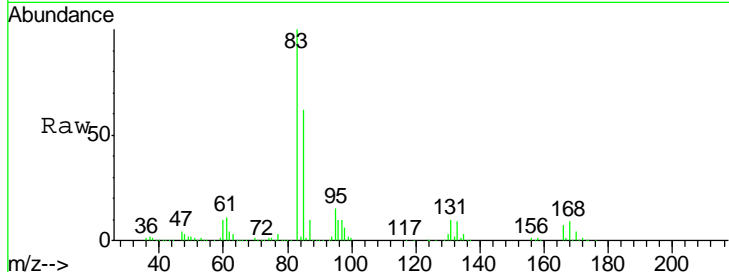
#75
 1,1,2,2-Tetrachloroethane
 Concen: 107.086 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	63.8	31.9	95.9

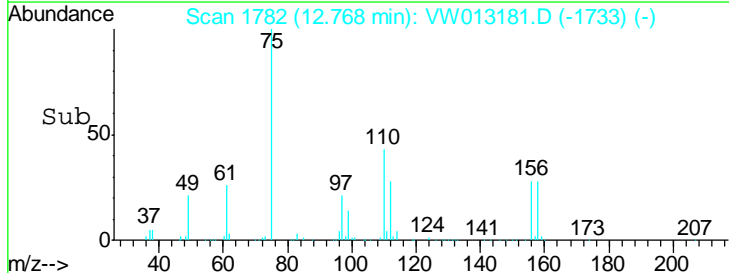
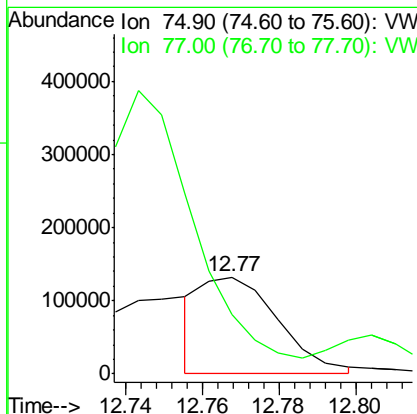
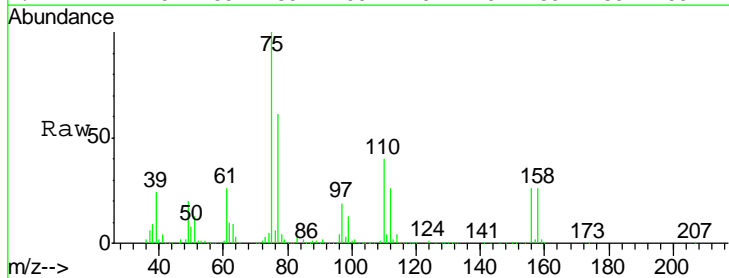
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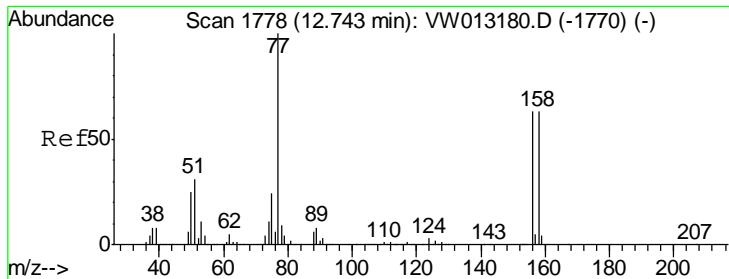
MMDadoda
 9/24/2019 5:28:48 AM



#76
 1,2,3-Trichloropropane
 Concen: 93.291 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





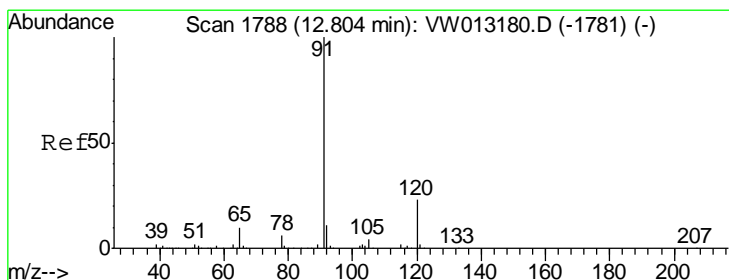
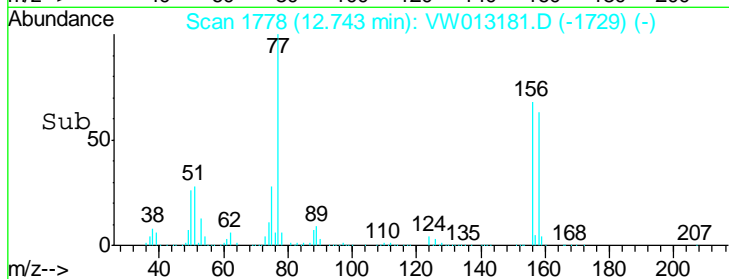
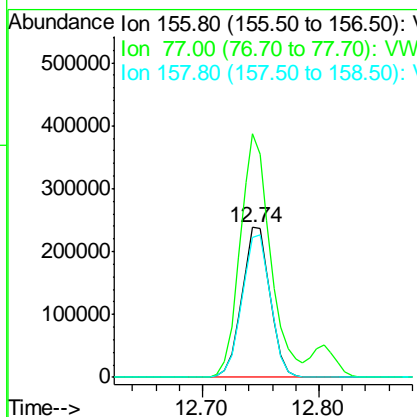
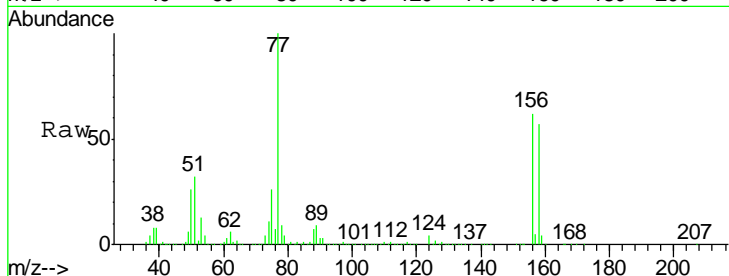
#77
 Bromobenzene
 Concen: 112.784 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
156	100		
77	174.8	85.7	257.1
158	96.2	48.1	144.4

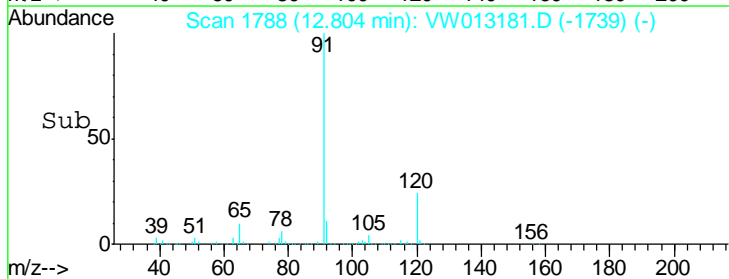
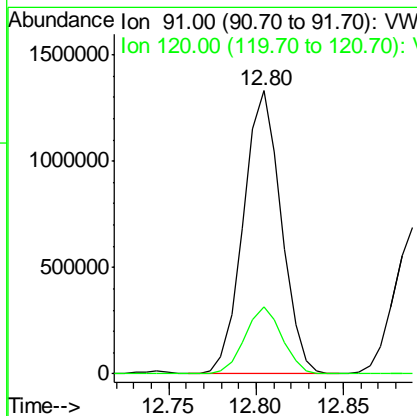
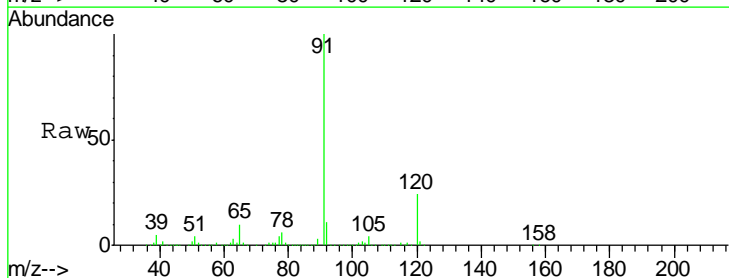
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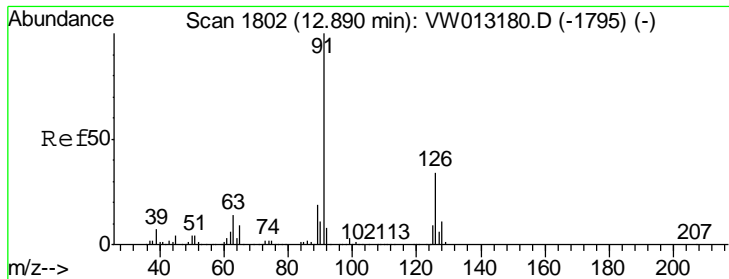
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#78
 n-propylbenzene
 Concen: 111.510 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.4	11.7	35.1





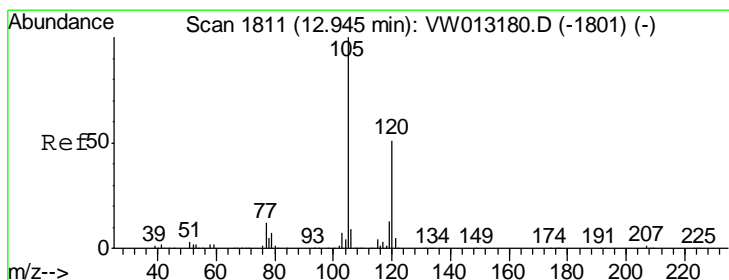
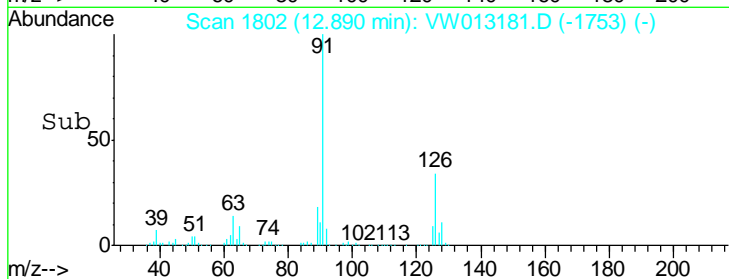
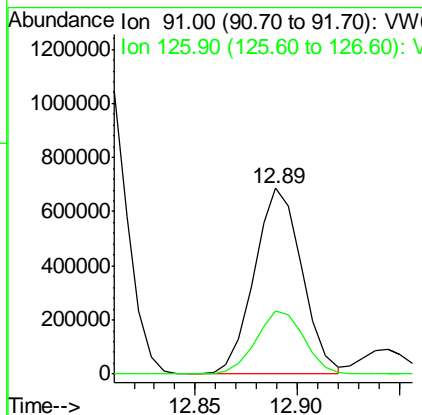
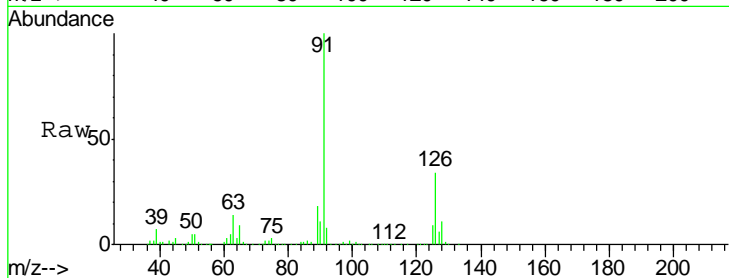
#79
 2-Chlorotoluene
 Concen: 108.108 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	1112397		
126	34.3	17.2	51.5

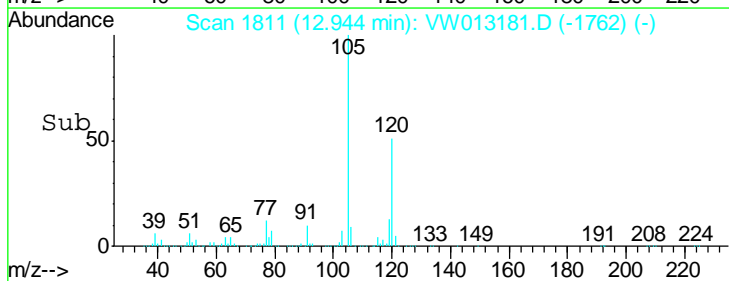
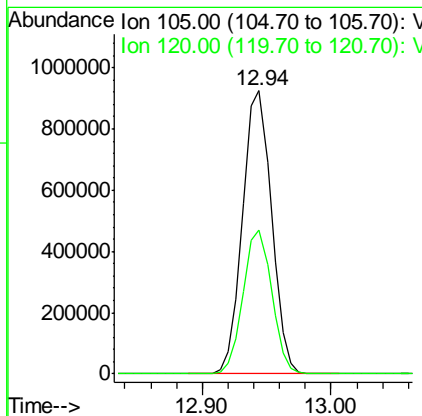
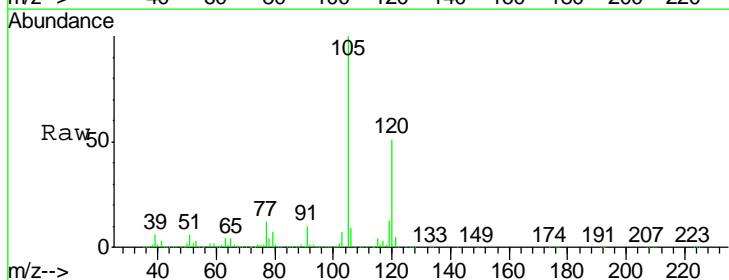
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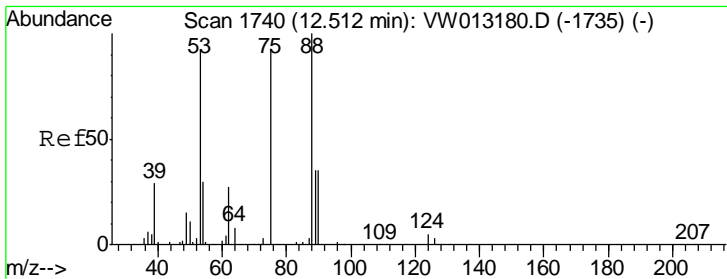
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#80
 1,3,5-Trimethylbenzene
 Concen: 110.917 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
105	1435571		
120	50.4	24.9	74.8





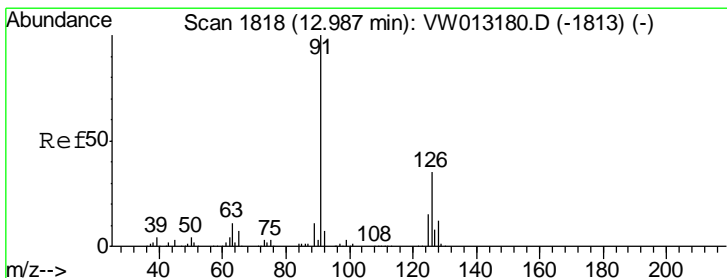
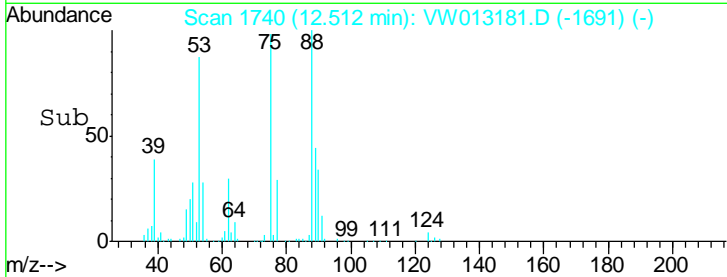
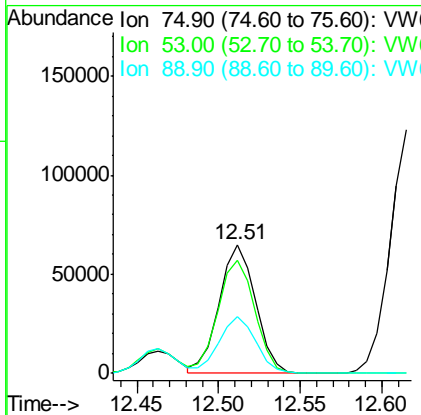
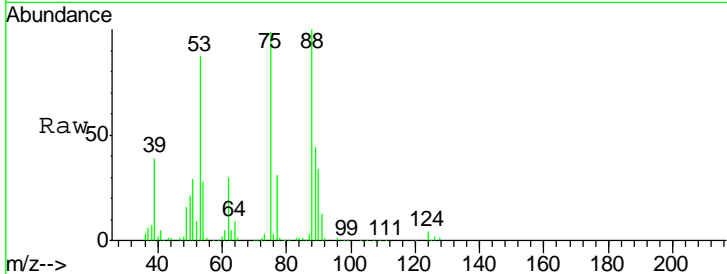
#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.127 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	100		
53	89.8	76.6	114.8
89	44.5	33.5	50.3

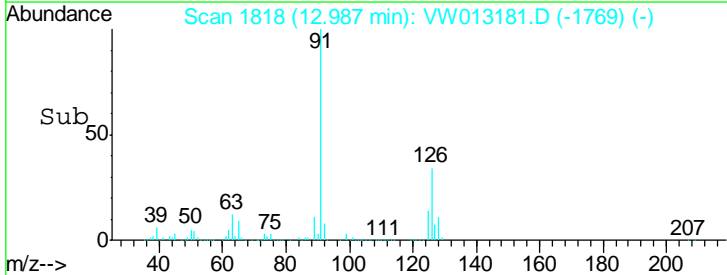
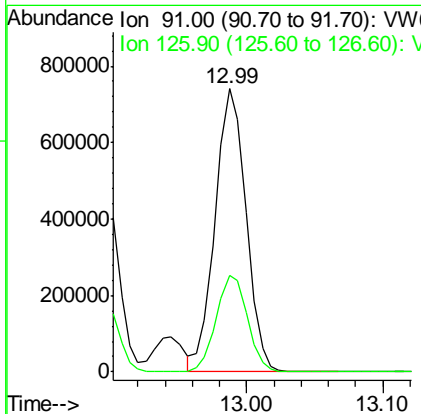
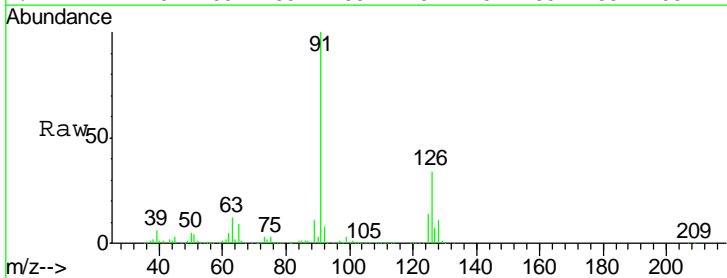
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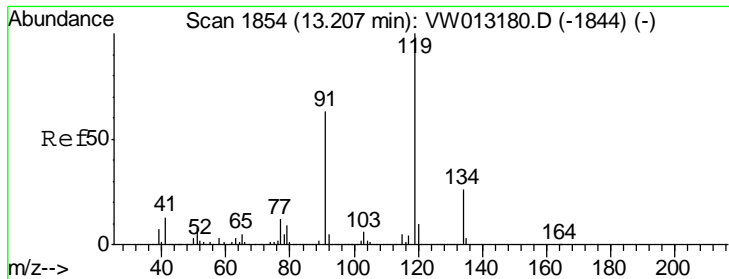
MMDadoda
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#82
 4-Chlorotoluene
 Concen: 108.017 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.5	17.3	51.7





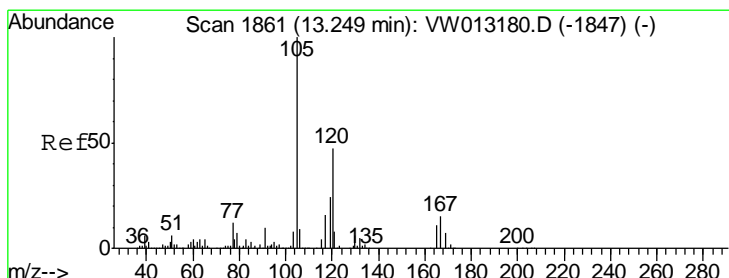
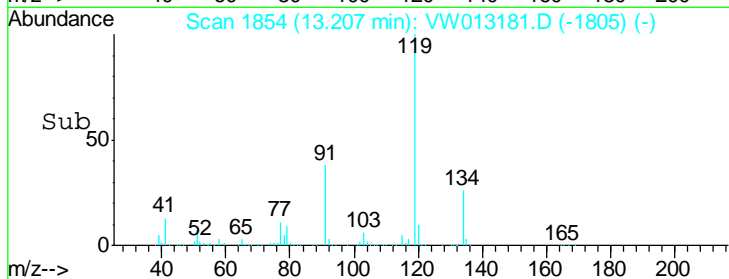
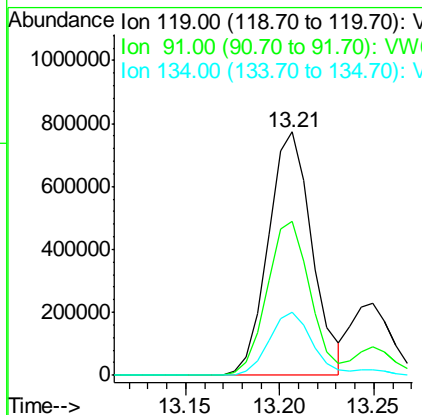
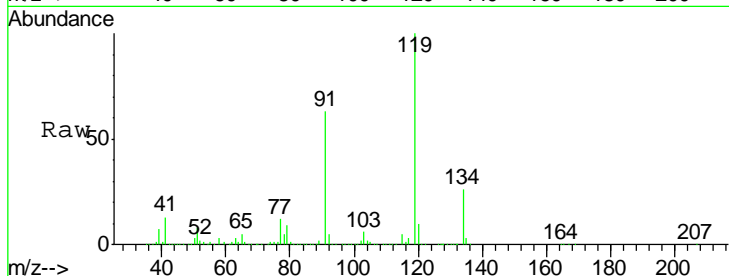
#83
 tert-Butylbenzene
 Concen: 108.512 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
119	1250377		
91	62.1	30.7	92.1
134	27.1	12.6	37.6

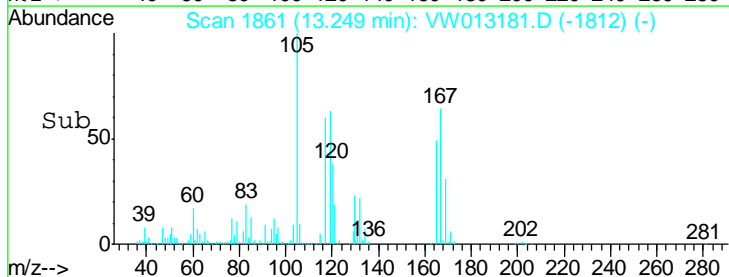
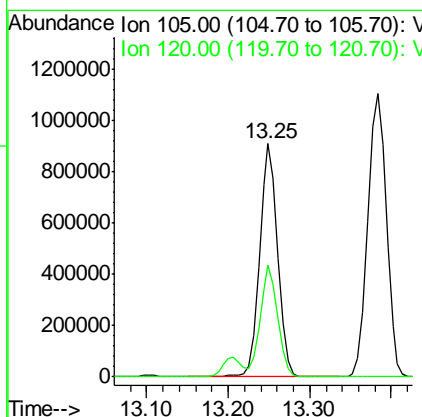
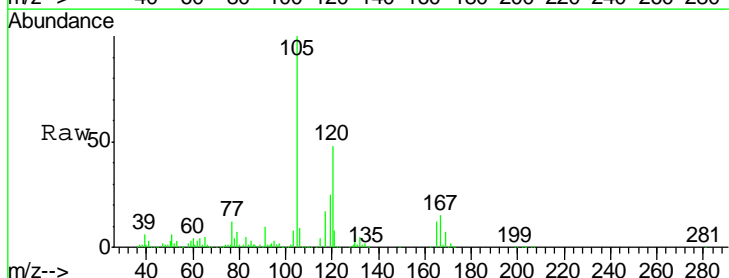
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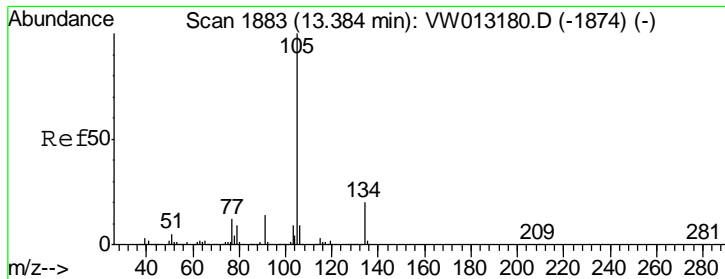
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#84
 1,2,4-Trimethylbenzene
 Concen: 110.346 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
105	1410432		
120	46.0	23.4	70.3





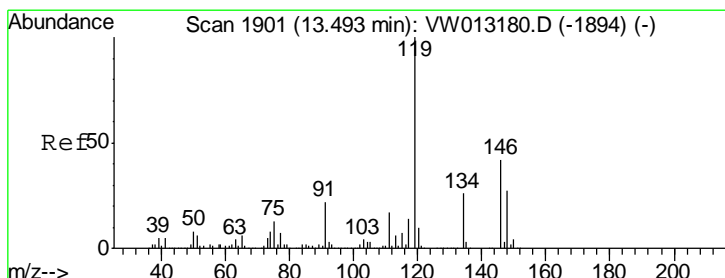
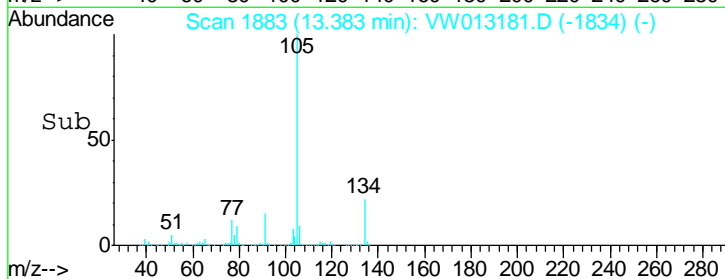
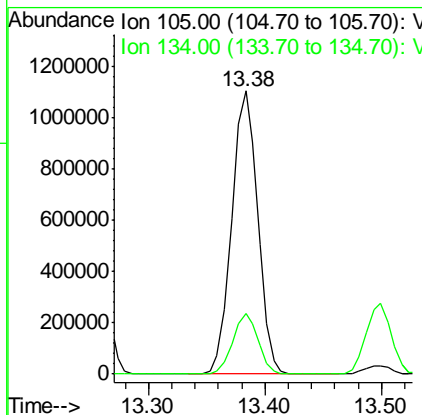
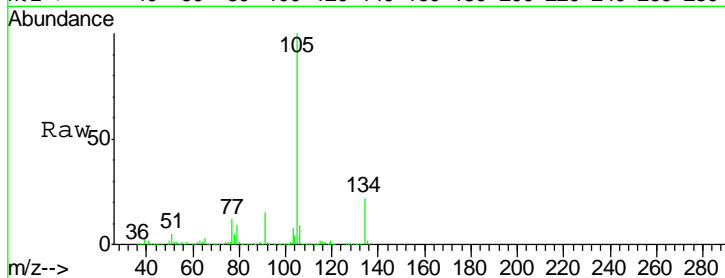
#85
 sec-Butylbenzene
 Concen: 109.222 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	1720034		
134	20.9	10.3	30.8

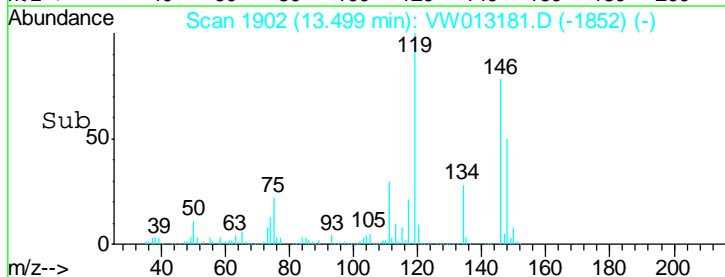
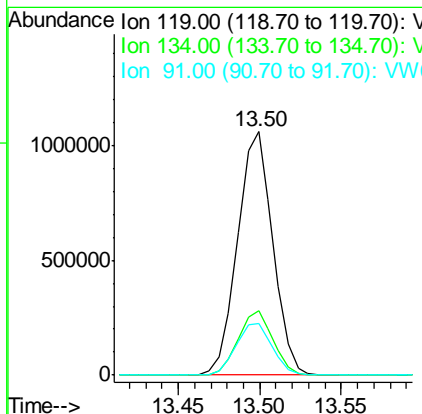
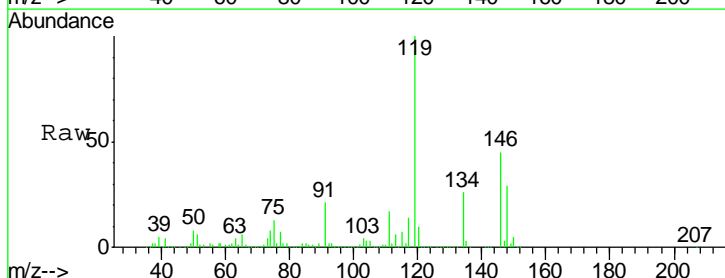
Manual Integrations
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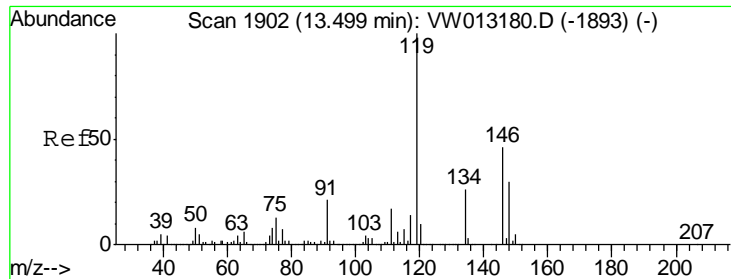
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#86
 p-Isopropyltoluene
 Concen: 109.870 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
119	1590959		
134	26.2	13.3	39.8
91	21.9	10.8	32.4





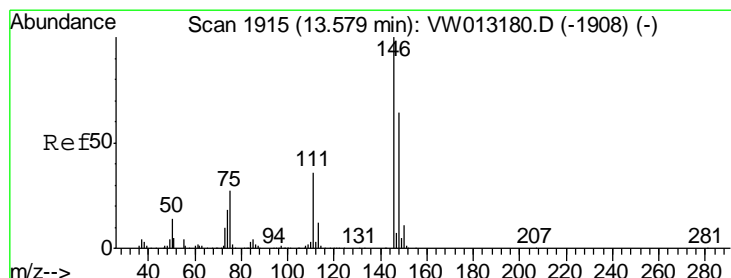
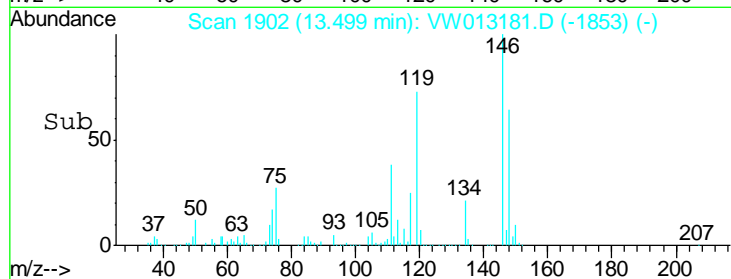
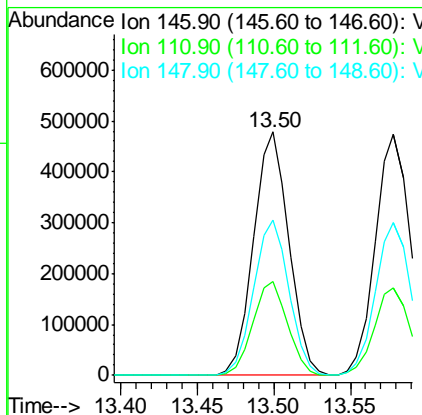
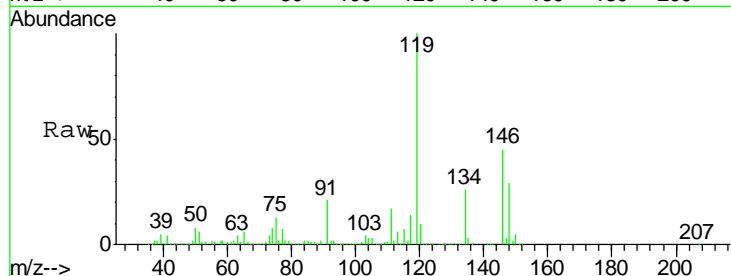
#87
 1,3-Dichlorobenzene
 Concen: 109.954 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	768489		
146	100		
111	37.9	18.9	56.9
148	63.7	31.9	95.5

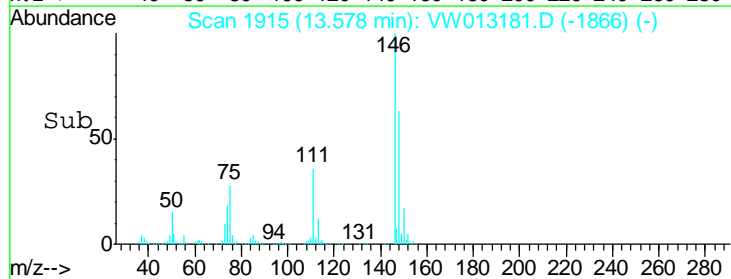
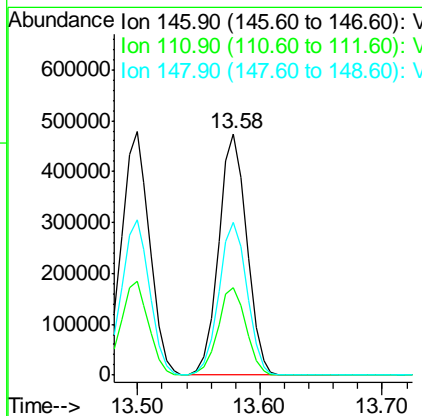
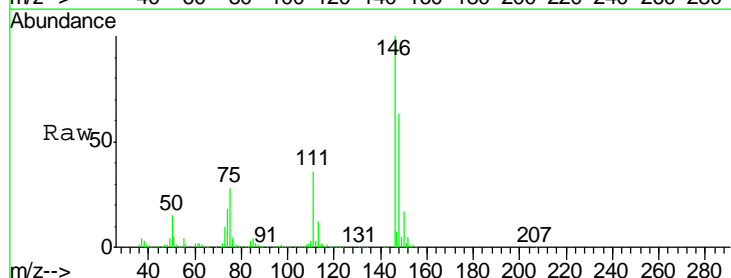
Manual Integrations
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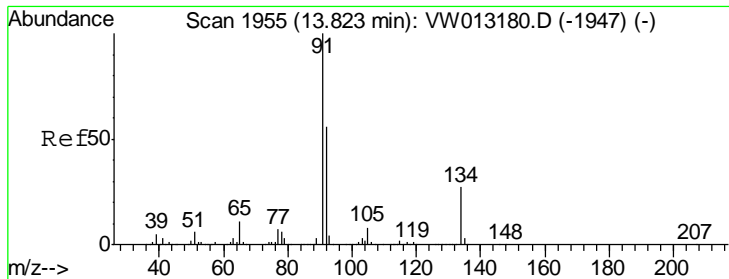
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 110.204 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
146	755101		
146	100		
111	36.3	18.4	55.0
148	63.6	32.1	96.3





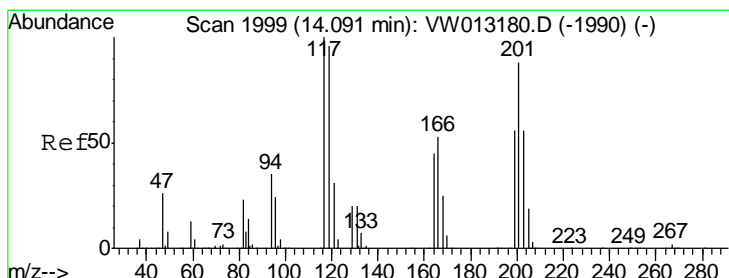
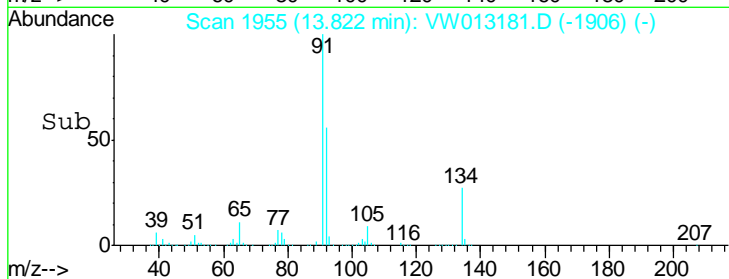
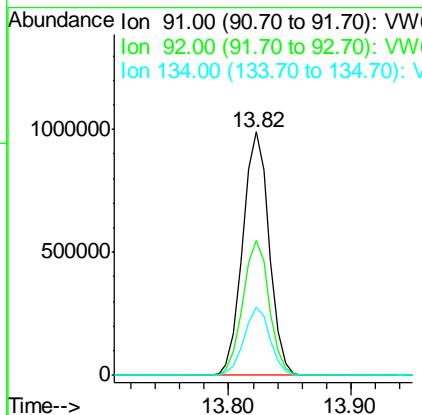
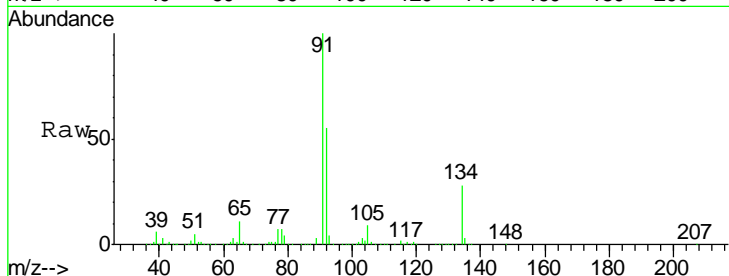
#89
 n-Butylbenzene
 Concen: 108.928 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.2	27.6	82.8
134	27.5	13.7	41.1

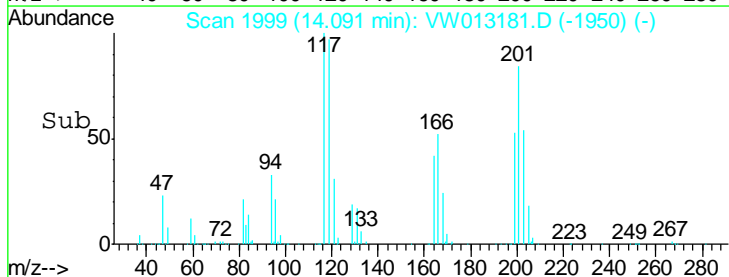
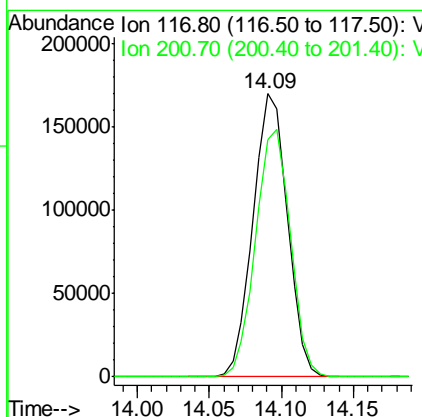
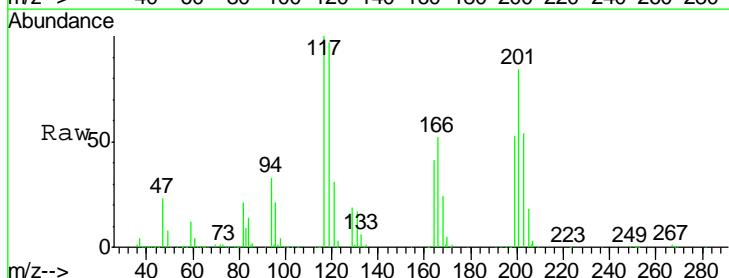
Manual Integrations
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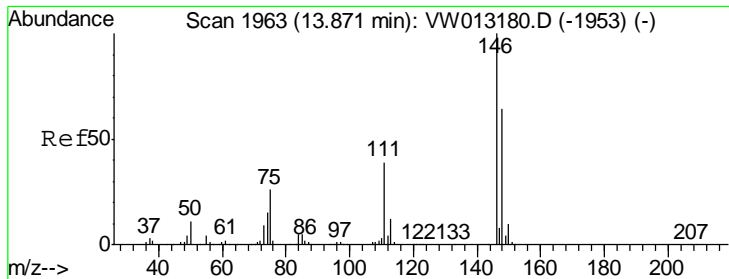
MMDadoda
 9/24/2019 5:28:48 AM



#90
 Hexachloroethane
 Concen: 109.143 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
117	100		
201	88.3	44.5	133.5





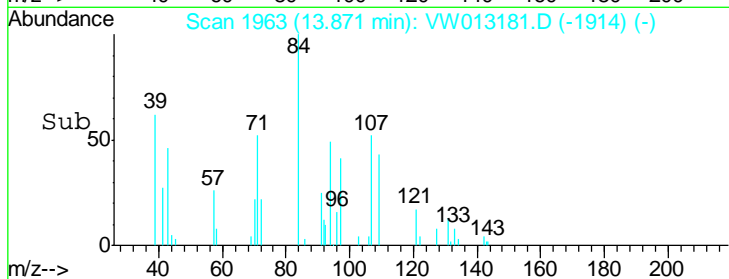
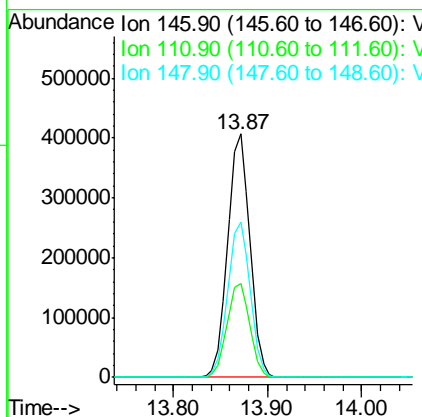
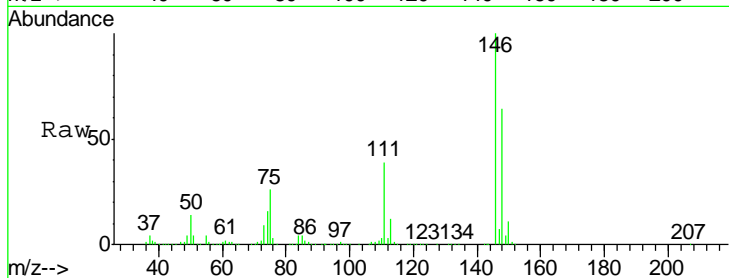
#91
 1,2-Dichlorobenzene
 Concen: 108.837 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.5	20.1	60.3
148	64.2	32.0	96.0

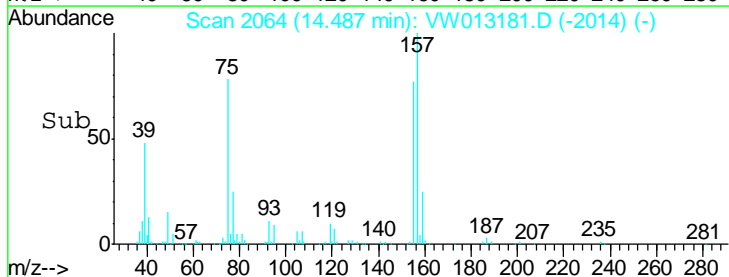
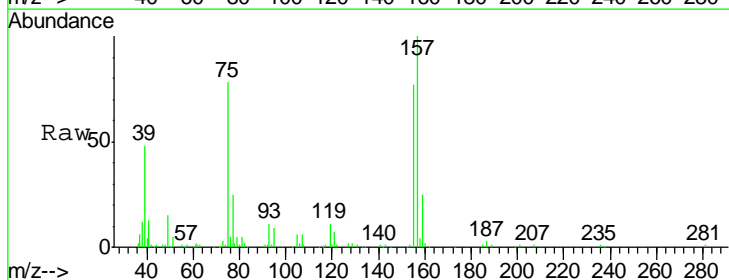
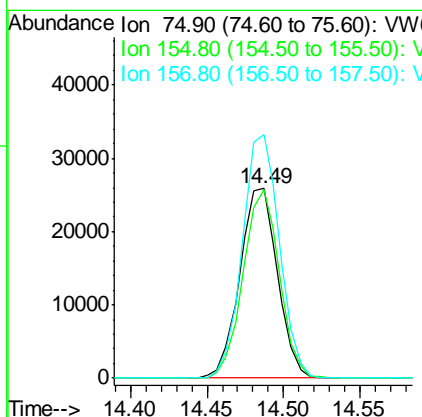
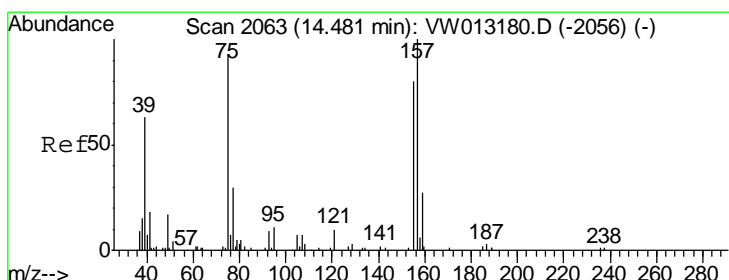
Manual Integrations
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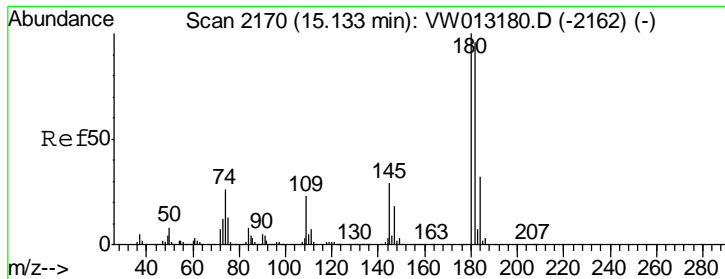
MMDadoda
 9/24/2019 5:28:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.336 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
75	100		
155	95.5	46.1	138.3
157	126.1	60.4	181.2





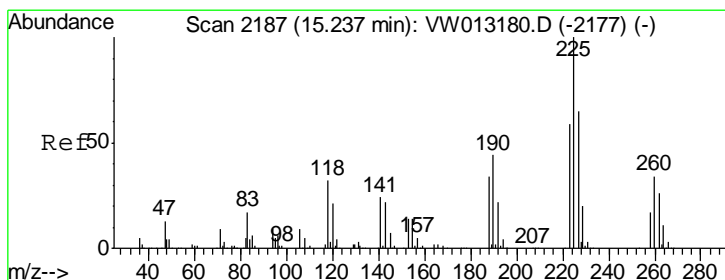
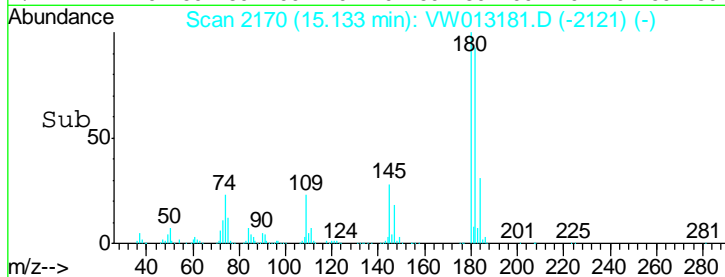
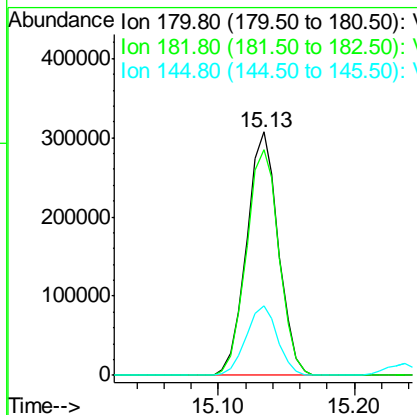
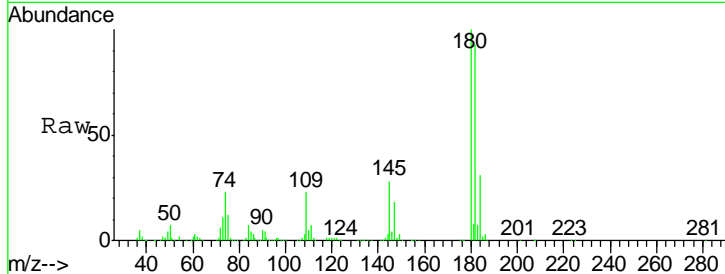
#93
 1,2,4-Trichlorobenzene
 Concen: 114.728 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument : MSVOA_W
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	28.5	14.2	42.8

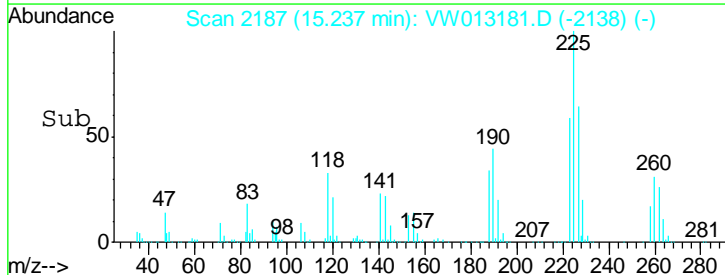
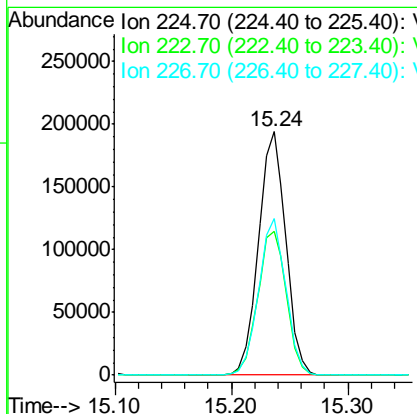
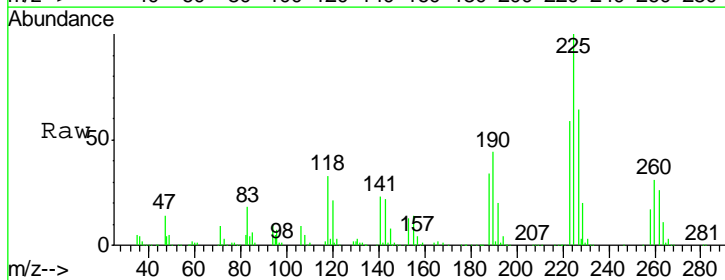
Manual Integrations
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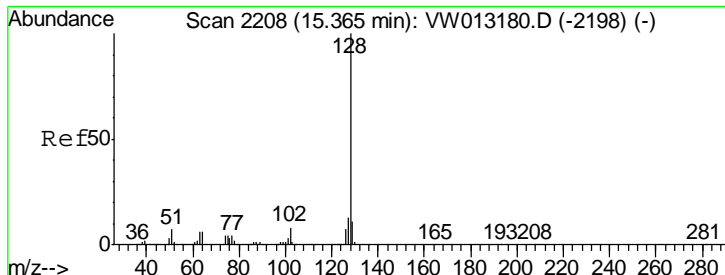
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 9/24/2019 5:28:48 AM



#94
 Hexachlorobutadiene
 Concen: 102.642 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

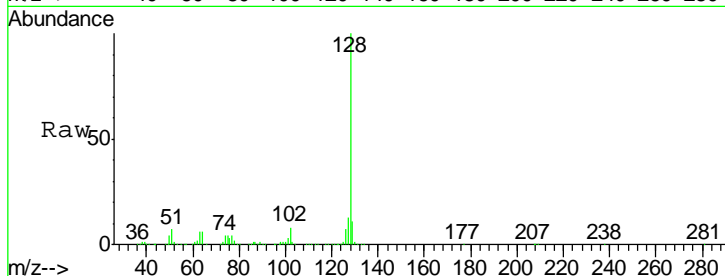
Tgt Ion	Resp	Lower	Upper
225	100		
223	61.7	30.6	91.8
227	64.1	31.9	95.9





#95
 Naphthalene
 Concen: 119.052 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

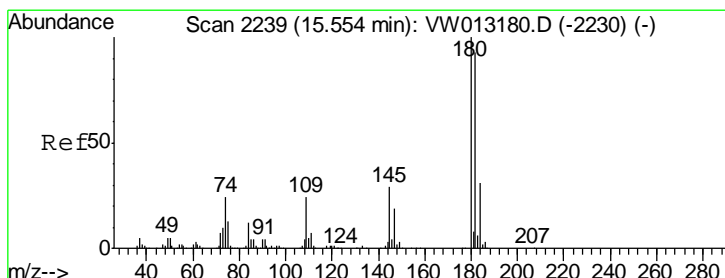
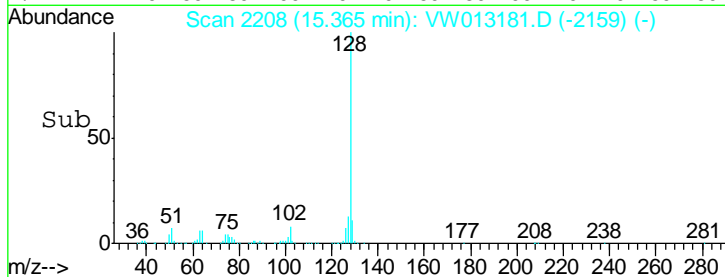
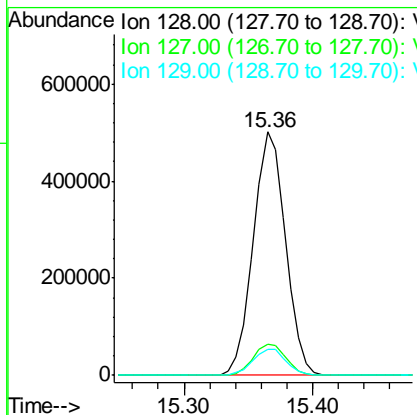
Instrument : MSVOA_W
 Client Sampled : VSTDIC100



Tgt Ion	Resp	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.7	13.1

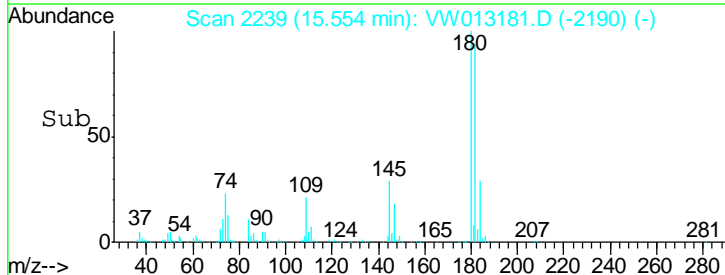
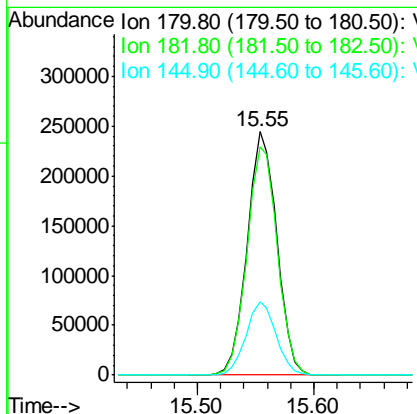
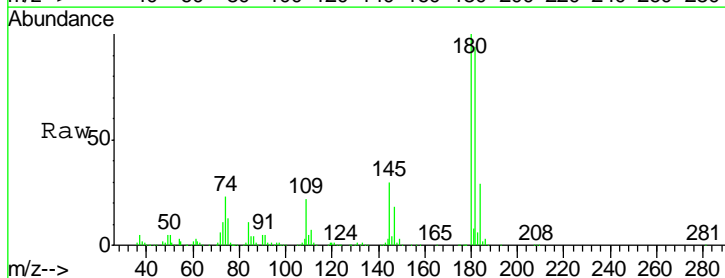
Manual Integrations
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 9/24/2019 5:28:48 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 112.728 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	30.6	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	518740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	453748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	424604	143.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.14%	
35) Dibromofluoromethane	7.88	113	421193	147.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.26%	
50) Toluene-d8	10.32	98	1743654	146.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.06%	
62) 4-Bromofluorobenzene	12.62	95	594727	145.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	304613	145.727	ug/l	98
3) Chloromethane	2.21	50	368548	137.159	ug/l	100
4) Vinyl Chloride	2.36	62	468698	135.301	ug/l	98
5) Bromomethane	2.76	94	306566	139.648	ug/l	93
6) Chloroethane	2.91	64	286775	140.445	ug/l	97
7) Trichlorofluoromethane	3.25	101	309541	154.965	ug/l	97
8) Diethyl Ether	3.68	74	247880	145.284	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	454964	139.900	ug/l	100
10) Methyl Iodide	4.27	142	721611	143.120	ug/l	100
11) Tert butyl alcohol	5.16	59	157534	760.594	ug/l	98
12) 1,1-Dichloroethene	4.04	96	478238	142.012	ug/l	97
13) Acrolein	3.89	56	128357	753.937	ug/l	98
14) Allyl chloride	4.66	41	789515	147.311	ug/l	99
15) Acrylonitrile	5.36	53	547038	742.833	ug/l	99
16) Acetone	4.12	43	487610	731.106	ug/l	97
17) Carbon Disulfide	4.38	76	1438428	147.780	ug/l	99
18) Methyl Acetate	4.66	43	269352	143.671	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	723924	140.262	ug/l	99
20) Methylene Chloride	4.92	84	484233	147.636	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	514660	141.399	ug/l	92
22) Diisopropyl ether	6.31	45	1470667	144.301	ug/l	98
23) Vinyl Acetate	6.25	43	4528086	748.913	ug/l	99
24) 1,1-Dichloroethane	6.21	63	884047	143.750	ug/l	99
25) 2-Butanone	7.17	43	728640	727.768	ug/l	95
26) 2,2-Dichloropropane	7.17	77	518534	147.410	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	556592	144.903	ug/l	99
28) Bromochloromethane	7.51	49	367394	155.653	ug/l #	100
29) Tetrahydrofuran	7.52	42	462273	752.885	ug/l	99
30) Chloroform	7.67	83	848474	140.918	ug/l	98
31) Cyclohexane	7.95	56	865114	134.949	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	696770	142.882	ug/l	99
36) 1,1-Dichloropropene	8.08	75	716795	142.664	ug/l	99
37) Ethyl Acetate	7.24	43	310310	145.319	ug/l	100
38) Carbon Tetrachloride	8.07	117	661129	146.787	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
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MMDadoda
 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	937437	145.185	ug/l	98
40) Benzene	8.32	78	2014718	143.760	ug/l	100
41) Methacrylonitrile	7.48	41	201561	158.155	ug/l	94
42) 1,2-Dichloroethane	8.40	62	538293	142.883	ug/l	99
43) Isopropyl Acetate	8.42	43	612742	149.719	ug/l	98
44) Trichloroethene	9.09	130	566498	144.073	ug/l	100
45) 1,2-Dichloropropane	9.37	63	496521	145.117	ug/l	98
46) Dibromomethane	9.46	93	240497	144.779	ug/l	98
47) Bromodichloromethane	9.64	83	636710	150.635	ug/l	96
48) Methyl methacrylate	9.43	41	310963	161.586	ug/l	97
49) 1,4-Dioxane	9.45	88	72872	2922.507	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	1533608	747.477	ug/l	99
52) Toluene	10.38	92	1304717	145.263	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	675162	155.473	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	818199	154.959	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	362644	146.059	ug/l	98
56) Ethyl methacrylate	10.65	69	509675	156.852	ug/l	100
57) 1,3-Dichloropropane	10.93	76	638161	147.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1150289	764.671	ug/l	99
59) 2-Hexanone	10.97	43	1085921	769.299	ug/l	100
60) Dibromochloromethane	11.13	129	437363	155.134	ug/l	100
61) 1,2-Dibromoethane	11.23	107	348753	147.733	ug/l	100
64) Tetrachloroethene	10.86	164	485303	140.964	ug/l	98
65) Chlorobenzene	11.66	112	1358539	143.379	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	478627	147.860	ug/l	99
67) Ethyl Benzene	11.73	91	2482158	144.581	ug/l	99
68) m/p-Xylenes	11.84	106	1896284	289.860	ug/l	100
69) o-Xylene	12.16	106	881736	144.967	ug/l	98
70) Styrene	12.18	104	1529950	146.518	ug/l	100
71) Bromoform	12.35	173	261977	153.192	ug/l #	99
73) Isopropylbenzene	12.46	105	2425667	146.832	ug/l	100
74) N-amyl acetate	12.27	43	570083	155.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	401840	145.444	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	263611m	133.475	ug/l	
77) Bromobenzene	12.74	156	566219	144.636	ug/l	97
78) n-propylbenzene	12.80	91	2822734	145.974	ug/l	100
79) 2-Chlorotoluene	12.89	91	1573394	145.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	2011549	144.853	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	144729	164.437	ug/l	96
82) 4-Chlorotoluene	12.99	91	1654163	144.794	ug/l	99
83) tert-Butylbenzene	13.21	119	1757751	144.213	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1983487	143.537	ug/l	99
85) sec-Butylbenzene	13.38	105	2412563	143.569	ug/l	99
86) p-Isopropyltoluene	13.50	119	2258108	144.880	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1077676	143.036	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1061959	143.717	ug/l	99
89) n-Butylbenzene	13.82	91	2099115	147.496	ug/l	100
90) Hexachloroethane	14.09	117	396859	151.570	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	952708	146.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	64923	153.631	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
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MMDadoda
 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	753495	161.323	ug/l	99
94) Hexachlorobutadiene	15.24	225	464244	145.283	ug/l	99
95) Naphthalene	15.36	128	1299655	170.133	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	644426	159.676	ug/l	100

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

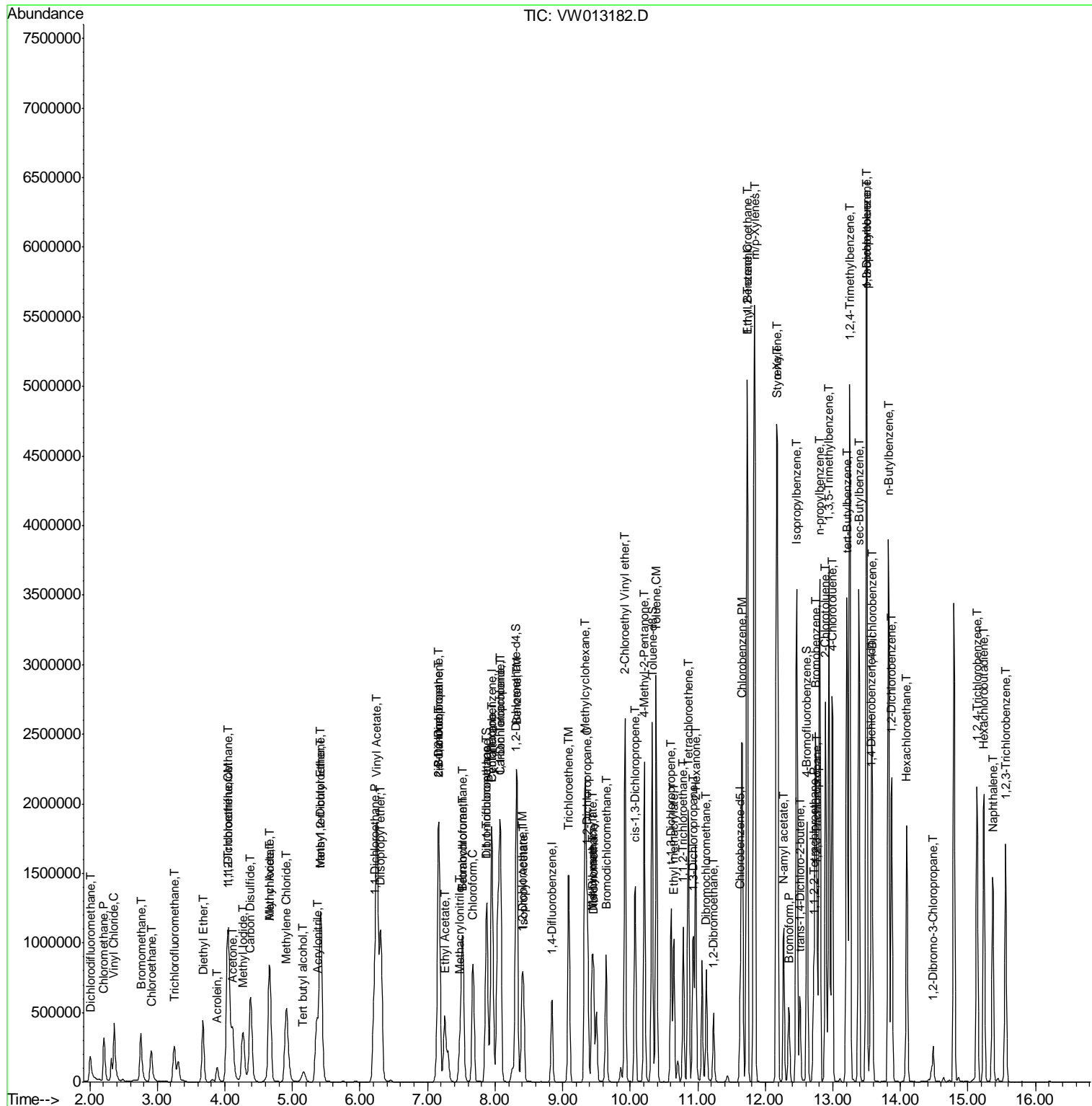
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 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC150

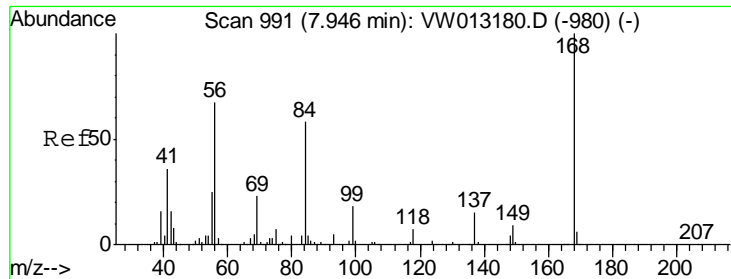
Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration



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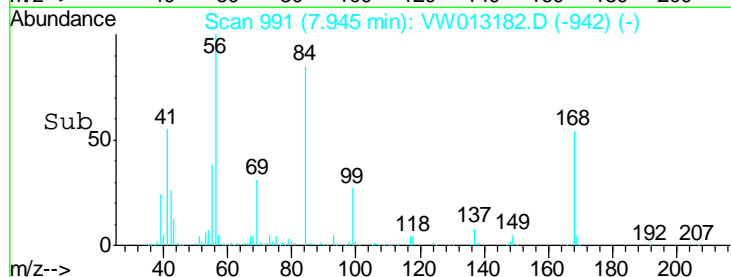
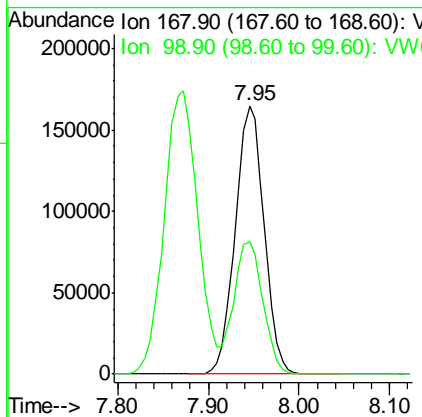
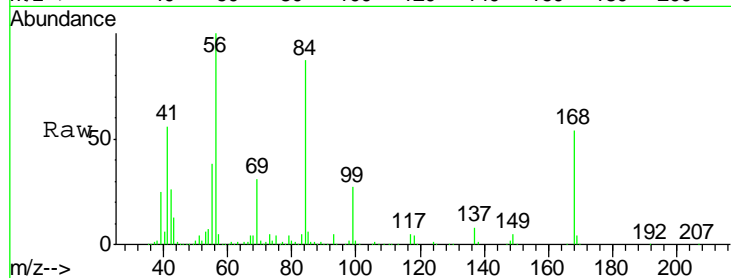
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.5	40.2	60.4

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

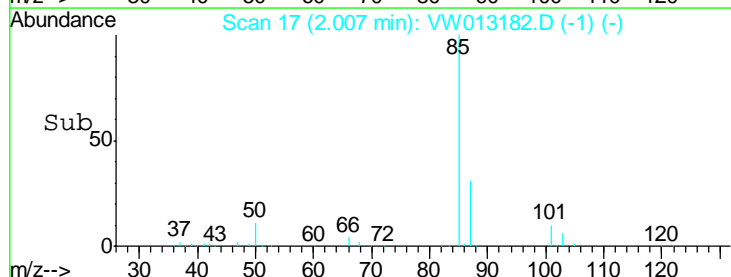
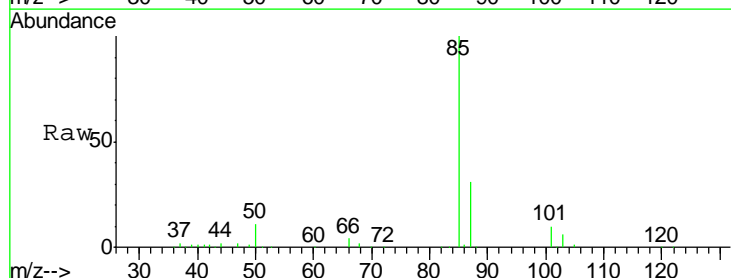
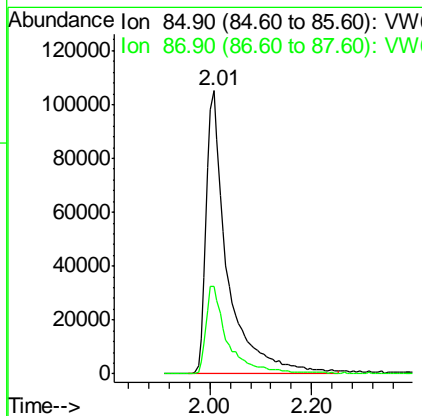
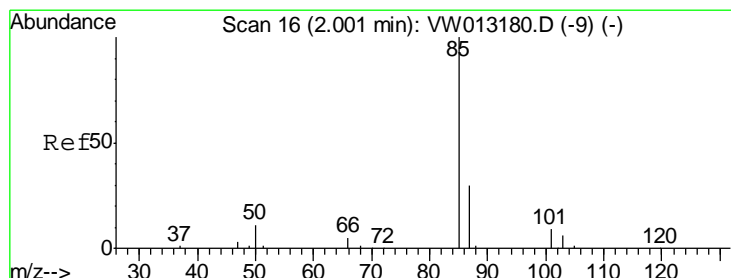
Manual Integrations APPROVED

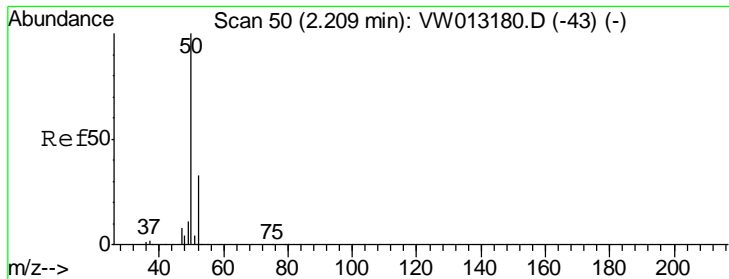
MMDadoda
 9/24/2019 5:28:49 AM



#2
 Dichlorodifluoromethane
 Concen: 145.727 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.1	15.1	45.3





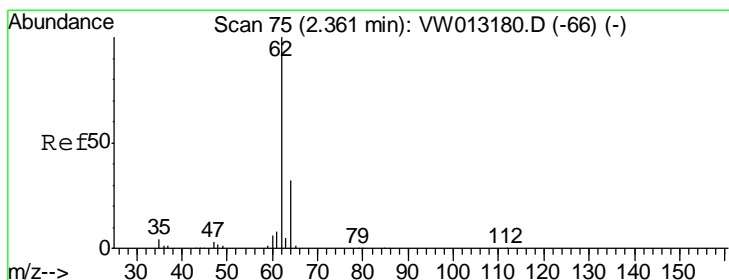
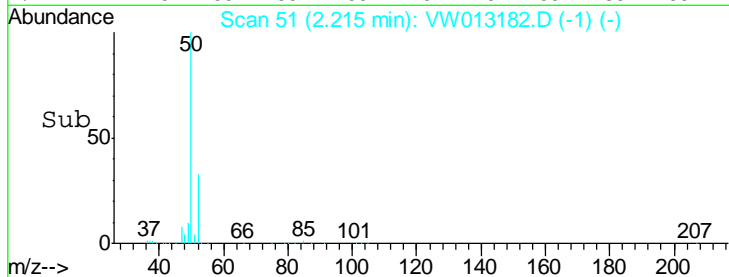
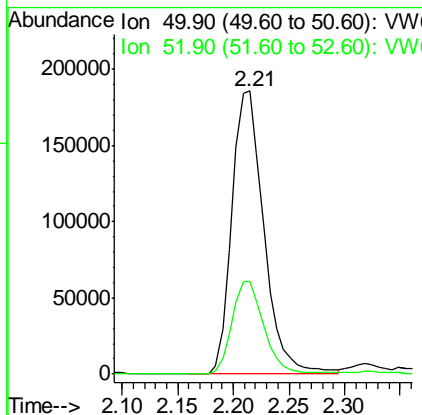
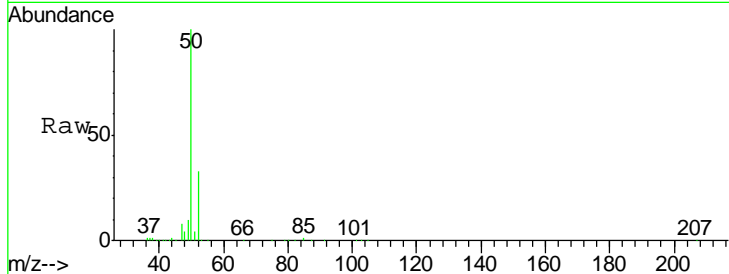
#3
 Chloromethane
 Concen: 137.159 ug/l
 RT: 2.21 min Scan# 51
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.7	26.1	39.1

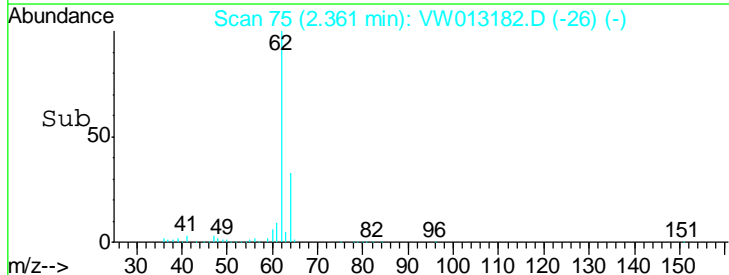
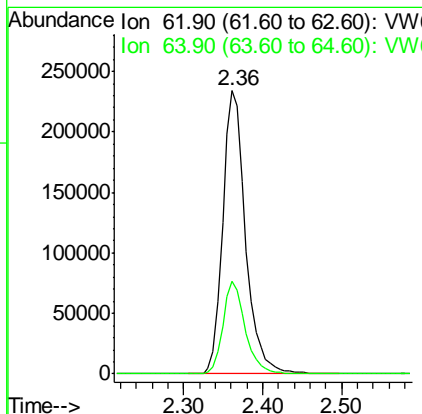
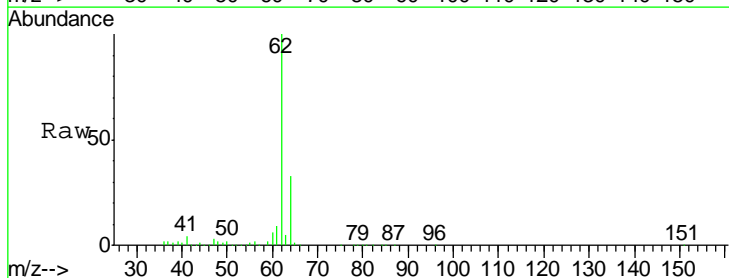
Manual Integrations
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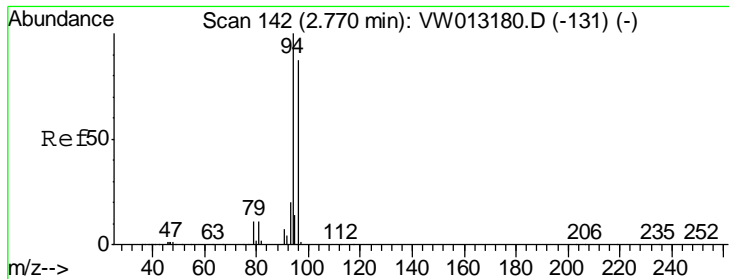
MMDadoda
 9/24/2019 5:28:49 AM



#4
 Vinyl Chloride
 Concen: 135.301 ug/l
 RT: 2.36 min Scan# 75
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.7	25.3	37.9



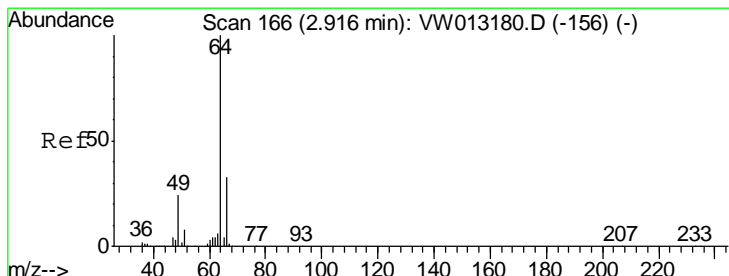
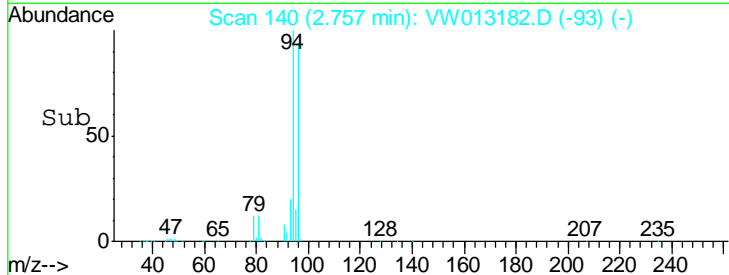
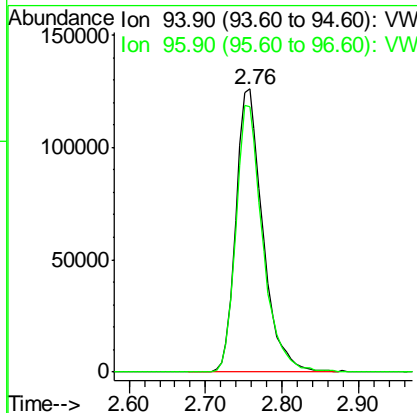
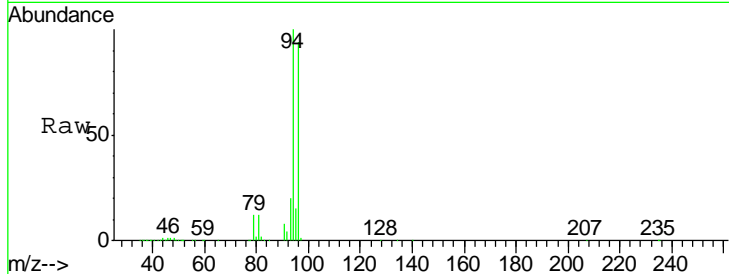


#5
 Bromomethane
 Concen: 139.648 ug/l
 RT: 2.76 min Scan# 140
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.9	69.7	104.5

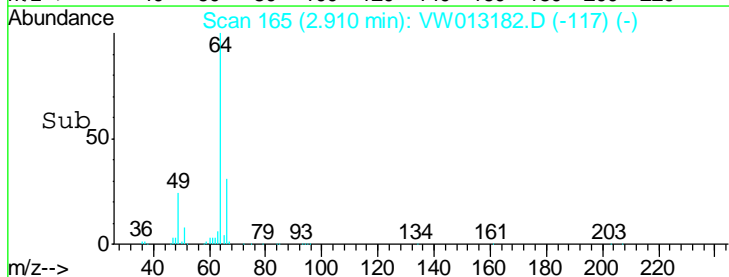
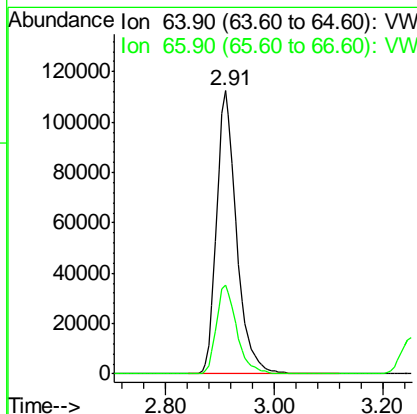
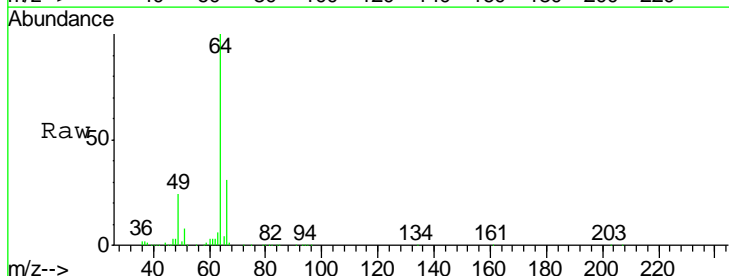
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

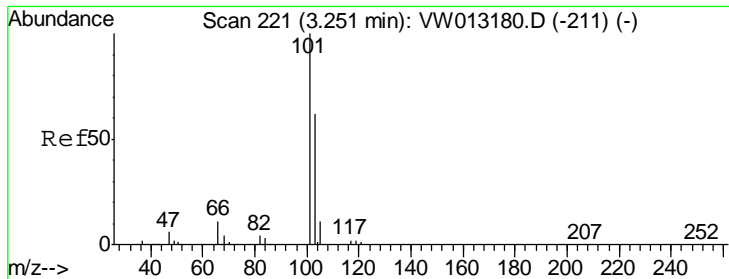
Manual Integrations
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 MMDadoda
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#6
 Chloroethane
 Concen: 140.445 ug/l
 RT: 2.91 min Scan# 165
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.5	26.6	39.8



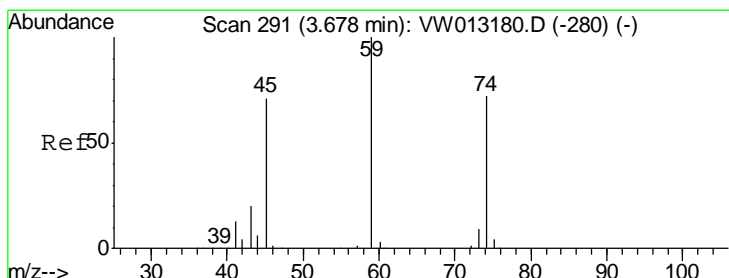
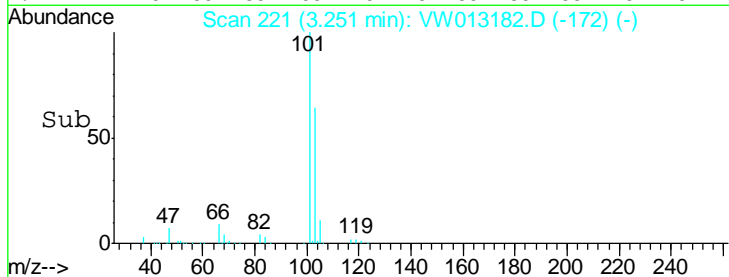
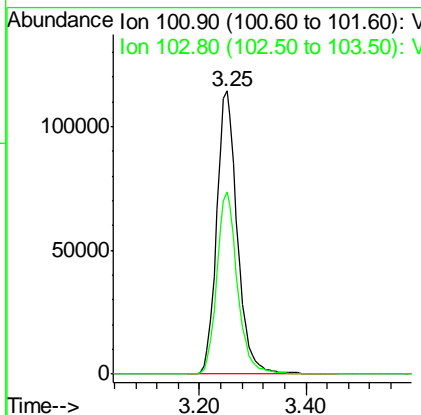
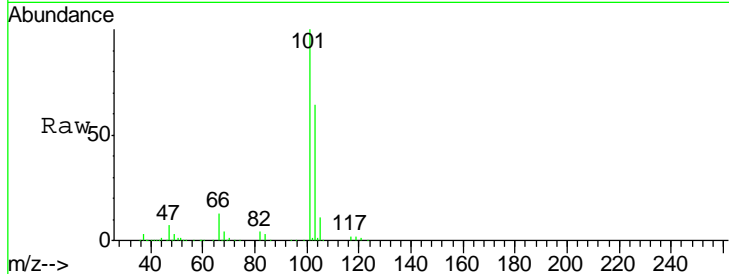


#7
 Trichlorofluoromethane
 Concen: 154.965 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
101	309541		
103	64.2	49.7	74.5

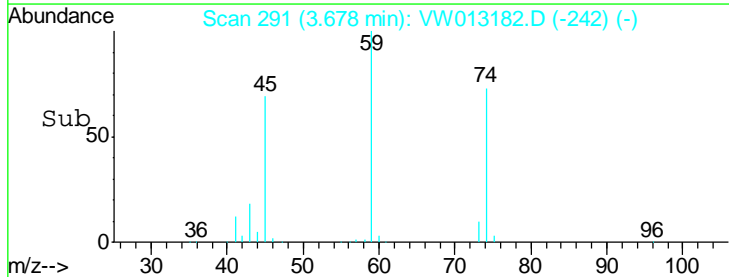
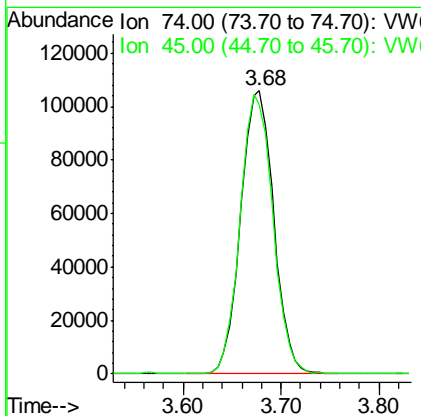
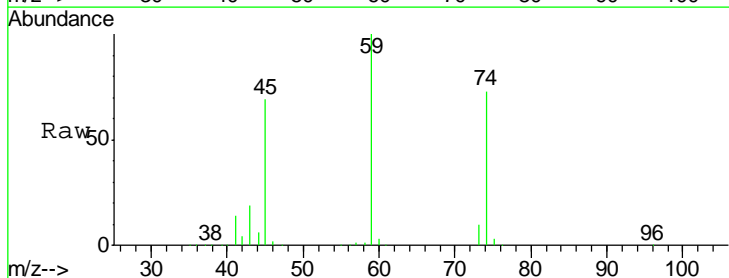
Instrument : MSVOA_W
 ClientSampled : VSTDIC150

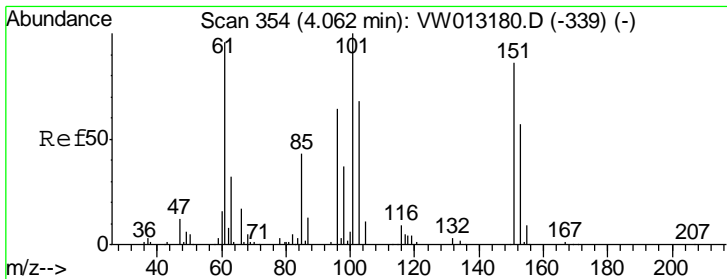
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#8
 Diethyl Ether
 Concen: 145.284 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
74	247880		
45	97.6	49.5	148.7





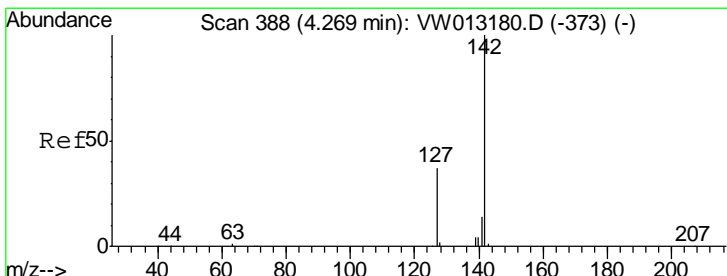
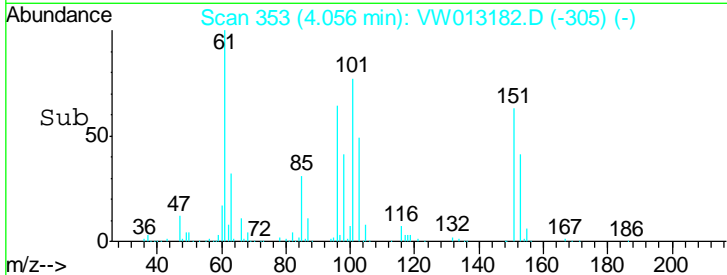
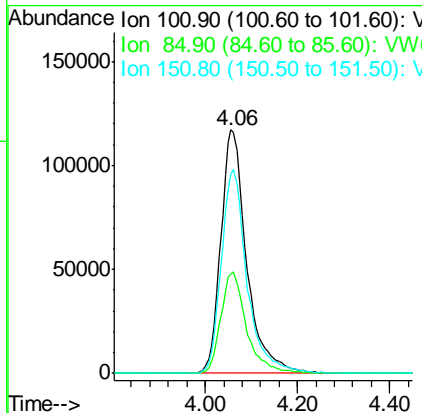
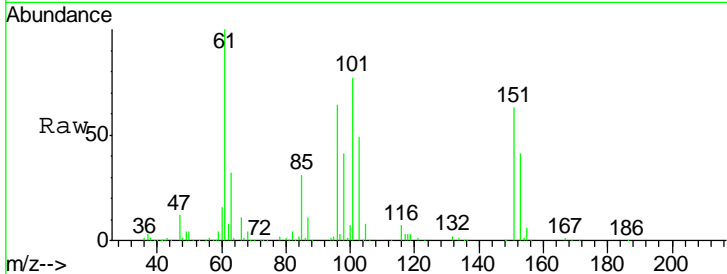
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 139.900 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
101	454964		
101	100		
85	41.4	33.4	50.0
151	83.4	66.9	100.3

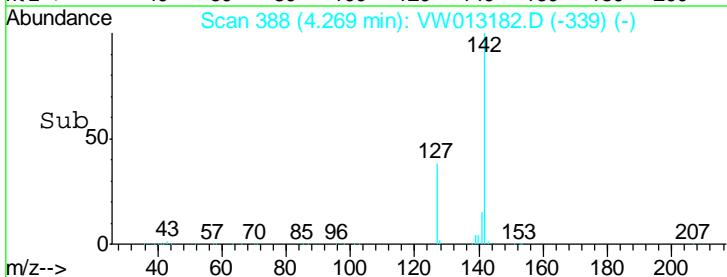
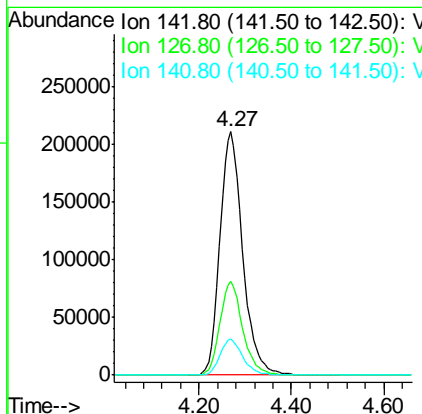
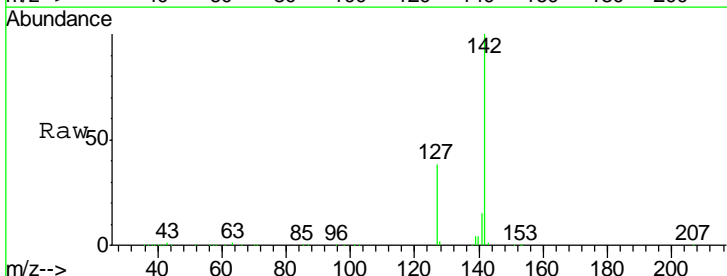
Manual Integrations
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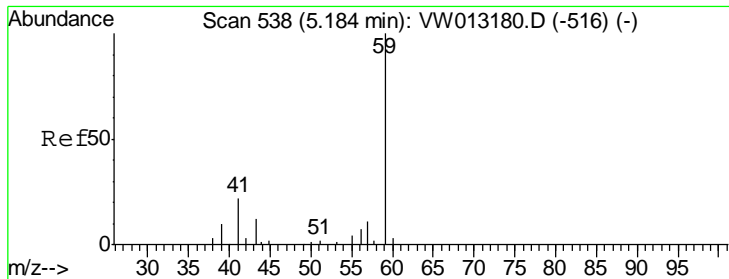
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#10
 Methyl Iodide
 Concen: 143.120 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
142	721611		
142	100		
127	38.4	30.9	46.3
141	14.8	11.7	17.5





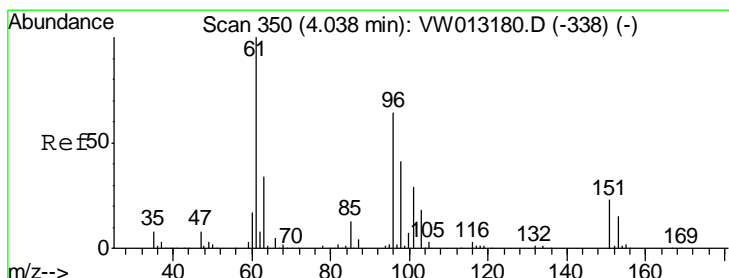
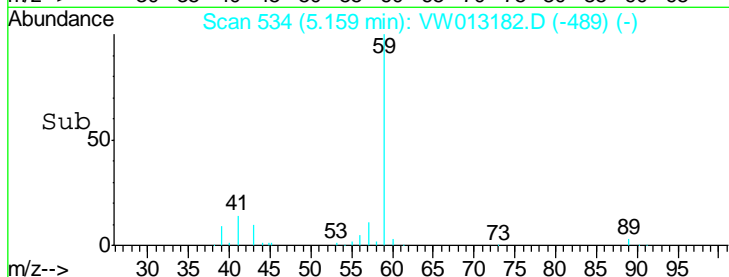
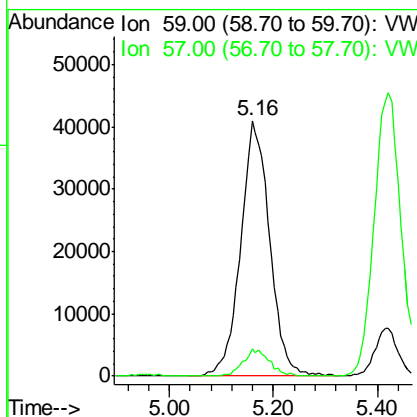
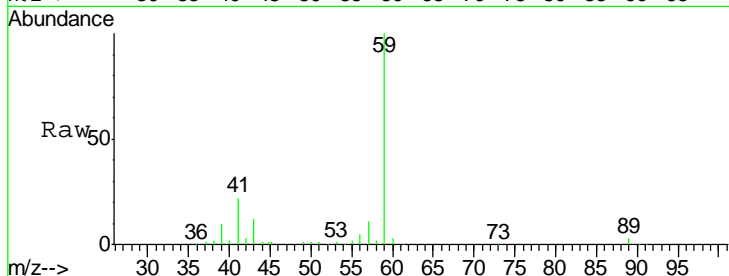
#11
 Tert butyl alcohol
 Concen: 760.594 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
59	157534		
57	9.5	8.2	12.2

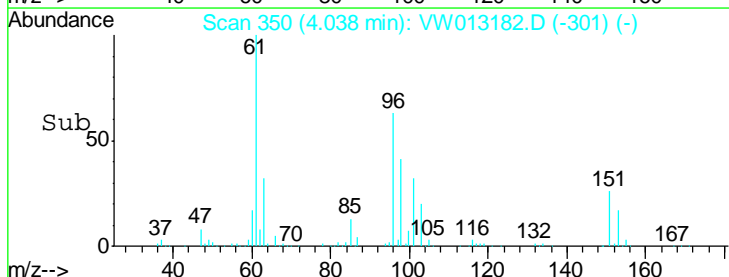
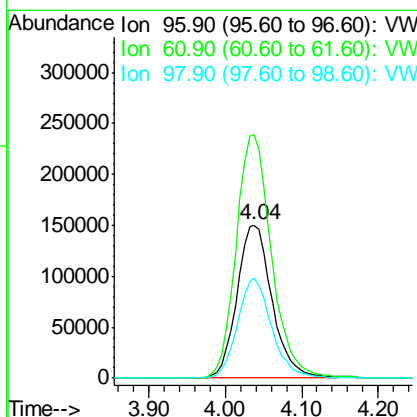
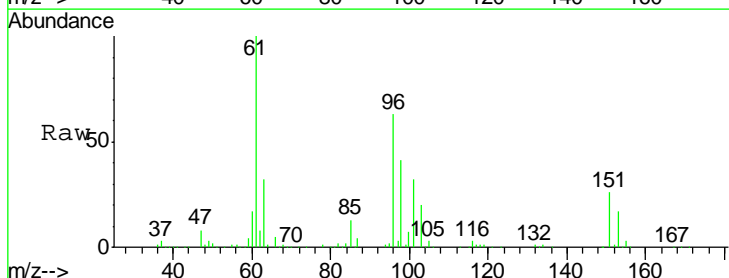
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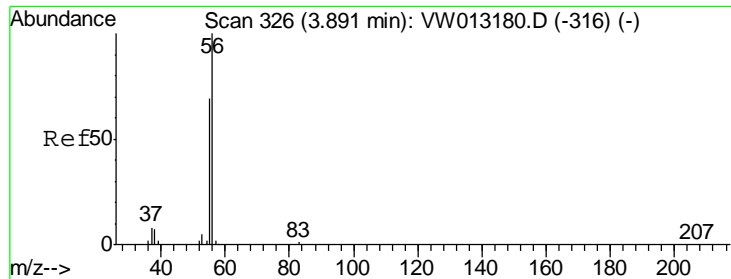
MMDadoda
 9/24/2019 5:28:49 AM



#12
 1,1-Dichloroethene
 Concen: 142.012 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
96	478238		
61	159.4	125.1	187.7
98	65.8	50.8	76.2





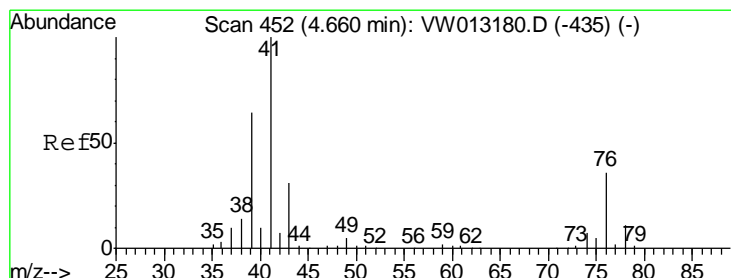
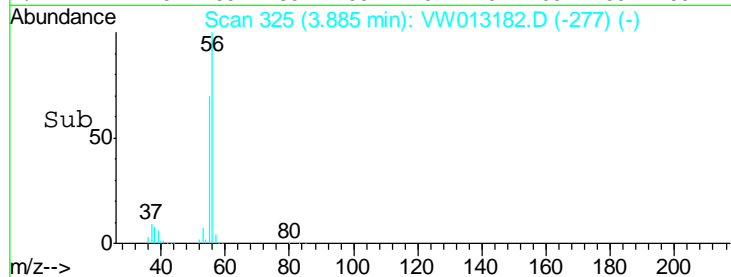
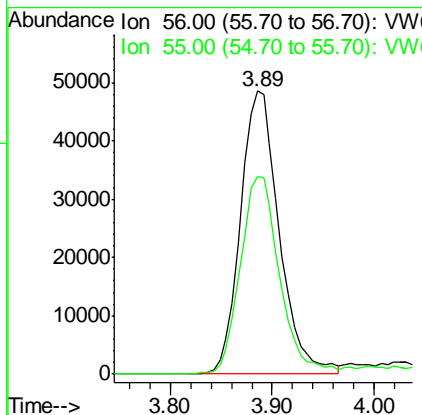
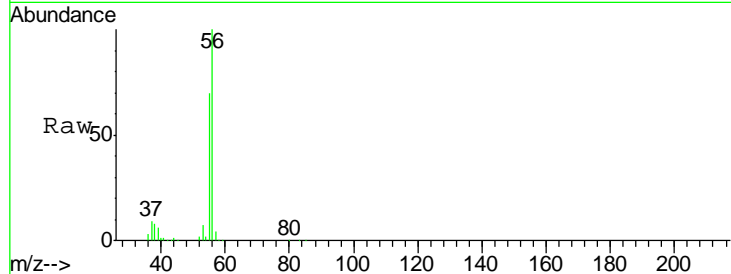
#13
 Acrolein
 Concen: 753.937 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
56	128357		
55	70.8	55.4	83.0

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

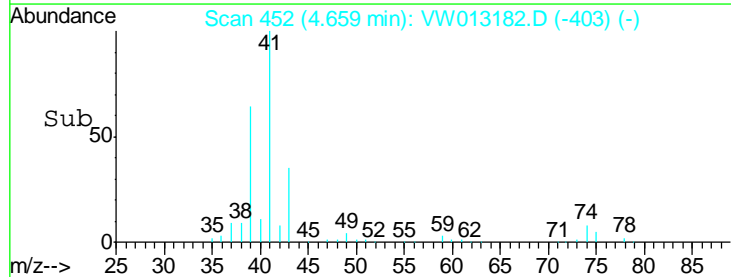
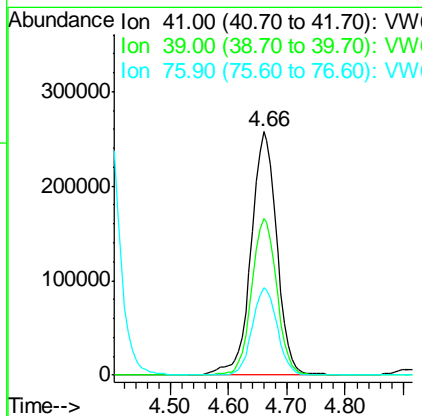
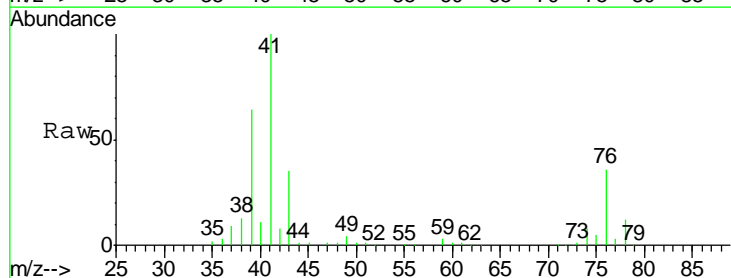
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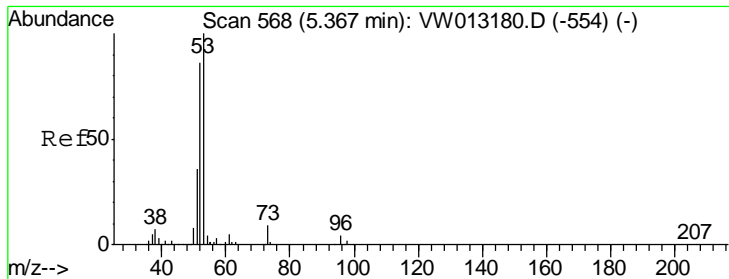
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#14
 Allyl chloride
 Concen: 147.311 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
41	789515		
39	62.9	51.0	76.4
76	34.7	28.4	42.6





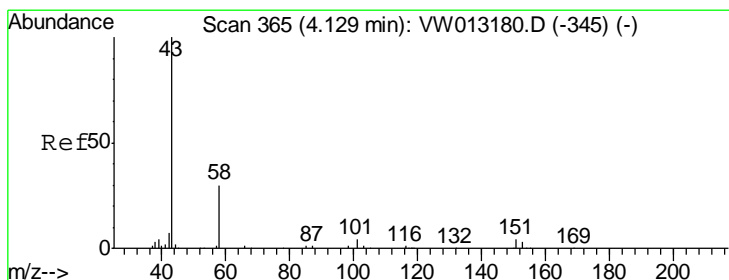
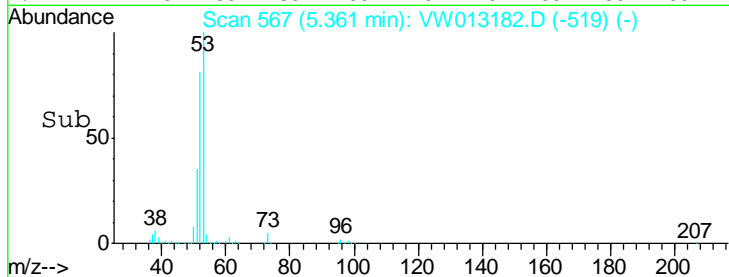
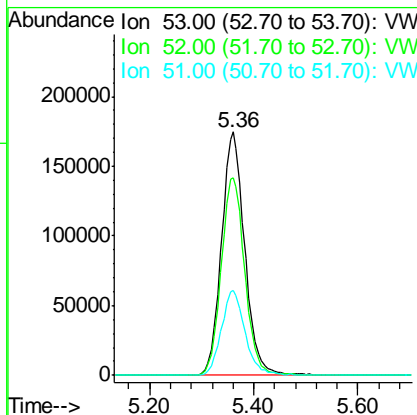
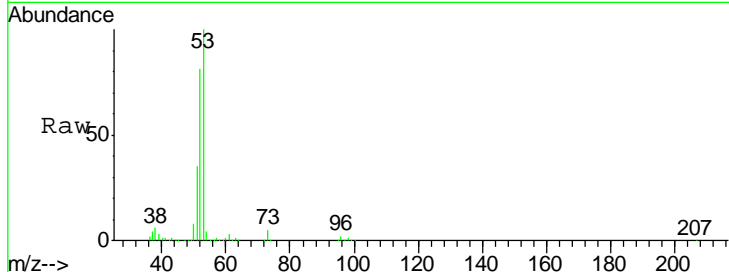
#15
 Acrylonitrile
 Concen: 742.833 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.2	65.3	97.9
51	35.8	29.0	43.4

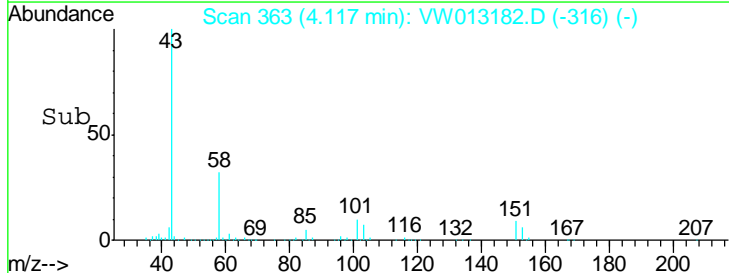
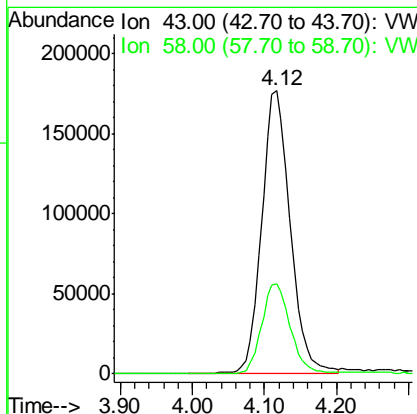
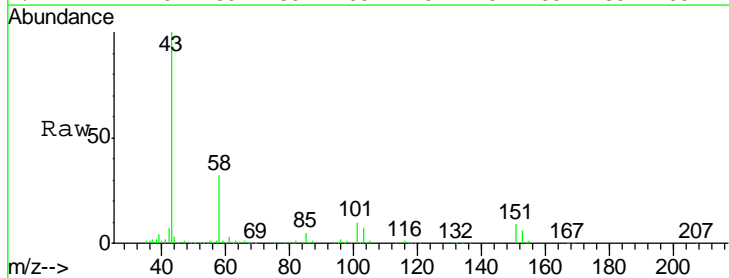
Manual Integrations
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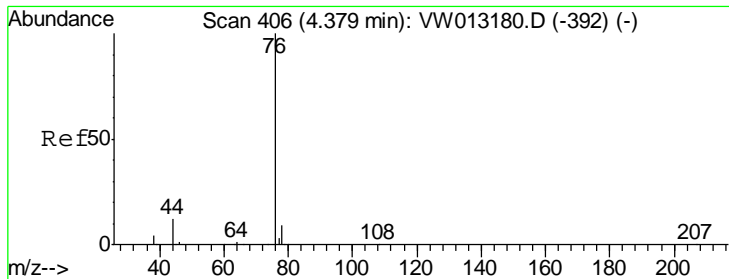
MMDadoda
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#16
 Acetone
 Concen: 731.106 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.7	24.1	36.1





#17
 Carbon Disulfide
 Concen: 147.780 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

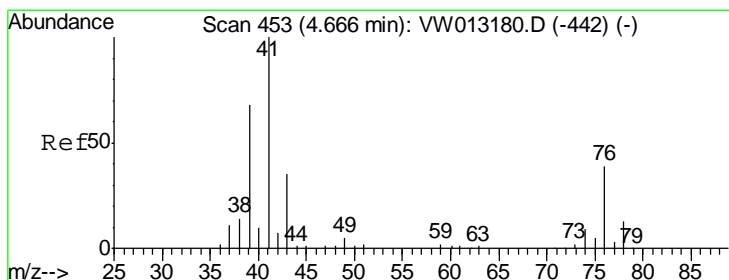
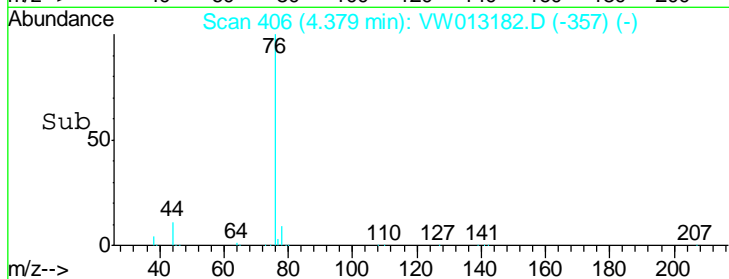
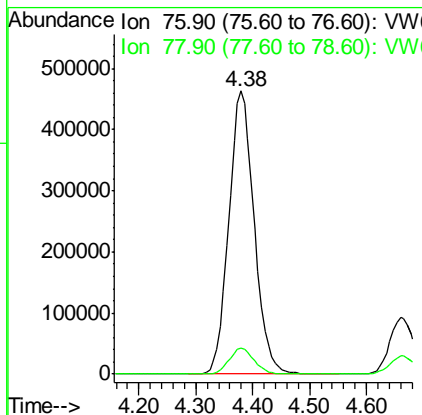
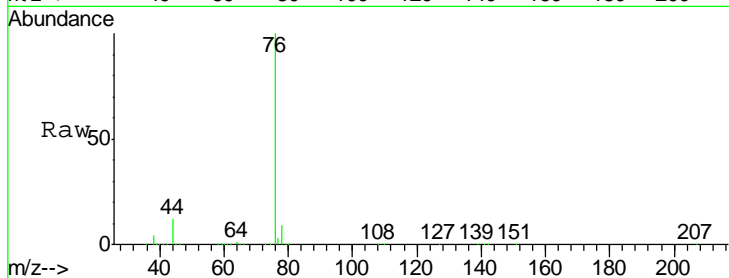
Tgt Ion: 76 Resp: 1438428

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Manual Integrations
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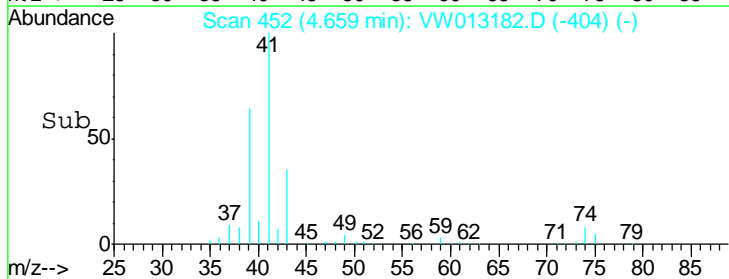
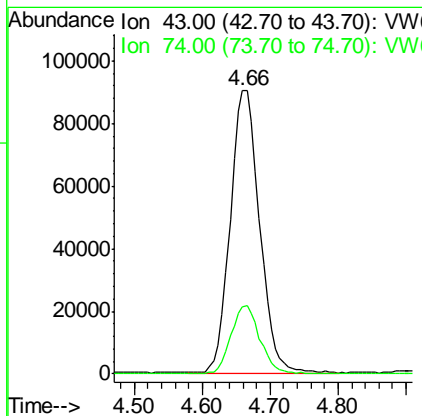
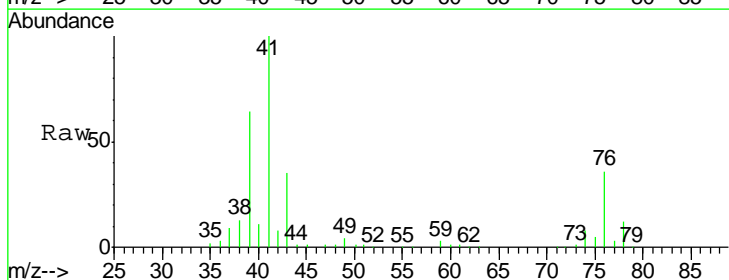
MMDadoda
 9/24/2019 5:28:49 AM

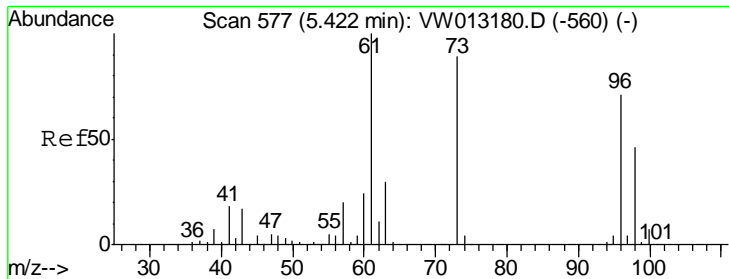


#18
 Methyl Acetate
 Concen: 143.671 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion: 43 Resp: 269352

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.3	28.9



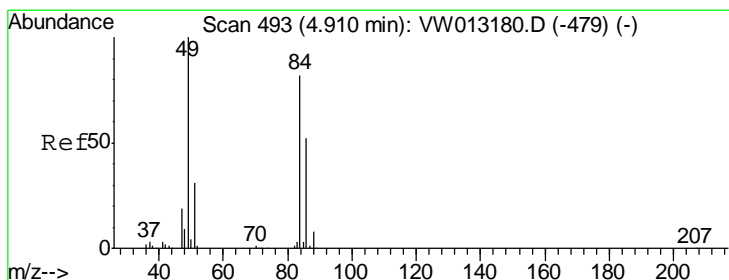
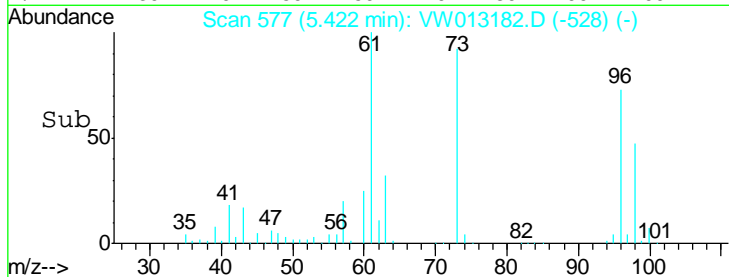
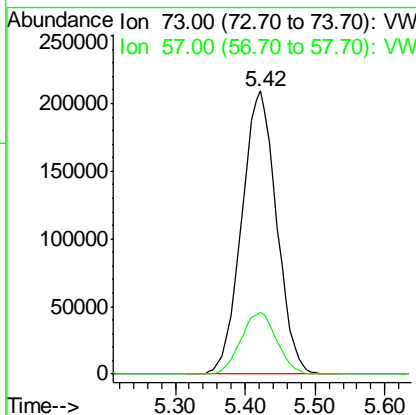
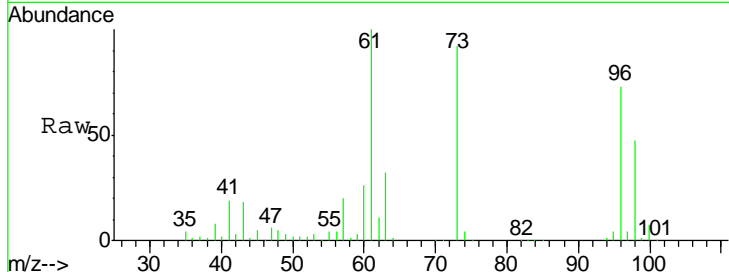


#19
 Methyl tert-butyl Ether
 Concen: 140.262 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.7	17.6	26.4

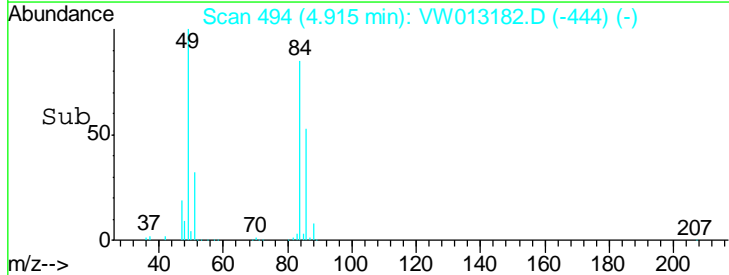
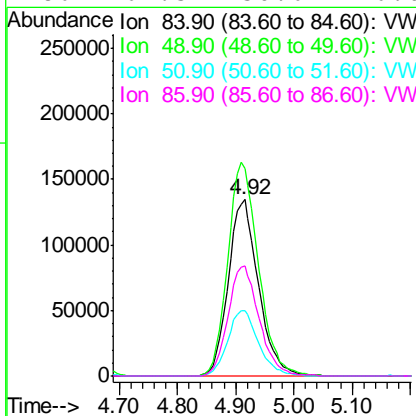
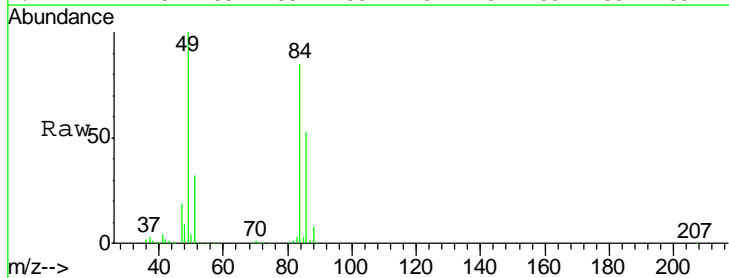
Instrument : MSVOA_W
 ClientSampled : VSTDIC150

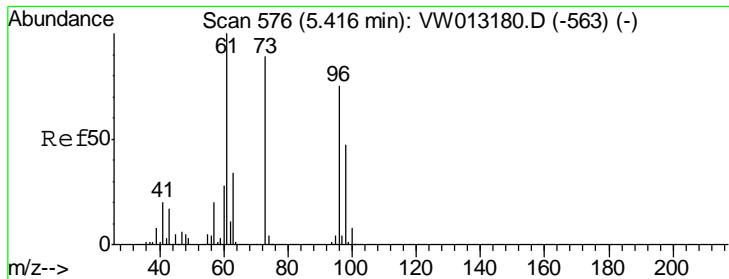
Manual Integrations APPROVED
 MMDadoda
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#20
 Methylene Chloride
 Concen: 147.636 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
84	100		
49	117.7	97.6	146.4
51	37.2	30.2	45.2
86	62.5	50.6	76.0





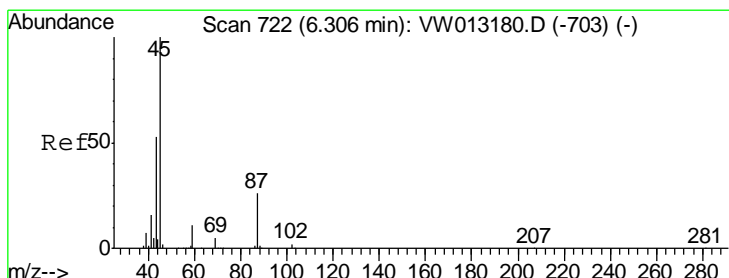
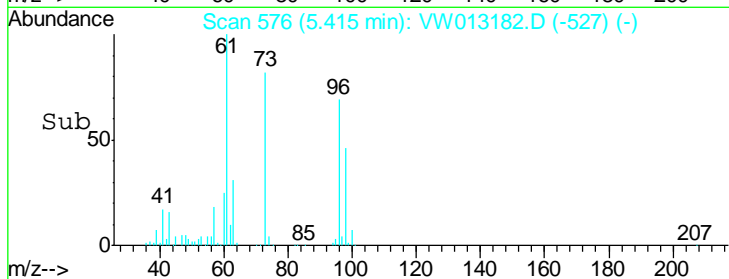
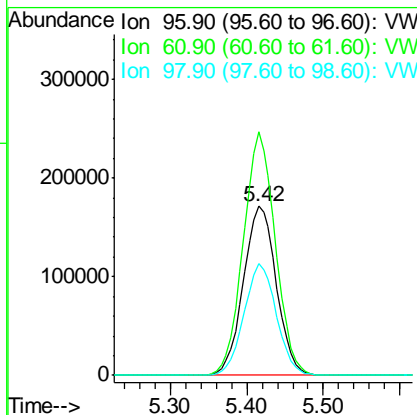
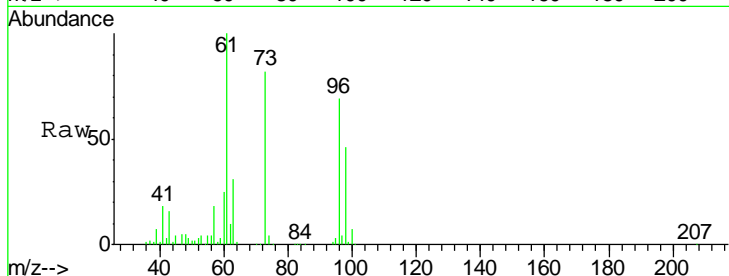
#21
 trans-1,2-Dichloroethene
 Concen: 141.399 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	514660		
61	144.1	106.6	159.8
98	66.0	49.8	74.8

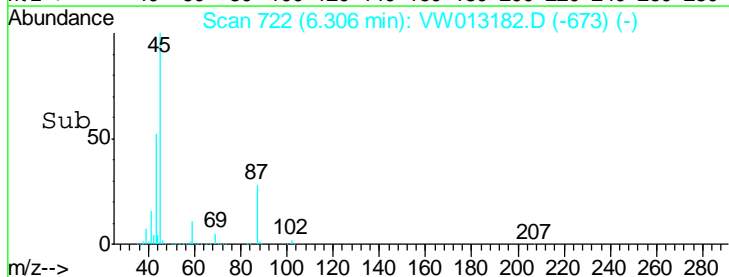
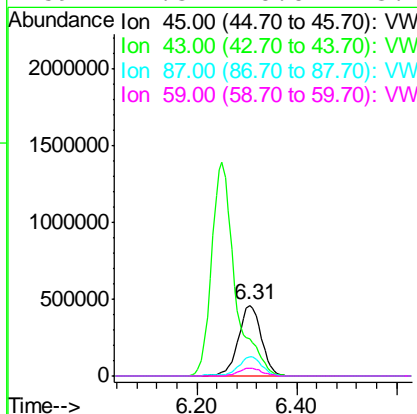
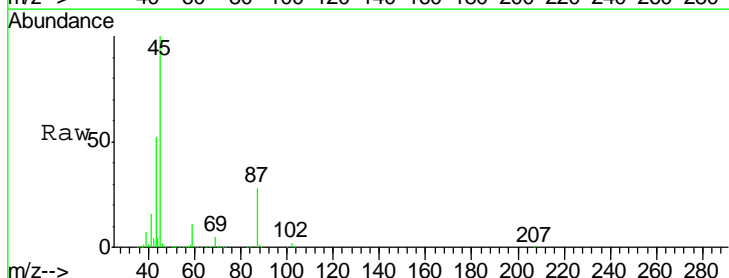
Manual Integrations
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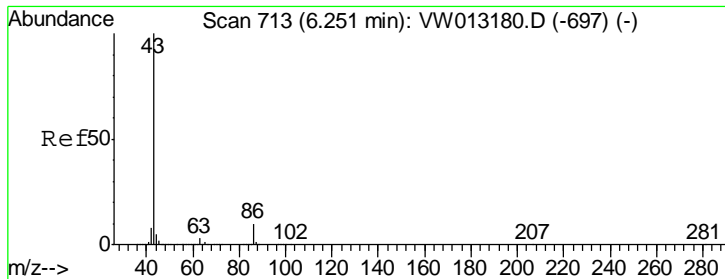
MMDadoda
 9/24/2019 5:28:49 AM



#22
 Diisopropyl ether
 Concen: 144.301 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
45	1470667		
43	51.9	42.4	63.6
87	27.5	20.4	30.6
59	11.3	8.8	13.2





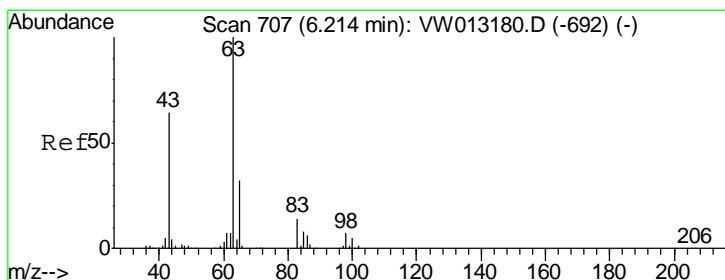
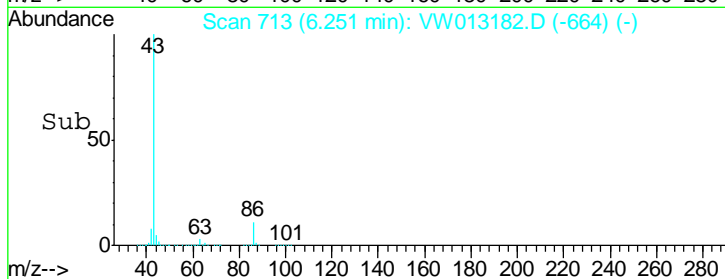
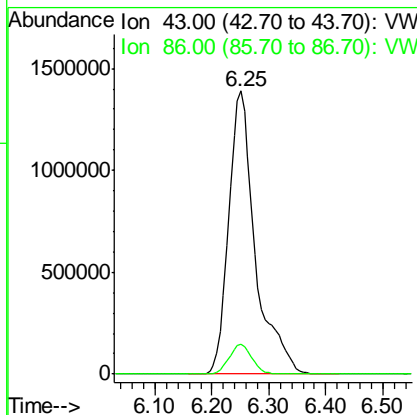
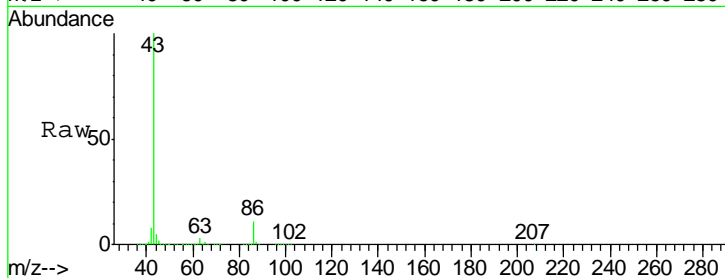
#23
 Vinyl Acetate
 Concen: 748.913 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.7	8.3	12.5

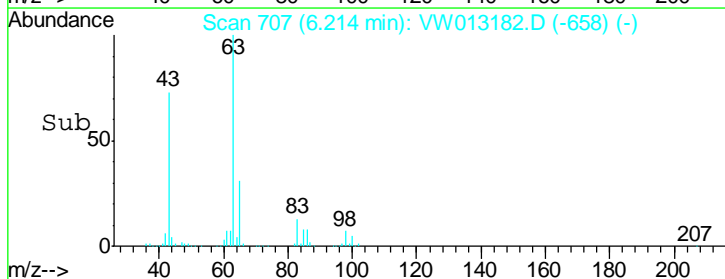
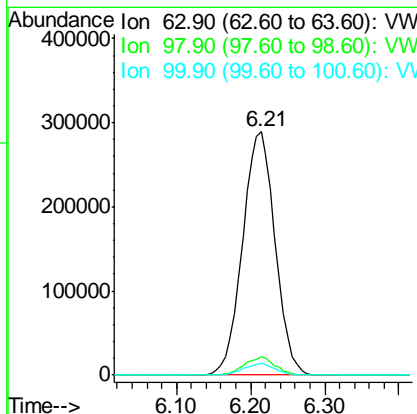
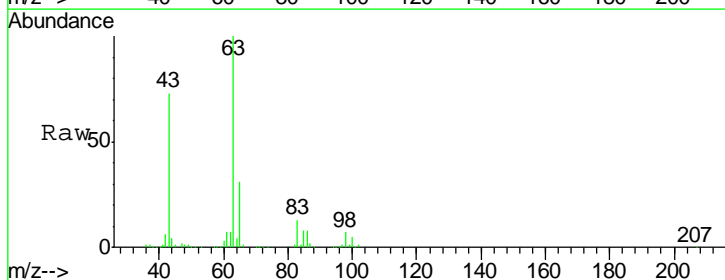
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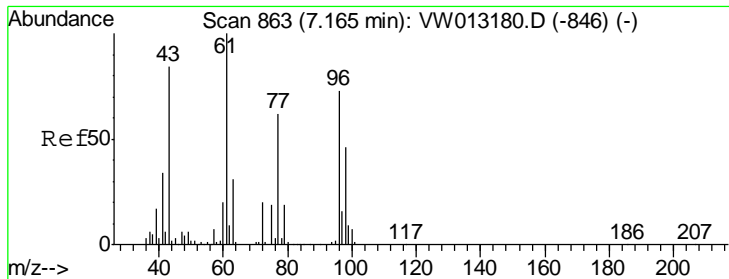
MMDadoda
 9/24/2019 5:28:49 AM



#24
 1,1-Dichloroethane
 Concen: 143.750 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.3	3.5	10.5
100	4.7	2.4	7.1





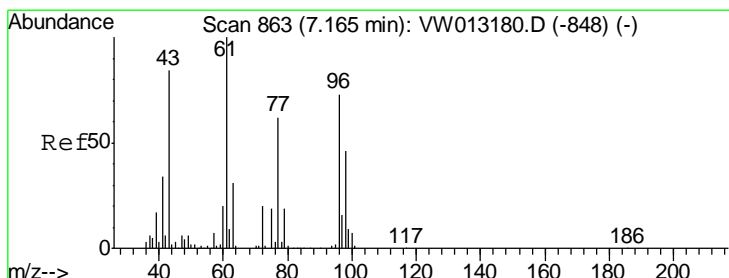
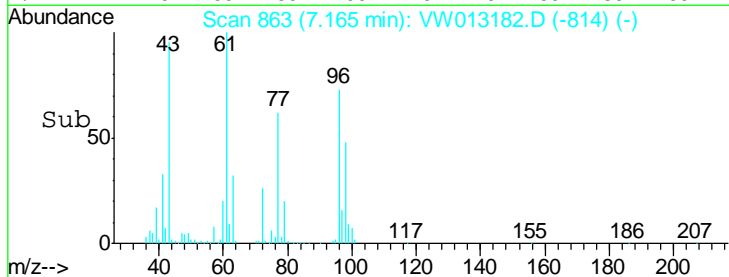
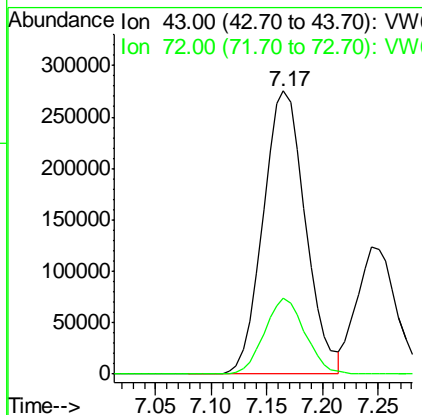
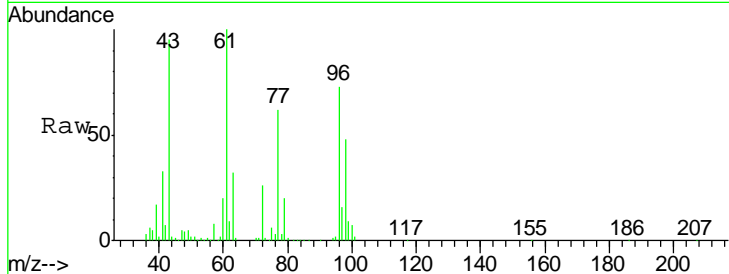
#25
 2-Butanone
 Concen: 727.768 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion: 43 Resp: 728640
 Ion Ratio Lower Upper
 43 100
 72 26.9 19.4 29.0

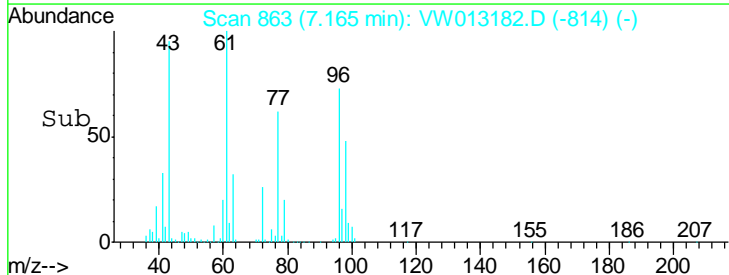
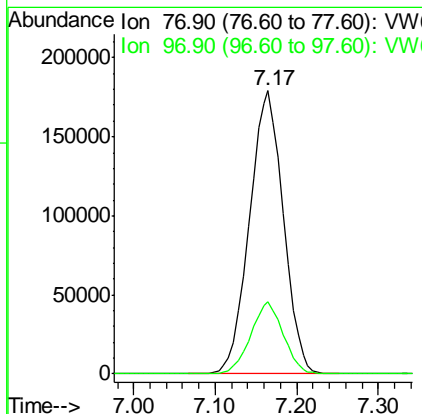
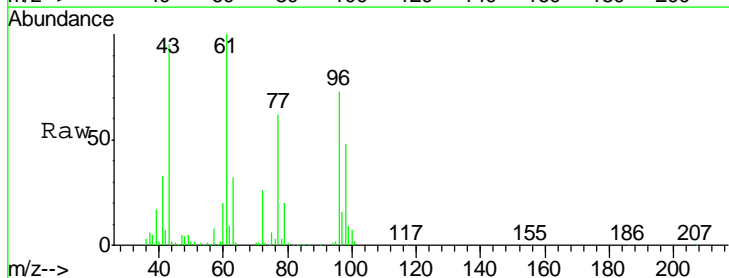
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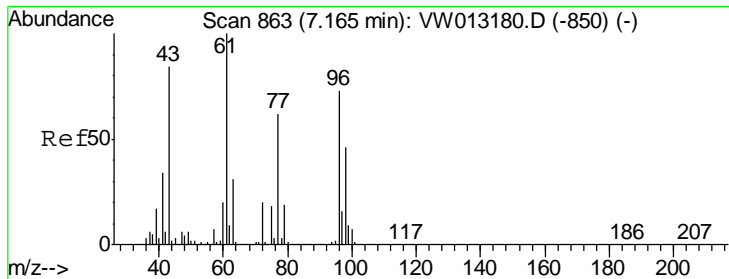
MMDadoda
 9/24/2019 5:28:49 AM



#26
 2,2-Dichloropropane
 Concen: 147.410 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

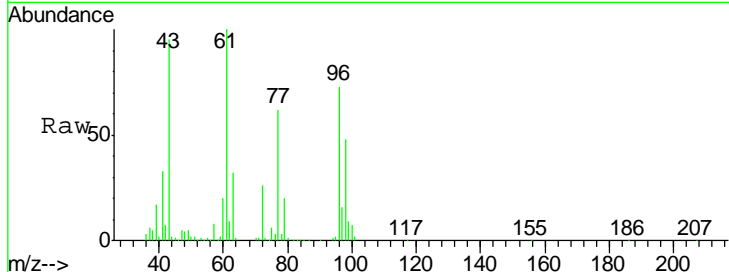
Tgt Ion: 77 Resp: 518534
 Ion Ratio Lower Upper
 77 100
 97 24.5 11.8 35.4





#27
 cis-1,2-Dichloroethene
 Concen: 144.903 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

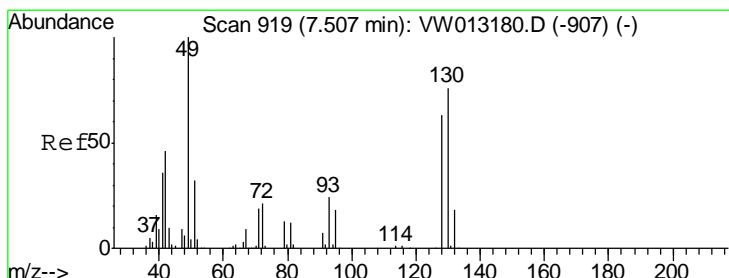
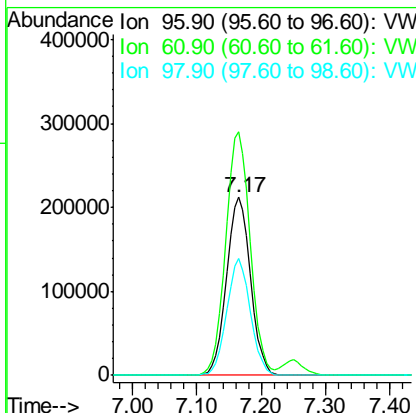
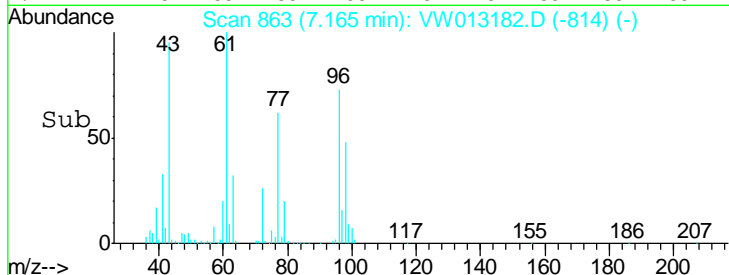


Tgt Ion: 96 Resp: 556592

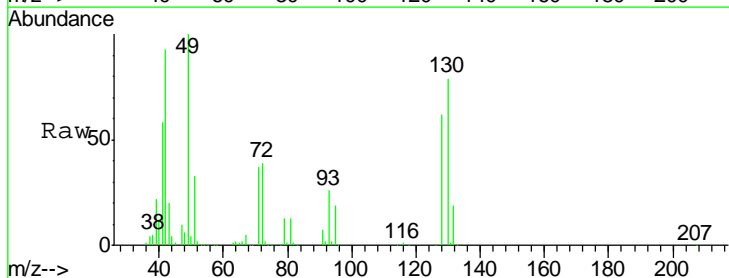
Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	282.4
98	64.5	0.0	128.2

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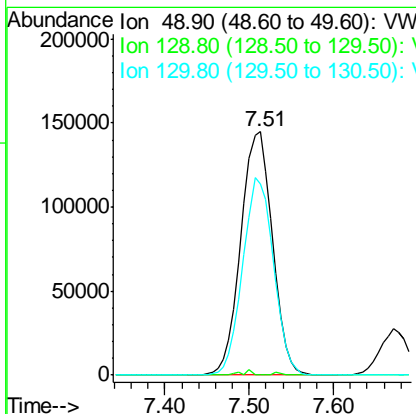
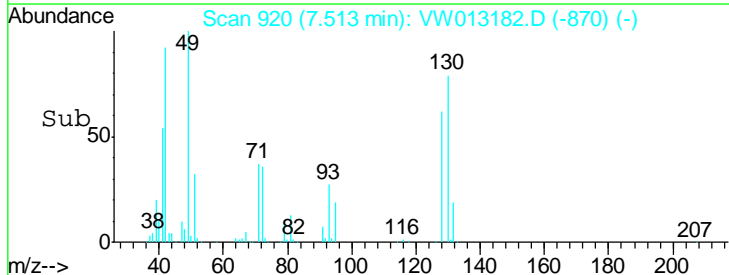


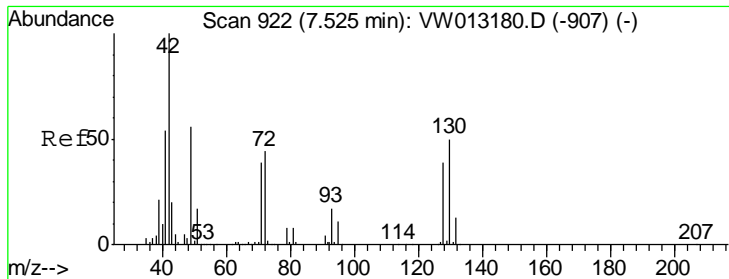
#28
 Bromochloromethane
 Concen: 155.653 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53



Tgt Ion: 49 Resp: 367394

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.0
130	79.2	63.4	95.2





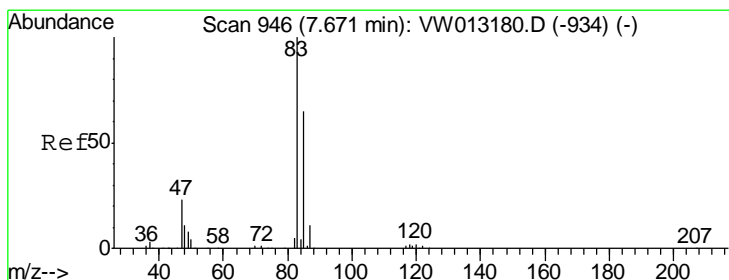
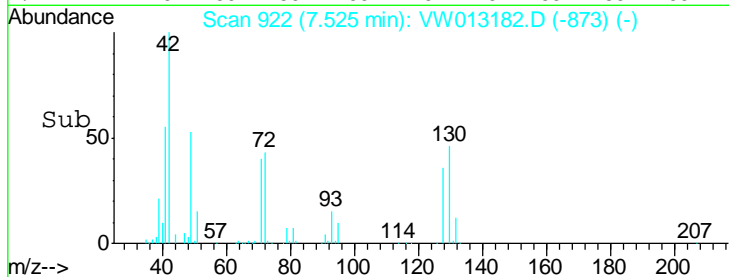
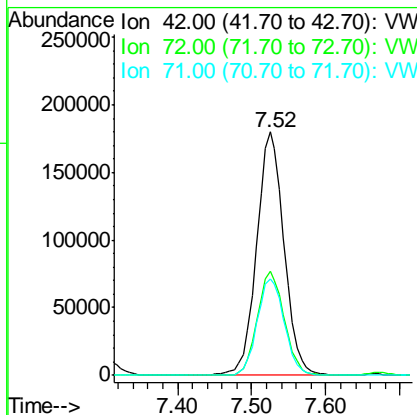
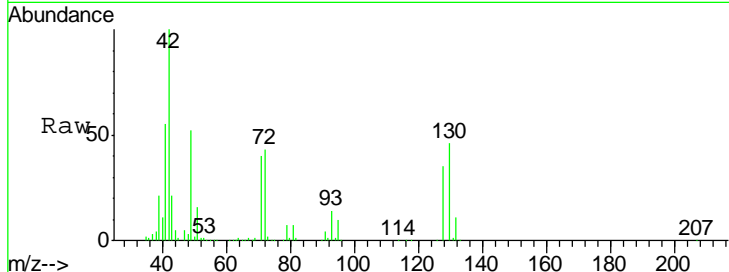
#29
 Tetrahydrofuran
 Concen: 752.885 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.1	33.9	50.9
71	39.4	31.9	47.9

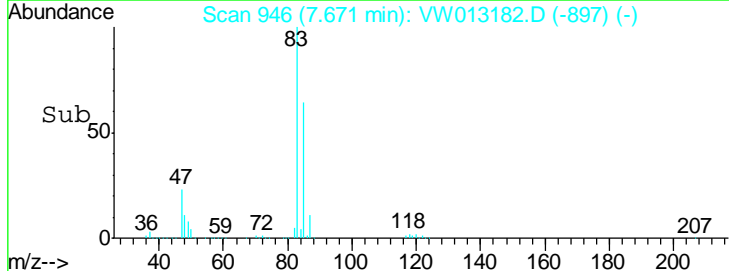
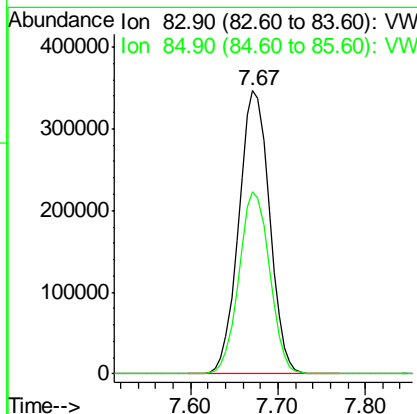
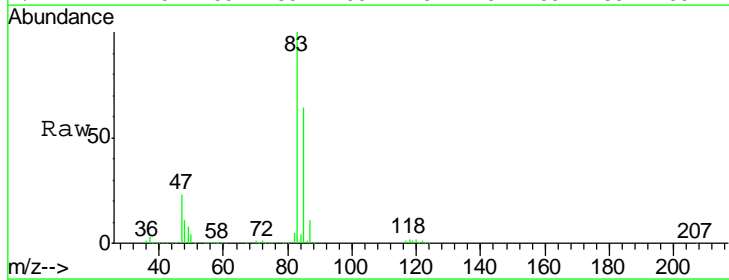
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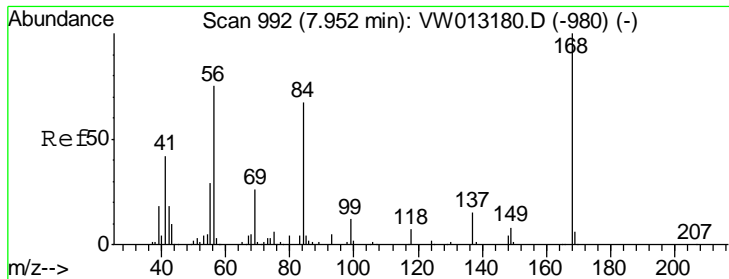
MMDadoda
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#30
 Chloroform
 Concen: 140.918 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.2	52.3	78.5





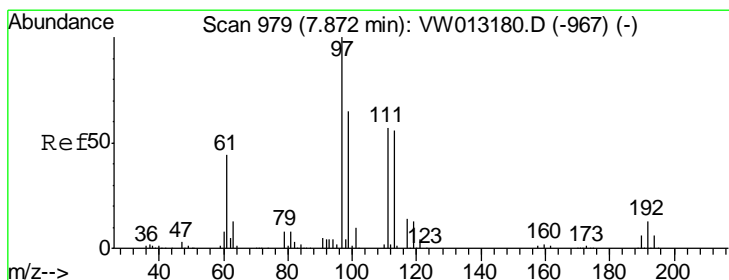
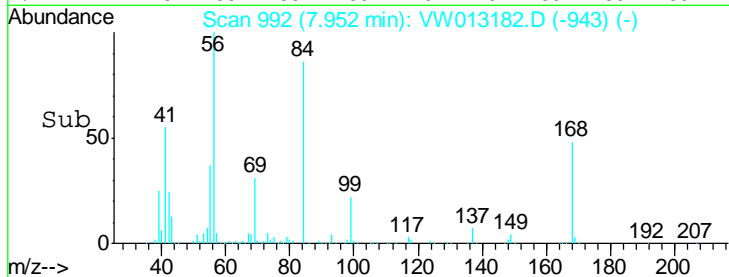
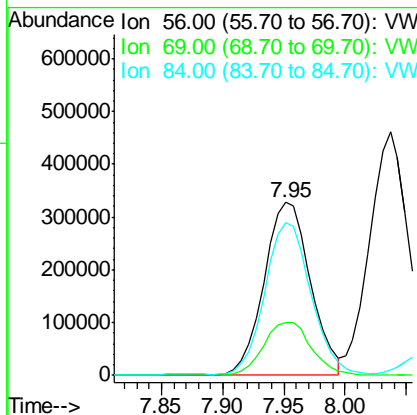
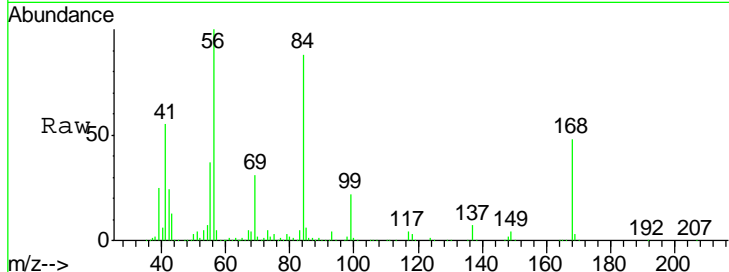
#31
 Cyclohexane
 Concen: 134.949 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.9	27.2	40.8
84	87.1	70.8	106.2

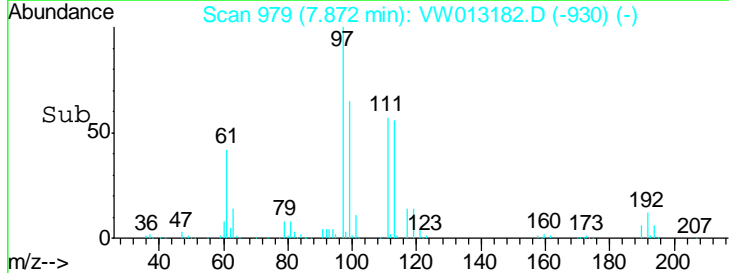
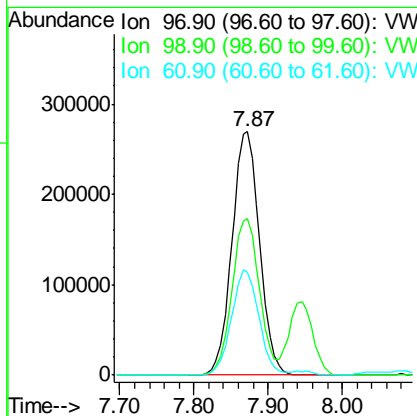
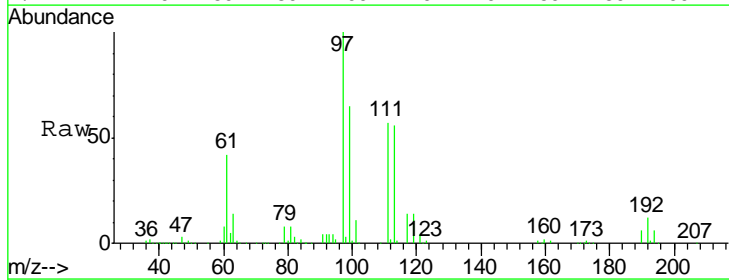
Manual Integrations
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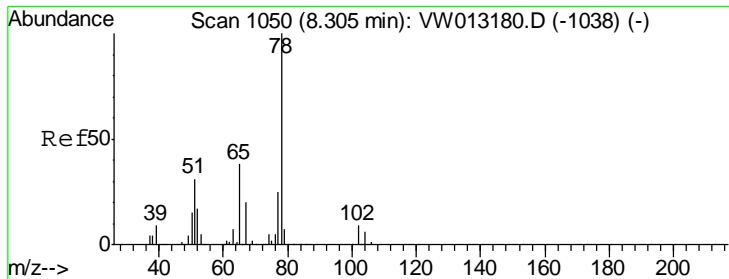
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#32
 1,1,1-Trichloroethane
 Concen: 142.882 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	42.9	34.6	51.8



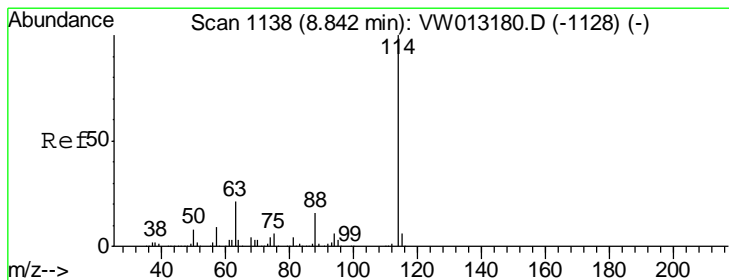
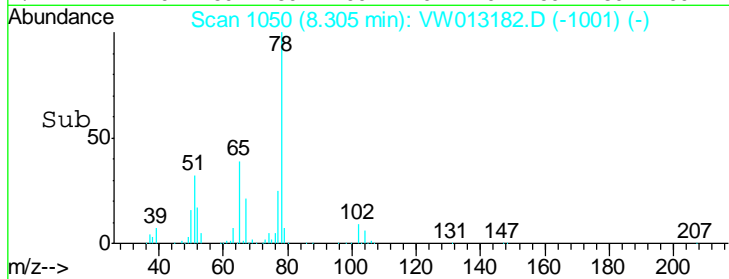
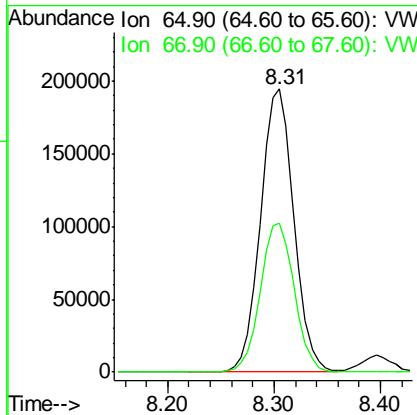
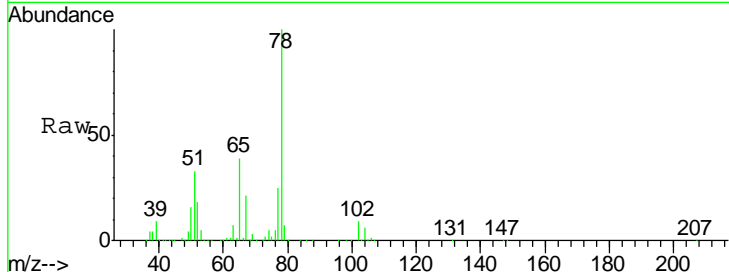


#33
 1,2-Dichloroethane-d4
 Concen: 143.569 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.6	0.0	106.2

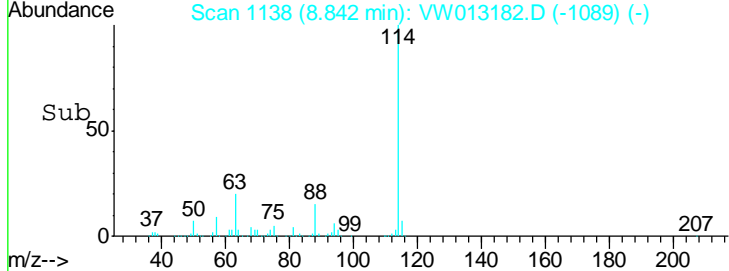
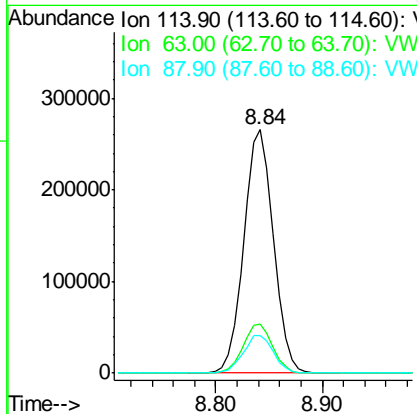
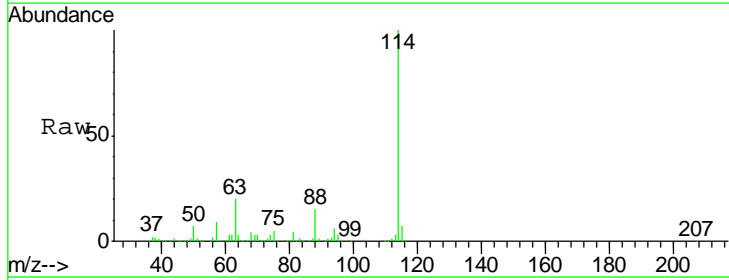
Instrument : MSVOA_W
 ClientSampled : VSTDIC150

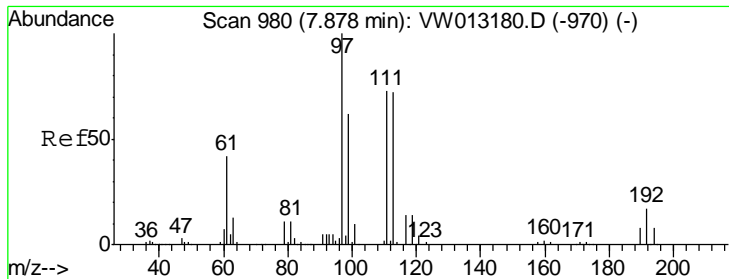
Manual Integrations APPROVED
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

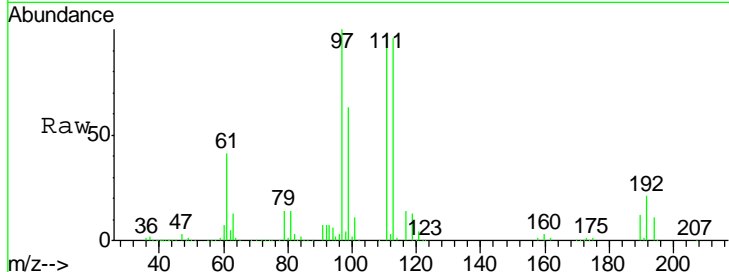
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.1	0.0	41.4
88	15.5	0.0	32.0





#35
 Dibromofluoromethane
 Concen: 147.628 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

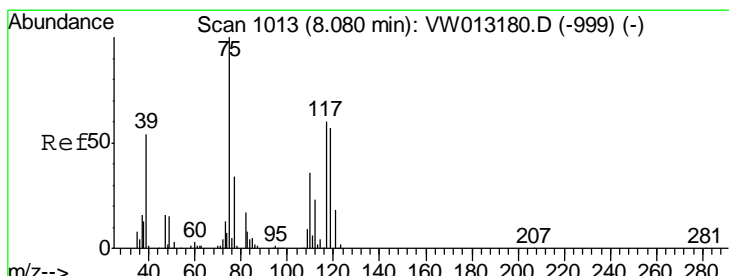
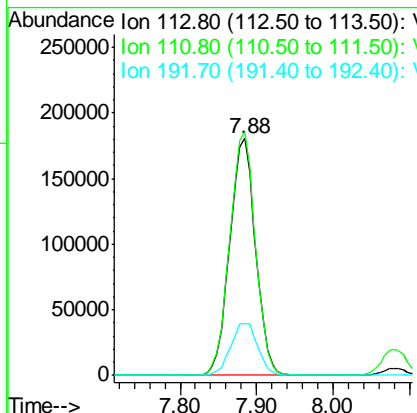
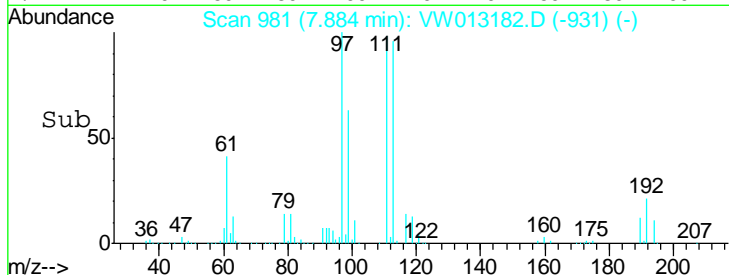
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC150



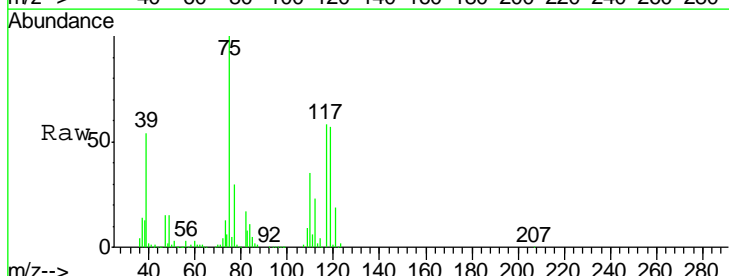
Tgt Ion	Resp	Lower	Upper
113	421193		
113	100		
111	102.5	81.9	122.9
192	23.2	19.1	28.7

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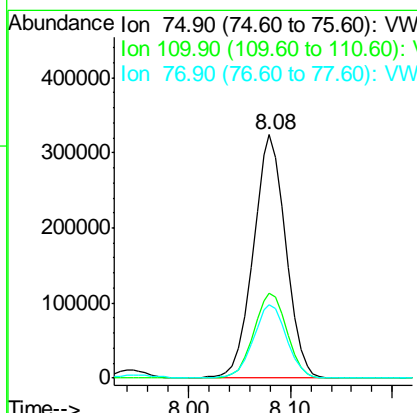
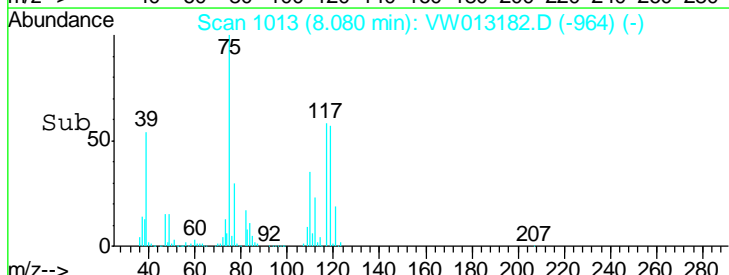
MMDadoda
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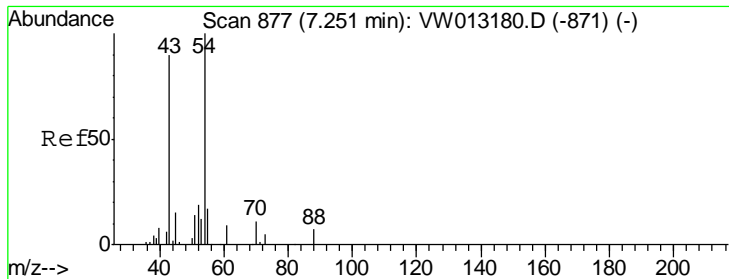


#36
 1,1-Dichloropropene
 Concen: 142.664 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53



Tgt Ion	Resp	Lower	Upper
75	716795		
75	100		
110	35.7	18.1	54.3
77	31.0	25.8	38.6





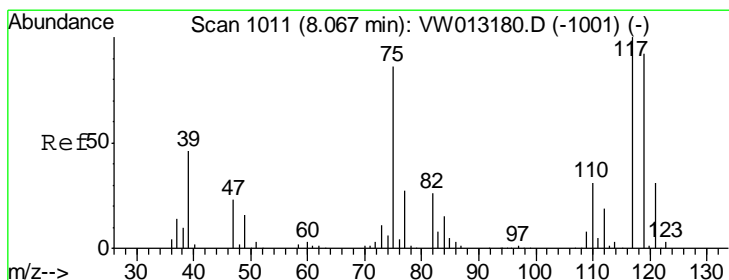
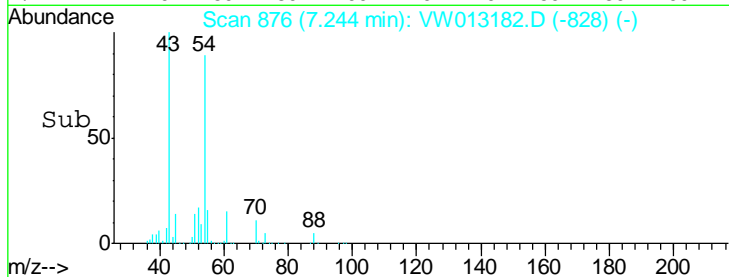
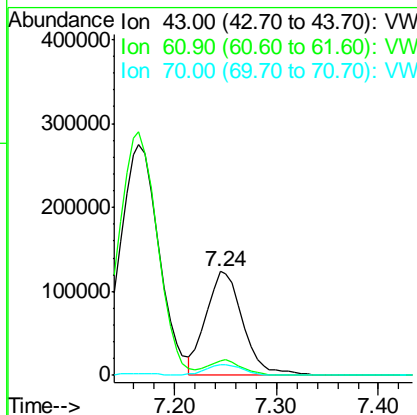
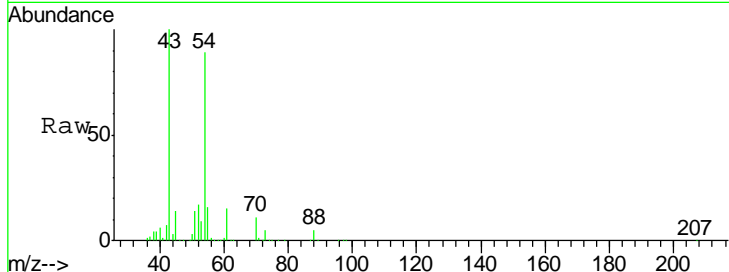
#37
Ethyl Acetate
Concen: 145.319 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.4	8.2	12.2

Instrument : MSVOA_W
Client Sampled : VSTDIC150

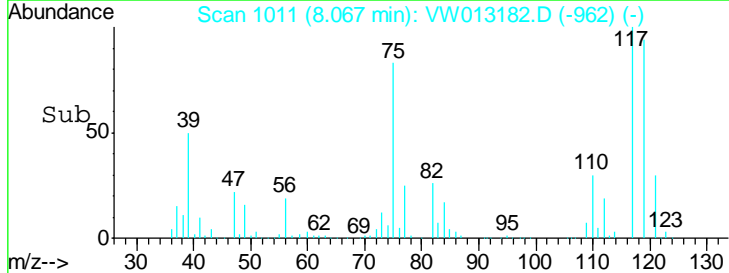
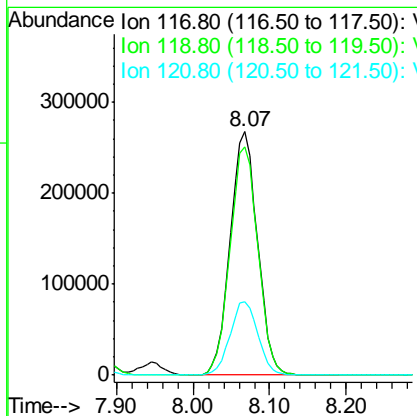
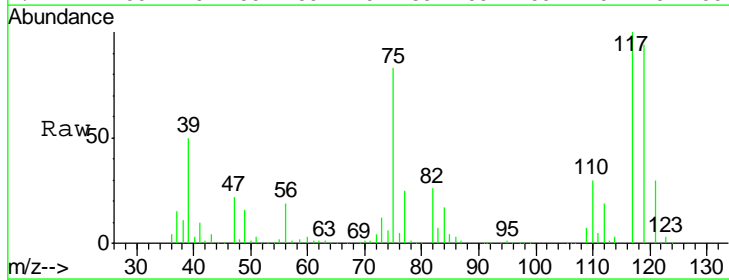
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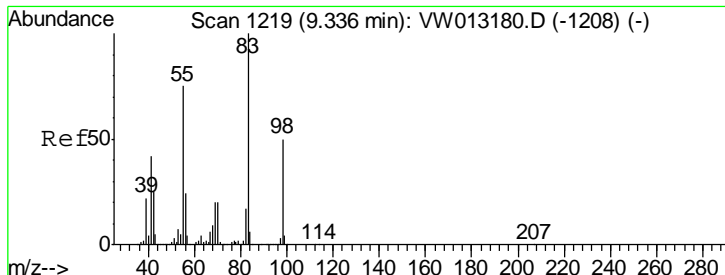
MMDadoda
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#38
Carbon Tetrachloride
Concen: 146.787 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
117	100		
119	93.7	73.5	110.3
121	30.2	25.0	37.6





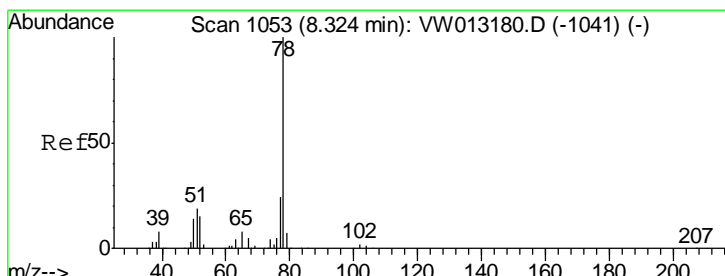
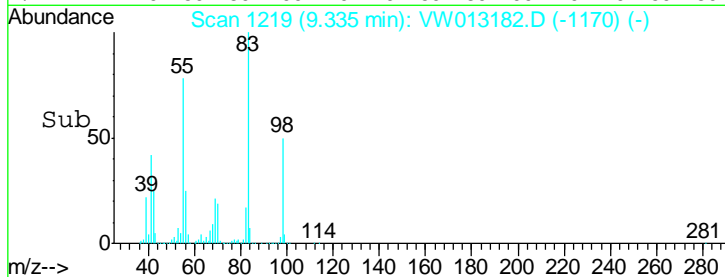
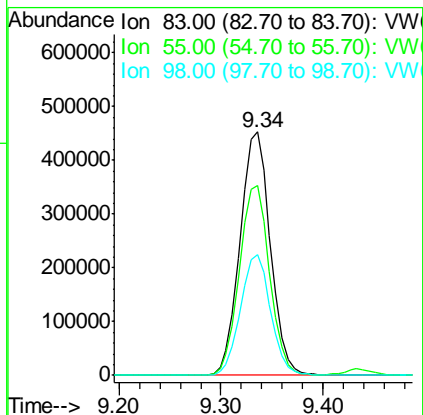
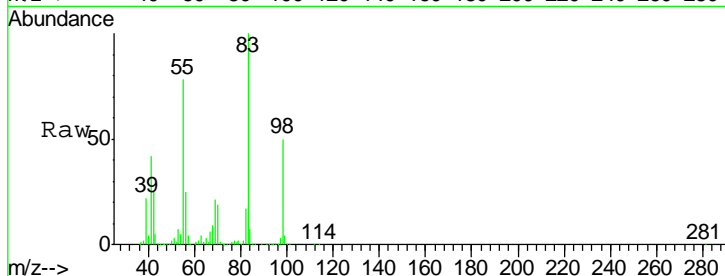
#39
 Methylcyclohexane
 Concen: 145.185 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	937437		
83	100		
55	77.9	60.4	90.6
98	49.6	40.0	60.0

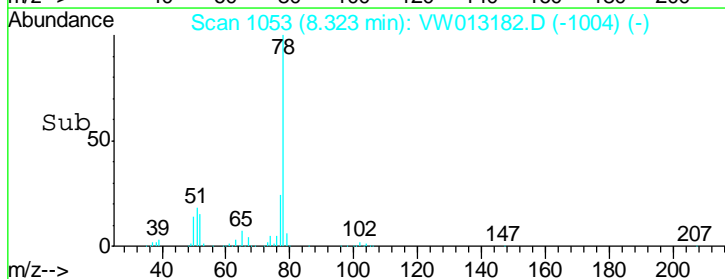
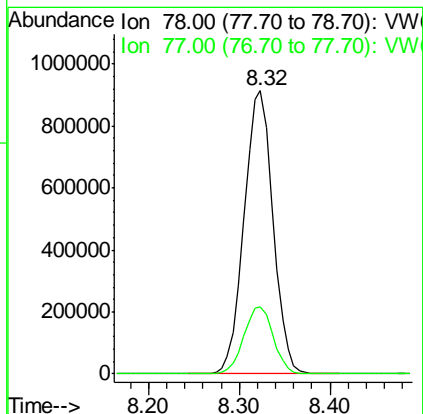
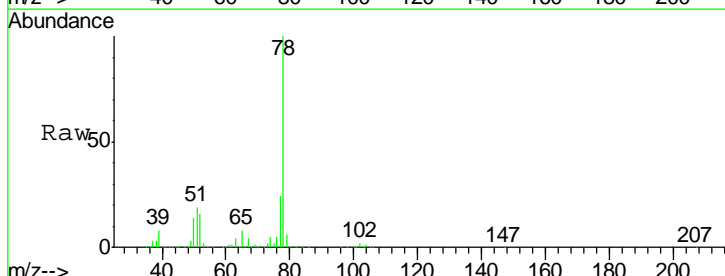
Manual Integrations
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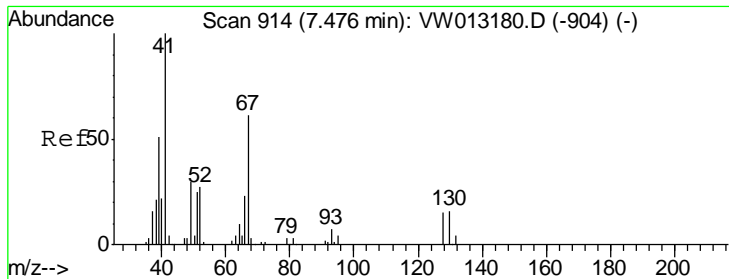
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#40
 Benzene
 Concen: 143.760 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
78	2014718		
78	100		
77	23.7	19.1	28.7





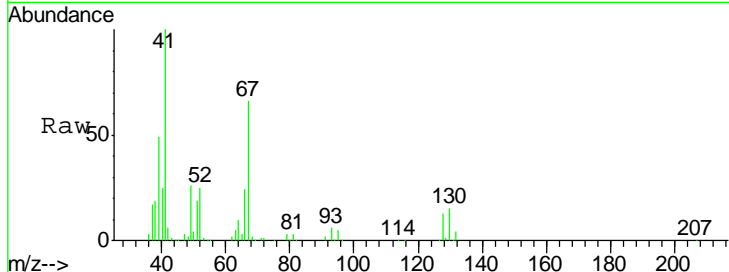
#41
 Methacrylonitrile
 Concen: 158.155 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

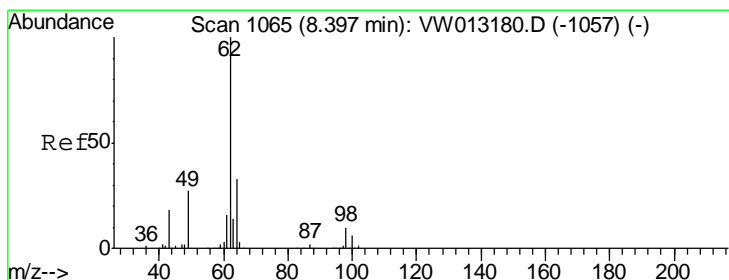
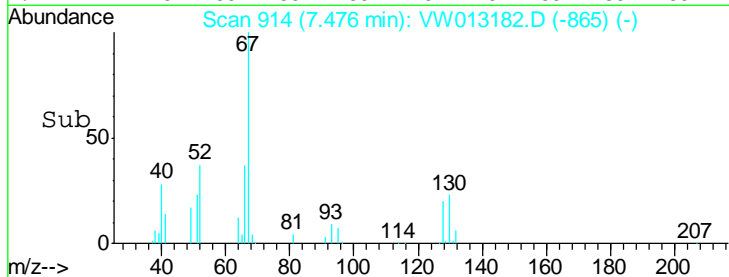
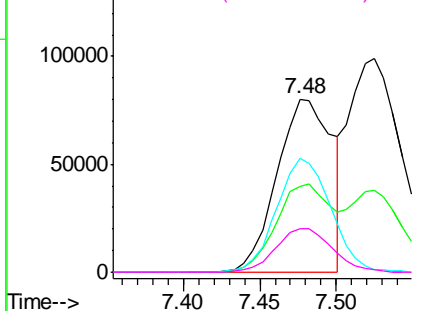
Tgt Ion	Resp	Lower	Upper
41	100		
39	50.6	45.9	68.9
67	64.7	54.5	81.7
52	26.0	22.5	33.7

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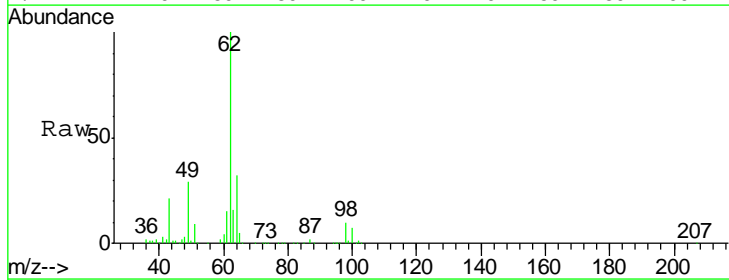


Abundance Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW
 Ion 67.00 (66.70 to 67.70): VW
 Ion 52.00 (51.70 to 52.70): VW

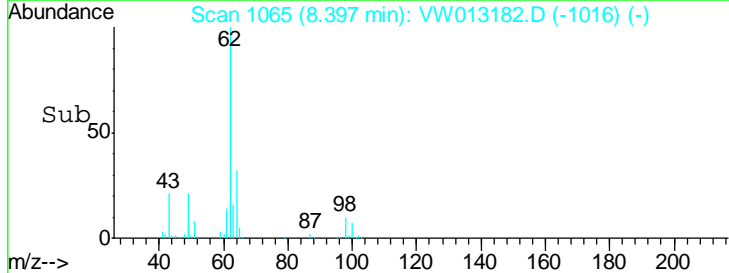
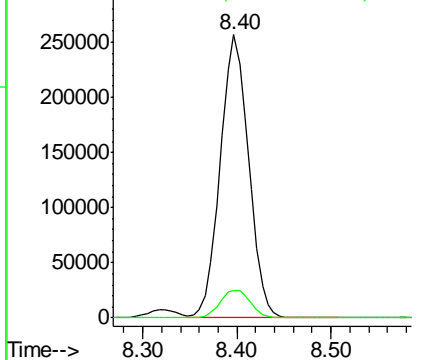


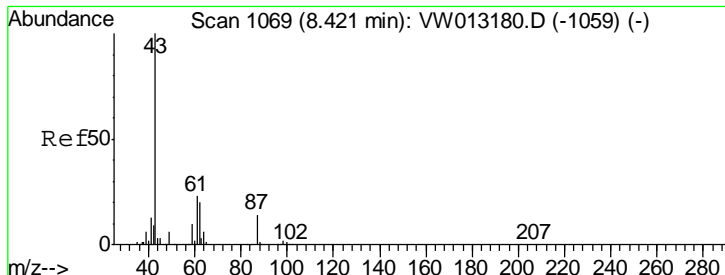
#42
 1,2-Dichloroethane
 Concen: 142.883 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.5	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
 Ion 97.90 (97.60 to 98.60): VW





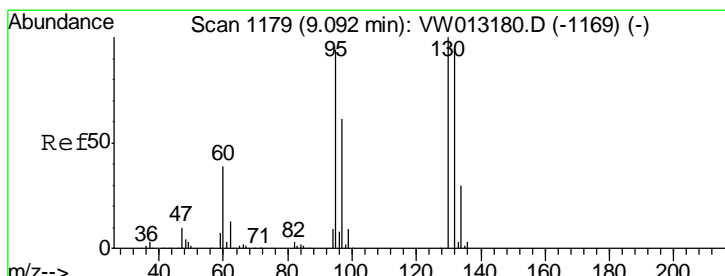
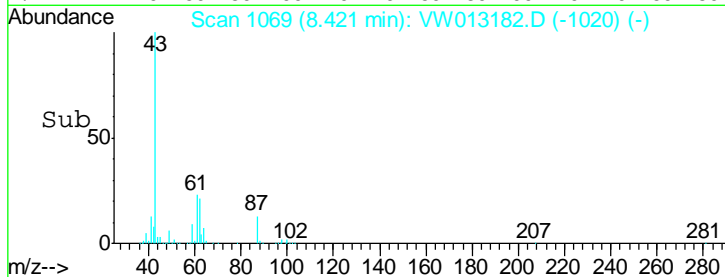
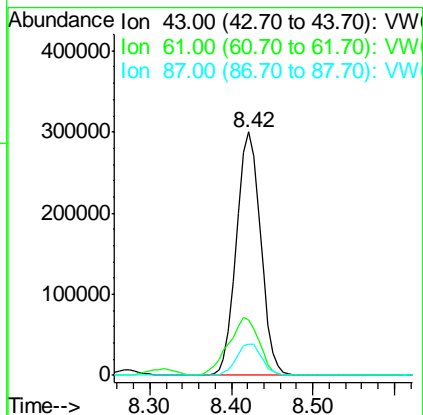
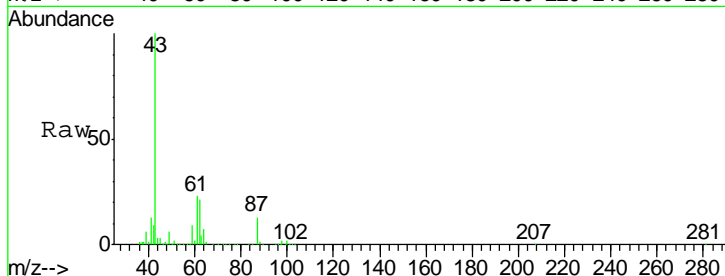
#43
 Isopropyl Acetate
 Concen: 149.719 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.4	25.5	38.3
87	13.5	11.0	16.4

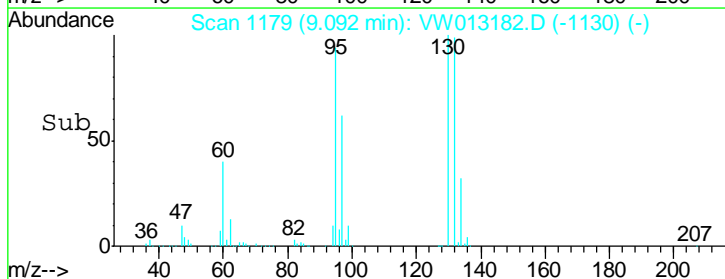
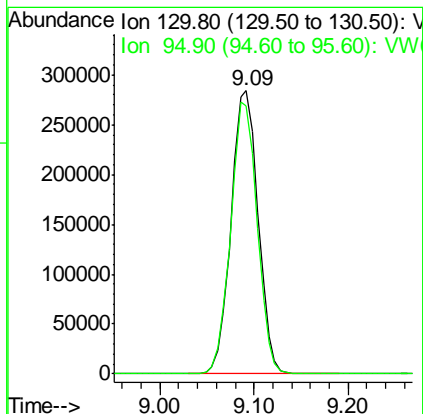
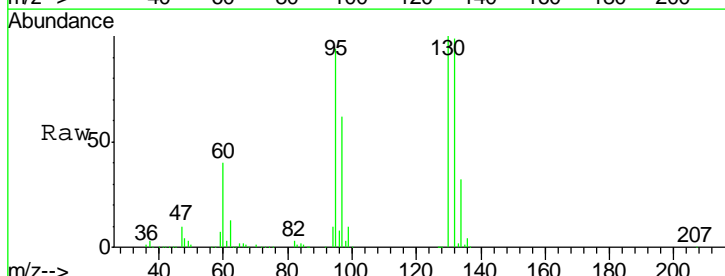
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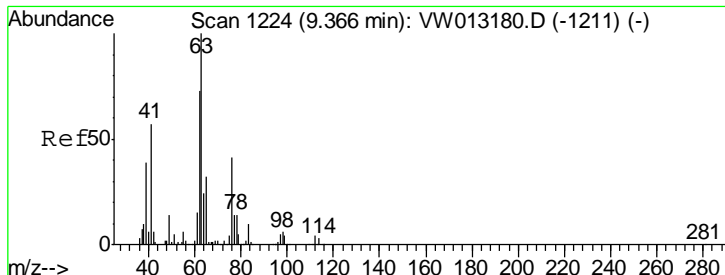
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#44
 Trichloroethene
 Concen: 144.073 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.5	0.0	188.0





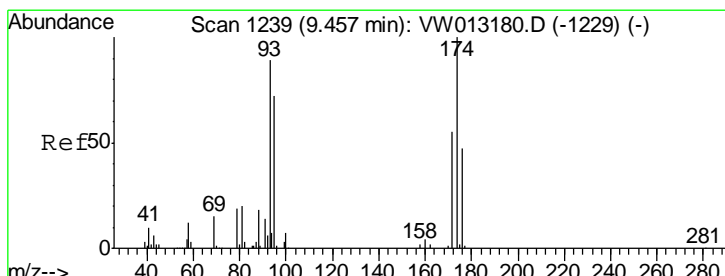
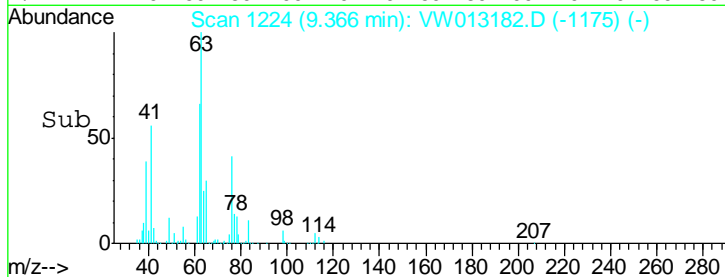
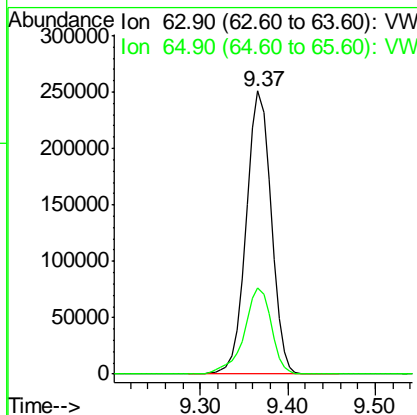
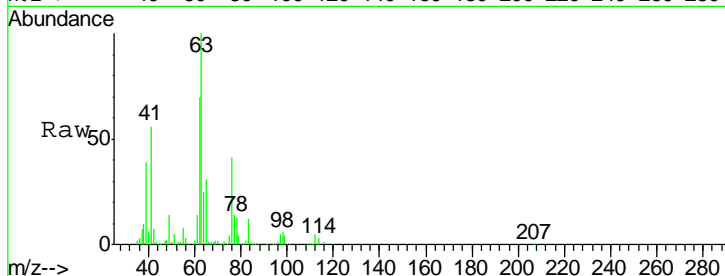
#45
 1,2-Dichloropropane
 Concen: 145.117 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.6	25.3	37.9

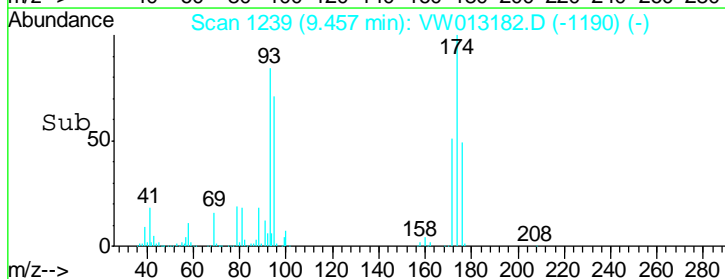
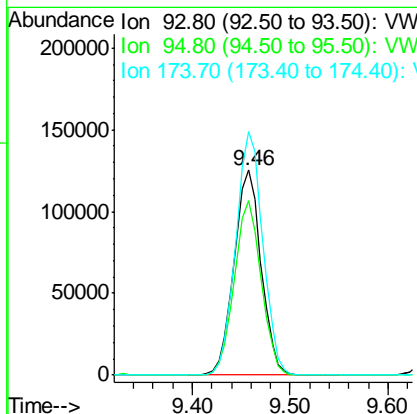
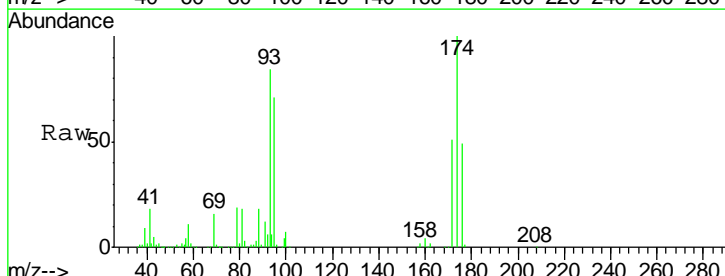
Manual Integrations
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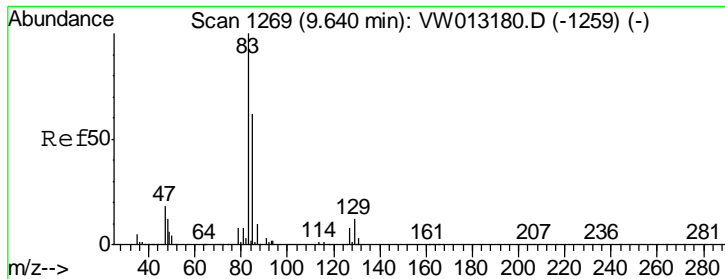
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#46
 Dibromomethane
 Concen: 144.779 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.6	66.4	99.6
174	119.2	93.0	139.6





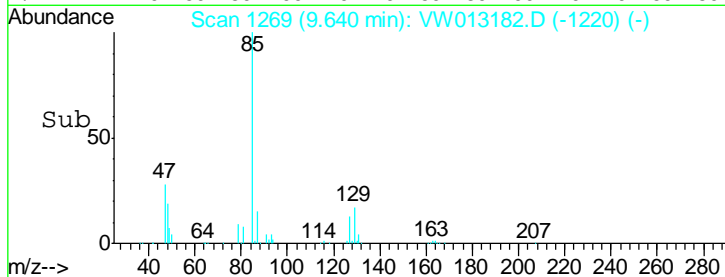
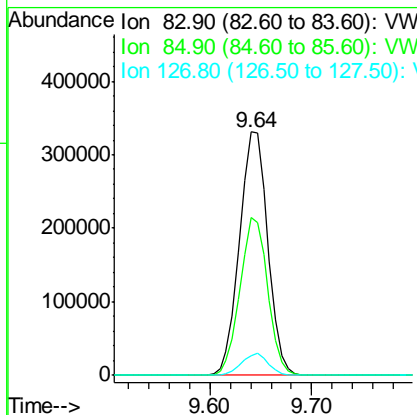
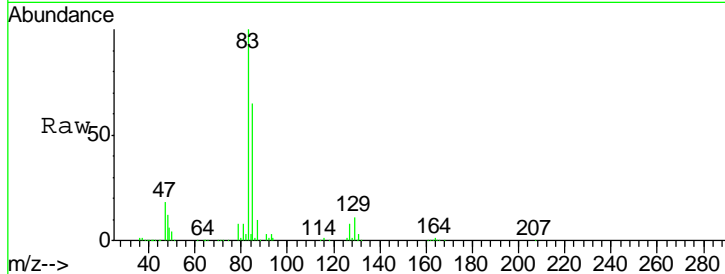
#47
 Bromodichloromethane
 Concen: 150.635 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	636710		
85	65.0	49.4	74.2
127	8.3	6.5	9.7

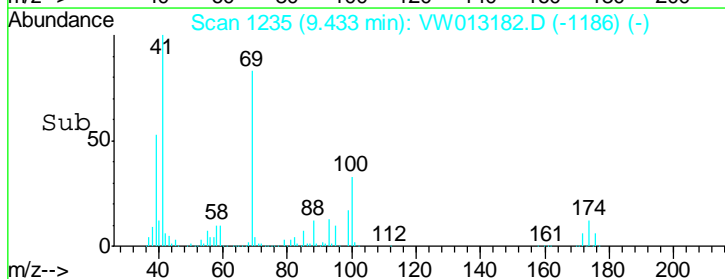
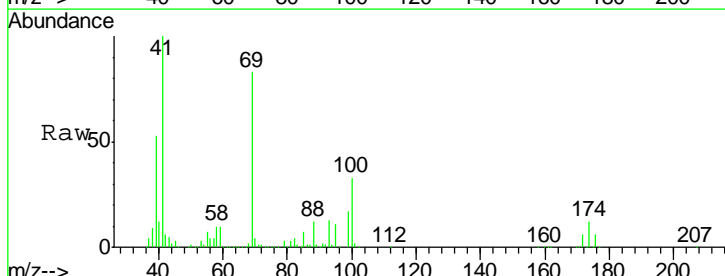
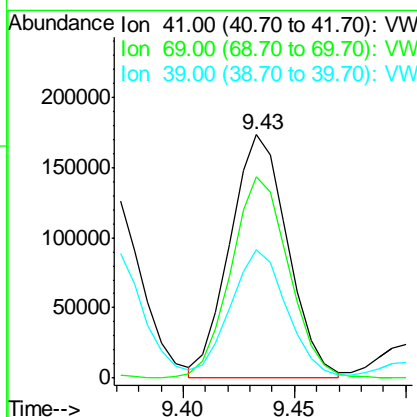
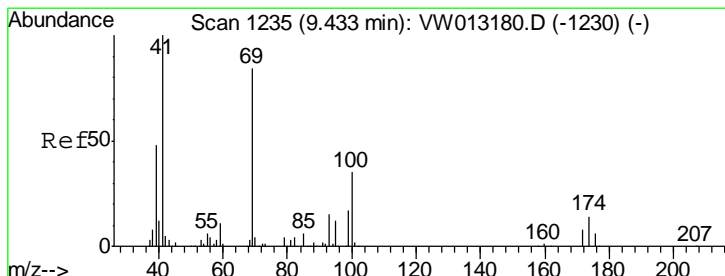
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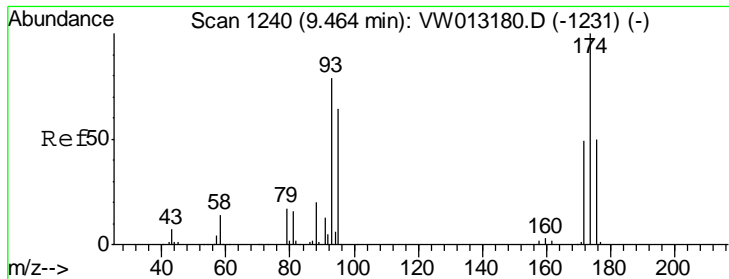
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#48
 Methyl methacrylate
 Concen: 161.586 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
41	310963		
69	83.6	69.7	104.5
39	49.6	41.1	61.7





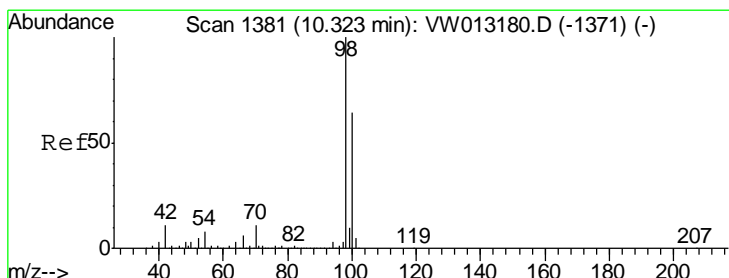
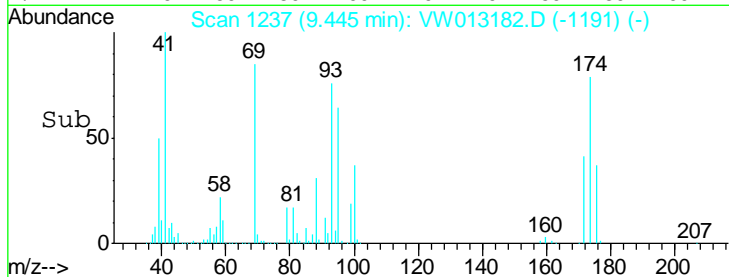
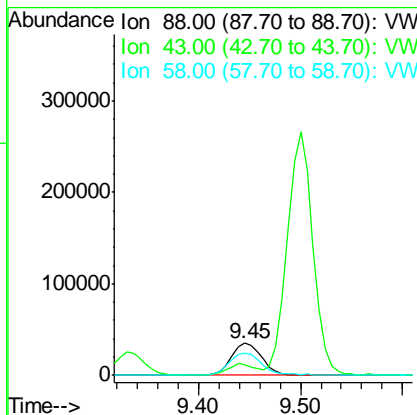
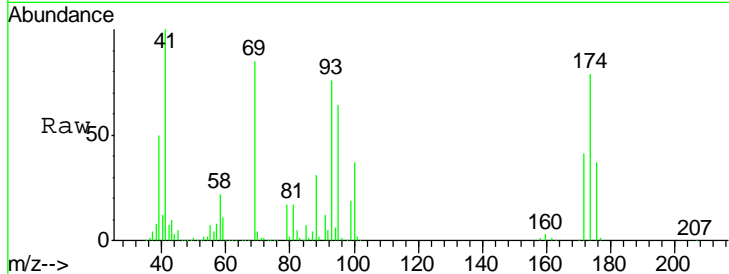
#49
 1,4-Dioxane
 Concen: 2922.507 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.02 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
88	72872		
88	100		
43	33.4	0.0	0.0#
58	74.8	65.4	98.0

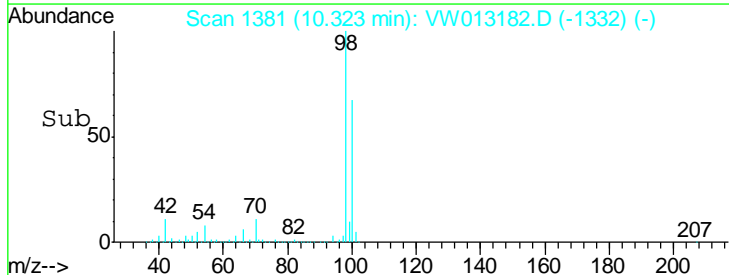
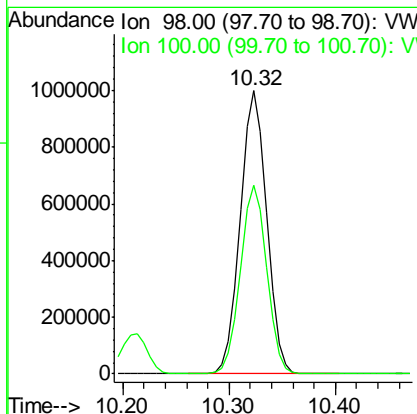
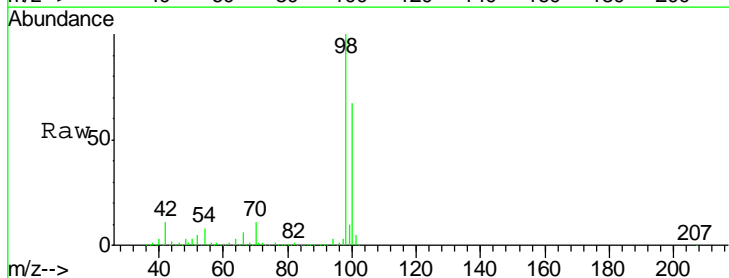
Manual Integrations
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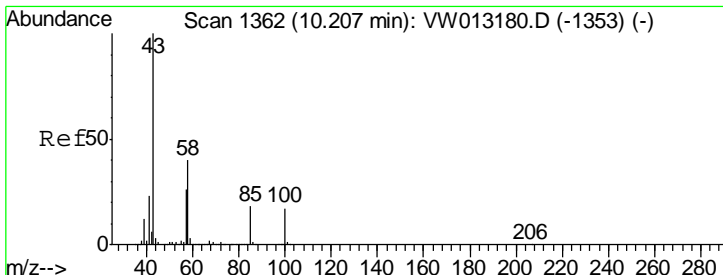
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#50
 Toluene-d8
 Concen: 146.029 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
98	1743654		
98	100		
100	66.5	52.9	79.3



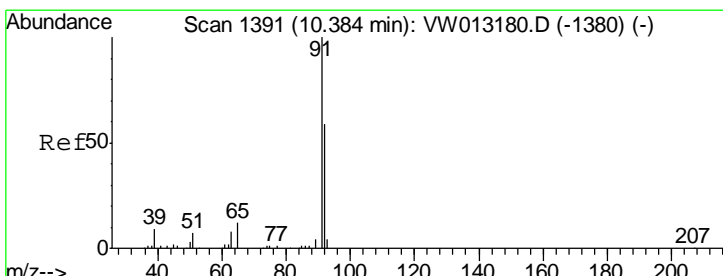
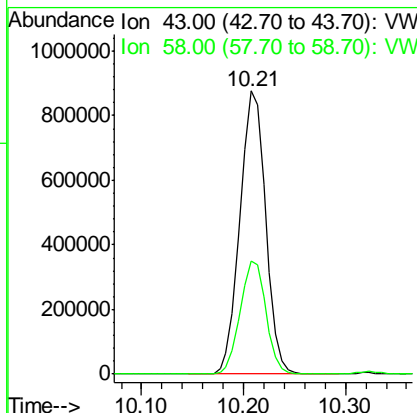
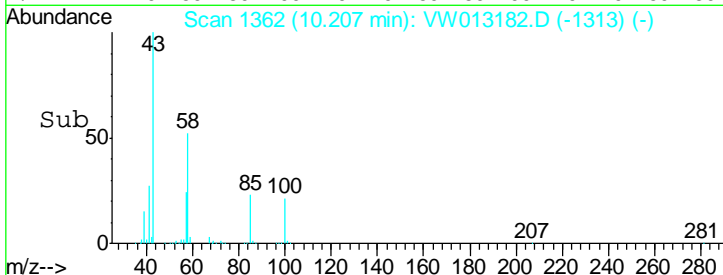
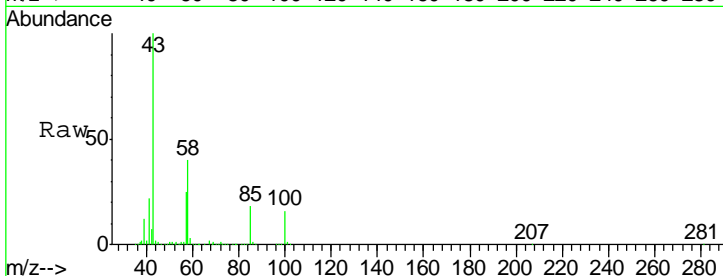


#51
4-Methyl-2-Pentanone
Concen: 747.477 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.1	31.7	47.5

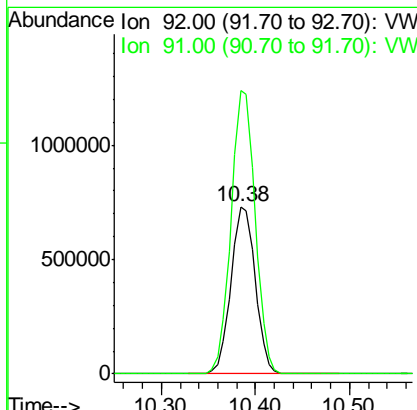
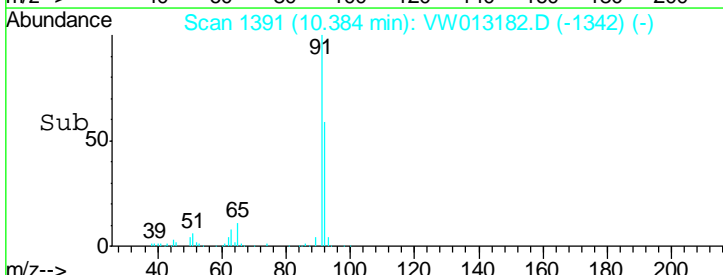
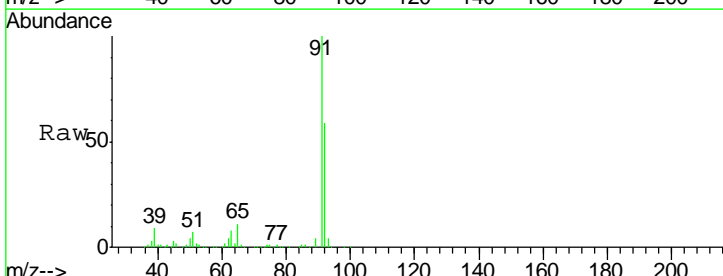
Instrument : MSVOA_W
Client Sampled : VSTDIC150

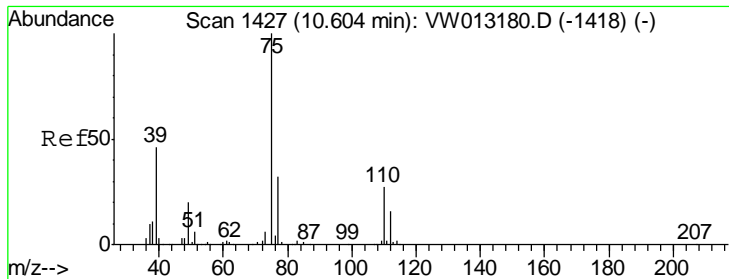
Manual Integrations APPROVED
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#52
Toluene
Concen: 145.263 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
92	100		
91	168.7	135.7	203.5





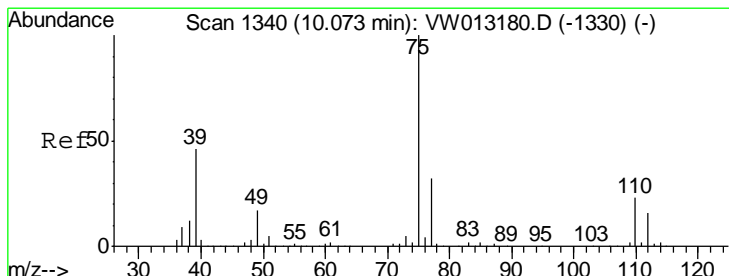
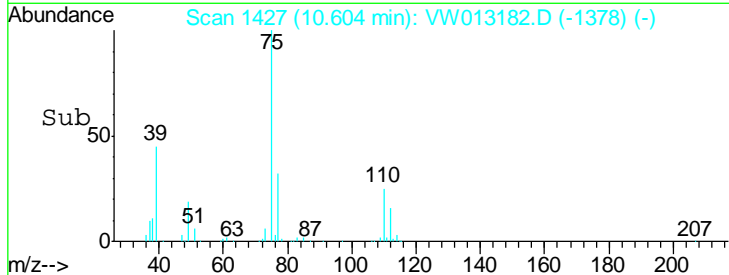
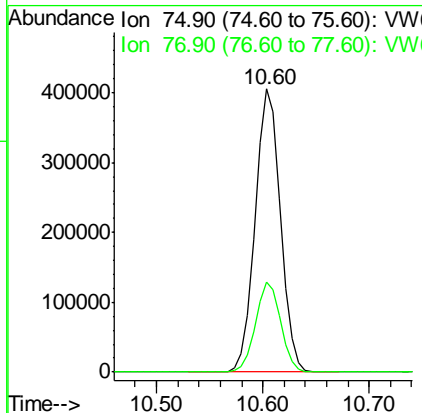
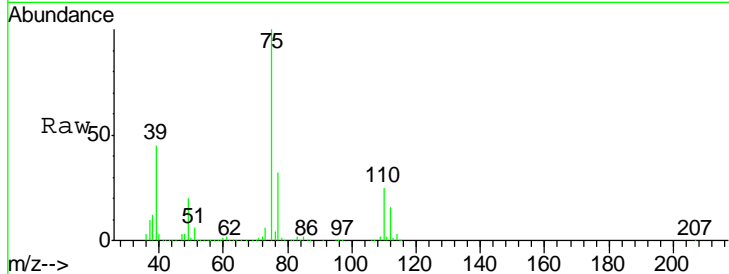
#53
 t-1,3-Dichloropropene
 Concen: 155.473 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	675162		
75	100		
77	31.9	25.5	38.3

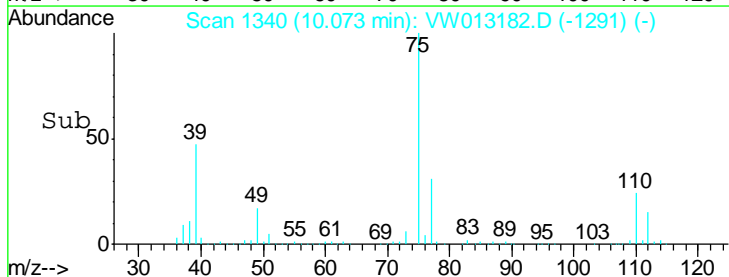
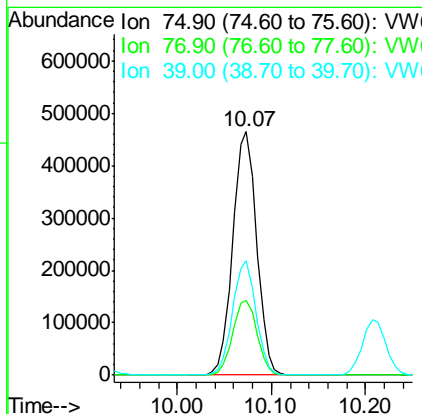
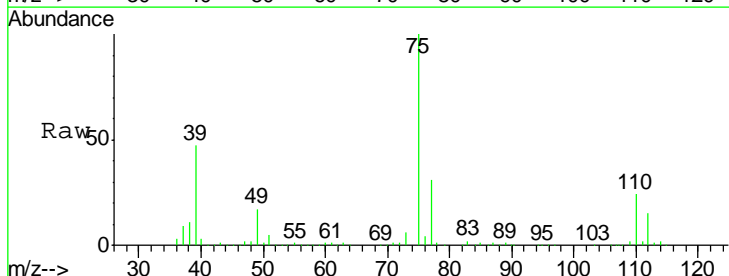
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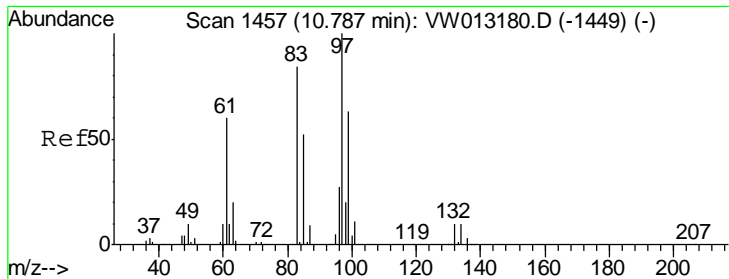
MMDadoda
 9/24/2019 5:28:49 AM



#54
 cis-1,3-Dichloropropene
 Concen: 154.959 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
75	818199		
75	100		
77	30.7	25.2	37.8
39	46.7	36.6	55.0





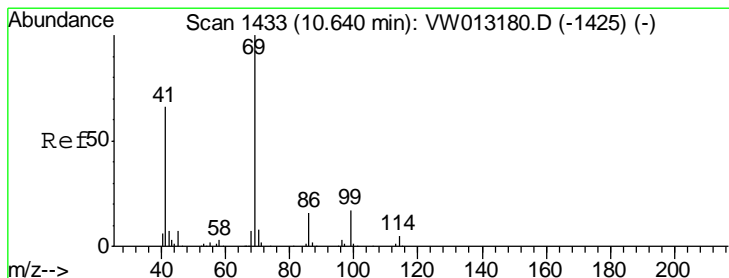
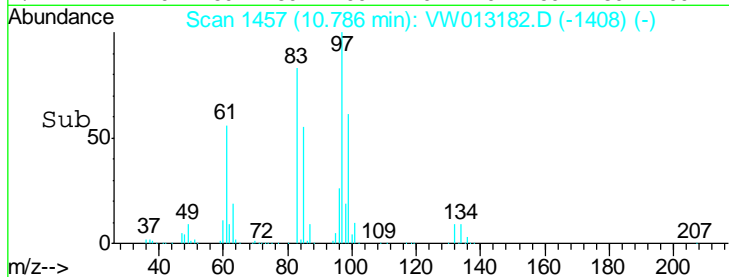
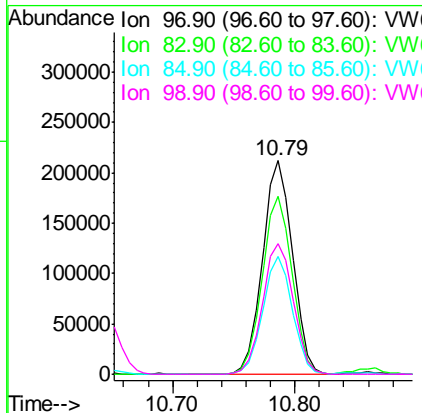
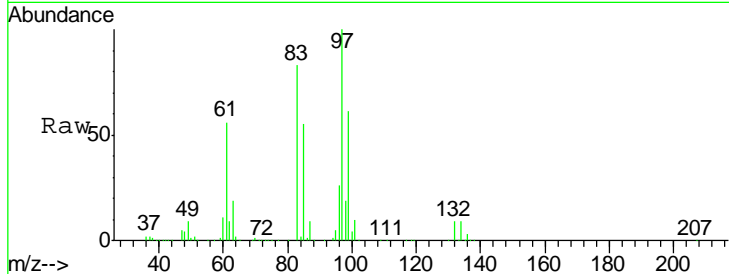
#55
 1,1,2-Trichloroethane
 Concen: 146.059 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
97	100		
83	83.5	67.6	101.4
85	54.9	41.9	62.9
99	61.2	50.1	75.1

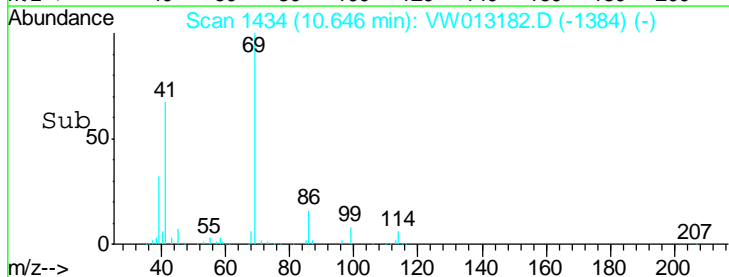
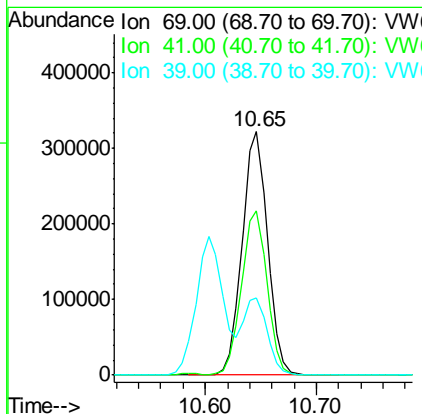
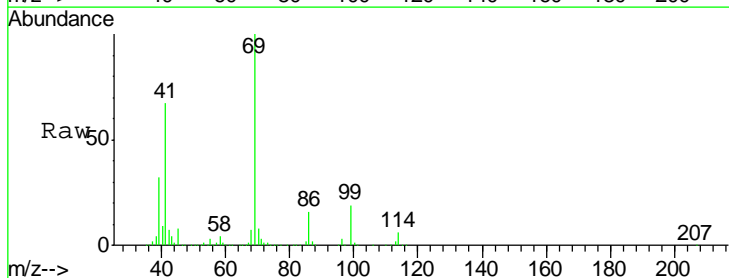
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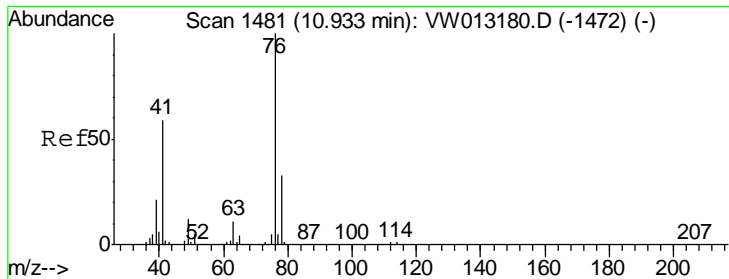
MMDadoda
 9/24/2019 5:28:49 AM



#56
 Ethyl methacrylate
 Concen: 156.852 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
69	100		
41	67.8	53.9	80.9
39	29.4	23.8	35.6





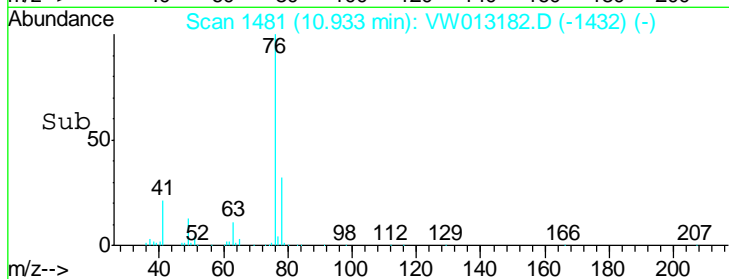
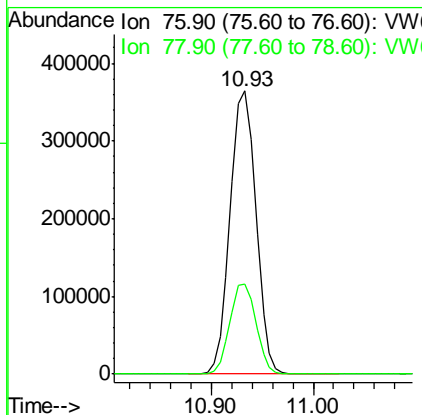
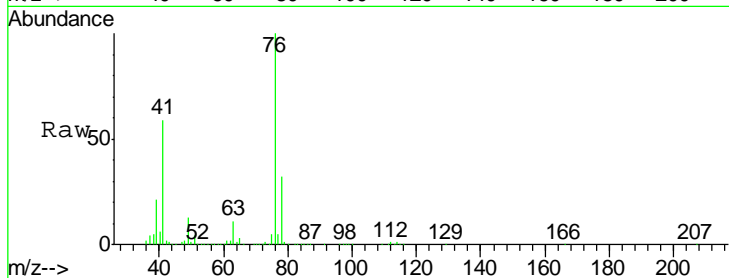
#57
 1,3-Dichloropropane
 Concen: 147.289 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	638161		
76	100		
78	32.2	25.5	38.3

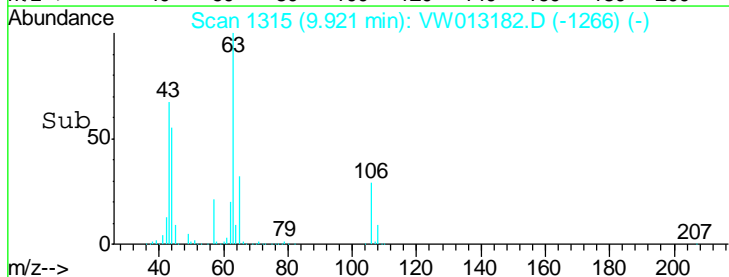
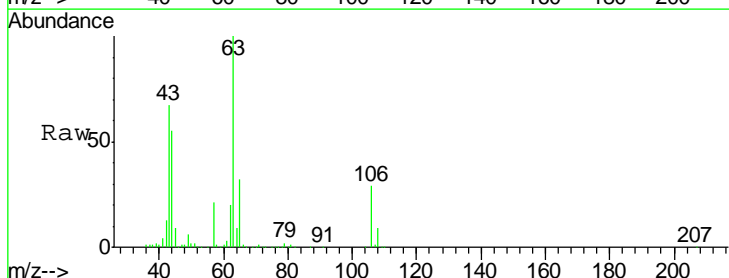
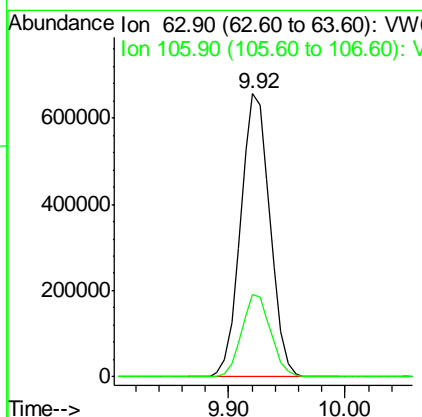
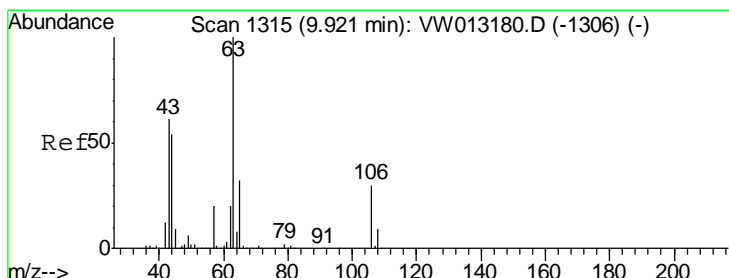
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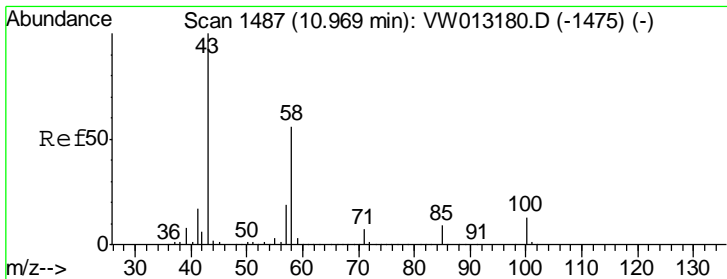
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 9/24/2019 5:28:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 764.671 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
63	1150289		
63	100		
106	28.8	23.4	35.0





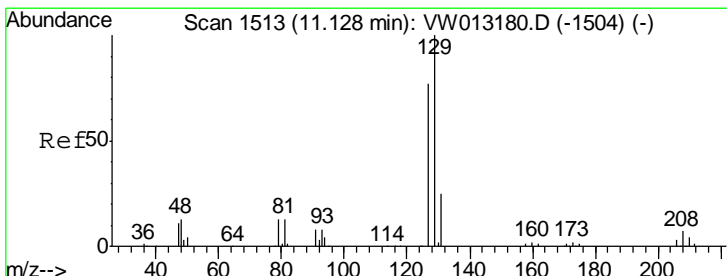
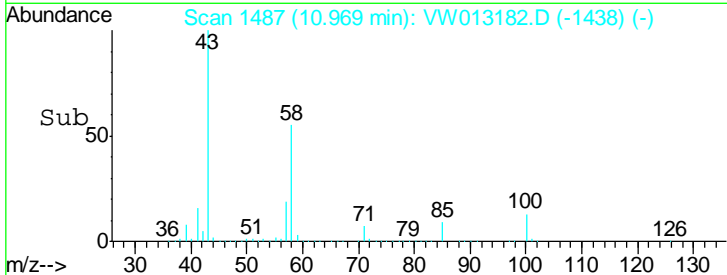
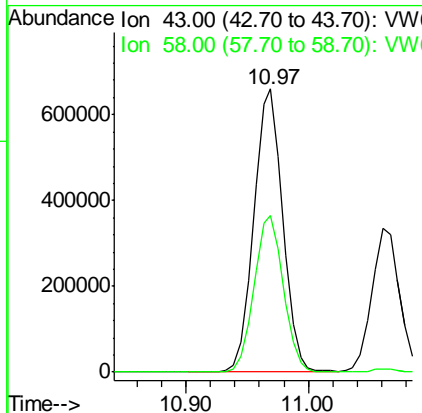
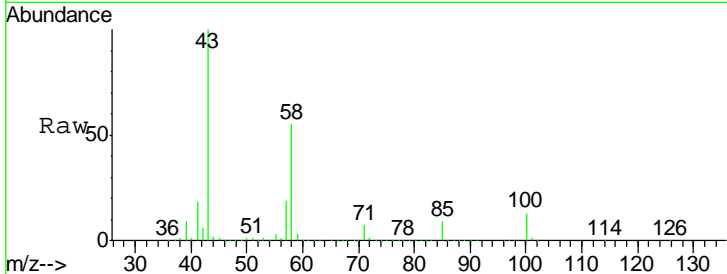
#59
 2-Hexanone
 Concen: 769.299 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICC150

Tgt Ion	Resp	Lower	Upper
43	1085921		
58	56.0	28.1	84.2

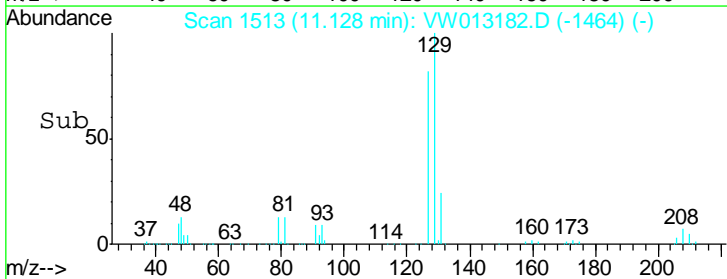
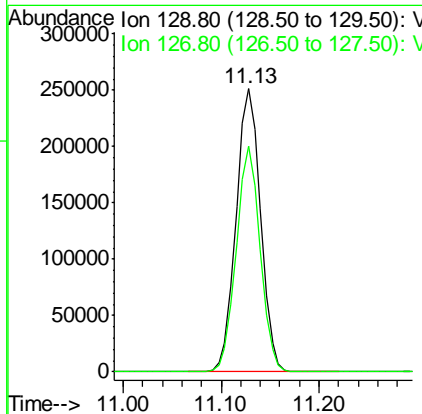
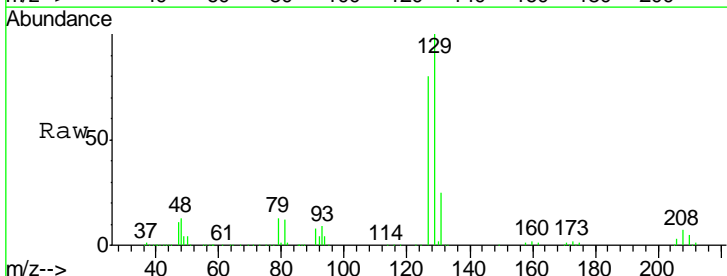
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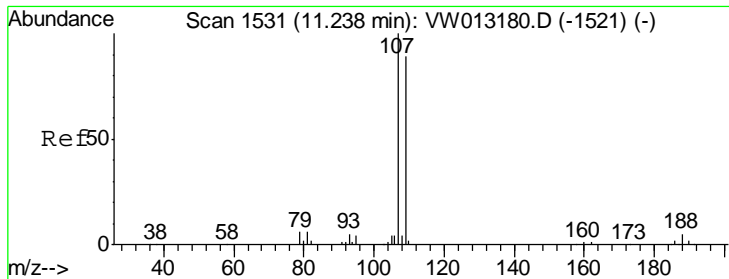
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#60
 Dibromochloromethane
 Concen: 155.134 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
129	437363		
127	77.6	38.8	116.4





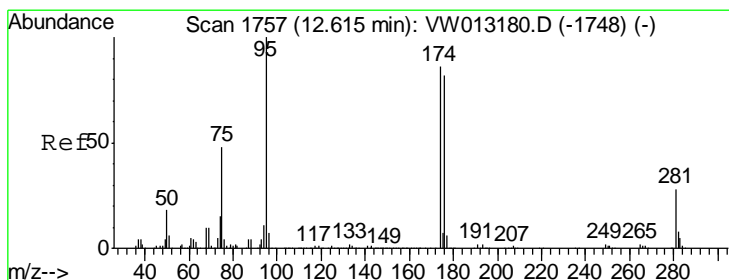
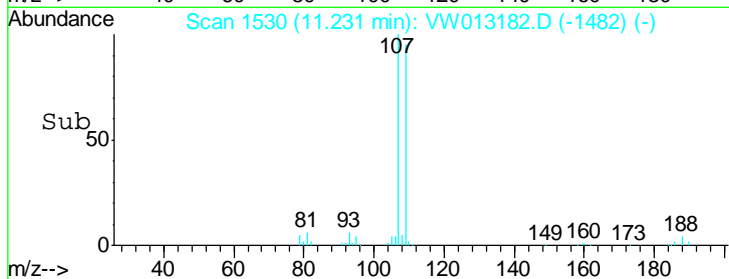
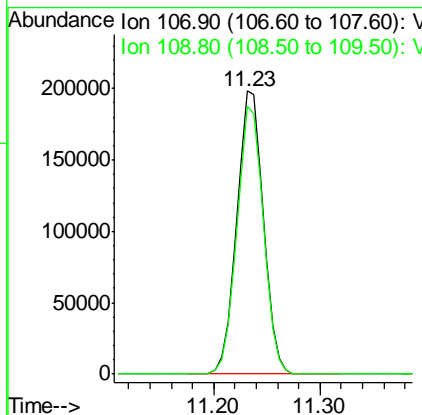
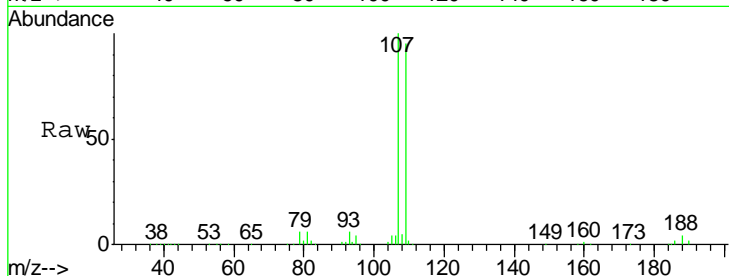
#61
 1,2-Dibromoethane
 Concen: 147.733 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.3	75.2	112.8

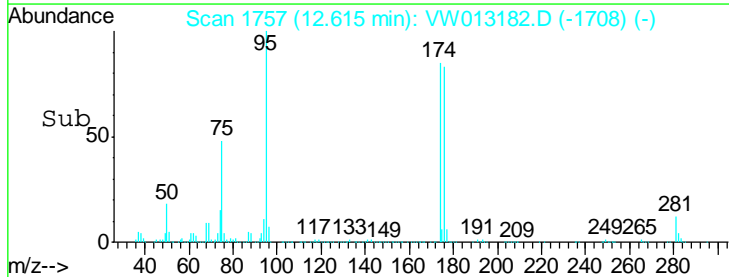
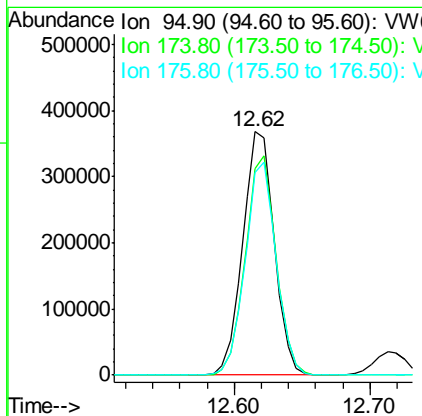
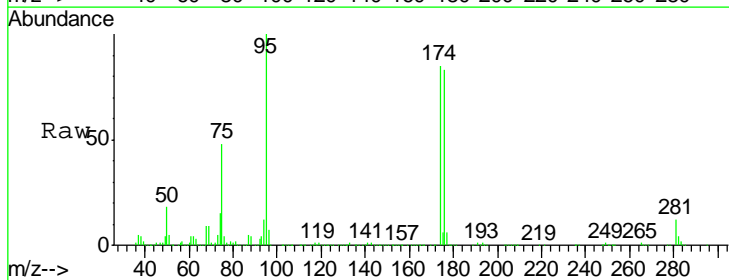
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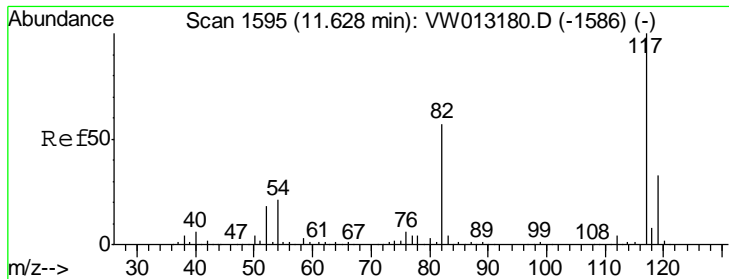
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#62
 4-Bromofluorobenzene
 Concen: 145.811 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.4	0.0	178.4
176	86.2	0.0	172.2





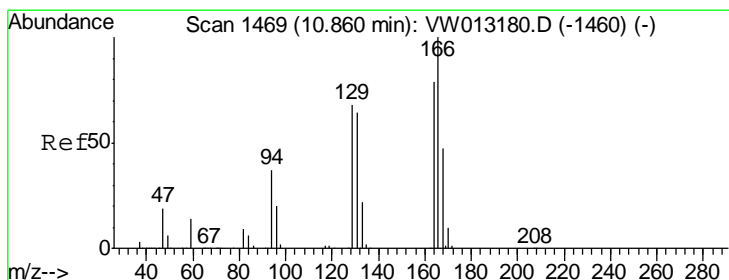
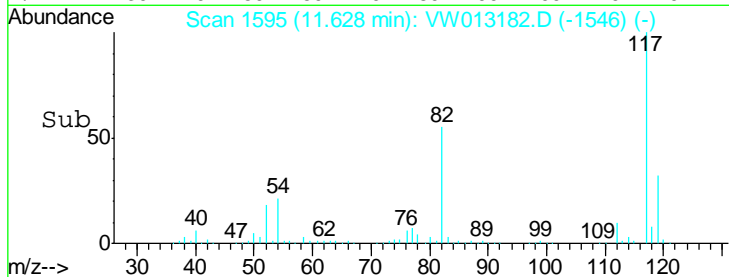
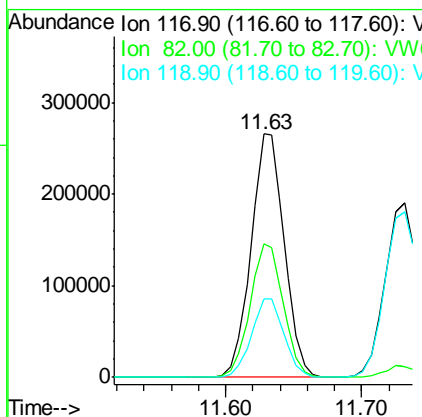
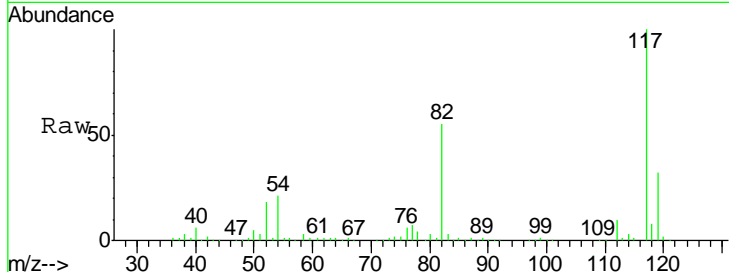
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
117	453748		
82	55.1	45.9	68.9
119	32.2	26.2	39.2

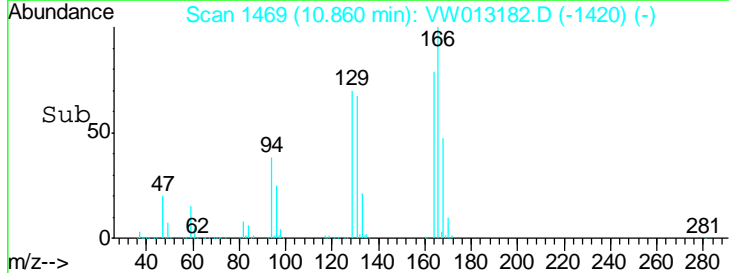
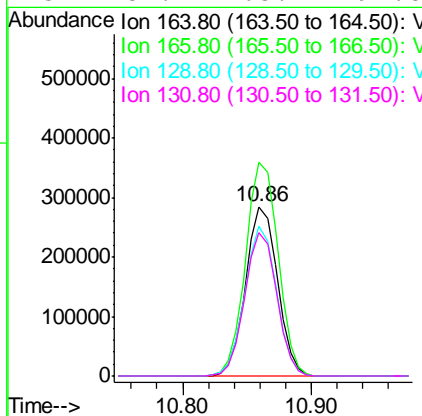
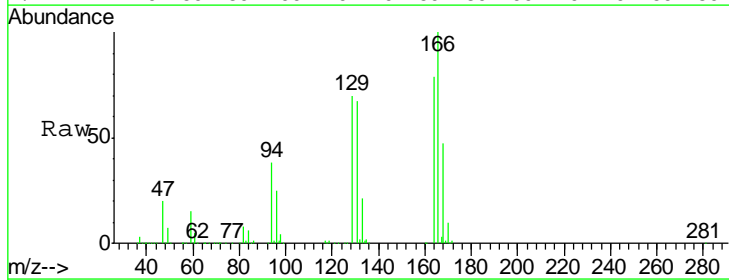
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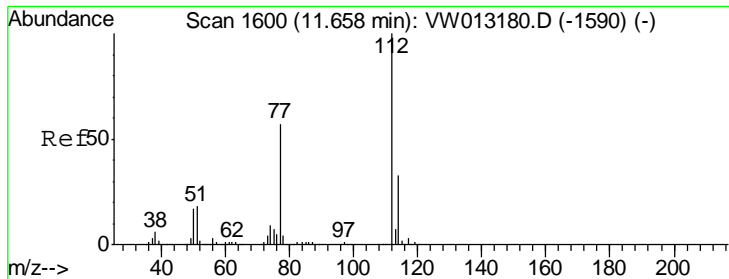
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#64
 Tetrachloroethene
 Concen: 140.964 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
164	485303		
166	126.0	101.2	151.8
129	88.2	68.8	103.2
131	84.4	65.2	97.8





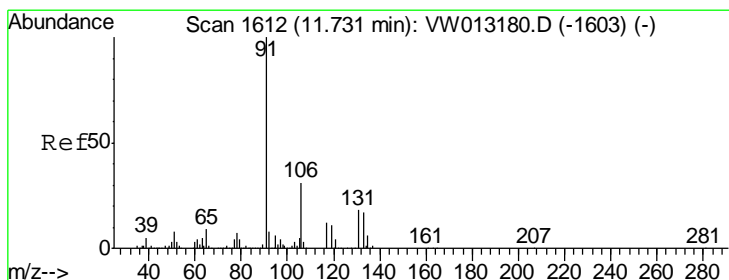
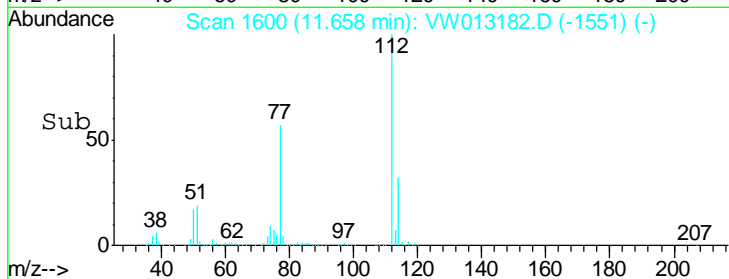
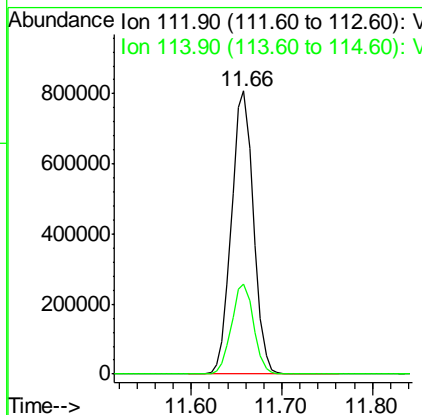
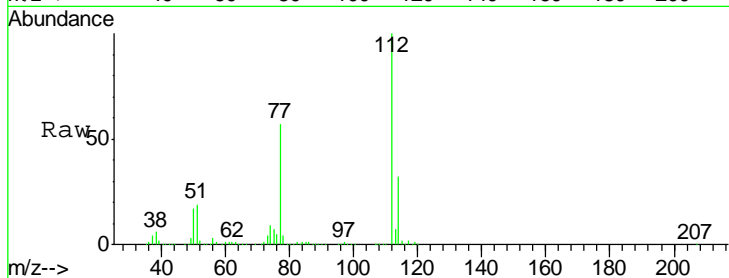
#65
 Chlorobenzene
 Concen: 143.379 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion: 112 Resp: 1358539
 Ion Ratio Lower Upper
 112 100
 114 31.7 26.5 39.7

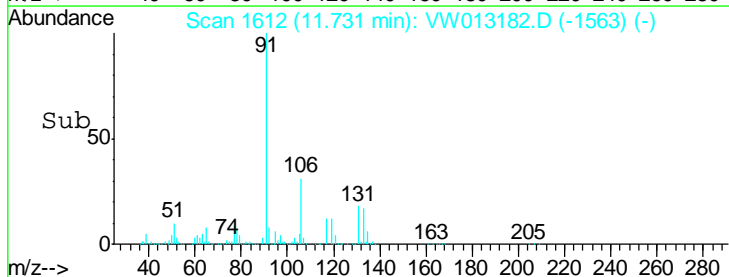
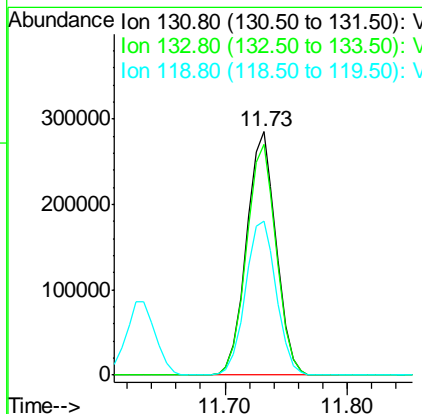
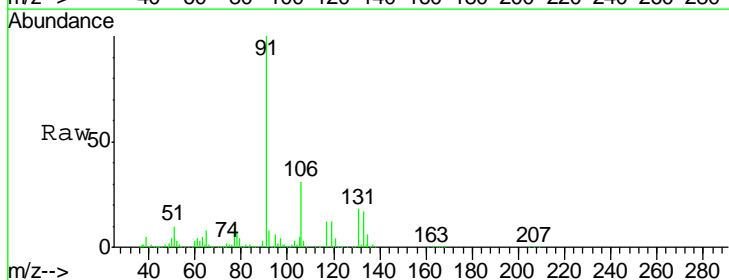
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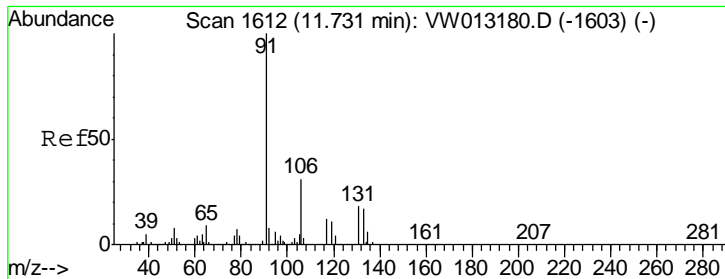
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 147.860 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion: 131 Resp: 478627
 Ion Ratio Lower Upper
 131 100
 133 95.4 47.5 142.6
 119 65.7 32.5 97.5





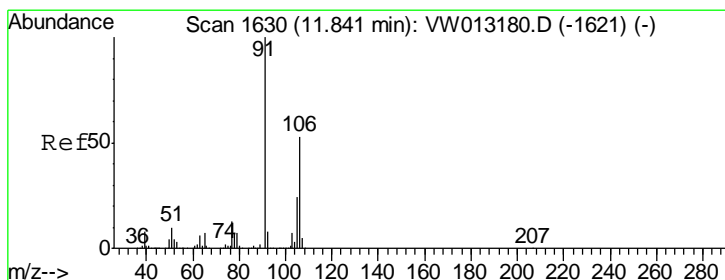
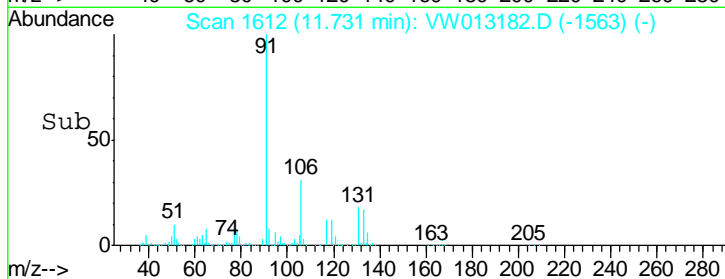
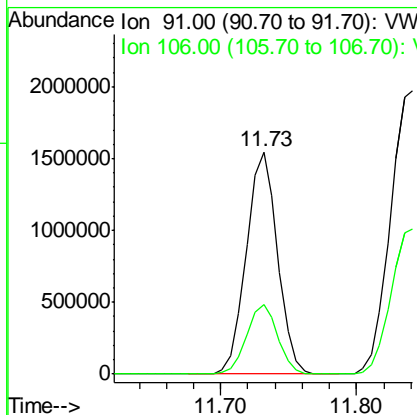
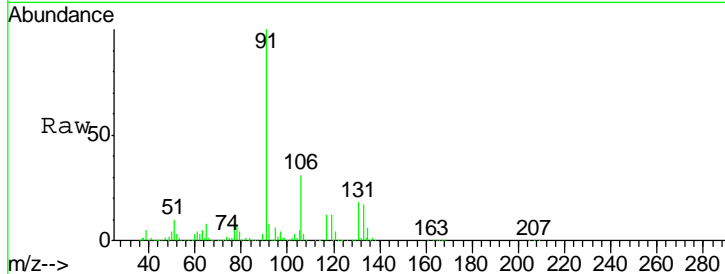
#67
Ethyl Benzene
Concen: 144.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.4	24.9	37.3

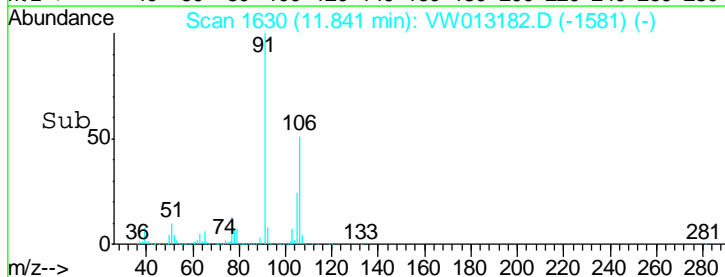
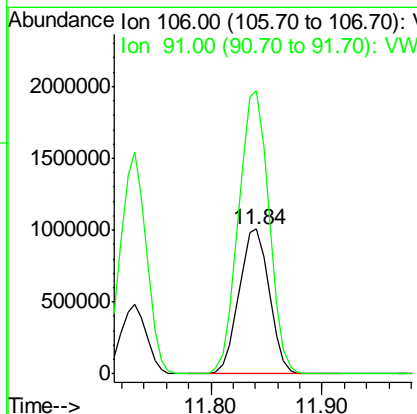
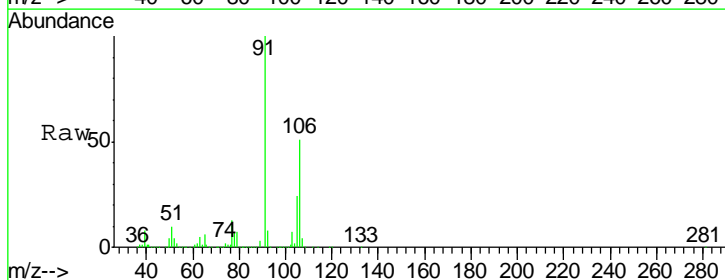
Manual Integrations
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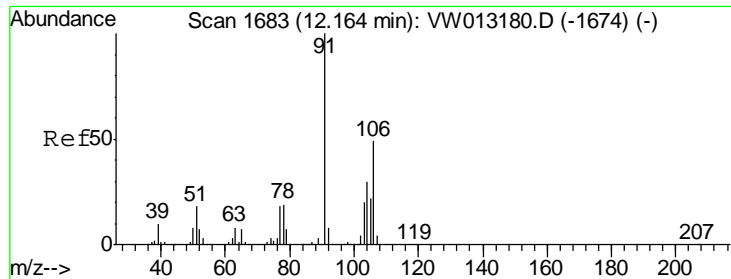
MMDadoda
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#68
m/p-Xylenes
Concen: 289.860 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
106	100		
91	197.0	157.9	236.9





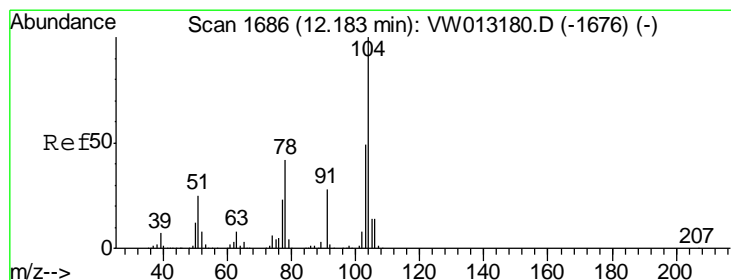
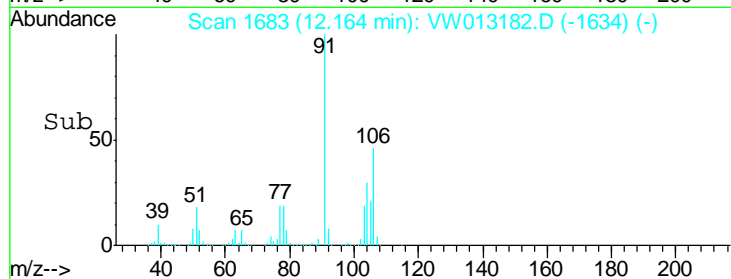
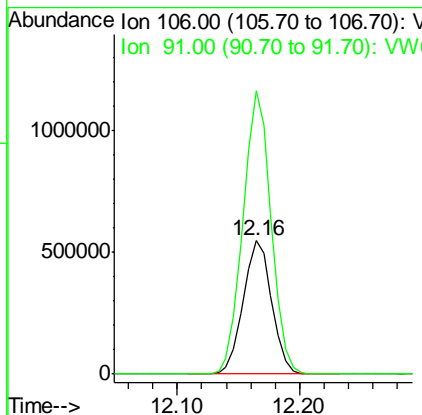
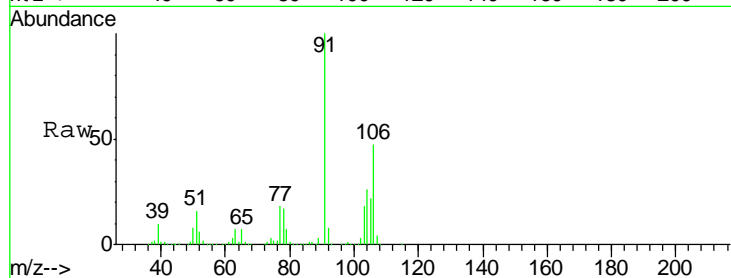
#69
 o-Xylene
 Concen: 144.967 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
106	881736		
106	100		
91	209.3	106.5	319.5

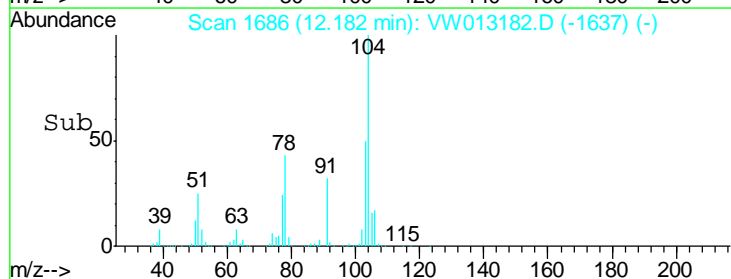
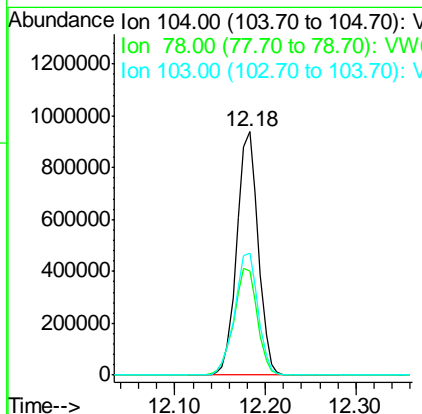
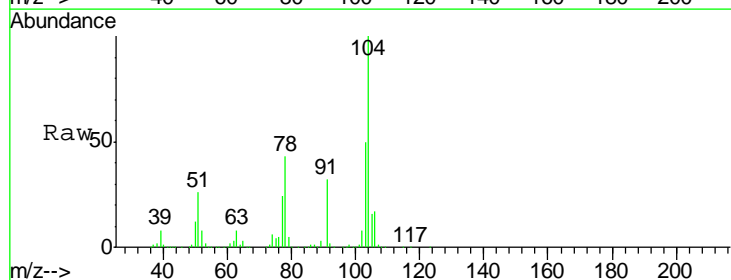
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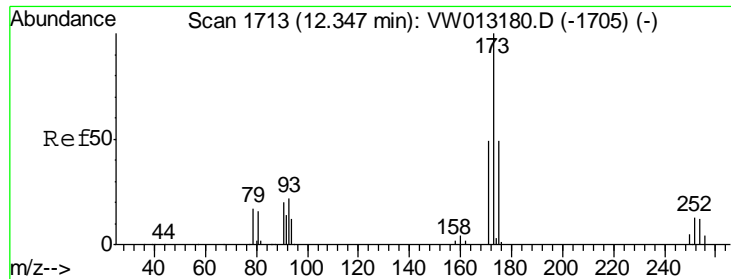
MMDadoda
 9/24/2019 5:28:49 AM



#70
 Styrene
 Concen: 146.518 ug/l
 RT: 12.18 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
104	1529950		
104	100		
78	48.1	38.4	57.6
103	54.7	43.3	64.9





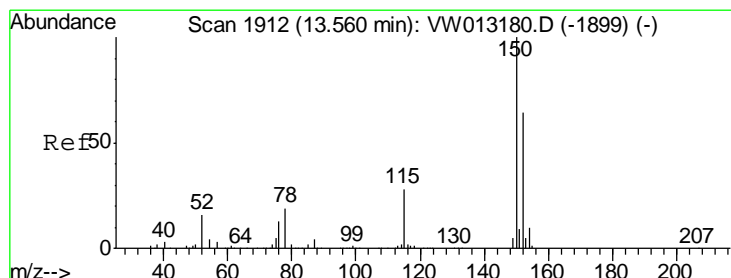
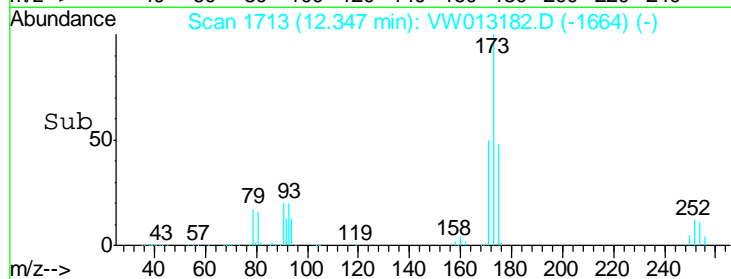
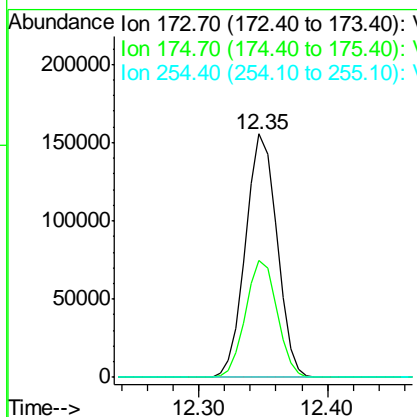
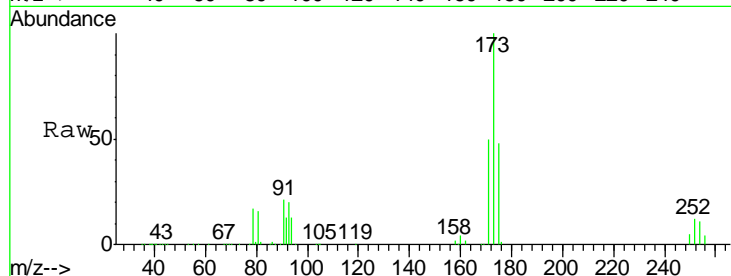
#71
 Bromoform
 Concen: 153.192 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
173	261977		
175	48.2	24.3	73.0
254	0.1	0.1	0.1#

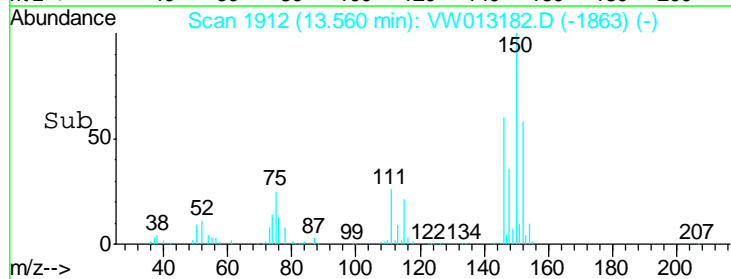
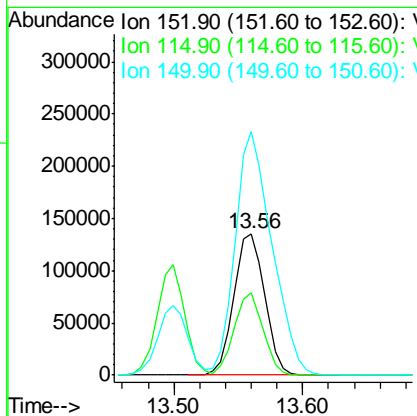
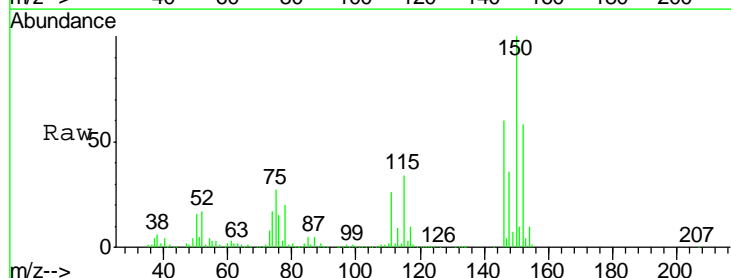
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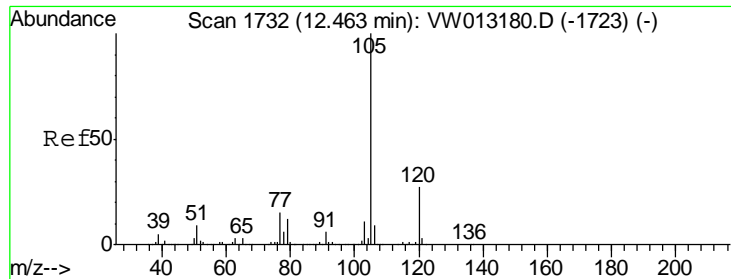
MMDadoda
 9/24/2019 5:28:49 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
152	223634		
152	100		
115	54.9	27.3	81.9
150	205.7	0.0	349.0





#73
 Isopropylbenzene
 Concen: 146.832 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

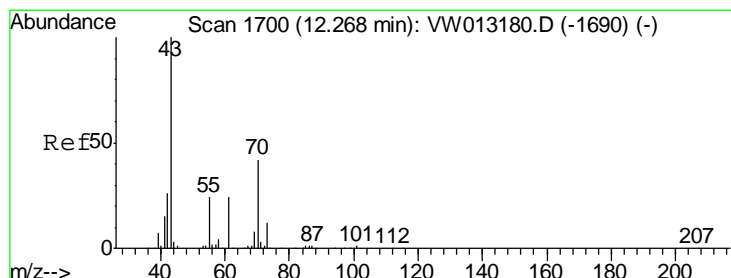
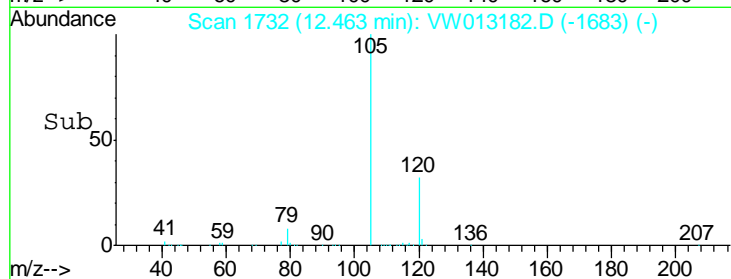
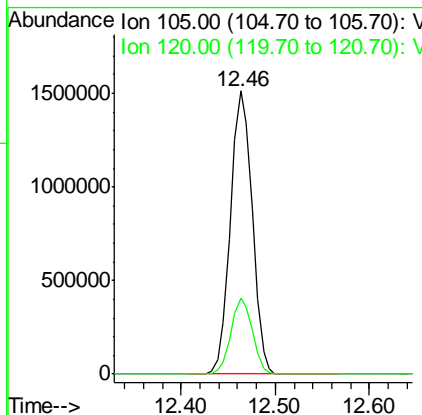
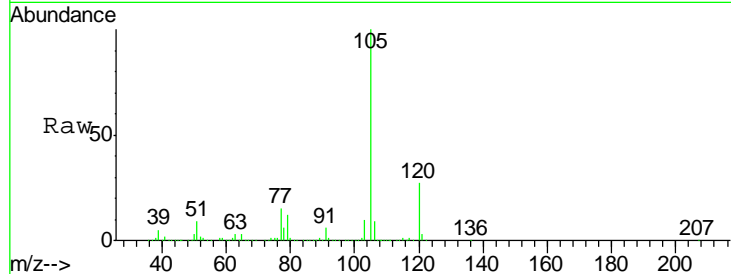
Instrument : MSVOA_W
 ClientSampled : VSTDICC150

Tgt Ion: 105 Resp: 2425667

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.1

Manual Integrations
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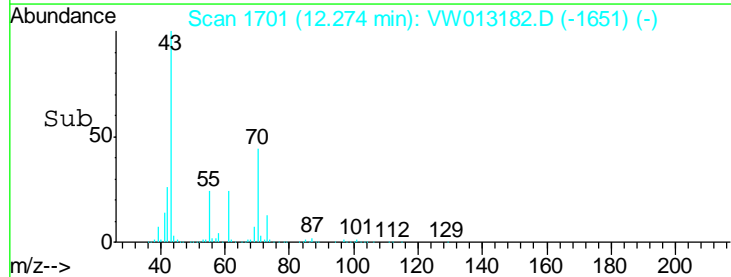
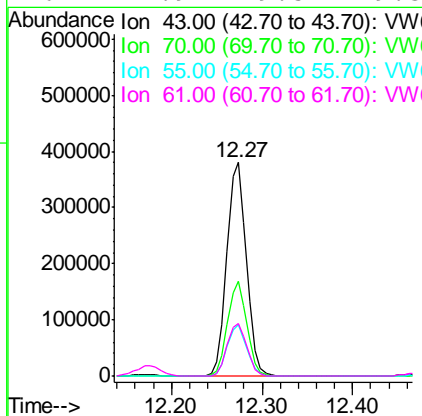
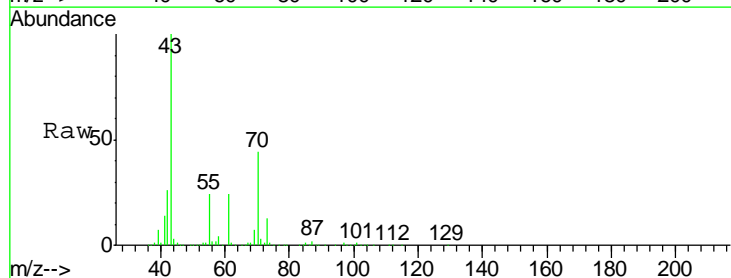
MMDadoda
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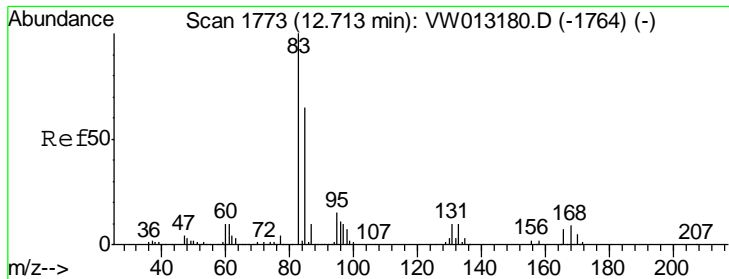


#74
 N-nyl acetate
 Concen: 155.514 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion: 43 Resp: 570083

Ion	Ratio	Lower	Upper
43	100		
70	43.7	35.1	52.7
55	24.1	19.9	29.9
61	24.9	19.5	29.3





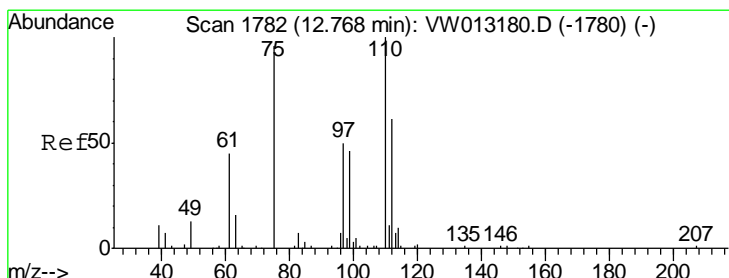
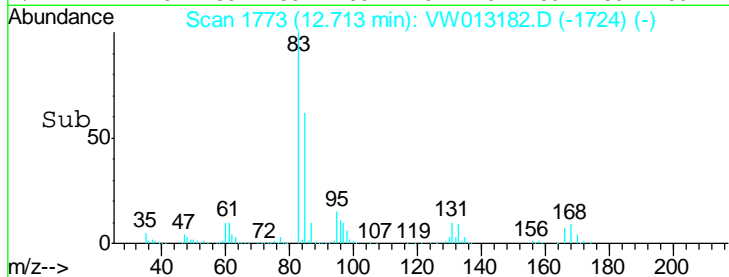
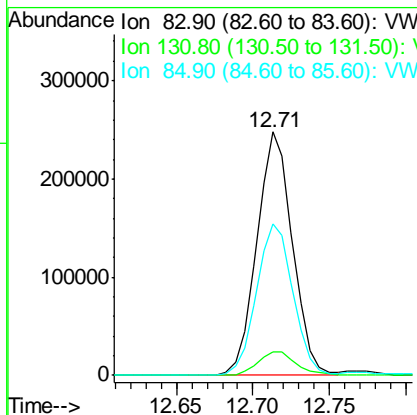
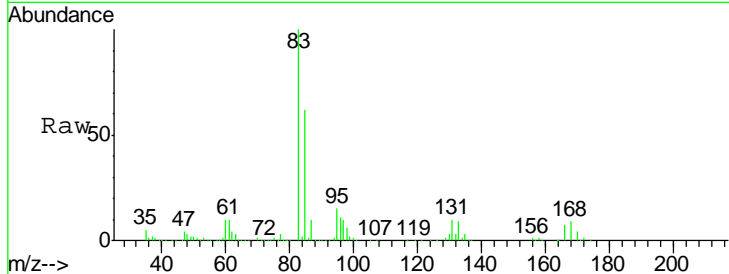
#75
 1,1,2,2-Tetrachloroethane
 Concen: 145.444 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	401840		
83	100		
131	10.7	5.4	16.2
85	63.8	31.9	95.9

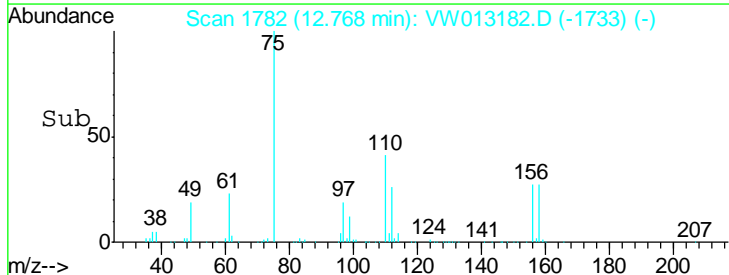
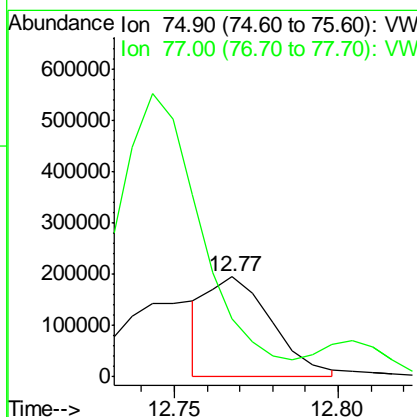
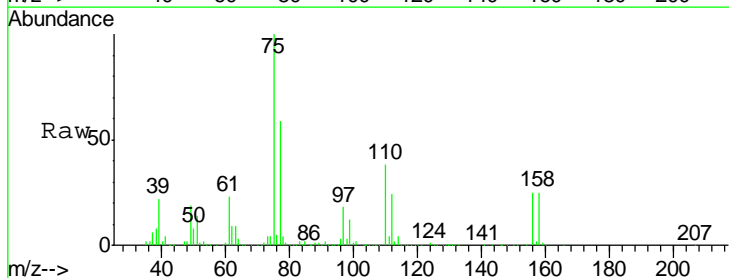
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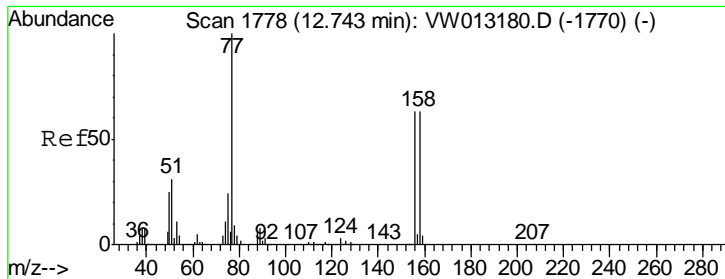
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 133.475 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
75	263611		
75	100		
77	0.0	0.0	0.0





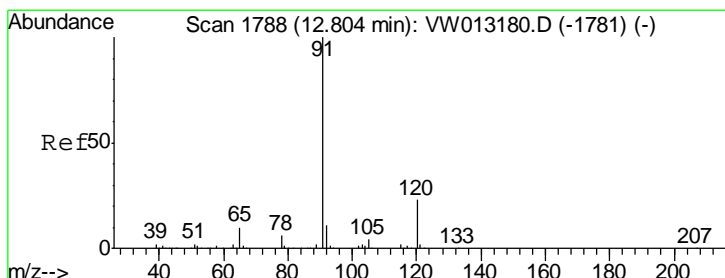
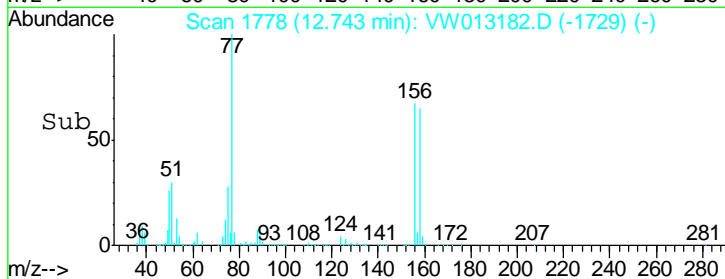
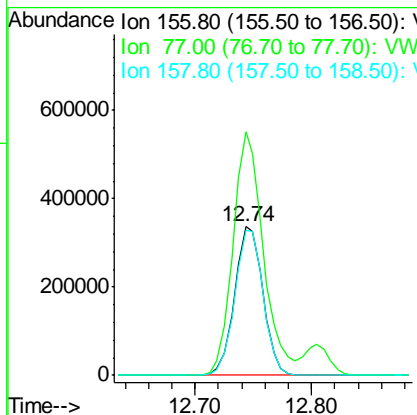
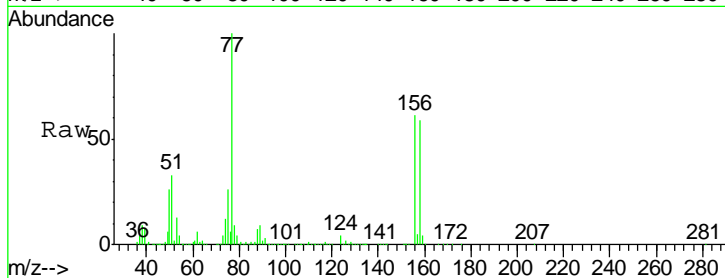
#77
 Bromobenzene
 Concen: 144.636 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
156	100		
77	176.3	85.7	257.1
158	98.0	48.1	144.4

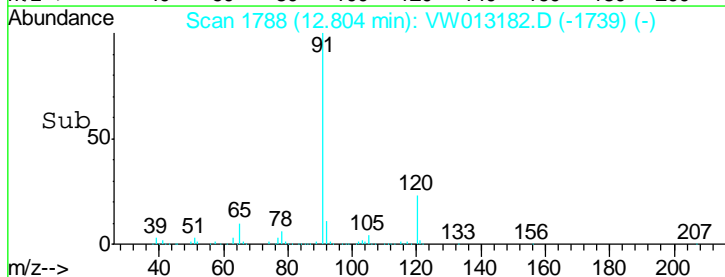
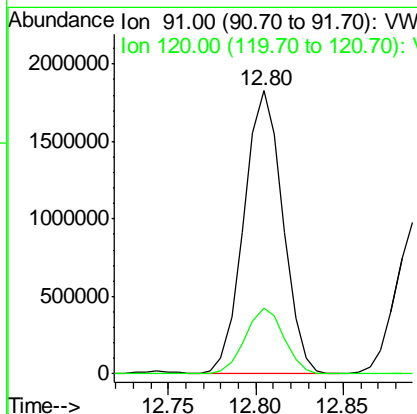
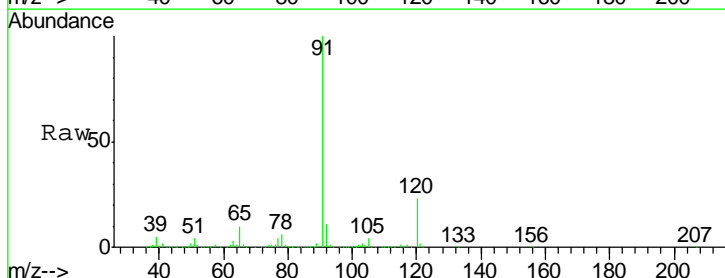
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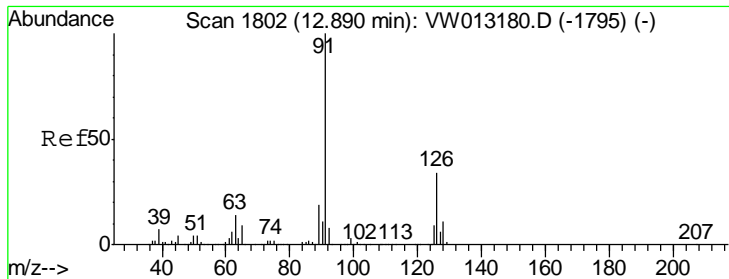
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#78
 n-propylbenzene
 Concen: 145.974 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.3	11.7	35.1





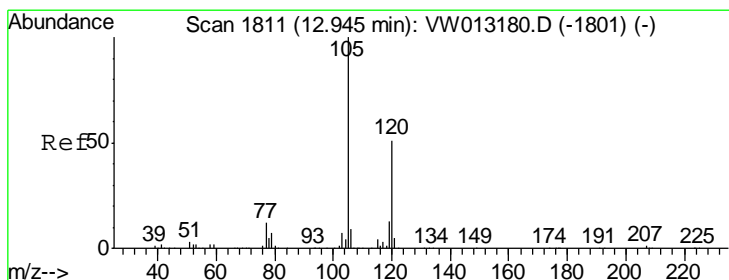
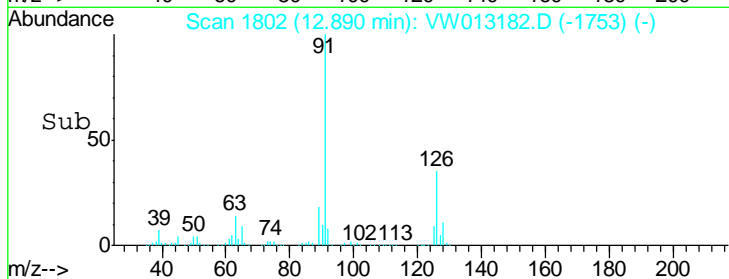
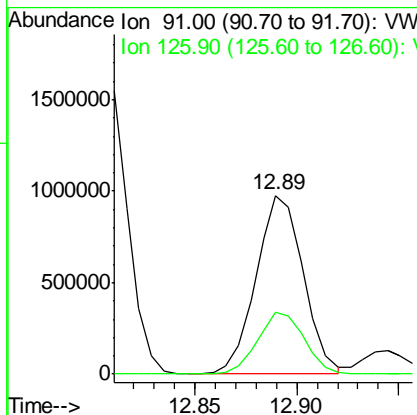
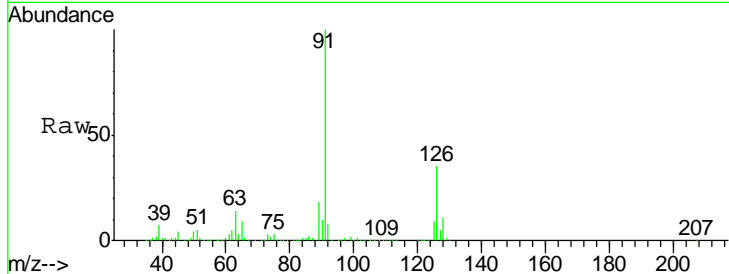
#79
 2-Chlorotoluene
 Concen: 145.235 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.6	17.2	51.5

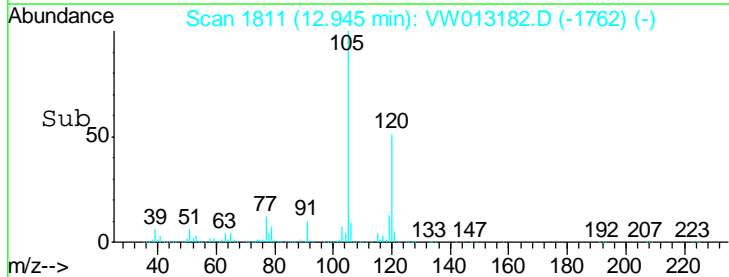
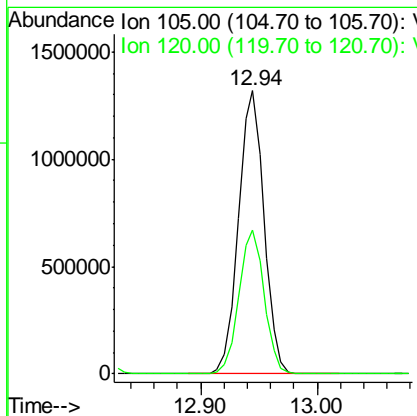
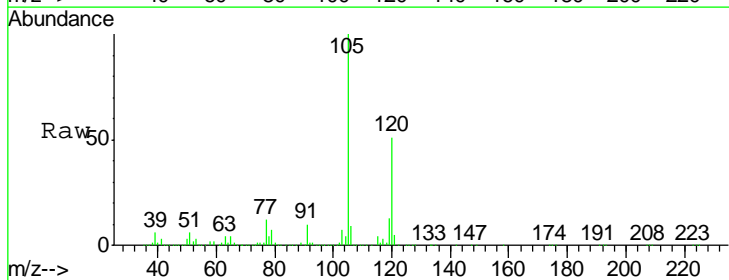
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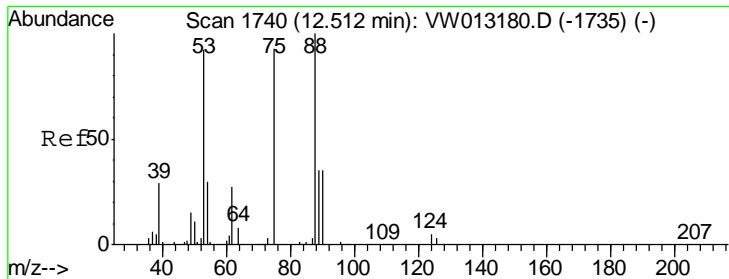
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 144.853 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.4	24.9	74.8





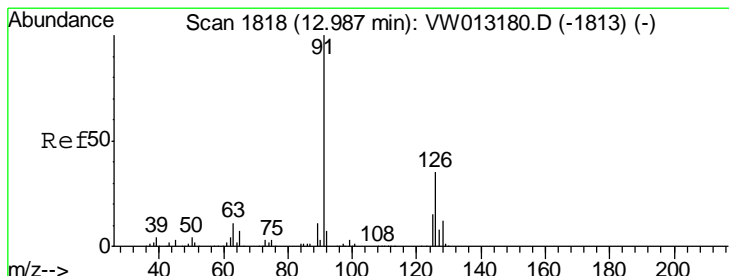
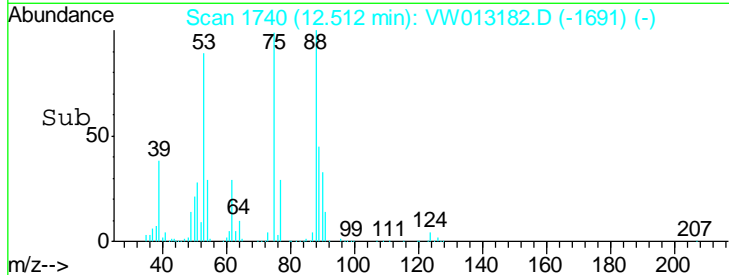
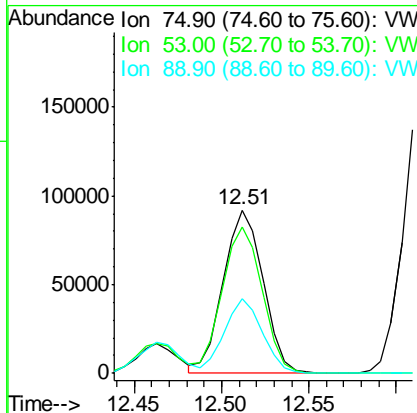
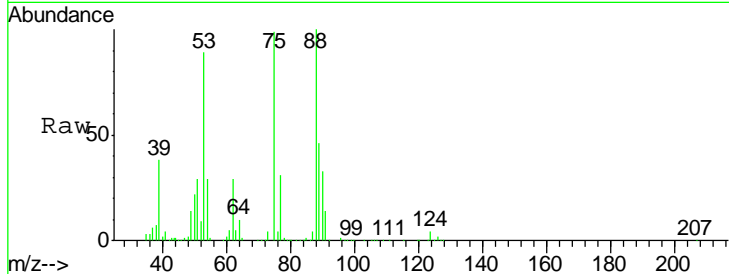
#81
 trans-1,4-Dichloro-2-butene
 Concen: 164.437 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	144729		
75	100		
53	90.8	76.6	114.8
89	43.9	33.5	50.3

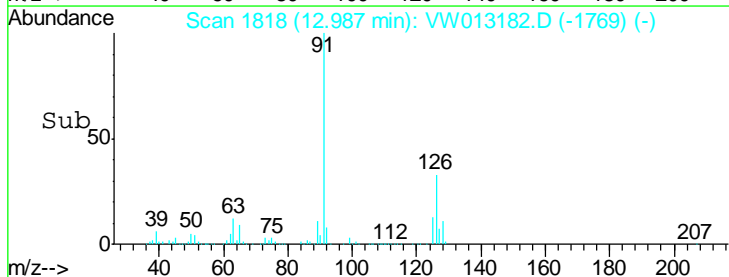
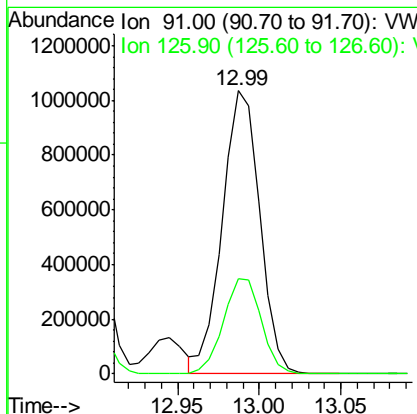
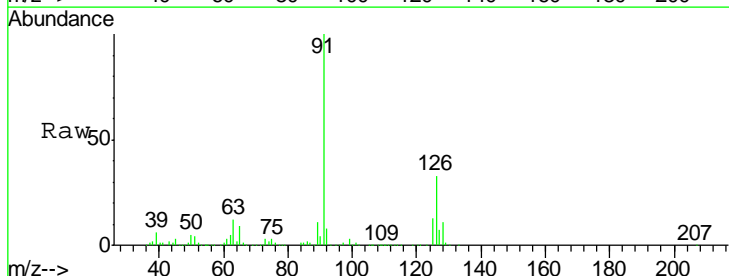
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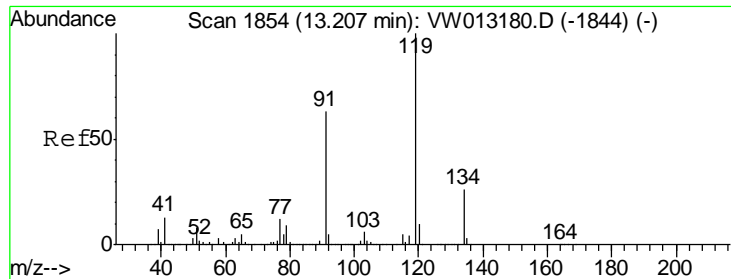
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#82
 4-Chlorotoluene
 Concen: 144.794 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

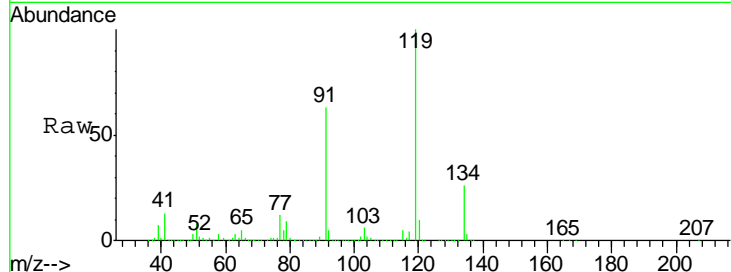
Tgt Ion	Resp	Lower	Upper
91	1654163		
91	100		
126	34.0	17.3	51.7





#83
 tert-Butylbenzene
 Concen: 144.213 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

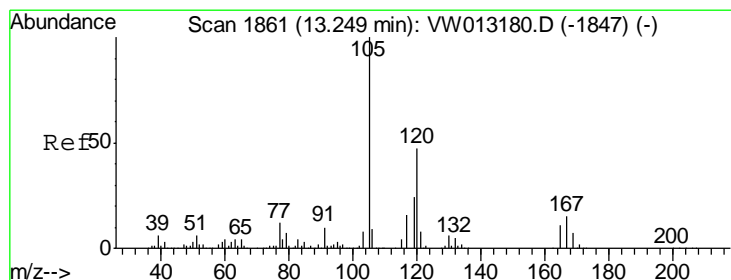
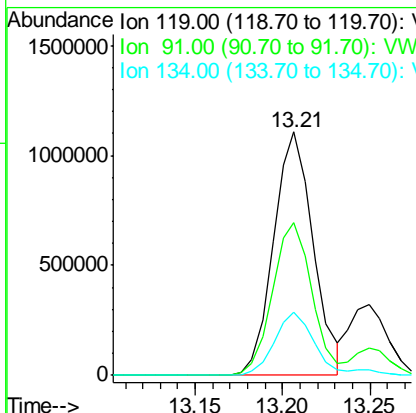
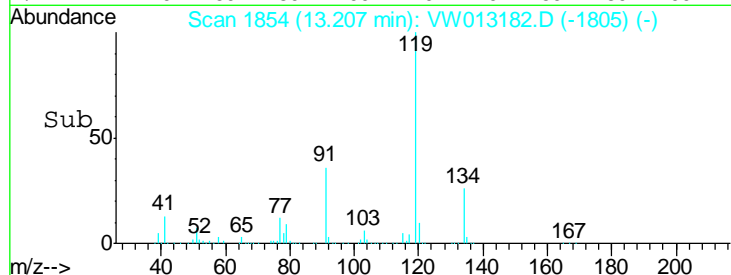
Instrument : MSVOA_W
 Client Sampled : VSTDIC150



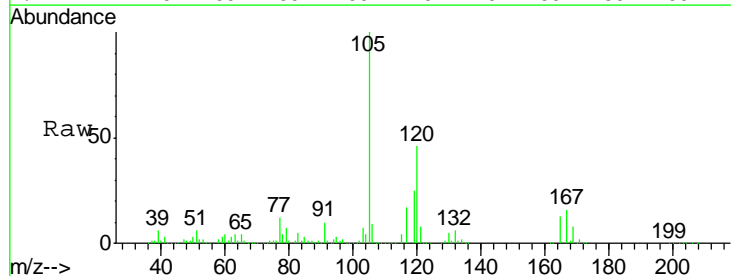
Tgt Ion: 119 Resp: 1757751

Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.7	92.1
134	25.5	12.6	37.6

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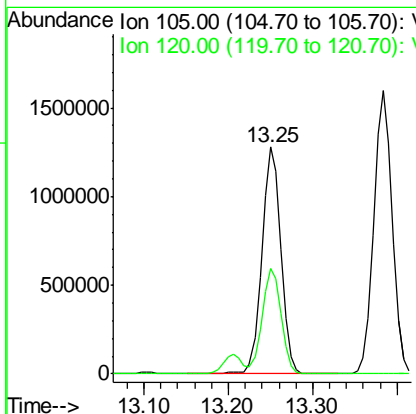
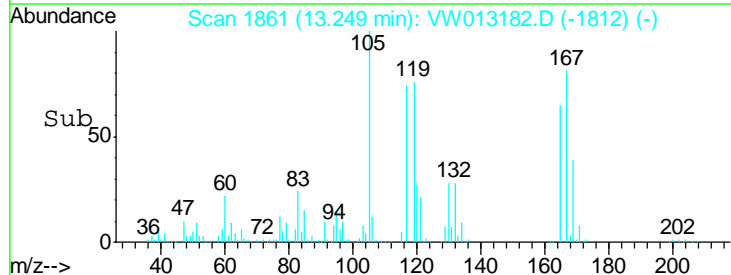


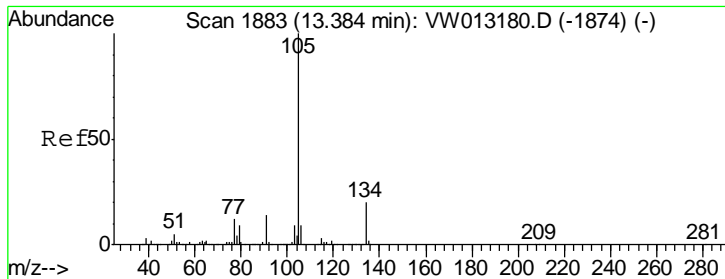
#84
 1,2,4-Trimethylbenzene
 Concen: 143.537 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53



Tgt Ion: 105 Resp: 1983487

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.3





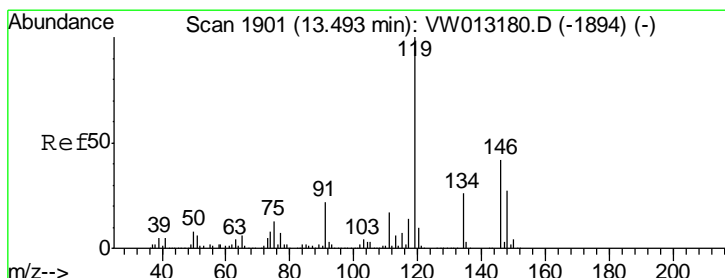
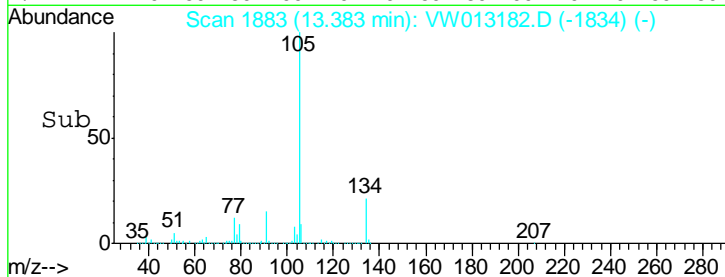
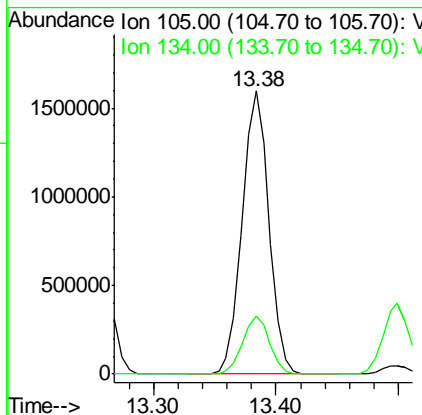
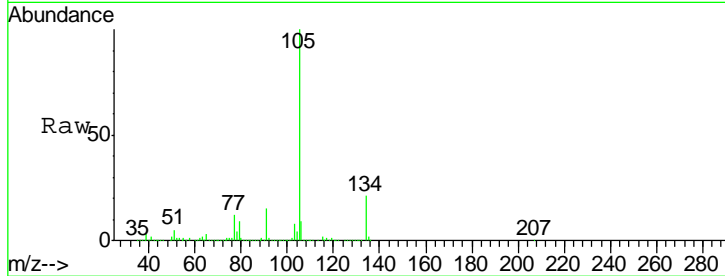
#85
 sec-Butylbenzene
 Concen: 143.569 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.8	10.3	30.8

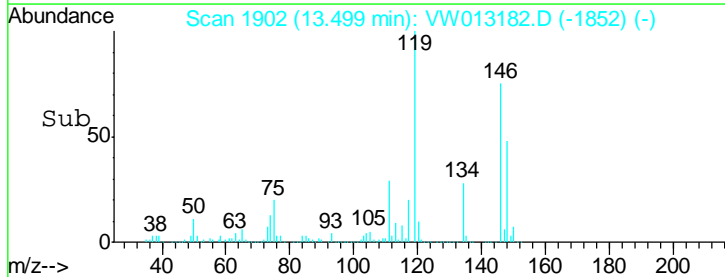
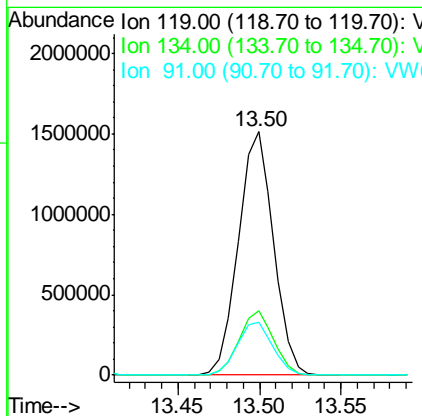
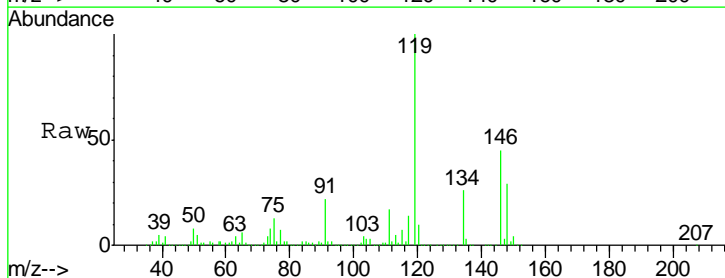
Manual Integrations
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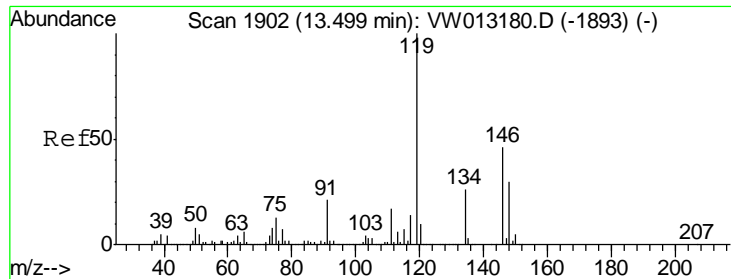
MMDadoda
 9/24/2019 5:28:49 AM



#86
 p-Isopropyltoluene
 Concen: 144.880 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	22.0	10.8	32.4





#87
 1,3-Dichlorobenzene
 Concen: 143.036 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

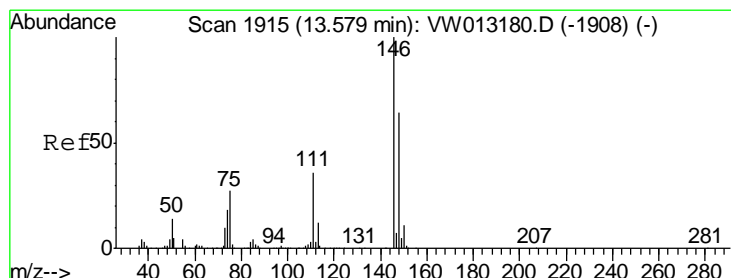
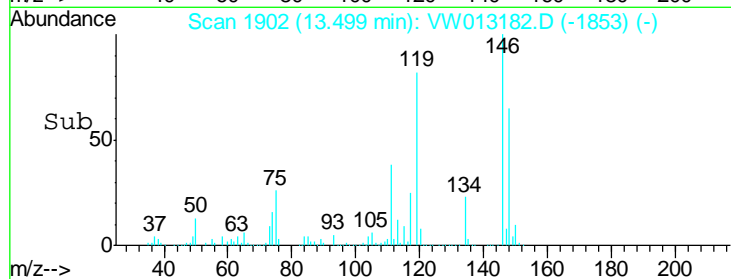
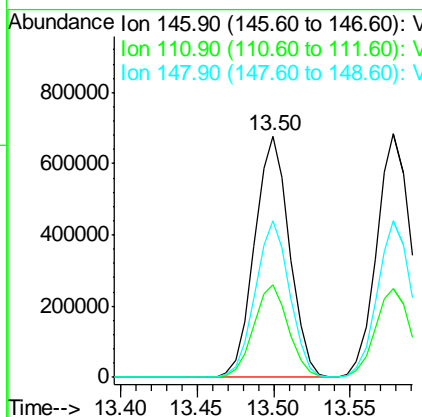
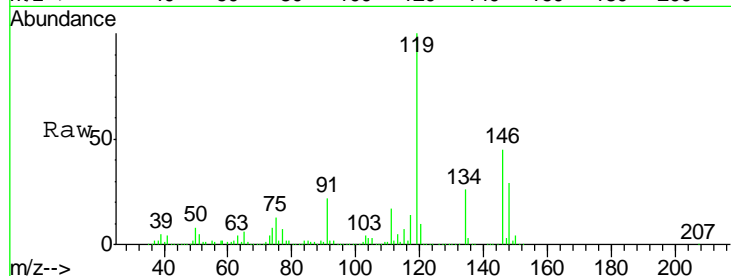
Instrument : MSVOA_W
 ClientSampled : VSTDIC150

Tgt Ion:146 Resp: 1077676

Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	63.9	31.9	95.5

Manual Integrations
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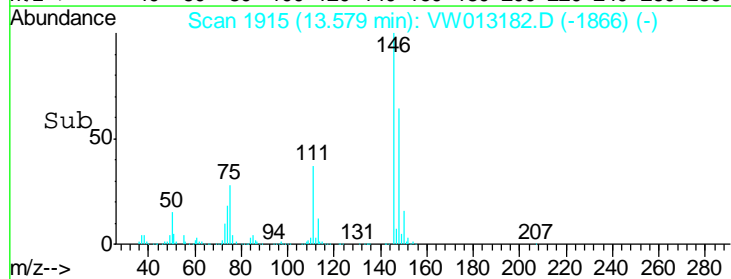
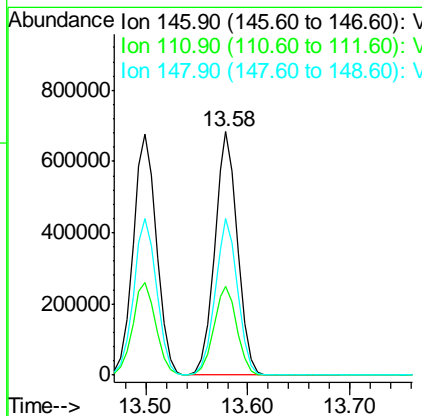
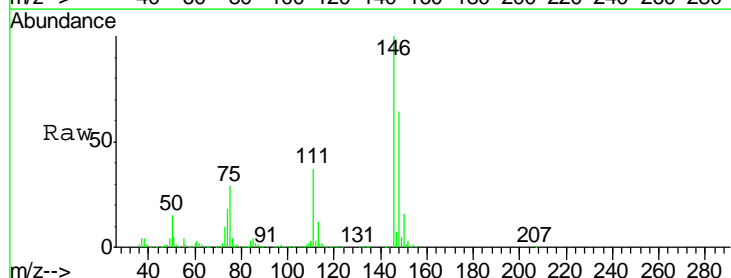
MMDadoda
 9/24/2019 5:28:49 AM

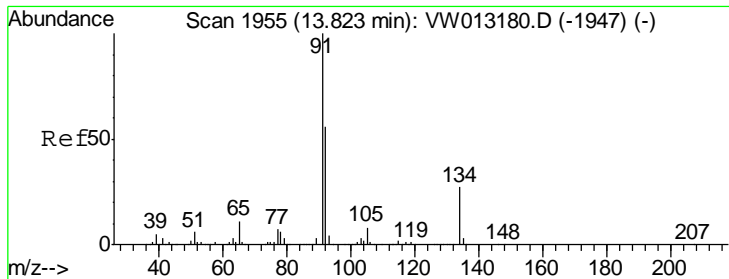


#88
 1,4-Dichlorobenzene
 Concen: 143.717 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion:146 Resp: 1061959

Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	63.7	32.1	96.3





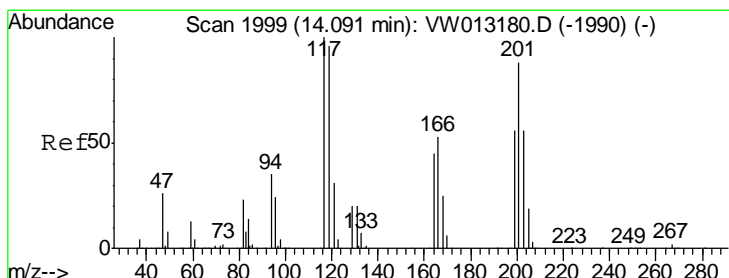
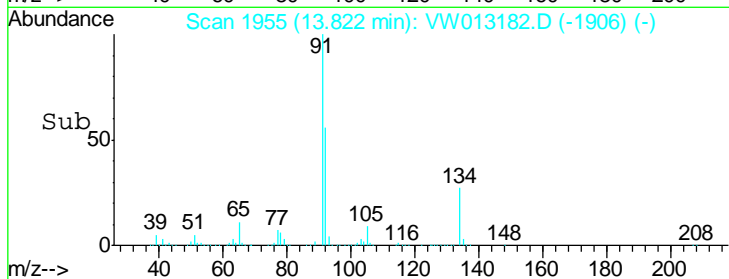
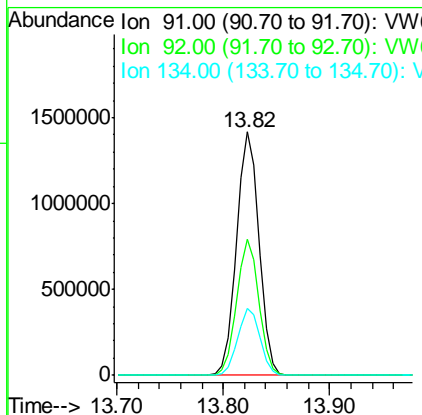
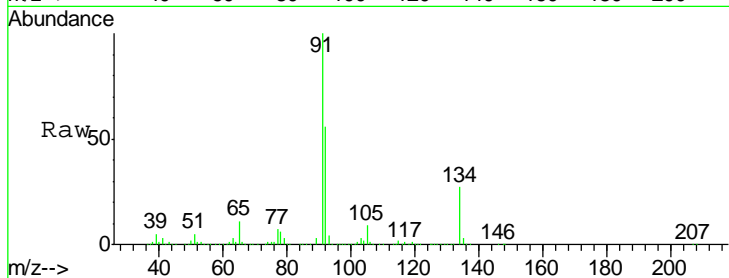
#89
 n-Butylbenzene
 Concen: 147.496 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.3	27.6	82.8
134	27.5	13.7	41.1

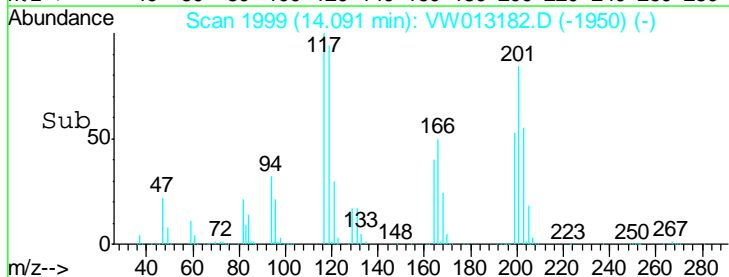
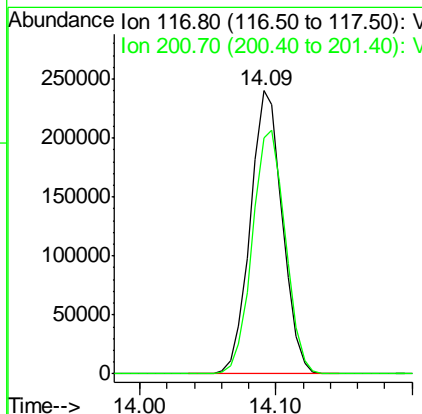
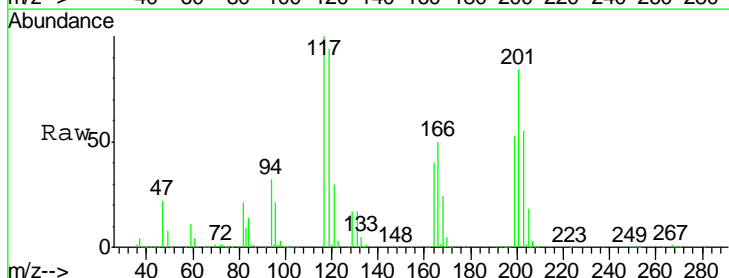
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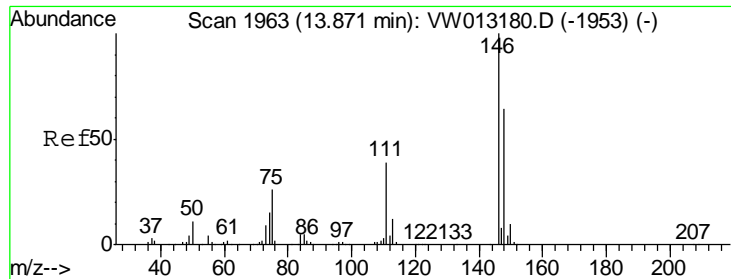
MMDadoda
 9/24/2019 5:28:49 AM



#90
 Hexachloroethane
 Concen: 151.570 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
117	100		
201	88.8	44.5	133.5





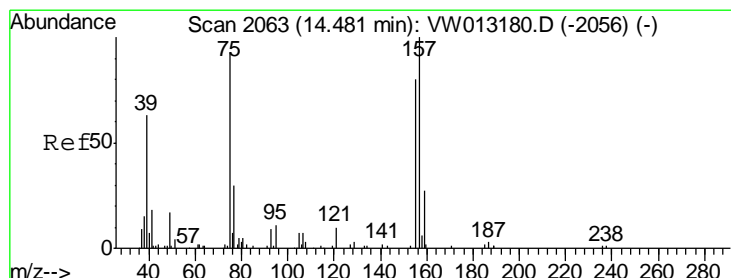
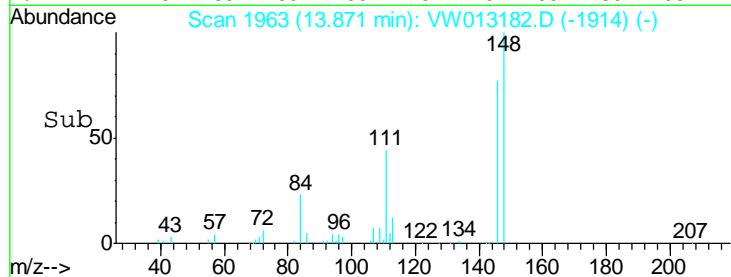
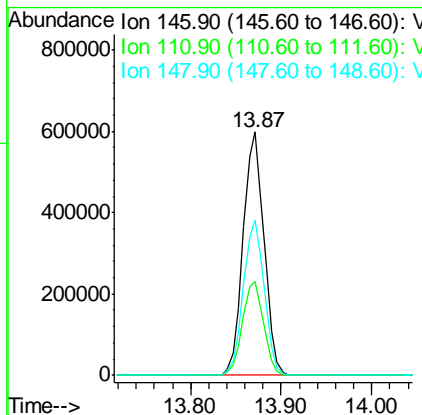
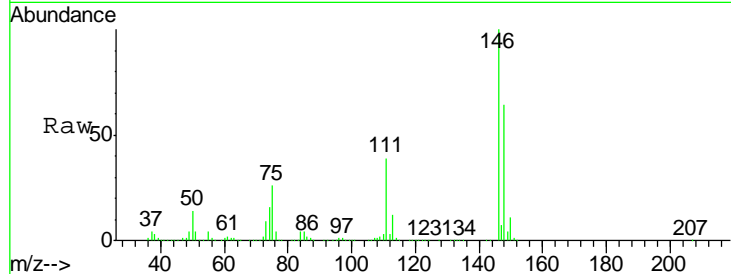
#91
 1,2-Dichlorobenzene
 Concen: 146.163 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.1	20.1	60.3
148	63.8	32.0	96.0

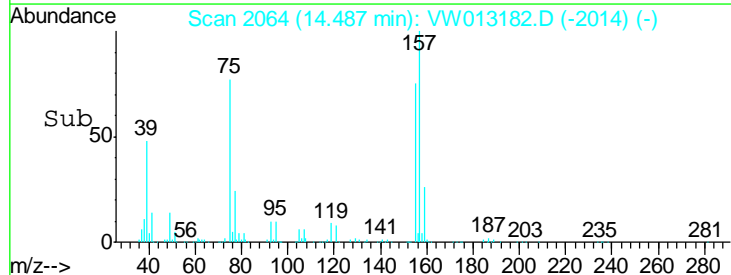
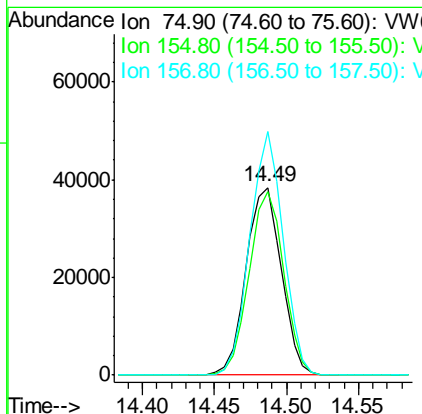
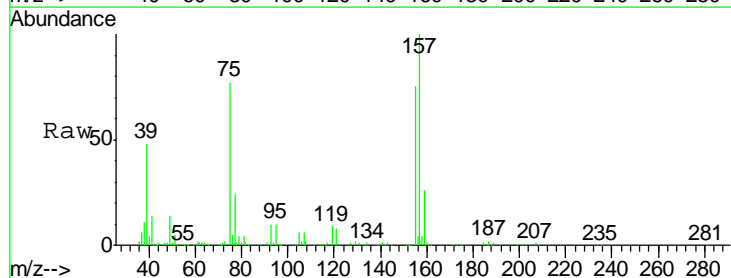
Manual Integrations
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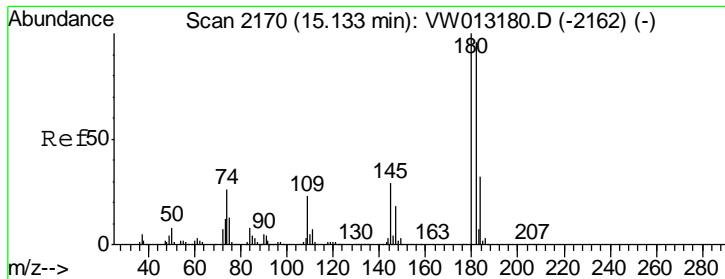
MMDadoda
 9/24/2019 5:28:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 153.631 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
75	100		
155	96.1	46.1	138.3
157	122.3	60.4	181.2





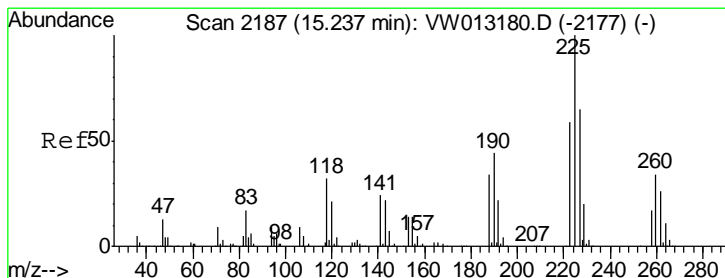
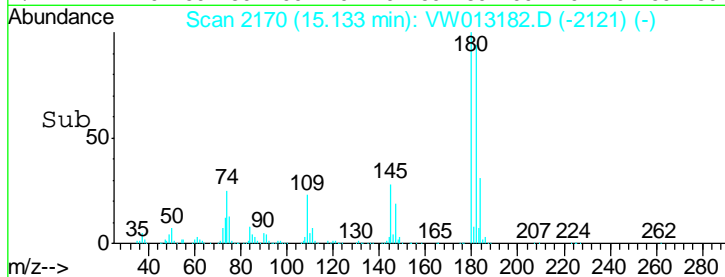
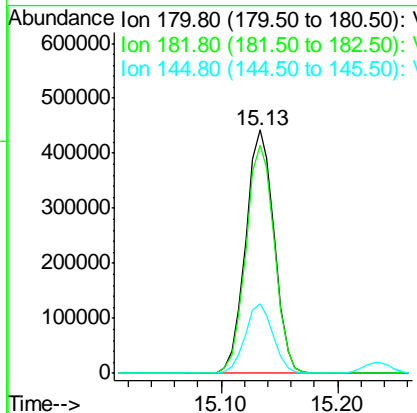
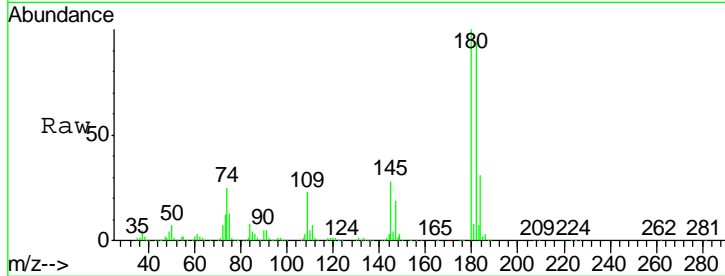
#93
 1,2,4-Trichlorobenzene
 Concen: 161.323 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.0	47.3	142.0
145	28.2	14.2	42.8

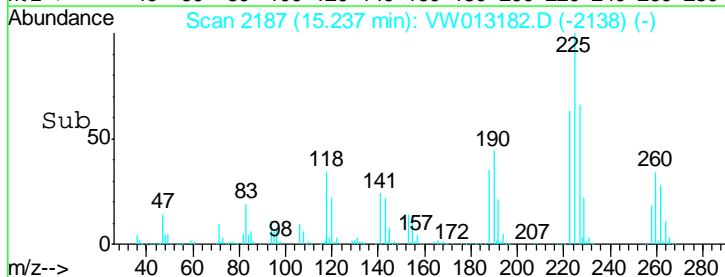
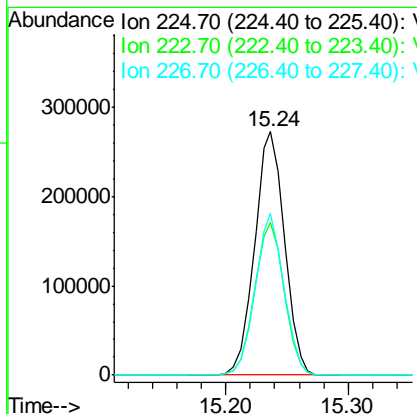
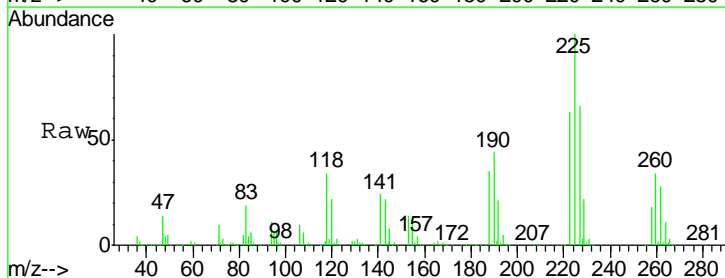
Manual Integrations
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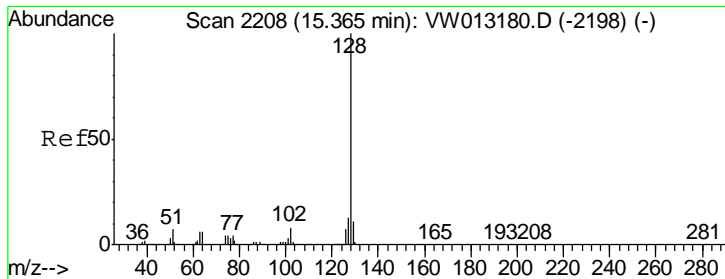
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 9/24/2019 5:28:49 AM



#94
 Hexachlorobutadiene
 Concen: 145.283 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.1	30.6	91.8
227	63.5	31.9	95.9





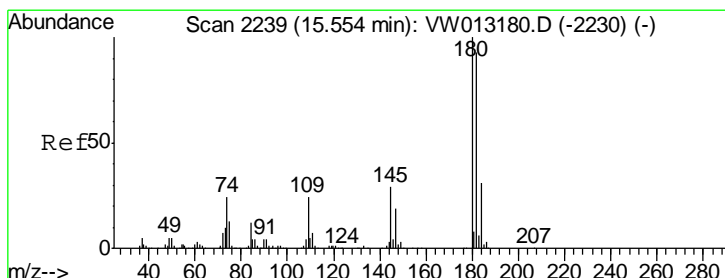
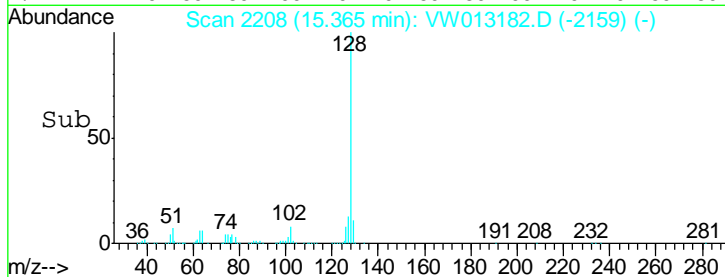
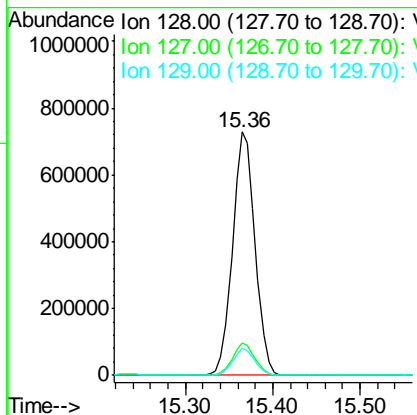
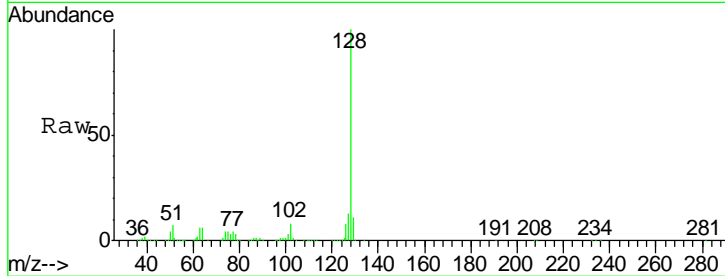
#95
 Naphthalene
 Concen: 170.133 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument : MSVOA_W
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
128	1299655		
127	13.1	10.6	15.8
129	10.9	8.7	13.1

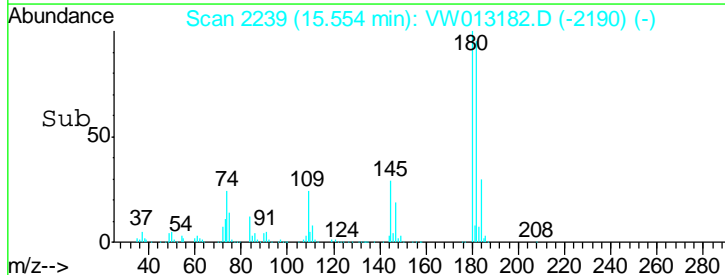
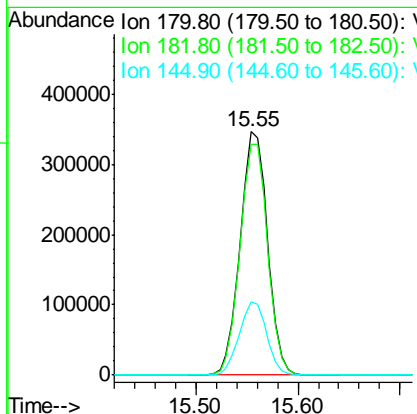
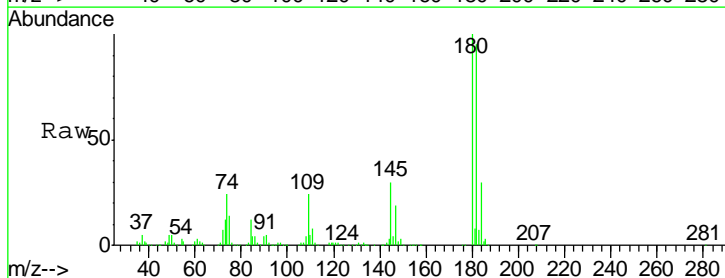
Manual Integrations
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 9/24/2019 5:28:49 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 159.676 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Resp	Lower	Upper
180	644426		
182	96.1	47.9	143.7
145	30.2	15.0	45.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 ICVW092019

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:51 AM

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	380098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	547785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	237442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	142916	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.88	113	142670	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	10.32	98	594334	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.62	95	202111	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	107791	49.162	ug/l	95
3) Chloromethane	2.21	50	123760	43.911	ug/l	99
4) Vinyl Chloride	2.36	62	166442	45.807	ug/l	94
5) Bromomethane	2.78	94	107925	46.870	ug/l	91
6) Chloroethane	2.92	64	99089	46.265	ug/l	95
7) Trichlorofluoromethane	3.25	101	96872	46.235	ug/l	96
8) Diethyl Ether	3.68	74	81799	45.707	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161521	47.351	ug/l	100
10) Methyl Iodide	4.27	142	240168	45.412	ug/l	99
11) Tert butyl alcohol	5.19	59	49675	221.285	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	168180	47.612	ug/l	99
13) Acrolein	3.89	56	42521	238.111	ug/l	98
14) Allyl chloride	4.66	41	271196	48.241	ug/l	100
15) Acrylonitrile	5.37	53	178143	230.623	ug/l	99
16) Acetone	4.13	43	182423	260.764	ug/l	92
17) Carbon Disulfide	4.38	76	492891	48.277	ug/l	96
18) Methyl Acetate	4.67	43	83635	42.530	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	251856	46.522	ug/l	98
20) Methylene Chloride	4.91	84	168647	46.960	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	180775	47.351	ug/l	96
22) Diisopropyl ether	6.31	45	506115	47.344	ug/l	99
23) Vinyl Acetate	6.25	43	1523284	240.191	ug/l	99
24) 1,1-Dichloroethane	6.21	63	304228	47.162	ug/l	100
25) 2-Butanone	7.17	43	235377	224.132	ug/l	95
26) 2,2-Dichloropropane	7.16	77	189578	49.055	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	187826	46.618	ug/l	99
28) Bromochloromethane	7.51	49	125358	50.633	ug/l #	99
29) Tetrahydrofuran	7.53	42	145540	225.981	ug/l	100
30) Chloroform	7.67	83	291405	46.141	ug/l	97
31) Cyclohexane	7.95	56	310113	46.119	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	241702	47.253	ug/l	99
36) 1,1-Dichloropropene	8.08	75	250588	47.230	ug/l	99
37) Ethyl Acetate	7.24	43	101755	45.126	ug/l	98
38) Carbon Tetrachloride	8.07	117	227824	47.901	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 ICVW092019

Manual Integrations
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MMDadoda
 9/24/2019 5:28:51 AM

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	332539	48.771	ug/l	97
40) Benzene	8.32	78	699939	47.296	ug/l	100
41) Methacrylonitrile	7.48	41	61871	45.973	ug/l	97
42) 1,2-Dichloroethane	8.40	62	183408	46.102	ug/l	99
43) Isopropyl Acetate	8.42	43	197615	45.726	ug/l	100
44) Trichloroethene	9.09	130	196346	47.287	ug/l	99
45) 1,2-Dichloropropane	9.37	63	172081	47.627	ug/l	98
46) Dibromomethane	9.46	93	82460	47.009	ug/l	99
47) Bromodichloromethane	9.64	83	214055	47.957	ug/l	99
48) Methyl methacrylate	9.43	41	101099	49.749	ug/l	94
49) 1,4-Dioxane	9.46	88	23021	874.296	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	492601	227.362	ug/l	99
52) Toluene	10.38	92	450784	47.528	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	223312	48.697	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	272044	48.791	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	121707	46.420	ug/l	96
56) Ethyl methacrylate	10.65	69	164229	47.862	ug/l	99
57) 1,3-Dichloropropane	10.93	76	213084	46.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	391193	246.263	ug/l	99
59) 2-Hexanone	10.96	43	353238	236.976	ug/l	99
60) Dibromochloromethane	11.13	129	141501	47.530	ug/l	99
61) 1,2-Dibromoethane	11.23	107	115690	46.408	ug/l	99
64) Tetrachloroethene	10.86	164	169768	47.778	ug/l	97
65) Chlorobenzene	11.66	112	463360	47.382	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	160820	48.136	ug/l	99
67) Ethyl Benzene	11.73	91	857266	48.381	ug/l	98
68) m/p-Xylenes	11.83	106	652964	96.706	ug/l	99
69) o-Xylene	12.16	106	299268	47.673	ug/l	99
70) Styrene	12.18	104	522507	48.482	ug/l	99
71) Bromoform	12.35	173	84266	47.742	ug/l	100
73) Isopropylbenzene	12.46	105	849123	48.410	ug/l	100
74) N-amyl acetate	12.27	43	185285	47.605	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	133670	45.568	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	106073m	50.585	ug/l	
77) Bromobenzene	12.74	156	196705	47.325	ug/l	100
78) n-propylbenzene	12.80	91	997196	48.570	ug/l	99
79) 2-Chlorotoluene	12.89	91	553298	48.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	708518	48.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45043	48.200	ug/l	99
82) 4-Chlorotoluene	12.99	91	579435	47.770	ug/l	99
83) tert-Butylbenzene	13.21	119	625794	48.357	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	711612	48.502	ug/l	98
85) sec-Butylbenzene	13.38	105	874002	48.986	ug/l	100
86) p-Isopropyltoluene	13.50	119	813968	49.187	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	377640	47.208	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	377155	48.073	ug/l	100
89) n-Butylbenzene	13.82	91	754599	49.939	ug/l	100
90) Hexachloroethane	14.09	117	138029	49.651	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	330985	47.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21134	47.102	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVW092019

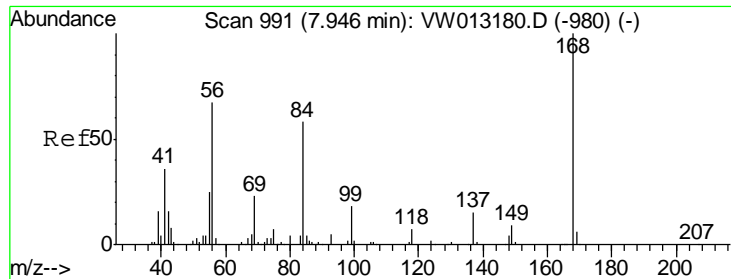
Manual Integrations
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 9/24/2019 5:28:51 AM

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	250275	50.468	ug/l	100
94) Hexachlorobutadiene	15.24	225	165104	48.664	ug/l	99
95) Naphthalene	15.36	128	416934	51.405	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	214927	50.158	ug/l	99

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

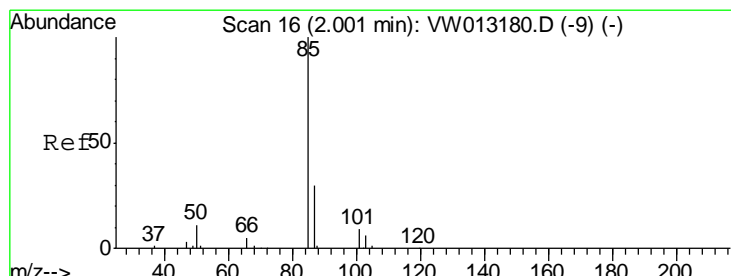
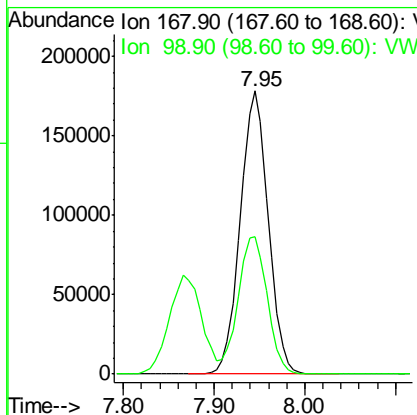
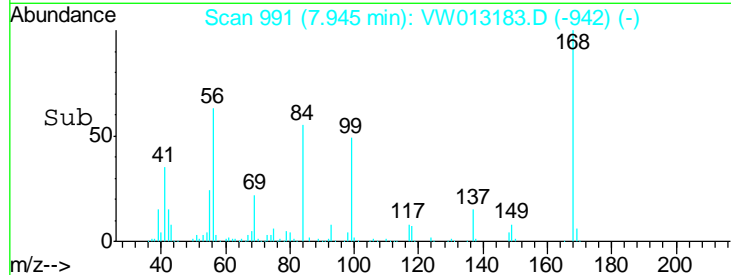
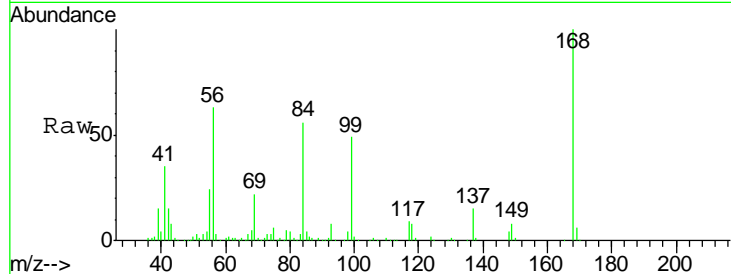


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion: 168 Resp: 380098
 Ion Ratio Lower Upper
 168 100
 99 48.7 40.2 60.4

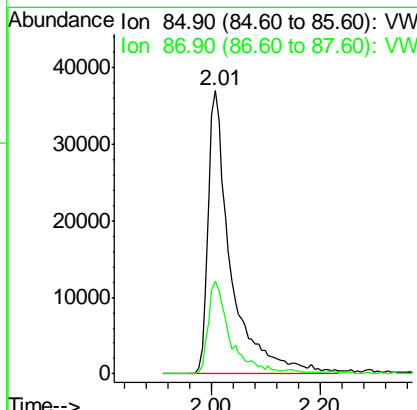
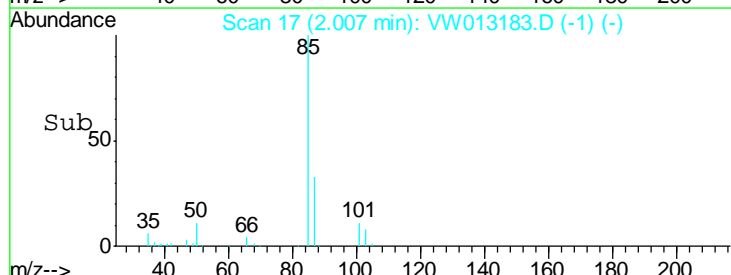
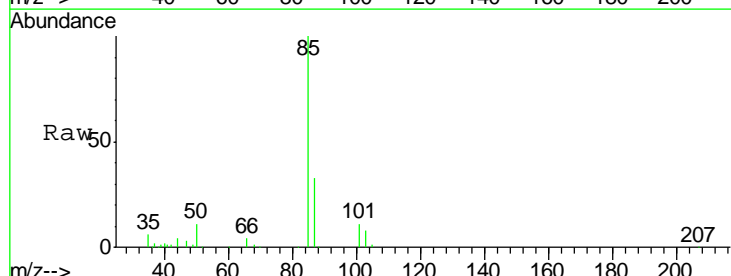
Instrument : MSVOA_W
 Client Sampled : ICVVW092019

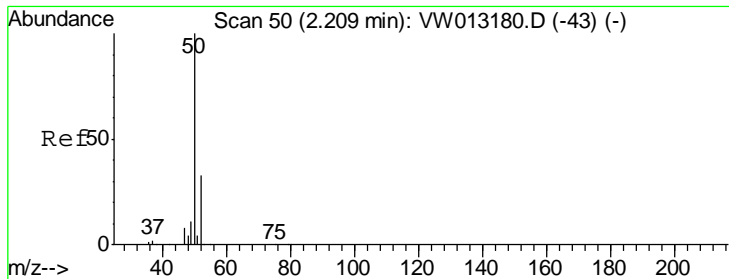
Manual Integrations APPROVED
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#2
 Dichlorodifluoromethane
 Concen: 49.162 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

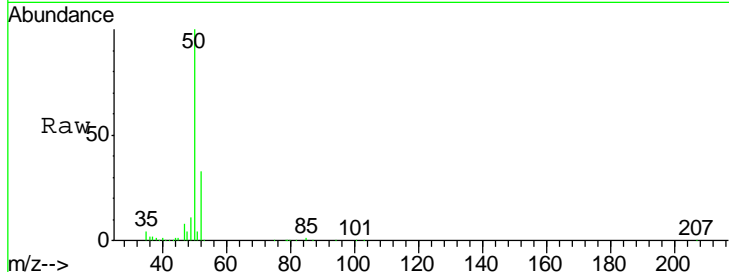
Tgt Ion: 85 Resp: 107791
 Ion Ratio Lower Upper
 85 100
 87 32.9 15.1 45.3





#3
 Chloromethane
 Concen: 43.911 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

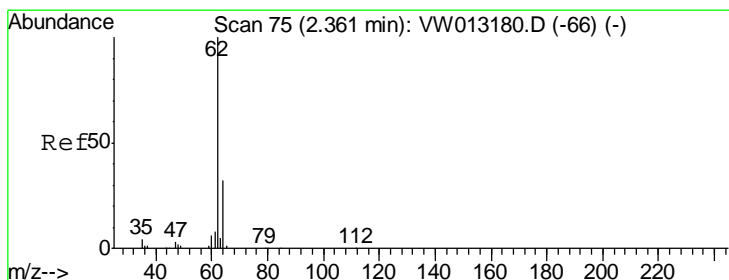
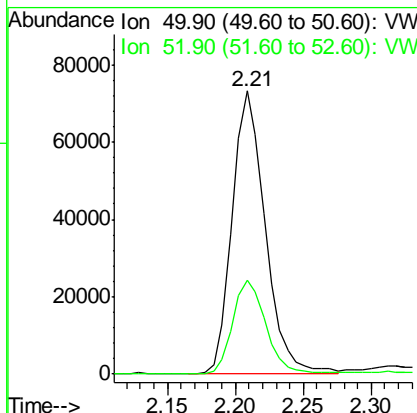
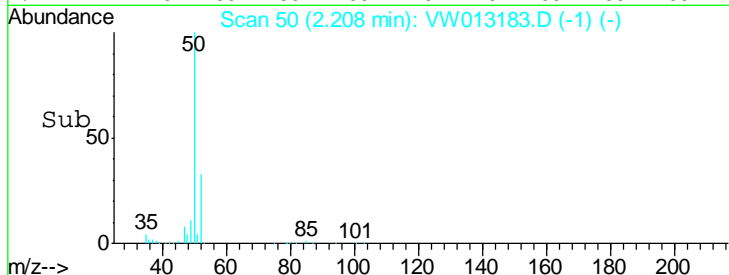
Instrument : MSVOA_W
 Client Sampled : ICVVW092019



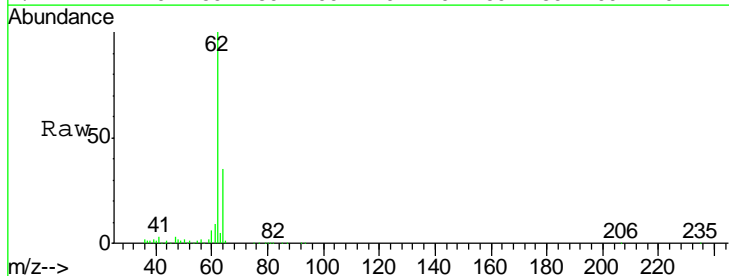
Tgt Ion: 50 Resp: 123760
 Ion Ratio Lower Upper
 50 100
 52 33.2 26.1 39.1

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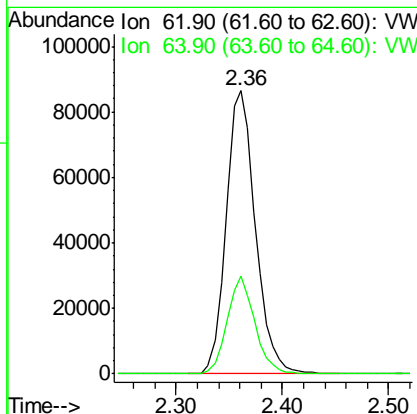
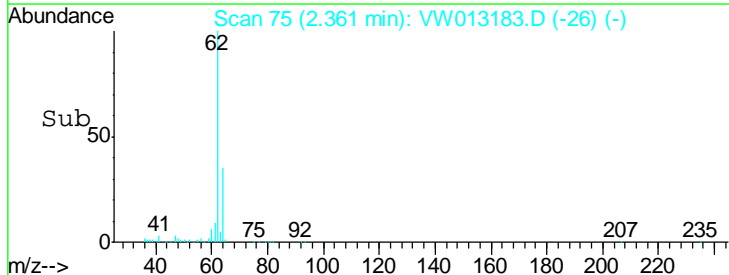
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 9/24/2019 5:28:51 AM

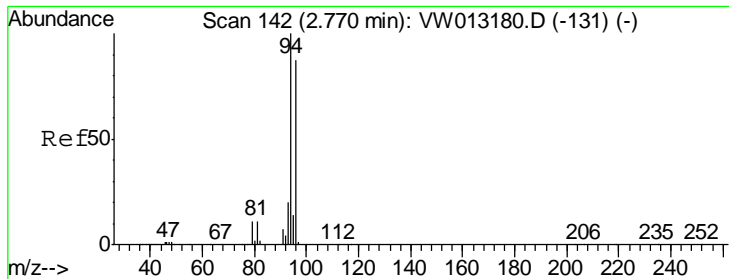


#4
 Vinyl Chloride
 Concen: 45.807 ug/l
 RT: 2.36 min Scan# 75
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion: 62 Resp: 166442
 Ion Ratio Lower Upper
 62 100
 64 34.8 25.3 37.9



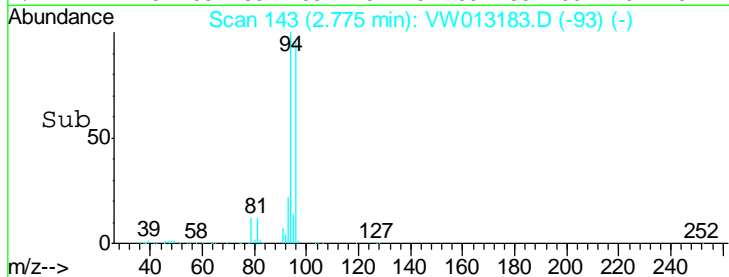
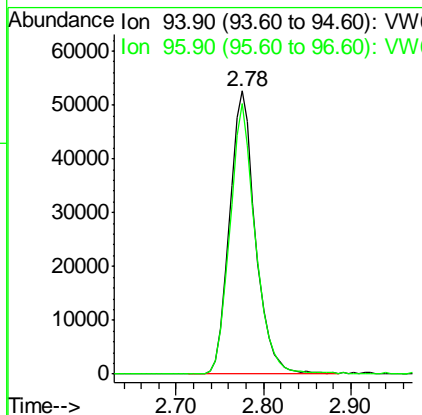
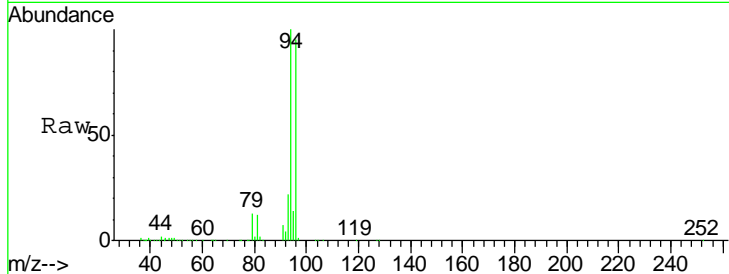


#5
 Bromomethane
 Concen: 46.870 ug/l
 RT: 2.78 min Scan# 143
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
94	107925		
96	95.5	69.7	104.5

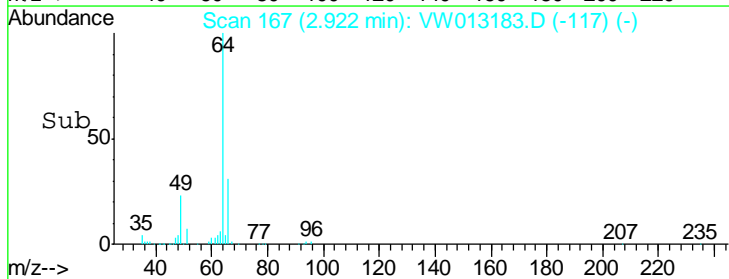
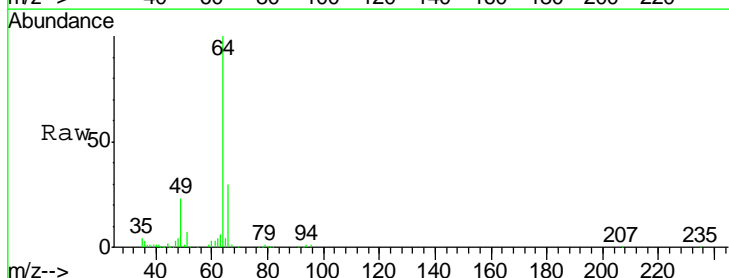
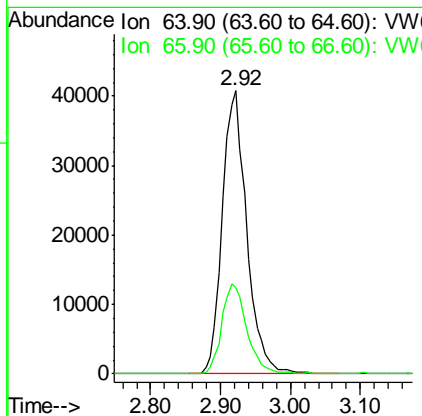
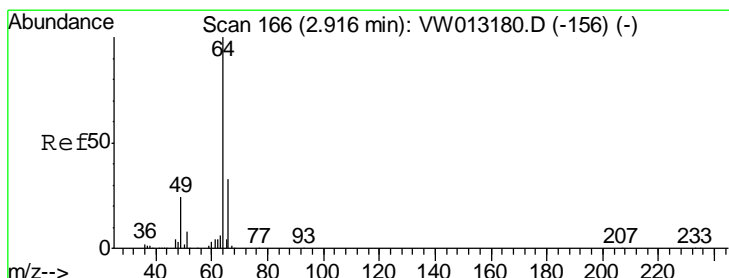
Instrument : MSVOA_W
 Client Sampled : ICVVW092019

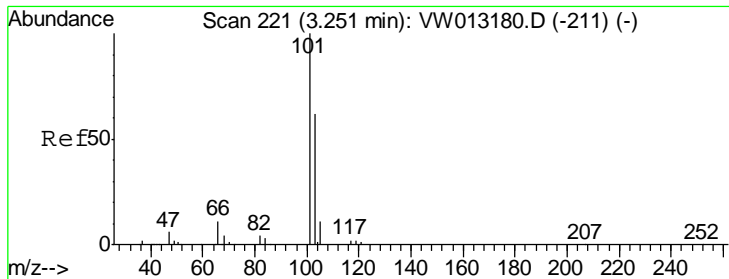
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#6
 Chloroethane
 Concen: 46.265 ug/l
 RT: 2.92 min Scan# 167
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
64	99089		
66	30.5	26.6	39.8





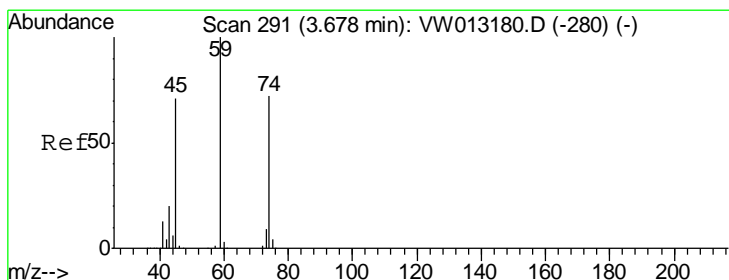
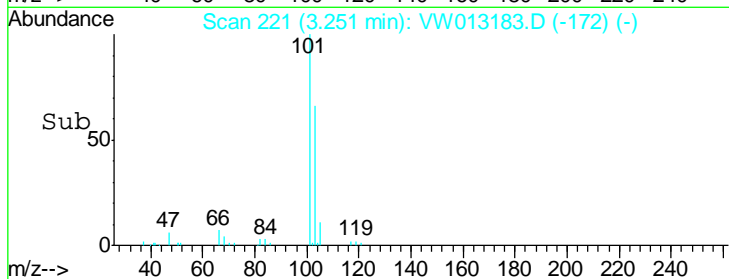
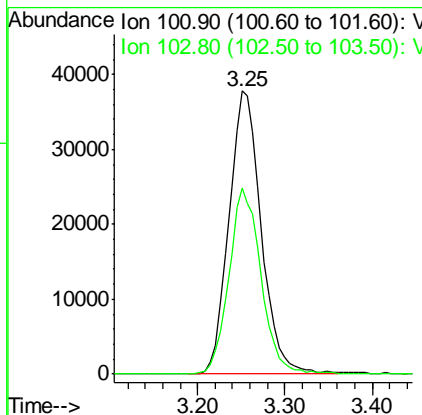
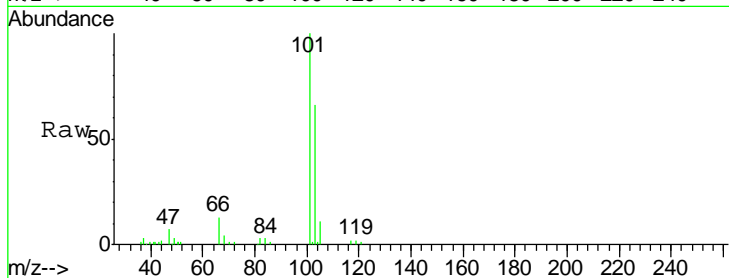
#7
 Trichlorofluoromethane
 Concen: 46.235 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
101	96872		
103	65.5	49.7	74.5

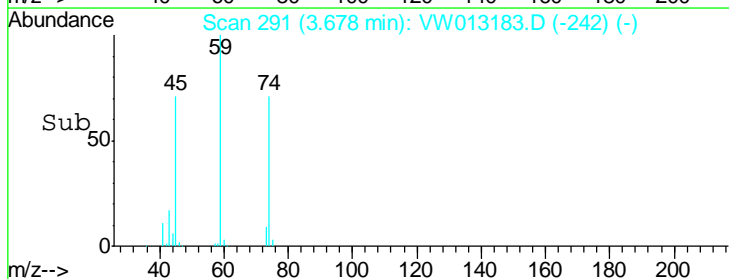
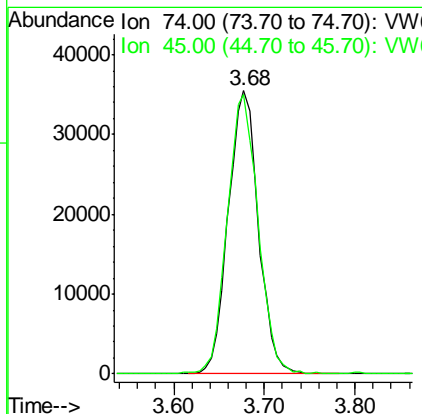
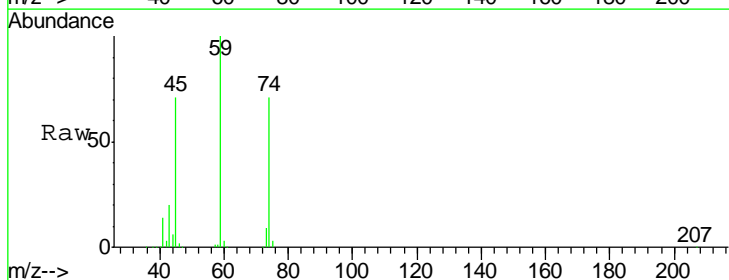
Manual Integrations
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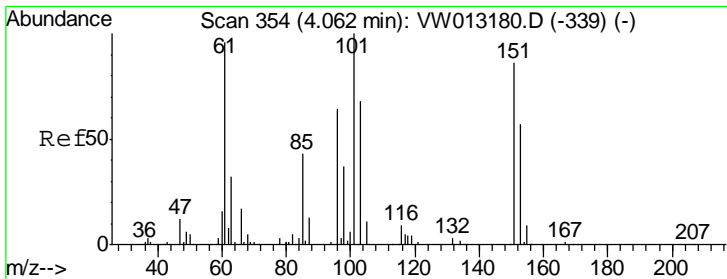
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#8
 Diethyl Ether
 Concen: 45.707 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

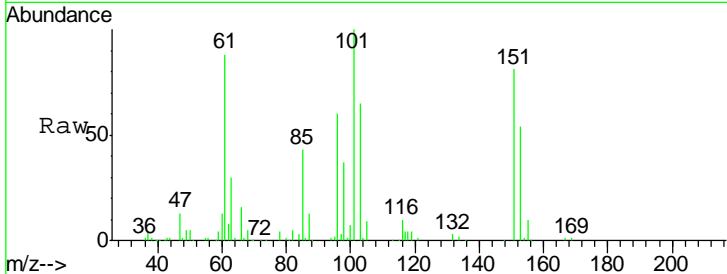
Tgt Ion	Resp	Lower	Upper
74	81799		
45	101.4	49.5	148.7





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.351 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

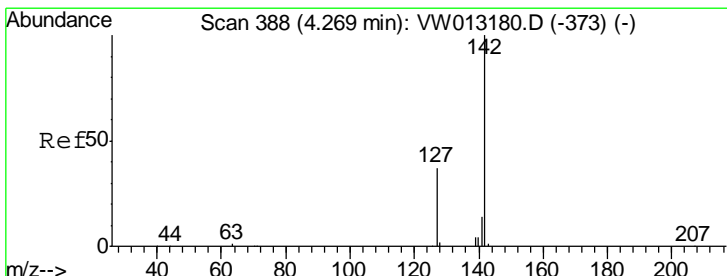
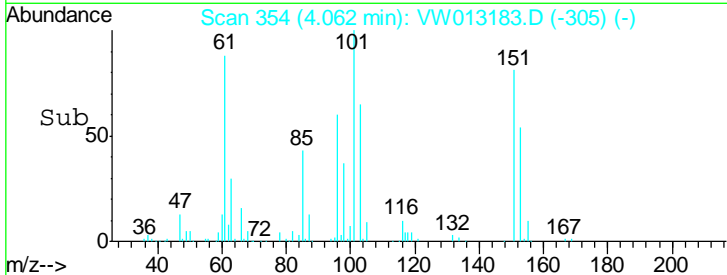
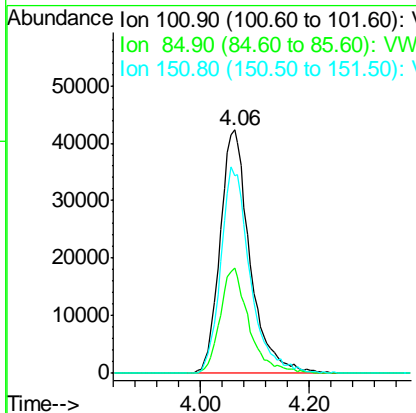
Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019



Tgt Ion	Resp	Lower	Upper
101	161521		
101	100		
85	42.0	33.4	50.0
151	83.1	66.9	100.3

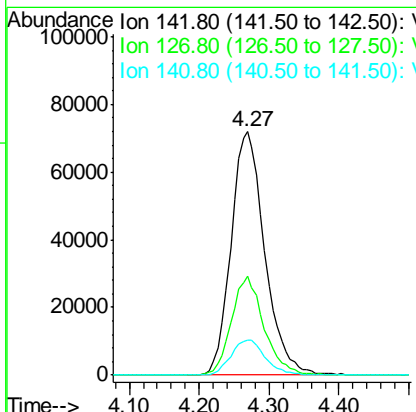
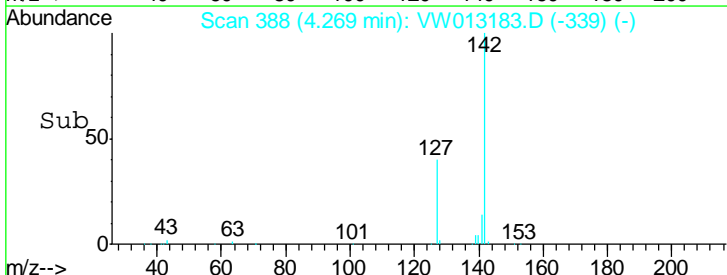
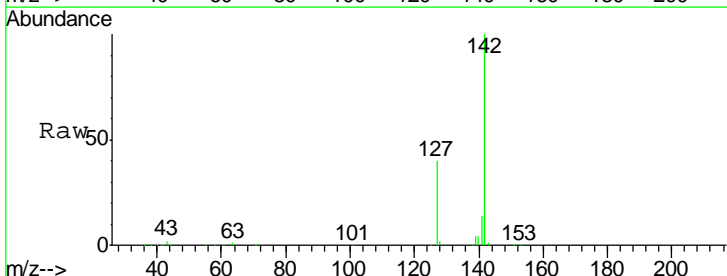
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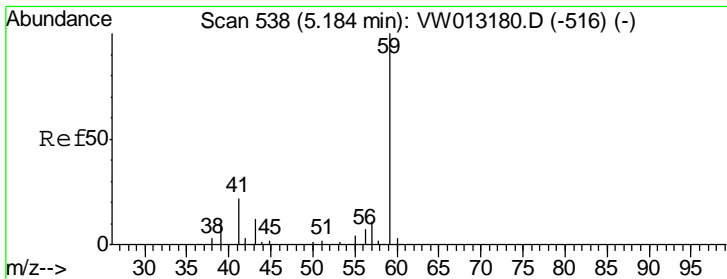
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#10
 Methyl Iodide
 Concen: 45.412 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
142	240168		
142	100		
127	39.2	30.9	46.3
141	14.8	11.7	17.5





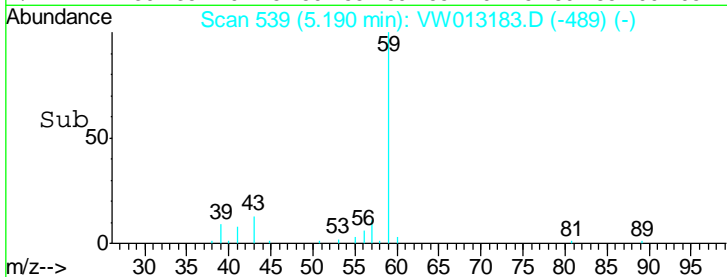
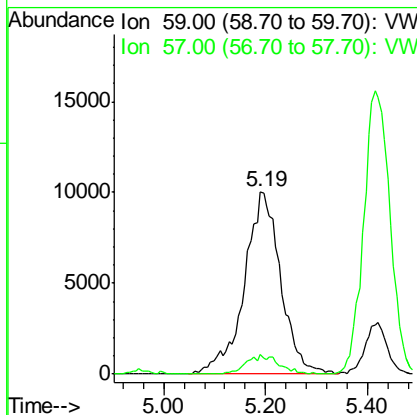
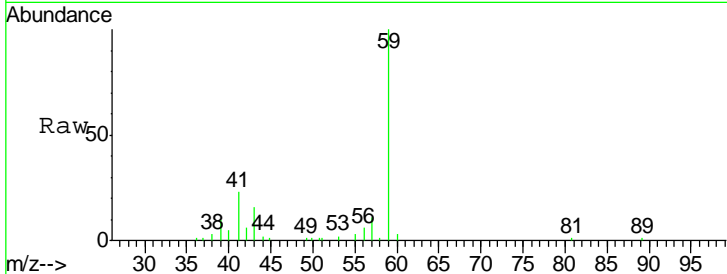
#11
 Tert butyl alcohol
 Concen: 221.285 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
59	49675	100	
57	5.7	8.2	12.2#

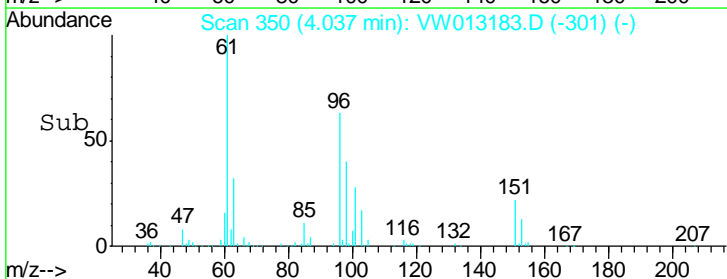
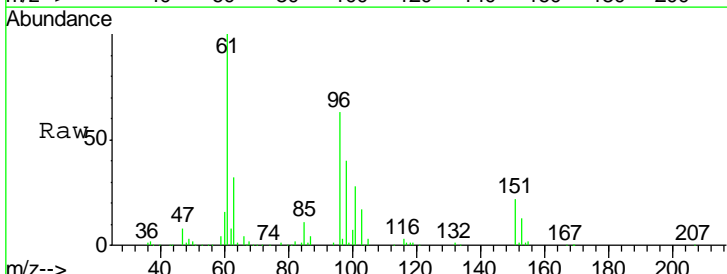
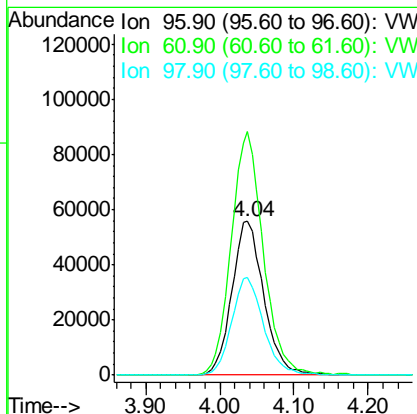
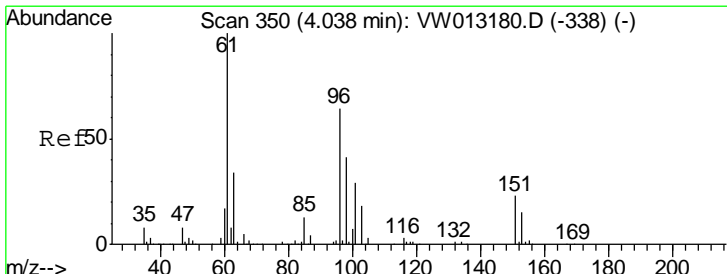
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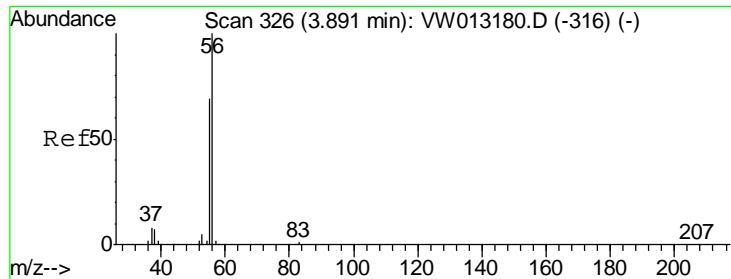
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#12
 1,1-Dichloroethene
 Concen: 47.612 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
96	168180	100	
61	158.2	125.1	187.7
98	63.7	50.8	76.2





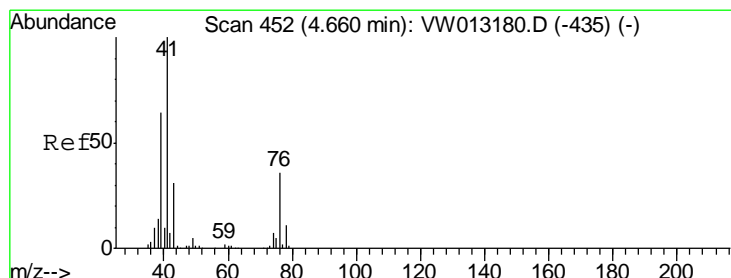
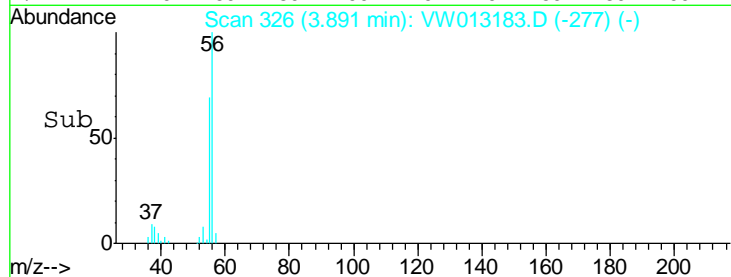
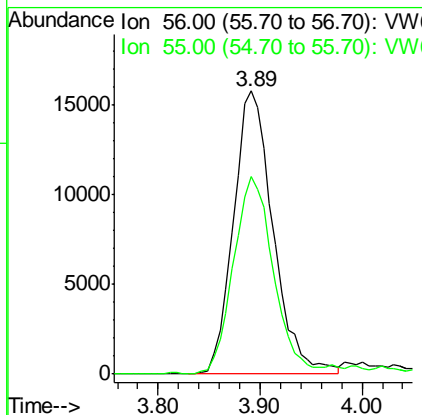
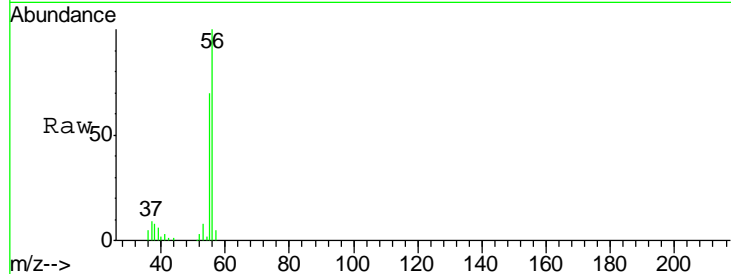
#13
 Acrolein
 Concen: 238.111 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
56	42521		
55	70.5	55.4	83.0

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

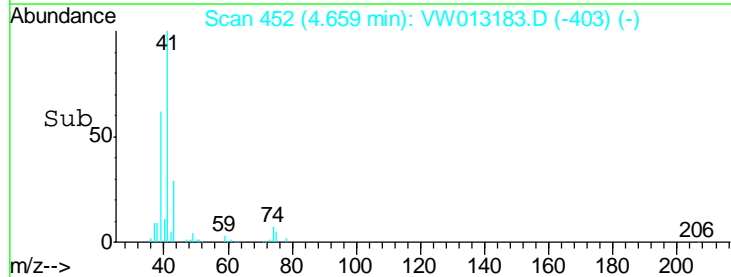
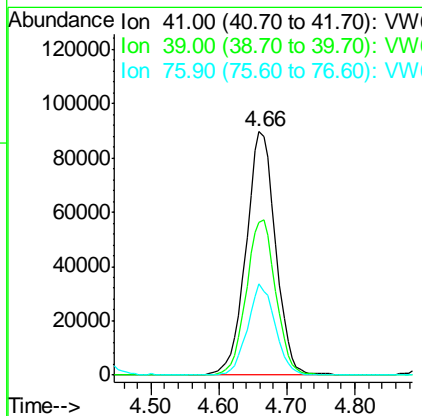
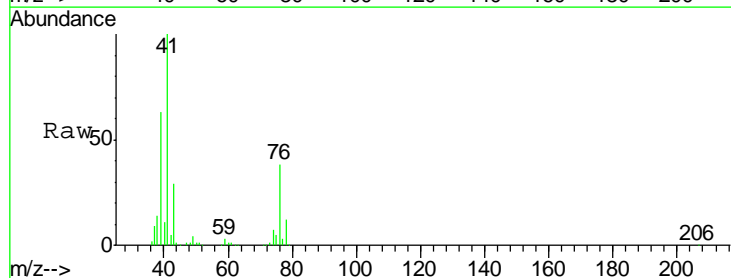
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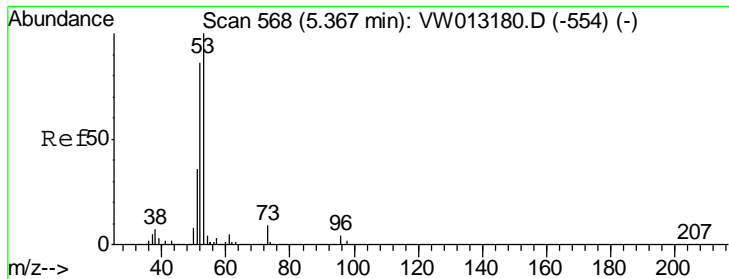
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#14
 Allyl chloride
 Concen: 48.241 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
41	271196		
39	63.7	51.0	76.4
76	35.1	28.4	42.6





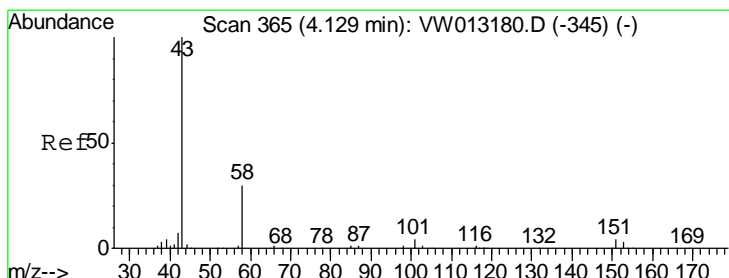
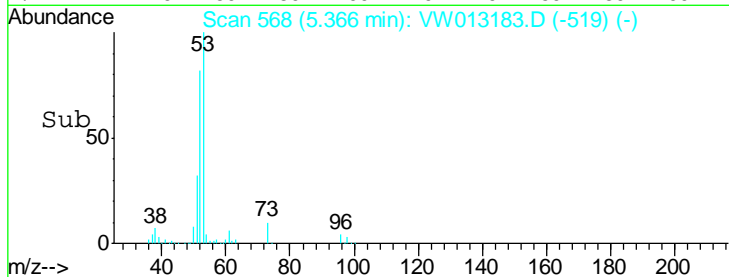
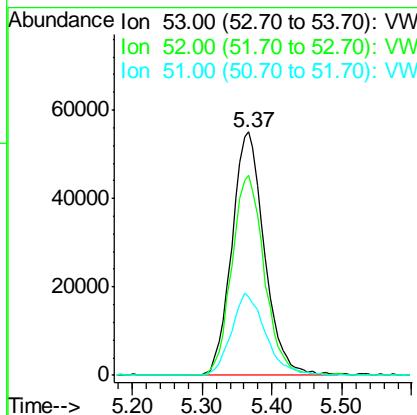
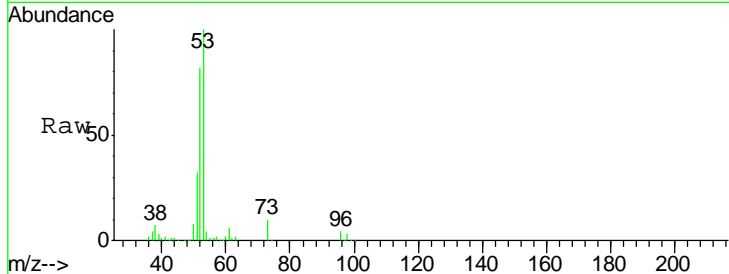
#15
 Acrylonitrile
 Concen: 230.623 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
53	178143		
52	81.8	65.3	97.9
51	35.3	29.0	43.4

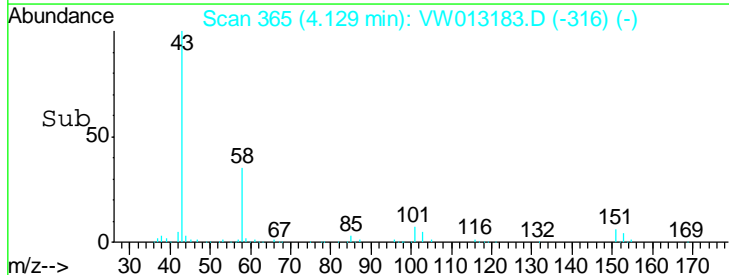
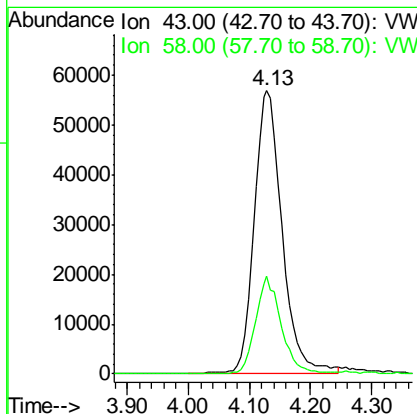
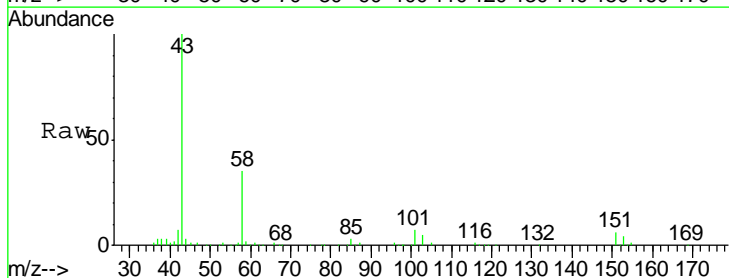
Manual Integrations
 APPROVED

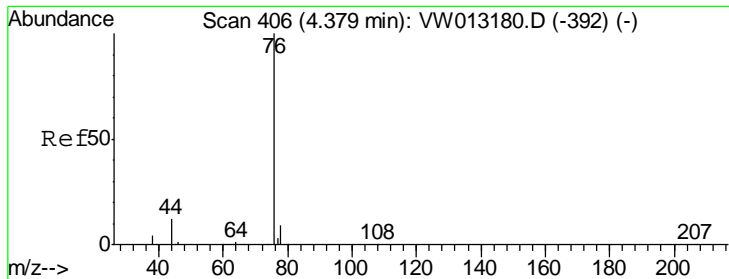
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#16
 Acetone
 Concen: 260.764 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

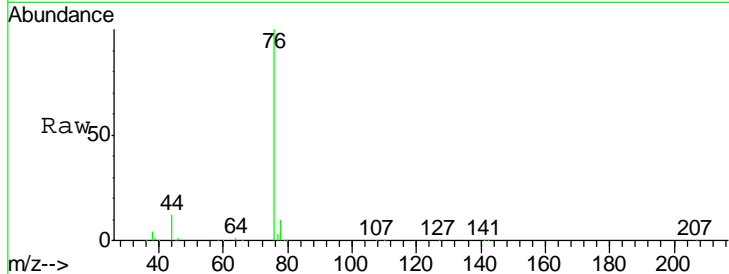
Tgt Ion	Resp	Lower	Upper
43	182423		
58	34.5	24.1	36.1





#17
 Carbon Disulfide
 Concen: 48.277 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

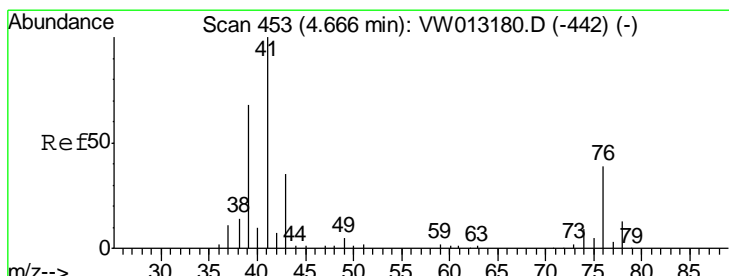
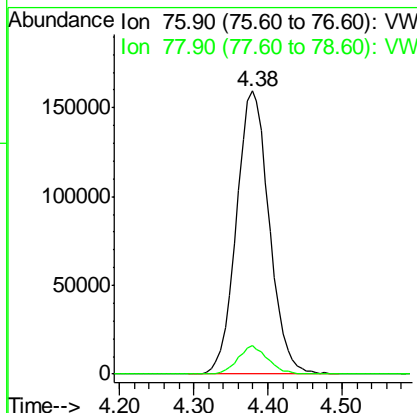
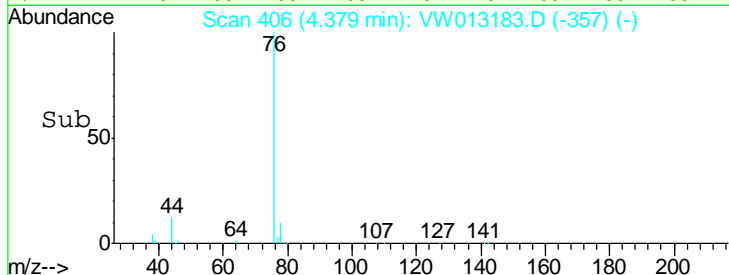
Instrument : MSVOA_W
 Client Sampled : ICVVW092019



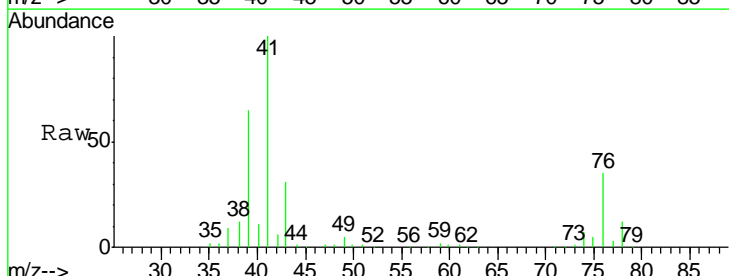
Tgt Ion: 76 Resp: 492891
 Ion Ratio Lower Upper
 76 100
 78 10.1 7.0 10.4

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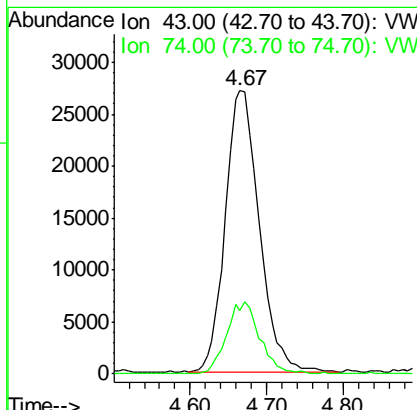
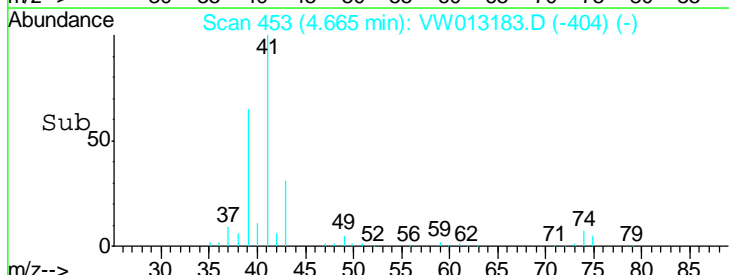
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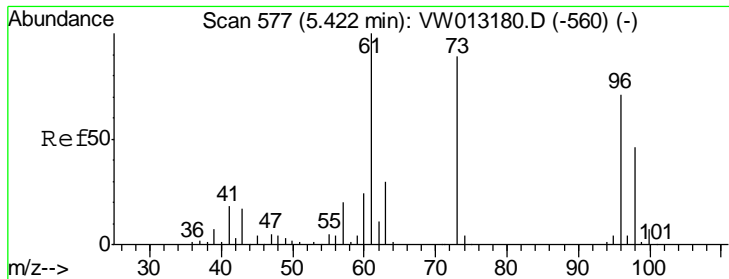


#18
 Methyl Acetate
 Concen: 42.530 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion: 43 Resp: 83635
 Ion Ratio Lower Upper
 43 100
 74 24.9 19.3 28.9



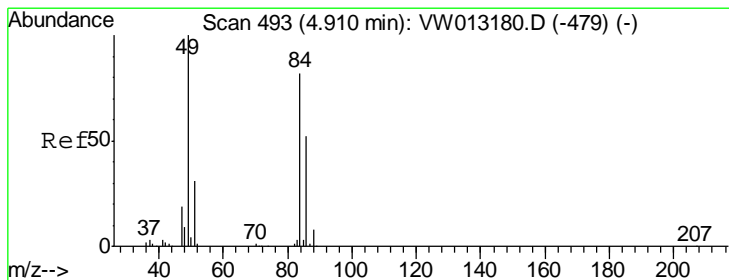
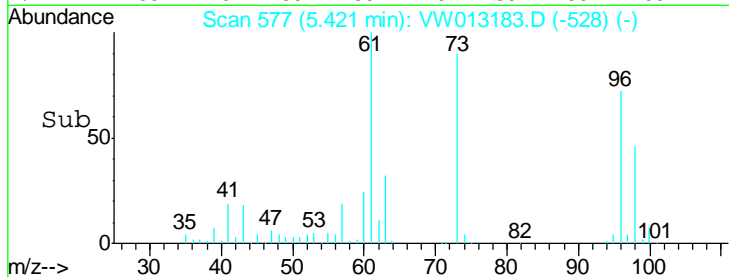
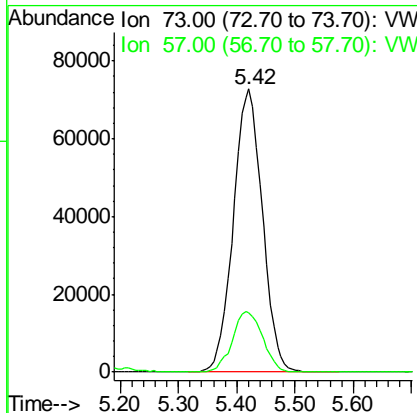
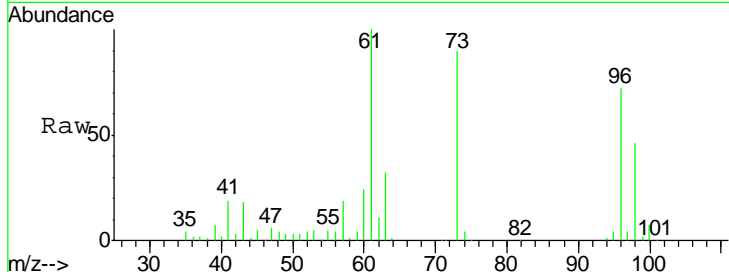


#19
 Methyl tert-butyl Ether
 Concen: 46.522 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
73	100		
57	20.9	17.6	26.4

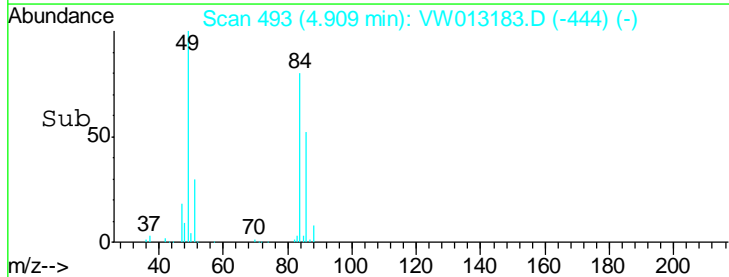
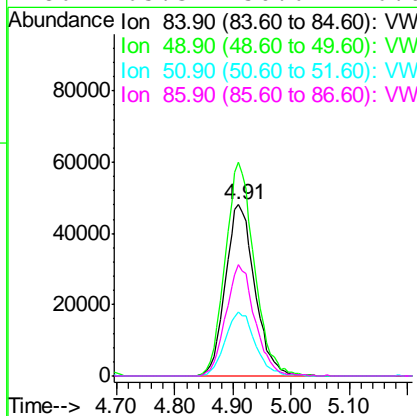
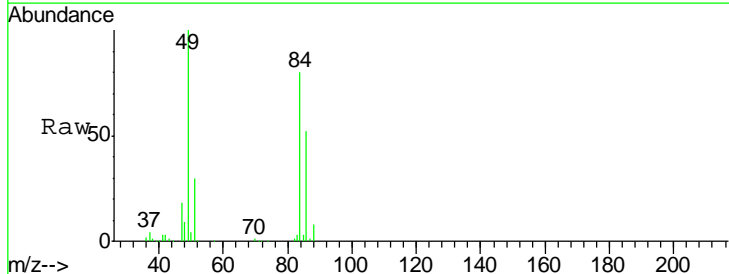
Instrument : MSVOA_W
 ClientSampled : ICVVW092019

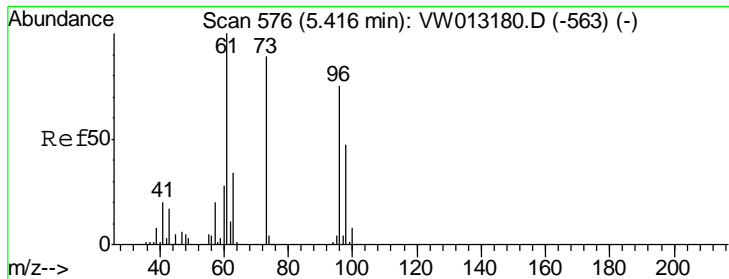
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#20
 Methylene Chloride
 Concen: 46.960 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

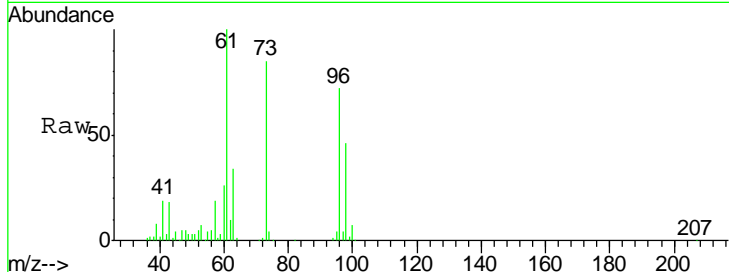
Tgt Ion	Resp	Lower	Upper
84	100		
49	124.9	97.6	146.4
51	37.8	30.2	45.2
86	65.3	50.6	76.0





#21
 trans-1,2-Dichloroethene
 Concen: 47.351 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

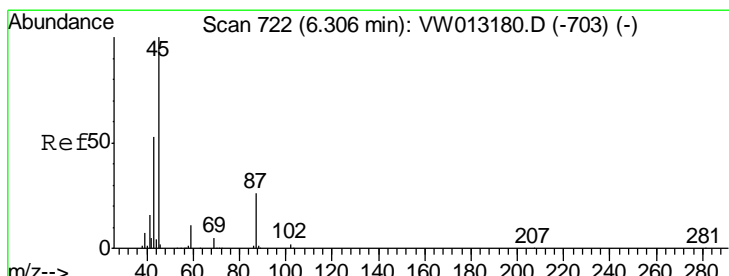
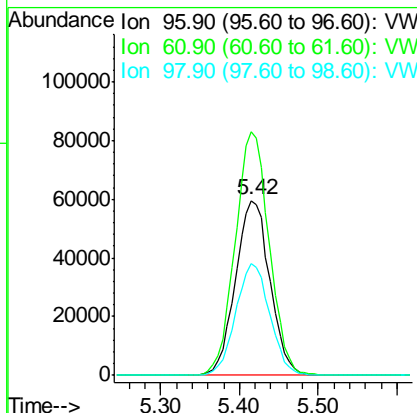
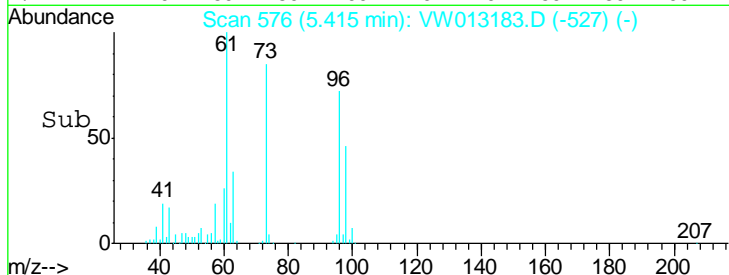
Instrument :
 MSVOA_W
 Client Sampled :
 ICVVW092019



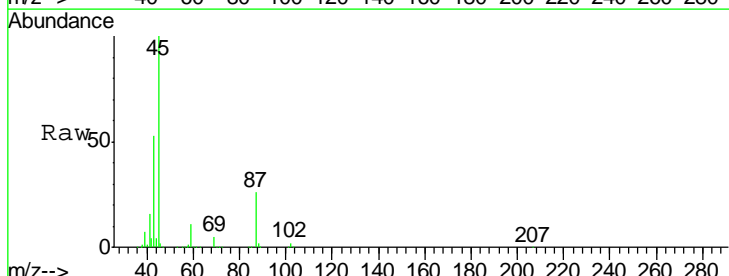
Tgt Ion: 96 Resp: 180775

Ion	Ratio	Lower	Upper
96	100		
61	139.3	106.6	159.8
98	63.7	49.8	74.8

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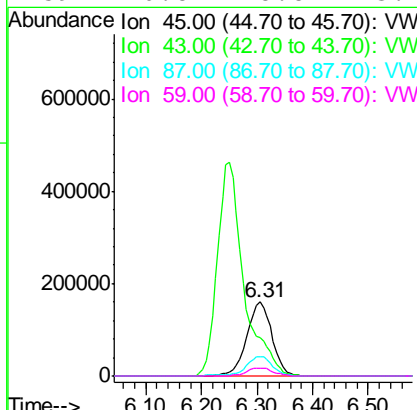
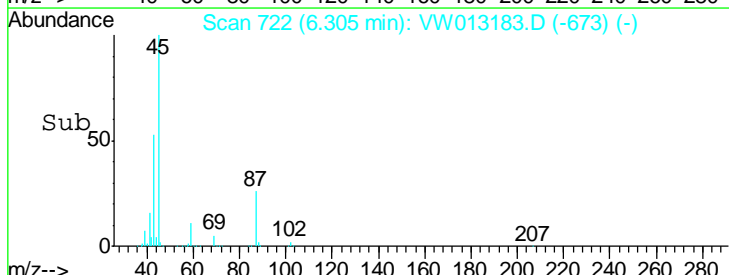


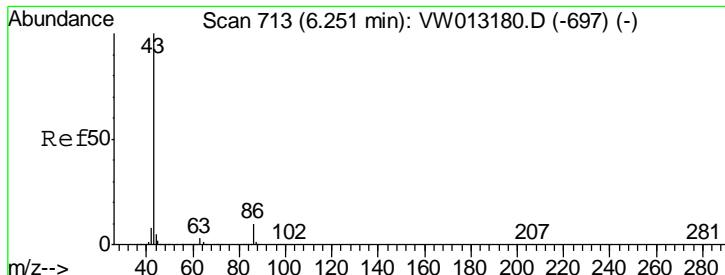
#22
 Diisopropyl ether
 Concen: 47.344 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion: 45 Resp: 506115

Ion	Ratio	Lower	Upper
45	100		
43	52.4	42.4	63.6
87	26.0	20.4	30.6
59	10.8	8.8	13.2





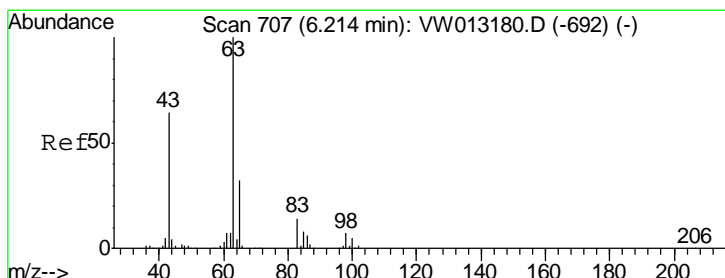
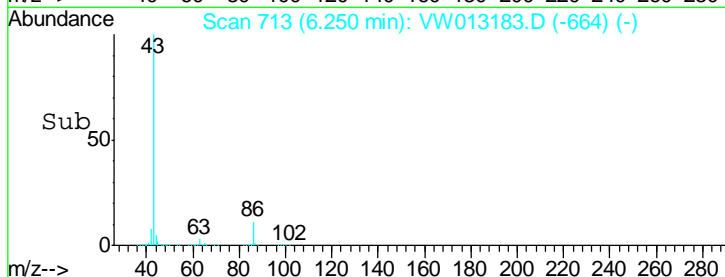
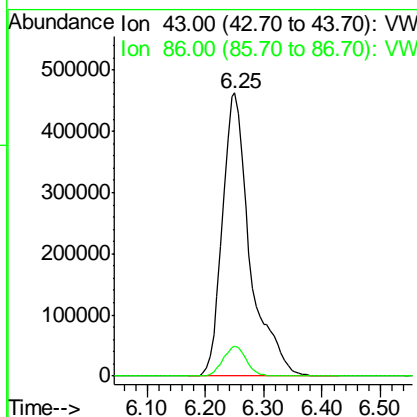
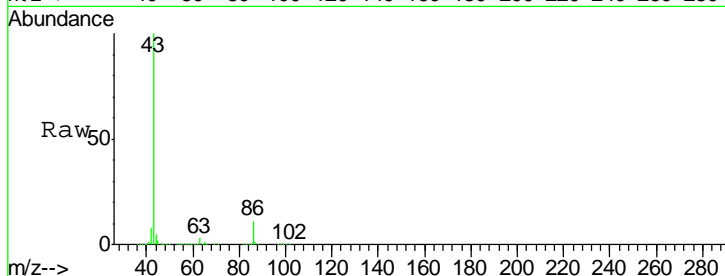
#23
 Vinyl Acetate
 Concen: 240.191 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.7	8.3	12.5

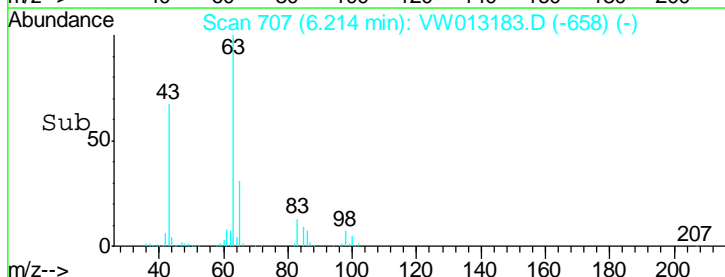
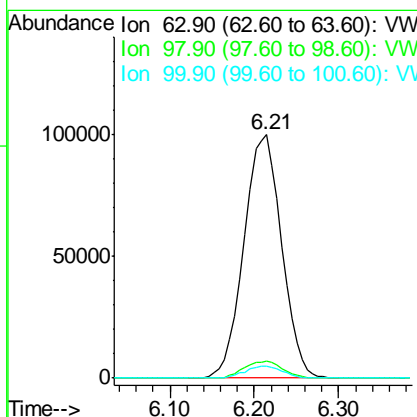
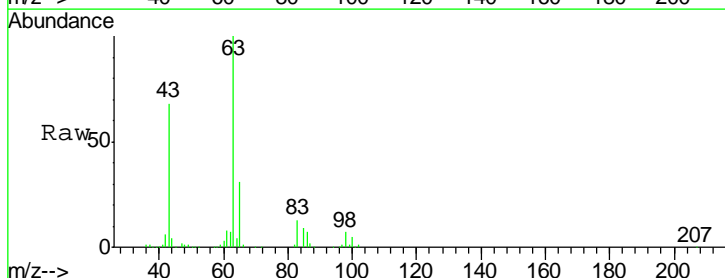
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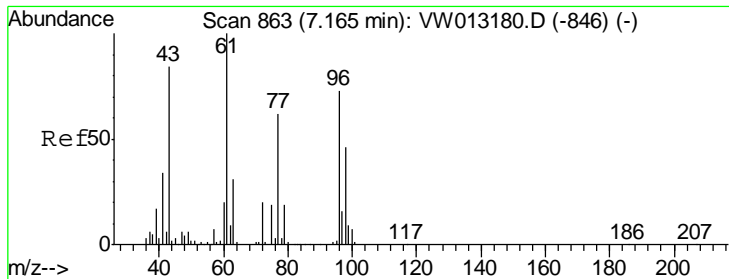
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#24
 1,1-Dichloroethane
 Concen: 47.162 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.7	2.4	7.1





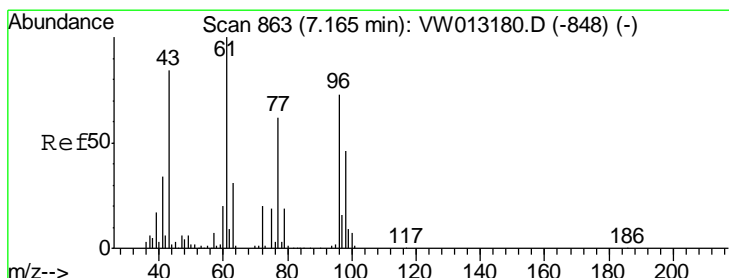
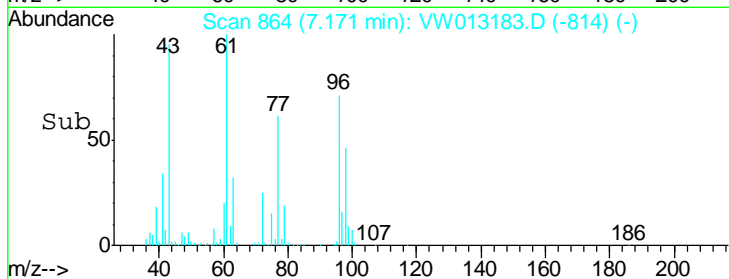
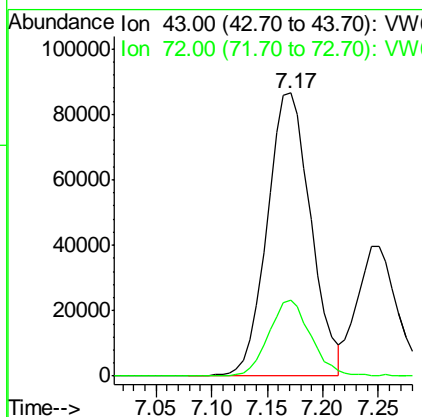
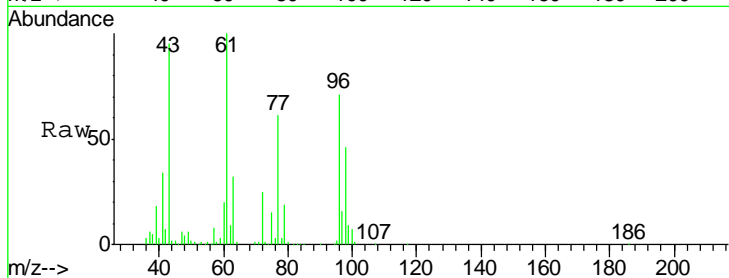
#25
 2-Butanone
 Concen: 224.132 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.9	19.4	29.0

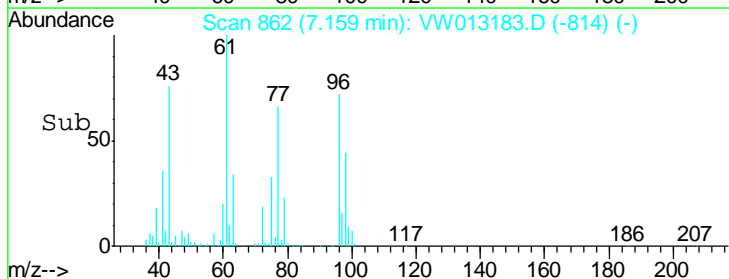
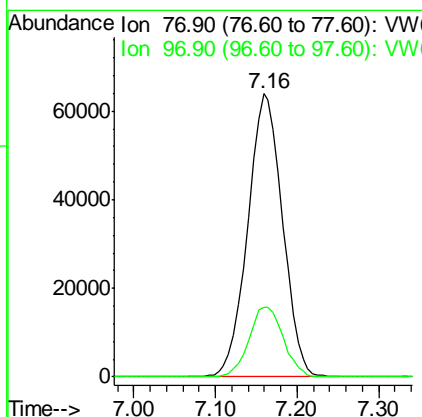
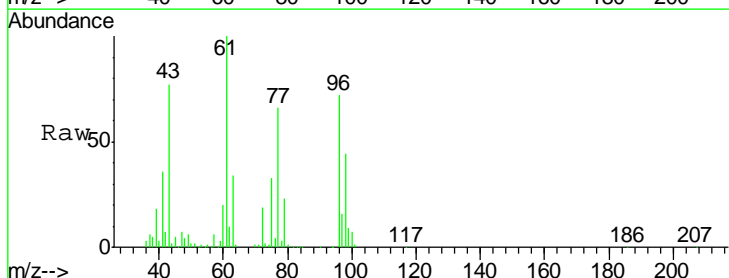
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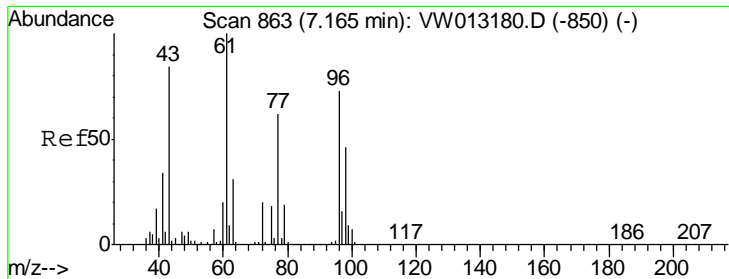
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#26
 2,2-Dichloropropane
 Concen: 49.055 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.3	11.8	35.4





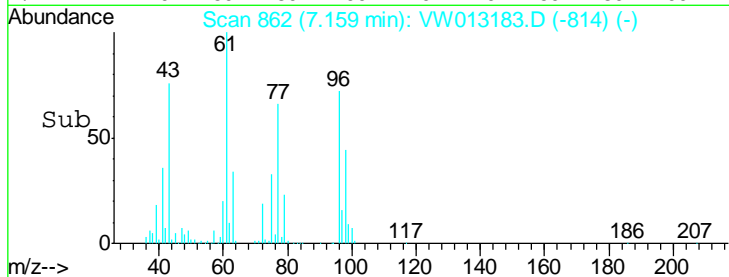
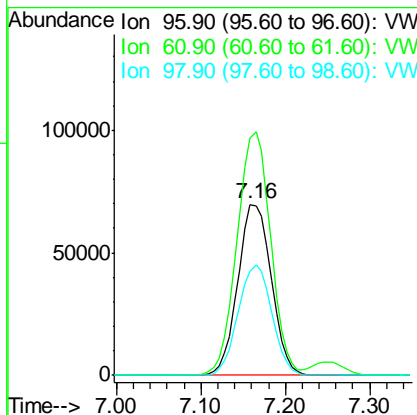
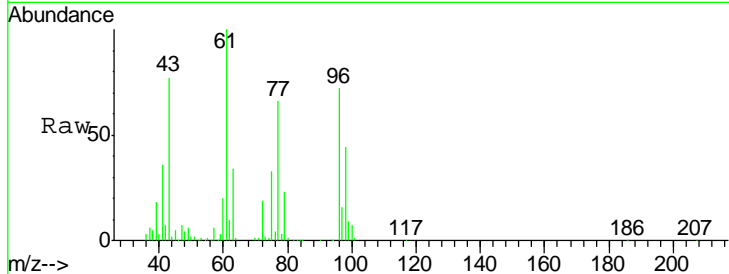
#27
 cis-1,2-Dichloroethene
 Concen: 46.618 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
96	187826		
96	100		
61	142.8	0.0	282.4
98	64.9	0.0	128.2

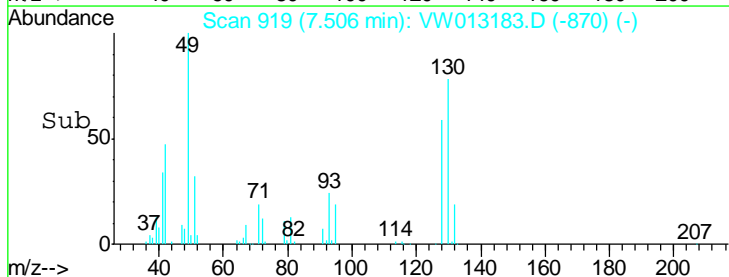
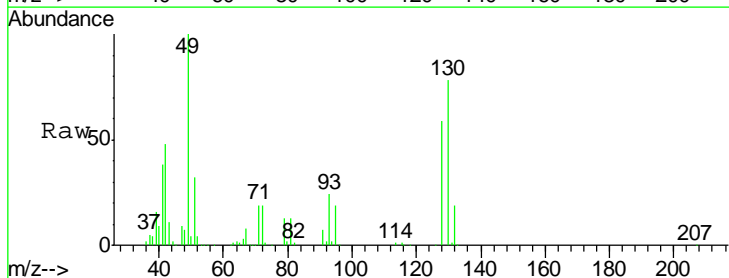
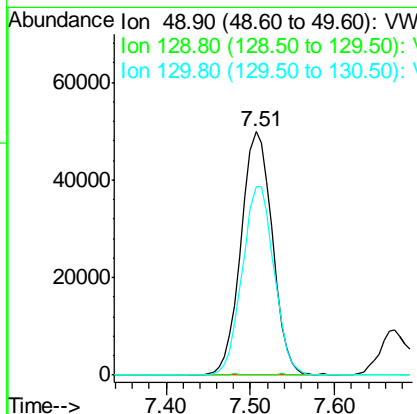
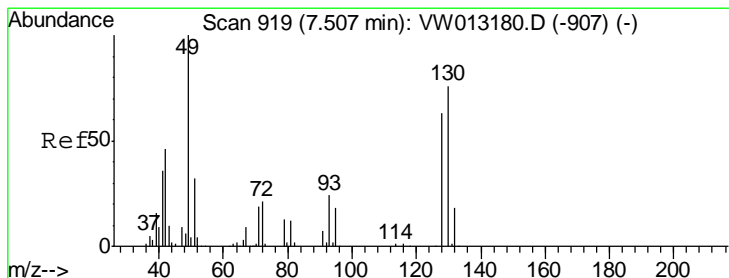
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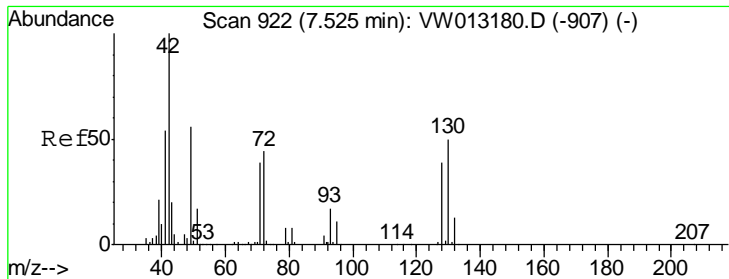
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#28
 Bromochloromethane
 Concen: 50.633 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
49	125358		
49	100		
129	0.0	0.0	1.0
130	78.7	63.4	95.2





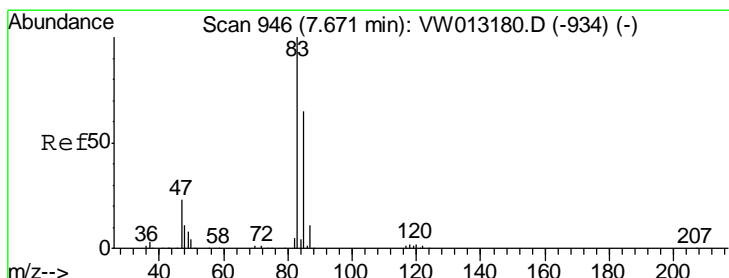
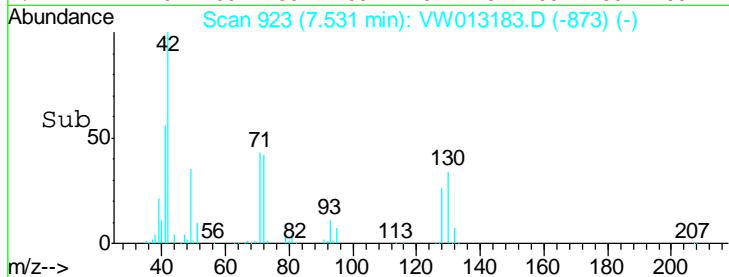
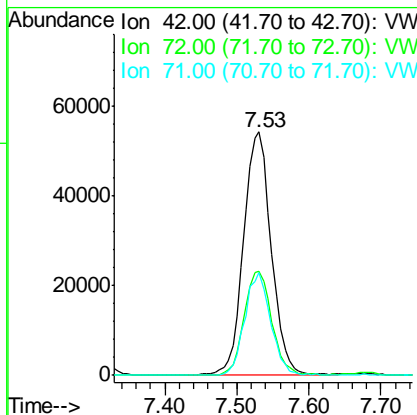
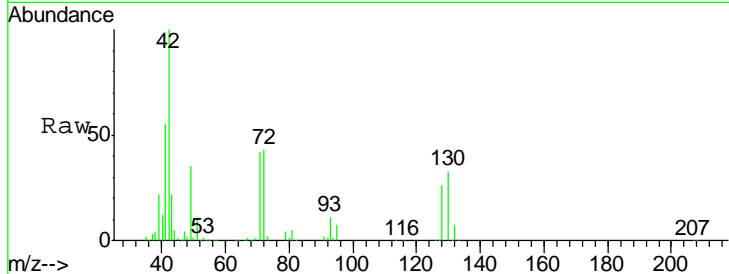
#29
 Tetrahydrofuran
 Concen: 225.981 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
42	145540		
72	42.6	33.9	50.9
71	39.6	31.9	47.9

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

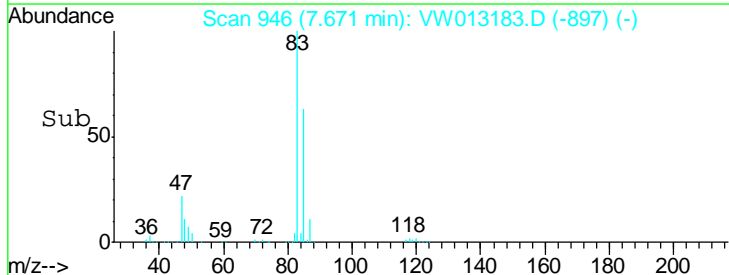
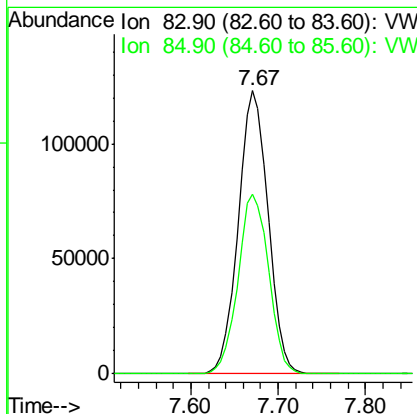
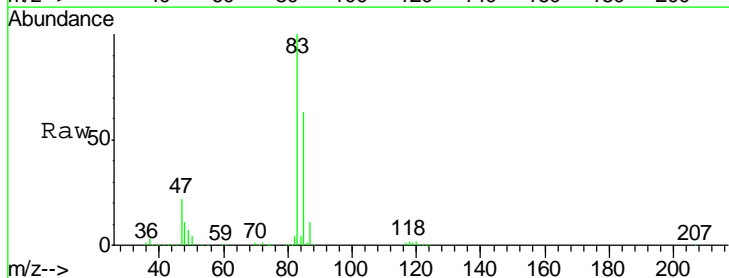
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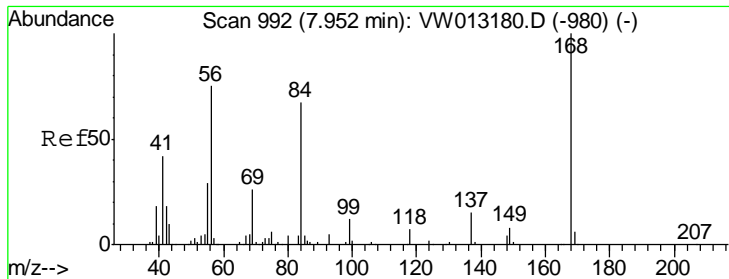
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#30
 Chloroform
 Concen: 46.141 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
83	291405		
85	63.3	52.3	78.5





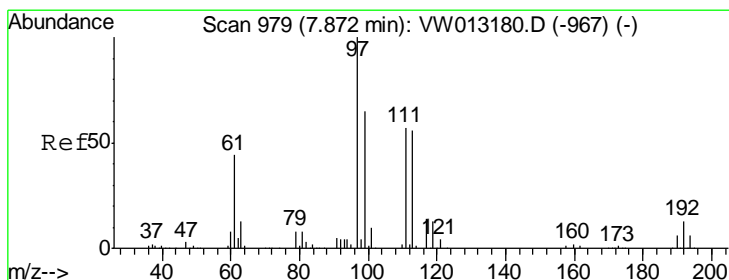
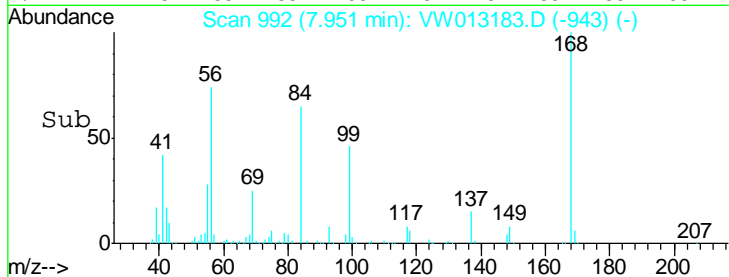
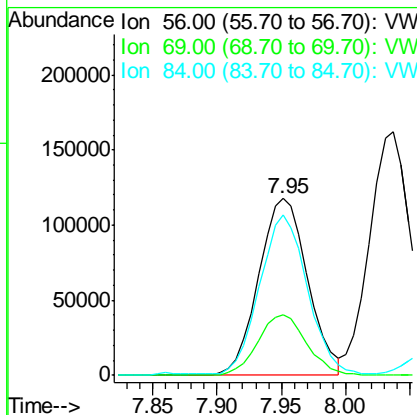
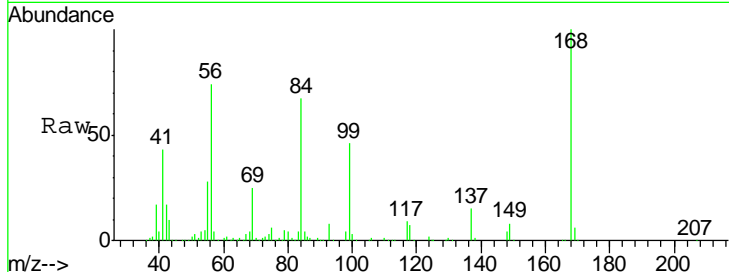
#31
 Cyclohexane
 Concen: 46.119 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
56	310113		
56	100		
69	34.4	27.2	40.8
84	89.6	70.8	106.2

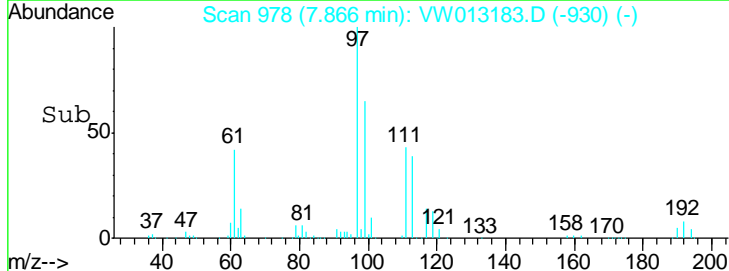
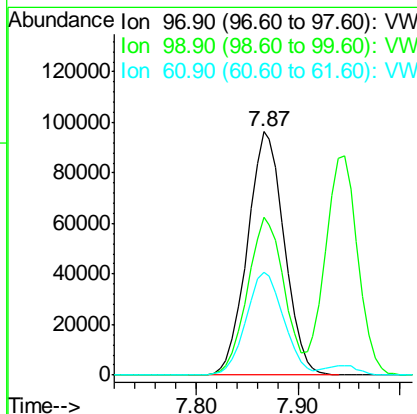
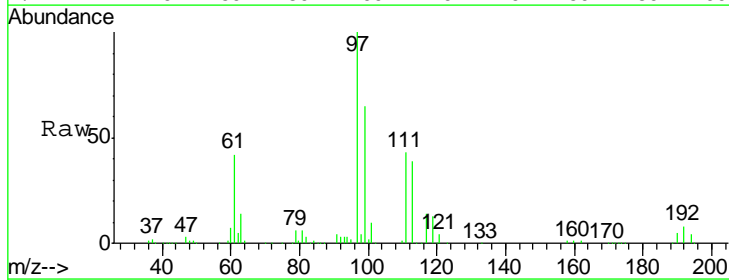
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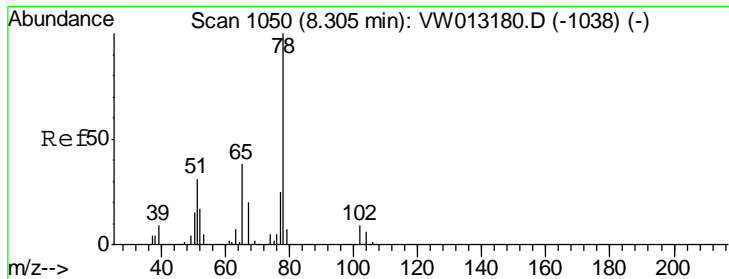
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#32
 1,1,1-Trichloroethane
 Concen: 47.253 ug/l
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
97	241702		
97	100		
99	64.0	51.7	77.5
61	42.9	34.6	51.8





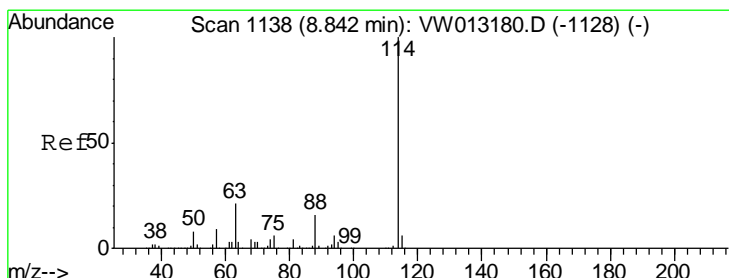
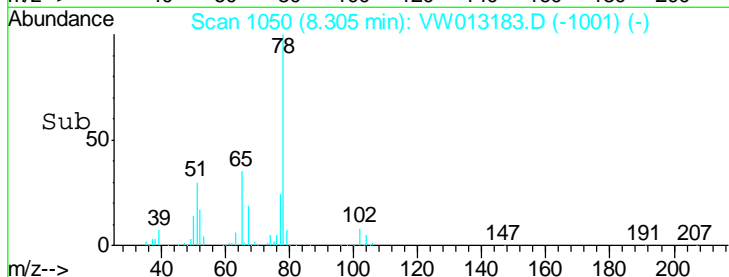
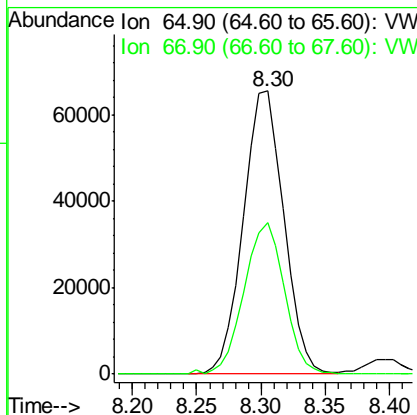
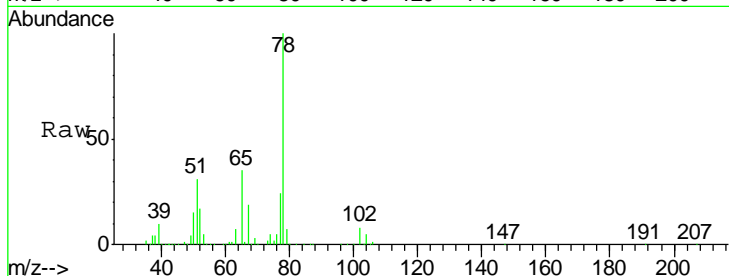
#33
 1,2-Dichloroethane-d4
 Concen: 46.070 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVW092019

Tgt Ion	Resp	Lower	Upper
65	142916		
65	100		
67	53.4	0.0	106.2

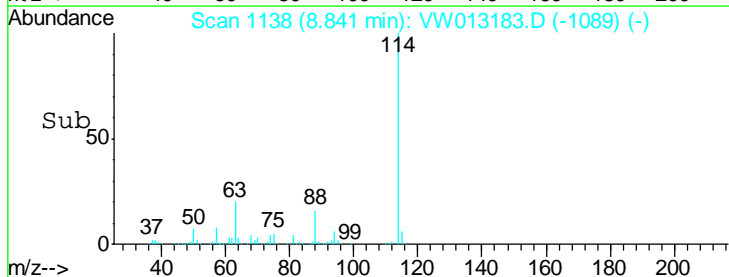
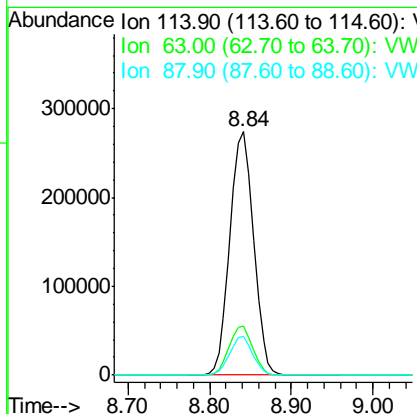
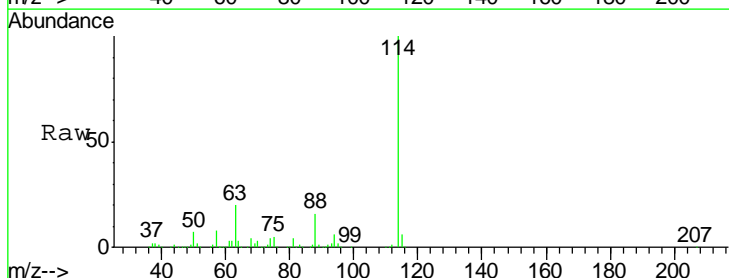
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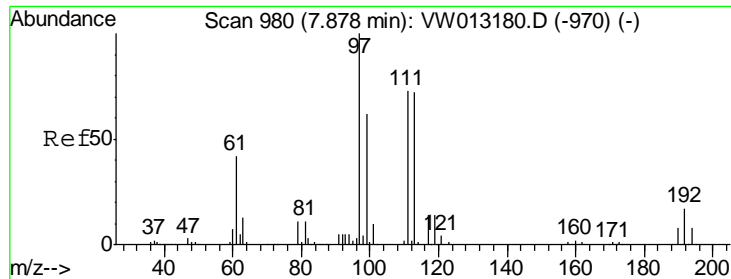
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
114	547785		
114	100		
63	20.0	0.0	41.4
88	15.9	0.0	32.0





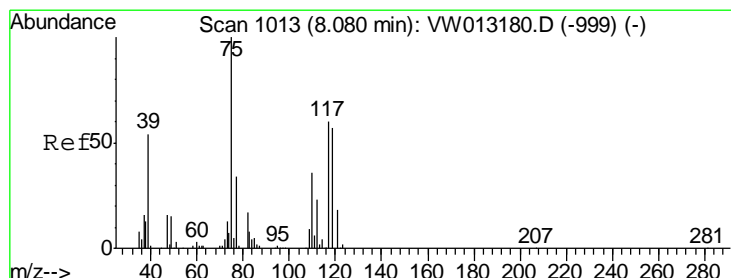
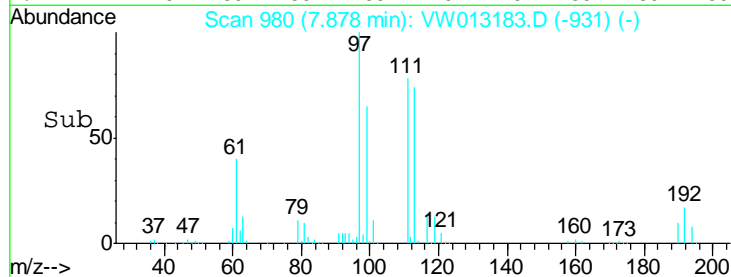
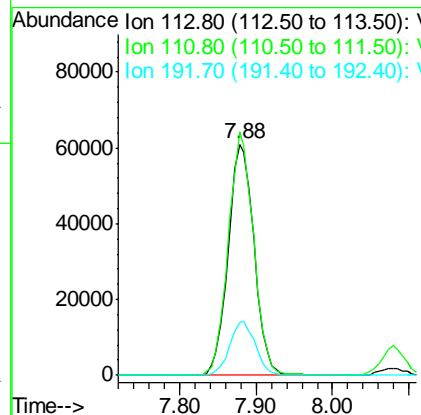
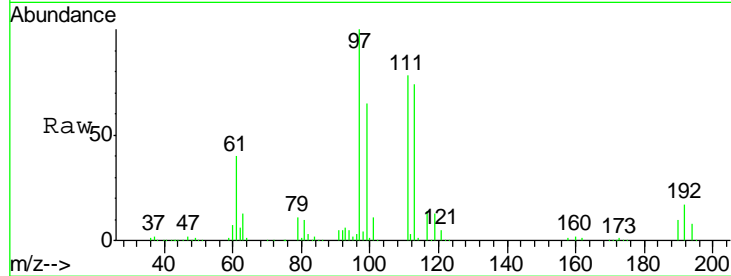
#35
 Dibromofluoromethane
 Concen: 47.354 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
113	142670		
111	102.6	81.9	122.9
192	23.0	19.1	28.7

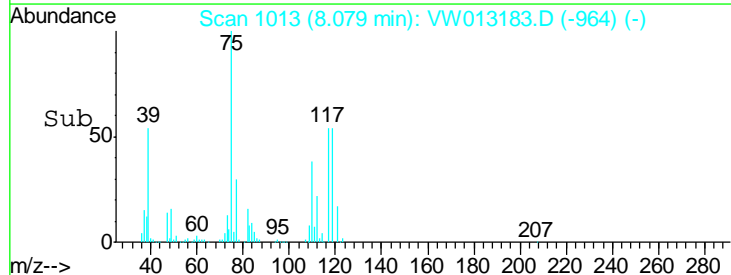
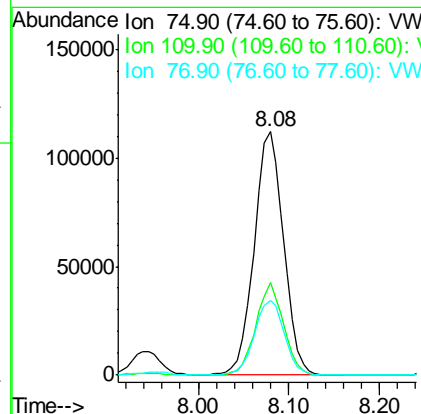
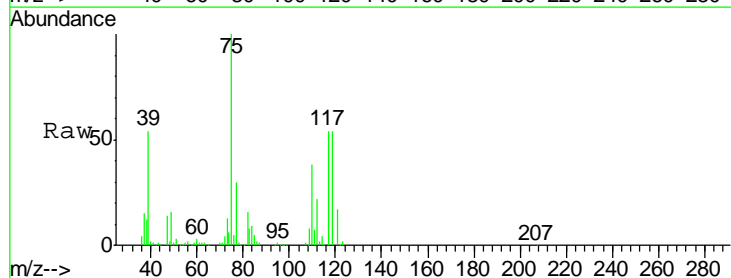
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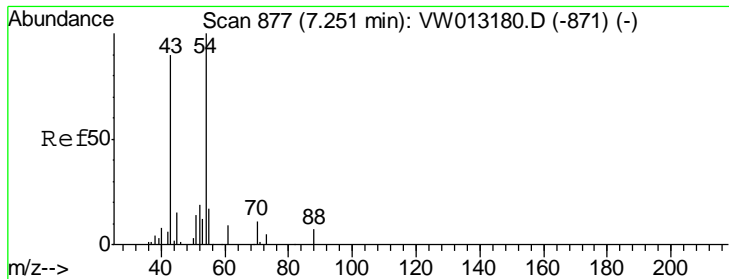
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#36
 1,1-Dichloropropene
 Concen: 47.230 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
75	250588		
110	35.8	18.1	54.3
77	31.5	25.8	38.6





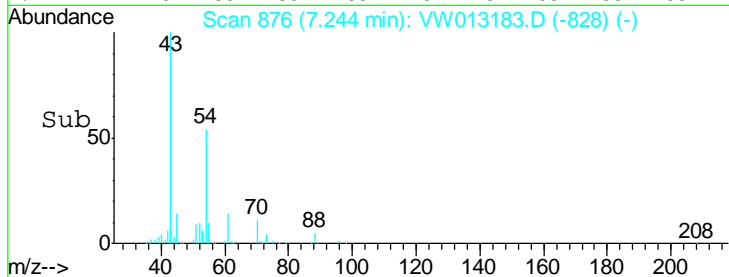
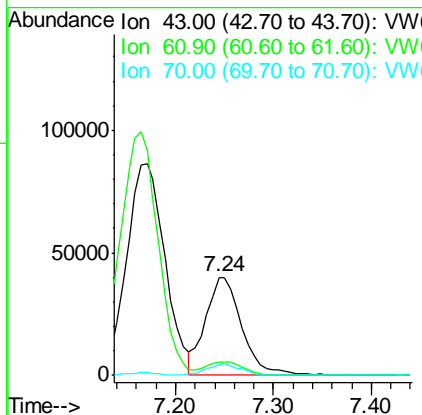
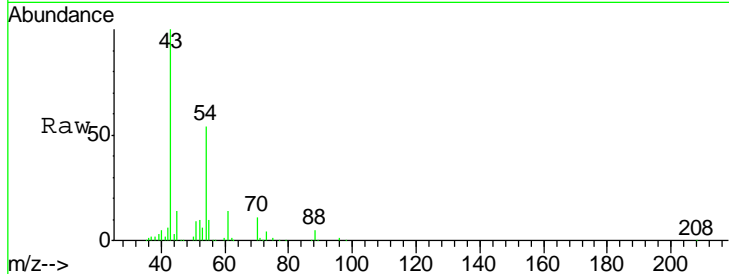
#37
 Ethyl Acetate
 Concen: 45.126 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	101755		
61	14.0	10.9	16.3
70	11.1	8.2	12.2

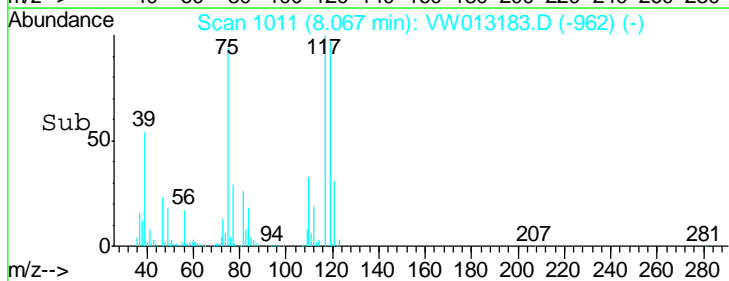
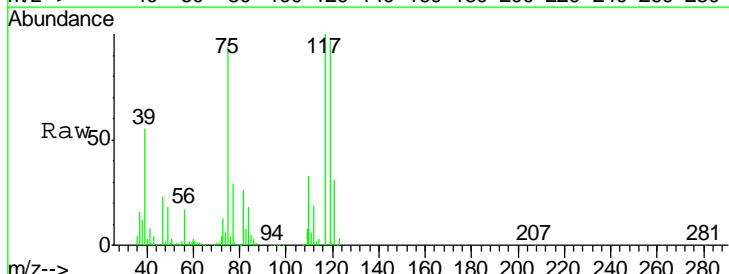
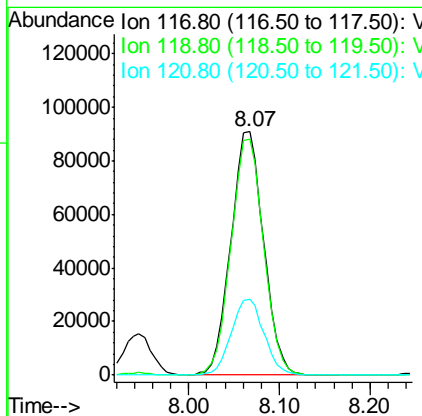
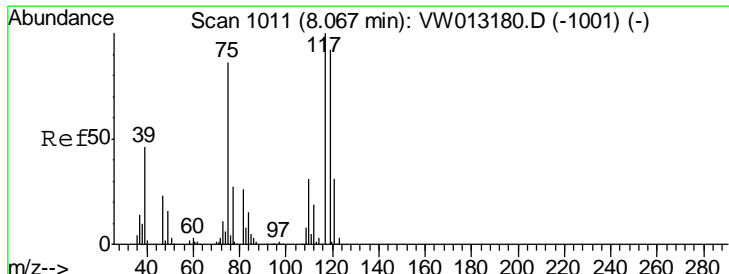
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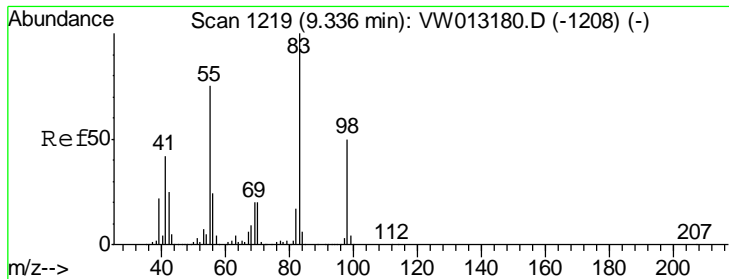
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#38
 Carbon Tetrachloride
 Concen: 47.901 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
117	227824		
119	96.8	73.5	110.3
121	30.9	25.0	37.6





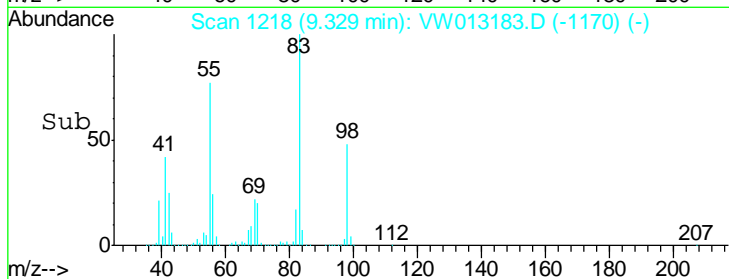
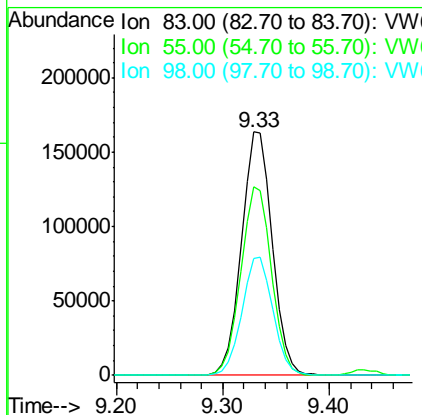
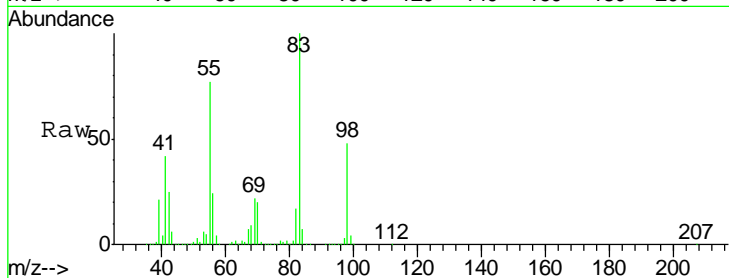
#39
 Methylcyclohexane
 Concen: 48.771 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
83	332539		
83	100		
55	77.4	60.4	90.6
98	47.8	40.0	60.0

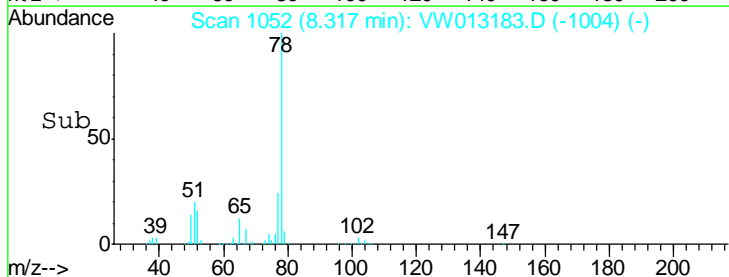
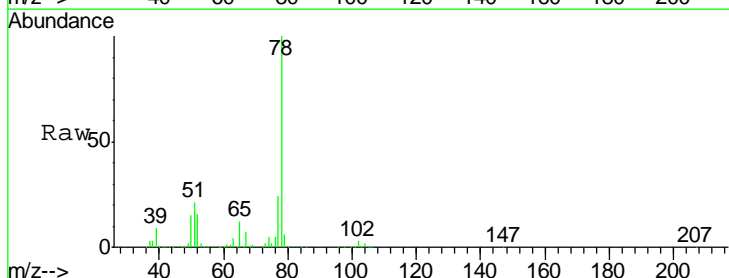
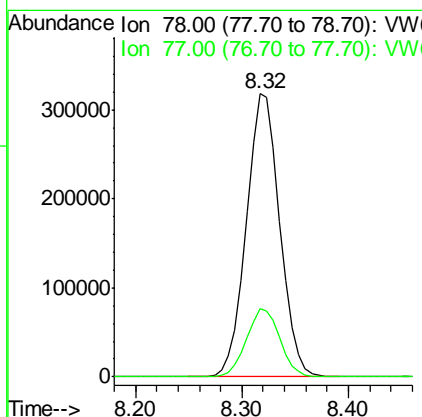
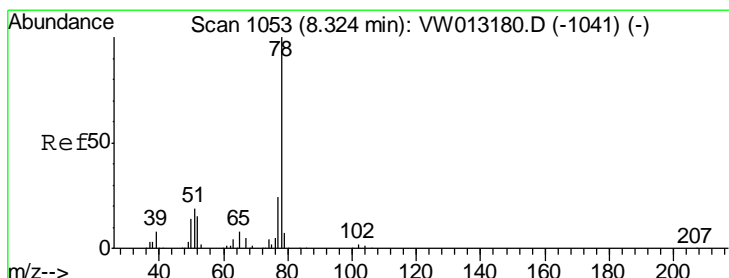
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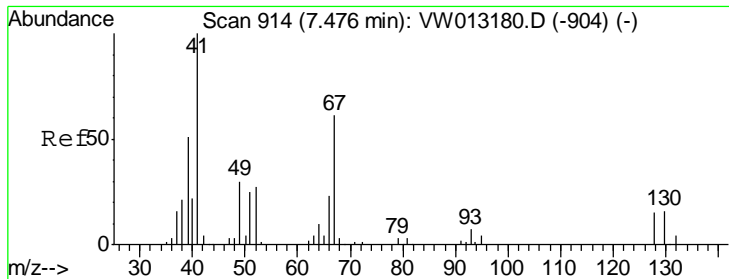
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#40
 Benzene
 Concen: 47.296 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

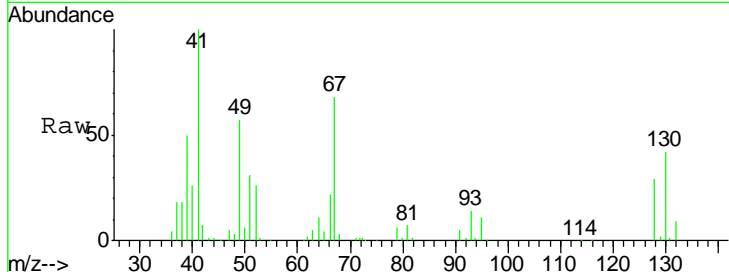
Tgt Ion	Resp	Lower	Upper
78	699939		
78	100		
77	24.0	19.1	28.7





#41
 Methacrylonitrile
 Concen: 45.973 ug/l
 RT: 7.48 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

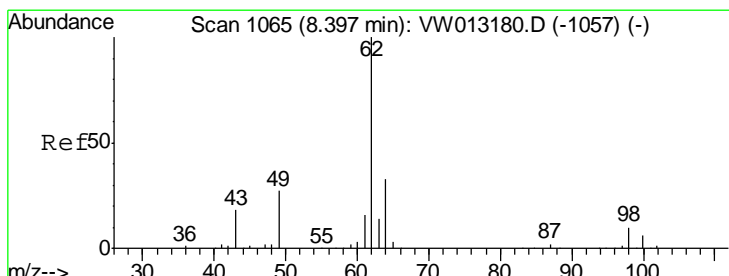
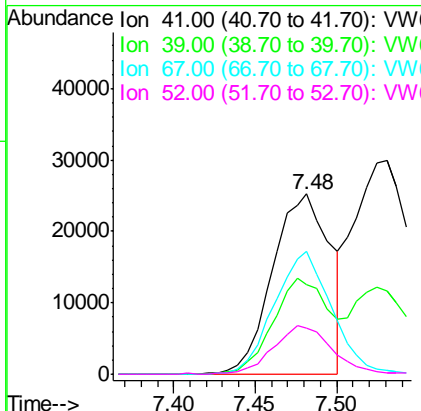
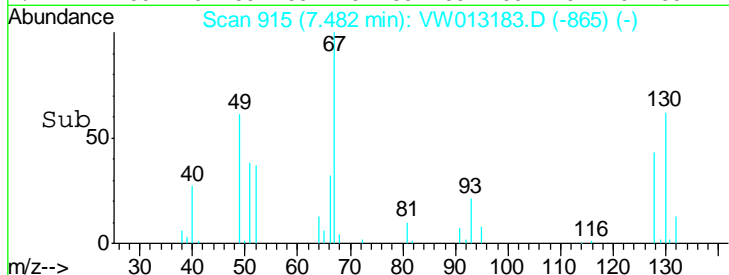


Tgt Ion: 41 Resp: 61871

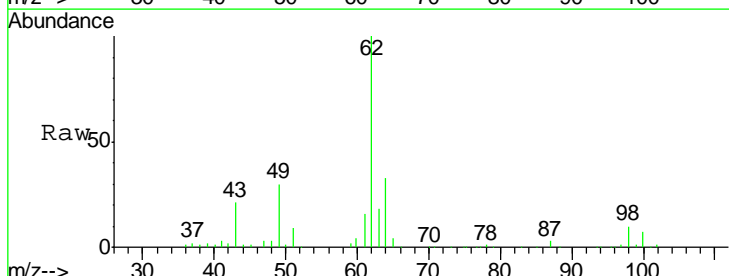
Ion	Ratio	Lower	Upper
41	100		
39	51.2	45.9	68.9
67	67.8	54.5	81.7
52	27.7	22.5	33.7

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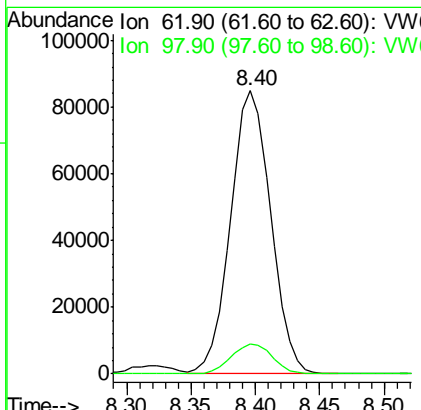
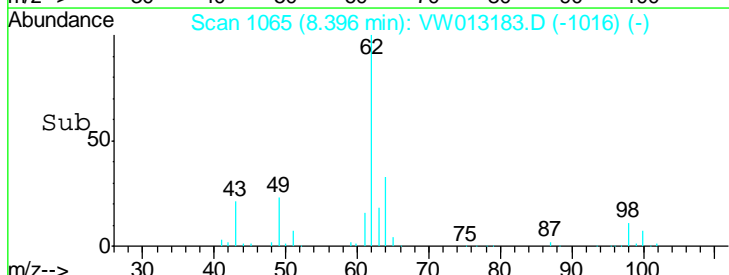


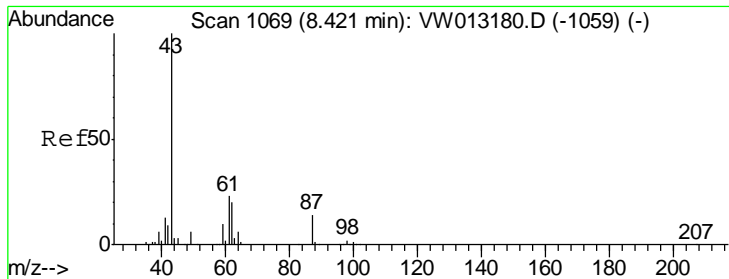
#42
 1,2-Dichloroethane
 Concen: 46.102 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion: 62 Resp: 183408

Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6





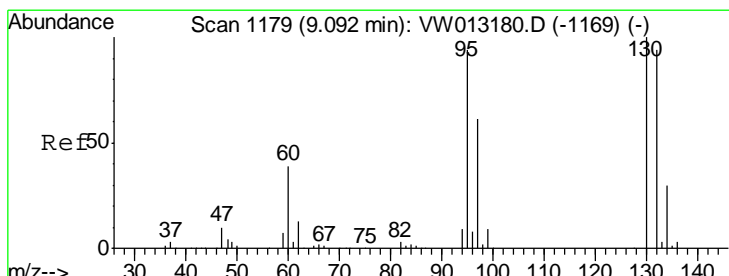
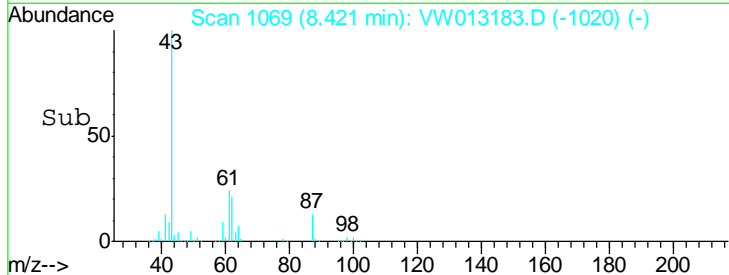
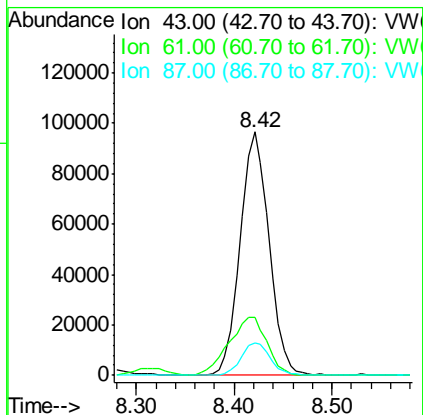
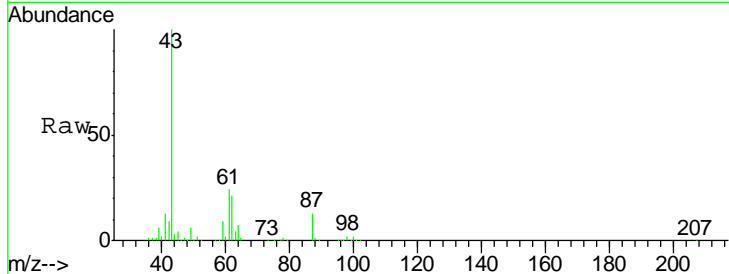
#43
 Isopropyl Acetate
 Concen: 45.726 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	197615		
61	31.7	25.5	38.3
87	13.6	11.0	16.4

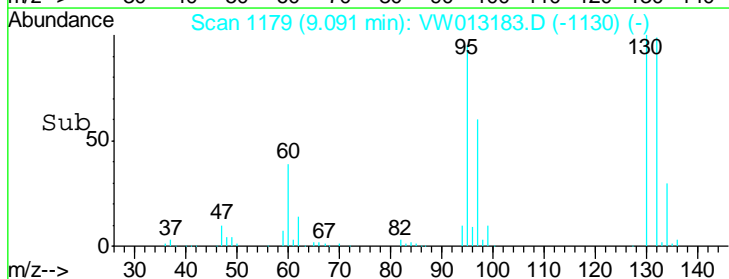
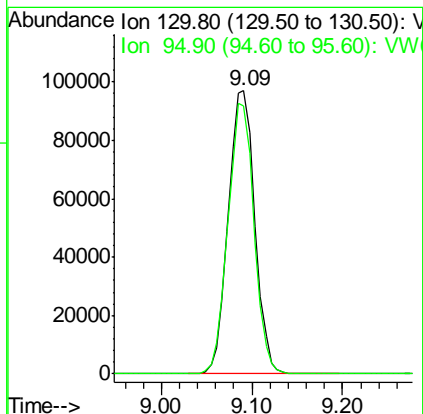
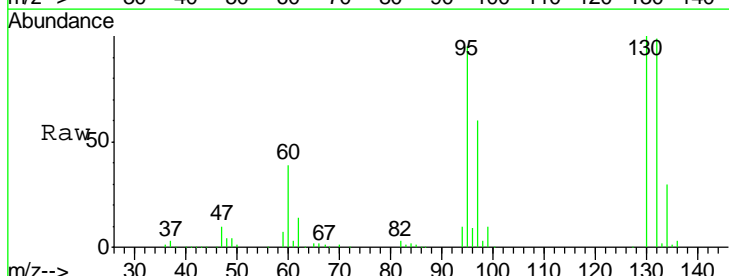
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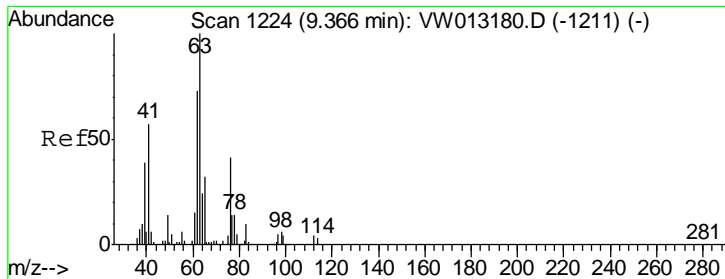
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#44
 Trichloroethene
 Concen: 47.287 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
130	196346		
95	94.6	0.0	188.0





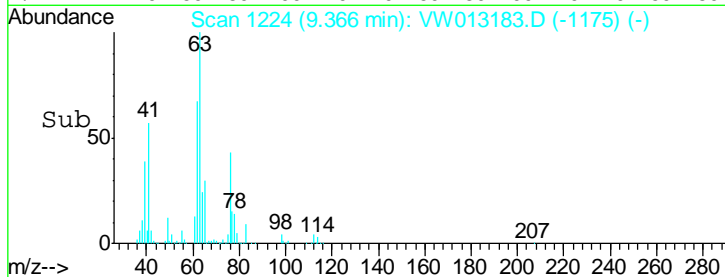
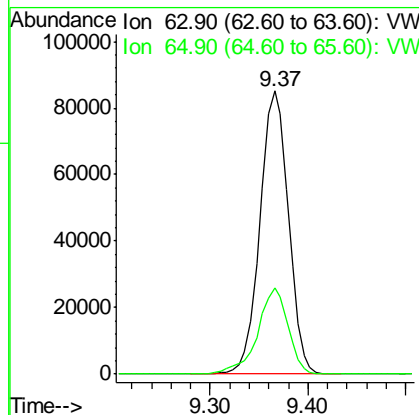
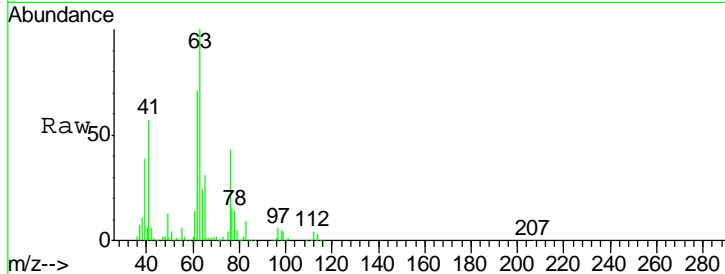
#45
 1,2-Dichloropropane
 Concen: 47.627 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
63	172081		
65	30.7	25.3	37.9

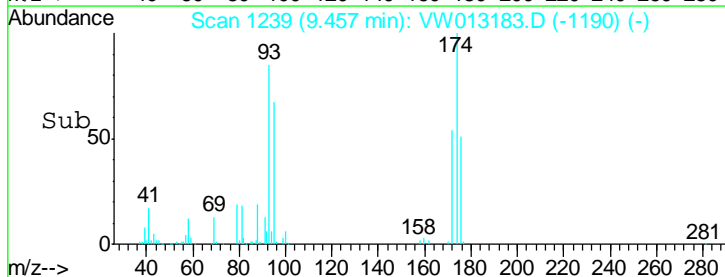
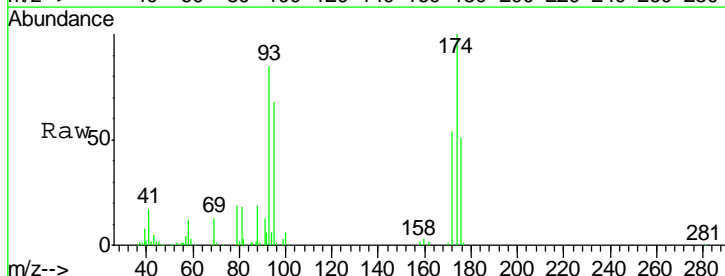
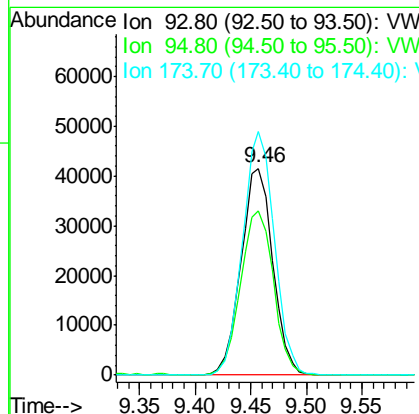
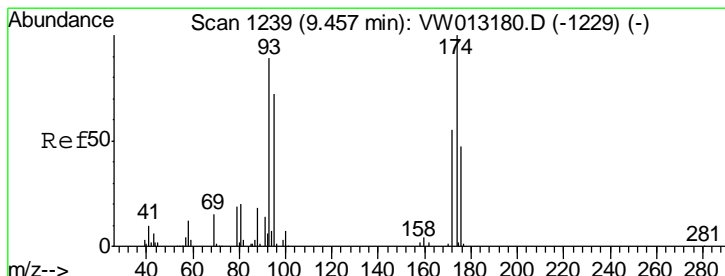
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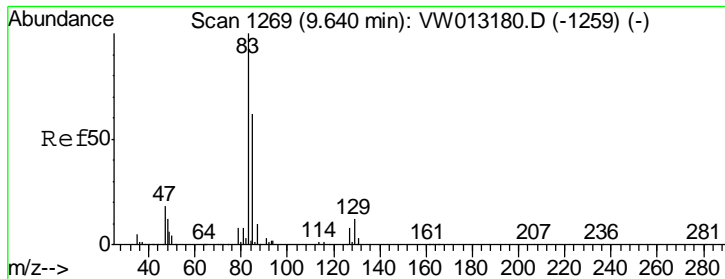
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#46
 Dibromomethane
 Concen: 47.009 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
93	82460		
95	82.2	66.4	99.6
174	117.8	93.0	139.6

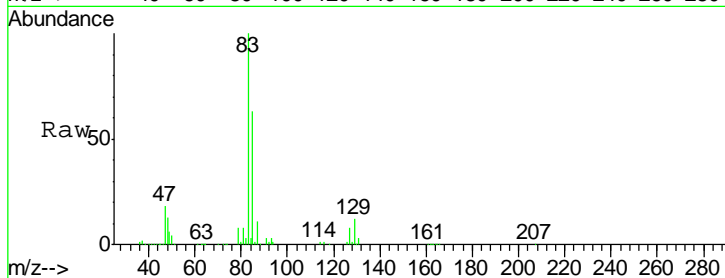




#47

Bromodichloromethane
 Concen: 47.957 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

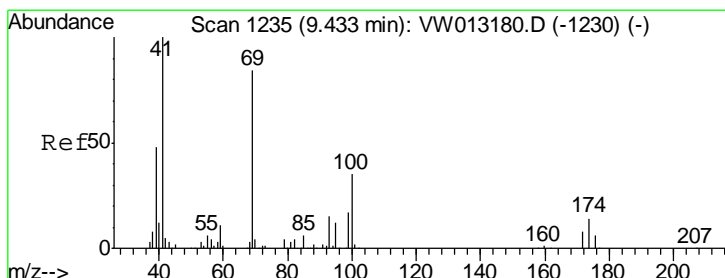
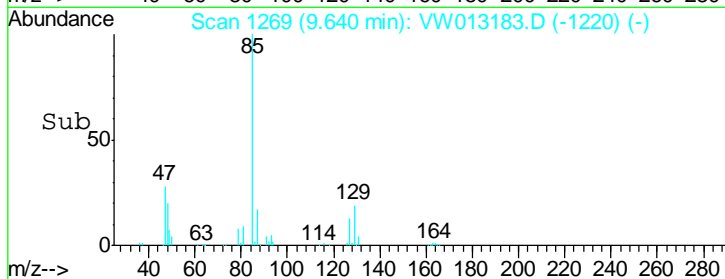
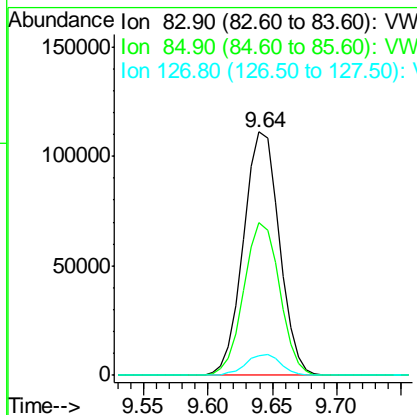
Instrument : MSVOA_W
 ClientSampled : ICVVW092019



Tgt Ion	Resp	Lower	Upper
83	100		
85	62.5	49.4	74.2
127	8.3	6.5	9.7

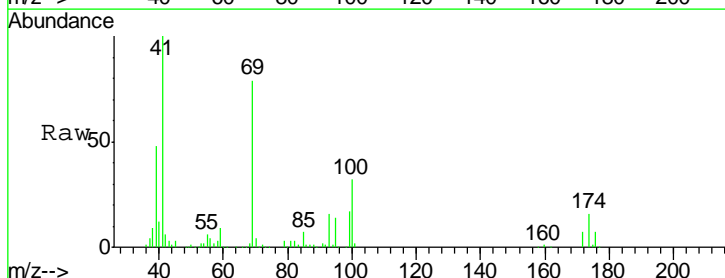
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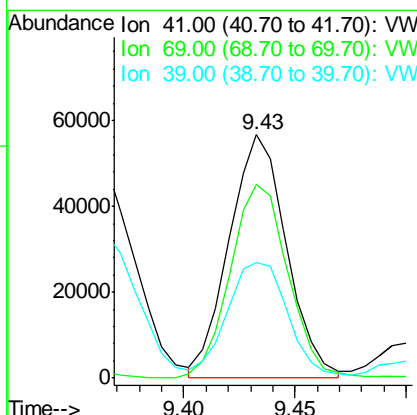
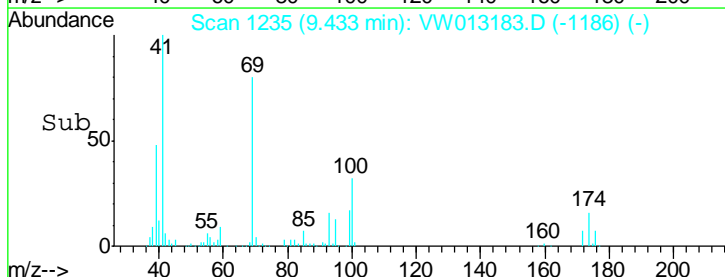


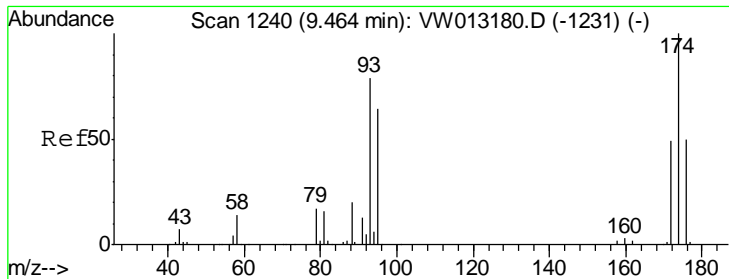
#48

Methyl methacrylate
 Concen: 49.749 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion	Resp	Lower	Upper
41	100		
69	80.5	69.7	104.5
39	47.8	41.1	61.7





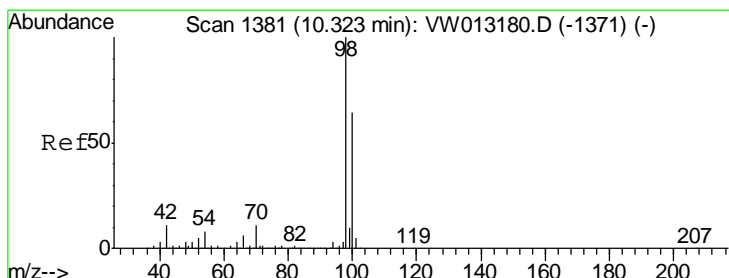
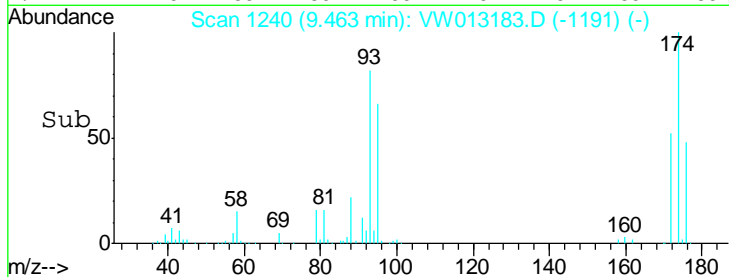
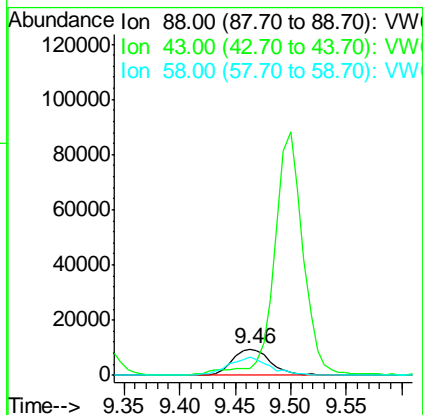
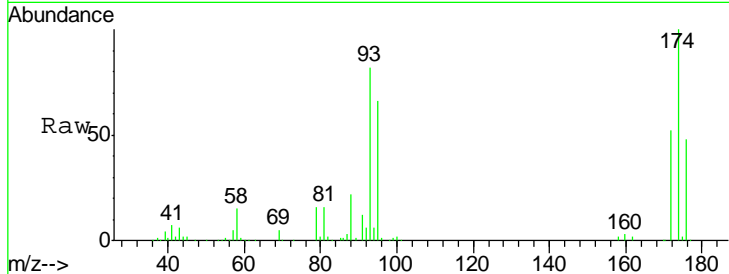
#49
 1,4-Dioxane
 Concen: 874.296 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Tgt Ion	Resp	Lower	Upper
88	23021		
88	100		
43	0.0	0.0	0.0
58	73.2	65.4	98.0

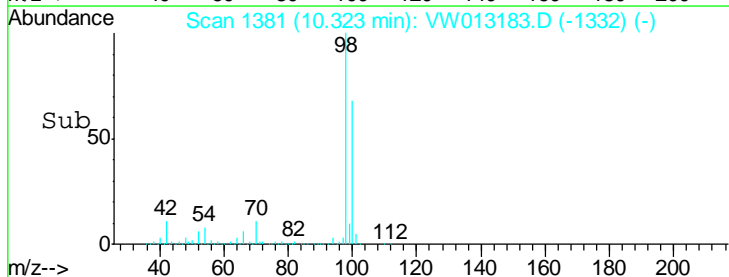
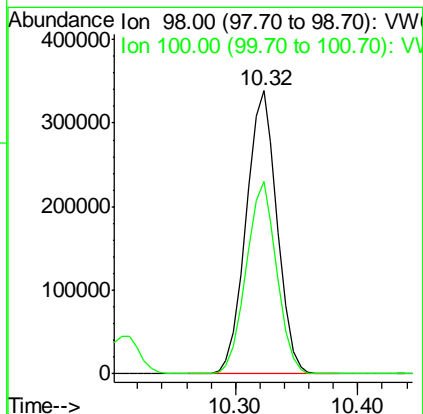
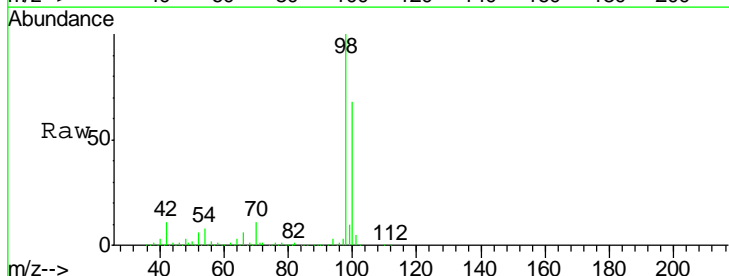
Manual Integrations
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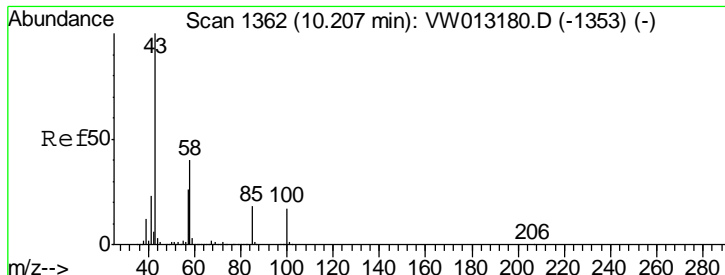
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#50
 Toluene-d8
 Concen: 47.136 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
98	594334		
98	100		
100	67.0	52.9	79.3





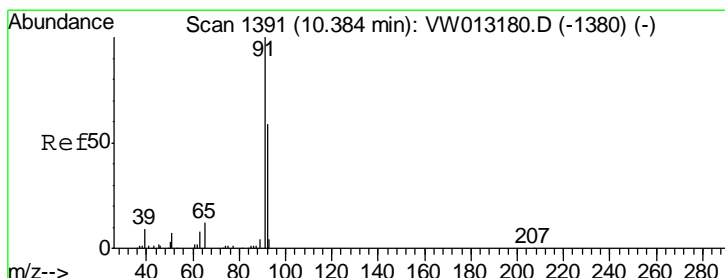
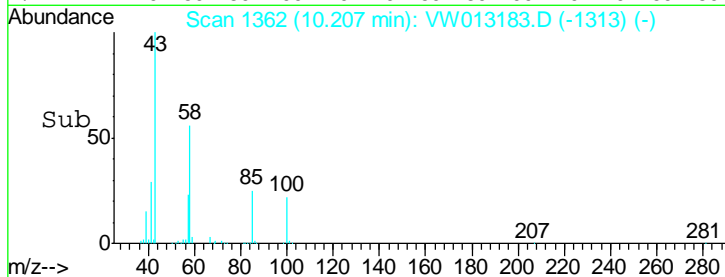
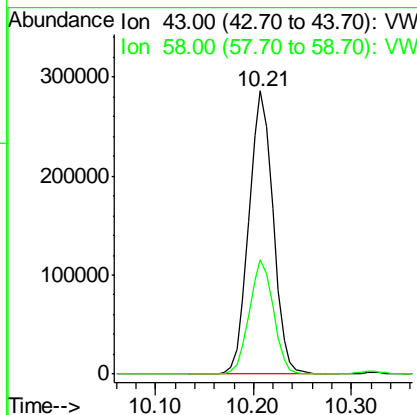
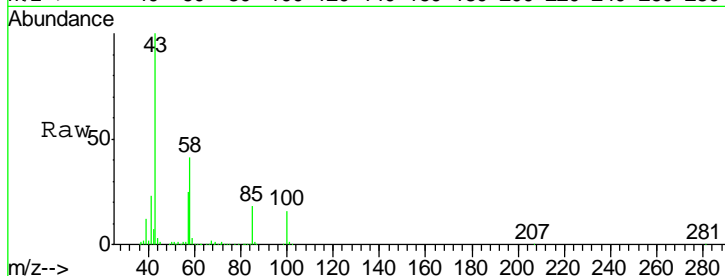
#51
 4-Methyl-2-Pentanone
 Concen: 227.362 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.3	31.7	47.5

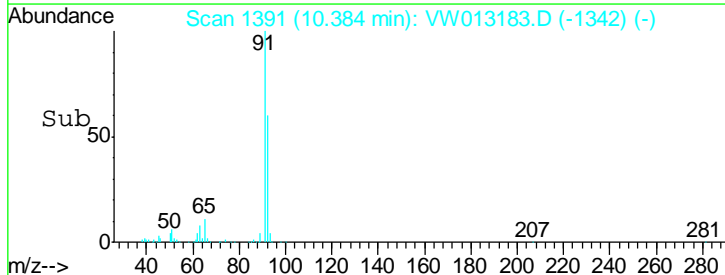
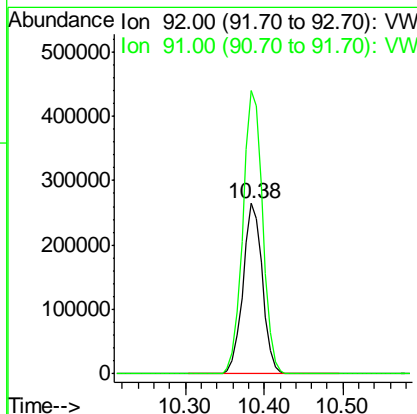
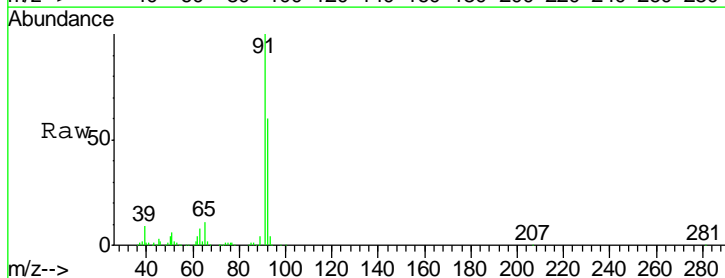
Manual Integrations
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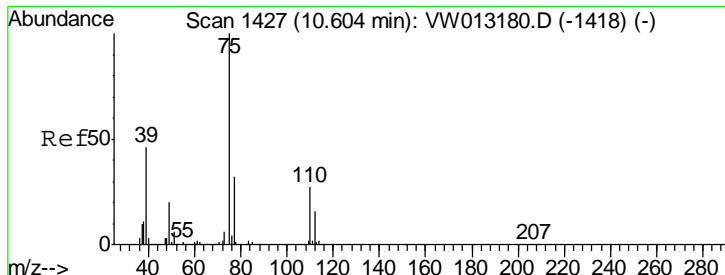
MMDadoda
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#52
 Toluene
 Concen: 47.528 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.3	135.7	203.5





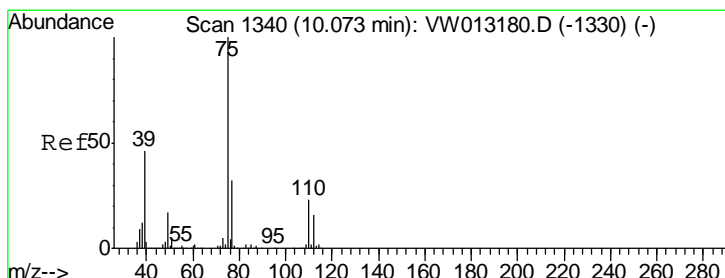
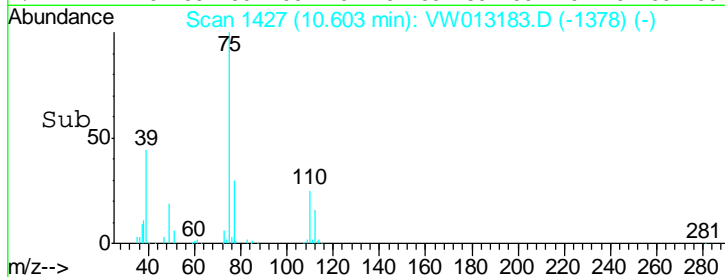
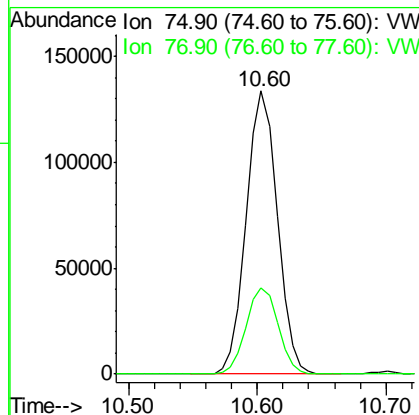
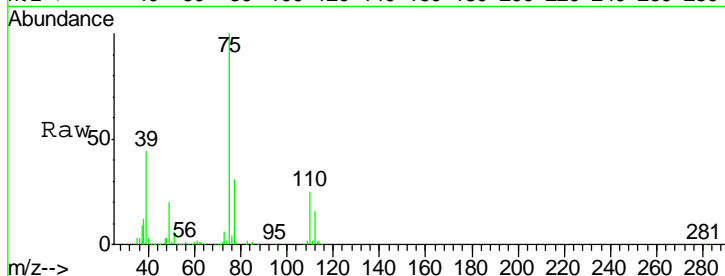
#53
 t-1,3-Dichloropropene
 Concen: 48.697 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
75	223312		
75	100		
77	30.5	25.5	38.3

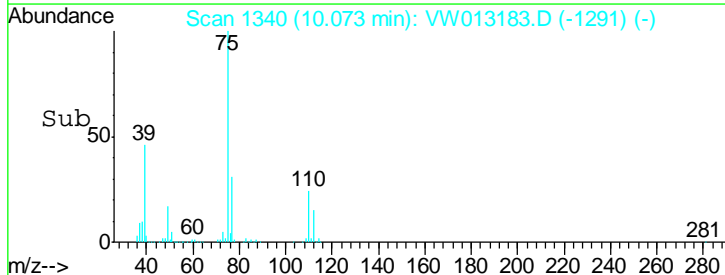
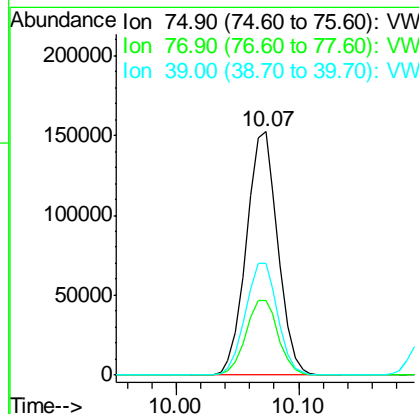
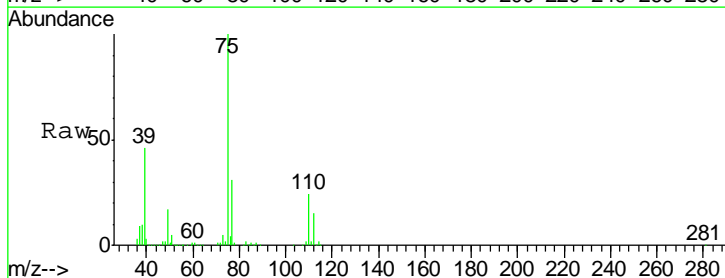
Manual Integrations
 APPROVED

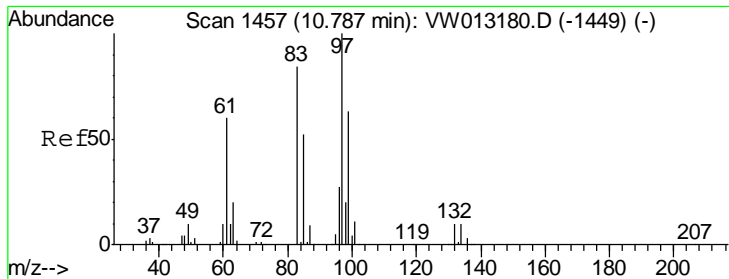
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 48.791 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
75	272044		
75	100		
77	30.6	25.2	37.8
39	45.9	36.6	55.0





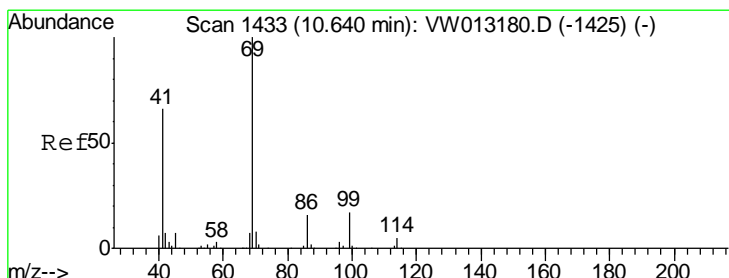
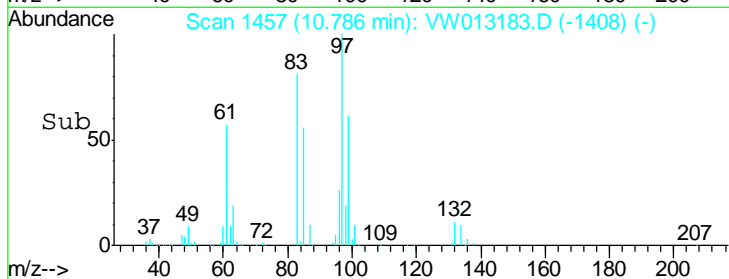
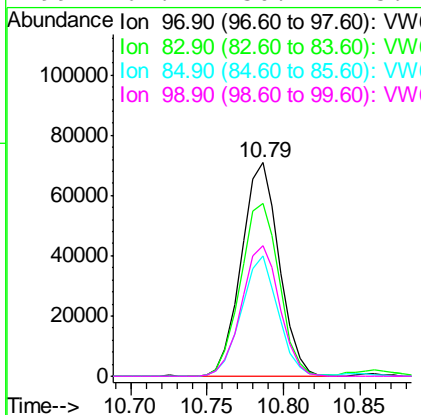
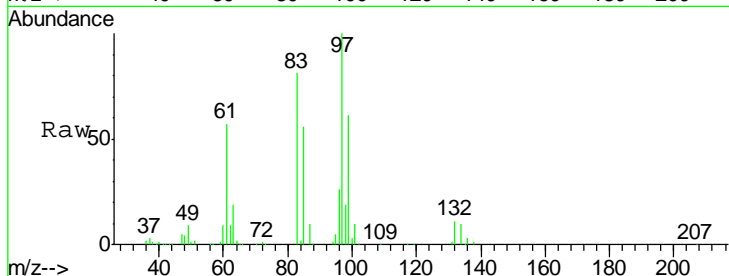
#55
 1,1,2-Trichloroethane
 Concen: 46.420 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
97	121707		
97	100		
83	81.1	67.6	101.4
85	56.3	41.9	62.9
99	61.1	50.1	75.1

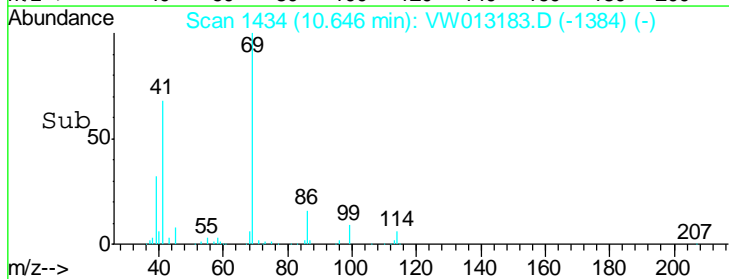
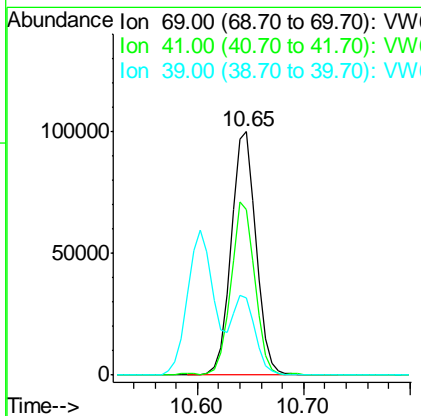
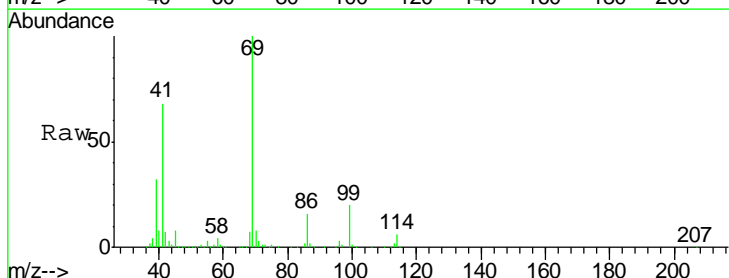
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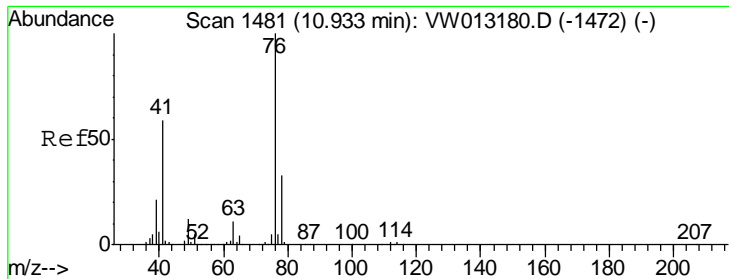
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#56
 Ethyl methacrylate
 Concen: 47.862 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
69	164229		
69	100		
41	67.8	53.9	80.9
39	28.5	23.8	35.6





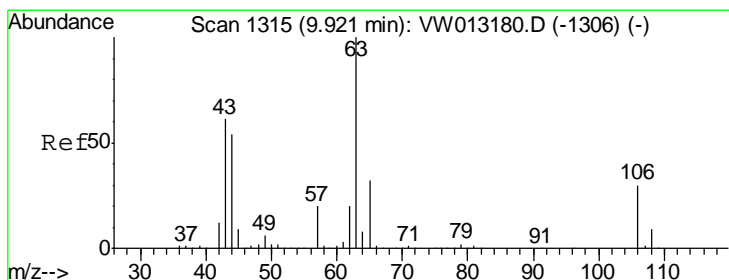
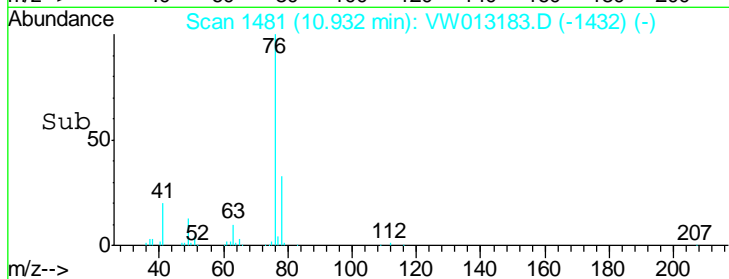
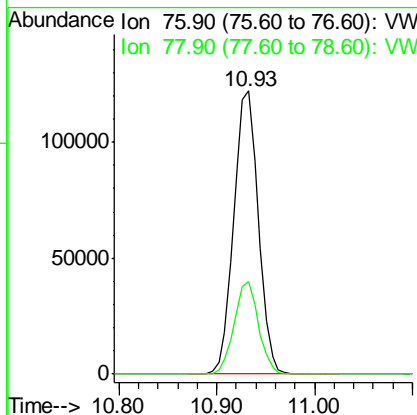
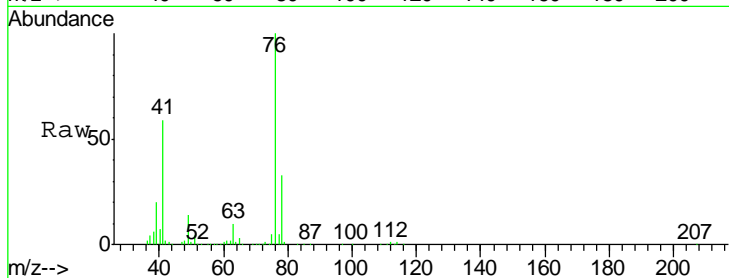
#57
 1,3-Dichloropropane
 Concen: 46.573 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
76	213084		
76	100		
78	32.4	25.5	38.3

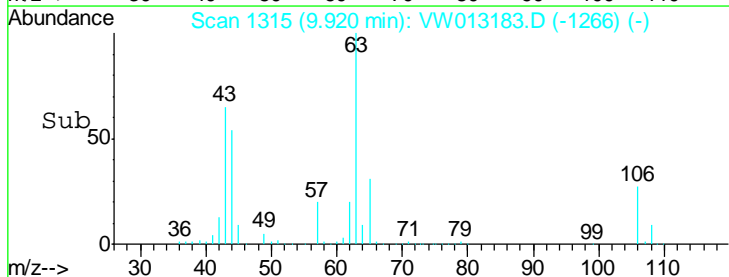
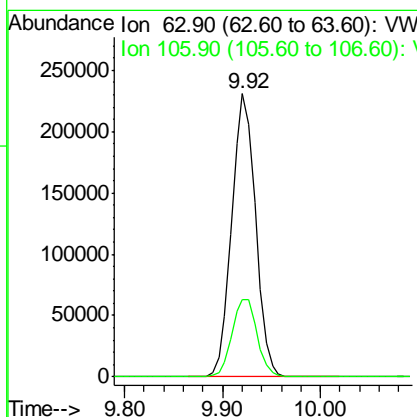
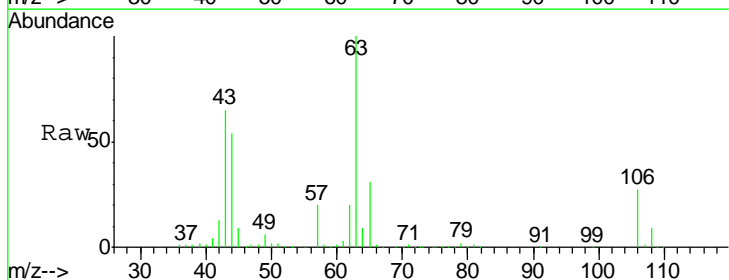
Manual Integrations
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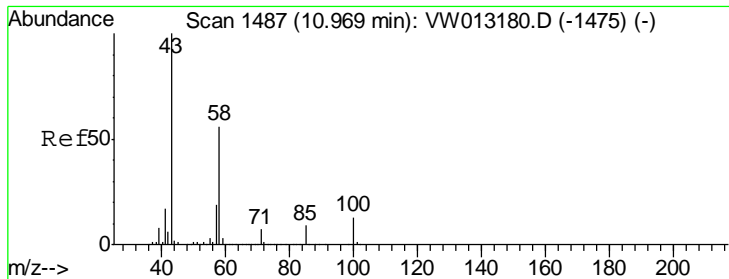
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.263 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
63	391193		
63	100		
106	28.8	23.4	35.0





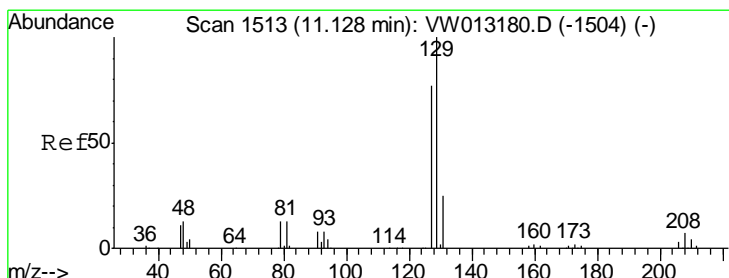
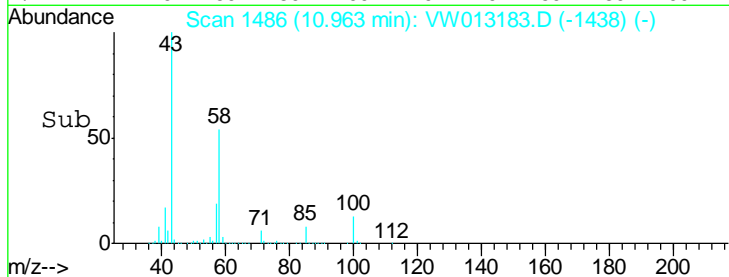
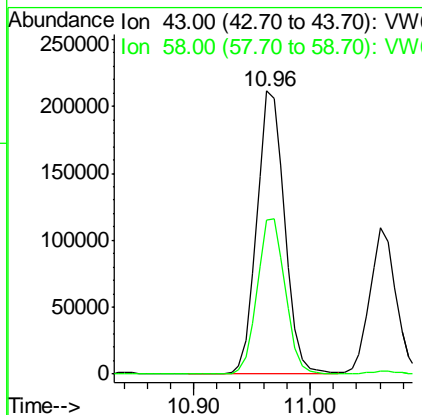
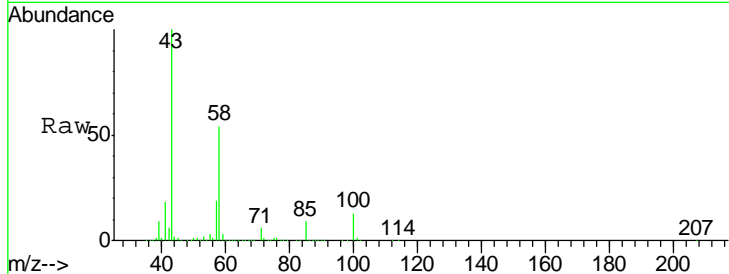
#59
 2-Hexanone
 Concen: 236.976 ug/l
 RT: 10.96 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.4	28.1	84.2

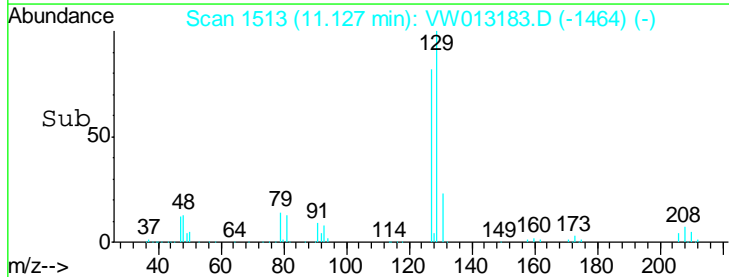
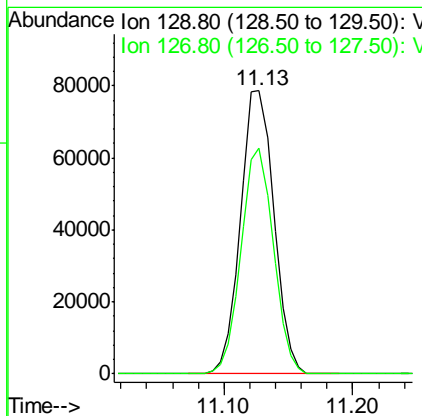
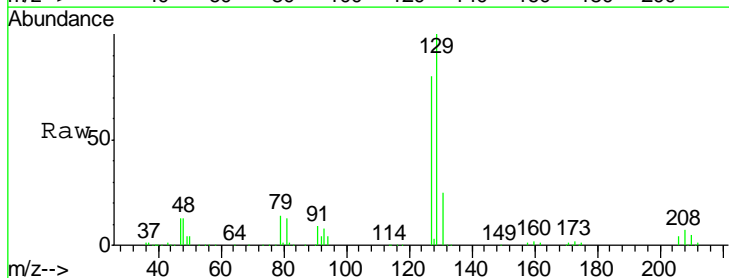
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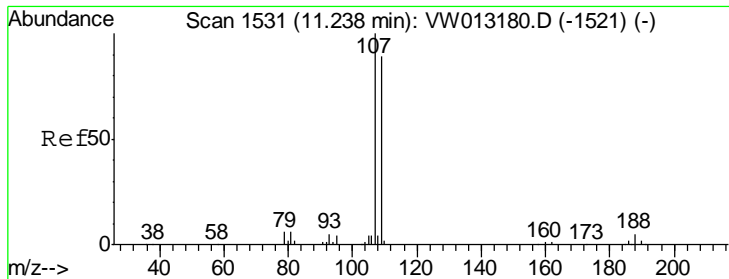
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#60
 Dibromochloromethane
 Concen: 47.530 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.0	38.8	116.4





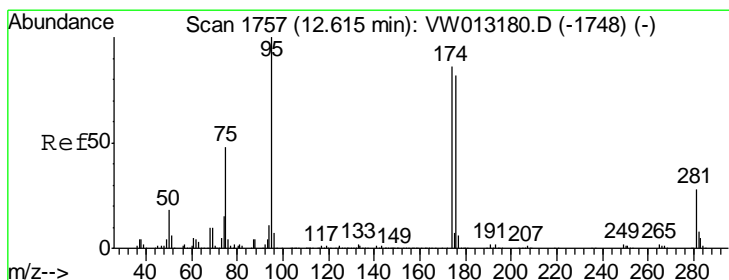
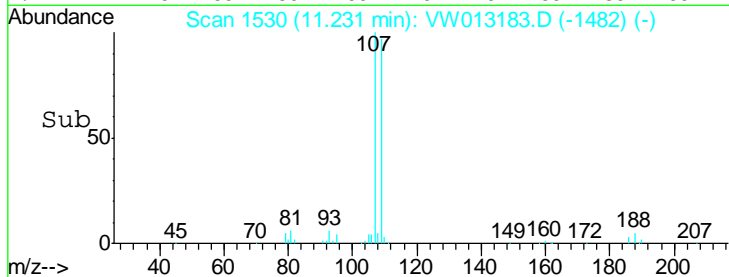
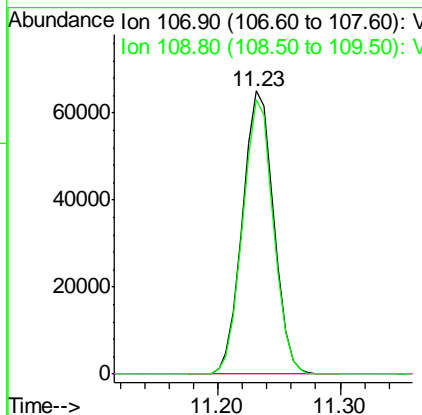
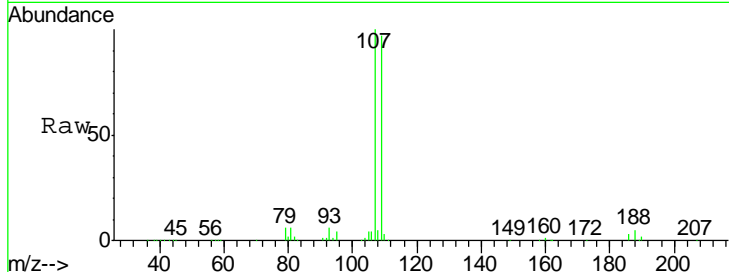
#61
 1,2-Dibromoethane
 Concen: 46.408 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
107	115690		
109	95.2	75.2	112.8

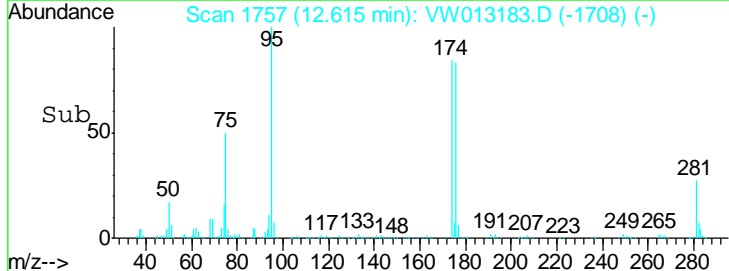
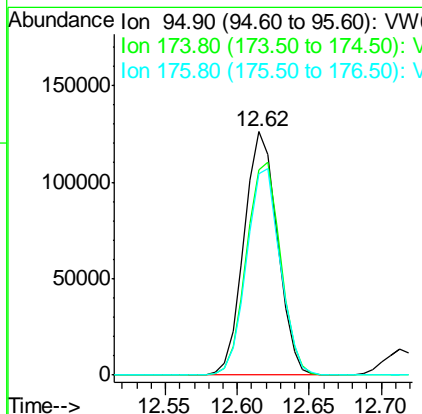
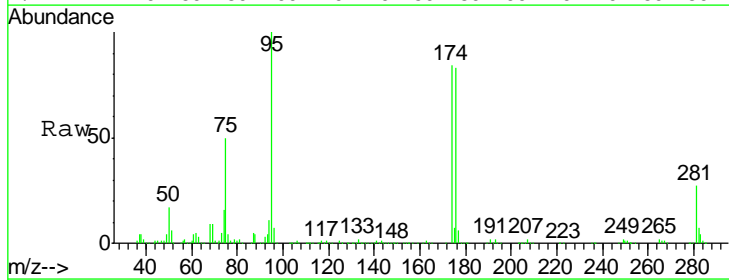
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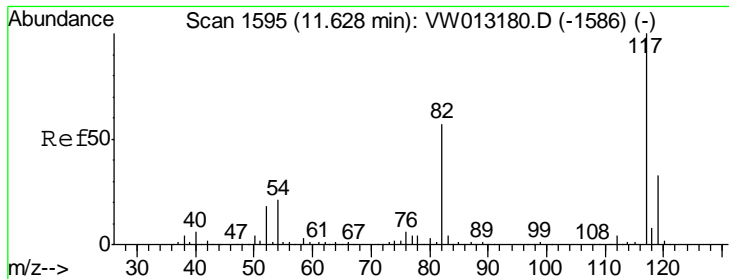
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#62
 4-Bromofluorobenzene
 Concen: 46.925 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

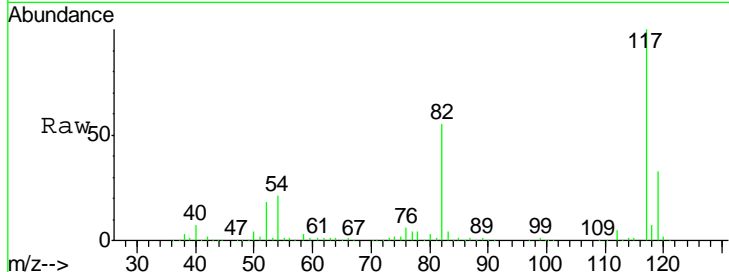
Tgt Ion	Resp	Lower	Upper
95	202111		
174	89.0	0.0	178.4
176	85.5	0.0	172.2





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

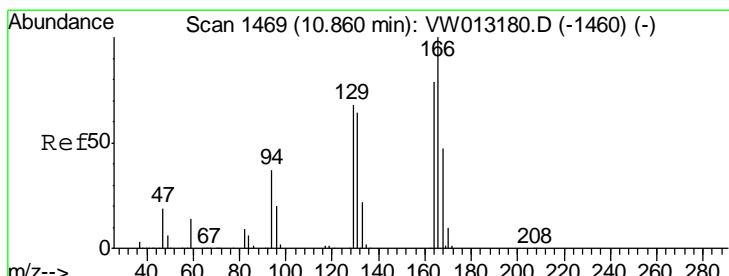
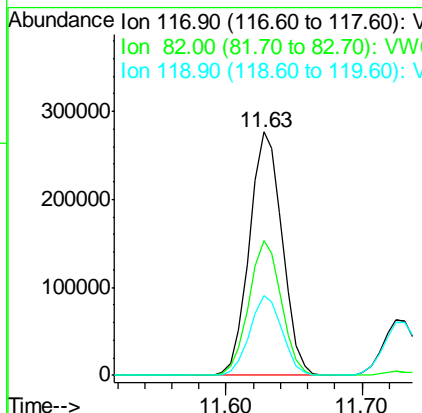
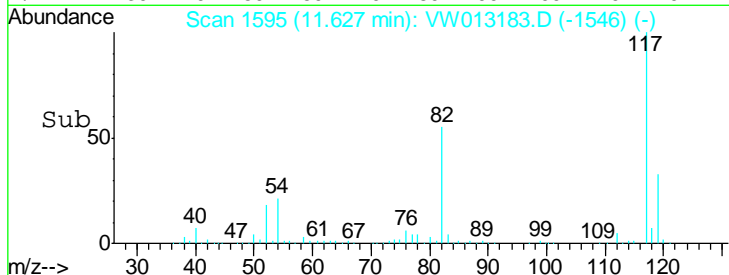


Tgt Ion: 117 Resp: 468312

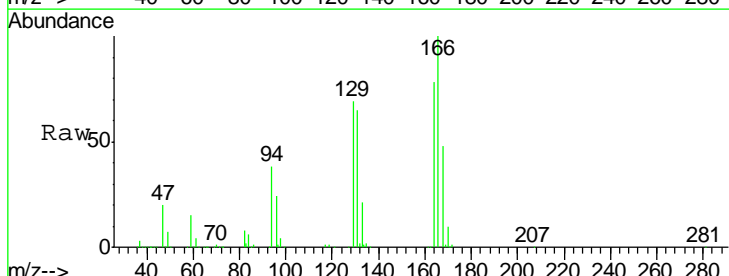
Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.9	68.9
119	32.6	26.2	39.2

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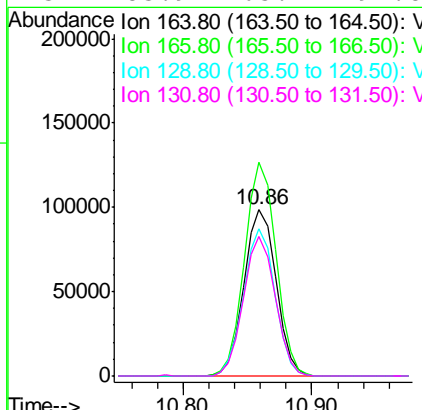
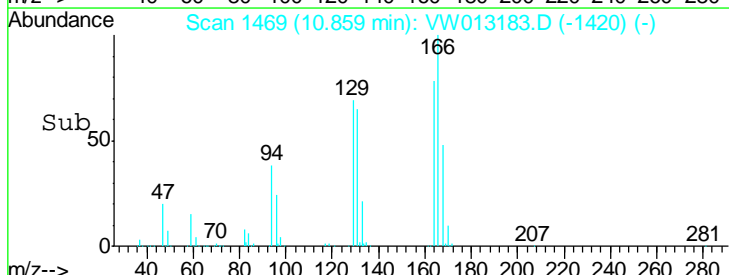


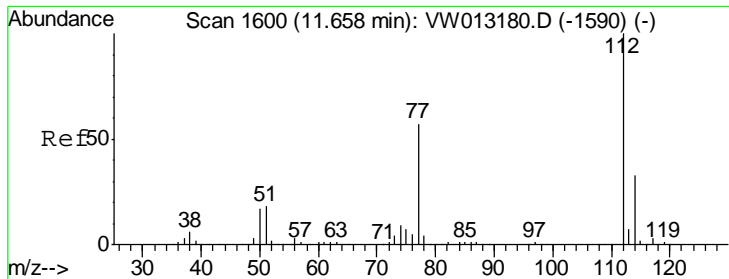
#64
 Tetrachloroethene
 Concen: 47.778 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion: 164 Resp: 169768

Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.2	151.8
129	88.9	68.8	103.2
131	83.9	65.2	97.8





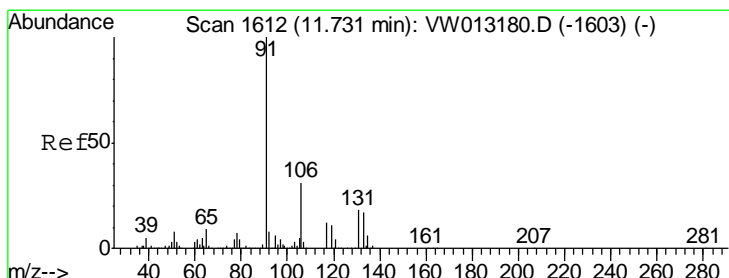
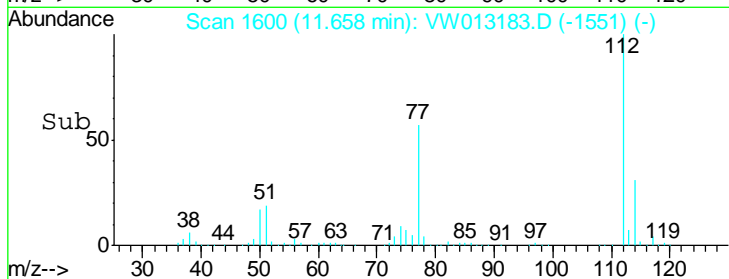
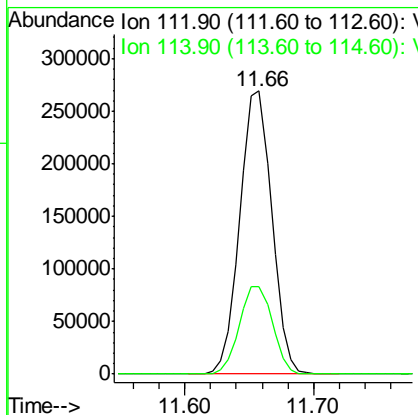
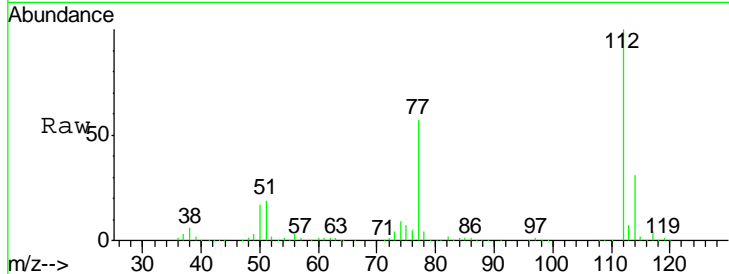
#65
 Chlorobenzene
 Concen: 47.382 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
112	100		
114	30.9	26.5	39.7

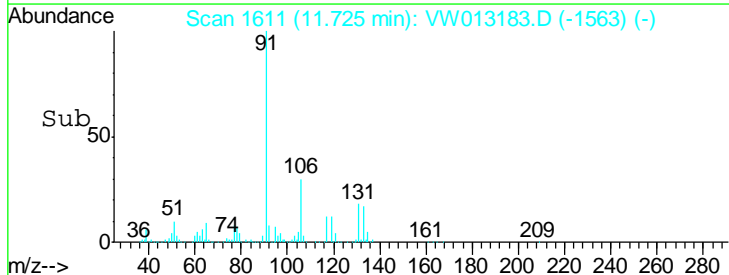
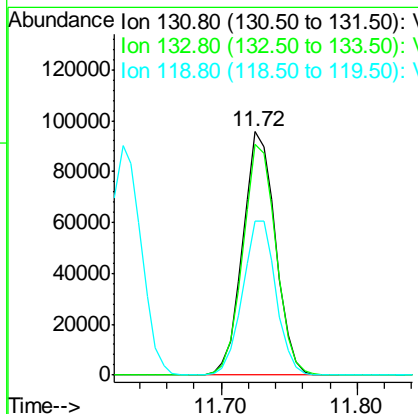
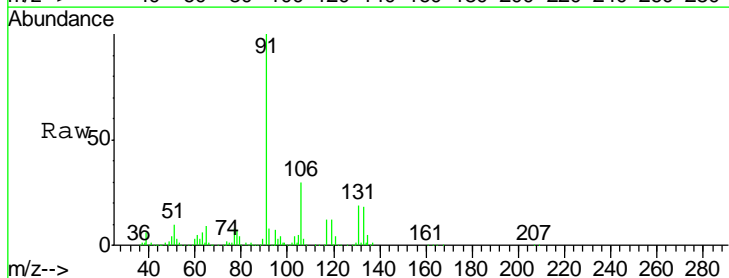
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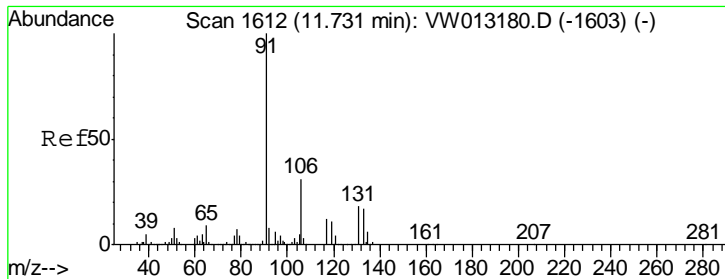
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.136 ug/l
 RT: 11.72 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.7	47.5	142.6
119	64.5	32.5	97.5





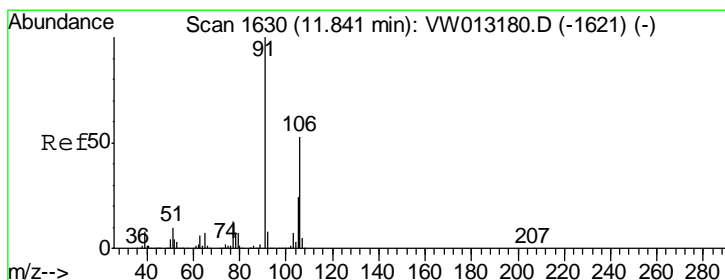
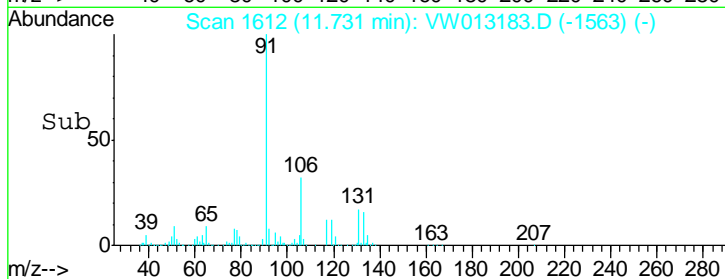
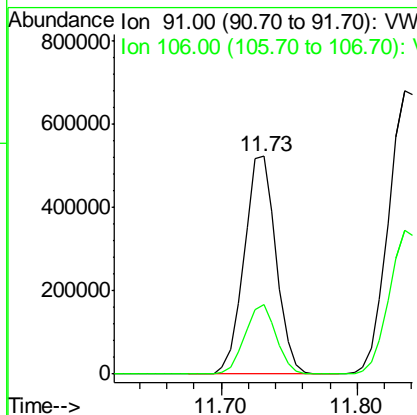
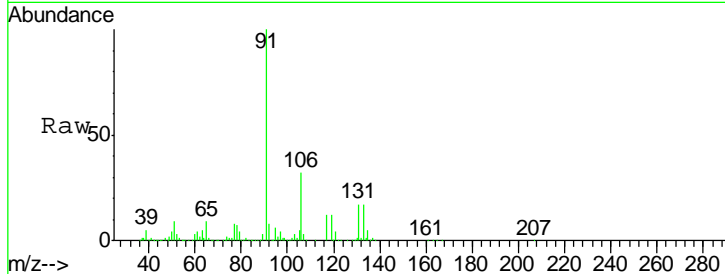
#67
 Ethyl Benzene
 Concen: 48.381 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVW092019

Tgt Ion	Resp	Lower	Upper
91	100		
106	32.0	24.9	37.3

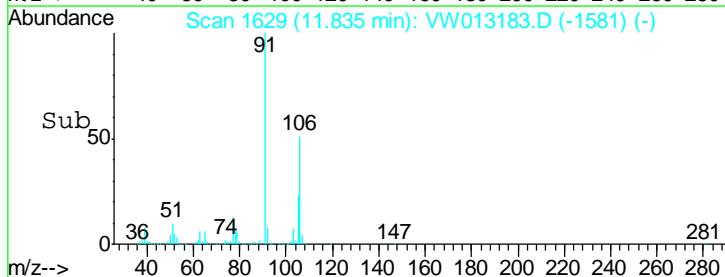
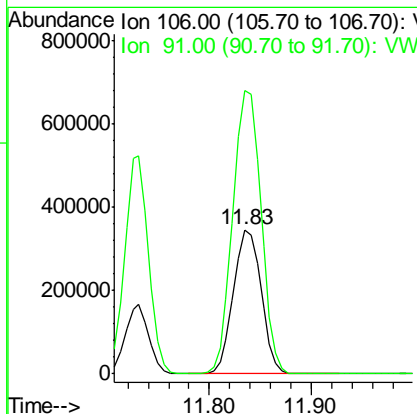
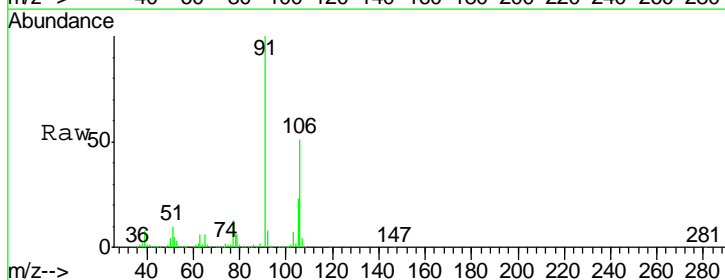
Manual Integrations
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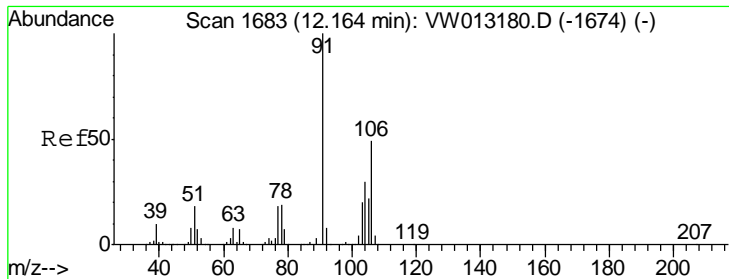
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#68
 m/p-Xylenes
 Concen: 96.706 ug/l
 RT: 11.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
106	100		
91	199.4	157.9	236.9





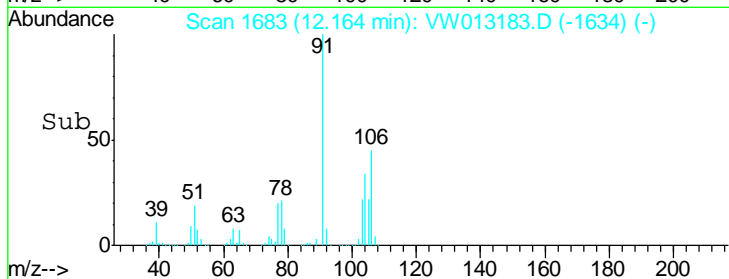
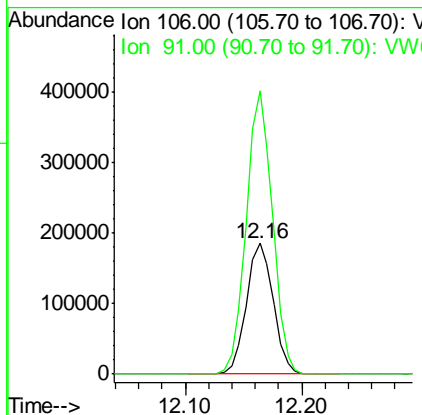
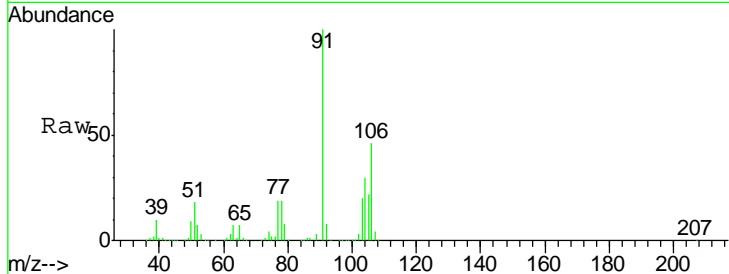
#69
 o-Xylene
 Concen: 47.673 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
106	299268		
106	100		
91	211.4	106.5	319.5

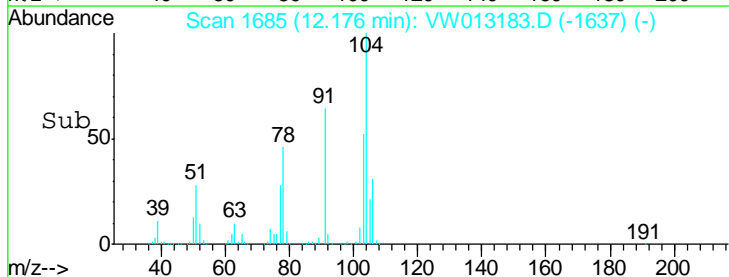
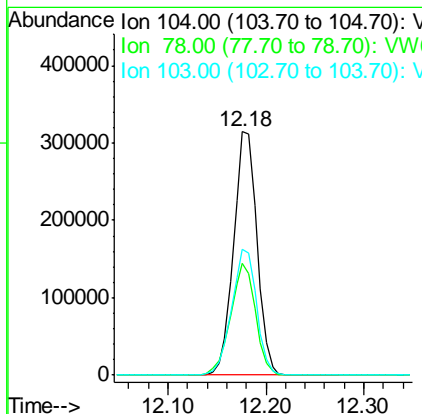
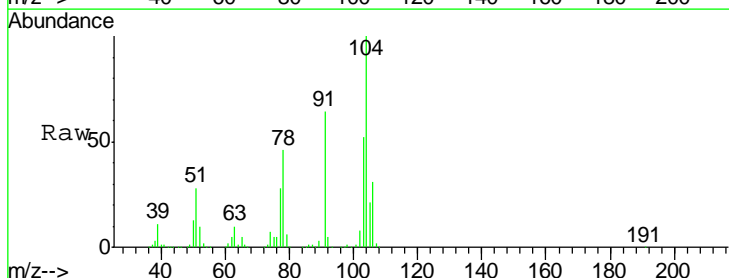
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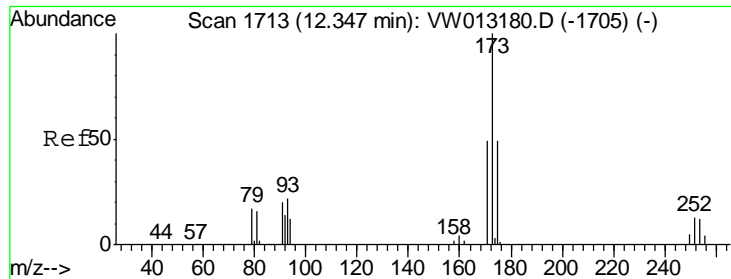
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#70
 Styrene
 Concen: 48.482 ug/l
 RT: 12.18 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

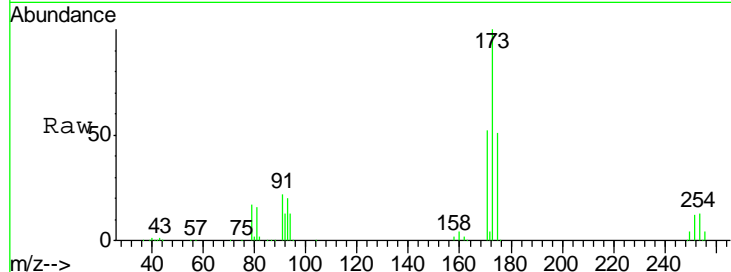
Tgt Ion	Resp	Lower	Upper
104	522507		
104	100		
78	48.4	38.4	57.6
103	54.9	43.3	64.9





#71
 Bromoform
 Concen: 47.742 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

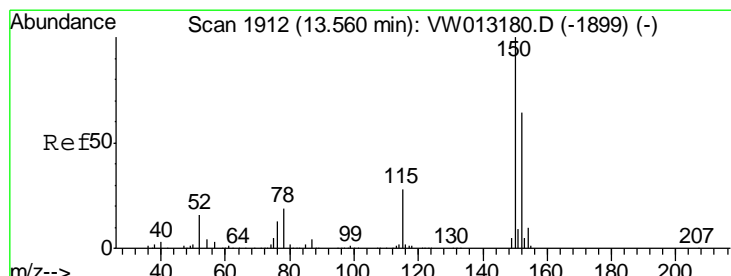
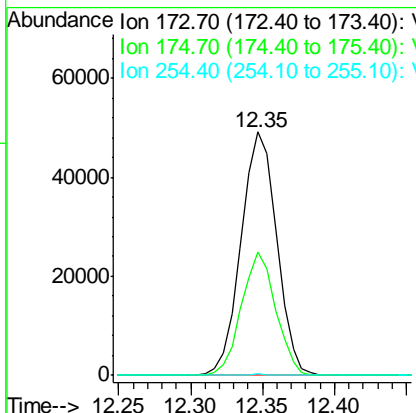
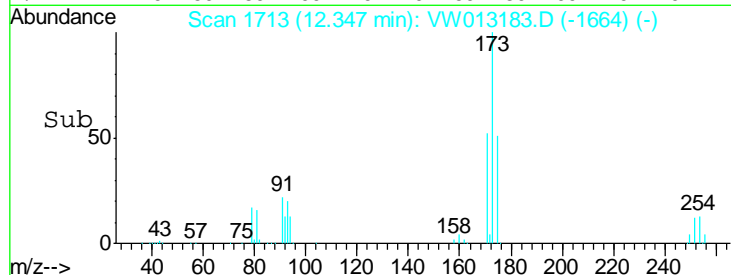
Instrument :
 MSVOA_W
 Client Sampled :
 ICVVW092019



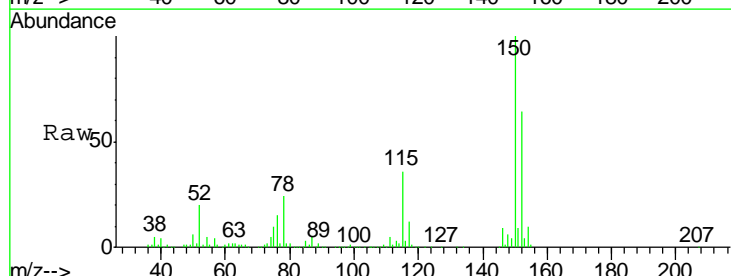
Tgt Ion	Resp	Lower	Upper
173	100		
175	48.6	24.3	73.0
254	0.1	0.1	0.1

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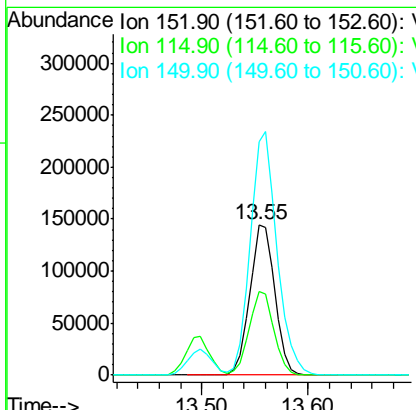
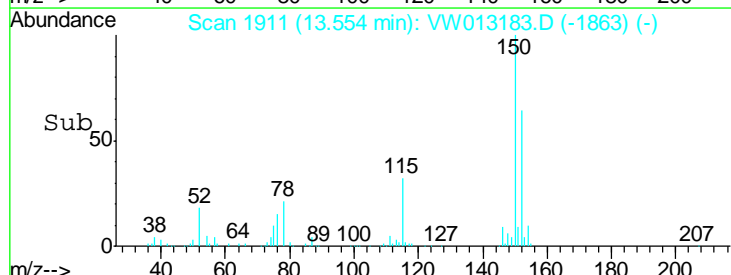
MMDadoda
 9/24/2019 5:28:51 AM

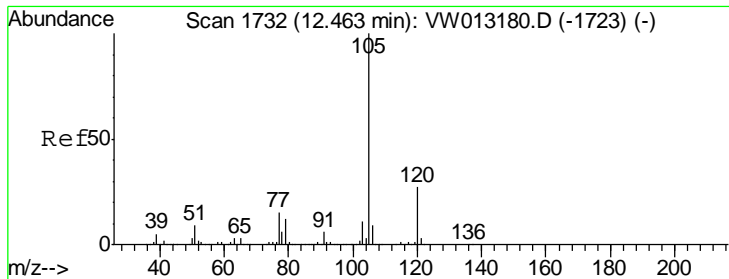


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion	Resp	Lower	Upper
152	100		
115	55.1	27.3	81.9
150	173.4	0.0	349.0





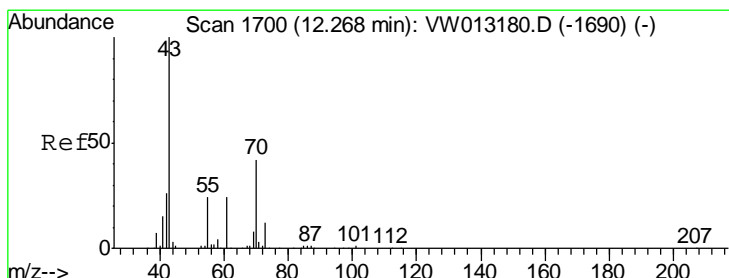
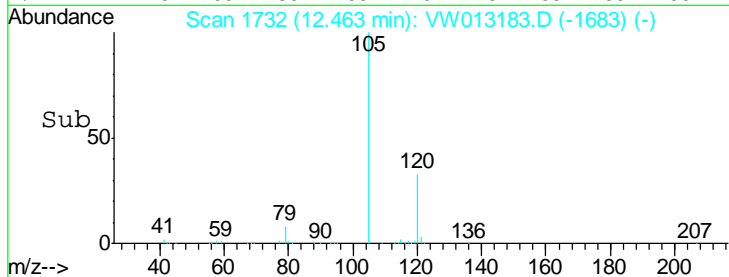
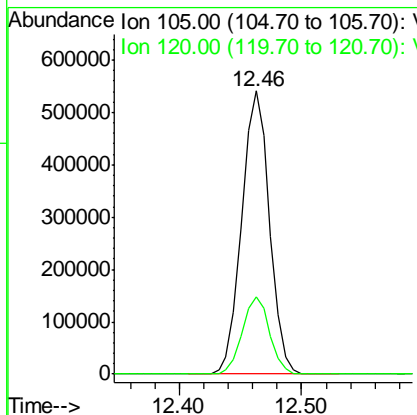
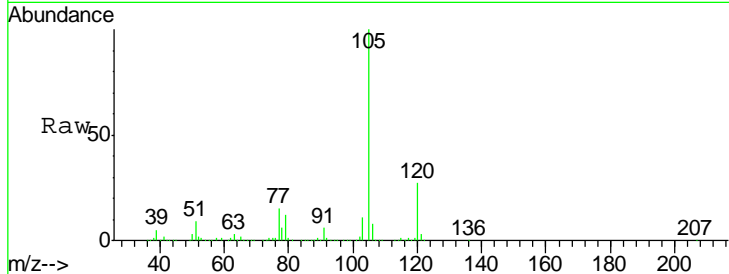
#73
 Isopropylbenzene
 Concen: 48.410 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.8	13.4	40.1

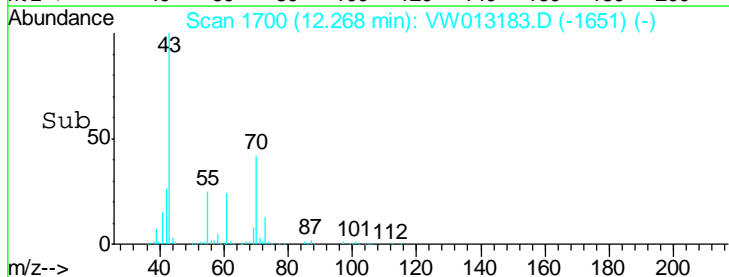
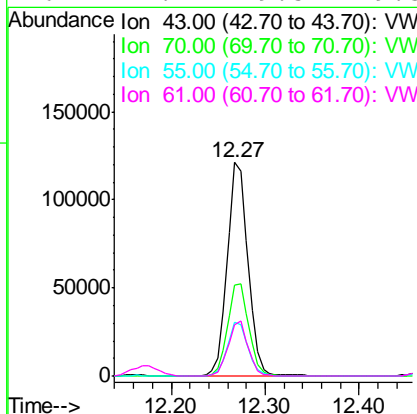
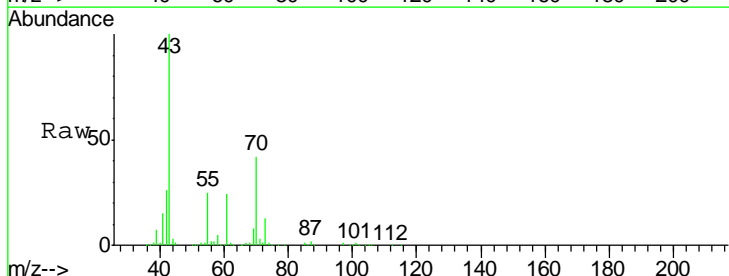
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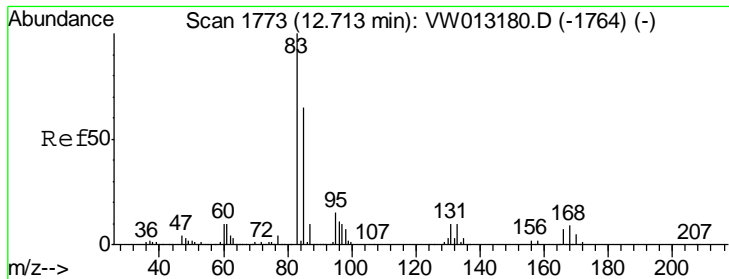
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#74
 N-aryl acetate
 Concen: 47.605 ug/l
 RT: 12.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
43	100		
70	43.9	35.1	52.7
55	25.0	19.9	29.9
61	24.7	19.5	29.3





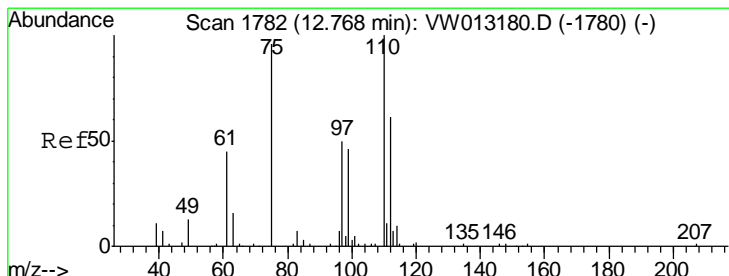
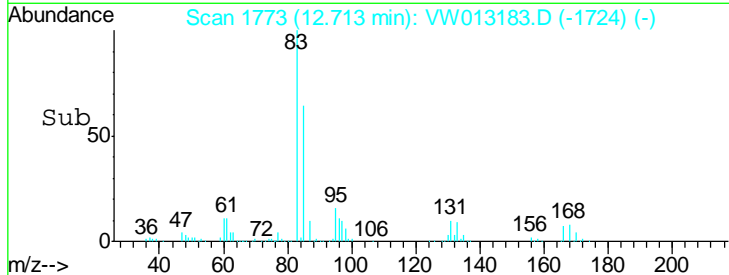
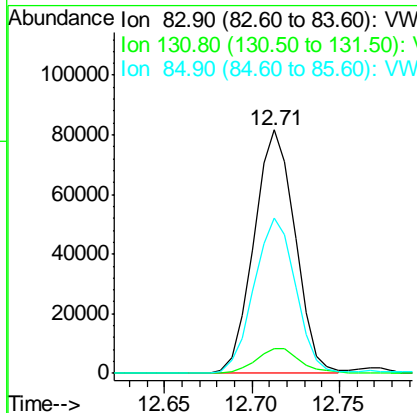
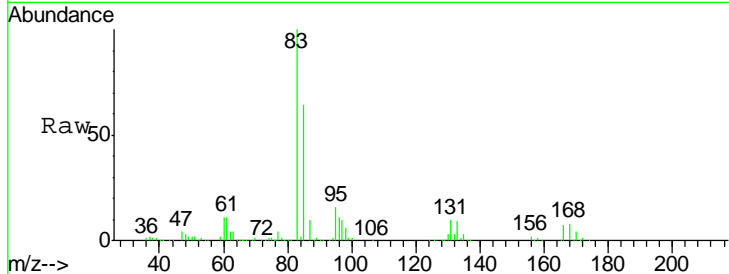
#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.568 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
83	133670		
83	100		
131	11.0	5.4	16.2
85	64.7	31.9	95.9

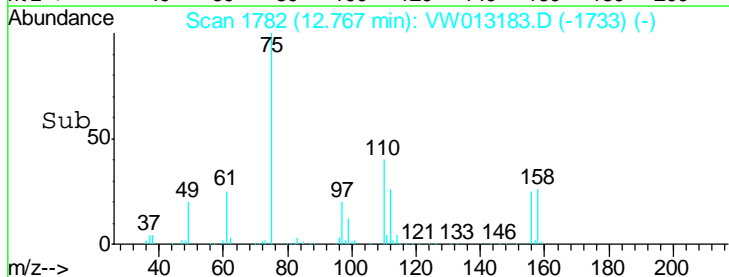
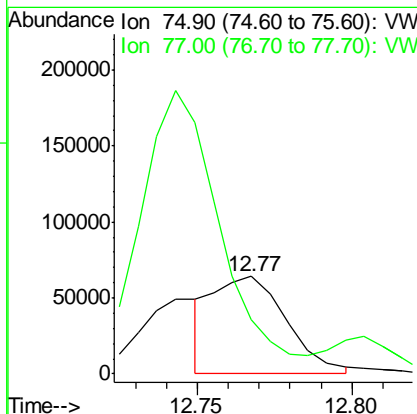
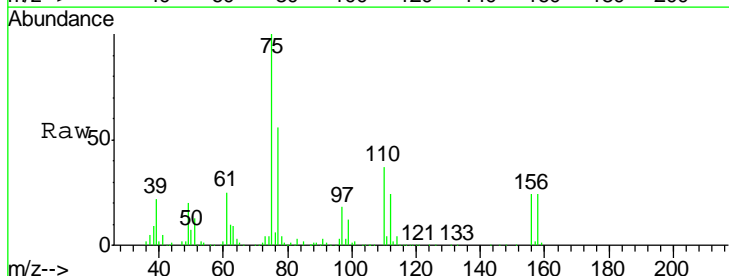
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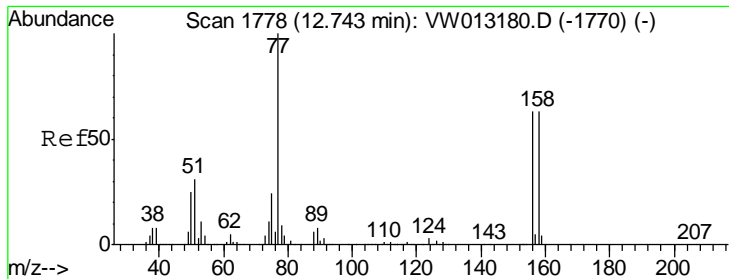
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#76
 1,2,3-Trichloropropane
 Concen: 50.585 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
75	106073		
75	100		
77	0.0	0.0	0.0





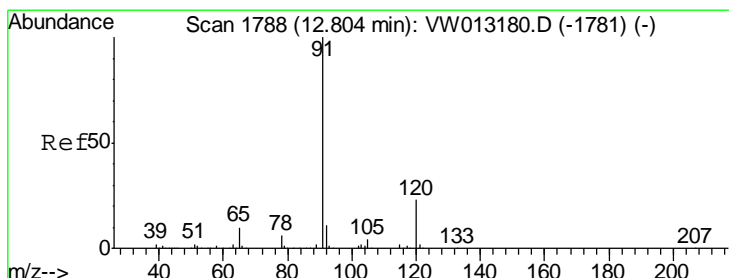
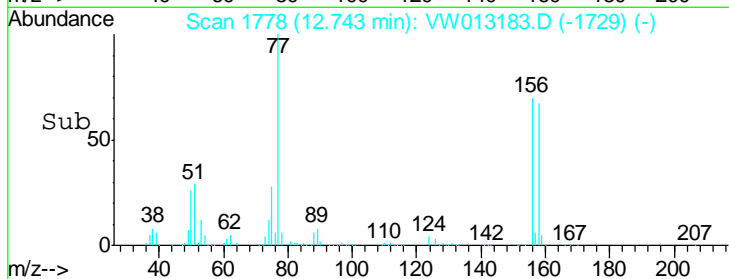
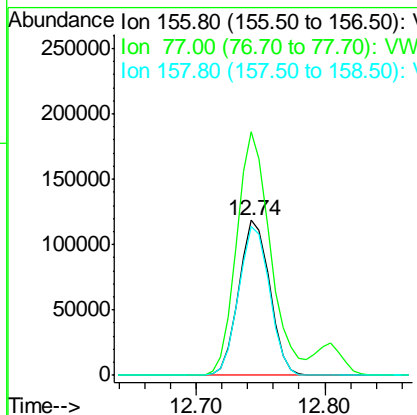
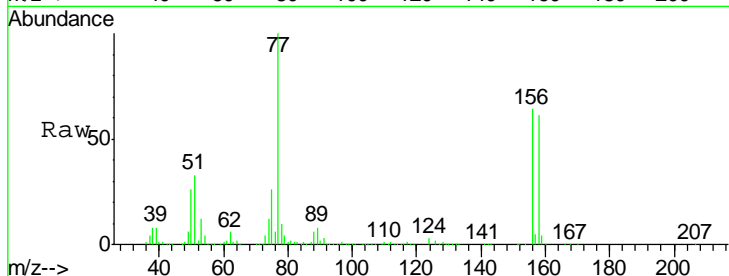
#77
 Bromobenzene
 Concen: 47.325 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
156	196705		
77	172.3	85.7	257.1
158	96.3	48.1	144.4

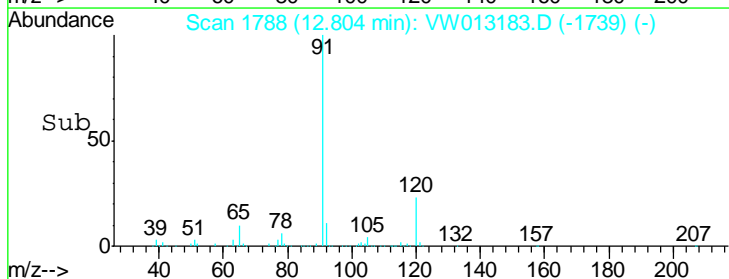
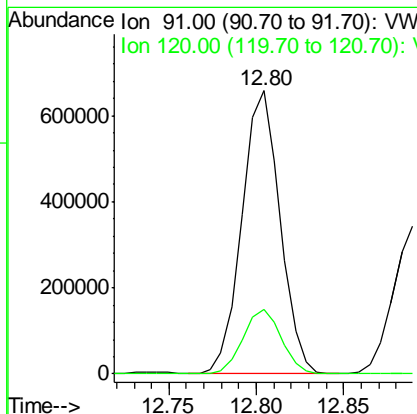
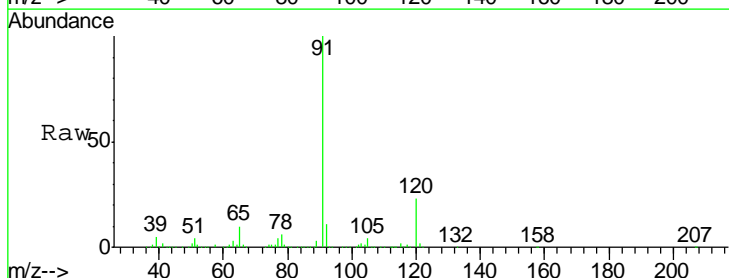
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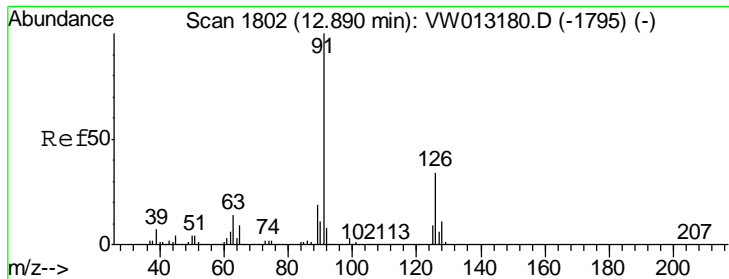
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#78
 n-propylbenzene
 Concen: 48.570 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
91	997196		
120	23.0	11.7	35.1





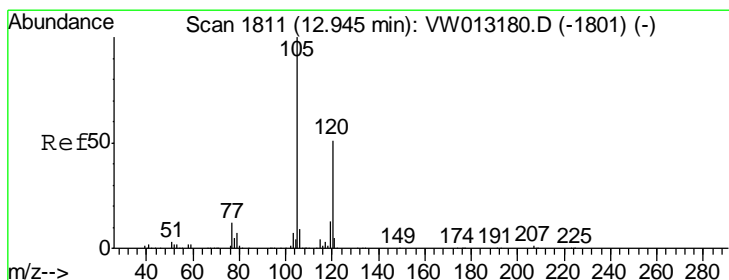
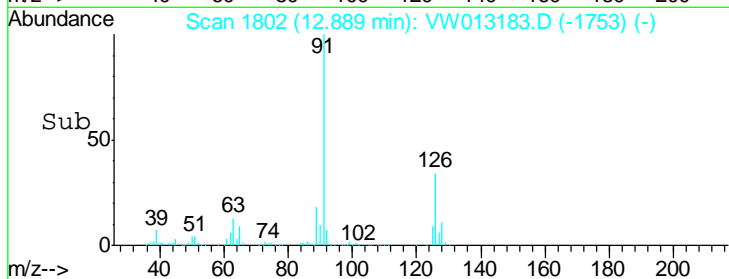
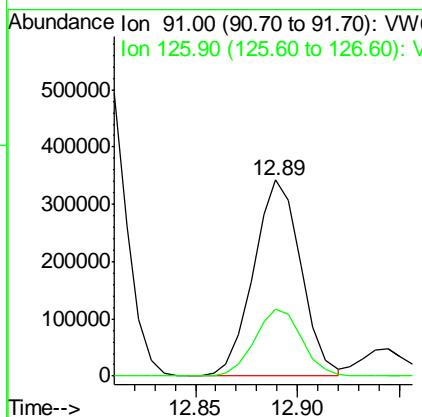
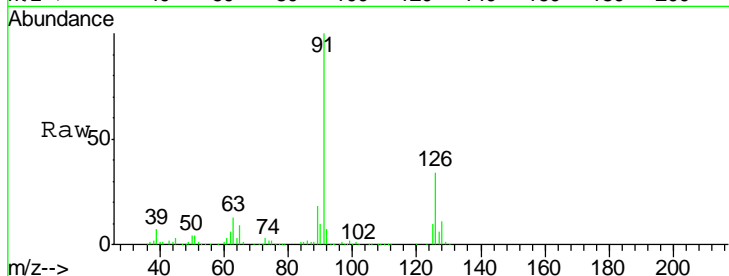
#79
 2-Chlorotoluene
 Concen: 48.103 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.2	17.2	51.5

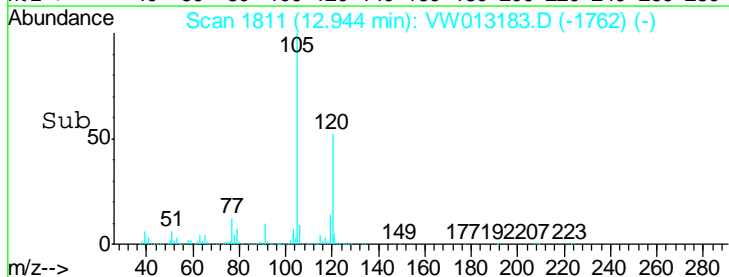
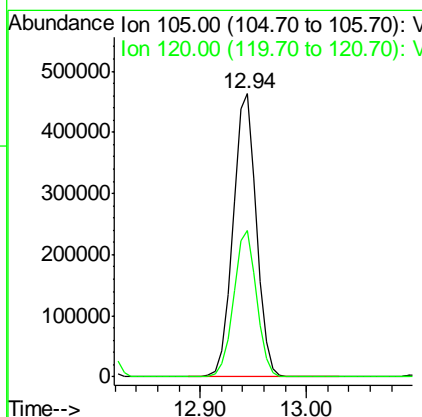
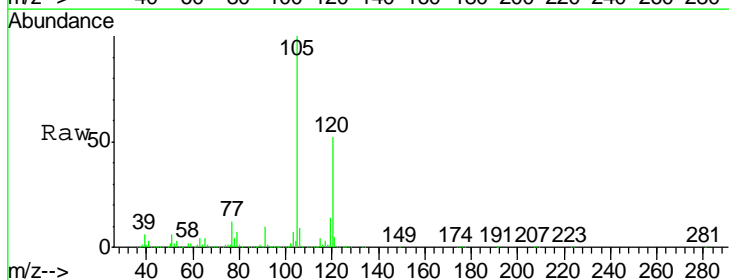
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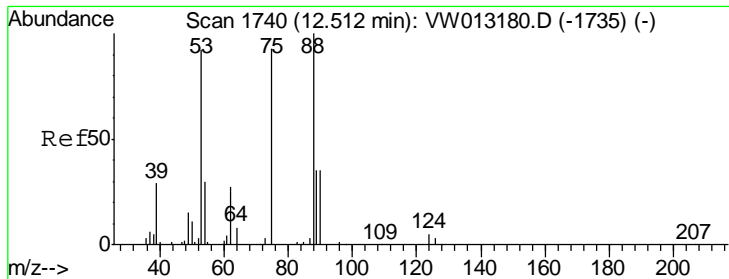
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.054 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.9	24.9	74.8





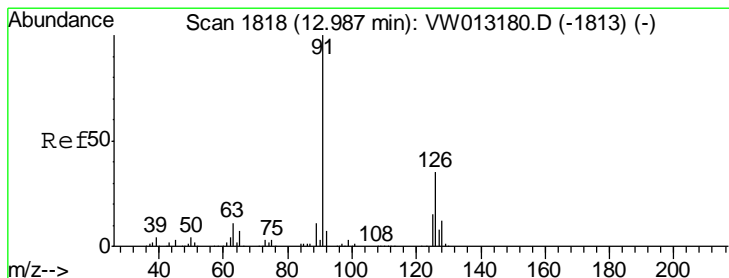
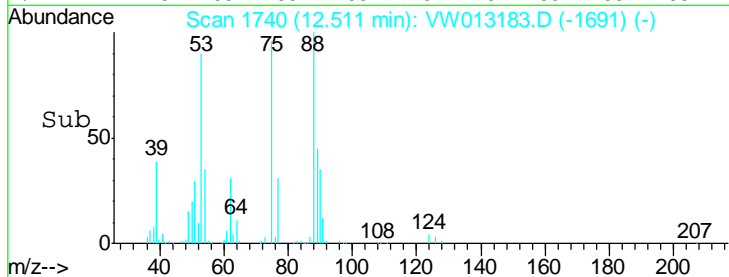
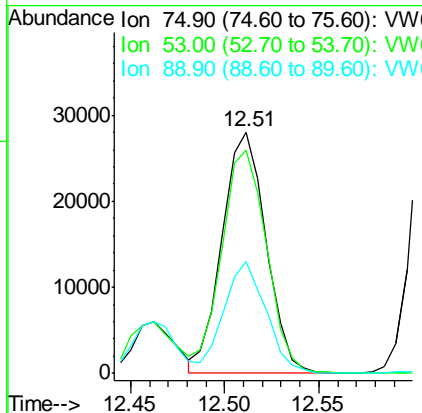
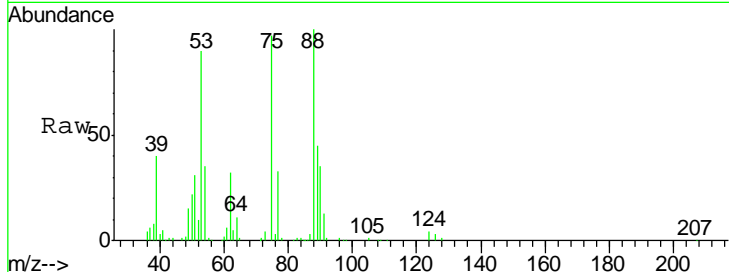
#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.200 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 ClientSampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
75	45043		
75	100		
53	95.4	76.6	114.8
89	44.4	33.5	50.3

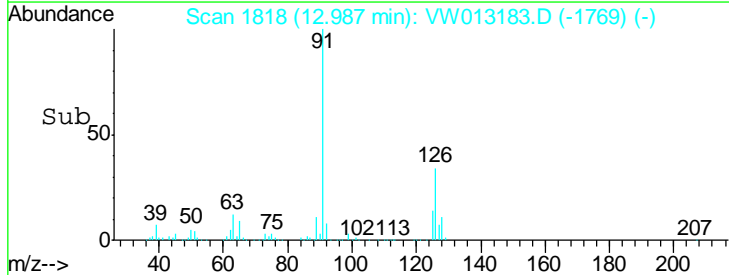
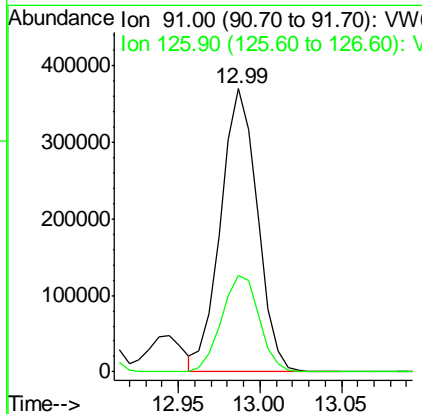
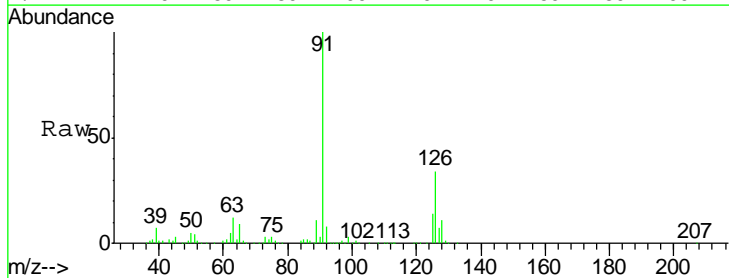
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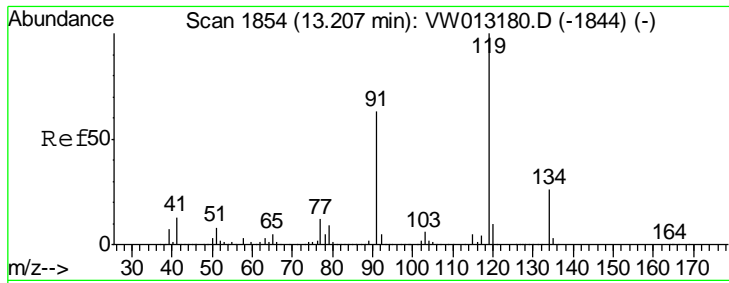
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#82
 4-Chlorotoluene
 Concen: 47.770 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

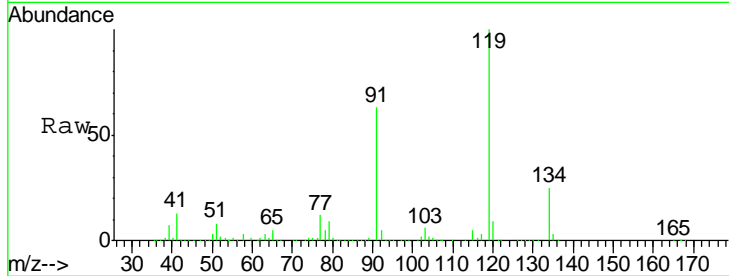
Tgt Ion	Resp	Lower	Upper
91	579435		
91	100		
126	35.0	17.3	51.7





#83
 tert-Butylbenzene
 Concen: 48.357 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

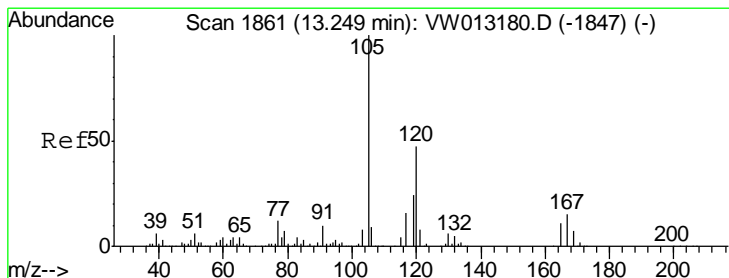
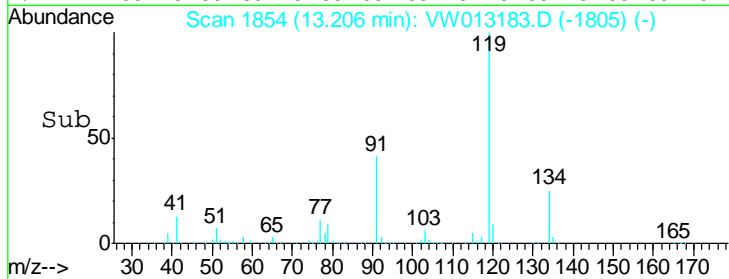
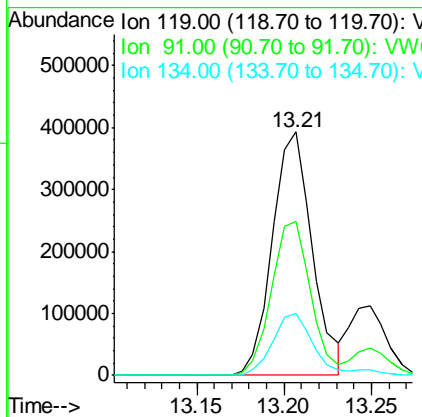


Tgt Ion: 119 Resp: 625794

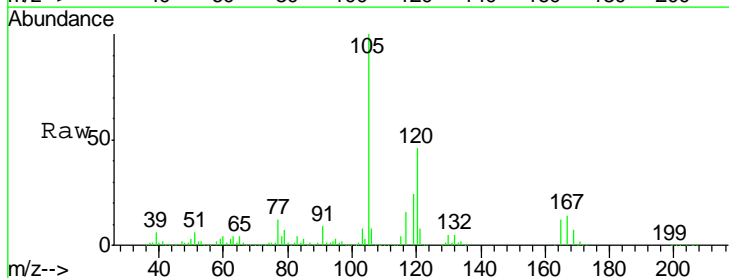
Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.7	92.1
134	25.3	12.6	37.6

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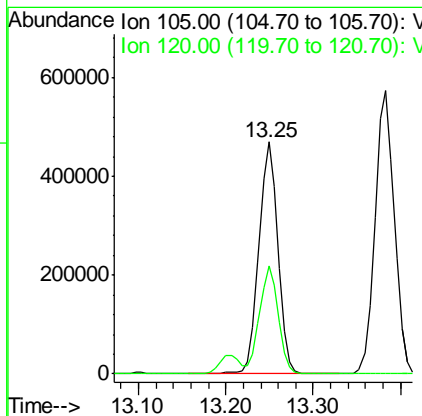
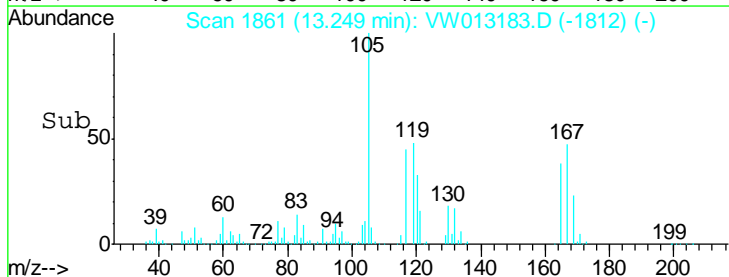


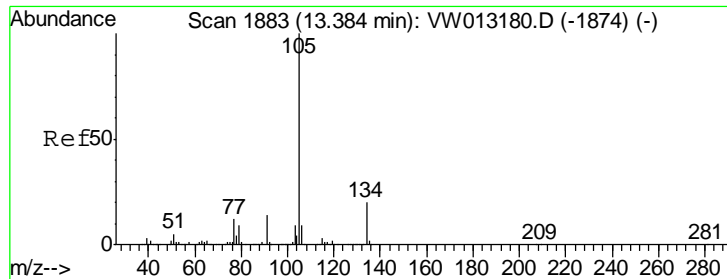
#84
 1,2,4-Trimethylbenzene
 Concen: 48.502 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion: 105 Resp: 711612

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.3





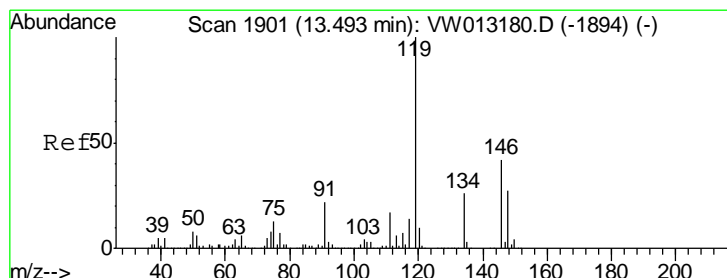
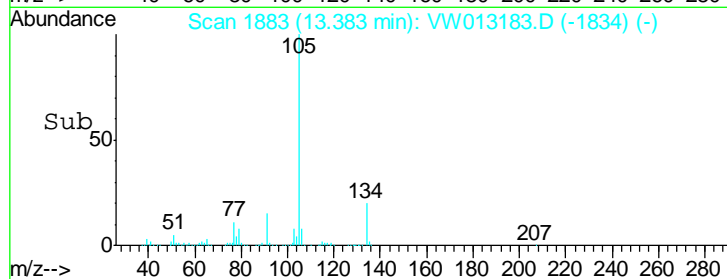
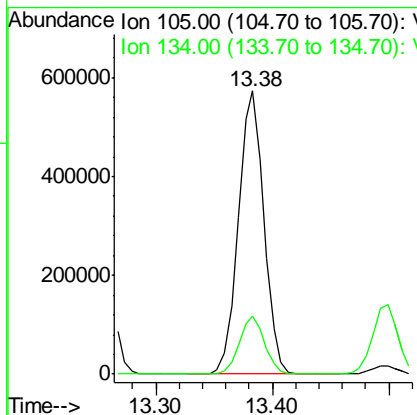
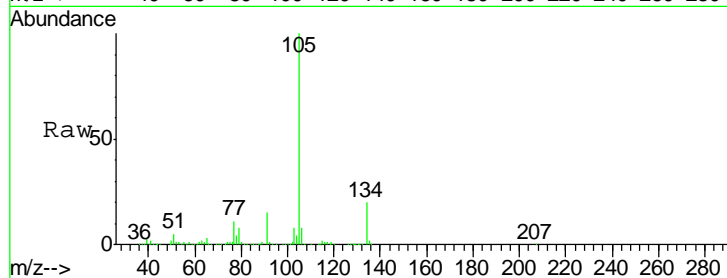
#85
 sec-Butylbenzene
 Concen: 48.986 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.3	10.3	30.8

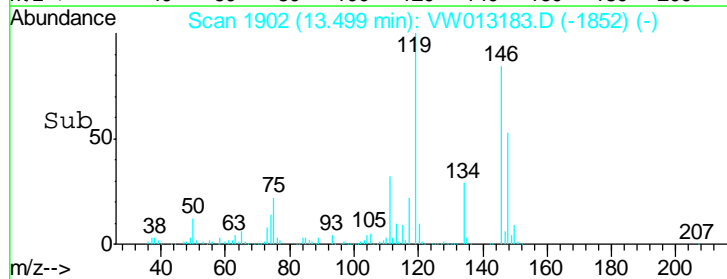
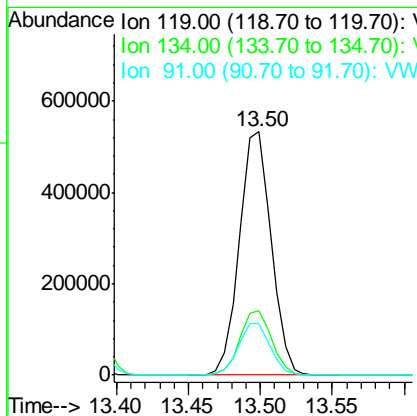
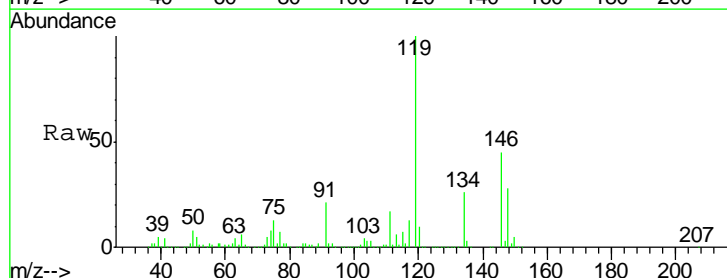
Manual Integrations
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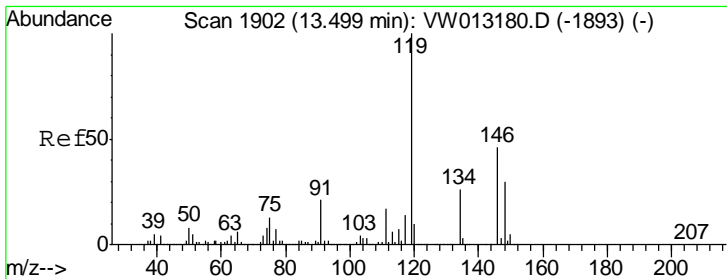
MMDadoda
 9/24/2019 5:28:51 AM



#86
 p-Isopropyltoluene
 Concen: 49.187 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	21.5	10.8	32.4





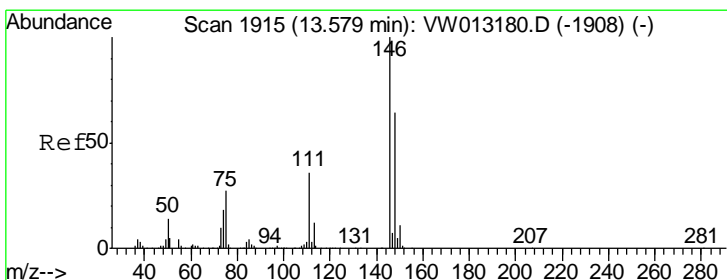
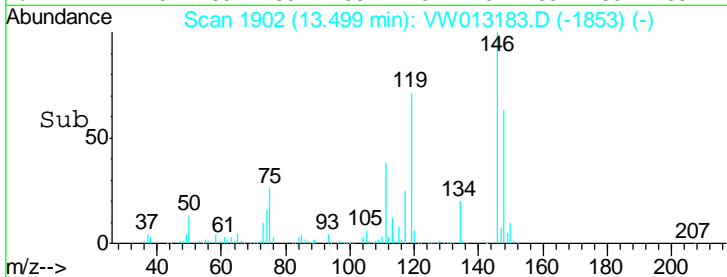
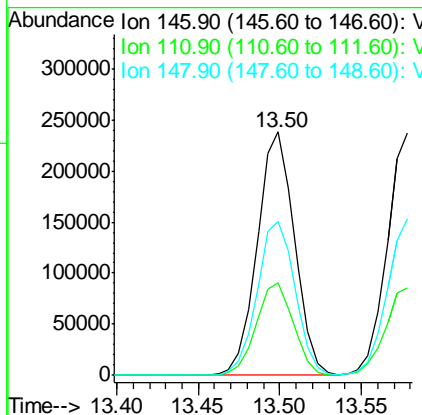
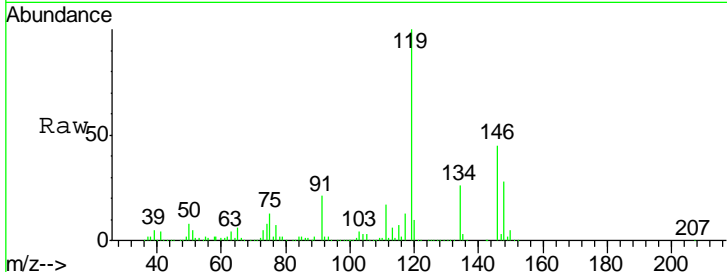
#87
 1,3-Dichlorobenzene
 Concen: 47.208 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	64.5	31.9	95.5

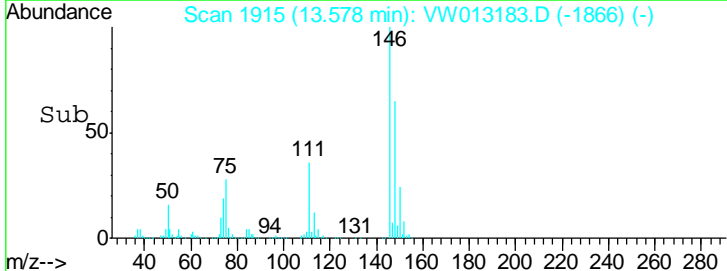
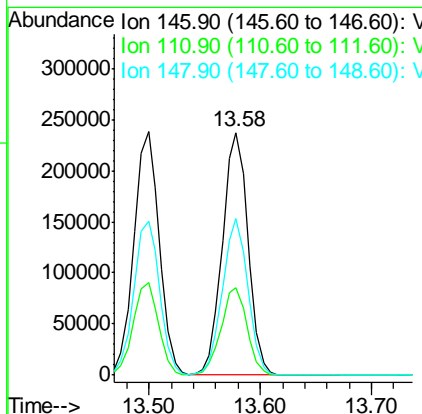
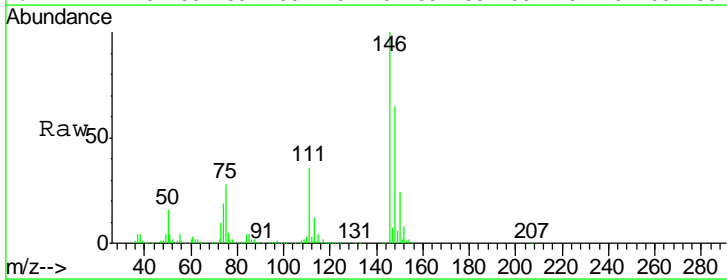
Manual Integrations
 APPROVED

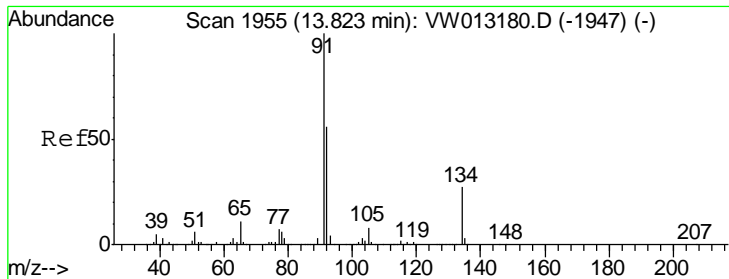
MMDadoda
 9/24/2019 5:28:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.073 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
146	100		
111	36.9	18.4	55.0
148	64.0	32.1	96.3





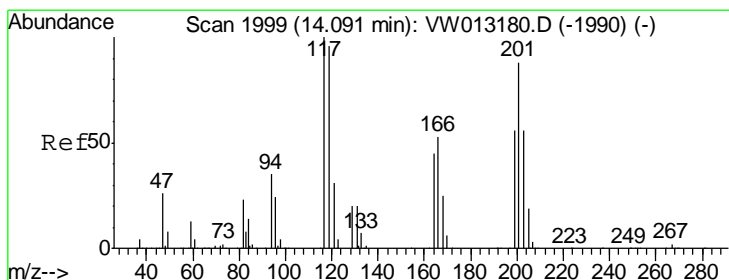
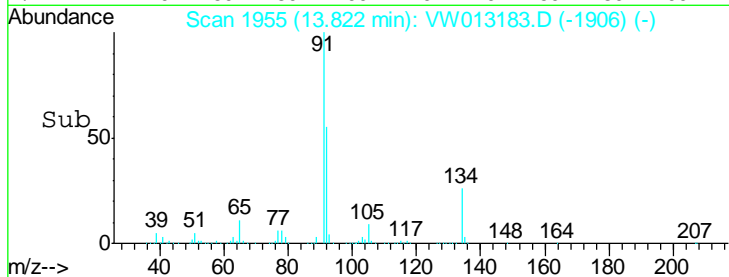
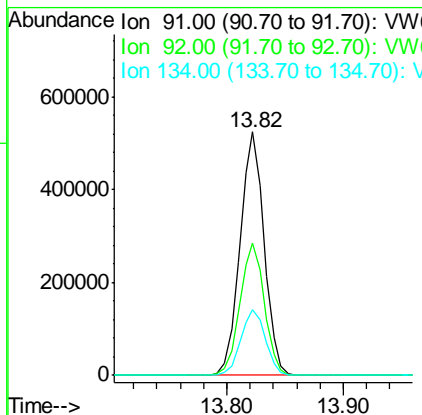
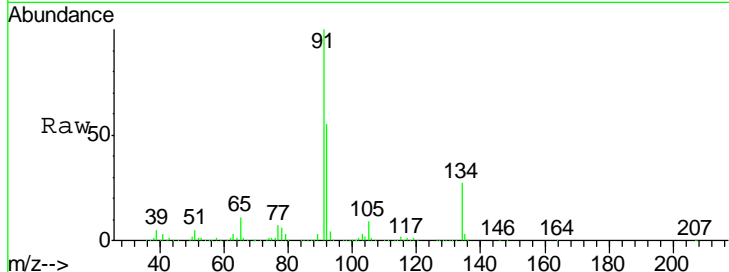
#89
 n-Butylbenzene
 Concen: 49.939 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.2	27.6	82.8
134	27.5	13.7	41.1

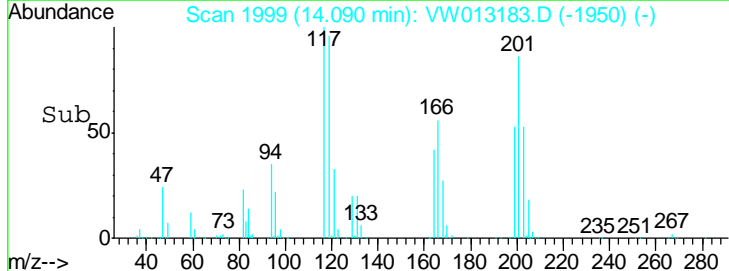
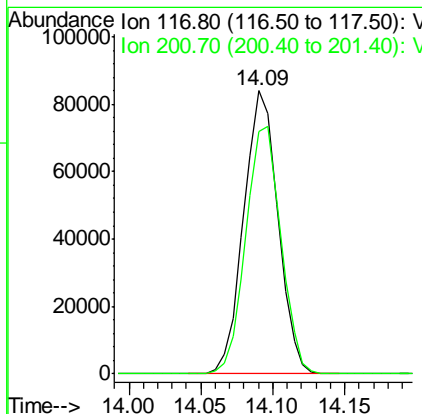
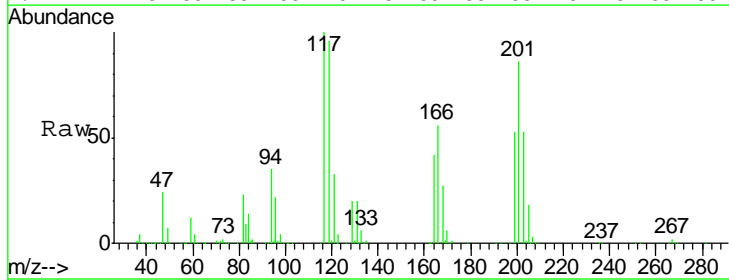
Manual Integrations
 APPROVED

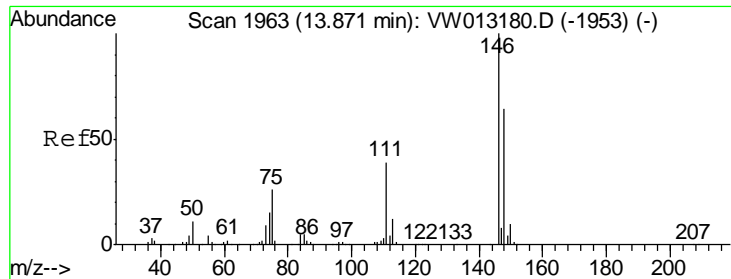
MMDadoda
 9/24/2019 5:28:51 AM



#90
 Hexachloroethane
 Concen: 49.651 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Resp	Lower	Upper
117	100		
201	89.4	44.5	133.5





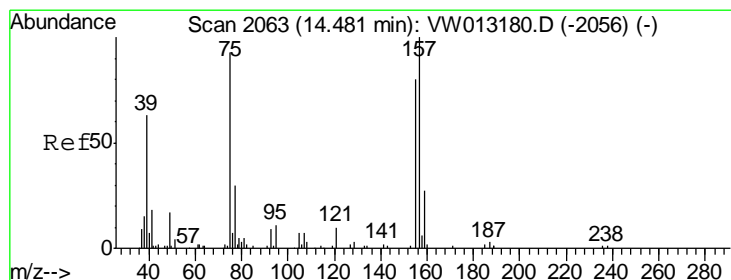
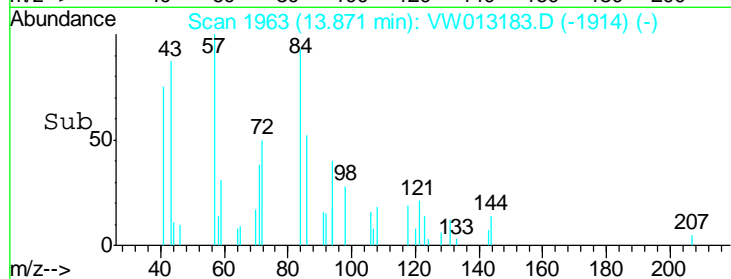
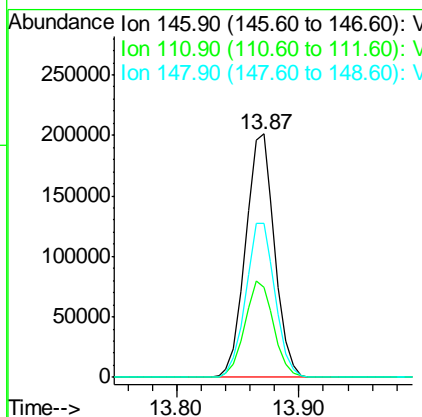
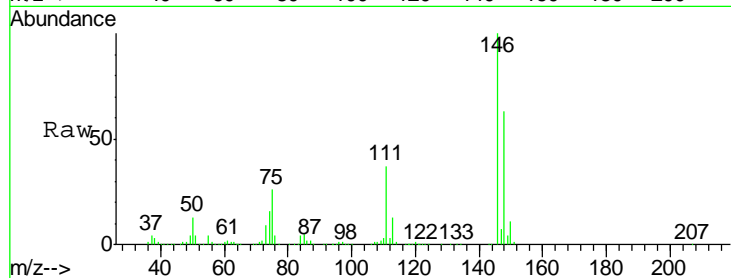
#91
 1,2-Dichlorobenzene
 Concen: 47.826 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

Tgt Ion	Resp	Lower	Upper
146	330985		
111	39.4	20.1	60.3
148	63.9	32.0	96.0

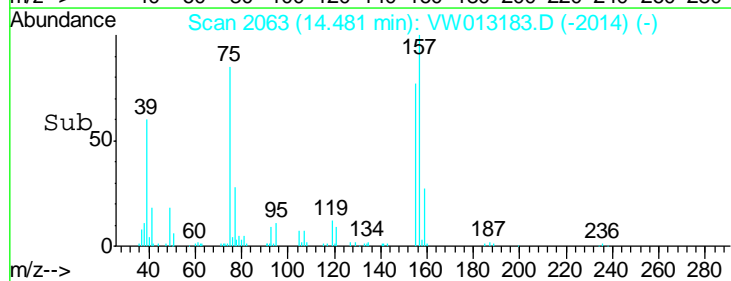
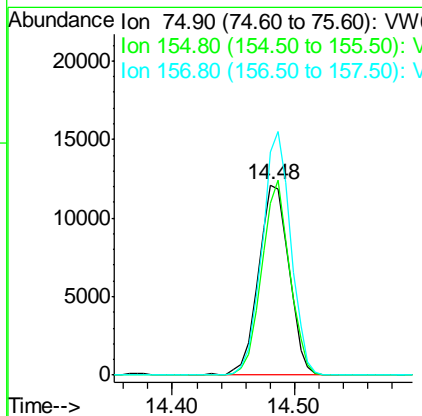
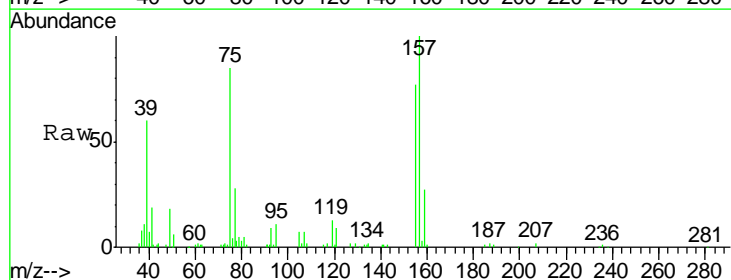
Manual Integrations
 APPROVED

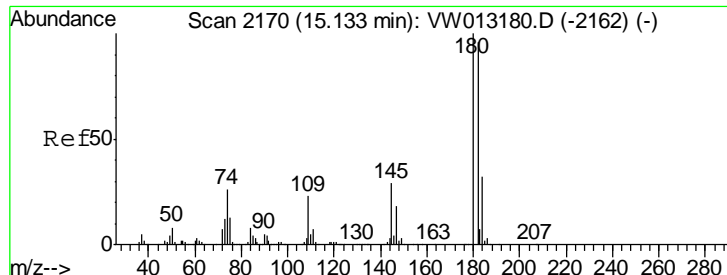
MMDadoda
 9/24/2019 5:28:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.102 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

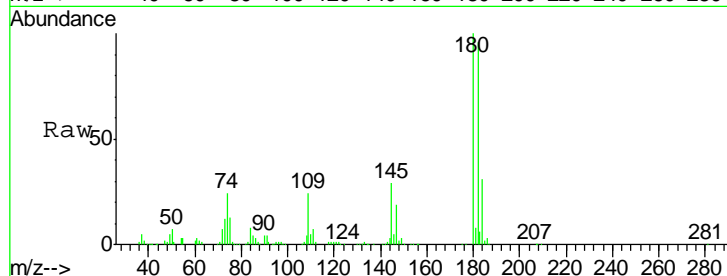
Tgt Ion	Resp	Lower	Upper
75	21134		
155	93.0	46.1	138.3
157	119.5	60.4	181.2





#93
 1,2,4-Trichlorobenzene
 Concen: 50.468 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

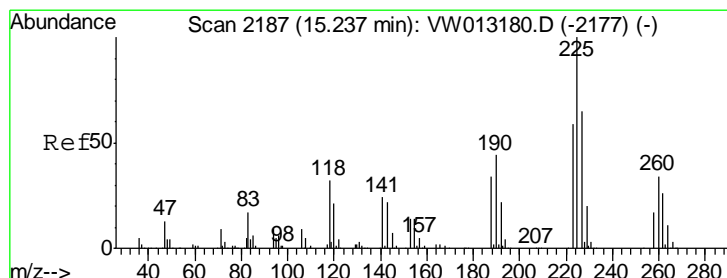
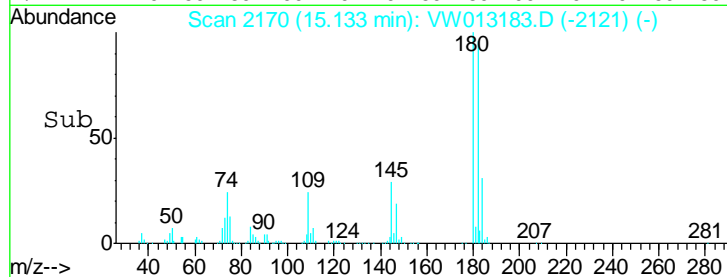
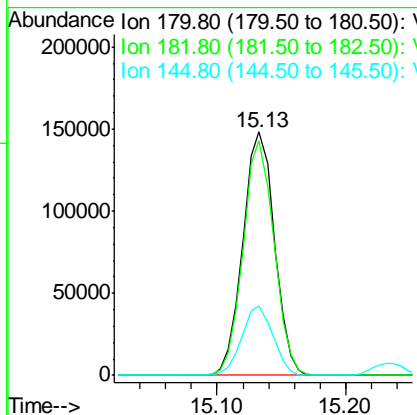
Instrument : MSVOA_W
 ClientSampled : ICVVW092019



Tgt Ion	Resp	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	28.4	14.2	42.8

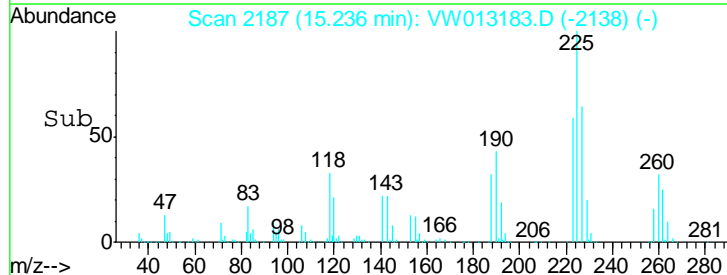
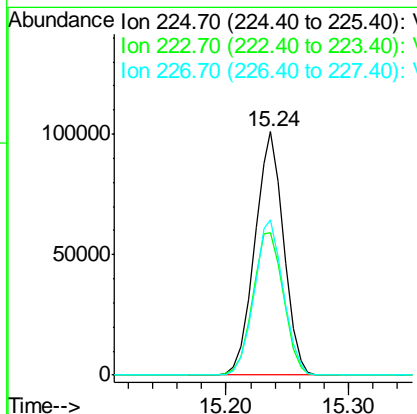
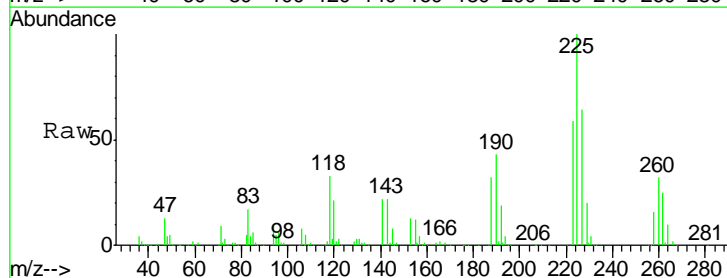
Manual Integrations
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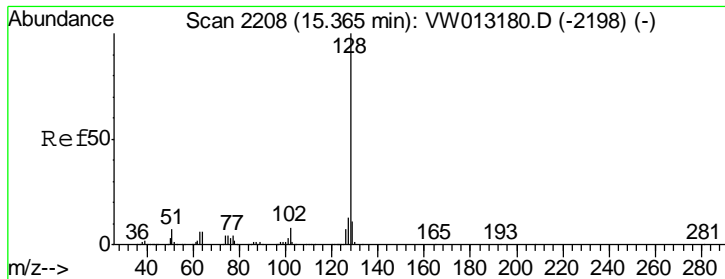
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 9/24/2019 5:28:51 AM



#94
 Hexachlorobutadiene
 Concen: 48.664 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

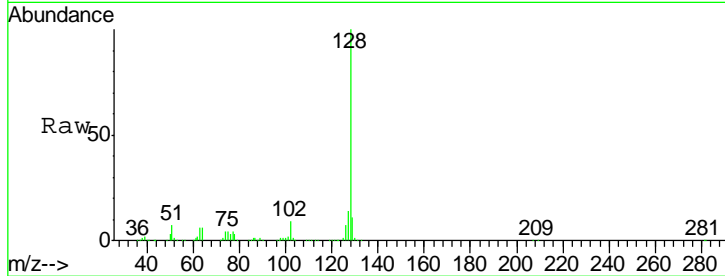
Tgt Ion	Resp	Lower	Upper
225	100		
223	62.4	30.6	91.8
227	64.5	31.9	95.9





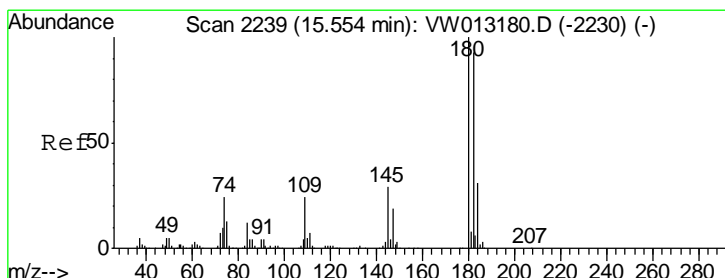
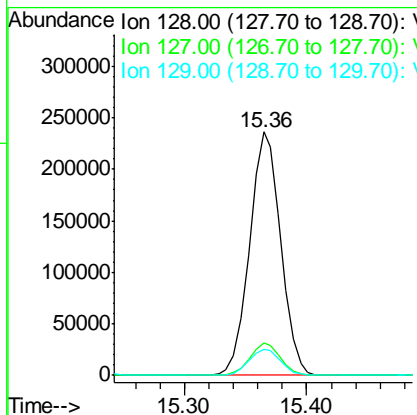
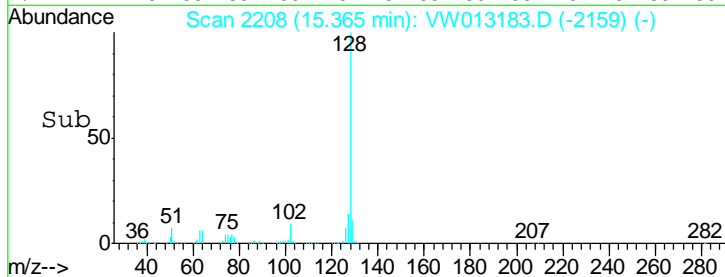
#95
 Naphthalene
 Concen: 51.405 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument : MSVOA_W
 Client Sampled : ICVVW092019

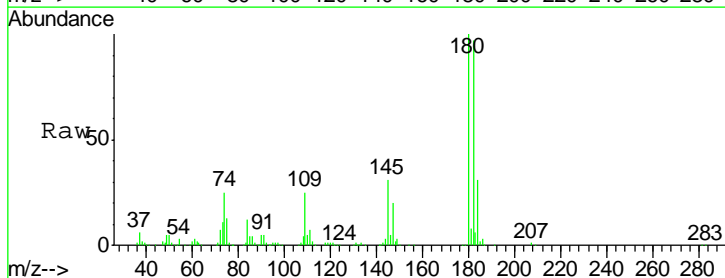


Tgt Ion	Resp	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.7	13.1

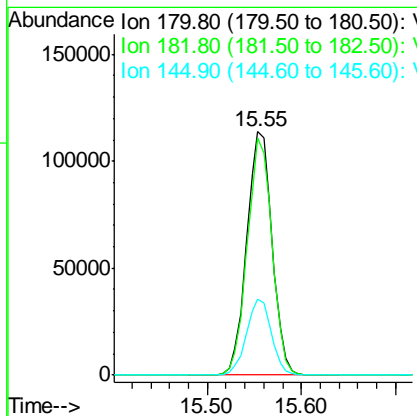
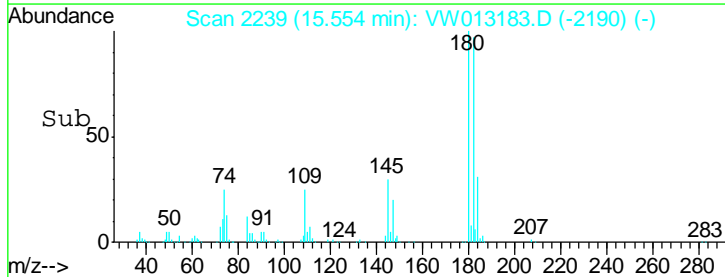
Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:51 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 50.158 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34



Tgt Ion	Resp	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	30.6	15.0	45.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2 T	Dichlorodifluoromethane	50.000	49.162	1.7	111	0.00
3 P	Chloromethane	50.000	43.911	12.2	101	0.00
4 C	Vinyl Chloride	50.000	45.807	8.4#	102	0.00
5 T	Bromomethane	50.000	46.870	6.3	101	0.00
6 T	Chloroethane	50.000	46.265	7.5	99	0.00
7 T	Trichlorofluoromethane	50.000	46.235	7.5	100	0.00
8 T	Diethyl Ether	50.000	45.707	8.6	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.351	5.3	101	0.00
10 T	Methyl Iodide	50.000	45.412	9.2	96	0.00
11 T	Tert butyl alcohol	250.000	221.285	11.5	104	0.00
12 CM	1,1-Dichloroethene	50.000	47.612	4.8#	102	0.00
13 T	Acrolein	250.000	238.111	4.8	95	0.00
14 T	Allyl chloride	50.000	48.241	3.5	101	0.00
15 T	Acrylonitrile	250.000	230.623	7.8	99	0.00
16 T	Acetone	250.000	260.764	-4.3	116	0.00
17 T	Carbon Disulfide	50.000	48.277	3.4	101	0.00
18 T	Methyl Acetate	50.000	42.530	14.9	96	0.00
19 T	Methyl tert-butyl Ether	50.000	46.522	7.0	98	0.00
20 T	Methylene Chloride	50.000	46.960	6.1	97	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.351	5.3	99	0.00
22 T	Diisopropyl ether	50.000	47.344	5.3	98	0.00
23 T	Vinyl Acetate	250.000	240.191	3.9	100	0.00
24 P	1,1-Dichloroethane	50.000	47.162	5.7	99	0.00
25 T	2-Butanone	250.000	224.132	10.3	101	0.00
26 T	2,2-Dichloropropane	50.000	49.055	1.9	99	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.618	6.8	97	0.00
28 T	Bromochloromethane	50.000	50.633	-1.3	99	0.00
29 T	Tetrahydrofuran	250.000	225.981	9.6	99	0.00
30 C	Chloroform	50.000	46.141	7.7#	100	0.00
31 T	Cyclohexane	50.000	46.119	7.8	102	0.00
32 T	1,1,1-Trichloroethane	50.000	47.253	5.5	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.070	7.9	97	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	47.354	5.3	99	0.00
36 T	1,1-Dichloropropene	50.000	47.230	5.5	101	0.00
37 T	Ethyl Acetate	50.000	45.126	9.7	99	0.00
38 T	Carbon Tetrachloride	50.000	47.901	4.2	100	0.00
39 T	Methylcyclohexane	50.000	48.771	2.5	101	0.00
40 TM	Benzene	50.000	47.296	5.4	100	0.00
41 T	Methacrylonitrile	50.000	45.973	8.1	97	0.00
42 TM	1,2-Dichloroethane	50.000	46.102	7.8	97	0.00
43 T	Isopropyl Acetate	50.000	45.726	8.5	99	0.00
44 TM	Trichloroethene	50.000	47.287	5.4	100	0.00
45 C	1,2-Dichloropropane	50.000	47.627	4.7#	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 ICVVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	47.009	6.0	100	0.00
47 T	Bromodichloromethane	50.000	47.957	4.1	100	0.00
48 T	Methyl methacrylate	50.000	49.749	0.5	107	0.00
49 T	1,4-Dioxane	1000.000	874.296	12.6	106	0.00
50 S	Toluene-d8	50.000	47.136	5.7	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	227.362	9.1	98	0.00
52 CM	Toluene	50.000	47.528	4.9#	100	0.00
53 T	t-1,3-Dichloropropene	50.000	48.697	2.6	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.791	2.4	102	0.00
55 T	1,1,2-Trichloroethane	50.000	46.420	7.2	99	0.00
56 T	Ethyl methacrylate	50.000	47.862	4.3	99	0.00
57 T	1,3-Dichloropropane	50.000	46.573	6.9	98	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	246.263	1.5	98	0.00
59 T	2-Hexanone	250.000	236.976	5.2	101	0.00
60 T	Dibromochloromethane	50.000	47.530	4.9	99	0.00
61 T	1,2-Dibromoethane	50.000	46.408	7.2	100	0.00
62 S	4-Bromofluorobenzene	50.000	46.925	6.2	98	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	47.778	4.4	100	0.00
65 PM	Chlorobenzene	50.000	47.382	5.2	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.136	3.7	99	0.00
67 C	Ethyl Benzene	50.000	48.381	3.2#	99	0.00
68 T	m/p-Xylenes	100.000	96.706	3.3	99	0.00
69 T	o-Xylene	50.000	47.673	4.7	98	0.00
70 T	Styrene	50.000	48.482	3.0	98	0.00
71 P	Bromoform	50.000	47.742	4.5	99	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	48.410	3.2	100	0.00
74 T	N-amyl acetate	50.000	47.605	4.8	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.568	8.9	98	0.00
76 T	1,2,3-Trichloropropane	50.000	50.585	-1.2	100	0.00
77 T	Bromobenzene	50.000	47.325	5.3	96	0.00
78 T	n-propylbenzene	50.000	48.570	2.9	100	0.00
79 T	2-Chlorotoluene	50.000	48.103	3.8	99	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.054	3.9	99	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.200	3.6	100	0.00
82 T	4-Chlorotoluene	50.000	47.770	4.5	100	0.00
83 T	tert-Butylbenzene	50.000	48.357	3.3	99	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.502	3.0	100	0.00
85 T	sec-Butylbenzene	50.000	48.986	2.0	100	0.00
86 T	p-Isopropyltoluene	50.000	49.187	1.6	100	0.00
87 T	1,3-Dichlorobenzene	50.000	47.208	5.6	98	0.00
88 T	1,4-Dichlorobenzene	50.000	48.073	3.9	100	0.00
89 T	n-Butylbenzene	50.000	49.939	0.1	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	49.651	0.7	101	0.00
91 T	1,2-Dichlorobenzene	50.000	47.826	4.3	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.102	5.8	100	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.468	-0.9	102	0.00
94 T	Hexachlorobutadiene	50.000	48.664	2.7	102	0.00
95 T	Naphthalene	50.000	51.405	-2.8	102	0.00
96 T	1,2,3-Trichlorobenzene	50.000	50.158	-0.3	102	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2 T	Dichlorodifluoromethane	0.288	0.284	1.4	111	0.00
3 P	Chloromethane	0.371	0.326	12.1	101	0.00
4 C	Vinyl Chloride	0.478	0.438	8.4#	102	0.00
5 T	Bromomethane	0.303	0.284	6.3	101	0.00
6 T	Chloroethane	0.282	0.261	7.4	99	0.00
7 T	Trichlorofluoromethane	0.276	0.255	7.6	100	0.00
8 T	Diethyl Ether	0.235	0.215	8.5	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.449	0.425	5.3	101	0.00
10 T	Methyl Iodide	0.696	0.632	9.2	96	0.00
11 T	Tert butyl alcohol	0.034	0.026	23.5#	104	0.00
12 CM	1,1-Dichloroethene	0.465	0.442	4.9#	102	0.00
13 T	Acrolein	0.023	0.022	4.3	95	0.00
14 T	Allyl chloride	0.740	0.713	3.6	101	0.00
15 T	Acrylonitrile	0.102	0.094	7.8	99	0.00
16 T	Acetone	0.092	0.096	-4.3	116	0.00
17 T	Carbon Disulfide	1.343	1.297	3.4	101	0.00
18 T	Methyl Acetate	0.259	0.220	15.1	96	0.00
19 T	Methyl tert-butyl Ether	0.712	0.663	6.9	98	0.00
20 T	Methylene Chloride	0.521	0.444	14.8	97	0.00
21 T	trans-1,2-Dichloroethene	0.502	0.476	5.2	99	0.00
22 T	Diisopropyl ether	1.406	1.332	5.3	98	0.00
23 T	Vinyl Acetate	0.834	0.802	3.8	100	0.00
24 P	1,1-Dichloroethane	0.849	0.800	5.8	99	0.00
25 T	2-Butanone	0.138	0.124	10.1	101	0.00
26 T	2,2-Dichloropropane	0.563	0.499	11.4	99	0.00
27 T	cis-1,2-Dichloroethene	0.530	0.494	6.8	97	0.00
28 T	Bromochloromethane	0.326	0.330	-1.2	99	0.00
29 T	Tetrahydrofuran	0.085	0.077	9.4	99	0.00
30 C	Chloroform	0.831	0.767	7.7#	100	0.00
31 T	Cyclohexane	0.885	0.816	7.8	102	0.00
32 T	1,1,1-Trichloroethane	0.673	0.636	5.5	100	0.00
33 S	1,2-Dichloroethane-d4	0.408	0.376	7.8	97	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.275	0.260	5.5	99	0.00
36 T	1,1-Dichloropropene	0.484	0.457	5.6	101	0.00
37 T	Ethyl Acetate	0.206	0.186	9.7	99	0.00
38 T	Carbon Tetrachloride	0.434	0.416	4.1	100	0.00
39 T	Methylcyclohexane	0.622	0.607	2.4	101	0.00
40 TM	Benzene	1.351	1.278	5.4	100	0.00
41 T	Methacrylonitrile	0.123	0.113	8.1	97	0.00
42 TM	1,2-Dichloroethane	0.363	0.335	7.7	97	0.00
43 T	Isopropyl Acetate	0.394	0.361	8.4	99	0.00
44 TM	Trichloroethene	0.379	0.358	5.5	100	0.00
45 C	1,2-Dichloropropane	0.330	0.314	4.8#	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.160	0.151	5.6	100	0.00
47 T	Bromodichloromethane	0.407	0.391	3.9	100	0.00
48 T	Methyl methacrylate	0.185	0.185	0.0	107	0.00
49 T	1,4-Dioxane	0.002	0.002	0.0	106	0.00
50 S	Toluene-d8	1.151	1.085	5.7	97	0.00
51 T	4-Methyl-2-Pentanone	0.198	0.180	9.1	98	0.00
52 CM	Toluene	0.866	0.823	5.0#	100	0.00
53 T	t-1,3-Dichloropropene	0.419	0.408	2.6	100	0.00
54 T	cis-1,3-Dichloropropene	0.509	0.497	2.4	102	0.00
55 T	1,1,2-Trichloroethane	0.239	0.222	7.1	99	0.00
56 T	Ethyl methacrylate	0.313	0.300	4.2	99	0.00
57 T	1,3-Dichloropropane	0.418	0.389	6.9	98	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.143	1.4	98	0.00
59 T	2-Hexanone	0.136	0.129	5.1	101	0.00
60 T	Dibromochloromethane	0.272	0.258	5.1	99	0.00
61 T	1,2-Dibromoethane	0.228	0.211	7.5	100	0.00
62 S	4-Bromofluorobenzene	0.393	0.369	6.1	98	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.379	0.363	4.2	100	0.00
65 PM	Chlorobenzene	1.044	0.989	5.3	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.357	0.343	3.9	99	0.00
67 C	Ethyl Benzene	1.892	1.831	3.2#	99	0.00
68 T	m/p-Xylenes	0.721	0.697	3.3	99	0.00
69 T	o-Xylene	0.670	0.639	4.6	98	0.00
70 T	Styrene	1.151	1.116	3.0	98	0.00
71 P	Bromoform	0.188	0.180	4.3	99	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	3.694	3.576	3.2	100	0.00
74 T	N-amyl acetate	0.820	0.780	4.9	98	0.00
75 P	1,1,2,2-Tetrachloroethane	0.618	0.563	8.9	98	0.00
76 T	1,2,3-Trichloropropane	0.442	0.447	-1.1	100	0.00
77 T	Bromobenzene	0.875	0.828	5.4	96	0.00
78 T	n-propylbenzene	4.323	4.200	2.8	100	0.00
79 T	2-Chlorotoluene	2.422	2.330	3.8	99	0.00
80 T	1,3,5-Trimethylbenzene	3.105	2.984	3.9	99	0.00
81 T	trans-1,4-Dichloro-2-butene	0.197	0.190	3.6	100	0.00
82 T	4-Chlorotoluene	2.554	2.440	4.5	100	0.00
83 T	tert-Butylbenzene	2.725	2.636	3.3	99	0.00
84 T	1,2,4-Trimethylbenzene	3.090	2.997	3.0	100	0.00
85 T	sec-Butylbenzene	3.757	3.681	2.0	100	0.00
86 T	p-Isopropyltoluene	3.485	3.428	1.6	100	0.00
87 T	1,3-Dichlorobenzene	1.685	1.590	5.6	98	0.00
88 T	1,4-Dichlorobenzene	1.652	1.588	3.9	100	0.00
89 T	n-Butylbenzene	3.182	3.178	0.1	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVW092019

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T Hexachloroethane	0.585	0.581	0.7	101	0.00
91 T 1,2-Dichlorobenzene	1.457	1.394	4.3	99	0.00
92 T 1,2-Dibromo-3-Chloropropane	0.094	0.089	5.3	100	0.00
93 T 1,2,4-Trichlorobenzene	1.044	1.054	-1.0	102	0.00
94 T Hexachlorobutadiene	0.714	0.695	2.7	102	0.00
95 T Naphthalene	1.708	1.756	-2.8	102	0.00
96 T 1,2,3-Trichlorobenzene	0.902	0.905	-0.3	102	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG No.: K4939
 Instrument ID: MSVOA_N Calibration Date/Time: 09/23/2019 08:42
 Lab File ID: VN058275.D Init. Calib. Date(s): 09/18/2019 09/18/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:21 11:11
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.411	0.364		-11.44	20
Chloromethane	0.383	0.312	0.1	-18.54	20
Vinyl Chloride	0.398	0.332		-16.58	20
Bromomethane	0.197	0.187		-5.08	20
Chloroethane	0.263	0.229		-12.93	20
Trichlorofluoromethane	0.561	0.504		-10.16	20
1,1,2-Trichlorotrifluoroethane	0.404	0.384		-4.95	20
1,1-Dichloroethene	0.342	0.302		-11.7	20
Acetone	0.236	0.279		18.22	20
Carbon Disulfide	0.526	0.408		-22.43	20
Methyl tert-butyl Ether	1.525	1.533		0.52	20
Methyl Acetate	0.622	0.611		-1.77	20
Methylene Chloride	0.460	0.426		-7.39	20
trans-1,2-Dichloroethene	0.371	0.329		-11.32	20
1,1-Dichloroethane	0.897	0.893	0.1	-0.45	20
Cyclohexane	0.664	0.563		-15.21	20
2-Butanone	0.322	0.361		12.11	20
Carbon Tetrachloride	0.362	0.357		-1.38	20
cis-1,2-Dichloroethene	0.507	0.497		-1.97	20
Bromochloromethane	0.424	0.457		7.78	20
Chloroform	0.965	0.963		-0.21	20
1,1,1-Trichloroethane	0.735	0.747		1.63	20
Methylcyclohexane	0.380	0.330		-13.16	20
Benzene	1.101	1.062		-3.54	20
1,2-Dichloroethane	0.462	0.457		-1.08	20
Trichloroethene	0.270	0.261		-3.33	20
1,2-Dichloropropane	0.329	0.335		1.82	20
Bromodichloromethane	0.419	0.450		7.4	20
4-Methyl-2-Pentanone	0.371	0.425		14.56	20
Toluene	0.690	0.677		-1.88	20
t-1,3-Dichloropropene	0.429	0.471		9.79	20
cis-1,3-Dichloropropene	0.474	0.498		5.06	20
1,1,2-Trichloroethane	0.306	0.319		4.25	20
2-Hexanone	0.276	0.332		20.29	20
Dibromochloromethane	0.295	0.335		13.56	20
1,2-Dibromoethane	0.284	0.290		2.11	20
Tetrachloroethene	0.244	0.222		-9.02	20
Chlorobenzene	0.879	0.861	0.3	-2.05	20
Ethyl Benzene	1.507	1.550		2.85	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG No.: K4939
 Instrument ID: MSVOA_N Calibration Date/Time: 09/23/2019 08:42
 Lab File ID: VN058275.D Init. Calib. Date(s): 09/18/2019 09/18/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:21 11:11
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.568	0.567		-0.18	20
o-Xylene	0.558	0.570		2.15	20
Styrene	0.962	1.029		6.97	20
Bromoform	0.203	0.235	0.1	15.76	20
Isopropylbenzene	3.130	3.264		4.28	20
1,1,2,2-Tetrachloroethane	1.048	1.087	0.3	3.72	20
1,3-Dichlorobenzene	1.438	1.483		3.13	20
1,4-Dichlorobenzene	1.468	1.486		1.23	20
1,2-Dichlorobenzene	1.442	1.481		2.7	20
1,2-Dibromo-3-Chloropropane	0.189	0.203		7.41	20
1,2,4-Trichlorobenzene	0.922	0.924		0.22	20
1,2,3-Trichlorobenzene	0.871	0.861		-1.15	20
1,2-Dichloroethane-d4	0.696	0.726		4.31	20
Dibromofluoromethane	0.304	0.306		0.66	20
Toluene-d8	1.184	1.215		2.62	20
4-Bromofluorobenzene	0.440	0.456		3.64	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:31 AM

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	470201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	793108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	735444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	366875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	341162	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	7.57	113	242651	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.09	98	963952	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.40	95	361893	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	171225	44.329	ug/l	98
3) Chloromethane	2.03	50	146786	49.287	ug/l	96
4) Vinyl Chloride	2.17	62	156324	47.978	ug/l	98
5) Bromomethane	2.54	94	87899	50.987	ug/l	98
6) Chloroethane	2.68	64	107581	51.642	ug/l	99
7) Trichlorofluoromethane	3.00	101	236864	44.927	ug/l	99
8) Diethyl Ether	3.39	74	111131	46.003	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180583	47.506	ug/l	99
10) Methyl Iodide	3.93	142	149509	46.938	ug/l	100
11) Tert butyl alcohol	4.75	59	184273	236.546	ug/l	100
12) 1,1-Dichloroethene	3.72	96	141859	49.170	ug/l	93
13) Acrolein	3.59	56	37232	322.502	ug/l	100
14) Allyl chloride	4.30	41	274984	44.209	ug/l	91
15) Acrylonitrile	4.96	53	541815	261.050	ug/l	100
16) Acetone	3.79	43	655079	294.684	ug/l	98
17) Carbon Disulfide	4.03	76	191834	47.259	ug/l	98
18) Methyl Acetate	4.30	43	287383	49.130	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	720711	50.269	ug/l	99
20) Methylene Chloride	4.53	84	200247	51.457	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	154603	49.176	ug/l	97
22) Diisopropyl ether	5.93	45	811609	51.367	ug/l	99
23) Vinyl Acetate	5.87	43	2929910	271.001	ug/l	100
24) 1,1-Dichloroethane	5.82	63	419704	49.770	ug/l	99
25) 2-Butanone	6.81	43	847826	279.944	ug/l	99
26) 2,2-Dichloropropane	6.80	77	356431	49.821	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	233464	48.962	ug/l	99
28) Bromochloromethane	7.18	49	214916	53.873	ug/l	98
29) Tetrahydrofuran	7.19	42	458763	245.919	ug/l	99
30) Chloroform	7.35	83	452609	49.862	ug/l	99
31) Cyclohexane	7.63	56	264642	48.475	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	351258	50.831	ug/l	99
36) 1,1-Dichloropropene	7.78	75	260545	45.554	ug/l	100
37) Ethyl Acetate	6.91	43	300976	50.707	ug/l	100
38) Carbon Tetrachloride	7.76	117	282782	49.185	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:31 AM

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	261706	47.329	ug/l	98
40) Benzene	8.03	78	842149	48.207	ug/l	100
41) Methacrylonitrile	7.16	41	167723	55.980	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	362496	49.452	ug/l	100
43) Isopropyl Acetate	8.15	43	535744	48.329	ug/l #	92
44) Trichloroethene	8.82	130	206759	48.365	ug/l	99
45) 1,2-Dichloropropane	9.11	63	265561	50.903	ug/l	99
46) Dibromomethane	9.20	93	156850	49.451	ug/l	99
47) Bromodichloromethane	9.39	83	356974	53.721	ug/l	100
48) Methyl methacrylate	9.19	41	261923	52.039	ug/l	99
49) 1,4-Dioxane	9.19	88	87112	1054.169	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1686155	286.370	ug/l	99
52) Toluene	10.15	92	537272	49.074	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	373321	54.846	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	395062	52.569	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	253395	52.155	ug/l	98
56) Ethyl methacrylate	10.43	69	378737	54.028	ug/l	99
57) 1,3-Dichloropropane	10.71	76	425568	50.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	936453	280.454	ug/l	100
59) 2-Hexanone	10.75	43	1315286	300.776	ug/l	98
60) Dibromochloromethane	10.90	129	266004	56.910	ug/l	100
61) 1,2-Dibromoethane	11.00	107	230097	51.103	ug/l	100
64) Tetrachloroethene	10.63	164	163450	45.591	ug/l	99
65) Chlorobenzene	11.43	112	633217	48.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	249602	53.213	ug/l	100
67) Ethyl Benzene	11.51	91	1139803	51.422	ug/l	100
68) m/p-Xylenes	11.62	106	834069	99.910	ug/l	98
69) o-Xylene	11.95	106	419262	51.075	ug/l	100
70) Styrene	11.97	104	756754	53.505	ug/l	100
71) Bromoform	12.13	173	172830	49.720	ug/l #	99
73) Isopropylbenzene	12.25	105	1197476	52.146	ug/l	99
74) N-amyl acetate	12.07	43	523253	54.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	398915	51.874	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	335989m	51.172	ug/l	
77) Bromobenzene	12.53	156	282248	48.862	ug/l	98
78) n-propylbenzene	12.60	91	1421941	54.490	ug/l	99
79) 2-Chlorotoluene	12.68	91	853099	52.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1025575	52.813	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107292	48.792	ug/l	99
82) 4-Chlorotoluene	12.78	91	886342	51.702	ug/l	99
83) tert-Butylbenzene	13.00	119	893636	51.604	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1048142	54.238	ug/l	99
85) sec-Butylbenzene	13.18	105	1232108	54.409	ug/l	100
86) p-Isopropyltoluene	13.30	119	1105849	54.930	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	544074	51.568	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	545312	50.627	ug/l	100
89) n-Butylbenzene	13.62	91	1022443	53.568	ug/l	100
90) Hexachloroethane	13.88	117	182037	51.476	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	543463	51.351	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74657	53.925	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 9/25/2019 12:47:31 AM

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	339058	50.142	ug/l	99
94) Hexachlorobutadiene	15.02	225	152163	46.557	ug/l	100
95) Naphthalene	15.13	128	904845	51.634	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	315907	49.428	ug/l	100

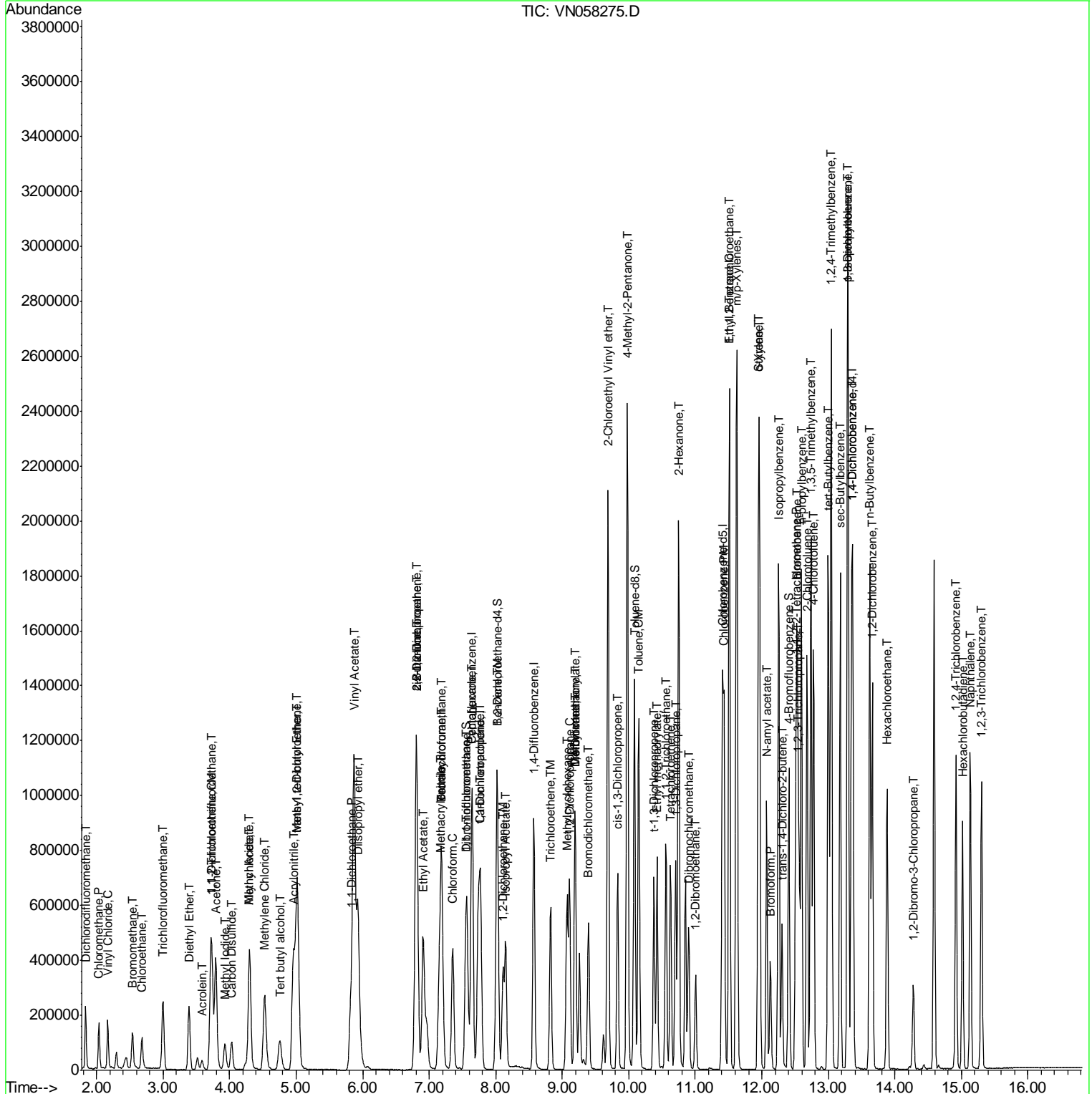
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

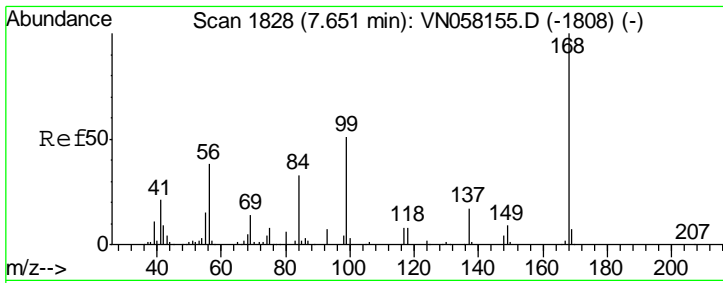
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Manual Integrations
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 9/25/2019 12:47:31 AM

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration



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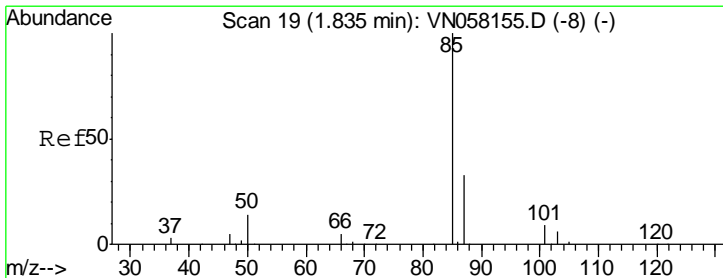
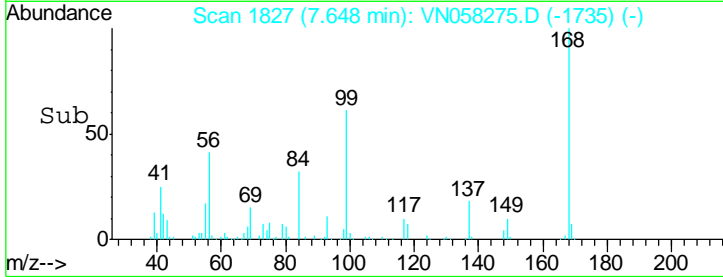
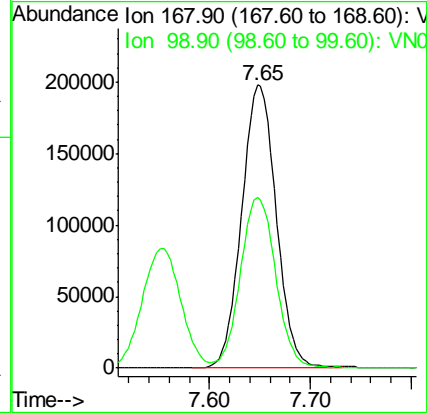
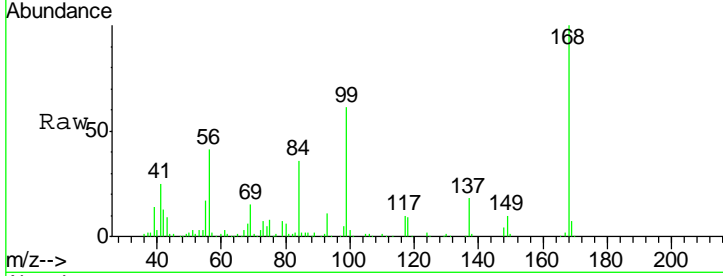
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	60.1	47.4	71.2

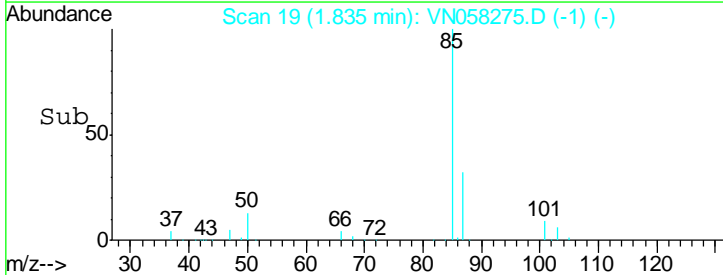
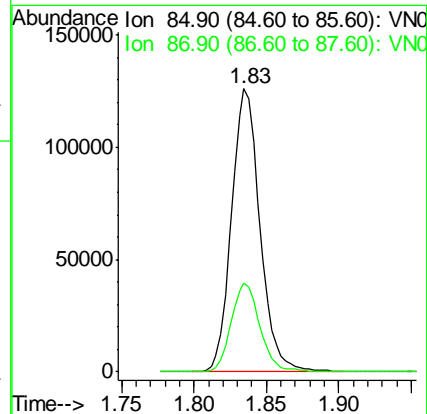
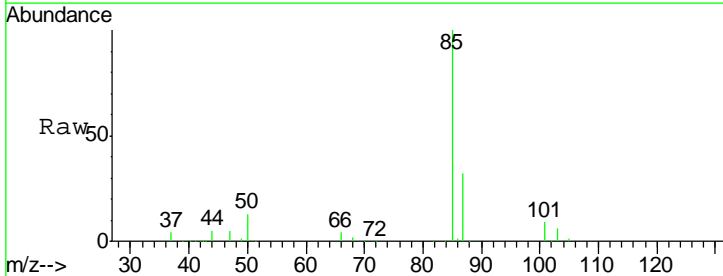
Manual Integrations
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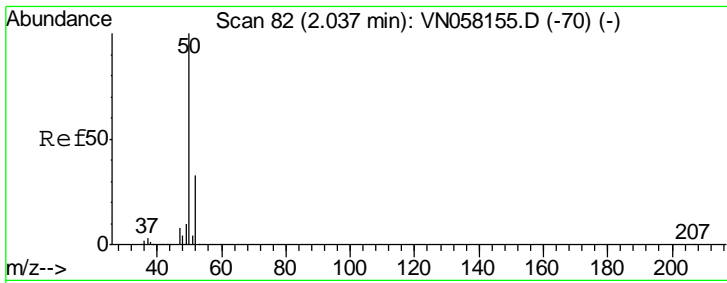
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#2
 Dichlorodifluoromethane
 Concen: 44.329 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.5	16.3	48.9



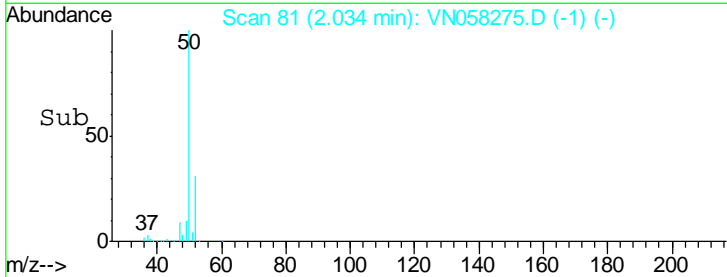
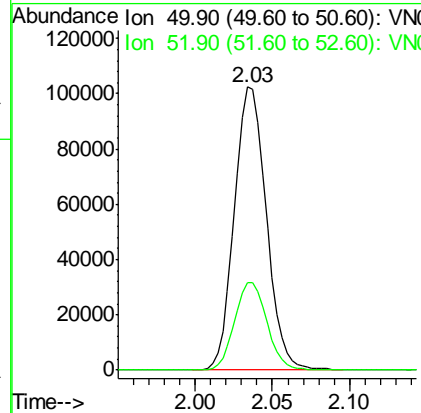
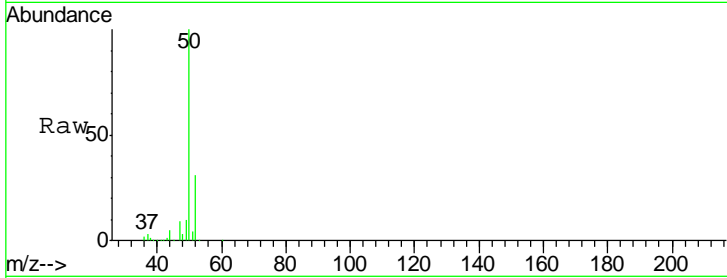


#3
 Chloromethane
 Concen: 49.287 ug/l
 RT: 2.03 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
50	146786		
52	30.8	26.3	39.5

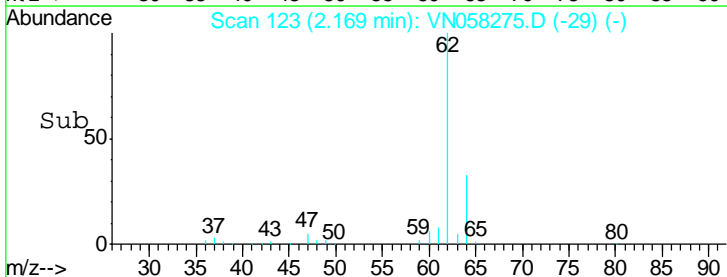
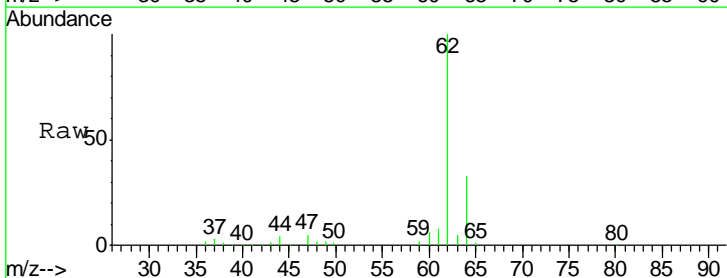
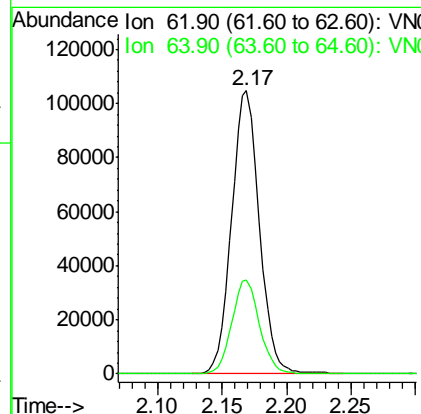
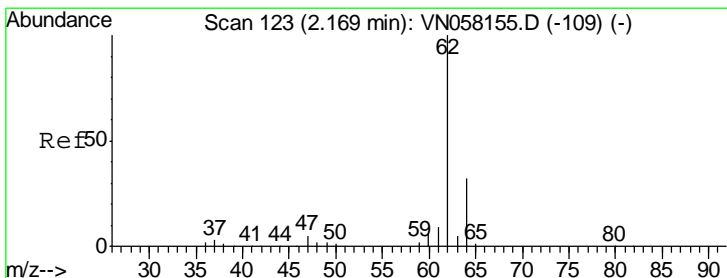
Instrument : MSVOA_N
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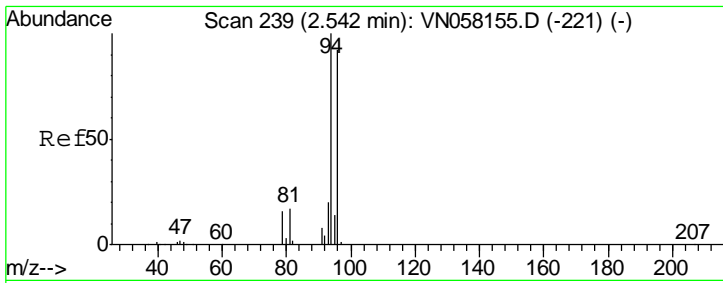
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#4
 Vinyl Chloride
 Concen: 47.978 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
62	156324		
64	33.2	25.4	38.2



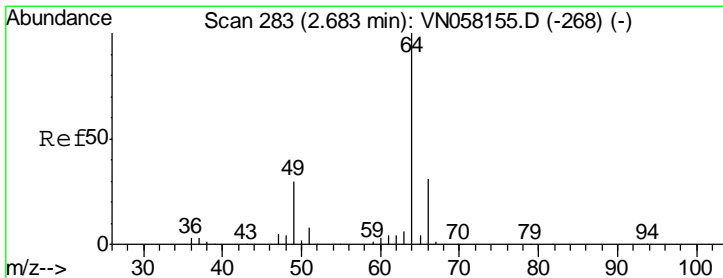
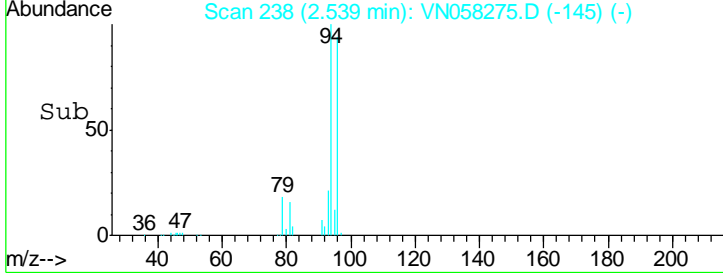
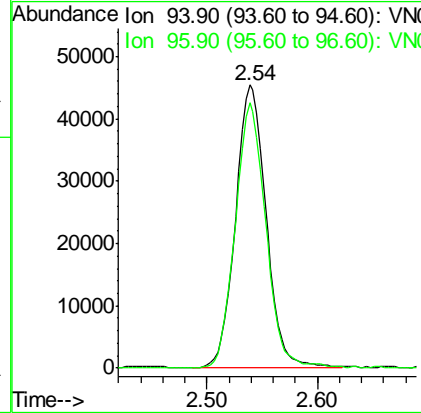
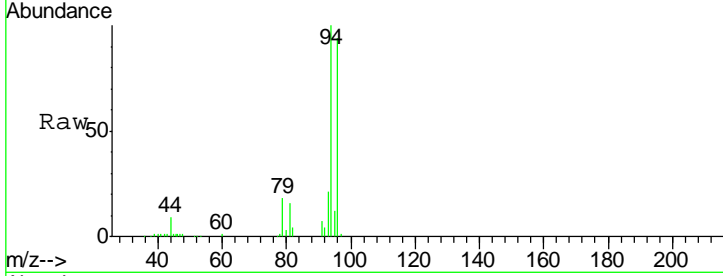


#5
 Bromomethane
 Concen: 50.987 ug/l
 RT: 2.54 min Scan# 238
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.6	73.3	109.9

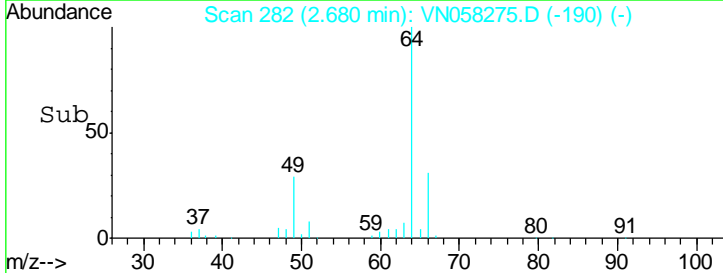
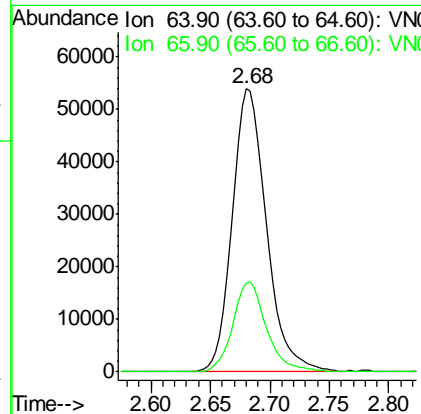
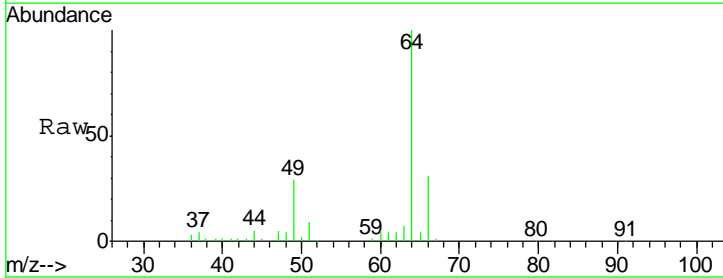
Instrument : MSVOA_N
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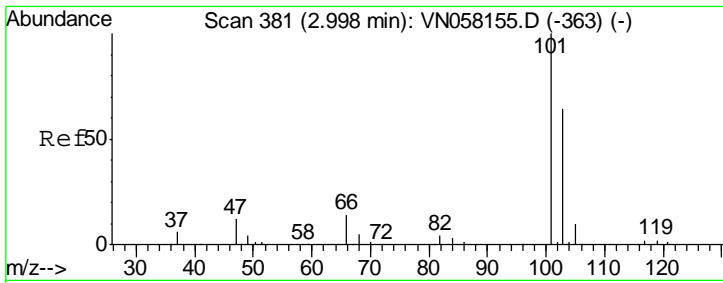
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#6
 Chloroethane
 Concen: 51.642 ug/l
 RT: 2.68 min Scan# 282
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.4	24.6	37.0



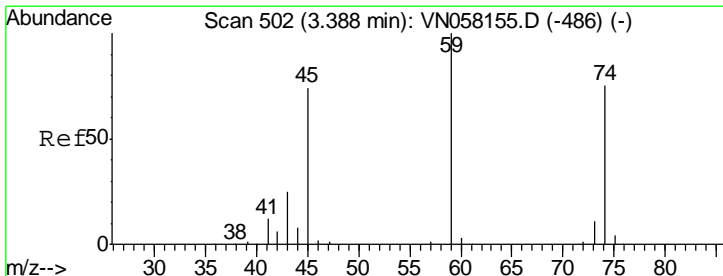
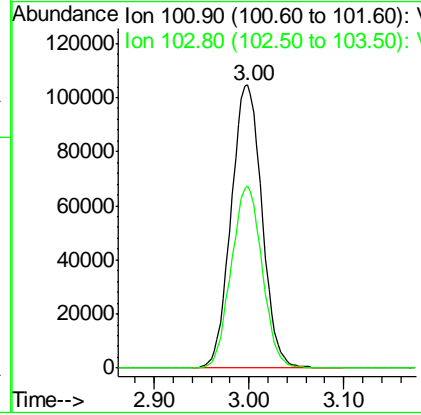
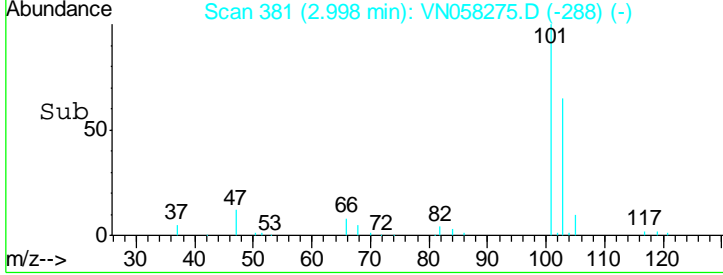
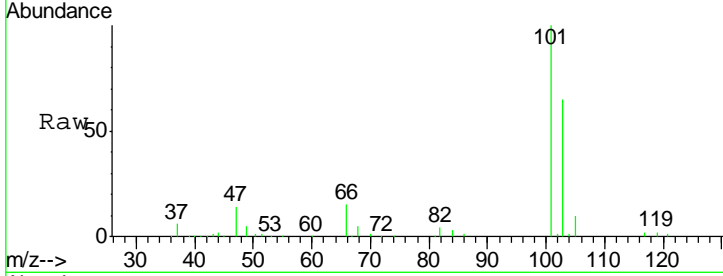


#7
 Trichlorofluoromethane
 Concen: 44.927 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
101	100		
103	64.6	51.0	76.6

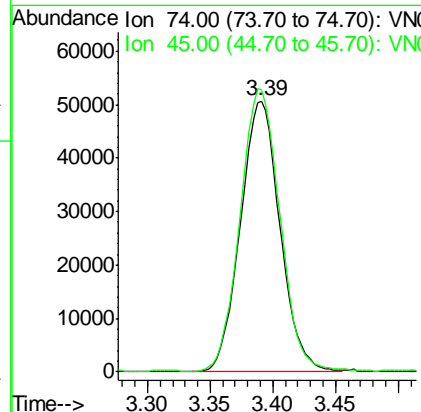
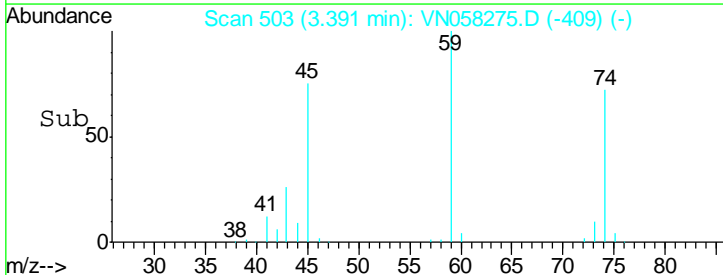
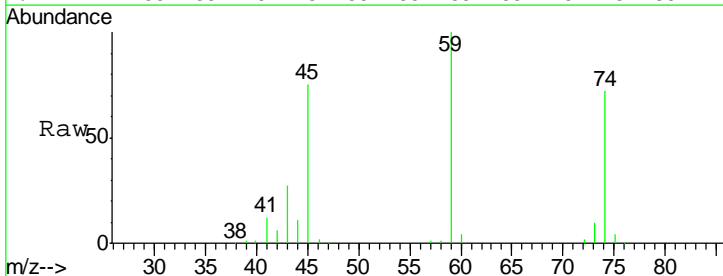
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

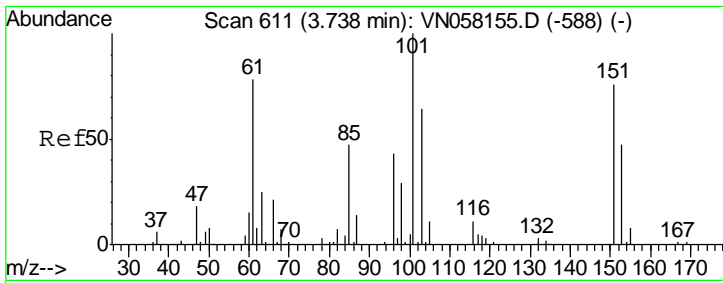
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#8
 Diethyl Ether
 Concen: 46.003 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

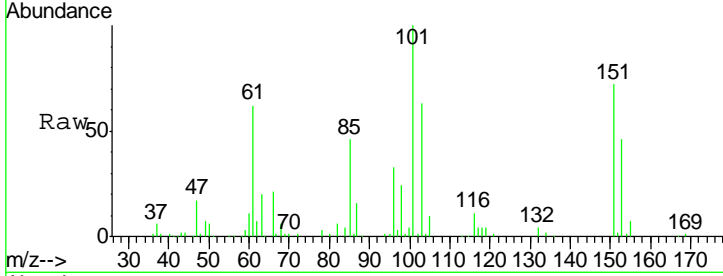
Tgt Ion	Resp	Lower	Upper
74	100		
45	106.1	48.5	145.5





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.506 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

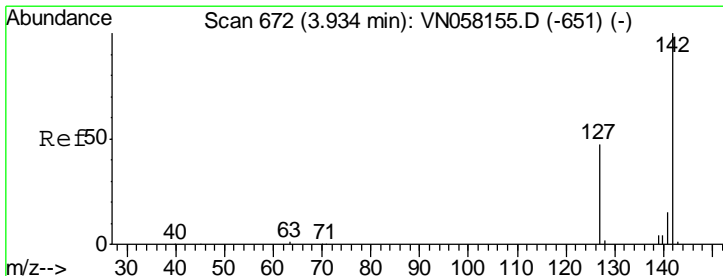
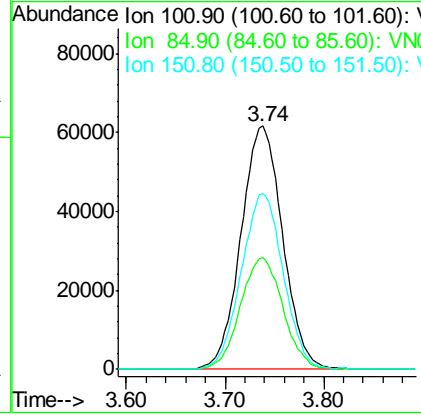
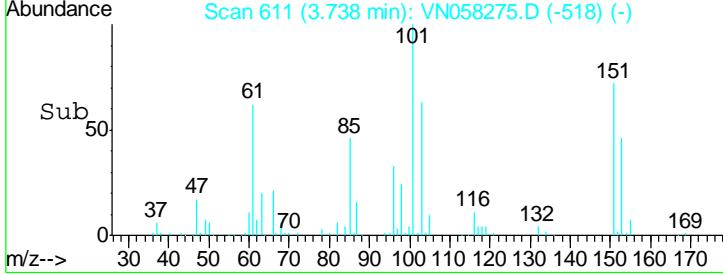
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050



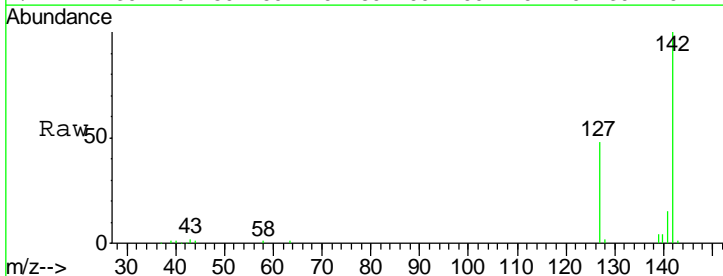
Tgt Ion: 101 Resp: 180583

Ion	Ratio	Lower	Upper
101	100		
85	46.9	37.3	55.9
151	72.7	59.6	89.4

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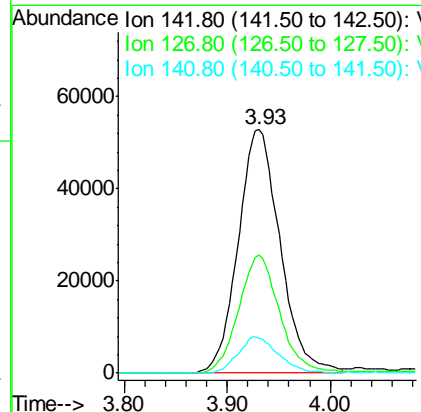
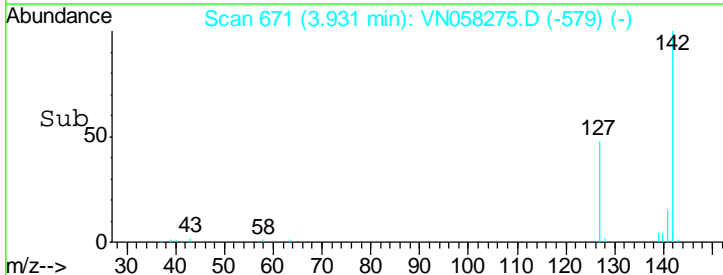


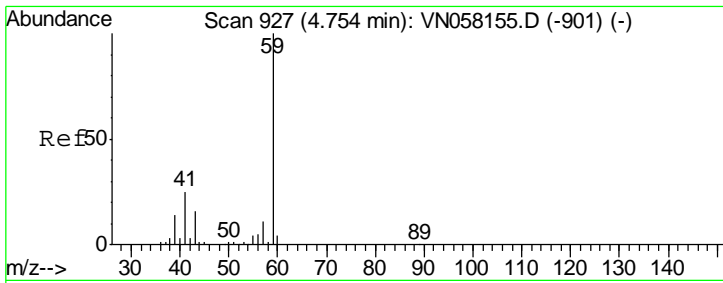
#10
 Methyl Iodide
 Concen: 46.938 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42



Tgt Ion: 142 Resp: 149509

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.5	56.3
141	14.3	11.4	17.2



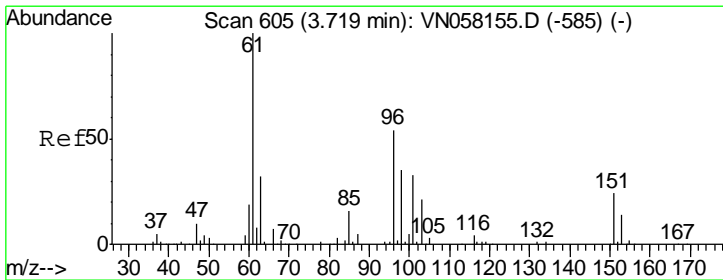
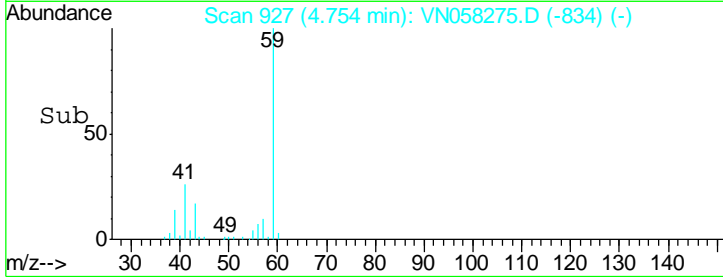
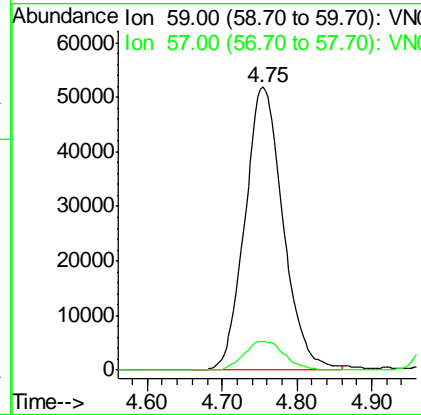
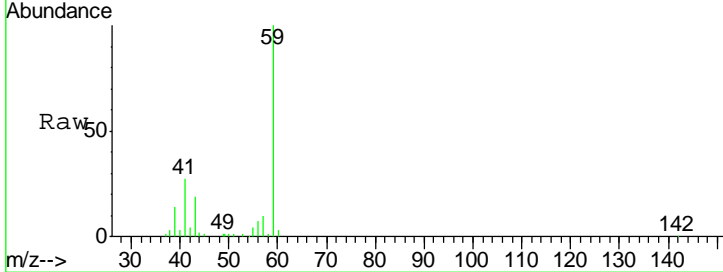


#11
 Tert butyl alcohol
 Concen: 236.546 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
59	184273		
57	10.7	8.6	13.0

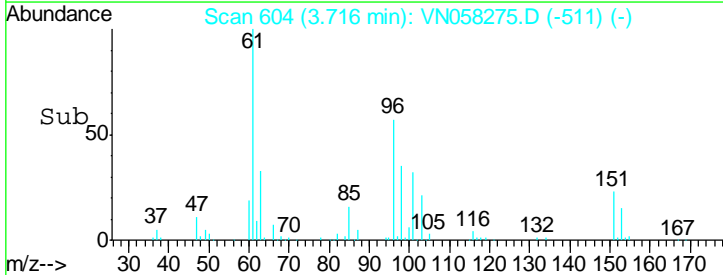
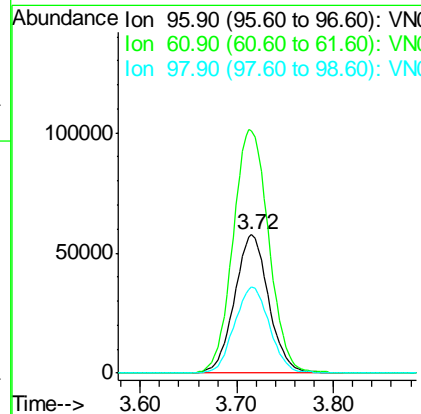
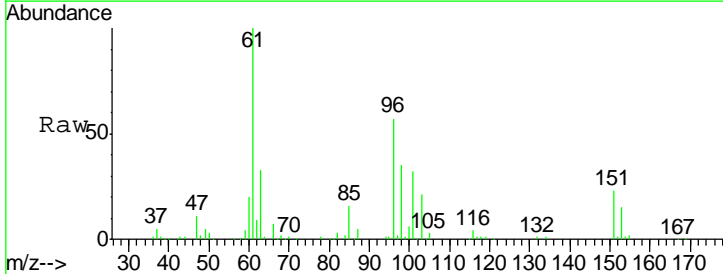
Instrument : MSVOA_N
 Client Sampled : VSTDC050

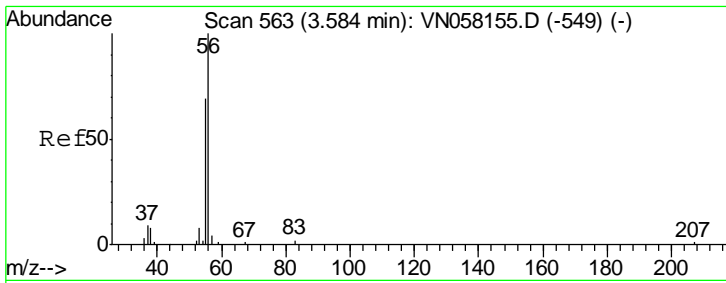
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#12
 1,1-Dichloroethene
 Concen: 49.170 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
96	141859		
61	175.3	149.5	224.3
98	62.0	52.4	78.6



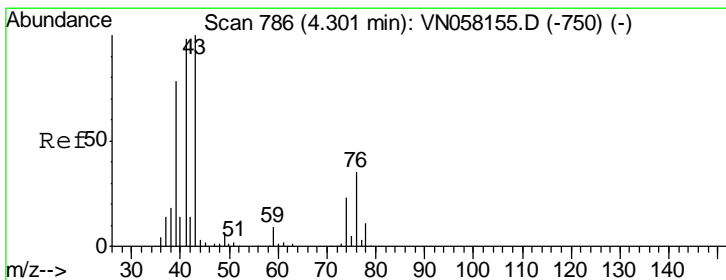
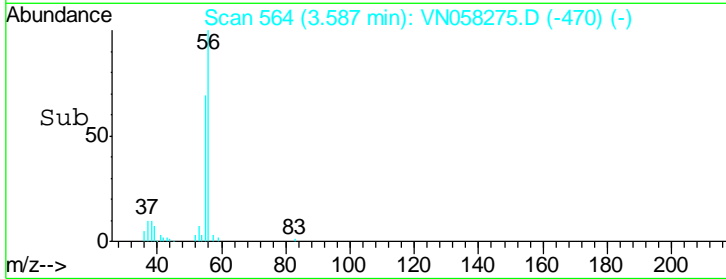
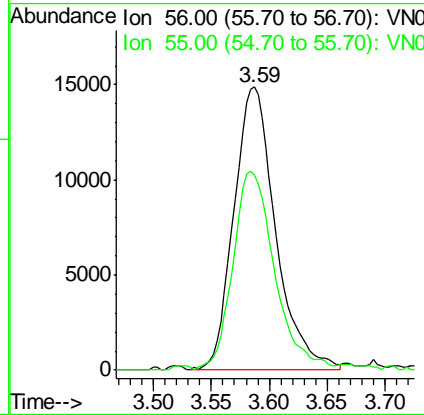
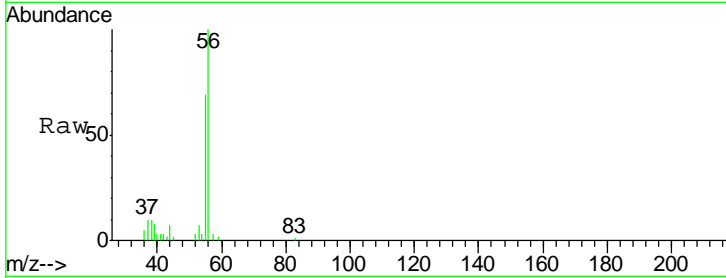


#13
 Acrolein
 Concen: 322.502 ug/l
 RT: 3.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

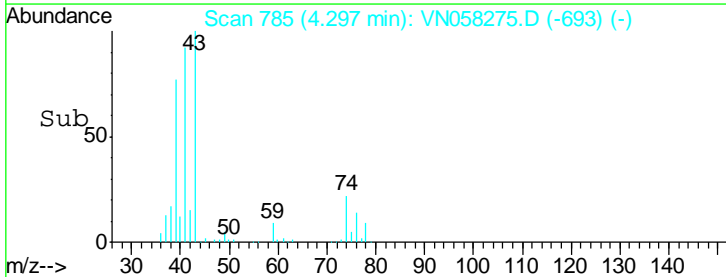
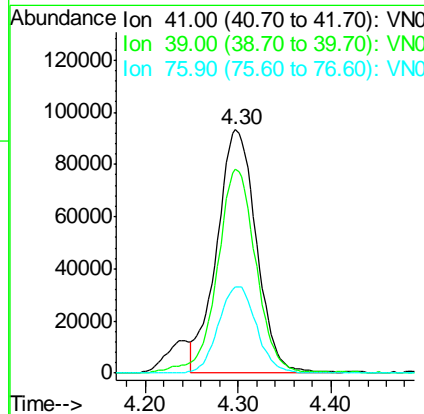
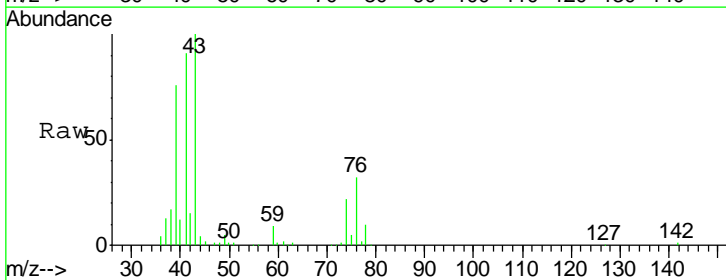
Tgt Ion	Resp	Lower	Upper
56	37232		
56	100		
55	70.1	56.1	84.1

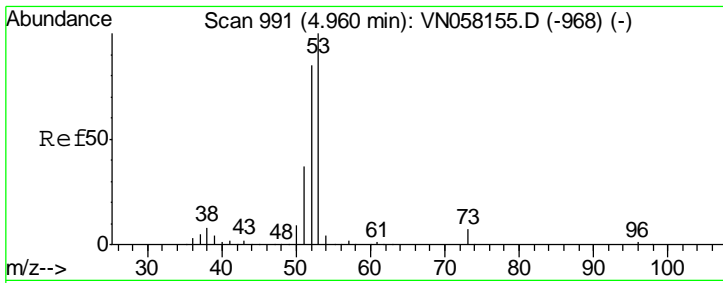
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#14
 Allyl chloride
 Concen: 44.209 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
41	274984		
41	100		
39	82.4	59.1	88.7
76	34.2	25.1	37.7





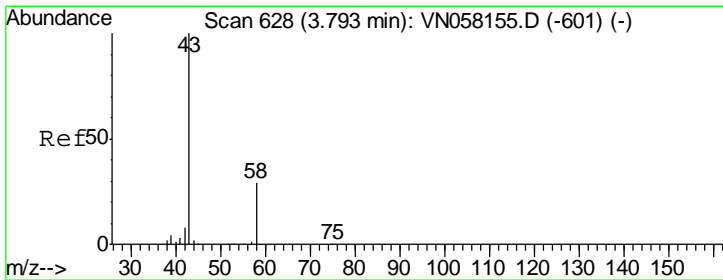
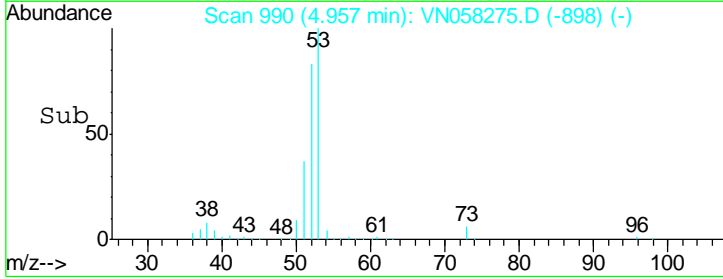
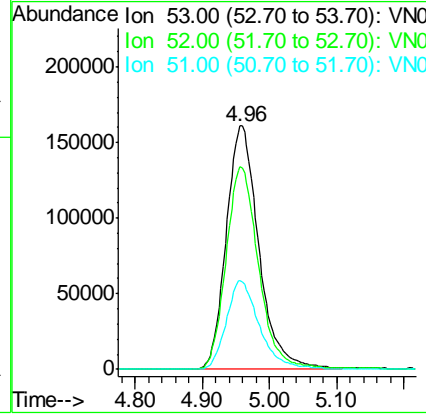
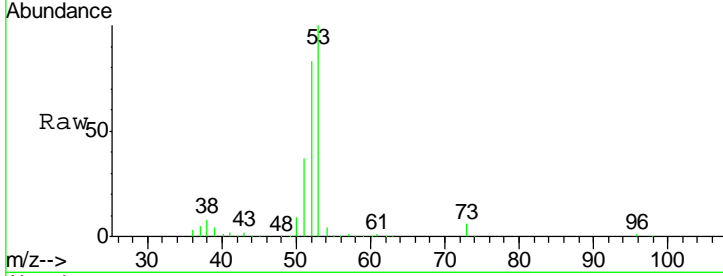
#15
 Acrylonitrile
 Concen: 261.050 ug/l
 RT: 4.96 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	37.2	29.7	44.5

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

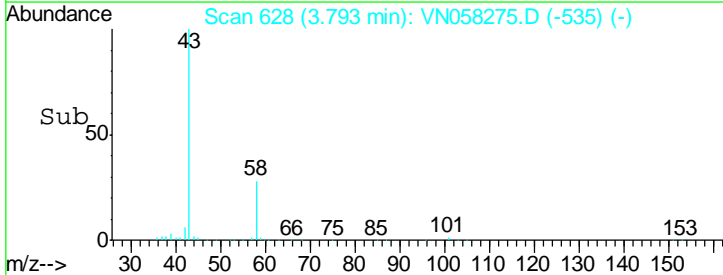
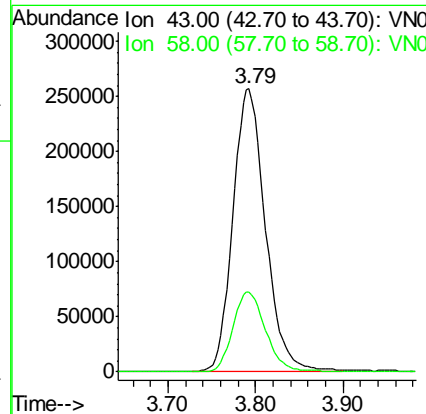
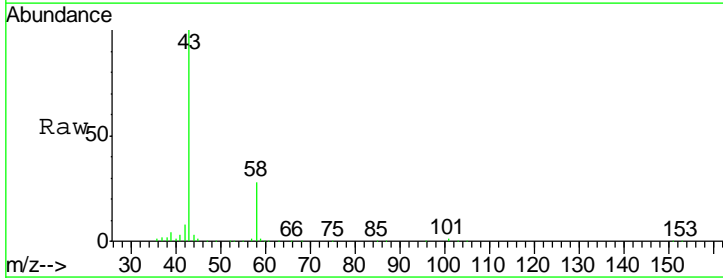
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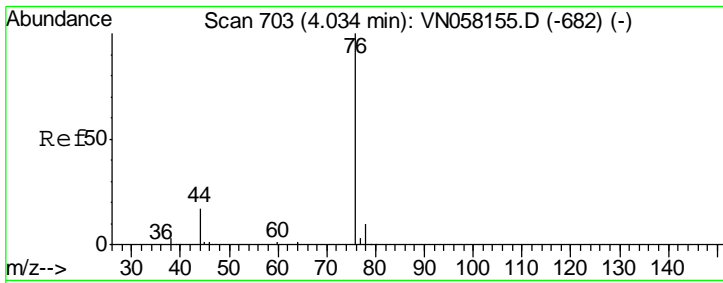
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#16
 Acetone
 Concen: 294.684 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.1	23.4	35.2



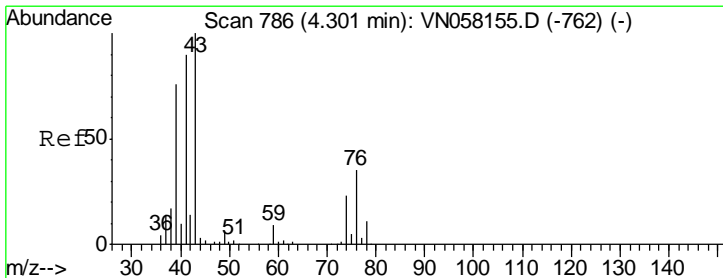
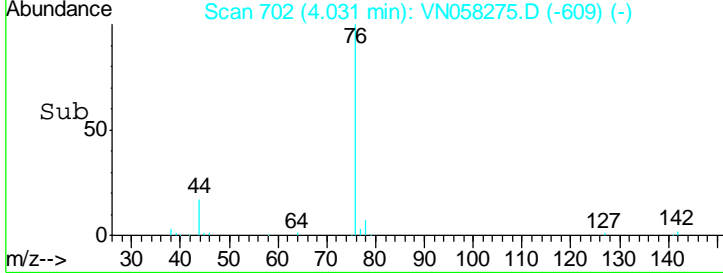
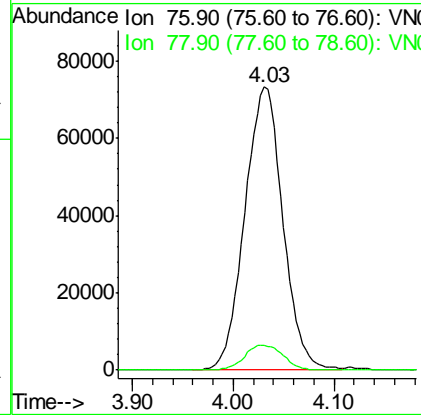
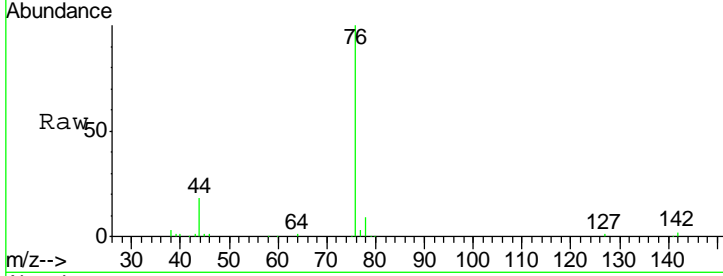


#17
 Carbon Disulfide
 Concen: 47.259 ug/l
 RT: 4.03 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
76	191834		
76	100		
78	8.8	7.7	11.5

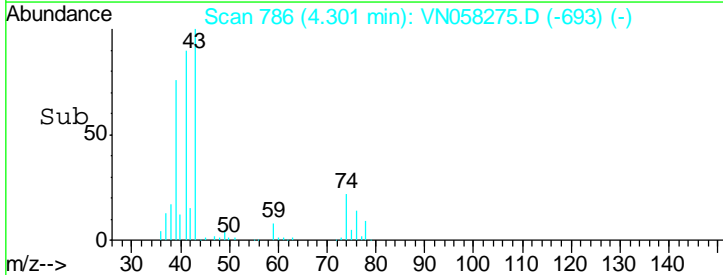
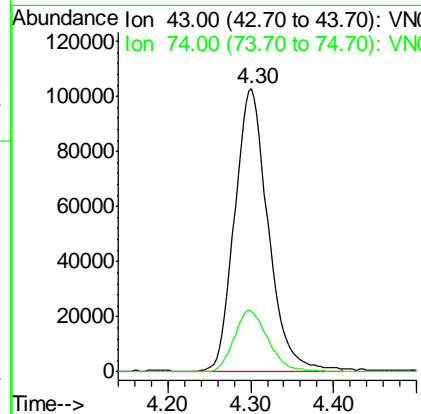
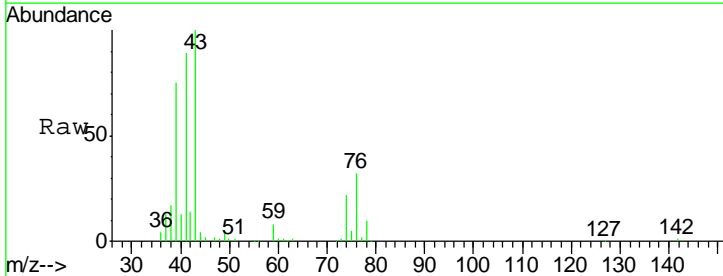
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

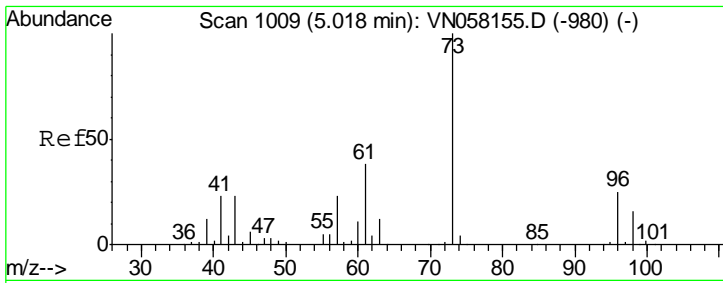
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#18
 Methyl Acetate
 Concen: 49.130 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
43	287383		
43	100		
74	22.2	18.0	27.0



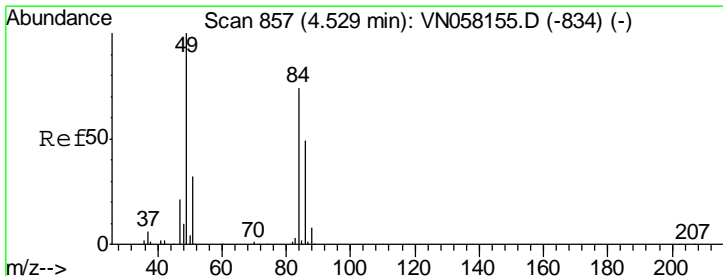
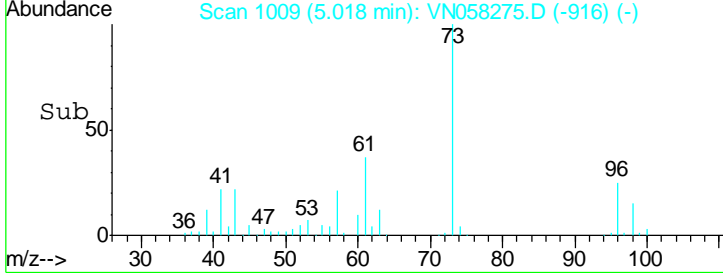
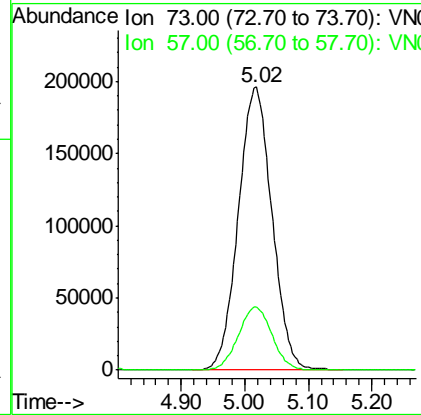
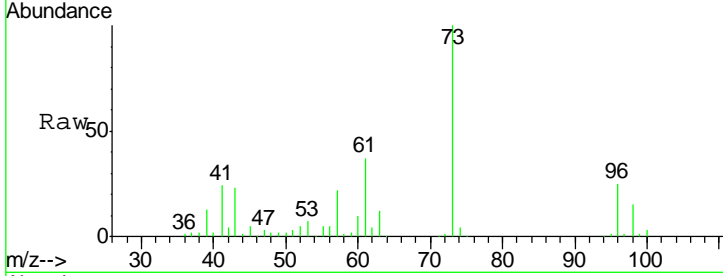


#19
 Methyl tert-butyl Ether
 Concen: 50.269 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

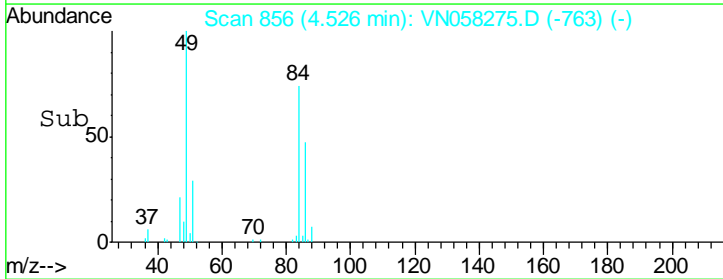
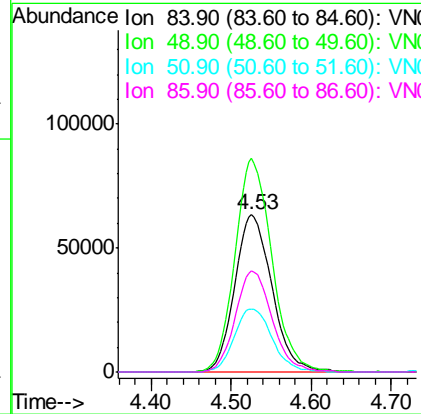
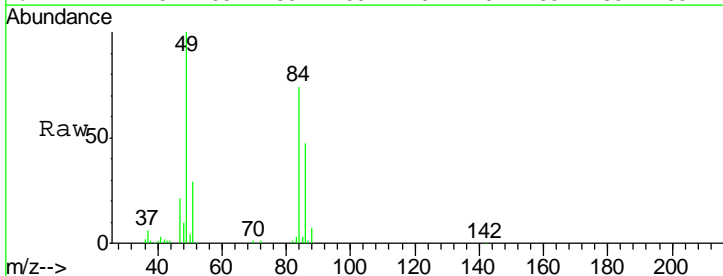
Tgt Ion	Resp	Lower	Upper
73	720711		
73	100		
57	22.2	18.1	27.1

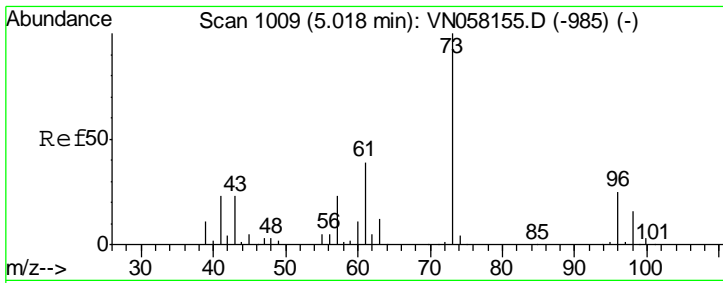
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#20
 Methylene Chloride
 Concen: 51.457 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
84	200247		
84	100		
49	135.9	107.5	161.3
51	40.0	33.9	50.9
86	64.1	52.4	78.6





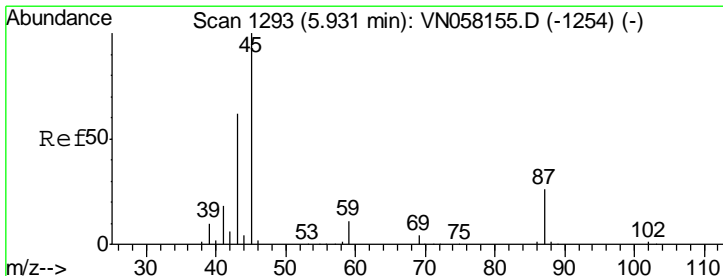
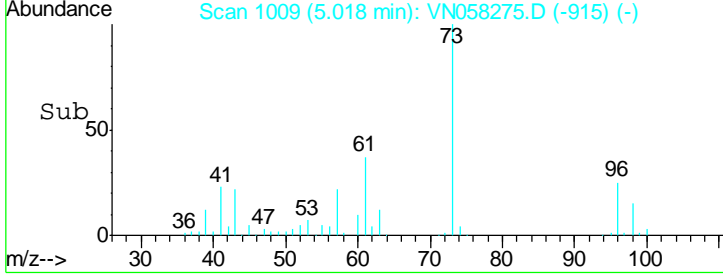
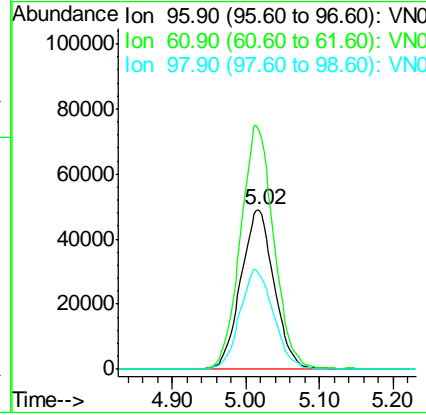
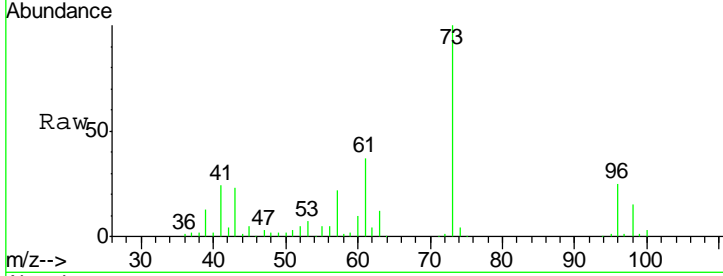
#21
 trans-1,2-Dichloroethene
 Concen: 49.176 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VN058275.D
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
96	154603		
96	100		
61	149.6	122.2	183.4
98	59.9	49.9	74.9

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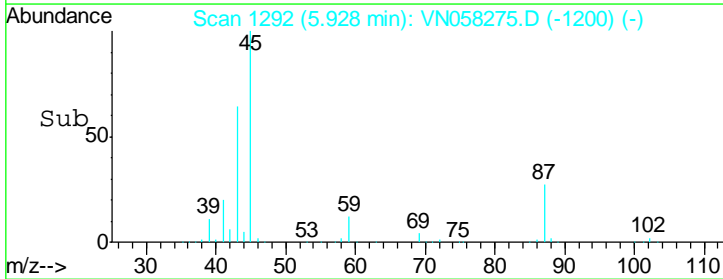
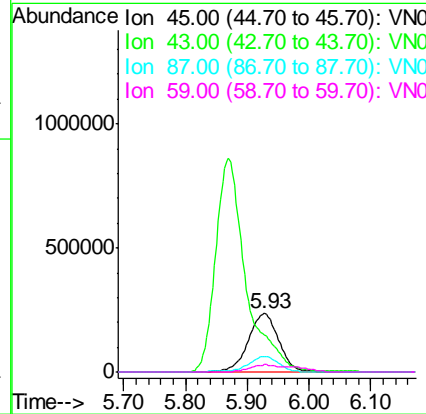
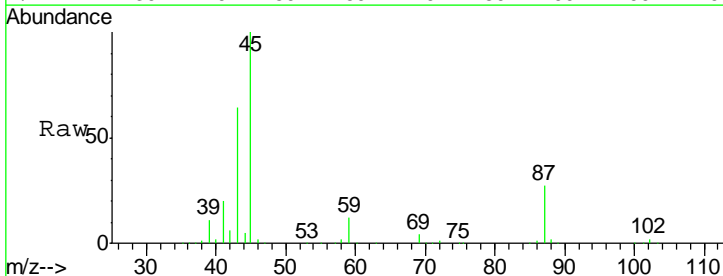
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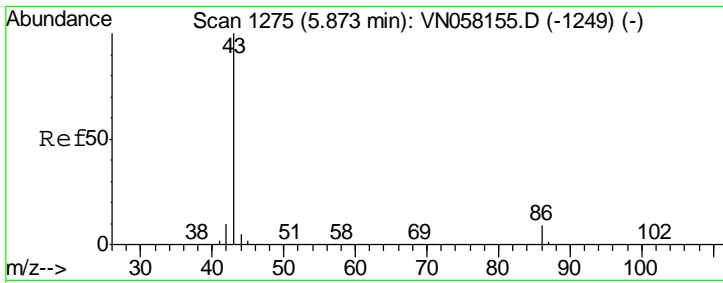


#22
 Diisopropyl ether
 Concen: 51.367 ug/l
 RT: 5.93 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

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Tgt Ion	Resp	Lower	Upper
45	811609		
45	100		
43	62.5	49.7	74.5
87	26.8	20.7	31.1
59	11.9	9.1	13.7





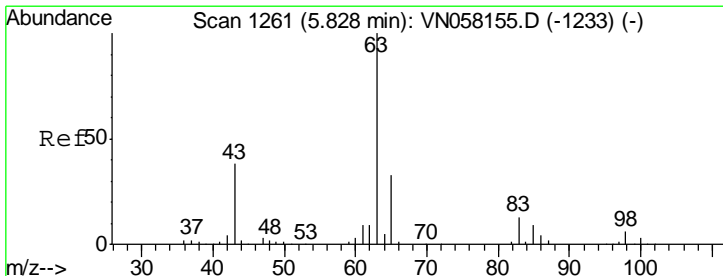
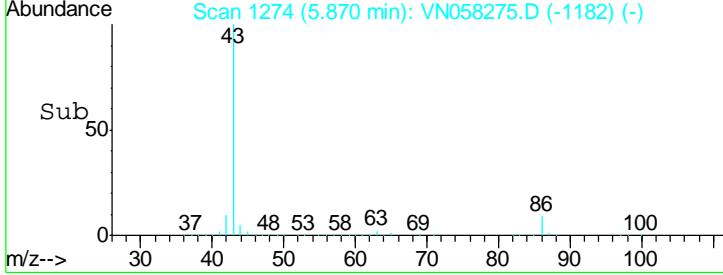
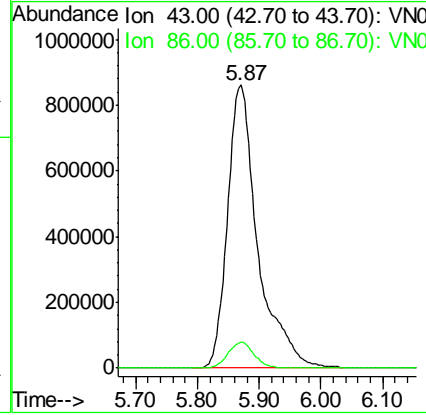
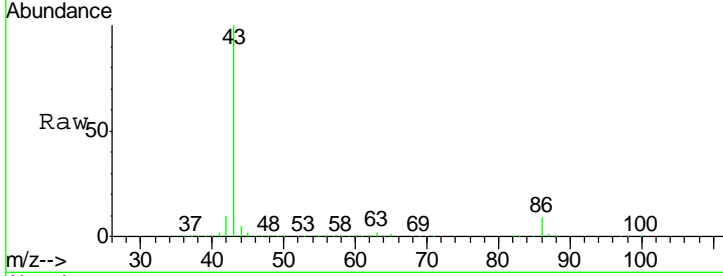
#23
 Vinyl Acetate
 Concen: 271.001 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 2929910

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.4	11.2

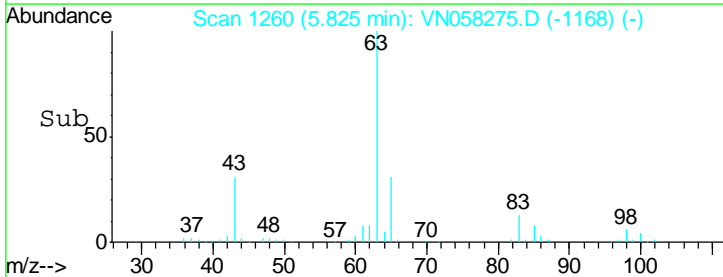
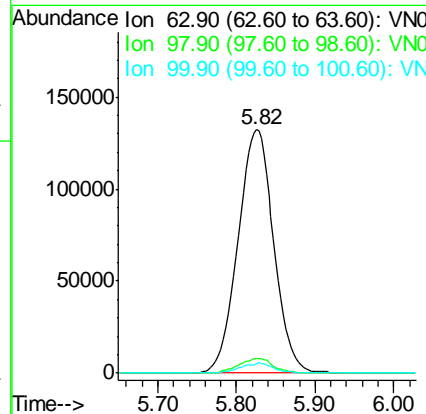
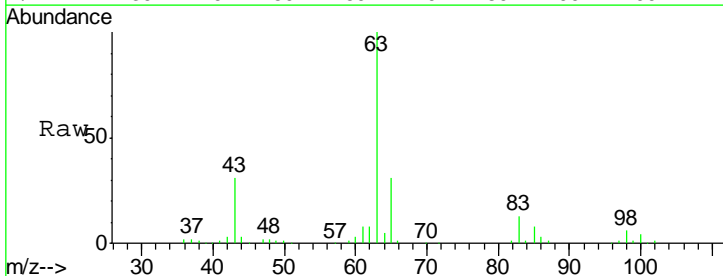
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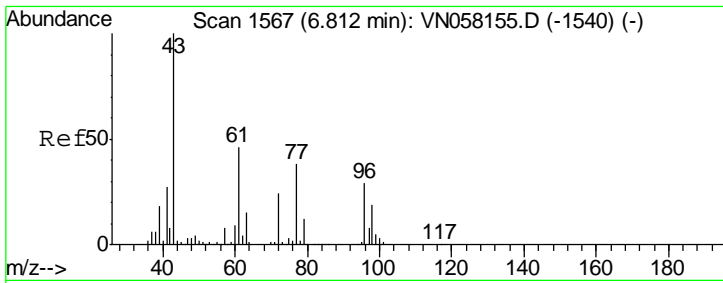


#24
 1,1-Dichloroethane
 Concen: 49.770 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 63 Resp: 419704

Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.6
100	4.0	1.8	5.3



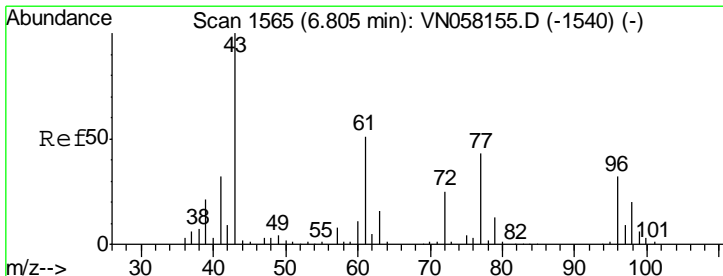
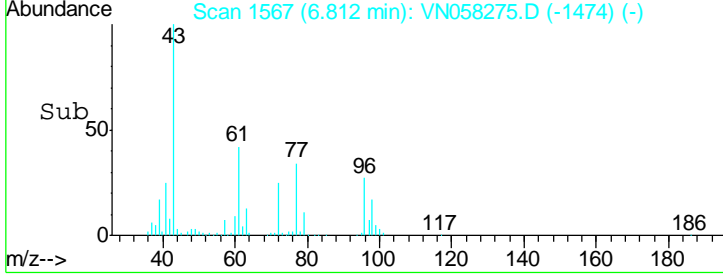
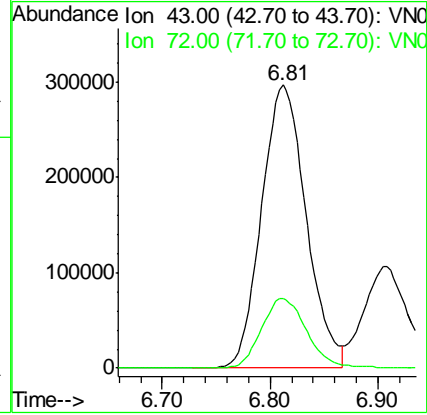
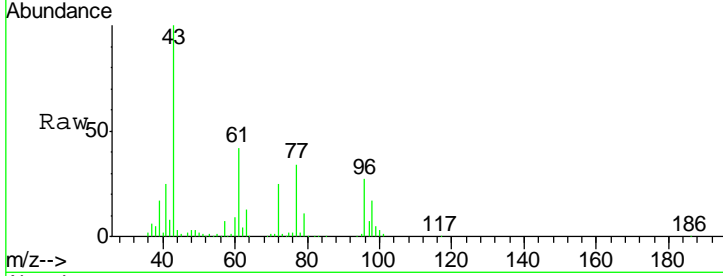


#25
 2-Butanone
 Concen: 279.944 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

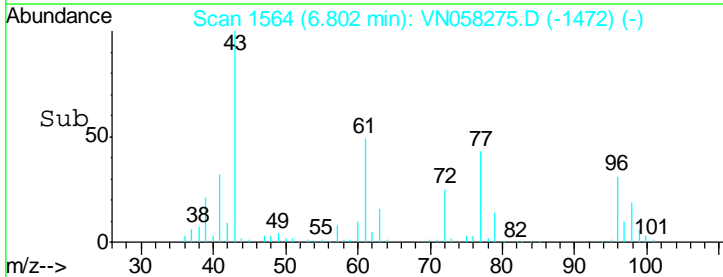
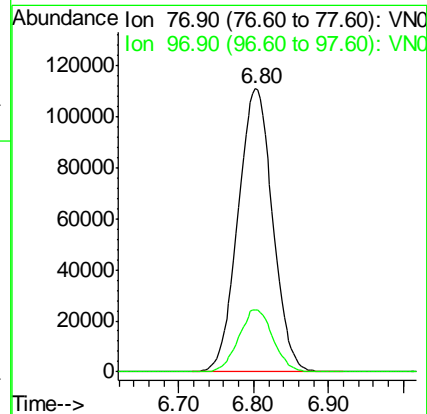
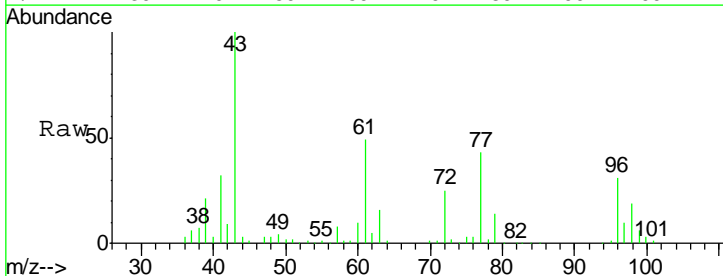
Tgt Ion	Resp	Lower	Upper
43	100		
72	24.8	19.5	29.3

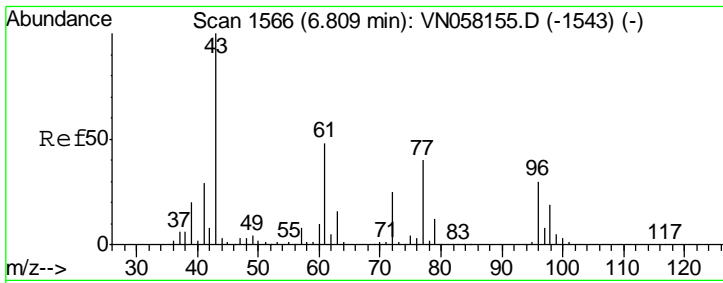
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#26
 2,2-Dichloropropane
 Concen: 49.821 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
77	100		
97	21.8	10.5	31.6



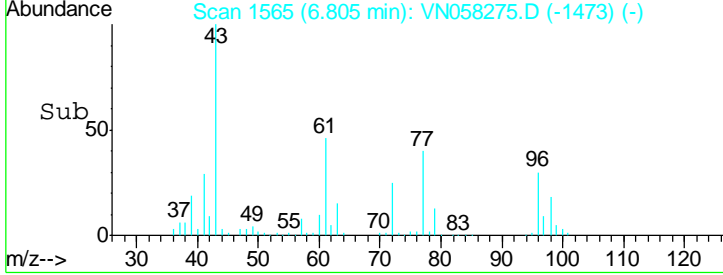
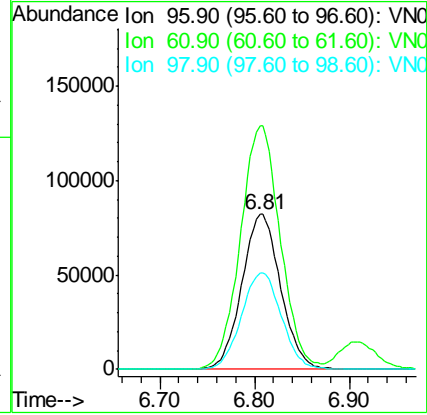
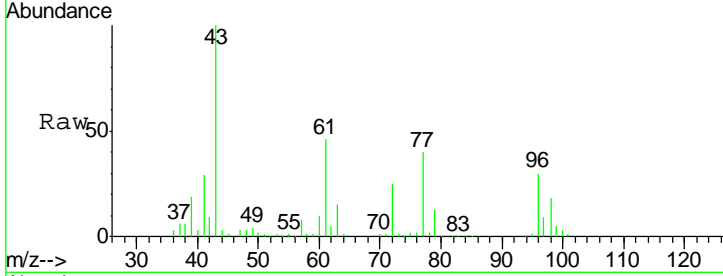


#27
 cis-1,2-Dichloroethene
 Concen: 48.962 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

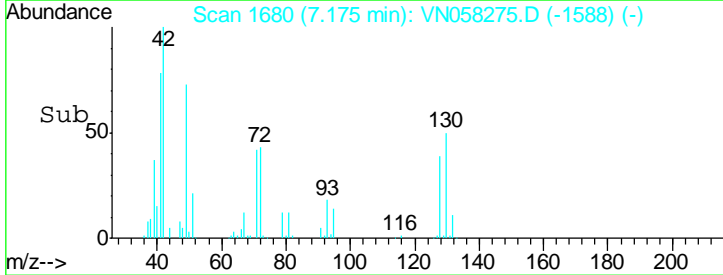
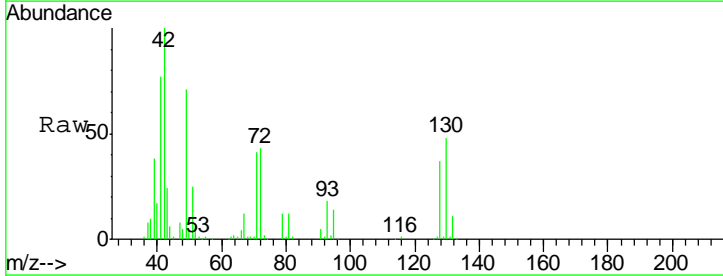
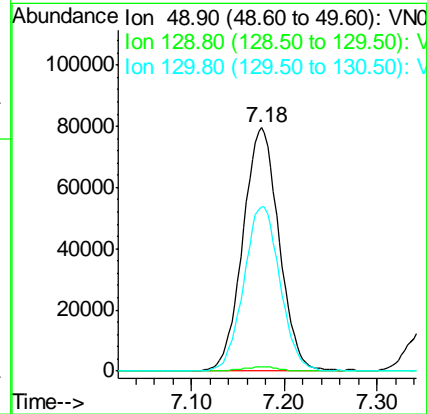
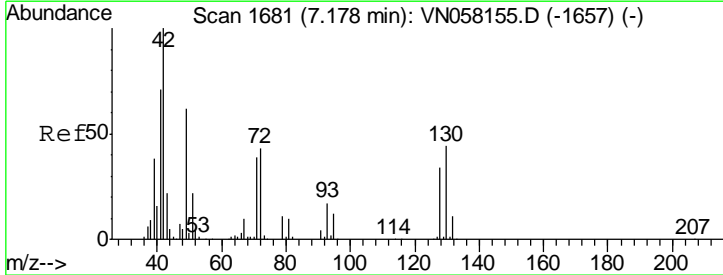
Tgt Ion	Resp	Lower	Upper
96	233464		
96	100		
61	161.5	0.0	319.0
98	64.3	0.0	126.6

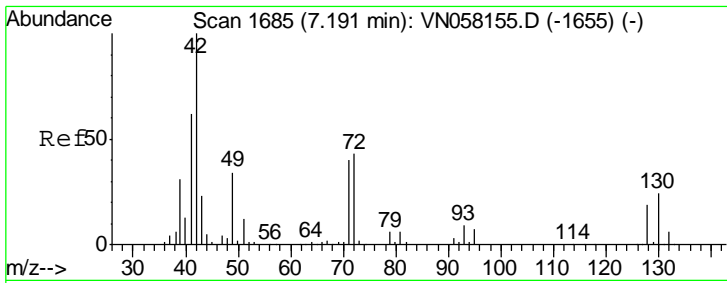
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#28
 Bromochloromethane
 Concen: 53.873 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
49	214916		
49	100		
129	1.7	0.0	1.8
130	67.7	55.4	83.2





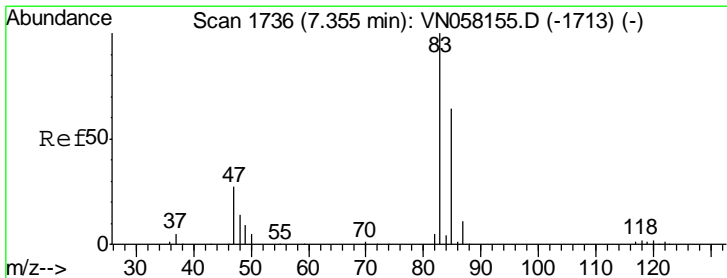
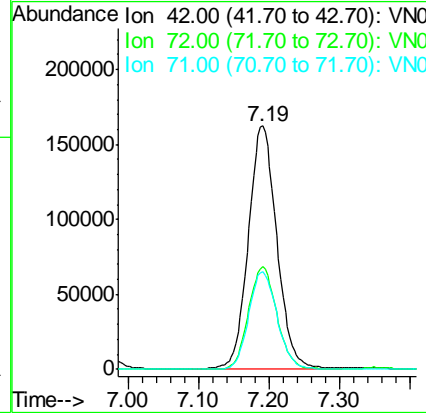
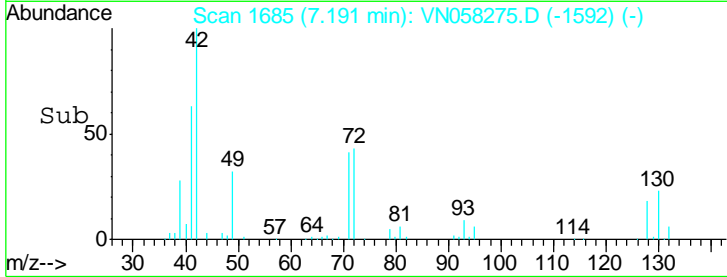
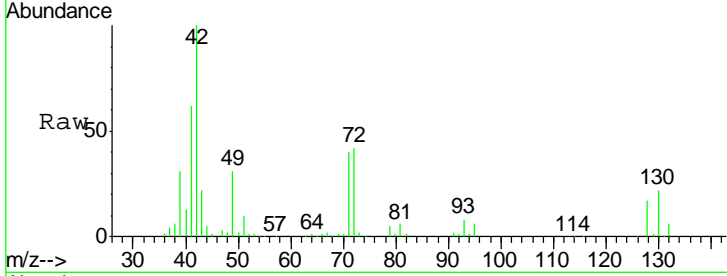
#29
 Tetrahydrofuran
 Concen: 245.919 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
42	100		
72	41.8	33.8	50.6
71	39.8	31.4	47.0

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

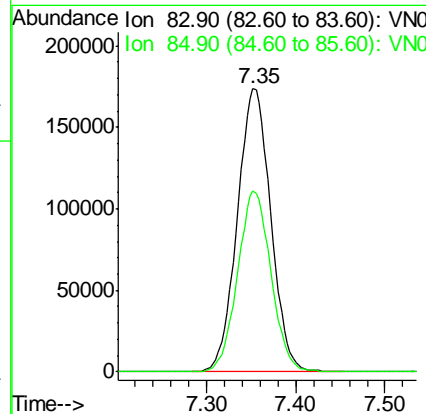
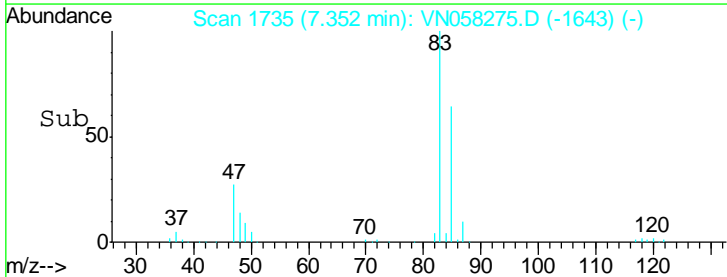
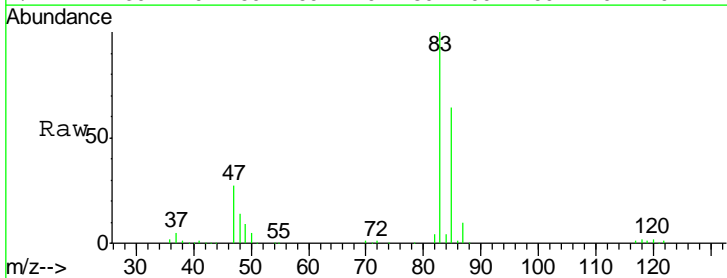
Manual Integrations
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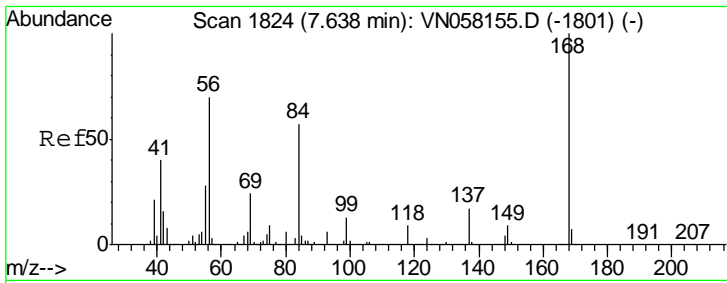
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#30
 Chloroform
 Concen: 49.862 ug/l
 RT: 7.35 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.8	51.4	77.2





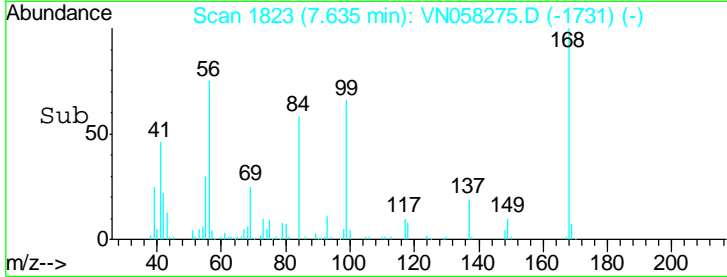
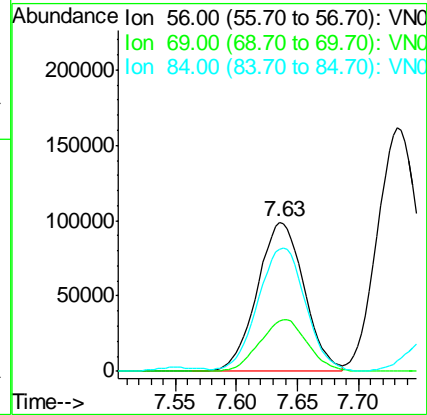
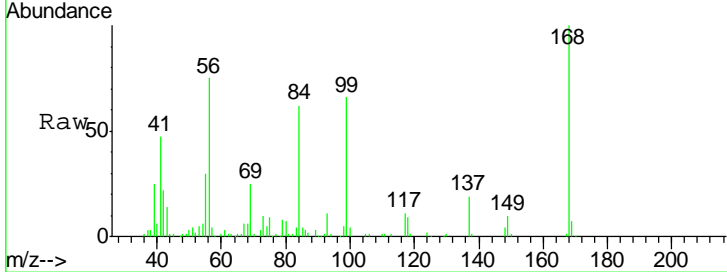
#31
 Cyclohexane
 Concen: 48.475 ug/l
 RT: 7.63 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	33.3	27.3	40.9
84	80.0	65.0	97.4

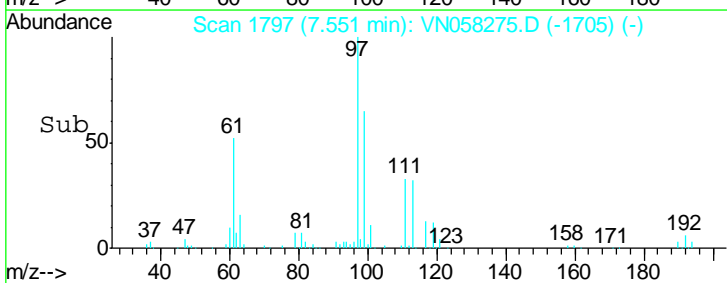
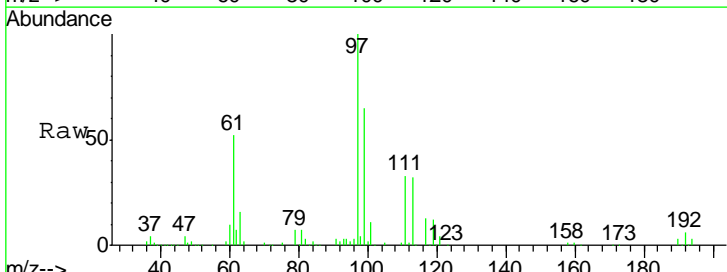
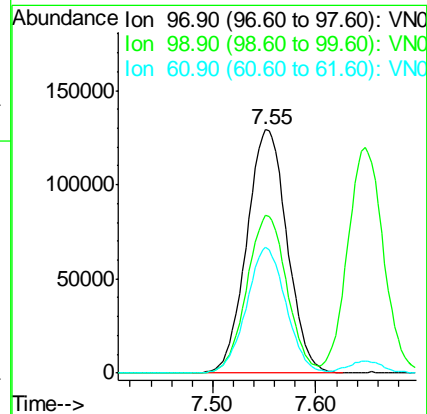
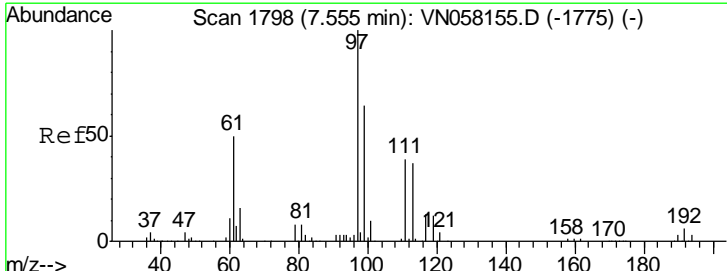
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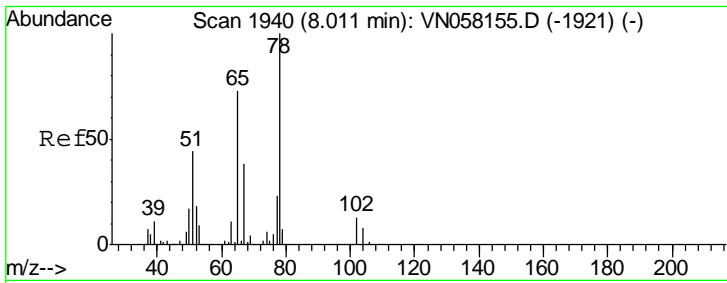
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#32
 1,1,1-Trichloroethane
 Concen: 50.831 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	50.4	39.2	58.8



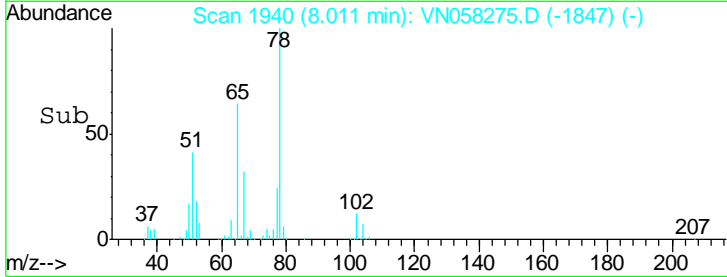
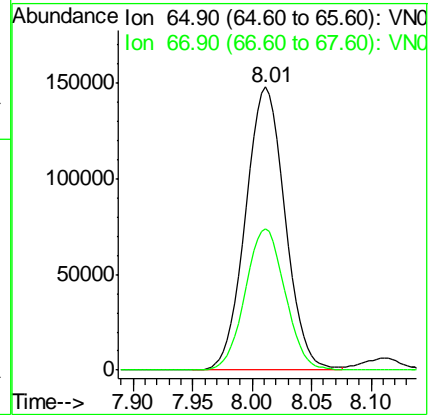
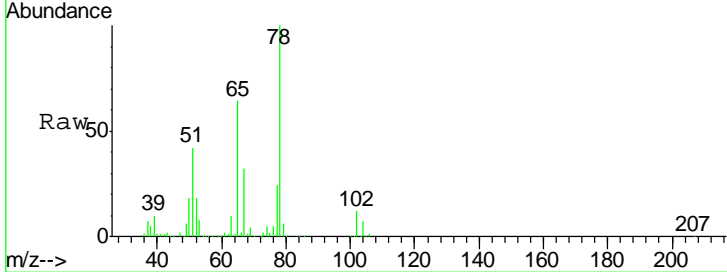


#33
 1,2-Dichloroethane-d4
 Concen: 52.094 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

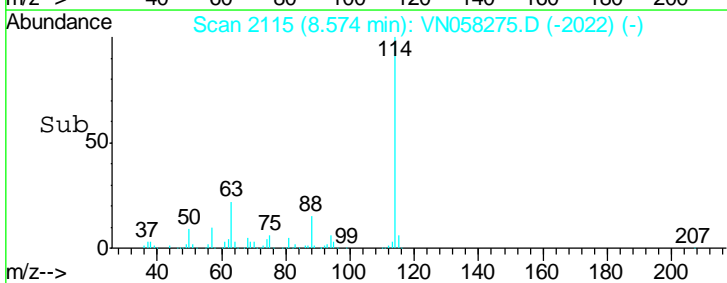
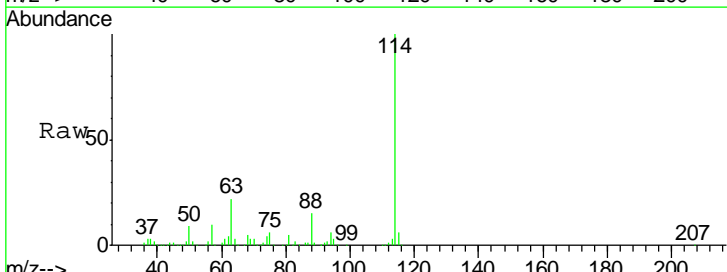
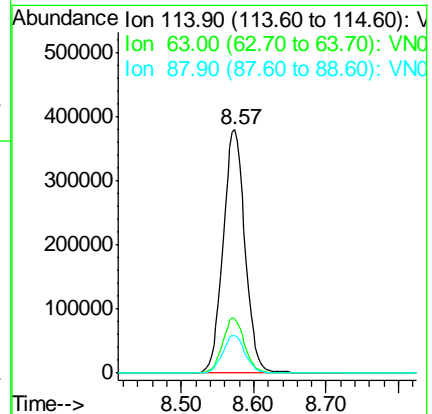
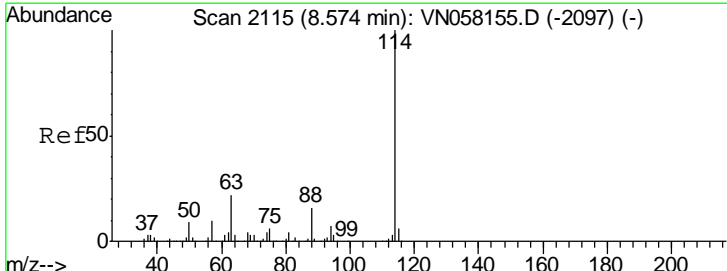
Tgt Ion	Resp	Lower	Upper
65	341162		
65	100		
67	50.4	0.0	103.4

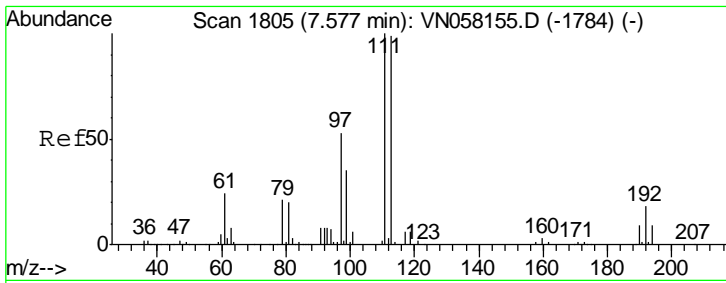
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

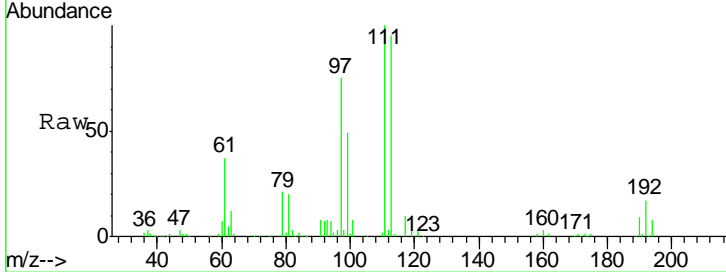
Tgt Ion	Resp	Lower	Upper
114	793108		
114	100		
63	22.4	0.0	44.2
88	15.4	0.0	31.6





#35
 Dibromofluoromethane
 Concen: 50.327 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

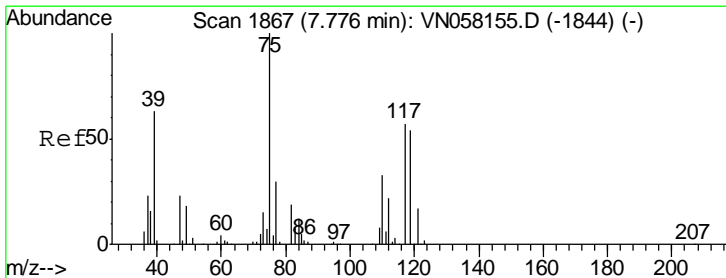
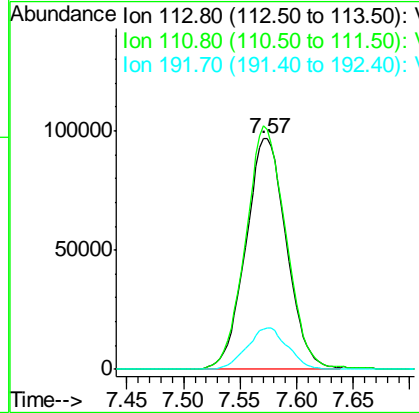
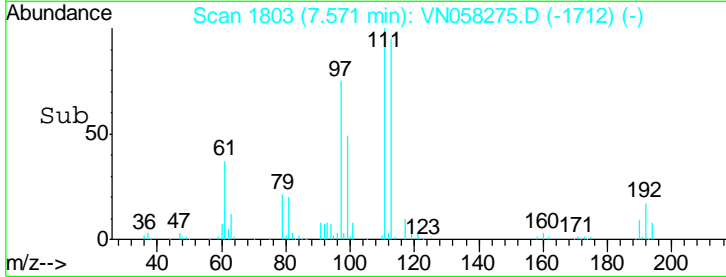
Instrument : MSVOA_N
 Client Sampled : VSTDC050



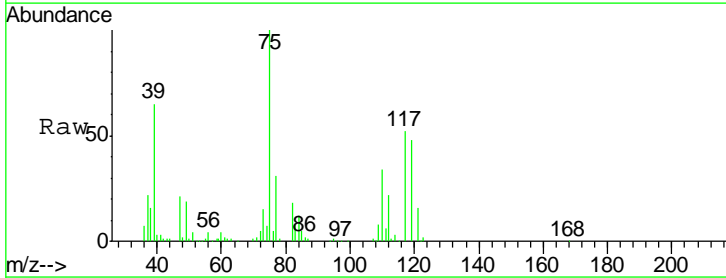
Tgt Ion: 113 Resp: 242651

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.8	122.6
192	17.9	14.5	21.7

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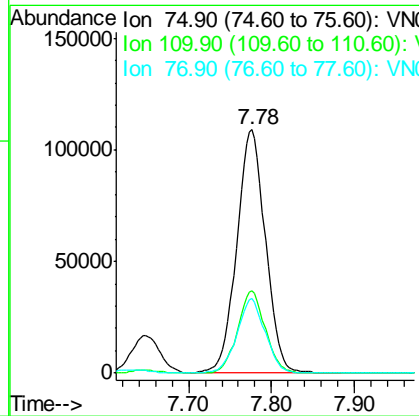
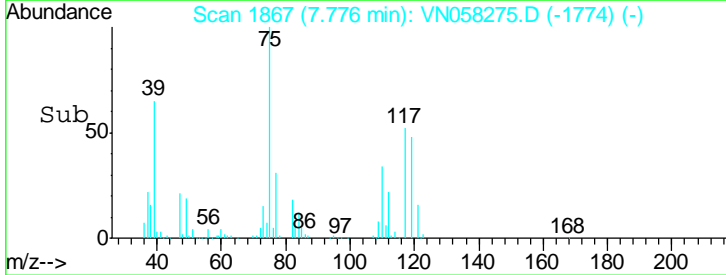


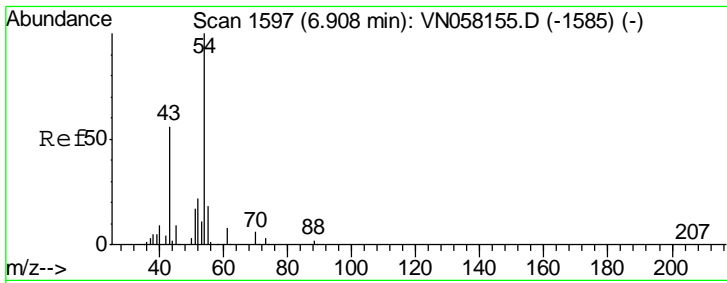
#36
 1,1-Dichloropropene
 Concen: 45.554 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42



Tgt Ion: 75 Resp: 260545

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.6	49.7
77	30.4	24.3	36.5



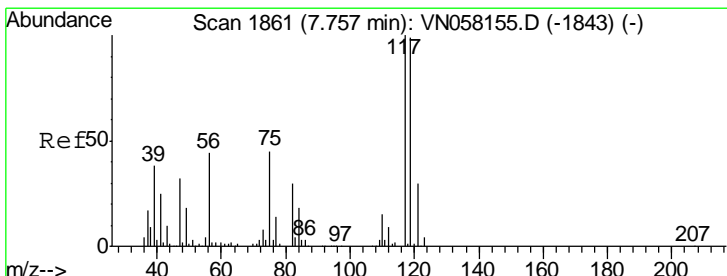
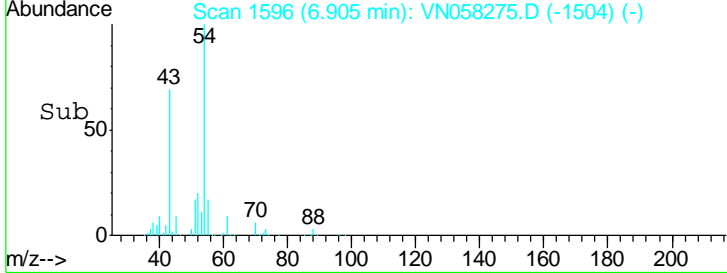
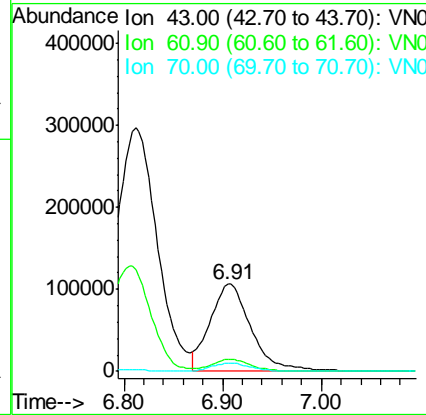
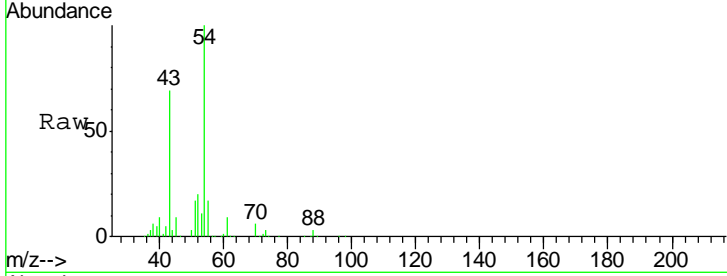


#37
 Ethyl Acetate
 Concen: 50.707 ug/l
 RT: 6.91 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

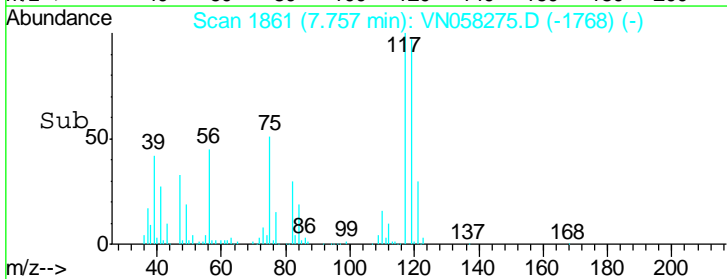
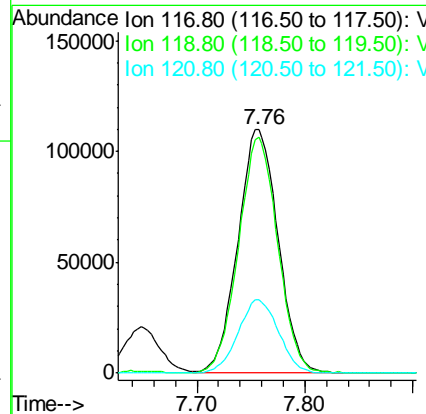
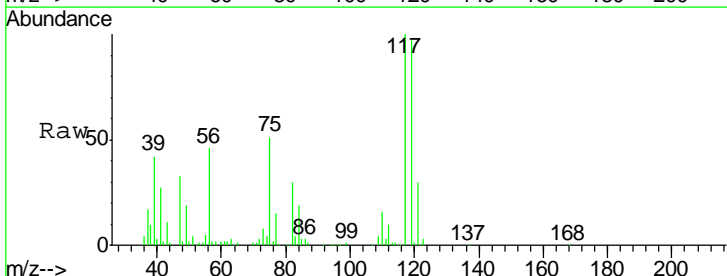
Tgt Ion	Resp	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	9.4	7.6	11.4

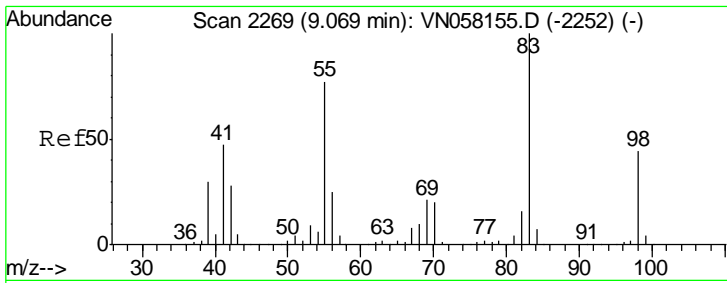
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#38
 Carbon Tetrachloride
 Concen: 49.185 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.0	78.6	117.8
121	30.3	24.1	36.1



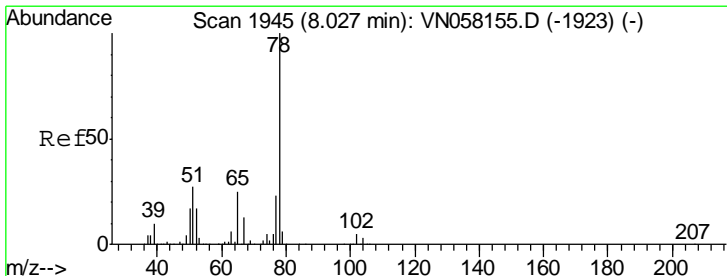
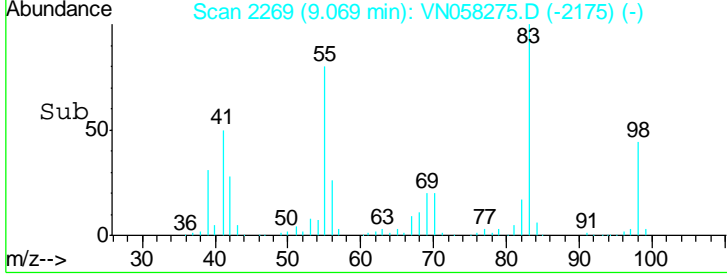
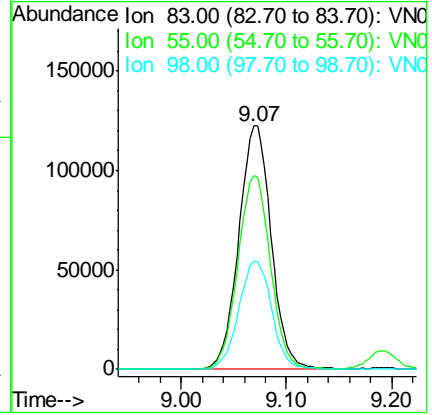
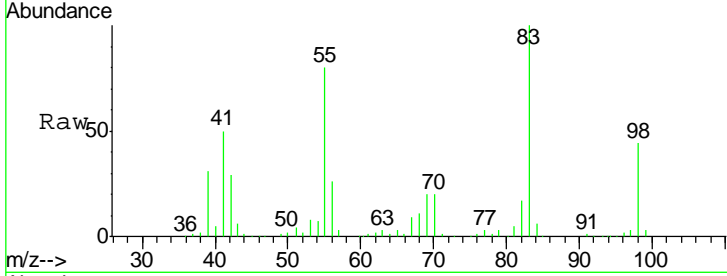


#39
 Methylcyclohexane
 Concen: 47.329 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
83	100		
55	79.6	61.9	92.9
98	44.5	35.4	53.2

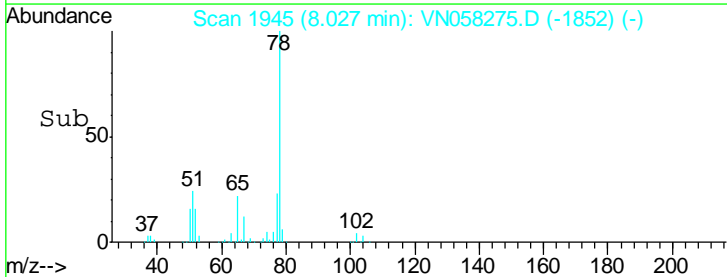
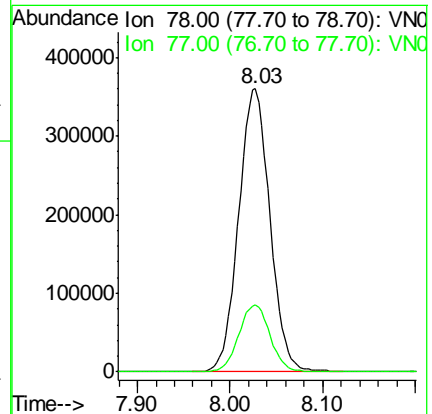
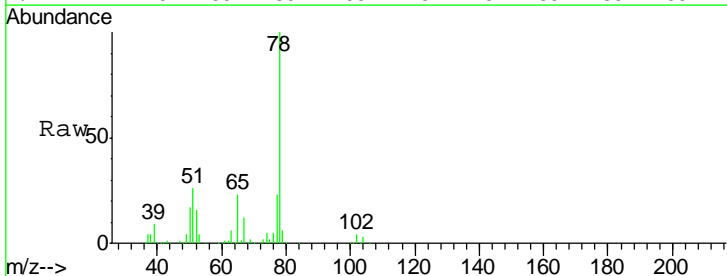
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

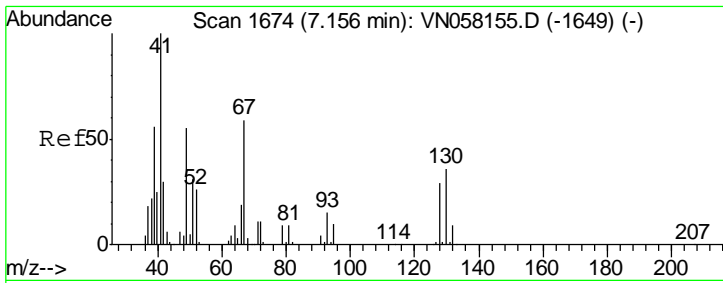
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#40
 Benzene
 Concen: 48.207 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.5	18.8	28.2





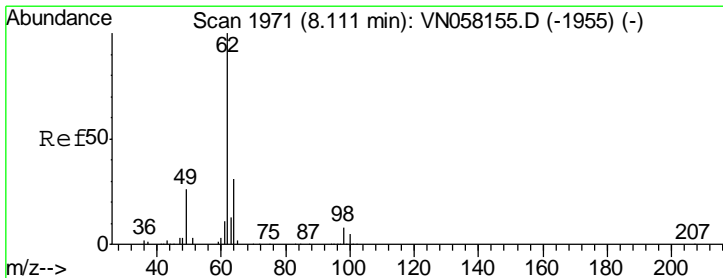
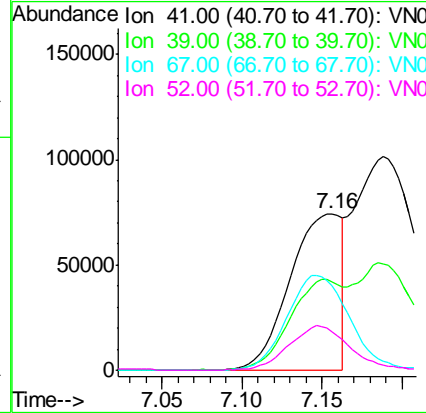
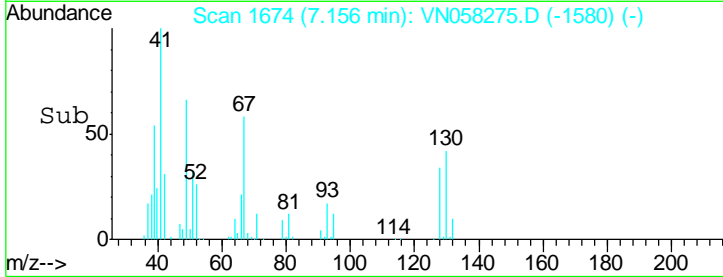
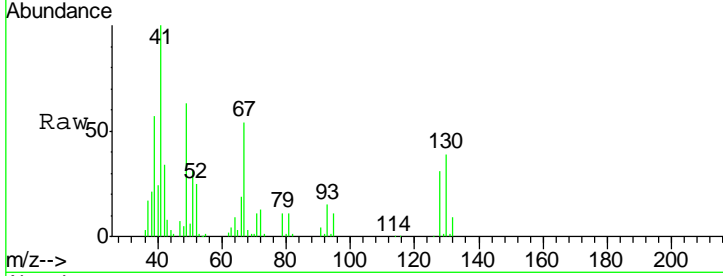
#41
 Methacrylonitrile
 Concen: 55.980 ug/l
 RT: 7.16 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
41	100		
39	60.5	0.0	0.0#
67	74.0	0.0	0.0#
52	33.1	0.0	0.0#

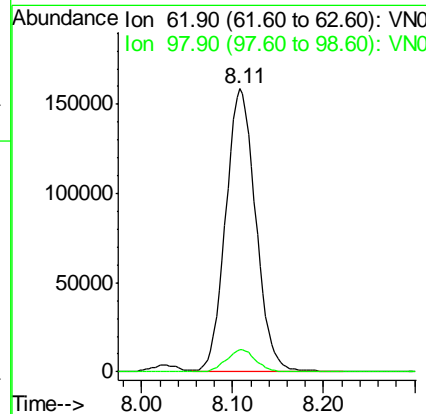
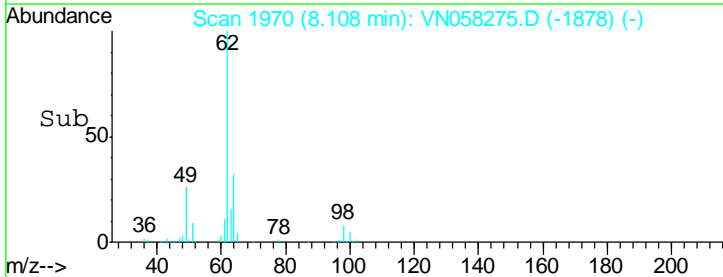
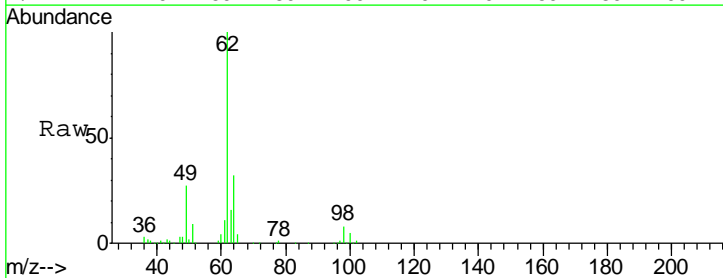
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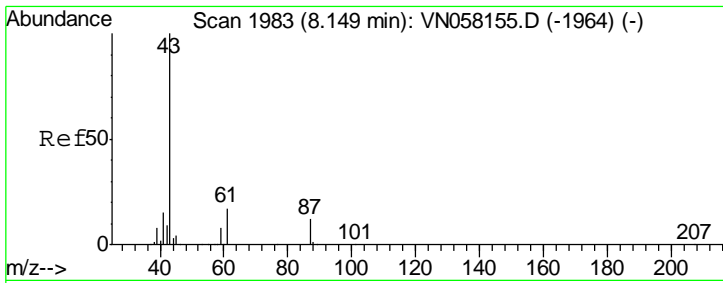
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#42
 1,2-Dichloroethane
 Concen: 49.452 ug/l
 RT: 8.11 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
62	100		
98	7.7	0.0	15.6



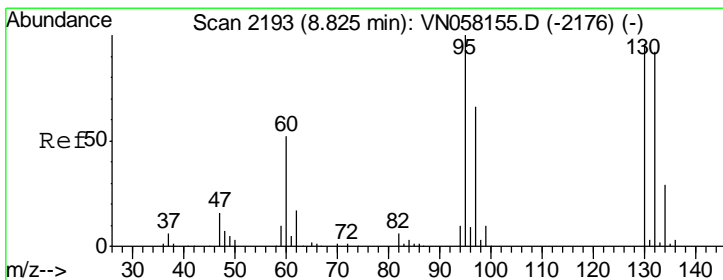
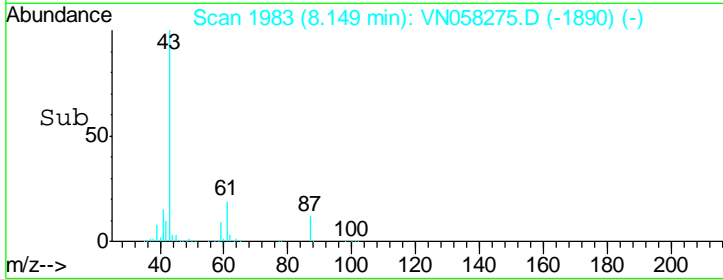
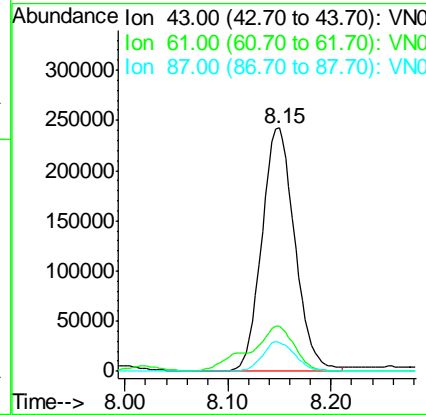
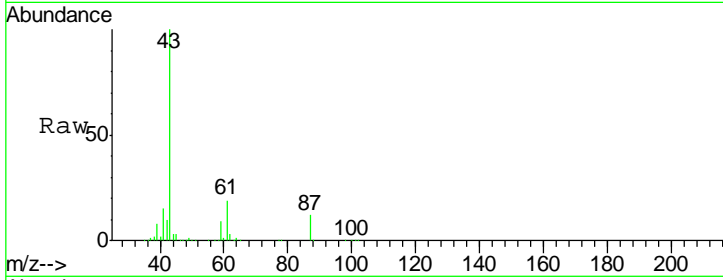


#43
 Isopropyl Acetate
 Concen: 48.329 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
43	100		
61	18.9	19.7	29.5#
87	12.1	9.4	14.2

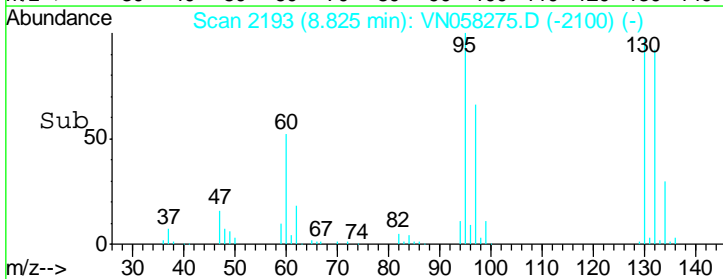
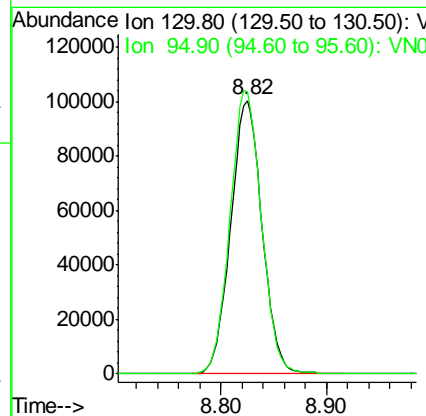
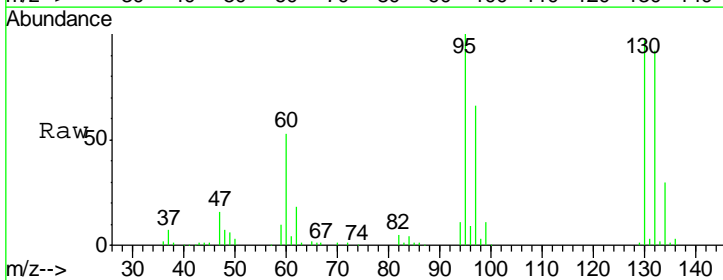
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

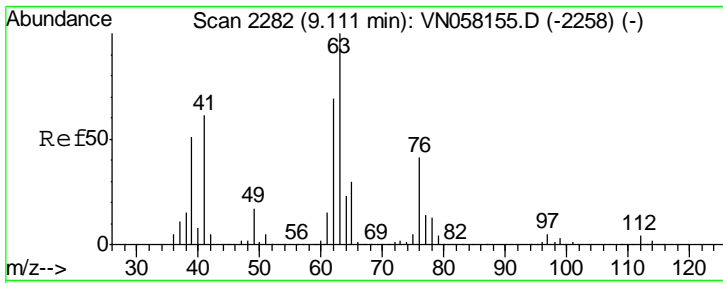
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#44
 Trichloroethene
 Concen: 48.365 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
130	100		
95	103.1	0.0	207.8





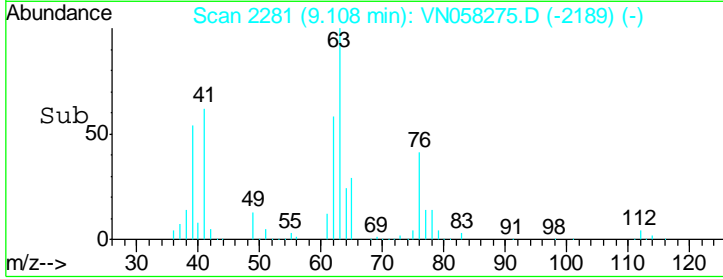
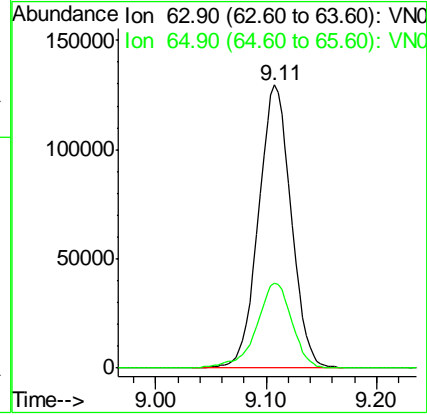
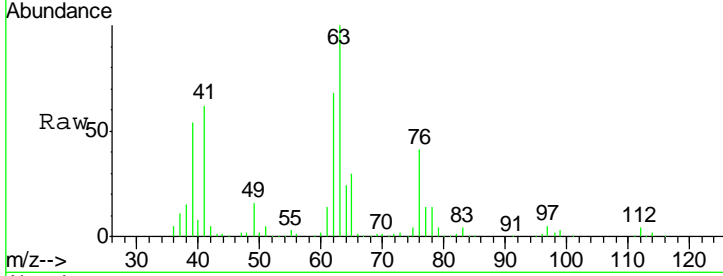
#45
 1,2-Dichloropropane
 Concen: 50.903 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.0	23.8	35.6

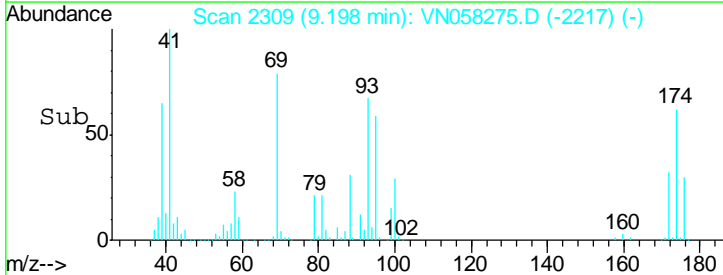
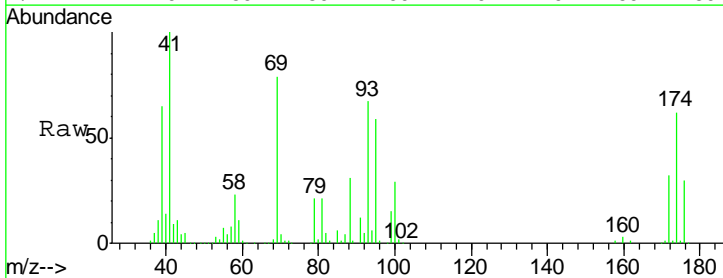
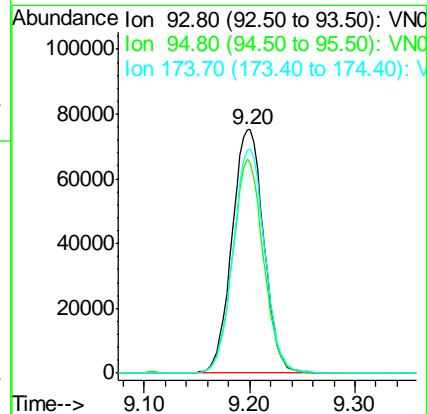
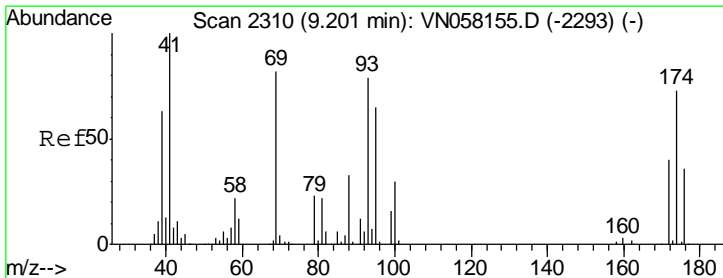
Manual Integrations
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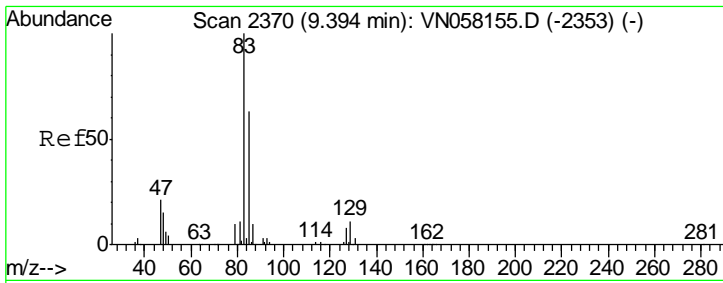
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#46
 Dibromomethane
 Concen: 49.451 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.9	66.8	100.2
174	91.5	73.8	110.8





#47

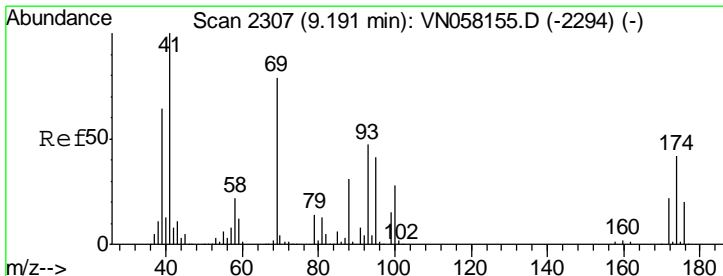
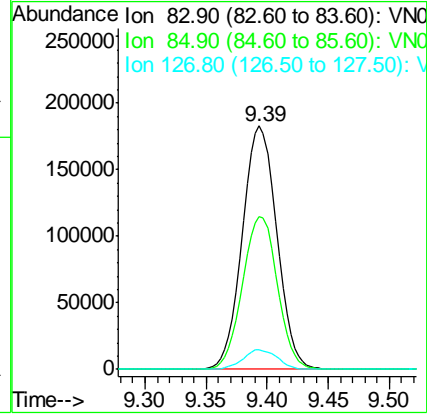
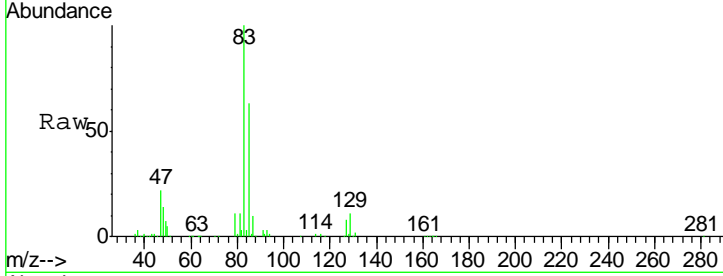
Bromodichloromethane
 Concen: 53.721 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	62.8	50.1	75.1
127	8.1	6.4	9.6

Manual Integrations
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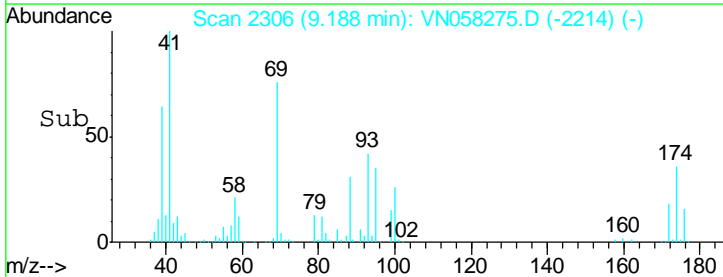
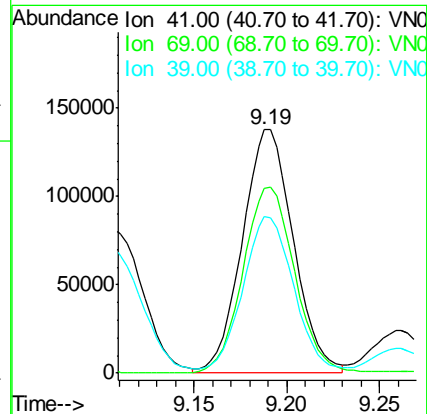
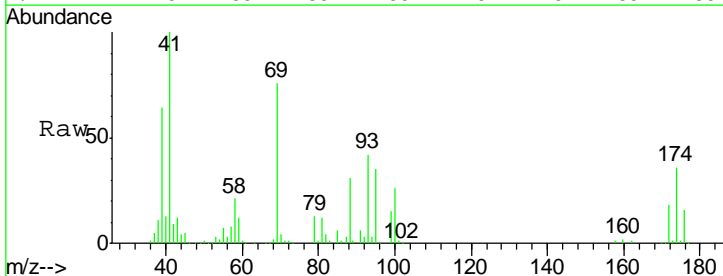
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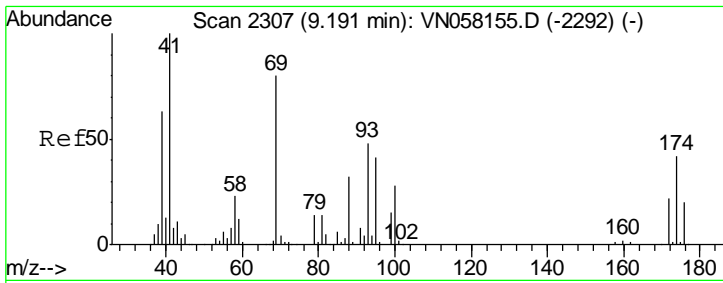


#48

Methyl methacrylate
 Concen: 52.039 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
41	100		
69	78.1	62.5	93.7
39	64.4	52.3	78.5



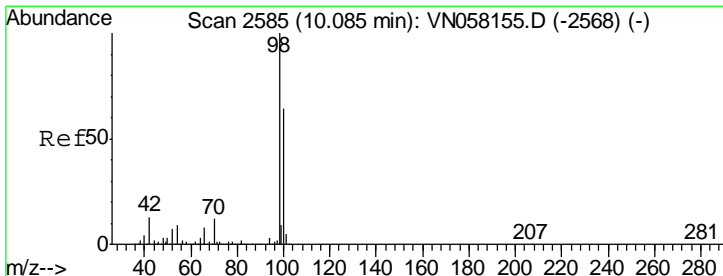
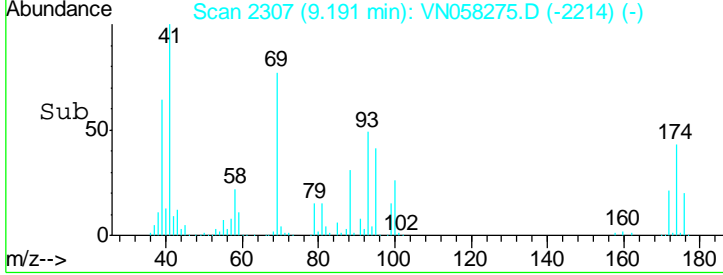
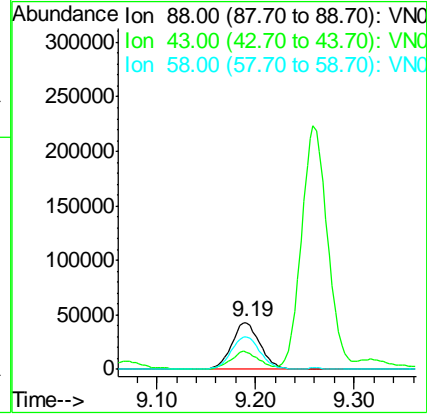
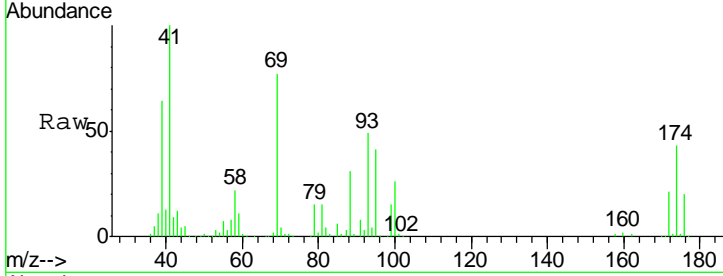


#49
 1,4-Dioxane
 Concen: 1054.169 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
88	87112		
88	100		
43	36.2	27.8	41.8
58	71.3	55.0	82.4

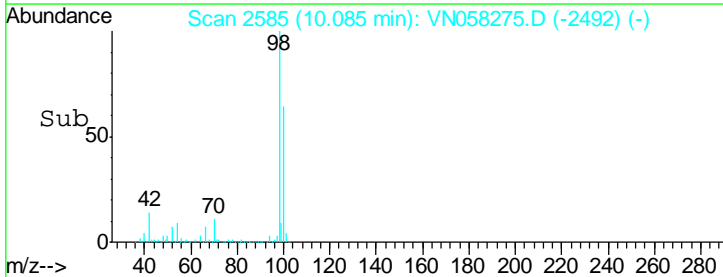
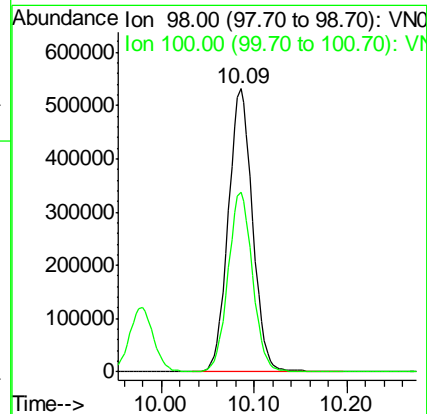
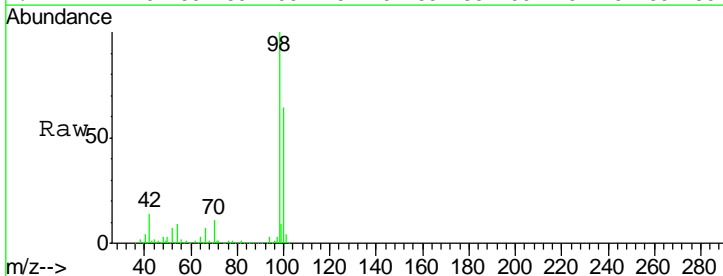
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

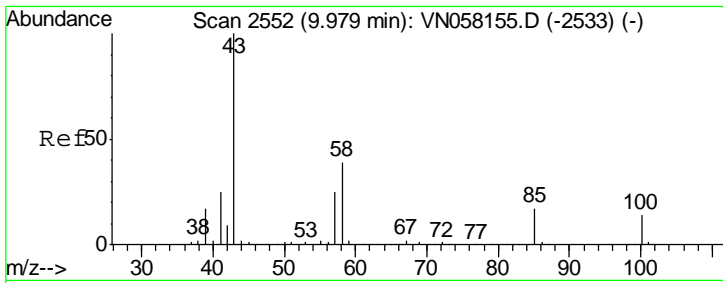
Manual Integrations APPROVED
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 9/25/2019 12:47:31 AM



#50
 Toluene-d8
 Concen: 51.314 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
98	963952		
98	100		
100	63.8	51.1	76.7





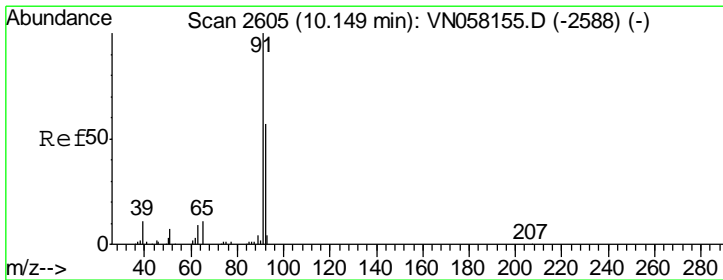
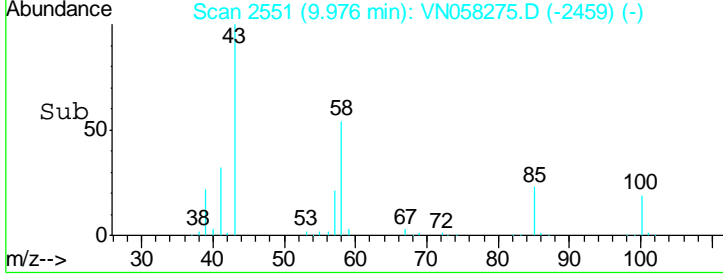
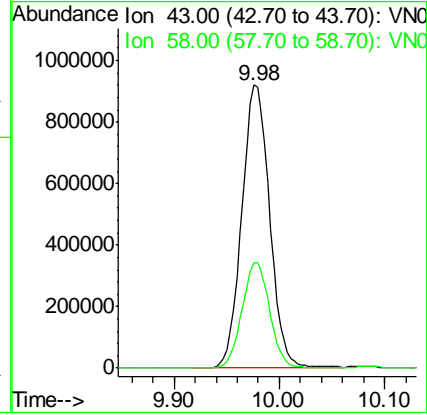
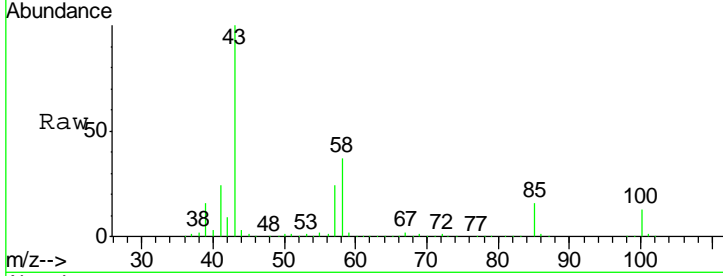
#51
 4-Methyl-2-Pentanone
 Concen: 286.370 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion: 43 Resp: 1686155

Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.2	45.4

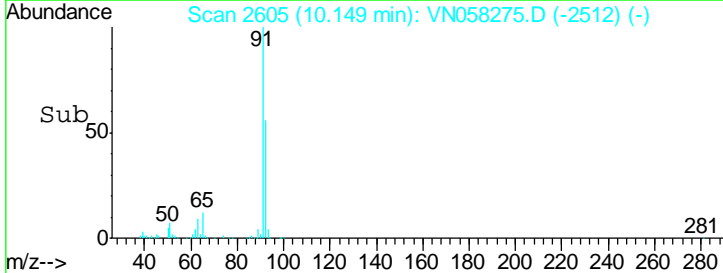
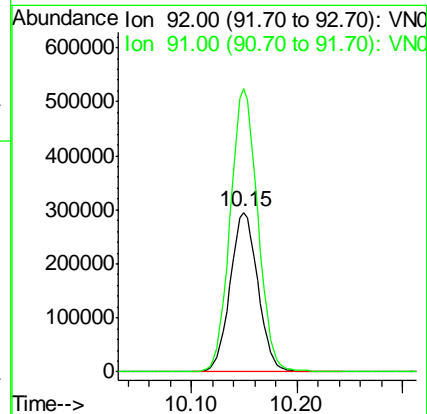
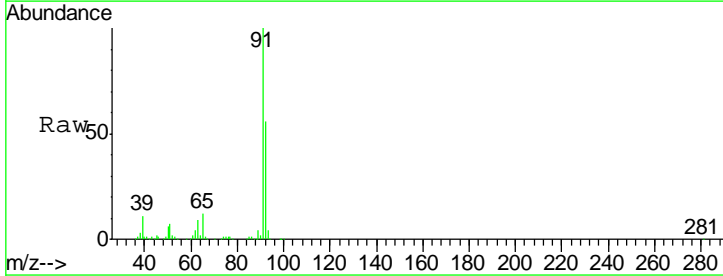
Manual Integrations
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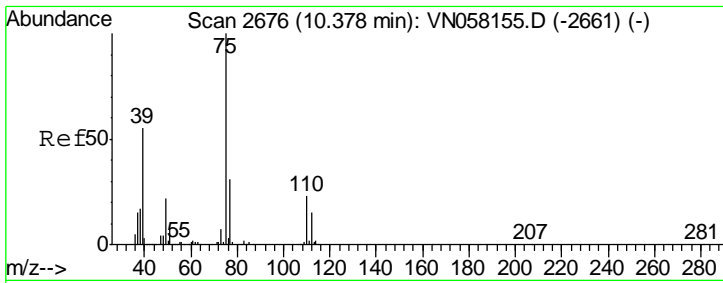


#52
 Toluene
 Concen: 49.074 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 92 Resp: 537272

Ion	Ratio	Lower	Upper
92	100		
91	176.2	140.2	210.2



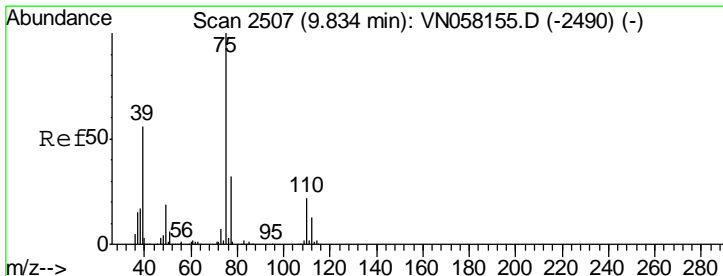
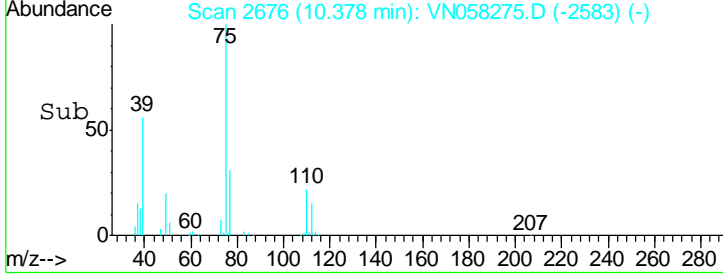
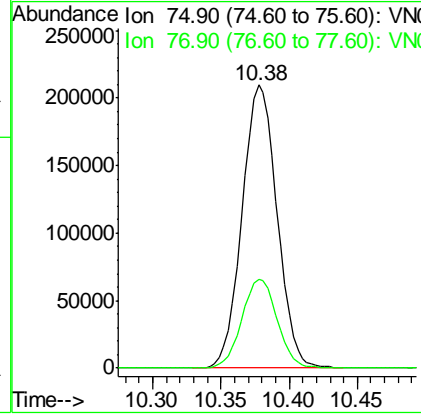
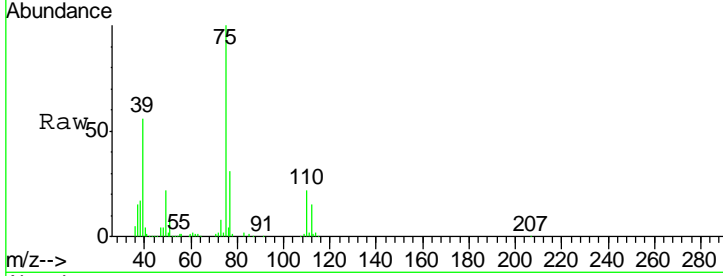


#53
 t-1,3-Dichloropropene
 Concen: 54.846 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

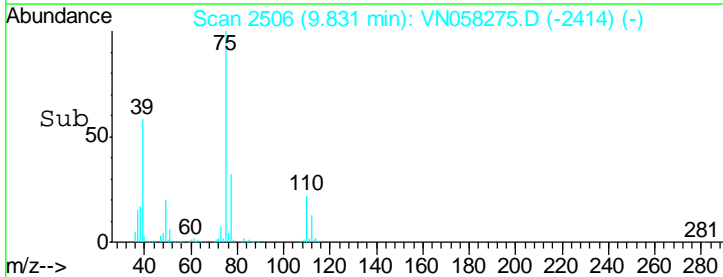
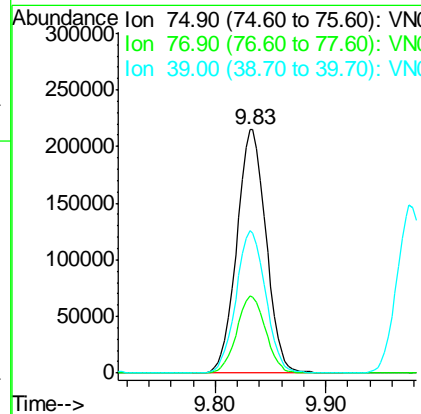
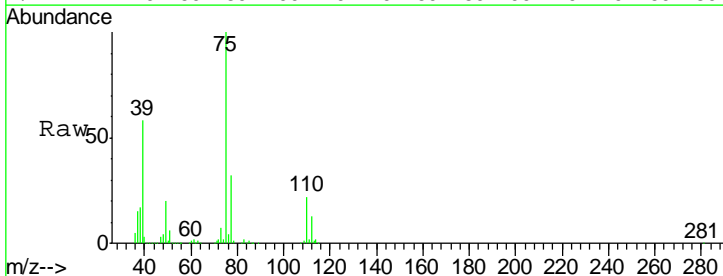
Tgt Ion	Resp	Lower	Upper
75	373321		
75	100		
77	31.4	24.9	37.3

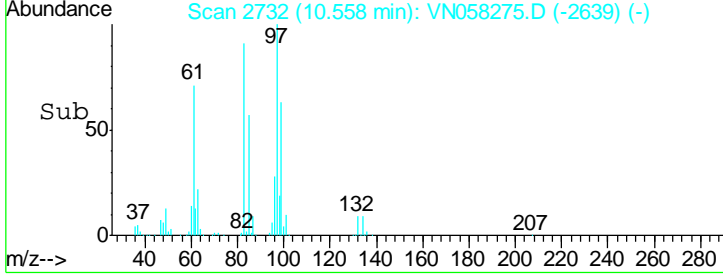
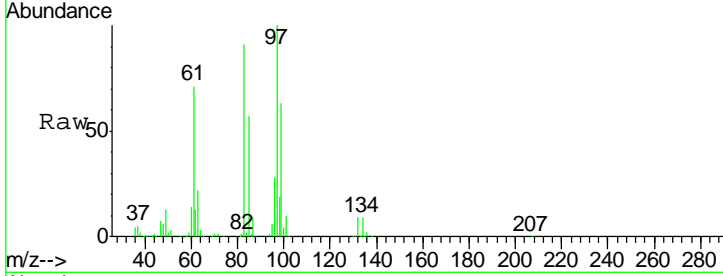
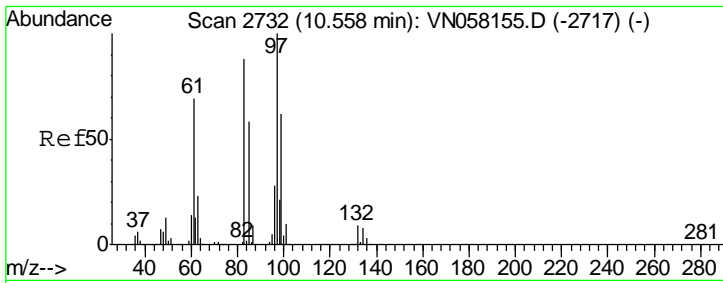
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 9/25/2019 12:47:31 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.569 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
75	395062		
75	100		
77	31.6	25.4	38.0
39	58.3	45.0	67.6



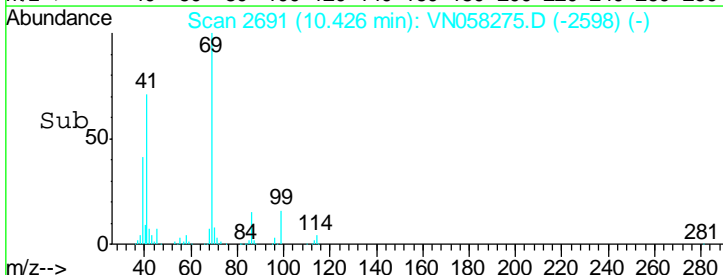
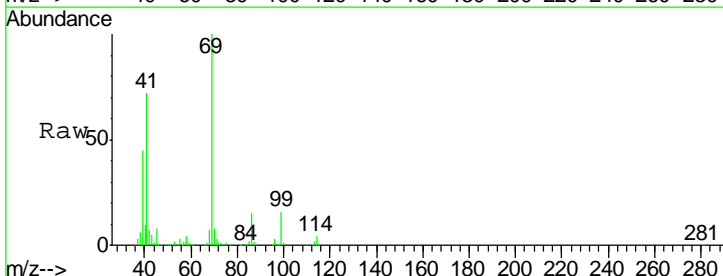
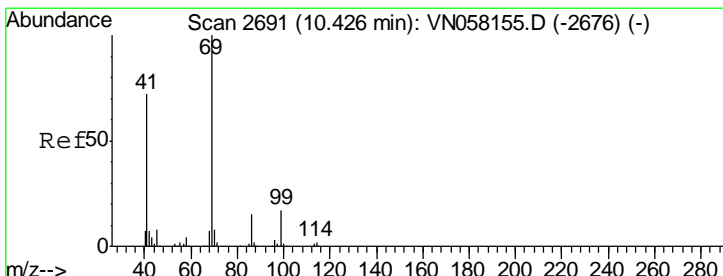
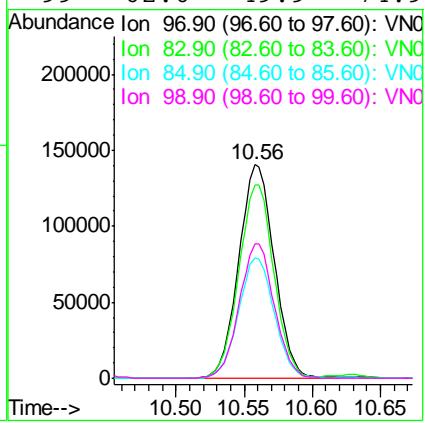


#55
 1,1,2-Trichloroethane
 Concen: 52.155 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
97	100		
83	90.8	70.4	105.6
85	56.6	46.8	70.2
99	62.6	49.9	74.9

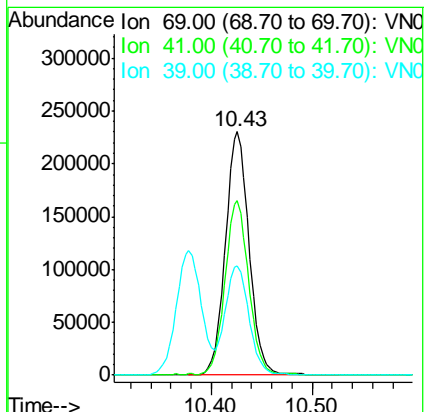
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

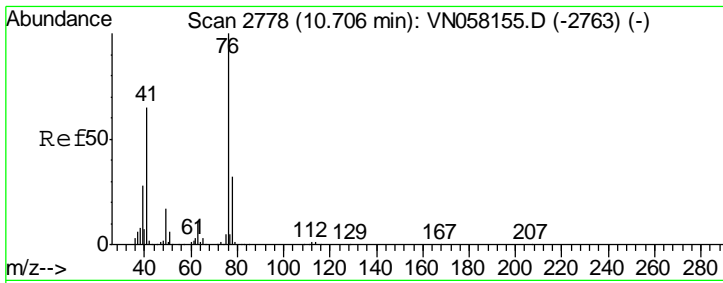
Manual Integrations
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 9/25/2019 12:47:31 AM



#56
 Ethyl methacrylate
 Concen: 54.028 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
69	100		
41	71.0	57.5	86.3
39	44.9	36.1	54.1



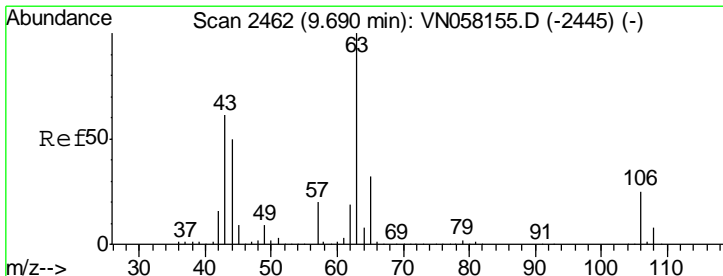
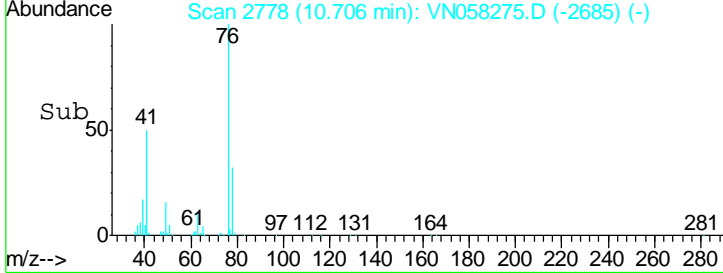
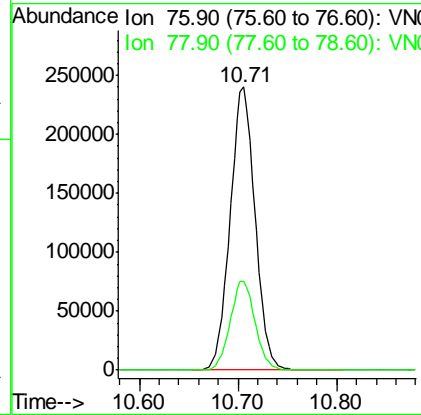
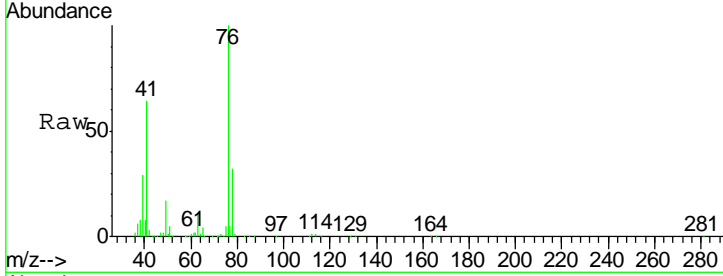


#57
 1,3-Dichloropropane
 Concen: 50.952 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

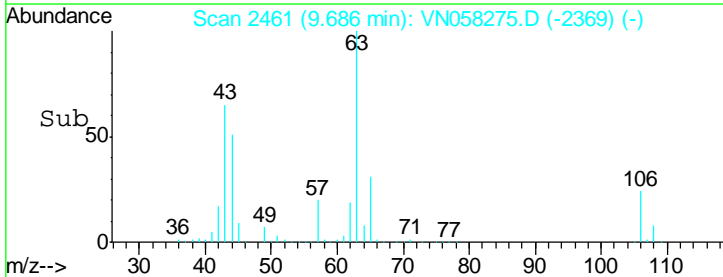
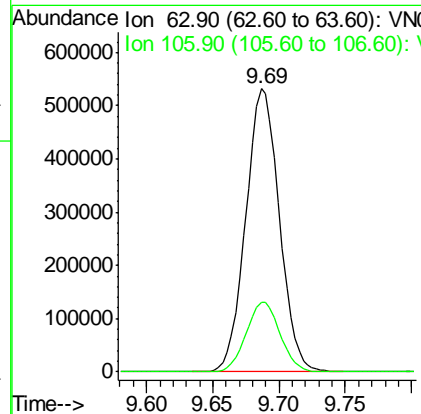
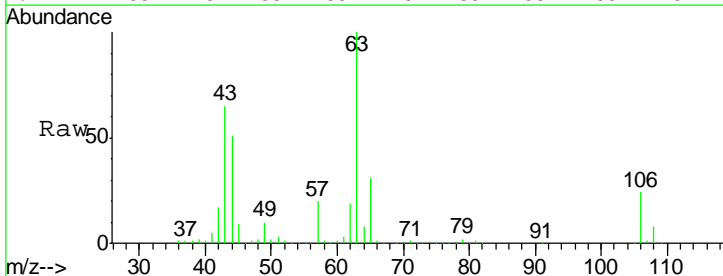
Tgt Ion	Resp	Lower	Upper
76	425568		
76	100		
78	31.5	25.4	38.0

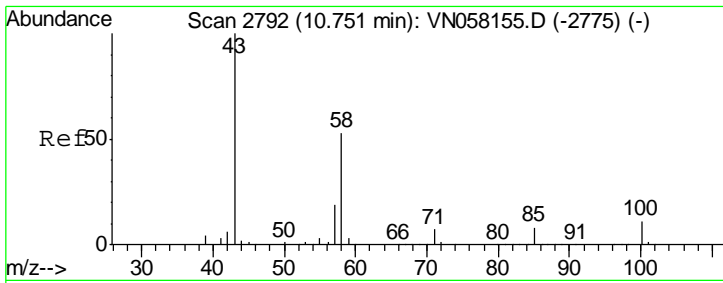
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#58
 2-Chloroethyl Vinyl ether
 Concen: 280.454 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
63	936453		
63	100		
106	25.0	19.9	29.9





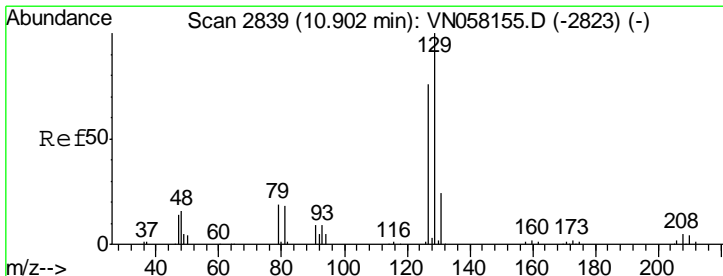
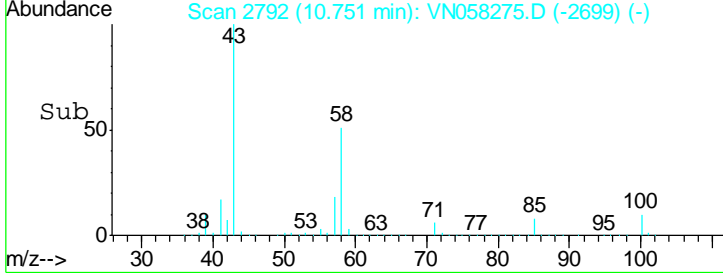
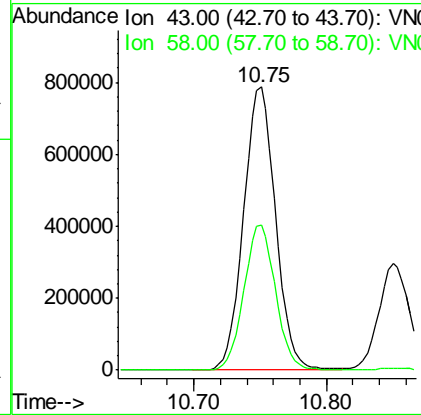
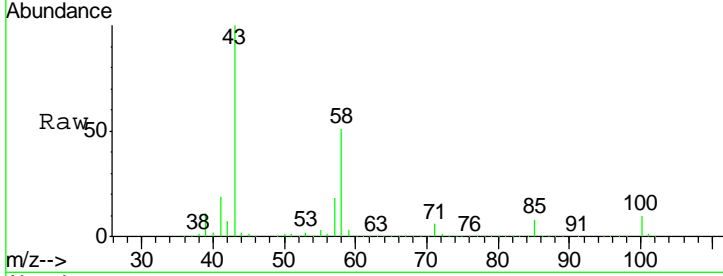
#59
 2-Hexanone
 Concen: 300.776 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion: 43 Resp: 1315286

Ion	Ratio	Lower	Upper
43	100		
58	50.9	26.0	78.0

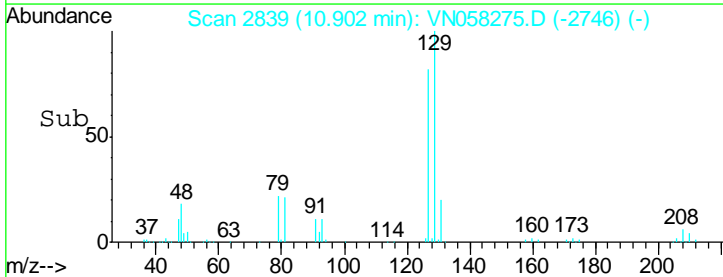
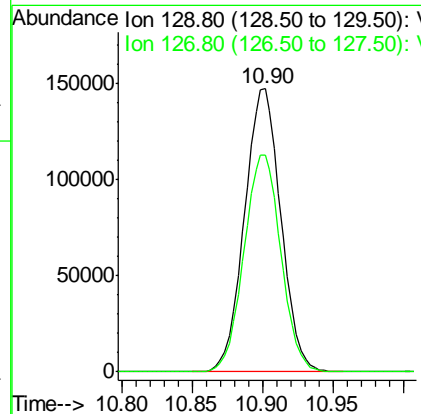
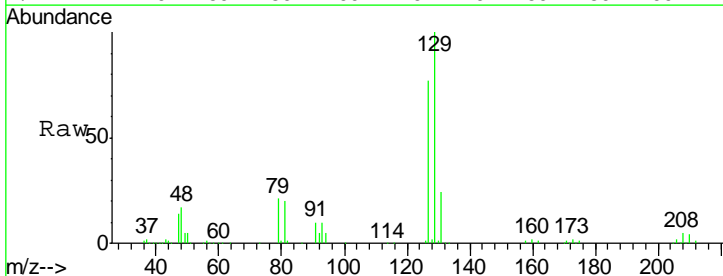
Manual Integrations
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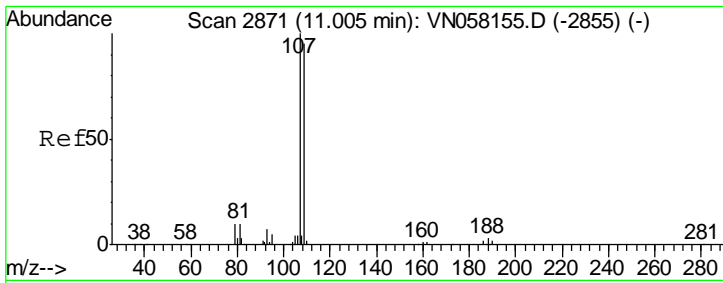


#60
 Dibromochloromethane
 Concen: 56.910 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 129 Resp: 266004

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.7	116.1



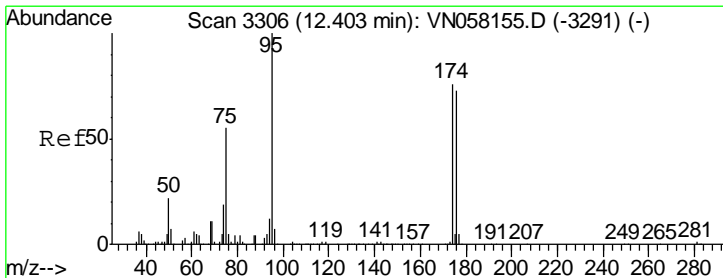
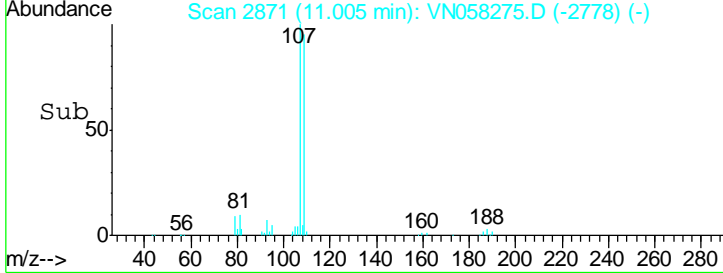
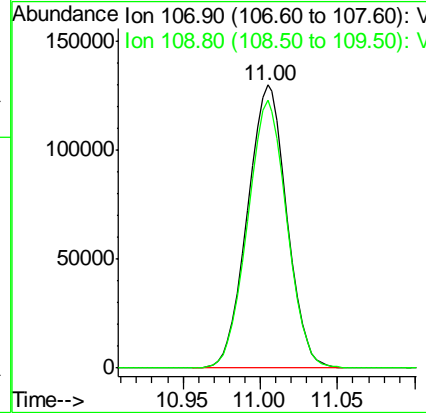
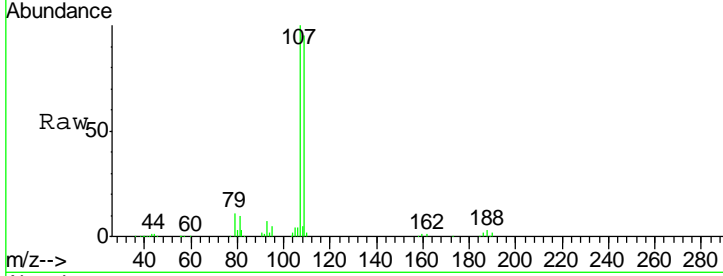


#61
 1,2-Dibromoethane
 Concen: 51.103 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

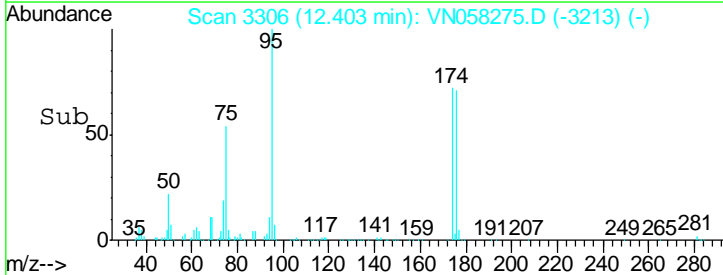
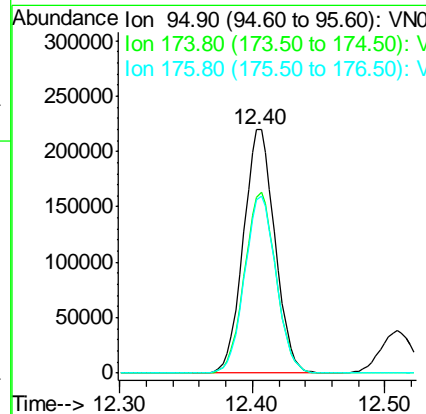
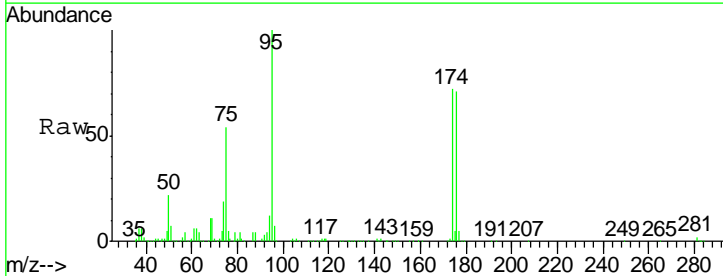
Tgt Ion	Resp	Lower	Upper
107	100		
109	94.7	75.4	113.2

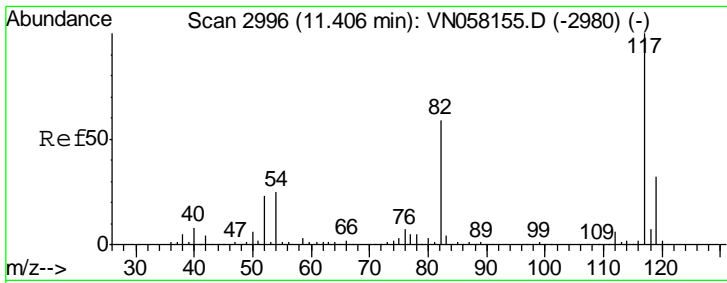
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#62
 4-Bromofluorobenzene
 Concen: 51.862 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
95	100		
174	73.9	0.0	152.2
176	72.4	0.0	148.0



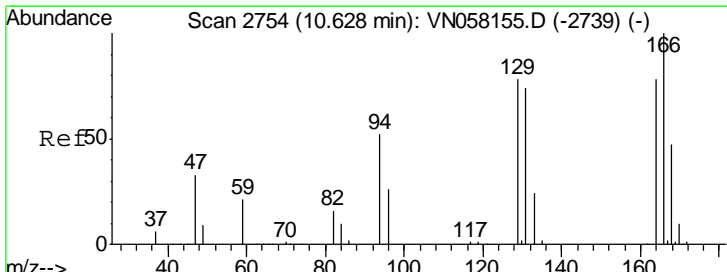
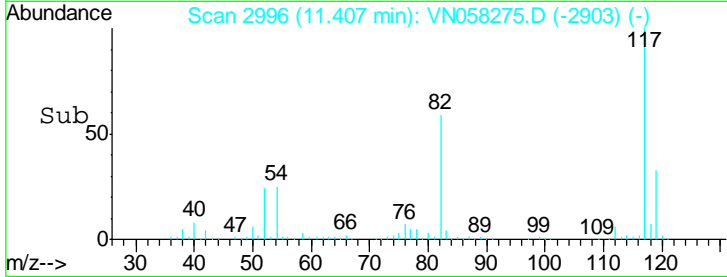
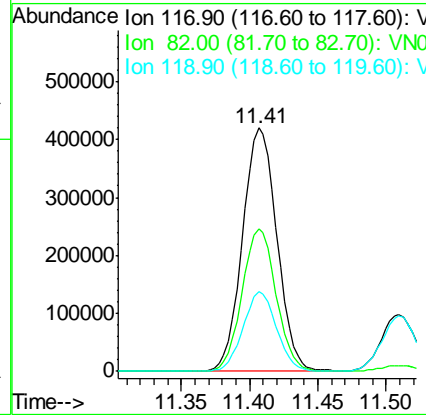
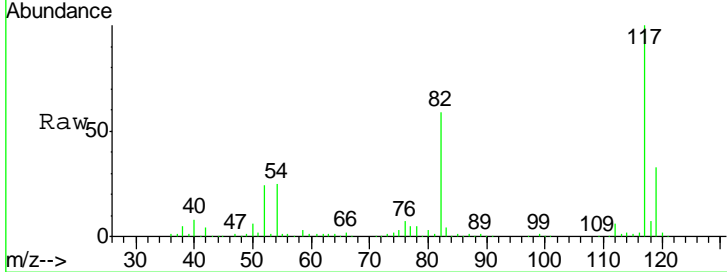


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

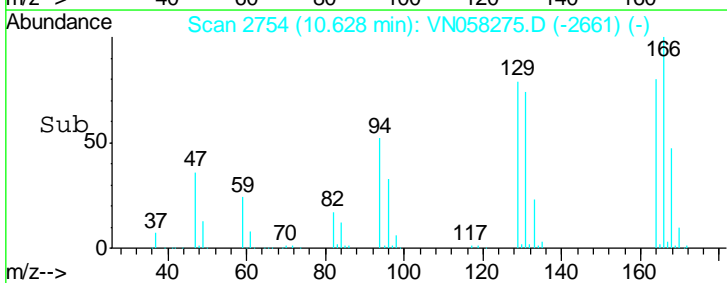
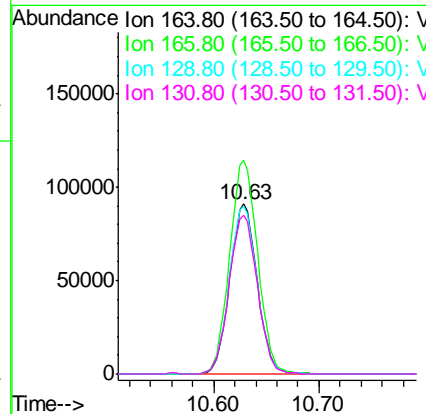
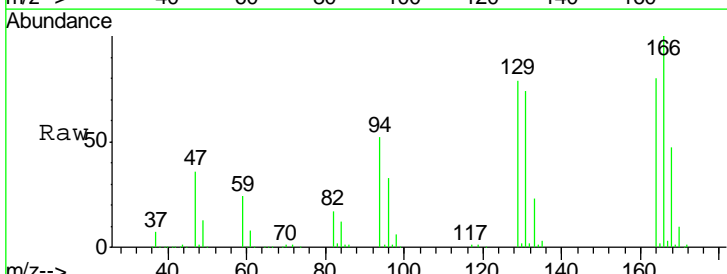
Tgt Ion	Resp	Lower	Upper
117	735444		
82	58.7	46.9	70.3
119	32.6	25.3	37.9

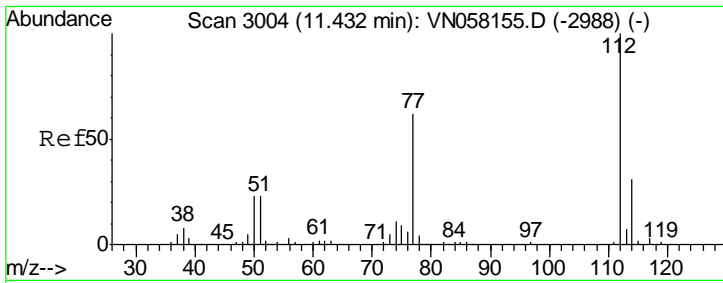
Manual Integrations
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#64
 Tetrachloroethene
 Concen: 45.591 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
164	163450		
166	125.7	102.2	153.4
129	99.0	79.6	119.4
131	93.5	76.0	114.0



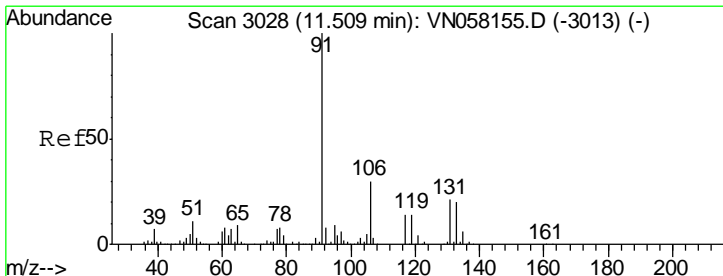
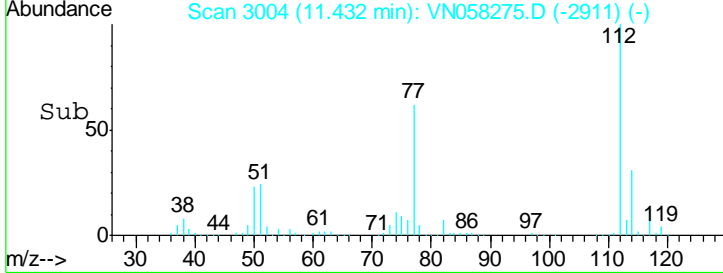
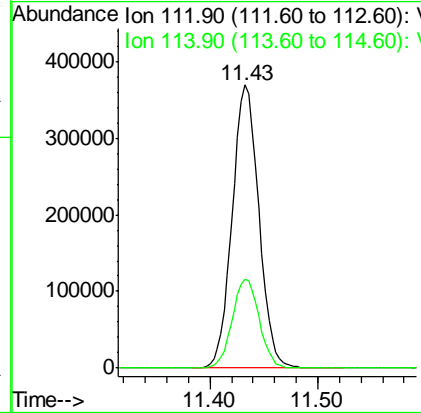
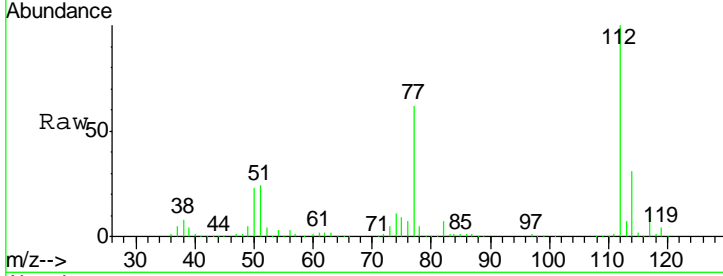


#65
 Chlorobenzene
 Concen: 48.950 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

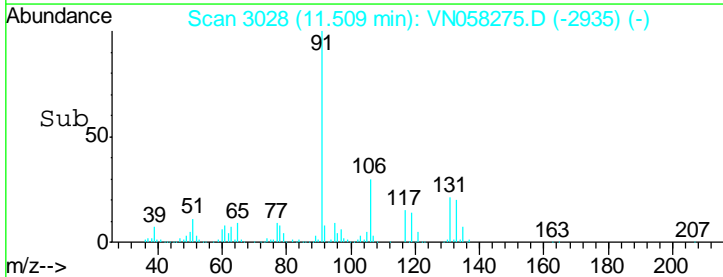
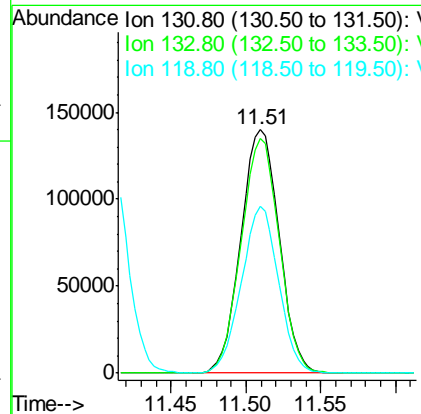
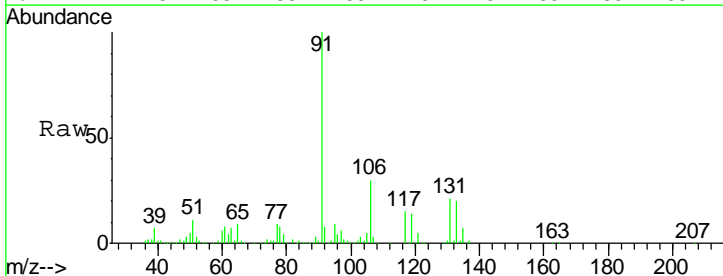
Tgt Ion	Resp	Lower	Upper
112	633217		
114	31.4	25.1	37.7

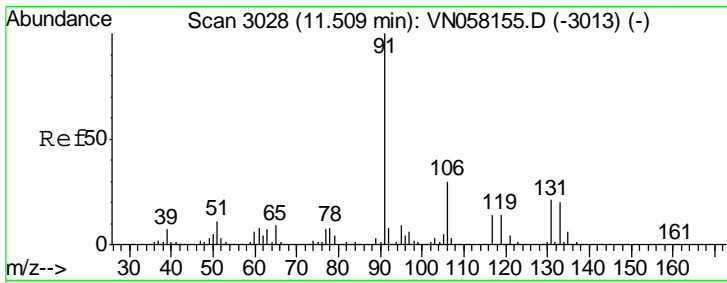
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.213 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
131	249602		
133	95.9	47.8	143.3
119	66.3	33.1	99.3





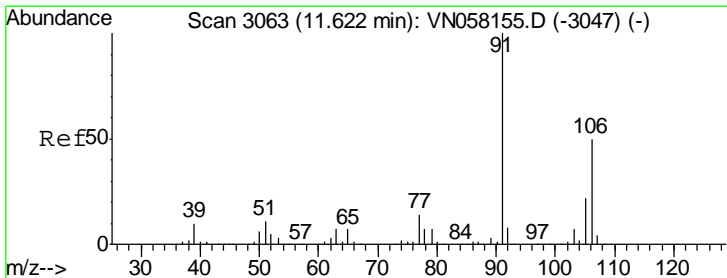
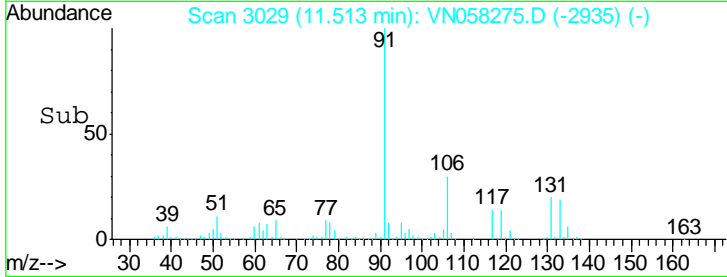
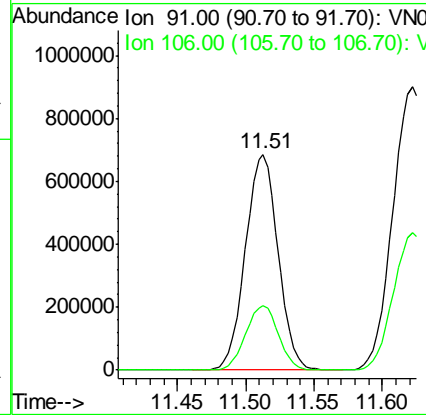
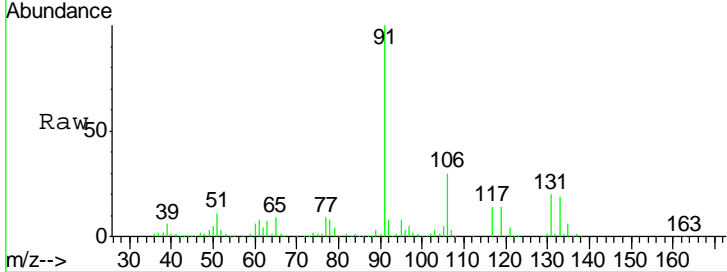
#67
Ethyl Benzene
Concen: 51.422 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
Client Sampled : VSTDCCC050

Tgt Ion: 91 Resp: 1139803
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0

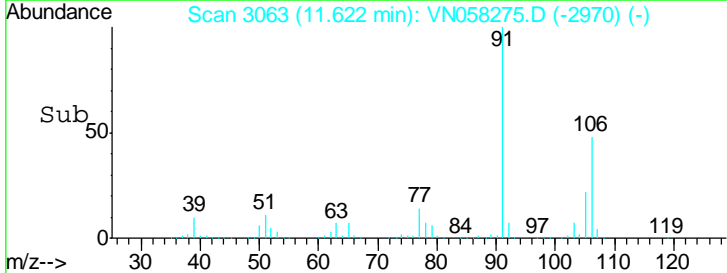
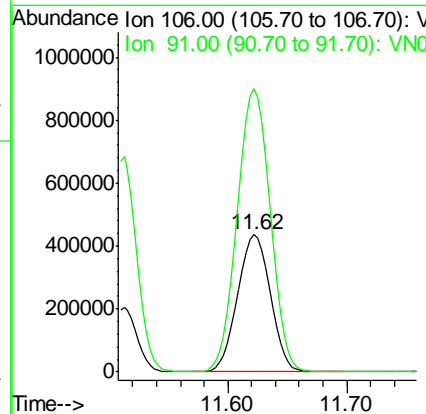
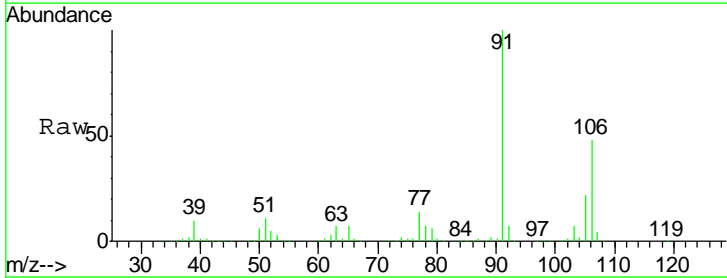
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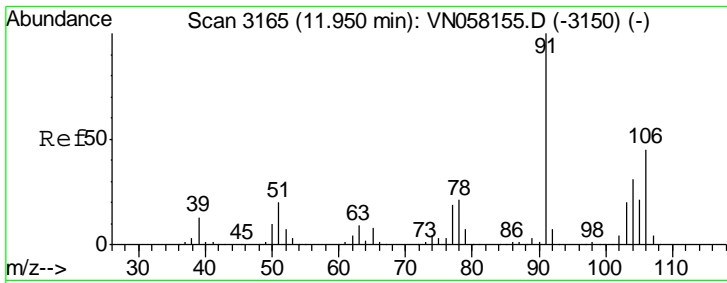
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#68
m/p-Xylenes
Concen: 99.910 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 106 Resp: 834069
Ion Ratio Lower Upper
106 100
91 208.3 163.6 245.4





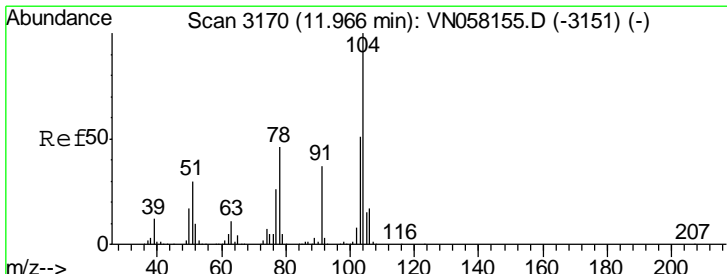
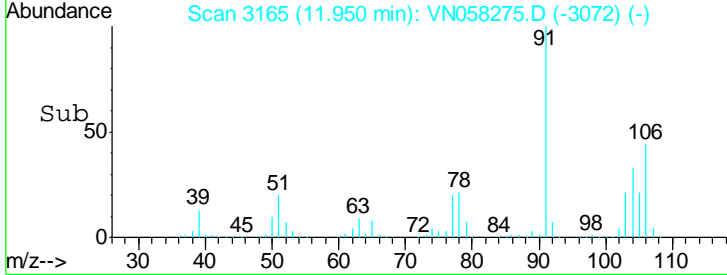
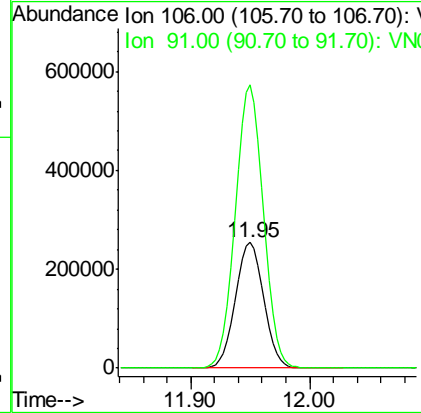
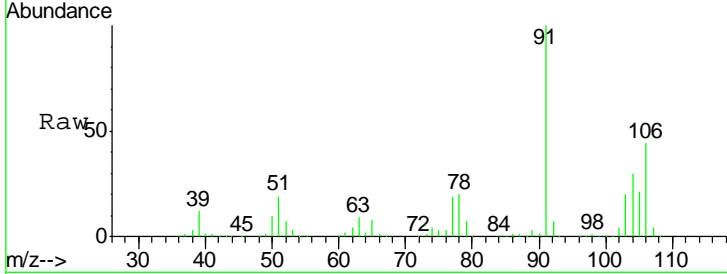
#69
 o-Xylene
 Concen: 51.075 ug/l
 RT: 11.95 min Scan# 3165
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
106	419262		
106	100		
91	222.8	111.8	335.3

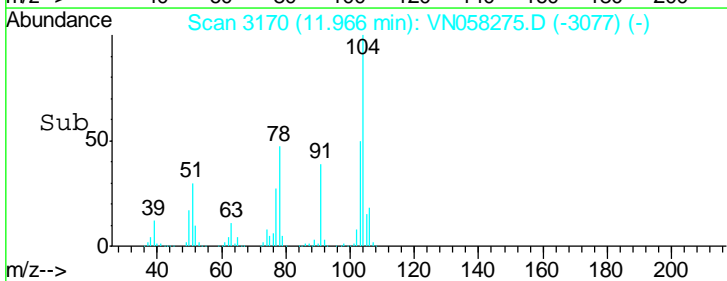
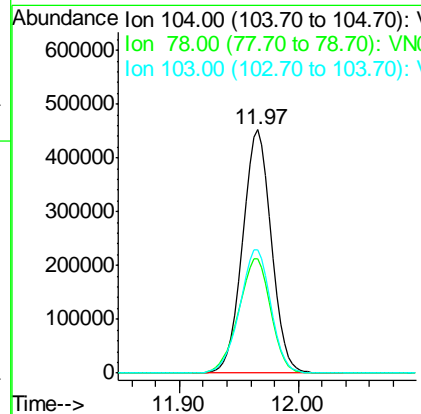
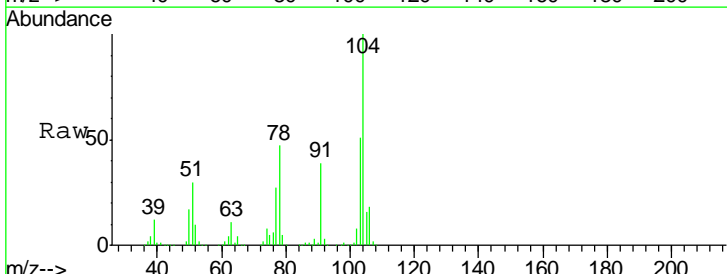
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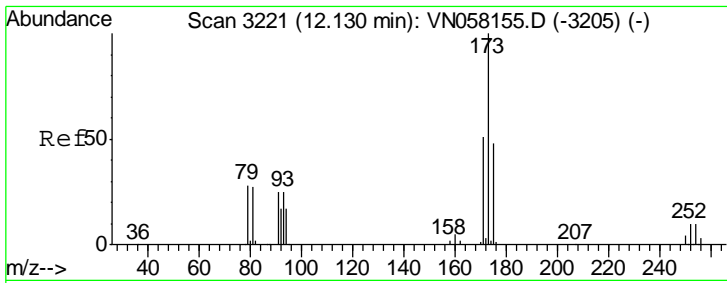
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#70
 Styrene
 Concen: 53.505 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
104	756754		
104	100		
78	52.7	41.8	62.8
103	55.1	44.2	66.2





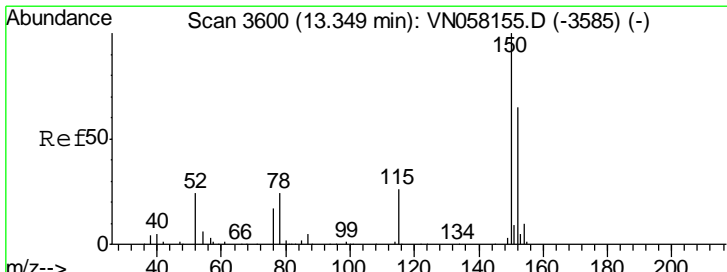
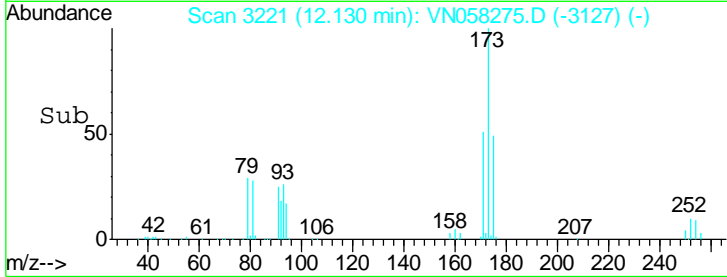
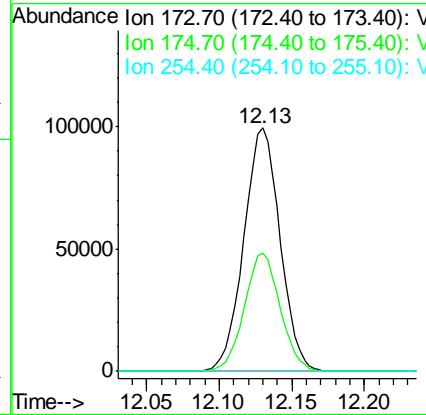
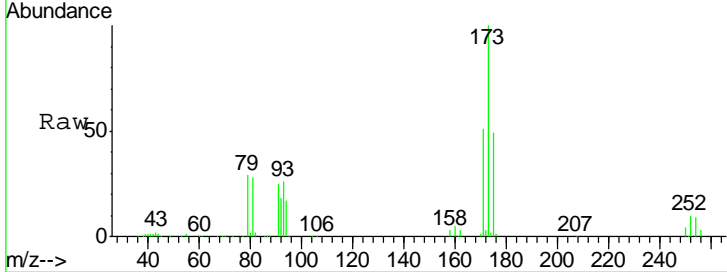
#71
 Bromoform
 Concen: 49.720 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
173	172830		
175	47.9	24.2	72.6
254	0.1	0.1	0.1

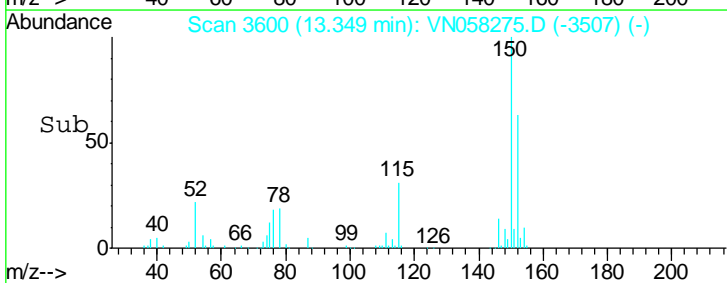
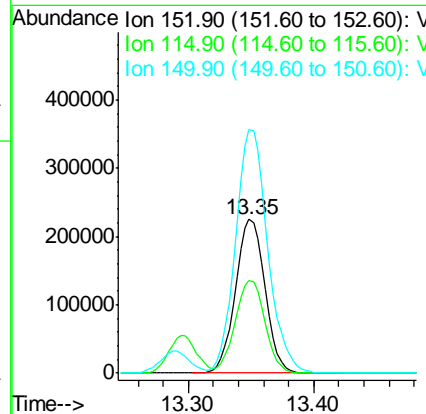
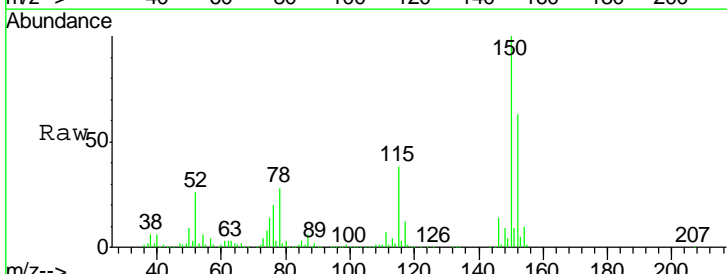
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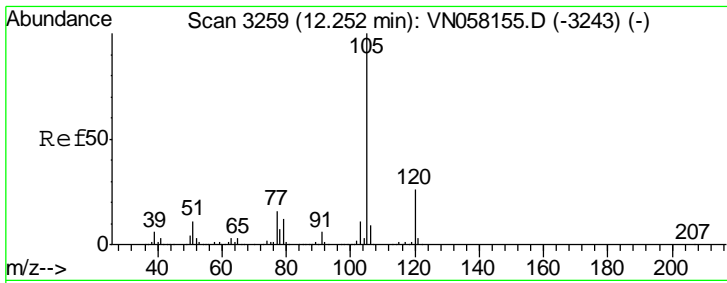
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
152	366875		
152	100		
115	60.8	30.1	90.3
150	172.3	0.0	346.4





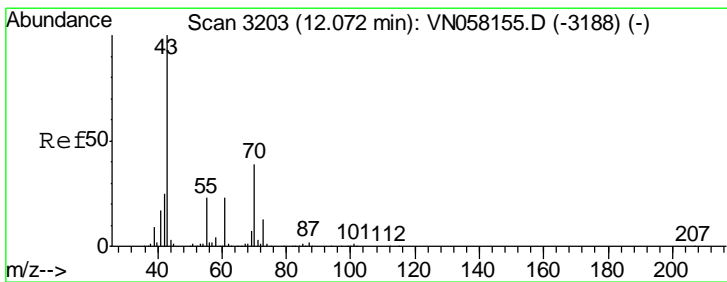
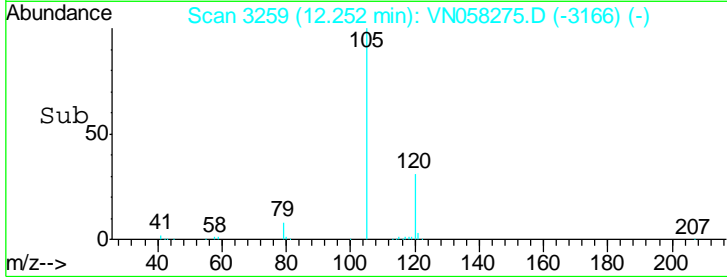
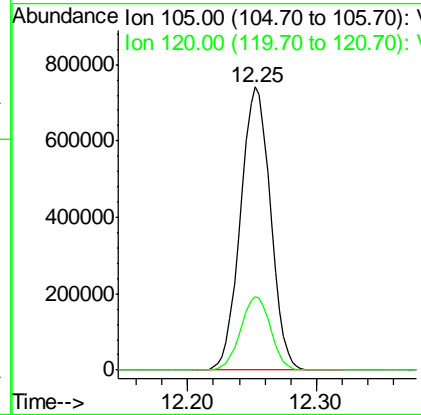
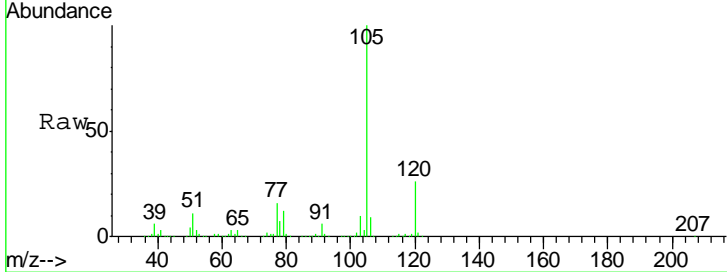
#73
 Isopropylbenzene
 Concen: 52.146 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion: 105 Resp: 1197476

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.3

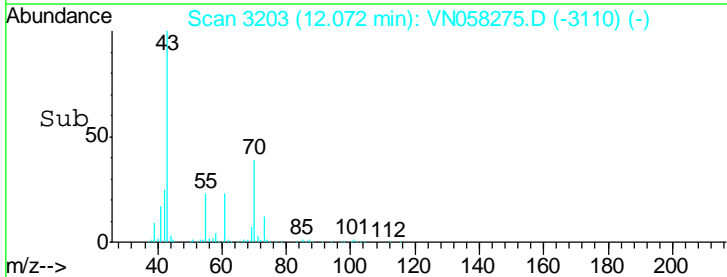
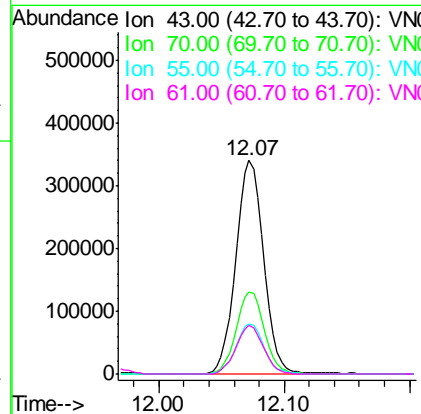
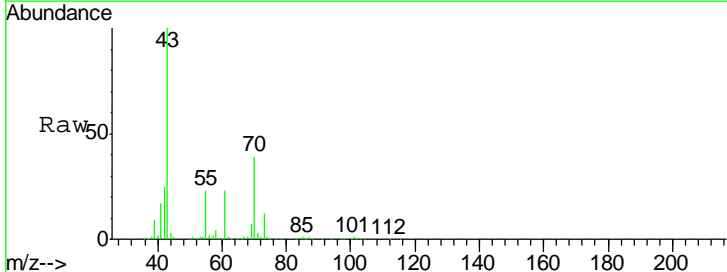
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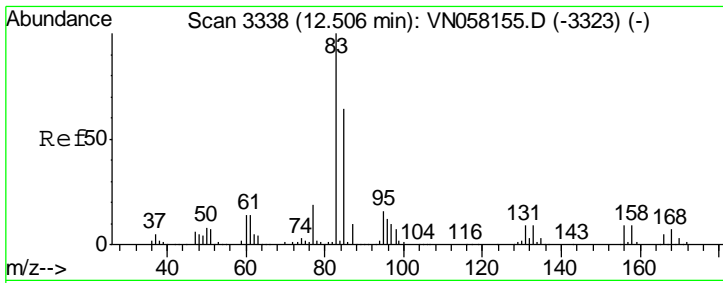


#74
 N-amyl acetate
 Concen: 54.467 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 43 Resp: 523253

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.0	46.6
55	23.8	18.5	27.7
61	22.6	18.2	27.2



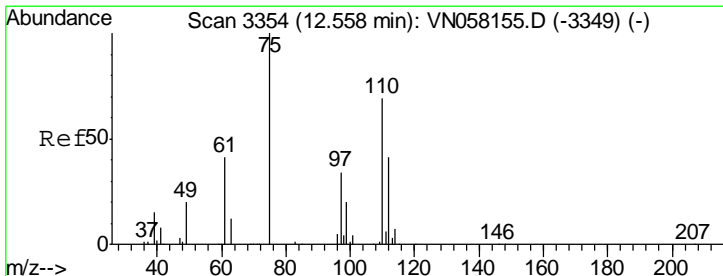
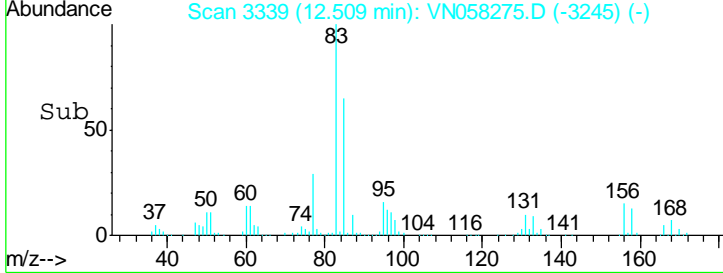
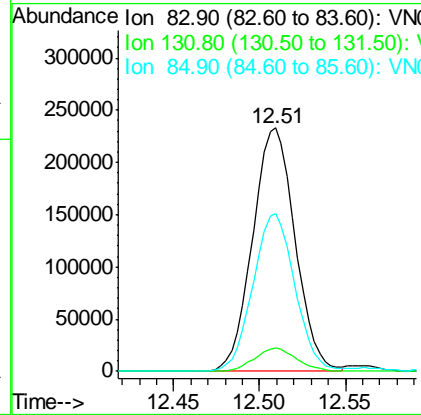
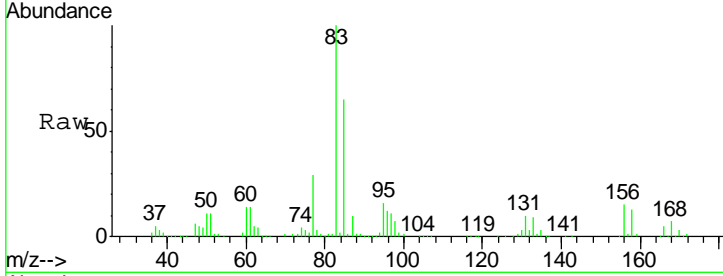


#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.874 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

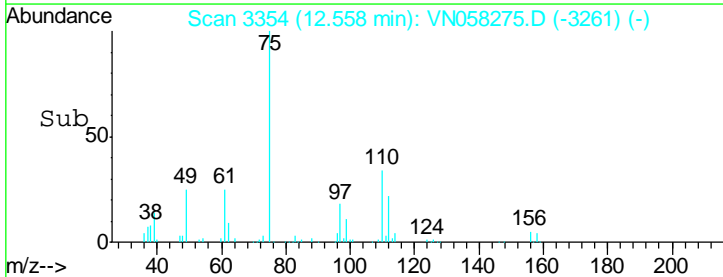
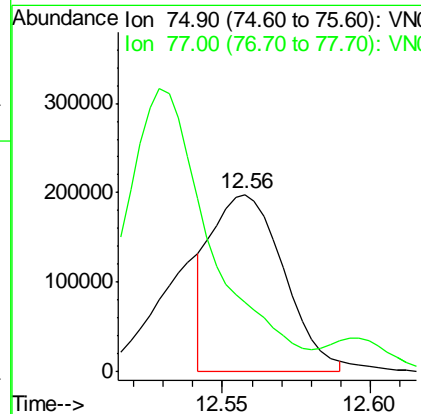
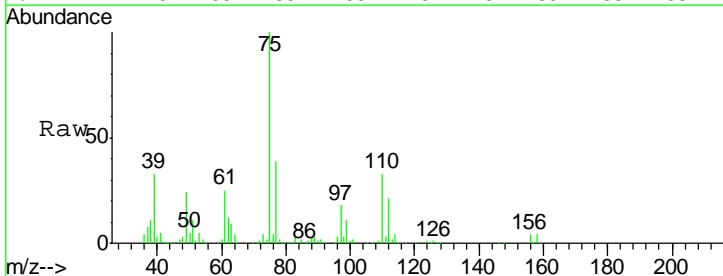
Tgt Ion	Resp	Lower	Upper
83	398915		
83	100		
131	9.6	4.8	14.3
85	63.9	31.9	95.5

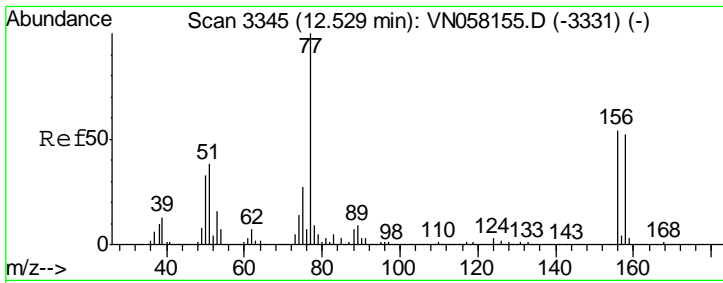
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#76
 1,2,3-Trichloropropane
 Concen: 51.172 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
75	335989		
75	100		
77	0.0	0.0	0.0



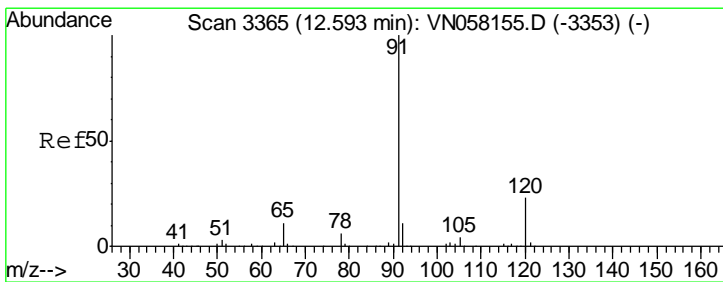
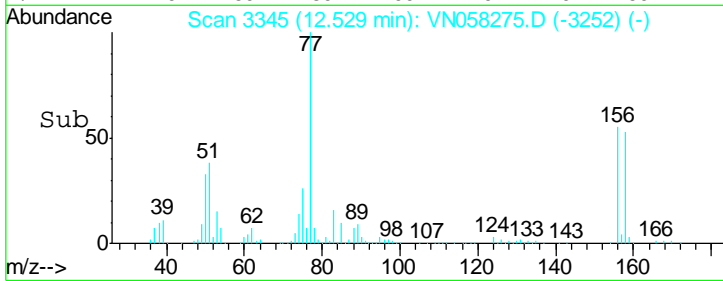
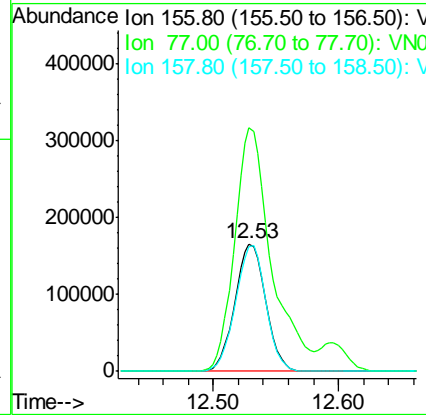
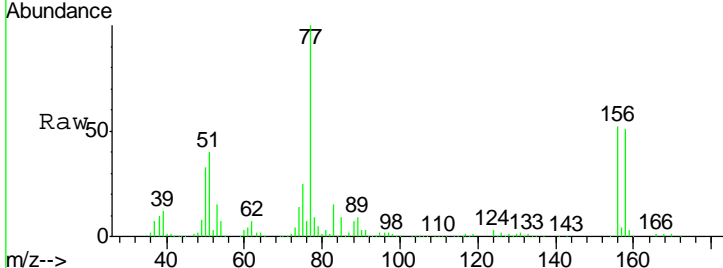


#77
 Bromobenzene
 Concen: 48.862 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 Client Sampled : VSTDC050

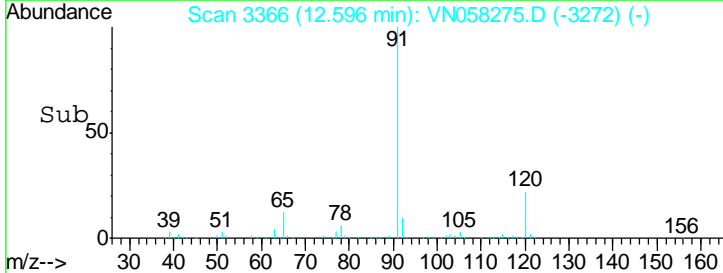
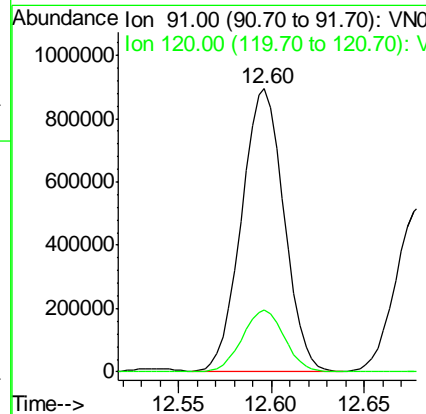
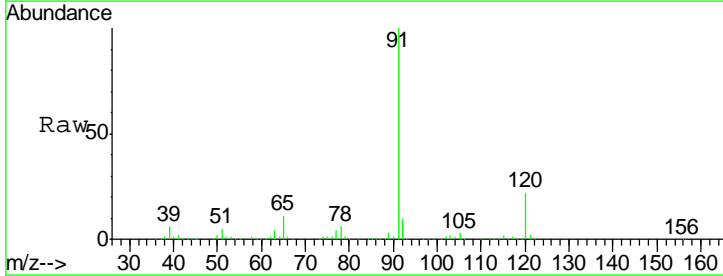
Tgt Ion	Resp	Lower	Upper
156	282248		
77	227.8	111.7	335.1
158	97.4	47.9	143.8

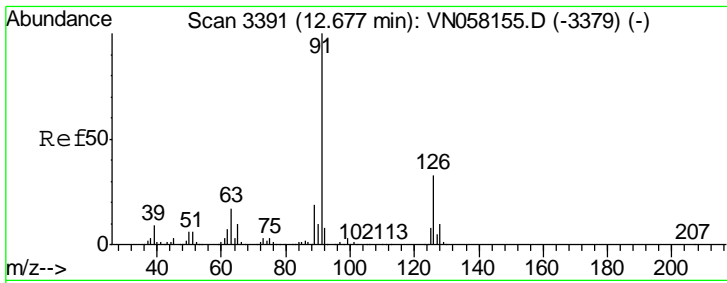
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#78
 n-propylbenzene
 Concen: 54.490 ug/l
 RT: 12.60 min Scan# 3366
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
91	1421941		
120	21.7	11.1	33.3



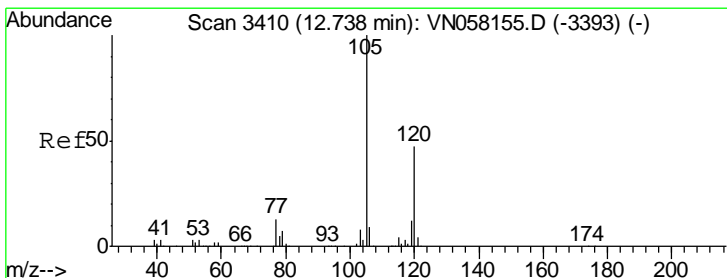
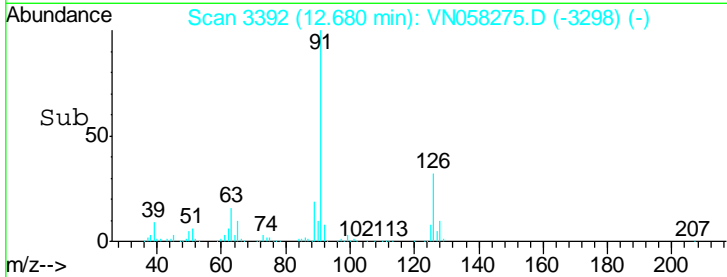
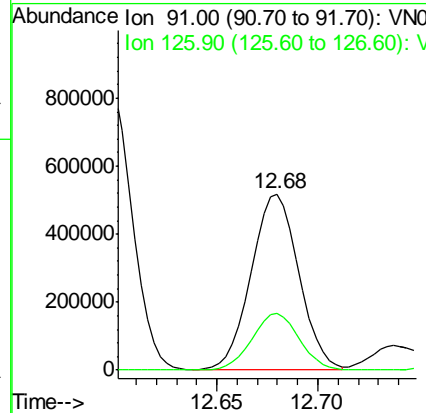
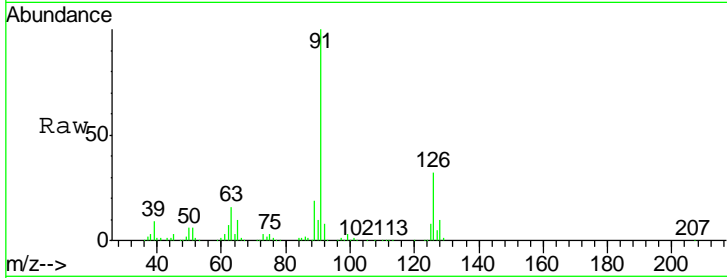


#79
 2-Chlorotoluene
 Concen: 52.310 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

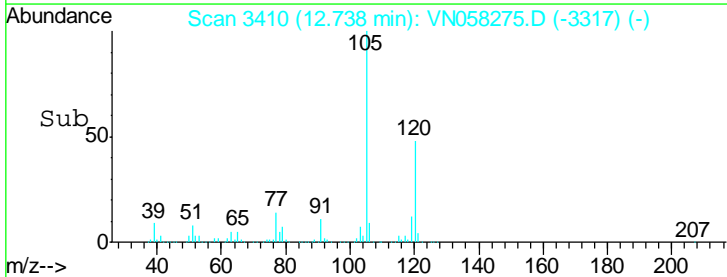
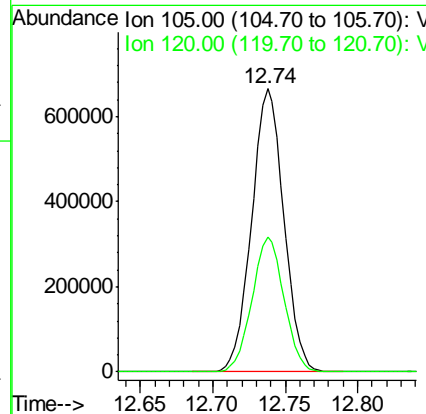
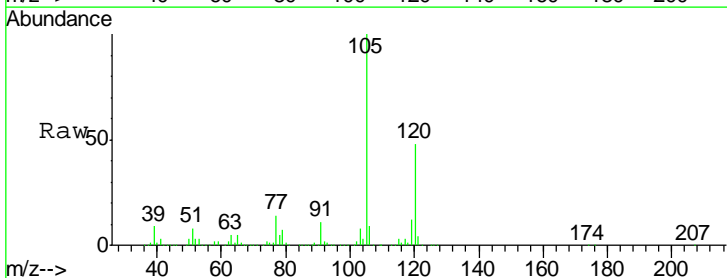
Tgt Ion	Resp	Lower	Upper
91	100		
126	32.2	16.4	49.1

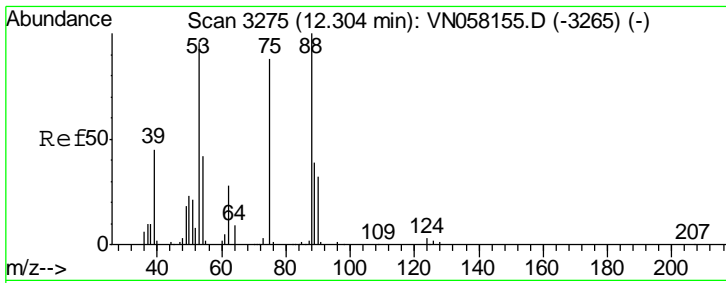
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.813 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
105	100		
120	47.5	23.4	70.0





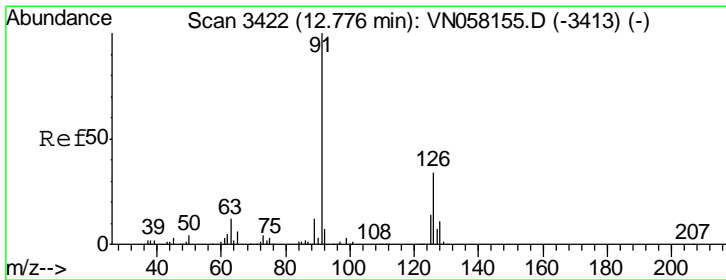
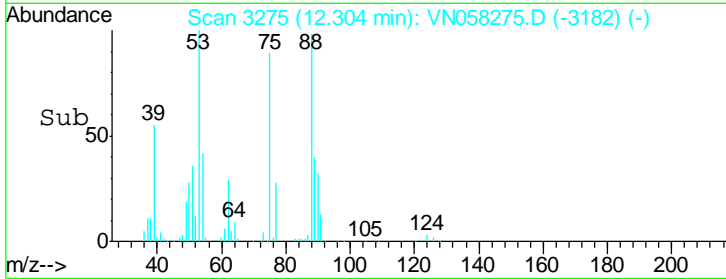
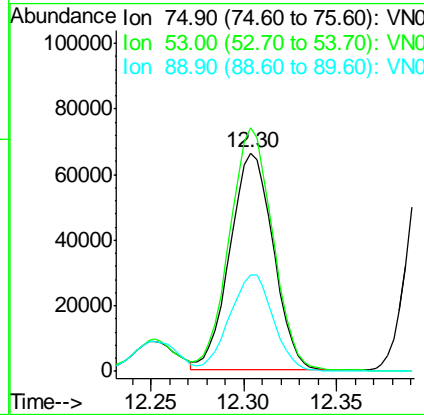
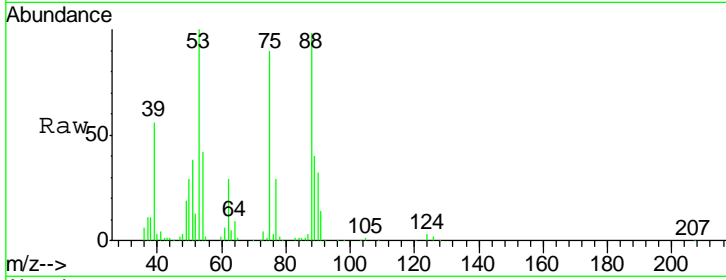
#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.792 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
75	107292		
75	100		
53	111.6	90.1	135.1
89	45.2	36.2	54.2

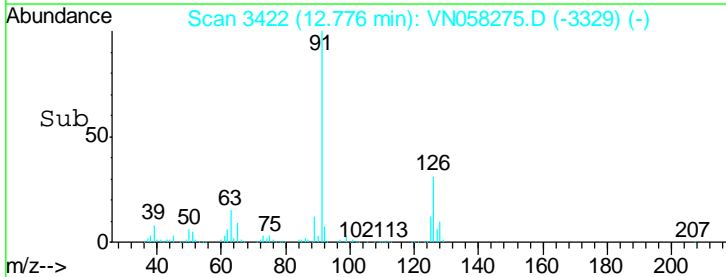
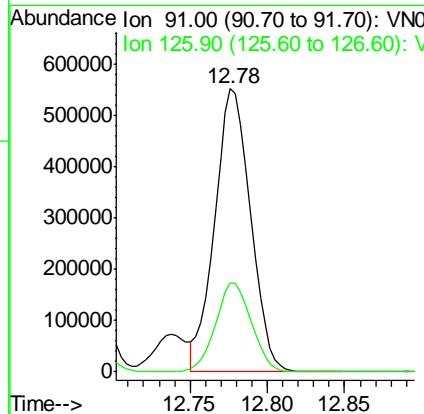
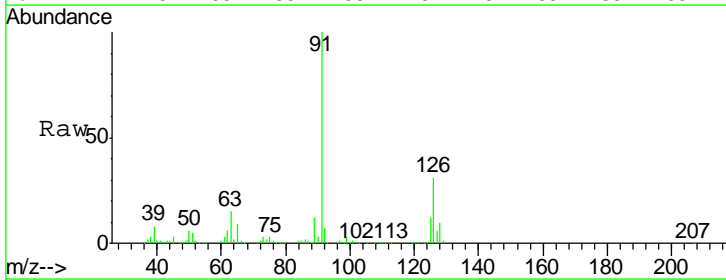
Manual Integrations
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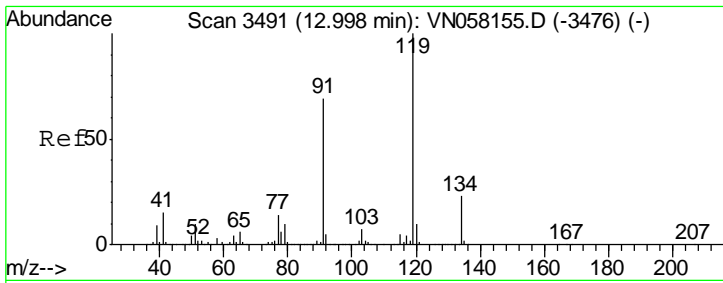
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#82
 4-Chlorotoluene
 Concen: 51.702 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
91	886342		
91	100		
126	31.8	15.7	47.1



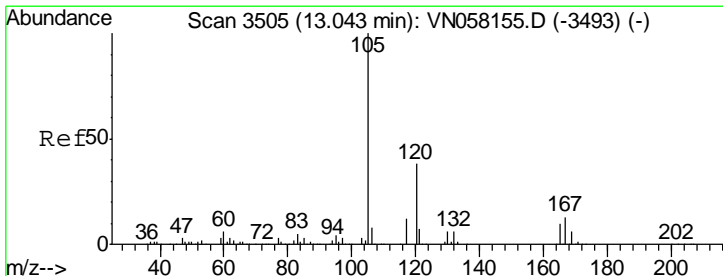
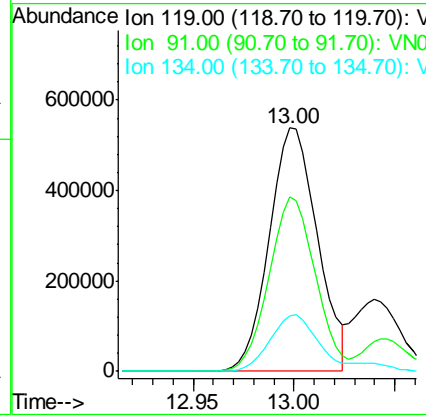
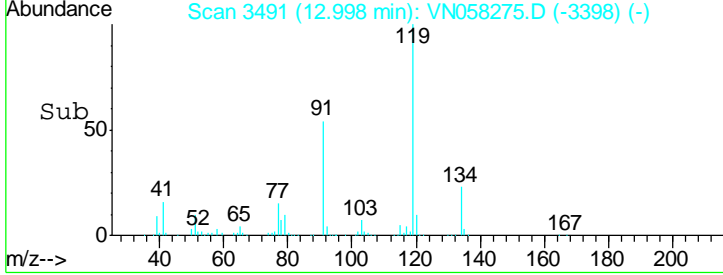
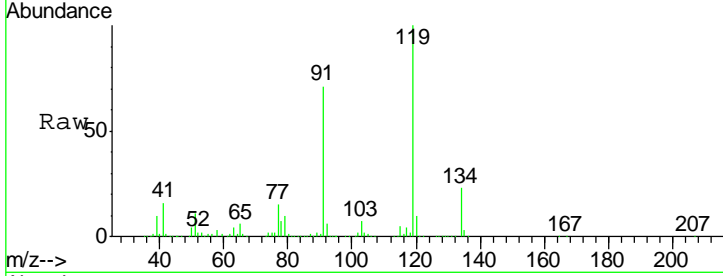


#83
 tert-Butylbenzene
 Concen: 51.604 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

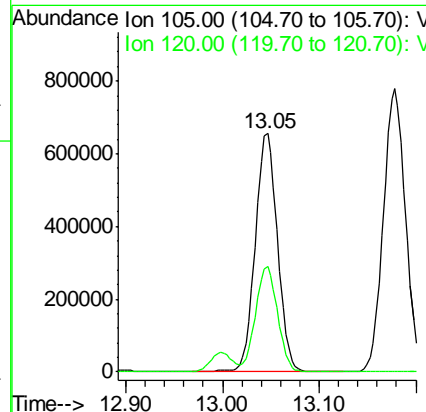
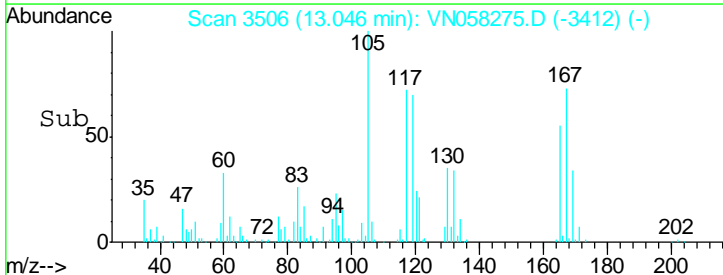
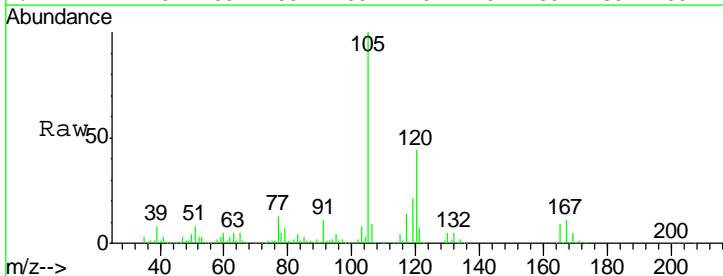
Tgt Ion	Resp	Lower	Upper
119	100		
91	68.9	33.8	101.3
134	23.4	11.6	34.8

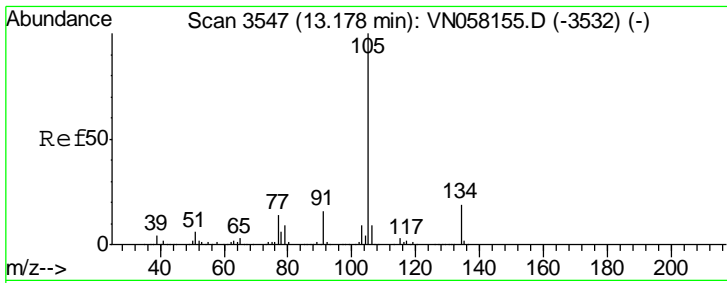
Manual Integrations
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 9/25/2019 12:47:31 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.238 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
105	100		
120	43.8	22.1	66.5



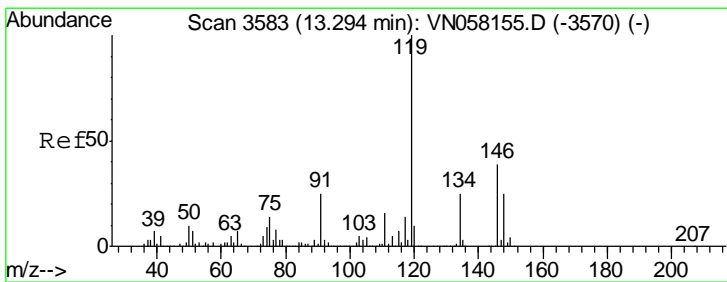
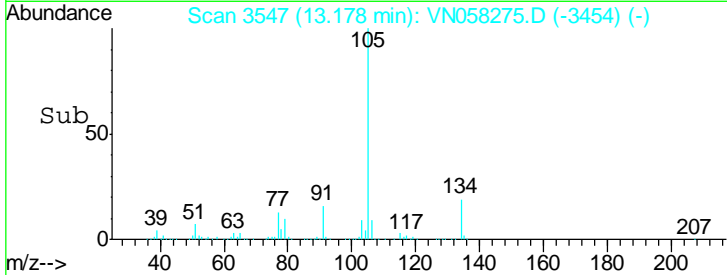
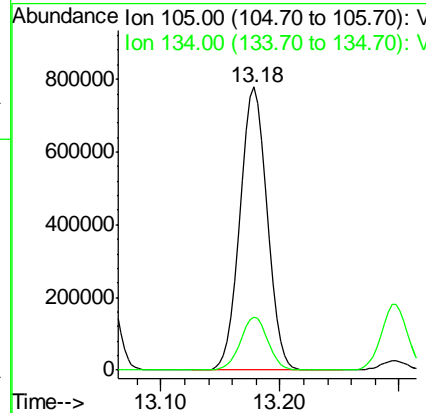
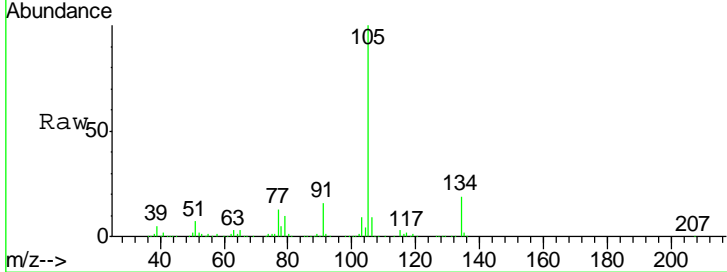


#85
 sec-Butylbenzene
 Concen: 54.409 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

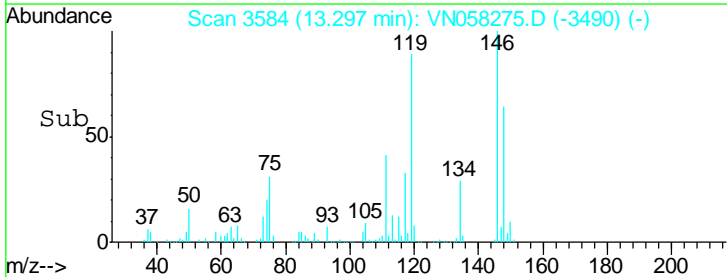
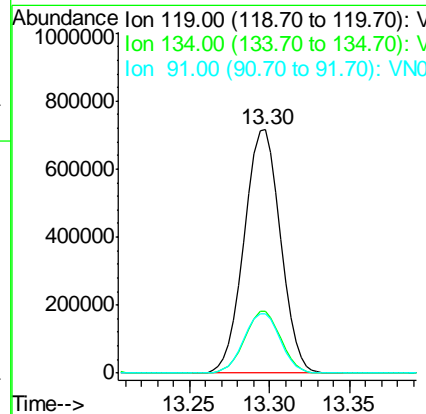
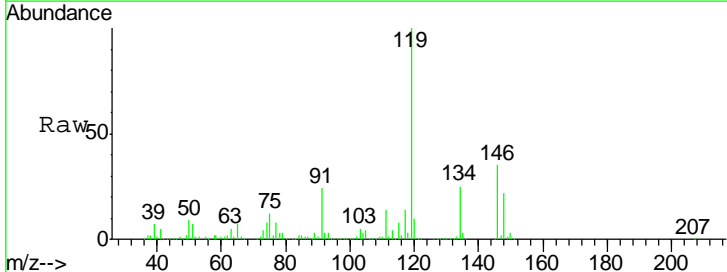
Tgt Ion	Resp	Lower	Upper
105	1232108		
105	100		
134	18.9	9.5	28.5

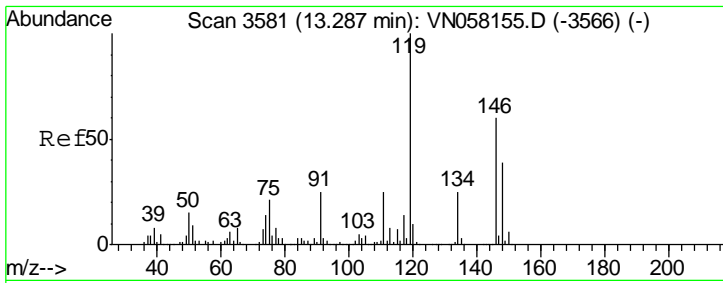
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 54.930 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
119	1105849		
119	100		
134	25.2	12.7	38.0
91	24.5	12.3	36.8



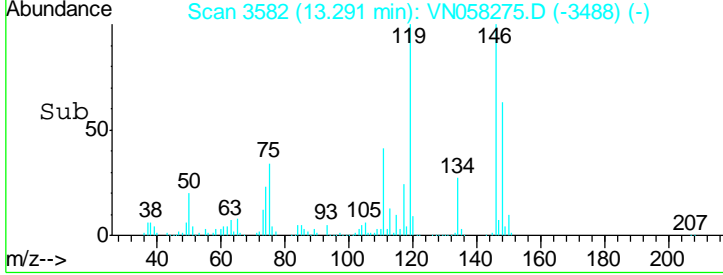
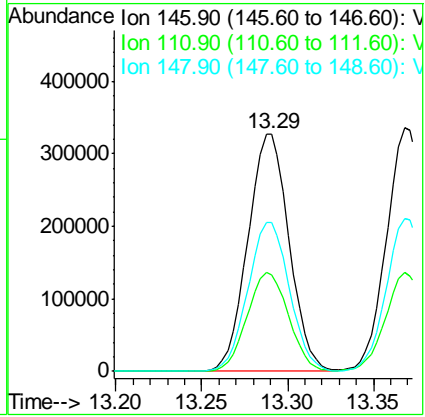
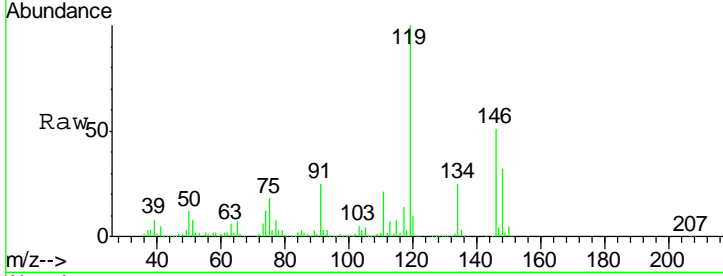


#87
 1,3-Dichlorobenzene
 Concen: 51.568 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

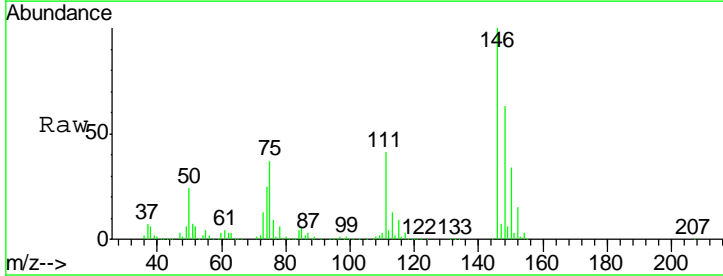
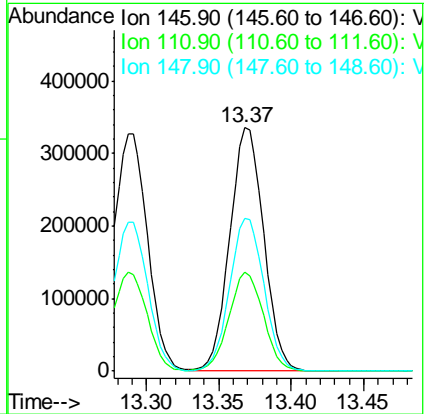
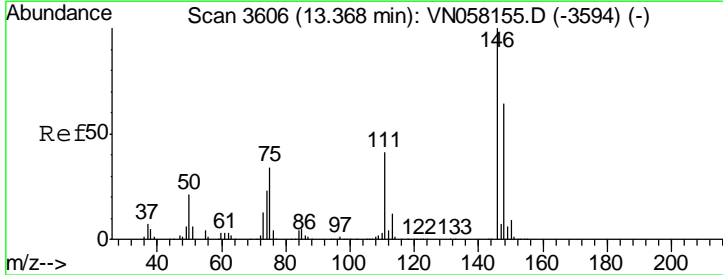
Tgt Ion	Resp	Lower	Upper
146	544074		
146	100		
111	41.9	20.9	62.8
148	63.3	32.0	96.2

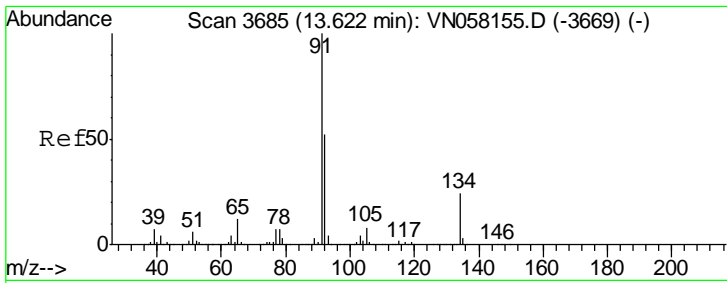
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 50.627 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
146	545312		
146	100		
111	41.1	20.5	61.5
148	63.5	31.9	95.5





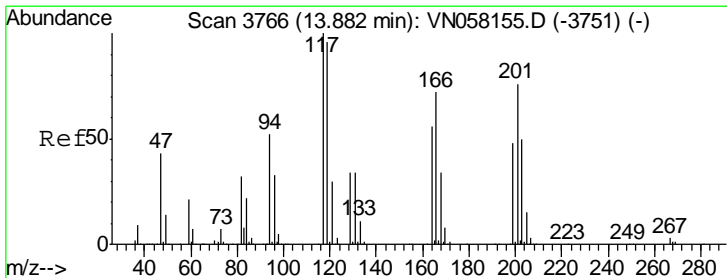
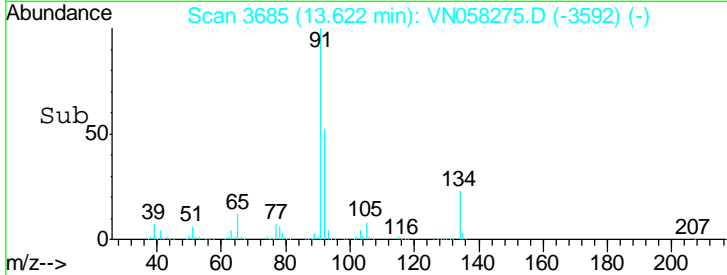
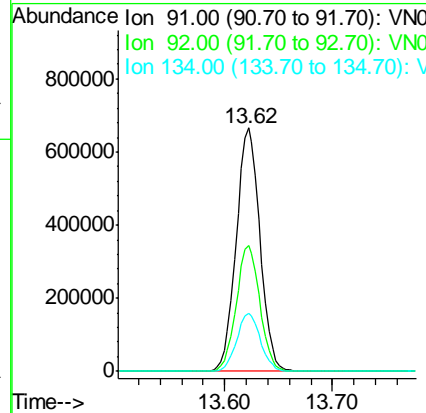
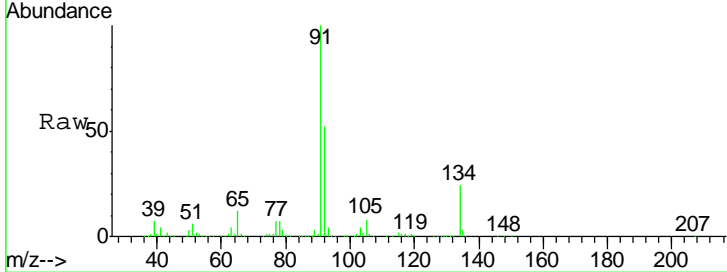
#89
 n-Butylbenzene
 Concen: 53.568 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 91 Resp: 1022443

Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.0
134	24.0	11.8	35.4

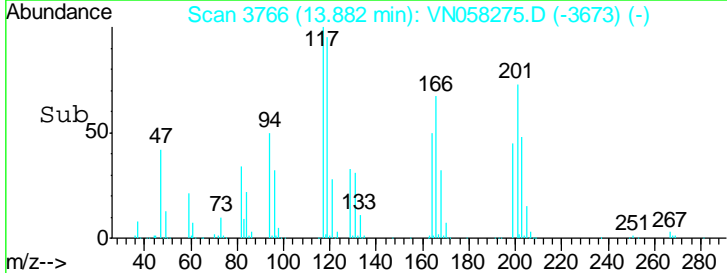
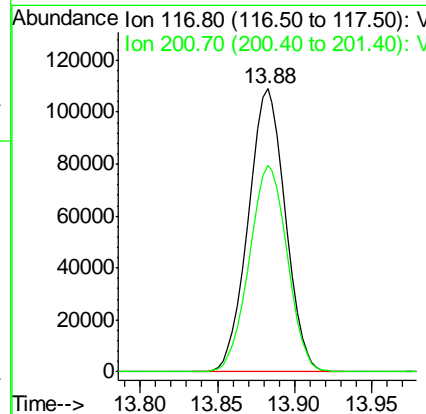
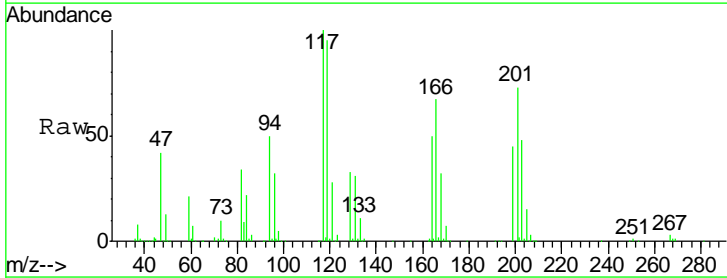
Manual Integrations
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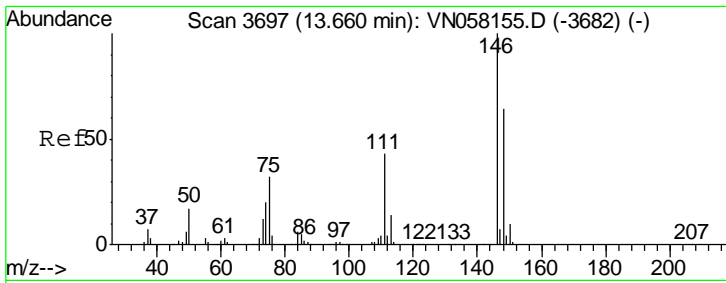


#90
 Hexachloroethane
 Concen: 51.476 ug/l
 RT: 13.88 min Scan# 3766
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 117 Resp: 182037

Ion	Ratio	Lower	Upper
117	100		
201	74.7	37.5	112.5



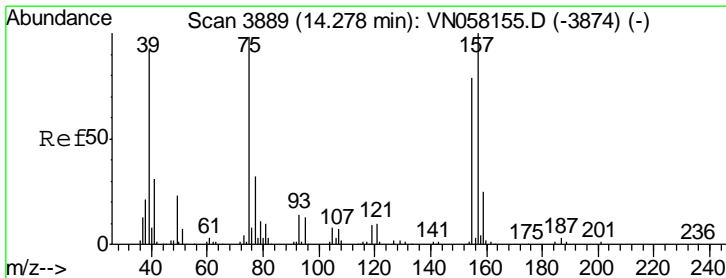
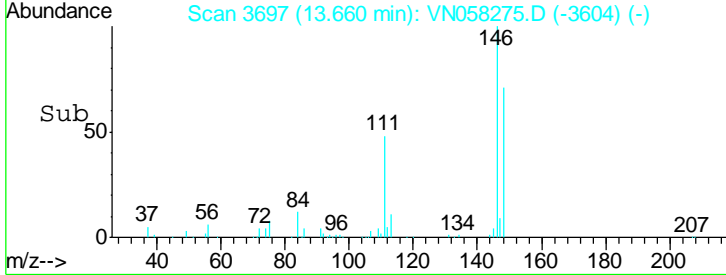
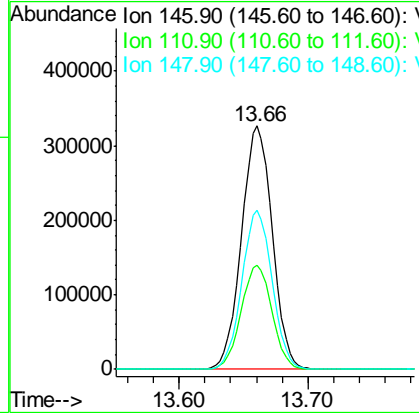
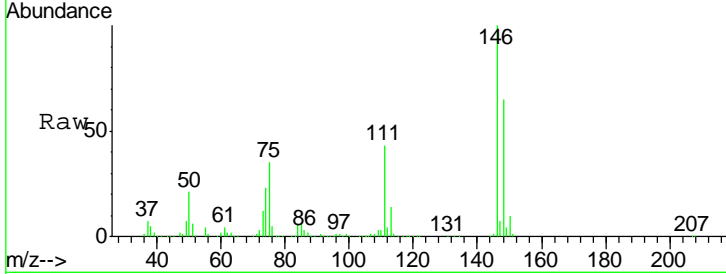


#91
 1,2-Dichlorobenzene
 Concen: 51.351 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

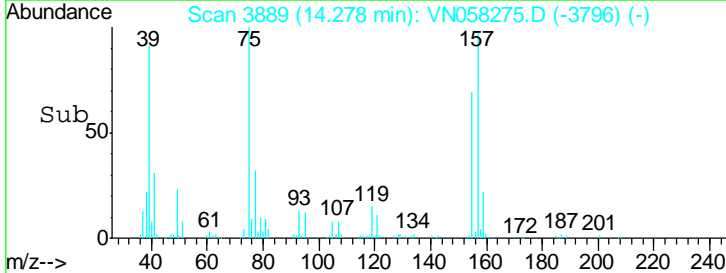
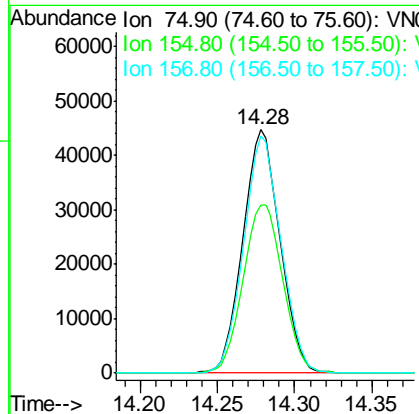
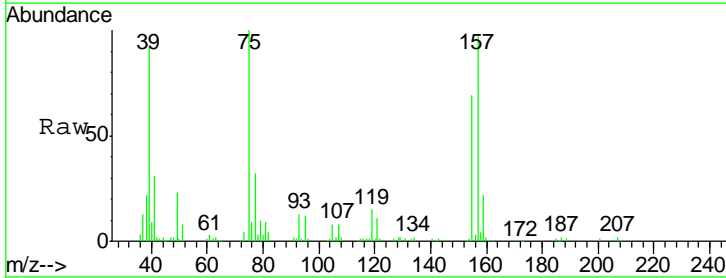
Tgt Ion	Resp	Lower	Upper
146	543463		
146	100		
111	42.8	21.1	63.1
148	64.3	31.8	95.4

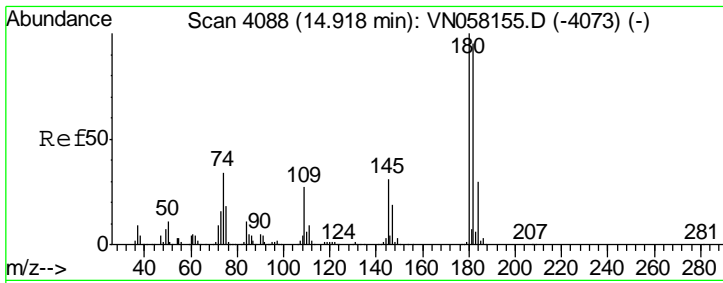
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.925 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

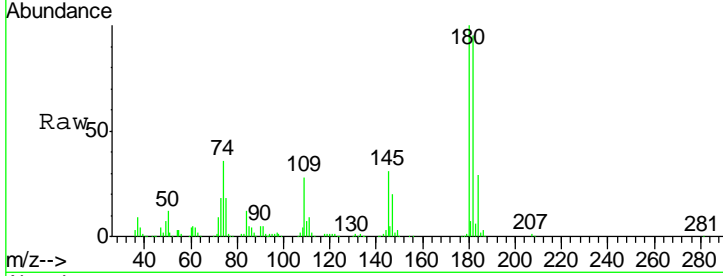
Tgt Ion	Resp	Lower	Upper
75	74657		
75	100		
155	73.9	38.3	114.8
157	97.9	48.0	144.0





#93
 1,2,4-Trichlorobenzene
 Concen: 50.142 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

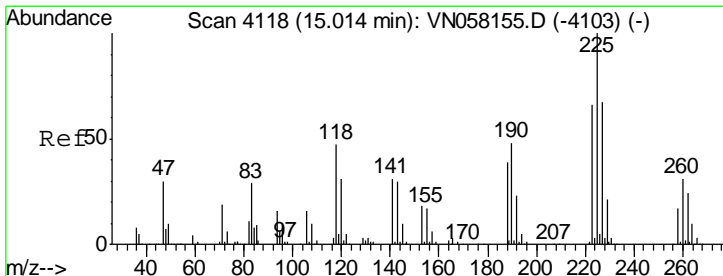
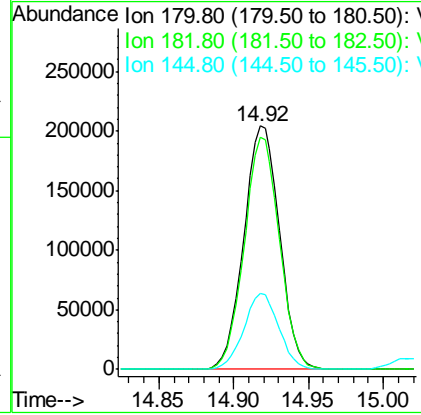
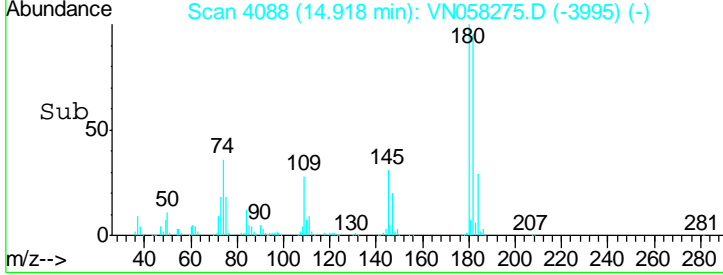
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



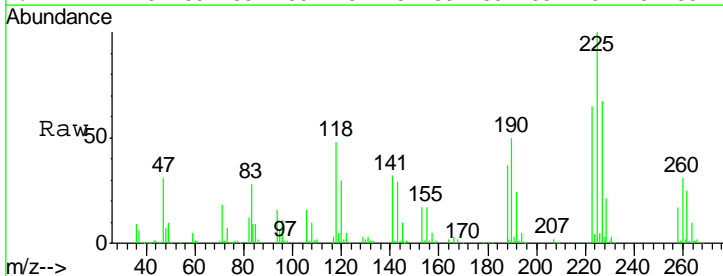
Tgt Ion: 180 Resp: 339058

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	30.4	15.4	46.4

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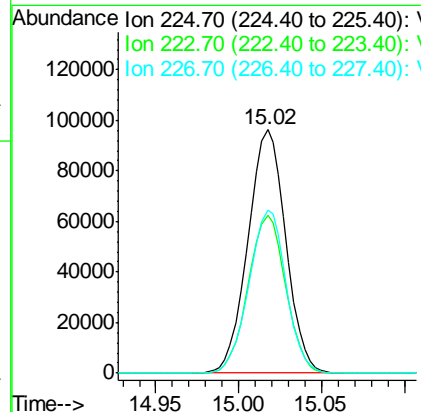
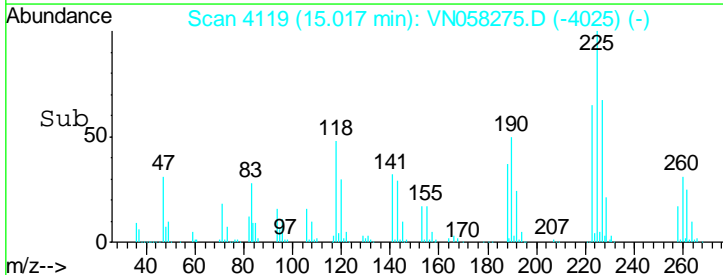


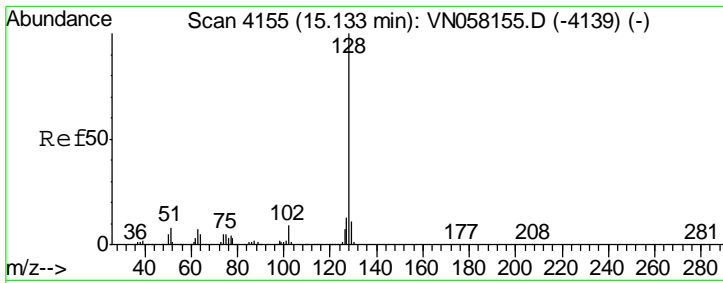
#94
 Hexachlorobutadiene
 Concen: 46.557 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42



Tgt Ion: 225 Resp: 152163

Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.6	97.7
227	65.9	33.0	99.0



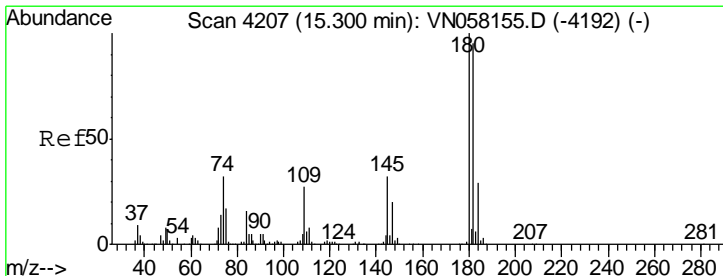
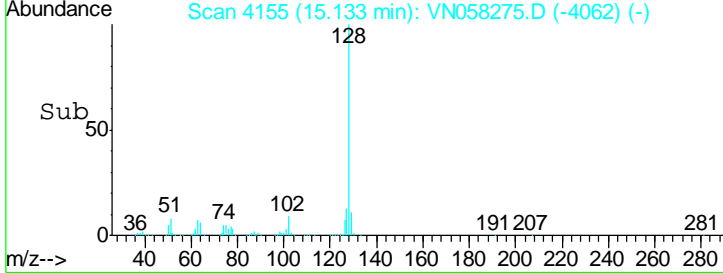
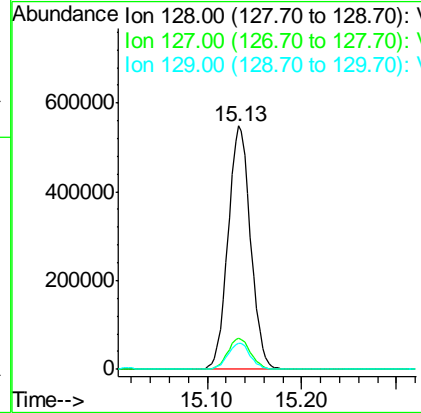
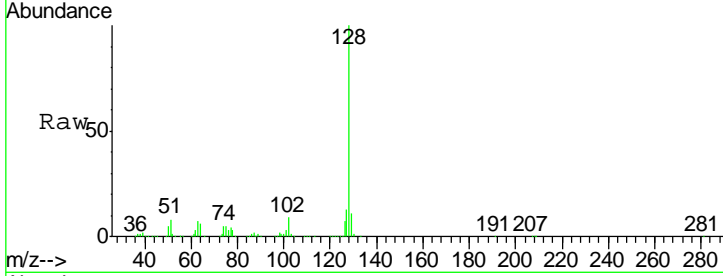


#95
 Naphthalene
 Concen: 51.634 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

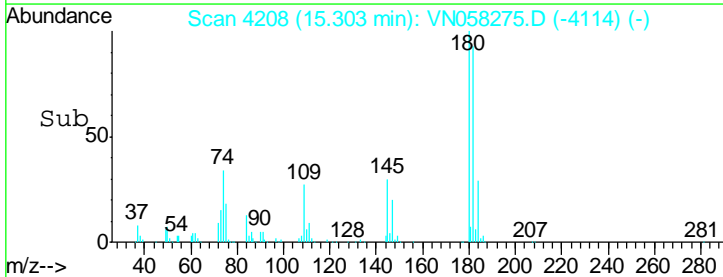
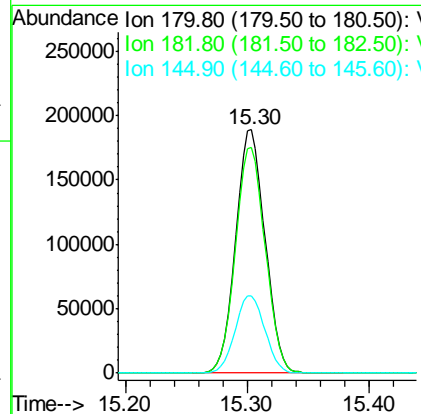
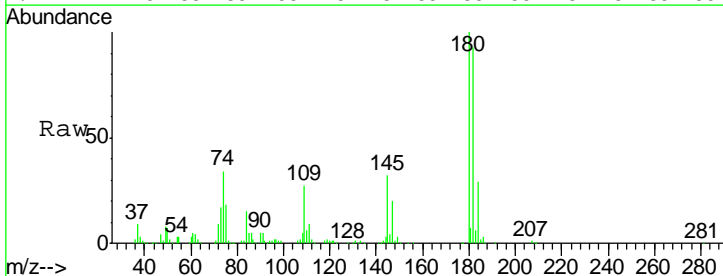
Tgt Ion	Resp	Lower	Upper
128	904845		
127	12.9	10.2	15.2
129	10.7	8.6	12.8

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#96
 1,2,3-Trichlorobenzene
 Concen: 49.428 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Resp	Lower	Upper
180	315907		
182	94.3	47.4	142.2
145	32.2	16.1	48.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	73	0.00
2 T	Dichlorodifluoromethane	50.000	44.329	11.3	70	0.00
3 P	Chloromethane	50.000	49.287	1.4	75	0.00
4 C	Vinyl Chloride	50.000	47.978	4.0#	71	0.00
5 T	Bromomethane	50.000	50.987	-2.0	77	0.00
6 T	Chloroethane	50.000	51.642	-3.3	75	0.00
7 T	Trichlorofluoromethane	50.000	44.927	10.1	74	0.00
8 T	Diethyl Ether	50.000	46.003	8.0	71	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.506	5.0	76	0.00
10 T	Methyl Iodide	50.000	46.938	6.1	71	0.00
11 T	Tert butyl alcohol	250.000	236.546	5.4	70	0.00
12 CM	1,1-Dichloroethene	50.000	49.170	1.7#	74	0.00
13 T	Acrolein	250.000	322.502	-29.0#	93	0.00
14 T	Allyl chloride	50.000	44.209	11.6	69	0.00
15 T	Acrylonitrile	250.000	261.050	-4.4	77	0.00
16 T	Acetone	250.000	294.684	-17.9	94	0.00
17 T	Carbon Disulfide	50.000	47.259	5.5	75	0.00
18 T	Methyl Acetate	50.000	49.130	1.7	78	0.00
19 T	Methyl tert-butyl Ether	50.000	50.269	-0.5	76	0.00
20 T	Methylene Chloride	50.000	51.457	-2.9	78	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.176	1.6	74	0.00
22 T	Diisopropyl ether	50.000	51.367	-2.7	77	0.00
23 T	Vinyl Acetate	250.000	271.001	-8.4	77	0.00
24 P	1,1-Dichloroethane	50.000	49.770	0.5	78	0.00
25 T	2-Butanone	250.000	279.944	-12.0	82	0.00
26 T	2,2-Dichloropropane	50.000	49.821	0.4	78	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.962	2.1	75	0.00
28 T	Bromochloromethane	50.000	53.873	-7.7	77	0.00
29 T	Tetrahydrofuran	250.000	245.919	1.6	75	0.00
30 C	Chloroform	50.000	49.862	0.3#	78	0.00
31 T	Cyclohexane	50.000	48.475	3.0	72	0.00
32 T	1,1,1-Trichloroethane	50.000	50.831	-1.7	75	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.094	-4.2	75	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	74	0.00
35 S	Dibromofluoromethane	50.000	50.327	-0.7	72	0.00
36 T	1,1-Dichloropropene	50.000	45.554	8.9	74	0.00
37 T	Ethyl Acetate	50.000	50.707	-1.4	76	0.00
38 T	Carbon Tetrachloride	50.000	49.185	1.6	77	0.00
39 T	Methylcyclohexane	50.000	47.329	5.3	72	0.00
40 TM	Benzene	50.000	48.207	3.6	75	0.00
41 T	Methacrylonitrile	50.000	55.980	-12.0	83	0.00
42 TM	1,2-Dichloroethane	50.000	49.452	1.1	77	0.00
43 T	Isopropyl Acetate	50.000	48.329	3.3	75	0.00
44 TM	Trichloroethene	50.000	48.365	3.3	75	0.00
45 C	1,2-Dichloropropane	50.000	50.903	-1.8#	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	49.451	1.1	75	0.00
47 T	Bromodichloromethane	50.000	53.721	-7.4	78	0.00
48 T	Methyl methacrylate	50.000	52.039	-4.1	76	0.00
49 T	1,4-Dioxane	1000.000	1054.169	-5.4	75	0.00
50 S	Toluene-d8	50.000	51.314	-2.6	72	0.00
51 T	4-Methyl-2-Pentanone	250.000	286.370	-14.5	78	0.00
52 CM	Toluene	50.000	49.074	1.9#	75	0.00
53 T	t-1,3-Dichloropropene	50.000	54.846	-9.7	78	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.569	-5.1	76	0.00
55 T	1,1,2-Trichloroethane	50.000	52.155	-4.3	78	0.00
56 T	Ethyl methacrylate	50.000	54.028	-8.1	76	0.00
57 T	1,3-Dichloropropane	50.000	50.952	-1.9	76	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	280.454	-12.2	75	0.00
59 T	2-Hexanone	250.000	300.776	-20.3	83	0.00
60 T	Dibromochloromethane	50.000	56.910	-13.8	79	0.00
61 T	1,2-Dibromoethane	50.000	51.103	-2.2	76	0.00
62 S	4-Bromofluorobenzene	50.000	51.862	-3.7	74	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64 T	Tetrachloroethene	50.000	45.591	8.8	73	0.00
65 PM	Chlorobenzene	50.000	48.950	2.1	76	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.213	-6.4	78	0.00
67 C	Ethyl Benzene	50.000	51.422	-2.8#	76	0.00
68 T	m/p-Xylenes	100.000	99.910	0.1	76	0.00
69 T	o-Xylene	50.000	51.075	-2.2	77	0.00
70 T	Styrene	50.000	53.505	-7.0	78	0.00
71 P	Bromoform	50.000	49.720	0.6	81	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	74	0.00
73 T	Isopropylbenzene	50.000	52.146	-4.3	77	0.00
74 T	N-amyl acetate	50.000	54.467	-8.9	77	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.874	-3.7	78	0.00
76 T	1,2,3-Trichloropropane	50.000	51.172	-2.3	79	0.00
77 T	Bromobenzene	50.000	48.862	2.3	77	0.00
78 T	n-propylbenzene	50.000	54.490	-9.0	79	0.00
79 T	2-Chlorotoluene	50.000	52.310	-4.6	79	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.813	-5.6	76	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.792	2.4	78	0.00
82 T	4-Chlorotoluene	50.000	51.702	-3.4	77	0.00
83 T	tert-Butylbenzene	50.000	51.604	-3.2	76	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.238	-8.5	78	0.00
85 T	sec-Butylbenzene	50.000	54.409	-8.8	77	0.00
86 T	p-Isopropyltoluene	50.000	54.930	-9.9	77	0.00
87 T	1,3-Dichlorobenzene	50.000	51.568	-3.1	77	0.00
88 T	1,4-Dichlorobenzene	50.000	50.627	-1.3	76	0.00
89 T	n-Butylbenzene	50.000	53.568	-7.1	75	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	51.476	-3.0	81	0.00
91 T	1,2-Dichlorobenzene	50.000	51.351	-2.7	76	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.925	-7.8	78	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.142	-0.3	73	0.00
94 T	Hexachlorobutadiene	50.000	46.557	6.9	70	0.00
95 T	Naphthalene	50.000	51.634	-3.3	70	0.00
96 T	1,2,3-Trichlorobenzene	50.000	49.428	1.1	71	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	73	0.00
2 T	Dichlorodifluoromethane	0.411	0.364	11.4	70	0.00
3 P	Chloromethane	0.383	0.312	18.5	75	0.00
4 C	Vinyl Chloride	0.398	0.332	16.6#	71	0.00
5 T	Bromomethane	0.197	0.187	5.1	77	0.00
6 T	Chloroethane	0.263	0.229	12.9	75	0.00
7 T	Trichlorofluoromethane	0.561	0.504	10.2	74	0.00
8 T	Diethyl Ether	0.257	0.236	8.2	71	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.404	0.384	5.0	76	0.00
10 T	Methyl Iodide	0.339	0.318	6.2	71	0.00
11 T	Tert butyl alcohol	0.083	0.078	6.0	70	0.00
12 CM	1,1-Dichloroethene	0.342	0.302	11.7#	74	0.00
13 T	Acrolein	0.012	0.016	-33.3#	93	0.00
14 T	Allyl chloride	0.661	0.585	11.5	69	0.00
15 T	Acrylonitrile	0.221	0.230	-4.1	77	0.00
16 T	Acetone	0.236	0.279	-18.2	94	0.00
17 T	Carbon Disulfide	0.526	0.408	22.4	75	0.00
18 T	Methyl Acetate	0.622	0.611	1.8	78	0.00
19 T	Methyl tert-butyl Ether	1.525	1.533	-0.5	76	0.00
20 T	Methylene Chloride	0.460	0.426	7.4	78	0.00
21 T	trans-1,2-Dichloroethene	0.371	0.329	11.3	74	0.00
22 T	Diisopropyl ether	1.680	1.726	-2.7	77	0.00
23 T	Vinyl Acetate	1.150	1.246	-8.3	77	0.00
24 P	1,1-Dichloroethane	0.897	0.893	0.4	78	0.00
25 T	2-Butanone	0.322	0.361	-12.1	82	0.00
26 T	2,2-Dichloropropane	0.761	0.758	0.4	78	0.00
27 T	cis-1,2-Dichloroethene	0.507	0.497	2.0	75	0.00
28 T	Bromochloromethane	0.424	0.457	-7.8	77	0.00
29 T	Tetrahydrofuran	0.198	0.195	1.5	75	0.00
30 C	Chloroform	0.965	0.963	0.2#	78	0.00
31 T	Cyclohexane	0.664	0.563	15.2	72	0.00
32 T	1,1,1-Trichloroethane	0.735	0.747	-1.6	75	0.00
33 S	1,2-Dichloroethane-d4	0.696	0.726	-4.3	75	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	74	0.00
35 S	Dibromofluoromethane	0.304	0.306	-0.7	72	0.00
36 T	1,1-Dichloropropene	0.361	0.329	8.9	74	0.00
37 T	Ethyl Acetate	0.374	0.379	-1.3	76	0.00
38 T	Carbon Tetrachloride	0.362	0.357	1.4	77	0.00
39 T	Methylcyclohexane	0.380	0.330	13.2	72	0.00
40 TM	Benzene	1.101	1.062	3.5	75	0.00
41 T	Methacrylonitrile	0.181	0.211	-16.6	83	0.00
42 TM	1,2-Dichloroethane	0.462	0.457	1.1	77	0.00
43 T	Isopropyl Acetate	0.699	0.675	3.4	75	0.00
44 TM	Trichloroethene	0.270	0.261	3.3	75	0.00
45 C	1,2-Dichloropropane	0.329	0.335	-1.8#	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.200	0.198	1.0	75	0.00
47 T	Bromodichloromethane	0.419	0.450	-7.4	78	0.00
48 T	Methyl methacrylate	0.317	0.330	-4.1	76	0.00
49 T	1,4-Dioxane	0.005	0.005	0.0	75	0.00
50 S	Toluene-d8	1.184	1.215	-2.6	72	0.00
51 T	4-Methyl-2-Pentanone	0.371	0.425	-14.6	78	0.00
52 CM	Toluene	0.690	0.677	1.9#	75	0.00
53 T	t-1,3-Dichloropropene	0.429	0.471	-9.8	78	0.00
54 T	cis-1,3-Dichloropropene	0.474	0.498	-5.1	76	0.00
55 T	1,1,2-Trichloroethane	0.306	0.319	-4.2	78	0.00
56 T	Ethyl methacrylate	0.442	0.478	-8.1	76	0.00
57 T	1,3-Dichloropropane	0.527	0.537	-1.9	76	0.00
58 T	2-Chloroethyl Vinyl ether	0.211	0.236	-11.8	75	0.00
59 T	2-Hexanone	0.276	0.332	-20.3	83	0.00
60 T	Dibromochloromethane	0.295	0.335	-13.6	79	0.00
61 T	1,2-Dibromoethane	0.284	0.290	-2.1	76	0.00
62 S	4-Bromofluorobenzene	0.440	0.456	-3.6	74	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64 T	Tetrachloroethene	0.244	0.222	9.0	73	0.00
65 PM	Chlorobenzene	0.879	0.861	2.0	76	0.00
66 T	1,1,1,2-Tetrachloroethane	0.319	0.339	-6.3	78	0.00
67 C	Ethyl Benzene	1.507	1.550	-2.9#	76	0.00
68 T	m/p-Xylenes	0.568	0.567	0.2	76	0.00
69 T	o-Xylene	0.558	0.570	-2.2	77	0.00
70 T	Styrene	0.962	1.029	-7.0	78	0.00
71 P	Bromoform	0.203	0.235	-15.8	81	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	0.00
73 T	Isopropylbenzene	3.130	3.264	-4.3	77	0.00
74 T	N-amyl acetate	1.309	1.426	-8.9	77	0.00
75 P	1,1,2,2-Tetrachloroethane	1.048	1.087	-3.7	78	0.00
76 T	1,2,3-Trichloropropane	0.895	0.916	-2.3	79	0.00
77 T	Bromobenzene	0.787	0.769	2.3	77	0.00
78 T	n-propylbenzene	3.556	3.876	-9.0	79	0.00
79 T	2-Chlorotoluene	2.223	2.325	-4.6	79	0.00
80 T	1,3,5-Trimethylbenzene	2.647	2.795	-5.6	76	0.00
81 T	trans-1,4-Dichloro-2-butene	0.271	0.292	-7.7	78	0.00
82 T	4-Chlorotoluene	2.336	2.416	-3.4	77	0.00
83 T	tert-Butylbenzene	2.360	2.436	-3.2	76	0.00
84 T	1,2,4-Trimethylbenzene	2.634	2.857	-8.5	78	0.00
85 T	sec-Butylbenzene	3.086	3.358	-8.8	77	0.00
86 T	p-Isopropyltoluene	2.744	3.014	-9.8	77	0.00
87 T	1,3-Dichlorobenzene	1.438	1.483	-3.1	77	0.00
88 T	1,4-Dichlorobenzene	1.468	1.486	-1.2	76	0.00
89 T	n-Butylbenzene	2.601	2.787	-7.2	75	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 23 13:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T Hexachloroethane	0.426	0.496	-16.4	81	0.00
91 T 1,2-Dichlorobenzene	1.442	1.481	-2.7	76	0.00
92 T 1,2-Dibromo-3-Chloropropane	0.189	0.203	-7.4	78	0.00
93 T 1,2,4-Trichlorobenzene	0.922	0.924	-0.2	73	0.00
94 T Hexachlorobutadiene	0.445	0.415	6.7	70	0.00
95 T Naphthalene	2.388	2.466	-3.3	70	0.00
96 T 1,2,3-Trichlorobenzene	0.871	0.861	1.1	71	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG No.: K4939
 Instrument ID: MSVOA_W Calibration Date/Time: 09/20/2019 21:52
 Lab File ID: VW013197.D Init. Calib. Date(s): 09/20/2019 09/20/2019
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:43 14:53
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.288	0.250		-13.19	20
Chloromethane	0.371	0.337	0.1	-9.16	20
Vinyl Chloride	0.478	0.447		-6.49	20
Bromomethane	0.303	0.287		-5.28	20
Chloroethane	0.282	0.262		-7.09	20
Trichlorofluoromethane	0.276	0.247		-10.51	20
1,1,2-Trichlorotrifluoroethane	0.449	0.441		-1.78	20
1,1-Dichloroethene	0.465	0.446		-4.09	20
Acetone	0.092	0.093		1.09	20
Carbon Disulfide	1.343	1.307		-2.68	20
Methyl tert-butyl Ether	0.712	0.736		3.37	20
Methyl Acetate	0.259	0.284		9.65	20
Methylene Chloride	0.521	0.459		-11.9	20
trans-1,2-Dichloroethene	0.502	0.488		-2.79	20
1,1-Dichloroethane	0.849	0.821	0.1	-3.3	20
Cyclohexane	0.885	0.837		-5.42	20
2-Butanone	0.138	0.148		7.25	20
Carbon Tetrachloride	0.434	0.438		0.92	20
cis-1,2-Dichloroethene	0.530	0.510		-3.77	20
Bromochloromethane	0.326	0.362		11.04	20
Chloroform	0.831	0.798		-3.97	20
1,1,1-Trichloroethane	0.673	0.657		-2.38	20
Methylcyclohexane	0.622	0.626		0.64	20
Benzene	1.351	1.344		-0.52	20
1,2-Dichloroethane	0.363	0.365		0.55	20
Trichloroethene	0.379	0.371		-2.11	20
1,2-Dichloropropane	0.330	0.331		0.3	20
Bromodichloromethane	0.407	0.404		-0.74	20
4-Methyl-2-Pentanone	0.198	0.225		13.64	20
Toluene	0.866	0.857		-1.04	20
t-1,3-Dichloropropene	0.419	0.429		2.39	20
cis-1,3-Dichloropropene	0.509	0.509		0	20
1,1,2-Trichloroethane	0.239	0.240		0.42	20
2-Hexanone	0.136	0.154		13.23	20
Dibromochloromethane	0.272	0.281		3.31	20
1,2-Dibromoethane	0.228	0.239		4.82	20
Tetrachloroethene	0.379	0.385		1.58	20
Chlorobenzene	1.044	1.024	0.3	-1.92	20
Ethyl Benzene	1.892	1.918		1.37	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K4939 SAS No.: K4939 SDG No.: K4939
 Instrument ID: MSVOA_W Calibration Date/Time: 09/20/2019 21:52
 Lab File ID: VW013197.D Init. Calib. Date(s): 09/20/2019 09/20/2019
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:43 14:53
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.721	0.730		1.25	20
o-Xylene	0.670	0.674		0.6	20
Styrene	1.151	1.173		1.91	20
Bromoform	0.188	0.209	0.1	11.17	20
Isopropylbenzene	3.694	3.670		-0.65	20
1,1,2,2-Tetrachloroethane	0.618	0.656	0.3	6.15	20
1,3-Dichlorobenzene	1.685	1.645		-2.37	20
1,4-Dichlorobenzene	1.652	1.622		-1.82	20
1,2-Dichlorobenzene	1.457	1.454		-0.21	20
1,2-Dibromo-3-Chloropropane	0.094	0.105		11.7	20
1,2,4-Trichlorobenzene	1.044	1.040		-0.38	20
1,2,3-Trichlorobenzene	0.902	0.913		1.22	20
1,2-Dichloroethane-d4	0.408	0.436		6.86	20
Dibromofluoromethane	0.275	0.292		6.18	20
Toluene-d8	1.151	1.231		6.95	20
4-Bromofluorobenzene	0.393	0.416		5.85	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:58 AM

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	211815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147189	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.88	113	140349	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.32	98	590890	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
62) 4-Bromofluorobenzene	12.62	95	199935	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	84147	43.259	ug/l	98
3) Chloromethane	2.21	50	113605	45.433	ug/l	100
4) Vinyl Chloride	2.35	62	150645	46.732	ug/l	100
5) Bromomethane	2.77	94	96635	47.304	ug/l	95
6) Chloroethane	2.92	64	88285	46.462	ug/l	98
7) Trichlorofluoromethane	3.25	101	83450	44.894	ug/l	97
8) Diethyl Ether	3.67	74	78331	49.335	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	148829	49.179	ug/l	98
10) Methyl Iodide	4.26	142	222201	47.358	ug/l	100
11) Tert butyl alcohol	5.18	59	56001	284.041	ug/l	98
12) 1,1-Dichloroethene	4.03	96	150310	47.964	ug/l	98
13) Acrolein	3.89	56	44650	281.829	ug/l	99
14) Allyl chloride	4.66	41	240592	48.240	ug/l	99
15) Acrylonitrile	5.36	53	188565	275.159	ug/l	99
16) Acetone	4.12	43	156463	252.097	ug/l	100
17) Carbon Disulfide	4.38	76	440801	48.665	ug/l	98
18) Methyl Acetate	4.67	43	95658	54.830	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	248212	51.680	ug/l	96
20) Methylene Chloride	4.91	84	154670	48.650	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	164708	48.628	ug/l	94
22) Diisopropyl ether	6.31	45	471637	49.729	ug/l	98
23) Vinyl Acetate	6.25	43	1470551	261.364	ug/l	100
24) 1,1-Dichloroethane	6.21	63	276757	48.359	ug/l	99
25) 2-Butanone	7.17	43	249846	268.164	ug/l	93
26) 2,2-Dichloropropane	7.16	77	163815	47.686	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	171895	48.090	ug/l	98
28) Bromochloromethane	7.51	49	122226	55.646	ug/l	99
29) Tetrahydrofuran	7.52	42	159583	279.297	ug/l	99
30) Chloroform	7.67	83	269106	48.029	ug/l	98
31) Cyclohexane	7.95	56	282142	47.295	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	221451	48.799	ug/l	99
36) 1,1-Dichloropropene	8.08	75	230311	49.521	ug/l	99
37) Ethyl Acetate	7.25	43	109415	55.355	ug/l	99
38) Carbon Tetrachloride	8.07	117	210532	50.498	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDCCC050

Manual Integrations
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 9/24/2019 5:28:58 AM

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	300793	50.327	ug/l	98
40) Benzene	8.32	78	645422	49.753	ug/l	99
41) Methacrylonitrile	7.48	41	59974	50.838	ug/l	91
42) 1,2-Dichloroethane	8.40	62	175393	50.295	ug/l	100
43) Isopropyl Acetate	8.42	43	208061	54.922	ug/l	98
44) Trichloroethene	9.09	130	178269	48.979	ug/l	100
45) 1,2-Dichloropropane	9.37	63	159006	50.205	ug/l	96
46) Dibromomethane	9.46	93	78052	50.761	ug/l	99
47) Bromodichloromethane	9.64	83	194086	49.606	ug/l	97
48) Methyl methacrylate	9.43	41	104347	58.577	ug/l	96
49) 1,4-Dioxane	9.46	88	27381	1186.307	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	539320	283.977	ug/l	99
52) Toluene	10.38	92	411428	49.486	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	205756	51.186	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	244490	50.023	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	115379	50.203	ug/l	99
56) Ethyl methacrylate	10.65	69	167400	55.655	ug/l	98
57) 1,3-Dichloropropane	10.93	76	206724	51.545	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	399446	286.866	ug/l	99
59) 2-Hexanone	10.96	43	369464	282.763	ug/l	99
60) Dibromochloromethane	11.13	129	135085	51.764	ug/l	100
61) 1,2-Dibromoethane	11.23	107	114631	52.459	ug/l	99
64) Tetrachloroethene	10.86	164	158982	50.717	ug/l	97
65) Chlorobenzene	11.66	112	422993	49.030	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	151516	51.407	ug/l	100
67) Ethyl Benzene	11.73	91	792511	50.699	ug/l	100
68) m/p-Xylenes	11.83	106	603456	101.308	ug/l	99
69) o-Xylene	12.16	106	278418	50.274	ug/l	98
70) Styrene	12.18	104	484537	50.963	ug/l	100
71) Bromoform	12.35	173	86232	55.380	ug/l #	97
73) Isopropylbenzene	12.46	105	777259	49.675	ug/l	100
74) N-amyl acetate	12.27	43	189538	54.590	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	138942	53.096	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	86236m	46.101	ug/l	
77) Bromobenzene	12.74	156	182452	49.206	ug/l	97
78) n-propylbenzene	12.80	91	915324	49.976	ug/l	100
79) 2-Chlorotoluene	12.89	91	506163	49.329	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	652529	49.611	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45305	54.346	ug/l	99
82) 4-Chlorotoluene	12.99	91	530813	49.056	ug/l	99
83) tert-Butylbenzene	13.21	119	577486	50.023	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	648757	49.568	ug/l	100
85) sec-Butylbenzene	13.38	105	791140	49.707	ug/l	100
86) p-Isopropyltoluene	13.49	119	741717	50.244	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	348514	48.838	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	343628	49.099	ug/l	99
89) n-Butylbenzene	13.82	91	683340	50.695	ug/l	99
90) Hexachloroethane	14.09	117	125038	50.420	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	308044	49.897	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22253	55.597	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	220273	49.792	ug/l	99
94) Hexachlorobutadiene	15.24	225	145711	48.144	ug/l	99
95) Naphthalene	15.36	128	403612	55.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	193341	50.579	ug/l	100

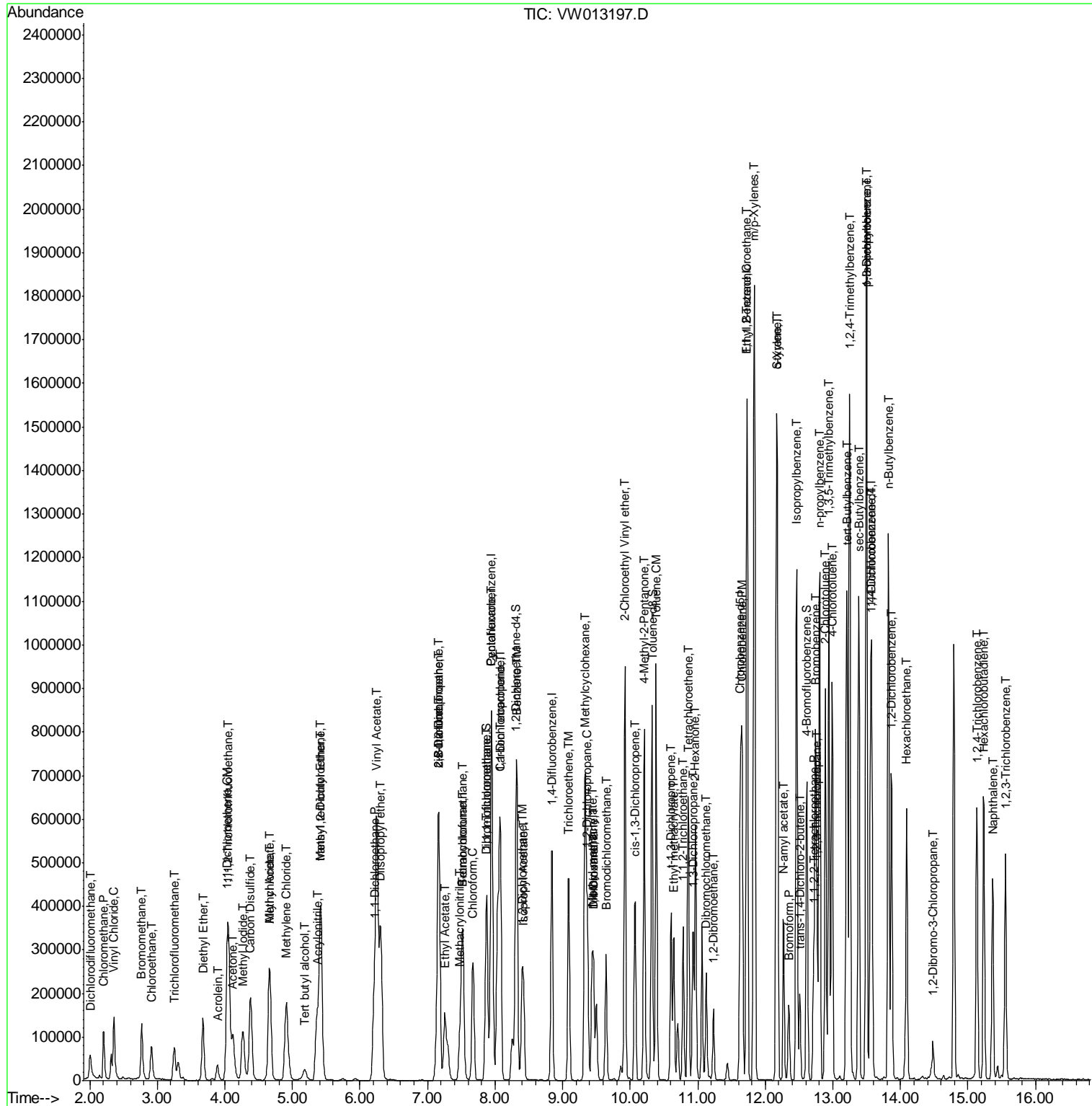
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

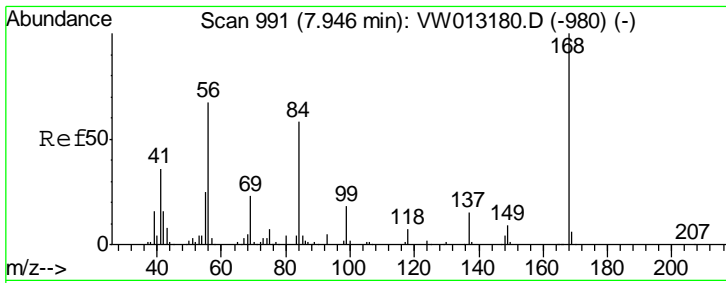
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDCCC050

Manual Integrations
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 9/24/2019 5:28:58 AM

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
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 Response via : Initial Calibration



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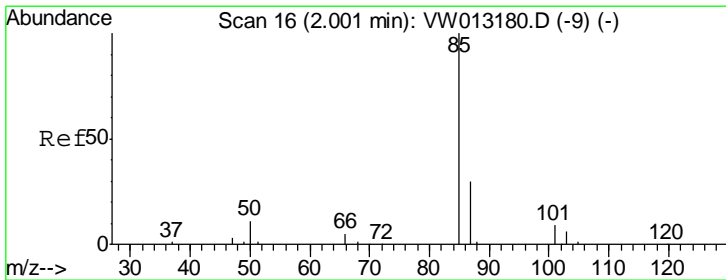
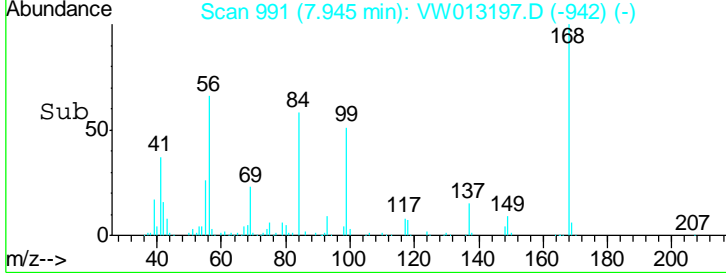
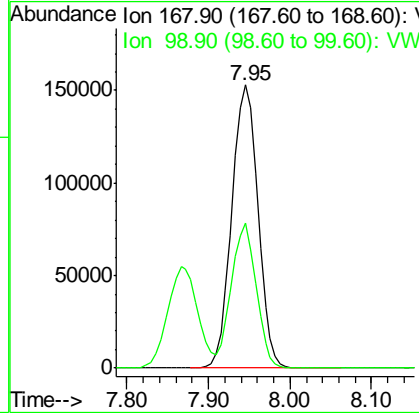
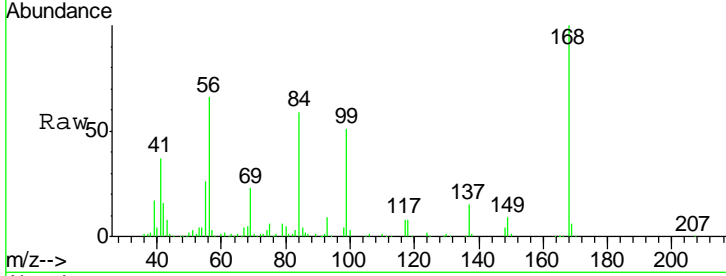


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
168	100		
99	51.2	40.2	60.4

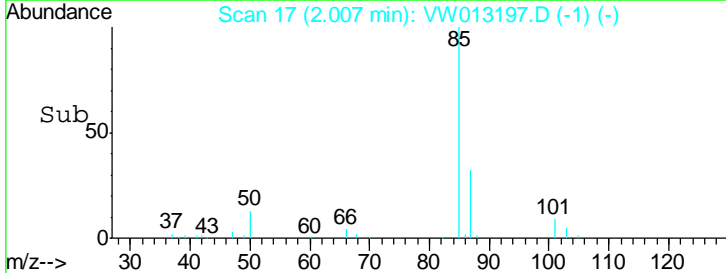
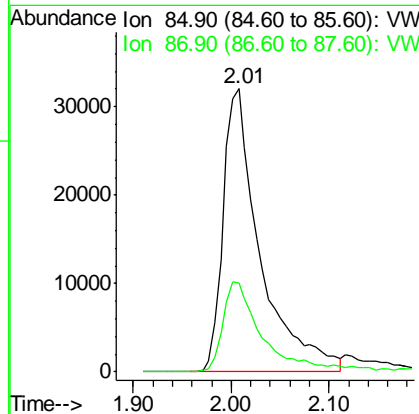
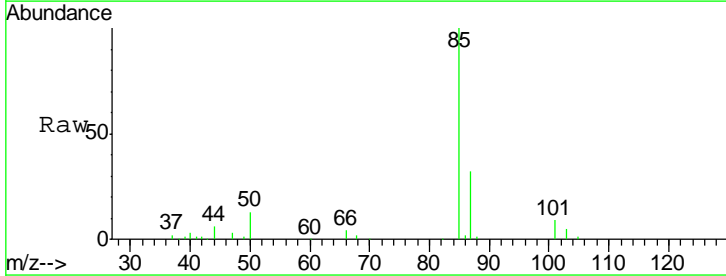
Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

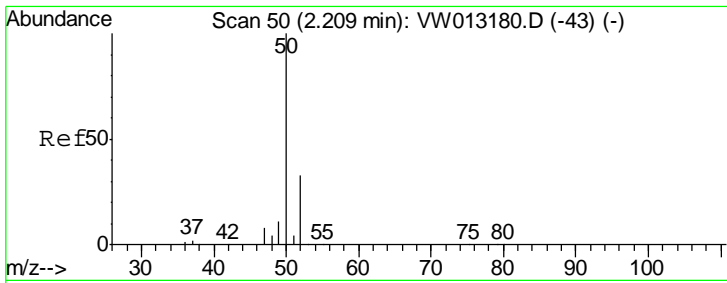
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#2
 Dichlorodifluoromethane
 Concen: 43.259 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.5	15.1	45.3



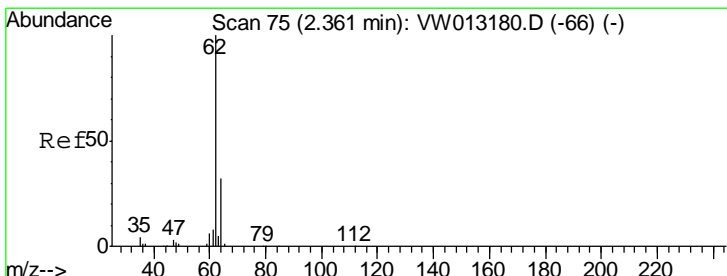
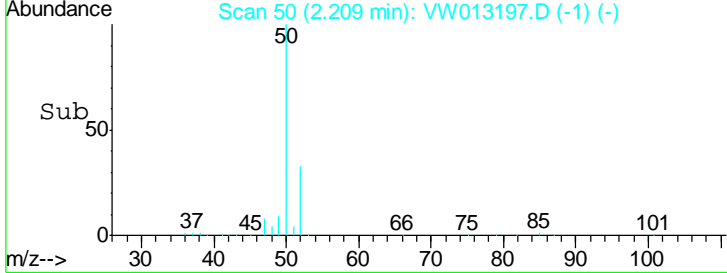
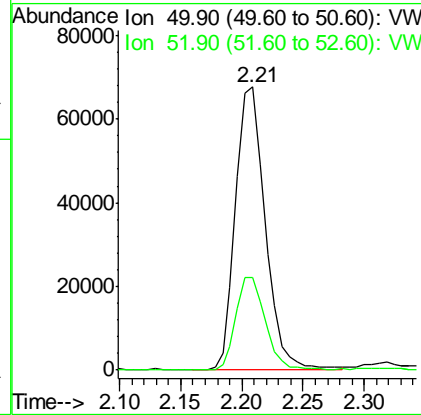
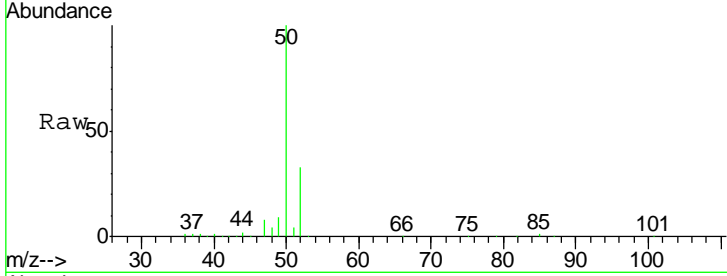


#3
 Chloromethane
 Concen: 45.433 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
50	113605		
52	32.7	26.1	39.1

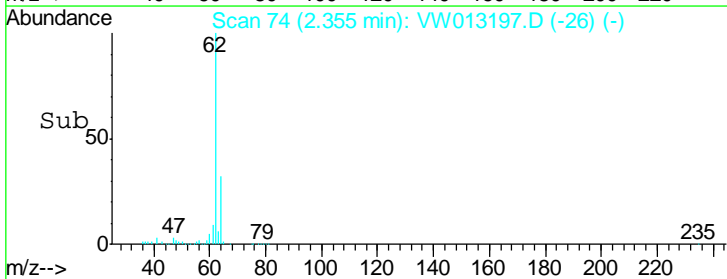
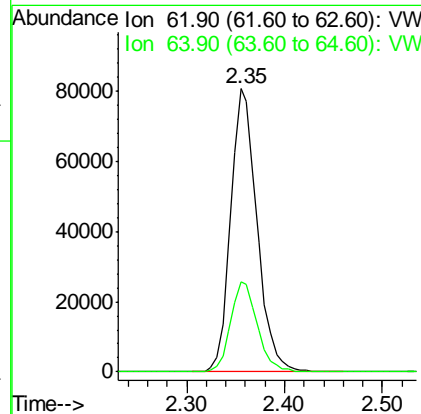
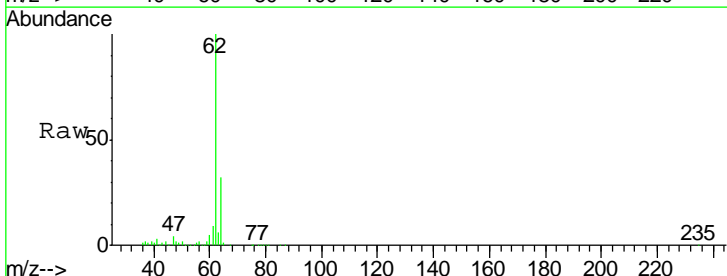
Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

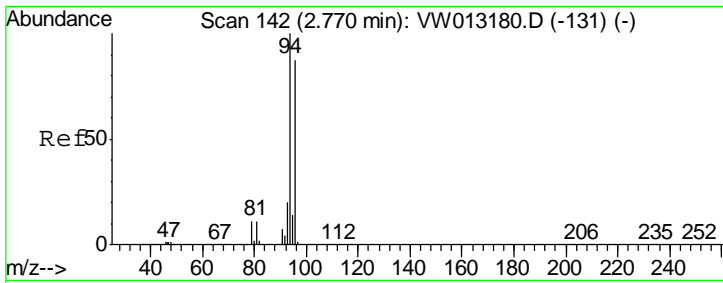
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#4
 Vinyl Chloride
 Concen: 46.732 ug/l
 RT: 2.35 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
62	150645		
64	31.8	25.3	37.9



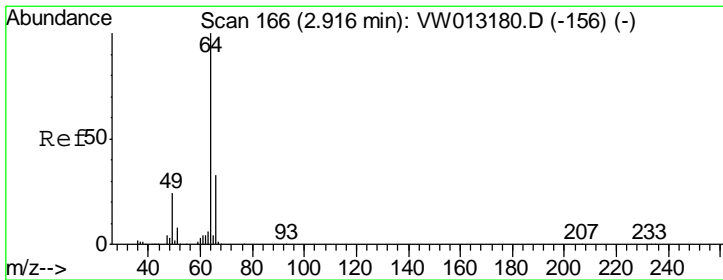
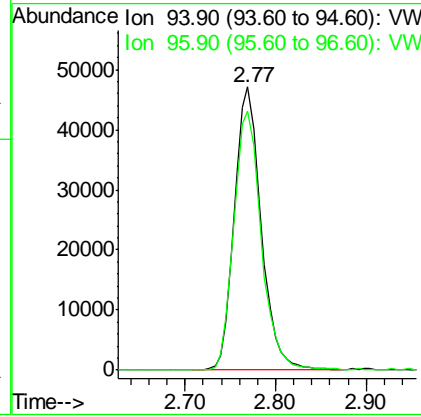
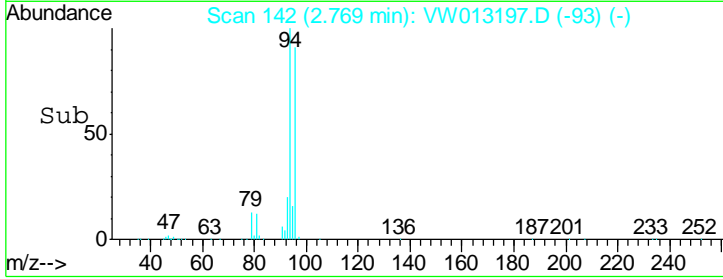
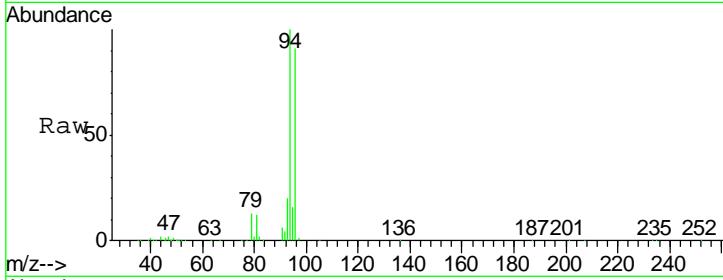


#5
 Bromomethane
 Concen: 47.304 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
94	100		
96	91.4	69.7	104.5

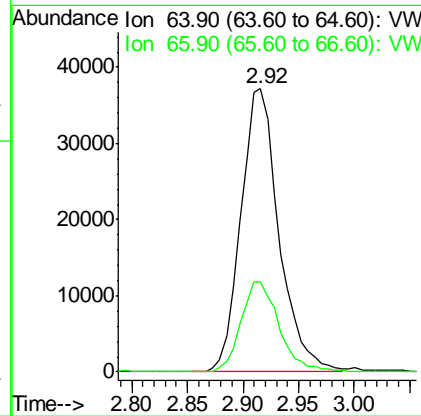
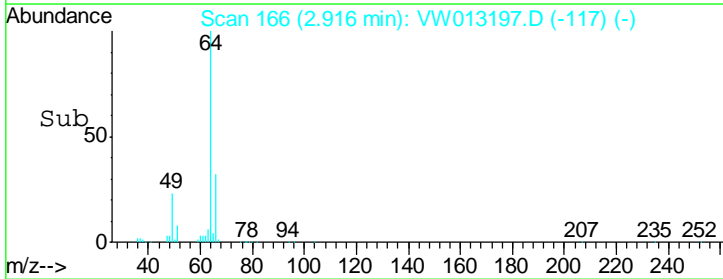
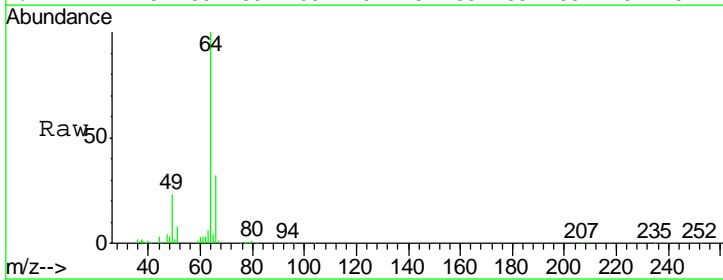
Instrument : MSVOA_W
 Client Sampled : VSTDCCC050

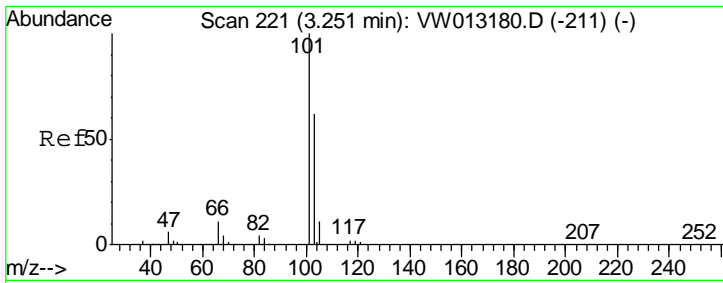
Manual Integrations APPROVED
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 9/24/2019 5:28:58 AM



#6
 Chloroethane
 Concen: 46.462 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.9	26.6	39.8



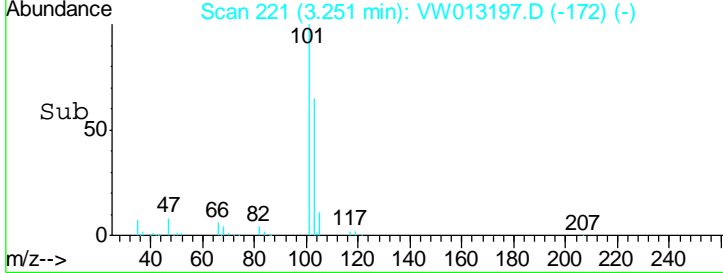
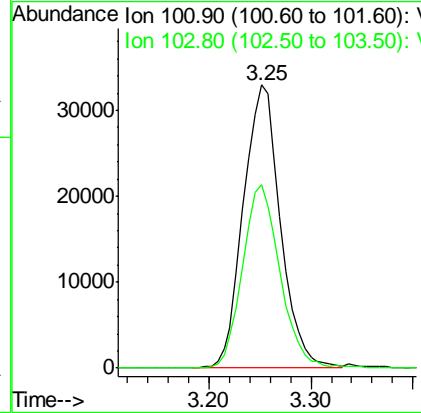
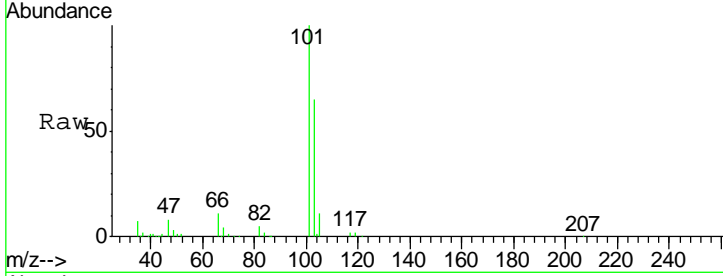


#7
 Trichlorofluoromethane
 Concen: 44.894 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
101	100		
103	64.7	49.7	74.5

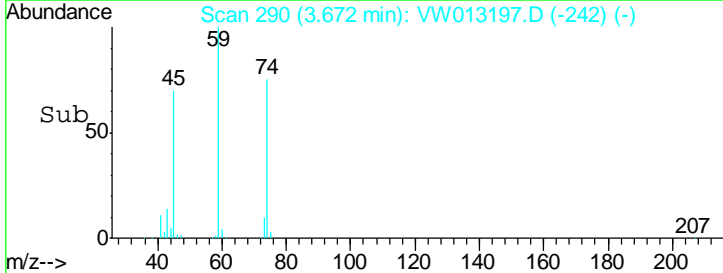
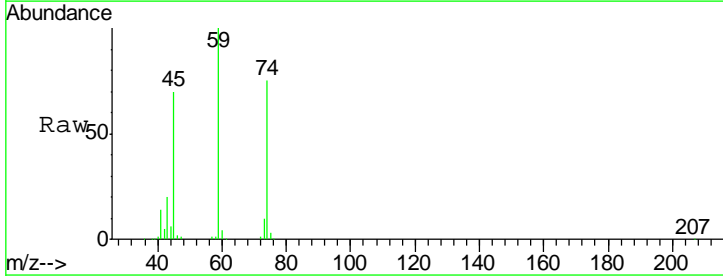
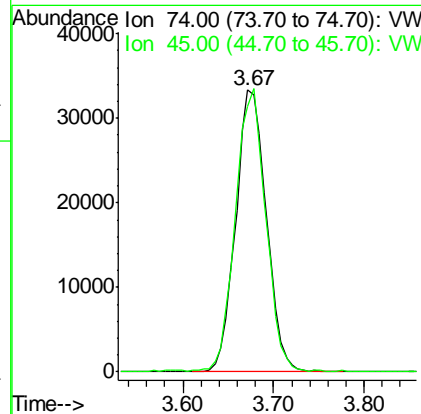
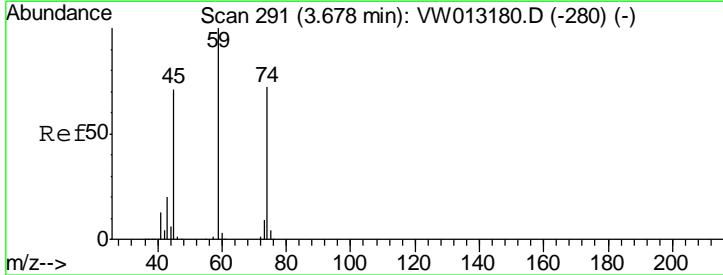
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 ClientSampleId : VSTDCCC050

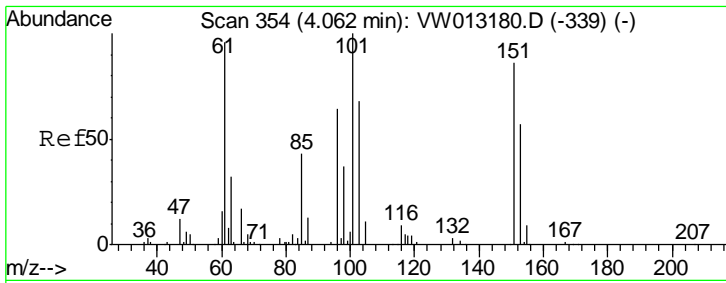
Manual Integrations APPROVED
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#8
 Diethyl Ether
 Concen: 49.335 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

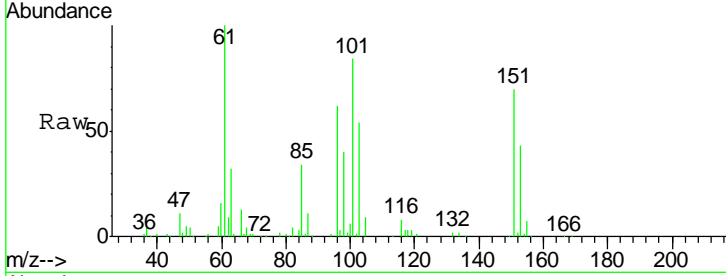
Tgt Ion	Resp	Lower	Upper
74	100		
45	99.7	49.5	148.7





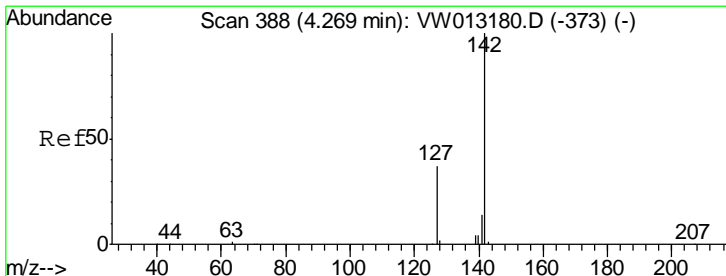
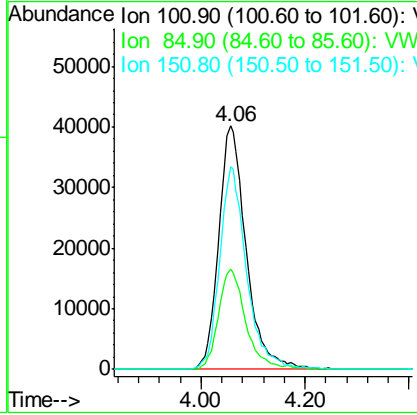
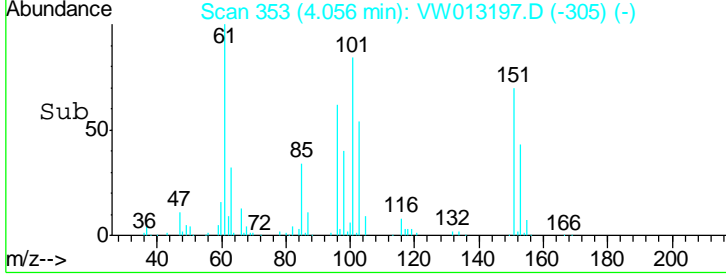
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.179 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

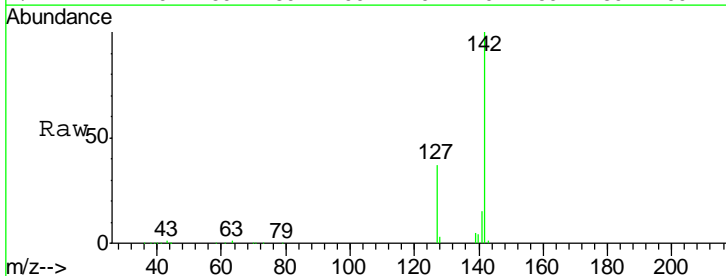


Tgt Ion	Resp	Lower	Upper
101	148829		
101	100		
85	41.0	33.4	50.0
151	81.2	66.9	100.3

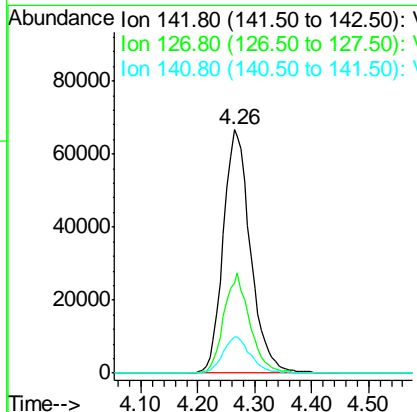
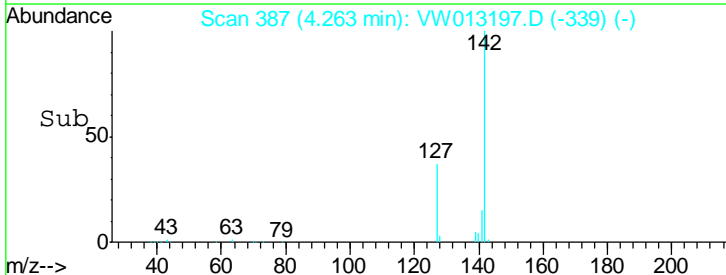
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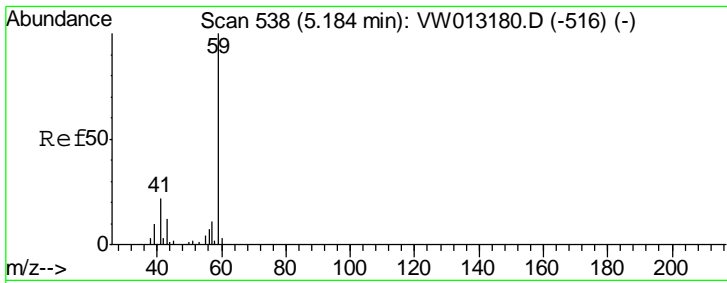


#10
 Methyl Iodide
 Concen: 47.358 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52



Tgt Ion	Resp	Lower	Upper
142	222201		
142	100		
127	38.8	30.9	46.3
141	14.7	11.7	17.5



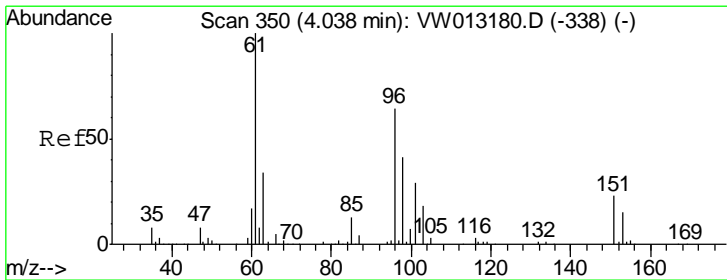
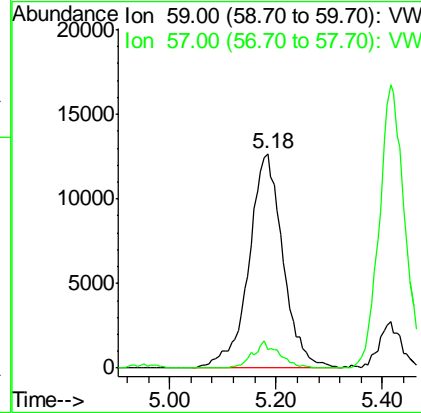
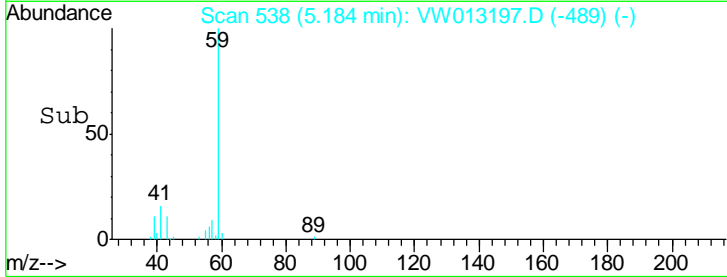
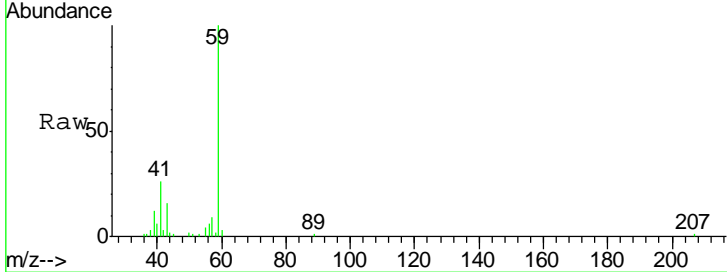


#11
 Tert butyl alcohol
 Concen: 284.041 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.6	8.2	12.2

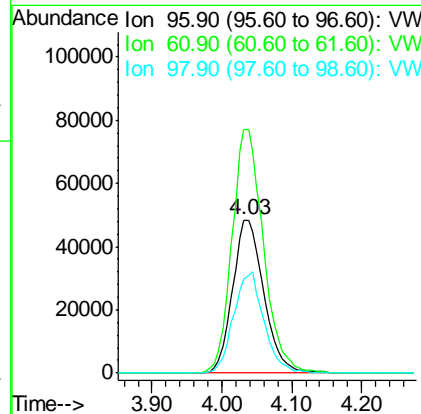
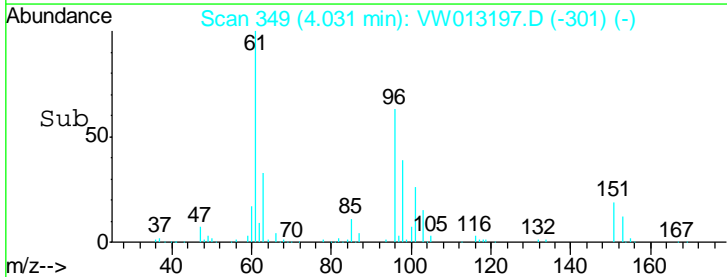
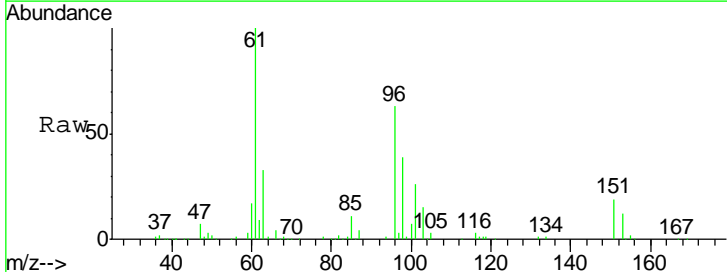
Instrument : MSVOA_W
 ClientSampled : VSTDC050

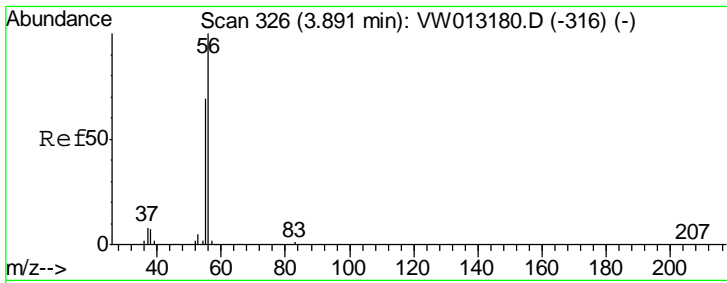
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#12
 1,1-Dichloroethene
 Concen: 47.964 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
96	100		
61	159.4	125.1	187.7
98	61.6	50.8	76.2



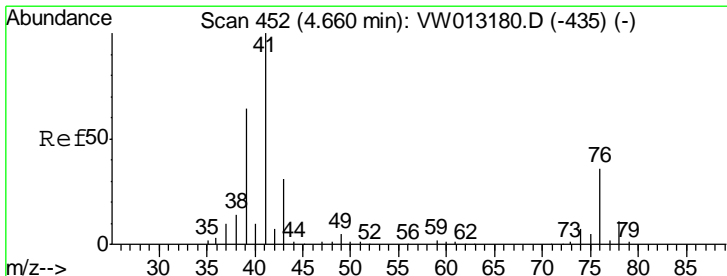
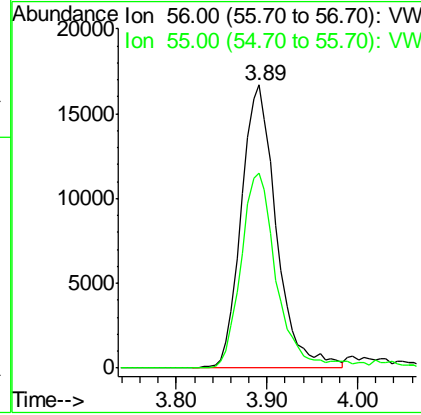
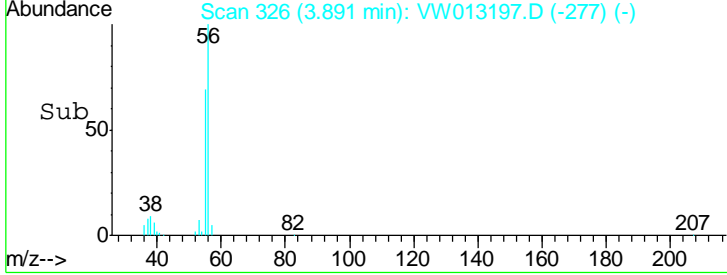
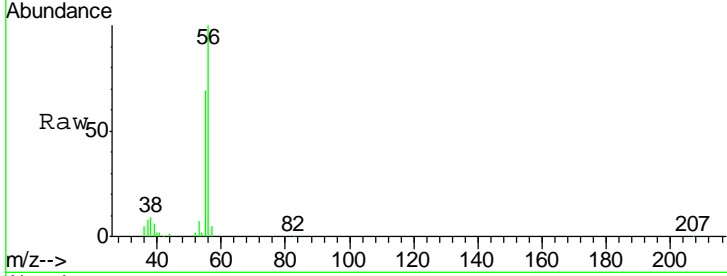


#13
 Acrolein
 Concen: 281.829 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
56	100		
55	68.6	55.4	83.0

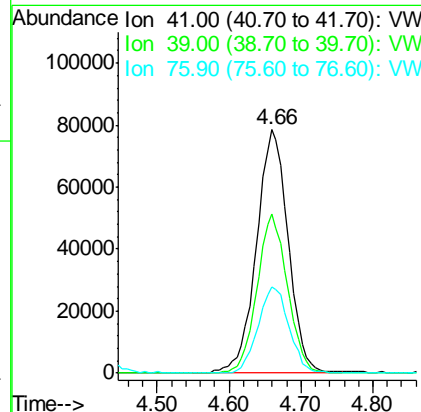
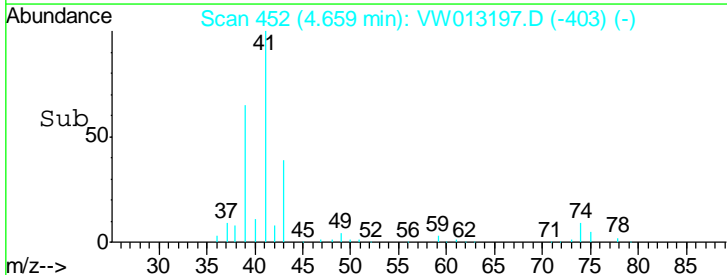
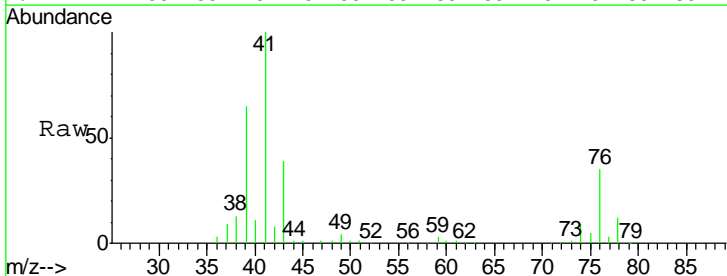
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

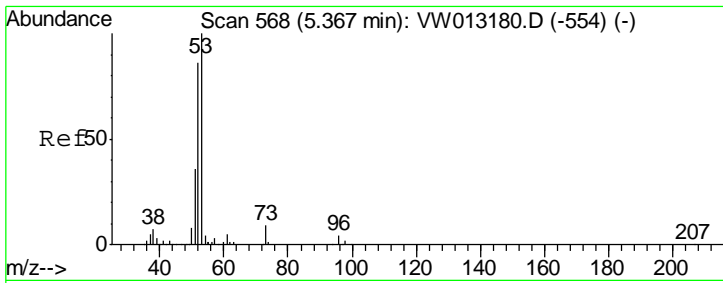
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#14
 Allyl chloride
 Concen: 48.240 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

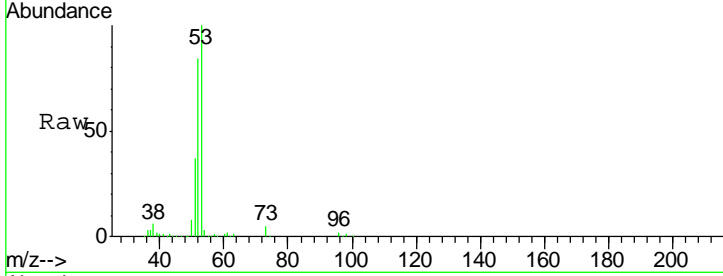
Tgt Ion	Resp	Lower	Upper
41	100		
39	62.7	51.0	76.4
76	34.5	28.4	42.6





#15
 Acrylonitrile
 Concen: 275.159 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

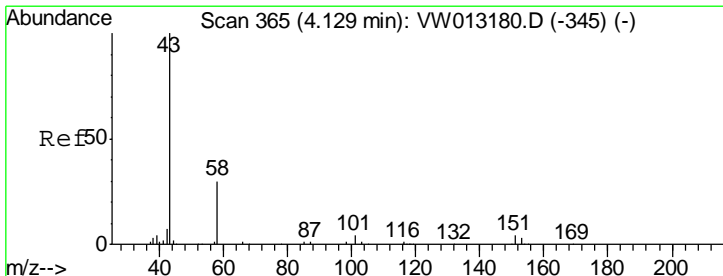
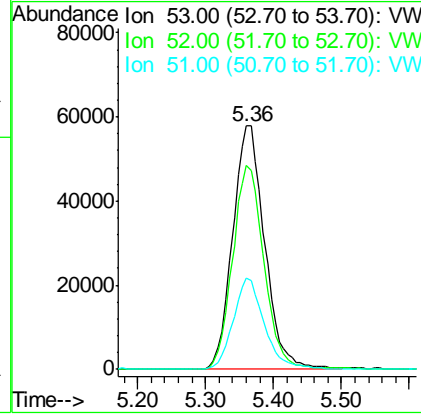
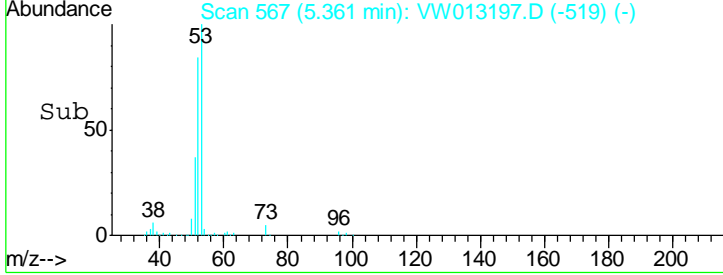
Instrument :
 MSVOA_W
ClientSampled :
 VSTDCCC050



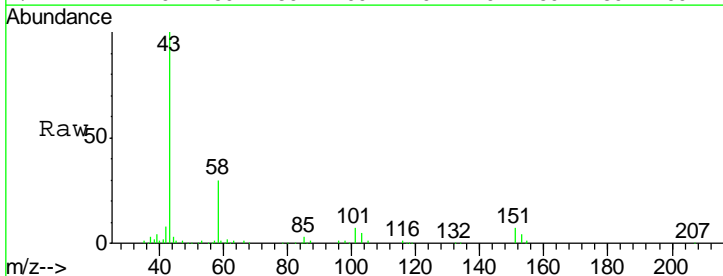
Tgt Ion: 53 Resp: 188565

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	36.6	29.0	43.4

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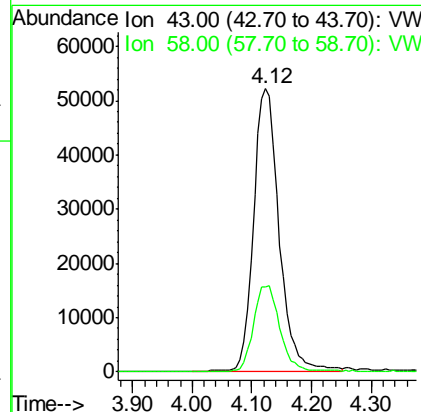
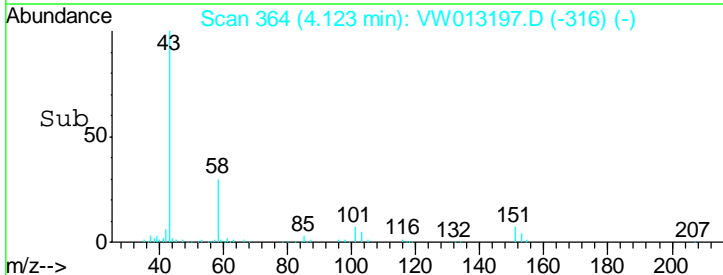


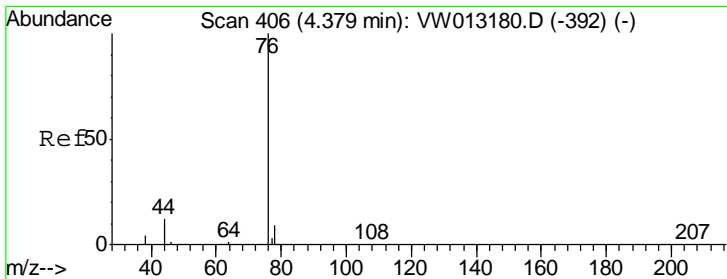
#16
 Acetone
 Concen: 252.097 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52



Tgt Ion: 43 Resp: 156463

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.1	36.1





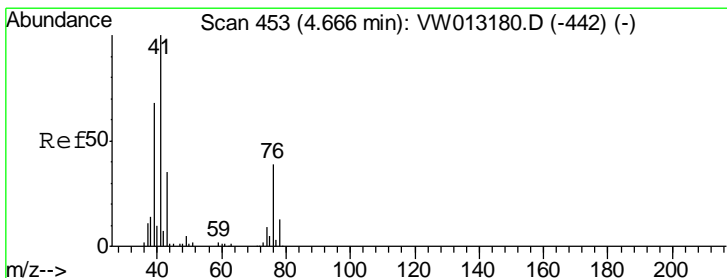
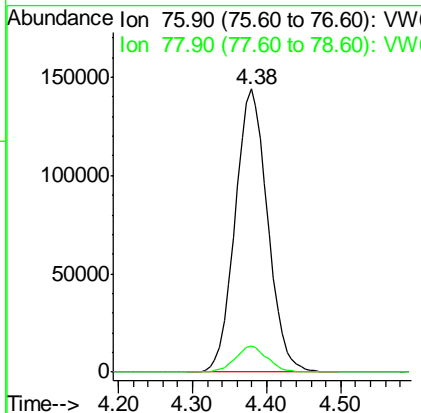
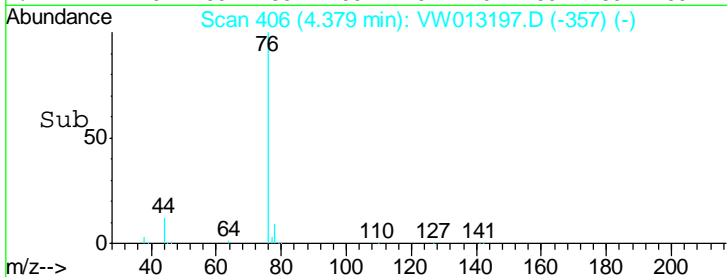
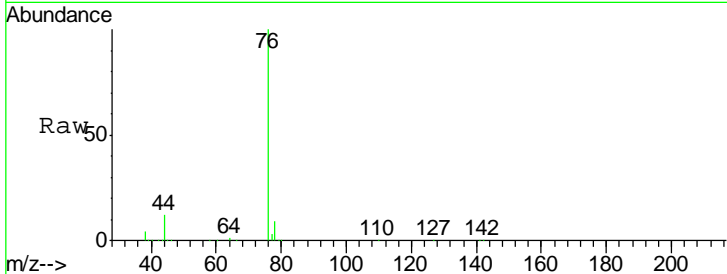
#17
 Carbon Disulfide
 Concen: 48.665 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
76	440801		
76	100		
78	9.4	7.0	10.4

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

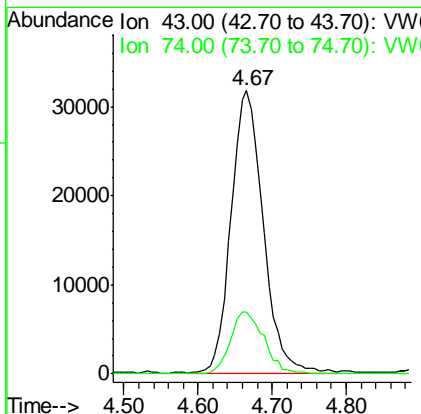
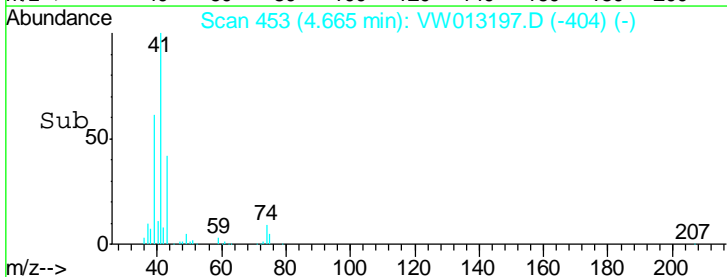
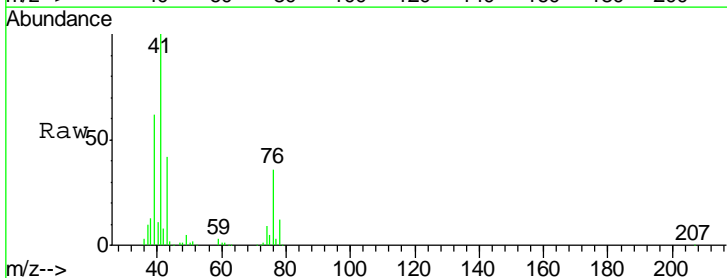
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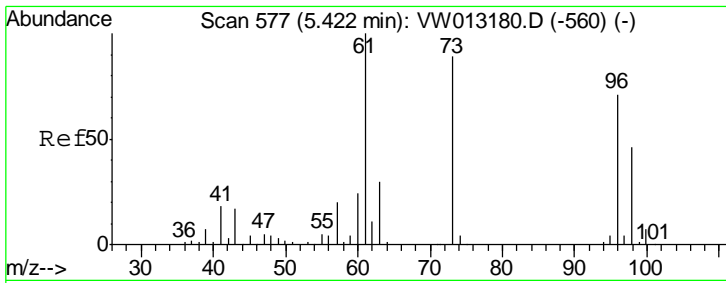
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#18
 Methyl Acetate
 Concen: 54.830 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
43	95658		
43	100		
74	22.9	19.3	28.9





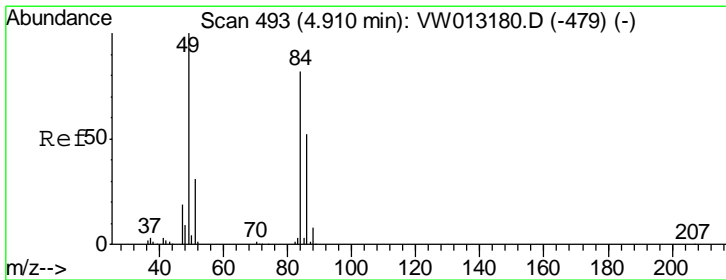
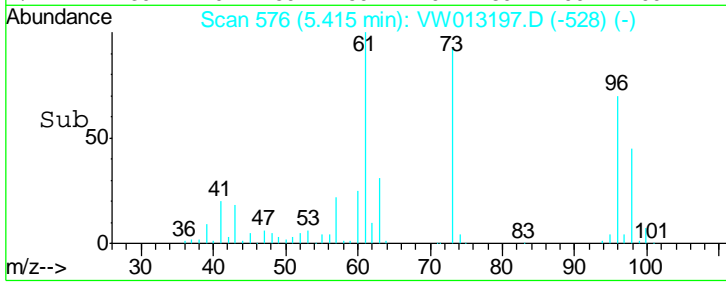
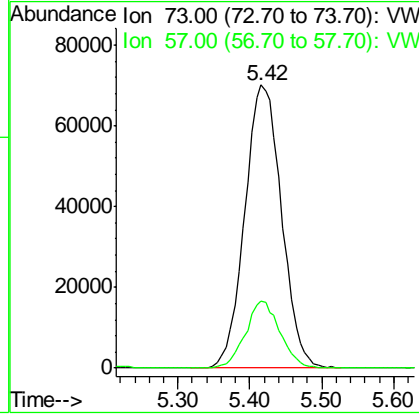
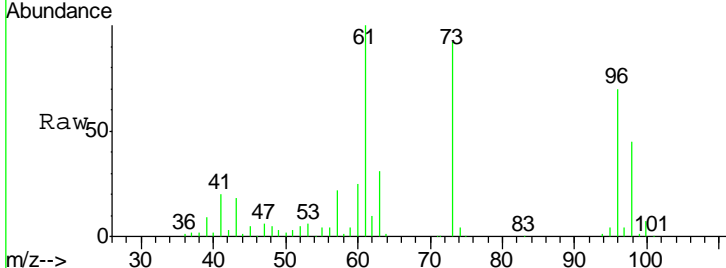
#19
 Methyl tert-butyl Ether
 Concen: 51.680 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion: 73 Resp: 248212

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.6	26.4

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

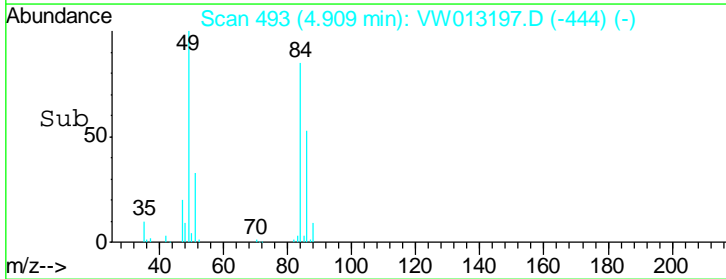
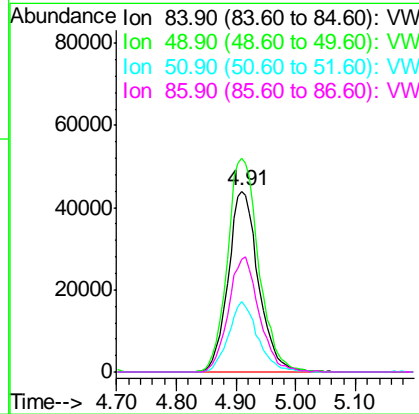
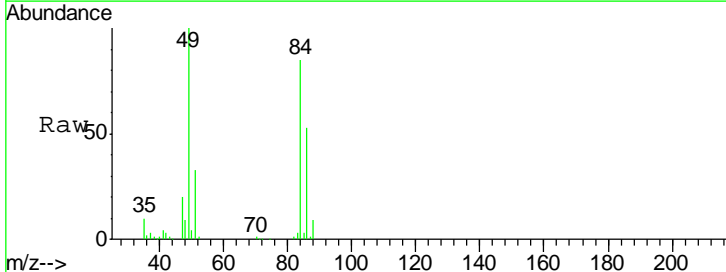
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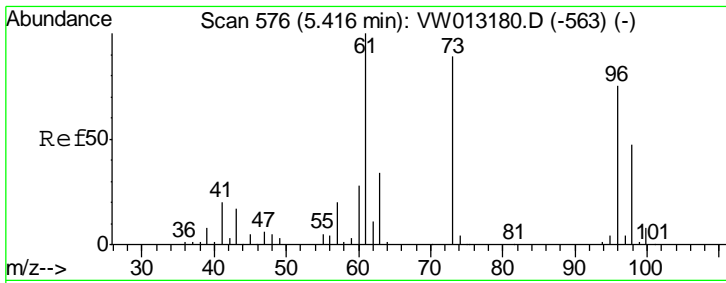


#20
 Methylene Chloride
 Concen: 48.650 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion: 84 Resp: 154670

Ion	Ratio	Lower	Upper
84	100		
49	118.0	97.6	146.4
51	39.1	30.2	45.2
86	62.6	50.6	76.0





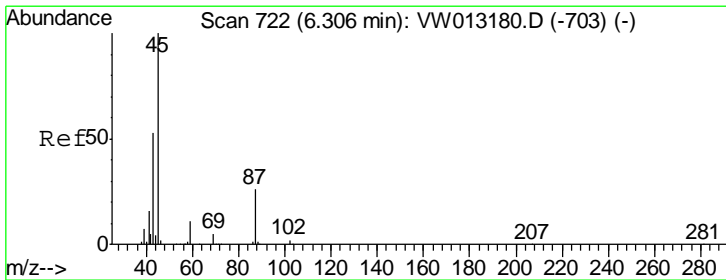
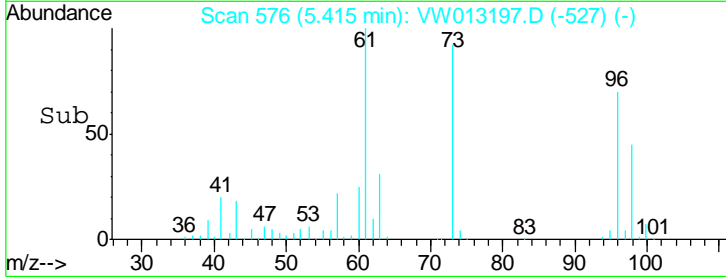
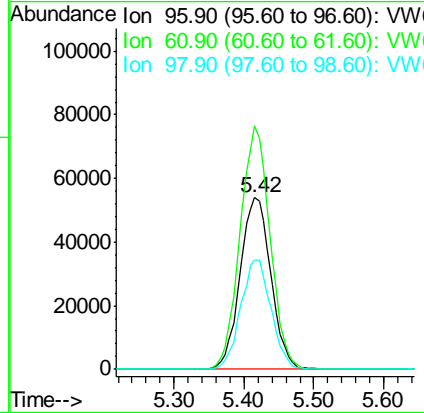
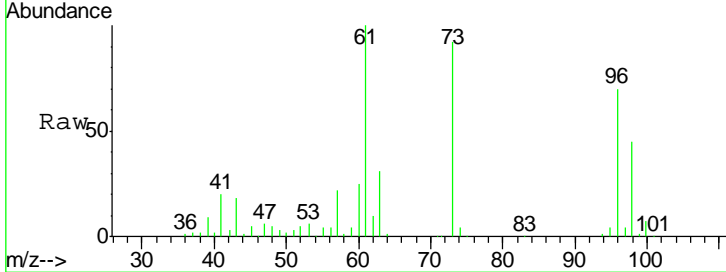
#21
 trans-1,2-Dichloroethene
 Concen: 48.628 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
96	164708		
61	142.1	106.6	159.8
98	64.0	49.8	74.8

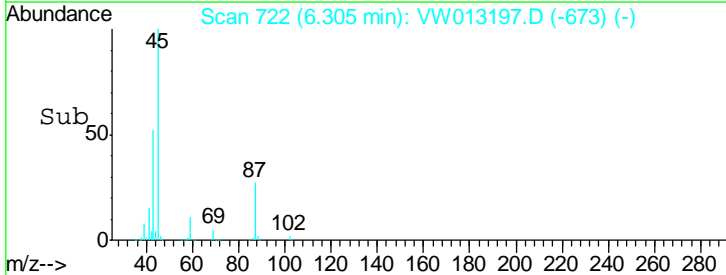
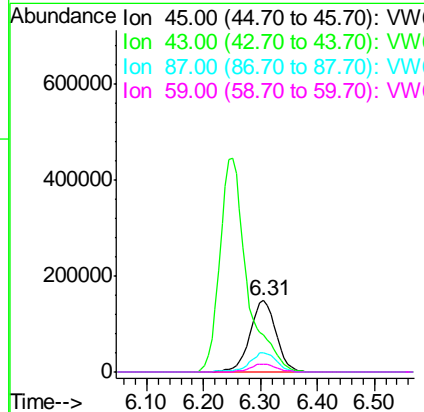
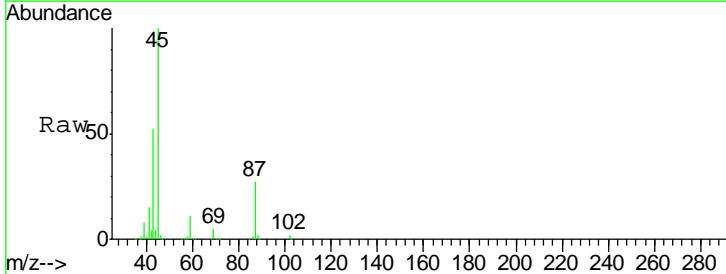
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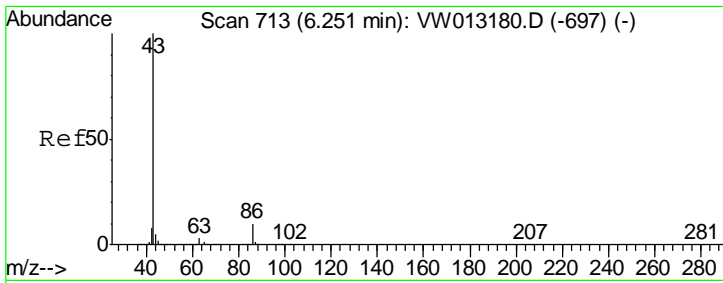
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#22
 Diisopropyl ether
 Concen: 49.729 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
45	471637		
43	51.7	42.4	63.6
87	26.7	20.4	30.6
59	10.7	8.8	13.2





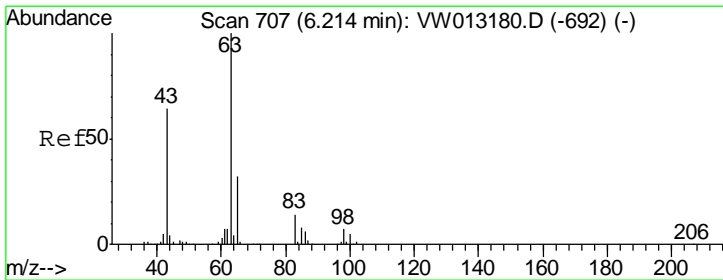
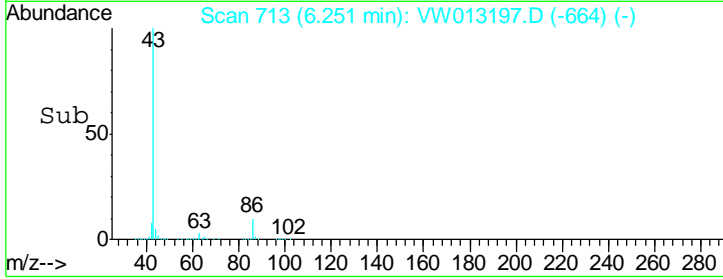
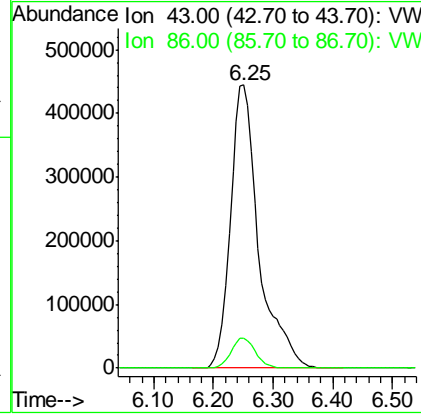
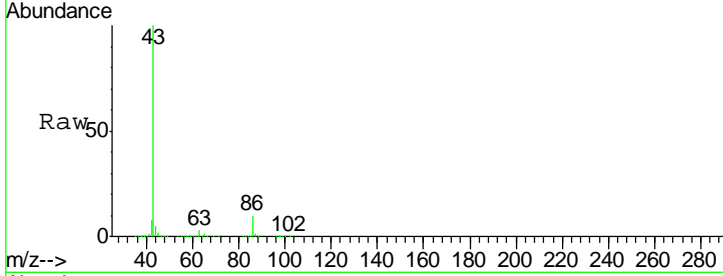
#23
 Vinyl Acetate
 Concen: 261.364 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

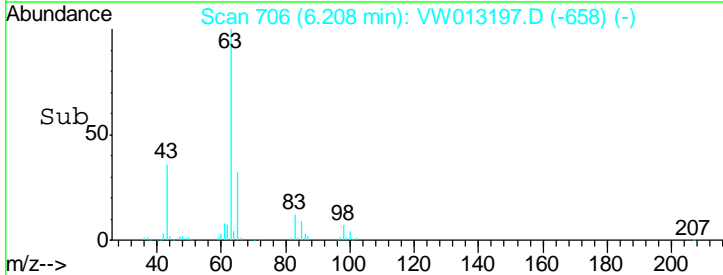
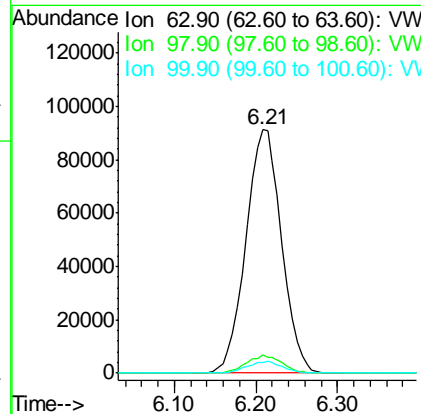
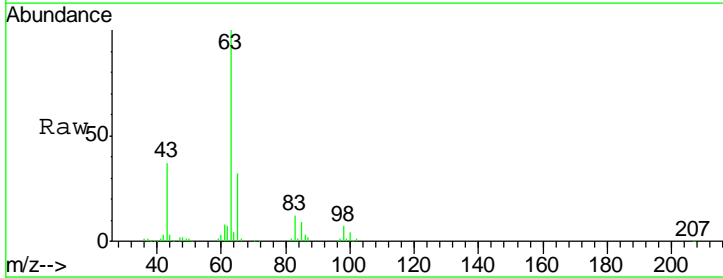
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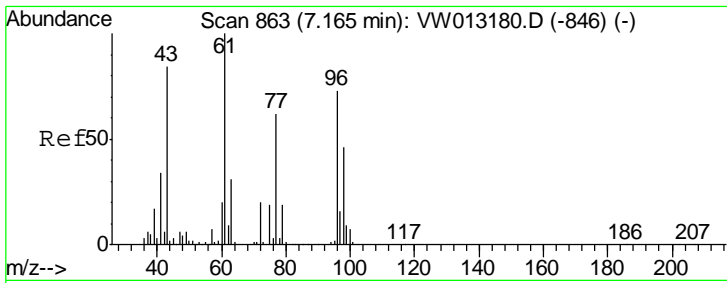
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#24
 1,1-Dichloroethane
 Concen: 48.359 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	4.4	2.4	7.1



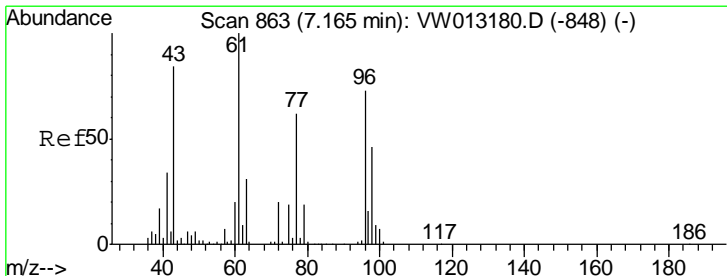
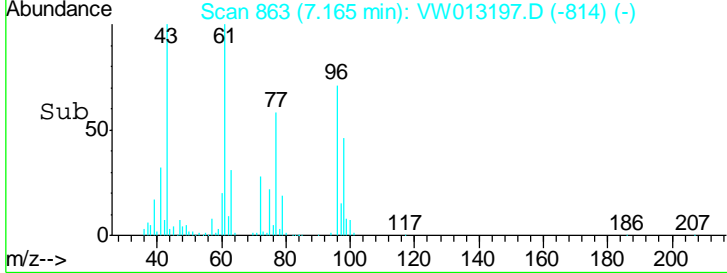
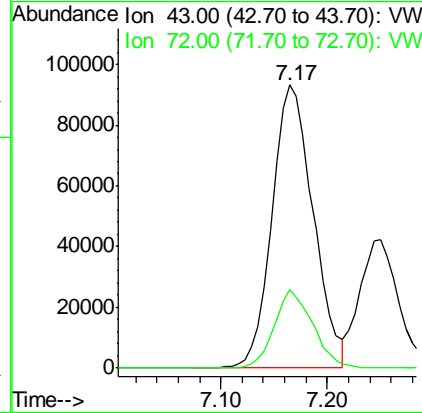
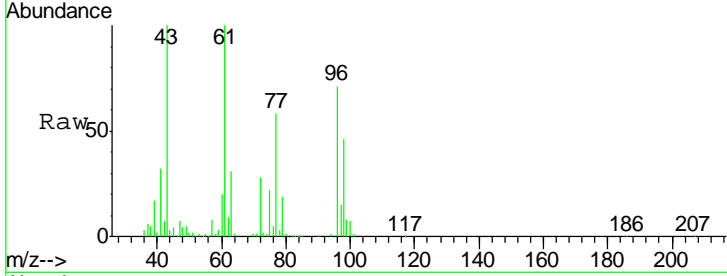


#25
 2-Butanone
 Concen: 268.164 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.7	19.4	29.0

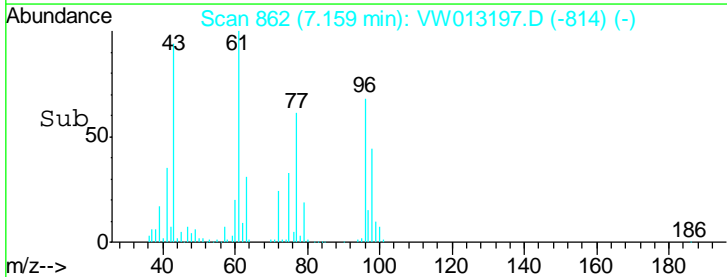
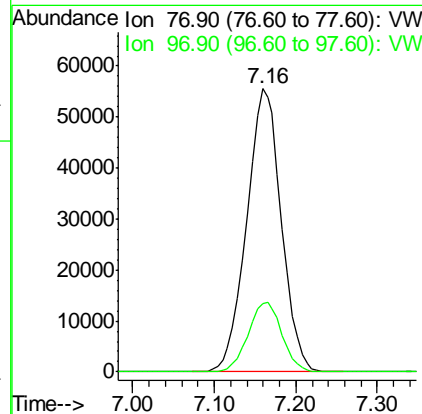
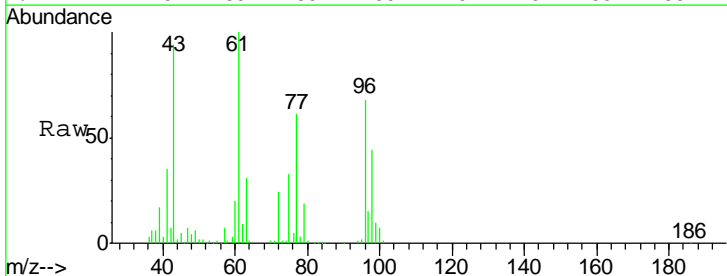
Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

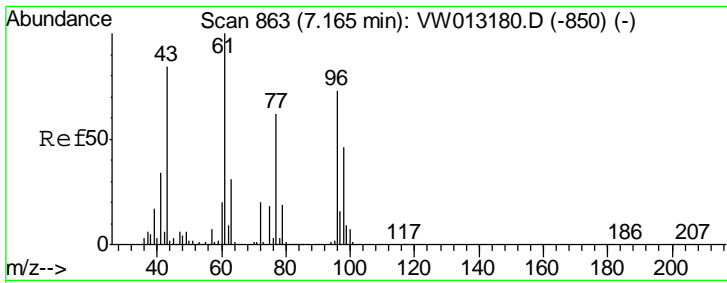
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#26
 2,2-Dichloropropane
 Concen: 47.686 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

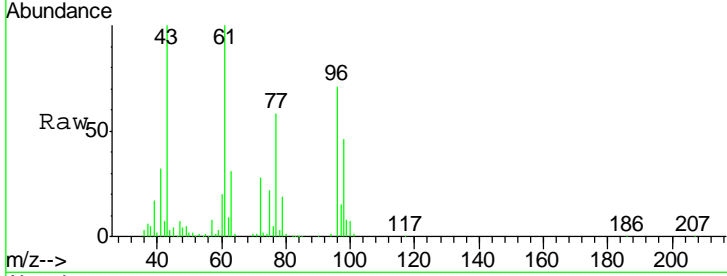
Tgt Ion	Resp	Lower	Upper
77	100		
97	24.0	11.8	35.4





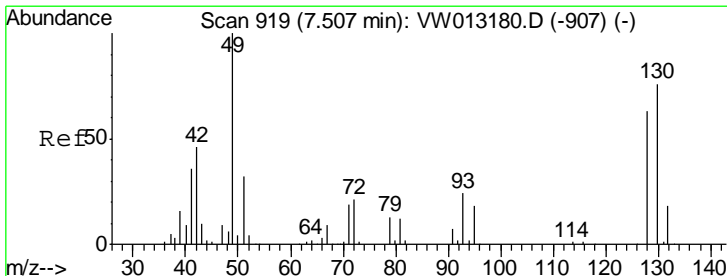
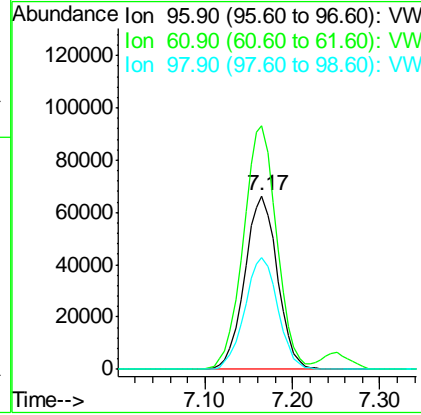
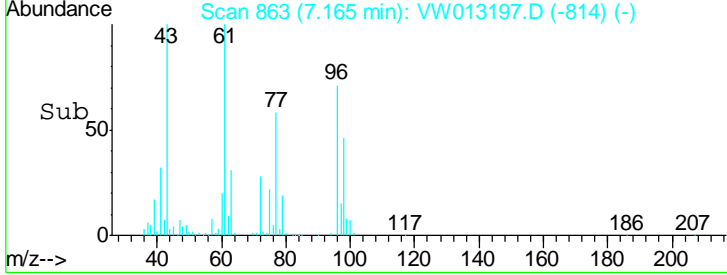
#27
 cis-1,2-Dichloroethene
 Concen: 48.090 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050



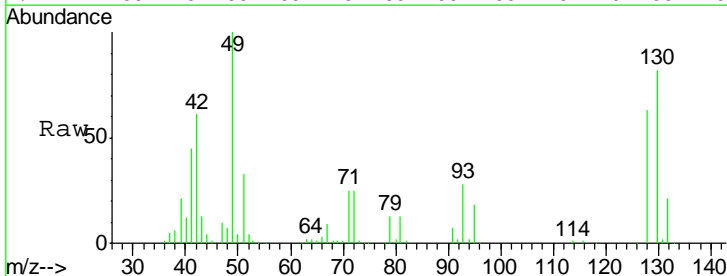
Tgt Ion	Resp	Lower	Upper
96	171895		
96	100		
61	143.5	0.0	282.4
98	65.4	0.0	128.2

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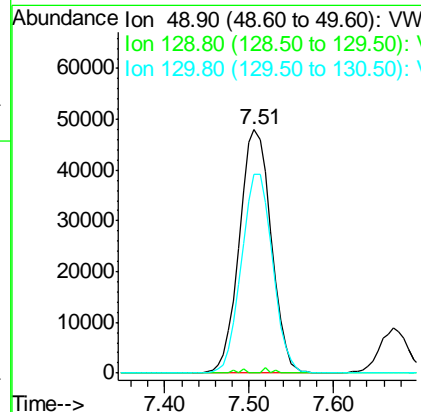
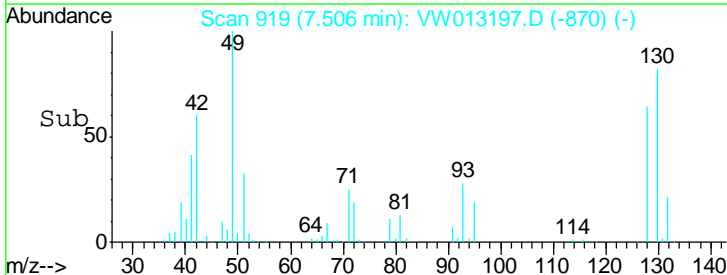


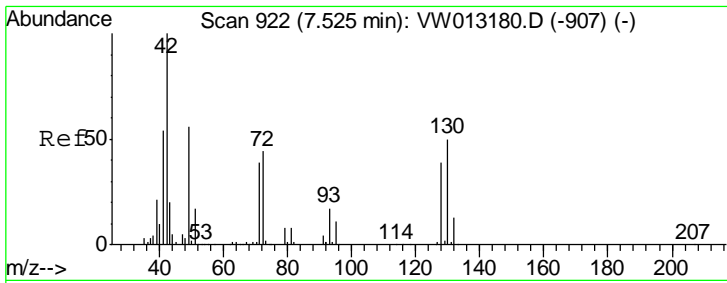
#28
 Bromochloromethane
 Concen: 55.646 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050



Tgt Ion	Resp	Lower	Upper
49	122226		
49	100		
129	0.5	0.0	1.0
130	80.2	63.4	95.2





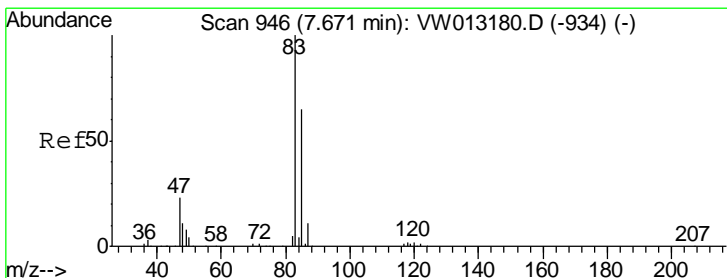
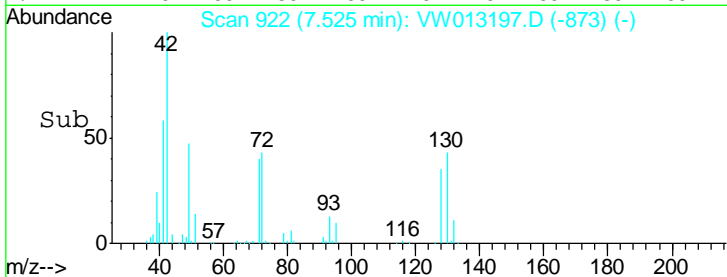
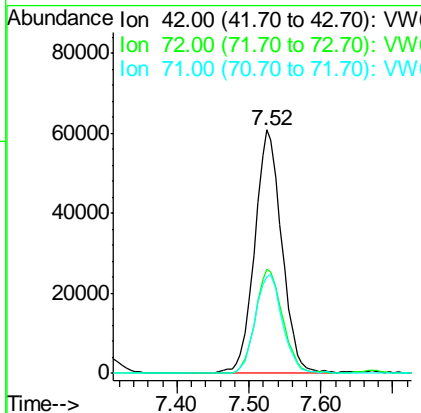
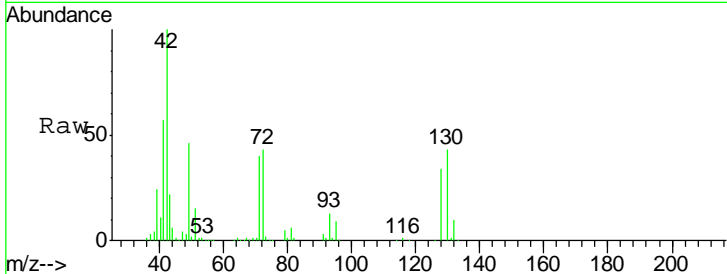
#29
 Tetrahydrofuran
 Concen: 279.297 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
42	159583		
72	43.0	33.9	50.9
71	40.5	31.9	47.9

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

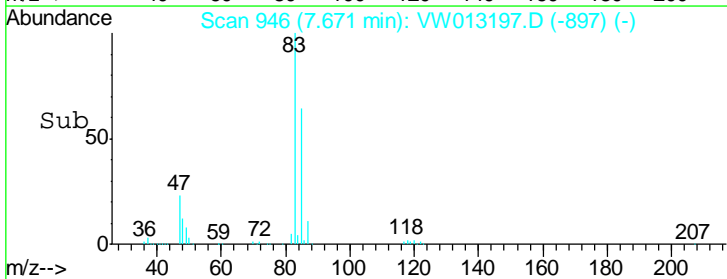
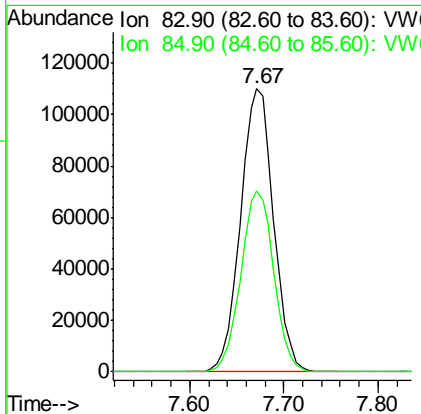
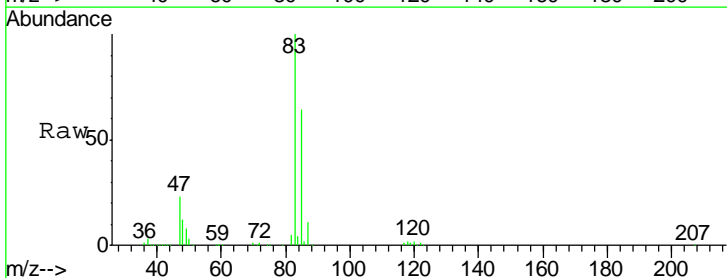
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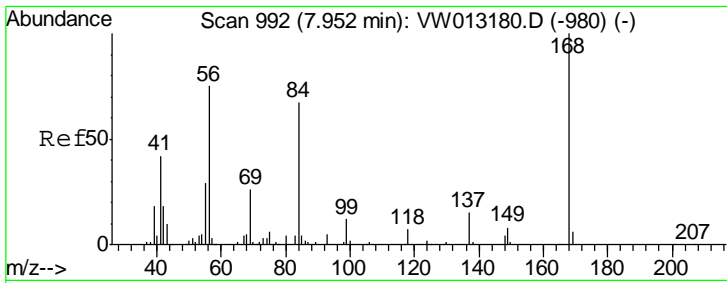
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#30
 Chloroform
 Concen: 48.029 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
83	269106		
85	64.0	52.3	78.5



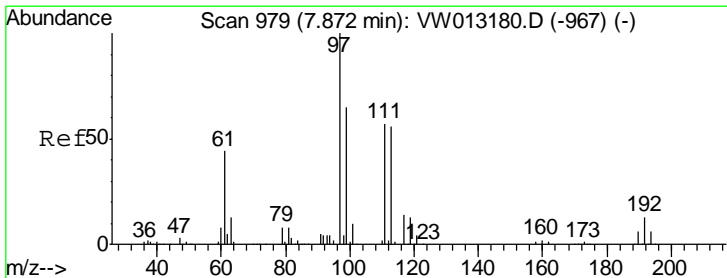
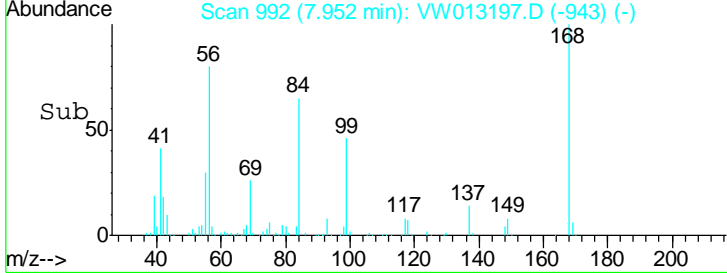
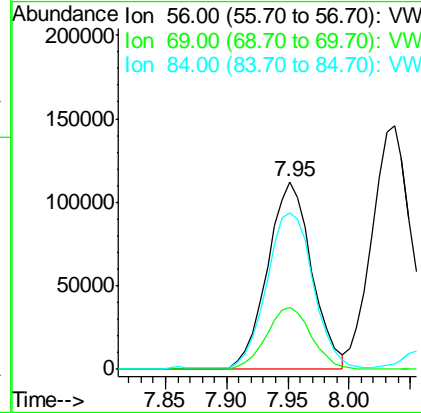
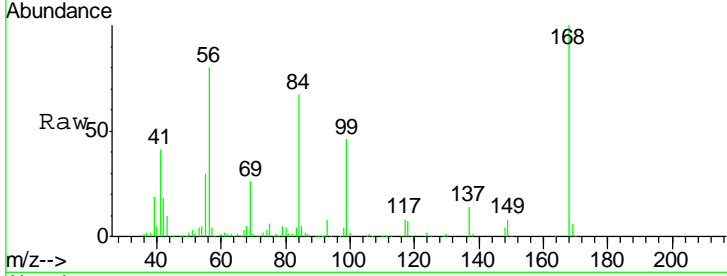


#31
 Cyclohexane
 Concen: 47.295 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
56	100		
69	33.0	27.2	40.8
84	82.3	70.8	106.2

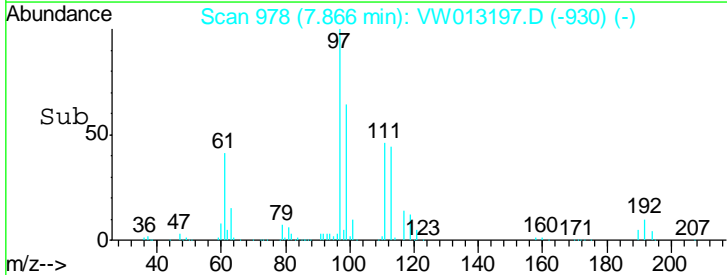
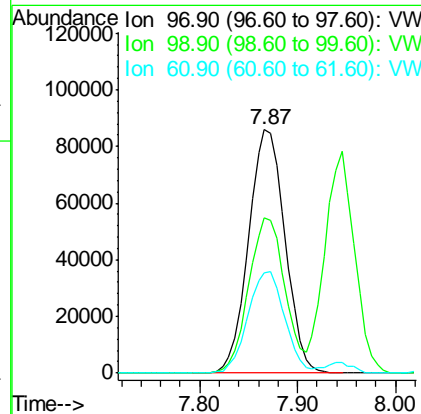
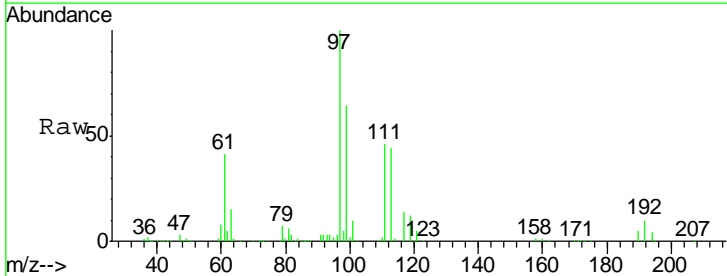
Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

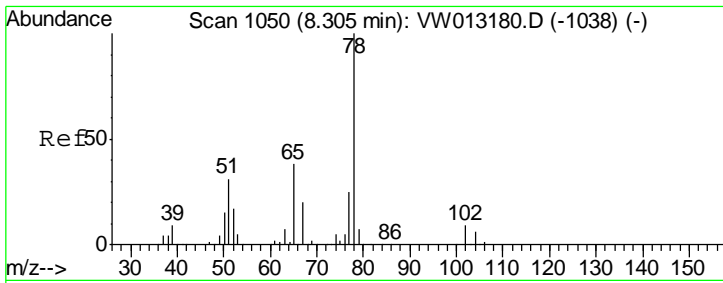
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#32
 1,1,1-Trichloroethane
 Concen: 48.799 ug/l
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	42.1	34.6	51.8



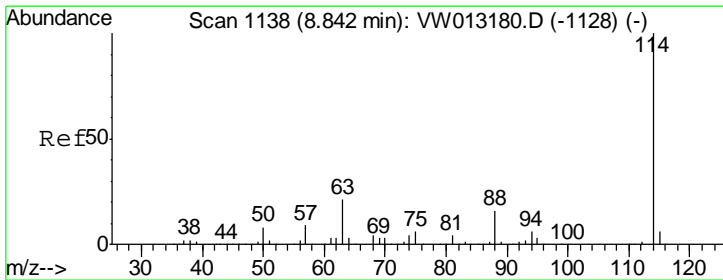
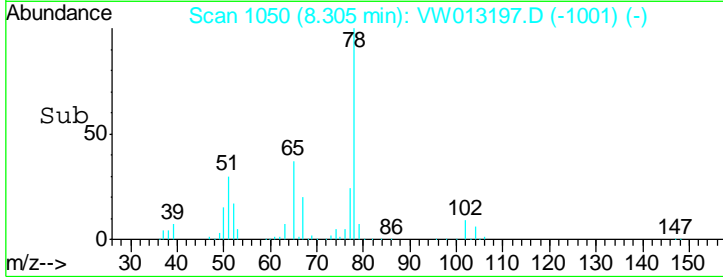
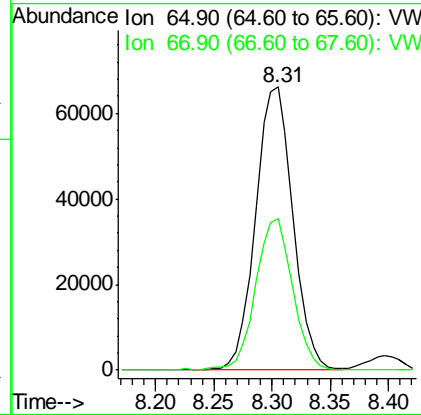
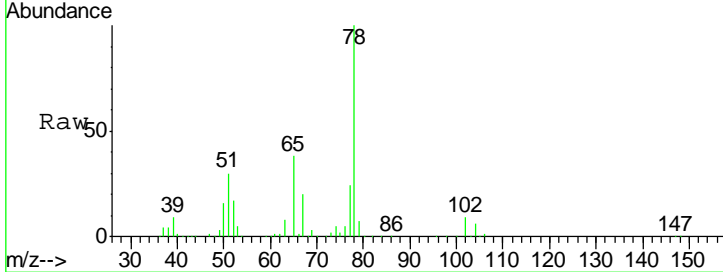


#33
 1,2-Dichloroethane-d4
 Concen: 53.481 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

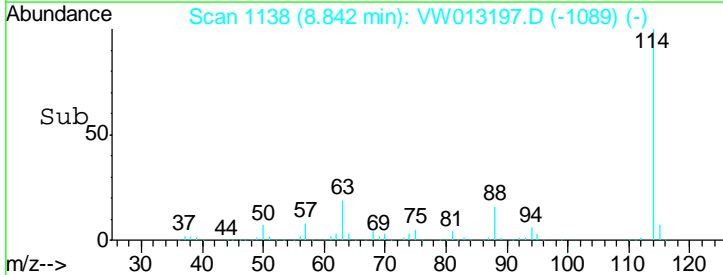
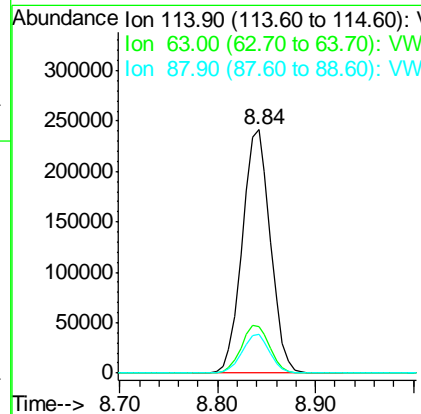
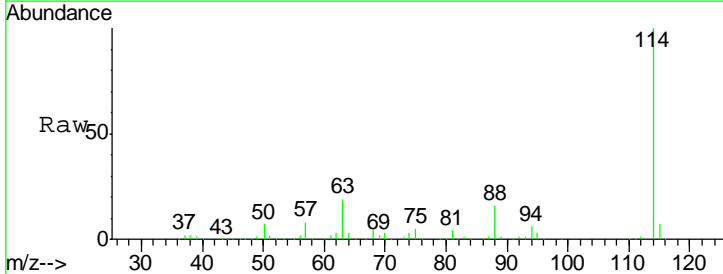
Tgt Ion	Resp	Lower	Upper
65	147189		
65	100		
67	53.3	0.0	106.2

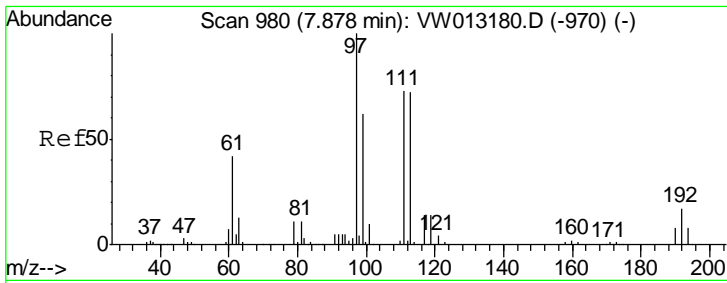
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

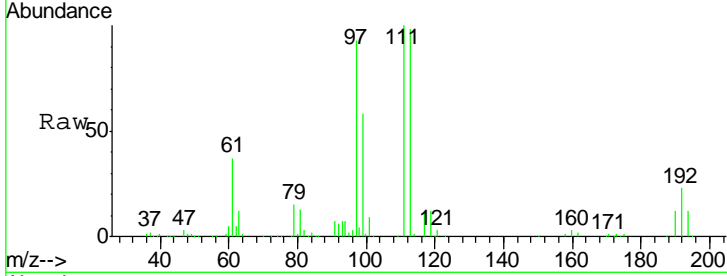
Tgt Ion	Resp	Lower	Upper
114	480172		
114	100		
63	19.0	0.0	41.4
88	15.8	0.0	32.0





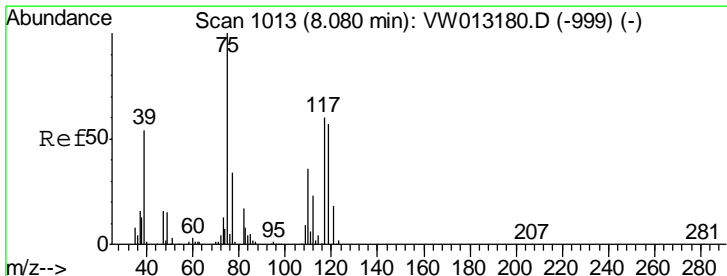
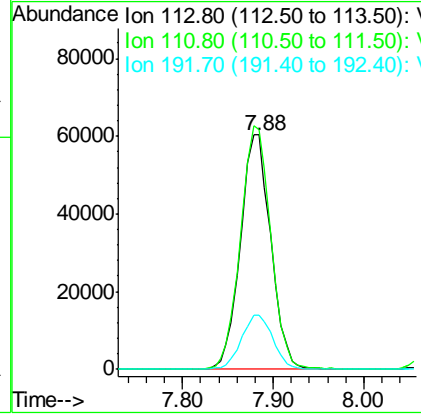
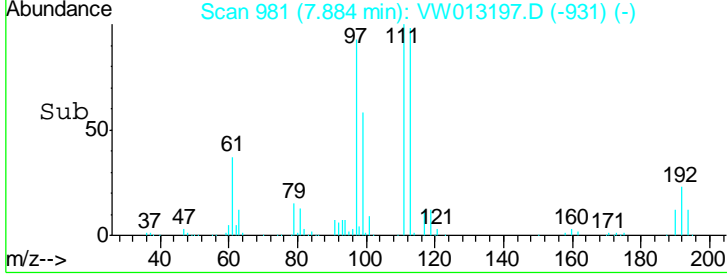
#35
 Dibromofluoromethane
 Concen: 53.143 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

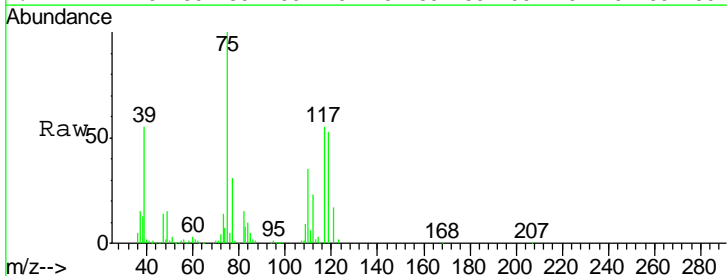


Tgt Ion	Resp	Lower	Upper
113	140349		
113	100		
111	103.6	81.9	122.9
192	23.9	19.1	28.7

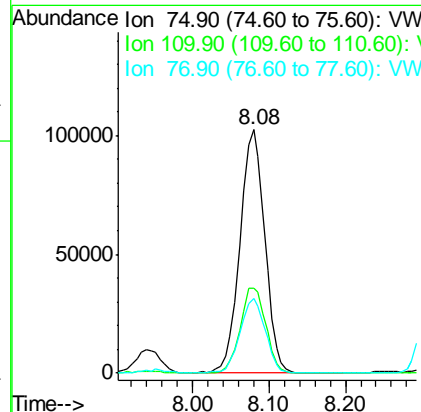
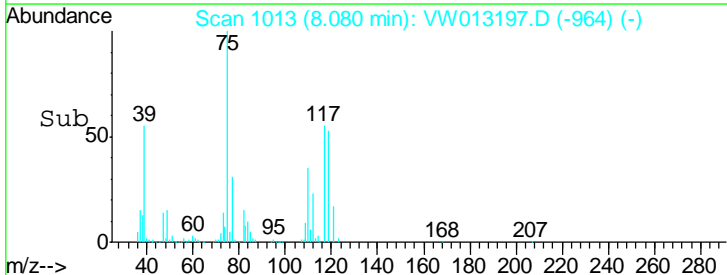
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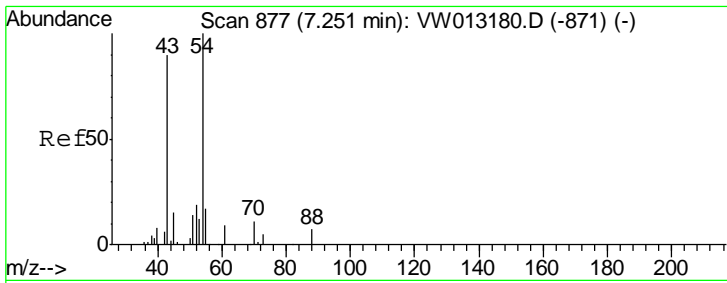


#36
 1,1-Dichloropropene
 Concen: 49.521 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52



Tgt Ion	Resp	Lower	Upper
75	230311		
75	100		
110	35.9	18.1	54.3
77	31.3	25.8	38.6



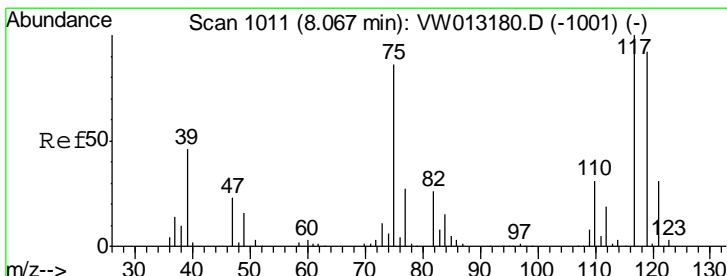
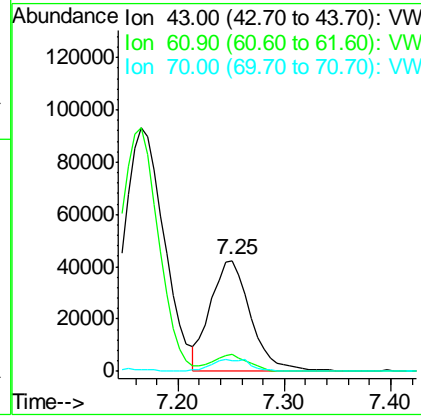
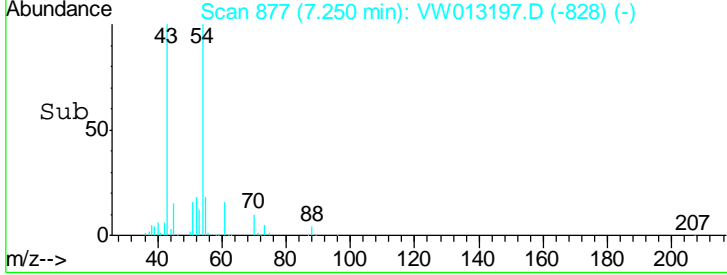
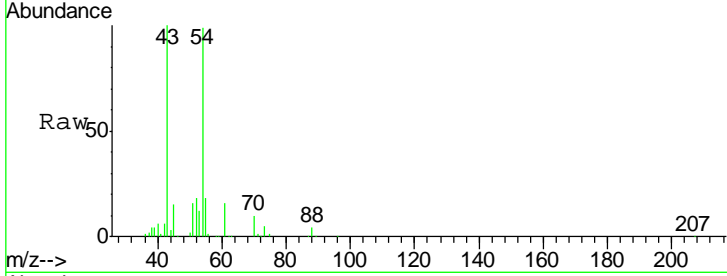


#37
 Ethyl Acetate
 Concen: 55.355 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
43	109415		
61	13.5	10.9	16.3
70	10.8	8.2	12.2

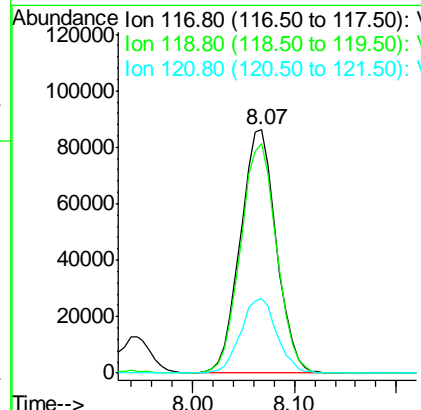
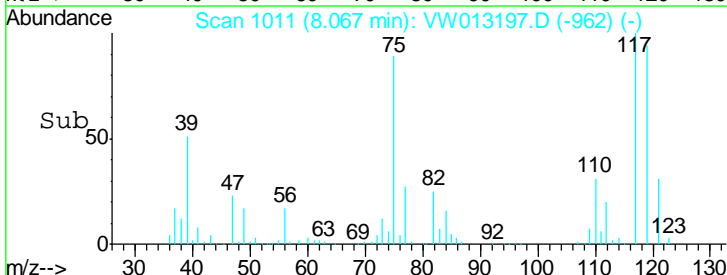
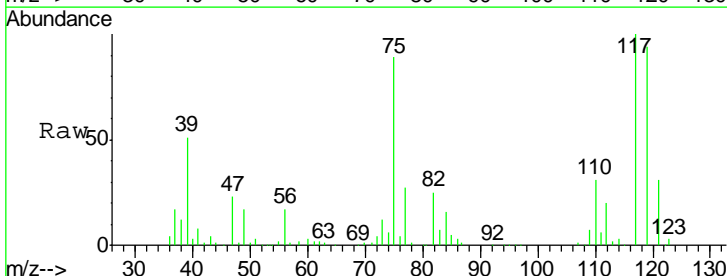
Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

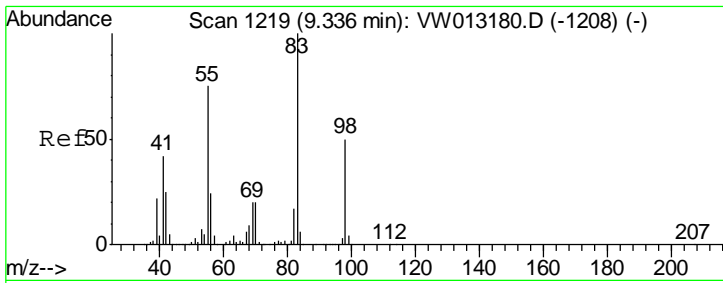
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#38
 Carbon Tetrachloride
 Concen: 50.498 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
117	210532		
119	94.3	73.5	110.3
121	30.5	25.0	37.6





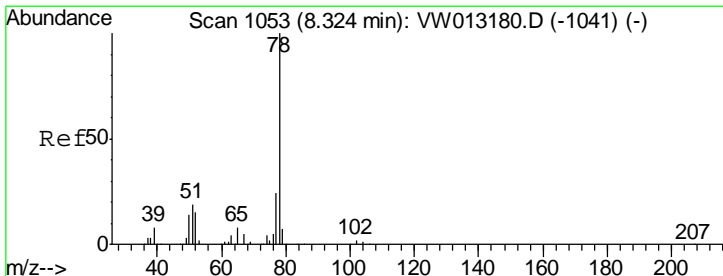
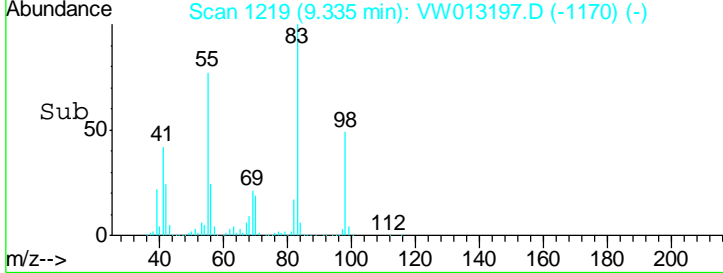
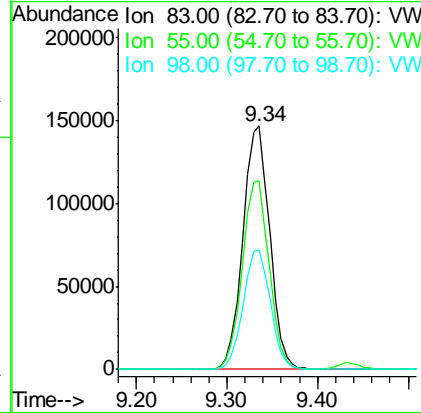
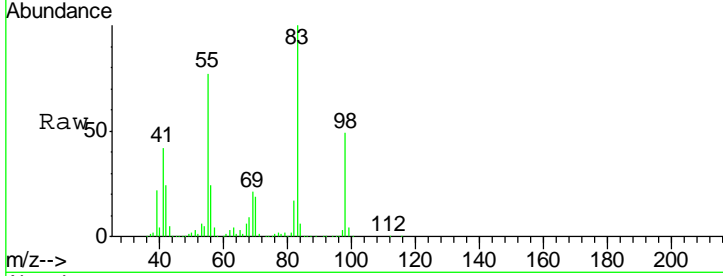
#39
 Methylcyclohexane
 Concen: 50.327 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	300793		
83	100		
55	77.4	60.4	90.6
98	49.3	40.0	60.0

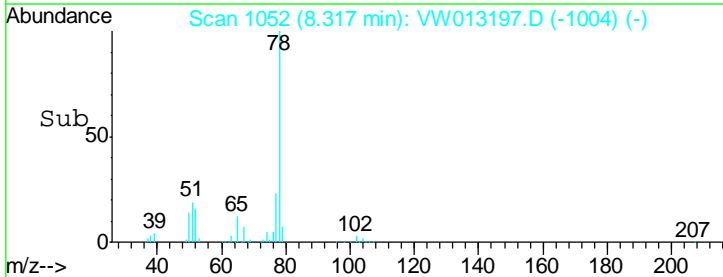
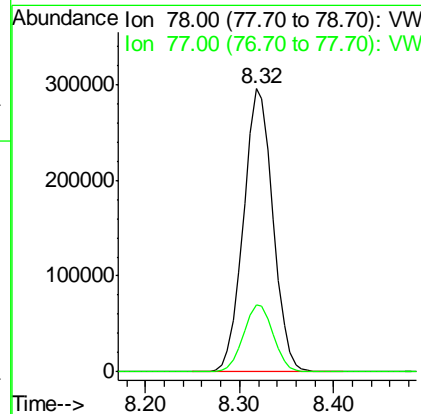
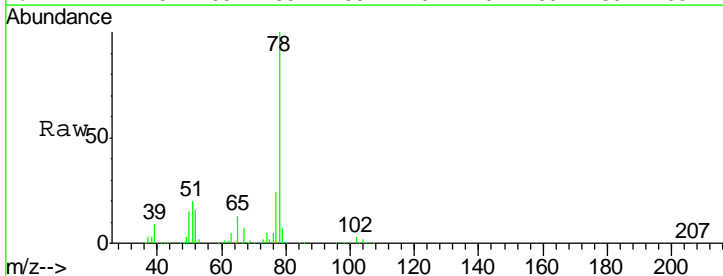
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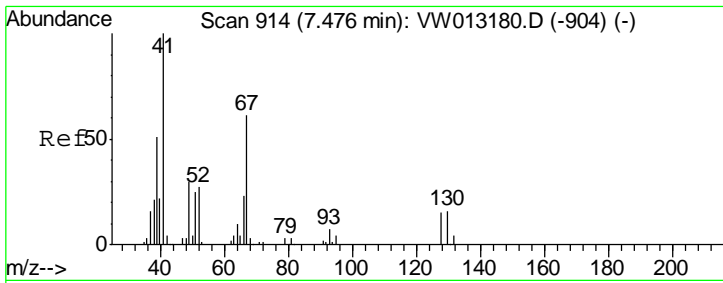
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#40
 Benzene
 Concen: 49.753 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
78	645422		
78	100		
77	23.6	19.1	28.7





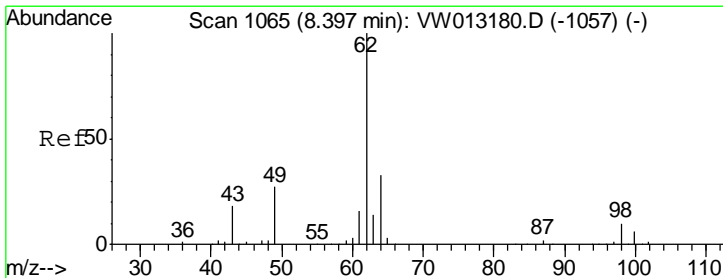
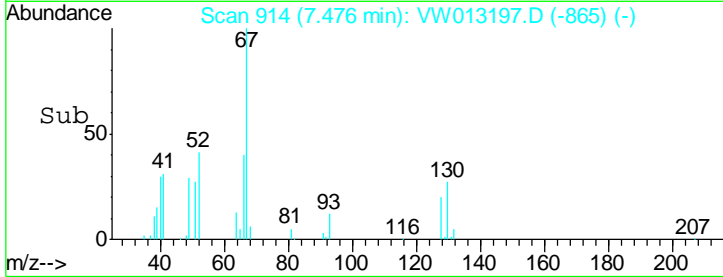
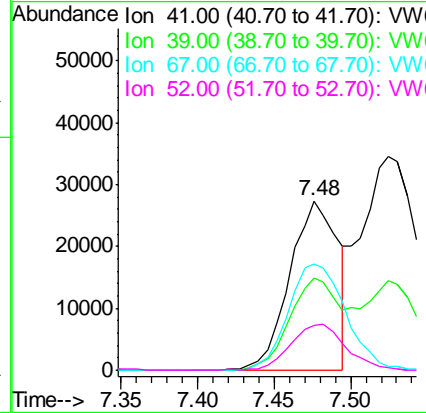
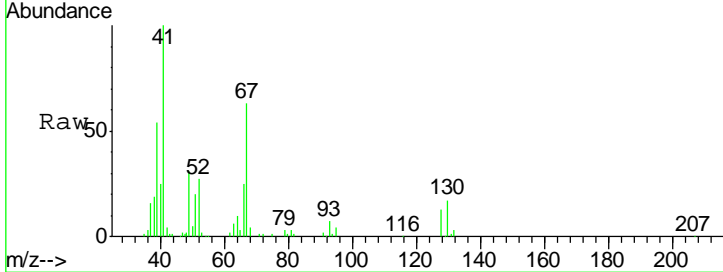
#41
 Methacrylonitrile
 Concen: 50.838 ug/l
 RT: 7.48 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
41	100		
39	66.1	45.9	68.9
67	74.5	54.5	81.7
52	31.2	22.5	33.7

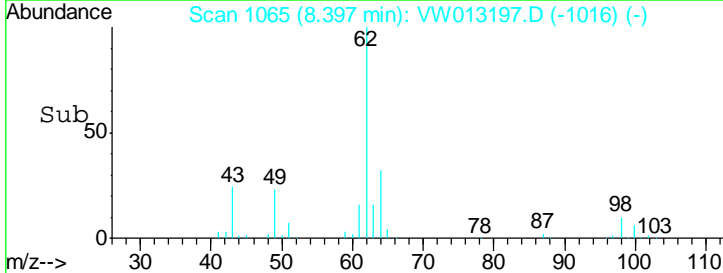
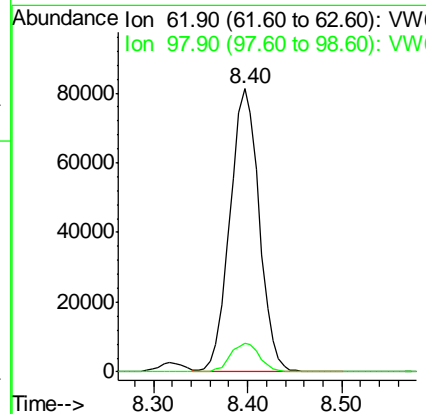
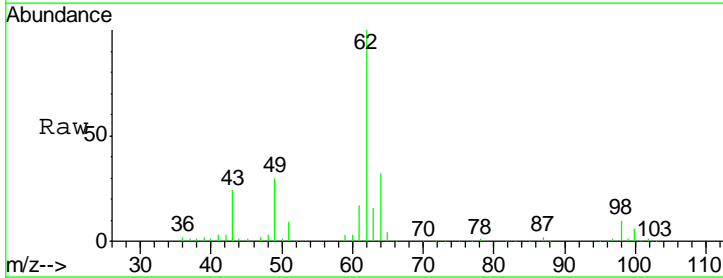
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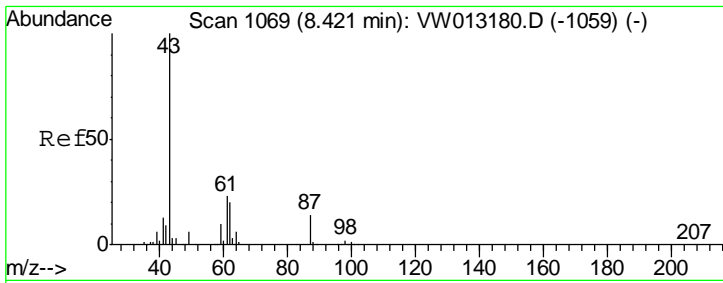
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#42
 1,2-Dichloroethane
 Concen: 50.295 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

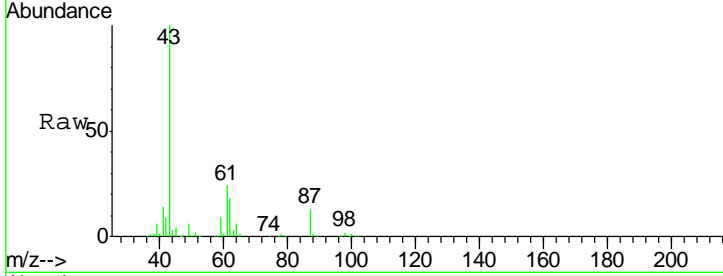
Tgt Ion	Resp	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43
 Isopropyl Acetate
 Concen: 54.922 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

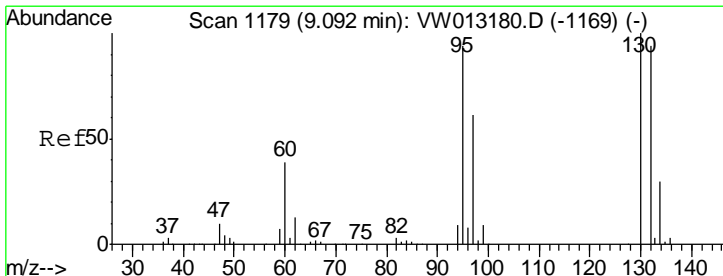
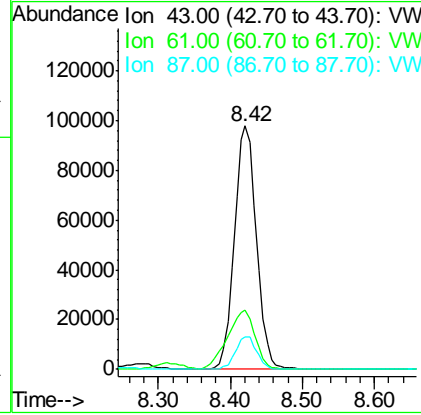
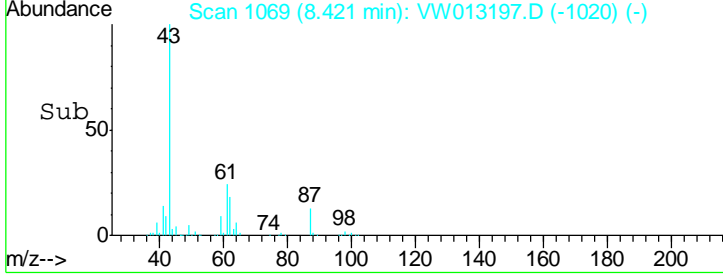
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050



Tgt Ion: 43 Resp: 208061

Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.5	38.3
87	13.0	11.0	16.4

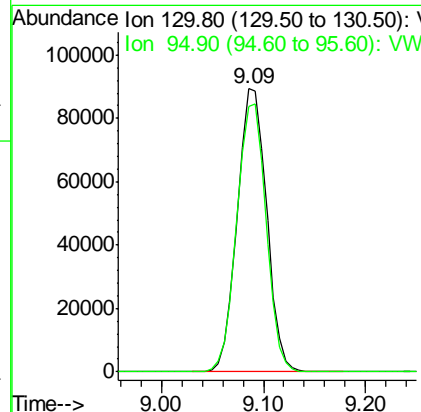
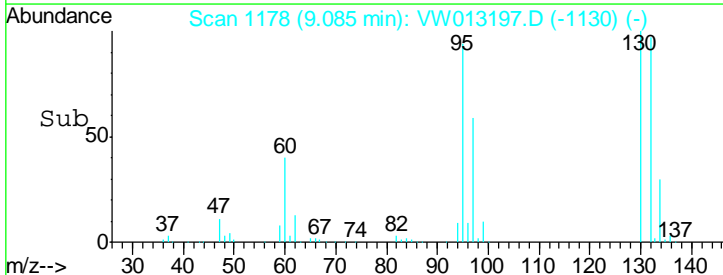
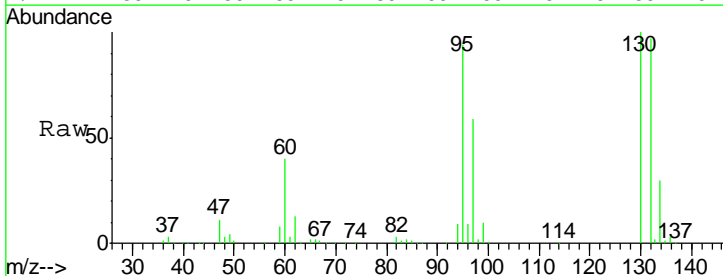
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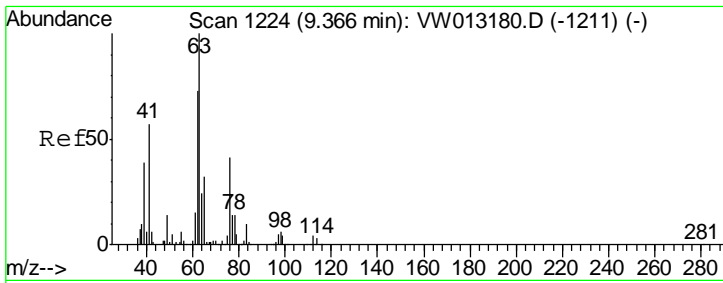


#44
 Trichloroethene
 Concen: 48.979 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion: 130 Resp: 178269

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	188.0





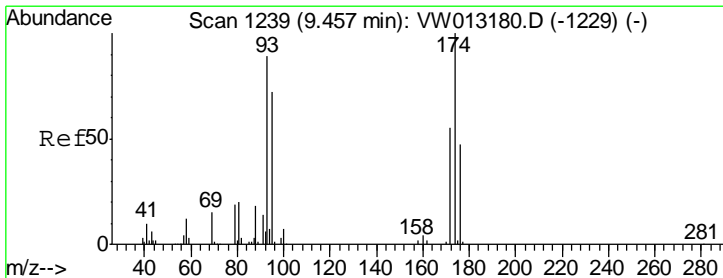
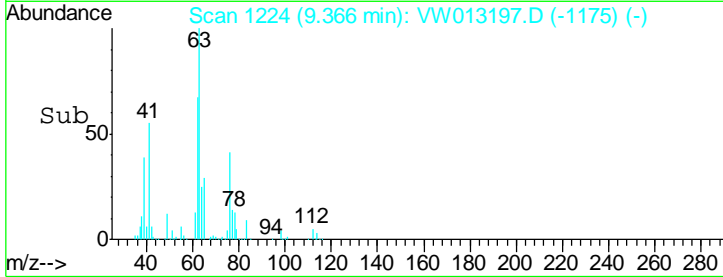
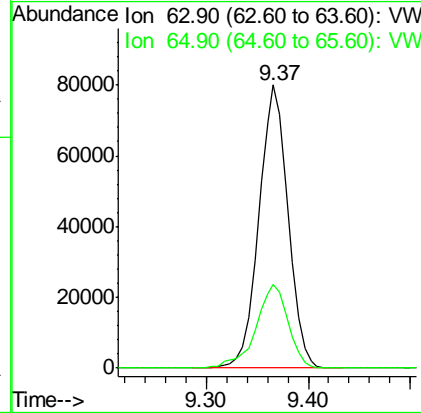
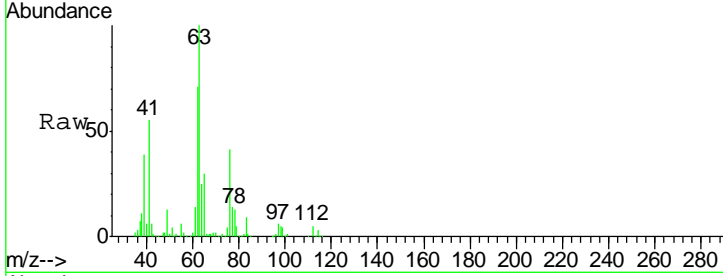
#45
 1,2-Dichloropropane
 Concen: 50.205 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
63	159006		
65	29.6	25.3	37.9

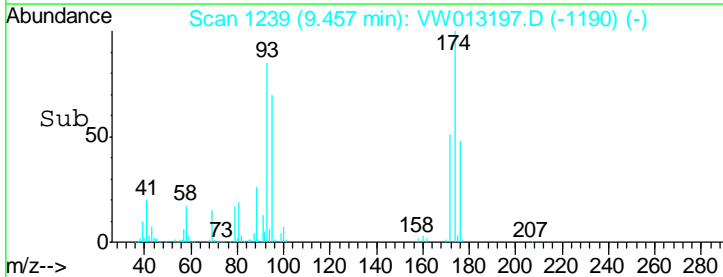
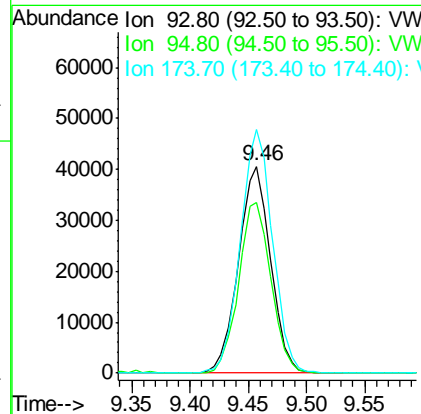
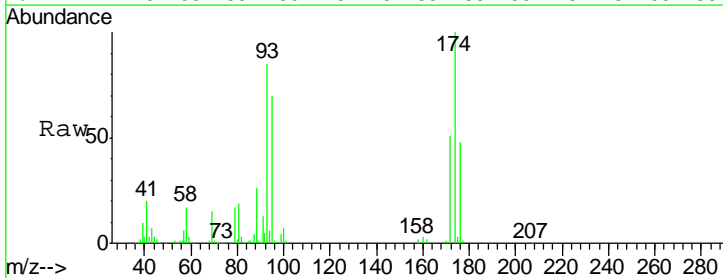
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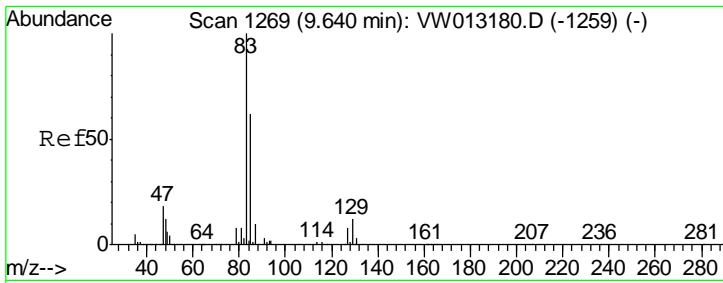
MMDadoda
 9/24/2019 5:28:58 AM



#46
 Dibromomethane
 Concen: 50.761 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
93	78052		
95	83.2	66.4	99.6
174	118.2	93.0	139.6





#47

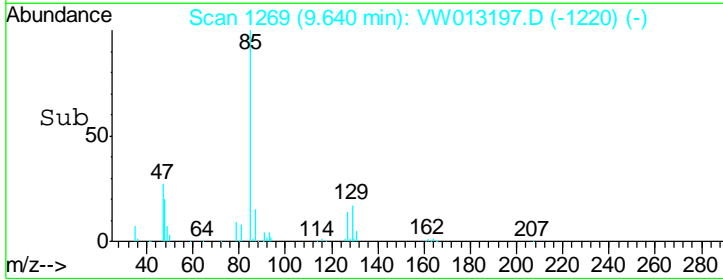
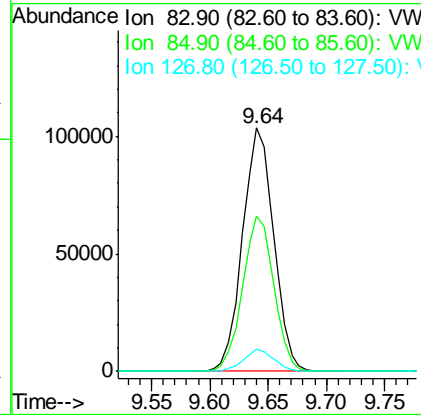
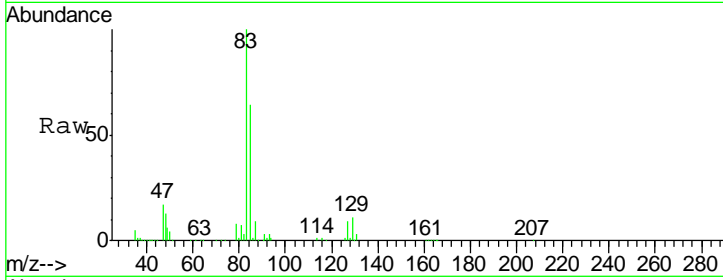
Bromodichloromethane
 Concen: 49.606 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
83	194086		
85	63.9	49.4	74.2
127	9.0	6.5	9.7

Manual Integrations
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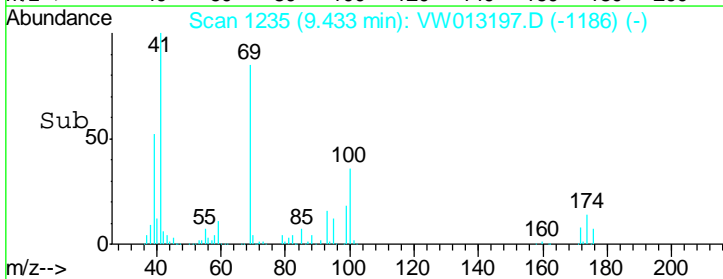
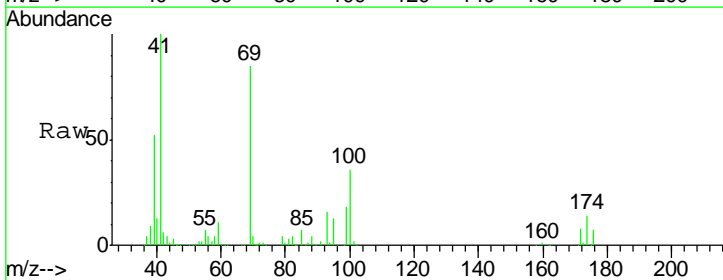
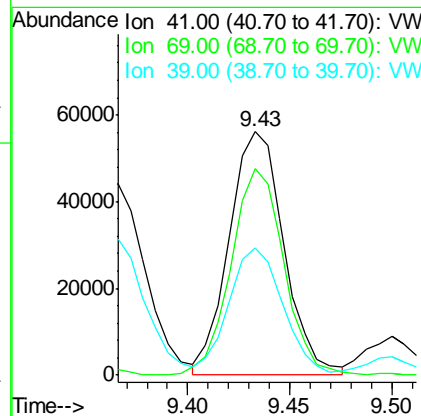
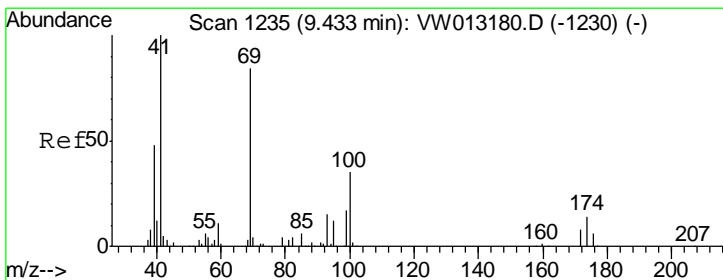
MMDadoda
 9/24/2019 5:28:58 AM

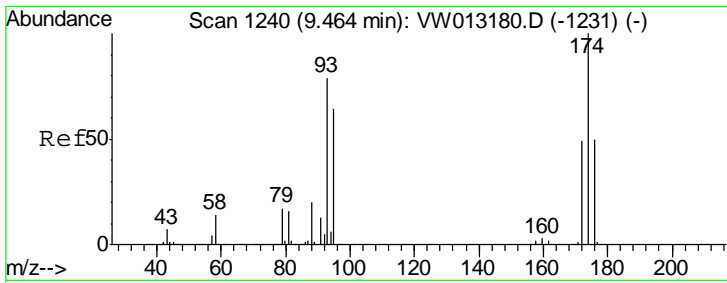


#48

Methyl methacrylate
 Concen: 58.577 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
41	104347		
69	82.5	69.7	104.5
39	49.1	41.1	61.7





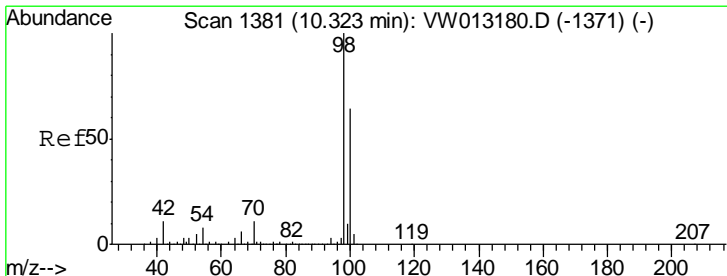
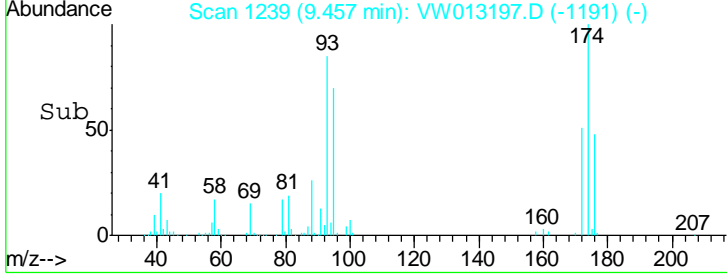
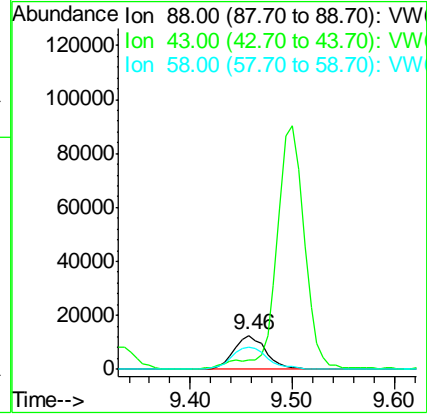
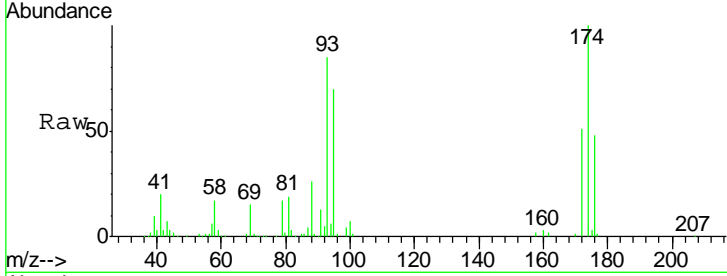
#49
 1,4-Dioxane
 Concen: 1186.307 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
88	27381		
88	100		
43	0.0	0.0	0.0
58	74.9	65.4	98.0

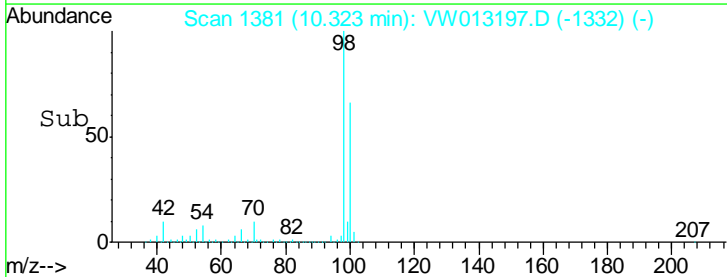
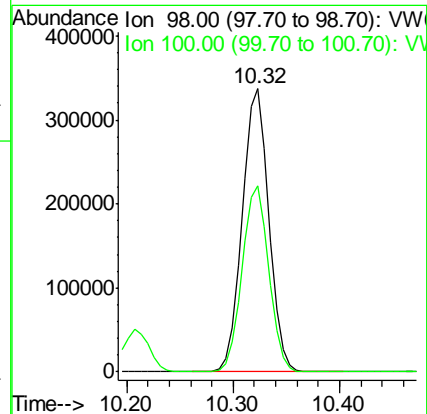
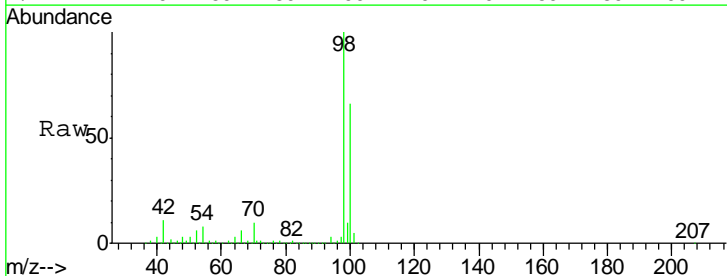
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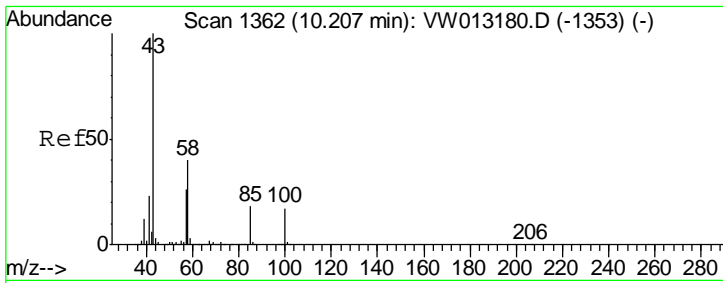
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 9/24/2019 5:28:58 AM



#50
 Toluene-d8
 Concen: 53.461 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
98	590890		
98	100		
100	66.0	52.9	79.3



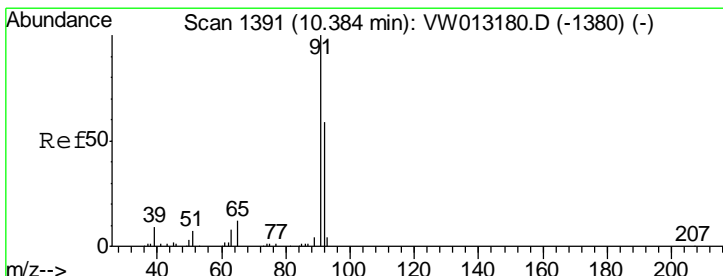
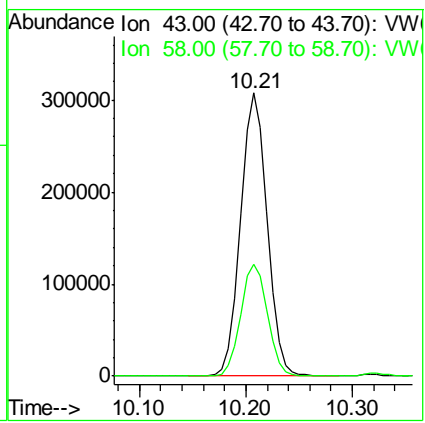
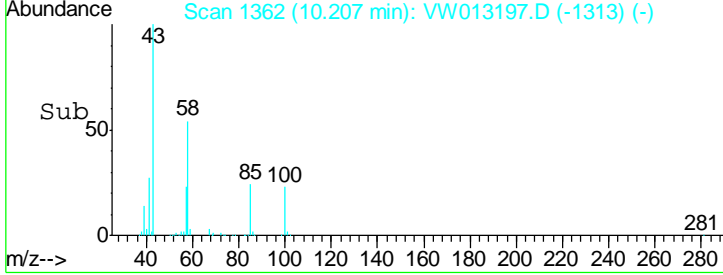
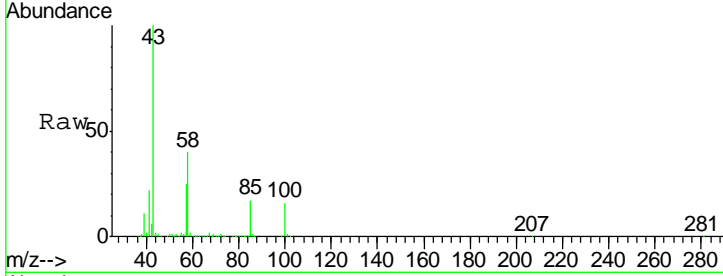


#51
 4-Methyl-2-Pentanone
 Concen: 283.977 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

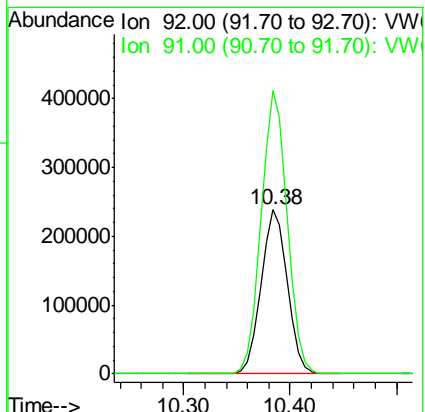
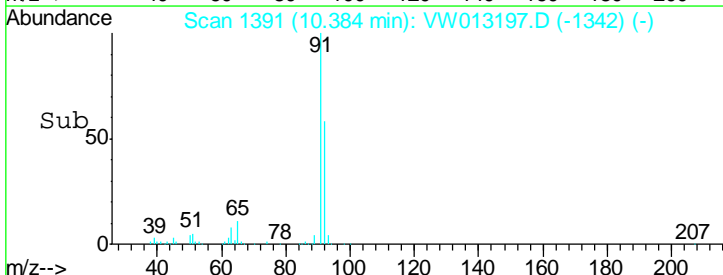
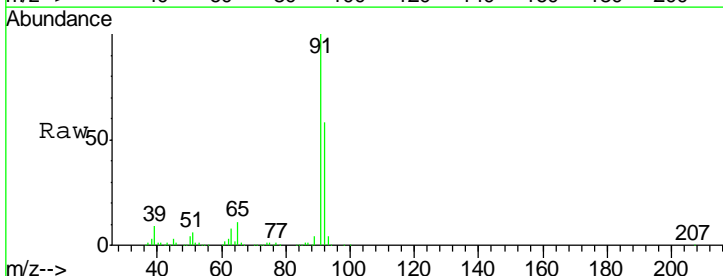
Tgt Ion	Resp	Lower	Upper
43	100		
58	40.0	31.7	47.5

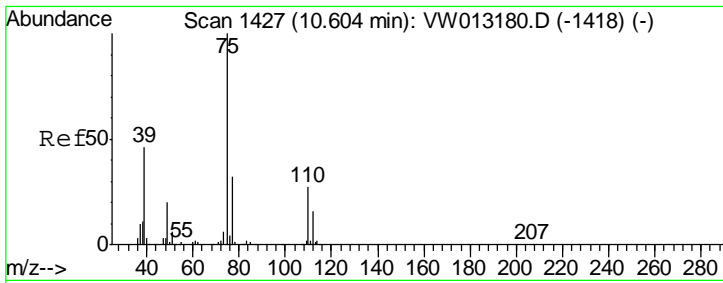
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#52
 Toluene
 Concen: 49.486 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
92	100		
91	171.7	135.7	203.5



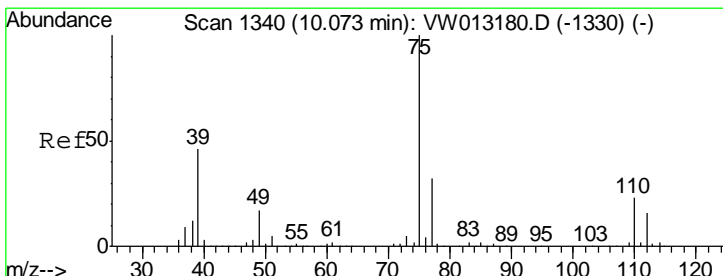
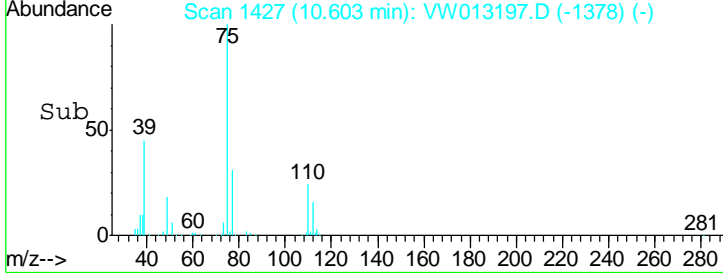
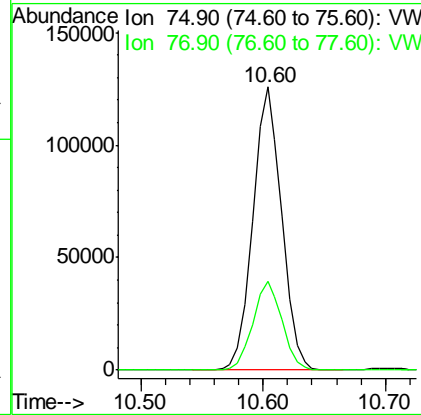
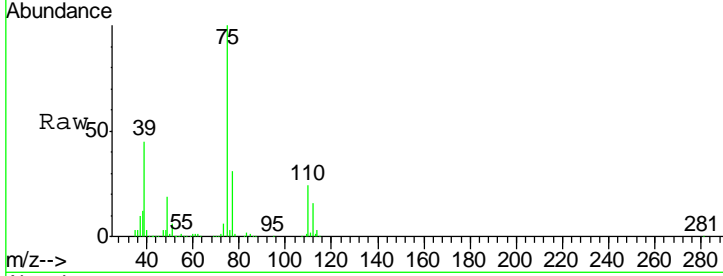


#53
 t-1,3-Dichloropropene
 Concen: 51.186 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 Client Sampled : VSTDC050

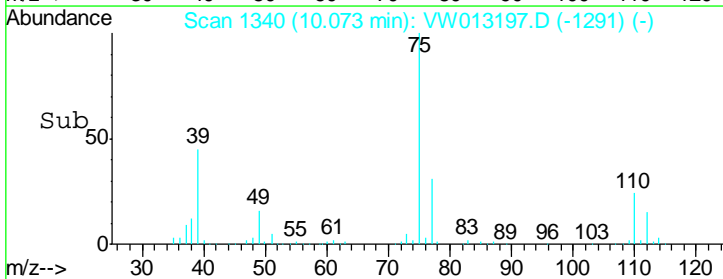
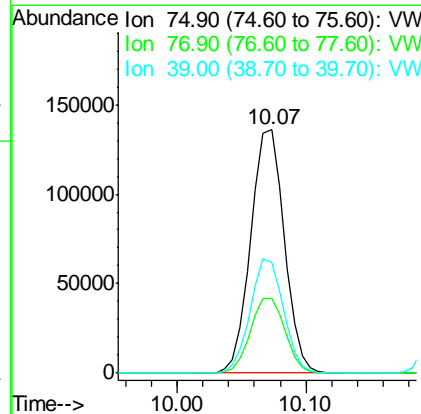
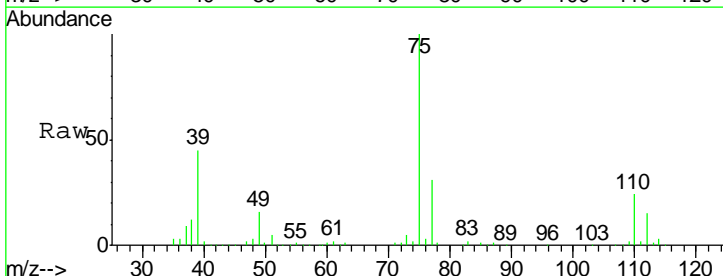
Tgt Ion	Resp	Lower	Upper
75	205756		
75	100		
77	31.2	25.5	38.3

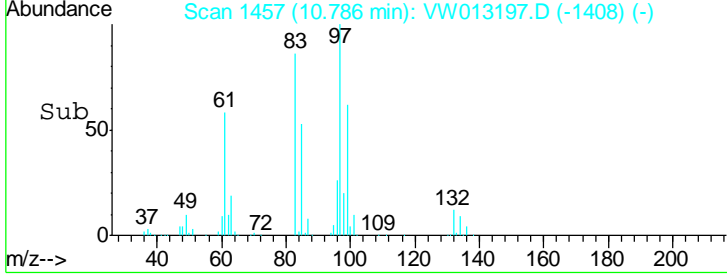
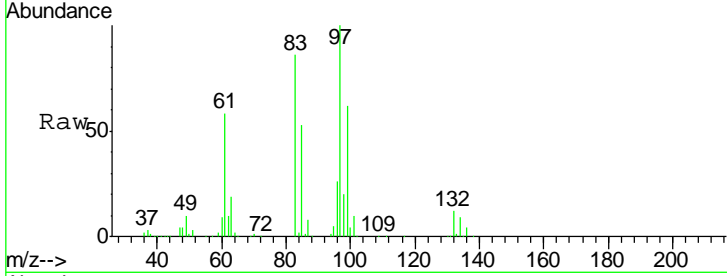
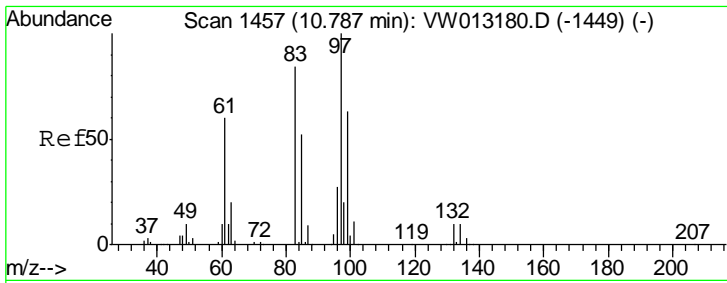
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#54
 cis-1,3-Dichloropropene
 Concen: 50.023 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
75	244490		
75	100		
77	30.8	25.2	37.8
39	45.3	36.6	55.0



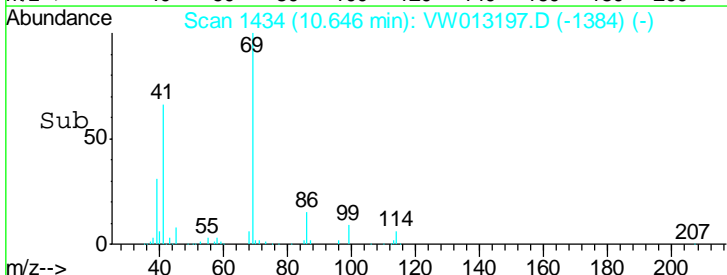
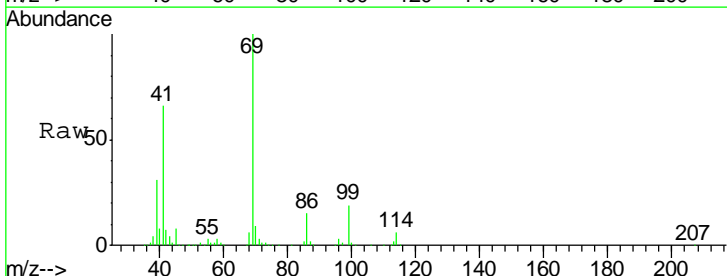
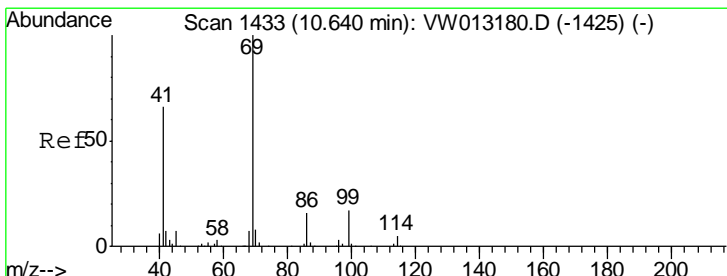
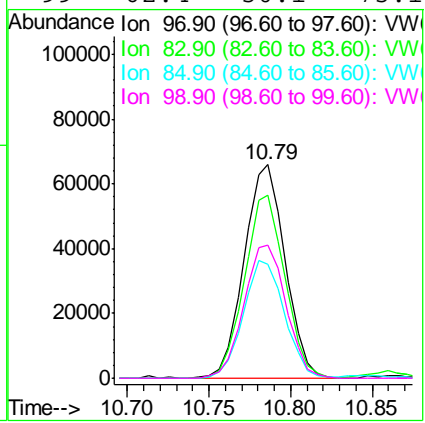


#55
 1,1,2-Trichloroethane
 Concen: 50.203 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
97	115379		
97	100		
83	85.5	67.6	101.4
85	53.1	41.9	62.9
99	62.4	50.1	75.1

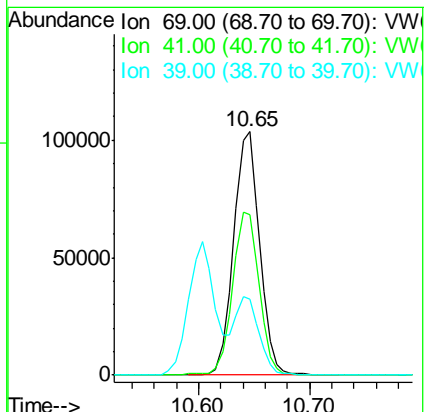
Instrument : MSVOA_W
 ClientSampleId : VSTDCCC050

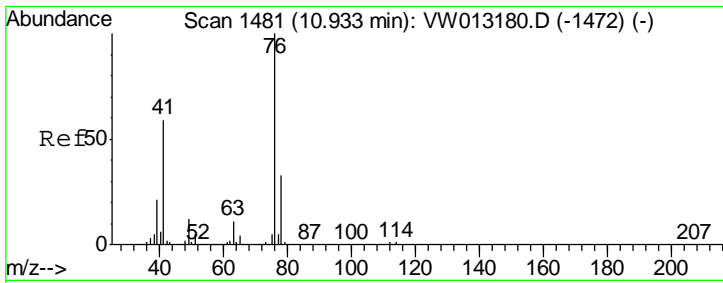
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 55.655 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
69	167400		
69	100		
41	68.7	53.9	80.9
39	28.9	23.8	35.6



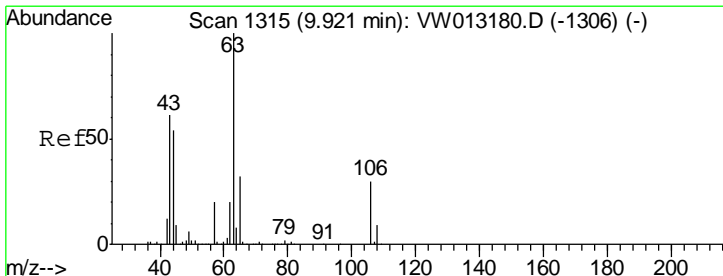
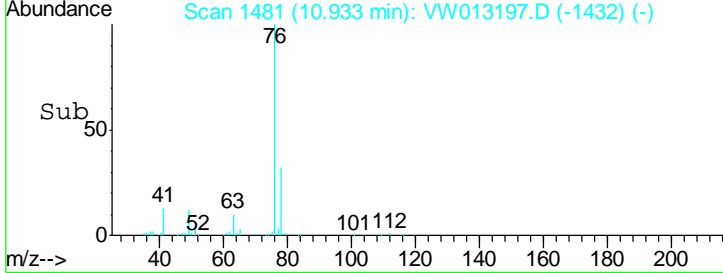
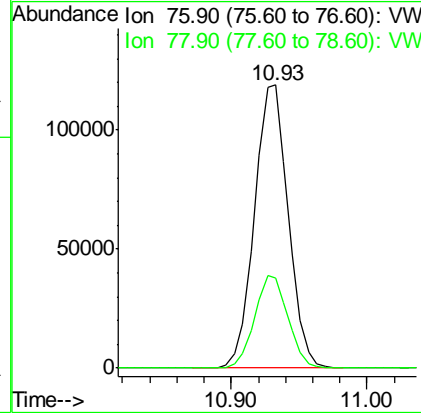
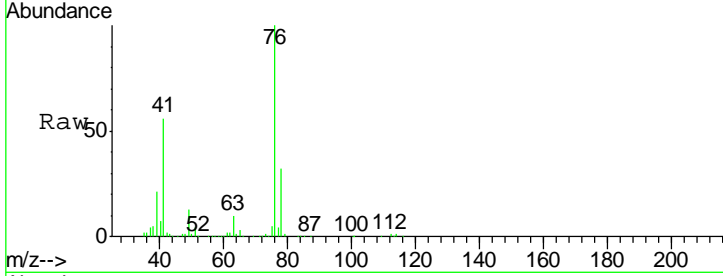


#57
 1,3-Dichloropropane
 Concen: 51.545 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

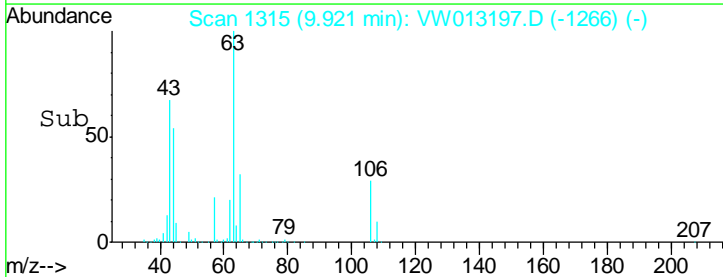
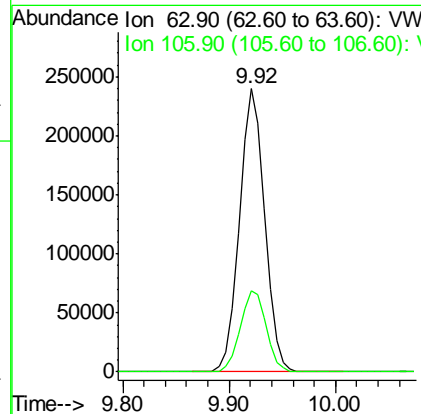
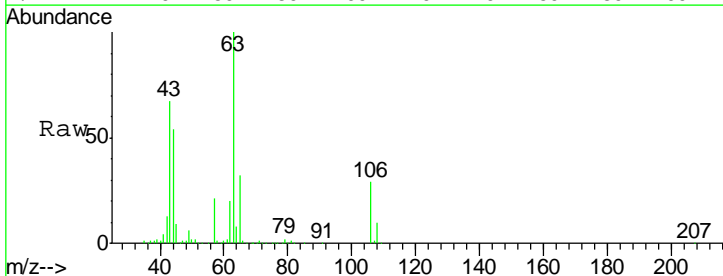
Tgt Ion	Resp	Lower	Upper
76	206724		
76	100		
78	32.3	25.5	38.3

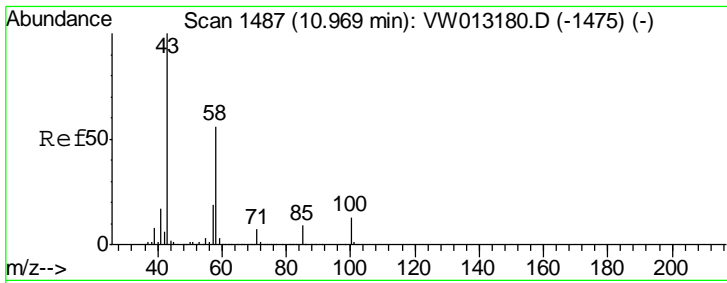
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#58
 2-Chloroethyl Vinyl ether
 Concen: 286.866 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
63	399446		
63	100		
106	29.5	23.4	35.0



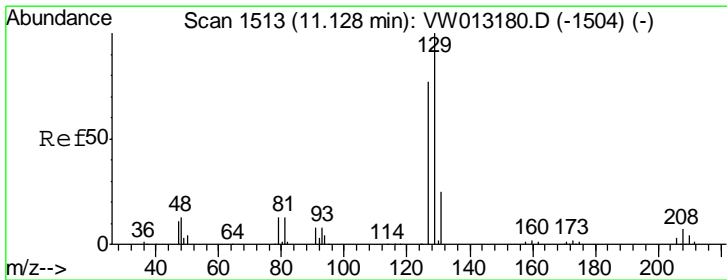
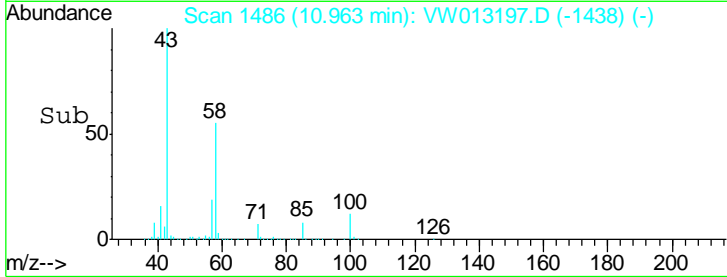
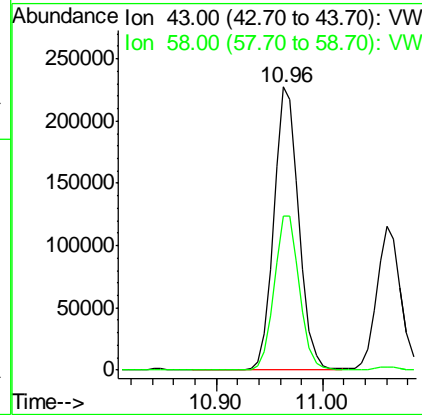
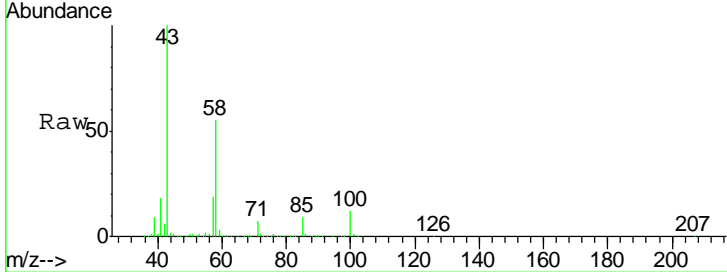


#59
 2-Hexanone
 Concen: 282.763 ug/l
 RT: 10.96 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

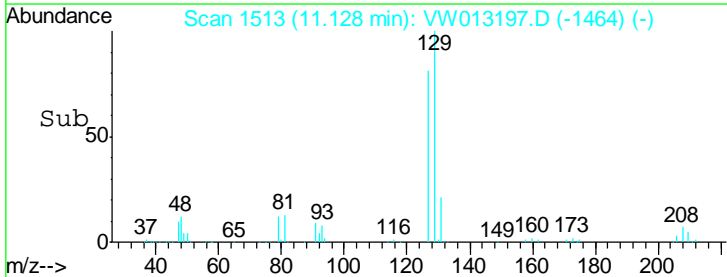
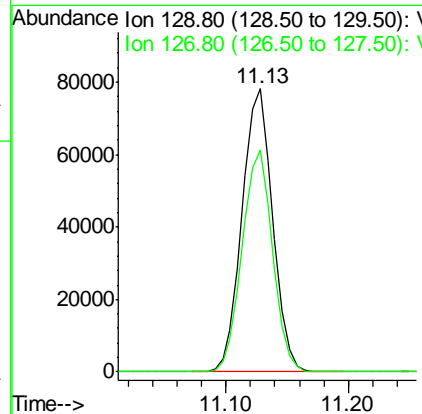
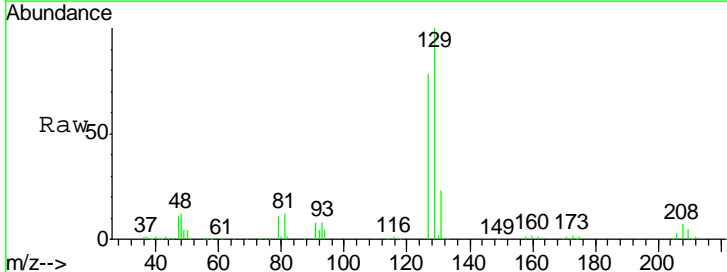
Tgt Ion	Resp	Lower	Upper
43	100		
58	55.6	28.1	84.2

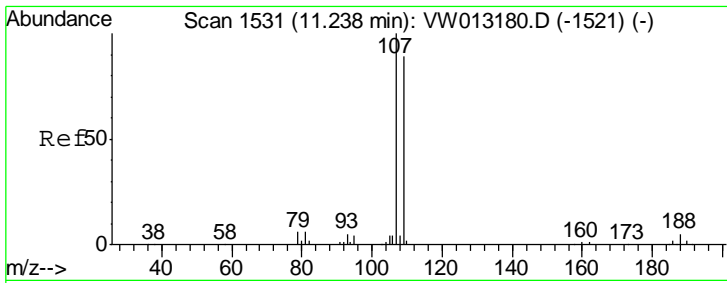
Manual Integrations
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#60
 Dibromochloromethane
 Concen: 51.764 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
129	100		
127	78.0	38.8	116.4



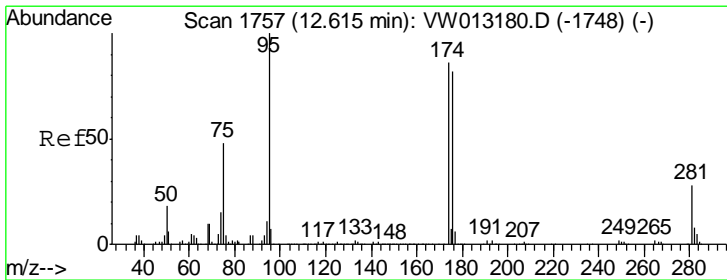
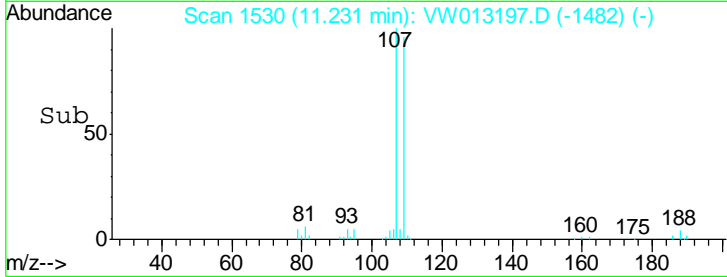
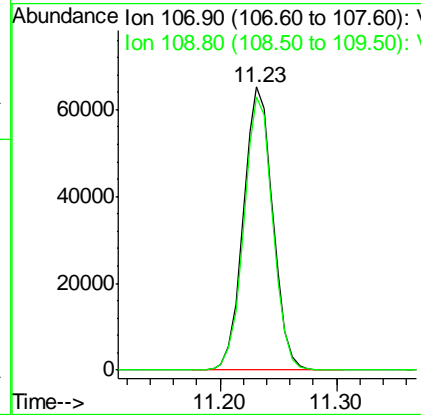
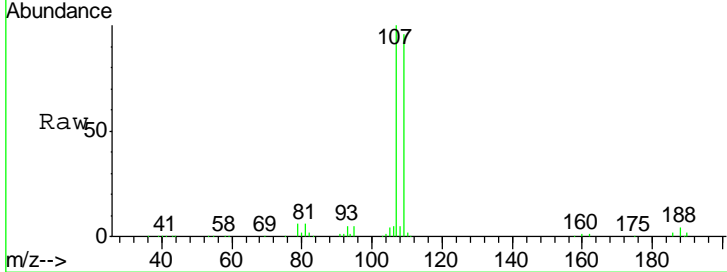


#61
 1,2-Dibromoethane
 Concen: 52.459 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 Client Sampled : VSTDC050

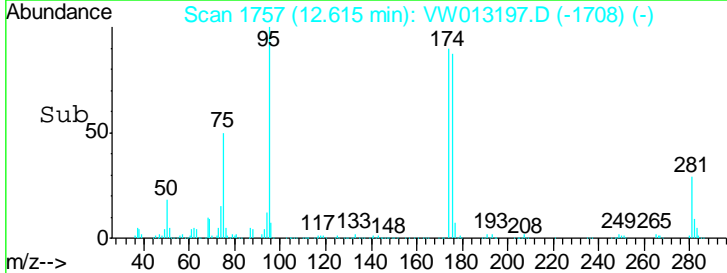
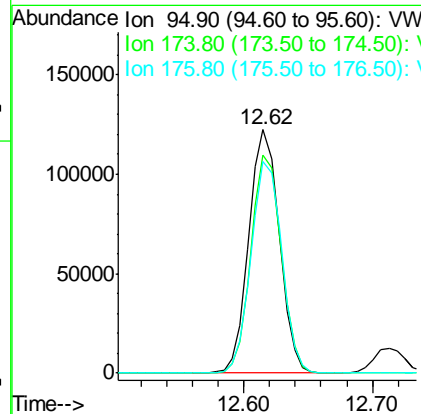
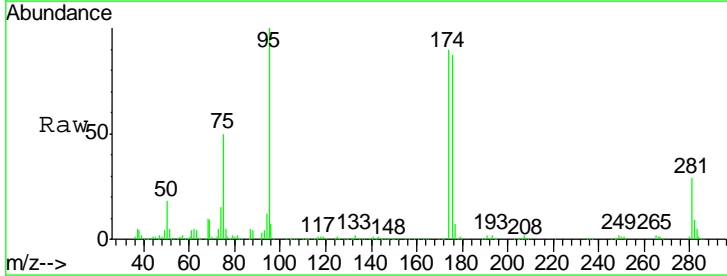
Tgt Ion	Resp	Lower	Upper
107	114631		
109	94.8	75.2	112.8

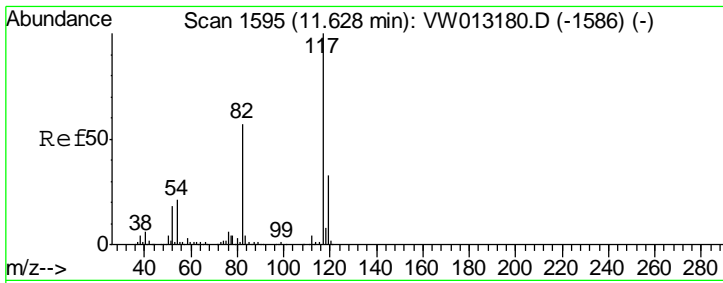
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 52.956 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
95	199935		
174	88.9	0.0	178.4
176	87.4	0.0	172.2



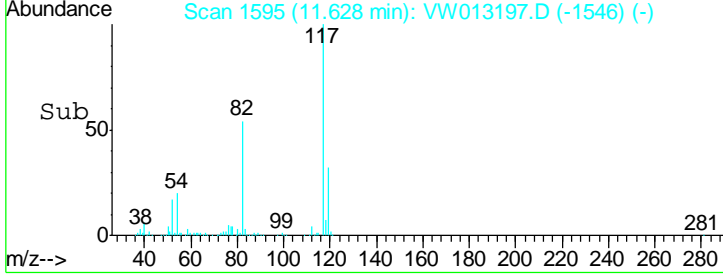
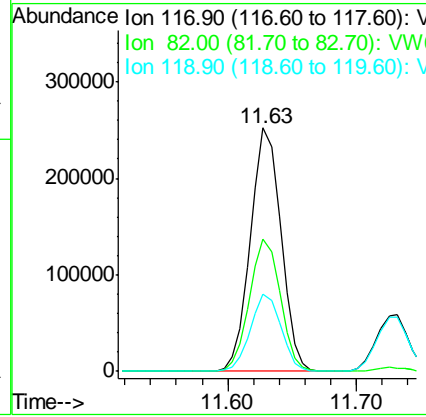
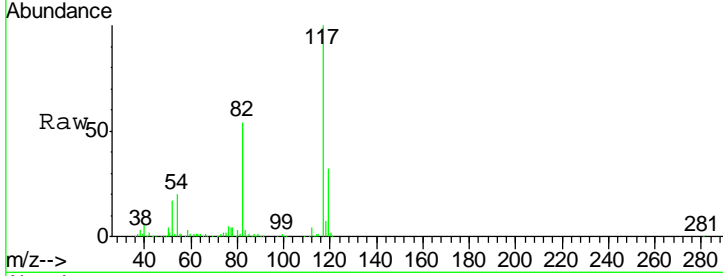


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

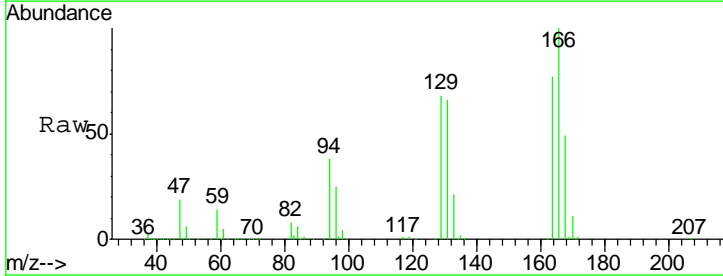
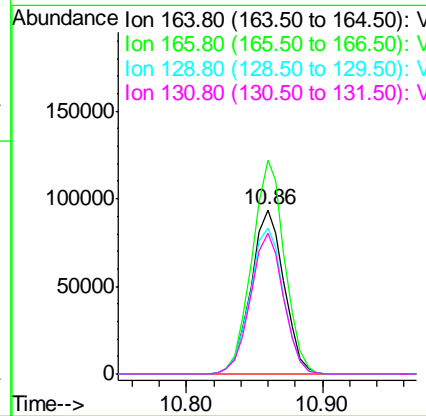
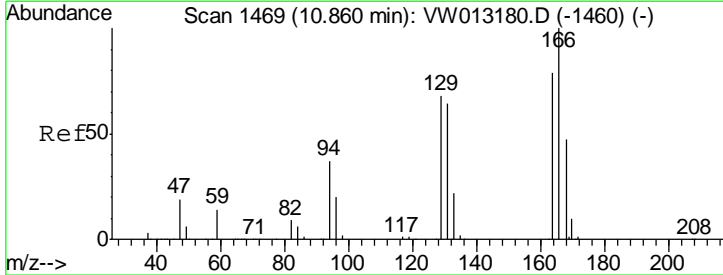
Tgt Ion	Resp	Lower	Upper
117	413145		
82	54.4	45.9	68.9
119	31.6	26.2	39.2

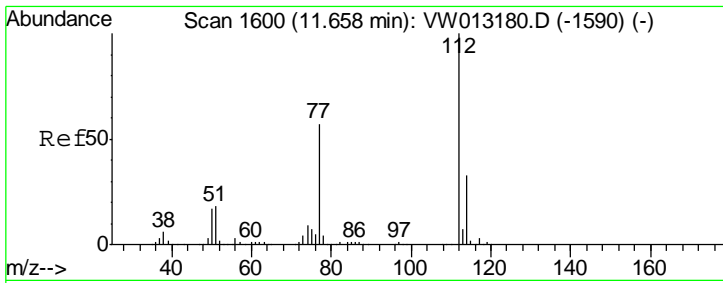
Manual Integrations
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#64
 Tetrachloroethene
 Concen: 50.717 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
164	158982		
166	129.9	101.2	151.8
129	89.0	68.8	103.2
131	85.3	65.2	97.8



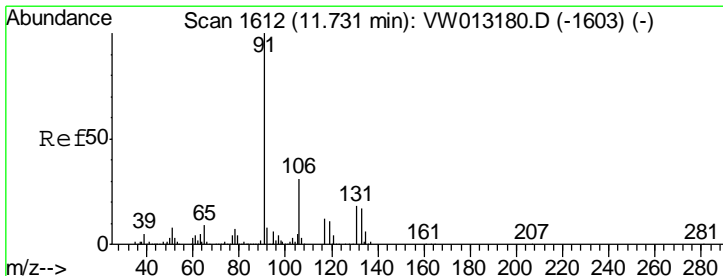
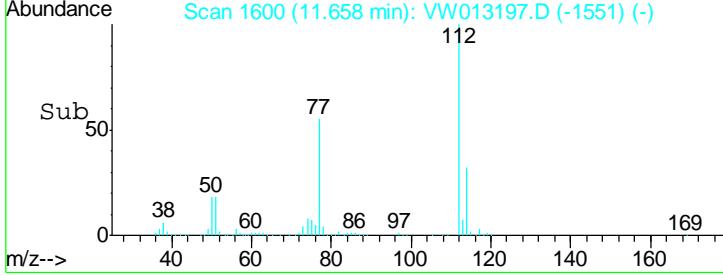
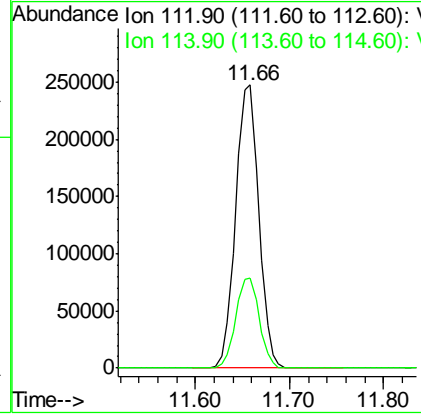
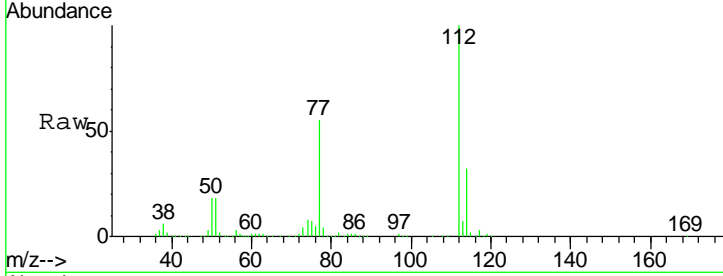


#65
 Chlorobenzene
 Concen: 49.030 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 Client Sampled : VSTDC050

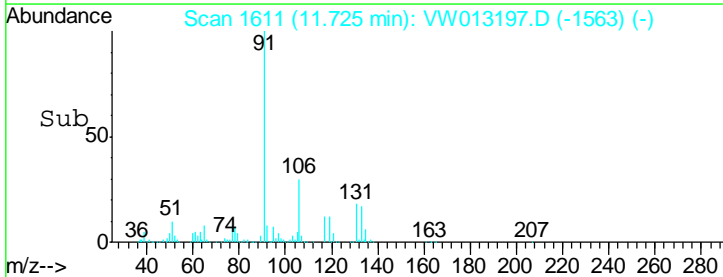
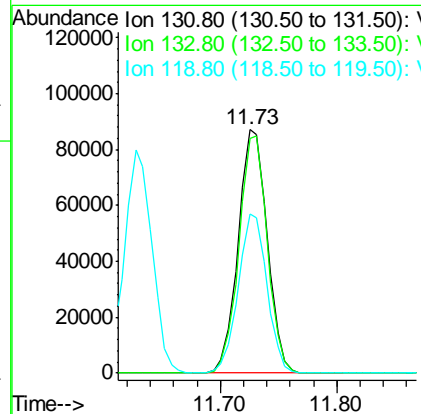
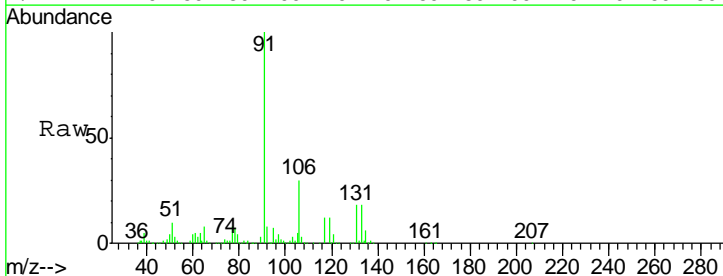
Tgt Ion	Resp	Lower	Upper
112	422993		
114	31.8	26.5	39.7

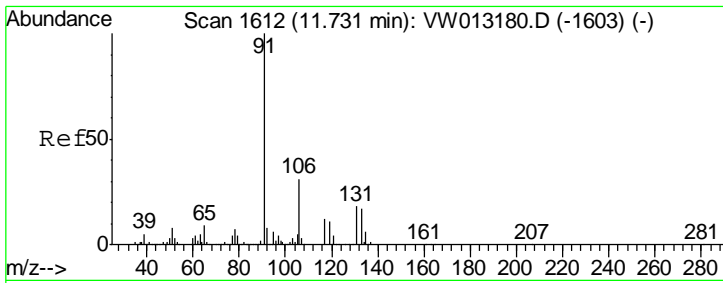
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.407 ug/l
 RT: 11.73 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
131	151516		
133	95.1	47.5	142.6
119	64.6	32.5	97.5



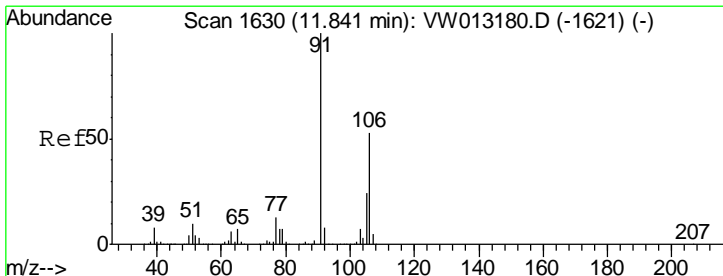
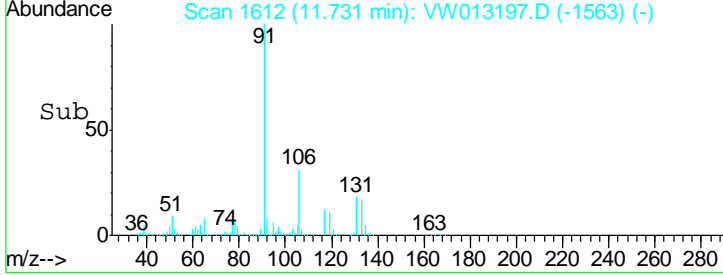
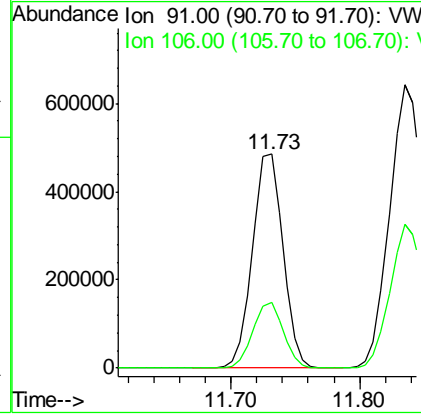
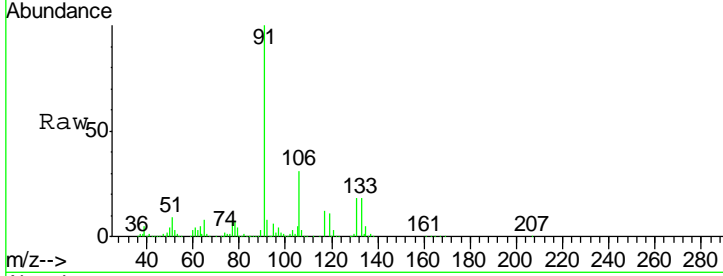


#67
 Ethyl Benzene
 Concen: 50.699 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

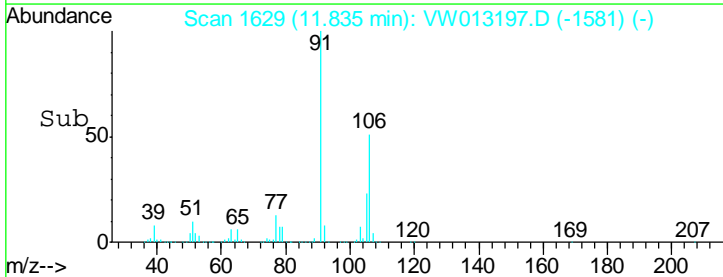
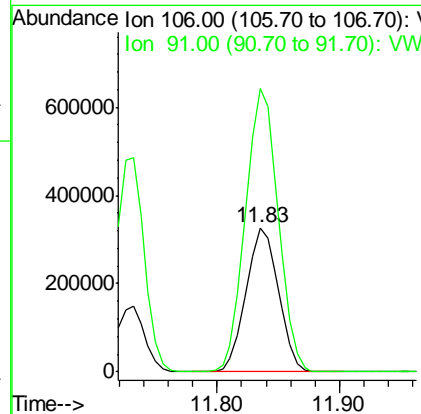
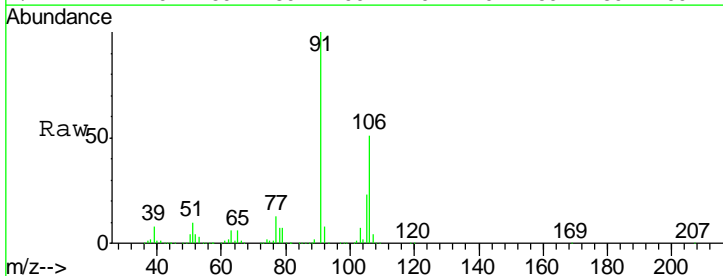
Tgt Ion	Resp	Lower	Upper
91	100		
106	30.9	24.9	37.3

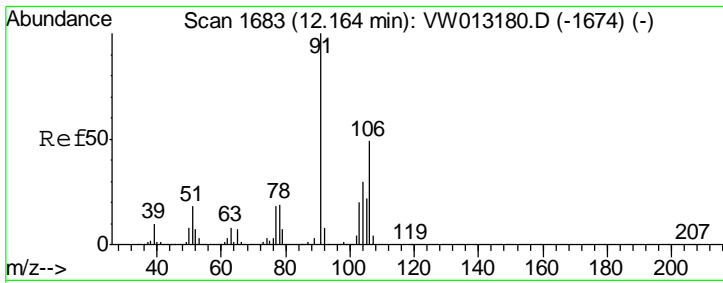
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#68
 m/p-Xylenes
 Concen: 101.308 ug/l
 RT: 11.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
106	100		
91	198.2	157.9	236.9



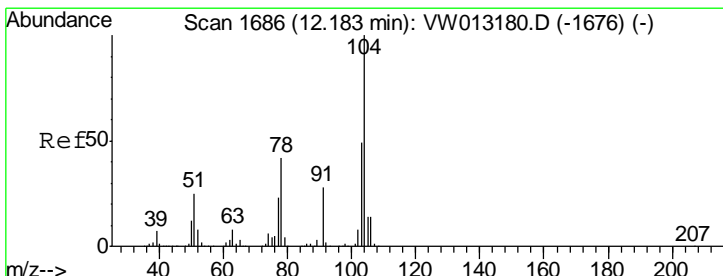
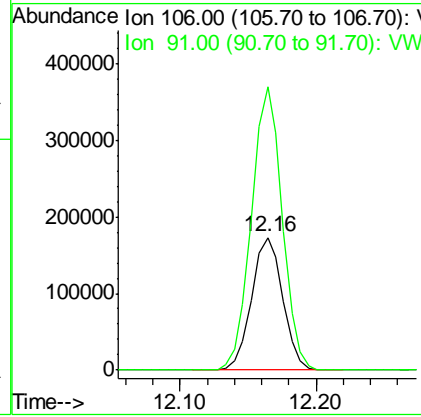
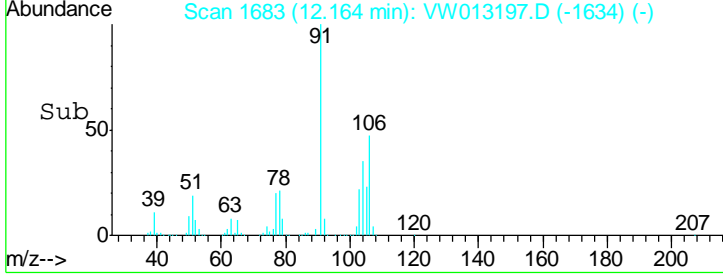
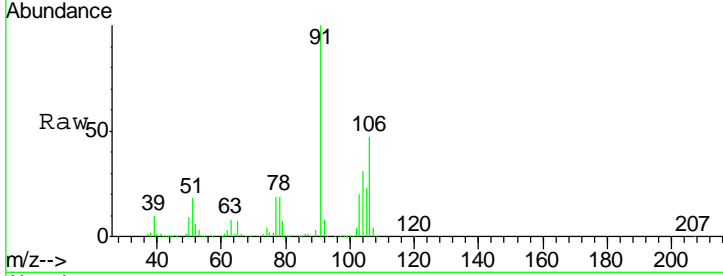


#69
 o-Xylene
 Concen: 50.274 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 Client Sampled : VSTDC050

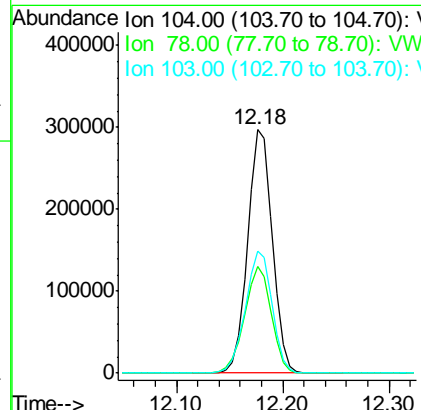
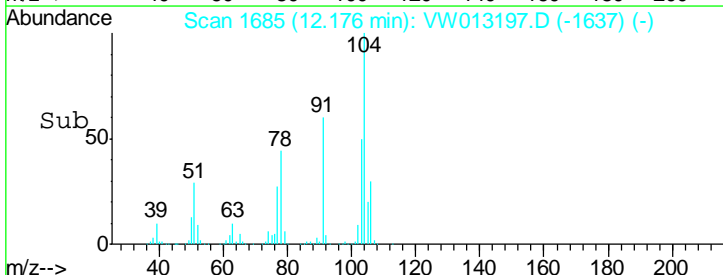
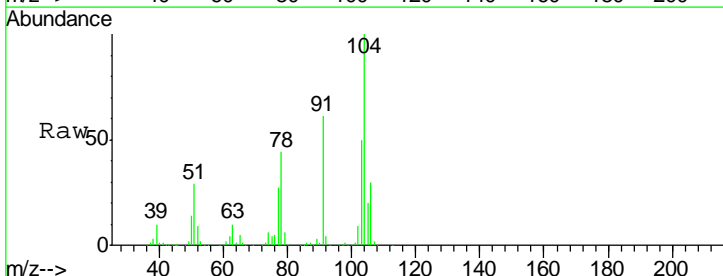
Tgt Ion	Resp	Lower	Upper
106	278418		
106	100		
91	210.6	106.5	319.5

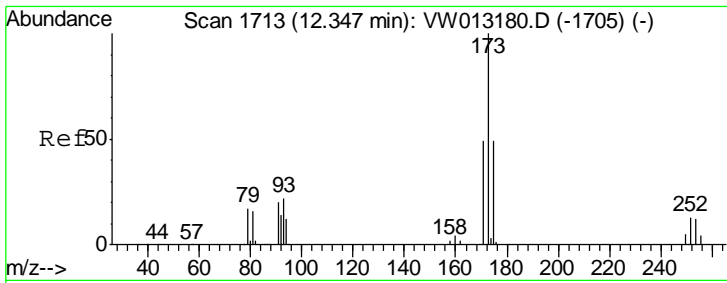
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#70
 Styrene
 Concen: 50.963 ug/l
 RT: 12.18 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
104	484537		
104	100		
78	47.5	38.4	57.6
103	54.2	43.3	64.9





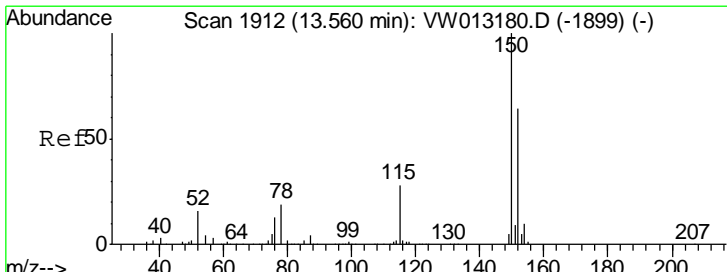
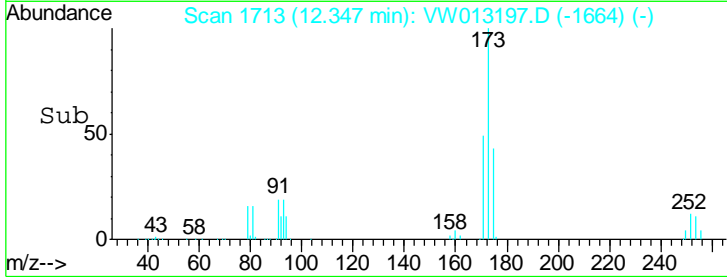
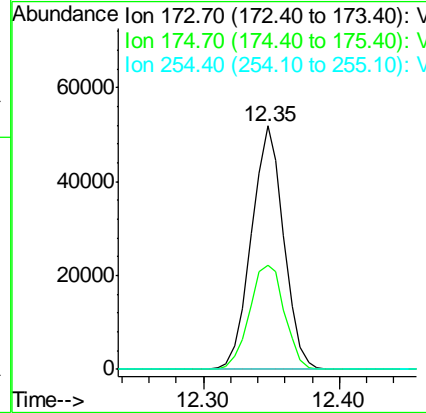
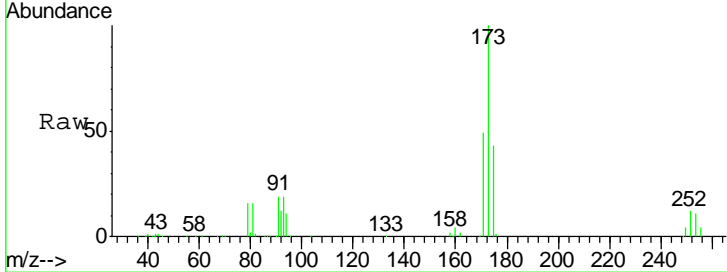
#71
 Bromoform
 Concen: 55.380 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	46.5	24.3	73.0
254	0.0	0.1	0.1

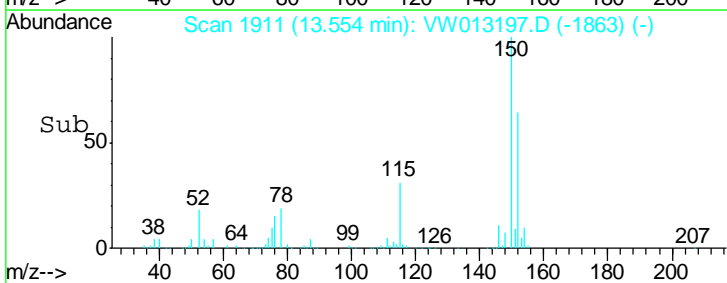
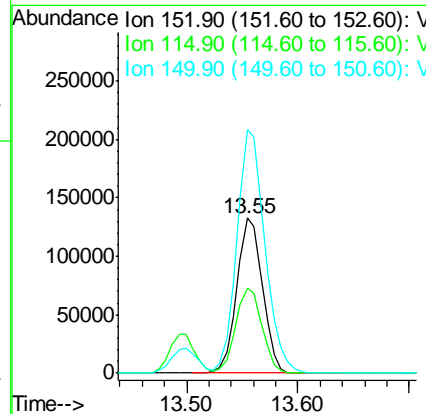
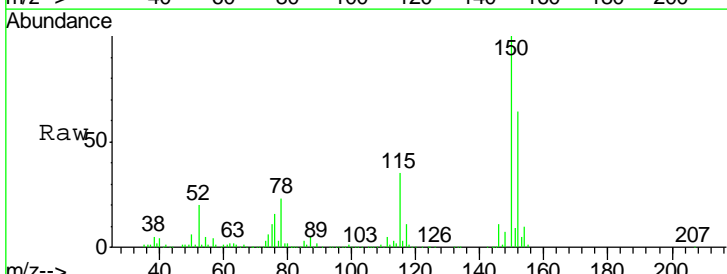
Manual Integrations
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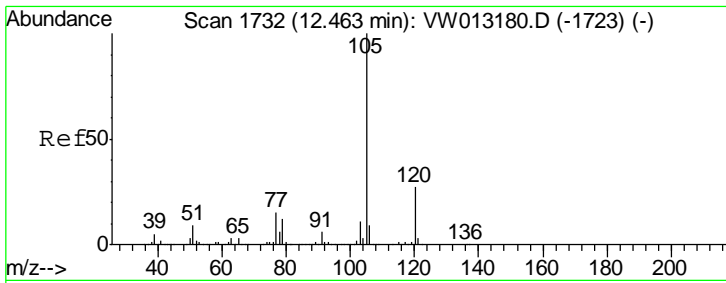
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.7	27.3	81.9
150	171.3	0.0	349.0



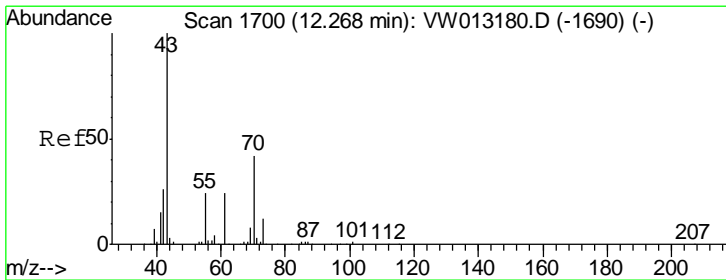
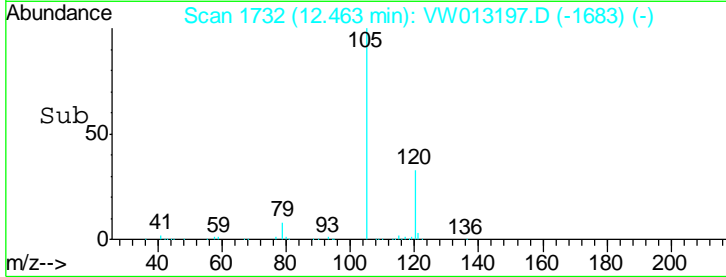
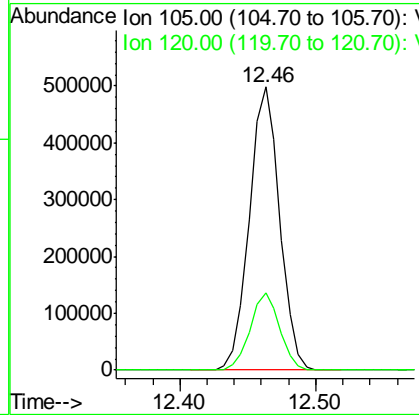
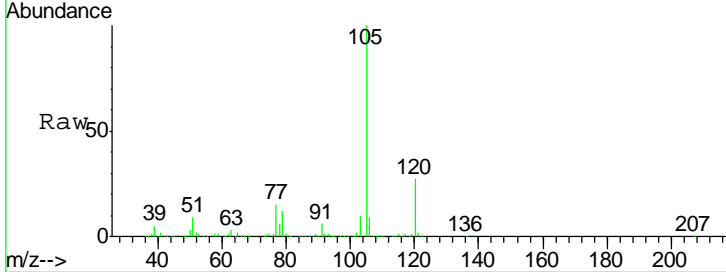


#73
 Isopropylbenzene
 Concen: 49.675 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

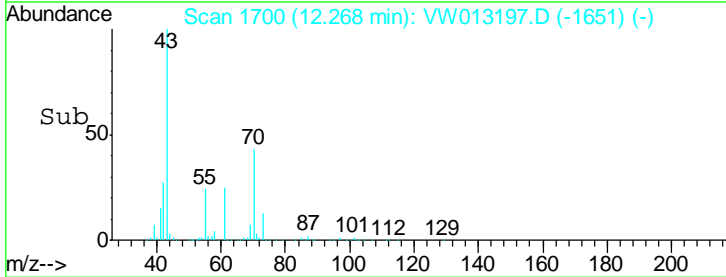
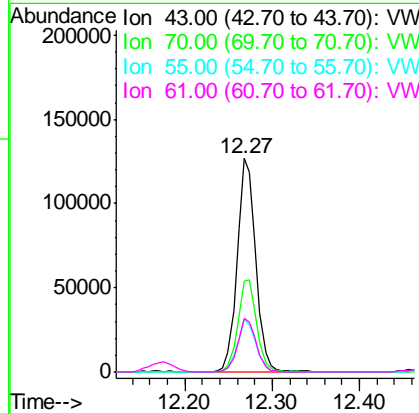
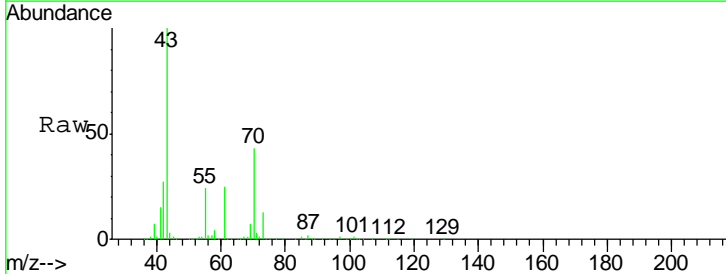
Tgt Ion: 105 Resp: 777259
 Ion Ratio Lower Upper
 105 100
 120 26.7 13.4 40.1

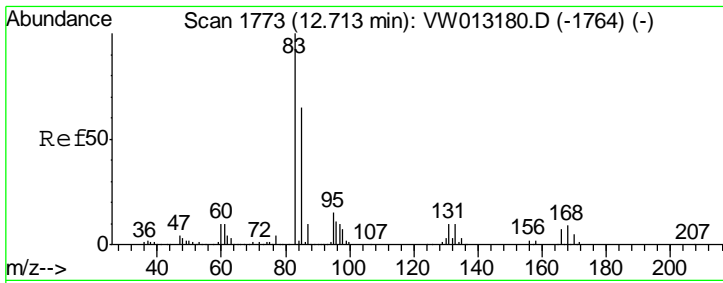
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#74
 N-aryl acetate
 Concen: 54.590 ug/l
 RT: 12.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion: 43 Resp: 189538
 Ion Ratio Lower Upper
 43 100
 70 43.7 35.1 52.7
 55 24.5 19.9 29.9
 61 24.9 19.5 29.3



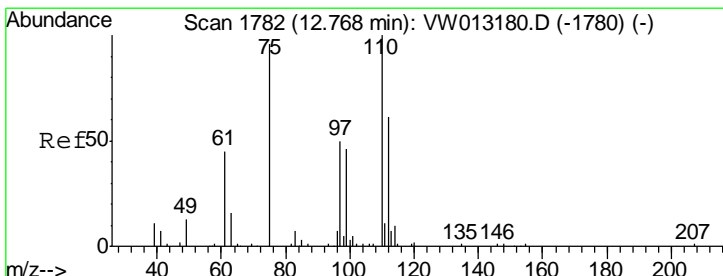
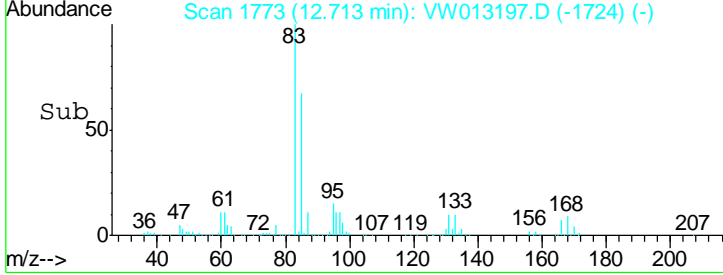
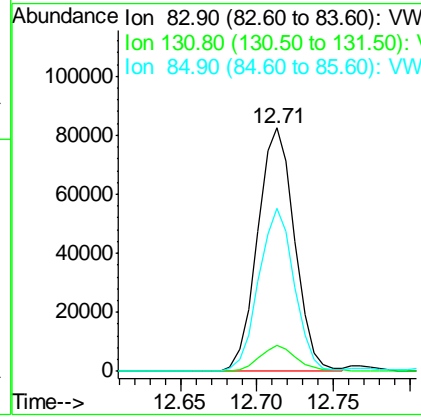
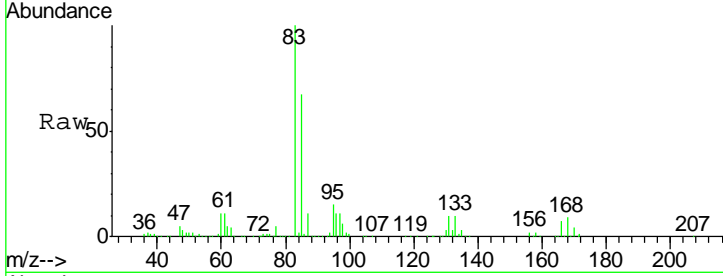


#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.096 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

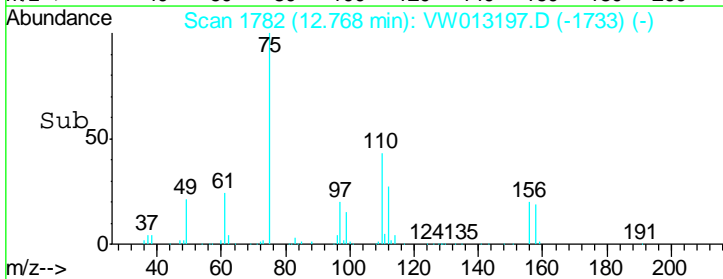
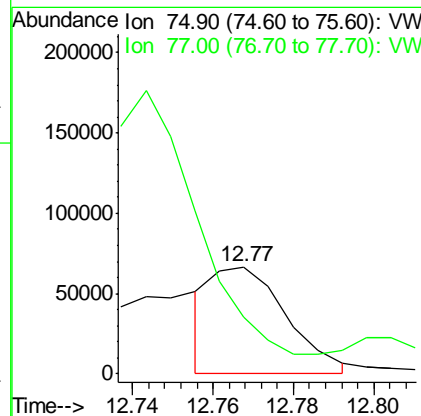
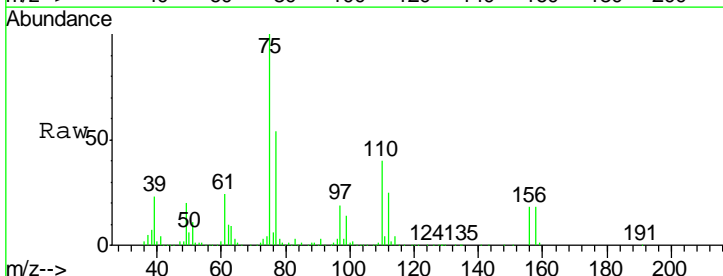
Tgt Ion	Resp	Lower	Upper
83	138942		
83	100		
131	10.8	5.4	16.2
85	64.2	31.9	95.9

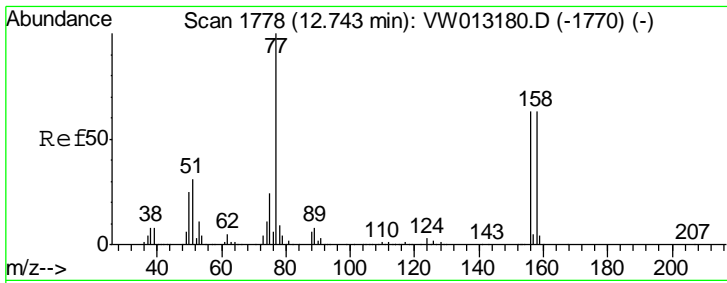
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#76
 1,2,3-Trichloropropane
 Concen: 46.101 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
75	86236		
75	100		
77	0.0	0.0	0.0



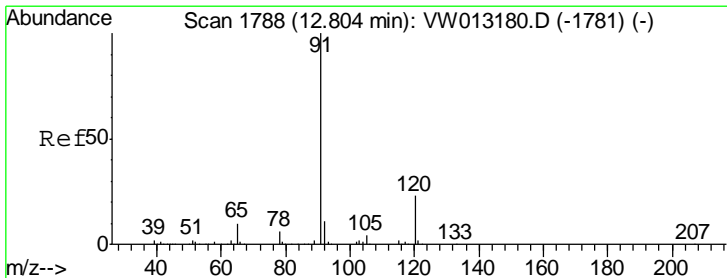
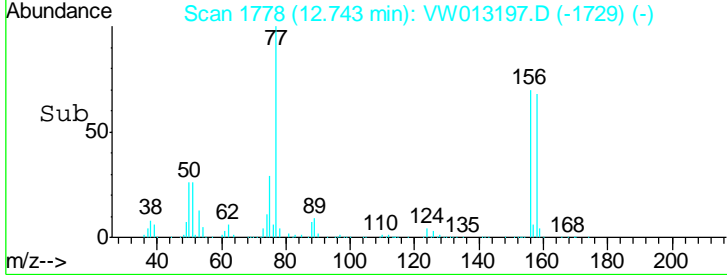
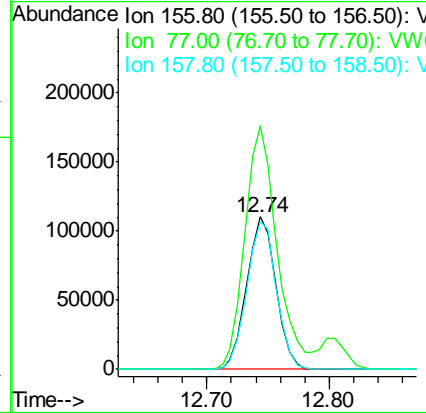
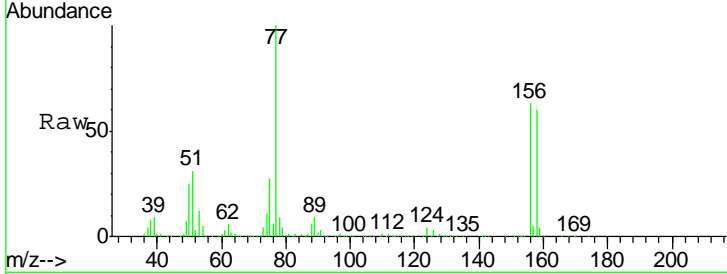


#77
 Bromobenzene
 Concen: 49.206 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

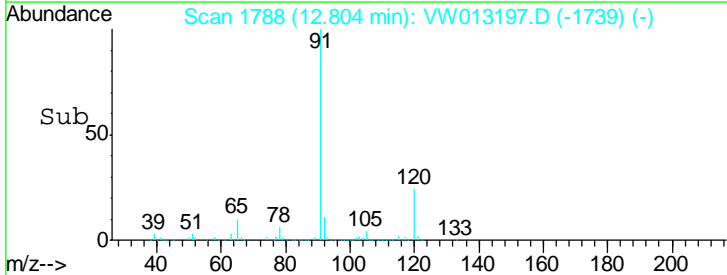
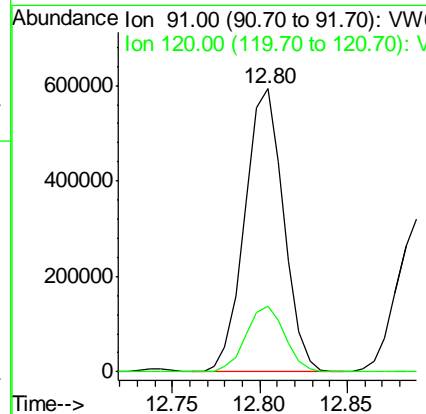
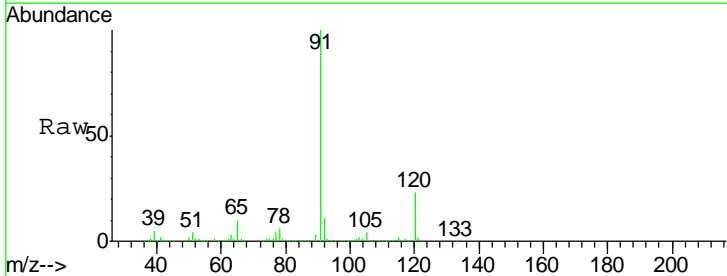
Tgt Ion	Resp	Lower	Upper
156	182452		
77	176.7	85.7	257.1
158	98.1	48.1	144.4

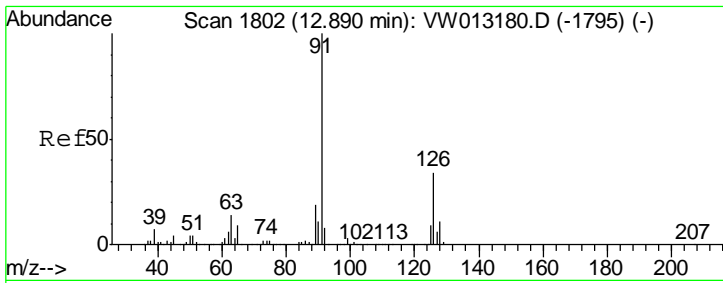
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#78
 n-propylbenzene
 Concen: 49.976 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
91	915324		
120	23.3	11.7	35.1



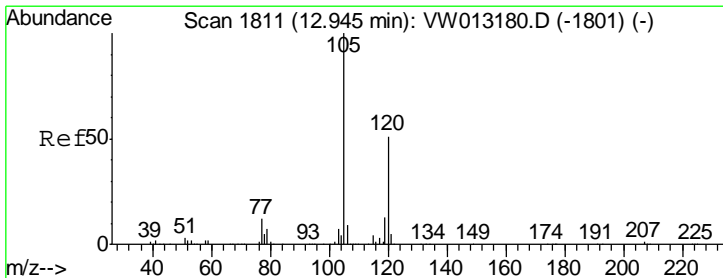
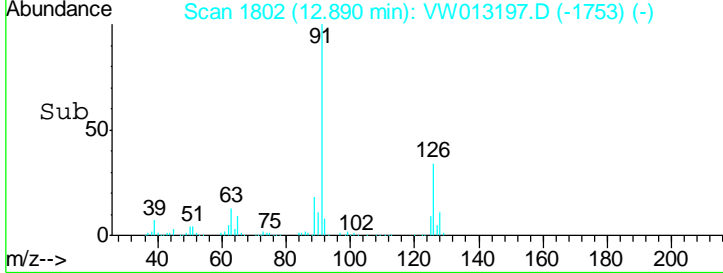
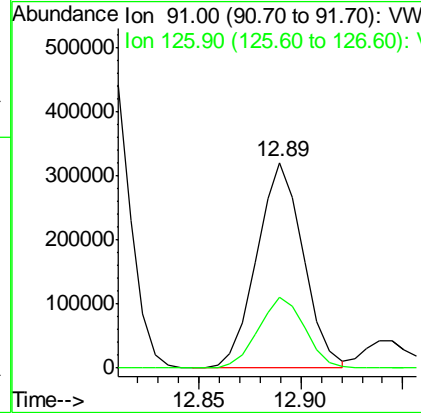
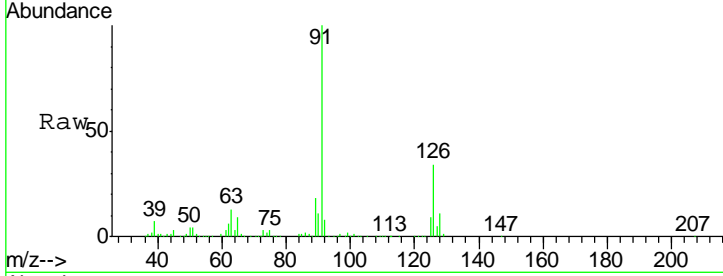


#79
 2-Chlorotoluene
 Concen: 49.329 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDCCC050

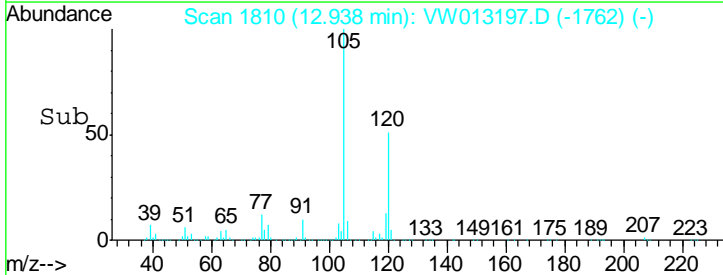
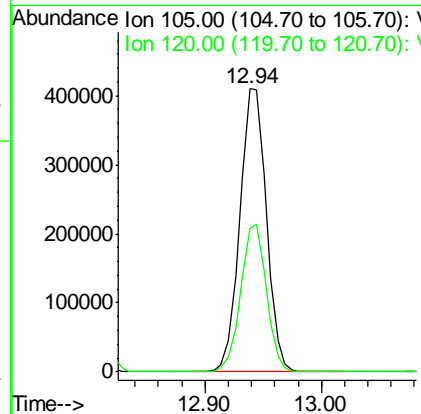
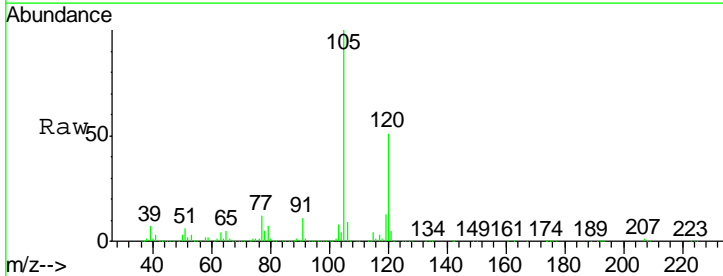
Tgt Ion	Resp	Lower	Upper
91	506163	100	
126	34.6	17.2	51.5

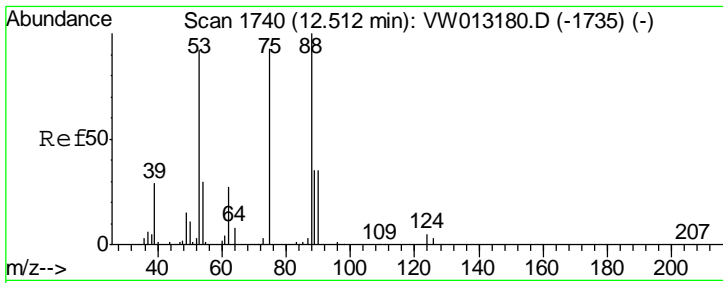
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.611 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
105	652529	100	
120	50.7	24.9	74.8



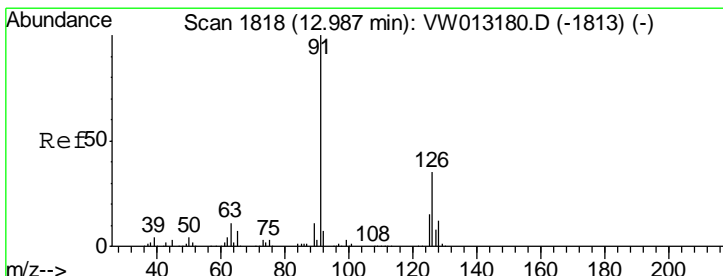
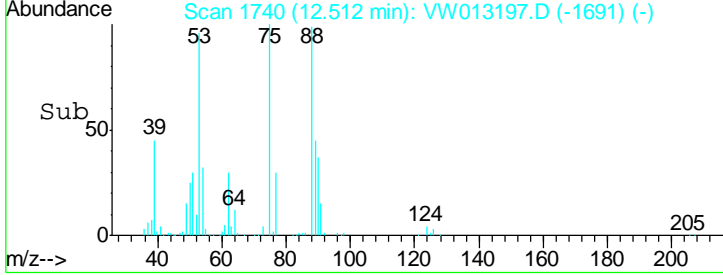
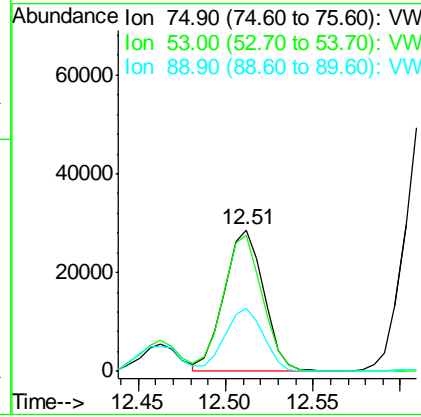
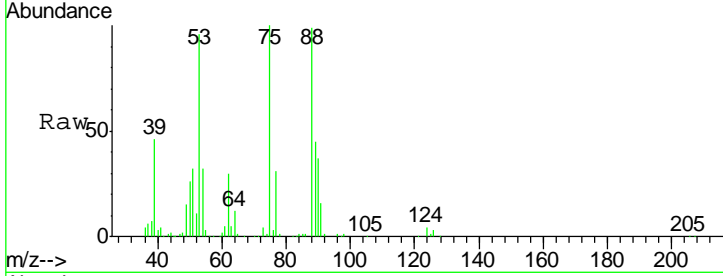


#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.346 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

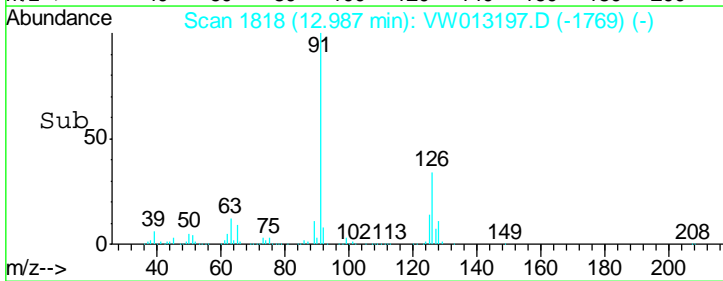
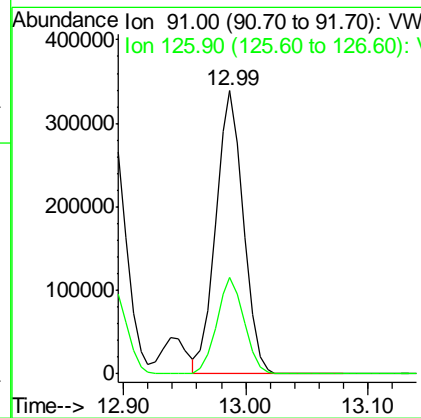
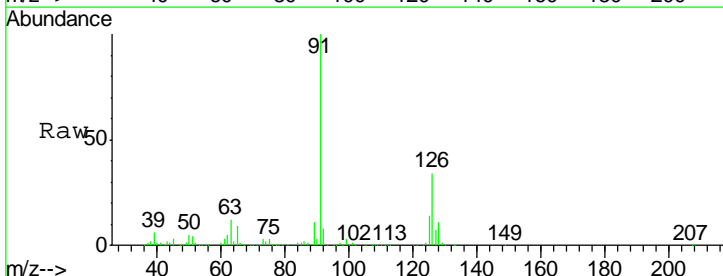
Tgt Ion	Resp	Lower	Upper
75	45305		
75	100		
53	95.3	76.6	114.8
89	43.9	33.5	50.3

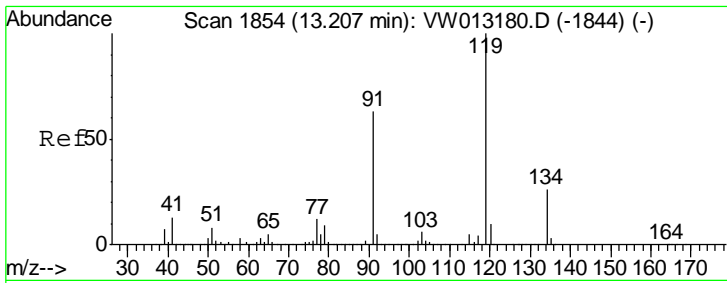
Manual Integrations
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 MMDadoda
 9/24/2019 5:28:58 AM



#82
 4-Chlorotoluene
 Concen: 49.056 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
91	530813		
91	100		
126	33.8	17.3	51.7



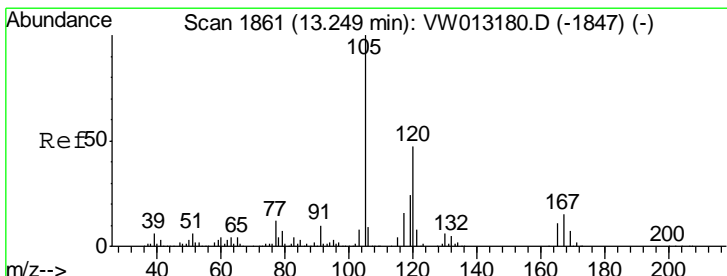
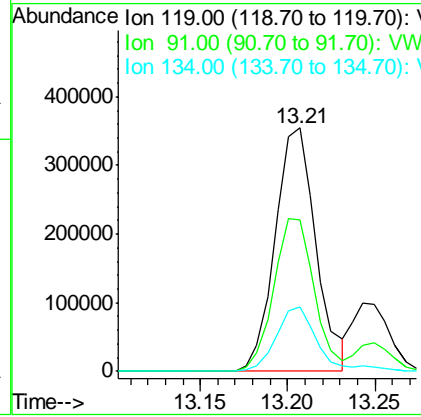
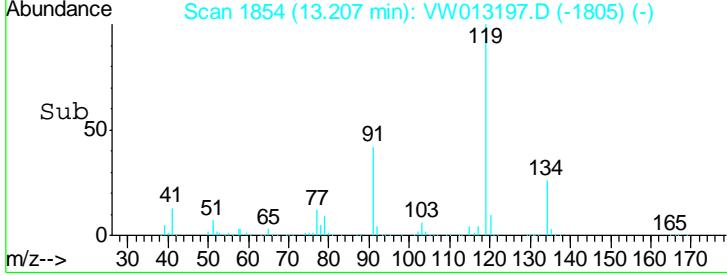
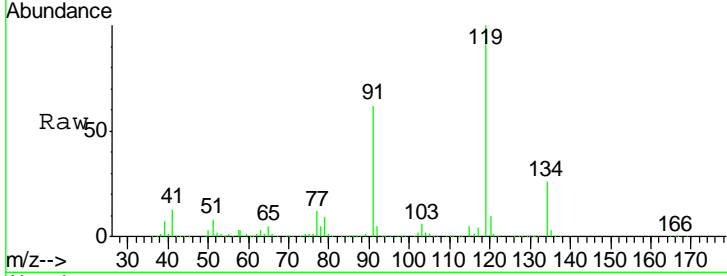


#83
 tert-Butylbenzene
 Concen: 50.023 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 Client Sampled : VSTDCCC050

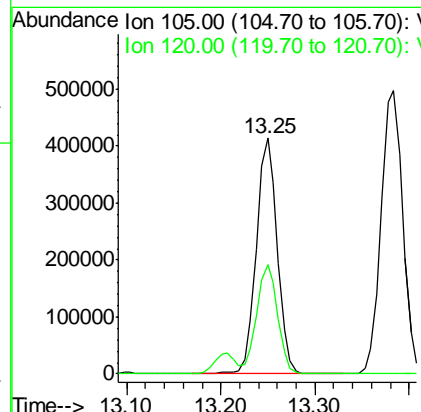
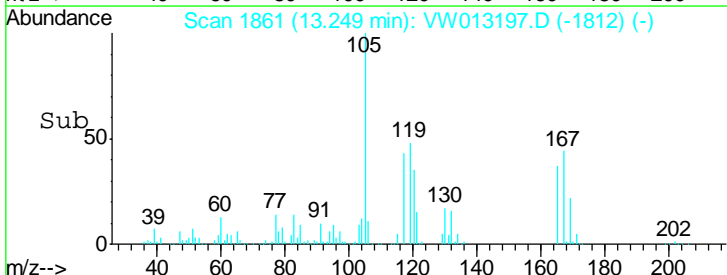
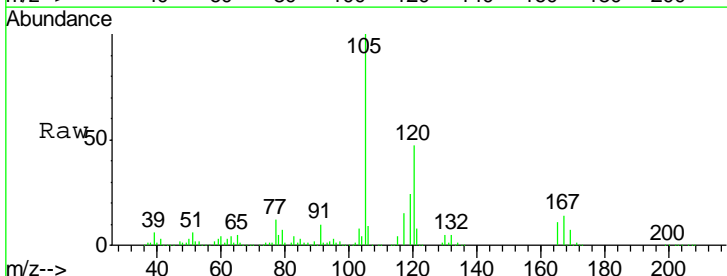
Tgt Ion	Resp	Lower	Upper
119	577486		
91	62.2	30.7	92.1
134	27.0	12.6	37.6

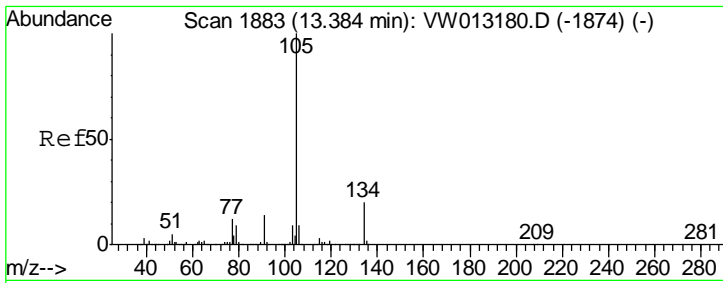
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.568 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
105	648757		
120	46.6	23.4	70.3



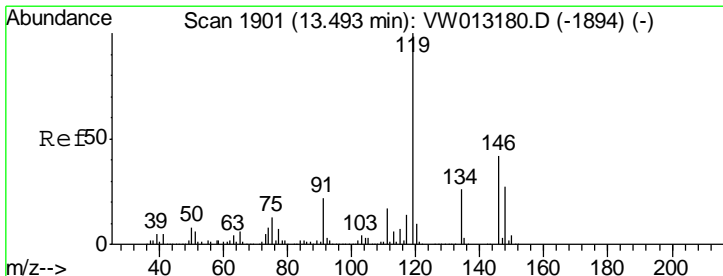
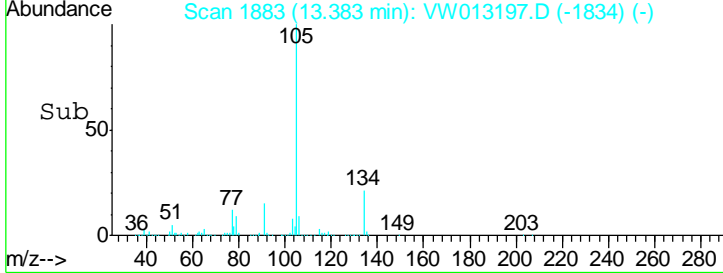
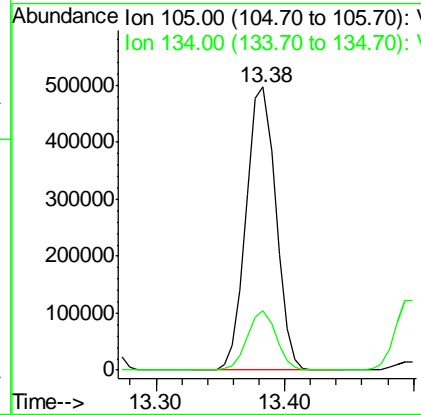
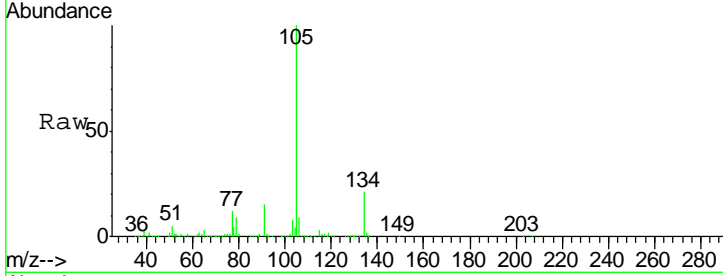


#85
 sec-Butylbenzene
 Concen: 49.707 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 ClientSampled : VSTDCCC050

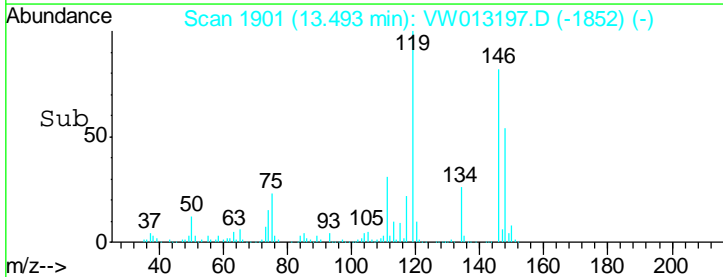
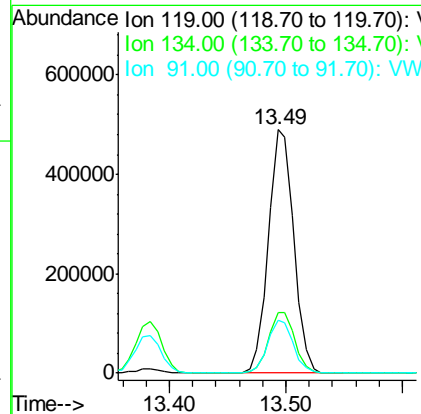
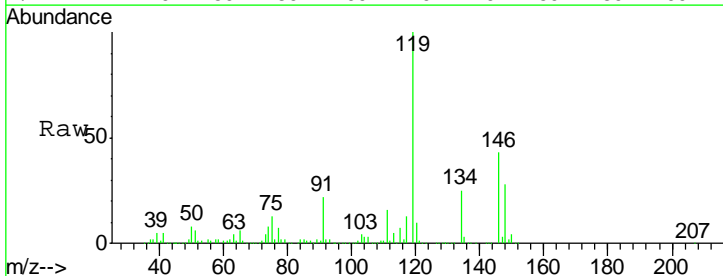
Tgt Ion	Resp	Lower	Upper
105	791140		
134	20.4	10.3	30.8

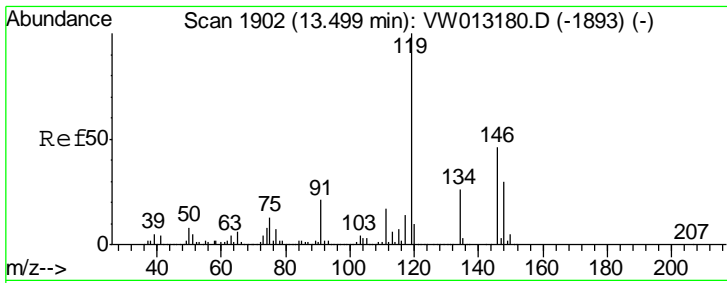
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 50.244 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
119	741717		
134	25.8	13.3	39.8
91	21.7	10.8	32.4



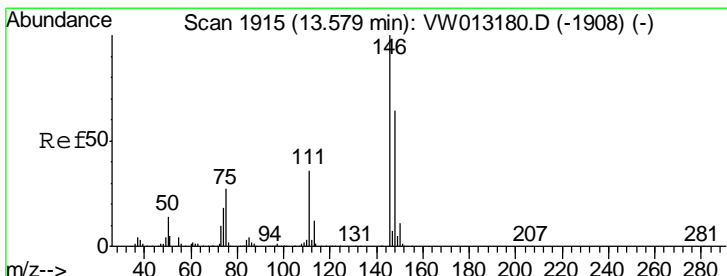
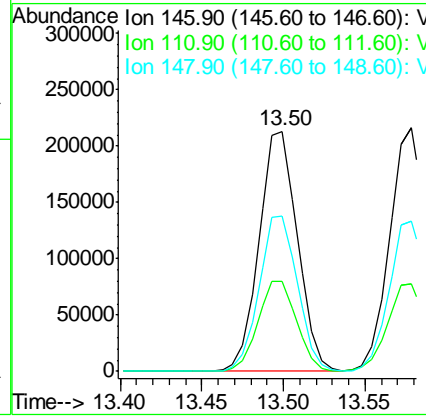
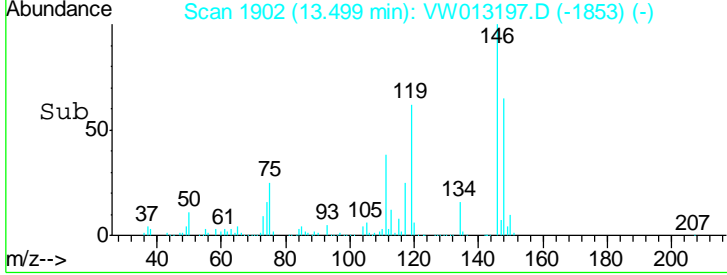
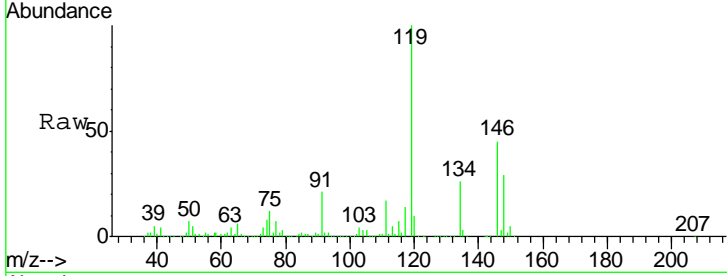


#87
 1,3-Dichlorobenzene
 Concen: 48.838 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

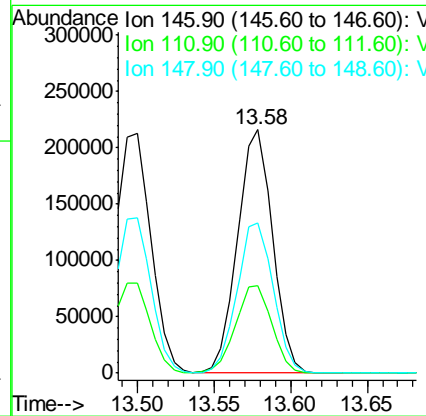
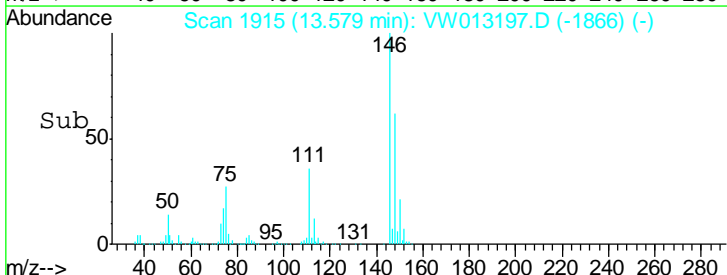
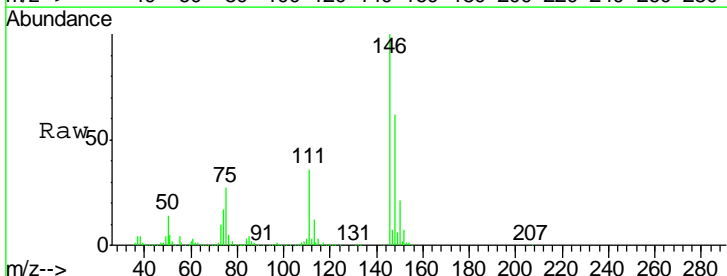
Tgt Ion	Resp	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	64.8	31.9	95.5

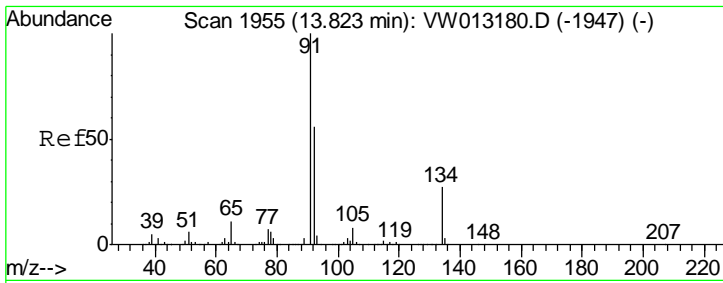
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#88
 1,4-Dichlorobenzene
 Concen: 49.099 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.3	18.4	55.0
148	64.0	32.1	96.3





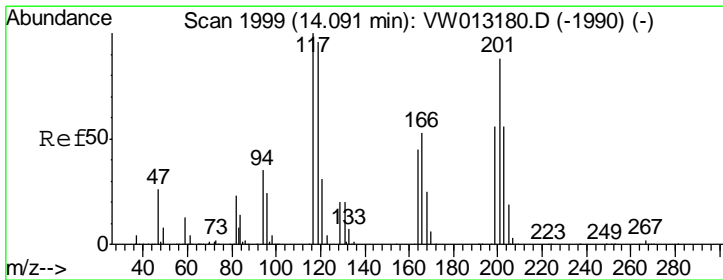
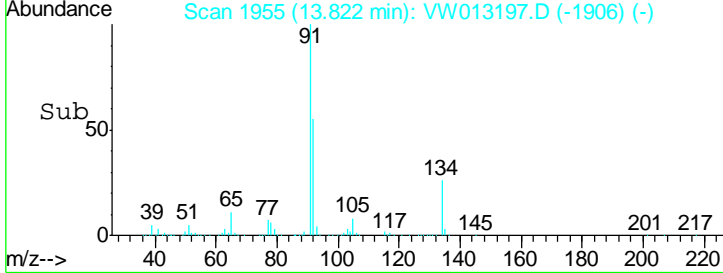
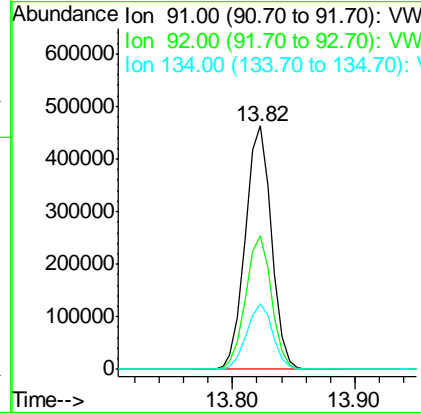
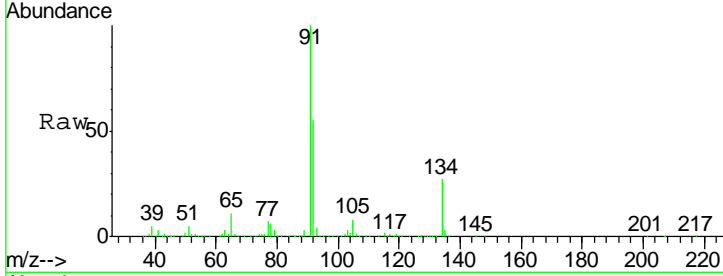
#89
 n-Butylbenzene
 Concen: 50.695 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.4	27.6	82.8
134	26.8	13.7	41.1

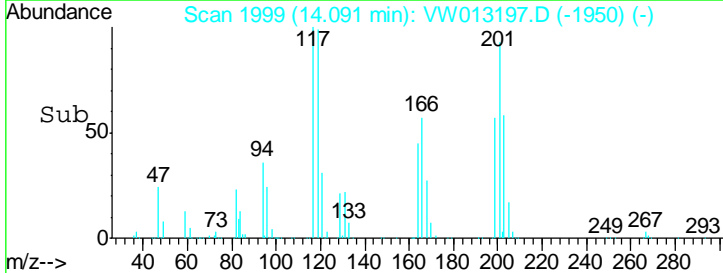
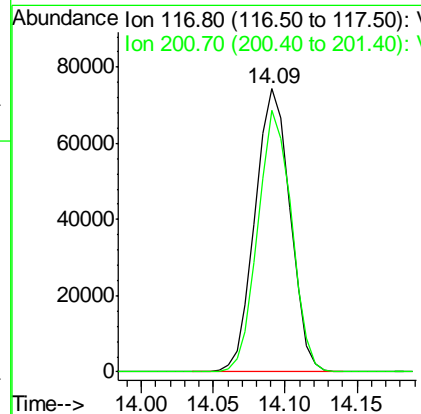
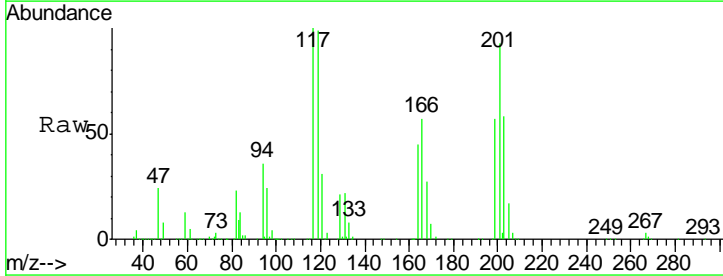
Manual Integrations
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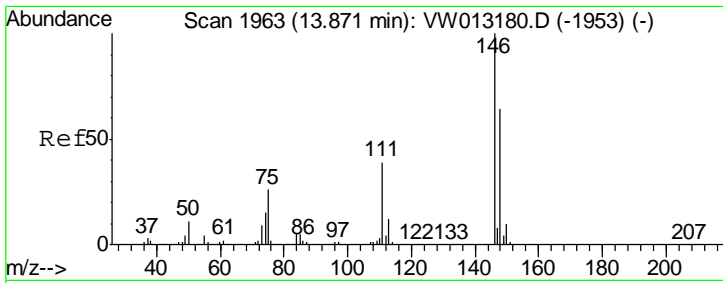
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#90
 Hexachloroethane
 Concen: 50.420 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
117	100		
201	88.8	44.5	133.5



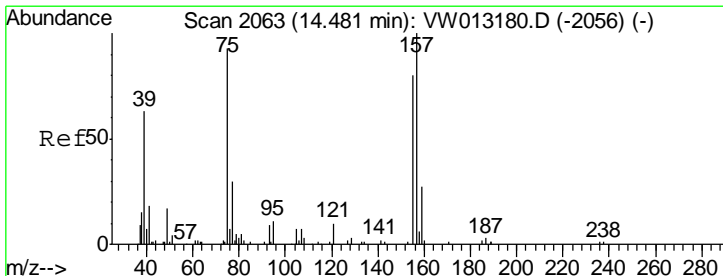
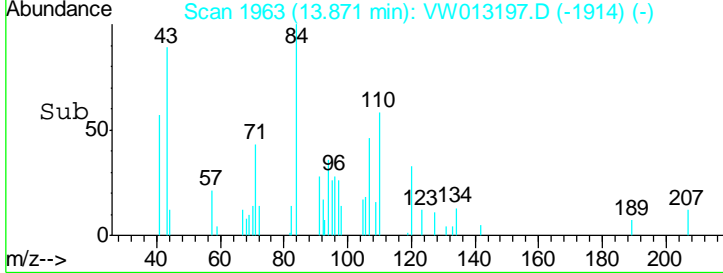
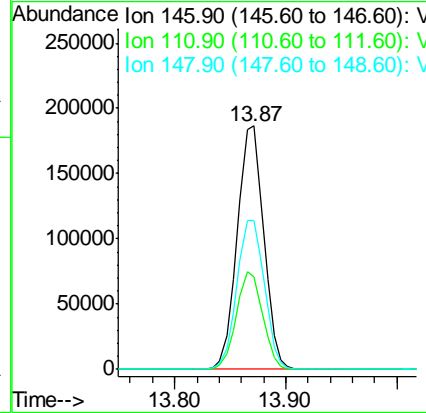
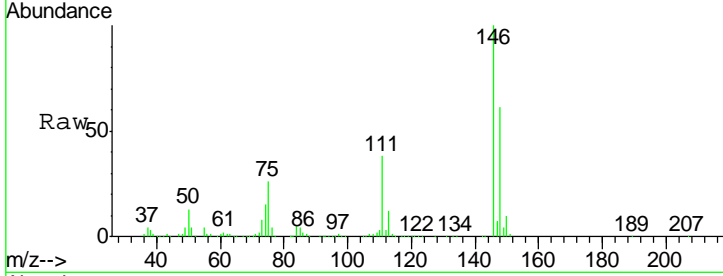


#91
 1,2-Dichlorobenzene
 Concen: 49.897 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDCCC050

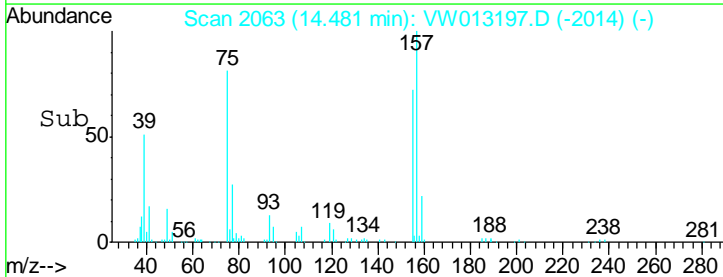
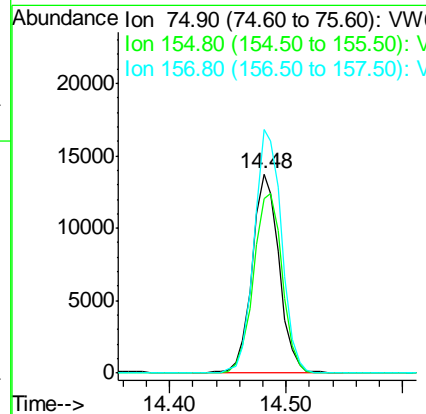
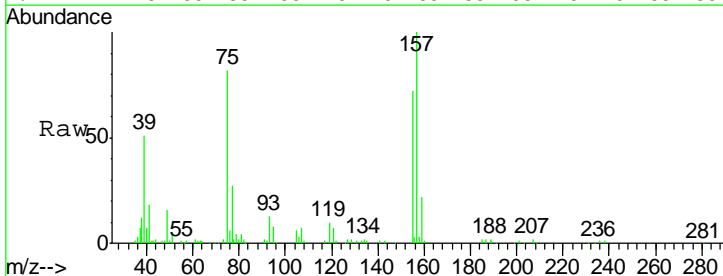
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.6	20.1	60.3
148	63.5	32.0	96.0

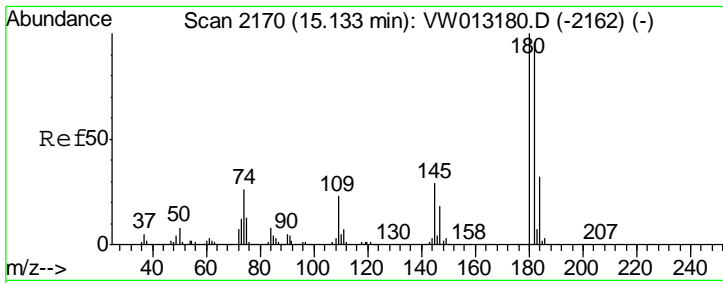
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.597 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
75	100		
155	95.4	46.1	138.3
157	123.1	60.4	181.2





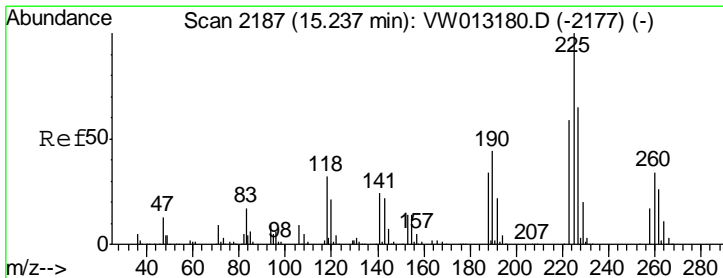
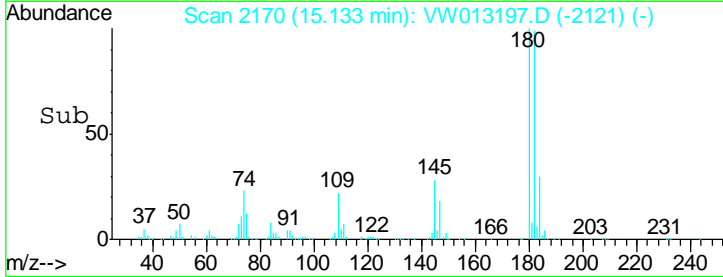
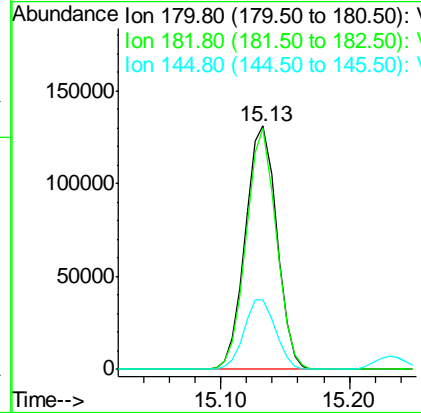
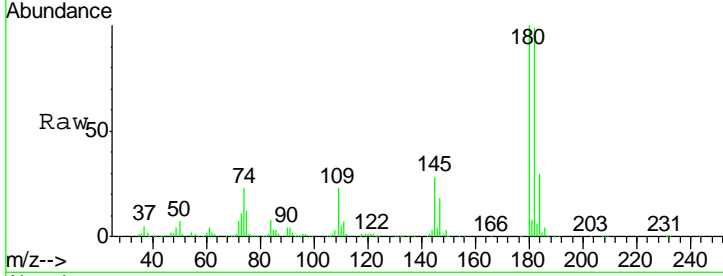
#93
 1,2,4-Trichlorobenzene
 Concen: 49.792 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	28.7	14.2	42.8

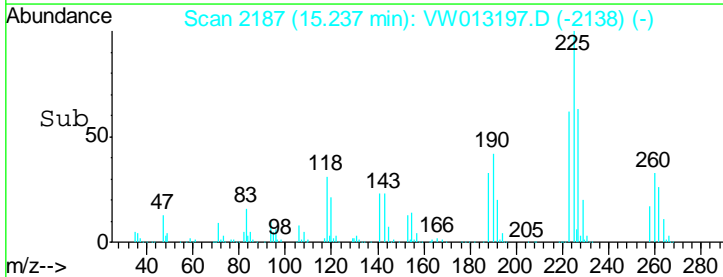
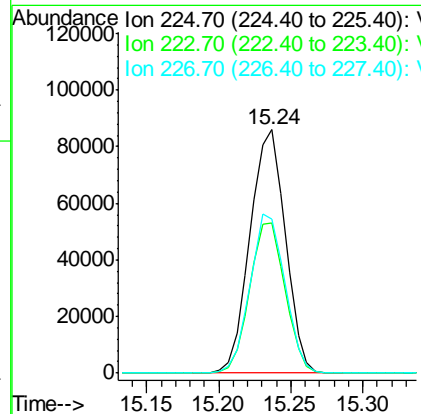
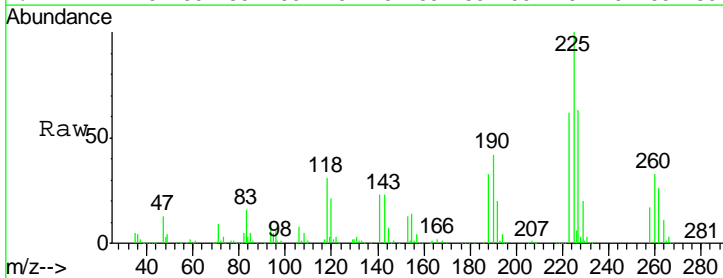
Manual Integrations
APPROVED

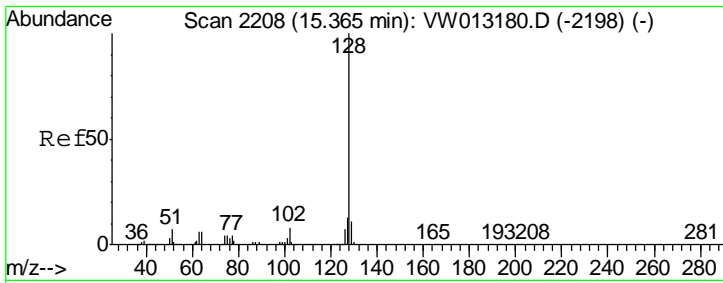
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#94
 Hexachlorobutadiene
 Concen: 48.144 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
225	100		
223	61.8	30.6	91.8
227	64.5	31.9	95.9



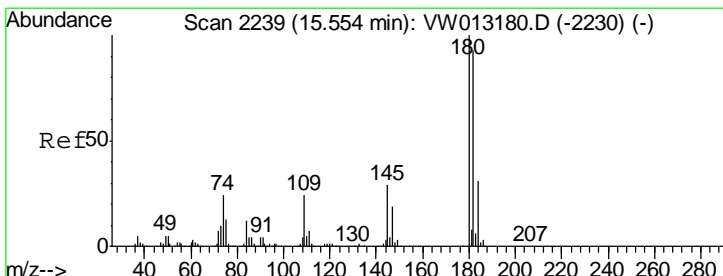
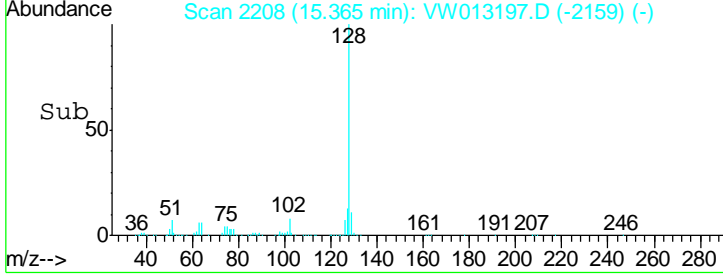
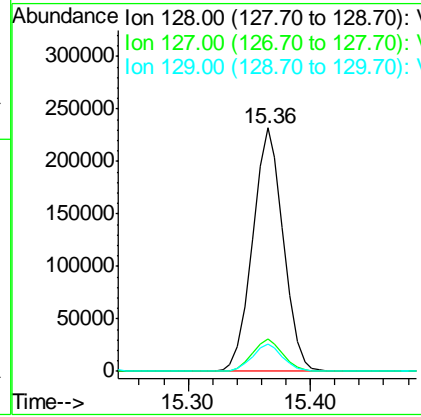
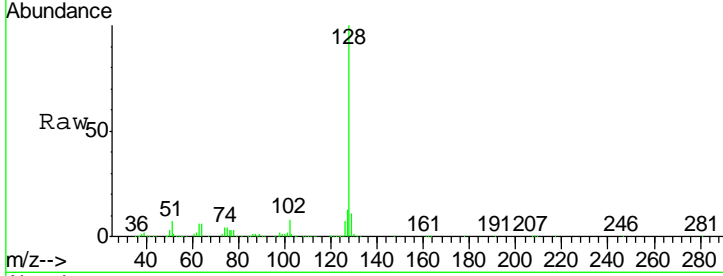


#95
 Naphthalene
 Concen: 55.783 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument : MSVOA_W
 Client Sampled : VSTDC050

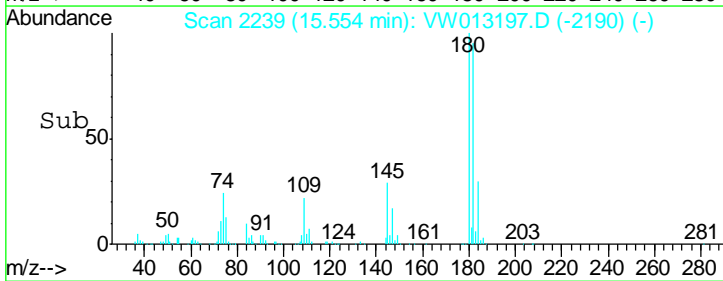
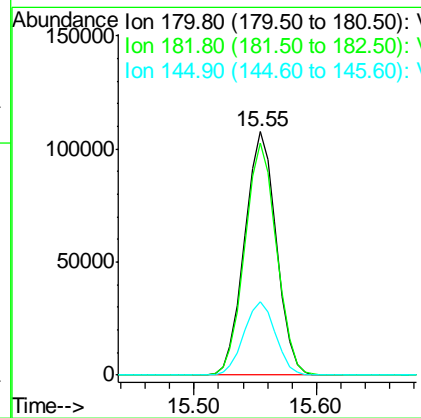
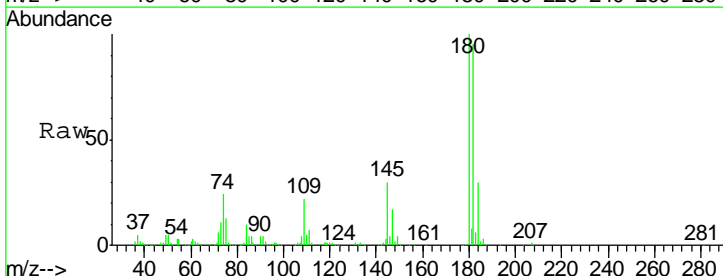
Tgt Ion	Resp	Lower	Upper
128	403612		
127	13.3	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:28:58 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 50.579 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Resp	Lower	Upper
180	193341		
182	95.5	47.9	143.7
145	30.2	15.0	45.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	93	0.00
2 T	Dichlorodifluoromethane	50.000	43.259	13.5	87	0.00
3 P	Chloromethane	50.000	45.433	9.1	93	0.00
4 C	Vinyl Chloride	50.000	46.732	6.5#	92	0.00
5 T	Bromomethane	50.000	47.304	5.4	90	0.00
6 T	Chloroethane	50.000	46.462	7.1	88	0.00
7 T	Trichlorofluoromethane	50.000	44.894	10.2	86	0.00
8 T	Diethyl Ether	50.000	49.335	1.3	93	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.179	1.6	93	0.00
10 T	Methyl Iodide	50.000	47.358	5.3	88	0.00
11 T	Tert butyl alcohol	250.000	284.041	-13.6	117	0.00
12 CM	1,1-Dichloroethene	50.000	47.964	4.1#	91	0.00
13 T	Acrolein	250.000	281.829	-12.7	100	0.00
14 T	Allyl chloride	50.000	48.240	3.5	90	0.00
15 T	Acrylonitrile	250.000	275.159	-10.1	105	0.00
16 T	Acetone	250.000	252.097	-0.8	100	0.00
17 T	Carbon Disulfide	50.000	48.665	2.7	91	0.00
18 T	Methyl Acetate	50.000	54.830	-9.7	110	0.00
19 T	Methyl tert-butyl Ether	50.000	51.680	-3.4	96	0.00
20 T	Methylene Chloride	50.000	48.650	2.7	89	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.628	2.7	91	0.00
22 T	Diisopropyl ether	50.000	49.729	0.5	91	0.00
23 T	Vinyl Acetate	250.000	261.364	-4.5	97	0.00
24 P	1,1-Dichloroethane	50.000	48.359	3.3	90	0.00
25 T	2-Butanone	250.000	268.164	-7.3	107	0.00
26 T	2,2-Dichloropropane	50.000	47.686	4.6	86	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.090	3.8	89	0.00
28 T	Bromochloromethane	50.000	55.646	-11.3	96	0.00
29 T	Tetrahydrofuran	250.000	279.297	-11.7	108	0.00
30 C	Chloroform	50.000	48.029	3.9#	92	0.00
31 T	Cyclohexane	50.000	47.295	5.4	93	0.00
32 T	1,1,1-Trichloroethane	50.000	48.799	2.4	91	0.00
33 S	1,2-Dichloroethane-d4	50.000	53.481	-7.0	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35 S	Dibromofluoromethane	50.000	53.143	-6.3	97	0.00
36 T	1,1-Dichloropropene	50.000	49.521	1.0	93	0.00
37 T	Ethyl Acetate	50.000	55.355	-10.7	106	0.00
38 T	Carbon Tetrachloride	50.000	50.498	-1.0	92	0.00
39 T	Methylcyclohexane	50.000	50.327	-0.7	92	0.00
40 TM	Benzene	50.000	49.753	0.5	92	0.00
41 T	Methacrylonitrile	50.000	50.838	-1.7	94	0.00
42 TM	1,2-Dichloroethane	50.000	50.295	-0.6	93	0.00
43 T	Isopropyl Acetate	50.000	54.922	-9.8	104	0.00
44 TM	Trichloroethene	50.000	48.979	2.0	91	0.00
45 C	1,2-Dichloropropane	50.000	50.205	-0.4#	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	50.761	-1.5	94	0.00
47 T	Bromodichloromethane	50.000	49.606	0.8	90	0.00
48 T	Methyl methacrylate	50.000	58.577	-17.2	110	0.00
49 T	1,4-Dioxane	1000.000	1186.307	-18.6	127	0.00
50 S	Toluene-d8	50.000	53.461	-6.9	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	283.977	-13.6	107	0.00
52 CM	Toluene	50.000	49.486	1.0#	91	0.00
53 T	t-1,3-Dichloropropene	50.000	51.186	-2.4	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.023	-0.0	92	0.00
55 T	1,1,2-Trichloroethane	50.000	50.203	-0.4	94	0.00
56 T	Ethyl methacrylate	50.000	55.655	-11.3	101	0.00
57 T	1,3-Dichloropropane	50.000	51.545	-3.1	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	286.866	-14.7	100	0.00
59 T	2-Hexanone	250.000	282.763	-13.1	106	0.00
60 T	Dibromochloromethane	50.000	51.764	-3.5	94	0.00
61 T	1,2-Dibromoethane	50.000	52.459	-4.9	99	0.00
62 S	4-Bromofluorobenzene	50.000	52.956	-5.9	97	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64 T	Tetrachloroethene	50.000	50.717	-1.4	94	0.00
65 PM	Chlorobenzene	50.000	49.030	1.9	91	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.407	-2.8	93	0.00
67 C	Ethyl Benzene	50.000	50.699	-1.4#	92	0.00
68 T	m/p-Xylenes	100.000	101.308	-1.3	91	0.00
69 T	o-Xylene	50.000	50.274	-0.5	91	0.00
70 T	Styrene	50.000	50.963	-1.9	91	0.00
71 P	Bromoform	50.000	55.380	-10.8	101	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	94	0.00
73 T	Isopropylbenzene	50.000	49.675	0.7	92	0.00
74 T	N-amyl acetate	50.000	54.590	-9.2	100	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	53.096	-6.2	101	0.00
76 T	1,2,3-Trichloropropane	50.000	46.101	7.8	82	0.00
77 T	Bromobenzene	50.000	49.206	1.6	89	0.00
78 T	n-propylbenzene	50.000	49.976	0.0	91	0.00
79 T	2-Chlorotoluene	50.000	49.329	1.3	91	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.611	0.8	91	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	54.346	-8.7	100	0.00
82 T	4-Chlorotoluene	50.000	49.056	1.9	92	0.00
83 T	tert-Butylbenzene	50.000	50.023	-0.0	91	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.568	0.9	91	0.00
85 T	sec-Butylbenzene	50.000	49.707	0.6	90	0.00
86 T	p-Isopropyltoluene	50.000	50.244	-0.5	91	0.00
87 T	1,3-Dichlorobenzene	50.000	48.838	2.3	91	0.00
88 T	1,4-Dichlorobenzene	50.000	49.099	1.8	91	0.00
89 T	n-Butylbenzene	50.000	50.695	-1.4	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	50.420	-0.8	91	0.00
91 T	1,2-Dichlorobenzene	50.000	49.897	0.2	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	55.597	-11.2	105	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.792	0.4	90	0.00
94 T	Hexachlorobutadiene	50.000	48.144	3.7	90	0.00
95 T	Naphthalene	50.000	55.783	-11.6	99	0.00
96 T	1,2,3-Trichlorobenzene	50.000	50.579	-1.2	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	93	0.00
2 T	Dichlorodifluoromethane	0.288	0.250	13.2	87	0.00
3 P	Chloromethane	0.371	0.337	9.2	93	0.00
4 C	Vinyl Chloride	0.478	0.447	6.5#	92	0.00
5 T	Bromomethane	0.303	0.287	5.3	90	0.00
6 T	Chloroethane	0.282	0.262	7.1	88	0.00
7 T	Trichlorofluoromethane	0.276	0.247	10.5	86	0.00
8 T	Diethyl Ether	0.235	0.232	1.3	93	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.449	0.441	1.8	93	0.00
10 T	Methyl Iodide	0.696	0.659	5.3	88	0.00
11 T	Tert butyl alcohol	0.034	0.033	2.9	117	0.00
12 CM	1,1-Dichloroethene	0.465	0.446	4.1#	91	0.00
13 T	Acrolein	0.023	0.026	-13.0	100	0.00
14 T	Allyl chloride	0.740	0.713	3.6	90	0.00
15 T	Acrylonitrile	0.102	0.112	-9.8	105	0.00
16 T	Acetone	0.092	0.093	-1.1	100	0.00
17 T	Carbon Disulfide	1.343	1.307	2.7	91	0.00
18 T	Methyl Acetate	0.259	0.284	-9.7	110	0.00
19 T	Methyl tert-butyl Ether	0.712	0.736	-3.4	96	0.00
20 T	Methylene Chloride	0.521	0.459	11.9	89	0.00
21 T	trans-1,2-Dichloroethene	0.502	0.488	2.8	91	0.00
22 T	Diisopropyl ether	1.406	1.399	0.5	91	0.00
23 T	Vinyl Acetate	0.834	0.872	-4.6	97	0.00
24 P	1,1-Dichloroethane	0.849	0.821	3.3	90	0.00
25 T	2-Butanone	0.138	0.148	-7.2	107	0.00
26 T	2,2-Dichloropropane	0.563	0.486	13.7	86	0.00
27 T	cis-1,2-Dichloroethene	0.530	0.510	3.8	89	0.00
28 T	Bromochloromethane	0.326	0.362	-11.0	96	0.00
29 T	Tetrahydrofuran	0.085	0.095	-11.8	108	0.00
30 C	Chloroform	0.831	0.798	4.0#	92	0.00
31 T	Cyclohexane	0.885	0.837	5.4	93	0.00
32 T	1,1,1-Trichloroethane	0.673	0.657	2.4	91	0.00
33 S	1,2-Dichloroethane-d4	0.408	0.436	-6.9	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35 S	Dibromofluoromethane	0.275	0.292	-6.2	97	0.00
36 T	1,1-Dichloropropene	0.484	0.480	0.8	93	0.00
37 T	Ethyl Acetate	0.206	0.228	-10.7	106	0.00
38 T	Carbon Tetrachloride	0.434	0.438	-0.9	92	0.00
39 T	Methylcyclohexane	0.622	0.626	-0.6	92	0.00
40 TM	Benzene	1.351	1.344	0.5	92	0.00
41 T	Methacrylonitrile	0.123	0.125	-1.6	94	0.00
42 TM	1,2-Dichloroethane	0.363	0.365	-0.6	93	0.00
43 T	Isopropyl Acetate	0.394	0.433	-9.9	104	0.00
44 TM	Trichloroethene	0.379	0.371	2.1	91	0.00
45 C	1,2-Dichloropropane	0.330	0.331	-0.3#	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.160	0.163	-1.9	94	0.00
47 T	Bromodichloromethane	0.407	0.404	0.7	90	0.00
48 T	Methyl methacrylate	0.185	0.217	-17.3	110	0.00
49 T	1,4-Dioxane	0.002	0.003	-50.0#	127	0.00
50 S	Toluene-d8	1.151	1.231	-7.0	97	0.00
51 T	4-Methyl-2-Pentanone	0.198	0.225	-13.6	107	0.00
52 CM	Toluene	0.866	0.857	1.0#	91	0.00
53 T	t-1,3-Dichloropropene	0.419	0.429	-2.4	92	0.00
54 T	cis-1,3-Dichloropropene	0.509	0.509	0.0	92	0.00
55 T	1,1,2-Trichloroethane	0.239	0.240	-0.4	94	0.00
56 T	Ethyl methacrylate	0.313	0.349	-11.5	101	0.00
57 T	1,3-Dichloropropane	0.418	0.431	-3.1	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.166	-14.5	100	0.00
59 T	2-Hexanone	0.136	0.154	-13.2	106	0.00
60 T	Dibromochloromethane	0.272	0.281	-3.3	94	0.00
61 T	1,2-Dibromoethane	0.228	0.239	-4.8	99	0.00
62 S	4-Bromofluorobenzene	0.393	0.416	-5.9	97	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64 T	Tetrachloroethene	0.379	0.385	-1.6	94	0.00
65 PM	Chlorobenzene	1.044	1.024	1.9	91	0.00
66 T	1,1,1,2-Tetrachloroethane	0.357	0.367	-2.8	93	0.00
67 C	Ethyl Benzene	1.892	1.918	-1.4#	92	0.00
68 T	m/p-Xylenes	0.721	0.730	-1.2	91	0.00
69 T	o-Xylene	0.670	0.674	-0.6	91	0.00
70 T	Styrene	1.151	1.173	-1.9	91	0.00
71 P	Bromoform	0.188	0.209	-11.2	101	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
73 T	Isopropylbenzene	3.694	3.670	0.6	92	0.00
74 T	N-amyl acetate	0.820	0.895	-9.1	100	0.00
75 P	1,1,2,2-Tetrachloroethane	0.618	0.656	-6.1	101	0.00
76 T	1,2,3-Trichloropropane	0.442	0.407	7.9	82	0.00
77 T	Bromobenzene	0.875	0.861	1.6	89	0.00
78 T	n-propylbenzene	4.323	4.321	0.0	91	0.00
79 T	2-Chlorotoluene	2.422	2.390	1.3	91	0.00
80 T	1,3,5-Trimethylbenzene	3.105	3.081	0.8	91	0.00
81 T	trans-1,4-Dichloro-2-butene	0.197	0.214	-8.6	100	0.00
82 T	4-Chlorotoluene	2.554	2.506	1.9	92	0.00
83 T	tert-Butylbenzene	2.725	2.726	-0.0	91	0.00
84 T	1,2,4-Trimethylbenzene	3.090	3.063	0.9	91	0.00
85 T	sec-Butylbenzene	3.757	3.735	0.6	90	0.00
86 T	p-Isopropyltoluene	3.485	3.502	-0.5	91	0.00
87 T	1,3-Dichlorobenzene	1.685	1.645	2.4	91	0.00
88 T	1,4-Dichlorobenzene	1.652	1.622	1.8	91	0.00
89 T	n-Butylbenzene	3.182	3.226	-1.4	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T Hexachloroethane	0.585	0.590	-0.9	91	0.00
91 T 1,2-Dichlorobenzene	1.457	1.454	0.2	93	0.00
92 T 1,2-Dibromo-3-Chloropropane	0.094	0.105	-11.7	105	0.00
93 T 1,2,4-Trichlorobenzene	1.044	1.040	0.4	90	0.00
94 T Hexachlorobutadiene	0.714	0.688	3.6	90	0.00
95 T Naphthalene	1.708	1.905	-11.5	99	0.00
96 T 1,2,3-Trichlorobenzene	0.902	0.913	-1.2	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

QC SAMPLE
DATA

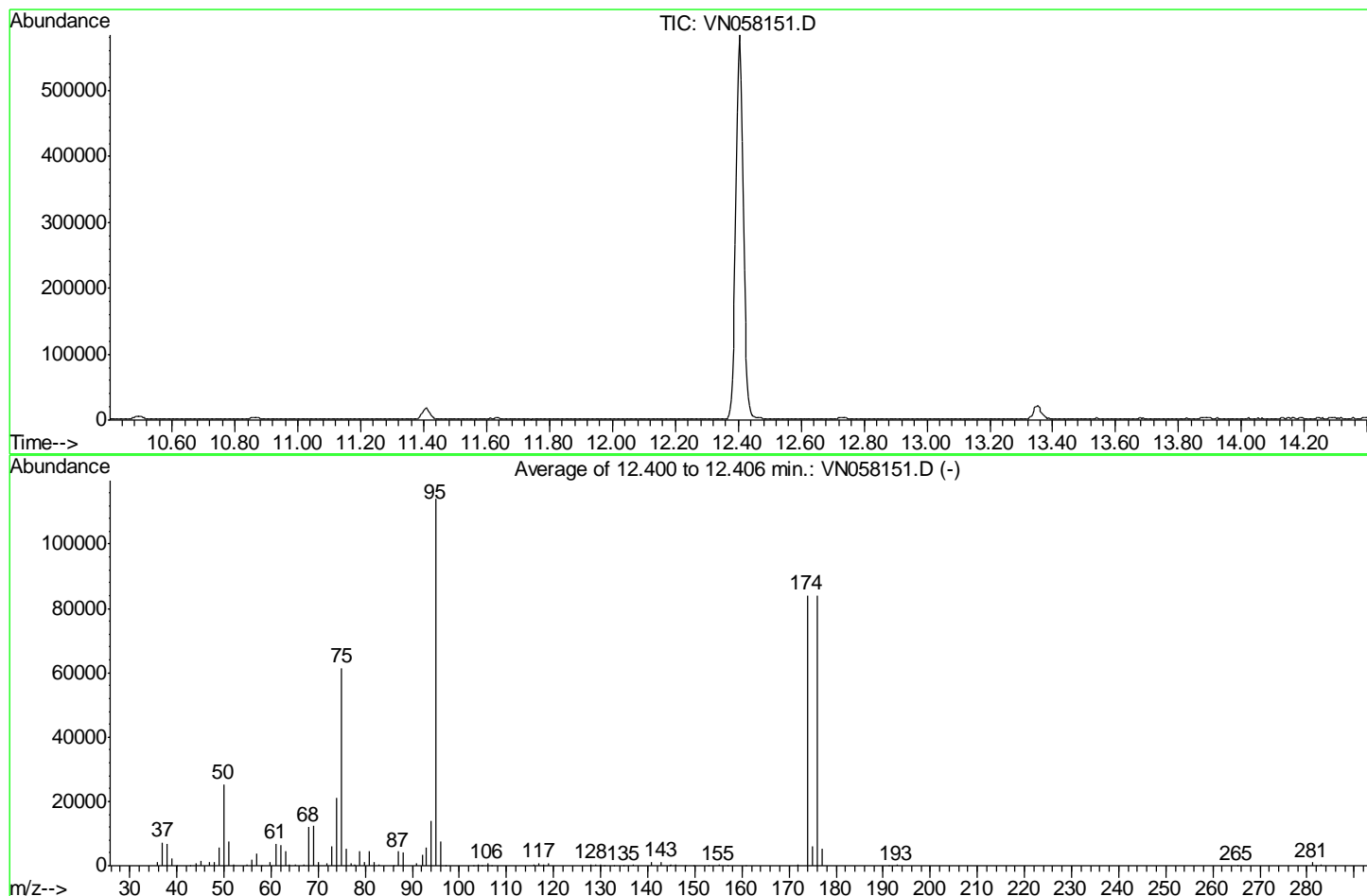
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- 2
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- 15
- 16
- 17
- 18

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN091819\
 Data File : VN058151.D
 Acq On : 18 Sep 2019 8:30
 Operator : JC/SP
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Title : SW846 8260
 Last Update : Thu Sep 19 09:27:53 2019



AutoFind: Scans 3305, 3306, 3307; Background Corrected with Scan 3292

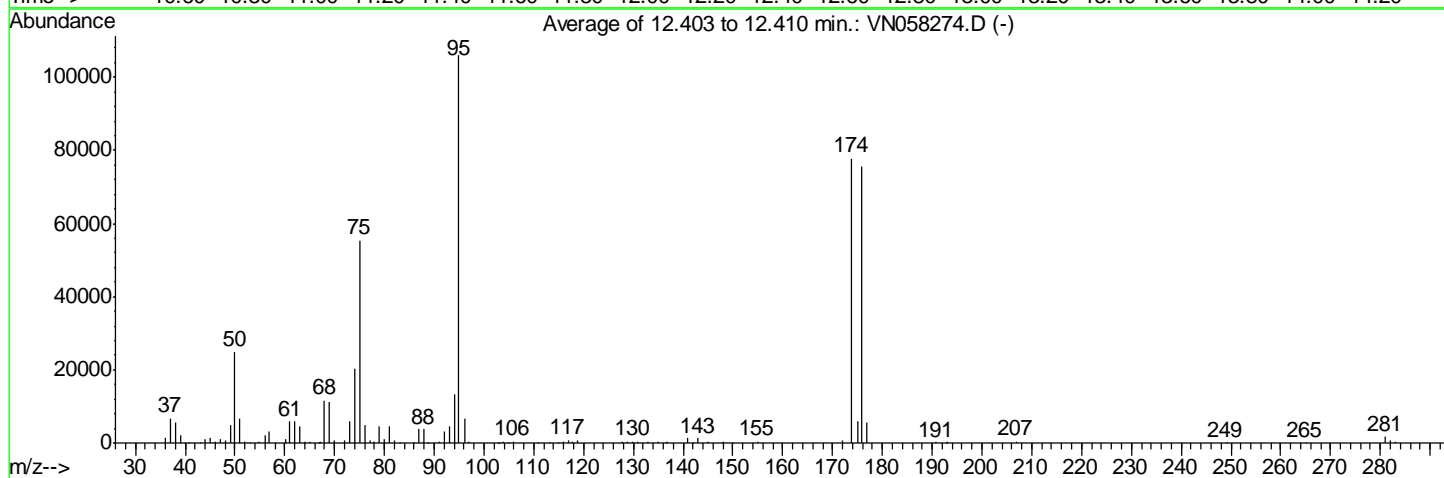
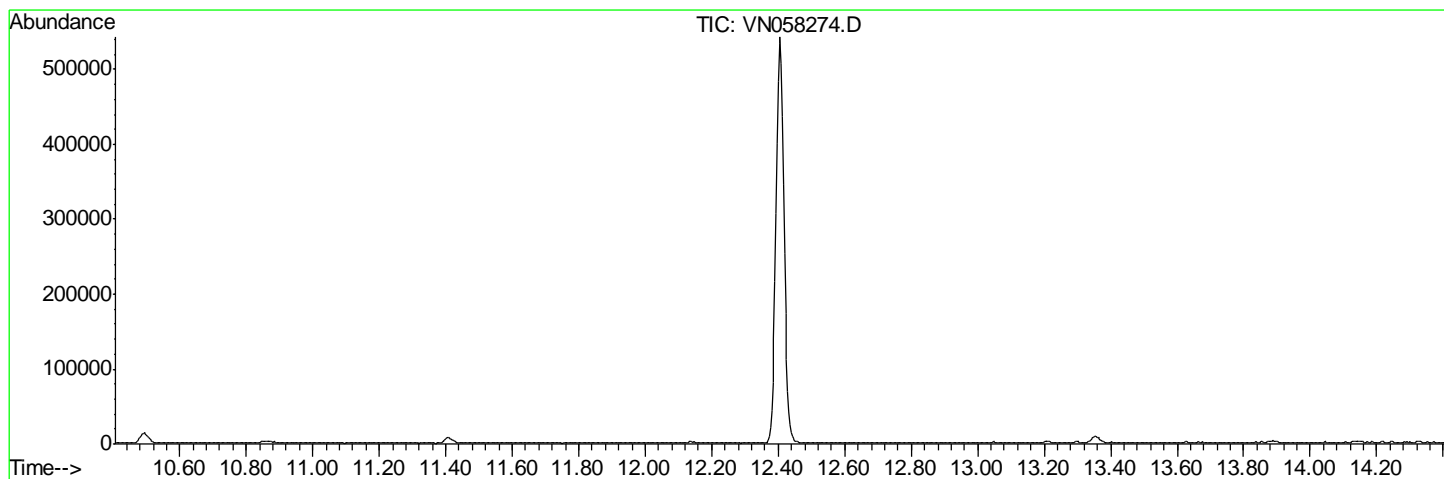
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	25362	PASS
75	95	30	60	54.0	61557	PASS
95	95	100	100	100.0	114048	PASS
96	95	5	9	6.6	7540	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.7	84088	PASS
175	174	5	9	7.0	5890	PASS
176	174	95	101	99.7	83832	PASS
177	176	5	9	6.4	5395	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN092319\
 Data File : VN058274.D
 Acq On : 23 Sep 2019 8:18
 Operator : JC/SP
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Title : SW846 8260
 Last Update : Thu Sep 19 09:27:53 2019



AutoFind: Scans 3306, 3307, 3308; Background Corrected with Scan 3292

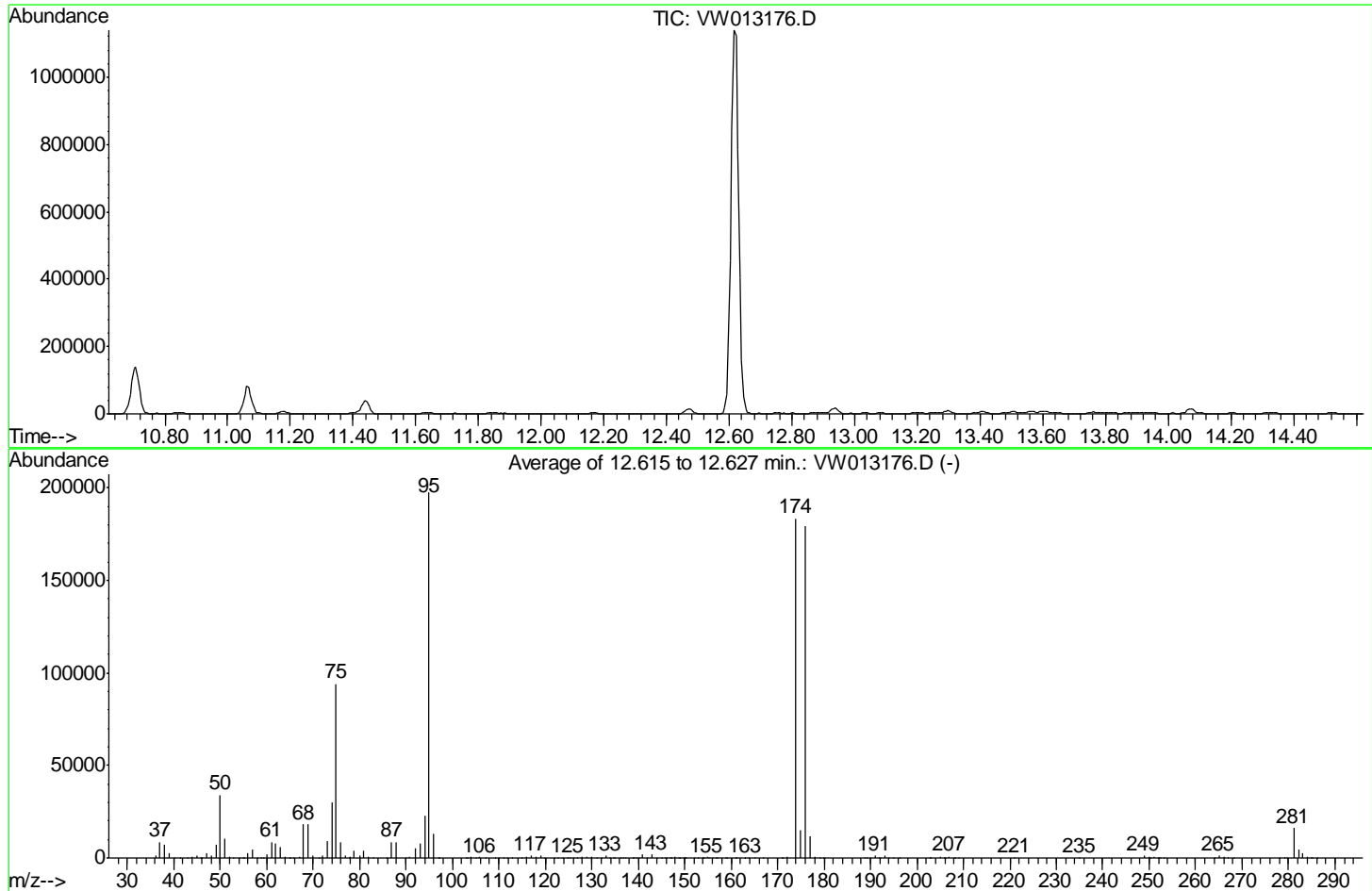
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	24853	PASS
75	95	30	60	52.3	55413	PASS
95	95	100	100	100.0	105994	PASS
96	95	5	9	6.2	6624	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.3	77736	PASS
175	174	5	9	7.5	5853	PASS
176	174	95	101	97.4	75736	PASS
177	176	5	9	7.6	5722	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013176.D
 Acq On : 20 Sep 2019 11:43
 Operator : SY/VA
 Sample : BFB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260
 Last Update : Fri Sep 20 15:58:08 2019



AutoFind: Scans 1757, 1758, 1759; Background Corrected with Scan 1748

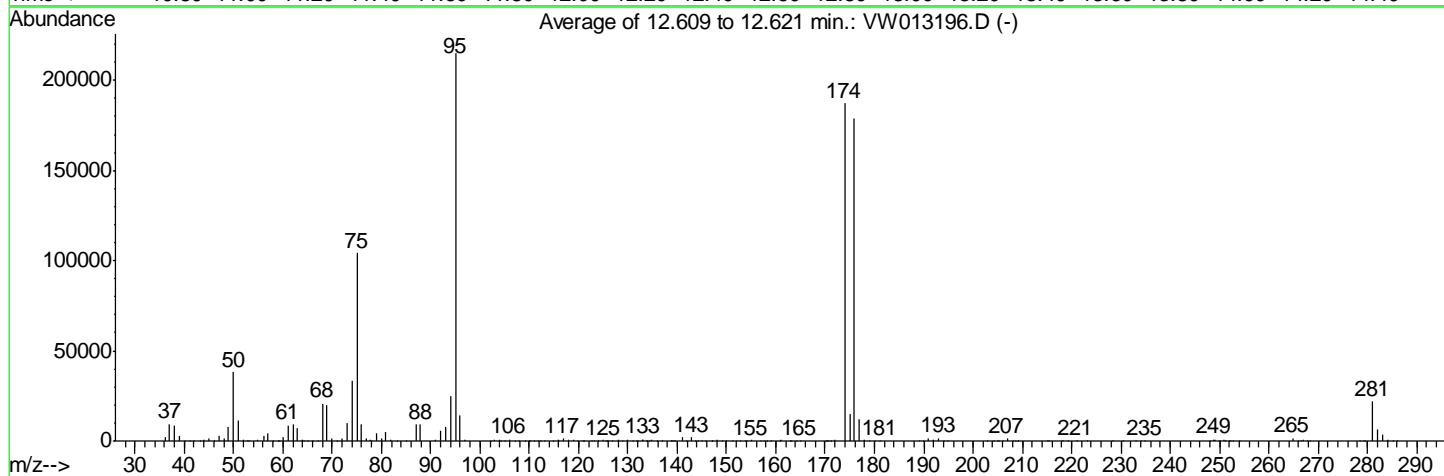
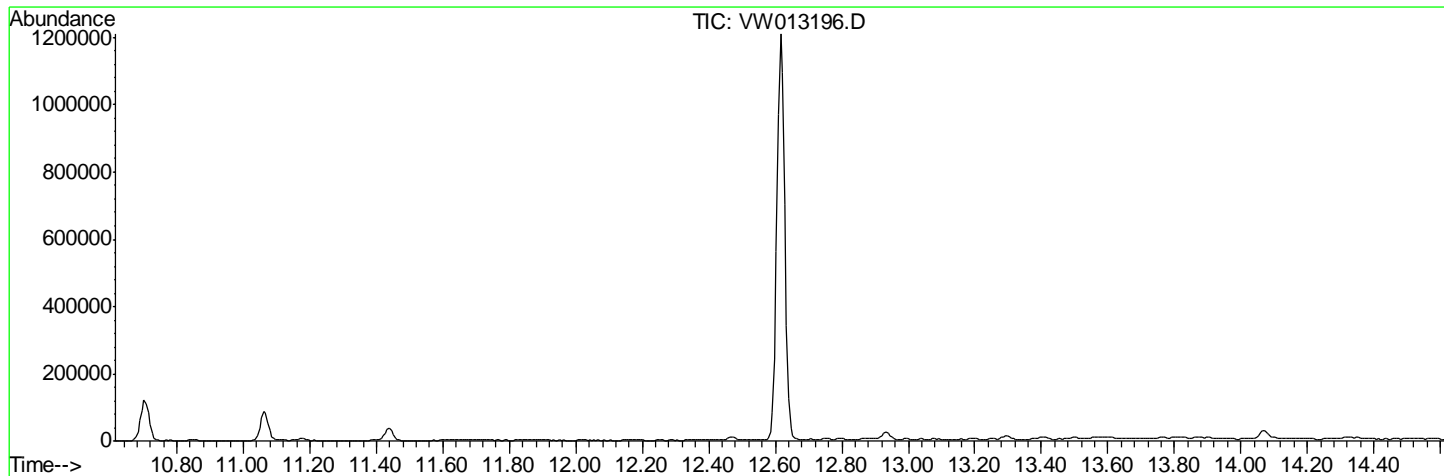
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	34029	PASS
75	95	30	60	47.7	94234	PASS
95	95	100	100	100.0	197482	PASS
96	95	5	9	6.7	13166	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	92.9	183445	PASS
175	174	5	9	8.3	15223	PASS
176	174	95	101	97.7	179264	PASS
177	176	5	9	6.5	11673	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092019\
 Data File : VW013196.D
 Acq On : 20 Sep 2019 21:26
 Operator : SY/VA
 Sample : BFB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260
 Last Update : Fri Sep 20 15:58:08 2019



AutoFind: Scans 1756, 1757, 1758; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	38210	PASS
75	95	30	60	48.4	104021	PASS
95	95	100	100	100.0	214963	PASS
96	95	5	9	6.8	14519	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.0	187050	PASS
175	174	5	9	8.1	15216	PASS
176	174	95	101	95.7	178944	PASS
177	176	5	9	6.8	12172	PASS



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0923MBL01	SDG No.:	K4939
Lab Sample ID:	VN0923MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058276.D	1		09/23/19 09:16	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	500	U	90.9	500	ug/Kg
74-87-3	Chloromethane	500	U	180	500	ug/Kg
75-01-4	Vinyl Chloride	500	U	110	500	ug/Kg
74-83-9	Bromomethane	500	U	37.8	500	ug/Kg
75-00-3	Chloroethane	500	U	57.5	500	ug/Kg
75-69-4	Trichlorofluoromethane	500	U	64.6	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U	80.1	500	ug/Kg
75-35-4	1,1-Dichloroethene	500	U	99.1	500	ug/Kg
67-64-1	Acetone	2500	U	770	2500	ug/Kg
75-15-0	Carbon Disulfide	500	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	500	U	140	500	ug/Kg
79-20-9	Methyl Acetate	500	U	280	500	ug/Kg
75-09-2	Methylene Chloride	1000	U	520	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	500	U	130	500	ug/Kg
75-34-3	1,1-Dichloroethane	500	U	91.0	500	ug/Kg
110-82-7	Cyclohexane	500	U	180	500	ug/Kg
78-93-3	2-Butanone	2500	U	670	2500	ug/Kg
56-23-5	Carbon Tetrachloride	500	U	82.5	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	500	U	98.6	500	ug/Kg
74-97-5	Bromochloromethane	500	U	120	500	ug/Kg
67-66-3	Chloroform	500	U	86.3	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	500	U	110	500	ug/Kg
108-87-2	Methylcyclohexane	500	U	120	500	ug/Kg
71-43-2	Benzene	500	U	83.9	500	ug/Kg
107-06-2	1,2-Dichloroethane	500	U	120	500	ug/Kg
79-01-6	Trichloroethene	500	U	93.2	500	ug/Kg
78-87-5	1,2-Dichloropropane	500	U	120	500	ug/Kg
75-27-4	Bromodichloromethane	500	U	99.3	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2500	U	560	2500	ug/Kg
108-88-3	Toluene	500	U	97.5	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	500	U	100	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	500	U	110	500	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0923MBL01	SDG No.:	K4939
Lab Sample ID:	VN0923MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058276.D	1		09/23/19 09:16	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	500	U	140	500	ug/Kg
591-78-6	2-Hexanone	2500	U	740	2500	ug/Kg
124-48-1	Dibromochloromethane	500	U	130	500	ug/Kg
106-93-4	1,2-Dibromoethane	500	U	130	500	ug/Kg
127-18-4	Tetrachloroethene	500	U	69.5	500	ug/Kg
108-90-7	Chlorobenzene	500	U	78.8	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	85.4	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	170	1000	ug/Kg
95-47-6	o-Xylene	500	U	110	500	ug/Kg
100-42-5	Styrene	500	U	99.1	500	ug/Kg
75-25-2	Bromoform	500	U	330	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	86.6	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	500	U	110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	110	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	110	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	130	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	330	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	110	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	500	U	130	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		56 - 120	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		57 - 135	106%	SPK: 50
2037-26-5	Toluene-d8	53.4		67 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		33 - 141	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	505000	7.65			
540-36-3	1,4-Difluorobenzene	827000	8.57			
3114-55-4	Chlorobenzene-d5	706000	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	277000	13.35			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0923MBL01	SDG No.:	K4939
Lab Sample ID:	VN0923MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058276.D	1		09/23/19 09:16	VN092319

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058276.D
 Acq On : 23 Sep 2019 9:16
 Operator : JC/SP
 Sample : VN0923MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBL01

Quant Time: Sep 23 11:26:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	505139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	827489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	706195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	373255	53.05	ug/l	0.00
Spiked Amount						
						Recovery = 106.10%
35) Dibromofluoromethane	7.57	113	265463	52.77	ug/l	0.00
Spiked Amount						
						Recovery = 105.54%
50) Toluene-d8	10.08	98	1047565	53.45	ug/l	0.00
Spiked Amount						
						Recovery = 106.90%
62) 4-Bromofluorobenzene	12.41	95	330863	45.44	ug/l	0.00
Spiked Amount						
						Recovery = 90.88%

Target Compounds

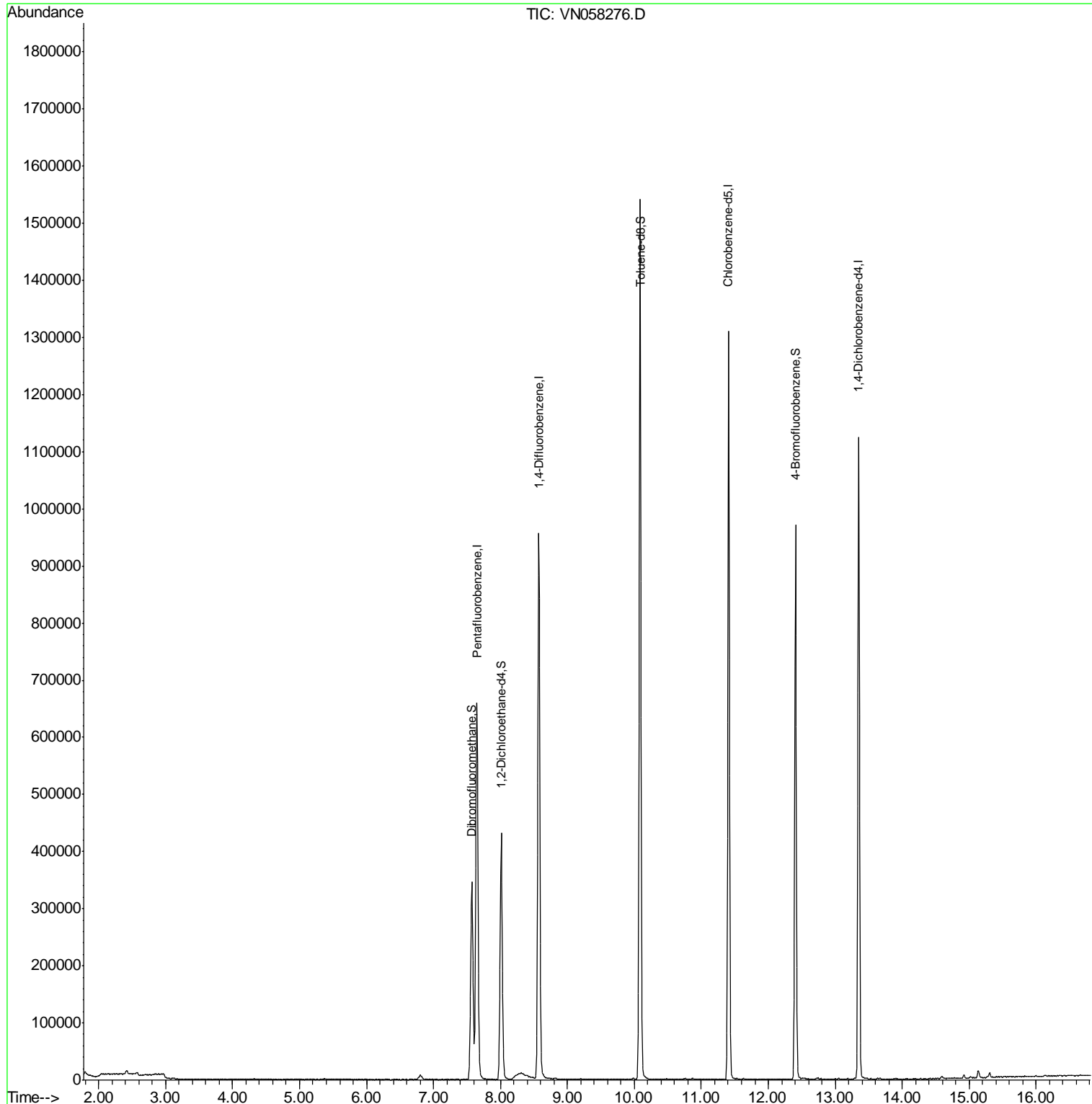
Qvalue

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

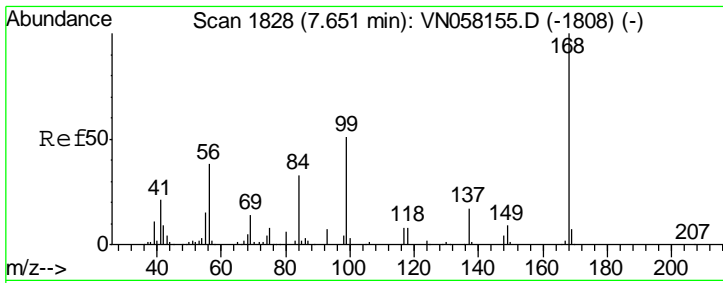
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058276.D
 Acq On : 23 Sep 2019 9:16
 Operator : JC/SP
 Sample : VN0923MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBL01

Quant Time: Sep 23 11:26:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration



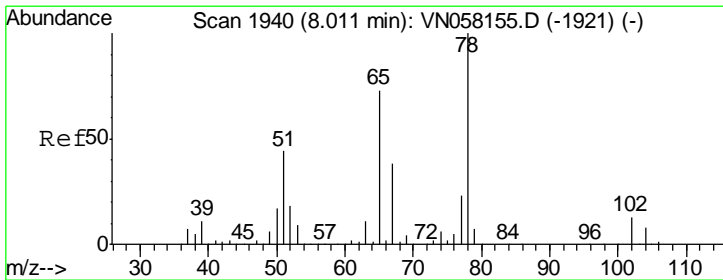
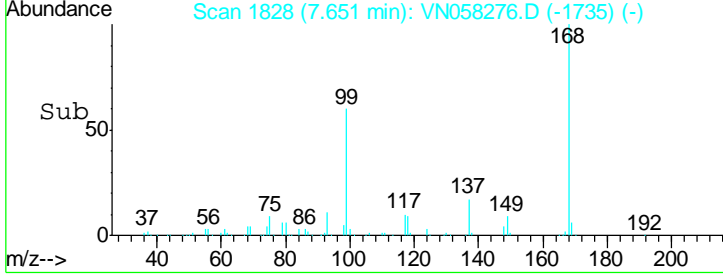
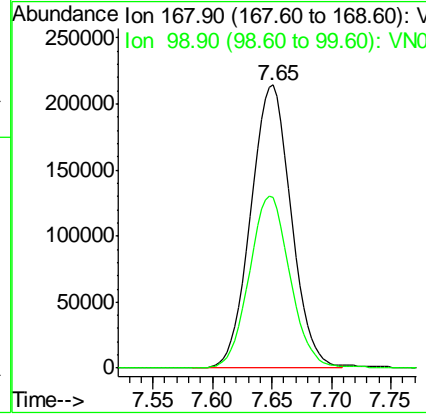
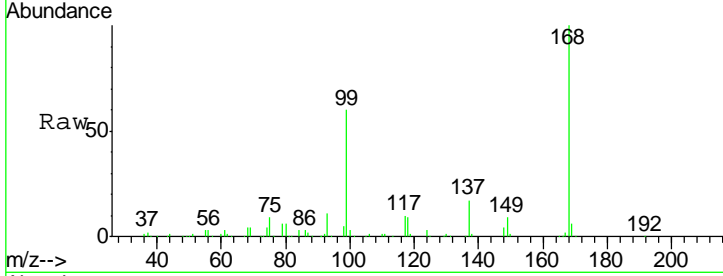
- 1
- 2
- 3
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- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: VN058276.D
 Acq: 23 Sep 2019 9:16

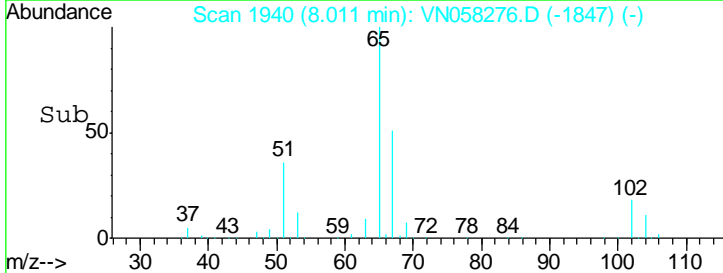
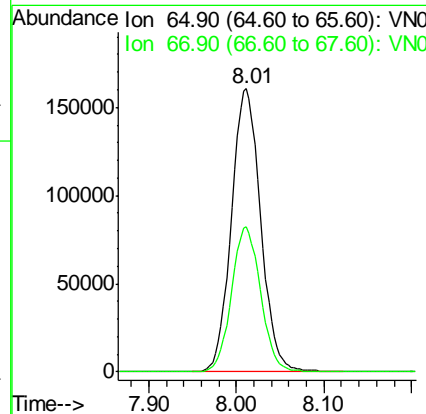
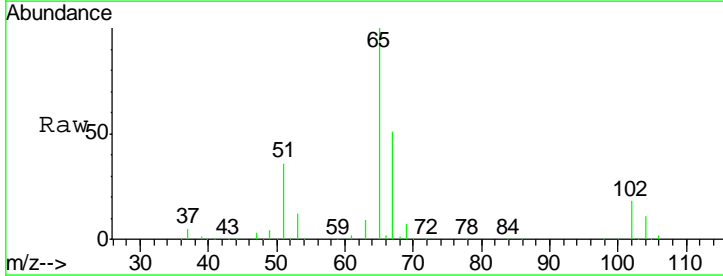
Instrument : MSVOA_N
 ClientSampled : VN0923MBL01

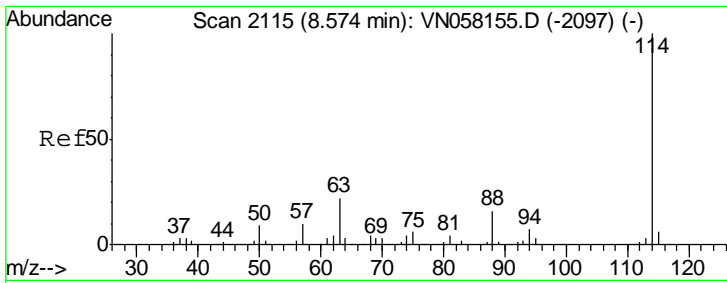
Tgt Ion	Resp	Lower	Upper
168	100		
99	60.2	47.4	71.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.052 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058276.D
 Acq: 23 Sep 2019 9:16

Tgt Ion	Resp	Lower	Upper
65	100		
67	50.9	0.0	103.4

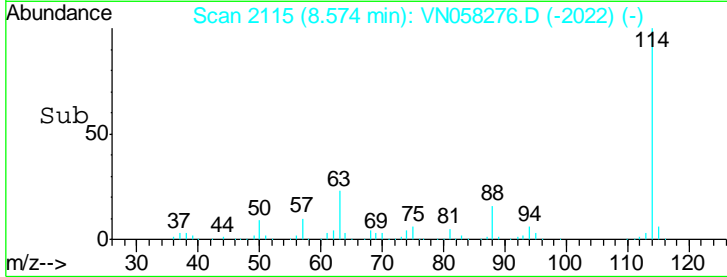
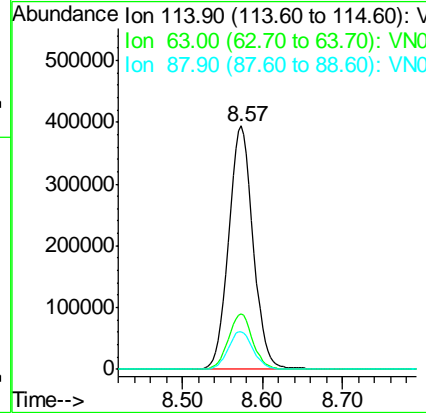
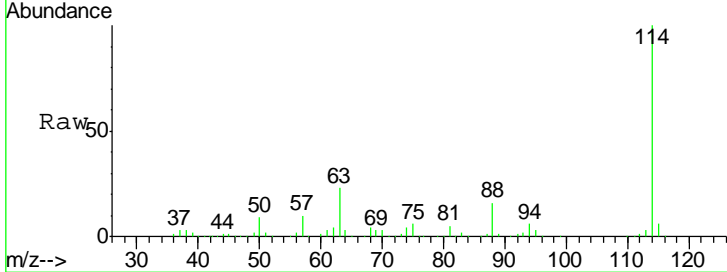




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058276.D
 Acq: 23 Sep 2019 9:16

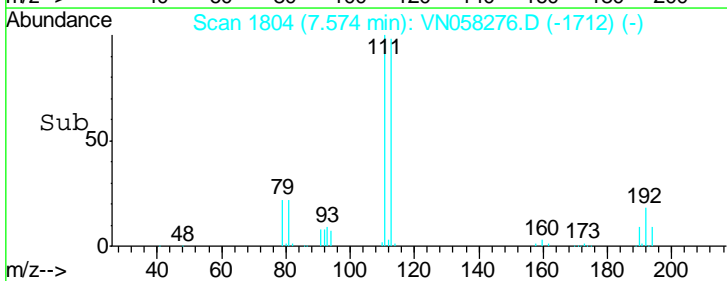
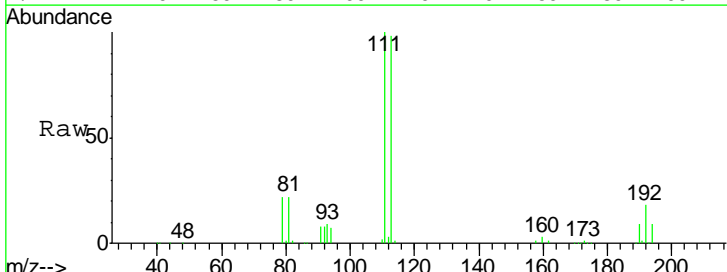
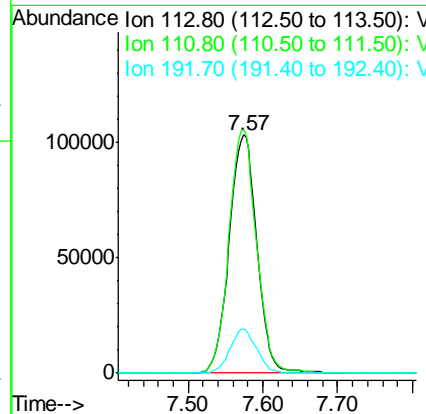
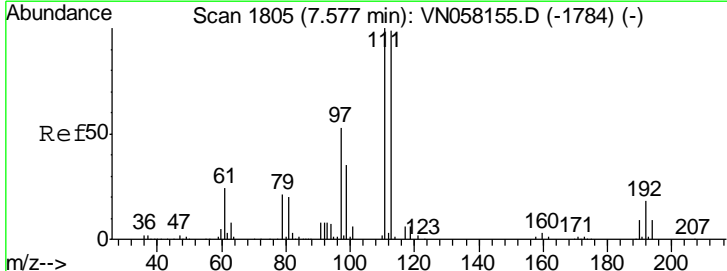
Instrument : MSVOA_N
 ClientSampled : VN0923MBL01

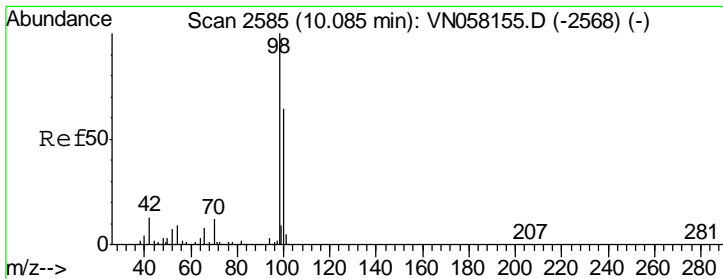
Tgt Ion	Resp	Lower	Upper
114	100		
63	22.8	0.0	44.2
88	15.6	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 52.771 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058276.D
 Acq: 23 Sep 2019 9:16

Tgt Ion	Resp	Lower	Upper
113	100		
111	100.6	81.8	122.6
192	17.7	14.5	21.7

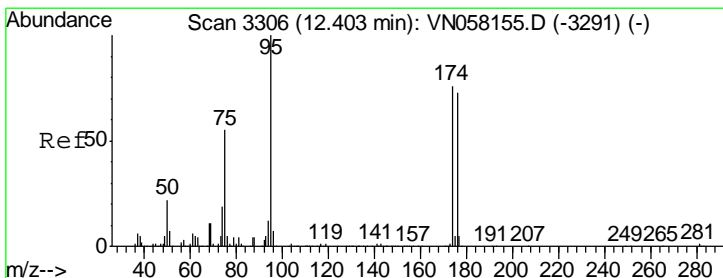
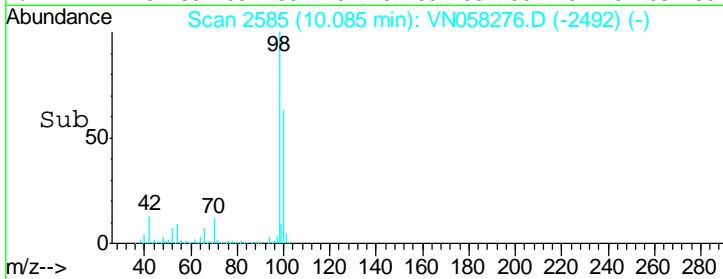
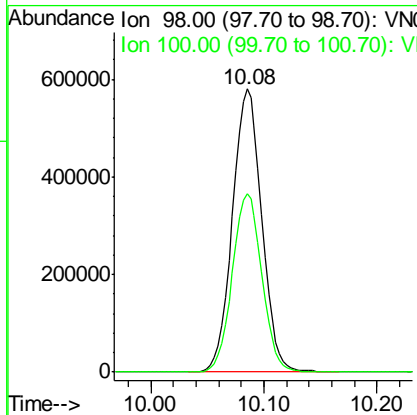
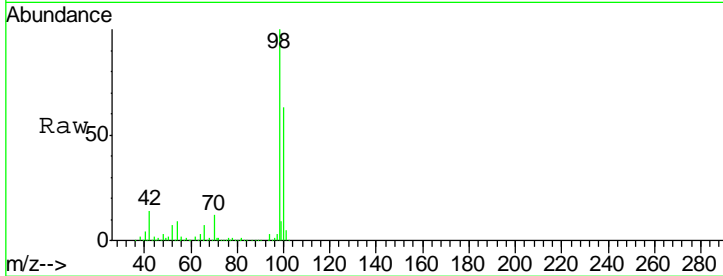




#50
 Toluene-d8
 Concen: 53.448 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058276.D
 Acq: 23 Sep 2019 9:16

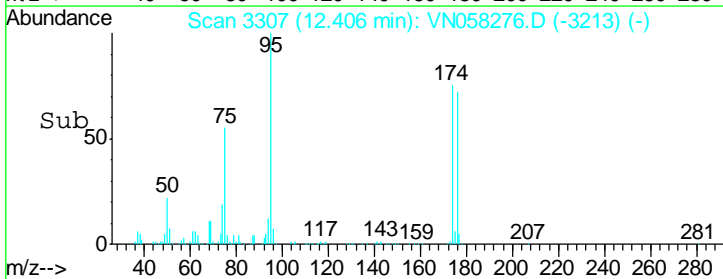
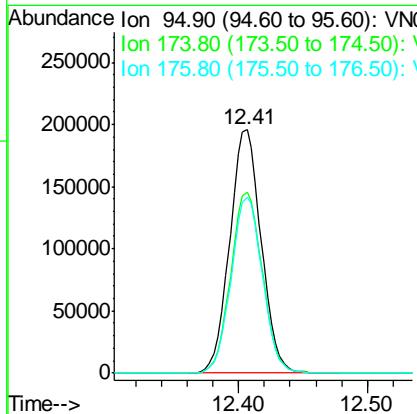
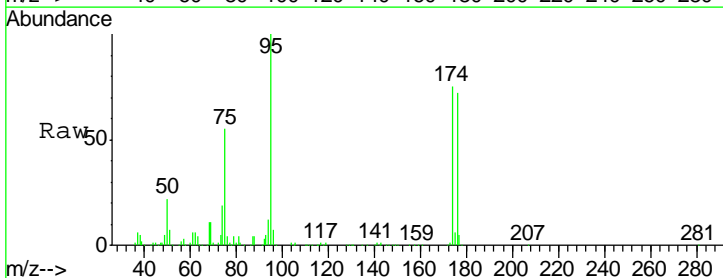
Instrument : MSVOA_N
 ClientSampled : VN0923MBL01

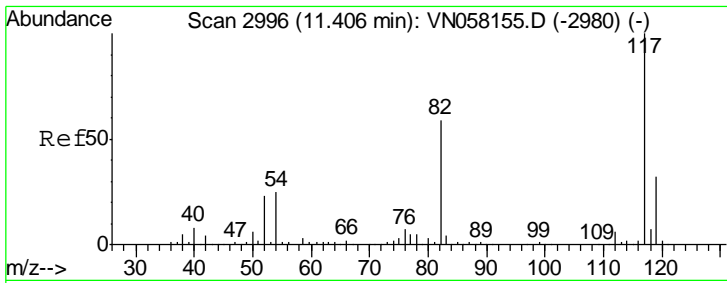
Tgt Ion	Resp	Lower	Upper
98	1047565		
100	63.6	51.1	76.7



#62
 4-Bromofluorobenzene
 Concen: 45.445 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058276.D
 Acq: 23 Sep 2019 9:16

Tgt Ion	Resp	Lower	Upper
95	330863		
174	75.1	0.0	152.2
176	72.1	0.0	148.0

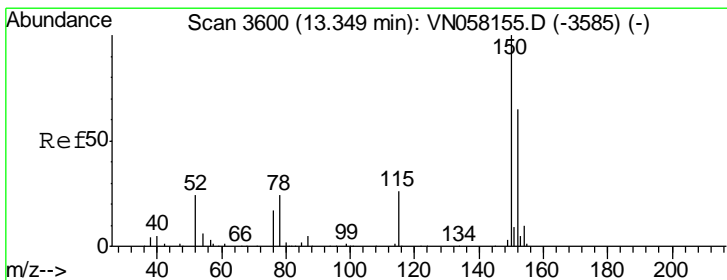
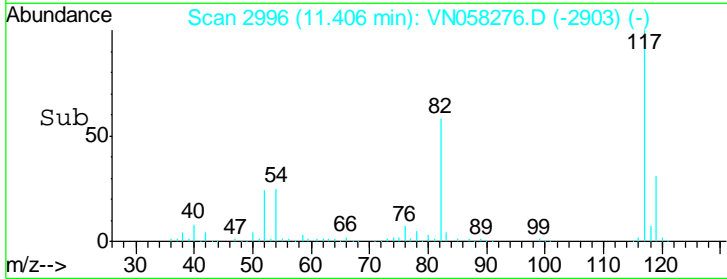
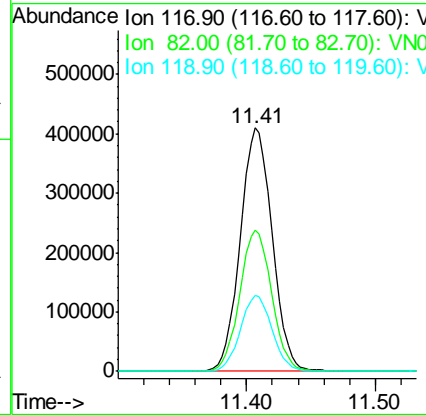
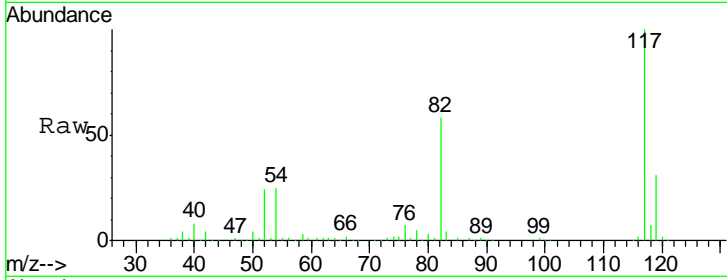




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058276.D
 Acq: 23 Sep 2019 9:16

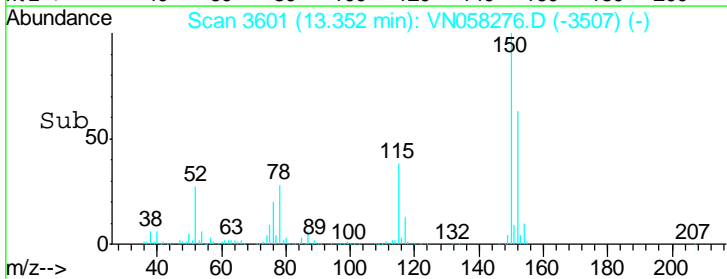
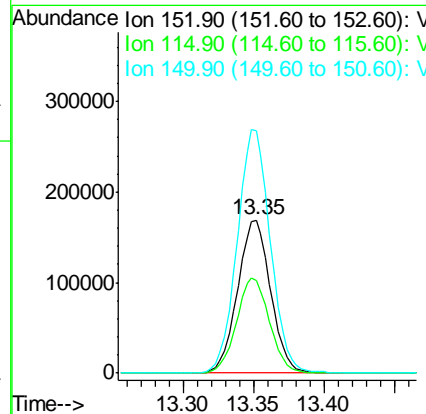
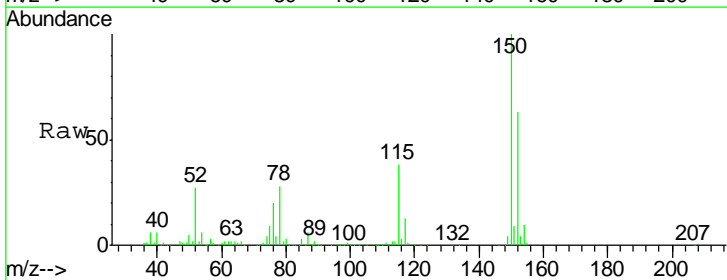
Instrument : MSVOA_N
 ClientSampled : VN0923MBL01

Tgt Ion	Resp	Lower	Upper
117	706195		
82	58.0	46.9	70.3
119	31.1	25.3	37.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058276.D
 Acq: 23 Sep 2019 9:16

Tgt Ion	Resp	Lower	Upper
152	276913		
152	100		
115	61.9	30.1	90.3
150	159.5	0.0	346.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058276.D
 Acq On : 23 Sep 2019 9:16
 Operator : JC/SP
 Sample : VN0923MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBL01

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.574	1783	1804	1815	rBV2	346677	869088	30.76%	6.199%
2	7.648	1815	1827	1855	rVB2	658457	1558987	55.18%	11.120%
3	8.011	1921	1940	1965	rBV	431317	1003313	35.51%	7.157%
4	8.574	2098	2115	2139	rBV	953137	2014074	71.28%	14.366%
5	10.085	2567	2585	2614	rBV	1540867	2825480	100.00%	20.154%
6	11.406	2982	2996	3018	rBV	1309530	2252340	79.72%	16.066%
7	12.406	3293	3307	3332	rBV	971256	1644505	58.20%	11.730%
8	13.349	3588	3600	3618	rBV	1122798	1851658	65.53%	13.208%

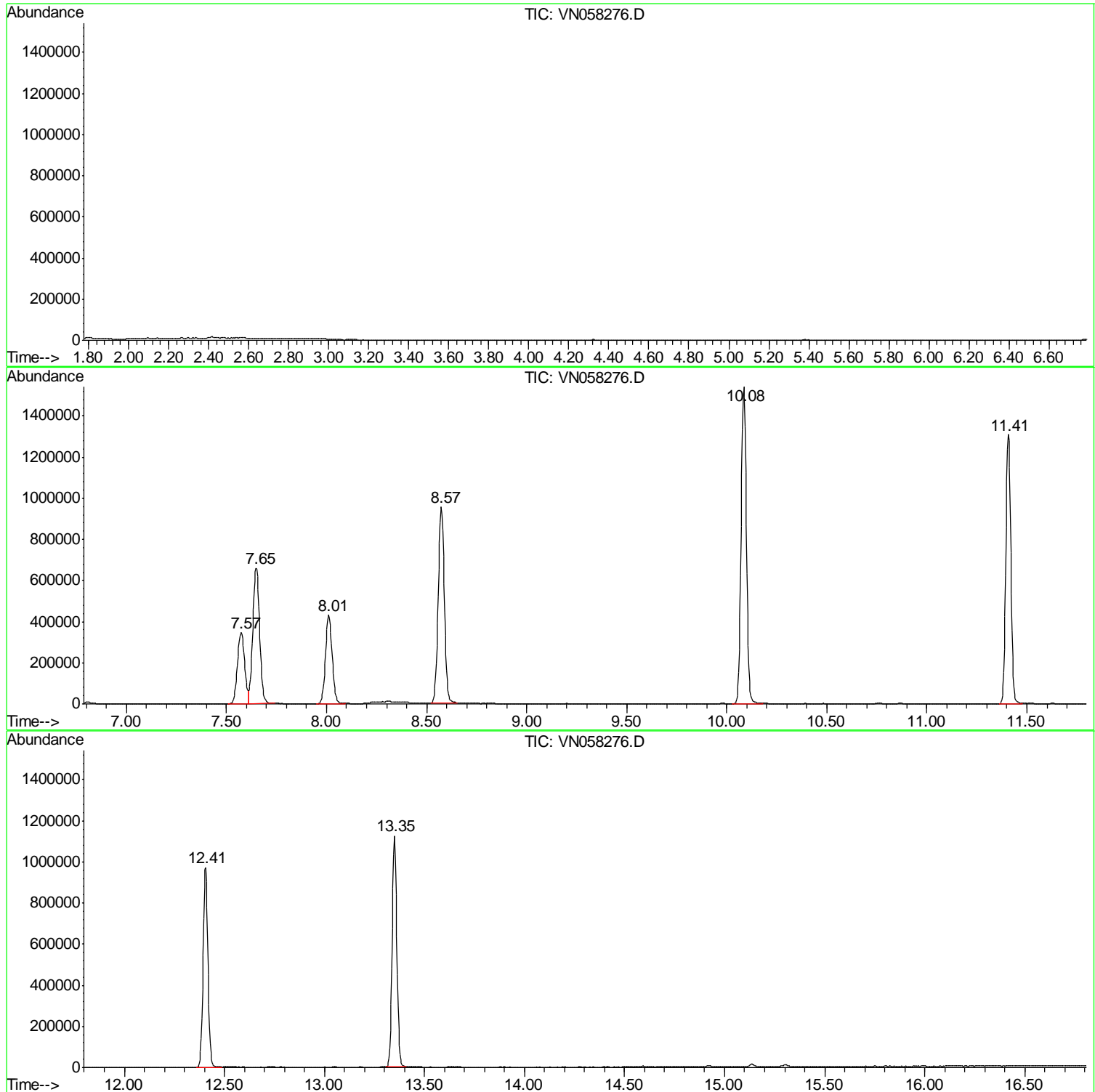
Sum of corrected areas: 14019445

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
Data File : VN058276.D
Acq On : 23 Sep 2019 9:16
Operator : JC/SP
Sample : VN0923MBL01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092319\
Data File : VN058276.D
Acq On : 23 Sep 2019 9:16
Operator : JC/SP
Sample : VN0923MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0923MBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

- 1
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092319\
 Data File : VN058276.D
 Acq On : 23 Sep 2019 9:16
 Operator : JC/SP
 Sample : VN0923MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260

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

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

- 1
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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VW0920SBL02	SDG No.:	K4939
Lab Sample ID:	VW0920SBL02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013198.D	1		09/20/19 22:45	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.91	5.00	ug/Kg
74-87-3	Chloromethane	5.00	U	1.80	5.00	ug/Kg
75-01-4	Vinyl Chloride	5.00	U	1.10	5.00	ug/Kg
74-83-9	Bromomethane	5.00	U	0.38	5.00	ug/Kg
75-00-3	Chloroethane	5.00	U	0.58	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.00	U	0.65	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.80	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	5.00	U	0.99	5.00	ug/Kg
67-64-1	Acetone	25.0	U	7.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	5.00	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.00	U	1.40	5.00	ug/Kg
79-20-9	Methyl Acetate	5.00	U	2.80	5.00	ug/Kg
75-09-2	Methylene Chloride	10.0	U	5.20	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.00	U	1.30	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	5.00	U	0.91	5.00	ug/Kg
110-82-7	Cyclohexane	5.00	U	1.80	5.00	ug/Kg
78-93-3	2-Butanone	25.0	U	6.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.00	U	0.82	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.99	5.00	ug/Kg
74-97-5	Bromochloromethane	5.00	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	5.00	U	0.86	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.00	U	1.10	5.00	ug/Kg
108-87-2	Methylcyclohexane	5.00	U	1.20	5.00	ug/Kg
71-43-2	Benzene	5.00	U	0.84	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	5.00	U	1.20	5.00	ug/Kg
79-01-6	Trichloroethene	5.00	U	0.93	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	5.00	U	1.20	5.00	ug/Kg
75-27-4	Bromodichloromethane	5.00	U	0.99	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25.0	U	5.60	25.0	ug/Kg
108-88-3	Toluene	5.00	U	0.98	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.00	U	1.00	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1.10	5.00	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VW0920SBL02	SDG No.:	K4939
Lab Sample ID:	VW0920SBL02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013198.D	1		09/20/19 22:45	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.00	U	1.40	5.00	ug/Kg
591-78-6	2-Hexanone	25.0	U	7.40	25.0	ug/Kg
124-48-1	Dibromochloromethane	5.00	U	1.30	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	5.00	U	1.30	5.00	ug/Kg
127-18-4	Tetrachloroethene	5.00	U	0.70	5.00	ug/Kg
108-90-7	Chlorobenzene	5.00	U	0.79	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.85	5.00	ug/Kg
179601-23-1	m/p-Xylenes	10.0	U	1.70	10.0	ug/Kg
95-47-6	o-Xylene	5.00	U	1.10	5.00	ug/Kg
100-42-5	Styrene	5.00	U	0.99	5.00	ug/Kg
75-25-2	Bromoform	5.00	U	3.30	5.00	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.87	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.00	U	1.10	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.00	U	1.10	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.00	U	1.30	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	3.30	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1.10	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1.30	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	49.7		67 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	316000	7.95			
540-36-3	1,4-Difluorobenzene	473000	8.84			
3114-55-4	Chlorobenzene-d5	396000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.56			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013198.D
 Acq On : 20 Sep 2019 22:45
 Operator : SY/VA
 Sample : VW0920SBL02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBL02

Quant Time: Sep 21 05:37:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	316462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134687	52.15	ug/l	0.00
Spiked Amount						
						Recovery = 104.30%
35) Dibromofluoromethane	7.88	113	131264	50.41	ug/l	0.00
Spiked Amount						
						Recovery = 100.82%
50) Toluene-d8	10.32	98	542098	49.75	ug/l	0.00
Spiked Amount						
						Recovery = 99.50%
62) 4-Bromofluorobenzene	12.62	95	170568	45.82	ug/l	0.00
Spiked Amount						
						Recovery = 91.64%

Target Compounds

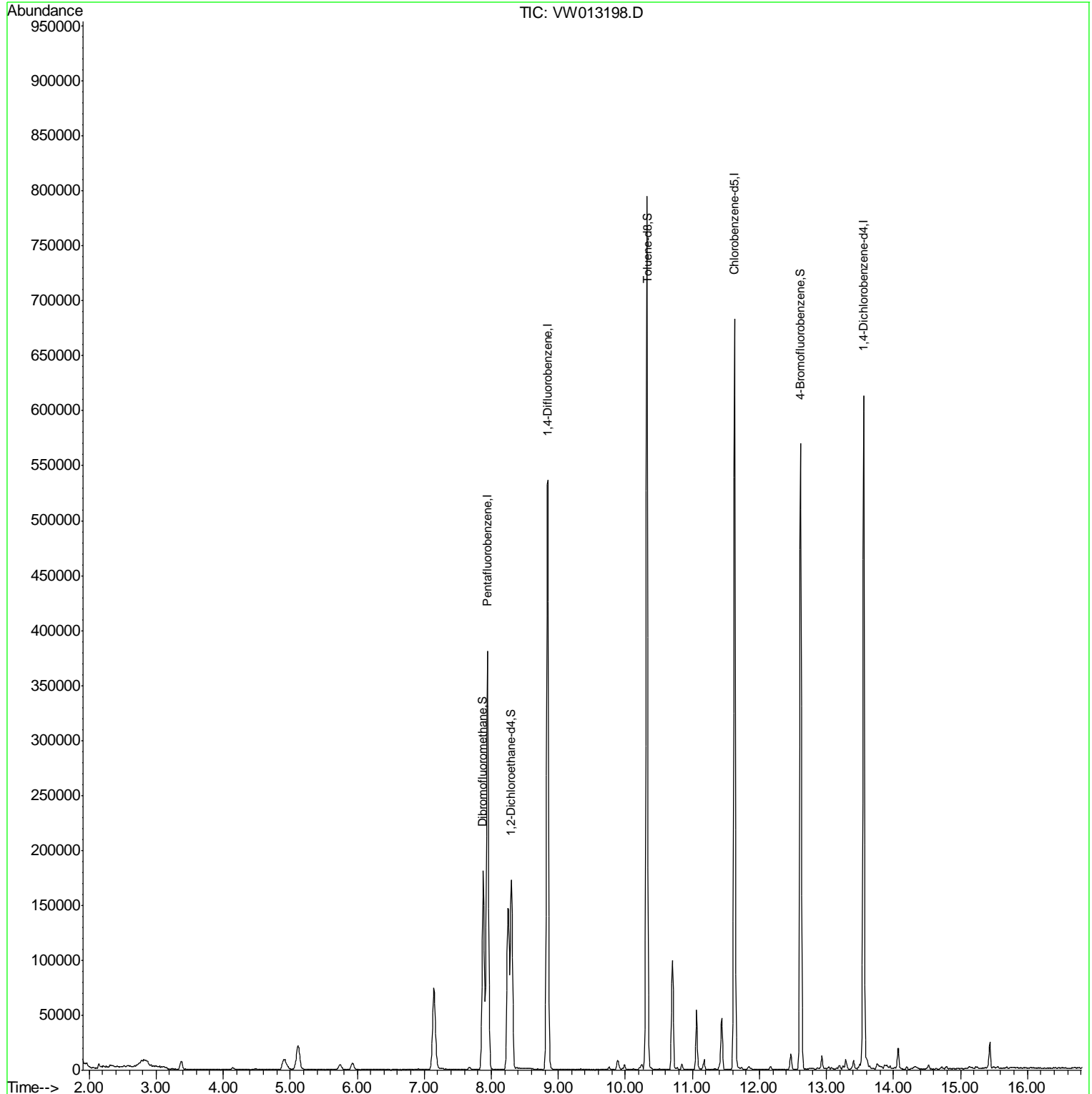
Qvalue

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

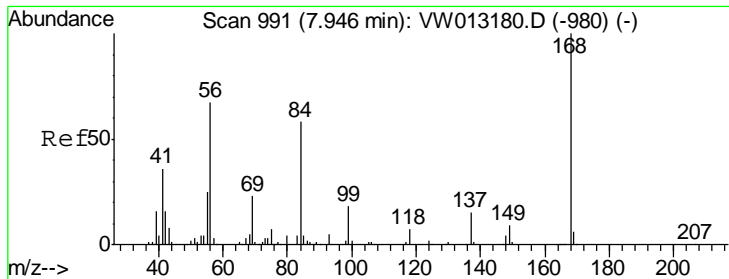
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013198.D
 Acq On : 20 Sep 2019 22:45
 Operator : SY/VA
 Sample : VW0920SBL02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampleId :
 VW0920SBL02

Quant Time: Sep 21 05:37:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



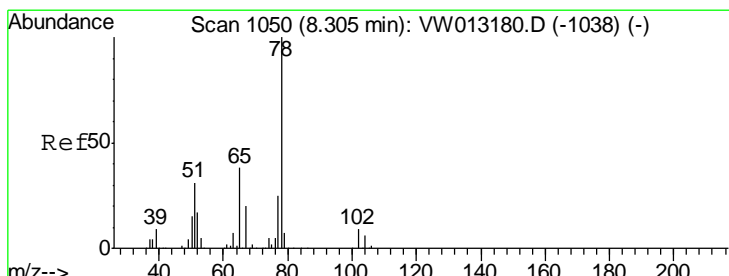
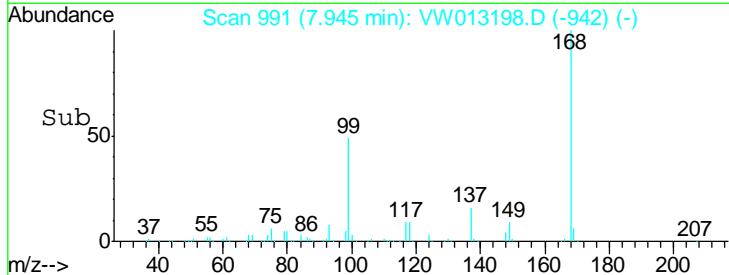
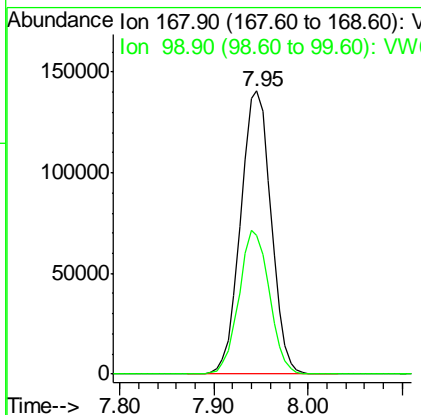
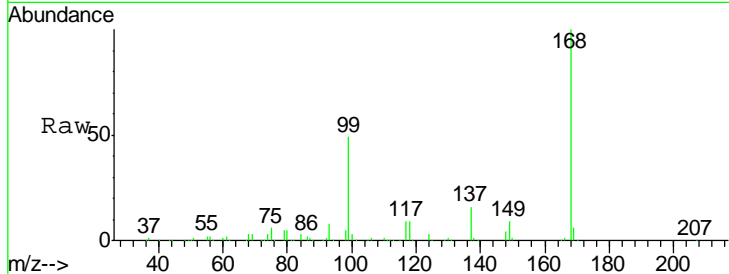
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

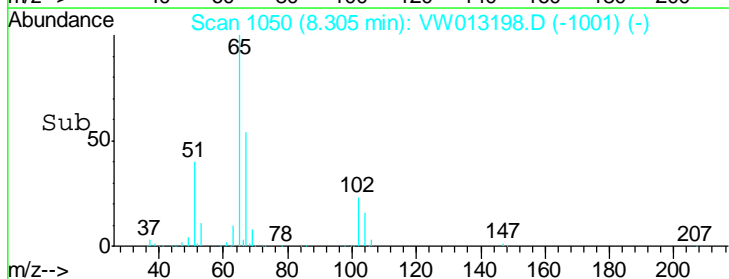
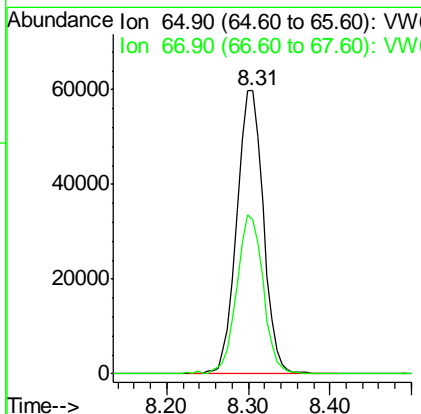
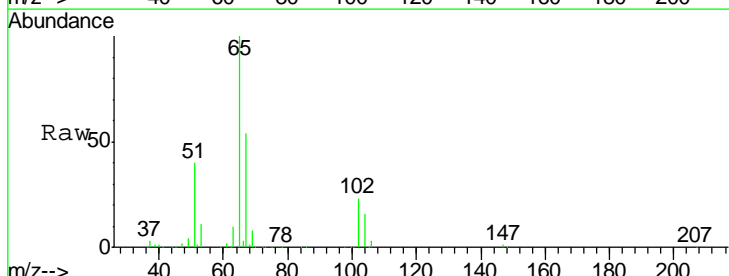
Instrument : MSVOA_W
 ClientSampled : VW0920SBL02

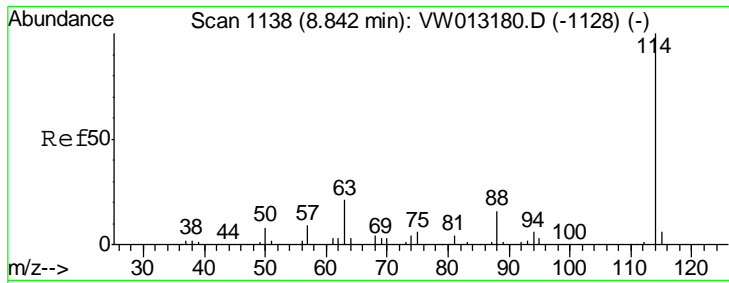
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.9	40.2	60.4



#33
 1,2-Dichloroethane-d4
 Concen: 52.148 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.7	0.0	106.2

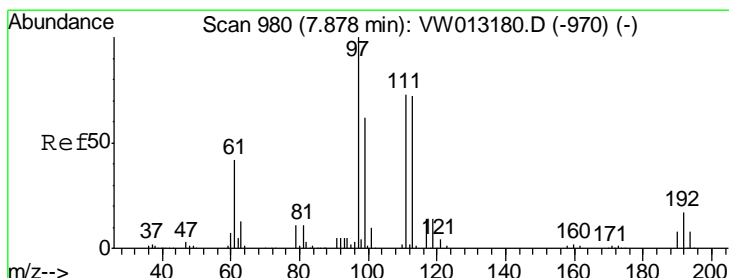
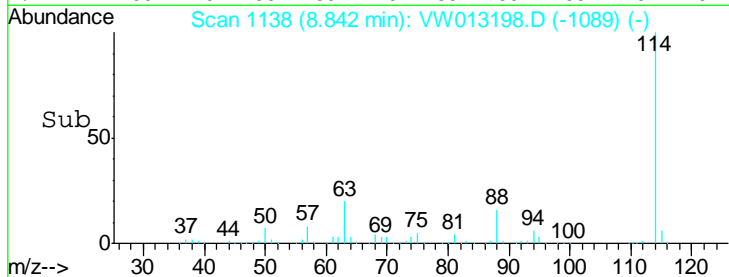
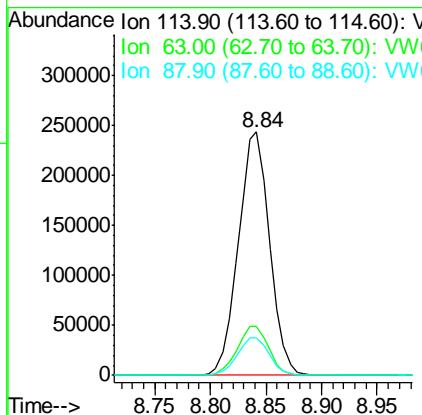
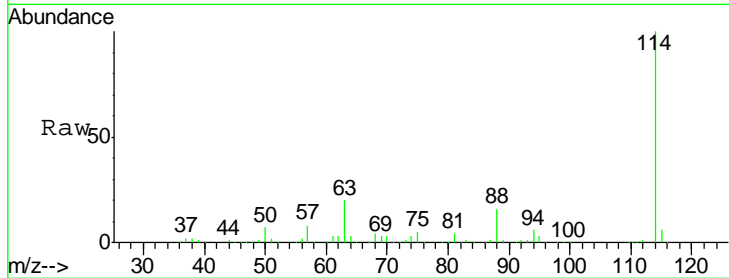




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

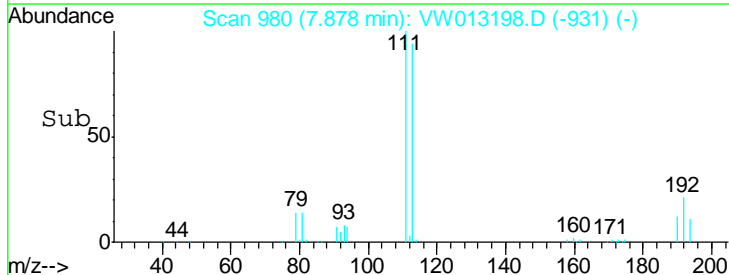
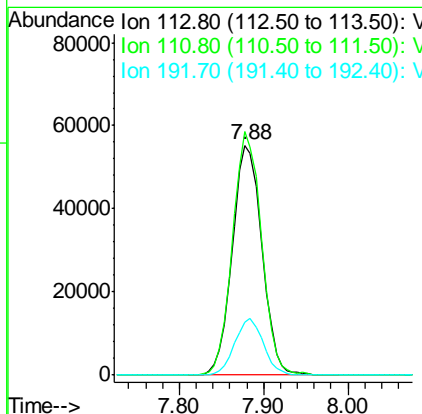
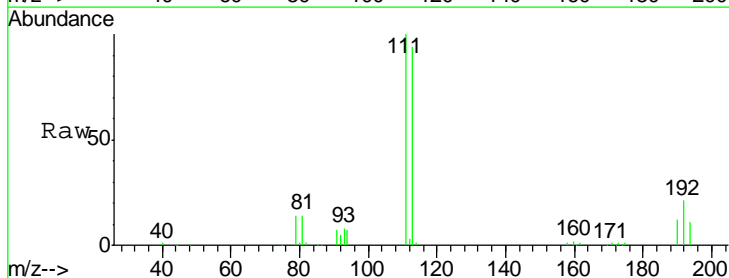
Instrument : MSVOA_W
 ClientSampled : VW0920SBL02

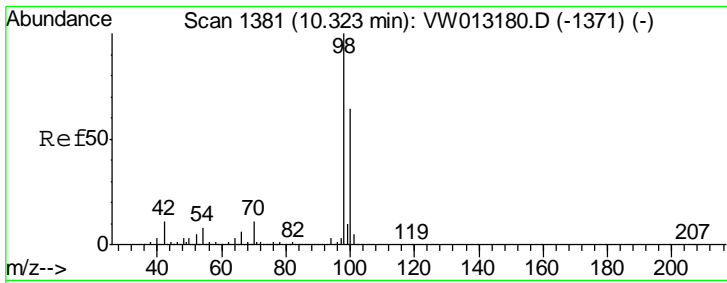
Tgt Ion	Resp	Lower	Upper
114	473428		
63	20.0	0.0	41.4
88	15.6	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 50.411 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

Tgt Ion	Resp	Lower	Upper
113	131264		
111	103.7	81.9	122.9
192	23.6	19.1	28.7



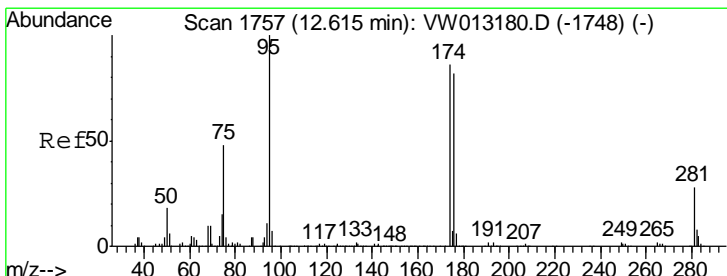
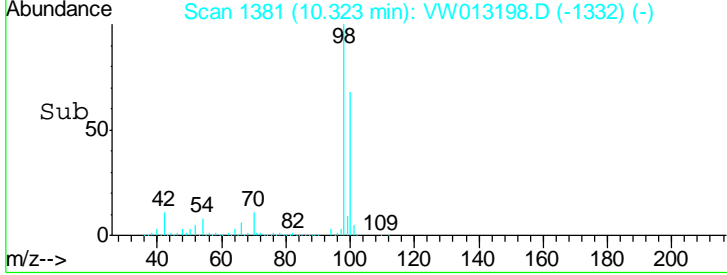
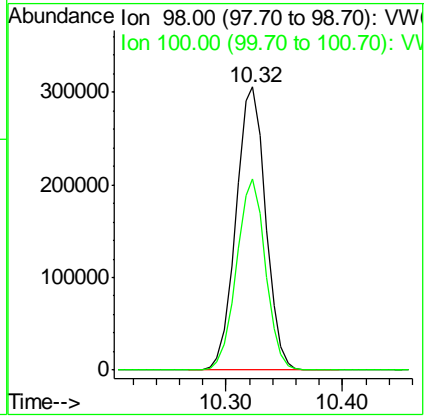
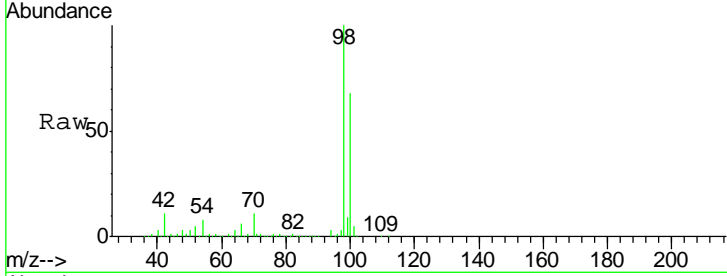


#50
 Toluene-d8
 Concen: 49.745 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

Instrument : MSVOA_W
 ClientSampled : VW0920SBL02

Tgt Ion: 98 Resp: 542098

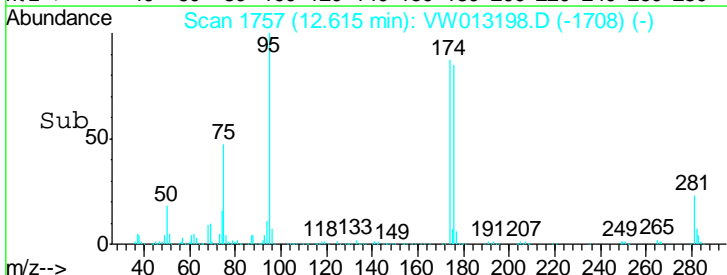
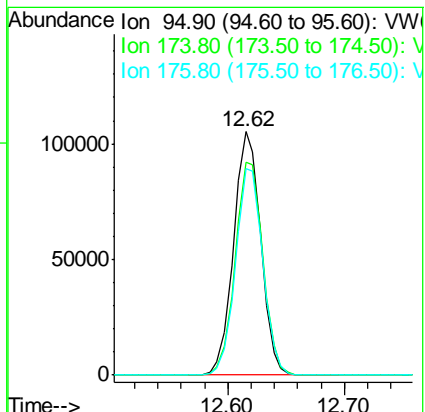
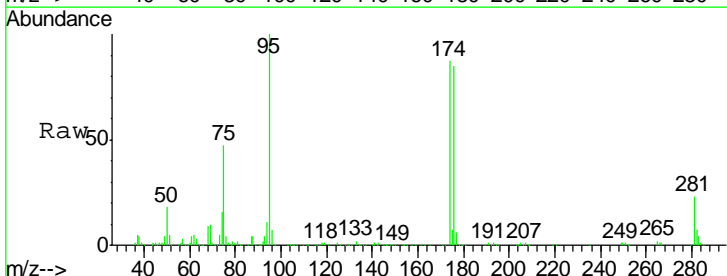
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.9	79.3

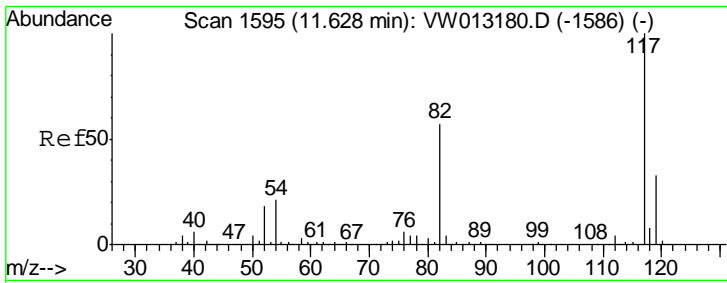


#62
 4-Bromofluorobenzene
 Concen: 45.821 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

Tgt Ion: 95 Resp: 170568

Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	178.4
176	85.6	0.0	172.2

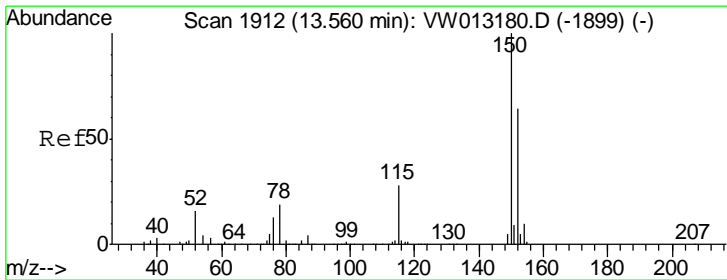
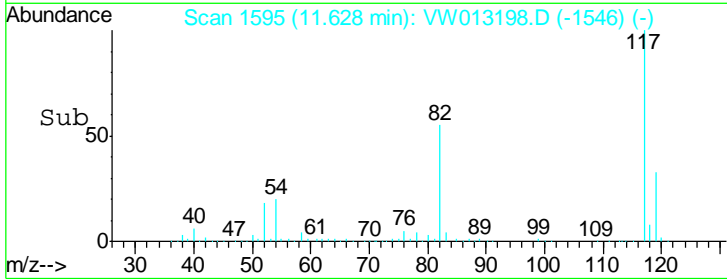
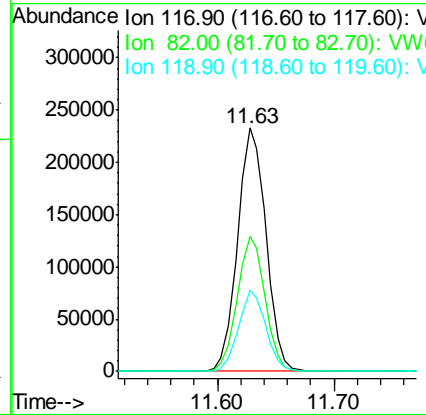
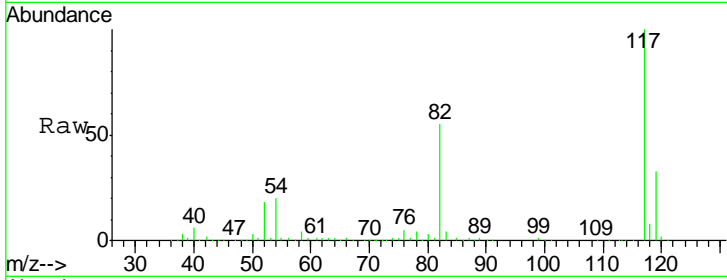




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

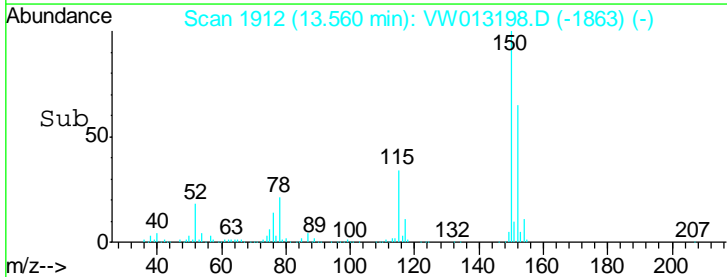
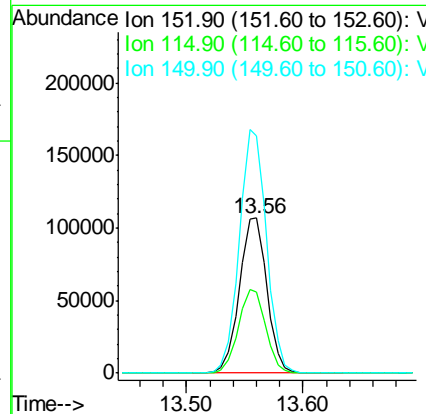
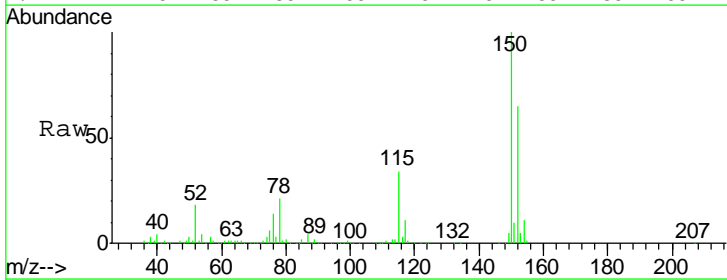
Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBL02

Tgt Ion	Resp	Lower	Upper
117	395558		
82	55.4	45.9	68.9
119	33.2	26.2	39.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

Tgt Ion	Resp	Lower	Upper
152	175351		
152	100		
115	53.9	27.3	81.9
150	155.8	0.0	349.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013198.D
 Acq On : 20 Sep 2019 22:45
 Operator : SY/VA
 Sample : VW0920SBL02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBL02

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.373	234	241	249	rBV2	7397	18598	1.32%	0.218%
2	4.903	483	492	493	rBV2	8997	17185	1.22%	0.201%
3	5.117	516	527	542	rVB	21452	78763	5.58%	0.922%
4	5.738	619	629	645	rVB5	4874	16437	1.16%	0.192%
5	5.927	653	660	671	rVB4	5924	17524	1.24%	0.205%
6	7.147	848	860	874	rBV	74573	227753	16.13%	2.667%
7	7.878	970	980	985	rBV2	180327	425711	30.15%	4.985%
8	7.939	985	990	1001	rVB	380585	855051	60.56%	10.013%
9	8.250	1030	1041	1045	rBV	147129	366995	25.99%	4.298%
10	8.299	1045	1049	1060	rVB	171396	385555	27.31%	4.515%
11	8.842	1127	1138	1151	rBV	536755	1067901	75.63%	12.506%
12	9.884	1301	1309	1317	rBV3	8501	18521	1.31%	0.217%
13	10.323	1373	1381	1390	rBV	794318	1412004	100.00%	16.536%
14	10.701	1436	1443	1451	rBV	99592	183420	12.99%	2.148%
15	11.061	1496	1502	1510	rBV	54055	90471	6.41%	1.059%
16	11.176	1514	1521	1527	rVB2	9630	15071	1.07%	0.176%
17	11.439	1553	1564	1572	rVB2	46980	83911	5.94%	0.983%
18	11.628	1587	1595	1606	rBV	682642	1145730	81.14%	13.417%
19	12.469	1726	1733	1741	rVB	14566	24428	1.73%	0.286%
20	12.615	1747	1757	1768	rBV2	569553	961959	68.13%	11.265%
21	12.932	1804	1809	1818	rVB3	11471	18550	1.31%	0.217%
22	13.292	1863	1868	1875	rVB3	9715	18090	1.28%	0.212%
23	13.408	1877	1887	1891	rBV5	8841	16204	1.15%	0.190%
24	13.554	1904	1911	1918	rBV	609424	1001698	70.94%	11.731%
25	14.066	1990	1995	2006	rVB	18612	32206	2.28%	0.377%
26	15.438	2212	2220	2225	rBV2	23825	39372	2.79%	0.461%

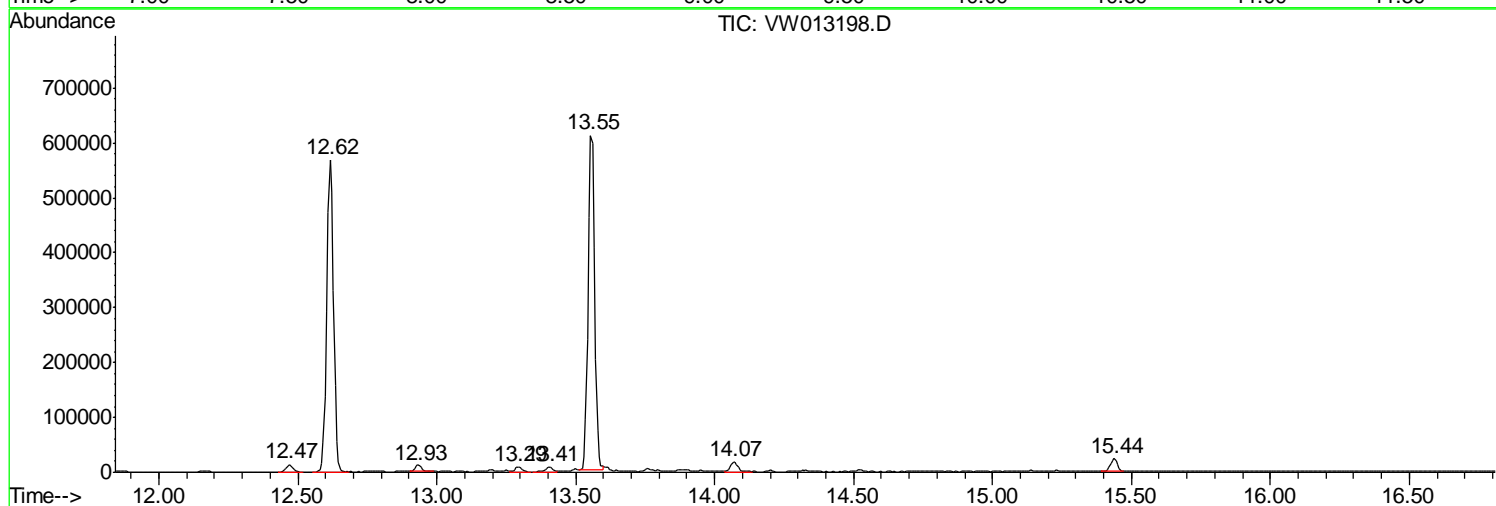
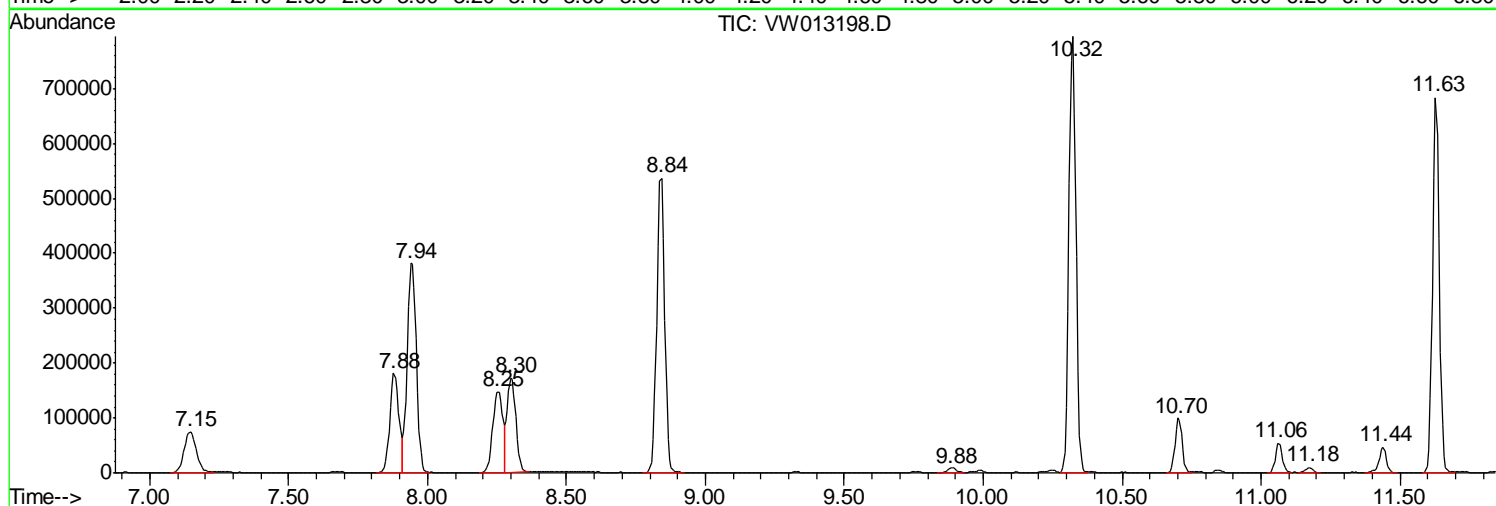
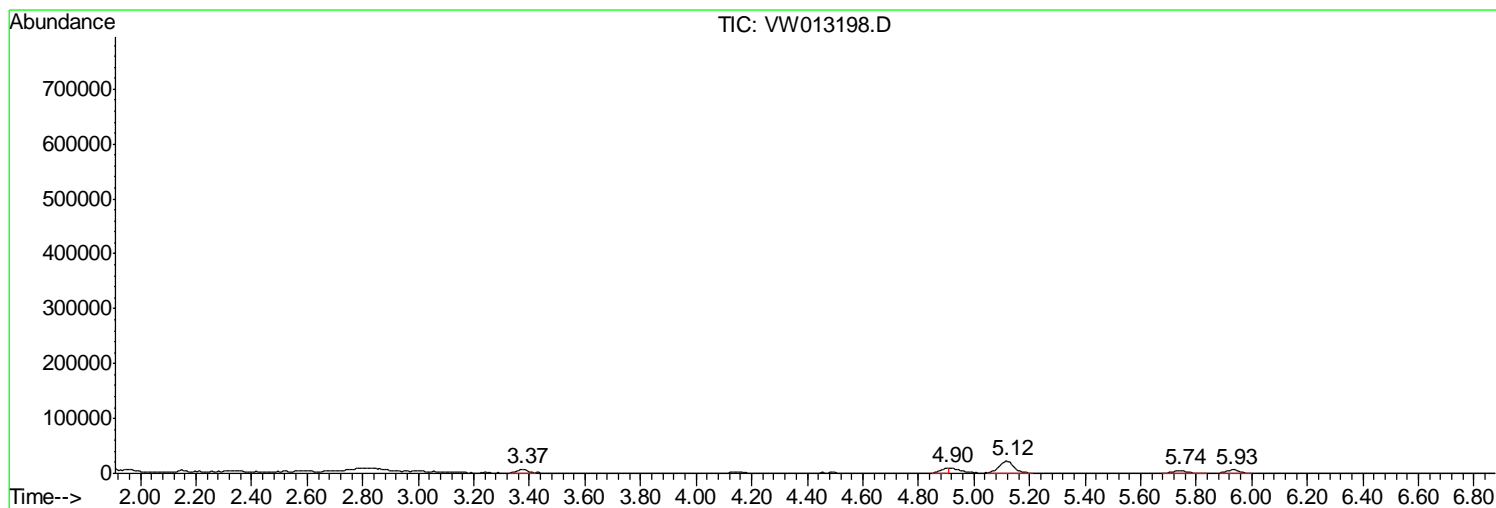
Sum of corrected areas: 8539108

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013198.D
Acq On : 20 Sep 2019 22:45
Operator : SY/VA
Sample : VW0920SBL02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBL02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
Data File : VW013198.D
Acq On : 20 Sep 2019 22:45
Operator : SY/VA
Sample : VW0920SBL02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBL02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0923MBS01	SDG No.:	K4939
Lab Sample ID:	VN0923MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058287.D	1		09/23/19 13:18	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		90.9	500	ug/Kg
74-87-3	Chloromethane	2000		180	500	ug/Kg
75-01-4	Vinyl Chloride	2000		110	500	ug/Kg
74-83-9	Bromomethane	2100		37.8	500	ug/Kg
75-00-3	Chloroethane	2100		57.5	500	ug/Kg
75-69-4	Trichlorofluoromethane	1900		64.6	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		80.1	500	ug/Kg
75-35-4	1,1-Dichloroethene	2000		99.1	500	ug/Kg
67-64-1	Acetone	9600		770	2500	ug/Kg
75-15-0	Carbon Disulfide	1800		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2100		140	500	ug/Kg
79-20-9	Methyl Acetate	2300		280	500	ug/Kg
75-09-2	Methylene Chloride	2100		520	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2000		130	500	ug/Kg
75-34-3	1,1-Dichloroethane	2000		91.0	500	ug/Kg
110-82-7	Cyclohexane	1900		180	500	ug/Kg
78-93-3	2-Butanone	11000		670	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1900		82.5	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2000		98.6	500	ug/Kg
74-97-5	Bromochloromethane	2200		120	500	ug/Kg
67-66-3	Chloroform	2000		86.3	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	2000		110	500	ug/Kg
108-87-2	Methylcyclohexane	1900		120	500	ug/Kg
71-43-2	Benzene	1900		83.9	500	ug/Kg
107-06-2	1,2-Dichloroethane	2000		120	500	ug/Kg
79-01-6	Trichloroethene	1900		93.2	500	ug/Kg
78-87-5	1,2-Dichloropropane	2000		120	500	ug/Kg
75-27-4	Bromodichloromethane	2000		99.3	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12200		560	2500	ug/Kg
108-88-3	Toluene	1900		97.5	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2000		100	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1900		110	500	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0923MBS01	SDG No.:	K4939
Lab Sample ID:	VN0923MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058287.D	1		09/23/19 13:18	VN092319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2100		140	500	ug/Kg
591-78-6	2-Hexanone	11700		740	2500	ug/Kg
124-48-1	Dibromochloromethane	2000		130	500	ug/Kg
106-93-4	1,2-Dibromoethane	2000		130	500	ug/Kg
127-18-4	Tetrachloroethene	1800		69.5	500	ug/Kg
108-90-7	Chlorobenzene	1900		78.8	500	ug/Kg
100-41-4	Ethyl Benzene	2000		85.4	500	ug/Kg
179601-23-1	m/p-Xylenes	3800		170	1000	ug/Kg
95-47-6	o-Xylene	2000		110	500	ug/Kg
100-42-5	Styrene	2000		99.1	500	ug/Kg
75-25-2	Bromoform	2000		330	500	ug/Kg
98-82-8	Isopropylbenzene	2100		86.6	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2300		110	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		110	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		110	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2100		130	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2300		330	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		110	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2000		130	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		56 - 120	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		67 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		33 - 141	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	448000	7.65			
540-36-3	1,4-Difluorobenzene	767000	8.58			
3114-55-4	Chlorobenzene-d5	685000	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	322000	13.35			



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0923MBS01	SDG No.:	K4939
Lab Sample ID:	VN0923MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN058287.D	1		09/23/19 13:18	VN092319

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058287.D
 Acq On : 23 Sep 2019 13:18
 Operator : JC/SP
 Sample : VN0923MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:39 AM

Quant Time: Sep 24 03:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	447656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	766557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	685170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	331920	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.58	113	233101	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	908922	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.41	95	322287	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66243	18.014	ug/l	98
3) Chloromethane	2.03	50	57833	19.778	ug/l	99
4) Vinyl Chloride	2.17	62	64456	20.255	ug/l	99
5) Bromomethane	2.55	94	33752	20.995	ug/l	90
6) Chloroethane	2.69	64	43134	20.698	ug/l	95
7) Trichlorofluoromethane	3.00	101	95850	19.096	ug/l	100
8) Diethyl Ether	3.39	74	43462	18.897	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69392	19.174	ug/l	99
10) Methyl Iodide	3.93	142	56060	18.486	ug/l	98
11) Tert butyl alcohol	4.76	59	88645	119.522	ug/l	# 89
12) 1,1-Dichloroethene	3.72	96	54448	19.609	ug/l	96
13) Acrolein	3.59	56	15019	136.646	ug/l	97
14) Allyl chloride	4.30	41	114111	19.270	ug/l	100
15) Acrylonitrile	4.97	53	225753	114.247	ug/l	99
16) Acetone	3.80	43	203970	96.376	ug/l	98
17) Carbon Disulfide	4.03	76	69920	18.260	ug/l	100
18) Methyl Acetate	4.30	43	127013	22.807	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	283347	20.759	ug/l	98
20) Methylene Chloride	4.54	84	76902	20.624	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	59541	19.651	ug/l	96
22) Diisopropyl ether	5.93	45	305746	20.325	ug/l	92
23) Vinyl Acetate	5.88	43	1105720	107.424	ug/l	99
24) 1,1-Dichloroethane	5.83	63	161386	20.101	ug/l	99
25) 2-Butanone	6.82	43	317844	110.235	ug/l	99
26) 2,2-Dichloropropane	6.81	77	120078	17.630	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	89008	19.607	ug/l	99
28) Bromochloromethane	7.18	49	83845	22.076	ug/l	# 98
29) Tetrahydrofuran	7.19	42	201760	113.600	ug/l	99
30) Chloroform	7.36	83	173346	20.058	ug/l	99
31) Cyclohexane	7.64	56	107360	19.200	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	133970	20.363	ug/l	99
36) 1,1-Dichloropropene	7.78	75	98506	17.819	ug/l	99
37) Ethyl Acetate	6.91	43	126838	22.109	ug/l	98
38) Carbon Tetrachloride	7.76	117	106261	19.122	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058287.D
 Acq On : 23 Sep 2019 13:18
 Operator : JC/SP
 Sample : VN0923MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:39 AM

Quant Time: Sep 24 03:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	98904	18.549	µg/l	98
40) Benzene	8.03	78	321444	19.038	µg/l	99
41) Methacrylonitrile	7.16	41	62652	22.194	µg/l #	100
42) 1,2-Dichloroethane	8.11	62	139140	19.639	µg/l	100
43) Isopropyl Acetate	8.15	43	213682	19.944	µg/l #	91
44) Trichloroethene	8.83	130	77729	18.812	µg/l	95
45) 1,2-Dichloropropane	9.11	63	101761	20.181	µg/l	98
46) Dibromomethane	9.20	93	62950	20.534	µg/l	96
47) Bromodichloromethane	9.40	83	130277	20.285	µg/l	98
48) Methyl methacrylate	9.19	41	102012	20.970	µg/l	99
49) 1,4-Dioxane	9.19	88	38124	477.330	µg/l	98
51) 4-Methyl-2-Pentanone	9.98	43	696510	122.390	µg/l	98
52) Toluene	10.15	92	201260	19.020	µg/l	99
53) t-1,3-Dichloropropene	10.38	75	128382	19.514	µg/l	100
54) cis-1,3-Dichloropropene	9.83	75	139560	19.214	µg/l	99
55) 1,1,2-Trichloroethane	10.56	97	96785	20.611	µg/l	97
56) Ethyl methacrylate	10.43	69	138707	20.472	µg/l	99
57) 1,3-Dichloropropane	10.71	76	162309	20.106	µg/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	348968	108.131	µg/l	99
59) 2-Hexanone	10.75	43	494563	117.012	µg/l	99
60) Dibromochloromethane	10.90	129	90032	19.929	µg/l	98
61) 1,2-Dibromoethane	11.00	107	88240	20.276	µg/l	99
64) Tetrachloroethene	10.63	164	61554	18.429	µg/l	98
65) Chlorobenzene	11.44	112	232623	19.302	µg/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	90046	20.606	µg/l	100
67) Ethyl Benzene	11.51	91	414131	20.055	µg/l	99
68) m/p-Xylenes	11.63	106	298601	38.393	µg/l	97
69) o-Xylene	11.95	106	149299	19.522	µg/l	99
70) Styrene	11.97	104	266364	20.215	µg/l	99
71) Bromoform	12.13	173	57299	20.009	µg/l #	99
73) Isopropylbenzene	12.26	105	426407	21.174	µg/l	100
74) N-amyl acetate	12.08	43	188465	22.371	µg/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	152218	22.572	µg/l	99
76) 1,2,3-Trichloropropane	12.56	75	126598m	21.987	µg/l	
77) Bromobenzene	12.53	156	99426	19.628	µg/l	95
78) n-propylbenzene	12.60	91	497297	21.731	µg/l	98
79) 2-Chlorotoluene	12.68	91	297191	20.780	µg/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	360911	21.194	µg/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	34576	21.586	µg/l	94
82) 4-Chlorotoluene	12.78	91	310132	20.629	µg/l	99
83) tert-Butylbenzene	13.00	119	322766	21.254	µg/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	366472	21.625	µg/l	100
85) sec-Butylbenzene	13.18	105	425664	21.435	µg/l	99
86) p-Isopropyltoluene	13.30	119	380301	21.541	µg/l	100
87) 1,3-Dichlorobenzene	13.29	146	186454	20.152	µg/l	100
88) 1,4-Dichlorobenzene	13.37	146	188489	19.955	µg/l	99
89) n-Butylbenzene	13.62	91	334616	19.991	µg/l	99
90) Hexachloroethane	13.88	117	59806	21.050	µg/l	97
91) 1,2-Dichlorobenzene	13.66	146	192211	20.710	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	27619	22.749	µg/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058287.D
 Acq On : 23 Sep 2019 13:18
 Operator : JC/SP
 Sample : VN0923MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBS01

Manual Integrations
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 9/25/2019 12:47:39 AM

Quant Time: Sep 24 03:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114086	19.239	ug/l	99
94) Hexachlorobutadiene	15.02	225	52795	18.420	ug/l	99
95) Naphthalene	15.14	128	326186	21.225	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109319	19.505	ug/l	99

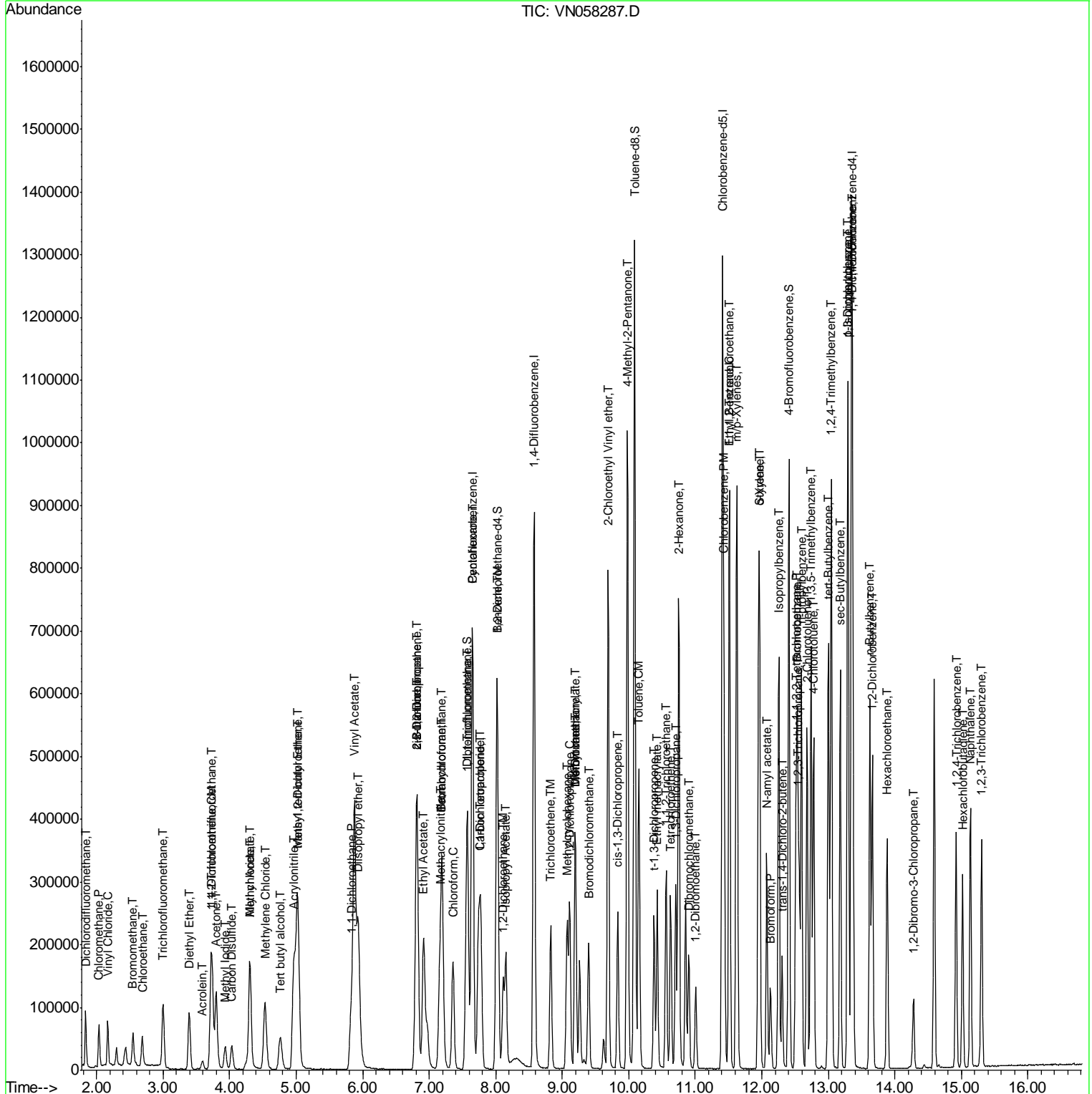
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058287.D
 Acq On : 23 Sep 2019 13:18
 Operator : JC/SP
 Sample : VN0923MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

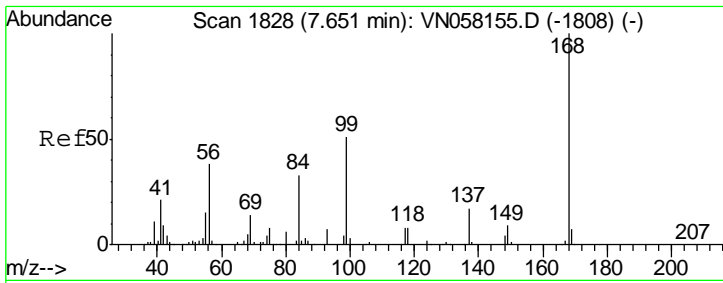
Instrument :
 MSVOA_N
 Client Sampled :
 VN0923MBS01

Manual Integrations
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 9/25/2019 12:47:39 AM

Quant Time: Sep 24 03:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration



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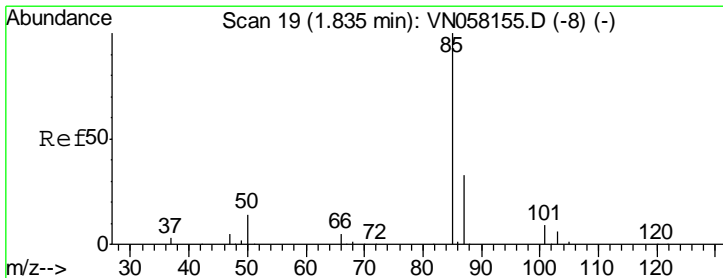
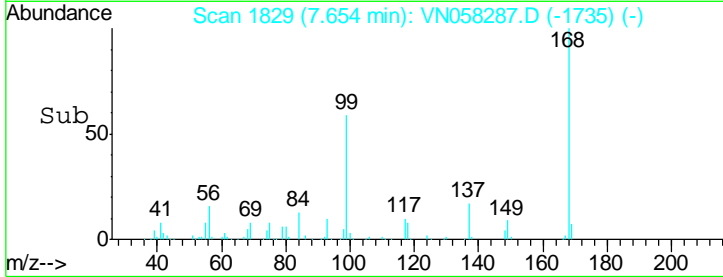
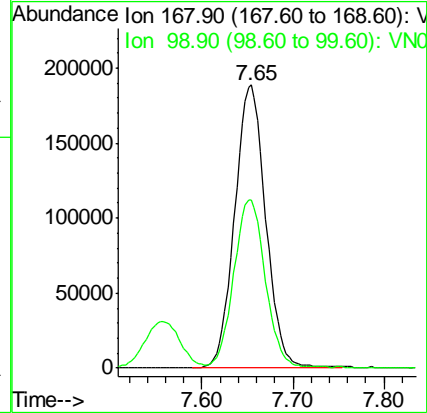
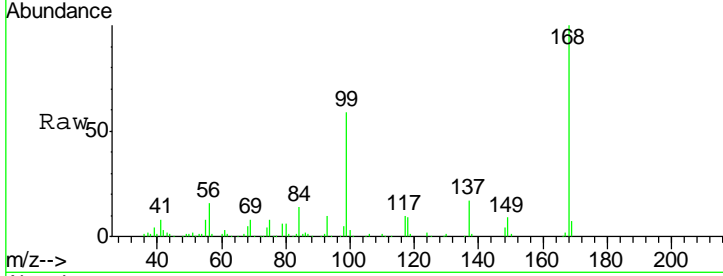
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

Tgt Ion	Resp	Lower	Upper
168	100		
99	58.9	47.4	71.2

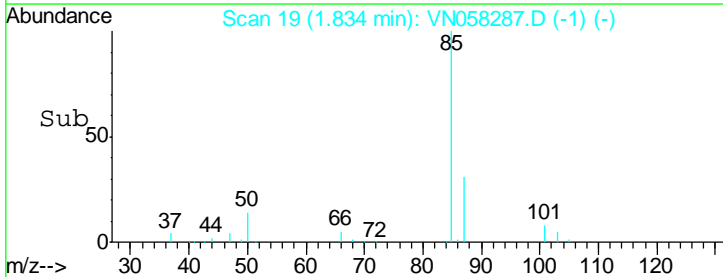
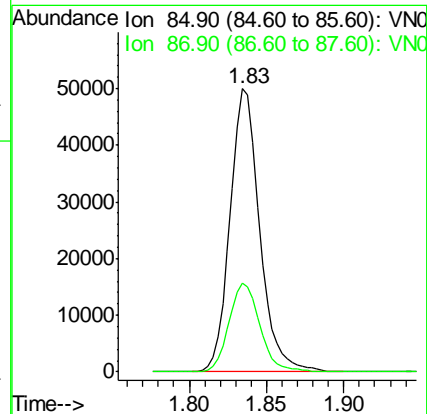
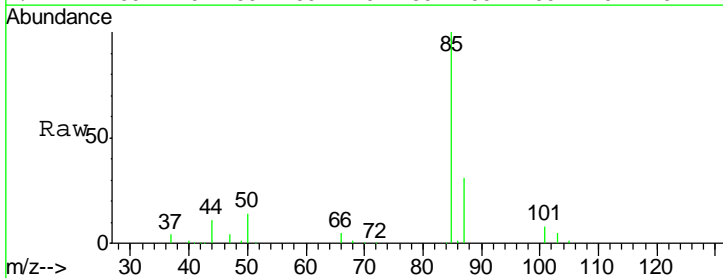
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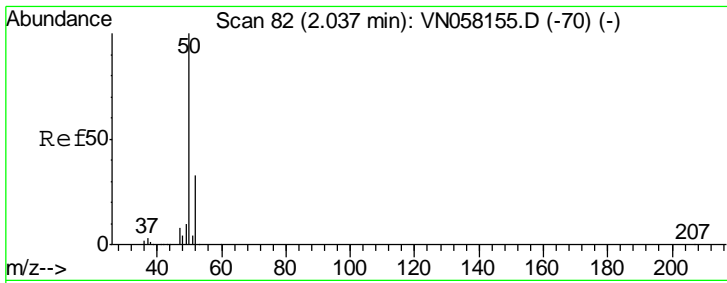
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 9/25/2019 12:47:39 AM



#2
 Dichlorodifluoromethane
 Concen: 18.014 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.3	16.3	48.9



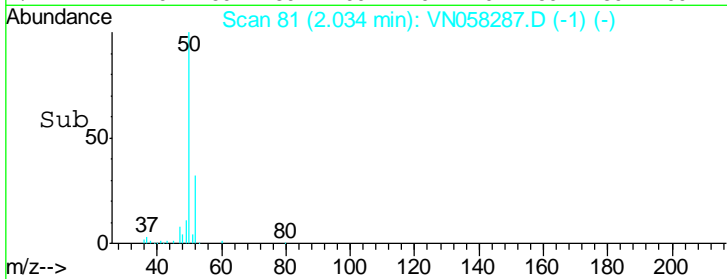
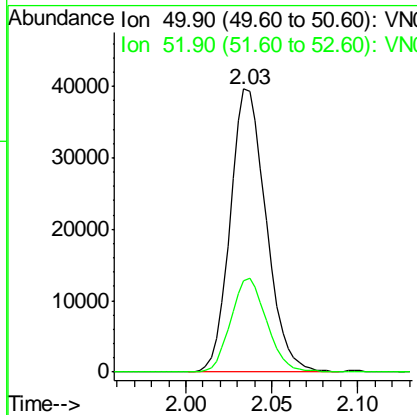
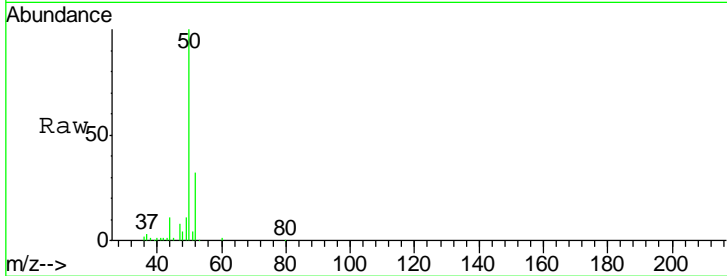


#3
 Chloromethane
 Concen: 19.778 ug/l
 RT: 2.03 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
50	57833		
50	100		
52	32.4	26.3	39.5

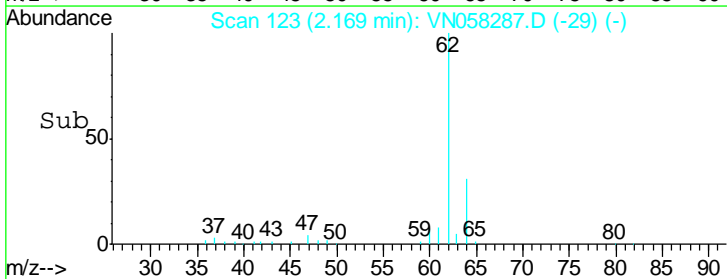
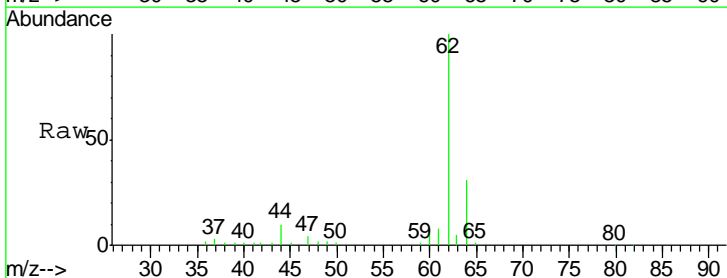
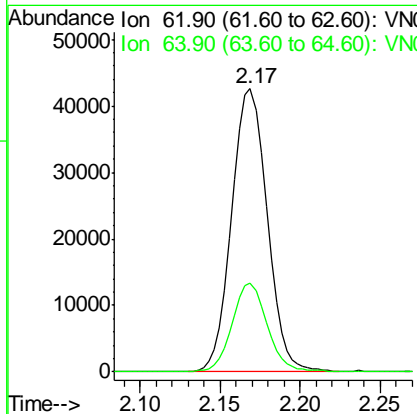
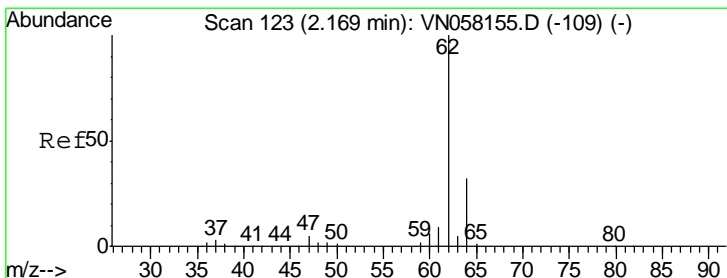
Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

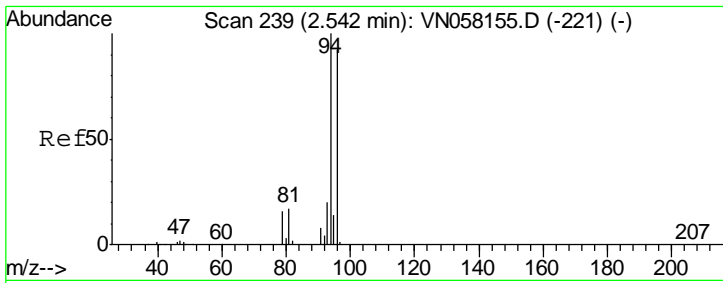
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#4
 Vinyl Chloride
 Concen: 20.255 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
62	64456		
62	100		
64	31.3	25.4	38.2





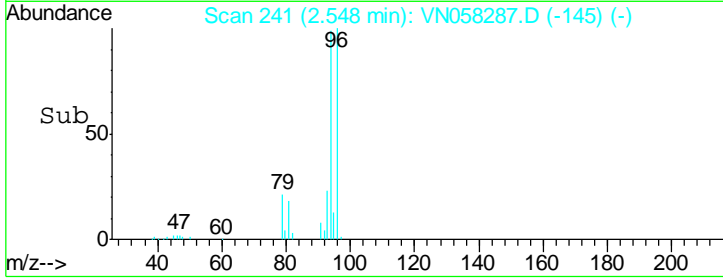
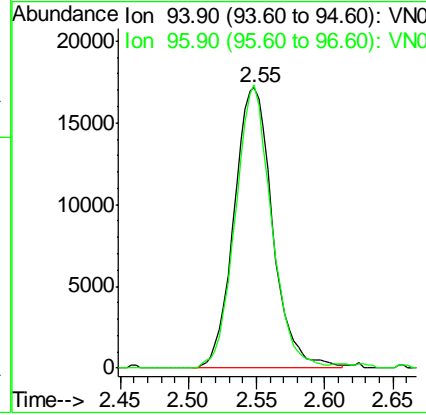
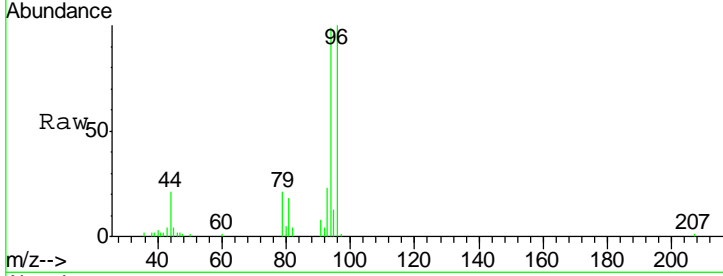
#5
 Bromomethane
 Concen: 20.995 ug/l
 RT: 2.55 min Scan# 241
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

Tgt Ion	Resp	Lower	Upper
94	100		
96	100.9	73.3	109.9

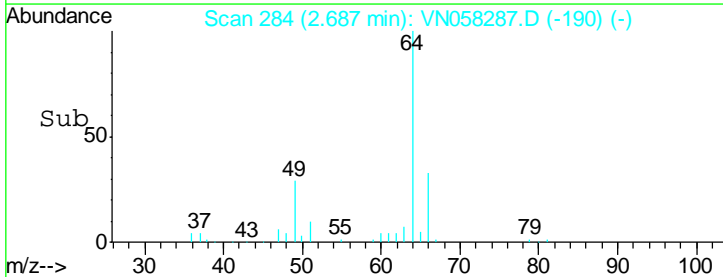
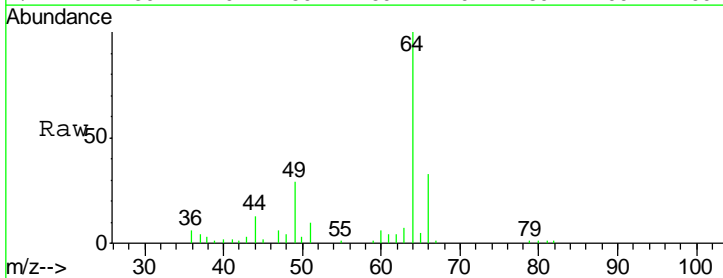
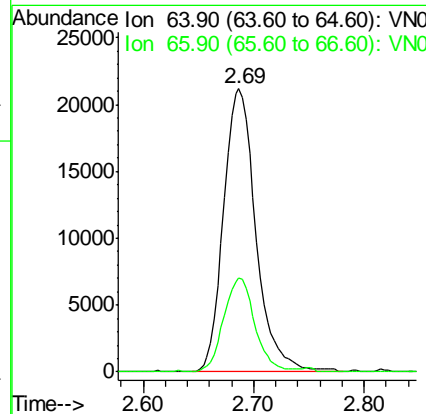
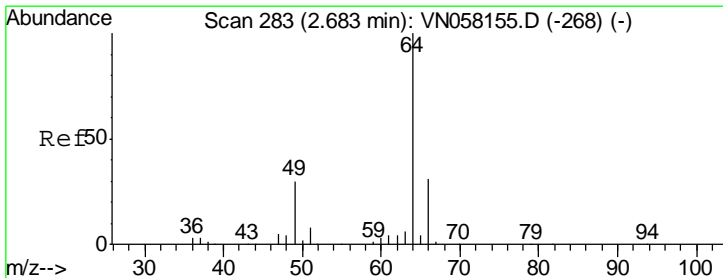
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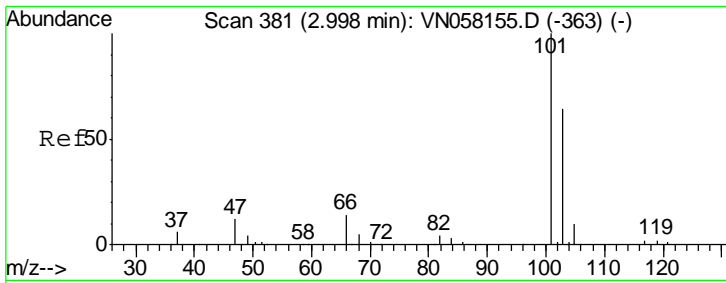
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#6
 Chloroethane
 Concen: 20.698 ug/l
 RT: 2.69 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
64	100		
66	33.3	24.6	37.0



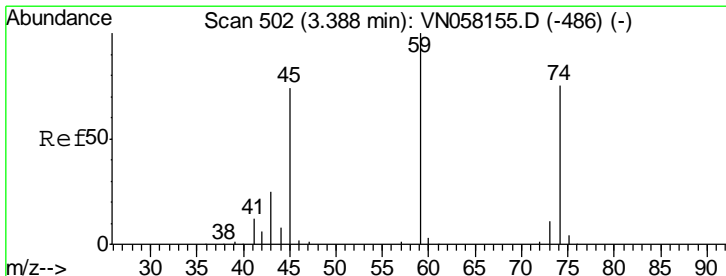
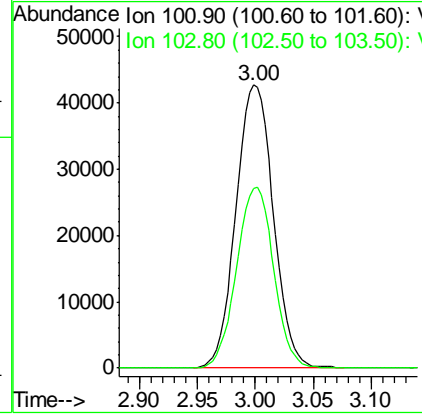
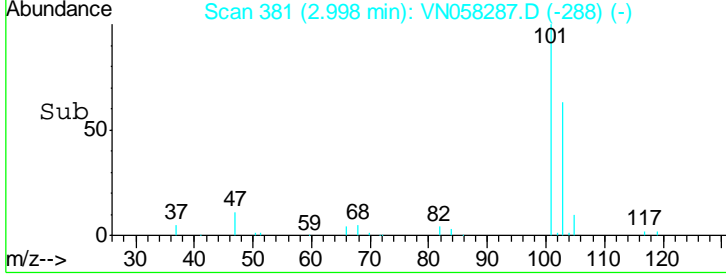
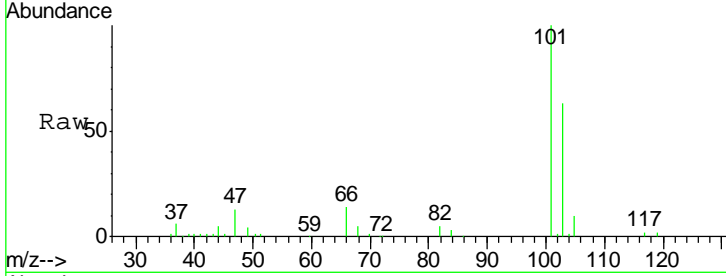


#7
 Trichlorofluoromethane
 Concen: 19.096 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
101	100		
103	63.5	51.0	76.6

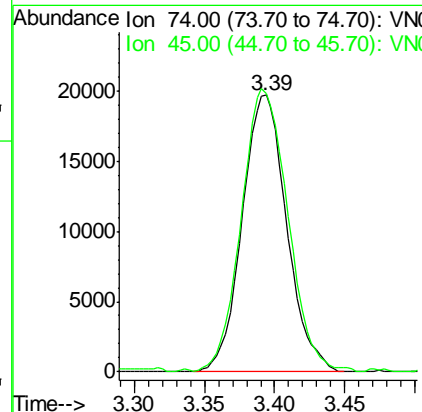
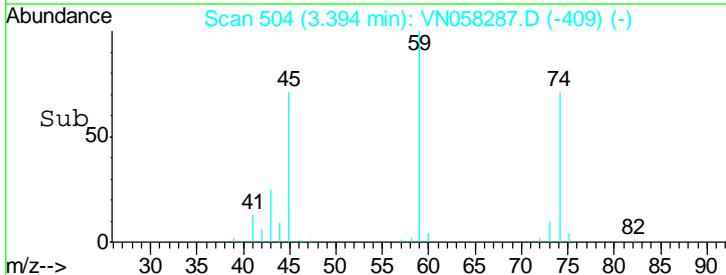
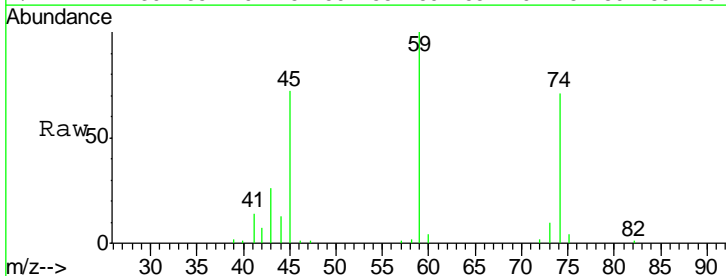
Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

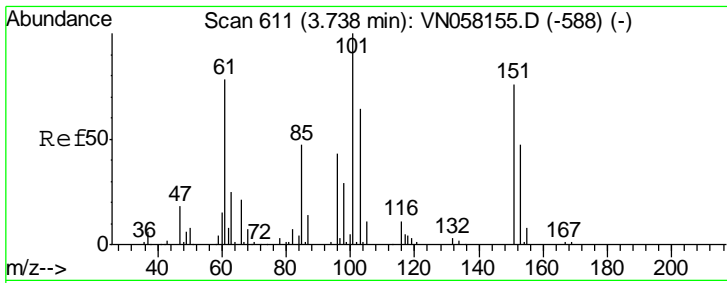
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#8
 Diethyl Ether
 Concen: 18.897 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
74	100		
45	107.4	48.5	145.5





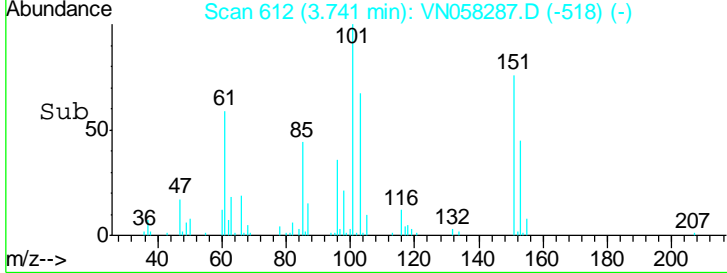
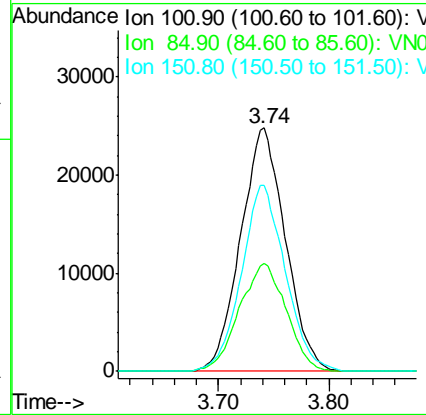
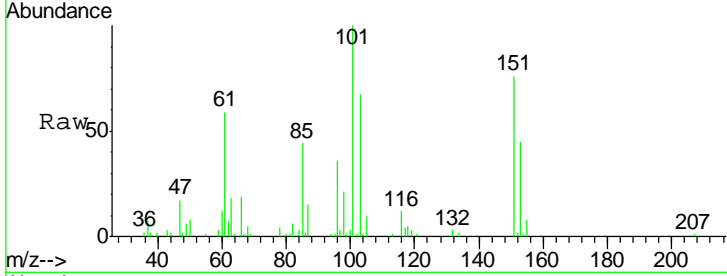
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.174 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion	Resp	Lower	Upper
101	69392		
101	100		
85	46.6	37.3	55.9
151	75.4	59.6	89.4

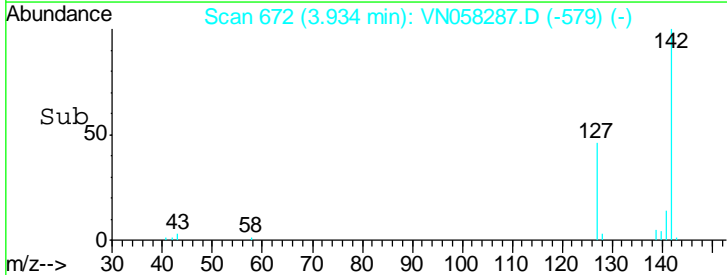
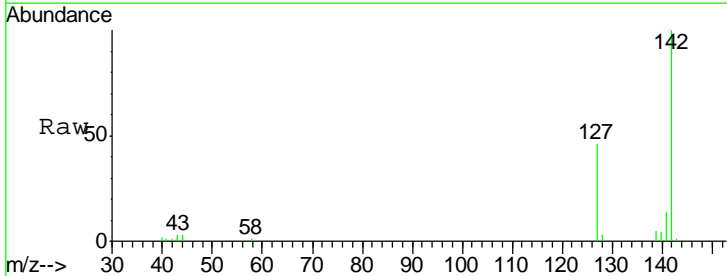
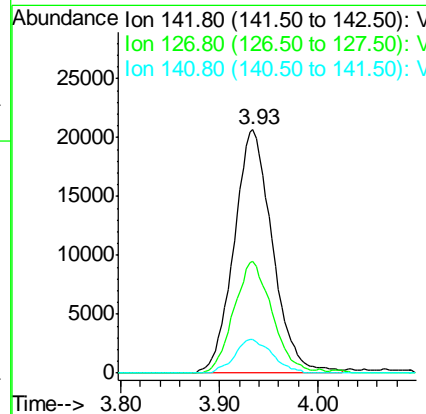
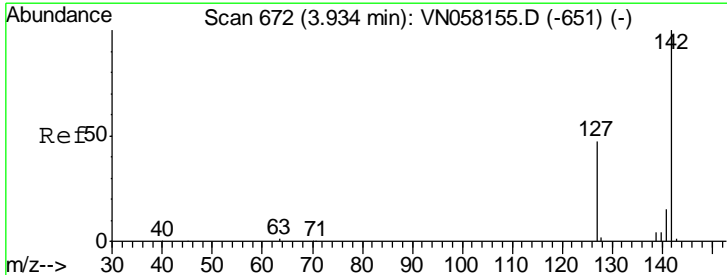
Manual Integrations
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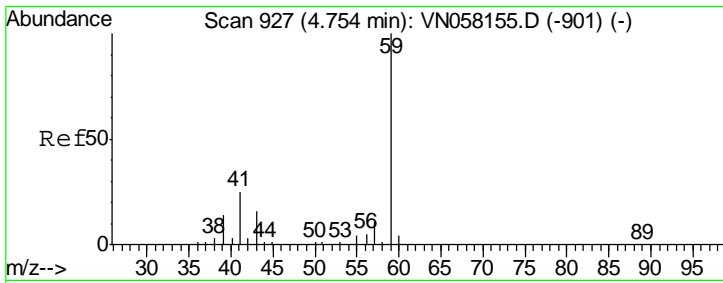
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#10
 Methyl Iodide
 Concen: 18.486 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
142	56060		
142	100		
127	45.4	37.5	56.3
141	13.5	11.4	17.2





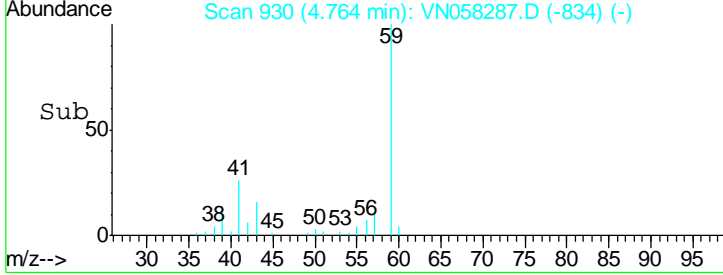
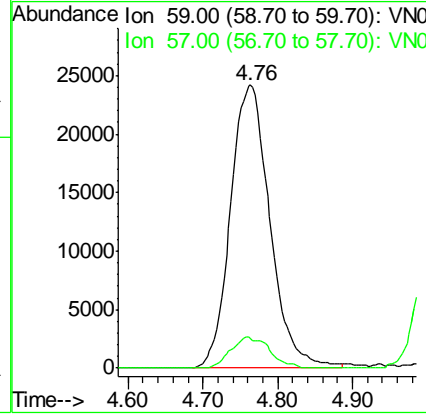
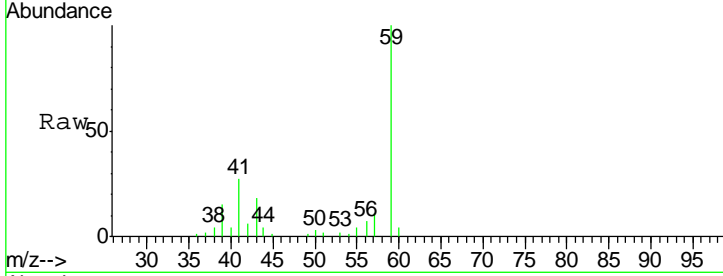
#11
 Tert butyl alcohol
 Concen: 119.522 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

Tgt Ion	Resp	Lower	Upper
59	100		
57	6.7	8.6	13.0#

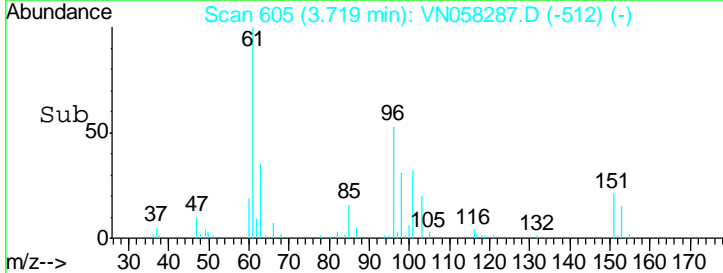
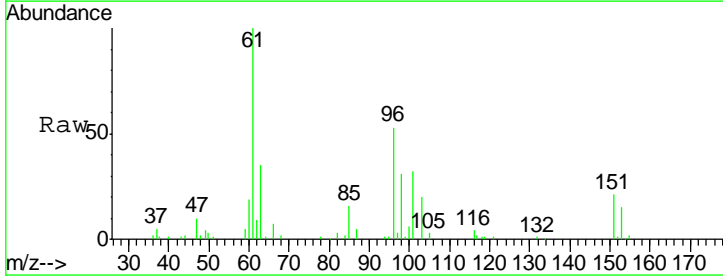
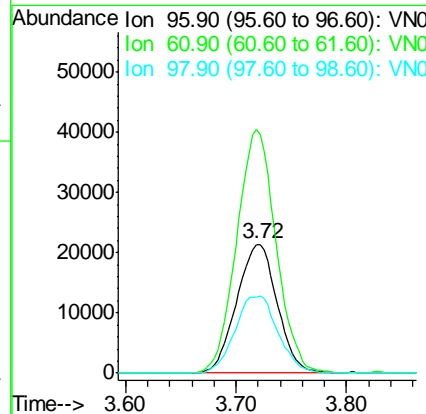
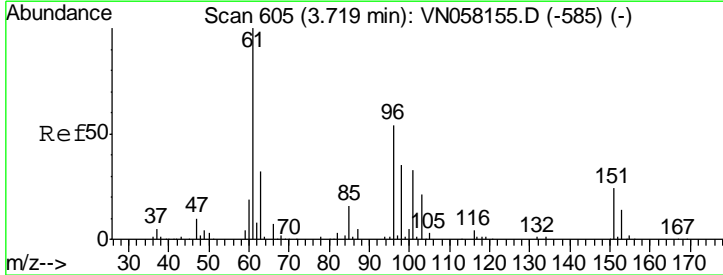
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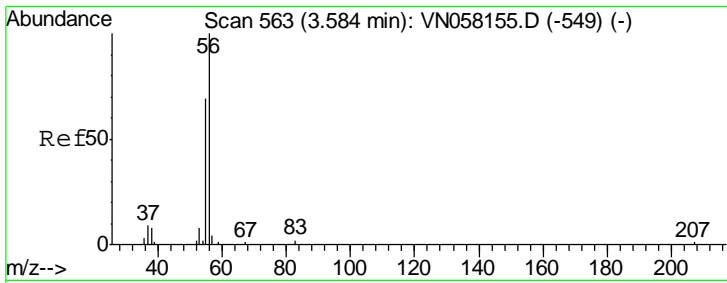
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 9/25/2019 12:47:39 AM



#12
 1,1-Dichloroethene
 Concen: 19.609 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

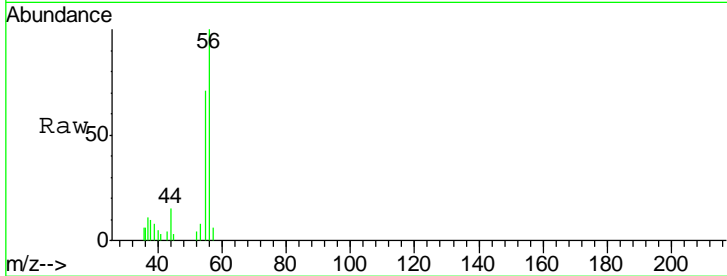
Tgt Ion	Resp	Lower	Upper
96	100		
61	189.6	149.5	224.3
98	58.8	52.4	78.6





#13
 Acrolein
 Concen: 136.646 ug/l
 RT: 3.59 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

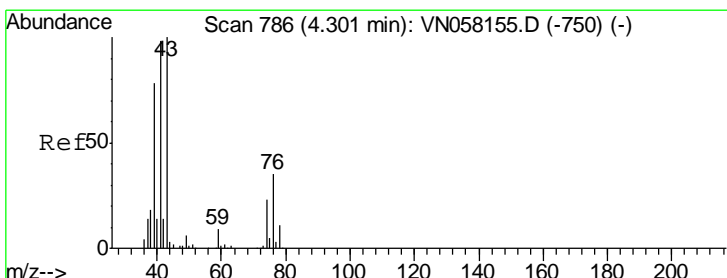
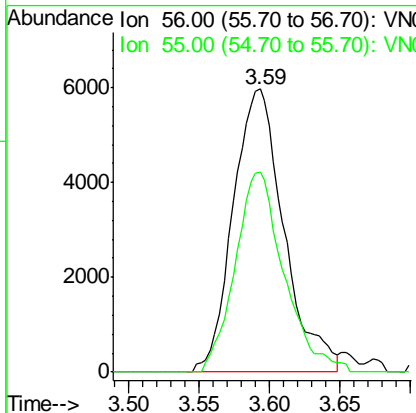
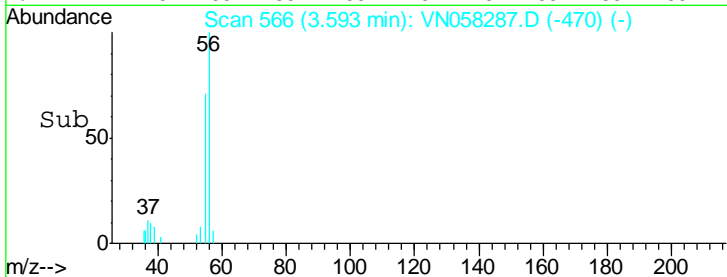
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01



Tgt Ion: 56 Resp: 15019

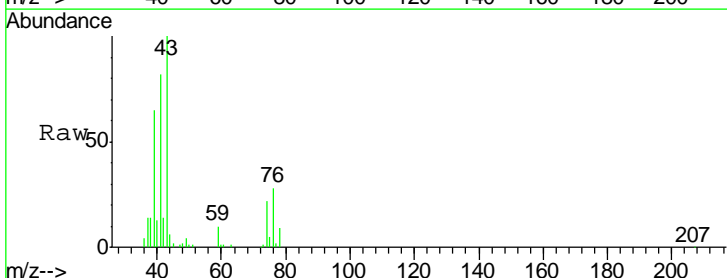
Ion	Ratio	Lower	Upper
56	100		
55	68.0	56.1	84.1

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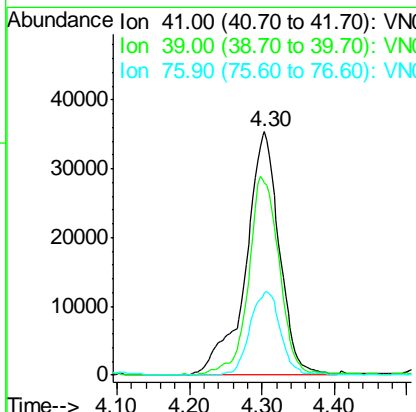
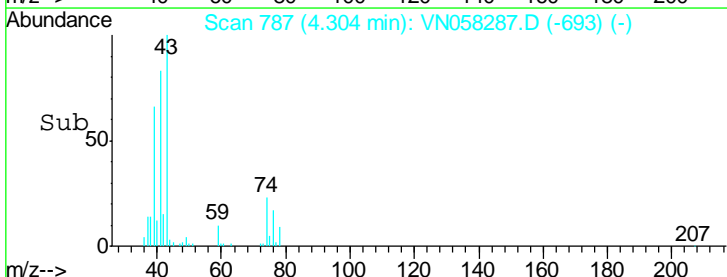
#14
 Allyl chloride
 Concen: 19.270 ug/l
 RT: 4.30 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

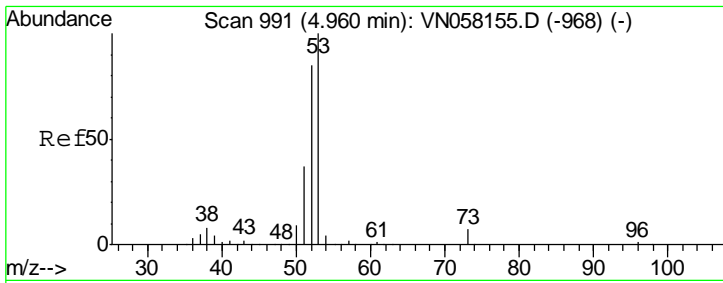
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Tgt Ion: 41 Resp: 114111

Ion	Ratio	Lower	Upper
41	100		
39	73.7	59.1	88.7
76	30.9	25.1	37.7





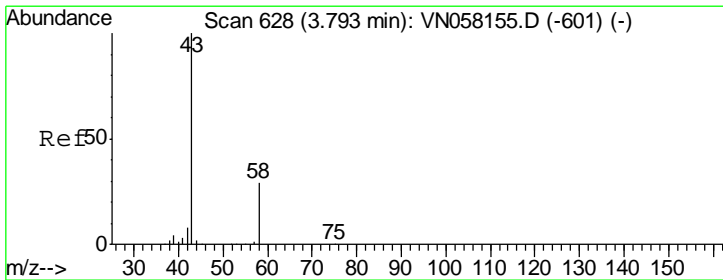
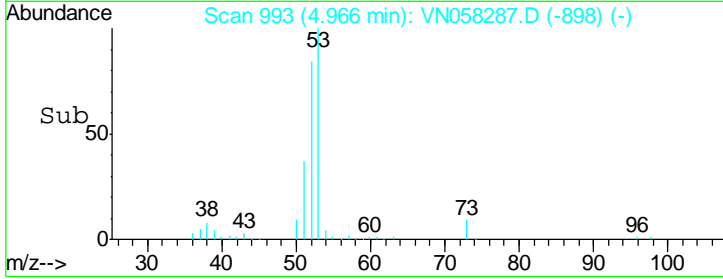
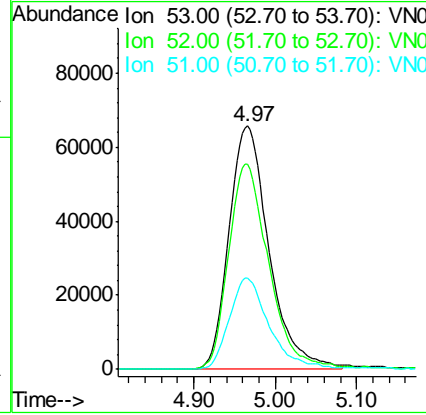
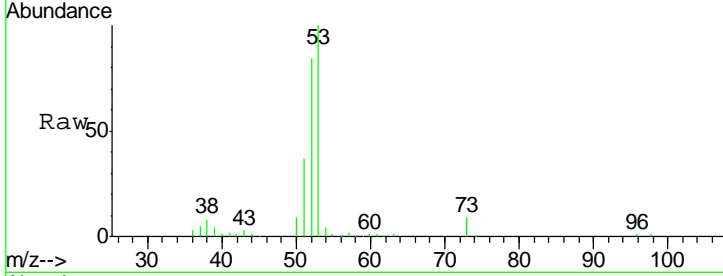
#15
 Acrylonitrile
 Concen: 114.247 ug/l
 RT: 4.97 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VN058287.D
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Tgt Ion	Resp	Lower	Upper
53	100		
52	84.3	66.6	100.0
51	37.3	29.7	44.5

Instrument : MSVOA_N
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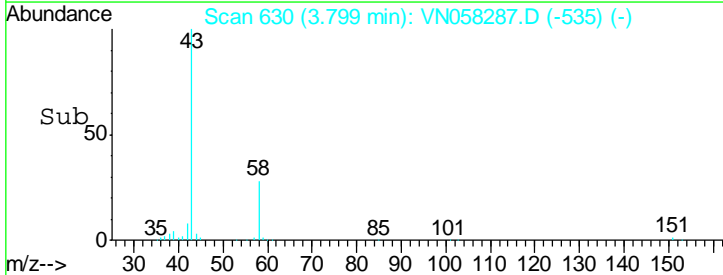
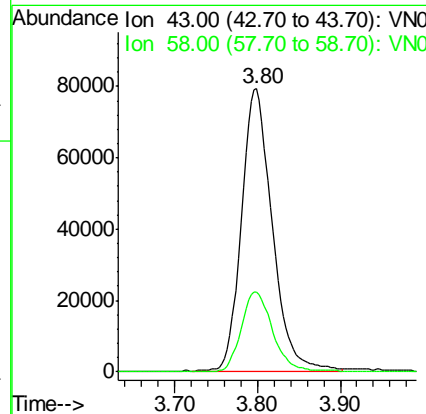
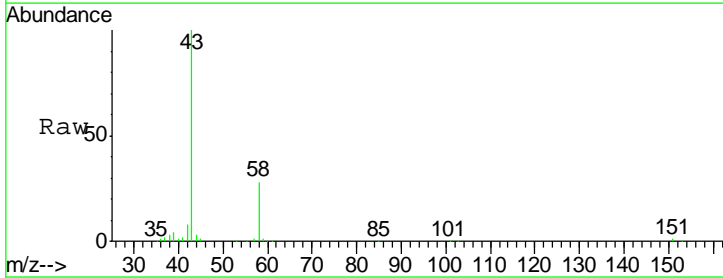
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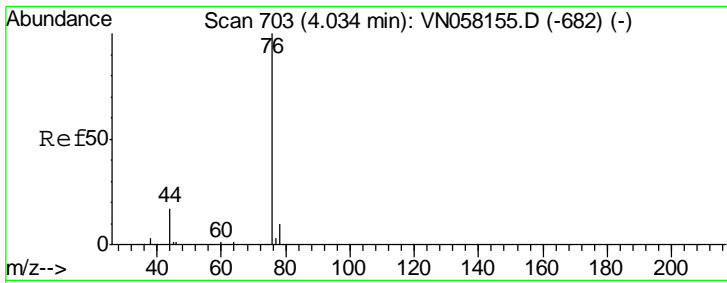
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#16
 Acetone
 Concen: 96.376 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.3	23.4	35.2



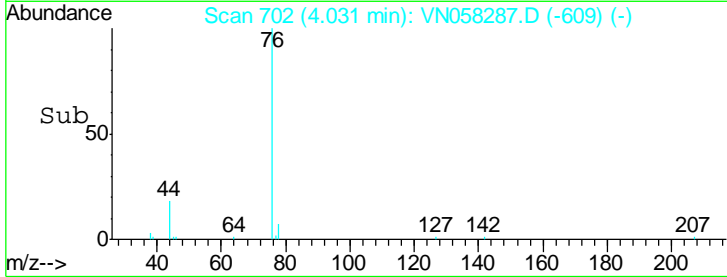
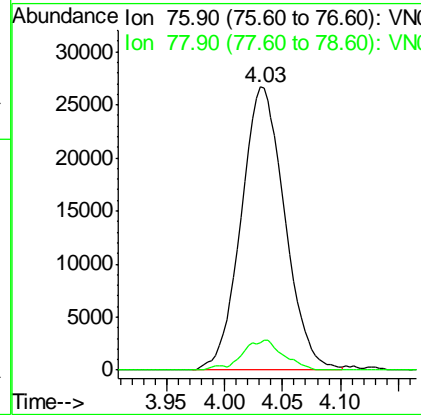
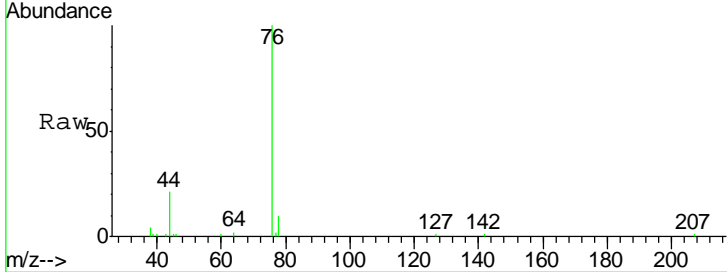


#17
 Carbon Disulfide
 Concen: 18.260 ug/l
 RT: 4.03 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
76	69920		
76	100		
78	9.5	7.7	11.5

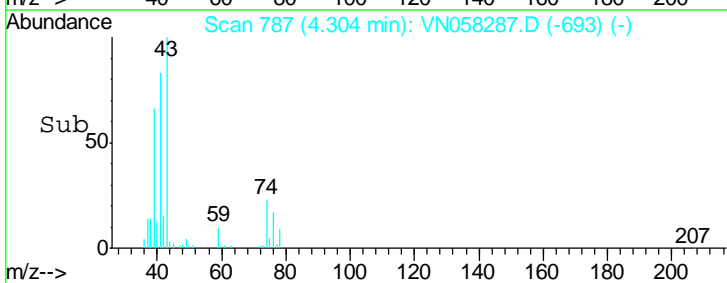
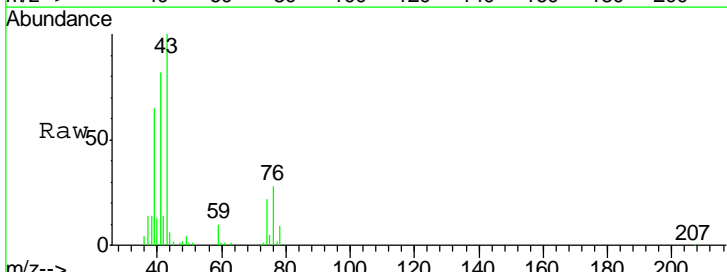
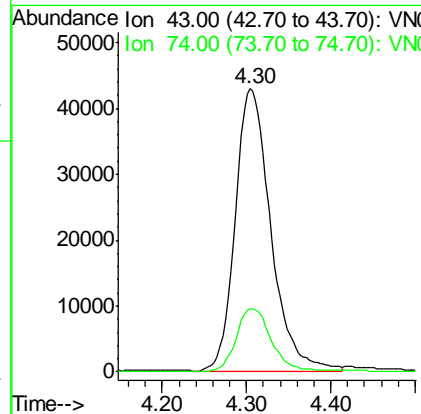
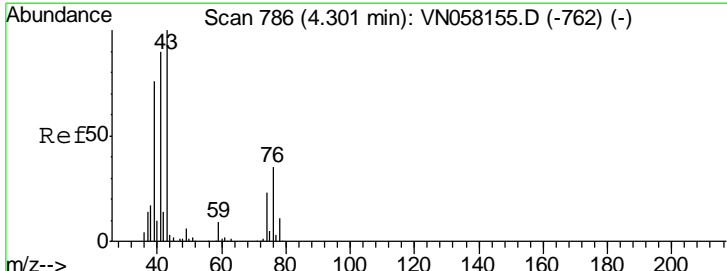
Instrument : MSVOA_N
 ClientSampleId : VN0923MBS01

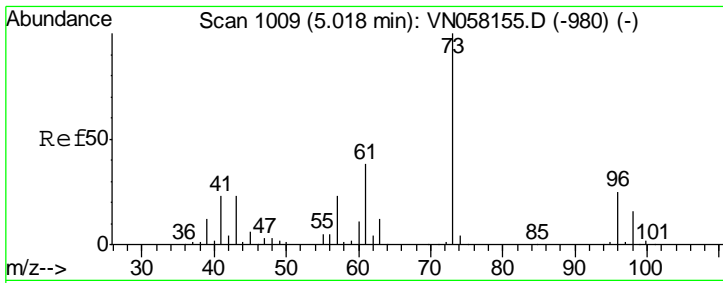
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#18
 Methyl Acetate
 Concen: 22.807 ug/l
 RT: 4.30 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
43	127013		
43	100		
74	22.0	18.0	27.0



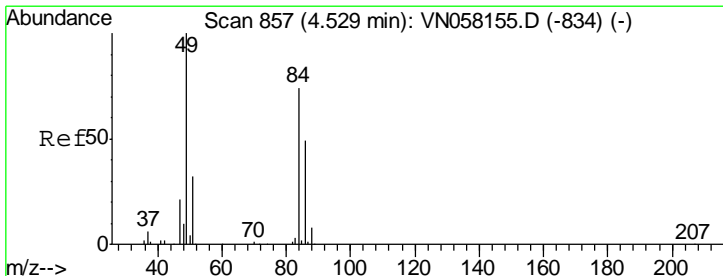
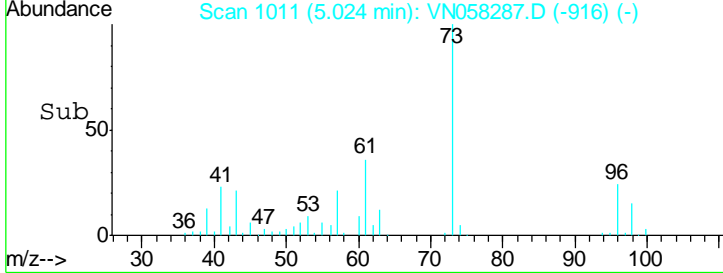
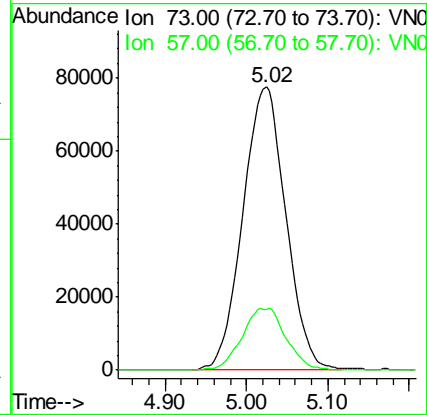
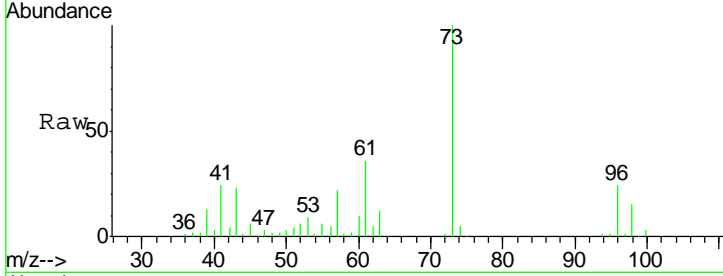


#19
 Methyl tert-butyl Ether
 Concen: 20.759 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.6	18.1	27.1

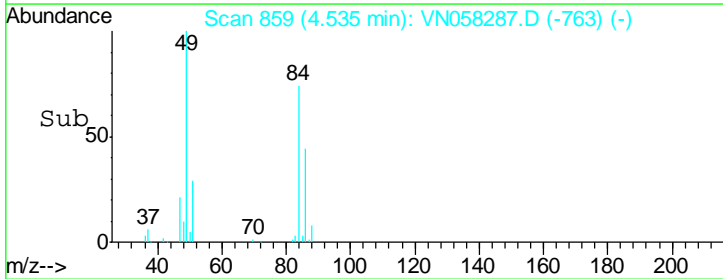
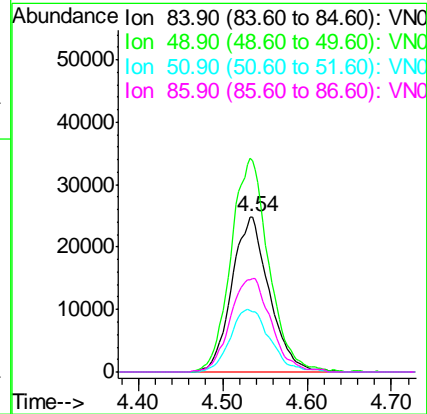
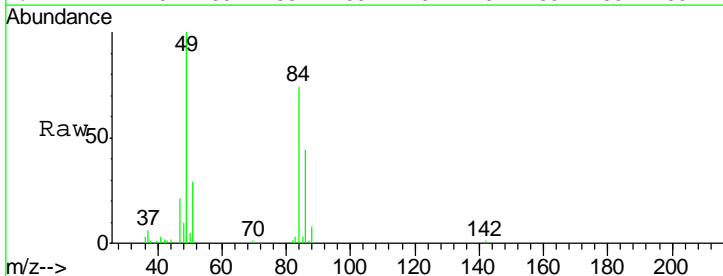
Manual Integrations
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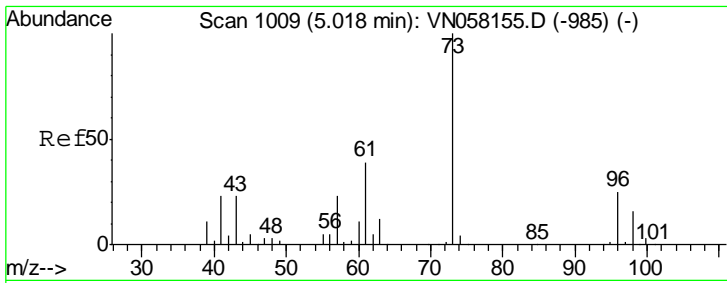


#20
 Methylene Chloride
 Concen: 20.624 ug/l
 RT: 4.54 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

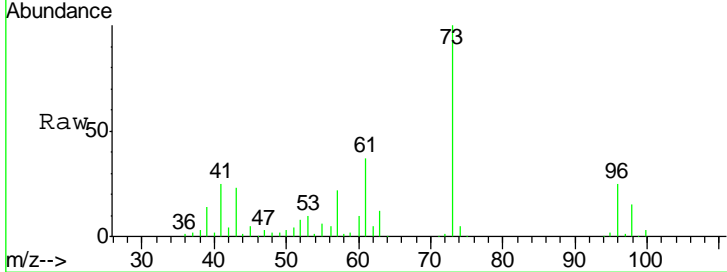
Tgt Ion	Resp	Lower	Upper
84	100		
49	136.0	107.5	161.3
51	39.1	33.9	50.9
86	60.3	52.4	78.6





#21
 trans-1,2-Dichloroethene
 Concen: 19.651 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

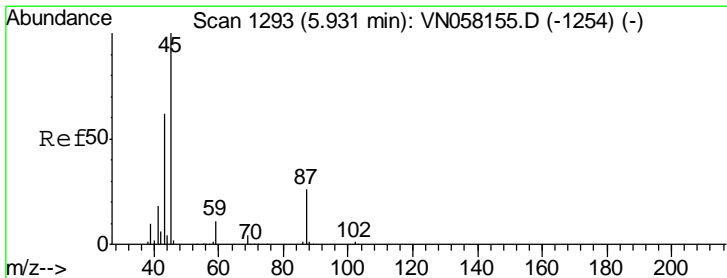
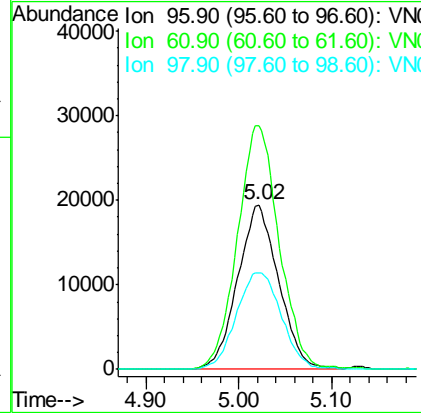
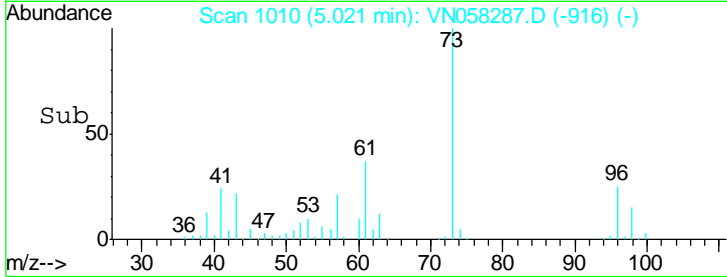
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01



Tgt Ion: 96 Resp: 59541

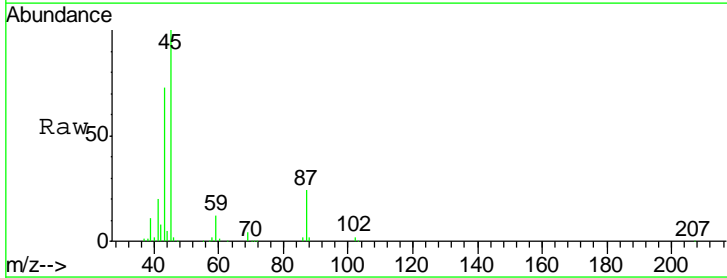
Ion	Ratio	Lower	Upper
96	100		
61	148.1	122.2	183.4
98	58.5	49.9	74.9

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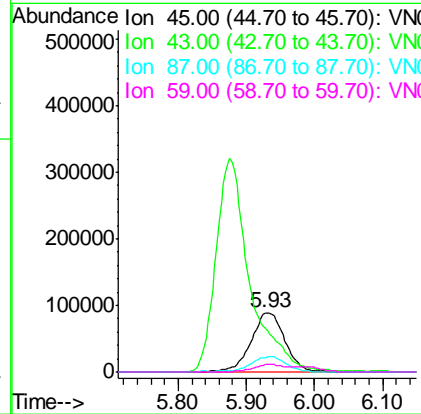
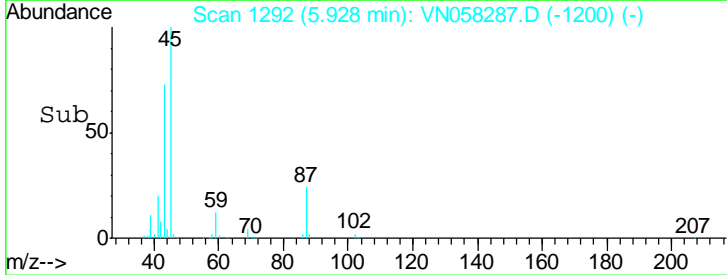
#22
 Diisopropyl ether
 Concen: 20.325 ug/l
 RT: 5.93 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

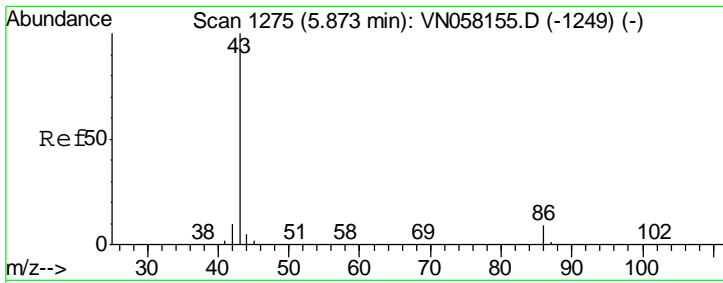
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Tgt Ion: 45 Resp: 305746

Ion	Ratio	Lower	Upper
45	100		
43	71.1	49.7	74.5
87	24.1	20.7	31.1
59	11.8	9.1	13.7





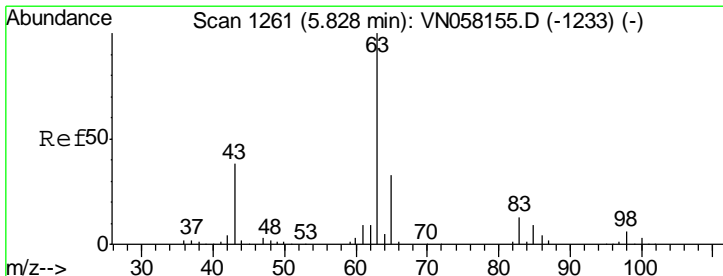
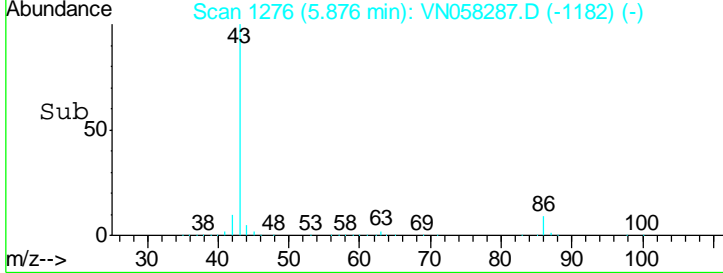
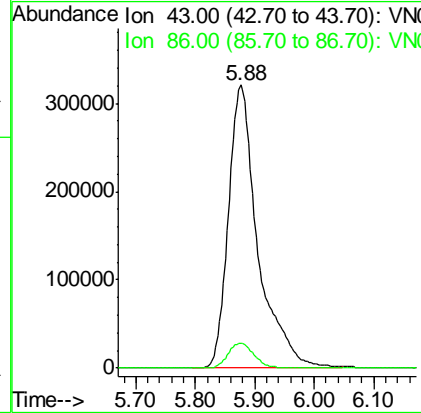
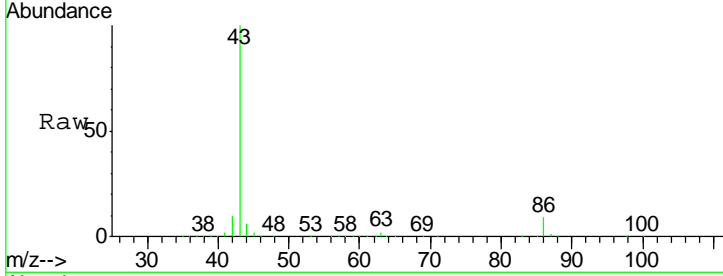
#23
 Vinyl Acetate
 Concen: 107.424 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion: 43 Resp: 1105720

Ion	Ratio	Lower	Upper
43	100		
86	8.9	7.4	11.2

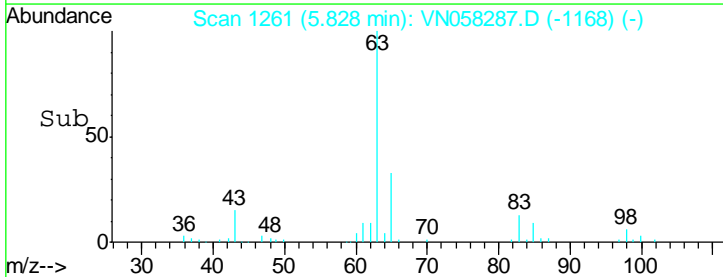
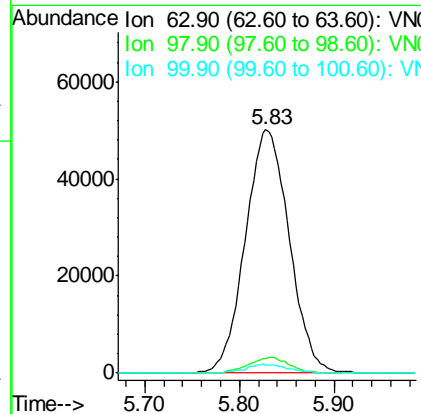
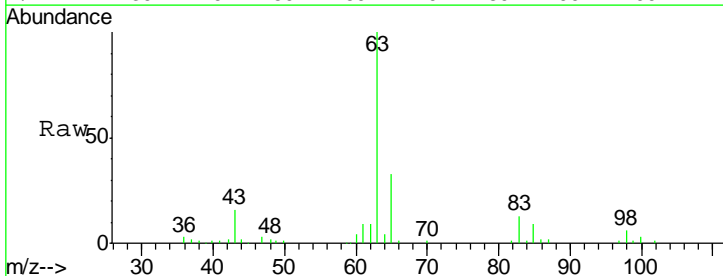
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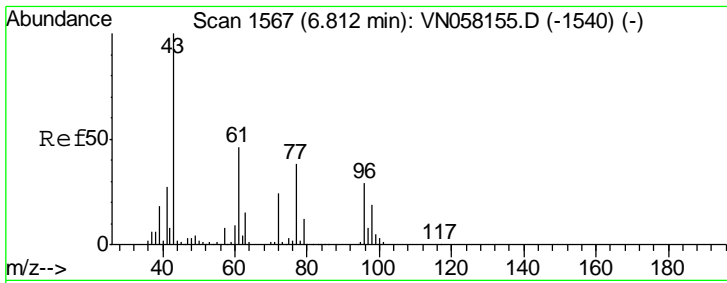


#24
 1,1-Dichloroethane
 Concen: 20.101 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 63 Resp: 161386

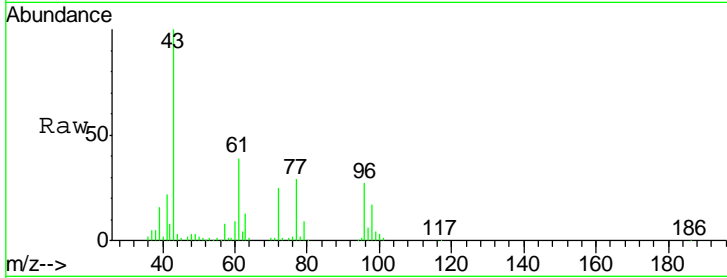
Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.9	8.6
100	3.5	1.8	5.3





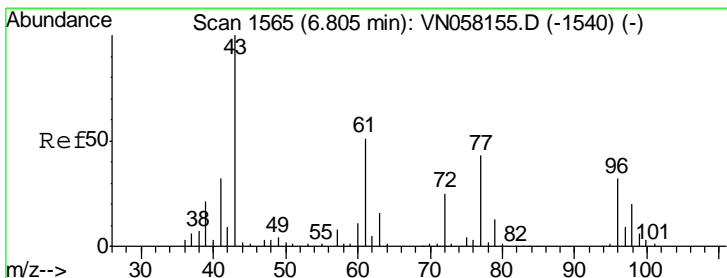
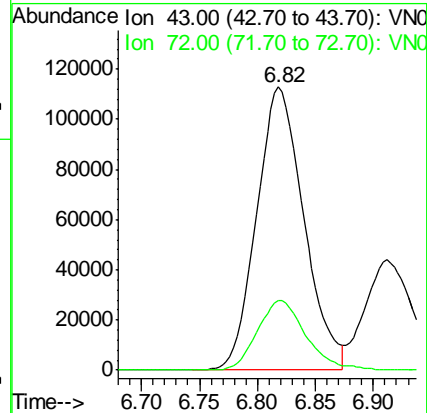
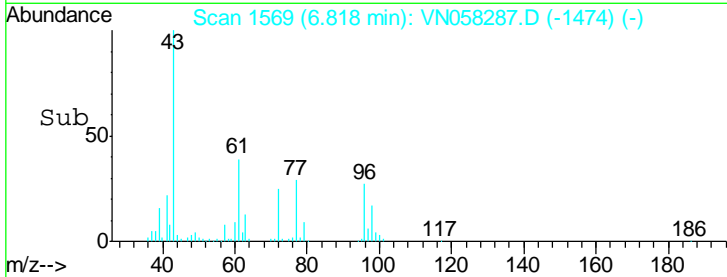
#25
 2-Butanone
 Concen: 110.235 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

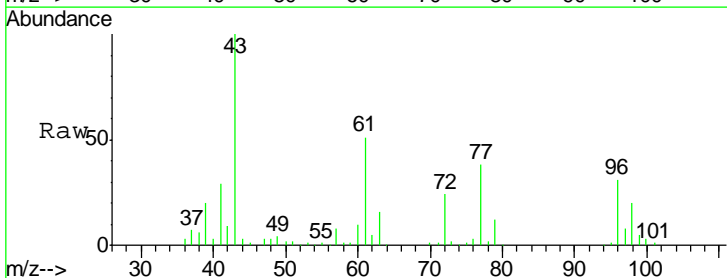


Tgt Ion: 43 Resp: 317844
 Ion Ratio Lower Upper
 43 100
 72 24.8 19.5 29.3

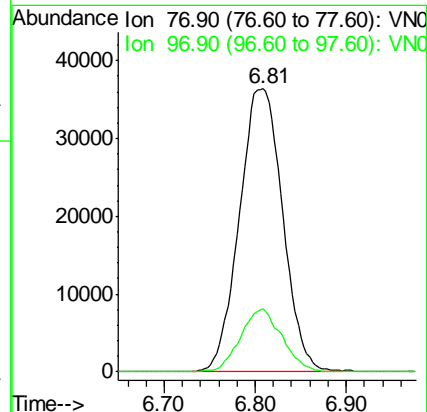
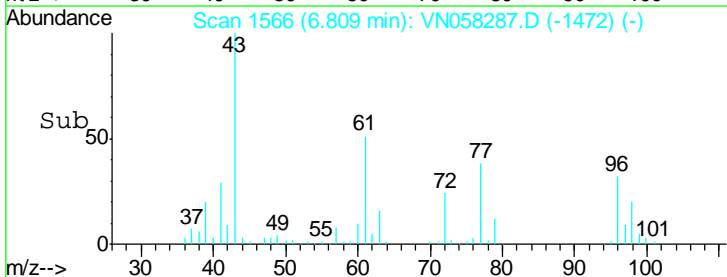
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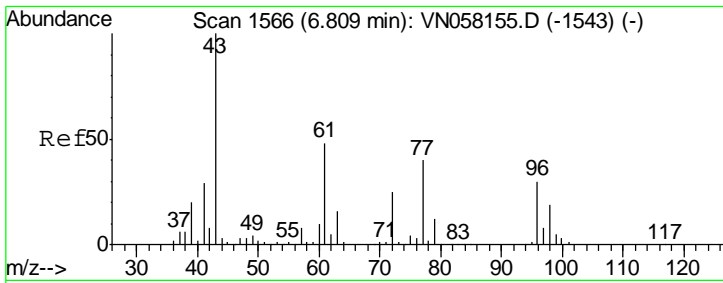


#26
 2,2-Dichloropropane
 Concen: 17.630 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18



Tgt Ion: 77 Resp: 120078
 Ion Ratio Lower Upper
 77 100
 97 21.3 10.5 31.6



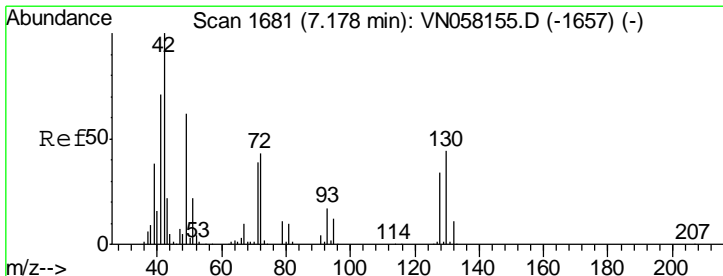
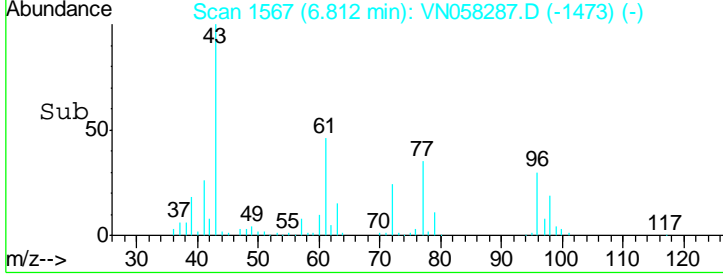
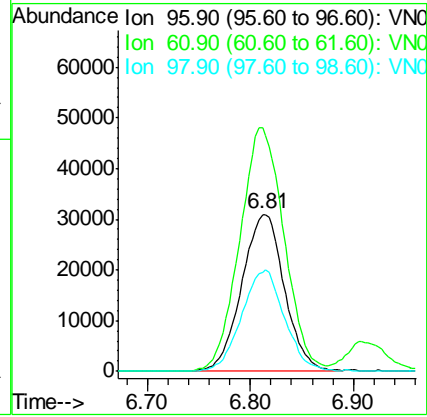
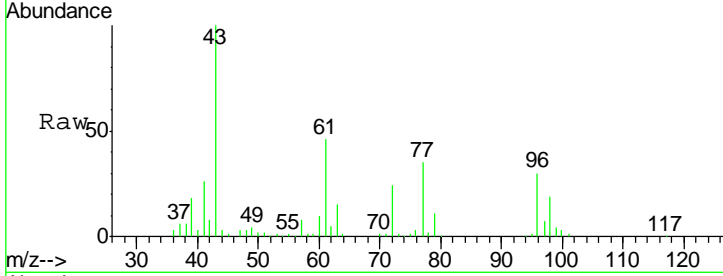


#27
 cis-1,2-Dichloroethene
 Concen: 19.607 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

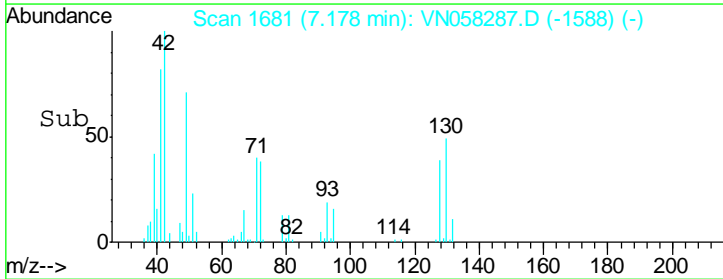
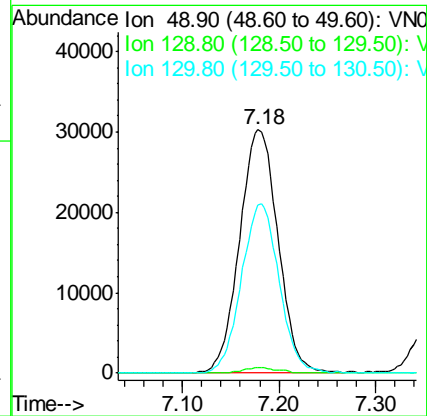
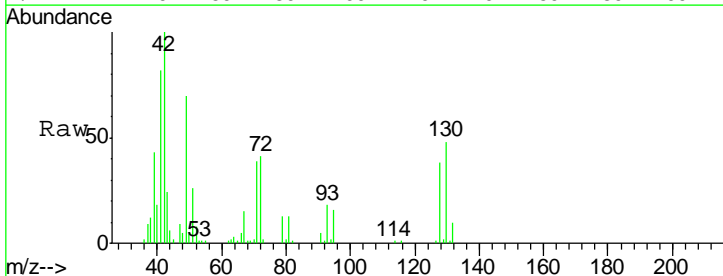
Tgt Ion	Resp	Lower	Upper
96	89008		
96	100		
61	161.2	0.0	319.0
98	64.7	0.0	126.6

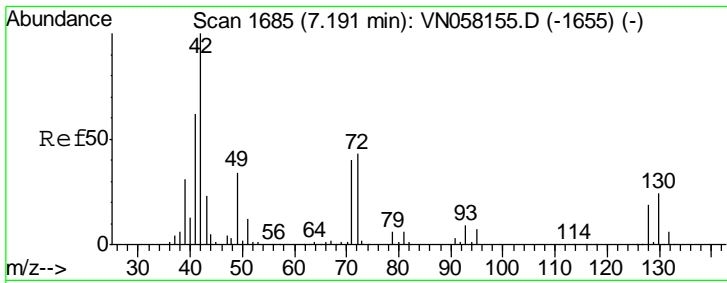
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#28
 Bromochloromethane
 Concen: 22.076 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
49	83845		
49	100		
129	1.9	0.0	1.8#
130	68.0	55.4	83.2





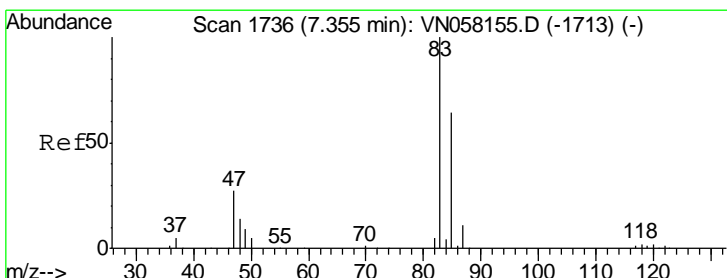
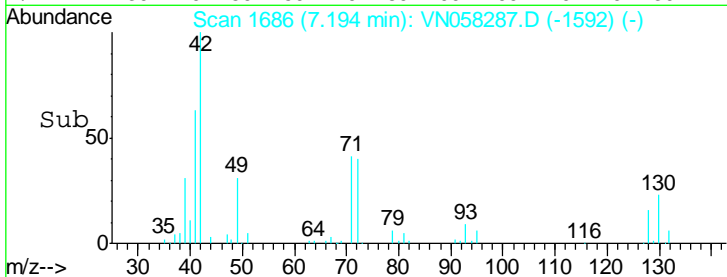
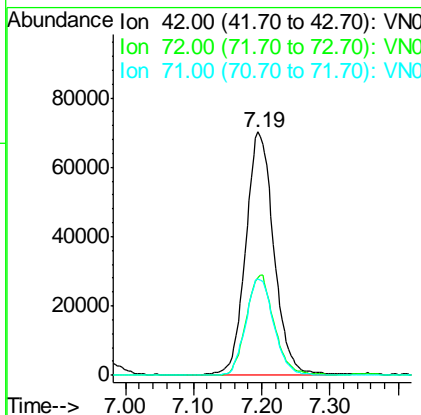
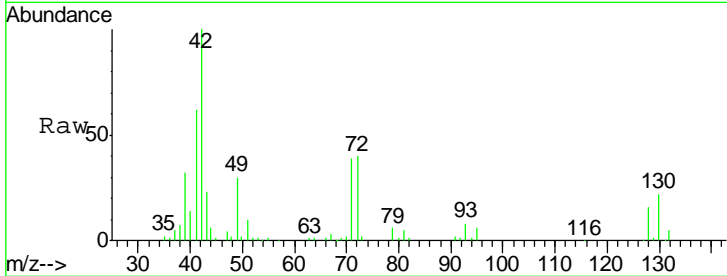
#29
 Tetrahydrofuran
 Concen: 113.600 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion	Resp	Lower	Upper
42	100		
72	40.7	33.8	50.6
71	39.4	31.4	47.0

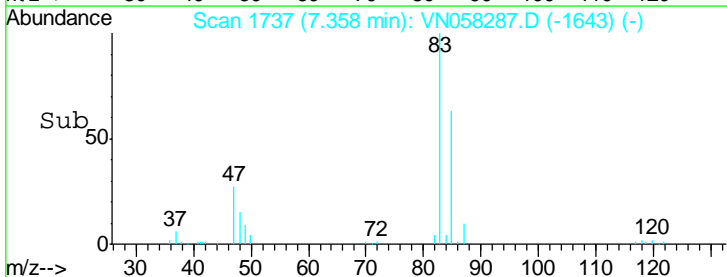
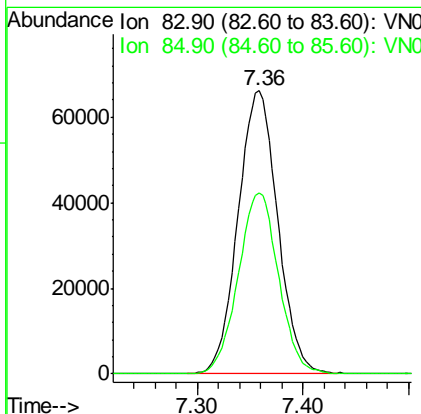
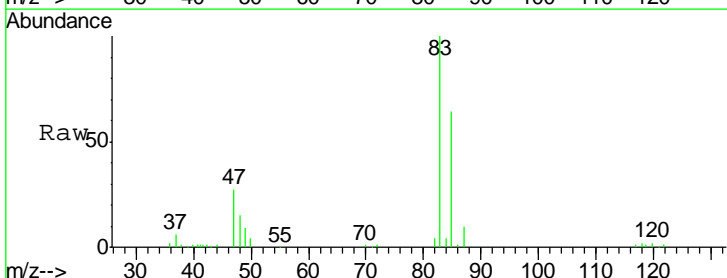
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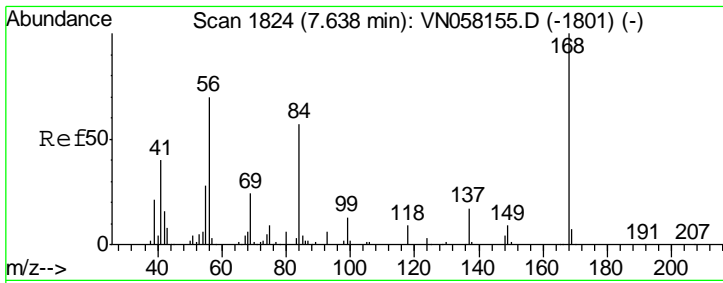
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#30
 Chloroform
 Concen: 20.058 ug/l
 RT: 7.36 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.7	51.4	77.2





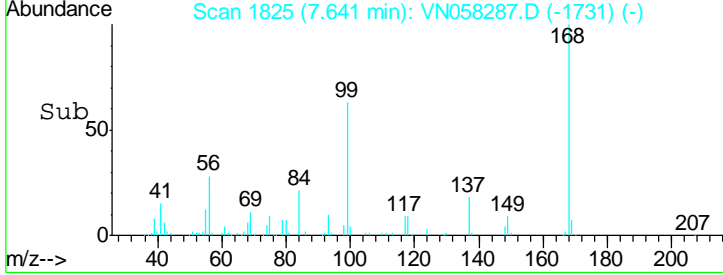
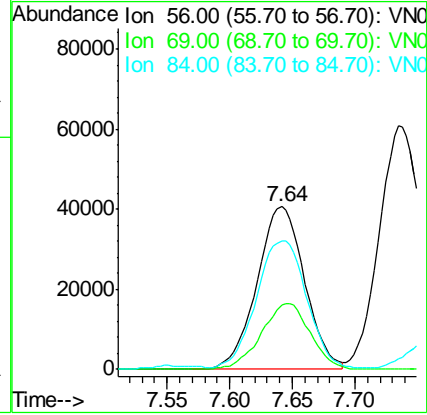
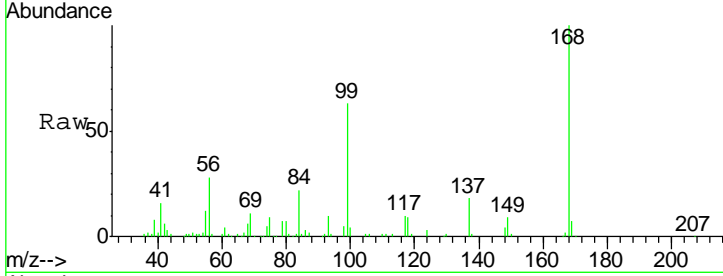
#31
 Cyclohexane
 Concen: 19.200 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion	Resp	Lower	Upper
56	107360		
56	100		
69	39.1	27.3	40.9
84	76.8	65.0	97.4

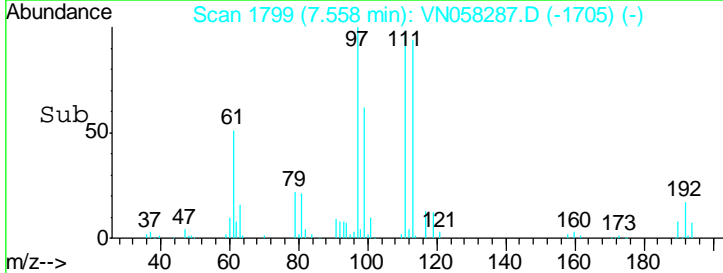
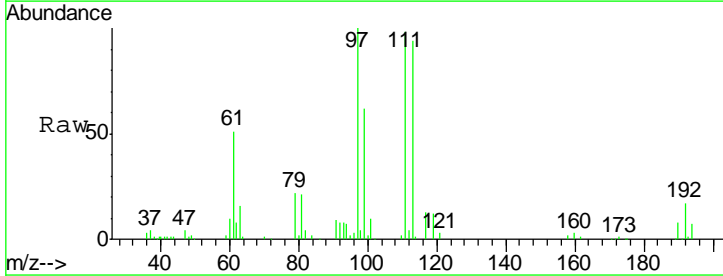
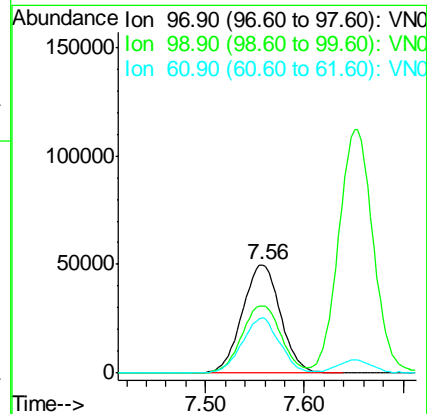
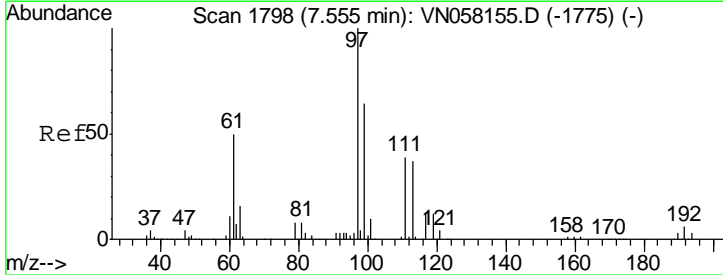
Manual Integrations
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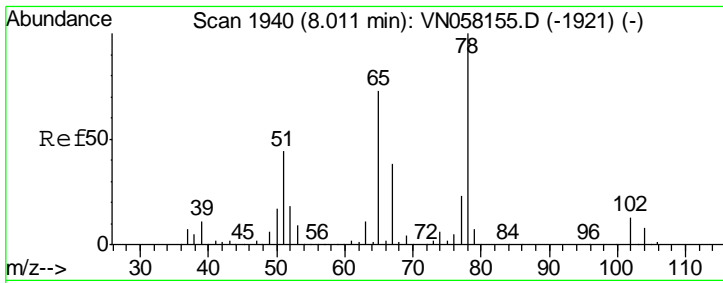
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#32
 1,1,1-Trichloroethane
 Concen: 20.363 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
97	133970		
97	100		
99	63.9	50.9	76.3
61	49.8	39.2	58.8



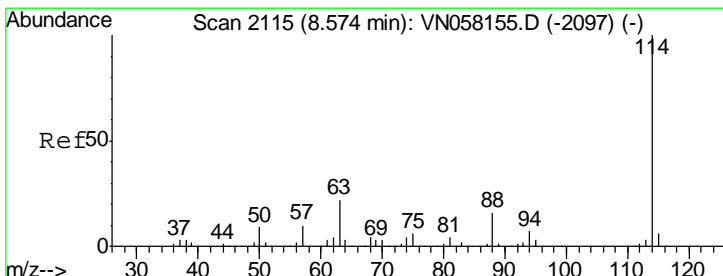
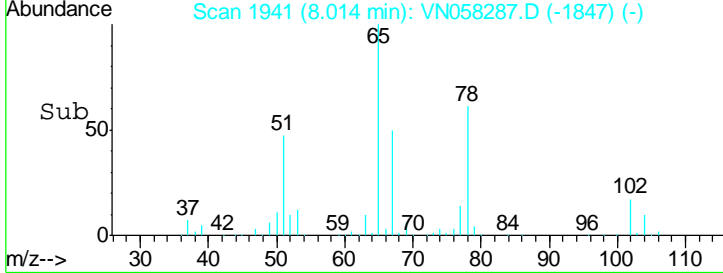
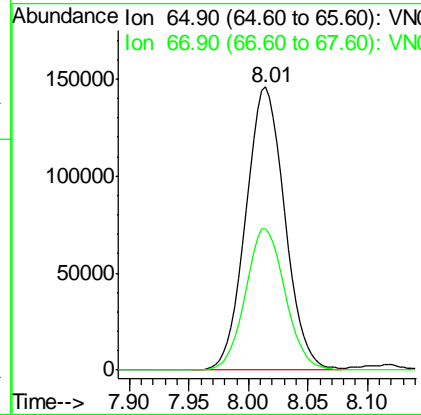
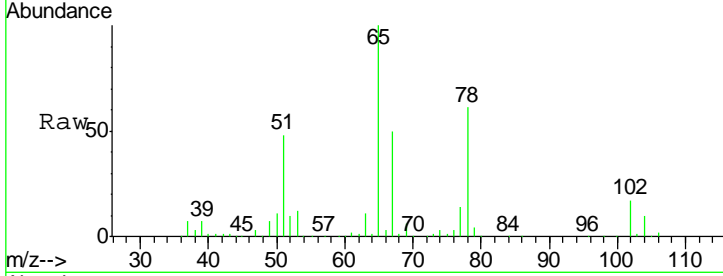


#33
 1,2-Dichloroethane-d4
 Concen: 53.235 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
65	100		
67	50.7	0.0	103.4

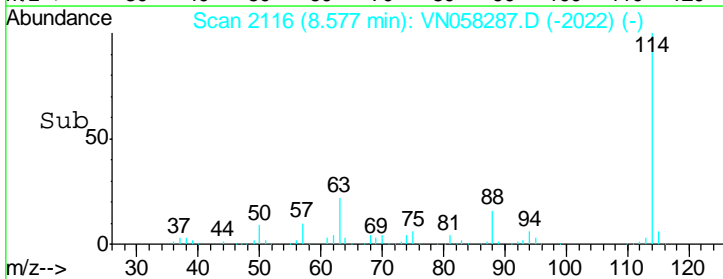
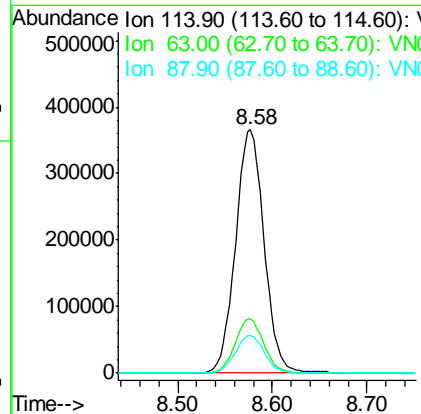
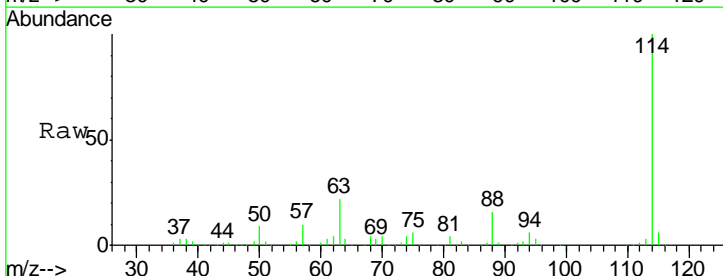
Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

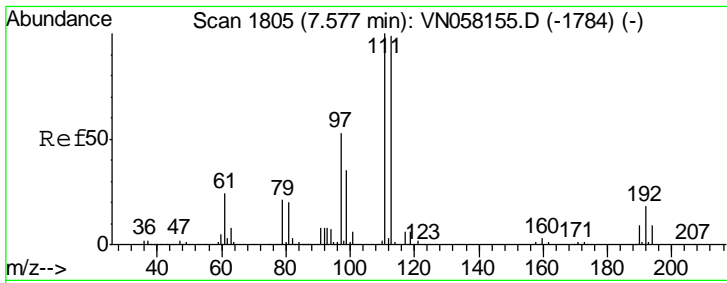
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

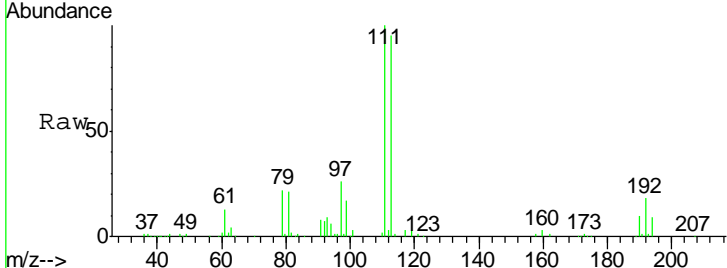
Tgt Ion	Resp	Lower	Upper
114	100		
63	22.4	0.0	44.2
88	15.6	0.0	31.6





#35
 Dibromofluoromethane
 Concen: 50.021 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

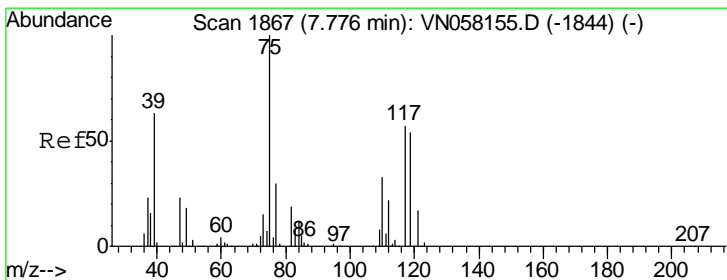
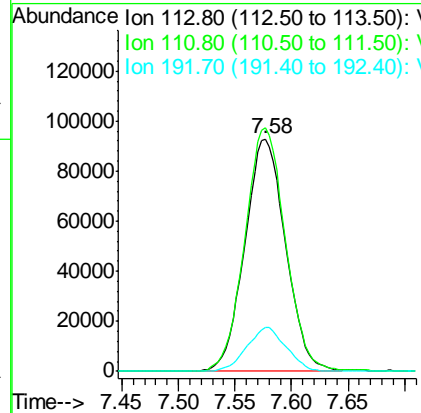
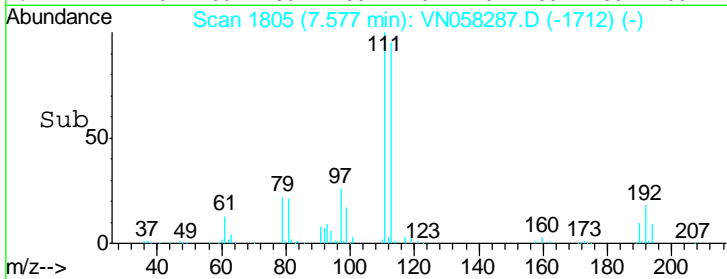
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01



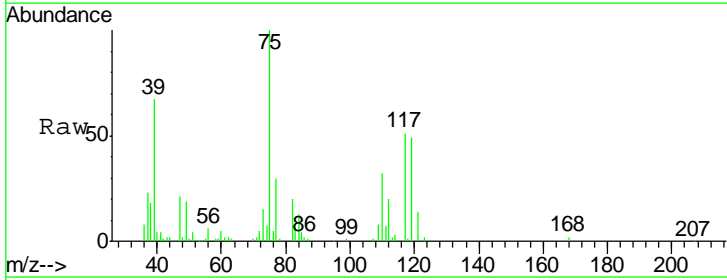
Tgt Ion: 113 Resp: 233101

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.8	122.6
192	18.3	14.5	21.7

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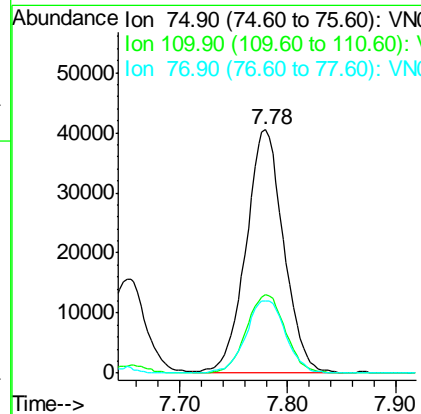
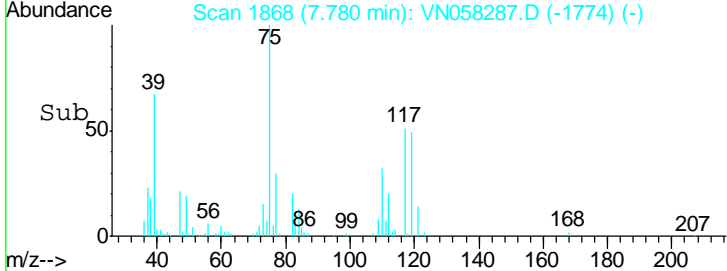


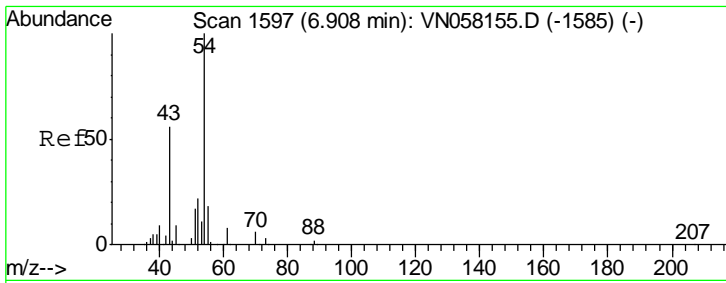
#36
 1,1-Dichloropropene
 Concen: 17.819 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18



Tgt Ion: 75 Resp: 98506

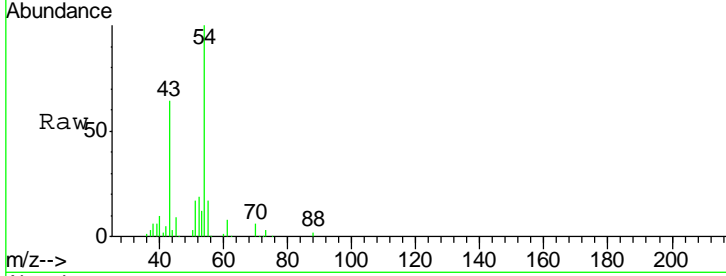
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.6	49.7
77	31.4	24.3	36.5





#37
 Ethyl Acetate
 Concen: 22.109 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

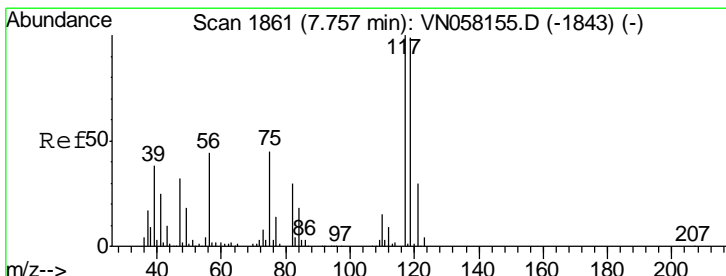
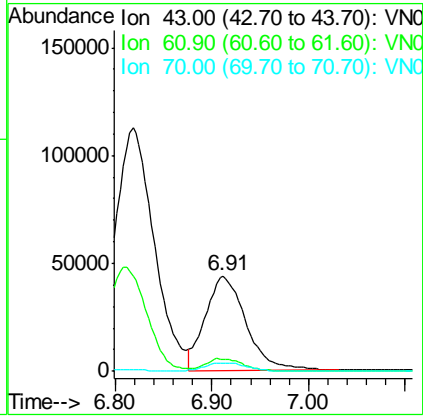
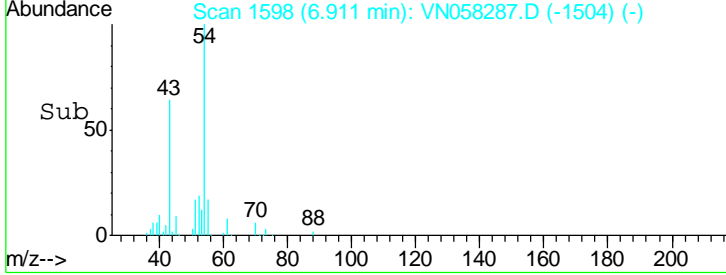
Instrument : MSVOA_N
 Client Sampled : VN0923MBS01



Tgt Ion: 43 Resp: 126838

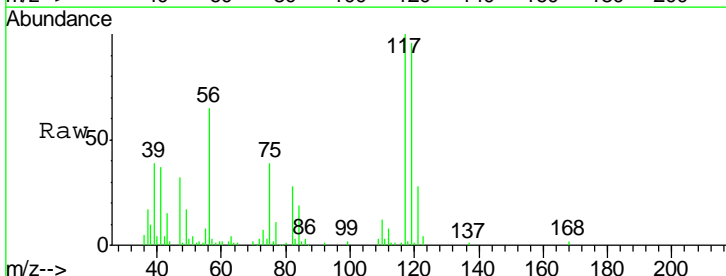
Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.7	16.1
70	9.6	7.6	11.4

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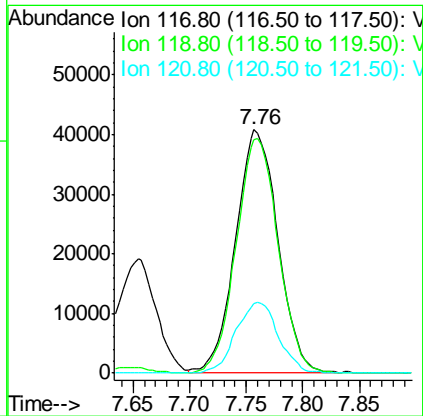
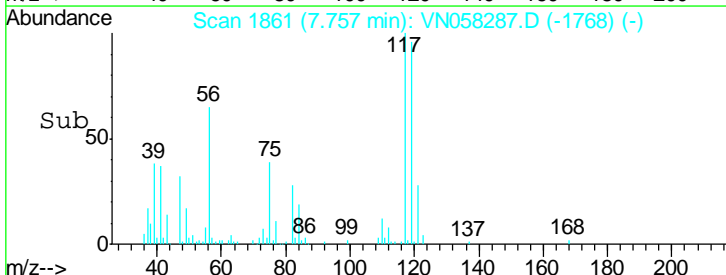
#38
 Carbon Tetrachloride
 Concen: 19.122 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

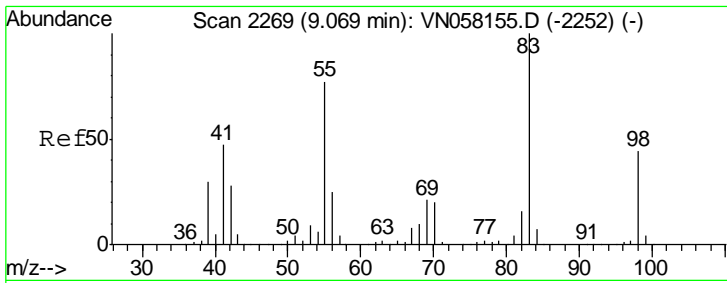
Instrument : MSVOA_N
 Client Sampled : VN0923MBS01



Tgt Ion: 117 Resp: 106261

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.6	117.8
121	28.4	24.1	36.1



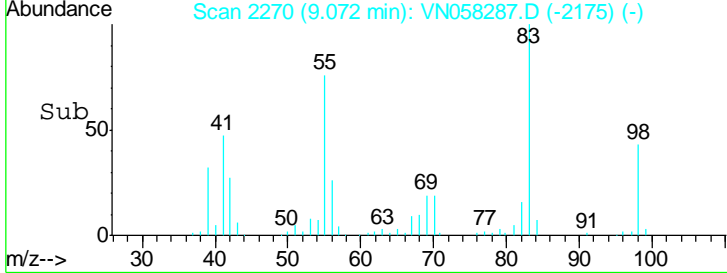
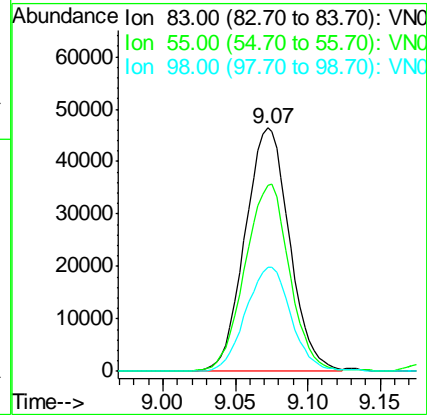
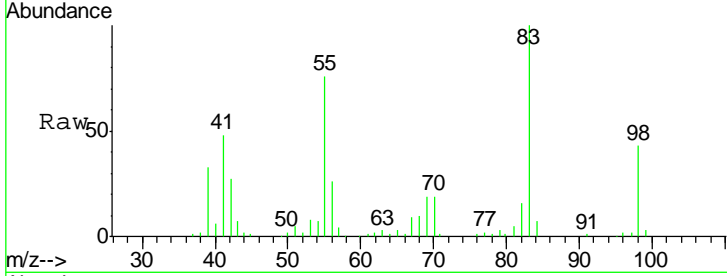


#39
 Methylcyclohexane
 Concen: 18.549 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

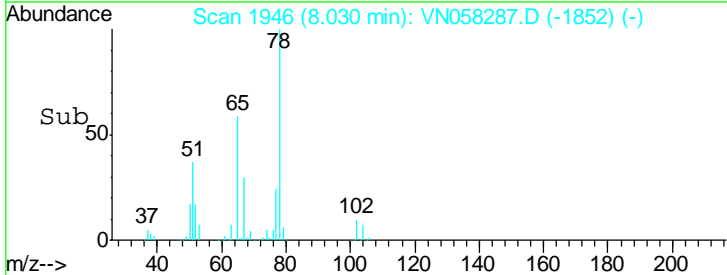
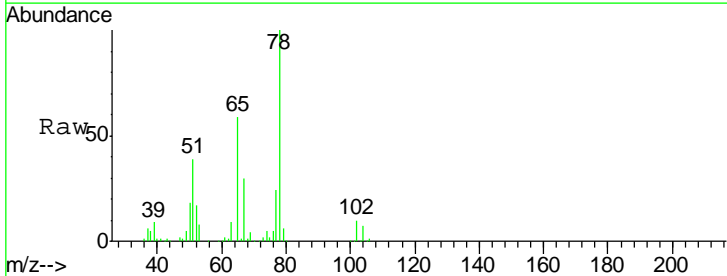
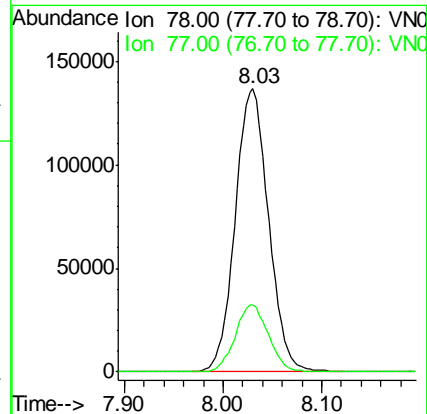
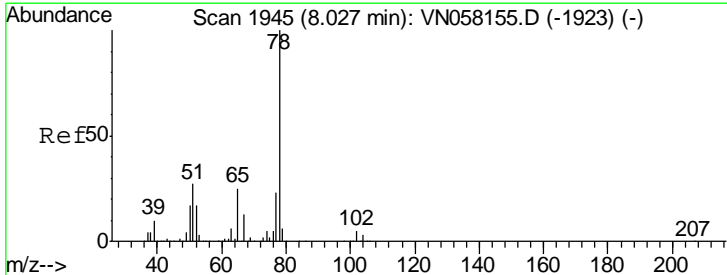
Tgt Ion	Resp	Lower	Upper
83	100		
55	76.4	61.9	92.9
98	42.6	35.4	53.2

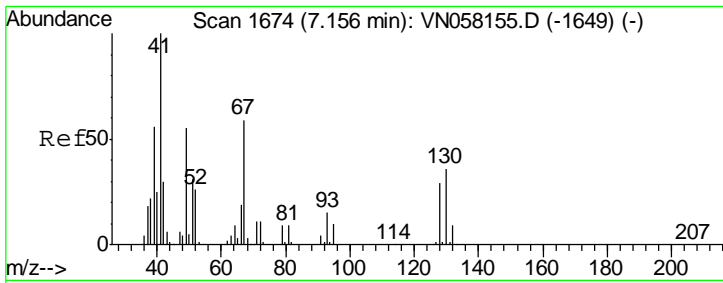
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#40
 Benzene
 Concen: 19.038 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.8	18.8	28.2





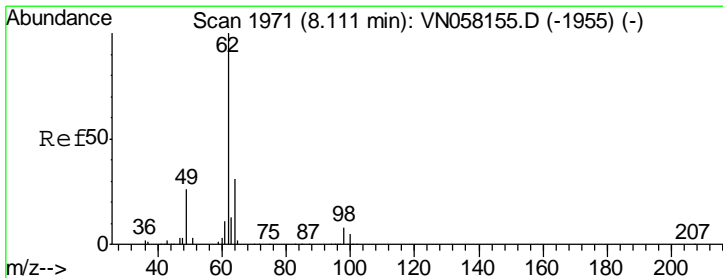
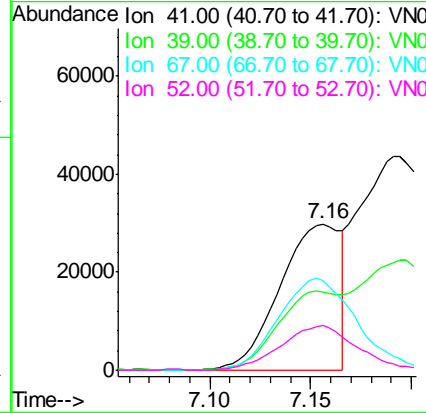
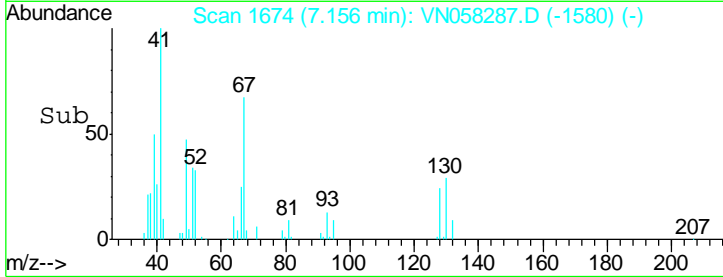
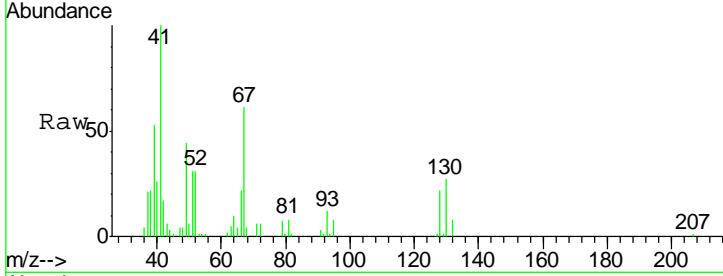
#41
 Methacrylonitrile
 Concen: 22.194 ug/l
 RT: 7.16 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion	Resp	Lower	Upper
41	100		
39	50.8	0.0	0.0#
67	80.3	0.0	0.0#
52	38.7	0.0	0.0#

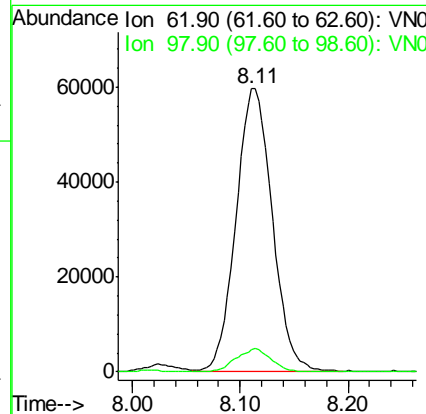
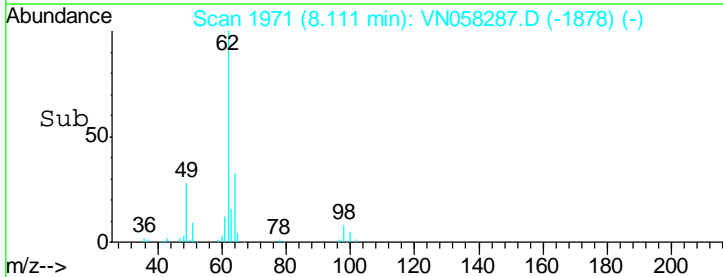
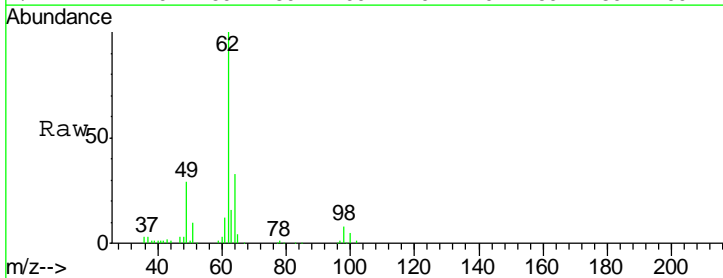
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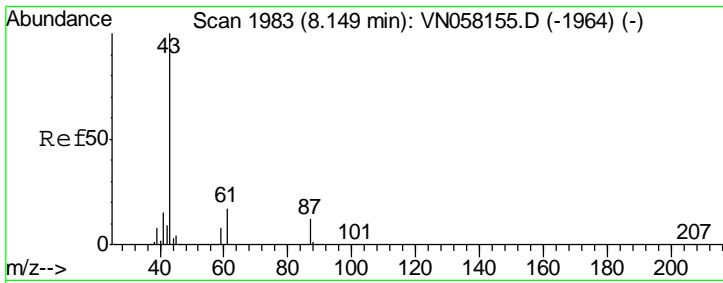
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#42
 1,2-Dichloroethane
 Concen: 19.639 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
62	100		
98	7.9	0.0	15.6





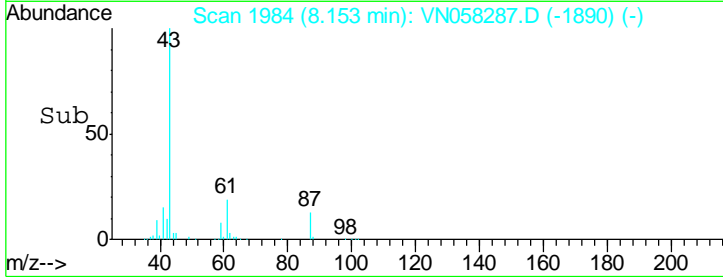
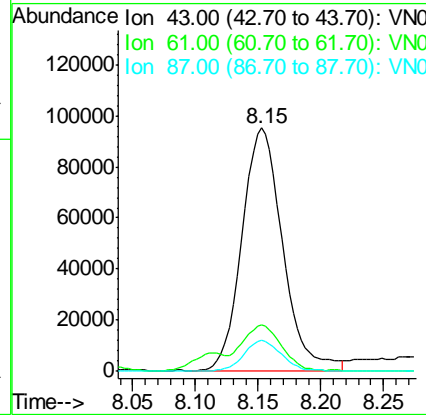
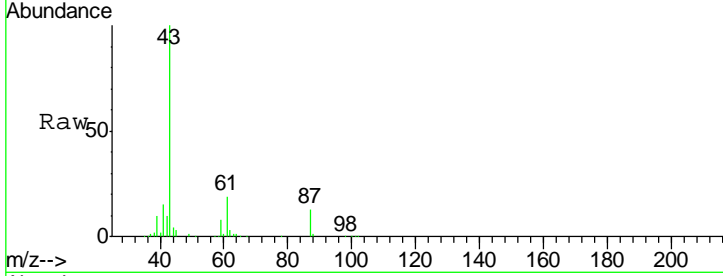
#43
 Isopropyl Acetate
 Concen: 19.944 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion	Resp	Lower	Upper
43	100		
61	17.8	19.7	29.5#
87	12.0	9.4	14.2

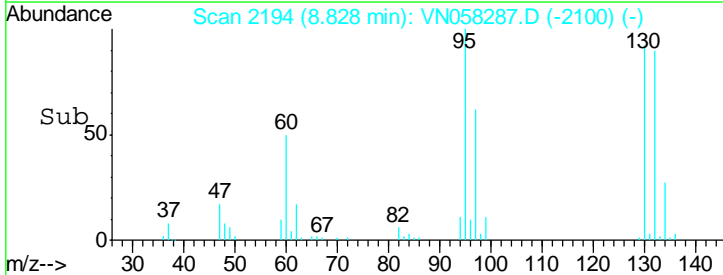
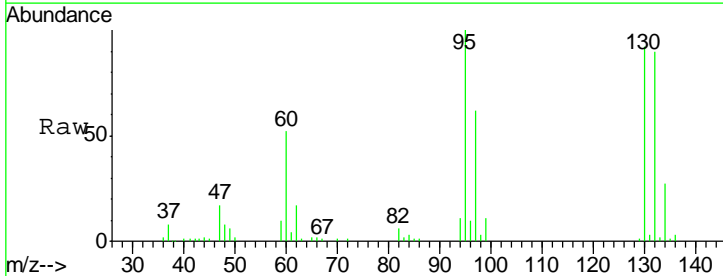
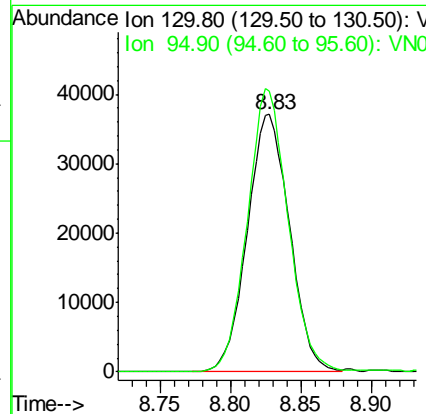
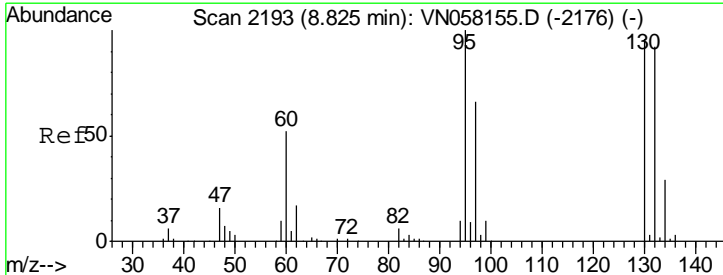
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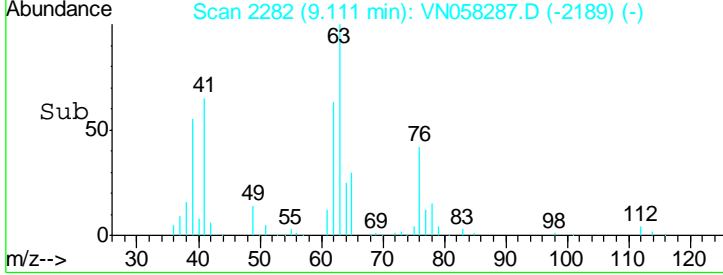
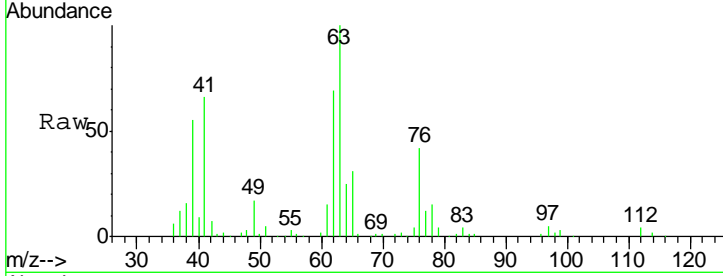
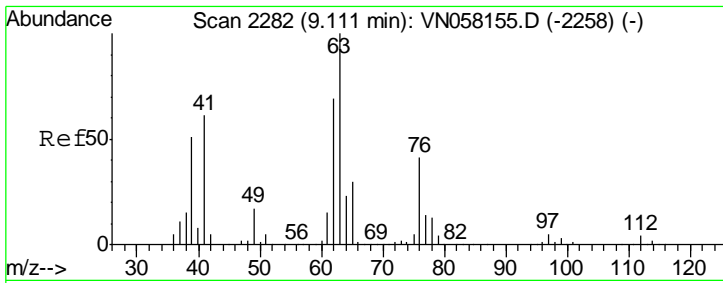
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#44
 Trichloroethene
 Concen: 18.812 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
130	100		
95	109.1	0.0	207.8





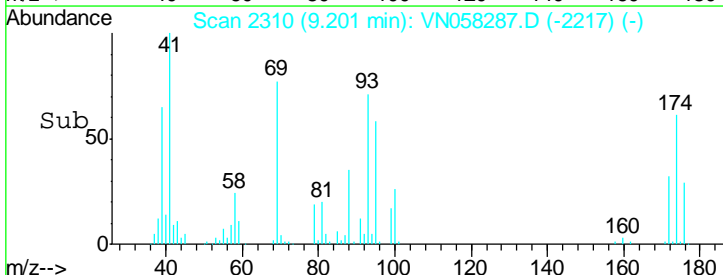
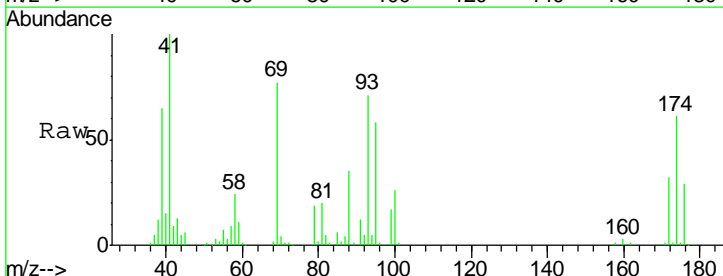
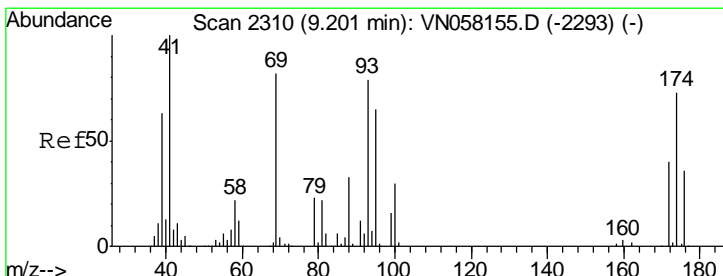
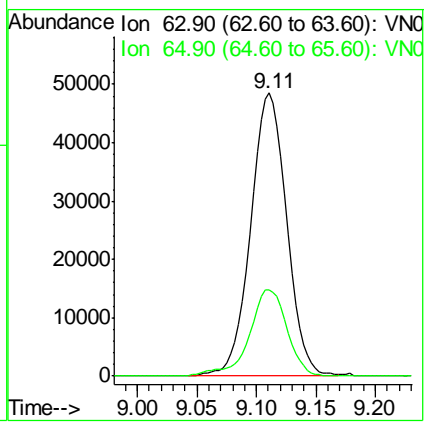
#45
 1,2-Dichloropropane
 Concen: 20.181 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 63 Resp: 101761

Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.8	35.6

Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

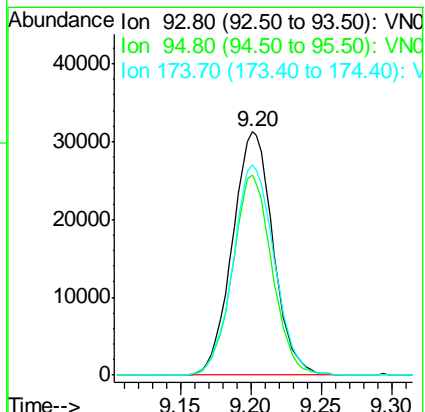
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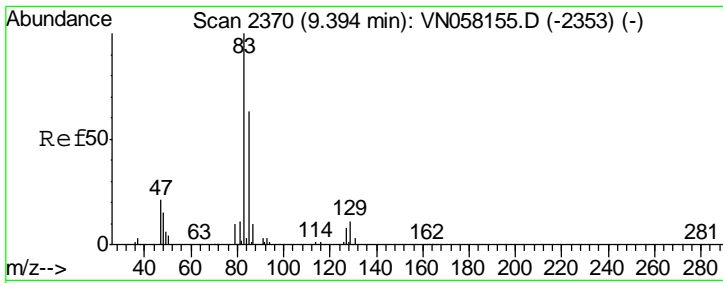


#46
 Dibromomethane
 Concen: 20.534 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 93 Resp: 62950

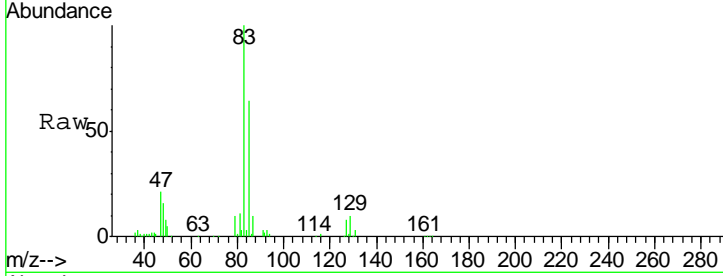
Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.8	100.2
174	87.8	73.8	110.8





#47
 Bromodichloromethane
 Concen: 20.285 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

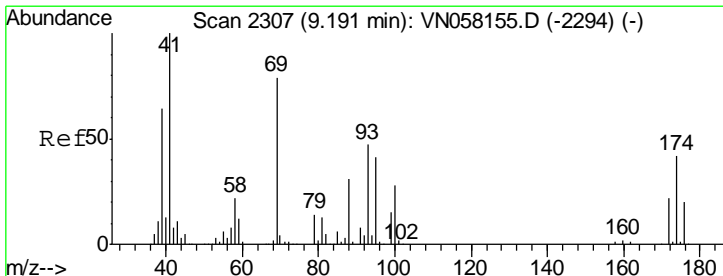
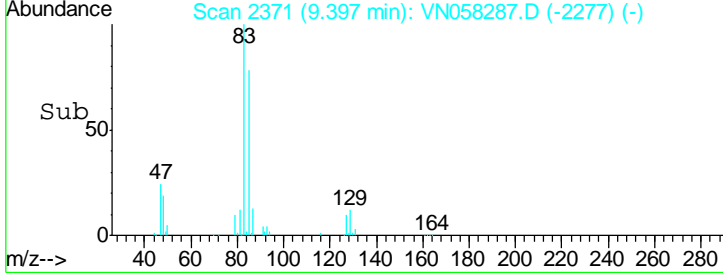
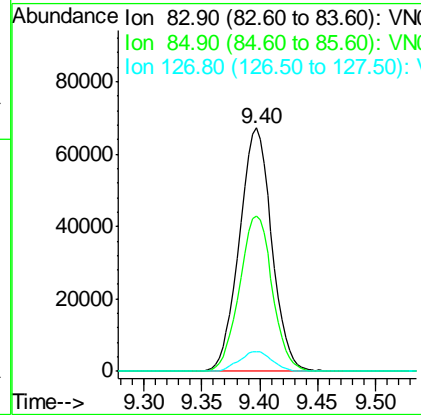
Instrument : MSVOA_N
 ClientSampled : VN0923MBS01



Tgt Ion: 83 Resp: 130277

Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.1	75.1
127	8.2	6.4	9.6

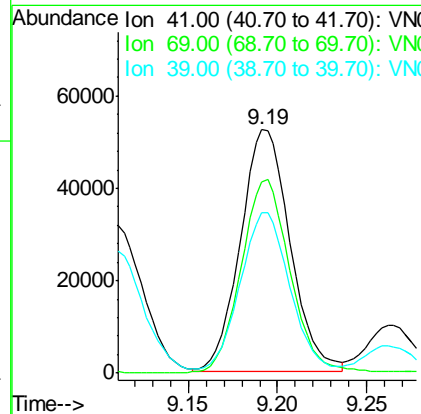
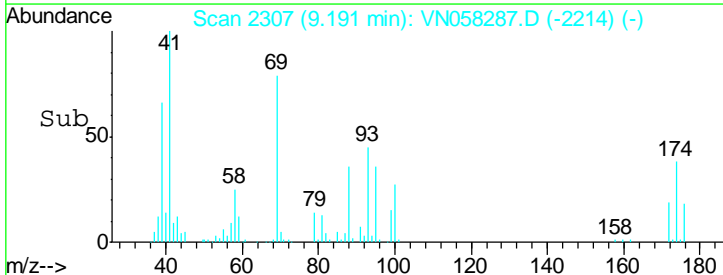
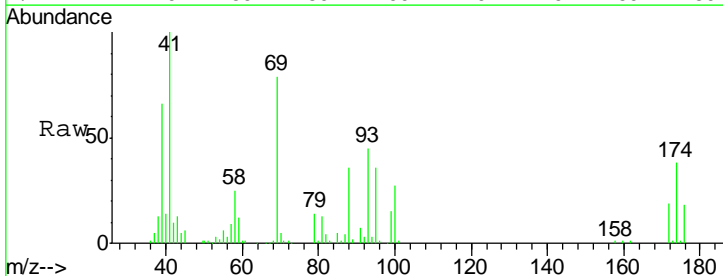
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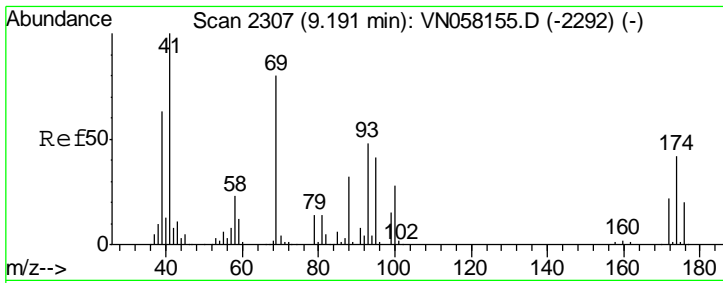


#48
 Methyl methacrylate
 Concen: 20.970 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

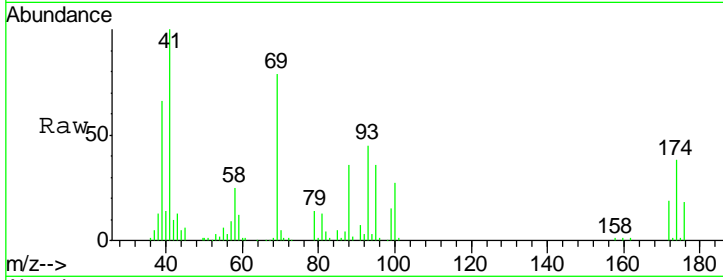
Tgt Ion: 41 Resp: 102012

Ion	Ratio	Lower	Upper
41	100		
69	79.0	62.5	93.7
39	66.4	52.3	78.5





#49
 1,4-Dioxane
 Concen: 477.330 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

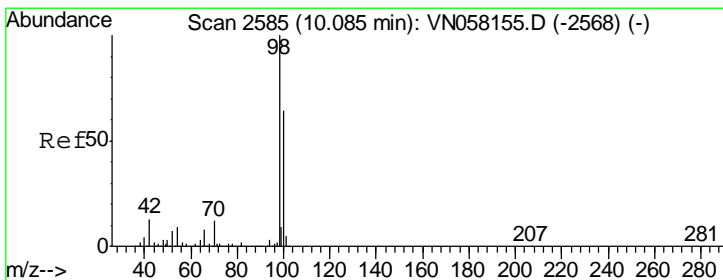
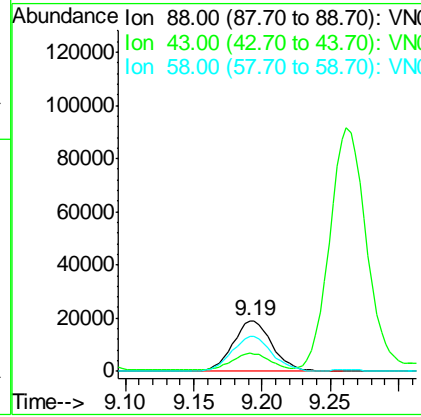
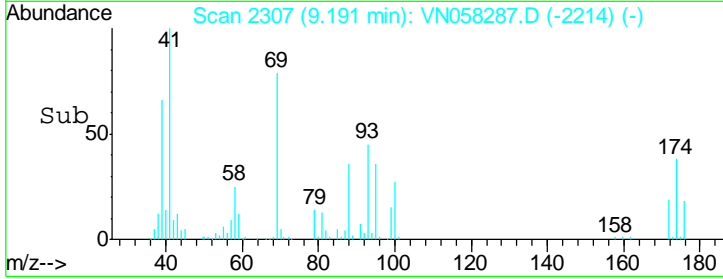


Tgt Ion: 88 Resp: 38124

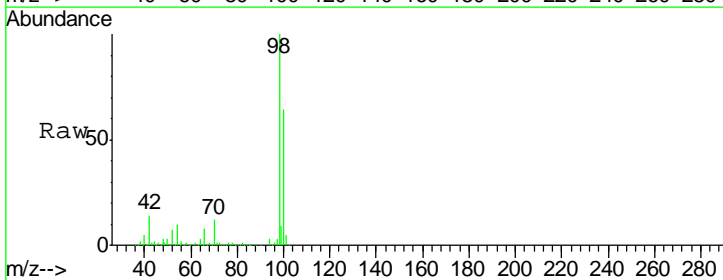
Ion	Ratio	Lower	Upper
88	100		
43	33.3	27.8	41.8
58	70.7	55.0	82.4

Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

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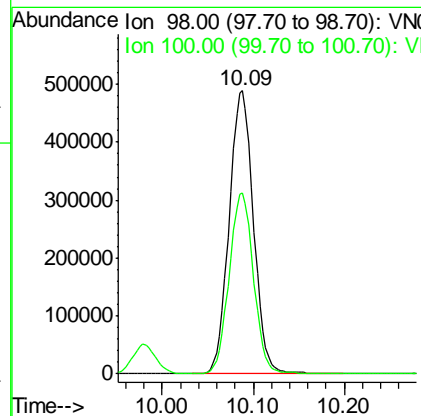
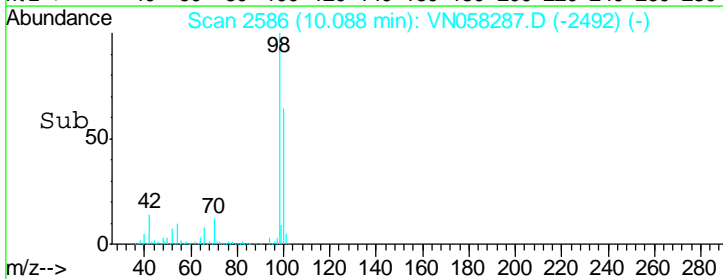


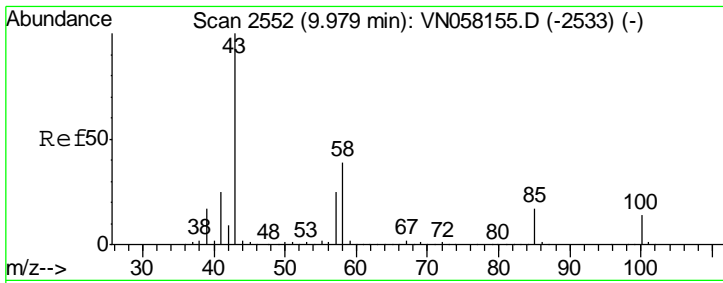
#50
 Toluene-d8
 Concen: 50.061 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18



Tgt Ion: 98 Resp: 908922

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





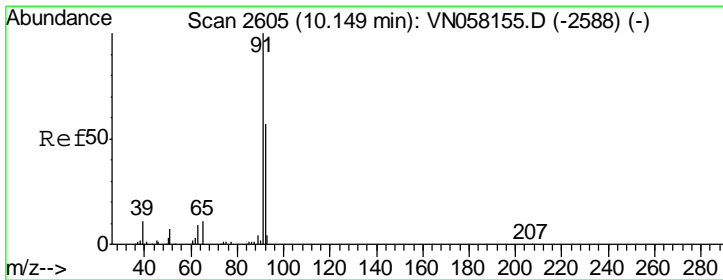
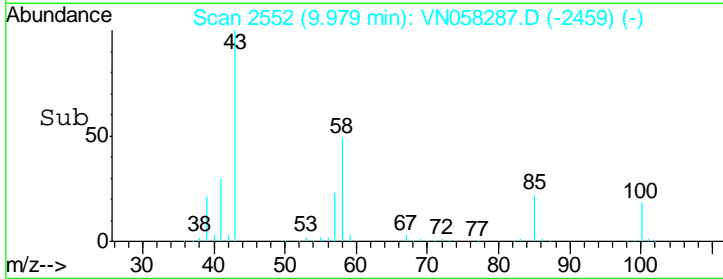
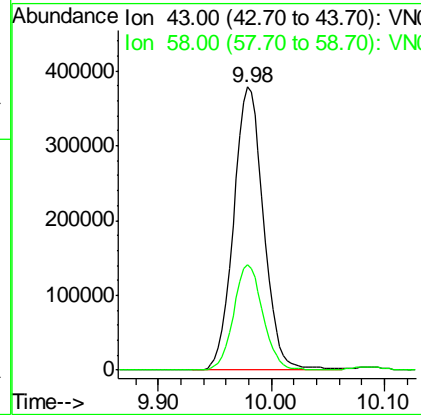
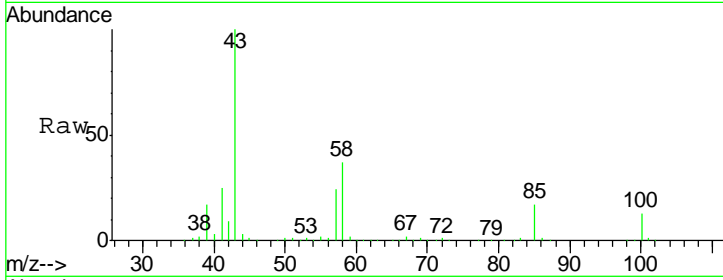
#51
 4-Methyl-2-Pentanone
 Concen: 122.390 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

Tgt Ion	Resp	Lower	Upper
43	100		
58	36.7	30.2	45.4

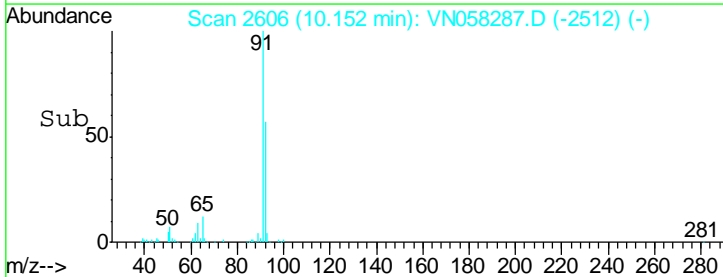
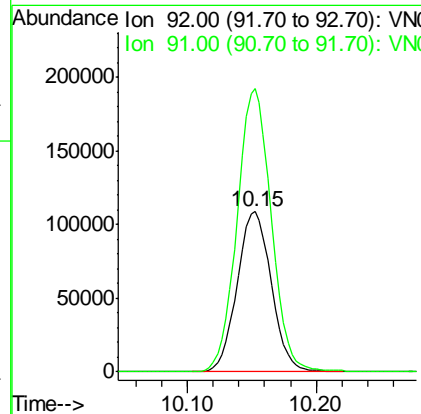
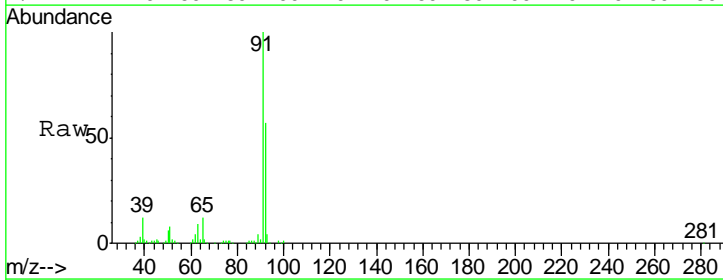
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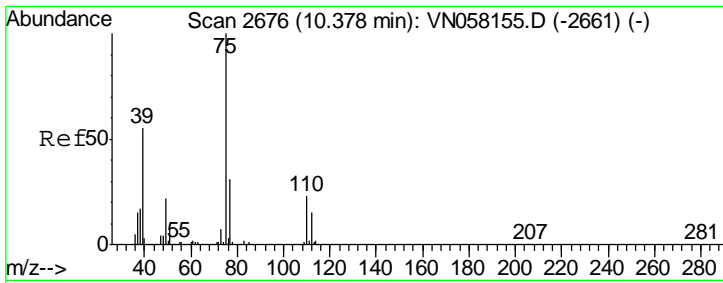
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#52
 Toluene
 Concen: 19.020 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
92	100		
91	176.1	140.2	210.2



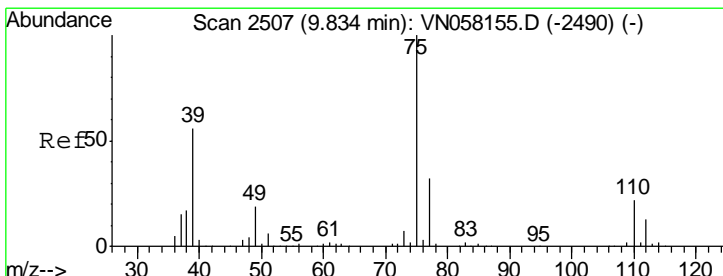
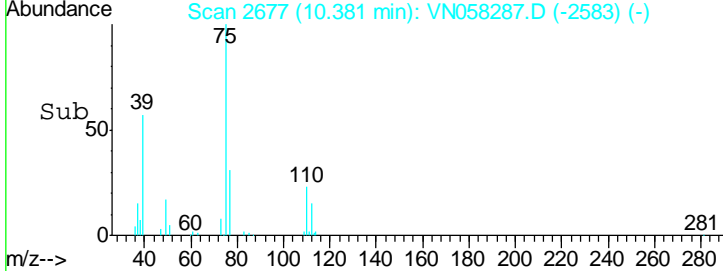
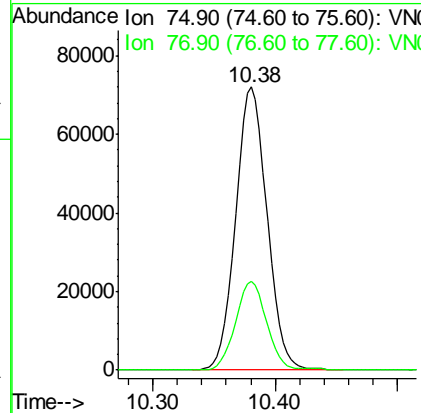
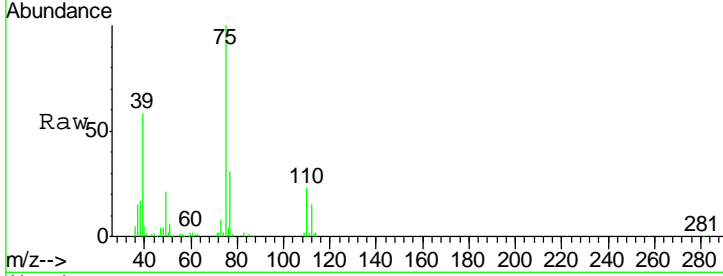


#53
 t-1,3-Dichloropropene
 Concen: 19.514 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

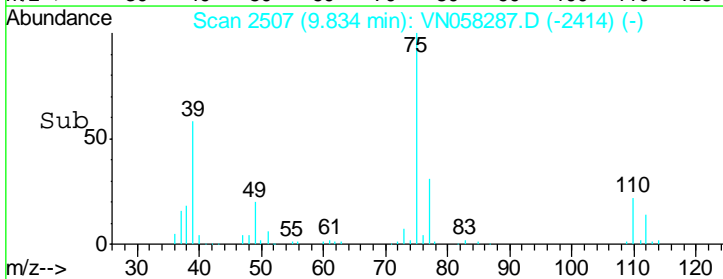
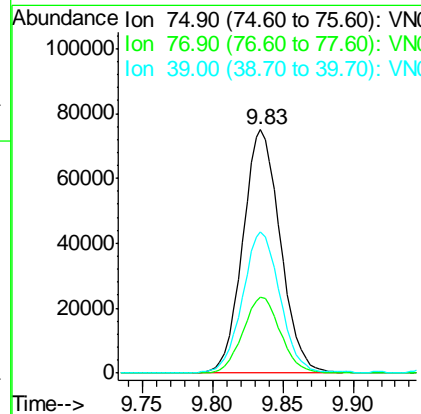
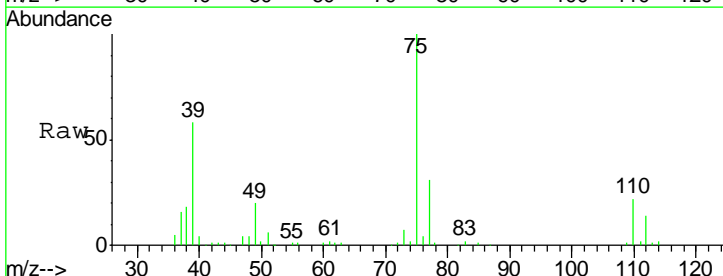
Tgt Ion	Resp	Lower	Upper
75	100		
77	31.3	24.9	37.3

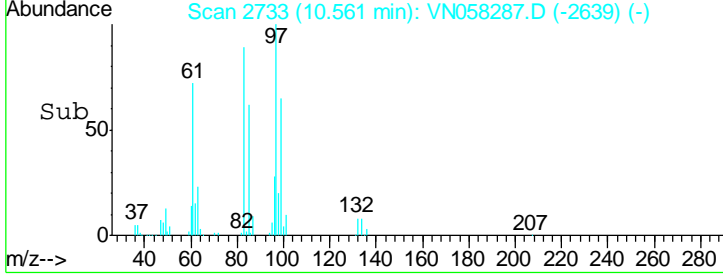
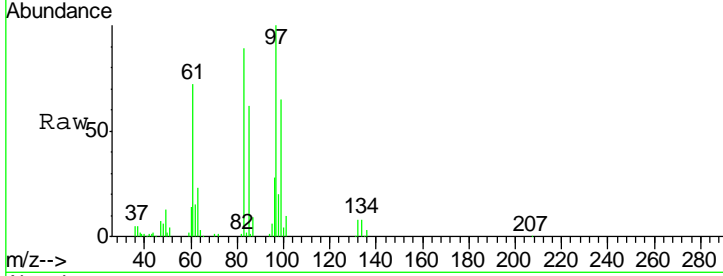
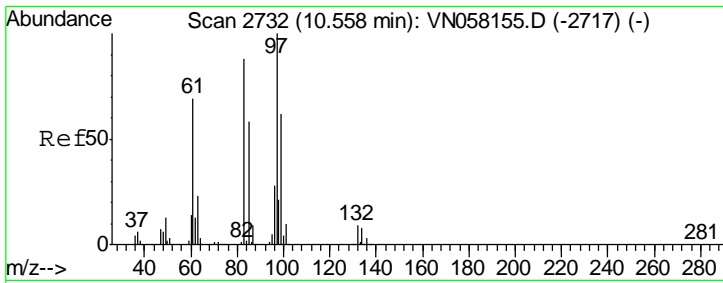
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#54
 cis-1,3-Dichloropropene
 Concen: 19.214 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	57.4	45.0	67.6



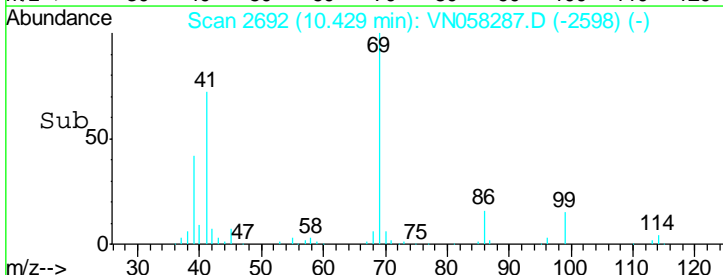
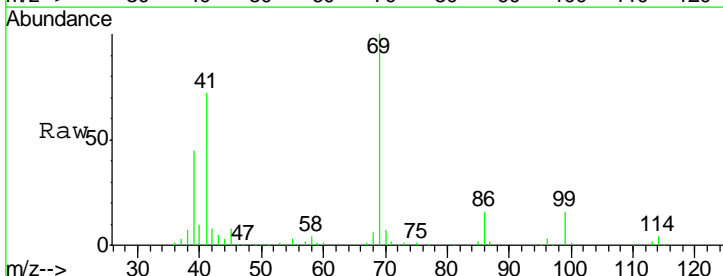
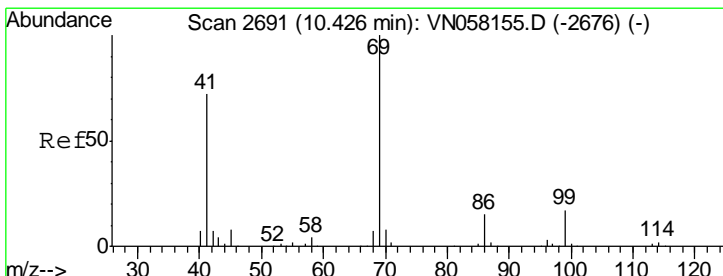
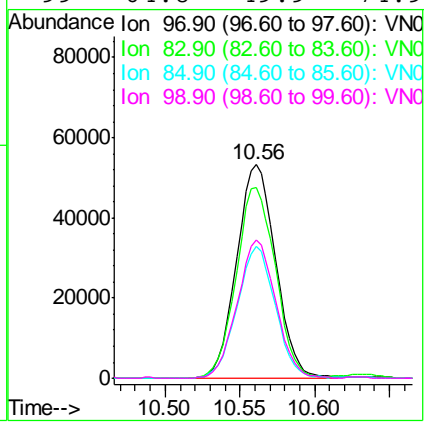


#55
 1,1,2-Trichloroethane
 Concen: 20.611 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
97	100		
83	89.4	70.4	105.6
85	61.5	46.8	70.2
99	64.8	49.9	74.9

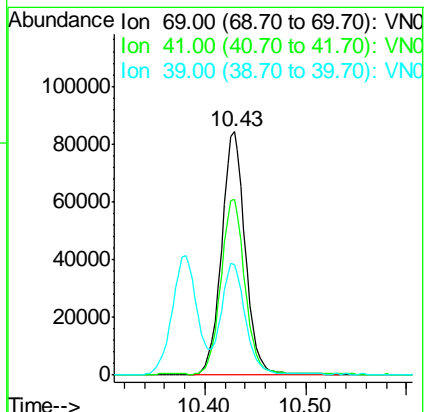
Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

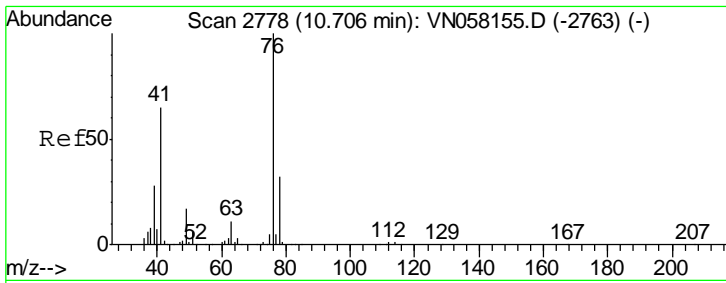
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#56
 Ethyl methacrylate
 Concen: 20.472 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
69	100		
41	72.5	57.5	86.3
39	46.3	36.1	54.1



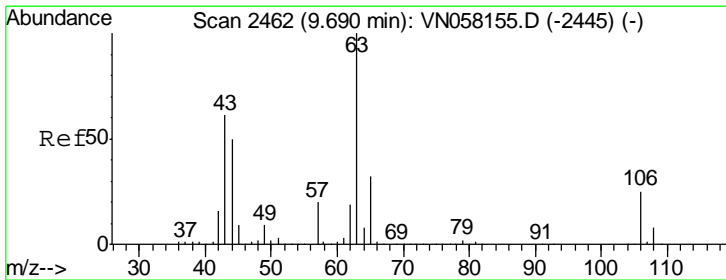
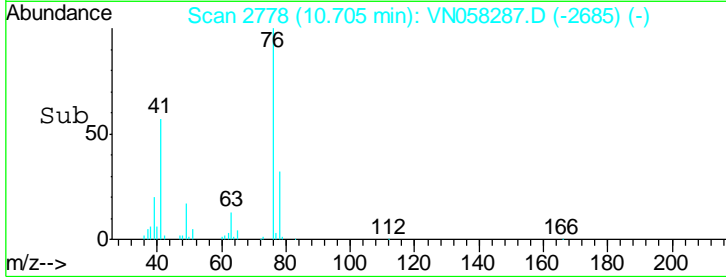
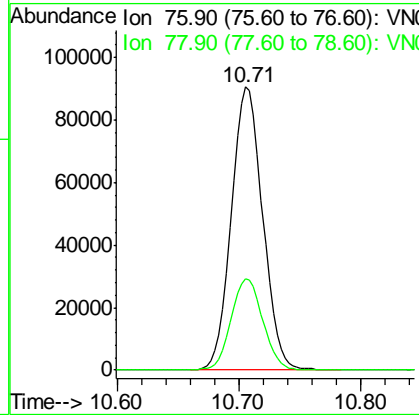
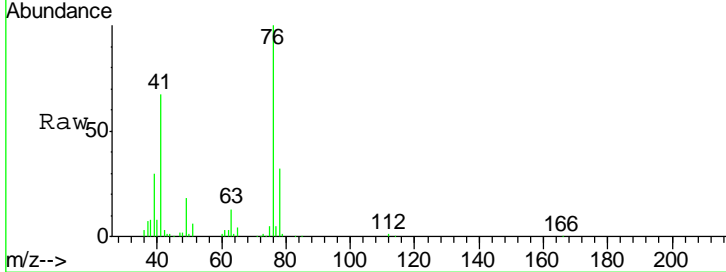


#57
 1,3-Dichloropropane
 Concen: 20.106 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

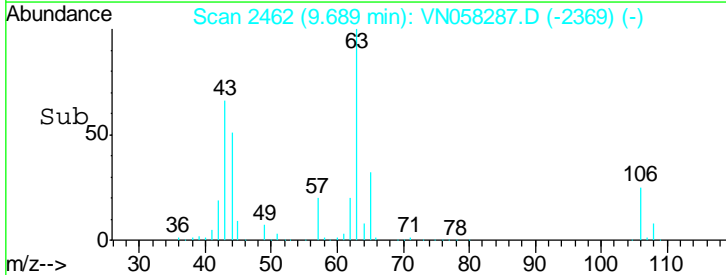
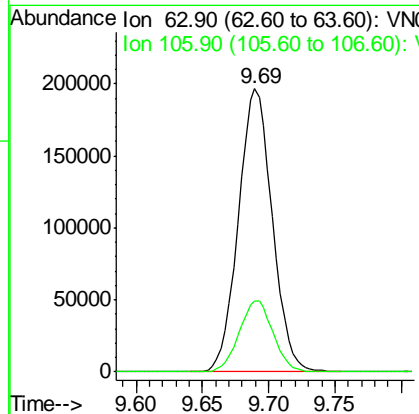
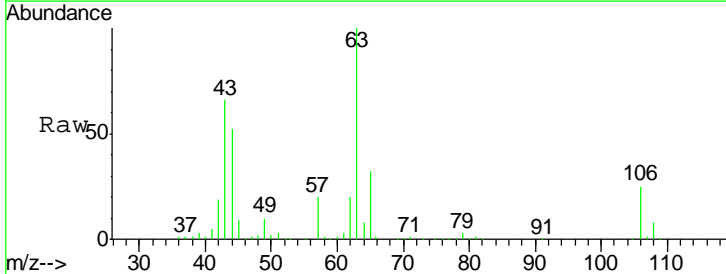
Tgt Ion	Resp	Lower	Upper
76	162309		
76	100		
78	32.7	25.4	38.0

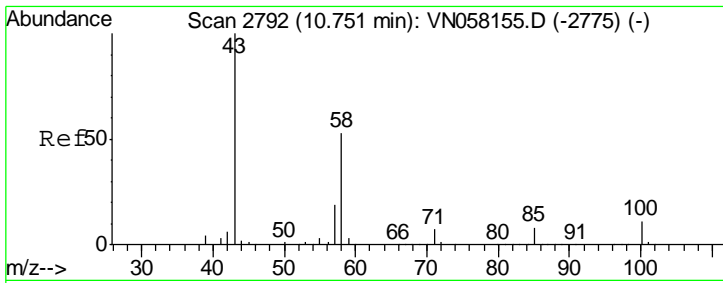
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#58
 2-Chloroethyl Vinyl ether
 Concen: 108.131 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
63	348968		
63	100		
106	25.2	19.9	29.9



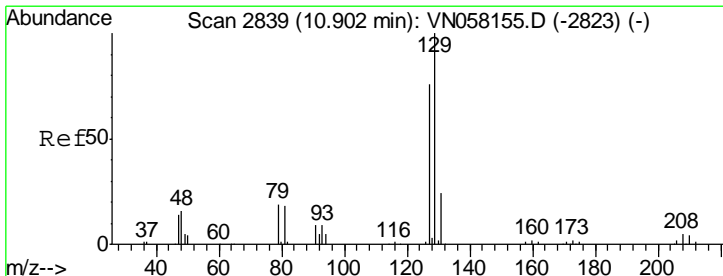
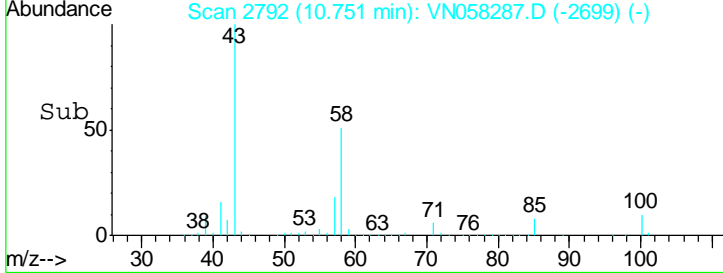
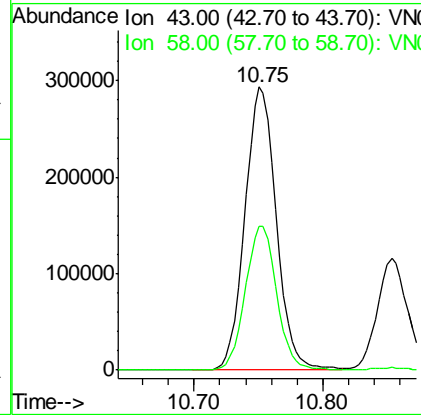
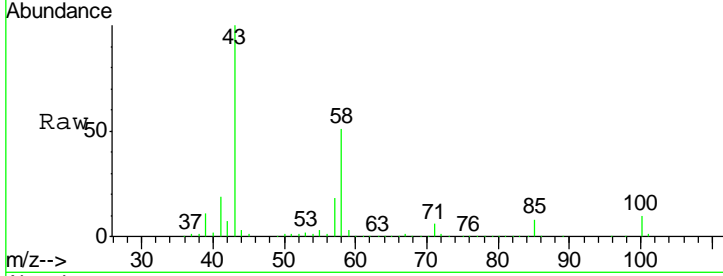


#59
 2-Hexanone
 Concen: 117.012 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

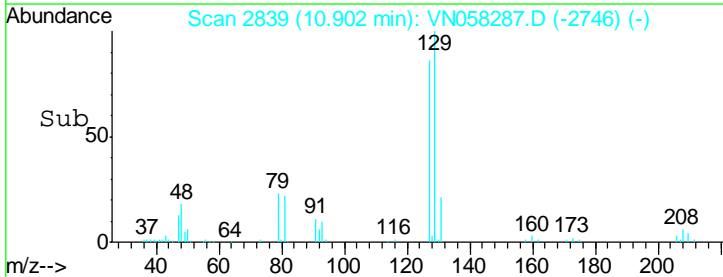
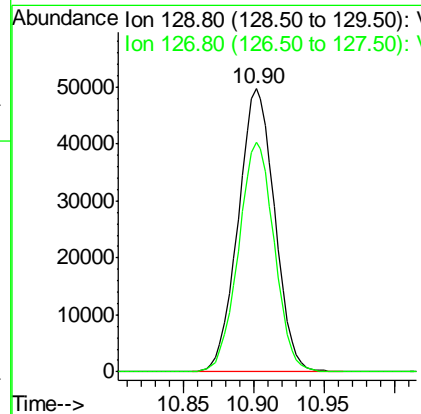
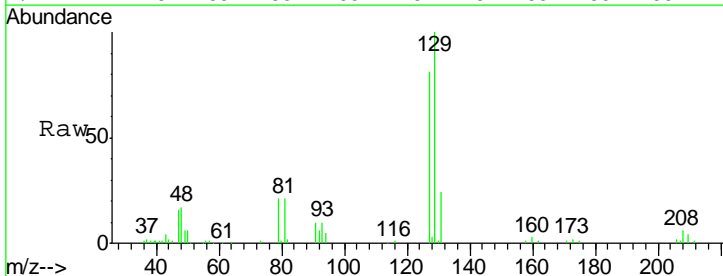
Tgt Ion	Resp	Lower	Upper
43	100		
58	51.2	26.0	78.0

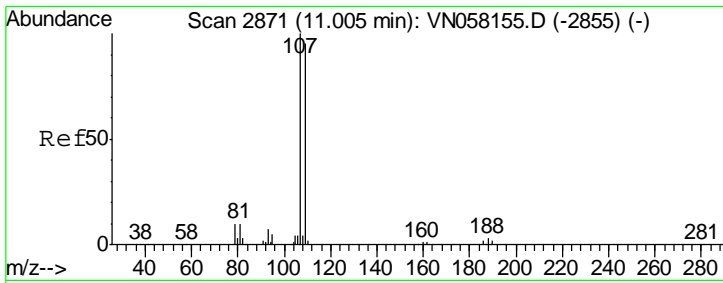
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#60
 Dibromochloromethane
 Concen: 19.929 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
129	100		
127	79.4	38.7	116.1





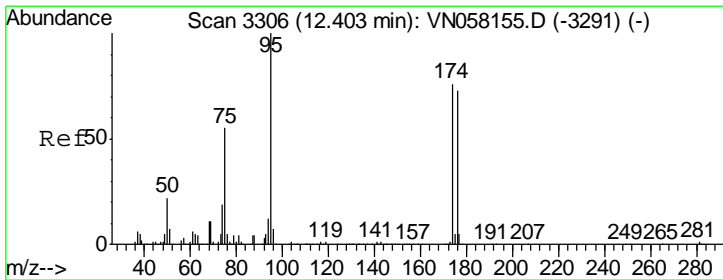
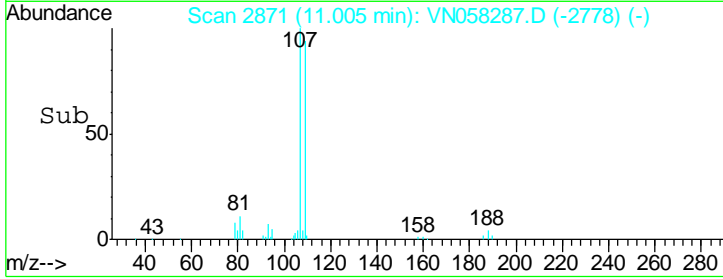
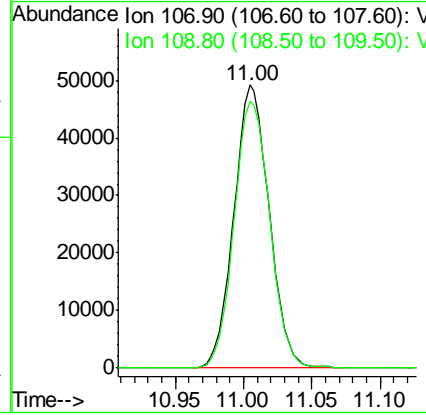
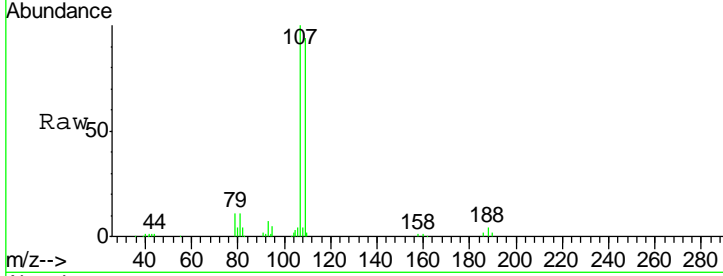
#61
 1,2-Dibromoethane
 Concen: 20.276 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.6	75.4	113.2

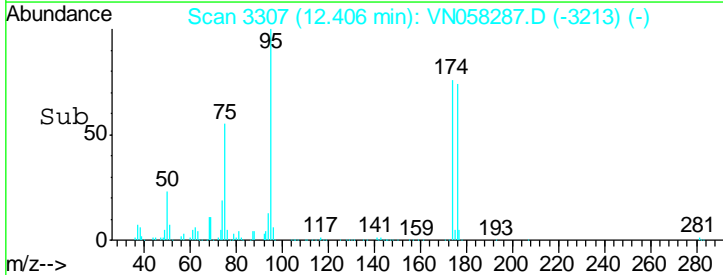
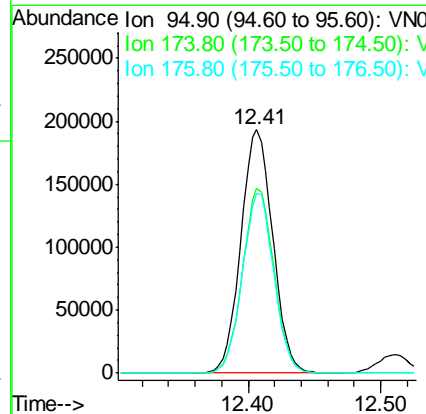
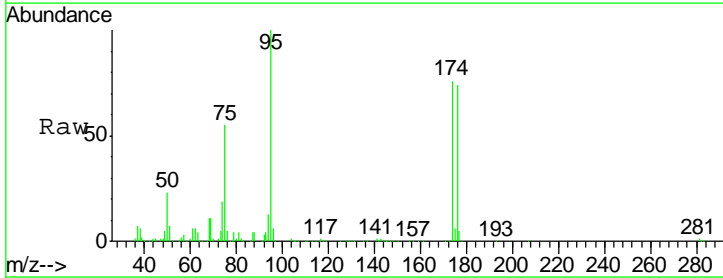
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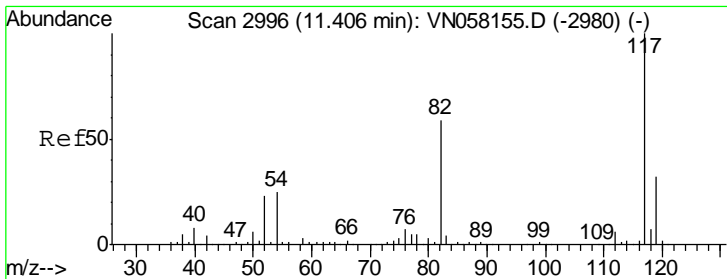
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#62
 4-Bromofluorobenzene
 Concen: 47.786 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
95	100		
174	75.1	0.0	152.2
176	72.8	0.0	148.0





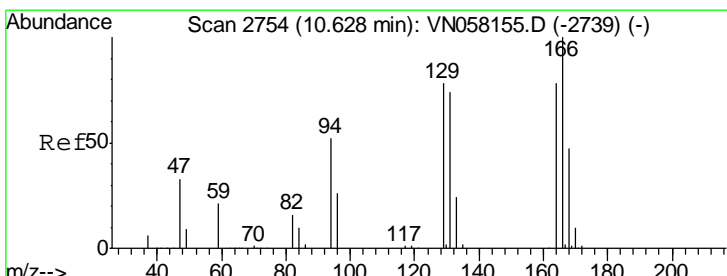
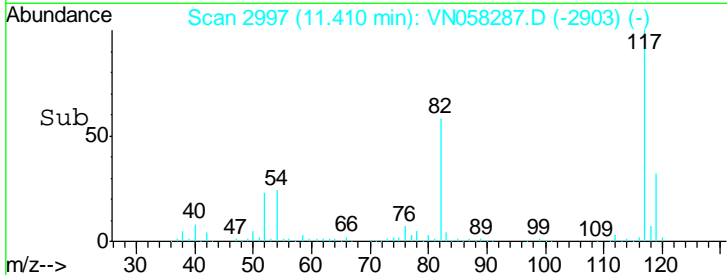
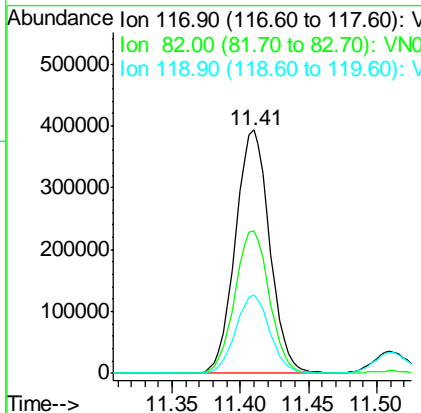
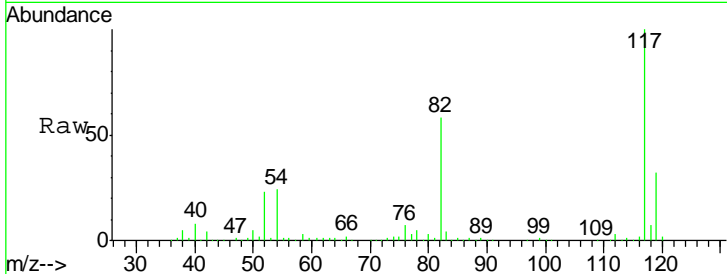
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

Tgt Ion	Resp	Lower	Upper
117	685170		
82	58.4	46.9	70.3
119	32.0	25.3	37.9

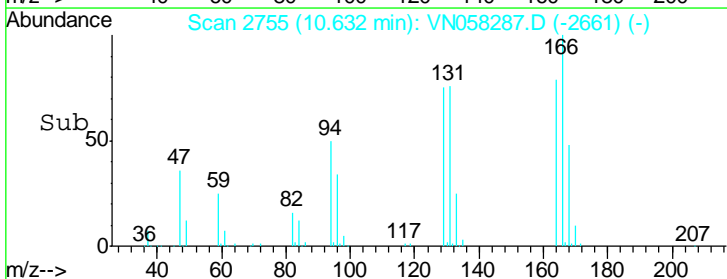
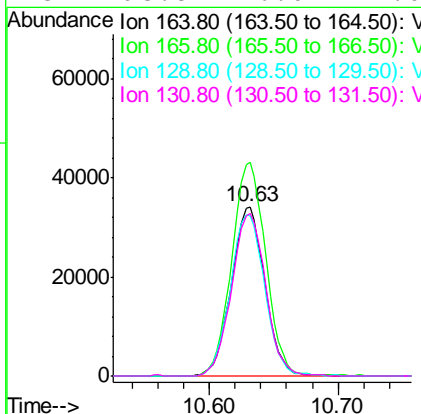
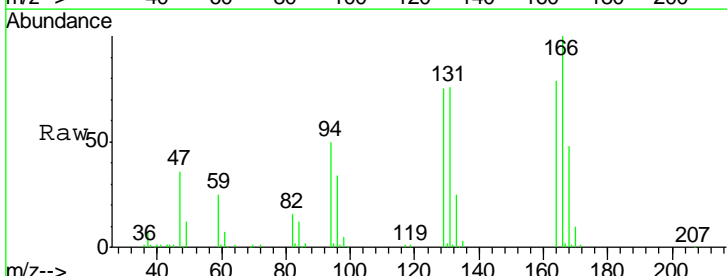
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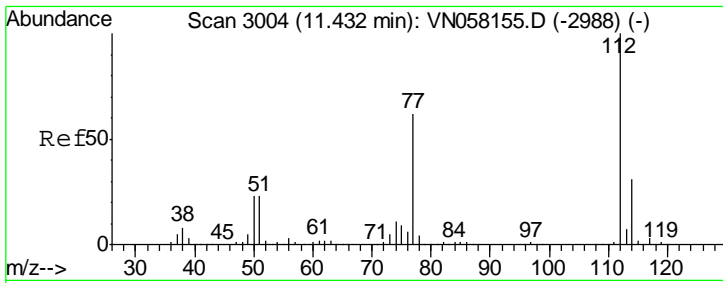
MMDadoda
 9/25/2019 12:47:39 AM



#64
 Tetrachloroethene
 Concen: 18.429 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
164	61554		
166	126.4	102.2	153.4
129	94.6	79.6	119.4
131	95.8	76.0	114.0



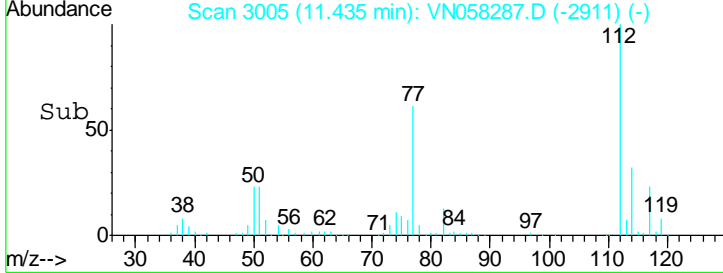
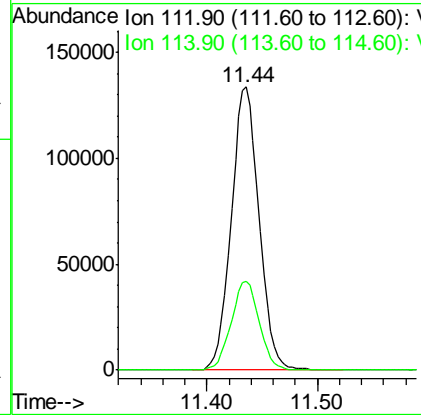
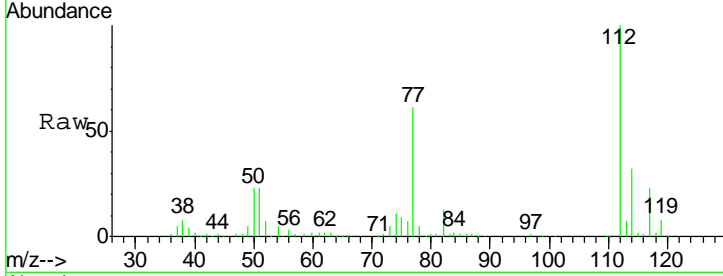


#65
 Chlorobenzene
 Concen: 19.302 ug/l
 RT: 11.44 min Scan# 3005
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

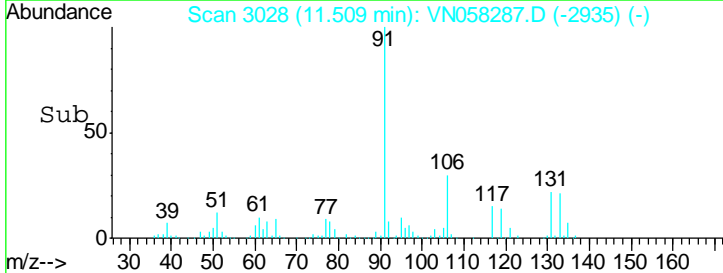
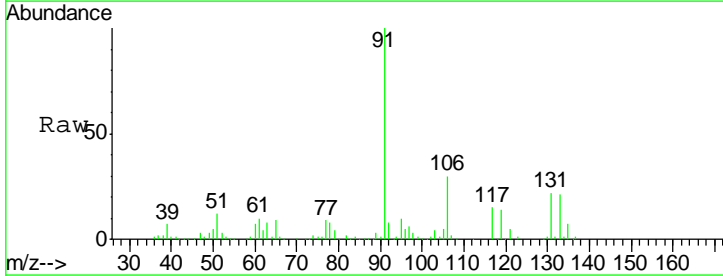
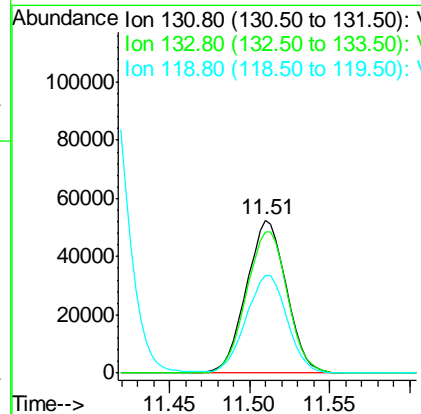
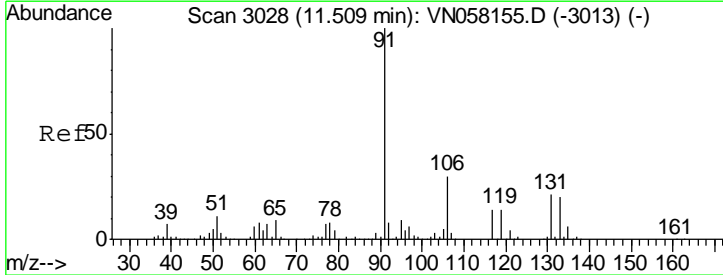
Tgt Ion: 112 Resp: 232623
 Ion Ratio Lower Upper
 112 100
 114 31.6 25.1 37.7

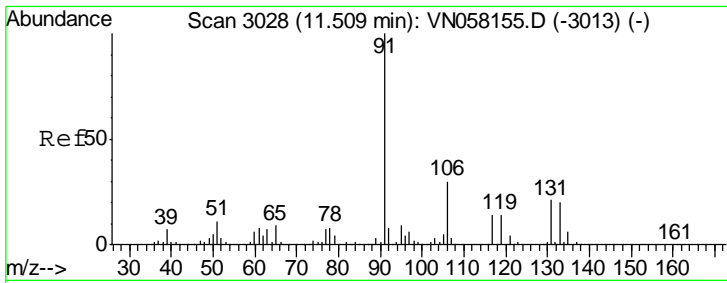
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 20.606 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 131 Resp: 90046
 Ion Ratio Lower Upper
 131 100
 133 94.9 47.8 143.3
 119 65.9 33.1 99.3





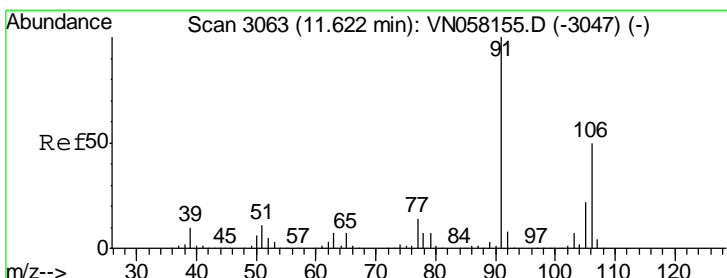
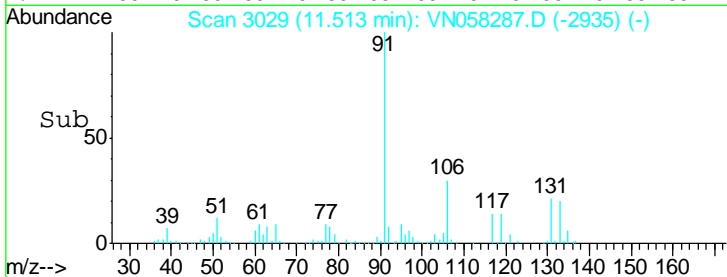
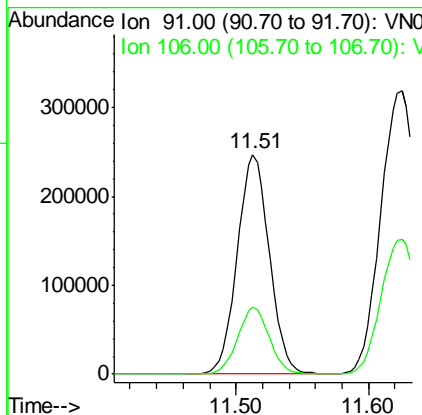
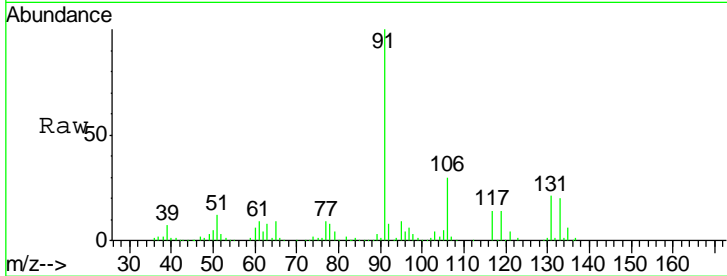
#67
 Ethyl Benzene
 Concen: 20.055 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion	Resp	Lower	Upper
91	414131		
106	30.4	24.0	36.0

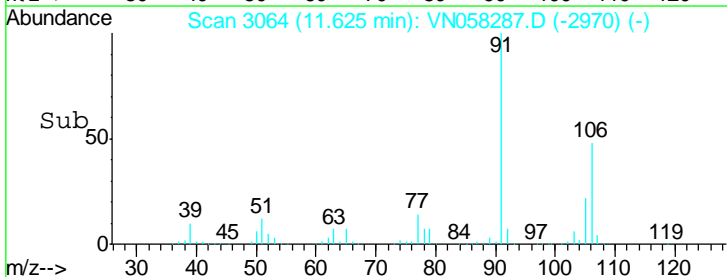
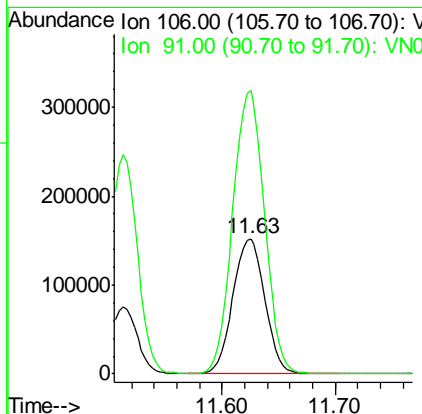
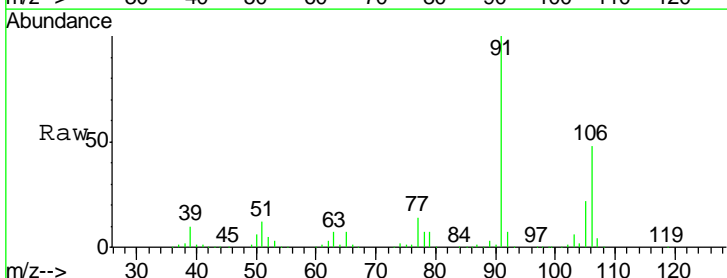
Manual Integrations
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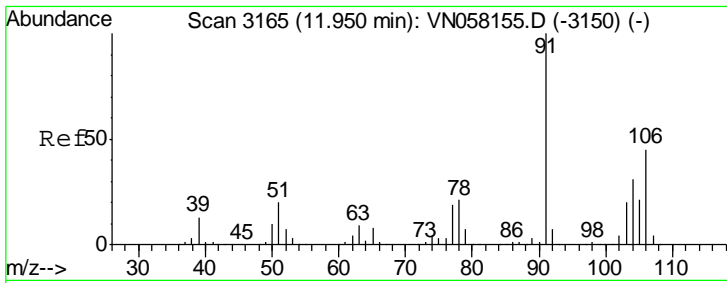
MMDadoda
 9/25/2019 12:47:39 AM



#68
 m/p-Xylenes
 Concen: 38.393 ug/l
 RT: 11.63 min Scan# 3064
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
106	298601		
91	208.5	163.6	245.4



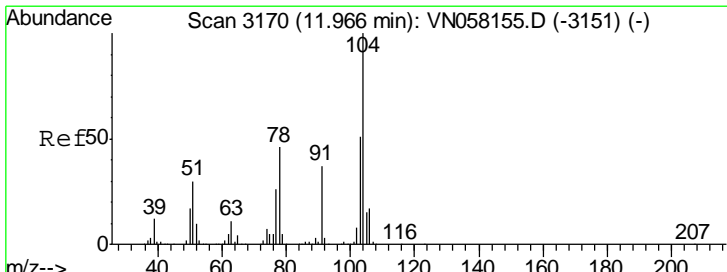
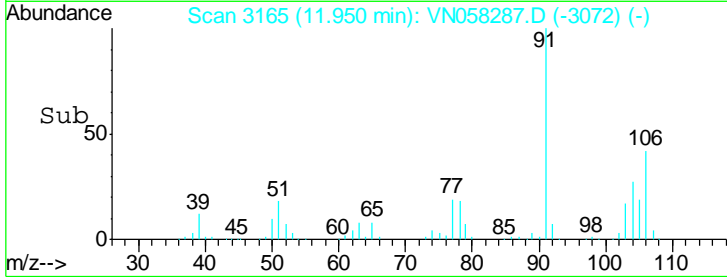
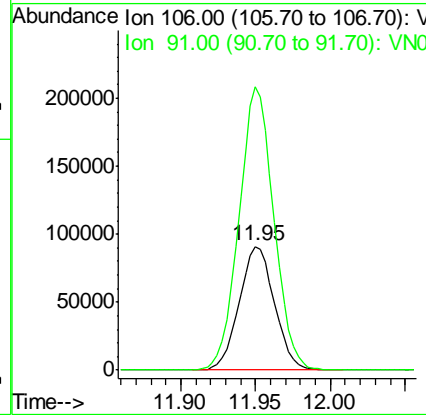
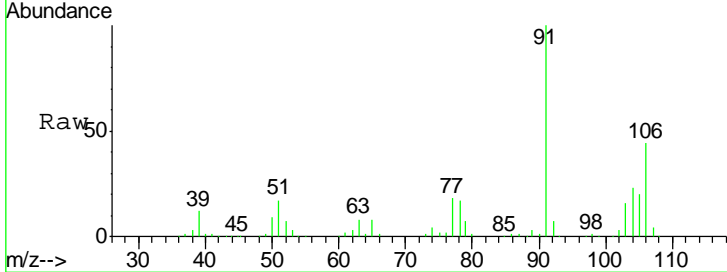


#69
 o-Xylene
 Concen: 19.522 ug/l
 RT: 11.95 min Scan# 3165
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

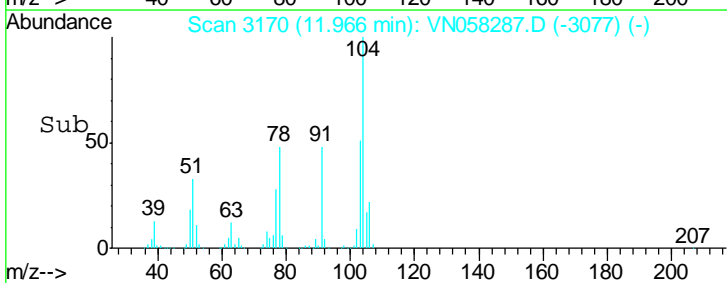
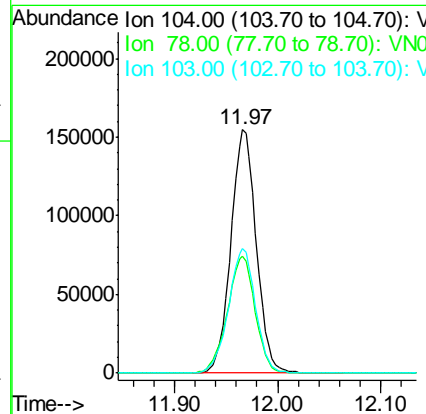
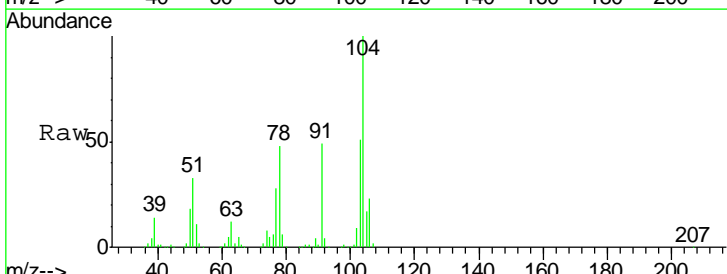
Tgt Ion	Resp	Lower	Upper
106	149299		
106	100		
91	225.7	111.8	335.3

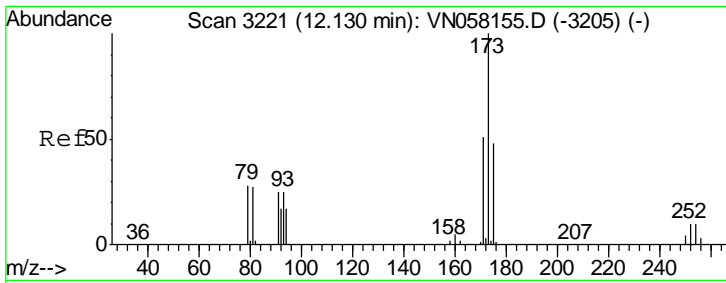
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#70
 Styrene
 Concen: 20.215 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
104	266364		
104	100		
78	52.3	41.8	62.8
103	54.2	44.2	66.2





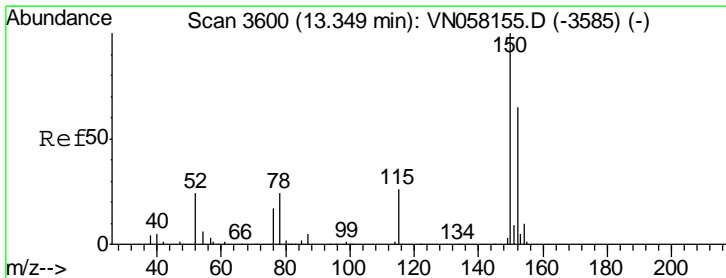
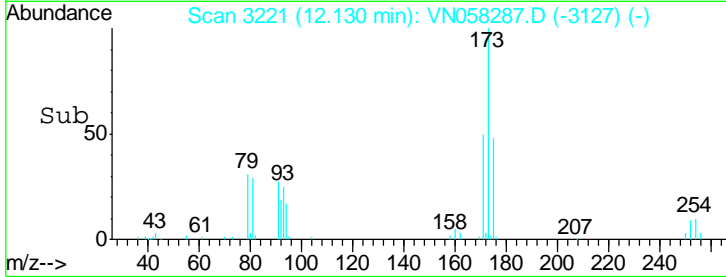
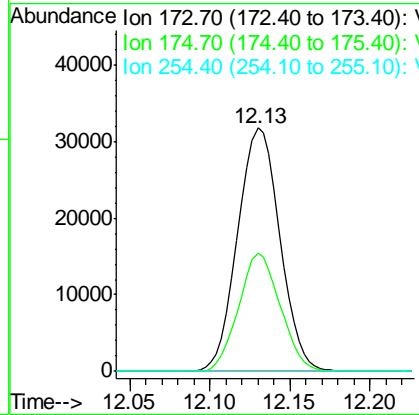
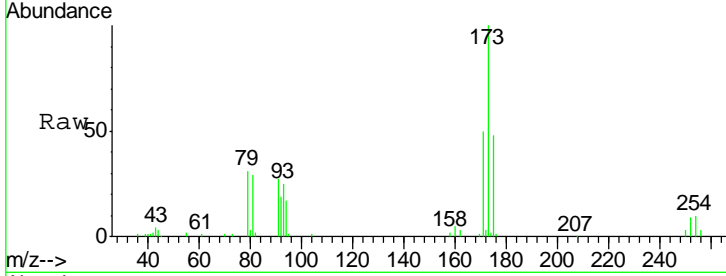
#71
 Bromoform
 Concen: 20.009 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

Tgt Ion	Resp	Lower	Upper
173	100		
175	47.5	24.2	72.6
254	0.0	0.1	0.1

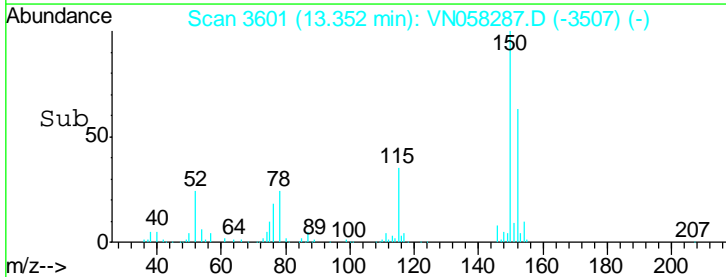
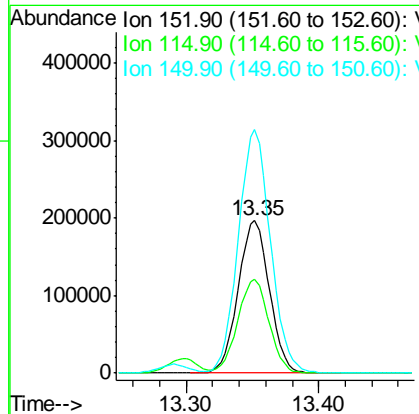
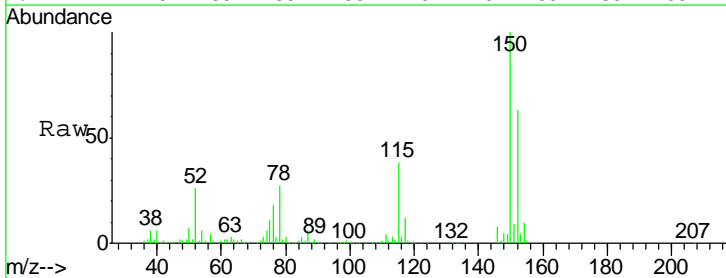
Manual Integrations
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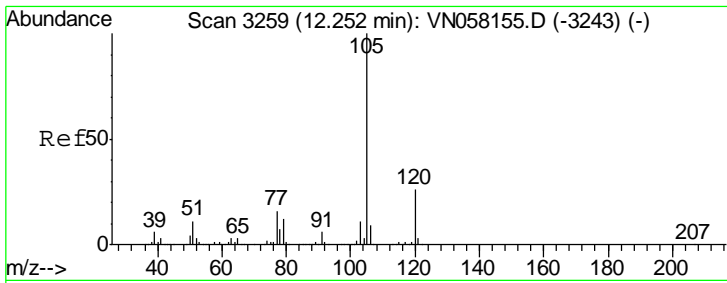
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 9/25/2019 12:47:39 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
152	100		
115	61.2	30.1	90.3
150	164.5	0.0	346.4



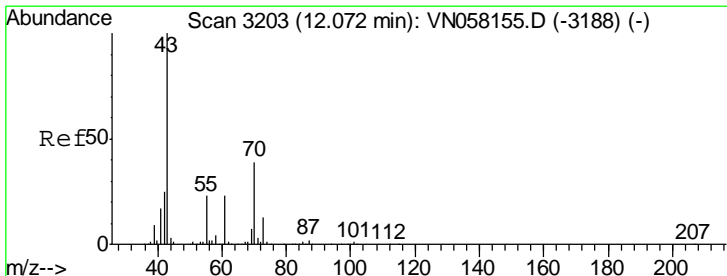
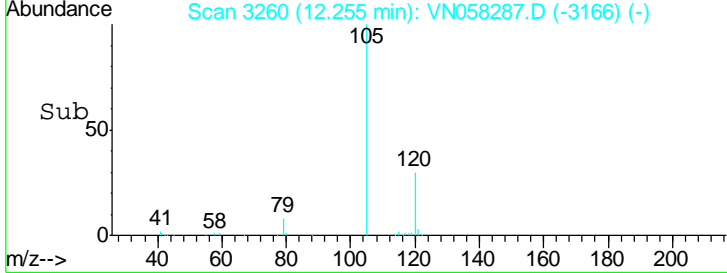
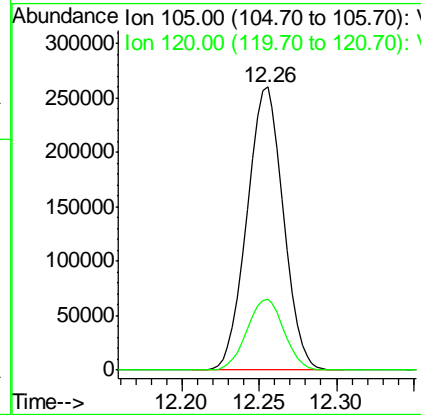
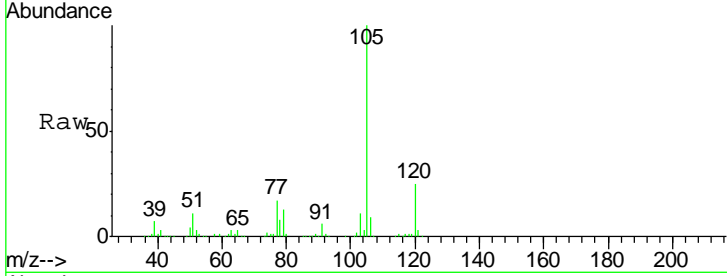


#73
 Isopropylbenzene
 Concen: 21.174 ug/l
 RT: 12.26 min Scan# 3260
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

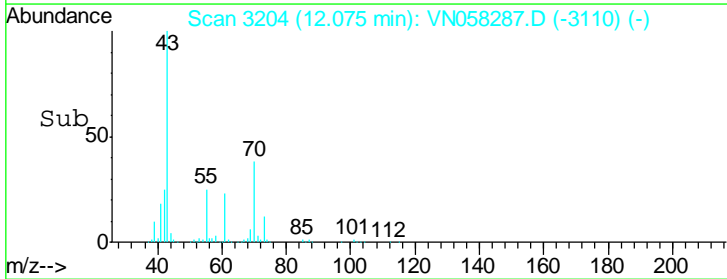
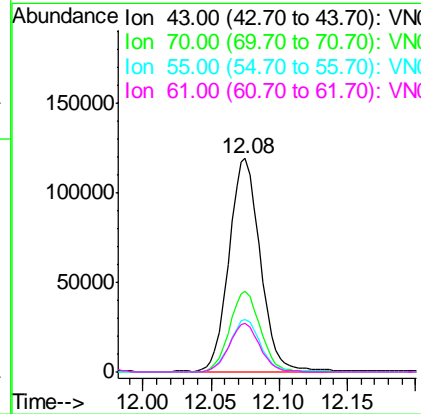
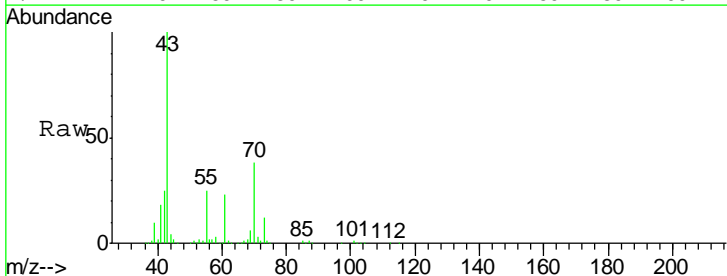
Tgt Ion: 105 Resp: 426407
 Ion Ratio Lower Upper
 105 100
 120 25.6 12.8 38.3

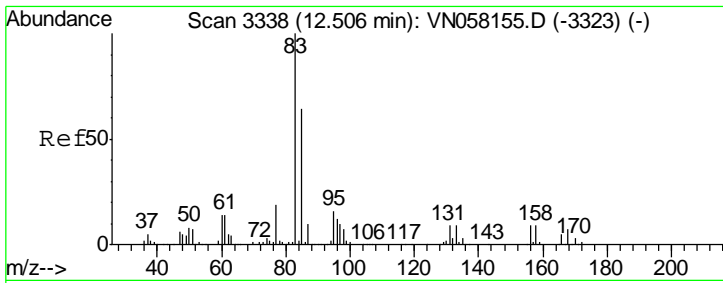
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#74
 N-nyl acetate
 Concen: 22.371 ug/l
 RT: 12.08 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion: 43 Resp: 188465
 Ion Ratio Lower Upper
 43 100
 70 37.7 31.0 46.6
 55 24.4 18.5 27.7
 61 22.6 18.2 27.2



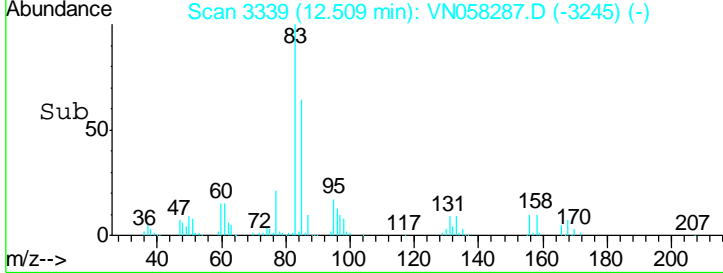
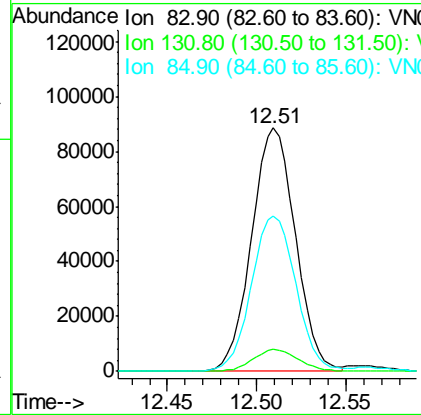
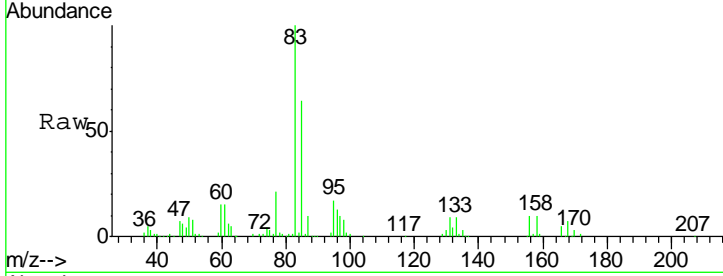


#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.572 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

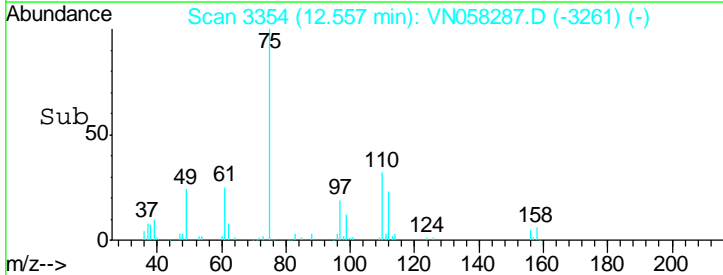
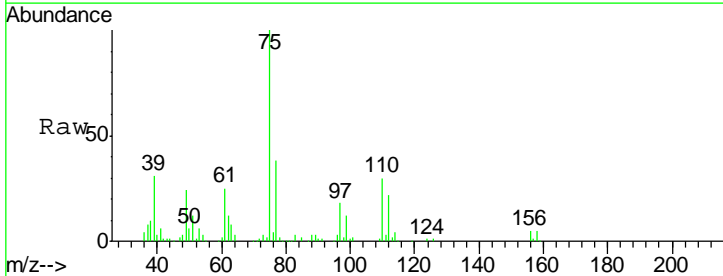
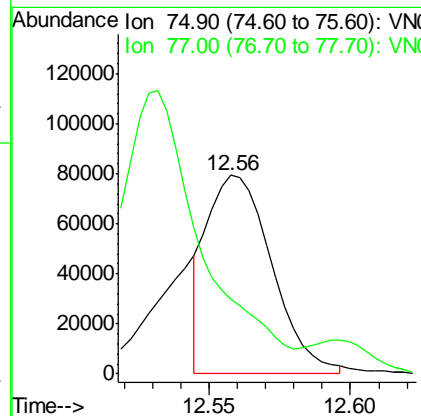
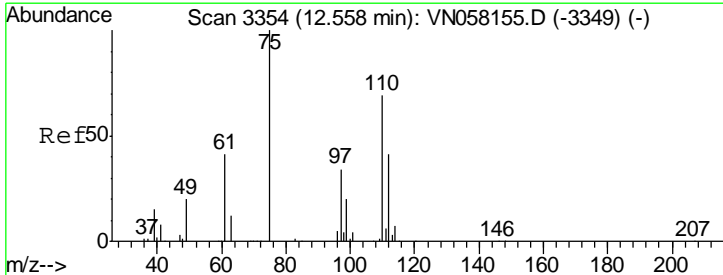
Tgt Ion	Resp	Lower	Upper
83	152218		
83	100		
131	9.3	4.8	14.3
85	64.8	31.9	95.5

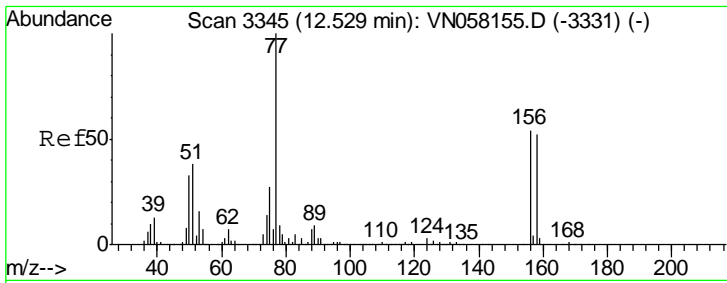
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#76
 1,2,3-Trichloropropane
 Concen: 21.987 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
75	126598		
75	100		
77	0.0	0.0	0.0



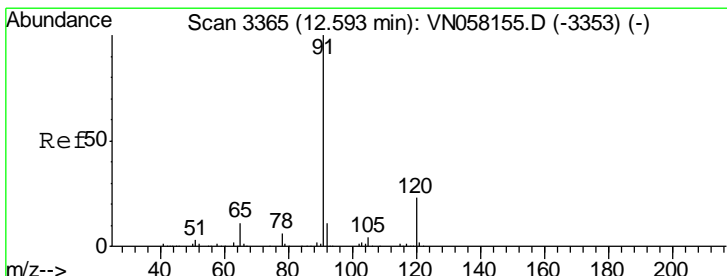
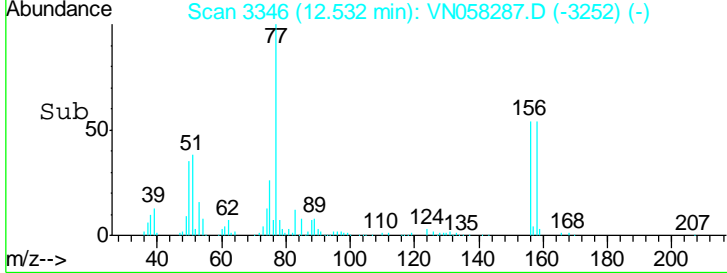
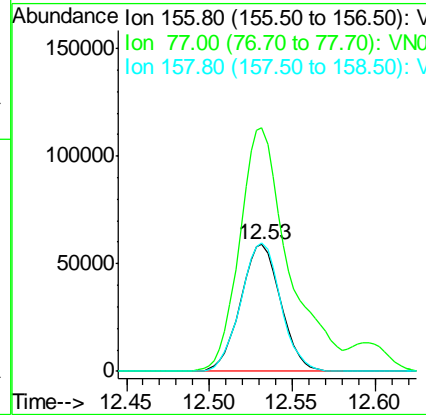
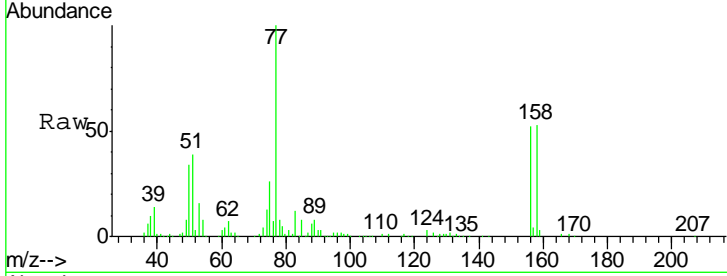


#77
 Bromobenzene
 Concen: 19.628 ug/l
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

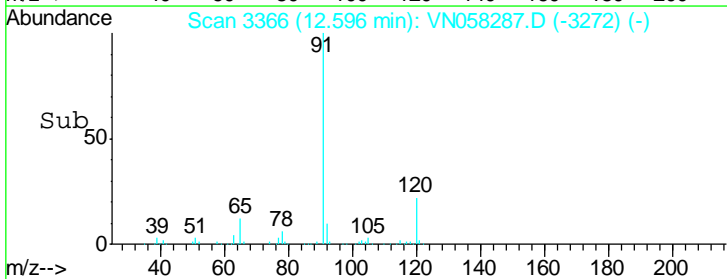
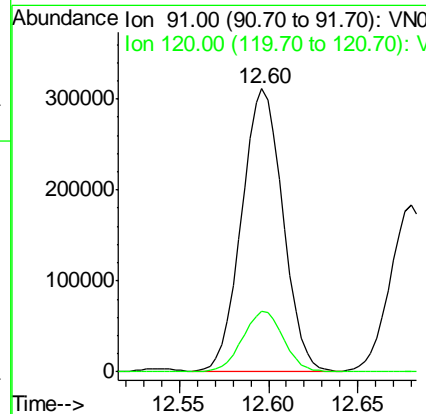
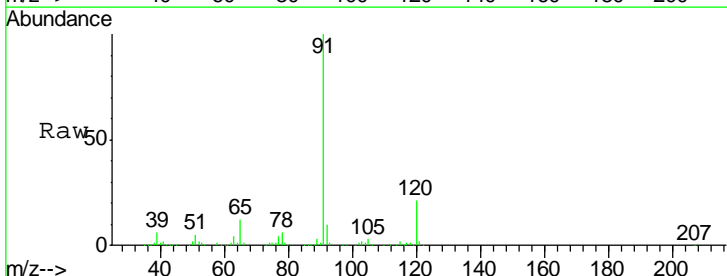
Tgt Ion	Resp	Lower	Upper
156	99426		
77	232.8	111.7	335.1
158	100.5	47.9	143.8

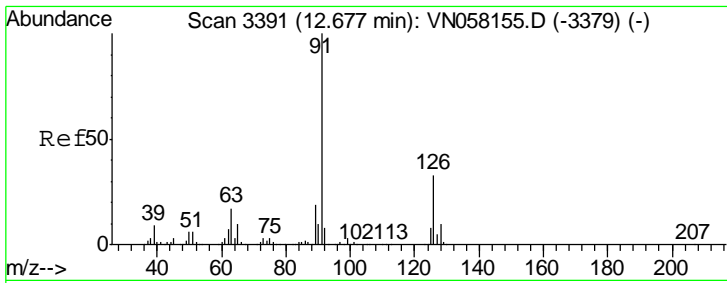
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#78
 n-propylbenzene
 Concen: 21.731 ug/l
 RT: 12.60 min Scan# 3366
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
91	497297		
120	21.4	11.1	33.3



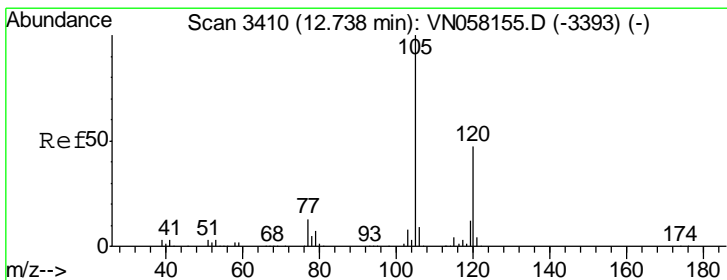
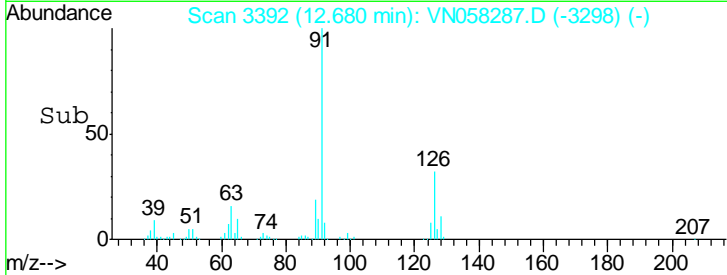
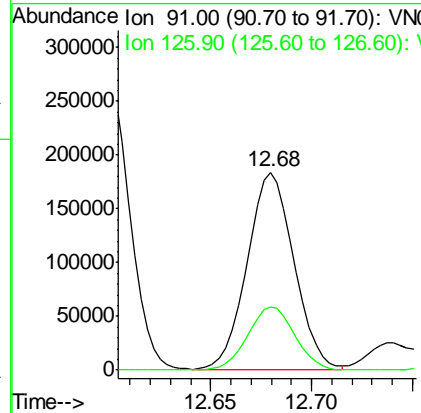
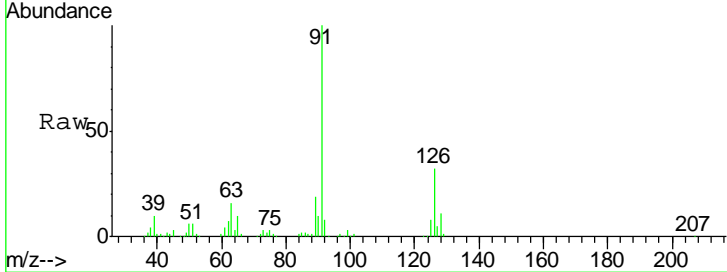


#79
 2-Chlorotoluene
 Concen: 20.780 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

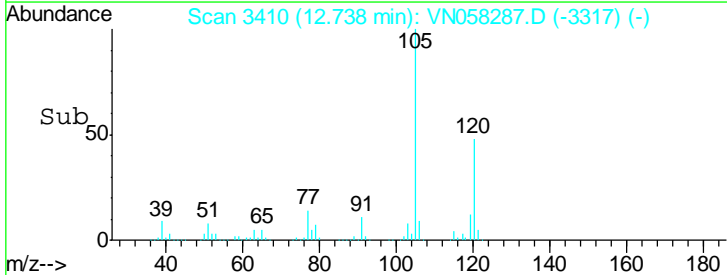
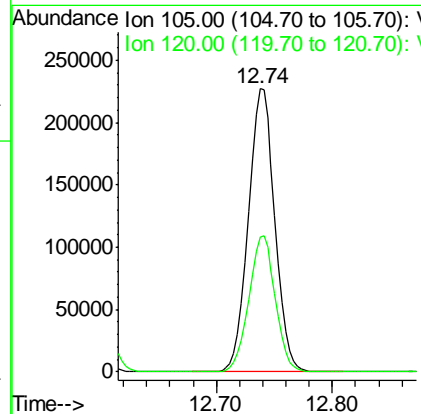
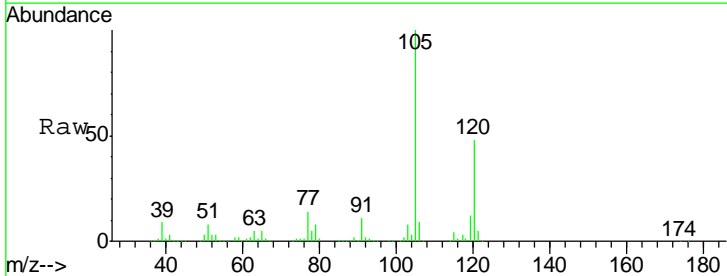
Tgt Ion	Resp	Lower	Upper
91	100		
126	32.6	16.4	49.1

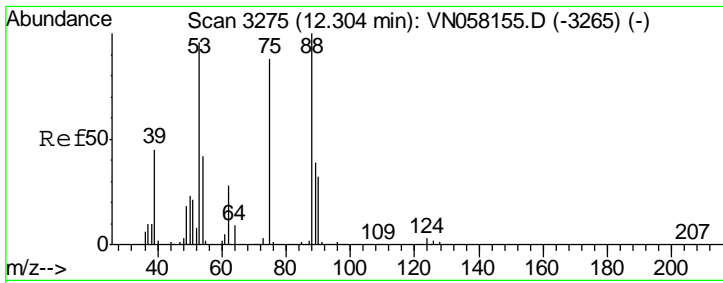
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.194 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
105	100		
120	47.8	23.4	70.0





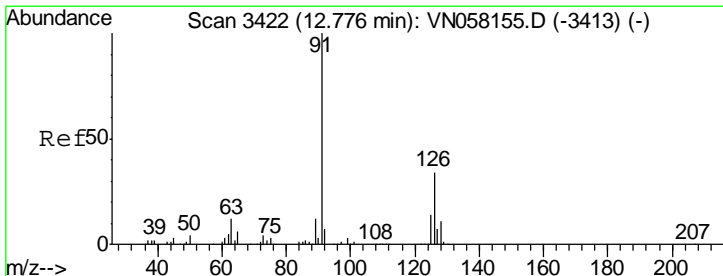
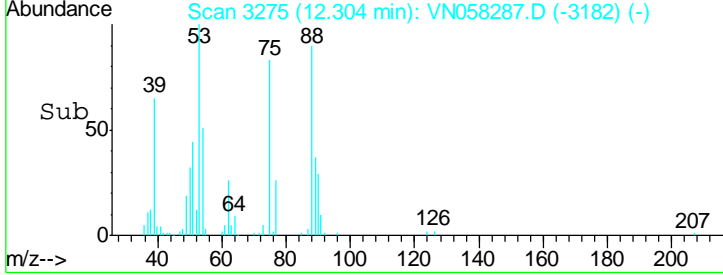
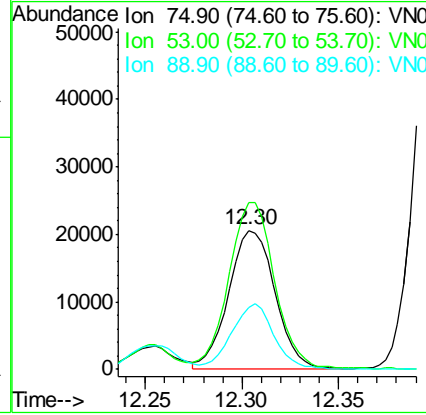
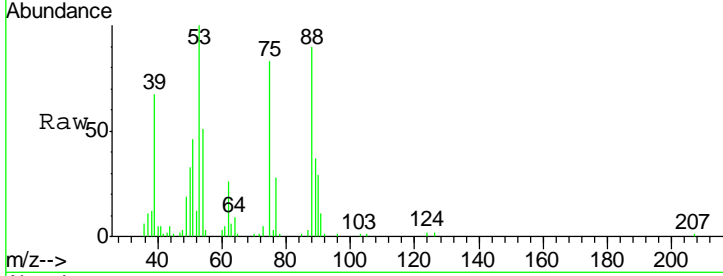
#81
 trans-1,4-Dichloro-2-butene
 Concen: 21.586 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

Tgt Ion	Resp	Lower	Upper
75	34576		
75	100		
53	119.4	90.1	135.1
89	42.6	36.2	54.2

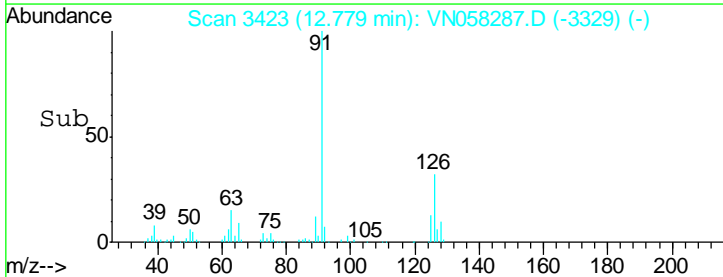
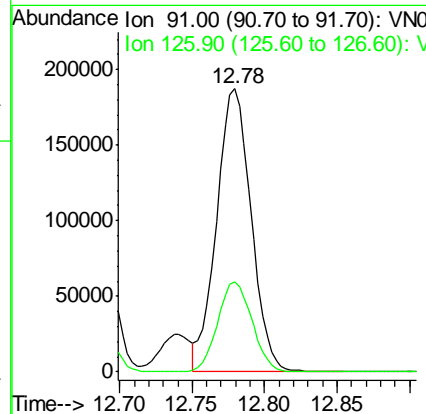
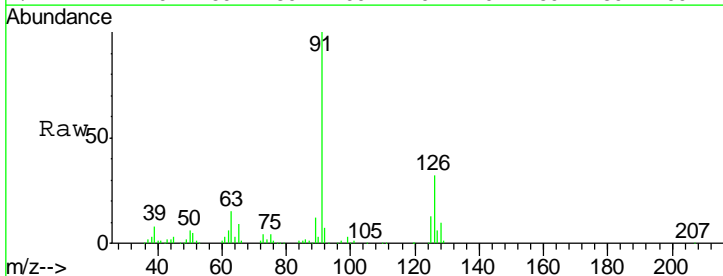
Manual Integrations
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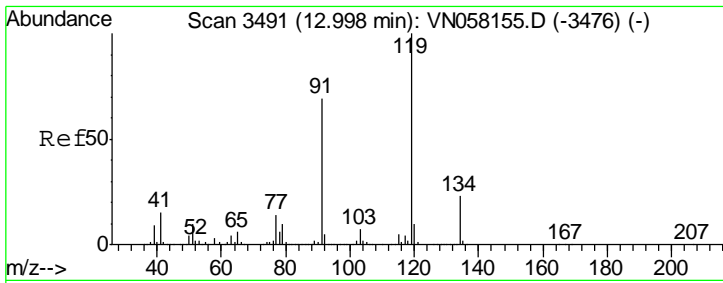
MMDadoda
 9/25/2019 12:47:39 AM



#82
 4-Chlorotoluene
 Concen: 20.629 ug/l
 RT: 12.78 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
91	310132		
91	100		
126	31.9	15.7	47.1



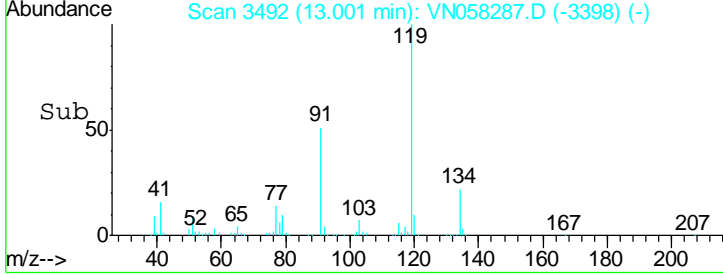
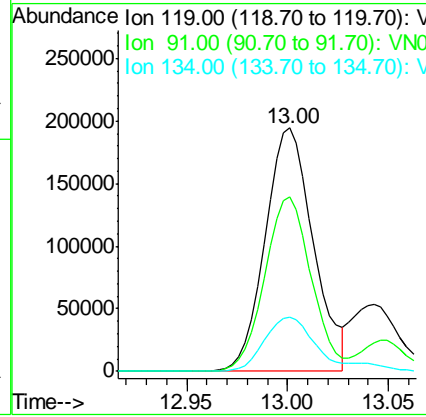
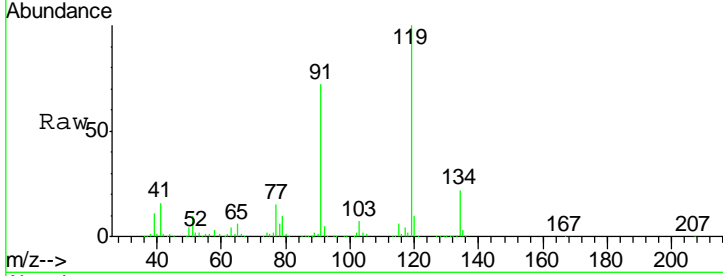


#83
 tert-Butylbenzene
 Concen: 21.254 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

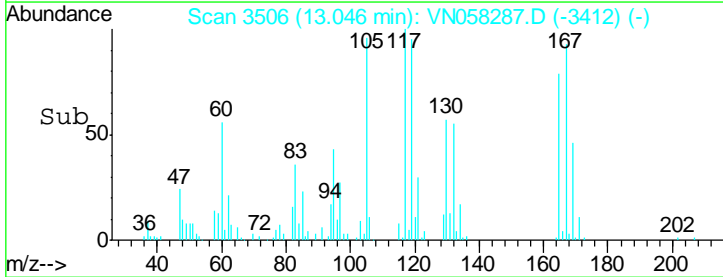
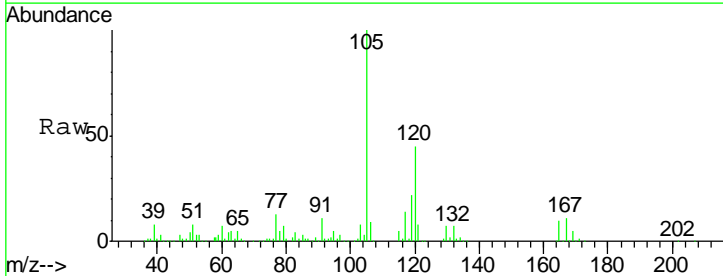
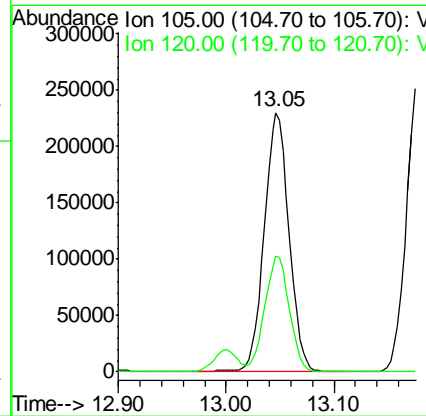
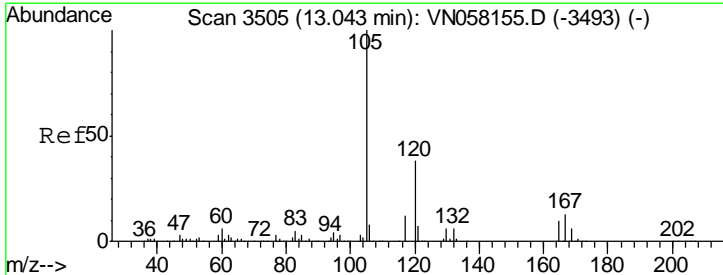
Tgt Ion	Resp	Lower	Upper
119	322766		
91	69.7	33.8	101.3
134	23.1	11.6	34.8

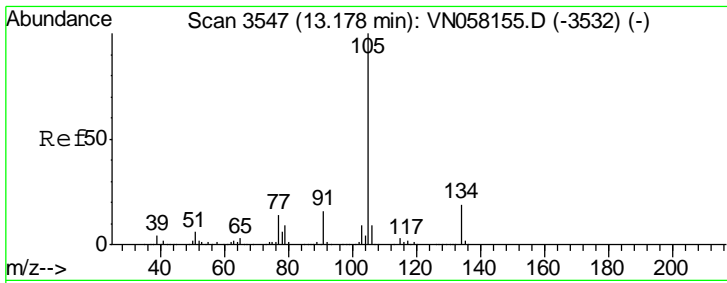
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.625 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

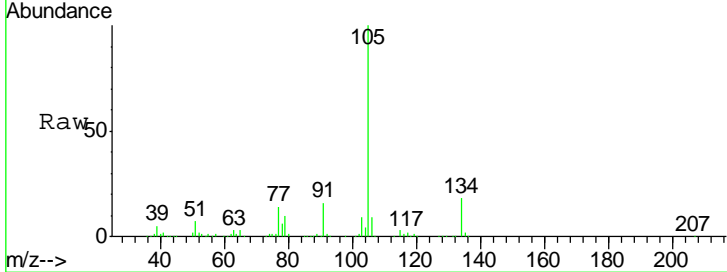
Tgt Ion	Resp	Lower	Upper
105	366472		
120	44.5	22.1	66.5





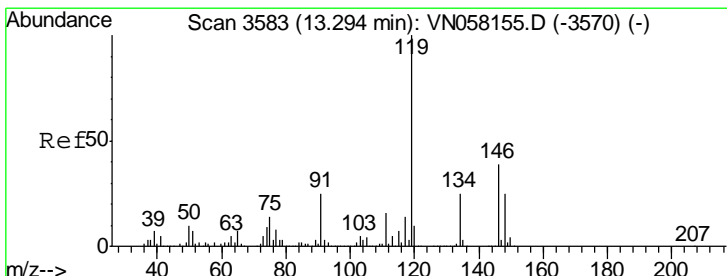
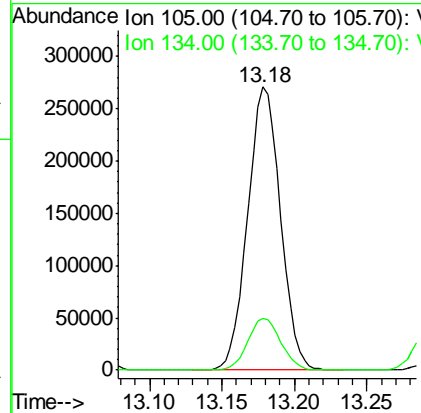
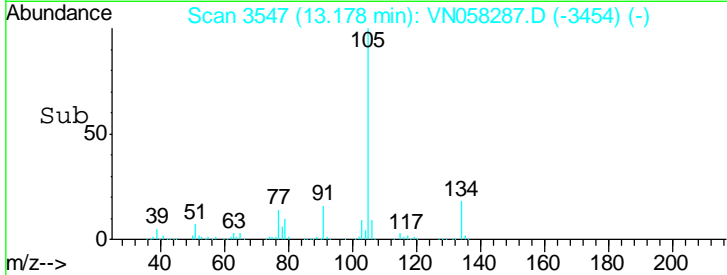
#85
 sec-Butylbenzene
 Concen: 21.435 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

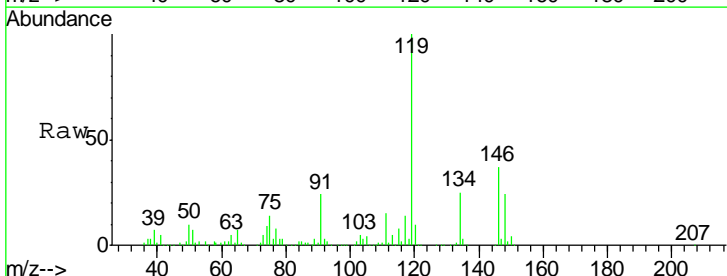


Tgt Ion: 105 Resp: 425664
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.5 28.5

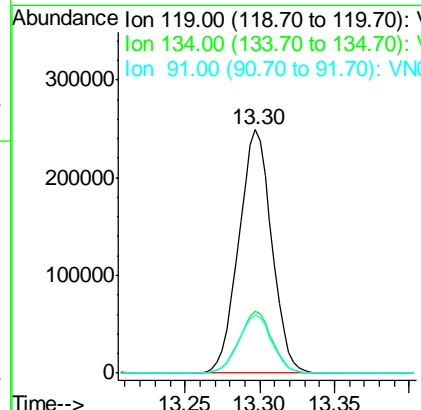
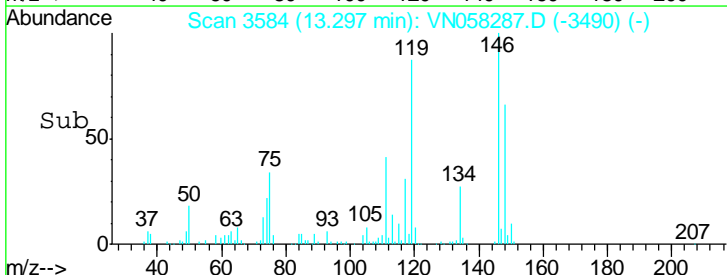
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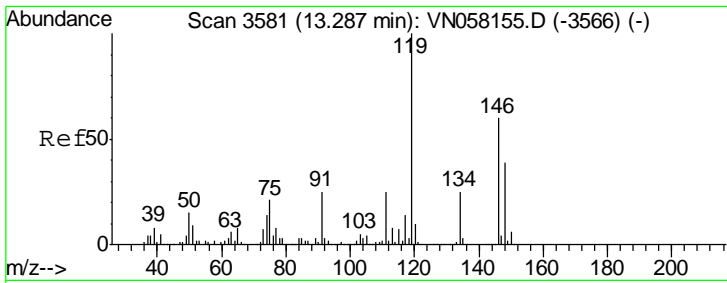


#86
 p-Isopropyltoluene
 Concen: 21.541 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18



Tgt Ion: 119 Resp: 380301
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.0
 91 24.4 12.3 36.8



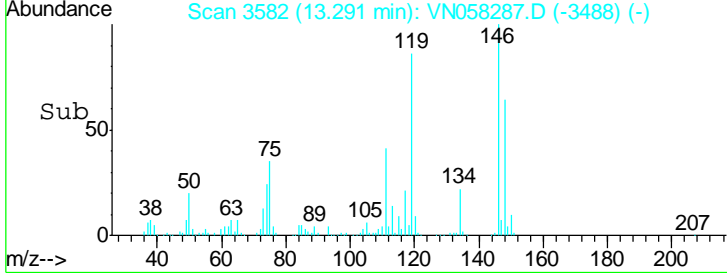
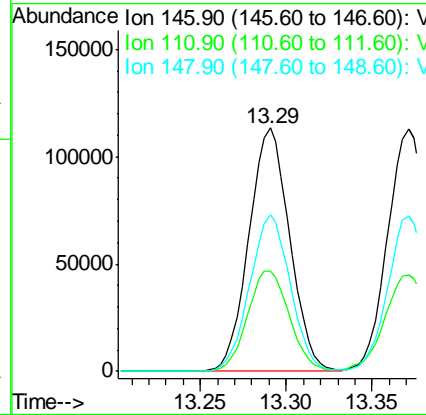
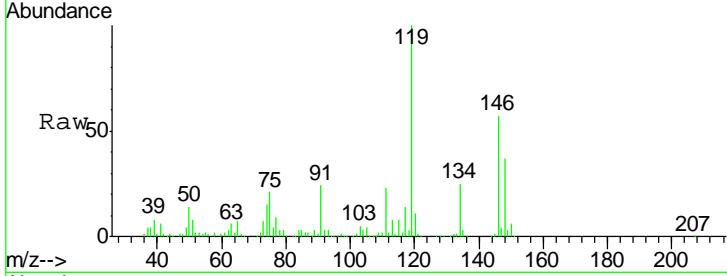


#87
 1,3-Dichlorobenzene
 Concen: 20.152 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

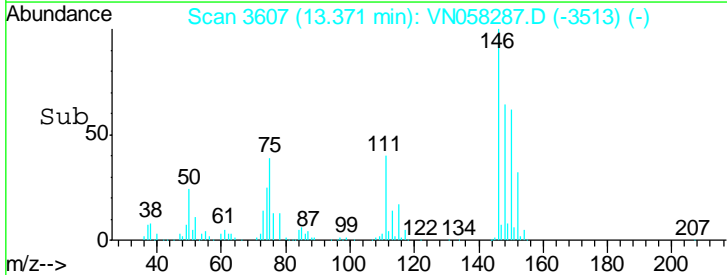
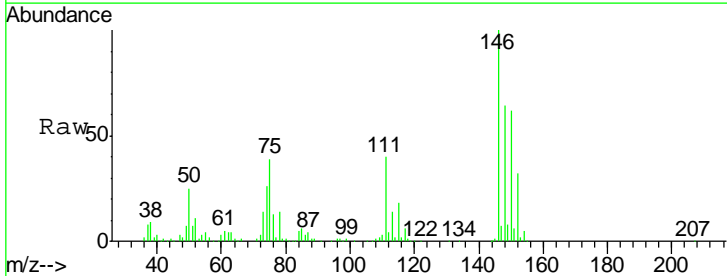
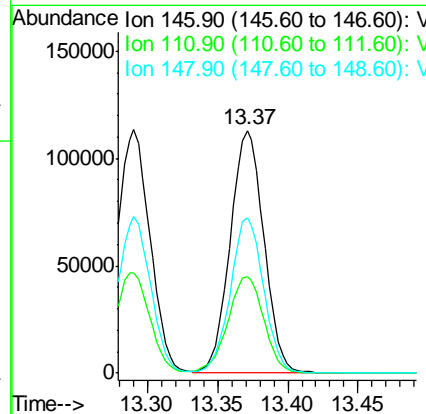
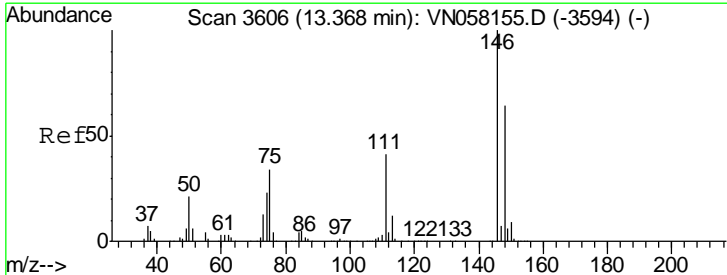
Tgt Ion	Resp	Lower	Upper
146	186454		
146	100		
111	42.1	20.9	62.8
148	63.8	32.0	96.2

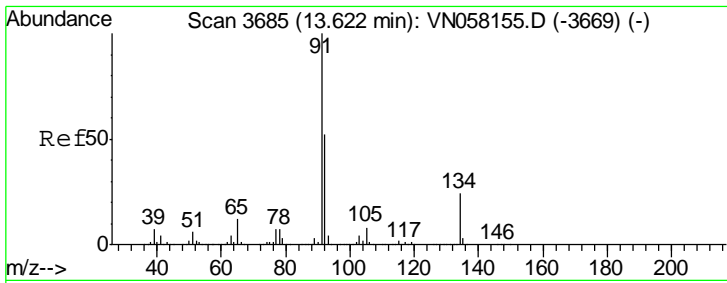
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#88
 1,4-Dichlorobenzene
 Concen: 19.955 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
146	188489		
146	100		
111	42.7	20.5	61.5
148	63.5	31.9	95.5





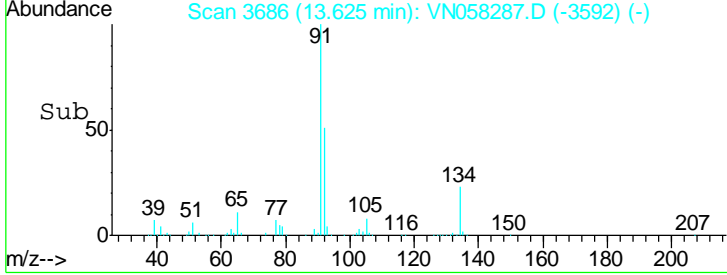
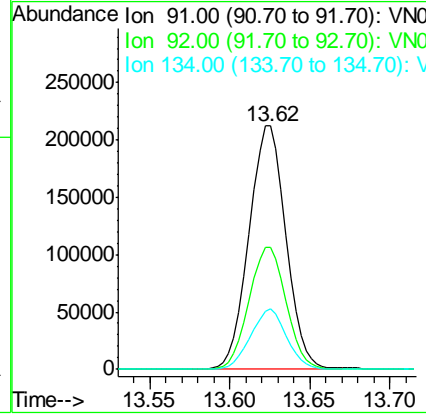
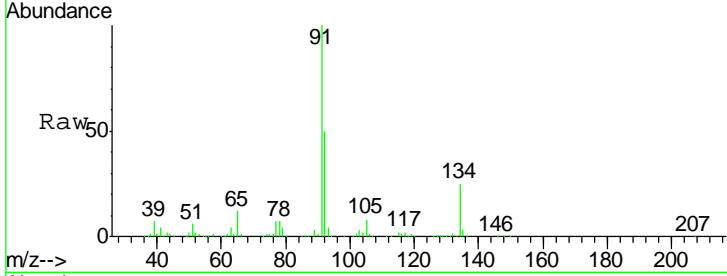
#89
 n-Butylbenzene
 Concen: 19.991 ug/l
 RT: 13.62 min Scan# 3686
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923MBS01

Tgt Ion	Resp	Lower	Upper
91	100		
92	50.6	25.7	77.0
134	24.2	11.8	35.4

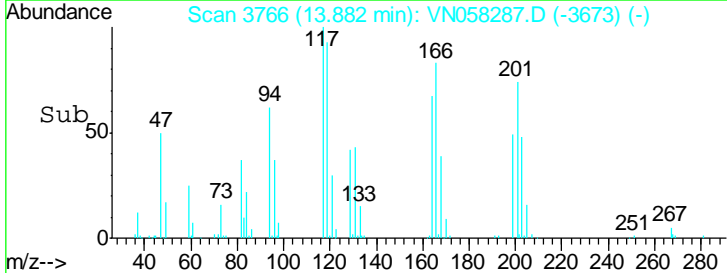
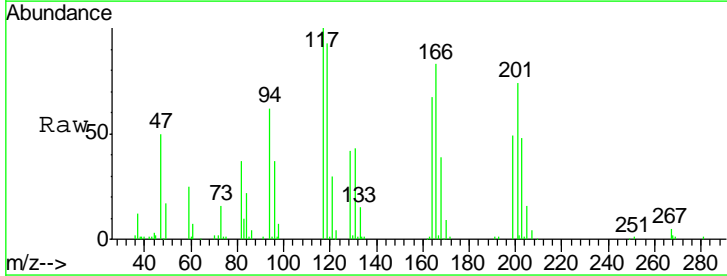
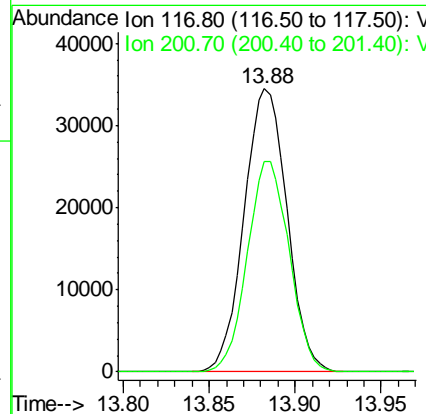
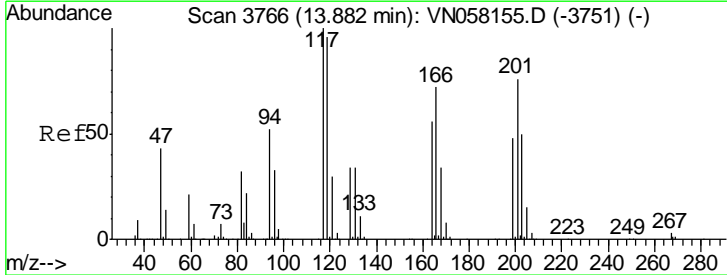
Manual Integrations
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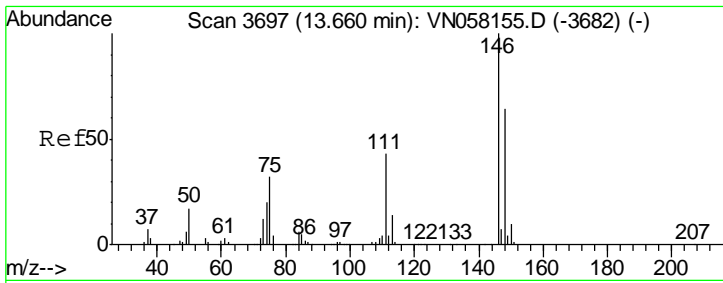
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#90
 Hexachloroethane
 Concen: 21.050 ug/l
 RT: 13.88 min Scan# 3766
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

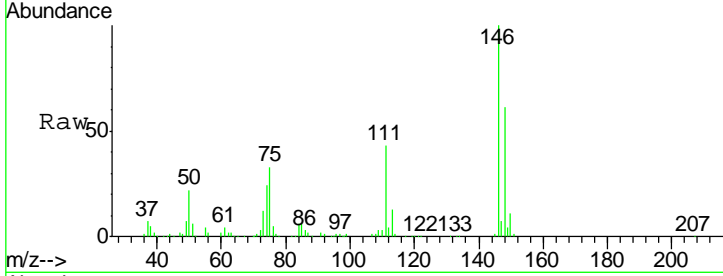
Tgt Ion	Resp	Lower	Upper
117	100		
201	72.5	37.5	112.5





#91
 1,2-Dichlorobenzene
 Concen: 20.710 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

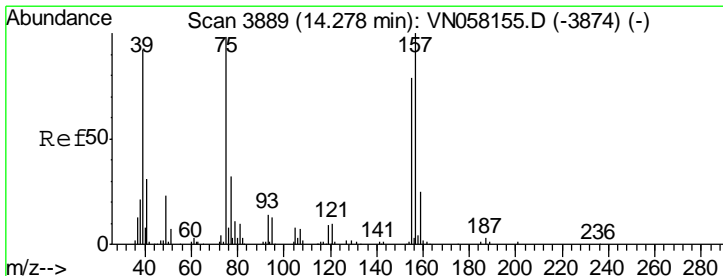
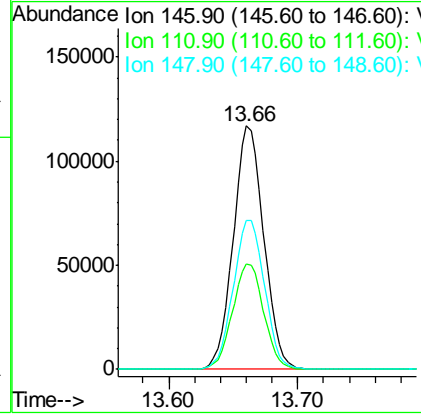
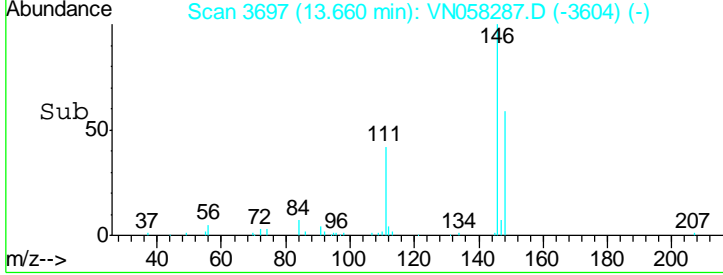
Instrument : MSVOA_N
 Client Sampled : VN0923MBS01



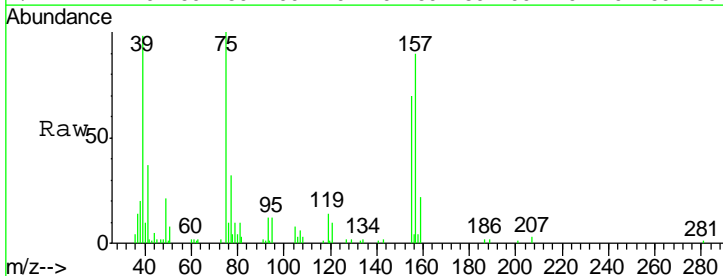
Tgt Ion: 146 Resp: 192211

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.1	63.1
148	62.9	31.8	95.4

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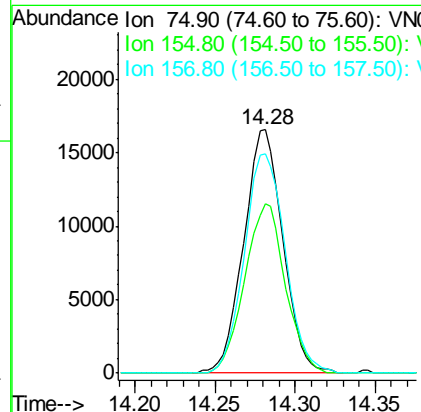
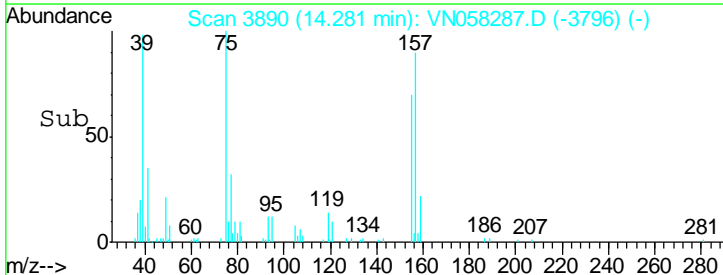


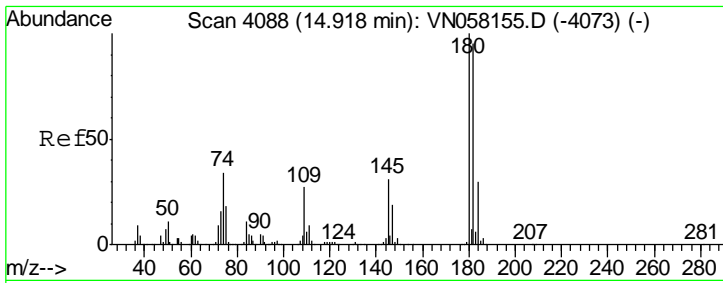
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.749 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18



Tgt Ion: 75 Resp: 27619

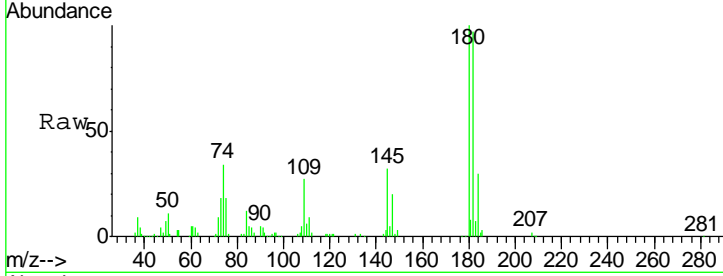
Ion	Ratio	Lower	Upper
75	100		
155	72.2	38.3	114.8
157	94.1	48.0	144.0





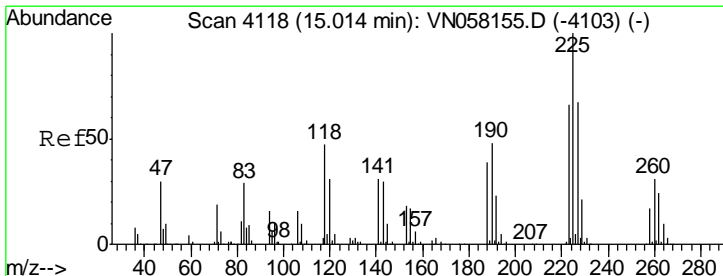
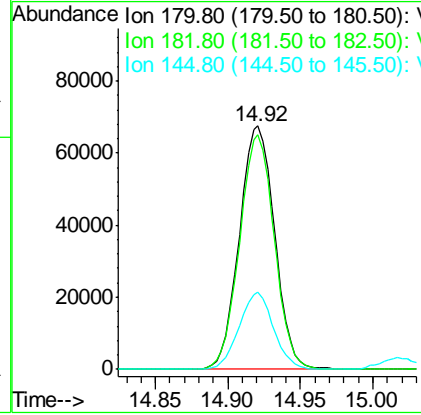
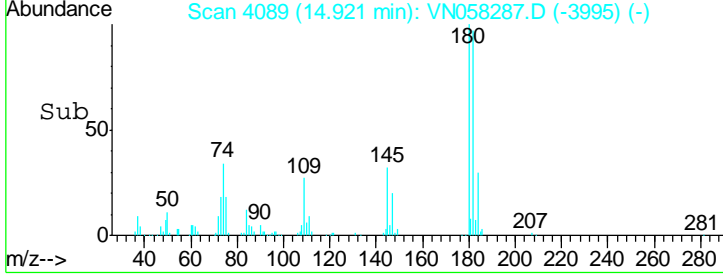
#93
 1,2,4-Trichlorobenzene
 Concen: 19.239 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 ClientSampled : VN0923MBS01

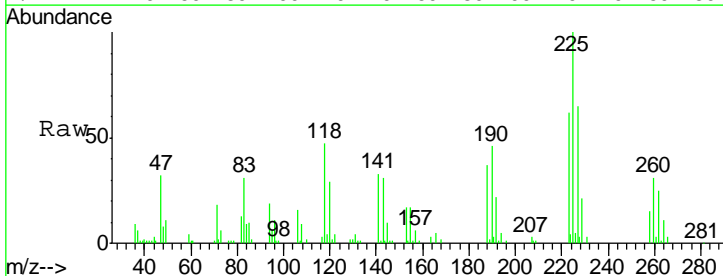


Tgt Ion	Resp	Lower	Upper
180	114086		
182	94.9	47.8	143.3
145	30.8	15.4	46.4

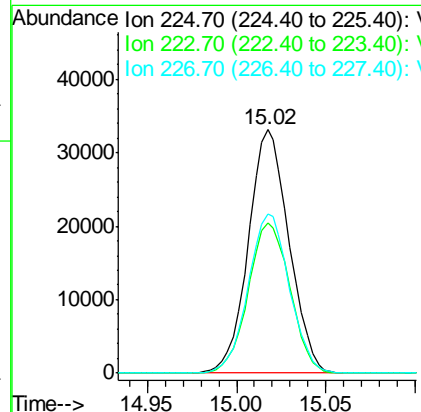
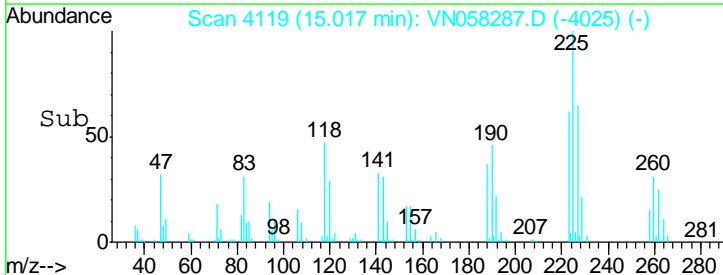
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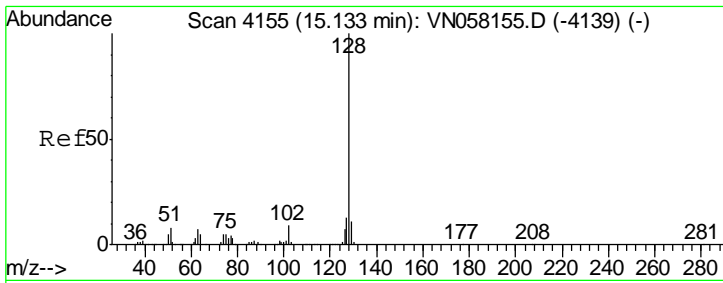


#94
 Hexachlorobutadiene
 Concen: 18.420 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18



Tgt Ion	Resp	Lower	Upper
225	52795		
223	63.2	32.6	97.7
227	66.3	33.0	99.0



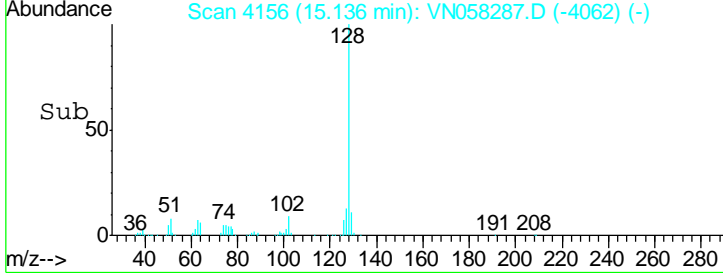
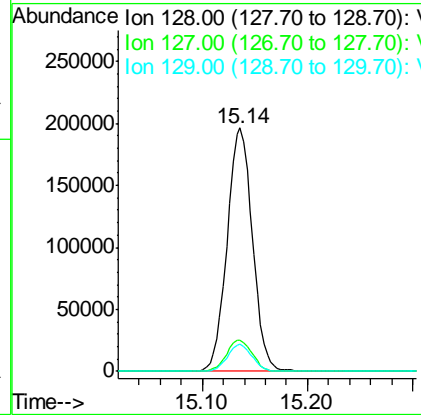
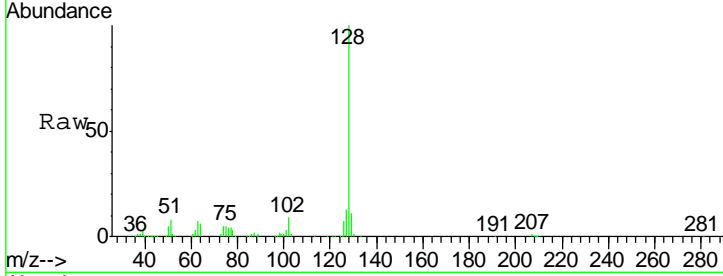


#95
 Naphthalene
 Concen: 21.225 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Instrument : MSVOA_N
 Client Sampled : VN0923MBS01

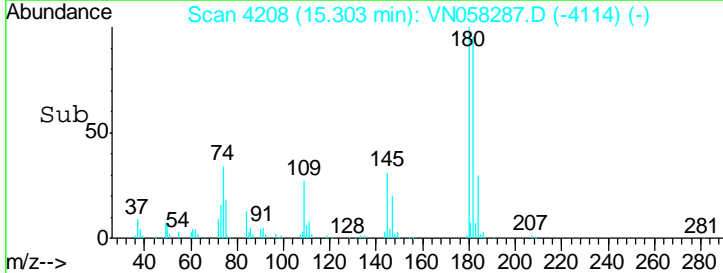
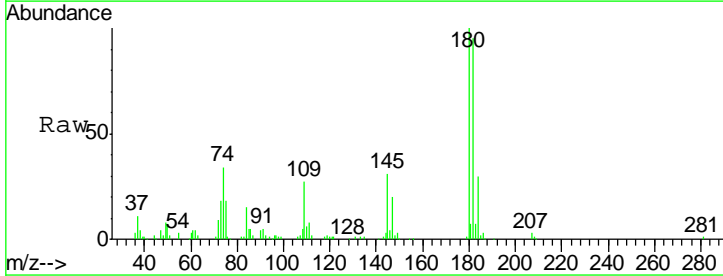
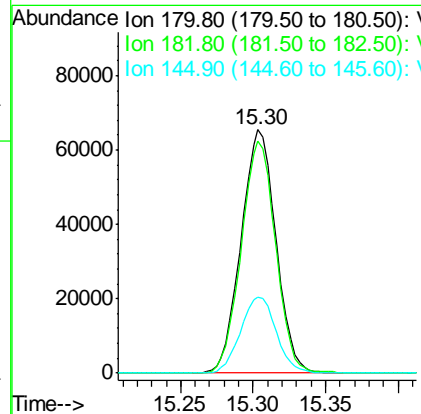
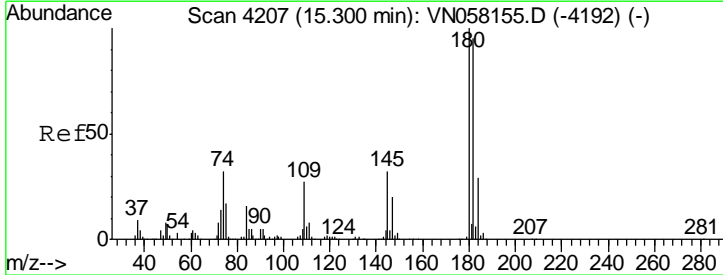
Tgt Ion	Resp	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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#96
 1,2,3-Trichlorobenzene
 Concen: 19.505 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058287.D
 Acq: 23 Sep 2019 13:18

Tgt Ion	Resp	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	31.9	16.1	48.2





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VW0920SBS02	SDG No.:	K4939
Lab Sample ID:	VW0920SBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013199.D	1		09/20/19 23:10	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		0.91	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.80	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.8		1.10	5.00	ug/Kg
74-83-9	Bromomethane	18.6		0.38	5.00	ug/Kg
75-00-3	Chloroethane	18.4		0.58	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	16.3		0.65	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.80	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.99	5.00	ug/Kg
67-64-1	Acetone	110		7.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		1.40	5.00	ug/Kg
79-20-9	Methyl Acetate	26.9		2.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.4		5.20	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.5		1.30	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.9		0.91	5.00	ug/Kg
110-82-7	Cyclohexane	20.3		1.80	5.00	ug/Kg
78-93-3	2-Butanone	120		6.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.8		0.82	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.8		0.99	5.00	ug/Kg
74-97-5	Bromochloromethane	16.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	18.6		0.86	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.6		1.10	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.2		1.20	5.00	ug/Kg
71-43-2	Benzene	20.0		0.84	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		1.20	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.93	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.4		1.20	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.2		0.99	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	130		5.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.98	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.3		1.00	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.1		1.10	5.00	ug/Kg



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VW0920SBS02	SDG No.:	K4939
Lab Sample ID:	VW0920SBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013199.D	1		09/20/19 23:10	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	21.4		1.40	5.00	ug/Kg
591-78-6	2-Hexanone	130		7.40	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.5		1.30	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.7		1.30	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.7		0.70	5.00	ug/Kg
108-90-7	Chlorobenzene	19.6		0.79	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.85	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.70	10.0	ug/Kg
95-47-6	o-Xylene	19.6		1.10	5.00	ug/Kg
100-42-5	Styrene	19.9		0.99	5.00	ug/Kg
75-25-2	Bromoform	21.0		3.30	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.87	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		1.10	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.9		1.10	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.30	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	25.7		3.30	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.2		1.10	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		1.30	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	51.1		67 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		33 - 141	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	306000	7.95			
540-36-3	1,4-Difluorobenzene	420000	8.84			
3114-55-4	Chlorobenzene-d5	365000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	187000	13.55			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013199.D
 Acq On : 20 Sep 2019 23:10
 Operator : SY/VA
 Sample : VW0920SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:29:00 AM

Quant Time: Sep 21 05:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	187014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	124526	49.92	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 99.84%
35) Dibromofluoromethane	7.88	113	117069	50.63	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 101.26%
50) Toluene-d8	10.32	98	494820	51.13	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 102.26%
62) 4-Bromofluorobenzene	12.62	95	167334	50.62	ug/l	0.00
Spiked Amount				50.000		
Recovery						= 101.24%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	33979	19.273	ug/l	98
3) Chloromethane	2.20	50	44413	19.597	ug/l	98
4) Vinyl Chloride	2.35	62	57856	19.802	ug/l	98
5) Bromomethane	2.76	94	34368	18.562	ug/l	99
6) Chloroethane	2.90	64	31622	18.361	ug/l	99
7) Trichlorofluoromethane	3.25	101	27526	16.338	ug/l	93
8) Diethyl Ether	3.67	74	28511	19.813	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55846	20.360	ug/l	99
10) Methyl Iodide	4.26	142	74714	17.569	ug/l	99
11) Tert butyl alcohol	5.19	59	37573m	207.529	ug/l	
12) 1,1-Dichloroethene	4.04	96	54268	19.106	ug/l	94
13) Acrolein	3.89	56	15801	110.041	ug/l	92
14) Allyl chloride	4.66	41	82500	18.251	ug/l	99
15) Acrylonitrile	5.37	53	77105	124.140	ug/l	100
16) Acetone	4.12	43	60833	108.144	ug/l	98
17) Carbon Disulfide	4.38	76	151999	18.515	ug/l	99
18) Methyl Acetate	4.67	43	42519	26.890	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	87779	20.165	ug/l	98
20) Methylene Chloride	4.90	84	58337	18.444	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	56687	18.466	ug/l	95
22) Diisopropyl ether	6.31	45	161472	18.785	ug/l	97
23) Vinyl Acetate	6.25	43	519008	101.776	ug/l	100
24) 1,1-Dichloroethane	6.21	63	98242	18.940	ug/l	98
25) 2-Butanone	7.17	43	101837	120.598	ug/l	97
26) 2,2-Dichloropropane	7.16	77	60644	17.366	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	60830	18.776	ug/l	98
28) Bromochloromethane	7.51	49	33669	16.913	ug/l	# 98
29) Tetrahydrofuran	7.53	42	66755	128.905	ug/l	100
30) Chloroform	7.67	83	94256	18.561	ug/l	99
31) Cyclohexane	7.95	56	109825	20.312	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	80626	19.603	ug/l	98
36) 1,1-Dichloropropene	8.08	75	85433	20.980	ug/l	99
37) Ethyl Acetate	7.25	43	44822	25.899	ug/l	99
38) Carbon Tetrachloride	8.07	117	76103	20.848	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013199.D
 Acq On : 20 Sep 2019 23:10
 Operator : SY/VA
 Sample : VW0920SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VW0920SBS02

Manual Integrations
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 9/24/2019 5:29:00 AM

Quant Time: Sep 21 05:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	111110	21.232	ug/l	98
40) Benzene	8.32	78	227411	20.022	ug/l	99
41) Methacrylonitrile	7.48	41	22952	22.221	ug/l	90
42) 1,2-Dichloroethane	8.40	62	63766	20.884	ug/l	100
43) Isopropyl Acetate	8.42	43	78346	23.620	ug/l	96
44) Trichloroethene	9.09	130	63439	19.907	ug/l	100
45) 1,2-Dichloropropane	9.37	63	53834	19.413	ug/l	98
46) Dibromomethane	9.46	93	28662	21.289	ug/l	98
47) Bromodichloromethane	9.64	83	65870	19.228	ug/l	96
48) Methyl methacrylate	9.43	41	39982	25.634	ug/l	92
49) 1,4-Dioxane	9.46	88	12046	596.072	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	215828	129.793	ug/l	99
52) Toluene	10.38	92	145412	19.976	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	68050	19.335	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	81720	19.096	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42978	21.358	ug/l	96
56) Ethyl methacrylate	10.65	69	59398	22.554	ug/l	97
57) 1,3-Dichloropropane	10.93	76	74888	21.326	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	141946	116.427	ug/l	100
59) 2-Hexanone	10.97	43	146963	128.459	ug/l	99
60) Dibromochloromethane	11.13	129	46922	20.535	ug/l	98
61) 1,2-Dibromoethane	11.23	107	41444	21.661	ug/l	99
64) Tetrachloroethene	10.86	164	60117	21.694	ug/l	99
65) Chlorobenzene	11.65	112	149574	19.612	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	50161	19.252	ug/l	98
67) Ethyl Benzene	11.73	91	276653	20.020	ug/l	100
68) m/p-Xylenes	11.83	106	211503	40.165	ug/l	99
69) o-Xylene	12.16	106	95815	19.571	ug/l	100
70) Styrene	12.18	104	167667	19.948	ug/l	99
71) Bromoform	12.35	173	28919	21.009	ug/l #	96
73) Isopropylbenzene	12.46	105	281610	20.384	ug/l	100
74) N-amyl acetate	12.27	43	67438	21.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51750	22.398	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	40455m	24.495	ug/l	
77) Bromobenzene	12.74	156	63493	19.395	ug/l	95
78) n-propylbenzene	12.80	91	318297	19.683	ug/l	99
79) 2-Chlorotoluene	12.89	91	182400	20.134	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	233425	20.101	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15579	21.166	ug/l	93
82) 4-Chlorotoluene	12.99	91	182740	19.128	ug/l	98
83) tert-Butylbenzene	13.21	119	204570	20.070	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	228405	19.765	ug/l	97
85) sec-Butylbenzene	13.38	105	288055	20.498	ug/l	100
86) p-Isopropyltoluene	13.50	119	264597	20.301	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	122202	19.395	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	122898	19.889	ug/l	99
89) n-Butylbenzene	13.82	91	234748	19.725	ug/l	99
90) Hexachloroethane	14.09	117	43359	19.802	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	109256	20.044	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9072	25.671	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013199.D
 Acq On : 20 Sep 2019 23:10
 Operator : SY/VA
 Sample : VW0920SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

Manual Integrations
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 9/24/2019 5:29:00 AM

Quant Time: Sep 21 05:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	75170	19.245	ug/l	99
94) Hexachlorobutadiene	15.23	225	51749	19.366	ug/l	96
95) Naphthalene	15.36	128	139120	21.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	65645	19.451	ug/l	98

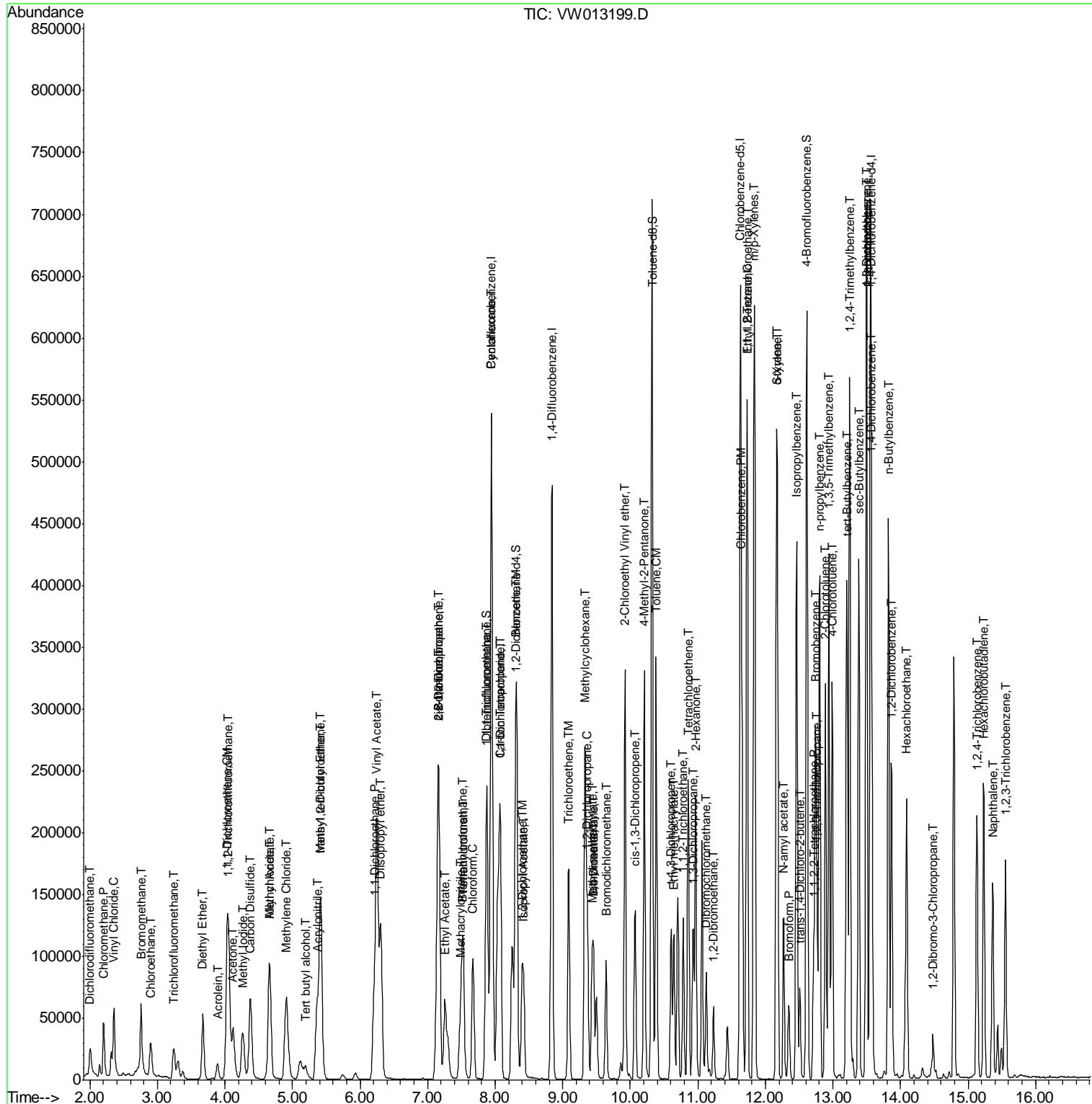
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013199.D
 Acq On : 20 Sep 2019 23:10
 Operator : SY/VA
 Sample : VW0920SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

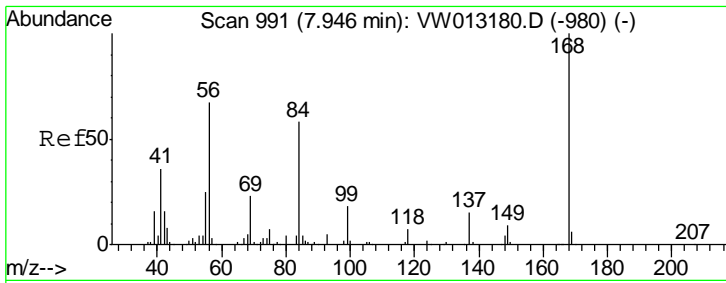
Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBS02

Manual Integrations
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 9/24/2019 5:29:00 AM

Quant Time: Sep 21 05:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
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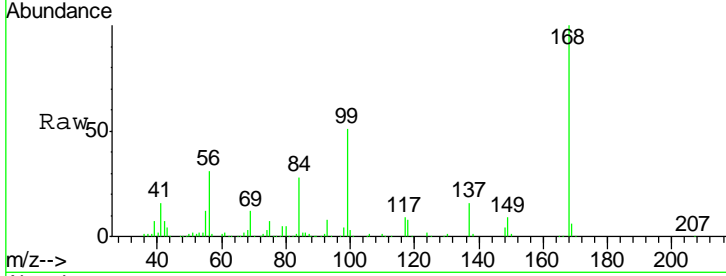


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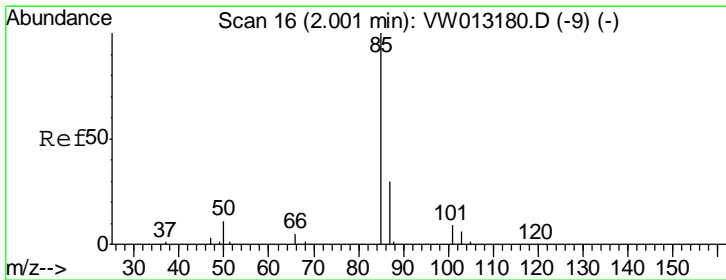
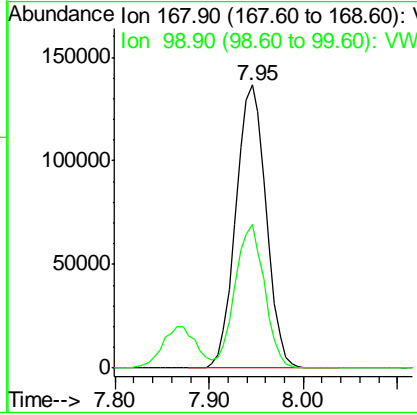
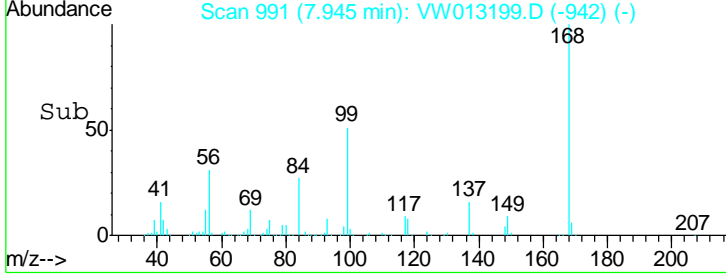
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 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

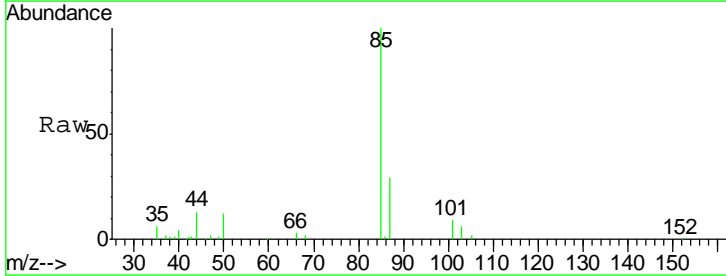


Tgt Ion: 168 Resp: 305634
 Ion Ratio Lower Upper
 168 100
 99 50.6 40.2 60.4

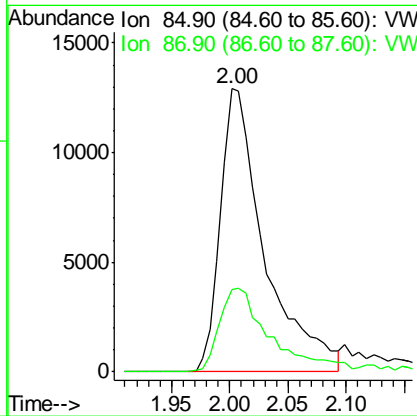
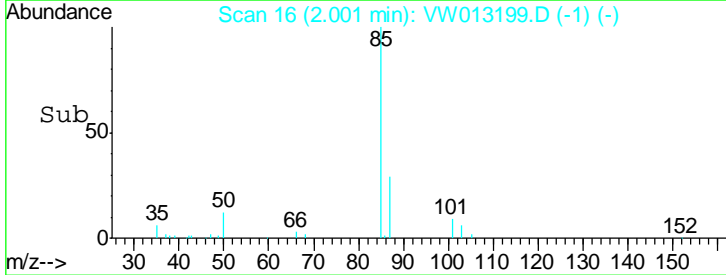
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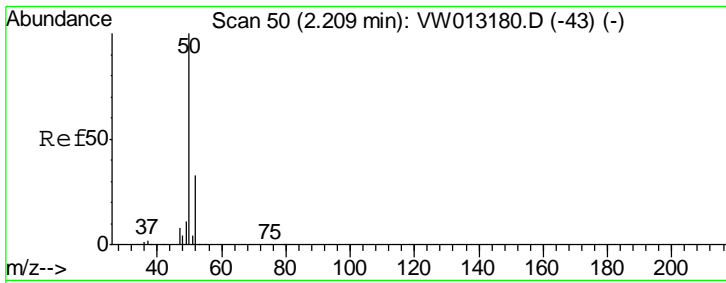


#2
 Dichlorodifluoromethane
 Concen: 19.273 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 85 Resp: 33979
 Ion Ratio Lower Upper
 85 100
 87 29.1 15.1 45.3



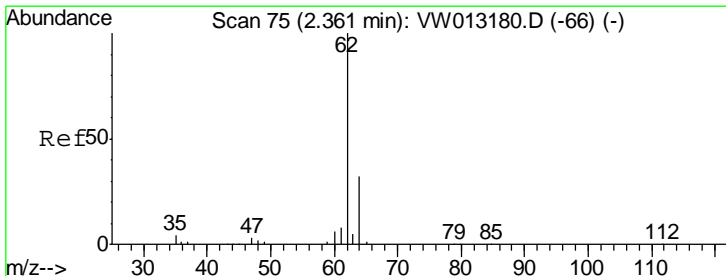
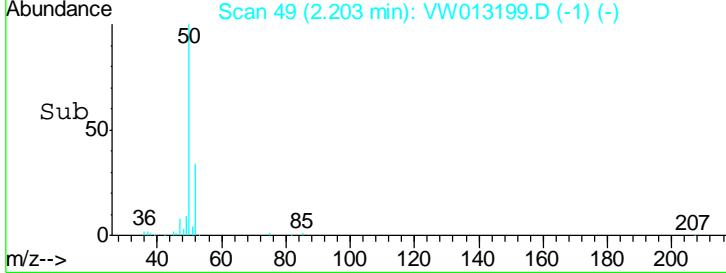
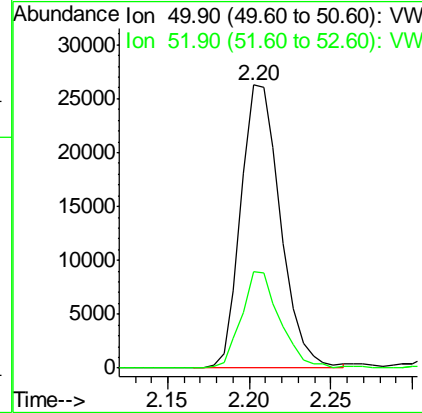
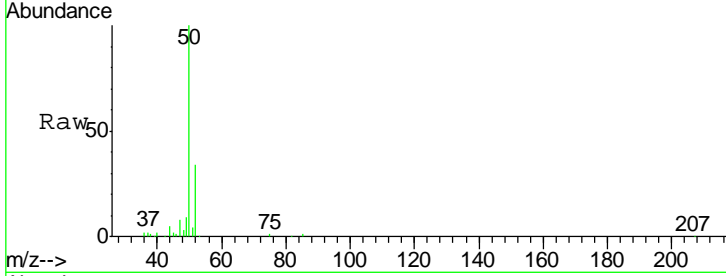


#3
 Chloromethane
 Concen: 19.597 ug/l
 RT: 2.20 min Scan# 49
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
50	44413		
52	33.9	26.1	39.1

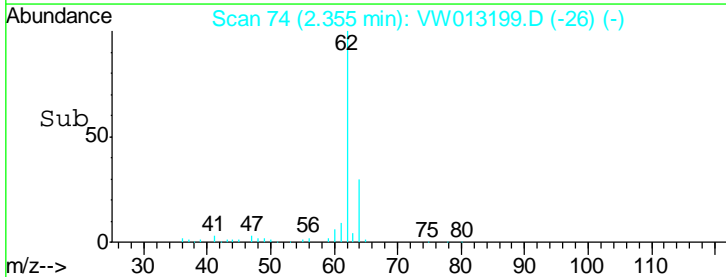
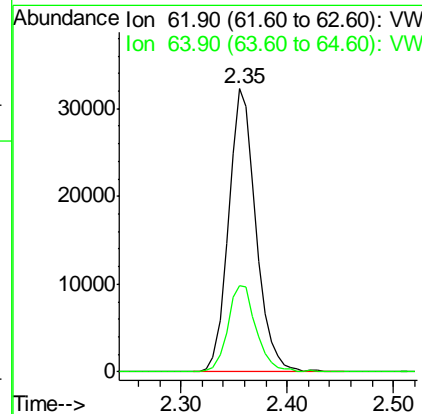
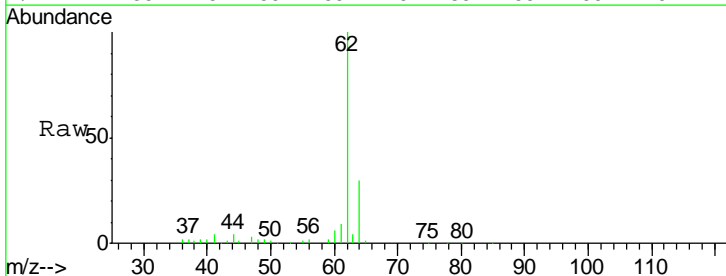
Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

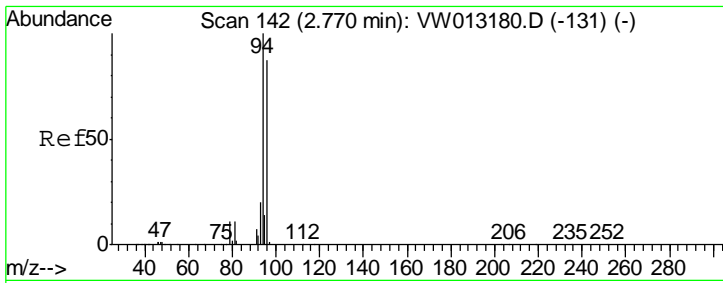
Manual Integrations APPROVED
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 9/24/2019 5:29:00 AM



#4
 Vinyl Chloride
 Concen: 19.802 ug/l
 RT: 2.35 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
62	57856		
64	30.4	25.3	37.9



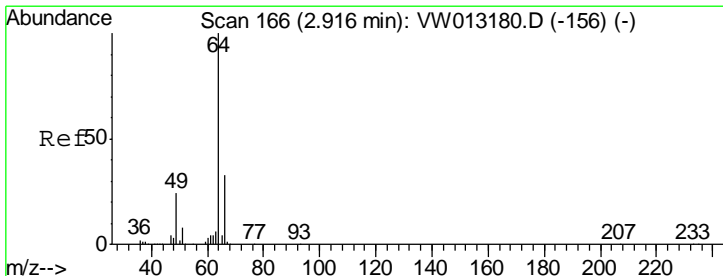
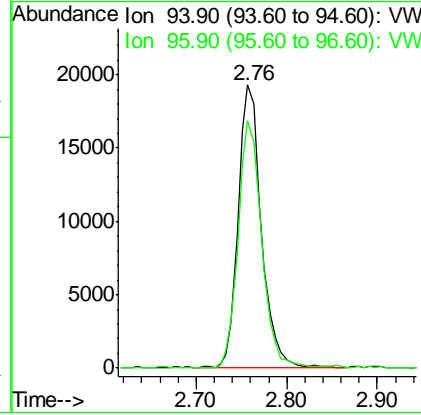
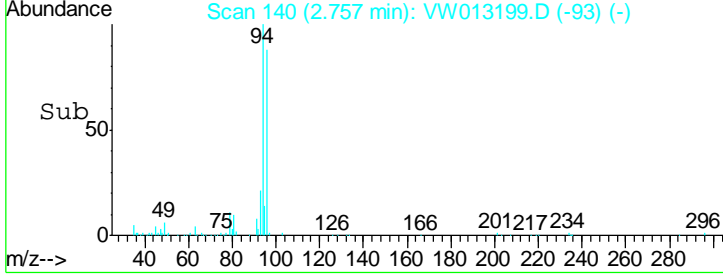
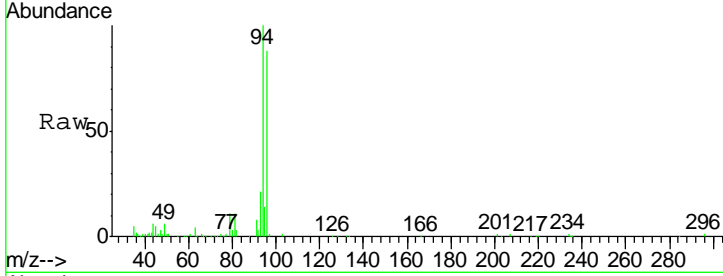


#5
 Bromomethane
 Concen: 18.562 ug/l
 RT: 2.76 min Scan# 140
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
94	100		
96	87.6	69.7	104.5

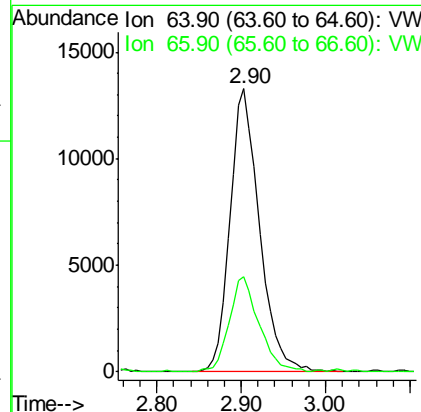
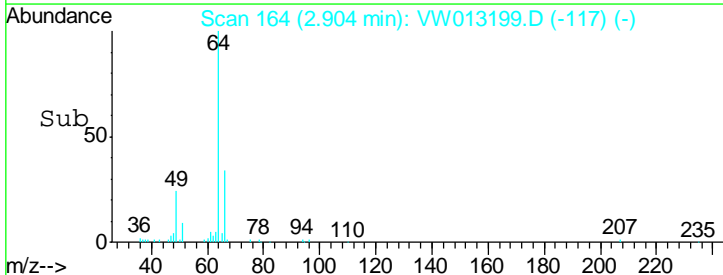
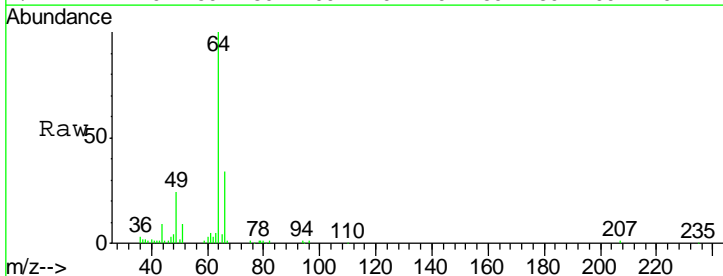
Instrument : MSVOA_W
 Client Sampled : VW0920SBS02

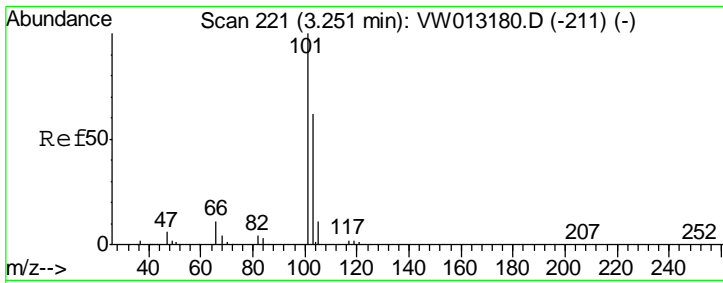
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#6
 Chloroethane
 Concen: 18.361 ug/l
 RT: 2.90 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
64	100		
66	33.8	26.6	39.8





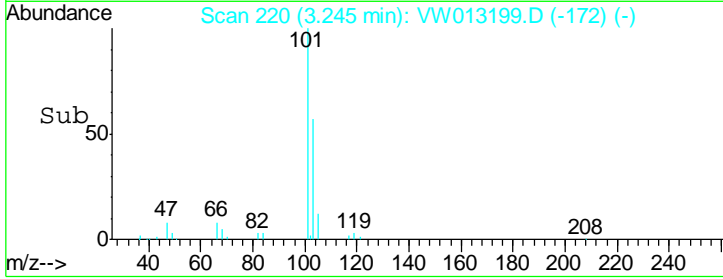
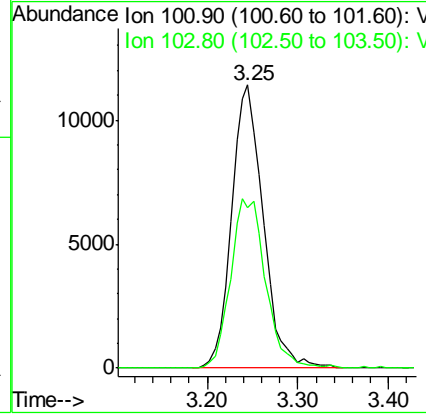
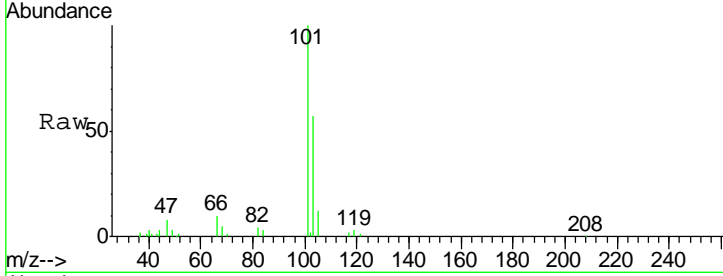
#7
 Trichlorofluoromethane
 Concen: 16.338 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

Tgt Ion	Resp	Lower	Upper
101	27526		
103	56.8	49.7	74.5

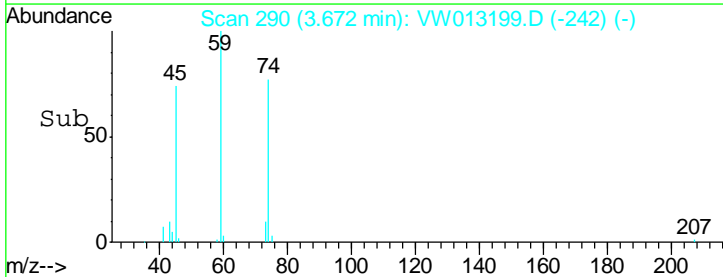
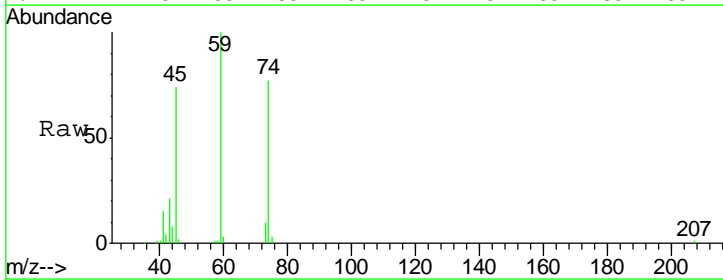
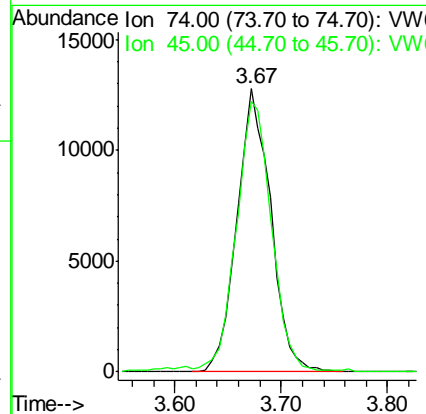
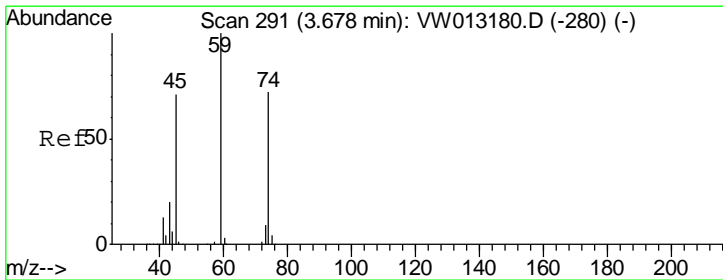
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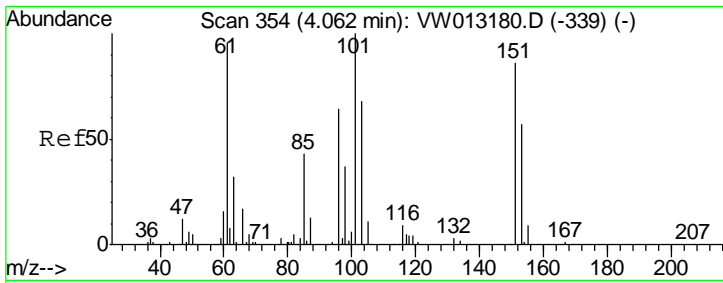
MMDadoda
 9/24/2019 5:29:00 AM



#8
 Diethyl Ether
 Concen: 19.813 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

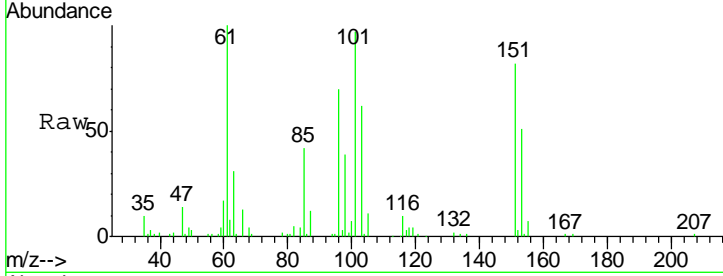
Tgt Ion	Resp	Lower	Upper
74	28511		
45	98.3	49.5	148.7





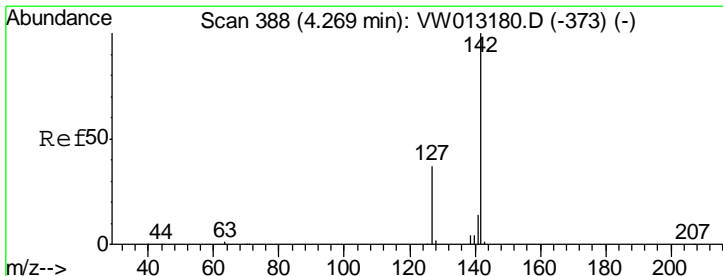
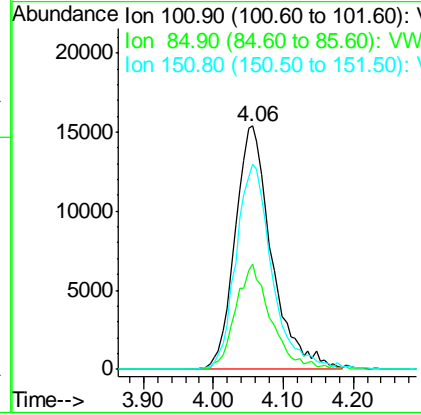
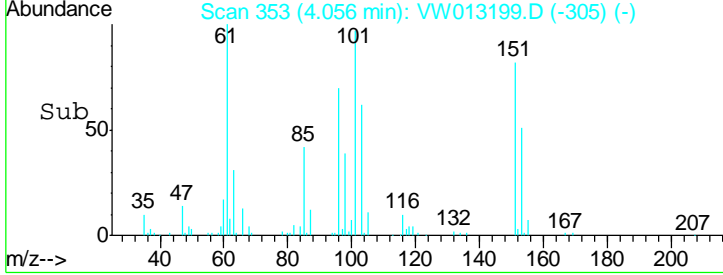
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.360 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

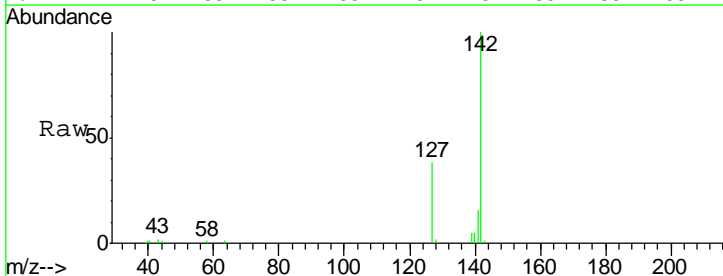


Tgt Ion	Resp	Lower	Upper
101	55846		
101	100		
85	41.5	33.4	50.0
151	82.8	66.9	100.3

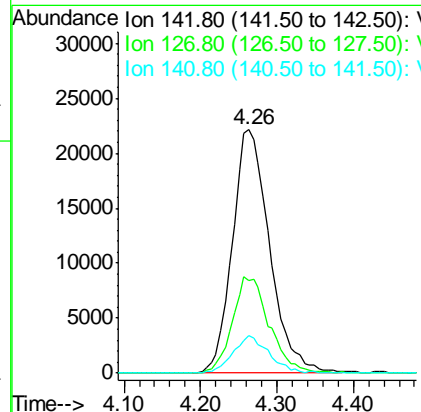
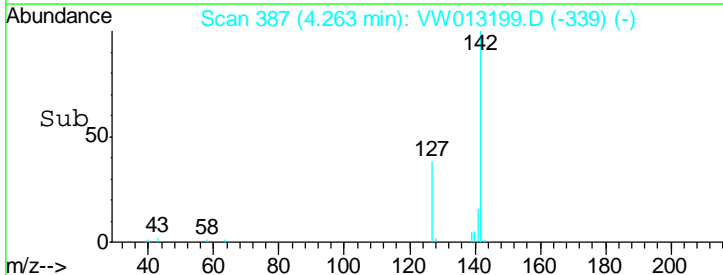
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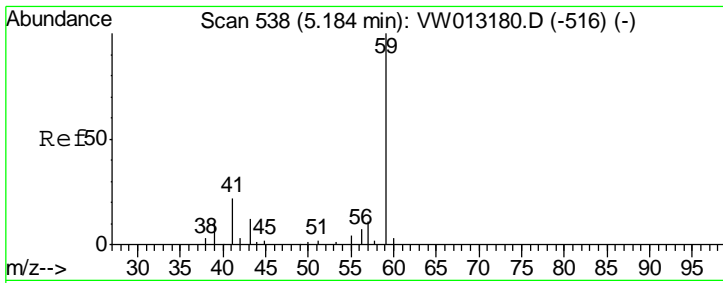


#10
 Methyl Iodide
 Concen: 17.569 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



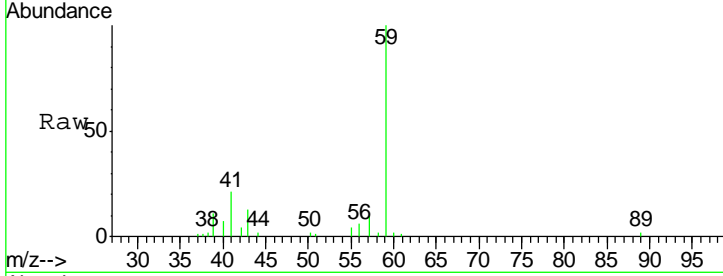
Tgt Ion	Resp	Lower	Upper
142	74714		
142	100		
127	39.2	30.9	46.3
141	14.8	11.7	17.5





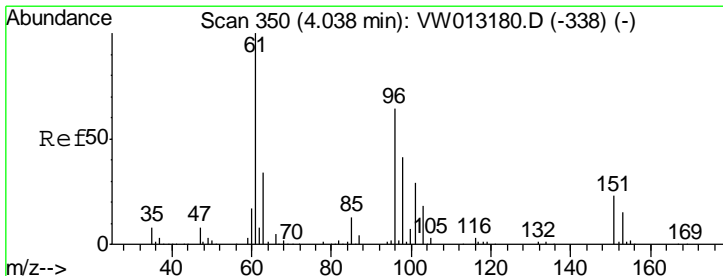
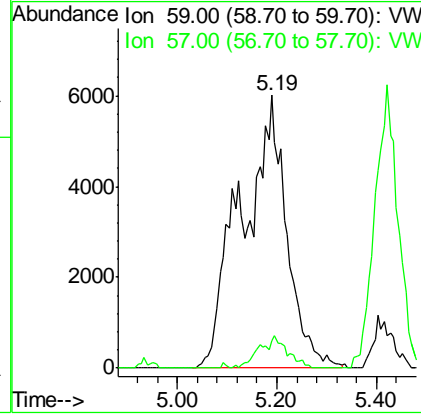
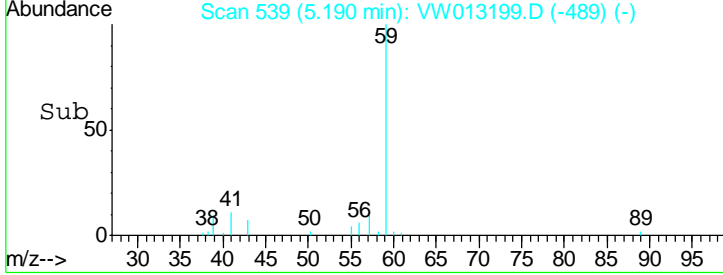
#11
 Tert butyl alcohol
 Concen: 207.529 ug/l m
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

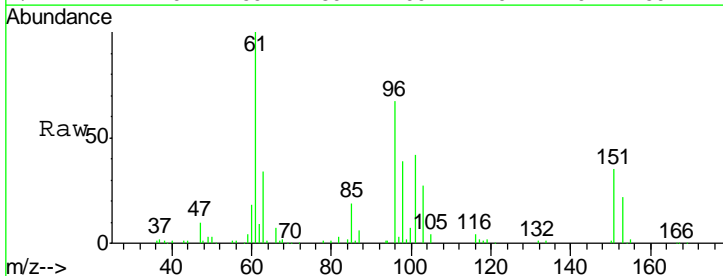


Tgt Ion: 59 Resp: 37573
 Ion Ratio Lower Upper
 59 100
 57 4.3 8.2 12.2#

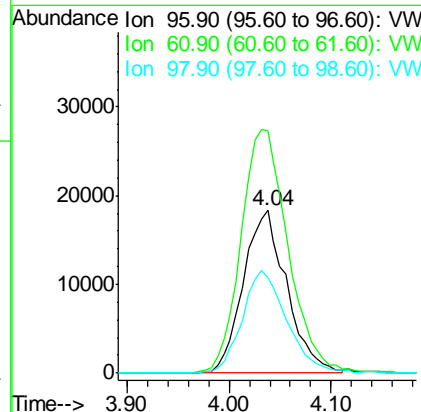
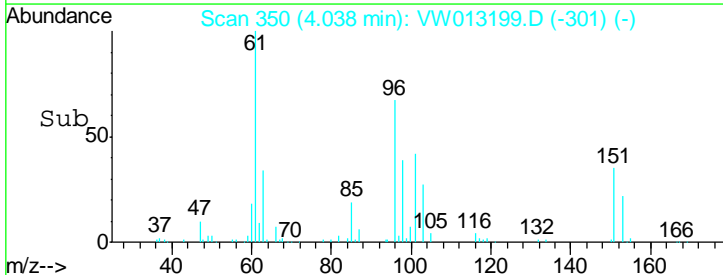
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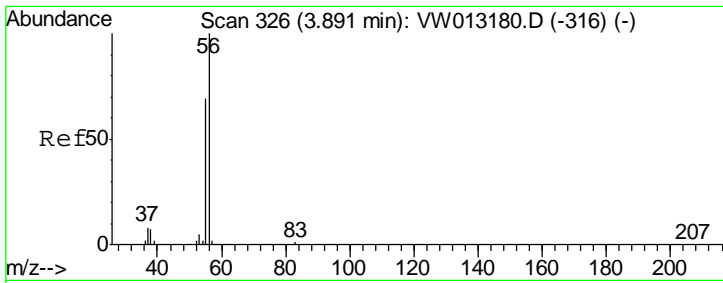


#12
 1,1-Dichloroethene
 Concen: 19.106 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 96 Resp: 54268
 Ion Ratio Lower Upper
 96 100
 61 149.0 125.1 187.7
 98 58.4 50.8 76.2



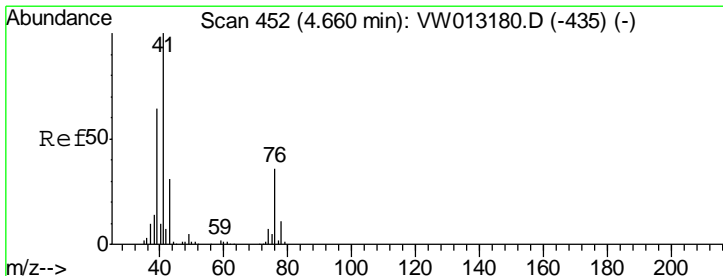
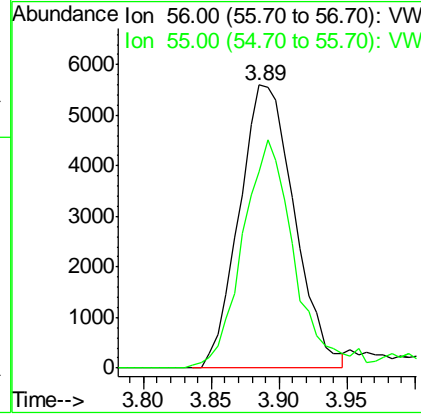
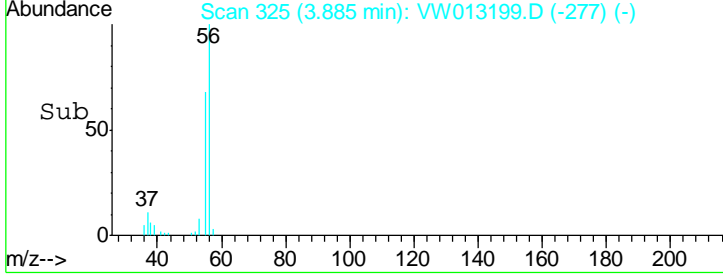
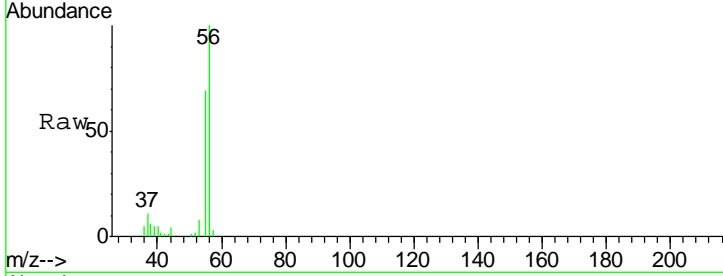


#13
 Acrolein
 Concen: 110.041 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
56	15801		
55	75.9	55.4	83.0

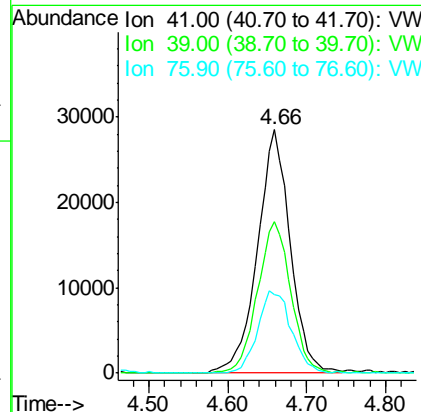
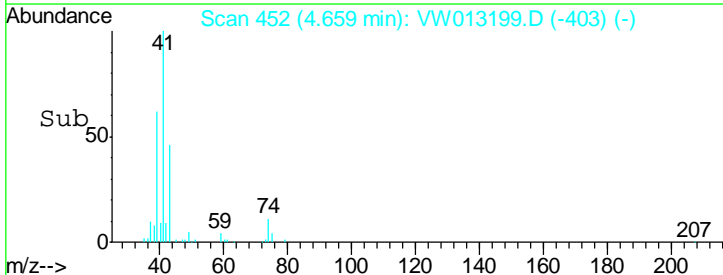
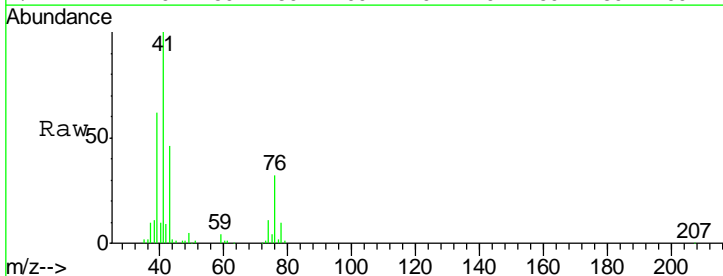
Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

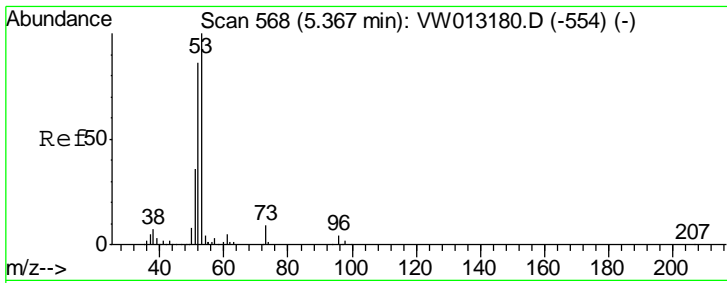
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#14
 Allyl chloride
 Concen: 18.251 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

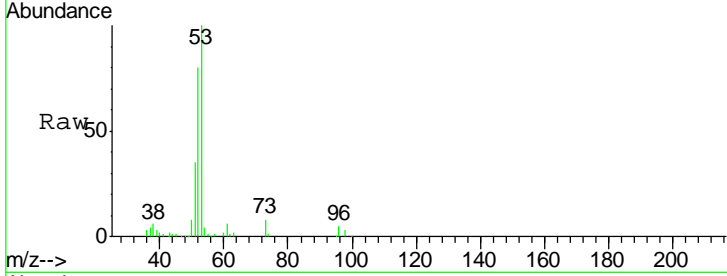
Tgt Ion	Resp	Lower	Upper
41	82500		
39	63.0	51.0	76.4
76	34.7	28.4	42.6





#15
 Acrylonitrile
 Concen: 124.140 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

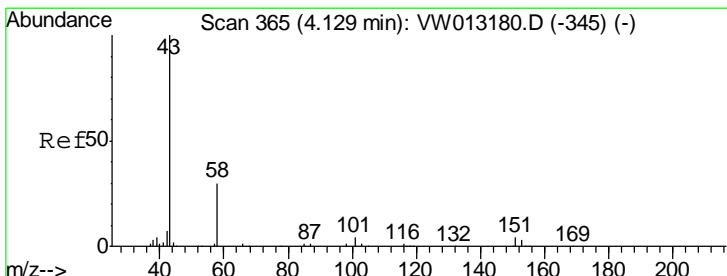
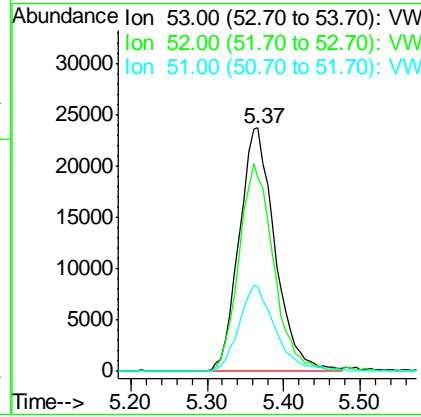
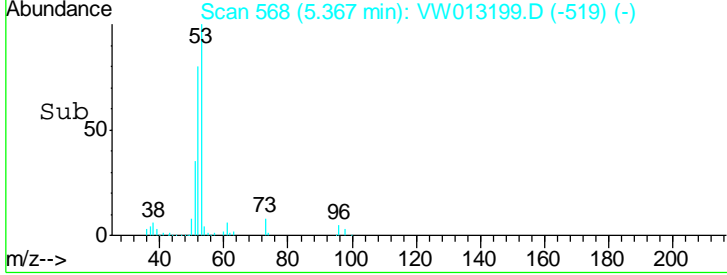
Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBS02



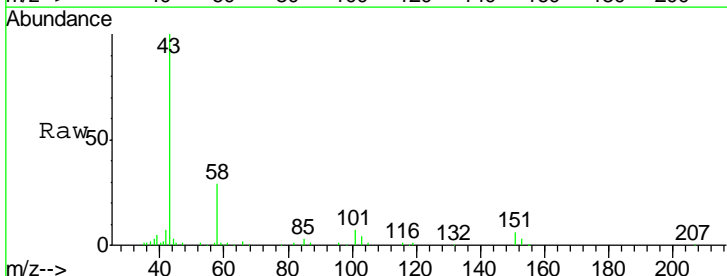
Tgt Ion: 53 Resp: 77105

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	35.9	29.0	43.4

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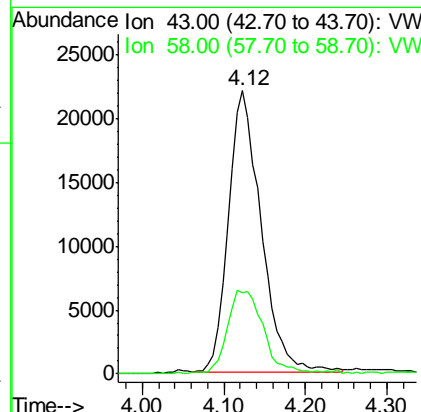
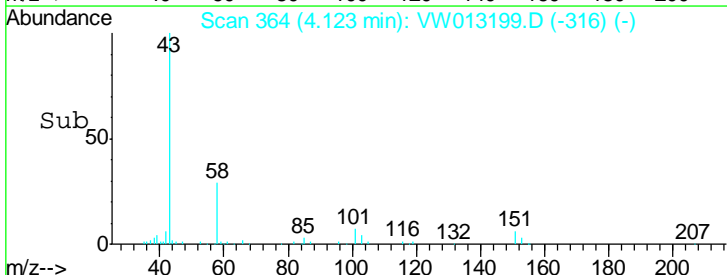


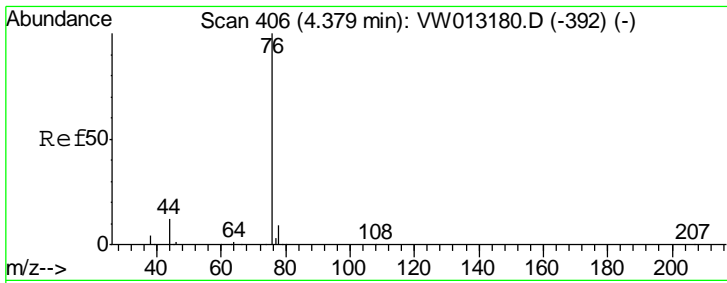
#16
 Acetone
 Concen: 108.144 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 43 Resp: 60833

Ion	Ratio	Lower	Upper
43	100		
58	28.8	24.1	36.1





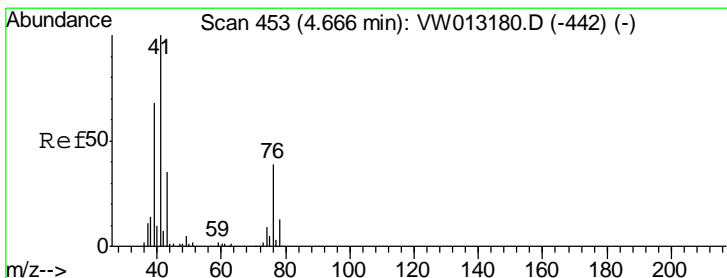
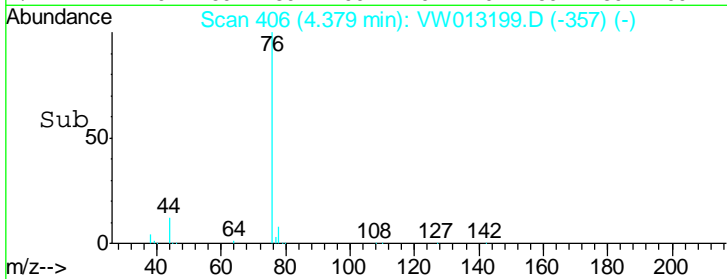
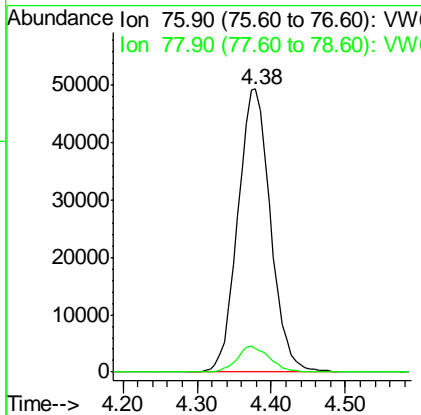
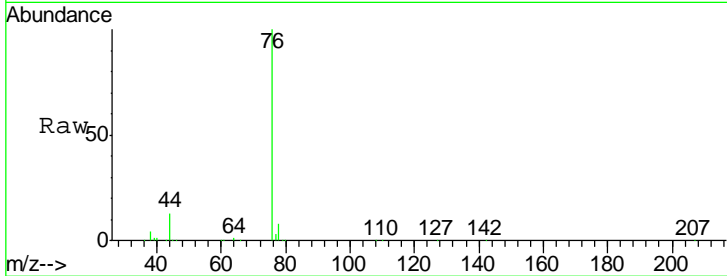
#17
 Carbon Disulfide
 Concen: 18.515 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

Tgt Ion	Resp	Lower	Upper
76	151999		
76	100		
78	8.3	7.0	10.4

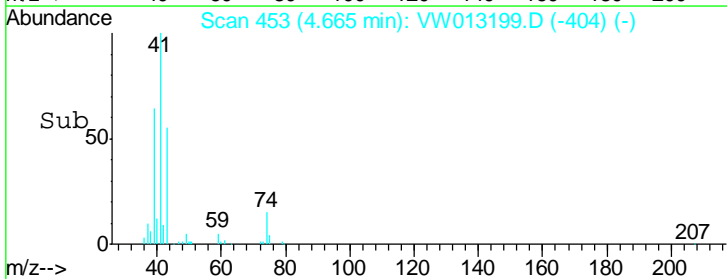
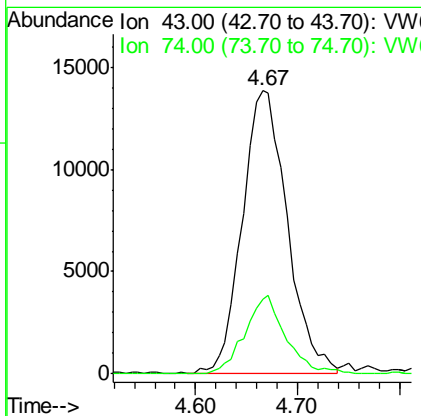
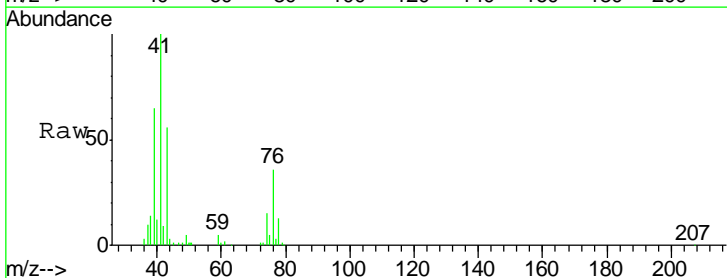
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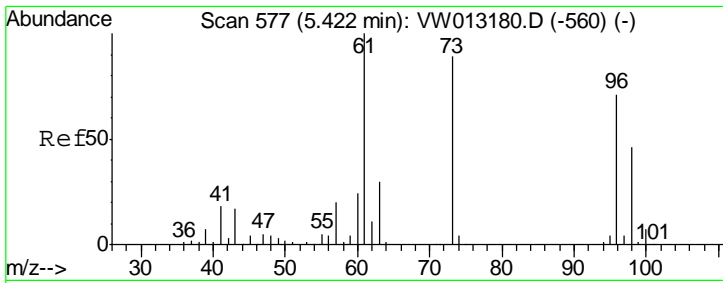
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#18
 Methyl Acetate
 Concen: 26.890 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
43	42519		
43	100		
74	25.1	19.3	28.9



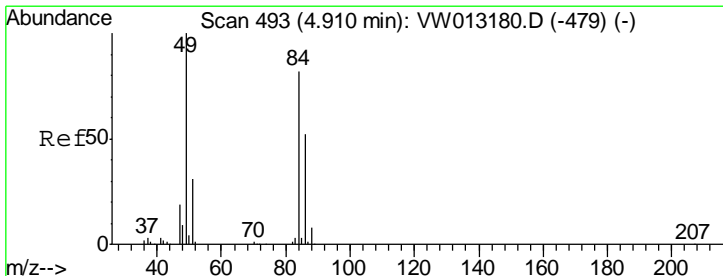
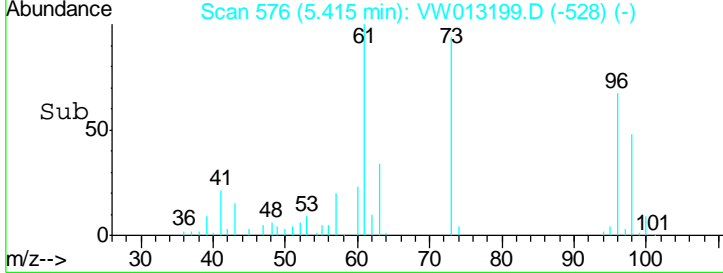
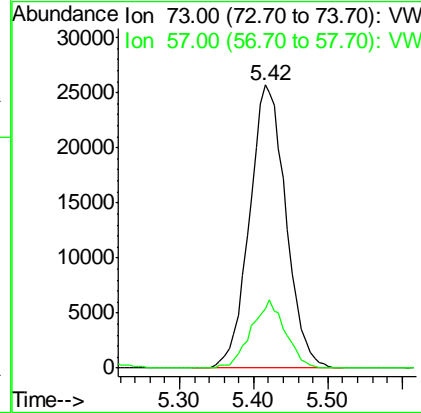
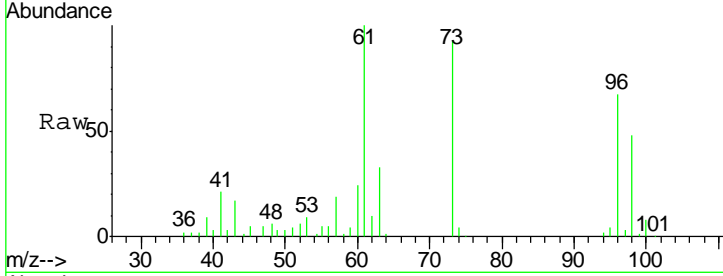


#19
 Methyl tert-butyl Ether
 Concen: 20.165 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
73	100		
57	20.8	17.6	26.4

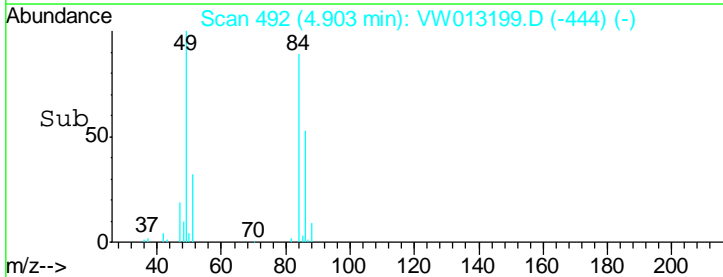
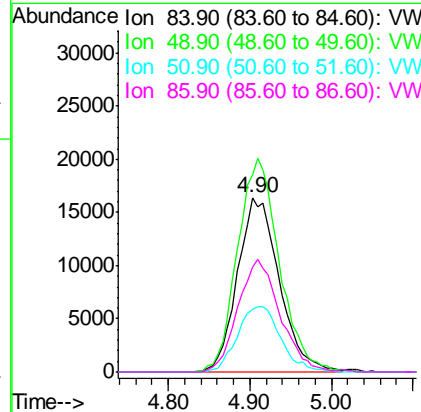
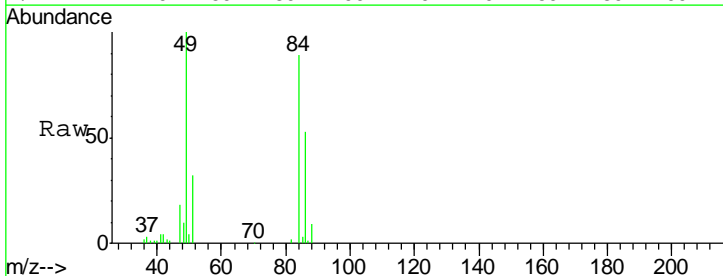
Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBS02

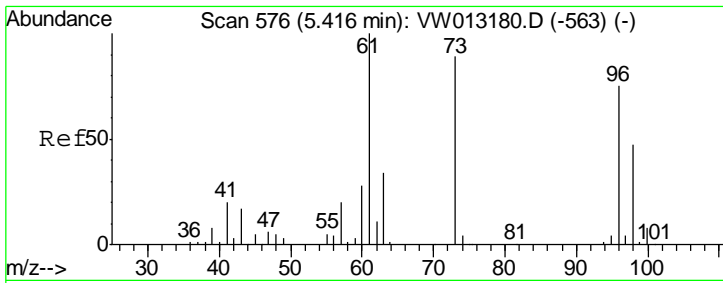
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#20
 Methylene Chloride
 Concen: 18.444 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

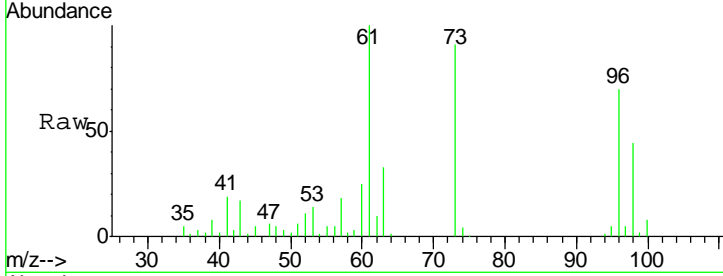
Tgt Ion	Resp	Lower	Upper
84	100		
49	112.5	97.6	146.4
51	35.9	30.2	45.2
86	59.9	50.6	76.0





#21
 trans-1,2-Dichloroethene
 Concen: 18.466 ug/l
 RT: 5.41 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

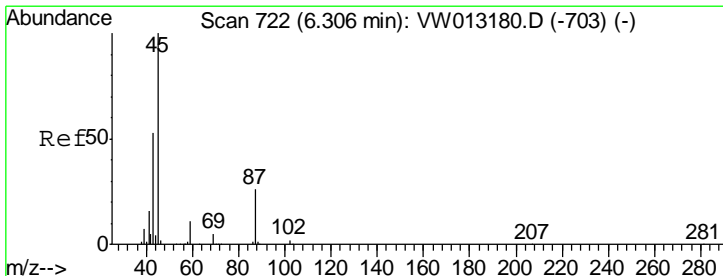
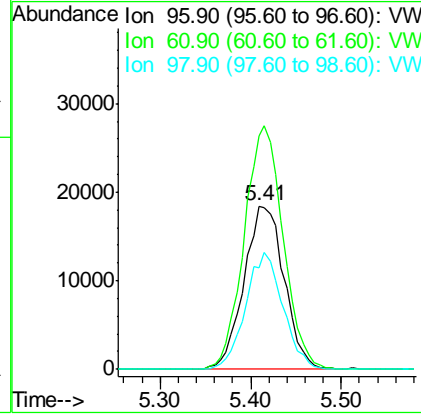
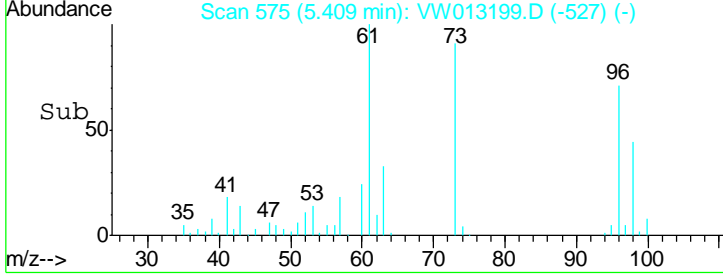
Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBS02



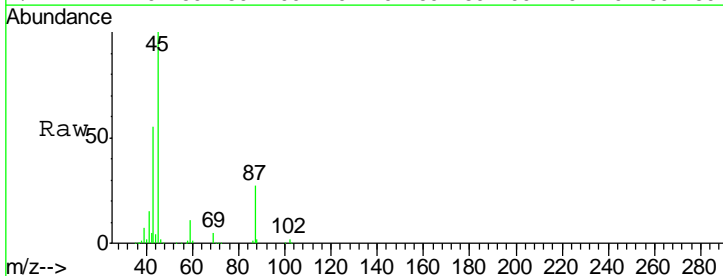
Tot Ion: 96 Resp: 56687

Ion	Ratio	Lower	Upper
96	100		
61	142.7	106.6	159.8
98	62.3	49.8	74.8

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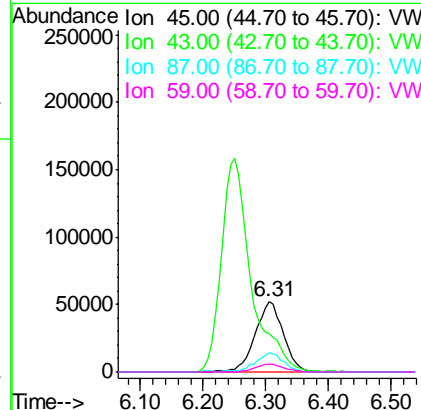
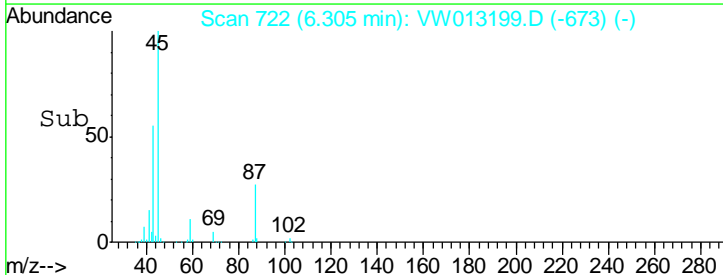


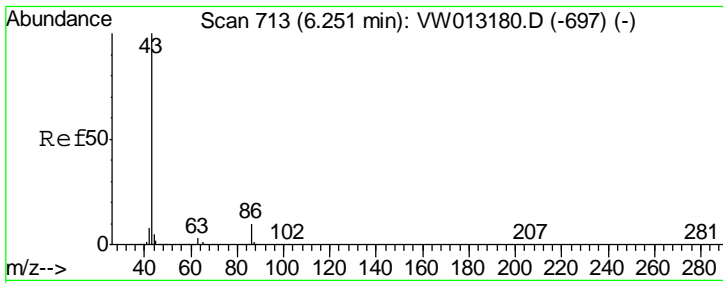
#22
 Diisopropyl ether
 Concen: 18.785 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 45 Resp: 161472

Ion	Ratio	Lower	Upper
45	100		
43	55.1	42.4	63.6
87	27.0	20.4	30.6
59	11.5	8.8	13.2



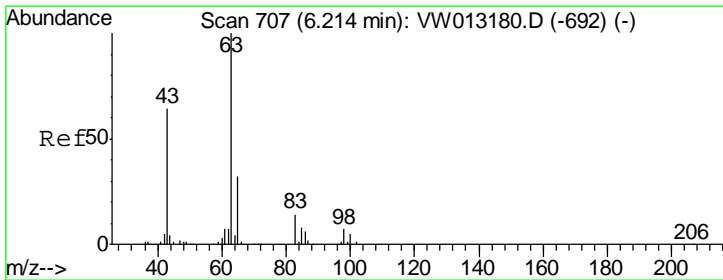
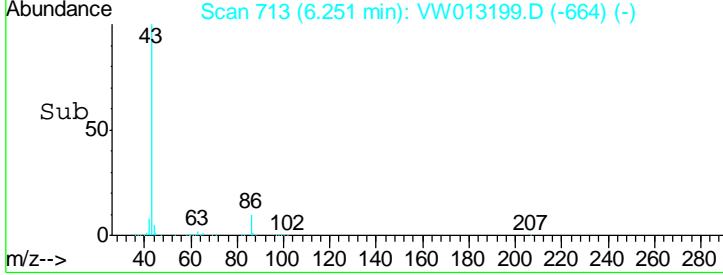
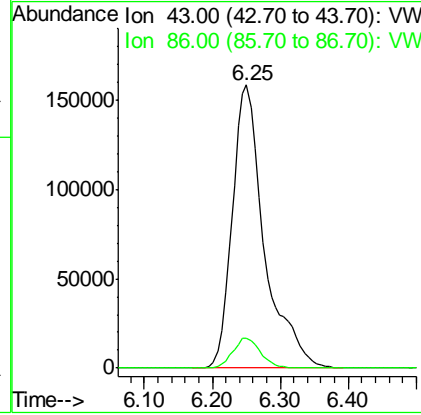
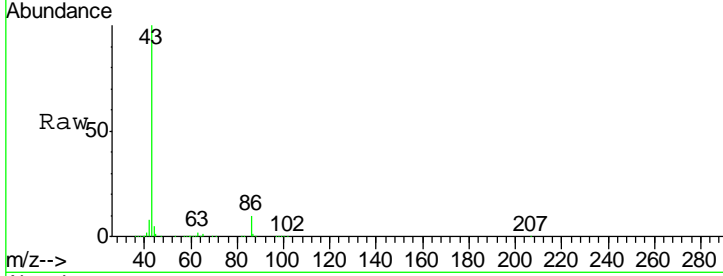


#23
 Vinyl Acetate
 Concen: 101.776 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.4	8.3	12.5

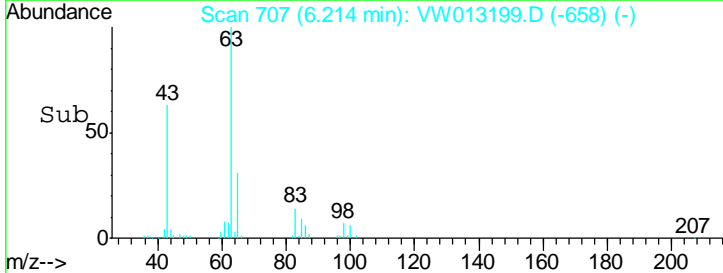
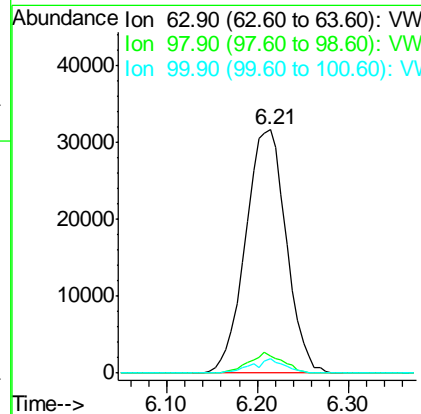
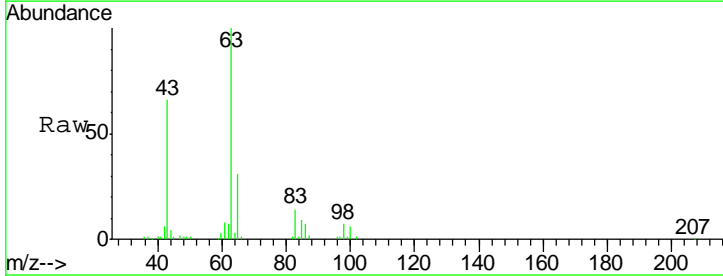
Instrument : MSVOA_W
 Client Sampled : VW0920SBS02

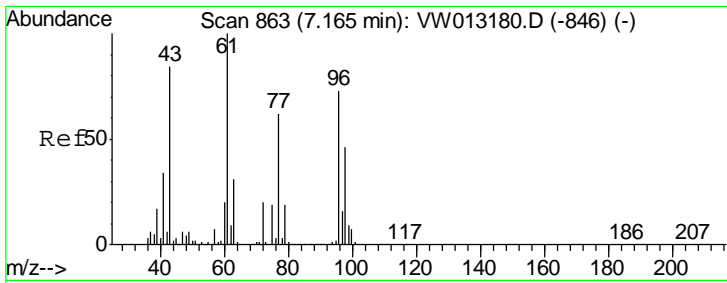
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#24
 1,1-Dichloroethane
 Concen: 18.940 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	6.0	2.4	7.1



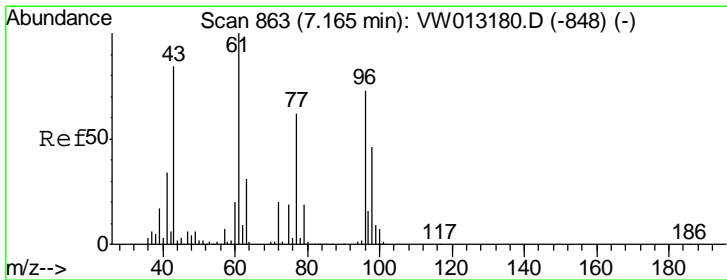
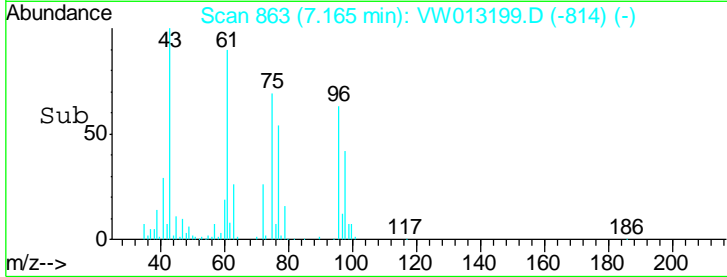
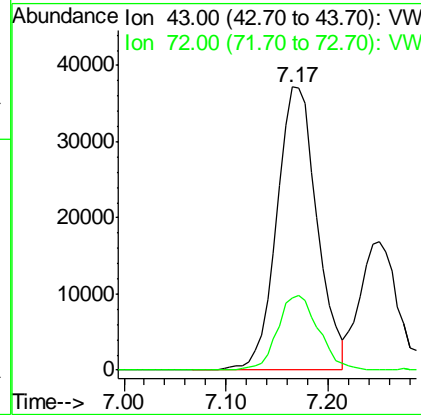
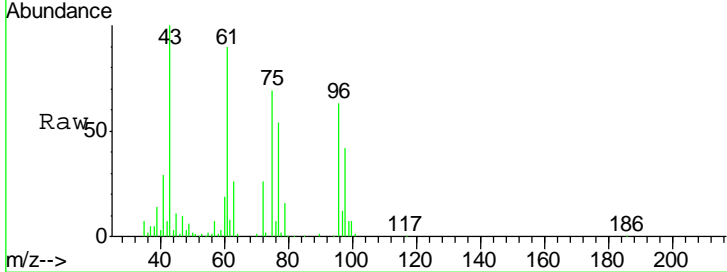


#25
 2-Butanone
 Concen: 120.598 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.6	19.4	29.0

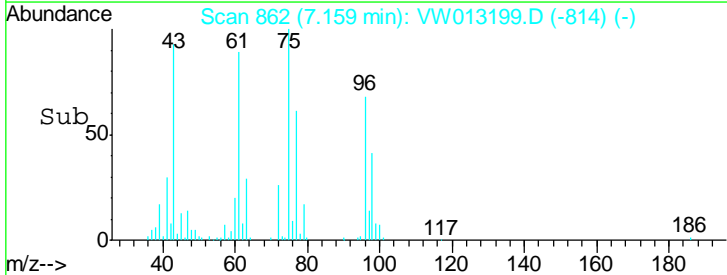
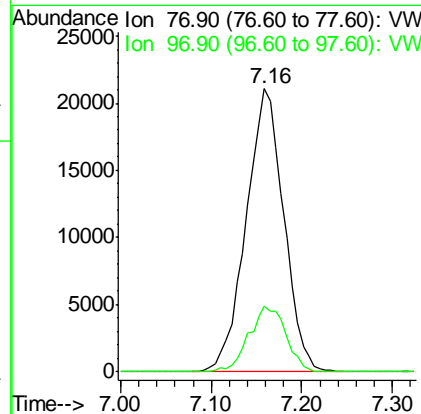
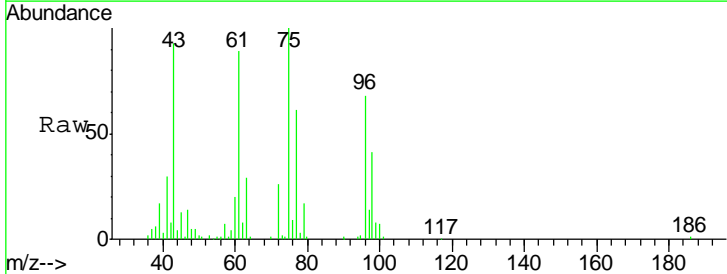
Instrument : MSVOA_W
 Client Sampled : VW0920SBS02

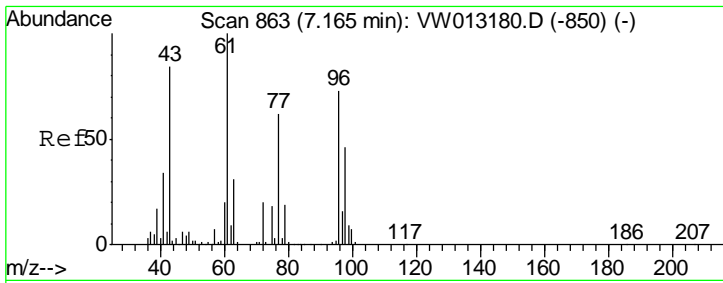
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#26
 2,2-Dichloropropane
 Concen: 17.366 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

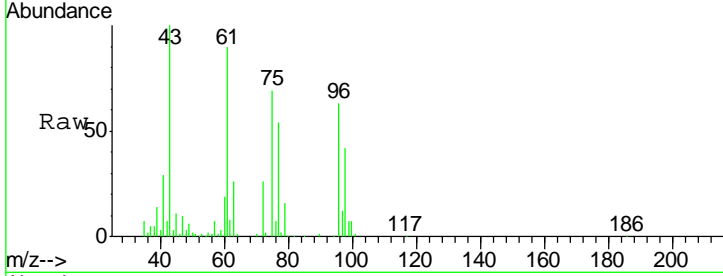
Tgt Ion	Resp	Lower	Upper
77	100		
97	22.7	11.8	35.4





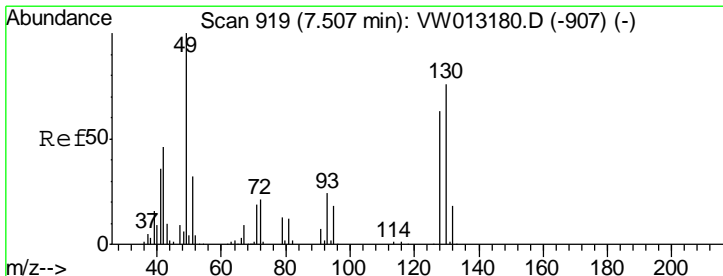
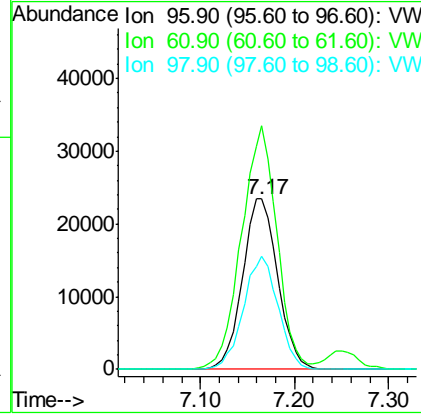
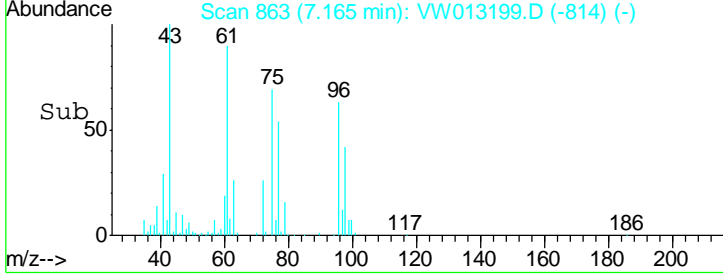
#27
 cis-1,2-Dichloroethene
 Concen: 18.776 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBS02



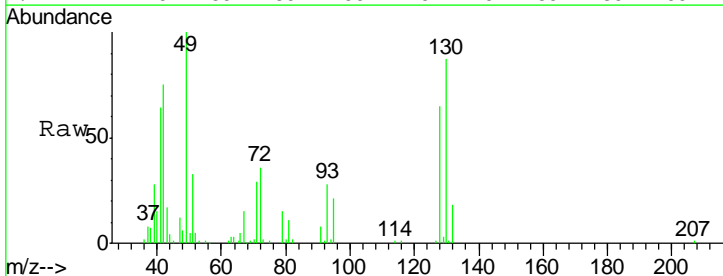
Tgt Ion	Resp	Lower	Upper
96	60830		
96	100		
61	143.7	0.0	282.4
98	65.0	0.0	128.2

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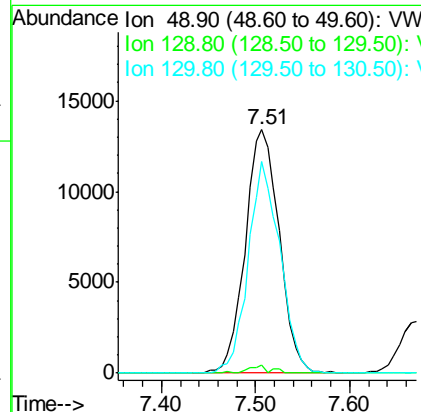
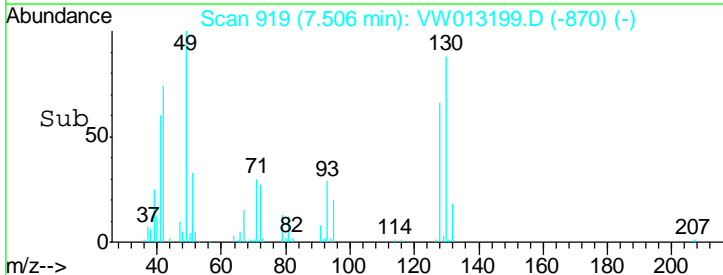


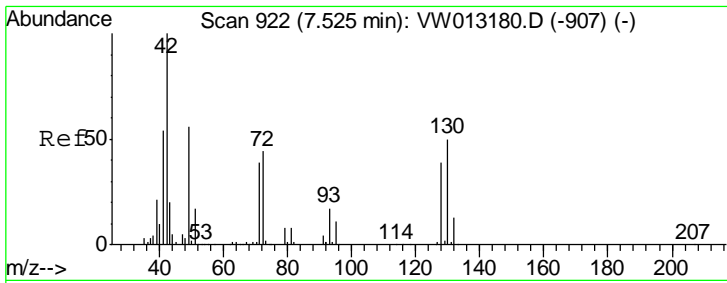
#28
 Bromochloromethane
 Concen: 16.913 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

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Tgt Ion	Resp	Lower	Upper
49	33669		
49	100		
129	1.9	0.0	1.0#
130	81.4	63.4	95.2



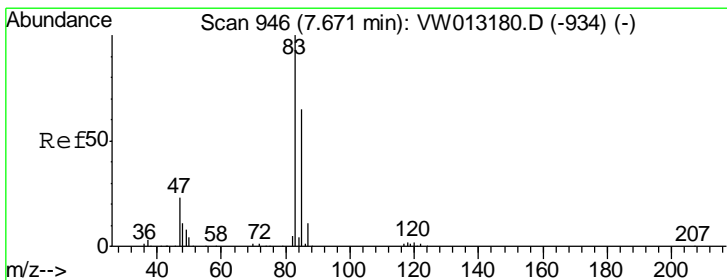
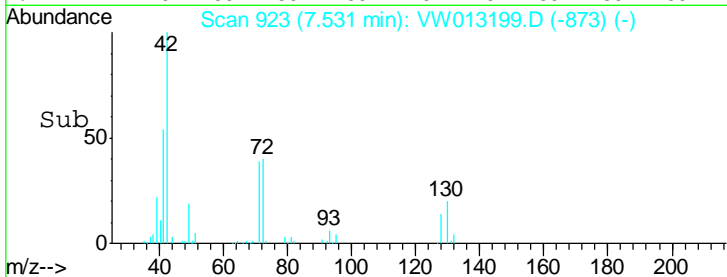
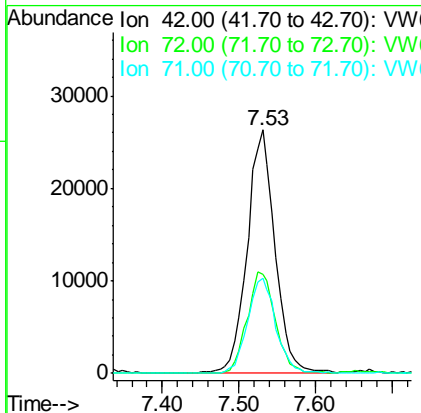
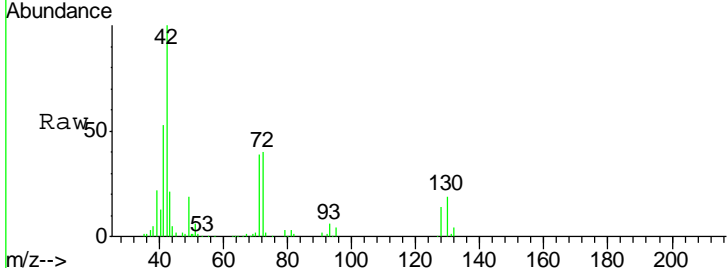


#29
 Tetrahydrofuran
 Concen: 128.905 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.3	33.9	50.9
71	39.7	31.9	47.9

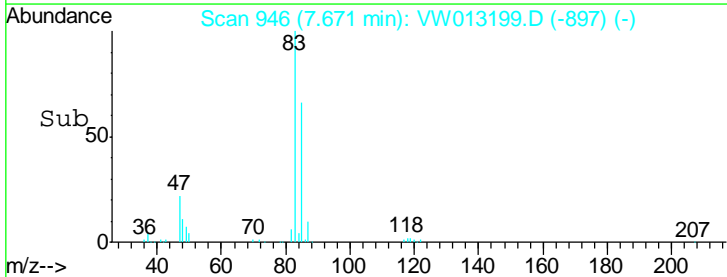
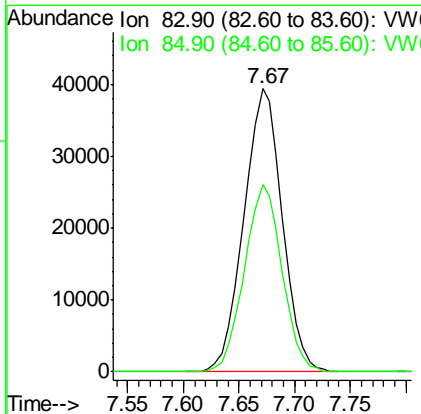
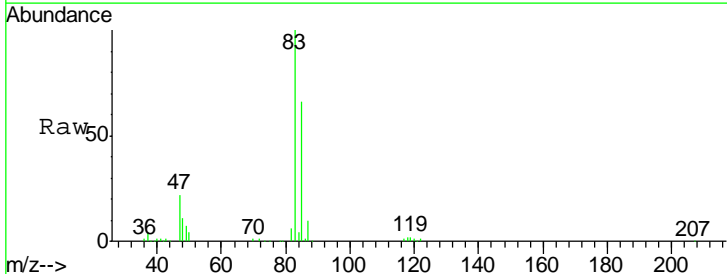
Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

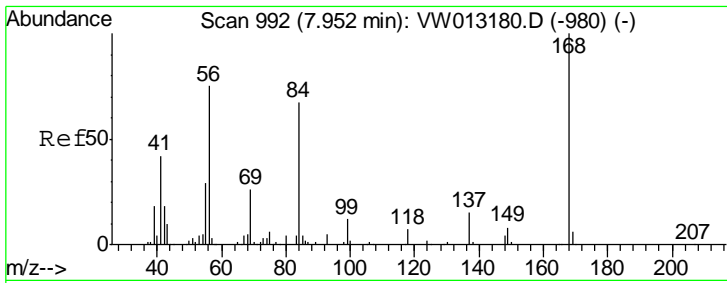
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#30
 Chloroform
 Concen: 18.561 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
83	100		
85	66.0	52.3	78.5



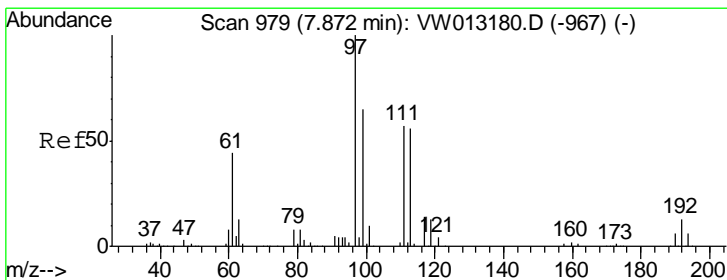
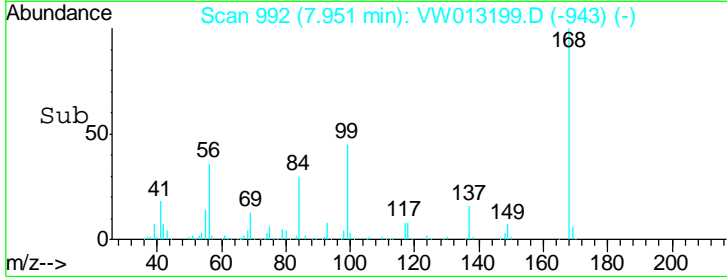
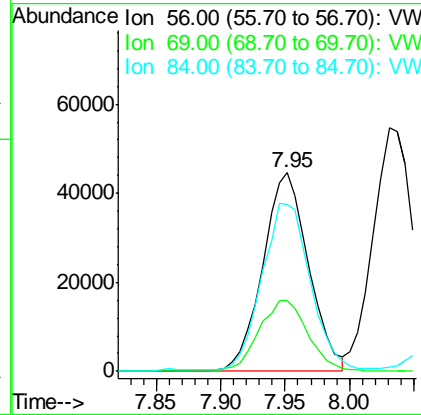
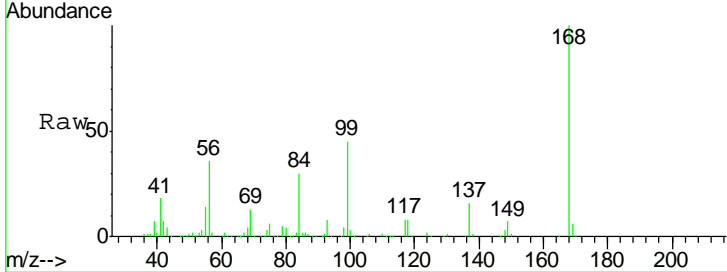


#31
 Cyclohexane
 Concen: 20.312 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

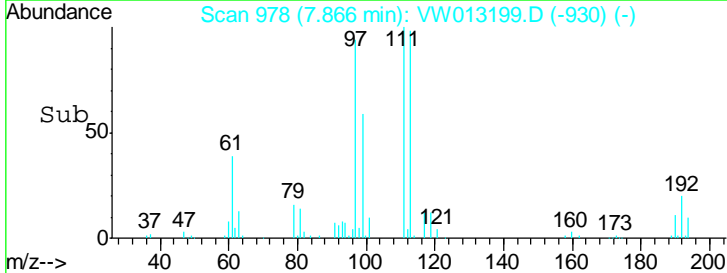
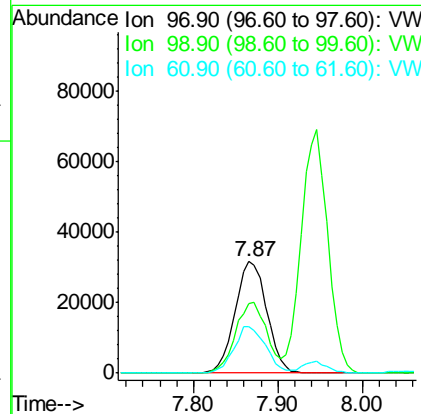
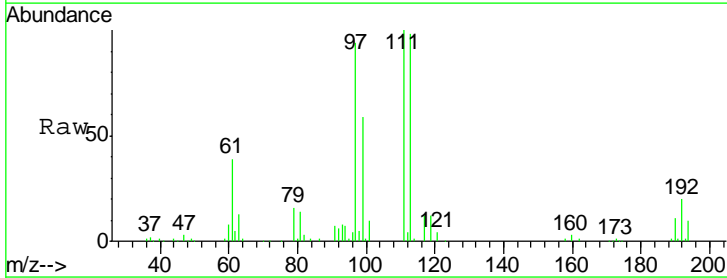
Tgt Ion	Resp	Lower	Upper
56	109825		
56	100		
69	35.8	27.2	40.8
84	83.4	70.8	106.2

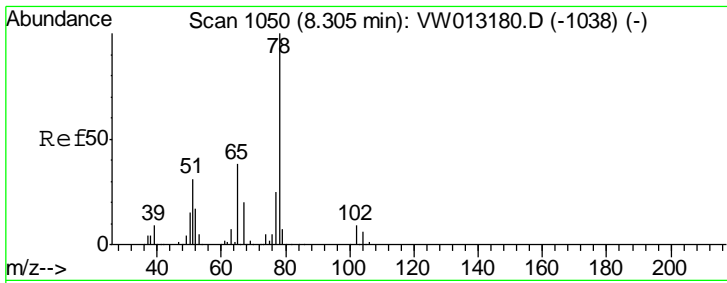
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#32
 1,1,1-Trichloroethane
 Concen: 19.603 ug/l
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
97	80626		
97	100		
99	62.9	51.7	77.5
61	41.8	34.6	51.8



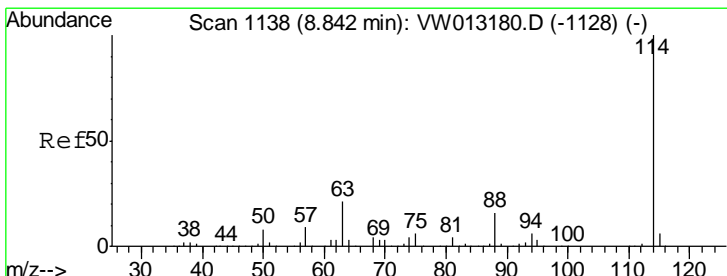
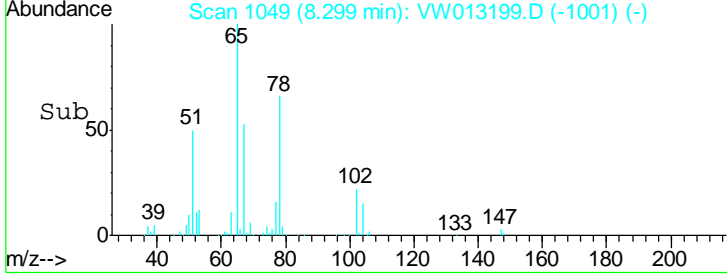
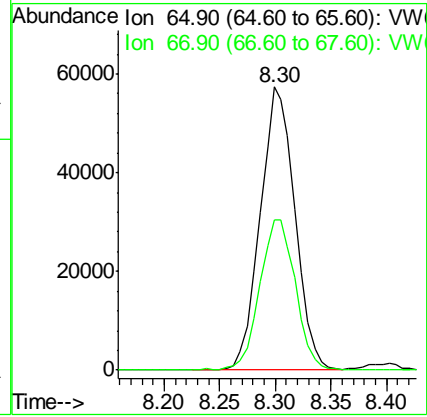
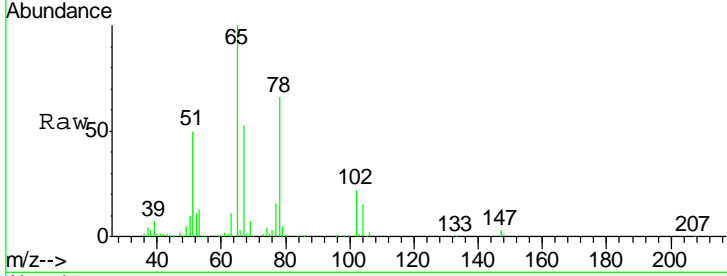


#33
 1,2-Dichloroethane-d4
 Concen: 49.922 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

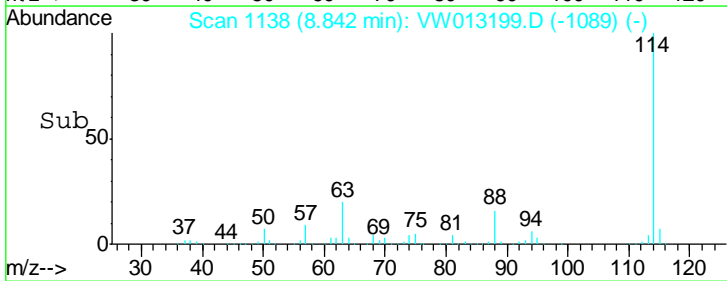
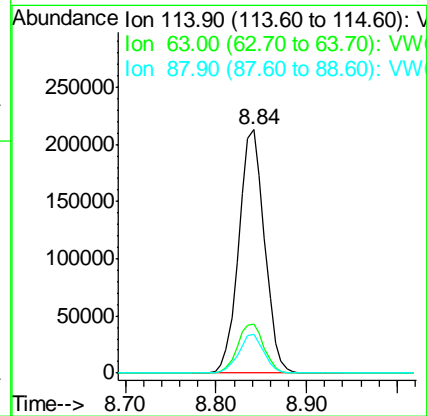
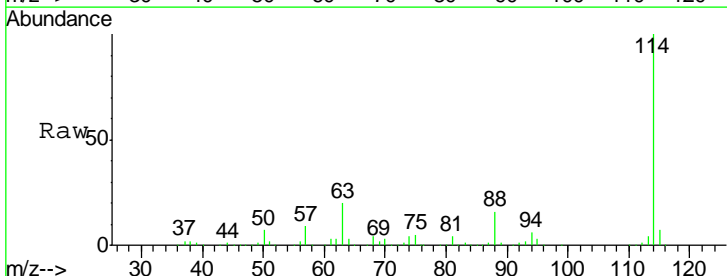
Tgt Ion	Resp	Lower	Upper
65	124526		
65	100		
67	54.5	0.0	106.2

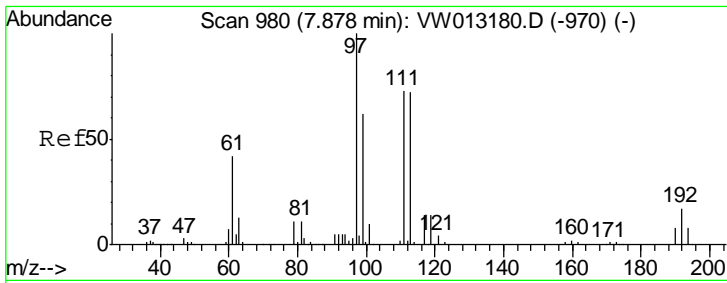
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

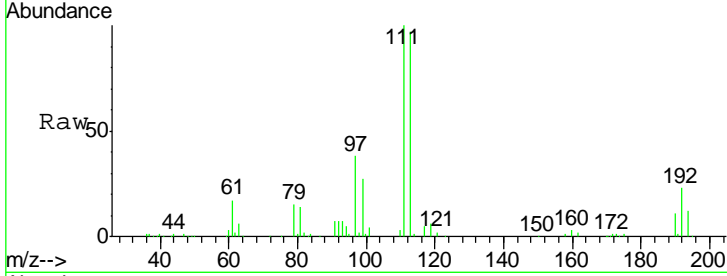
Tgt Ion	Resp	Lower	Upper
114	420425		
114	100		
63	20.0	0.0	41.4
88	15.7	0.0	32.0





#35
 Dibromofluoromethane
 Concen: 50.628 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

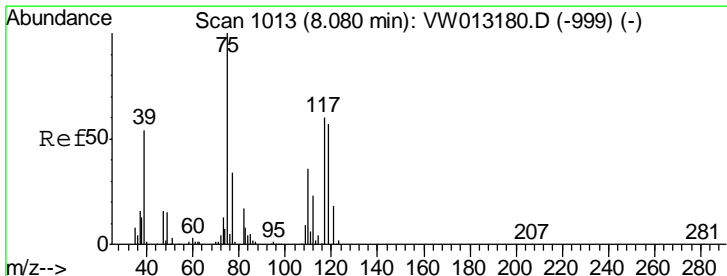
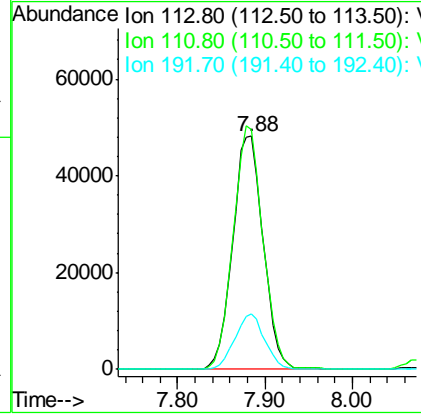
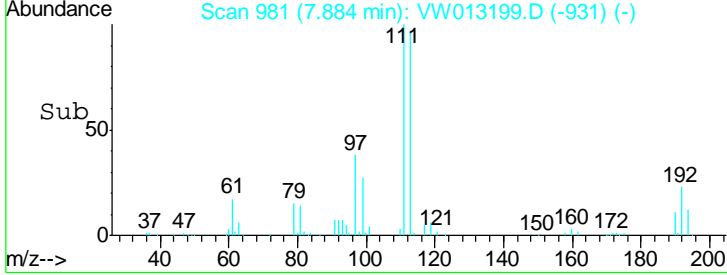
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02



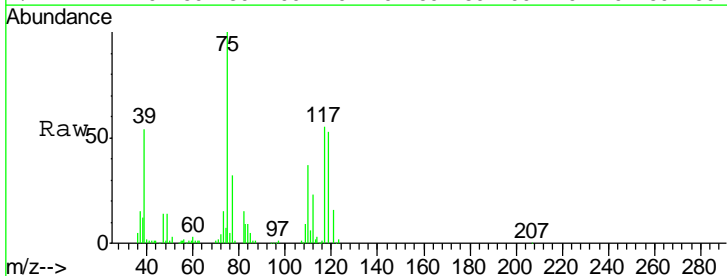
Tgt Ion: 113 Resp: 117069

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.9	122.9
192	23.1	19.1	28.7

Manual Integrations
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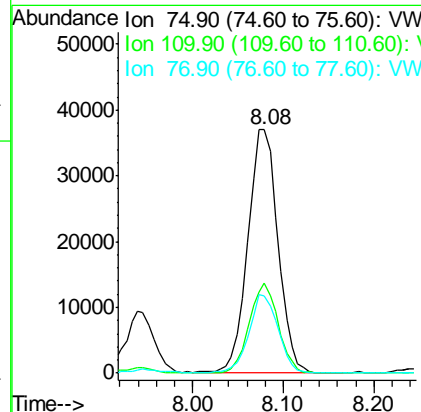
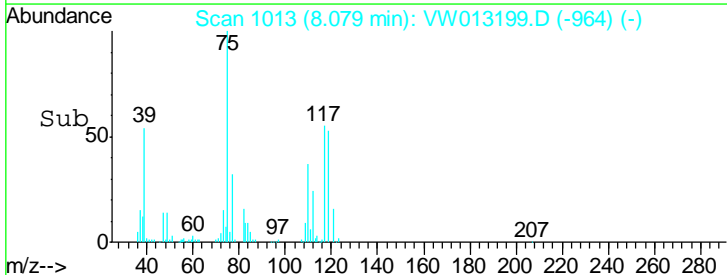


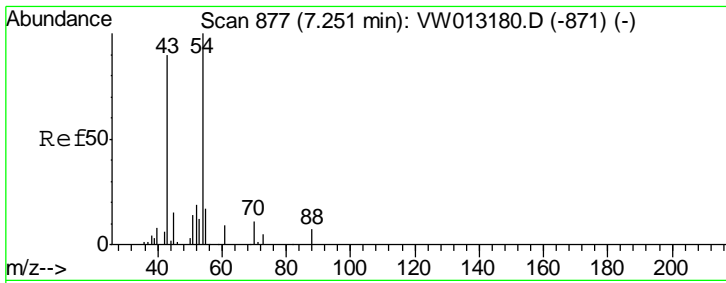
#36
 1,1-Dichloropropene
 Concen: 20.980 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 75 Resp: 85433

Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.1	54.3
77	31.3	25.8	38.6



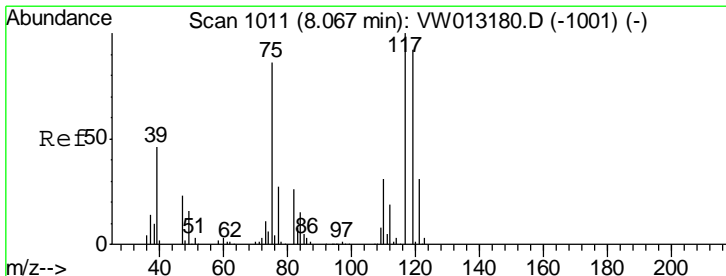
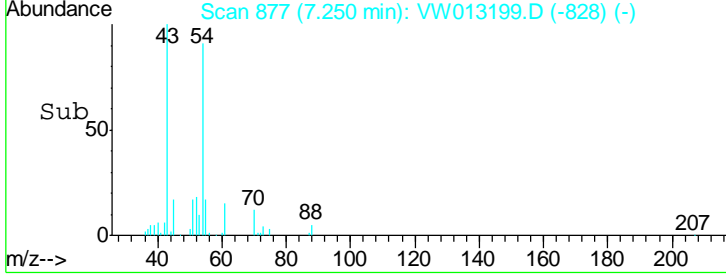
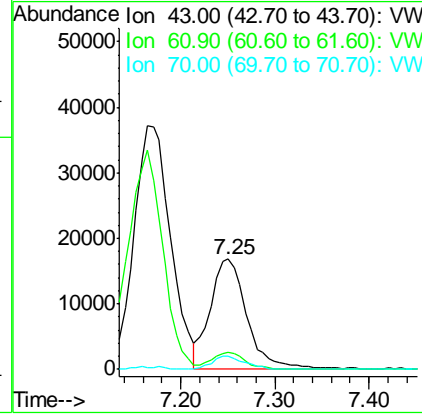
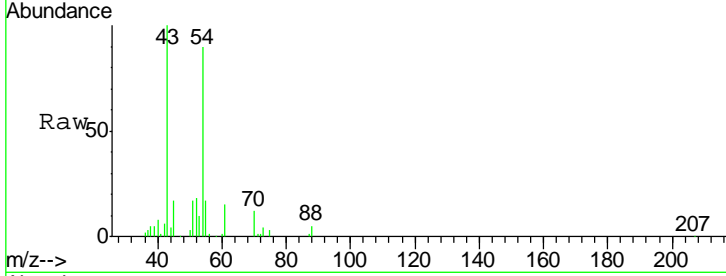


#37
 Ethyl Acetate
 Concen: 25.899 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	11.0	8.2	12.2

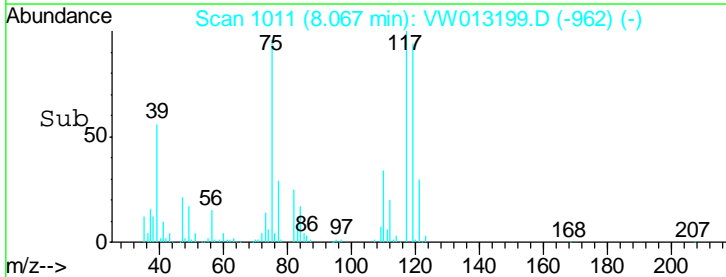
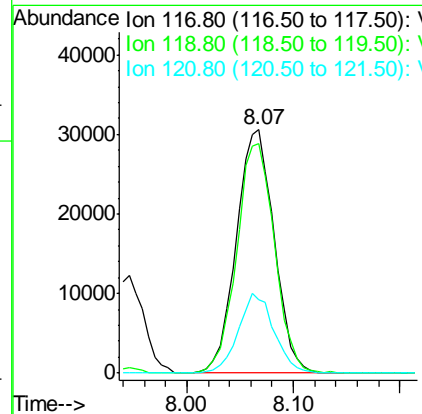
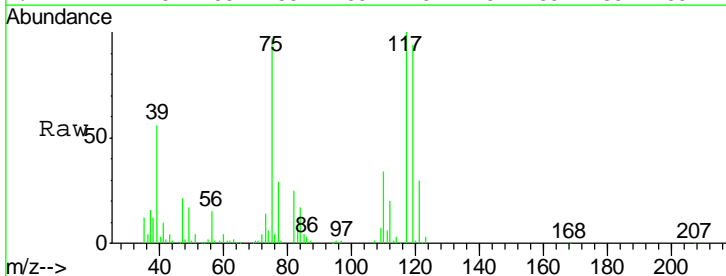
Instrument : MSVOA_W
 Client Sampled : VW0920SBS02

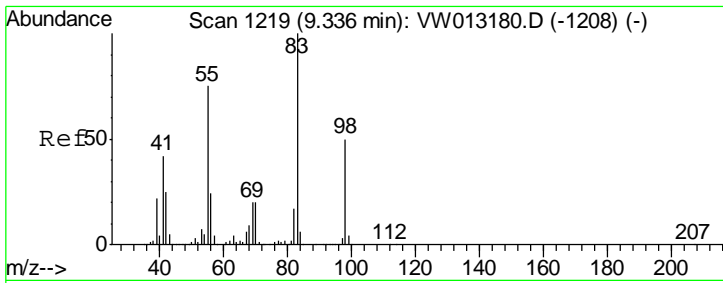
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#38
 Carbon Tetrachloride
 Concen: 20.848 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

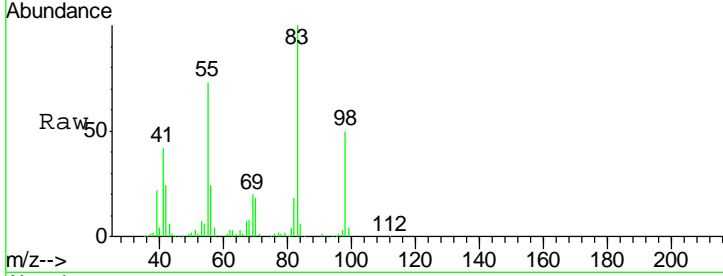
Tgt Ion	Resp	Lower	Upper
117	100		
119	94.3	73.5	110.3
121	30.3	25.0	37.6





#39
 Methylcyclohexane
 Concen: 21.232 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

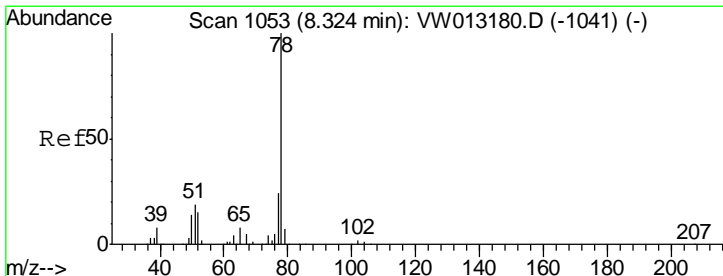
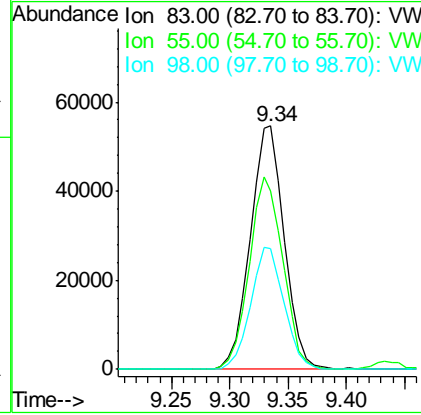
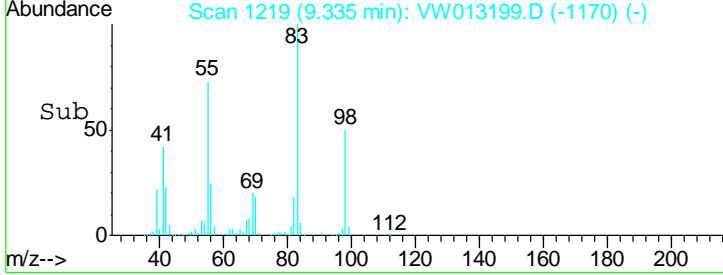
Instrument :
 MSVOA_W
ClientSampled :
 VW0920SBS02



Tgt Ion: 83 Resp: 111110

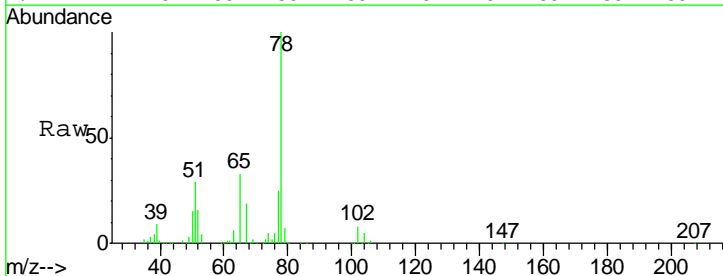
Ion	Ratio	Lower	Upper
83	100		
55	73.4	60.4	90.6
98	49.6	40.0	60.0

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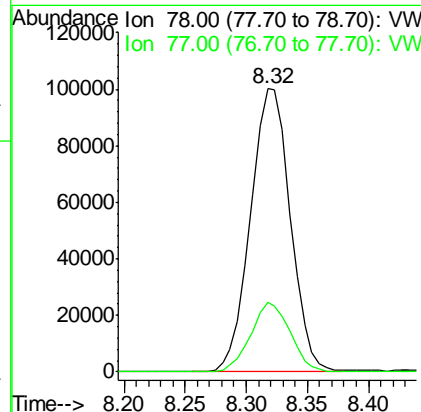
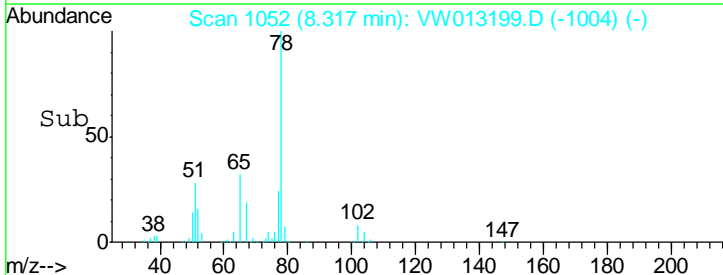
#40
 Benzene
 Concen: 20.022 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

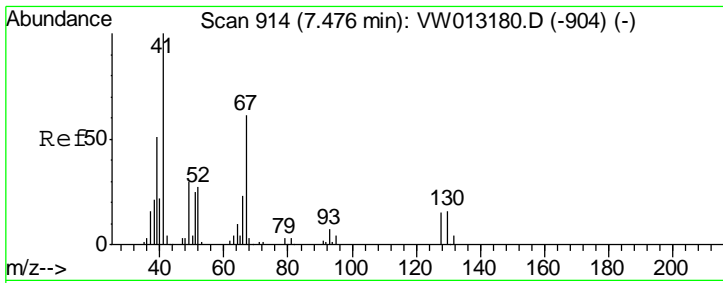
1
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11
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14
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16
17
18



Tgt Ion: 78 Resp: 227411

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7



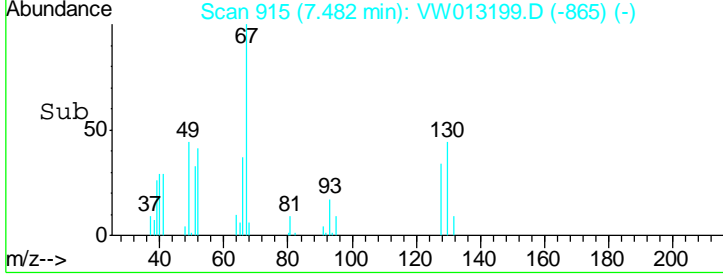
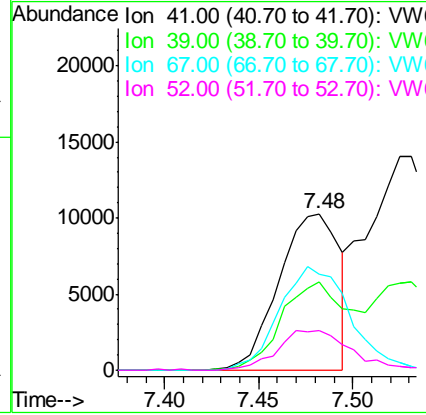
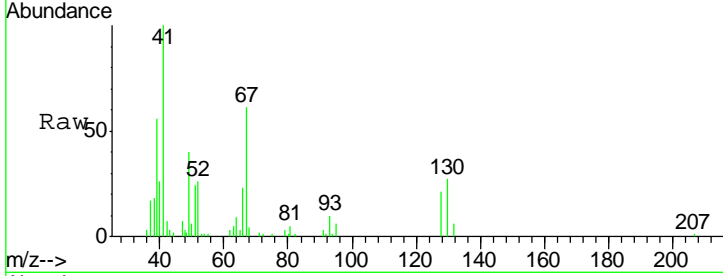


#41
 Methacrylonitrile
 Concen: 22.221 ug/l
 RT: 7.48 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
41	100		
39	65.4	45.9	68.9
67	77.3	54.5	81.7
52	30.8	22.5	33.7

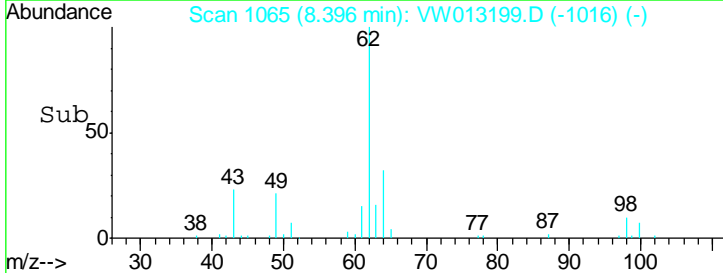
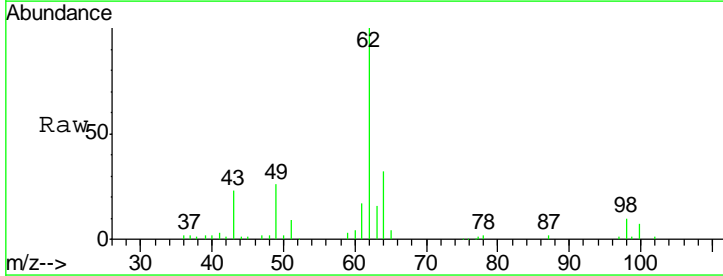
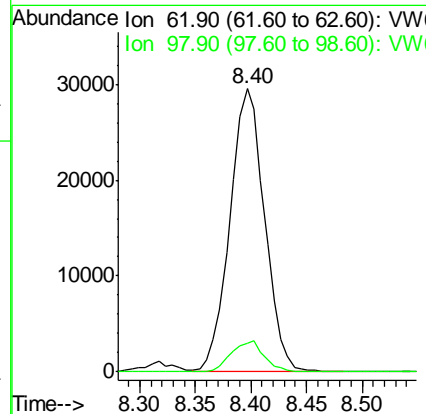
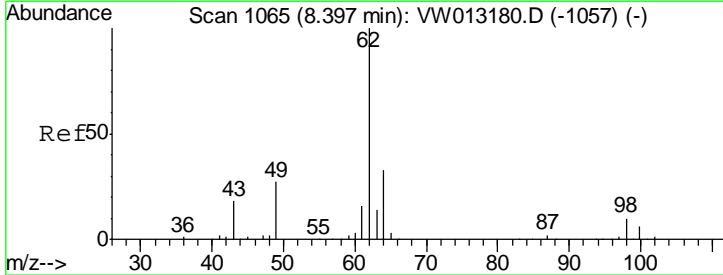
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

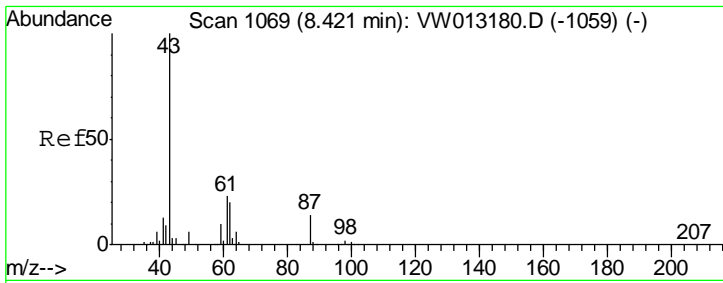
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#42
 1,2-Dichloroethane
 Concen: 20.884 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.4	0.0	20.6



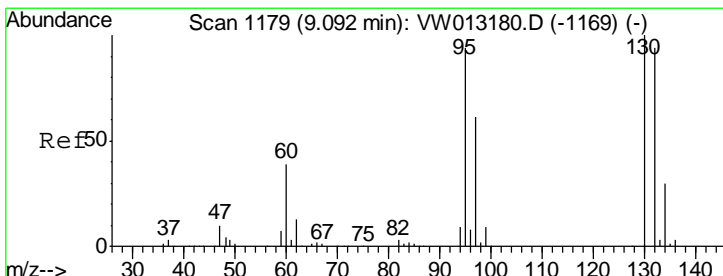
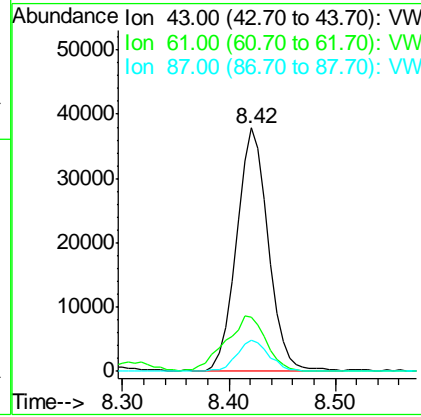
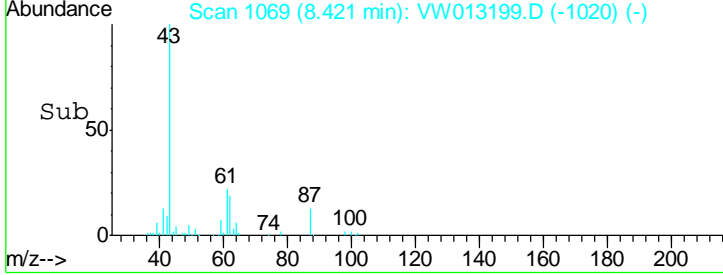
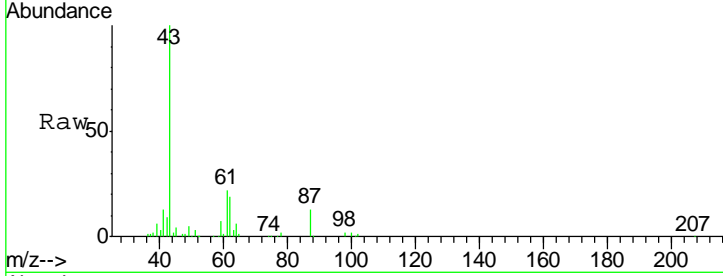


#43
 Isopropyl Acetate
 Concen: 23.620 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
43	100		
61	29.4	25.5	38.3
87	12.9	11.0	16.4

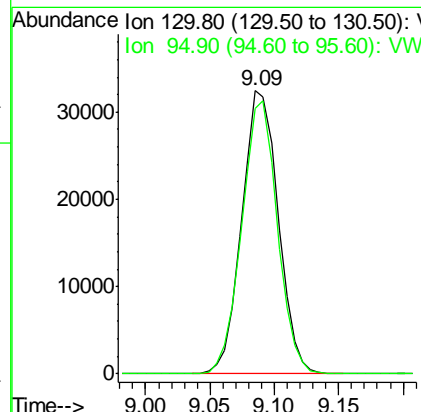
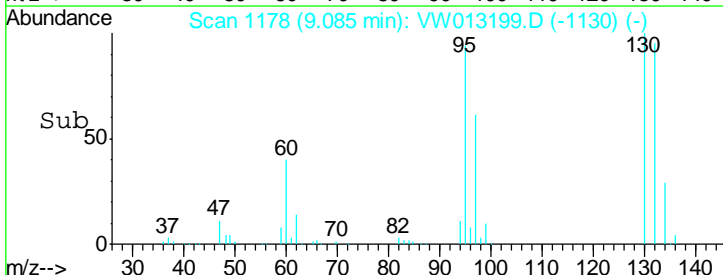
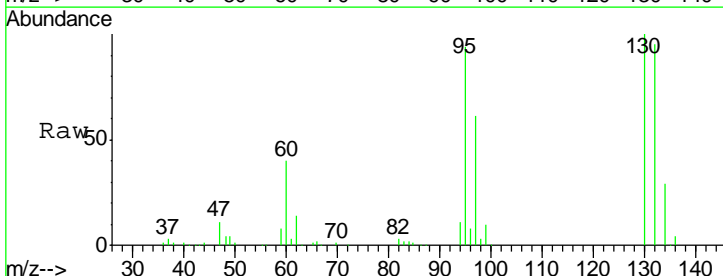
Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

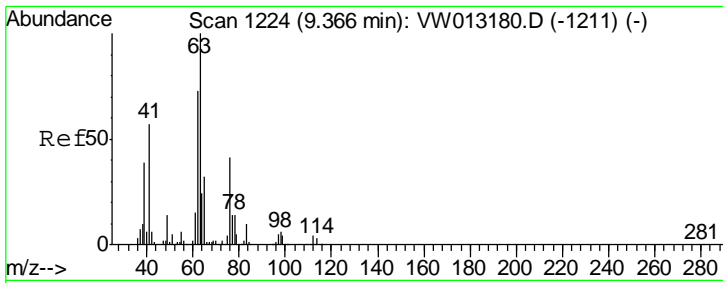
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#44
 Trichloroethene
 Concen: 19.907 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
130	100		
95	93.8	0.0	188.0



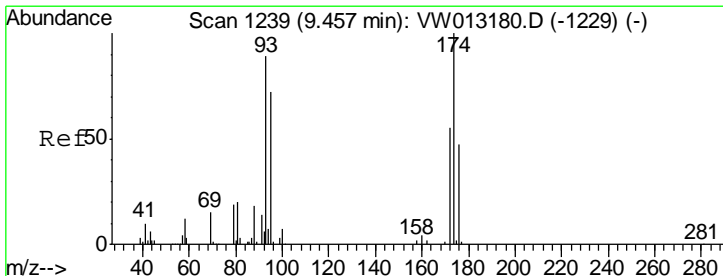
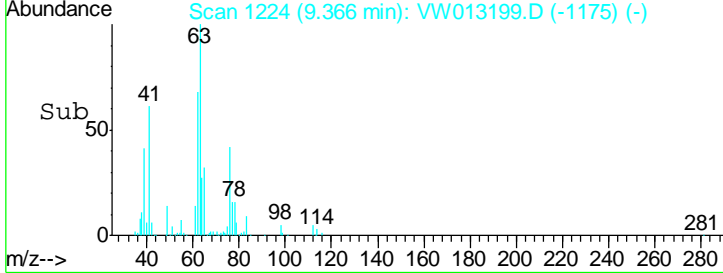
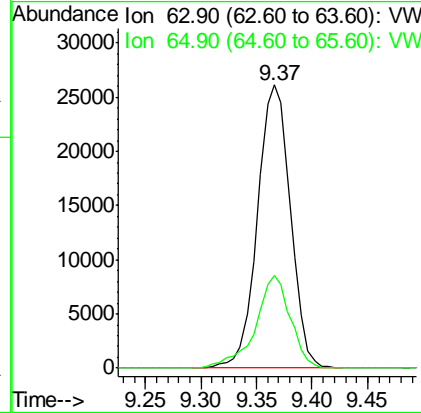
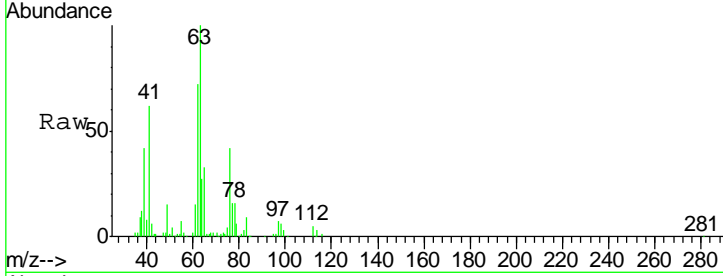


#45
 1,2-Dichloropropane
 Concen: 19.413 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

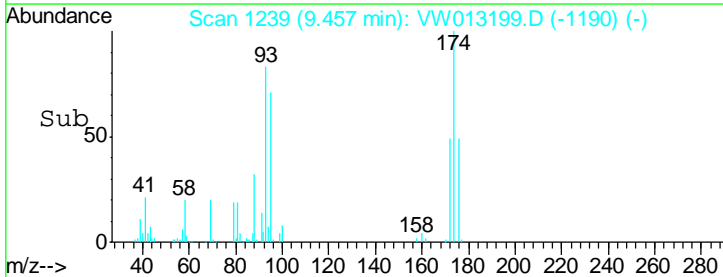
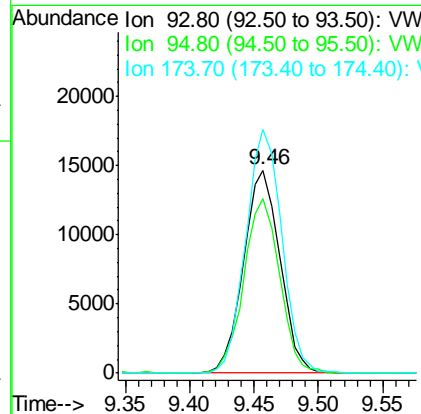
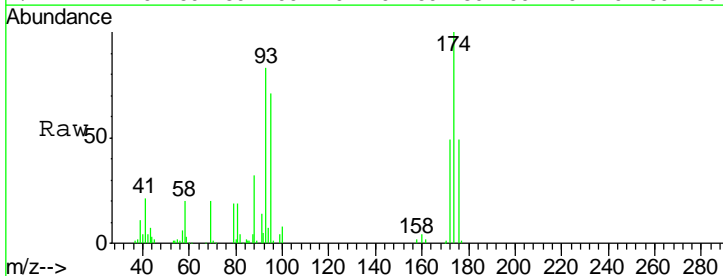
Tgt Ion	Resp	Lower	Upper
63	53834		
63	100		
65	32.8	25.3	37.9

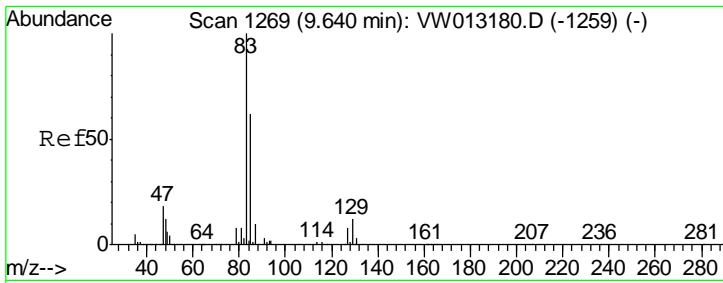
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#46
 Dibromomethane
 Concen: 21.289 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
93	28662		
93	100		
95	84.5	66.4	99.6
174	118.8	93.0	139.6





#47

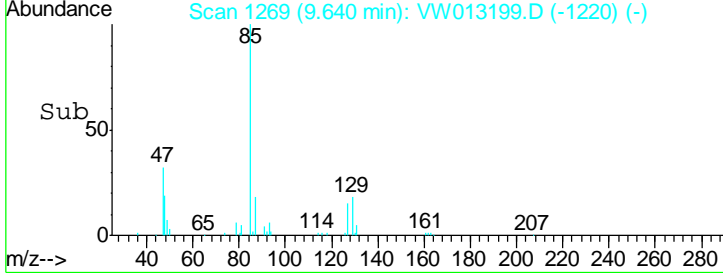
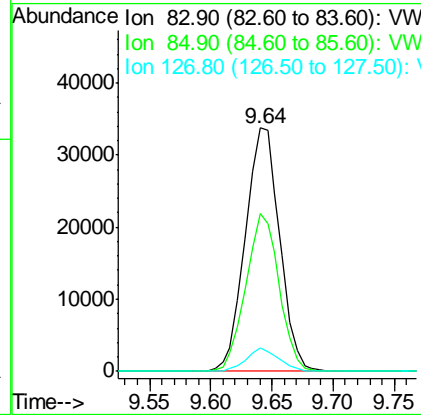
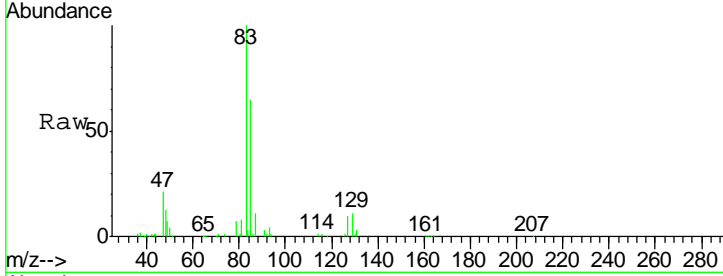
Bromodichloromethane
 Concen: 19.228 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.0	49.4	74.2
127	9.6	6.5	9.7

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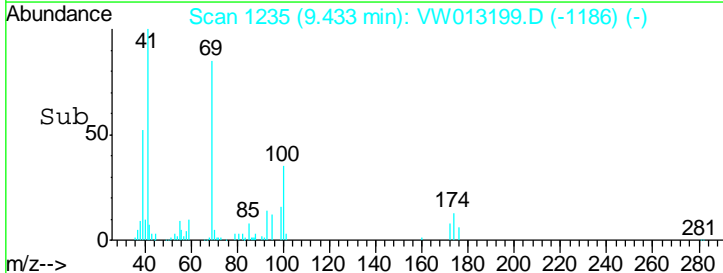
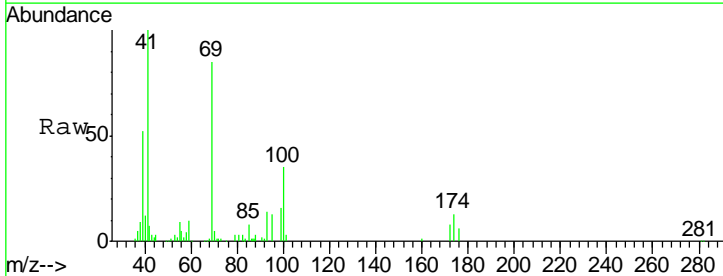
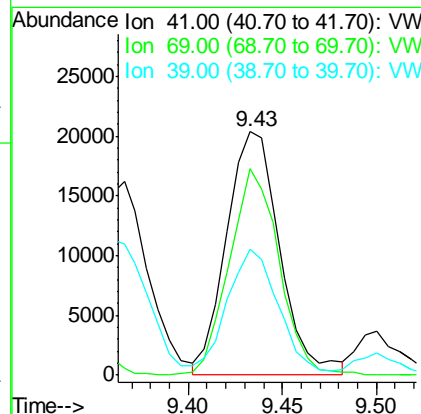
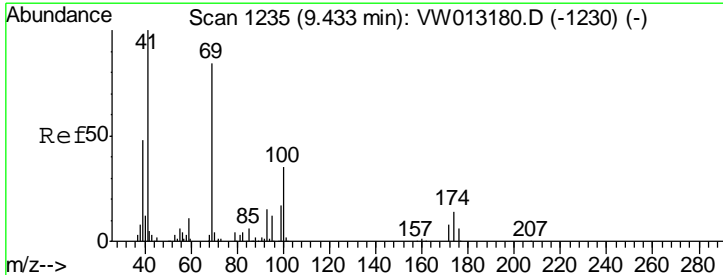
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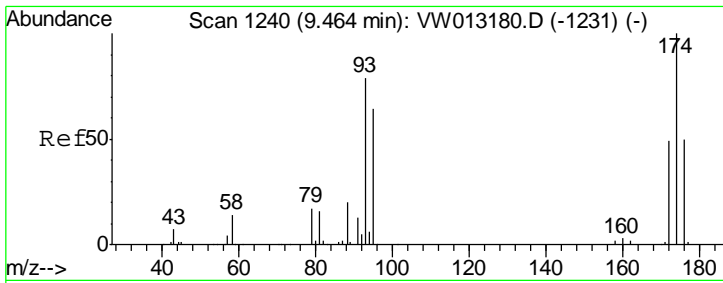


#48

Methyl methacrylate
 Concen: 25.634 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

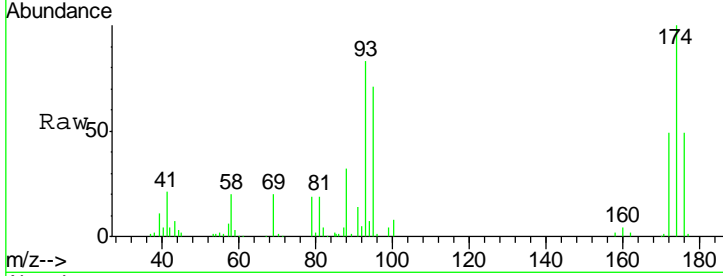
Tgt Ion	Resp	Lower	Upper
41	100		
69	79.3	69.7	104.5
39	46.5	41.1	61.7





#49
 1,4-Dioxane
 Concen: 596.072 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

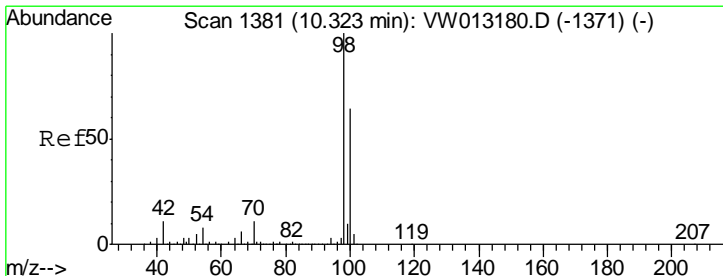
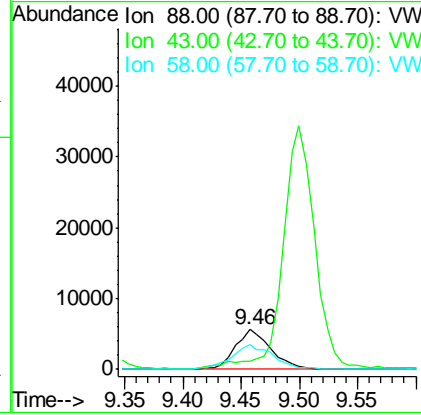
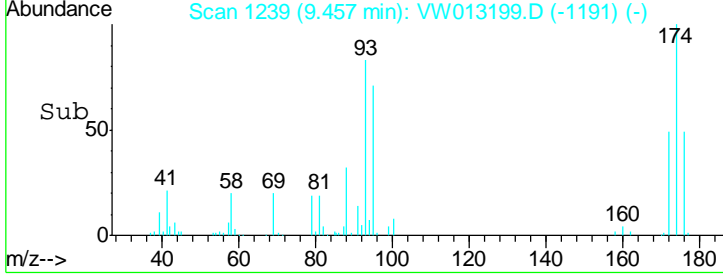
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02



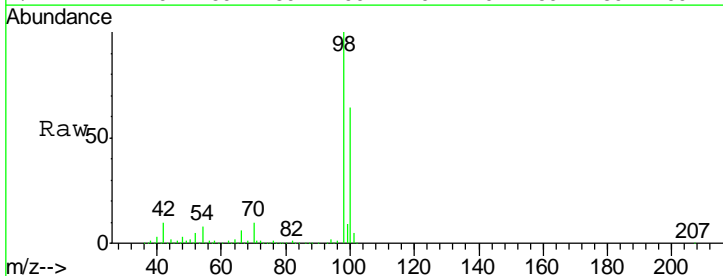
Tgt Ion: 88 Resp: 12046

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.0	65.4	98.0

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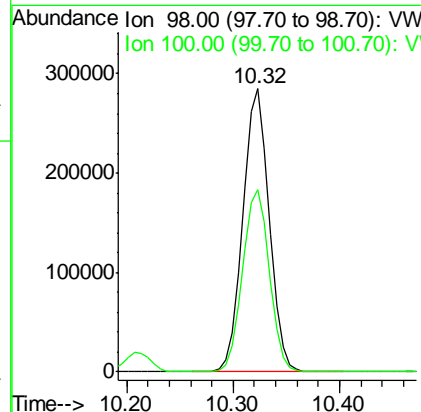
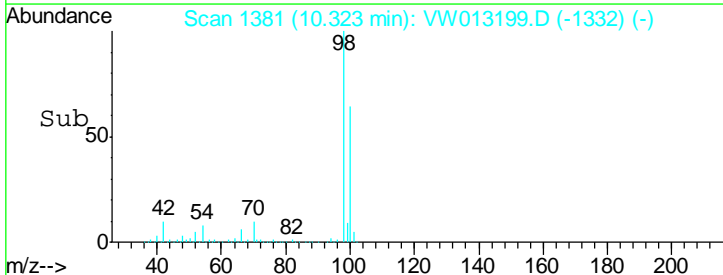


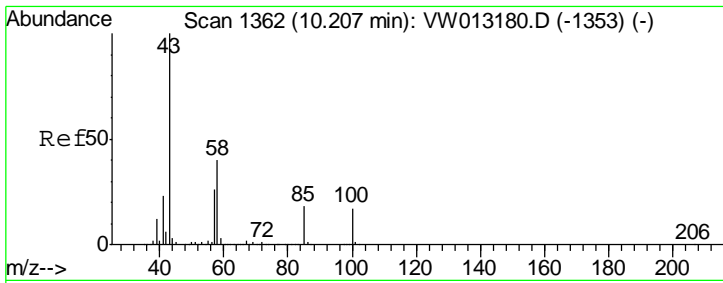
#50
 Toluene-d8
 Concen: 51.131 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 98 Resp: 494820

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3



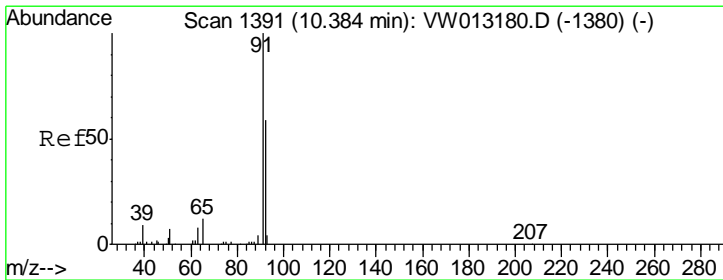
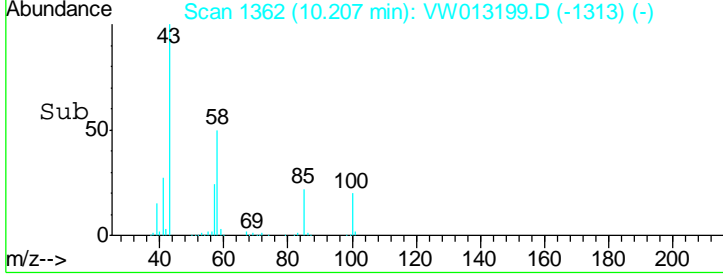
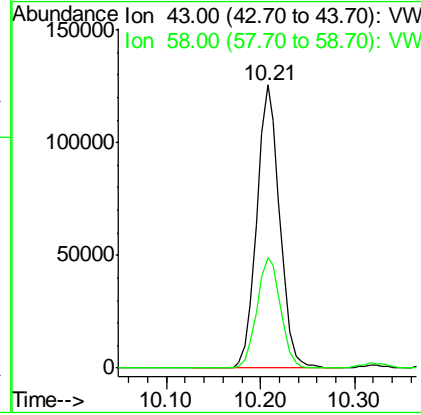
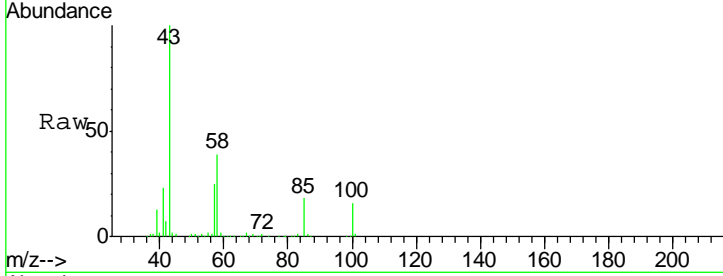


#51
 4-Methyl-2-Pentanone
 Concen: 129.793 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 Client Sampled : VW0920SBS02

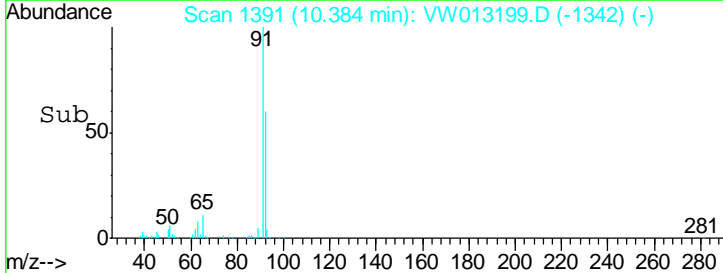
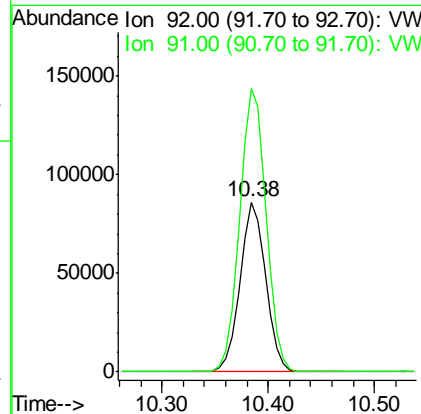
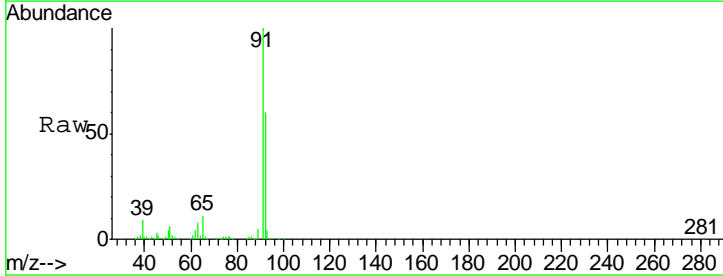
Tgt Ion	Resp	Lower	Upper
43	100		
58	40.3	31.7	47.5

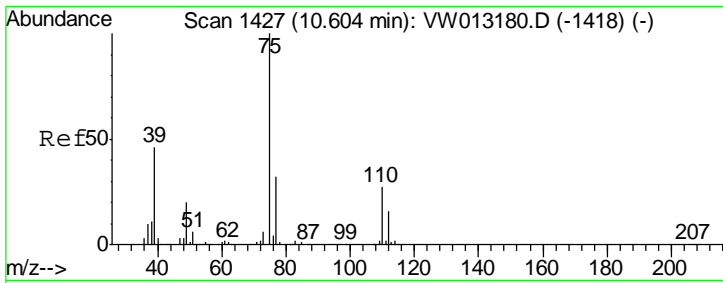
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#52
 Toluene
 Concen: 19.976 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
92	100		
91	172.5	135.7	203.5



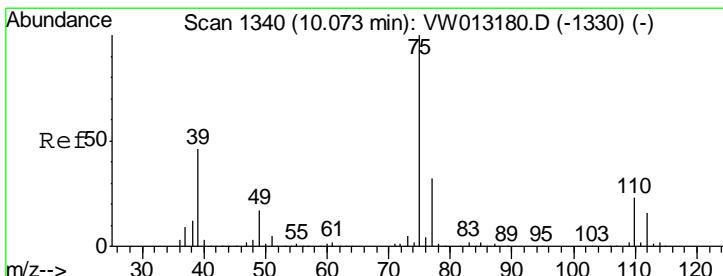
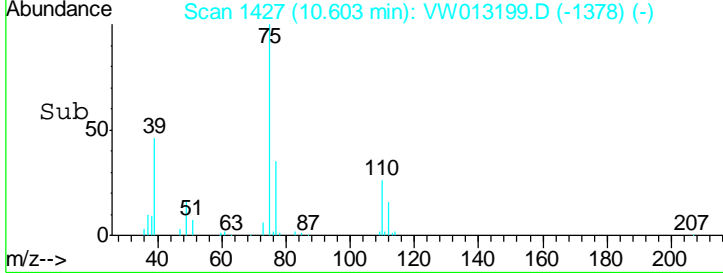
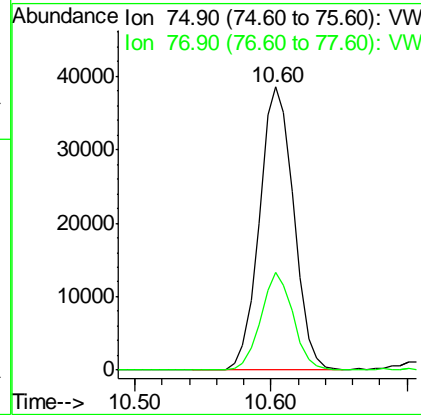
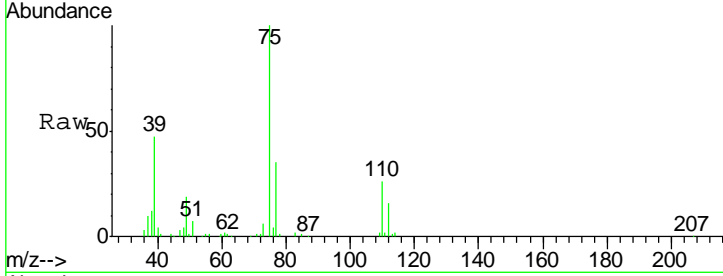


#53
 t-1,3-Dichloropropene
 Concen: 19.335 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

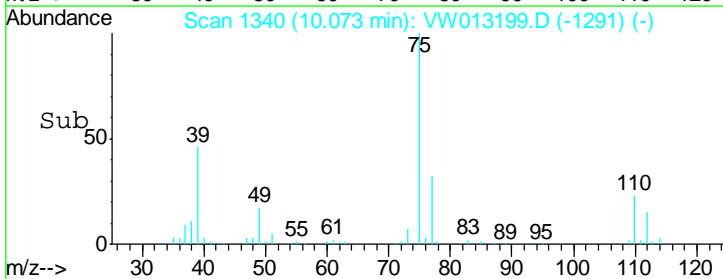
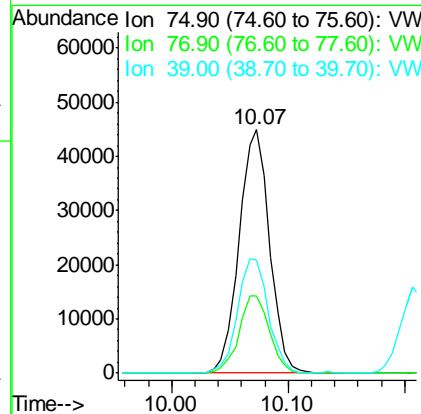
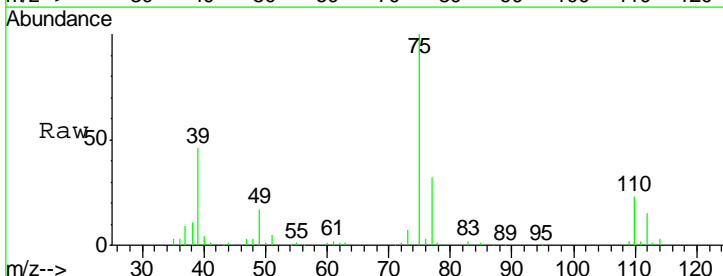
Tgt Ion	Resp	Lower	Upper
75	68050		
75	100		
77	34.8	25.5	38.3

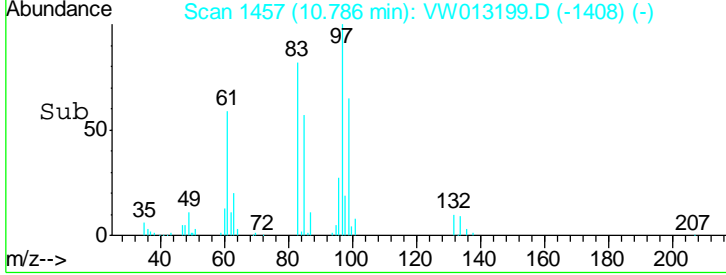
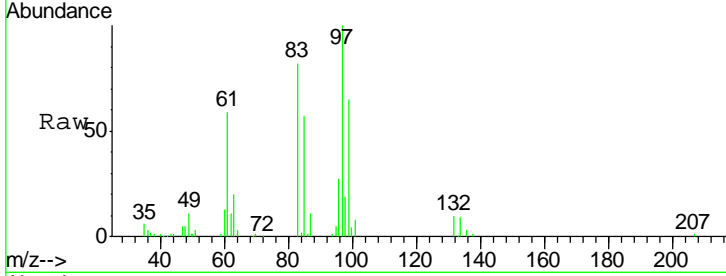
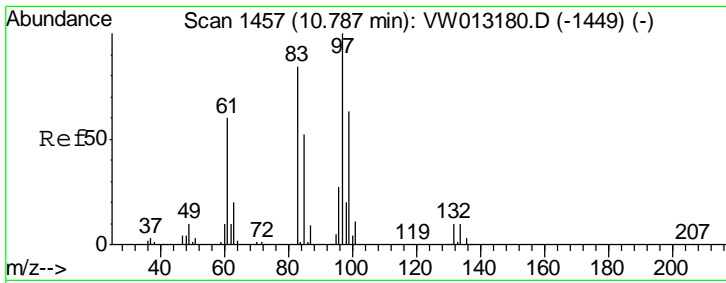
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#54
 cis-1,3-Dichloropropene
 Concen: 19.096 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
75	81720		
75	100		
77	31.9	25.2	37.8
39	46.3	36.6	55.0



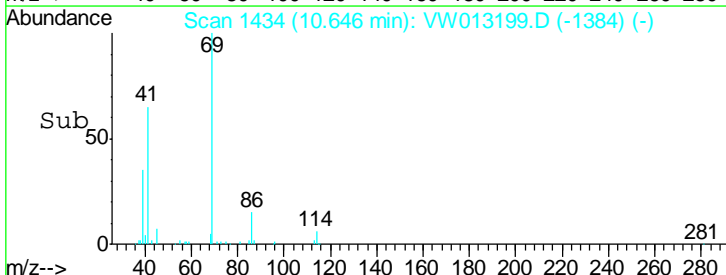
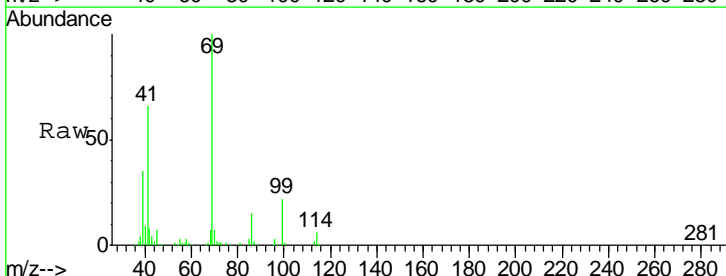
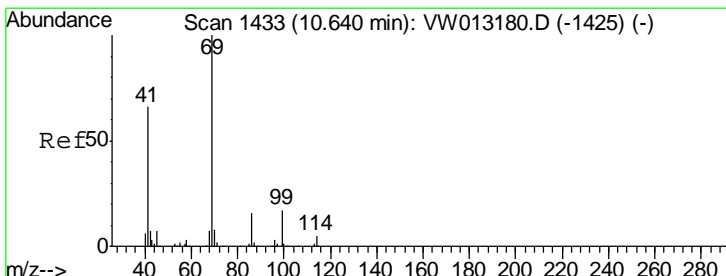
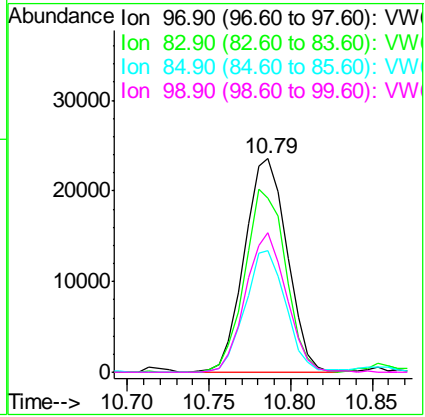


#55
 1,1,2-Trichloroethane
 Concen: 21.358 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
97	42978		
97	100		
83	81.6	67.6	101.4
85	57.1	41.9	62.9
99	65.3	50.1	75.1

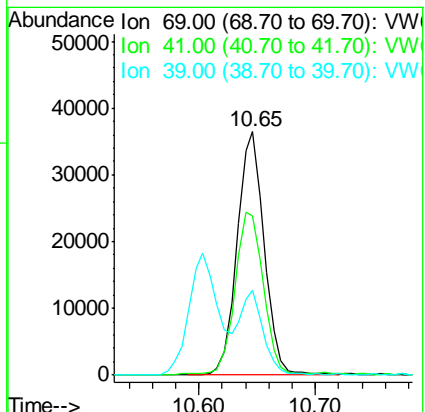
Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

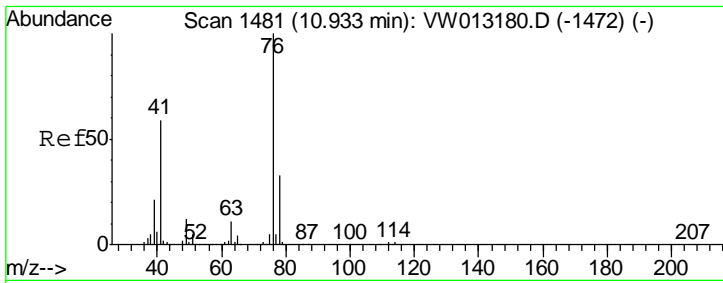
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 22.554 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
69	59398		
69	100		
41	70.7	53.9	80.9
39	29.7	23.8	35.6



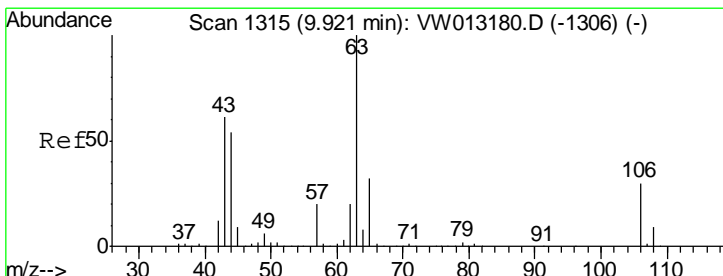
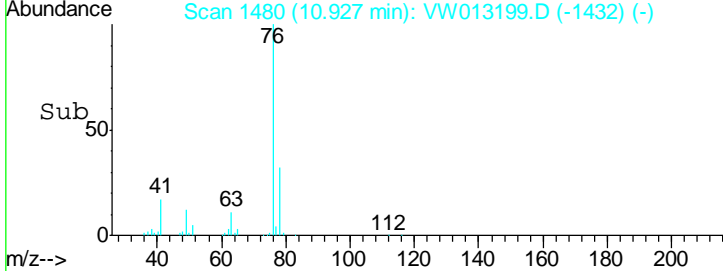
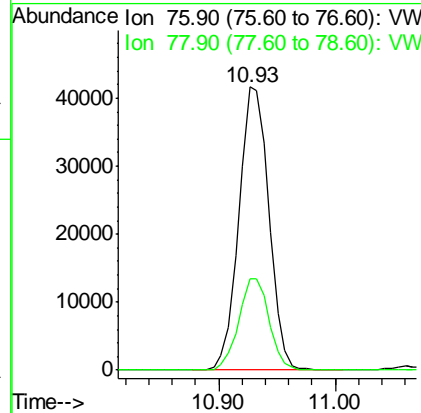
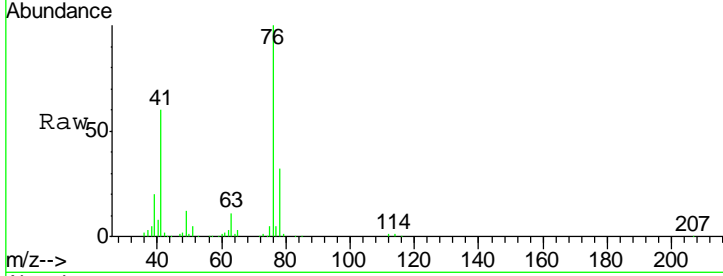


#57
 1,3-Dichloropropane
 Concen: 21.326 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

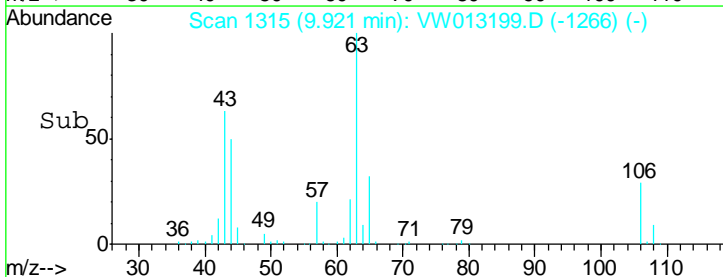
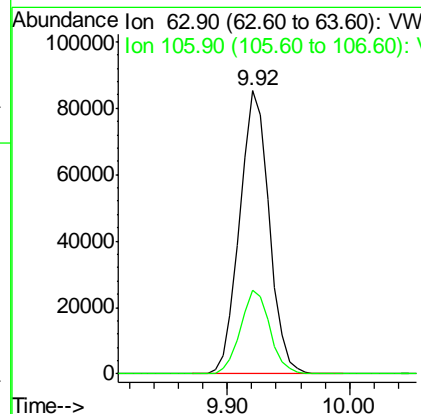
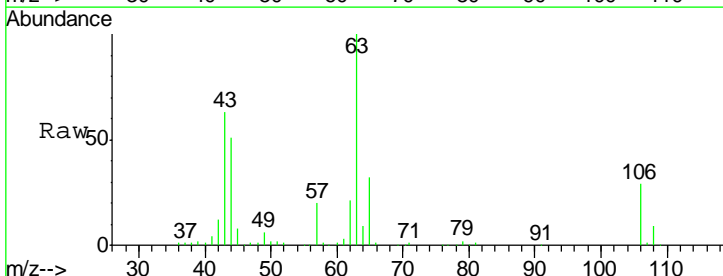
Tgt Ion	Resp	Lower	Upper
76	100		
78	32.7	25.5	38.3

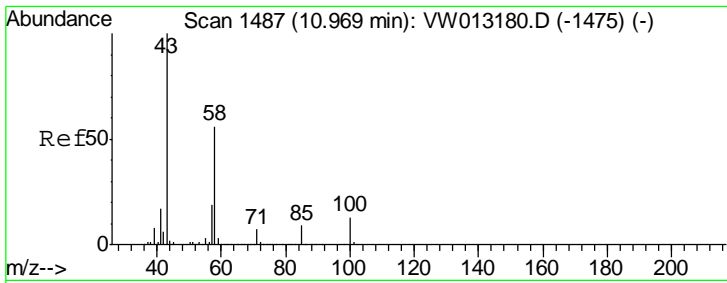
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.427 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
63	100		
106	29.4	23.4	35.0



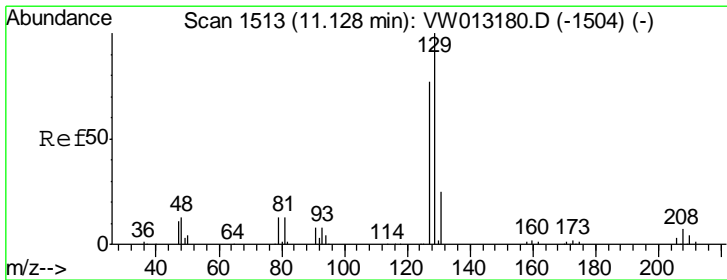
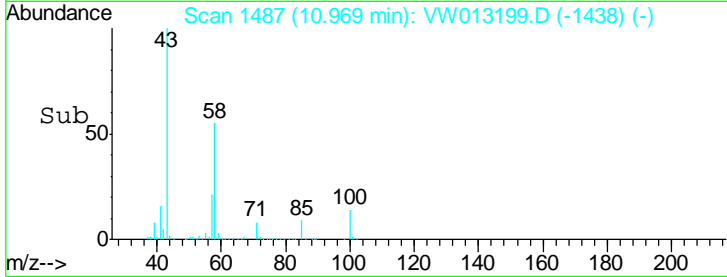
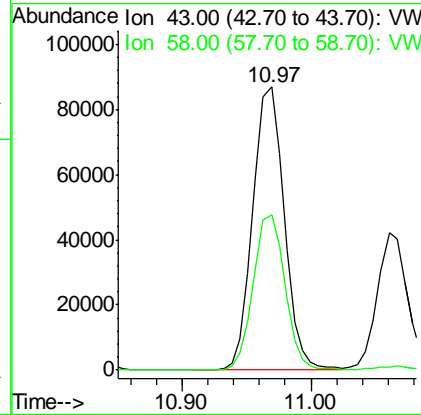
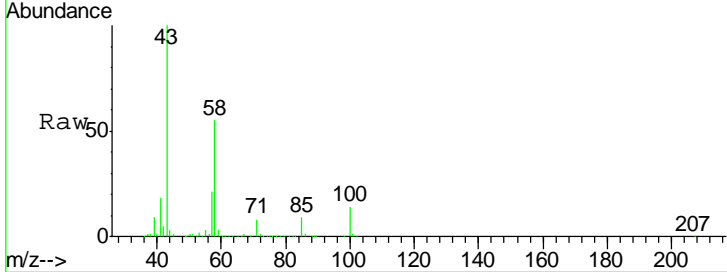


#59
 2-Hexanone
 Concen: 128.459 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

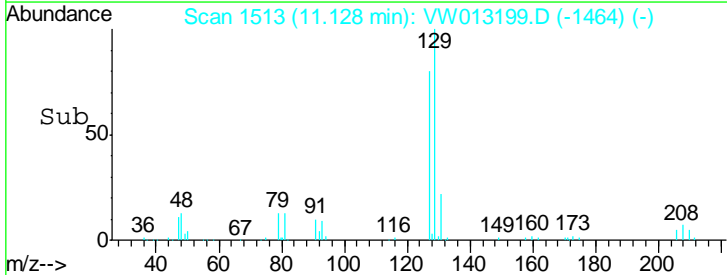
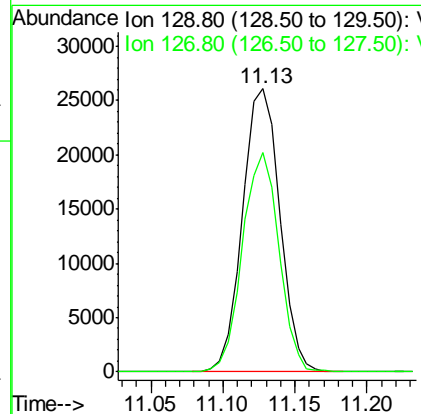
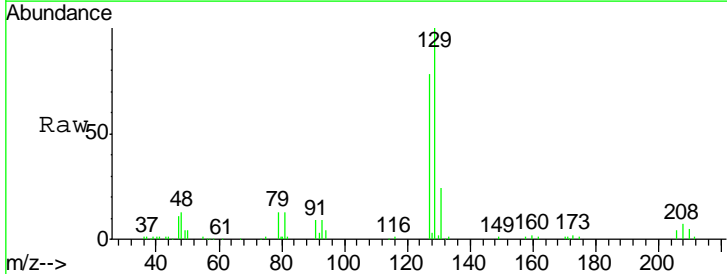
Tgt Ion	Resp	Lower	Upper
43	100		
58	55.2	28.1	84.2

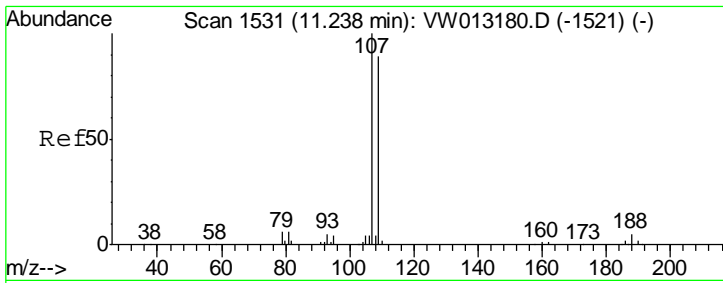
Manual Integrations
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#60
 Dibromochloromethane
 Concen: 20.535 ug/l
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
129	100		
127	75.6	38.8	116.4



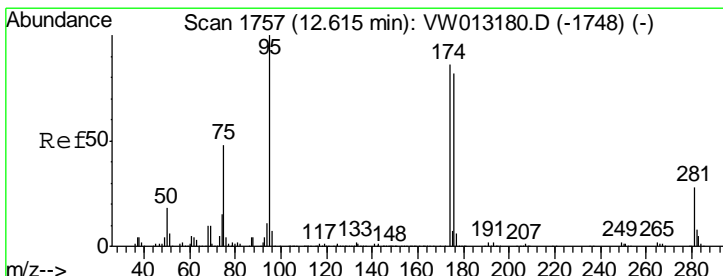
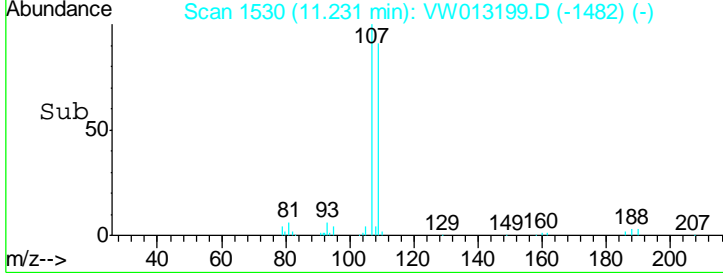
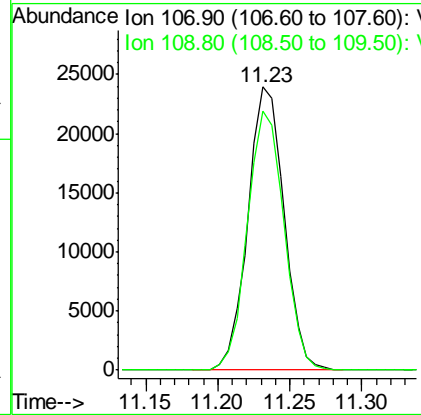
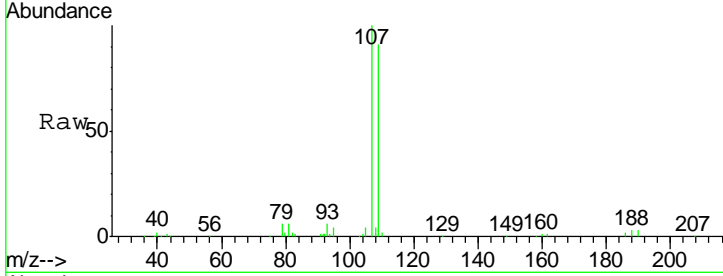


#61
 1,2-Dibromoethane
 Concen: 21.661 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

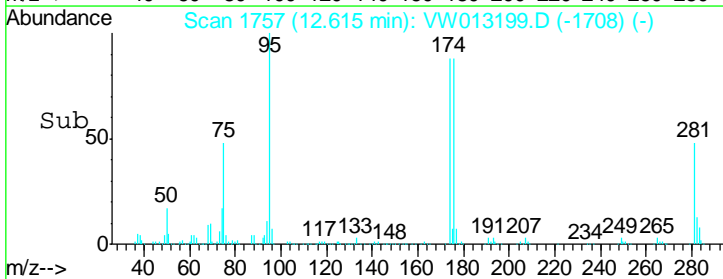
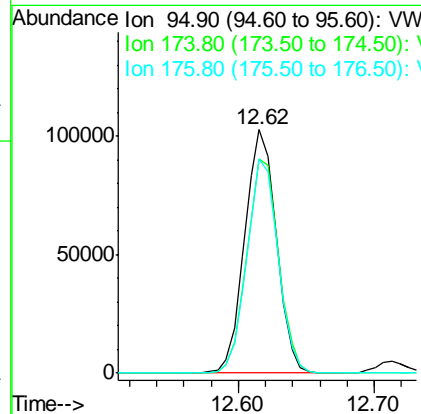
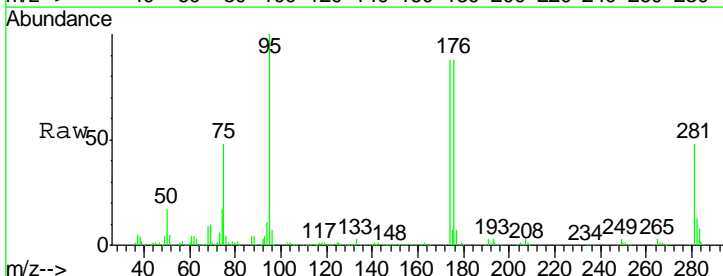
Tgt Ion	Resp	Lower	Upper
107	41444		
109	92.9	75.2	112.8

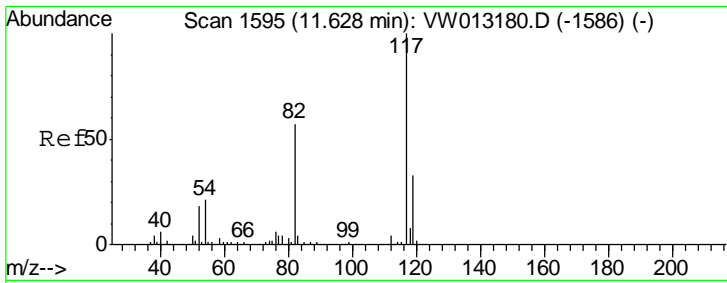
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 50.620 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

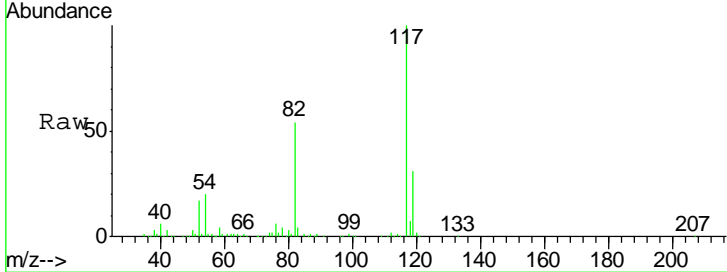
Tgt Ion	Resp	Lower	Upper
95	167334		
174	88.6	0.0	178.4
176	86.5	0.0	172.2





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

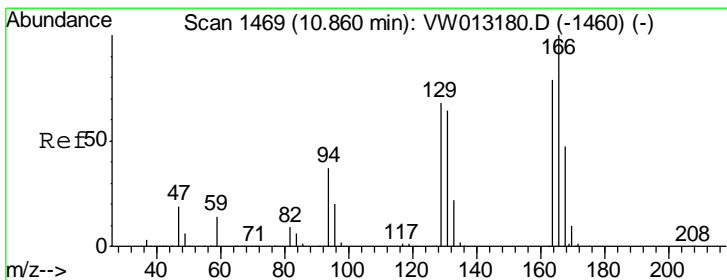
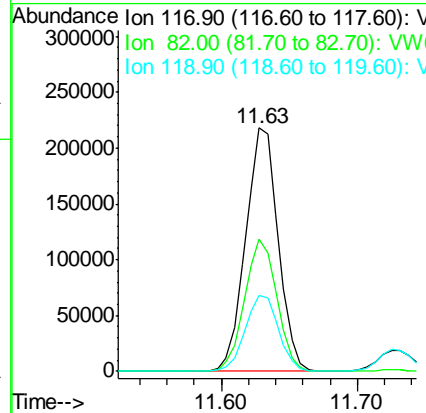
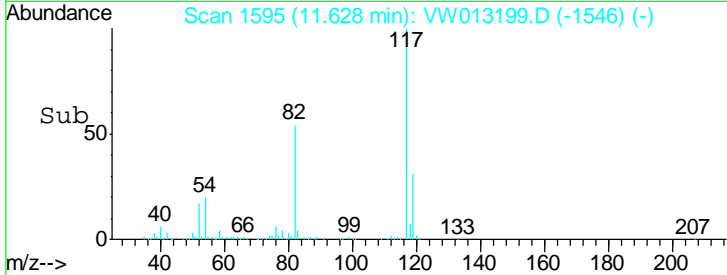
Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02



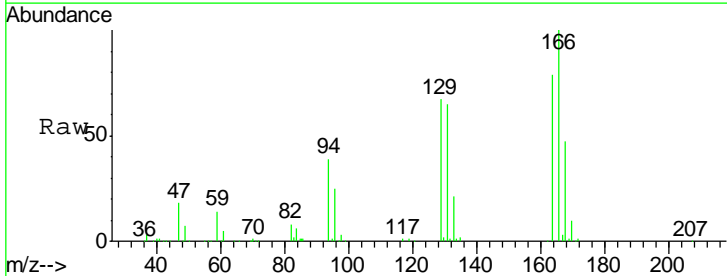
Tgt Ion: 117 Resp: 365231

Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.9	68.9
119	31.3	26.2	39.2

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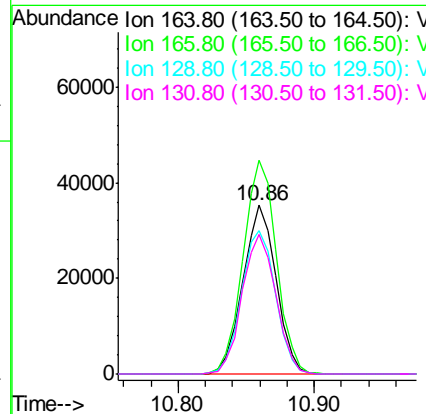
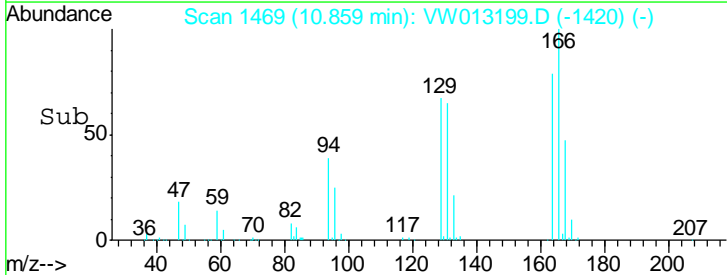


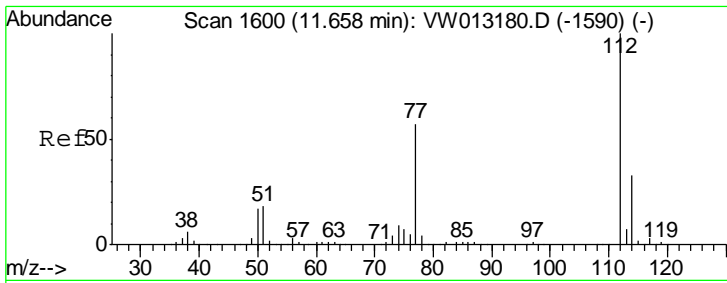
#64
 Tetrachloroethene
 Concen: 21.694 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 164 Resp: 60117

Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.2	151.8
129	85.0	68.8	103.2
131	82.5	65.2	97.8



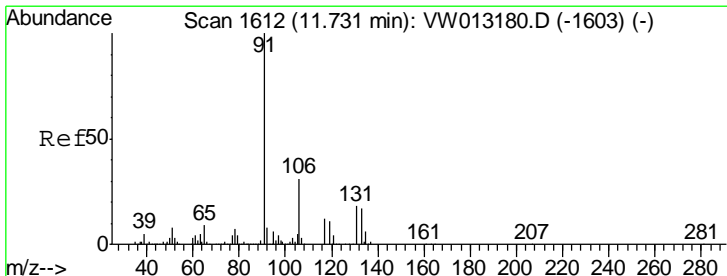
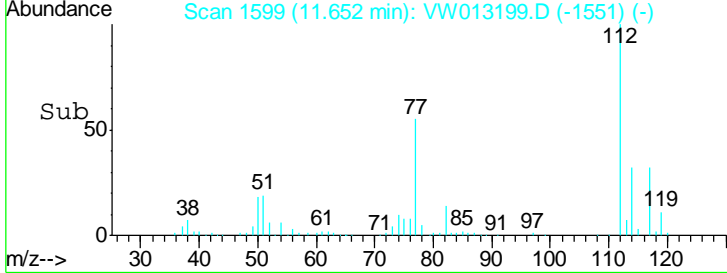
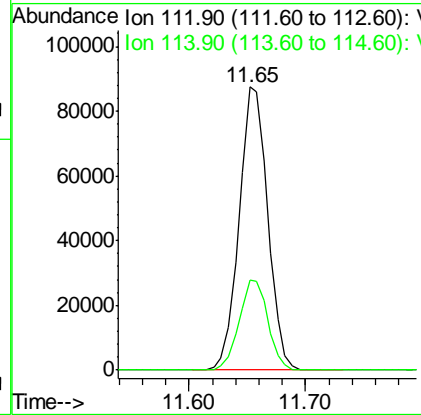
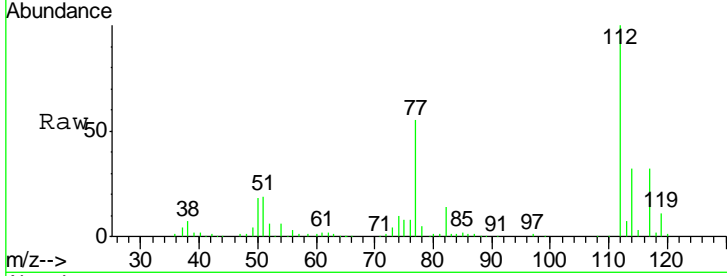


#65
 Chlorobenzene
 Concen: 19.612 ug/l
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 Client Sampled : VW0920SBS02

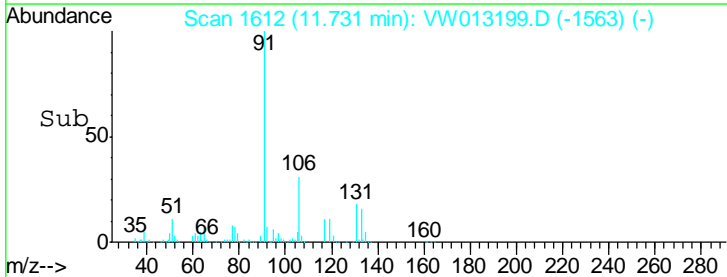
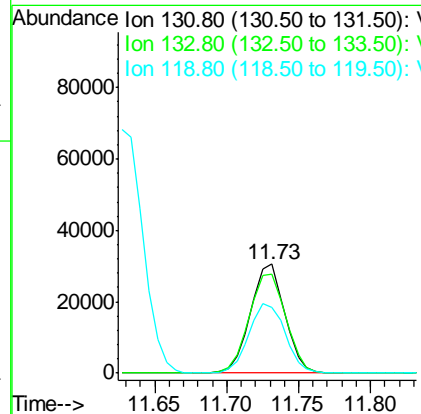
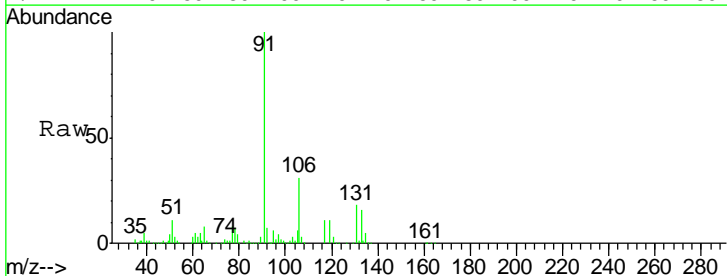
Tgt Ion: 112 Resp: 149574
 Ion Ratio Lower Upper
 112 100
 114 31.9 26.5 39.7

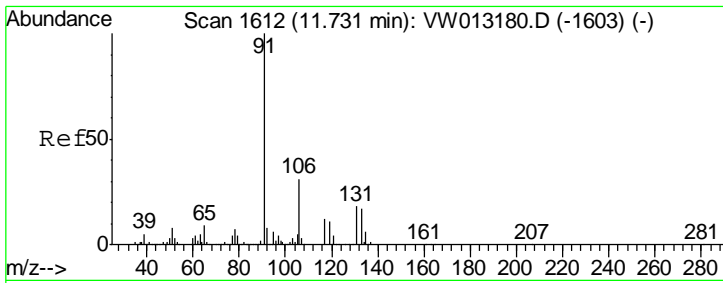
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.252 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion: 131 Resp: 50161
 Ion Ratio Lower Upper
 131 100
 133 97.3 47.5 142.6
 119 67.1 32.5 97.5



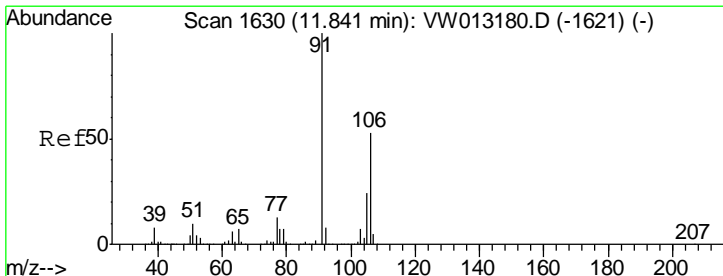
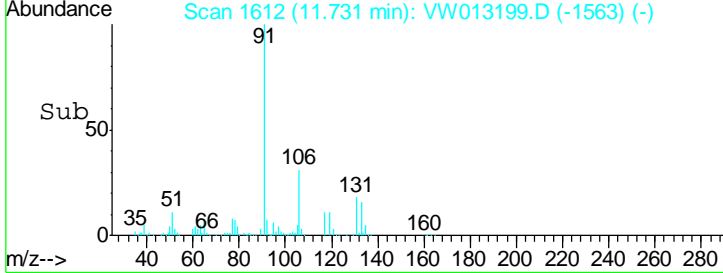
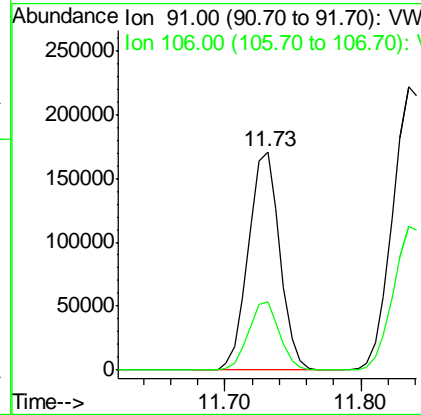
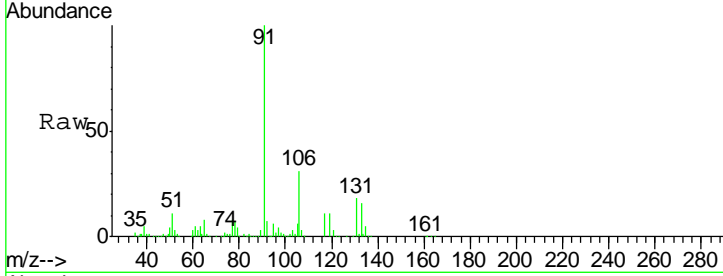


#67
 Ethyl Benzene
 Concen: 20.020 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBS02

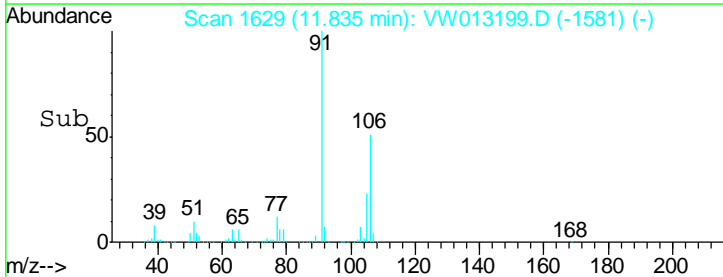
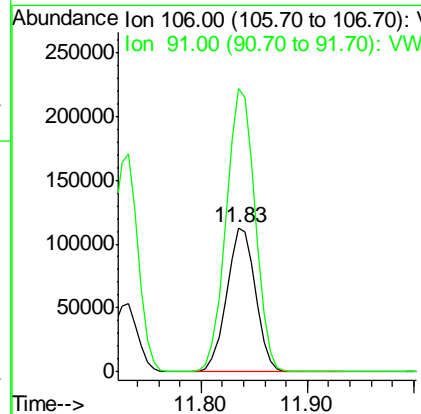
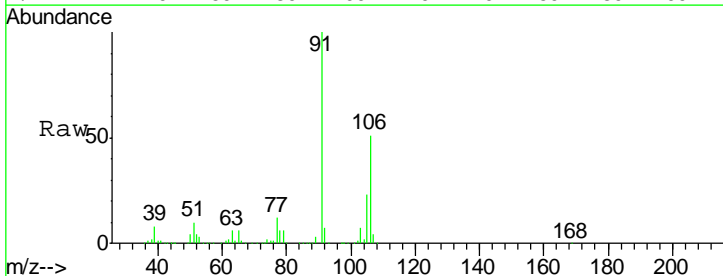
Tgt Ion	Resp	Lower	Upper
91	100		
106	31.1	24.9	37.3

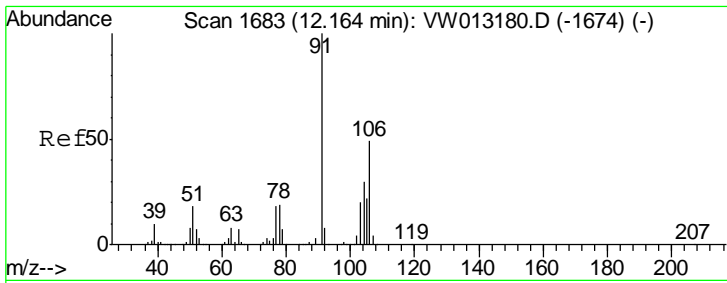
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#68
 m/p-Xylenes
 Concen: 40.165 ug/l
 RT: 11.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
106	100		
91	198.7	157.9	236.9



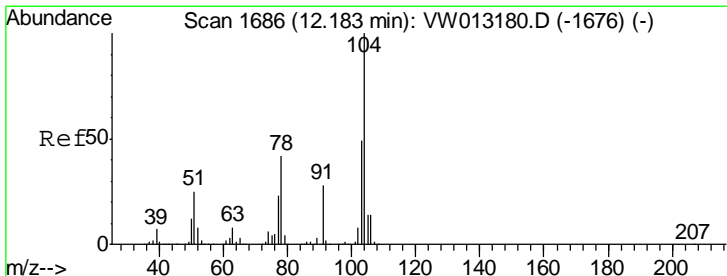
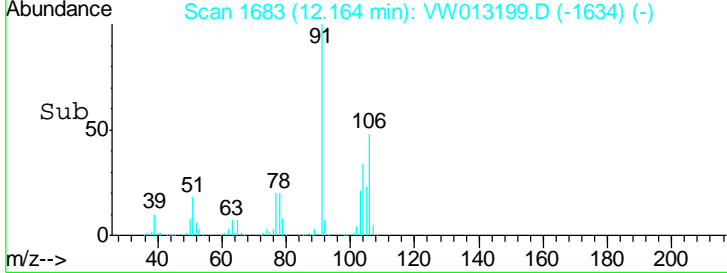
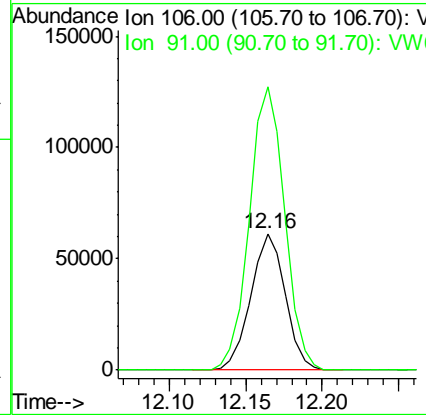
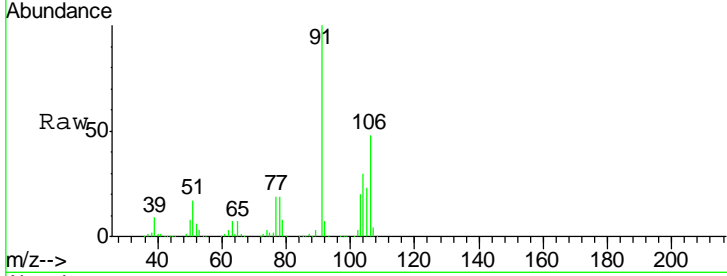


#69
 o-Xylene
 Concen: 19.571 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

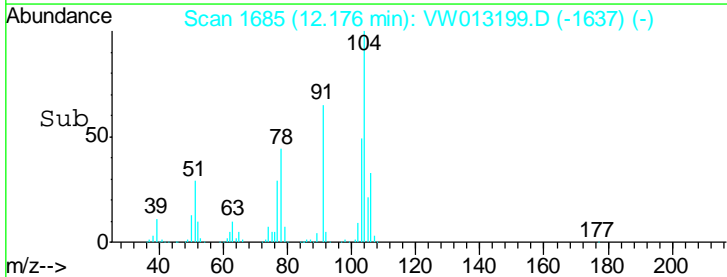
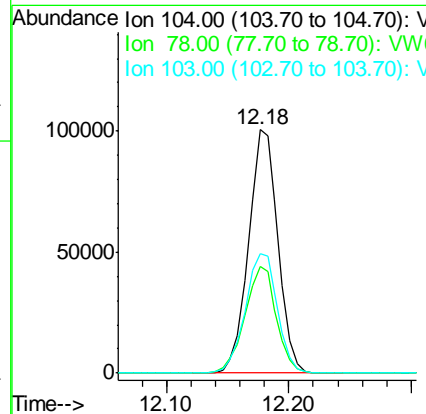
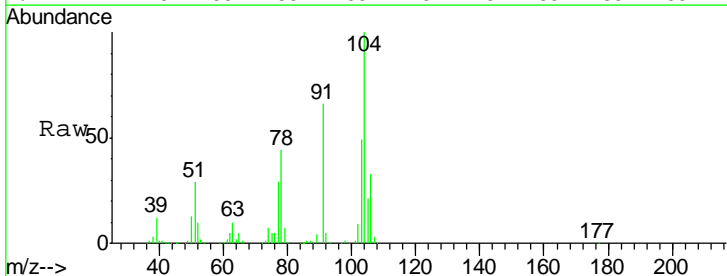
Tgt Ion	Resp	Lower	Upper
106	95815		
106	100		
91	212.9	106.5	319.5

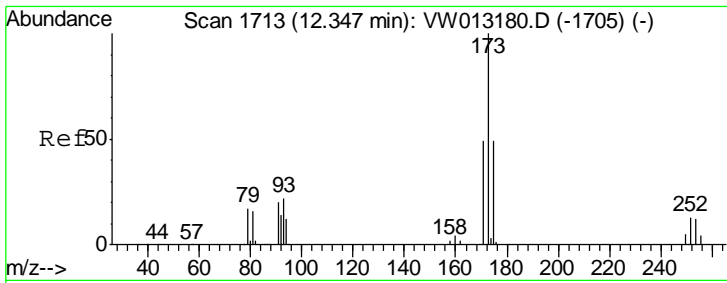
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#70
 Styrene
 Concen: 19.948 ug/l
 RT: 12.18 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

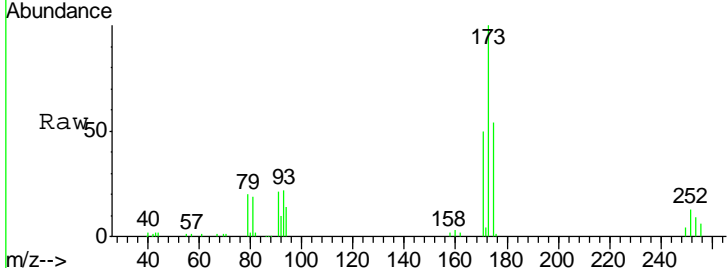
Tgt Ion	Resp	Lower	Upper
104	167667		
104	100		
78	46.9	38.4	57.6
103	53.8	43.3	64.9





#71
 Bromoform
 Concen: 21.009 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

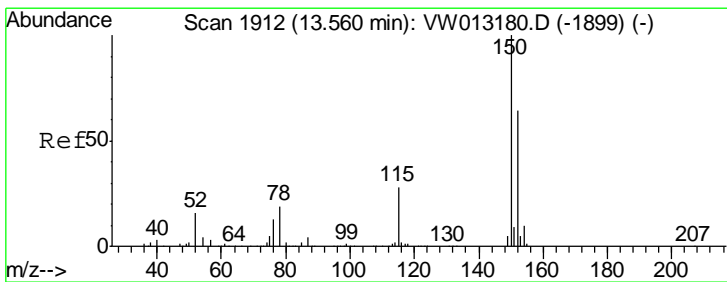
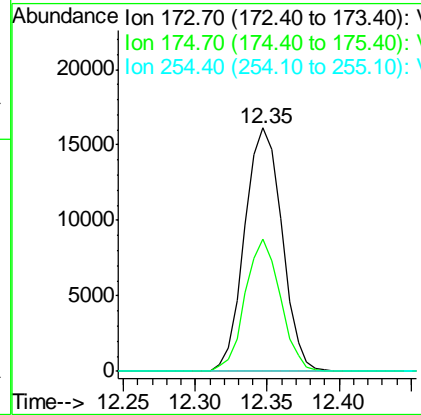
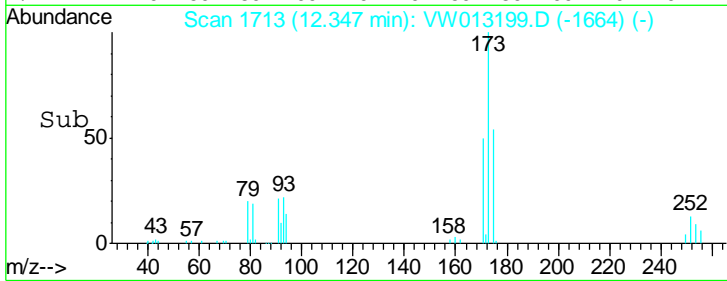
Instrument : MSVOA_W
 ClientSampled : VW0920SBS02



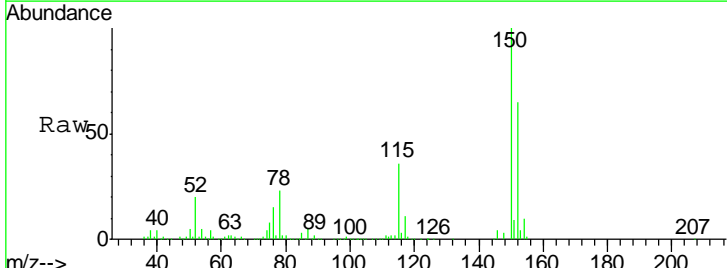
Tgt Ion: 173 Resp: 28919

Ion	Ratio	Lower	Upper
173	100		
175	51.4	24.3	73.0
254	0.0	0.1	0.1

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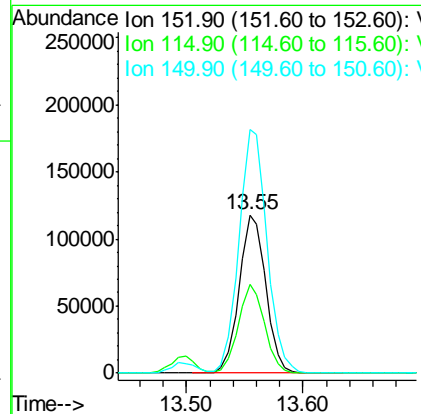
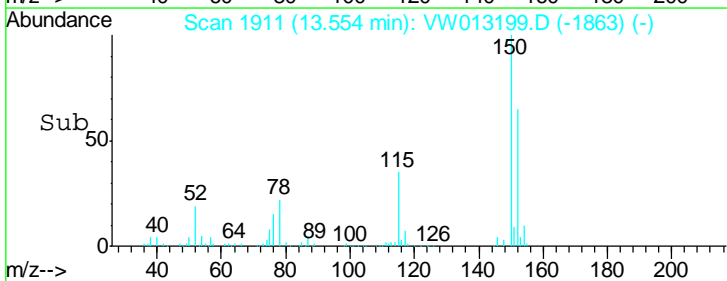


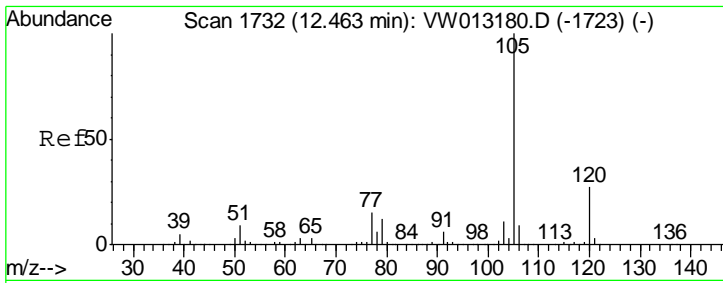
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 152 Resp: 187014

Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.3	81.9
150	162.4	0.0	349.0



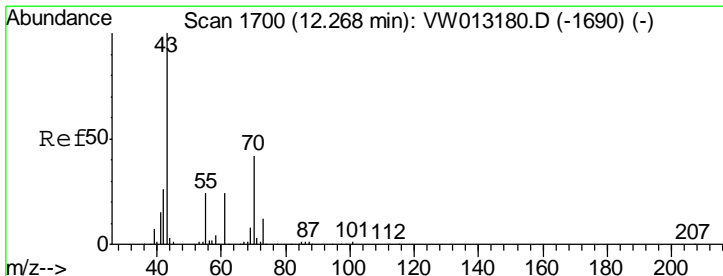
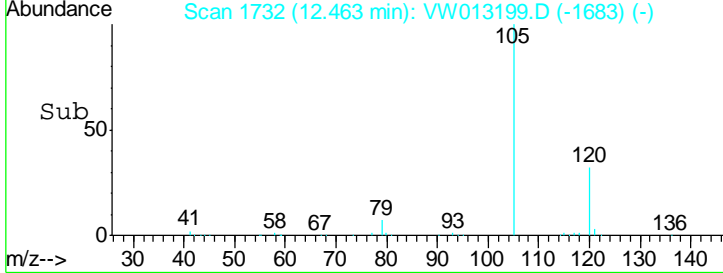
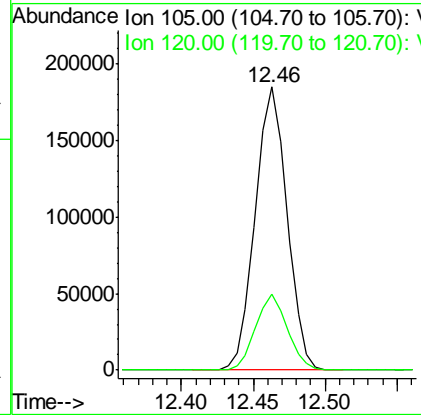
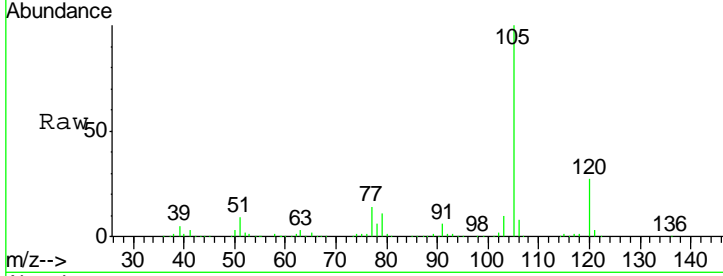


#73
 Isopropylbenzene
 Concen: 20.384 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

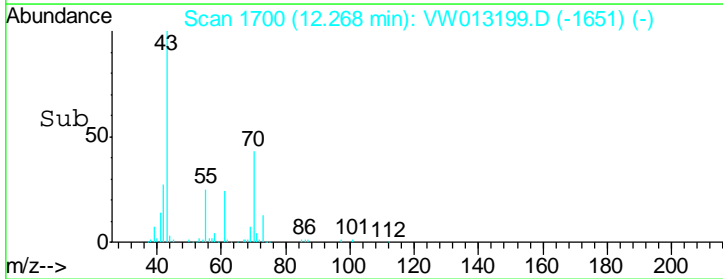
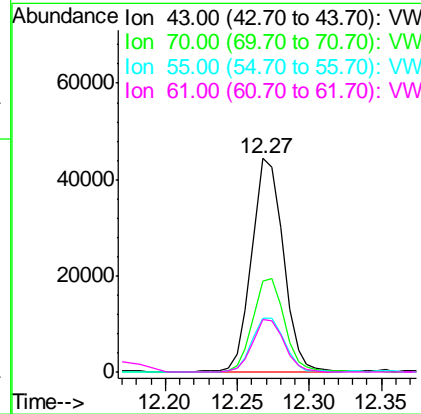
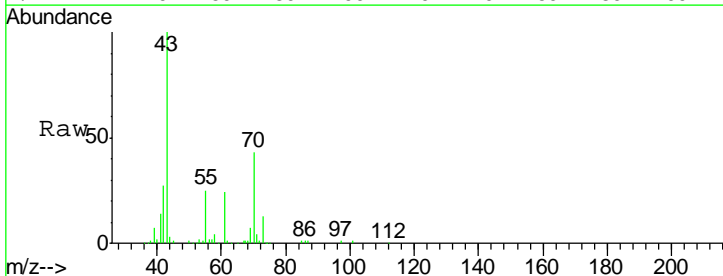
Tgt Ion	Resp	Lower	Upper
105	281610		
120	26.6	13.4	40.1

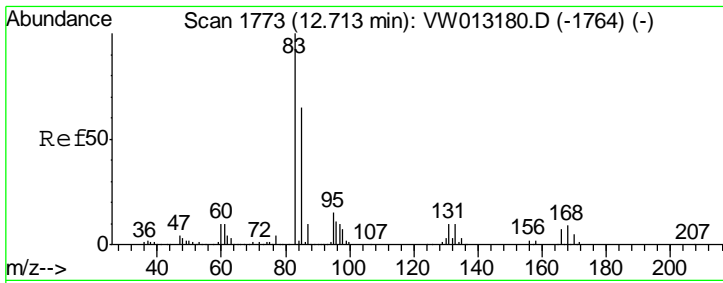
Manual Integrations
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 9/24/2019 5:29:00 AM



#74
 N-ethyl acetate
 Concen: 21.999 ug/l
 RT: 12.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
43	67438		
70	43.7	35.1	52.7
55	26.2	19.9	29.9
61	24.5	19.5	29.3



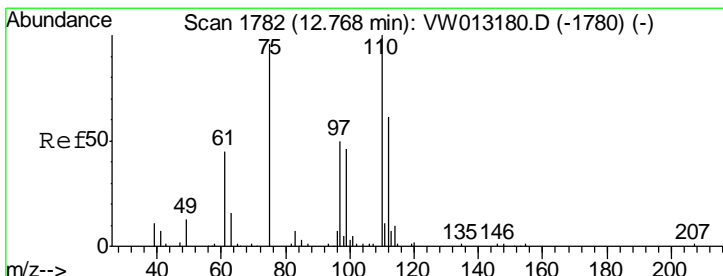
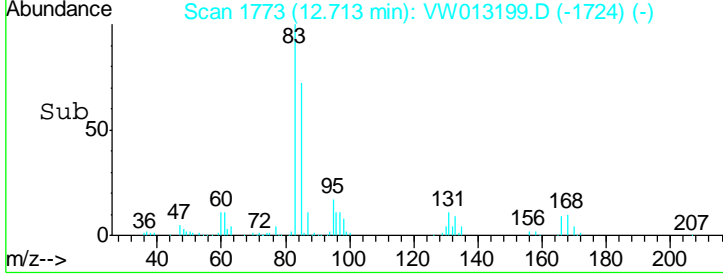
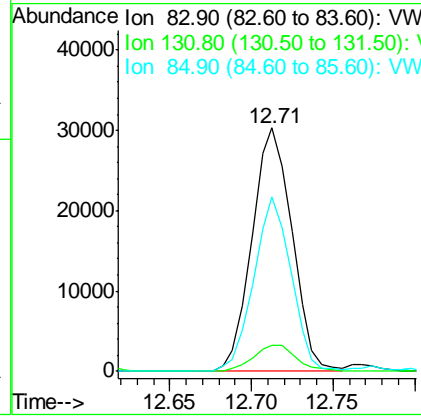
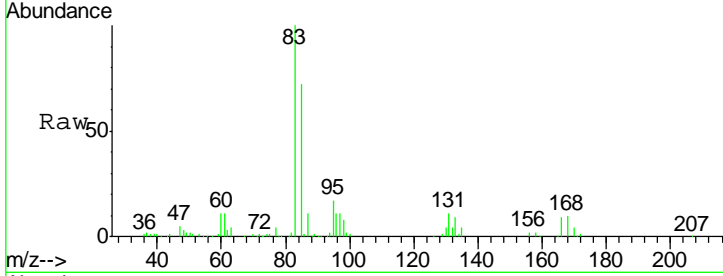


#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.398 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

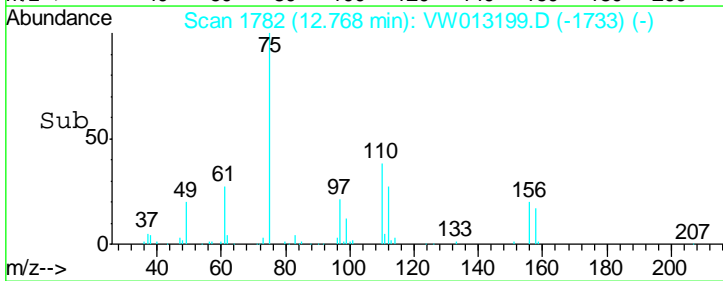
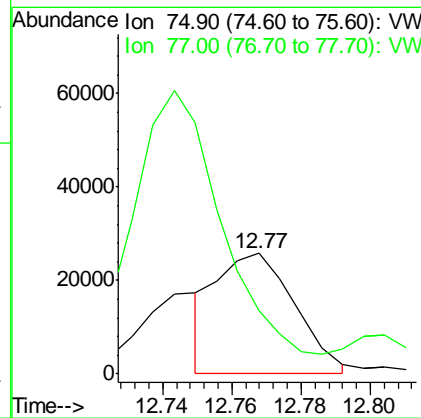
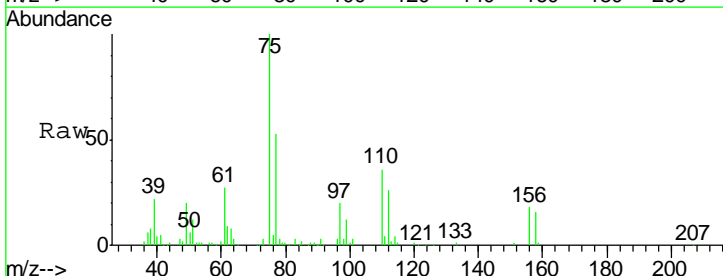
Tgt Ion	Resp	Lower	Upper
83	100		
131	11.8	5.4	16.2
85	67.1	31.9	95.9

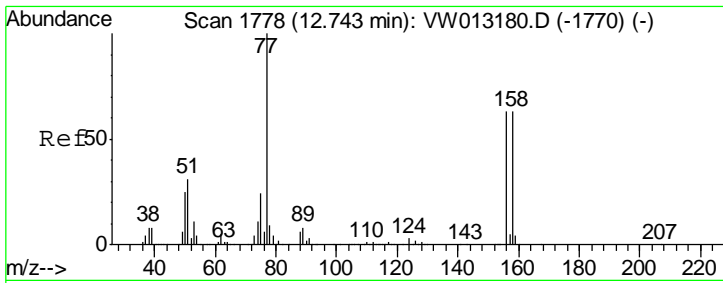
Manual Integrations
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#76
 1,2,3-Trichloropropane
 Concen: 24.495 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0



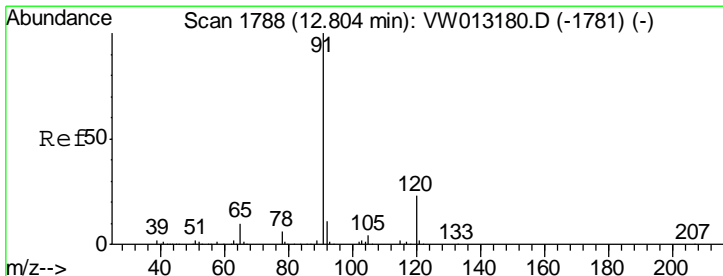
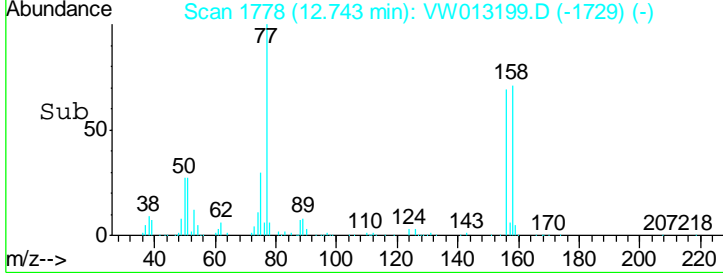
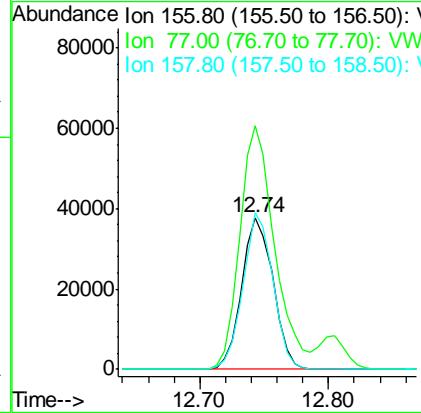
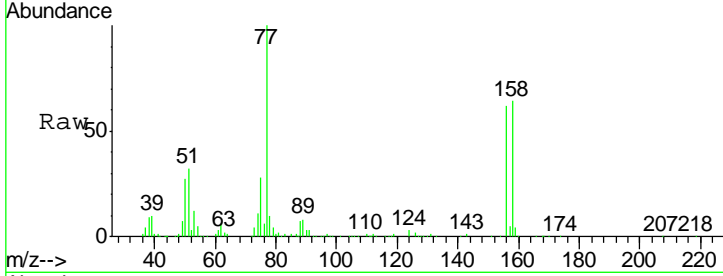


#77
 Bromobenzene
 Concen: 19.395 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

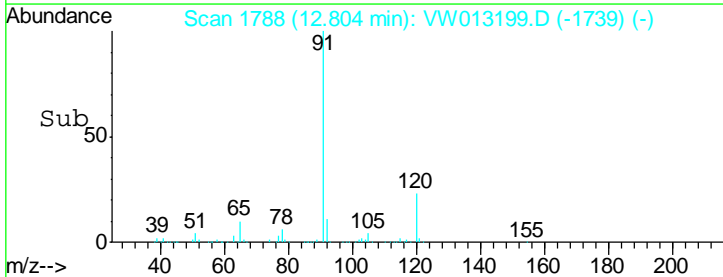
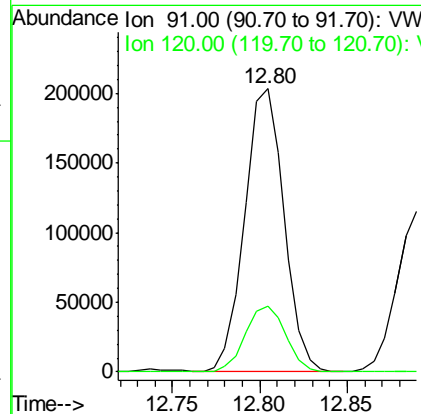
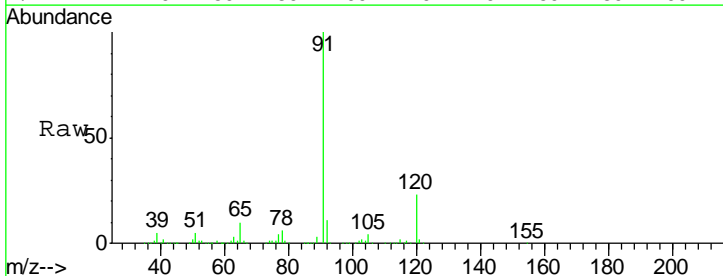
Tgt Ion	Resp	Lower	Upper
156	100		
77	179.3	85.7	257.1
158	98.6	48.1	144.4

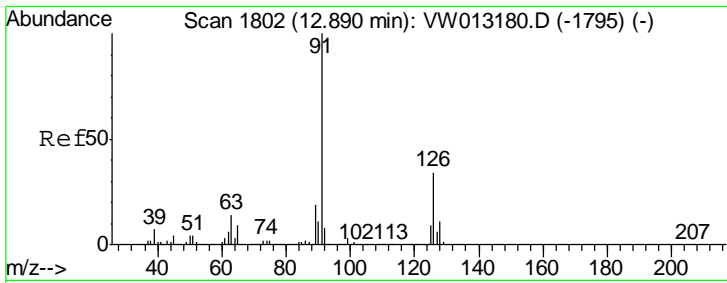
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#78
 n-propylbenzene
 Concen: 19.683 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
91	100		
120	23.8	11.7	35.1



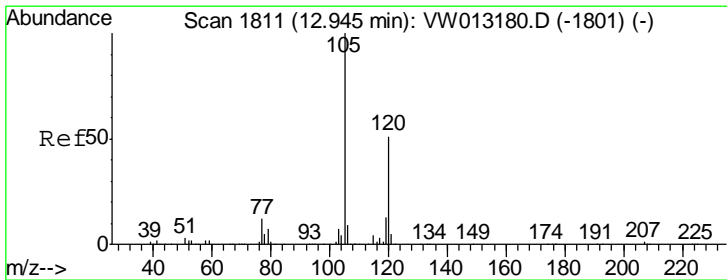
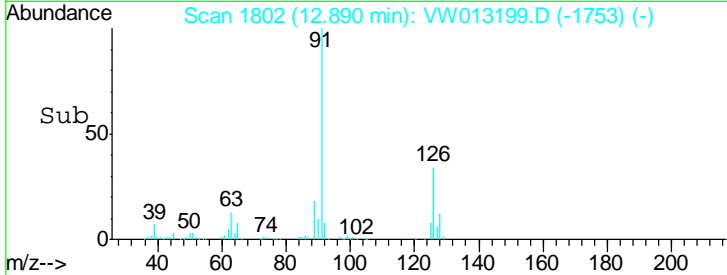
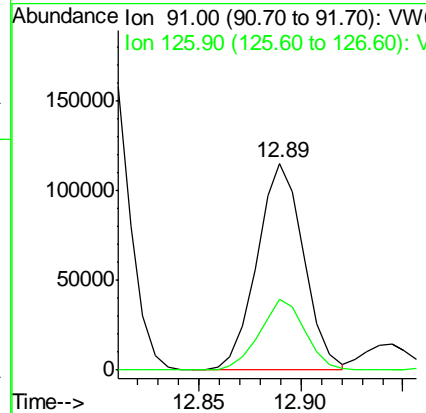
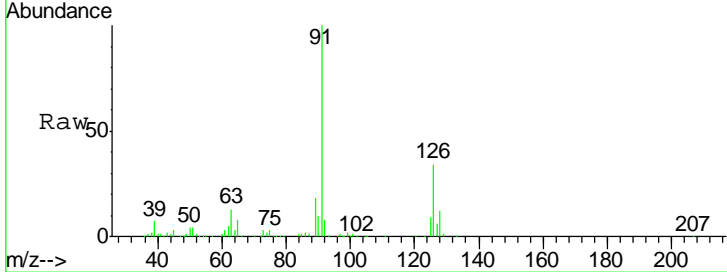


#79
 2-Chlorotoluene
 Concen: 20.134 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 Client Sampled : VW0920SBS02

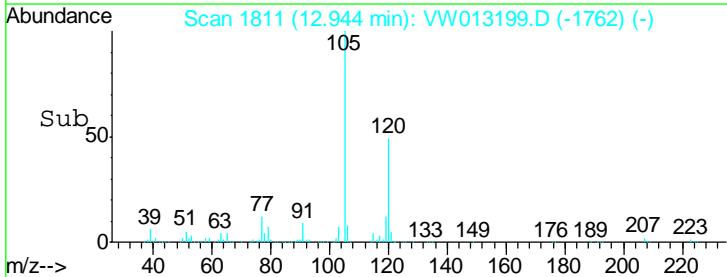
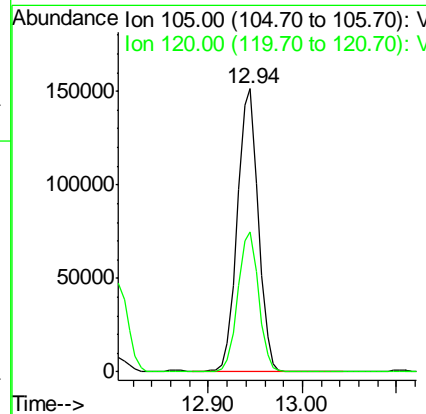
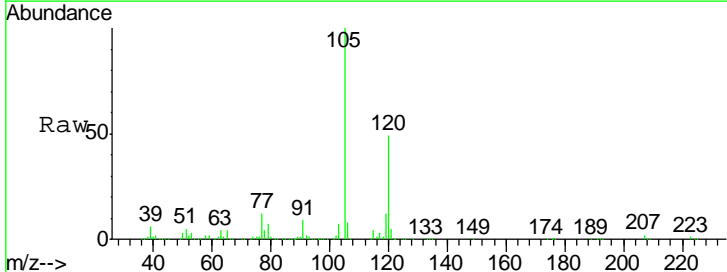
Tgt Ion	Resp	Lower	Upper
91	100		
126	33.2	17.2	51.5

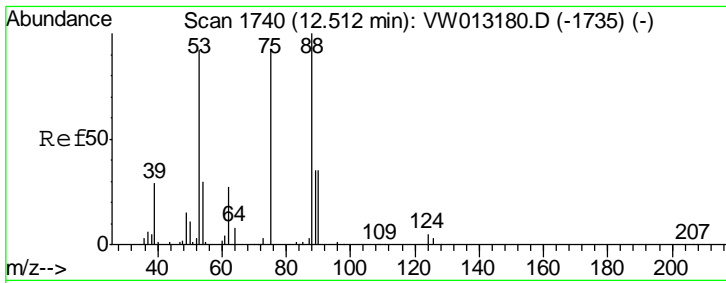
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.101 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.0	24.9	74.8



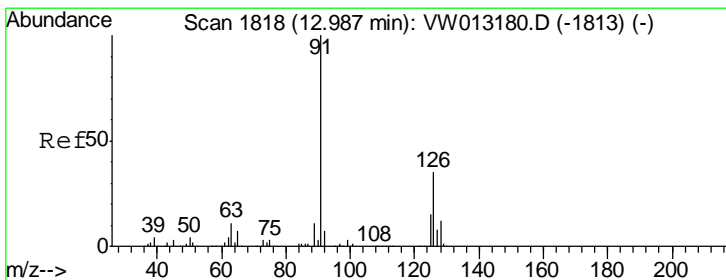
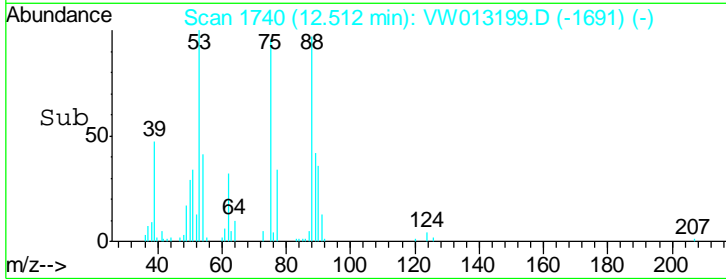
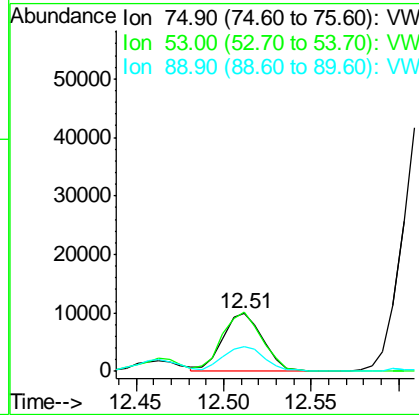
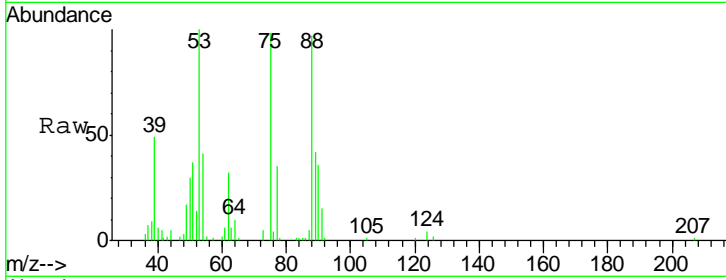


#81
 trans-1,4-Dichloro-2-butene
 Concen: 21.166 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 ClientSampleId : VW0920SBS02

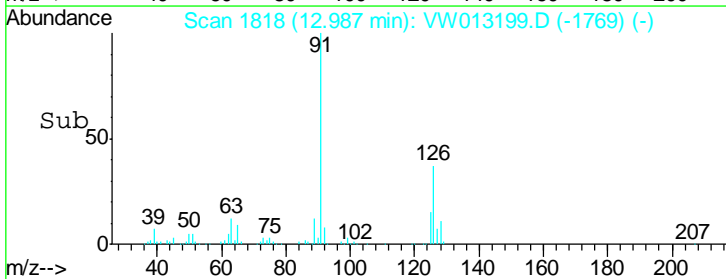
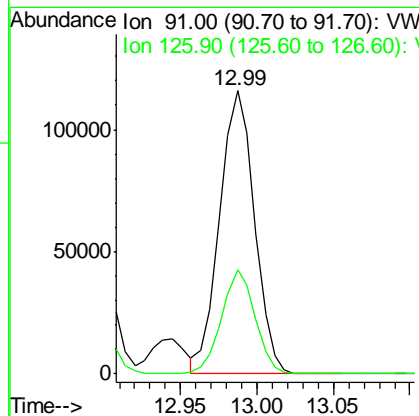
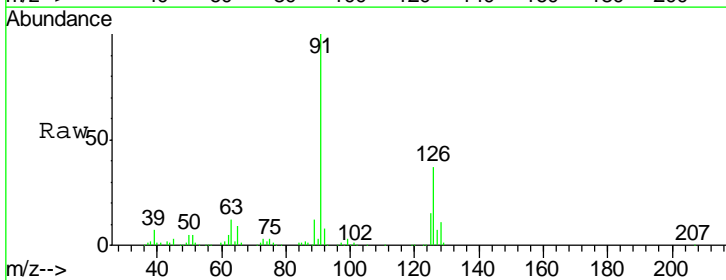
Tgt Ion	Resp	Lower	Upper
75	15579		
75	100		
53	103.6	76.6	114.8
89	43.9	33.5	50.3

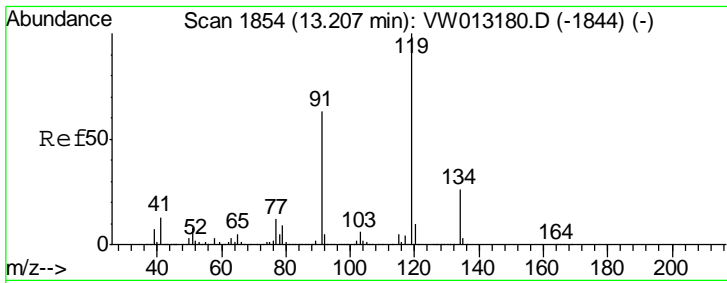
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#82
 4-Chlorotoluene
 Concen: 19.128 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

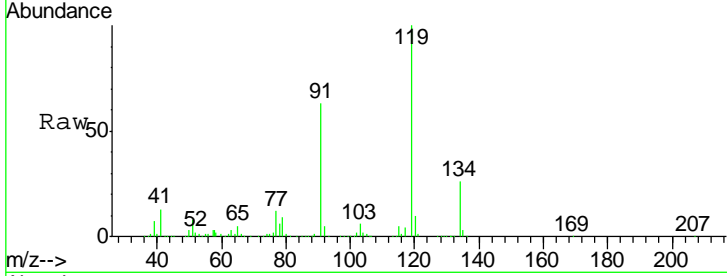
Tgt Ion	Resp	Lower	Upper
91	182740		
91	100		
126	35.7	17.3	51.7





#83
 tert-Butylbenzene
 Concen: 20.070 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

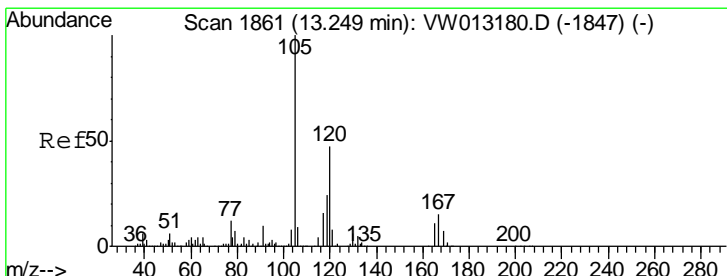
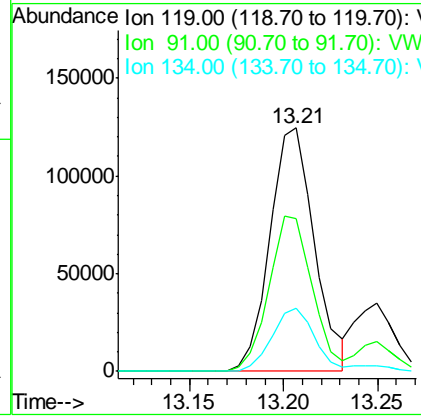
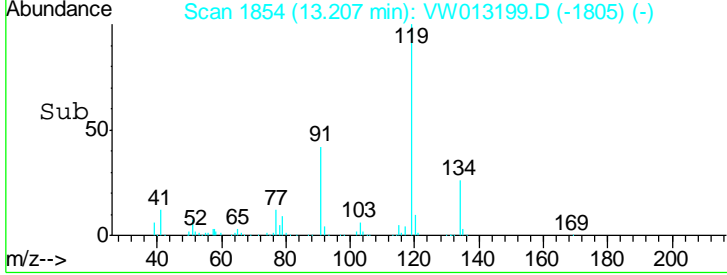
Instrument : MSVOA_W
 ClientSampled : VW0920SBS02



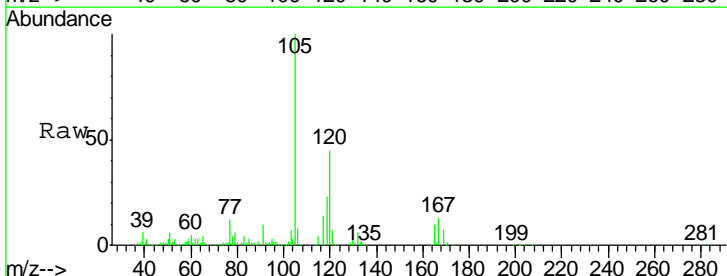
Tgt Ion: 119 Resp: 204570

Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.7	92.1
134	25.1	12.6	37.6

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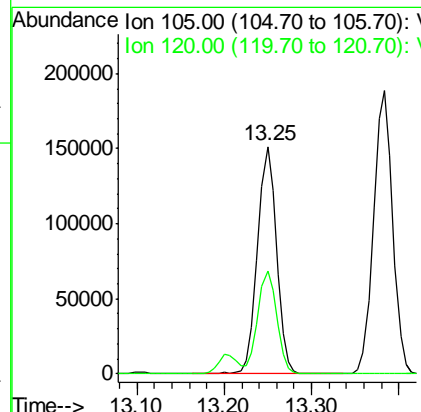
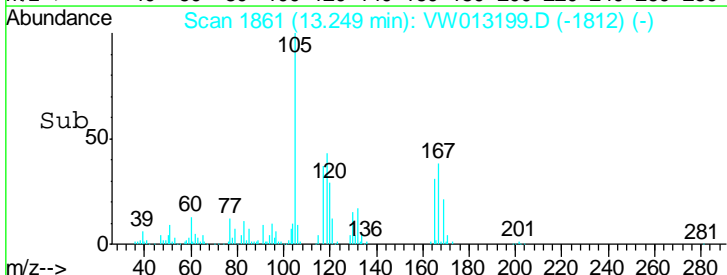


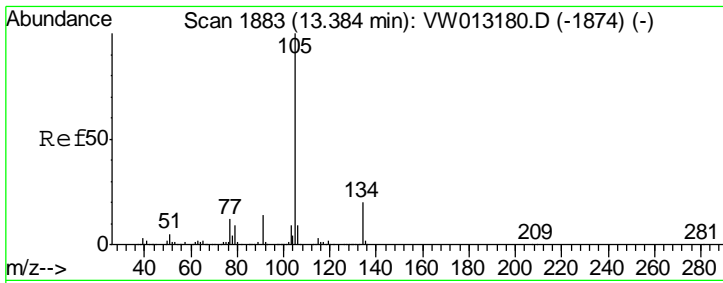
#84
 1,2,4-Trimethylbenzene
 Concen: 19.765 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 105 Resp: 228405

Ion	Ratio	Lower	Upper
105	100		
120	44.8	23.4	70.3



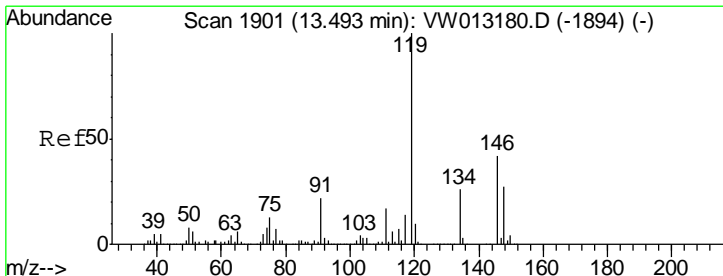
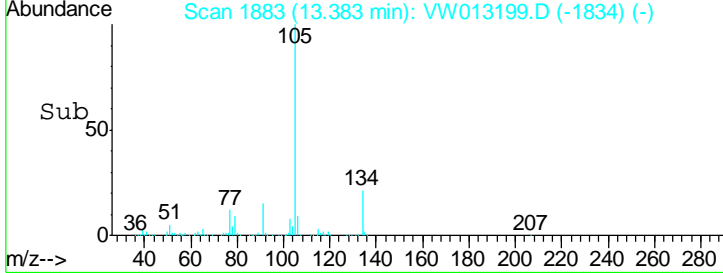
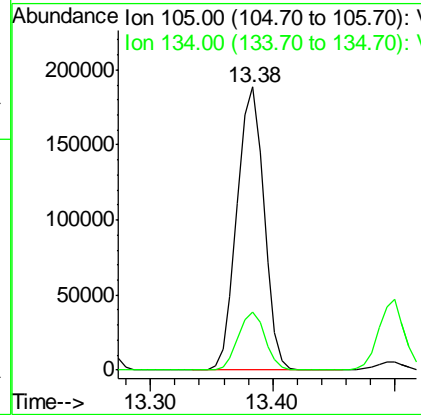
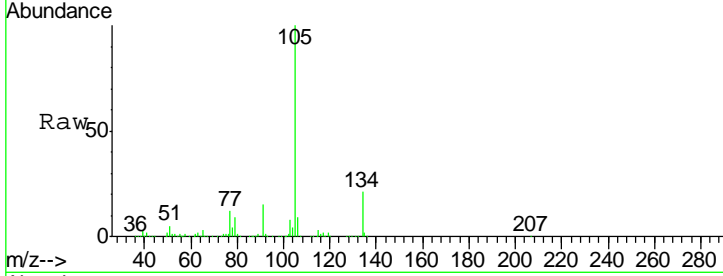


#85
 sec-Butylbenzene
 Concen: 20.498 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0920SBS02

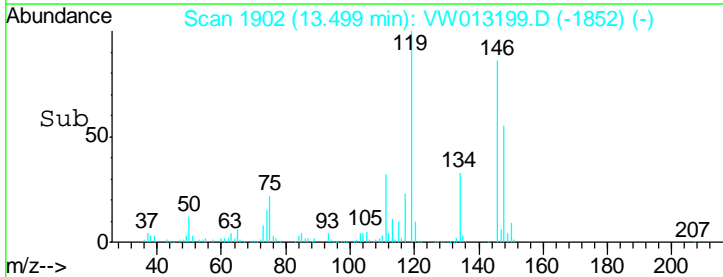
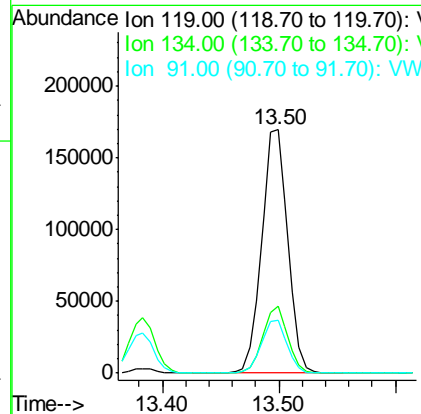
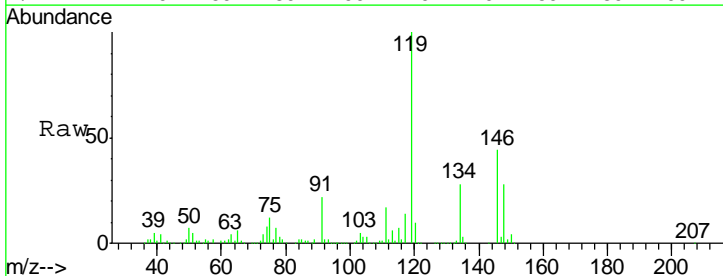
Tgt Ion	Resp	Lower	Upper
105	288055		
105	100		
134	20.4	10.3	30.8

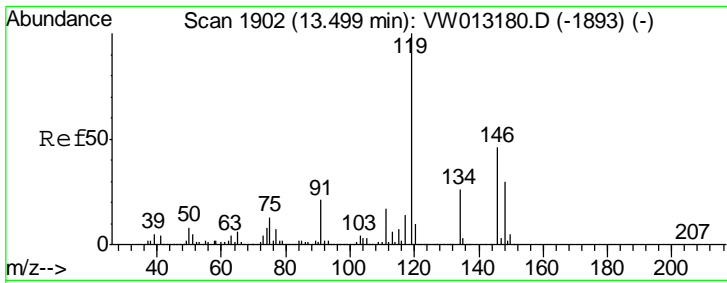
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#86
 p-Isopropyltoluene
 Concen: 20.301 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

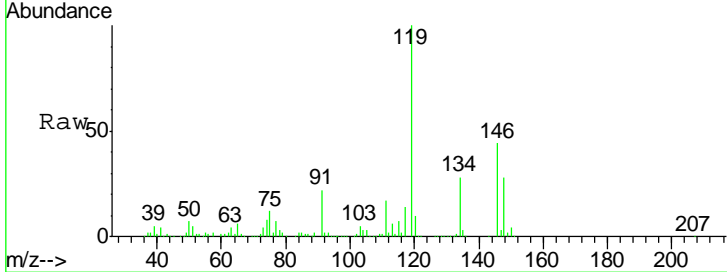
Tgt Ion	Resp	Lower	Upper
119	264597		
119	100		
134	26.2	13.3	39.8
91	21.6	10.8	32.4





#87
 1,3-Dichlorobenzene
 Concen: 19.395 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

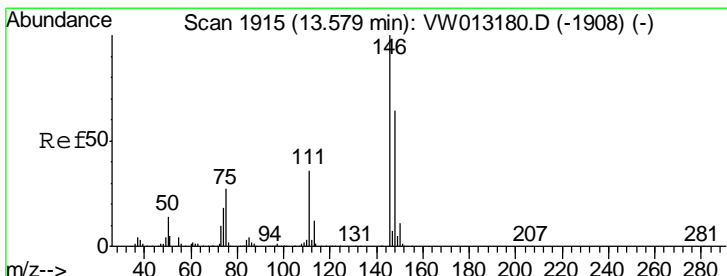
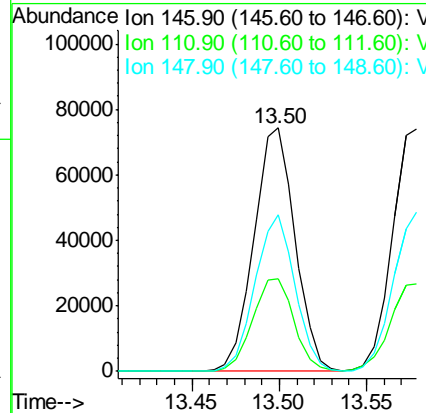
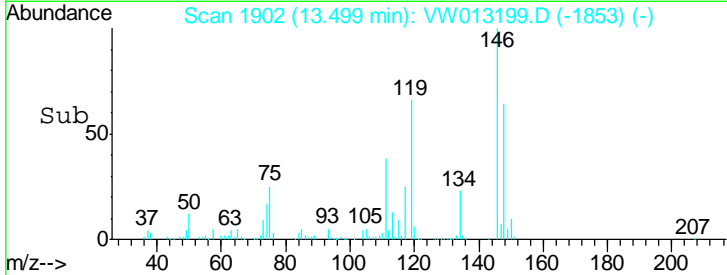
Instrument : MSVOA_W
 Client Sampled : VW0920SBS02



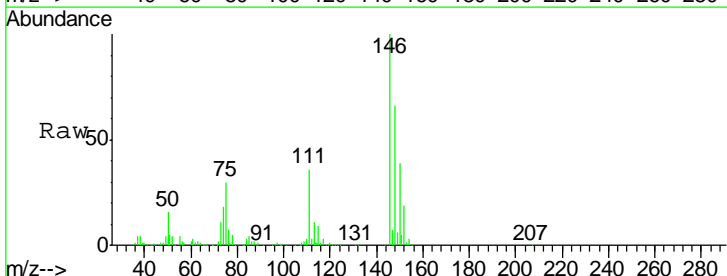
Tgt Ion: 146 Resp: 122202

Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	62.6	31.9	95.5

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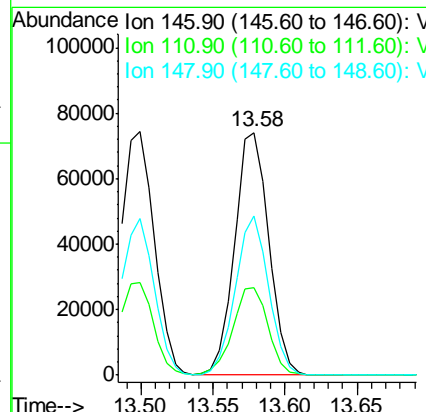
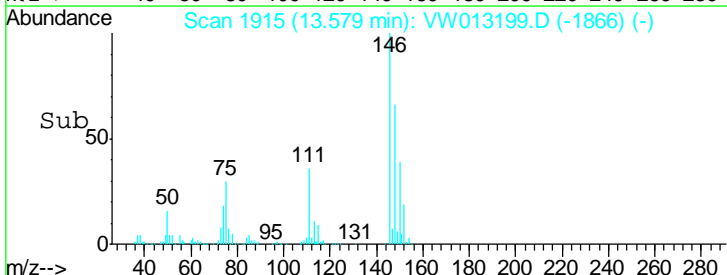


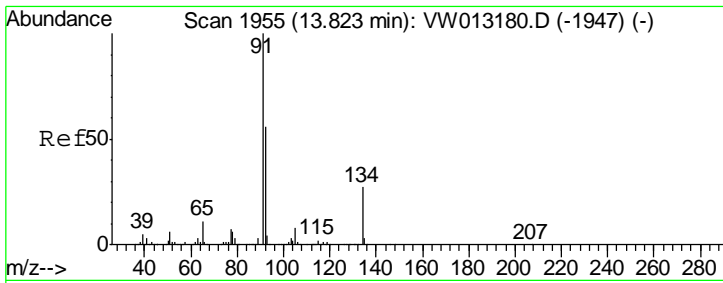
#88
 1,4-Dichlorobenzene
 Concen: 19.889 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion: 146 Resp: 122898

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.0
148	63.8	32.1	96.3



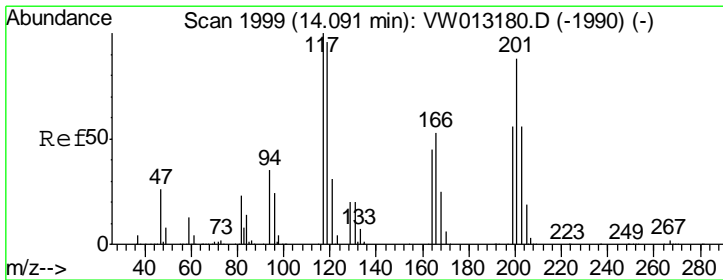
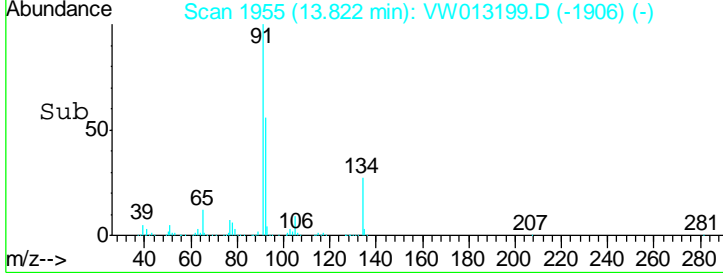
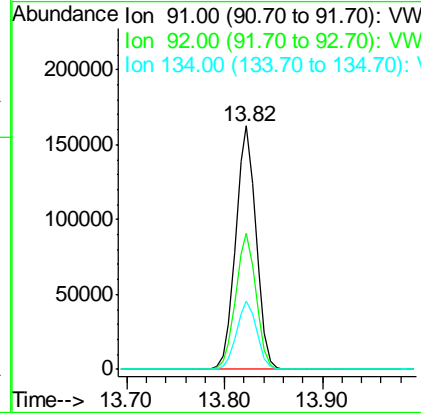
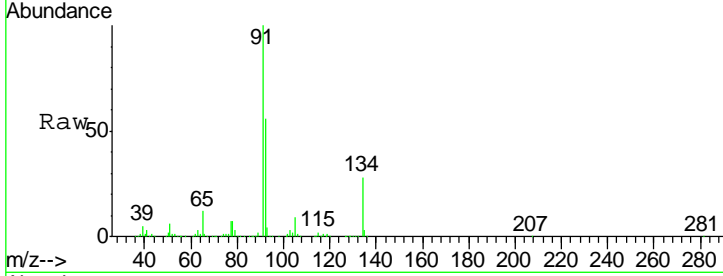


#89
 n-Butylbenzene
 Concen: 19.725 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBS02

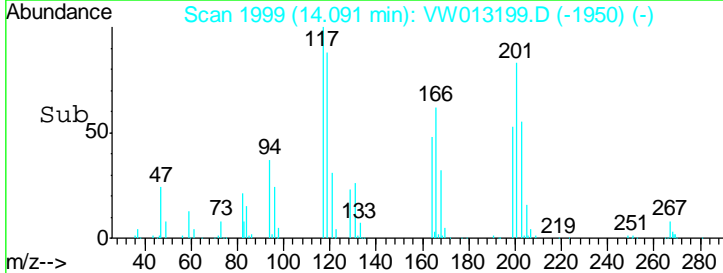
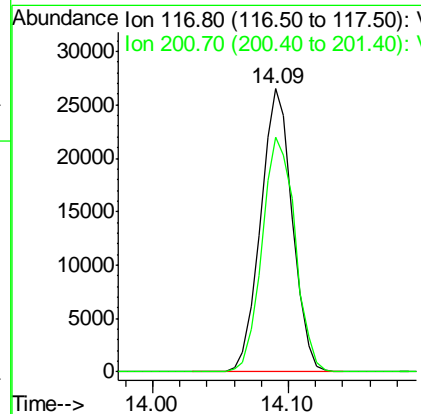
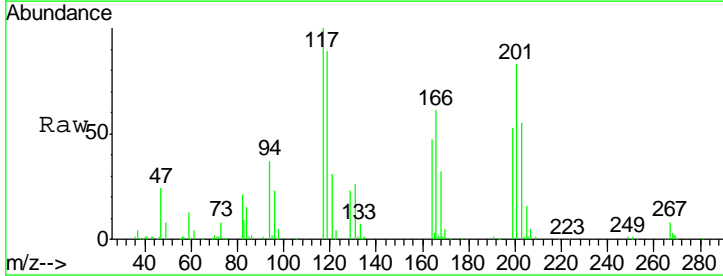
Tgt Ion	Resp	Lower	Upper
91	100		
92	55.9	27.6	82.8
134	27.8	13.7	41.1

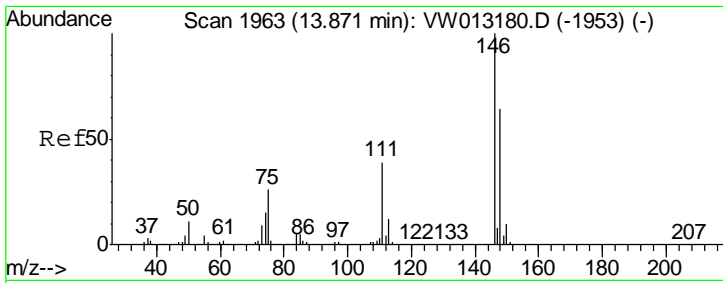
Manual Integrations
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#90
 Hexachloroethane
 Concen: 19.802 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
117	100		
201	86.6	44.5	133.5



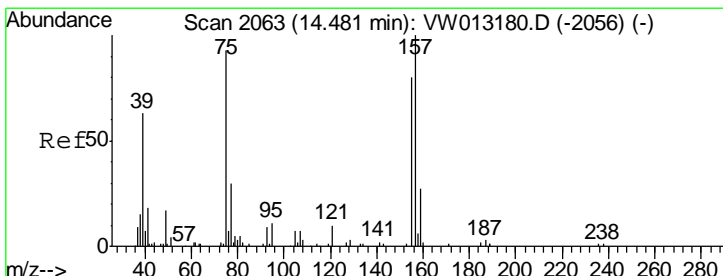
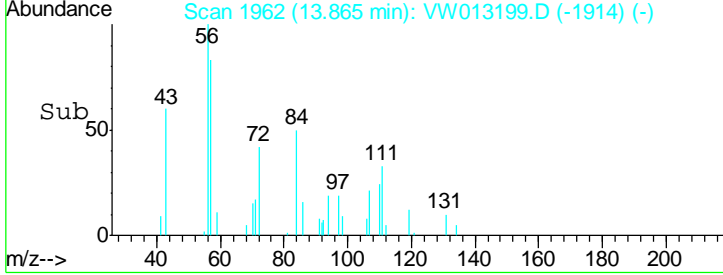
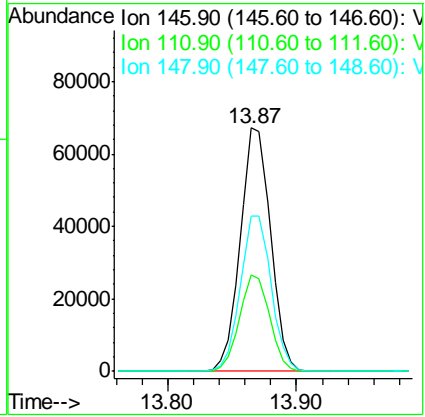
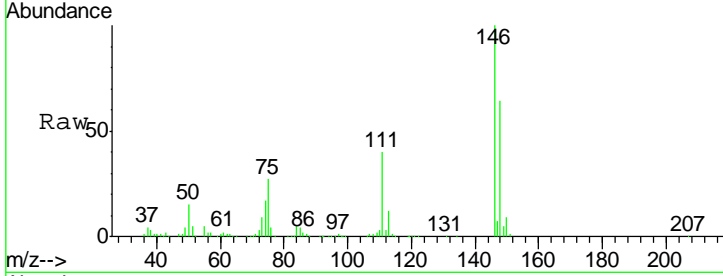


#91
 1,2-Dichlorobenzene
 Concen: 20.044 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

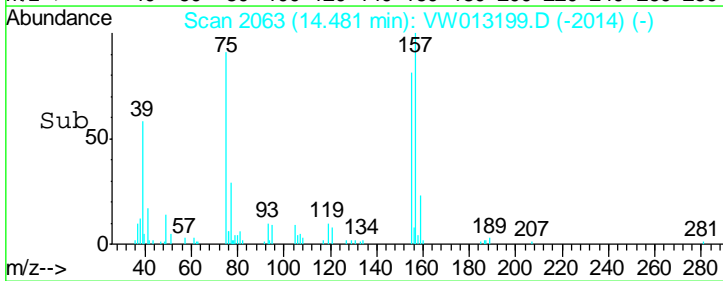
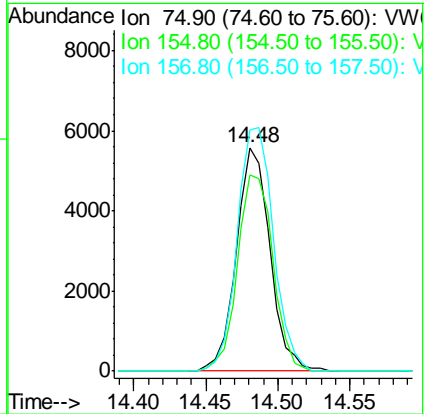
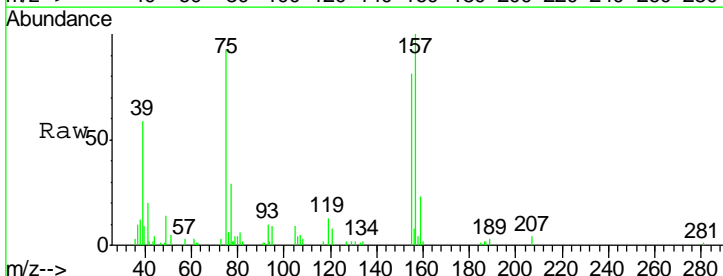
Tgt Ion	Resp	Lower	Upper
146	109256		
111	39.6	20.1	60.3
148	64.9	32.0	96.0

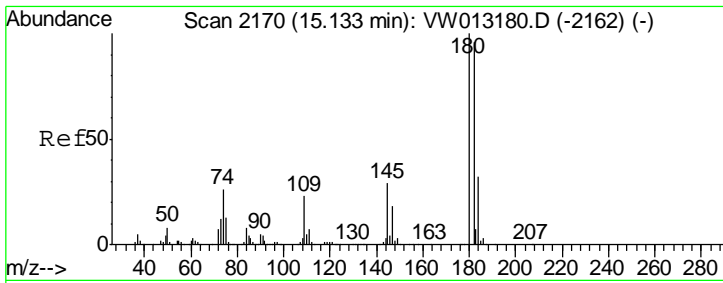
Manual Integrations
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 MMDadoda
 9/24/2019 5:29:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.671 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

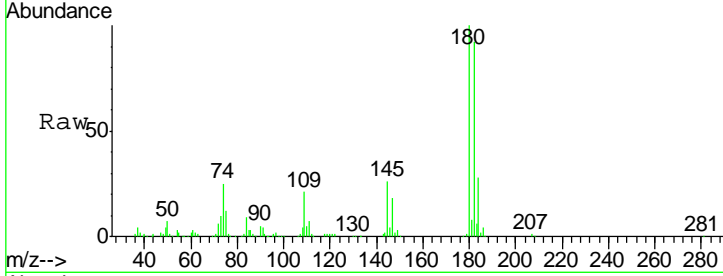
Tgt Ion	Resp	Lower	Upper
75	9072		
155	91.9	46.1	138.3
157	116.7	60.4	181.2





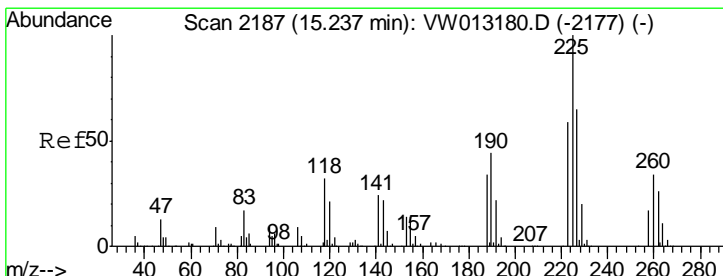
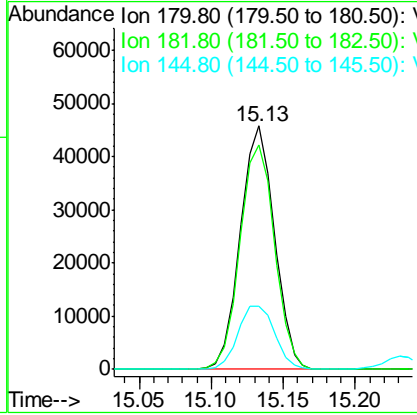
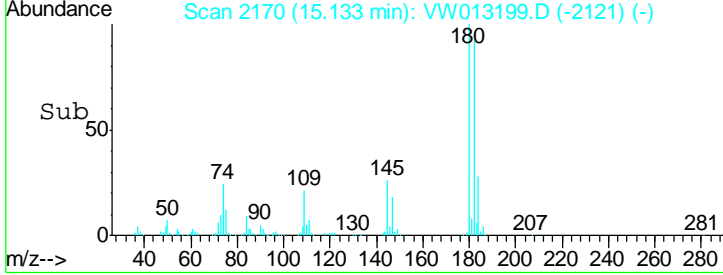
#93
 1,2,4-Trichlorobenzene
 Concen: 19.245 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument : MSVOA_W
 ClientSampled : VW0920SBS02

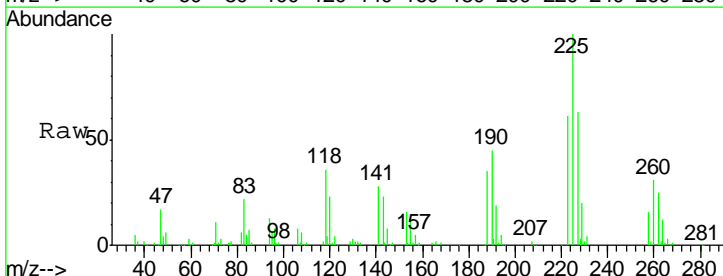


Tgt Ion	Resp	Lower	Upper
180	100		
182	93.8	47.3	142.0
145	28.1	14.2	42.8

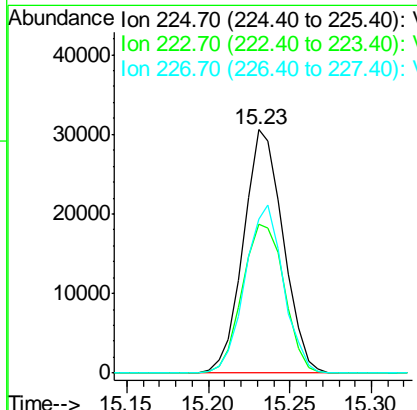
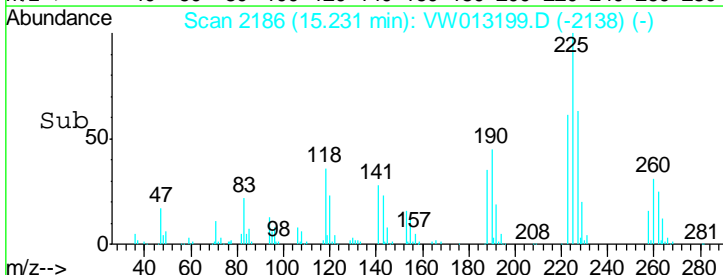
Manual Integrations
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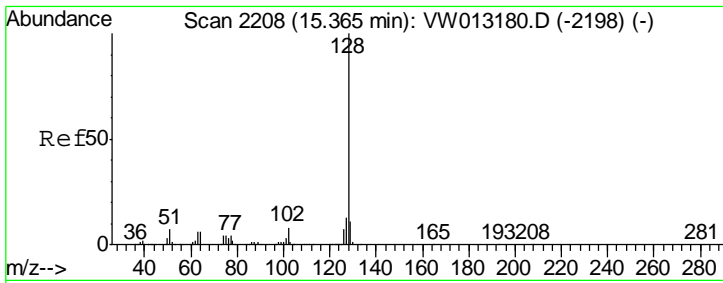


#94
 Hexachlorobutadiene
 Concen: 19.366 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10



Tgt Ion	Resp	Lower	Upper
225	100		
223	64.4	30.6	91.8
227	67.0	31.9	95.9



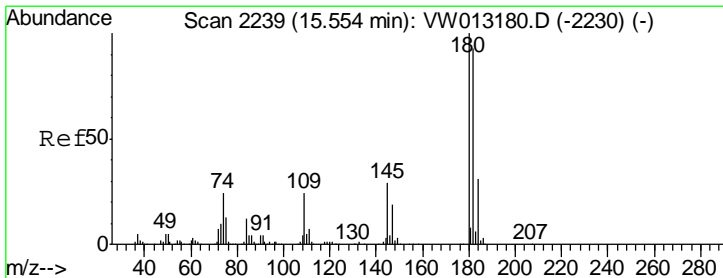
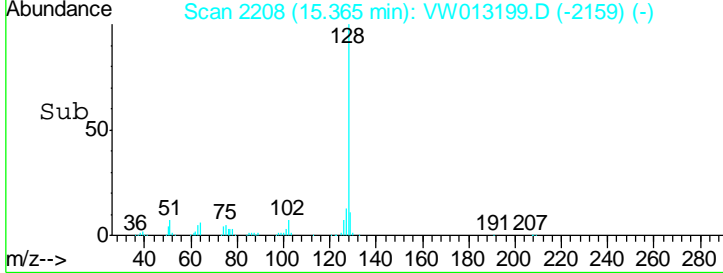
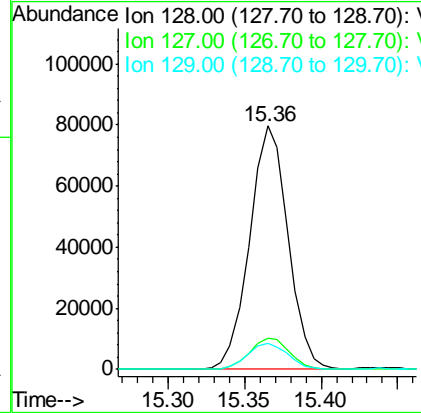
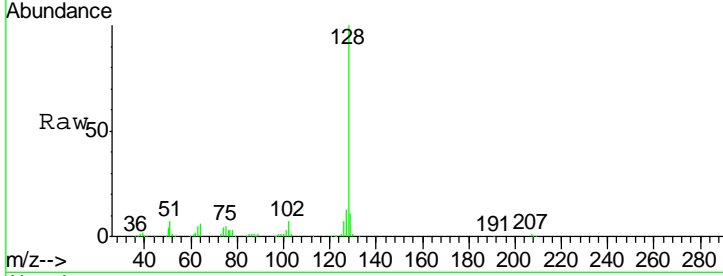


#95
 Naphthalene
 Concen: 21.778 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Instrument :
 MSVOA_W
 Client Sampled :
 VW0920SBS02

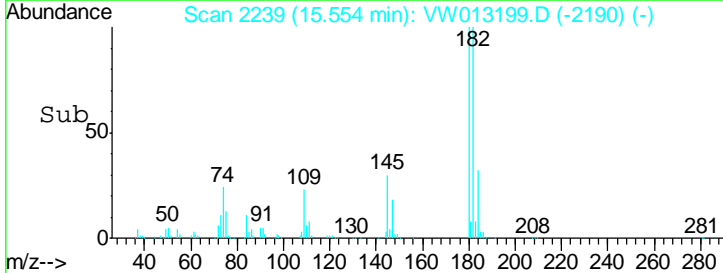
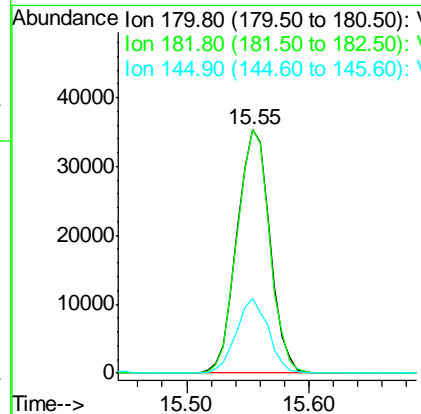
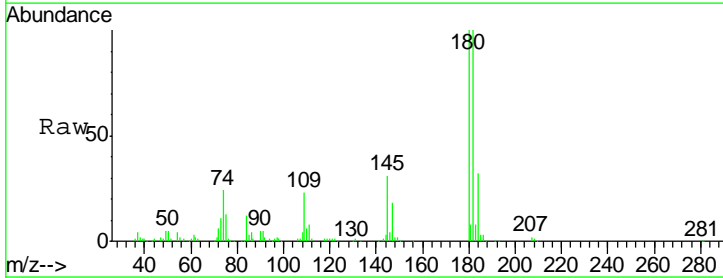
Tgt Ion	Resp	Lower	Upper
128	139120		
127	13.5	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
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#96
 1,2,3-Trichlorobenzene
 Concen: 19.451 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013199.D
 Acq: 20 Sep 2019 23:10

Tgt Ion	Resp	Lower	Upper
180	65645		
182	98.4	47.9	143.7
145	30.1	15.0	45.0





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)MS	SDG No.:	K4939
Lab Sample ID:	K4939-02MS	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	5.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013208.D	1		09/21/19 03:03	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	29.2		0.88	4.80	ug/Kg
74-87-3	Chloromethane	34.0		1.70	4.80	ug/Kg
75-01-4	Vinyl Chloride	36.1		1.10	4.80	ug/Kg
74-83-9	Bromomethane	34.9		0.36	4.80	ug/Kg
75-00-3	Chloroethane	40.3		0.56	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	38.2		0.62	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	44.4		0.77	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	42.2		0.96	4.80	ug/Kg
67-64-1	Acetone	310		7.40	24.1	ug/Kg
75-15-0	Carbon Disulfide	25.6		1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	63.3		1.30	4.80	ug/Kg
79-20-9	Methyl Acetate	120		2.70	4.80	ug/Kg
75-09-2	Methylene Chloride	55.4		5.00	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	42.2		1.20	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	55.4		0.88	4.80	ug/Kg
110-82-7	Cyclohexane	35.8		1.70	4.80	ug/Kg
78-93-3	2-Butanone	320		6.40	24.1	ug/Kg
56-23-5	Carbon Tetrachloride	39.7		0.80	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	53.9		0.95	4.80	ug/Kg
74-97-5	Bromochloromethane	65.8		1.20	4.80	ug/Kg
67-66-3	Chloroform	56.4		0.83	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	51.6		1.00	4.80	ug/Kg
108-87-2	Methylcyclohexane	28.5		1.10	4.80	ug/Kg
71-43-2	Benzene	41.9		0.81	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	47.2		1.20	4.80	ug/Kg
79-01-6	Trichloroethene	52.3		0.90	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	47.2		1.20	4.80	ug/Kg
75-27-4	Bromodichloromethane	48.6		0.96	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	280		5.40	24.1	ug/Kg
108-88-3	Toluene	40.4		0.94	4.80	ug/Kg
10061-02-6	t-1,3-Dichloropropene	41.1		0.97	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	41.0		1.00	4.80	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)MS	SDG No.:	K4939
Lab Sample ID:	K4939-02MS	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	5.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013208.D	1		09/21/19 03:03	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	49.5		1.40	4.80	ug/Kg
591-78-6	2-Hexanone	250		7.10	24.1	ug/Kg
124-48-1	Dibromochloromethane	48.7		1.30	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	45.0		1.30	4.80	ug/Kg
127-18-4	Tetrachloroethene	4000	E	0.67	4.80	ug/Kg
108-90-7	Chlorobenzene	42.9		0.76	4.80	ug/Kg
100-41-4	Ethyl Benzene	38.9		0.82	4.80	ug/Kg
179601-23-1	m/p-Xylenes	73.3		1.60	9.70	ug/Kg
95-47-6	o-Xylene	39.4		1.10	4.80	ug/Kg
100-42-5	Styrene	39.0		0.96	4.80	ug/Kg
75-25-2	Bromoform	52.5		3.20	4.80	ug/Kg
98-82-8	Isopropylbenzene	63.0		0.84	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	92.4		1.00	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	43.9		1.00	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	44.1		1.00	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	45.2		1.20	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	77.5		3.20	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	10.1		1.10	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	10.0		1.20	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	66.3	*	56 - 120	133%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		57 - 135	106%	SPK: 50
2037-26-5	Toluene-d8	48.6		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.7		33 - 141	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.95			
540-36-3	1,4-Difluorobenzene	471000	8.84			
3114-55-4	Chlorobenzene-d5	365000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	94700	13.55			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013208.D
 Acq On : 21 Sep 2019 03:03
 Operator : SY/VA
 Sample : K4939-02MS
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Manual Integrations
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 9/24/2019 5:29:04 AM

Quant Time: Sep 21 06:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	470621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	94730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	145441	66.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.66%	
35) Dibromofluoromethane	7.88	113	137442	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.32	98	525984	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.62	95	131957	35.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	46926	30.280	ug/l	97
3) Chloromethane	2.20	50	70117	35.197	ug/l	98
4) Vinyl Chloride	2.35	62	96061	37.403	ug/l	98
5) Bromomethane	2.76	94	58907	36.193	ug/l	98
6) Chloroethane	2.90	64	63168	41.726	ug/l	98
7) Trichlorofluoromethane	3.25	101	58595	39.566	ug/l	96
8) Diethyl Ether	3.67	74	72596	57.390	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	110859	45.979	ug/l	100
10) Methyl Iodide	4.27	142	149834	40.082	ug/l	100
11) Tert butyl alcohol	5.19	59	59087	379.580	ug/l	98
12) 1,1-Dichloroethene	4.04	96	109265	43.763	ug/l	98
14) Allyl chloride	4.66	41	154253	38.820	ug/l	98
15) Acrylonitrile	5.37	53	185522	339.795	ug/l	99
16) Acetone	4.12	43	160073	323.723	ug/l	98
17) Carbon Disulfide	4.38	76	191070	26.477	ug/l	99
18) Methyl Acetate	4.67	43	176039	126.650	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	251143	65.632	ug/l	98
20) Methylene Chloride	4.91	84	144152	57.434	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	118011	43.732	ug/l	97
22) Diisopropyl ether	6.31	45	467910	61.925	ug/l	95
23) Vinyl Acetate	6.26	43	137110	30.587	ug/l	99
24) 1,1-Dichloroethane	6.21	63	261632	57.381	ug/l	98
25) 2-Butanone	7.17	43	242738	327.013	ug/l	97
26) 2,2-Dichloropropane	7.16	77	109319	39.362	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	158940	55.811	ug/l	97
28) Bromochloromethane	7.51	49	119290	68.167	ug/l	99
29) Tetrahydrofuran	7.52	42	155072	340.652	ug/l	100
30) Chloroform	7.67	83	261081	58.486	ug/l	98
31) Cyclohexane	7.95	56	176357	37.105	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	193321	53.471	ug/l	99
36) 1,1-Dichloropropene	8.08	75	167028	36.643	ug/l	98
37) Ethyl Acetate	7.25	43	89344	46.118	ug/l	98
38) Carbon Tetrachloride	8.07	117	168005	41.115	ug/l	98
39) Methylcyclohexane	9.33	83	173101	29.550	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013208.D
 Acq On : 21 Sep 2019 03:03
 Operator : SY/VA
 Sample : K4939-02MS
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:29:04 AM

Quant Time: Sep 21 06:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	551709	43.392	ug/l	100
41) Methacrylonitrile	7.48	41	58532	50.623	ug/l	93
42) 1,2-Dichloroethane	8.40	62	167035	48.871	ug/l	100
43) Isopropyl Acetate	8.42	43	187680	50.547	ug/l	98
44) Trichloroethene	9.09	130	193369	54.206	ug/l	99
45) 1,2-Dichloropropane	9.37	63	151968	48.957	ug/l	99
46) Dibromomethane	9.46	93	73113	48.514	ug/l	98
47) Bromodichloromethane	9.64	83	192929	50.311	ug/l	97
48) Methyl methacrylate	9.43	41	110188	63.111	ug/l	98
49) 1,4-Dioxane	9.46	88	28721	1269.617	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	535726	287.809	ug/l	99
52) Toluene	10.38	92	341534	41.913	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	167692	42.564	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	203600	42.503	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	115638	51.336	ug/l	98
56) Ethyl methacrylate	10.65	69	128109	43.457	ug/l	99
57) 1,3-Dichloropropane	10.93	76	188341	47.914	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	402476	294.908	ug/l	100
59) 2-Hexanone	10.97	43	333586	260.485	ug/l	99
60) Dibromochloromethane	11.13	129	128987m	50.430	ug/l	
61) 1,2-Dibromoethane	11.23	107	99921	46.655	ug/l	100
64) Tetrachloroethene	10.87	164	11508232	4160.321	ug/l	95
65) Chlorobenzene	11.65	112	338458	44.457	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	137428	52.839	ug/l	99
67) Ethyl Benzene	11.73	91	555502	40.271	ug/l	100
68) m/p-Xylenes	11.83	106	399074	75.921	ug/l	99
69) o-Xylene	12.16	106	199601	40.843	ug/l	99
70) Styrene	12.18	104	338730	40.373	ug/l	99
71) Bromoform	12.35	173	74698	54.363	ug/l	100
73) Isopropylbenzene	12.46	105	457107	65.322	ug/l	99
74) N-amyl acetate	12.27	43	70364	45.314	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112029	95.725	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	91610m	109.504	ug/l	
77) Bromobenzene	12.74	156	124361	74.994	ug/l	93
78) n-propylbenzene	12.80	91	428983	52.372	ug/l	100
79) 2-Chlorotoluene	12.89	91	287648	62.682	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	293489	49.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25586	68.627	ug/l	93
82) 4-Chlorotoluene	12.99	91	270881	55.976	ug/l	100
83) tert-Butylbenzene	13.21	119	274930	53.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	269688	46.073	ug/l	99
85) sec-Butylbenzene	13.38	105	283535	39.833	ug/l	99
86) p-Isopropyltoluene	13.50	119	228418	34.597	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	145107	45.467	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	143082	45.713	ug/l	99
89) n-Butylbenzene	13.82	91	140315	23.275	ug/l	98
90) Hexachloroethane	14.09	117	59249	53.420	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	129183	46.788	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14369	80.271	ug/l	96
93) 1,2,4-Trichlorobenzene	15.13	180	20672	10.448	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013208.D
 Acq On : 21 Sep 2019 03:03
 Operator : SY/VA
 Sample : K4939-02MS
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Manual Integrations
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Quant Time: Sep 21 06:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	19225	14.203	ug/l	96
95) Naphthalene	15.36	128	83511	25.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	17659	10.330	ug/l	97

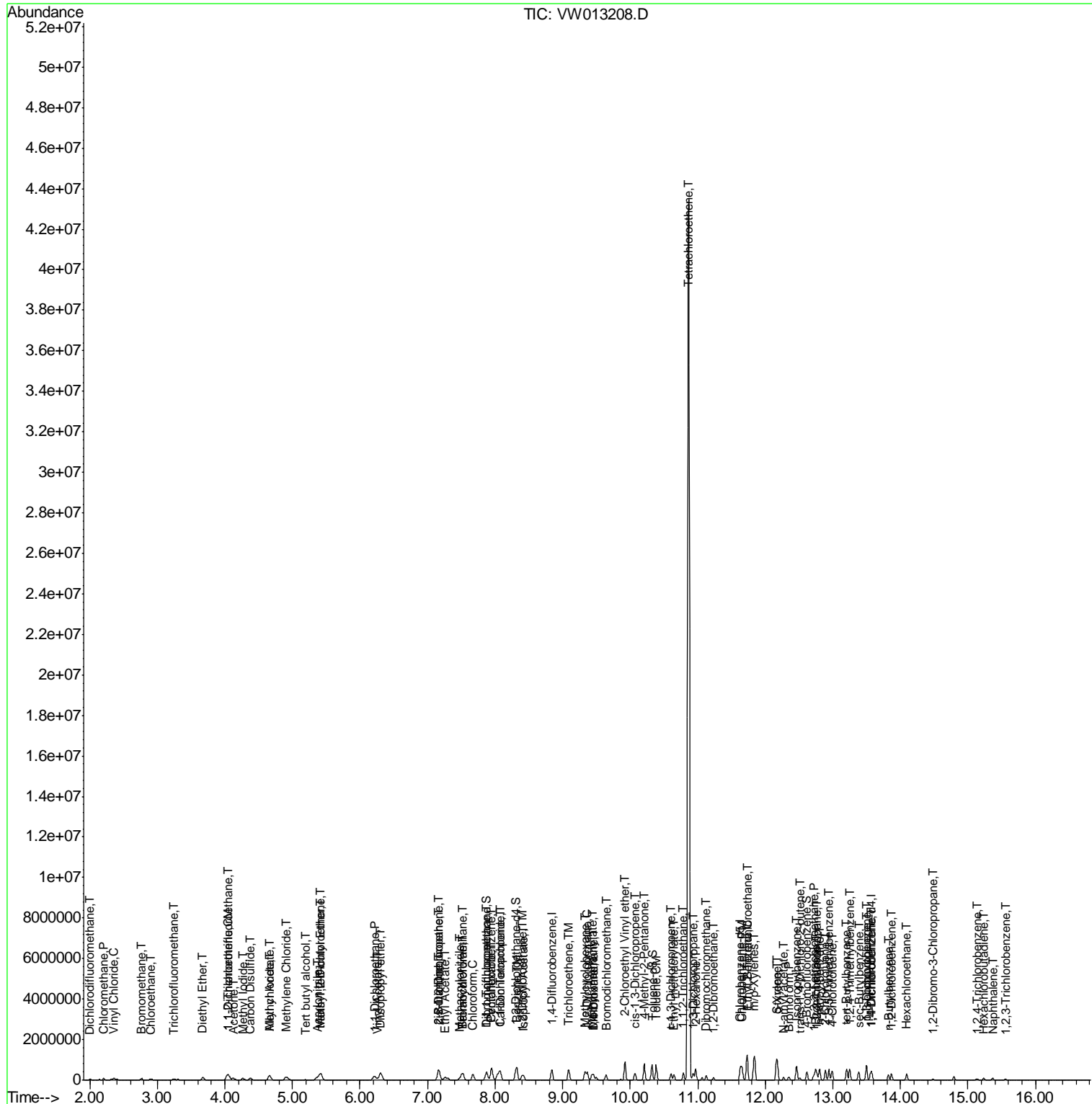
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013208.D
 Acq On : 21 Sep 2019 03:03
 Operator : SY/VA
 Sample : K4939-02MS
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

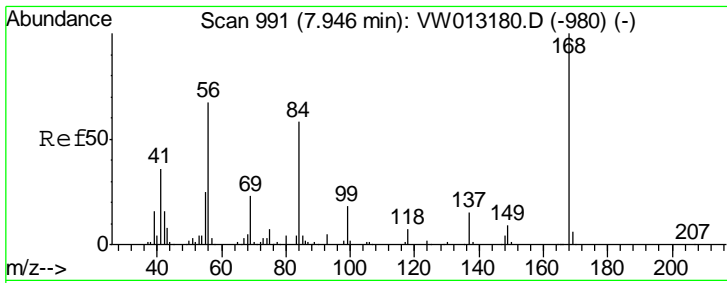
Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

Manual Integrations
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Quant Time: Sep 21 06:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration



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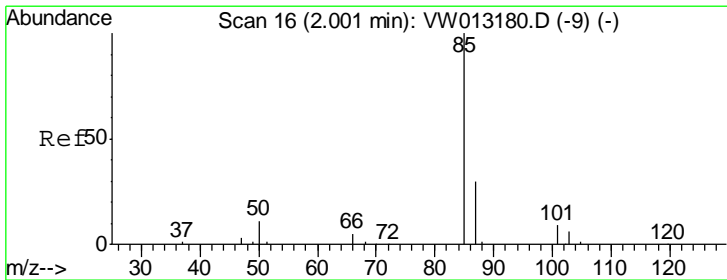
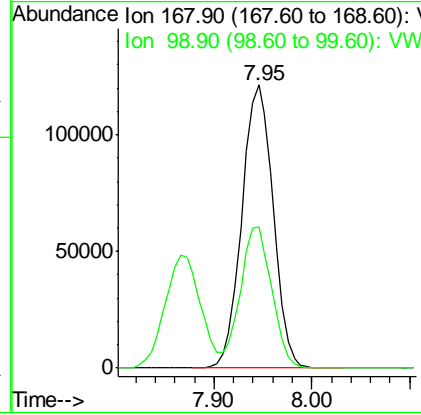
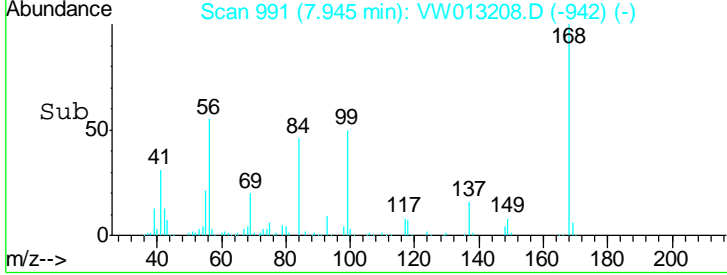
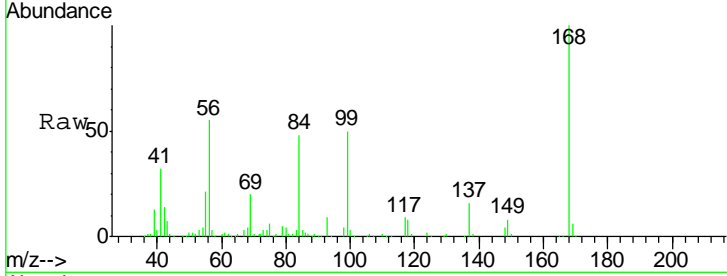


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.8	40.2	60.4

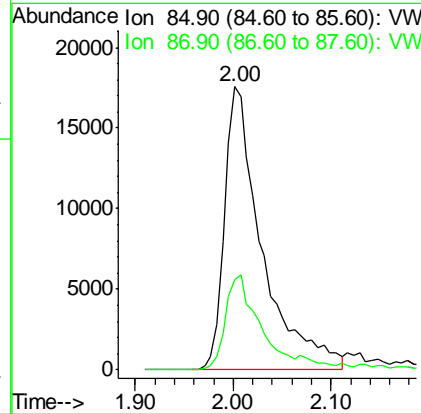
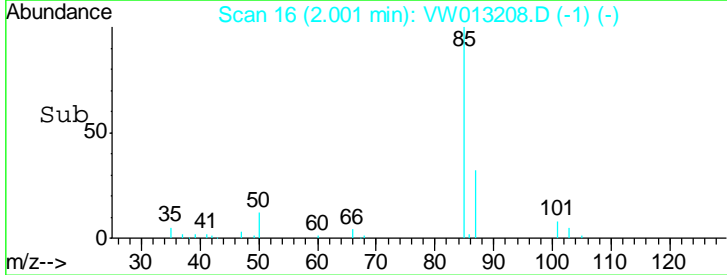
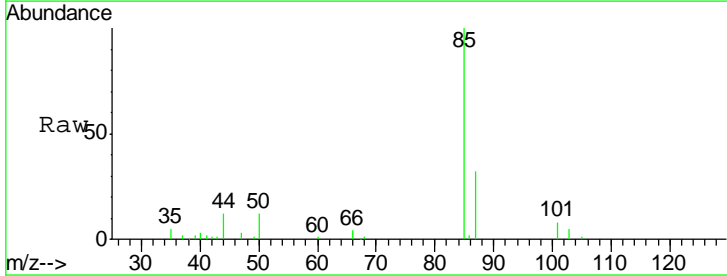
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

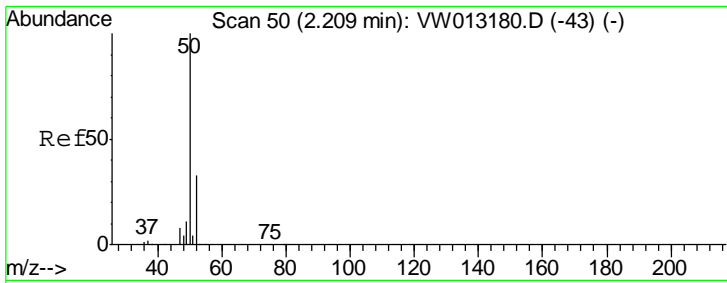
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#2
 Dichlorodifluoromethane
 Concen: 30.280 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.0	15.1	45.3



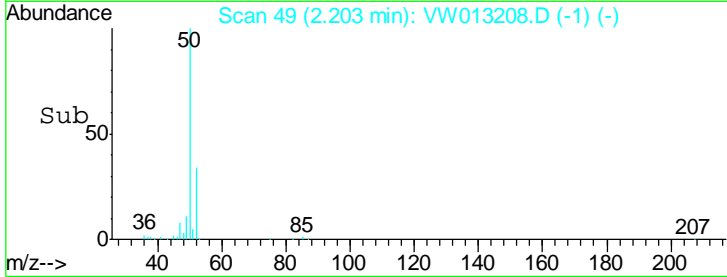
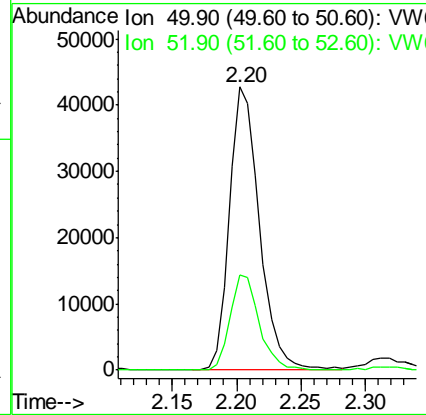
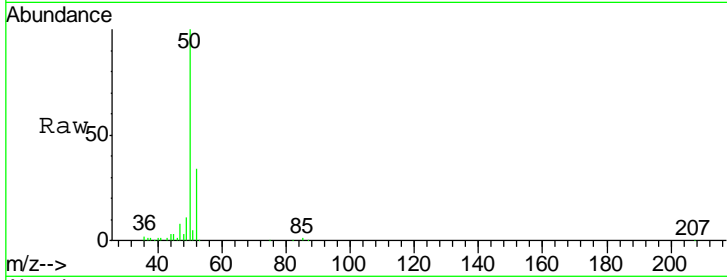


#3
 Chloromethane
 Concen: 35.197 ug/l
 RT: 2.20 min Scan# 49
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

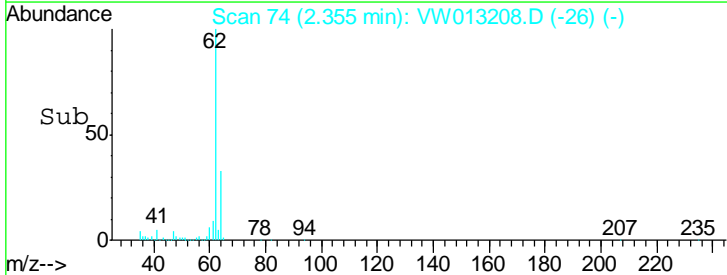
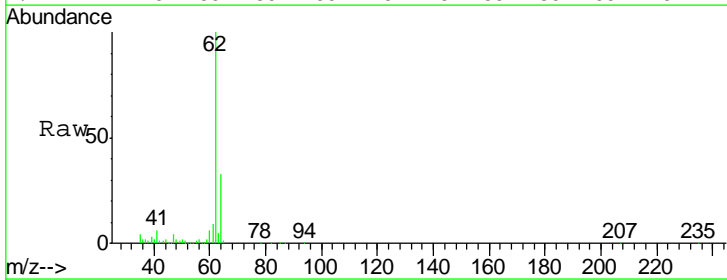
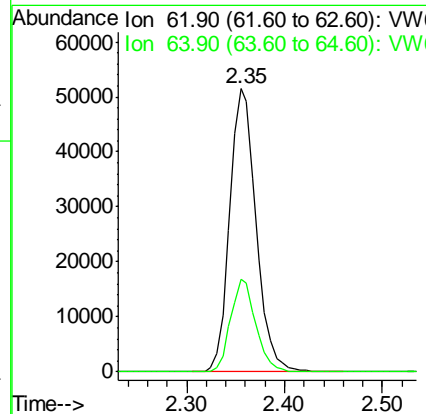
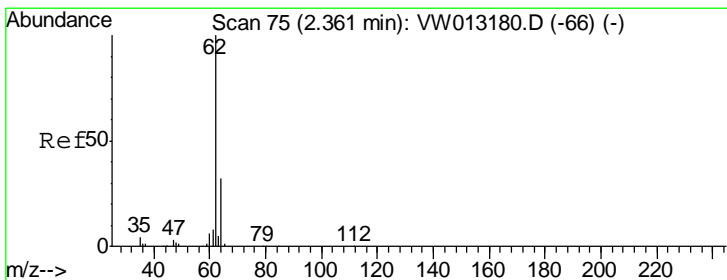
Tgt Ion	Resp	Lower	Upper
50	70117		
52	33.6	26.1	39.1

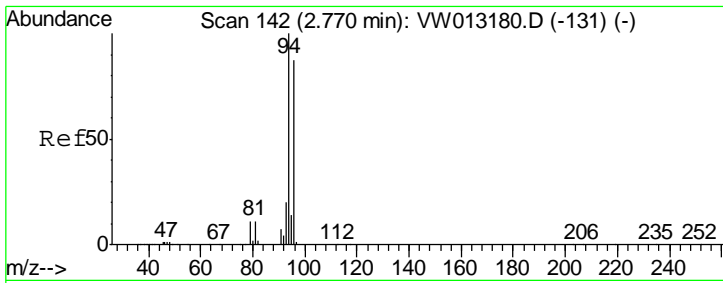
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#4
 Vinyl Chloride
 Concen: 37.403 ug/l
 RT: 2.35 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
62	96061		
64	33.0	25.3	37.9



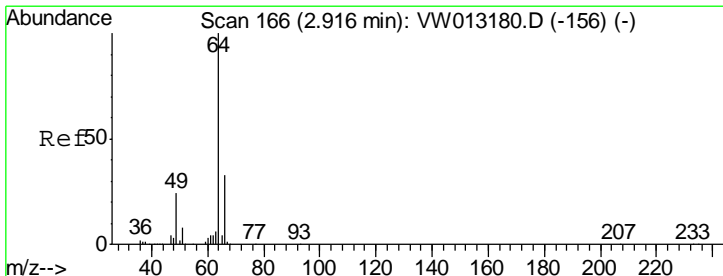
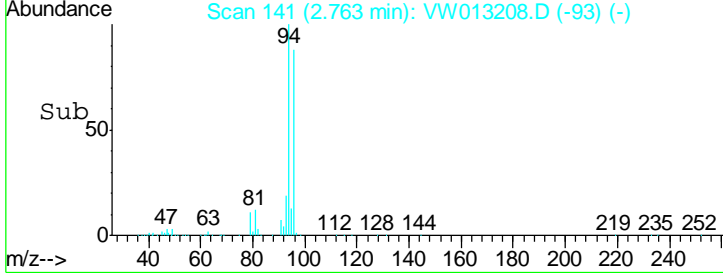
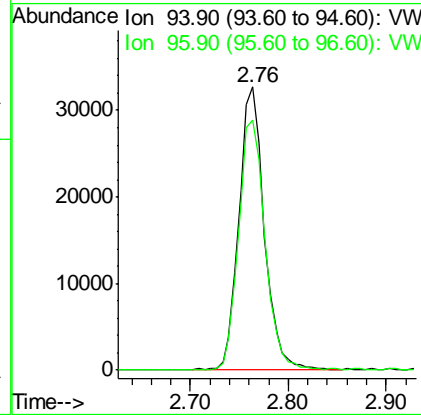
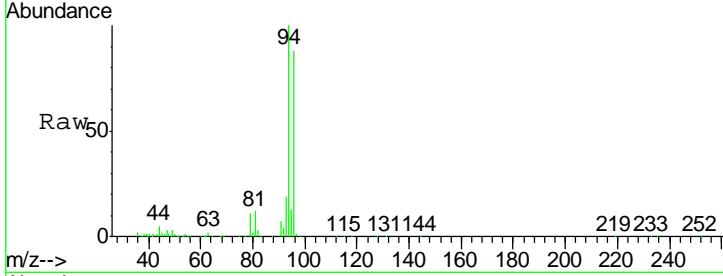


#5
 Bromomethane
 Concen: 36.193 ug/l
 RT: 2.76 min Scan# 141
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
94	100		
96	88.5	69.7	104.5

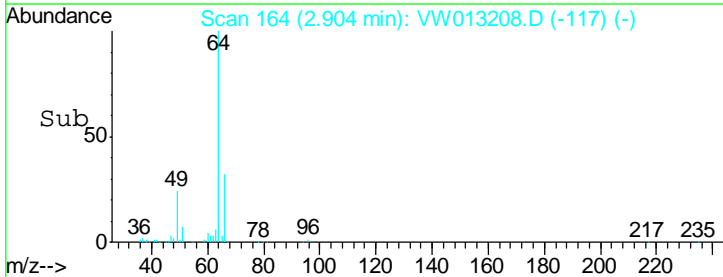
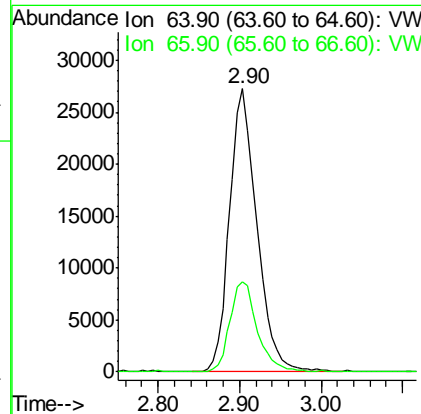
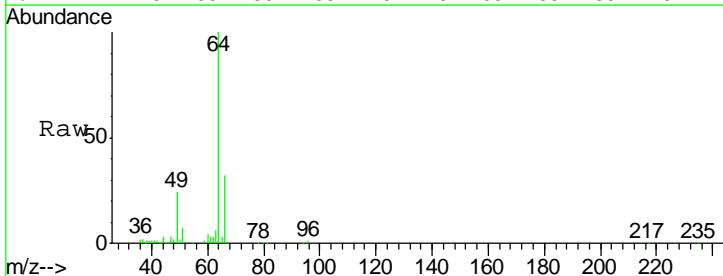
Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

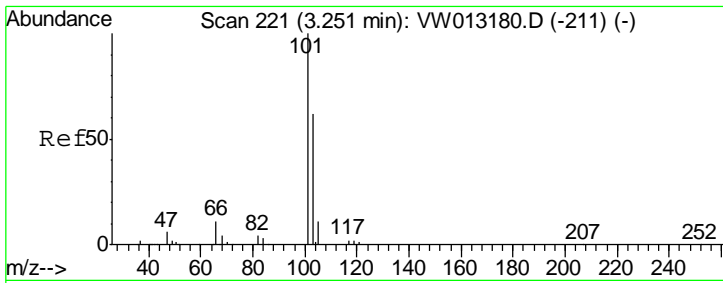
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#6
 Chloroethane
 Concen: 41.726 ug/l
 RT: 2.90 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.0	26.6	39.8



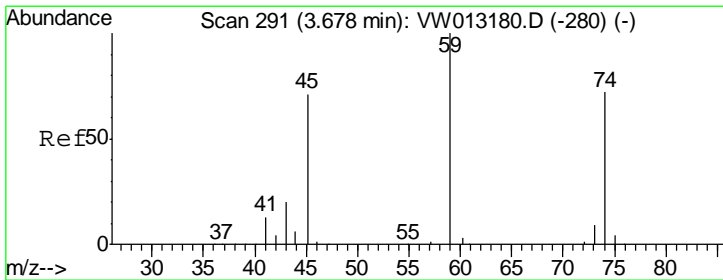
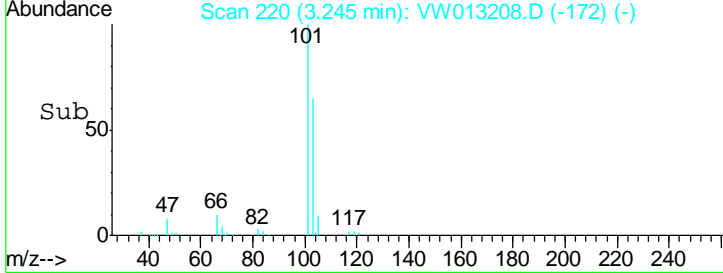
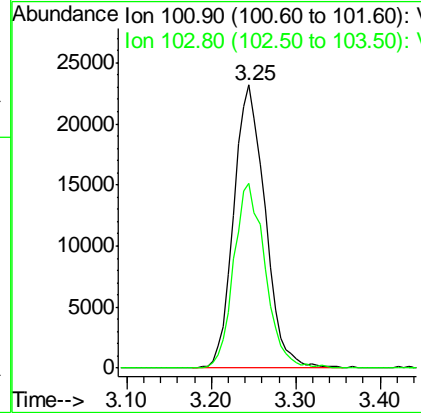
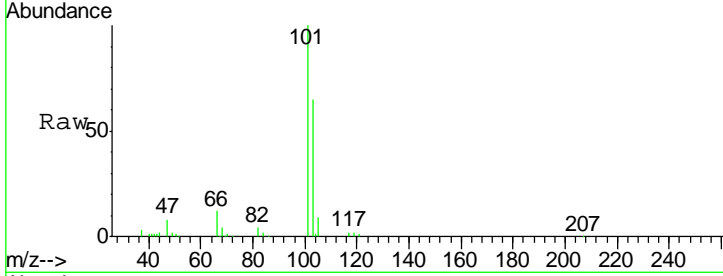


#7
 Trichlorofluoromethane
 Concen: 39.566 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	49.7	74.5

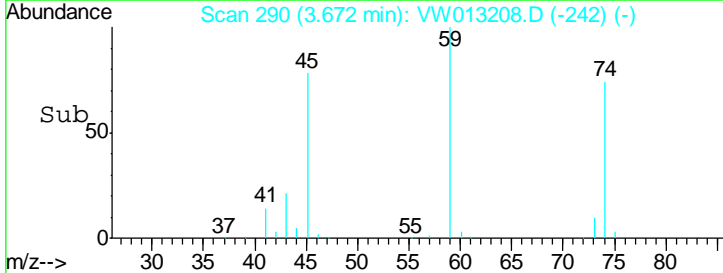
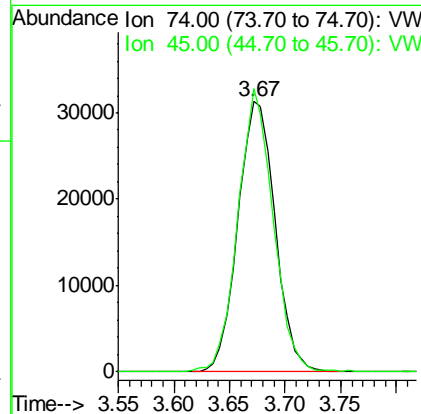
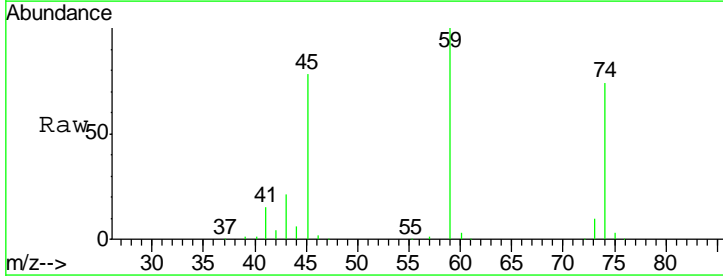
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

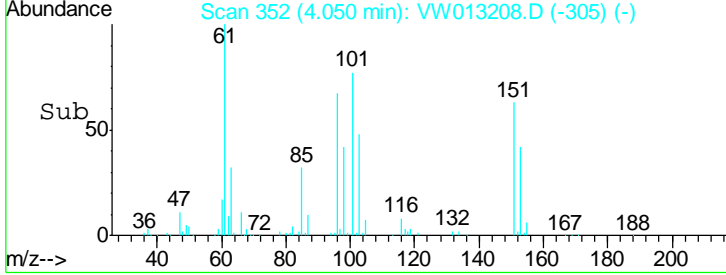
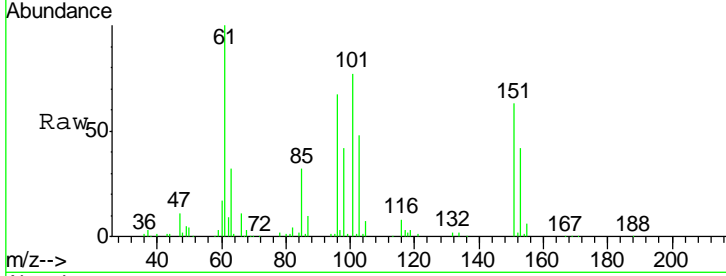
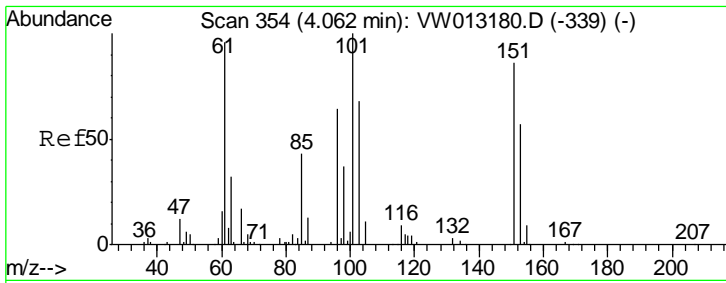
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#8
 Diethyl Ether
 Concen: 57.390 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.5	148.7



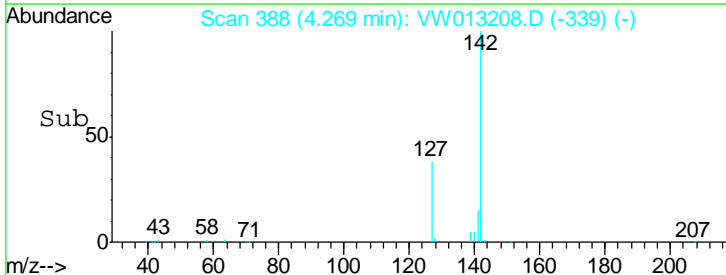
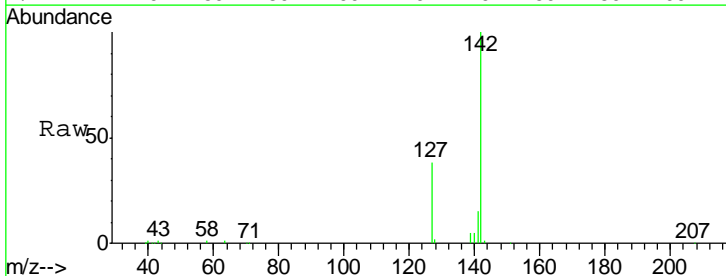
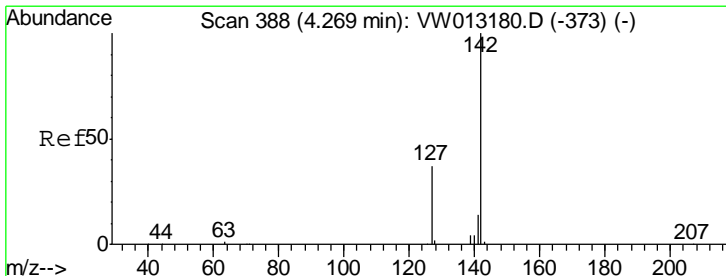
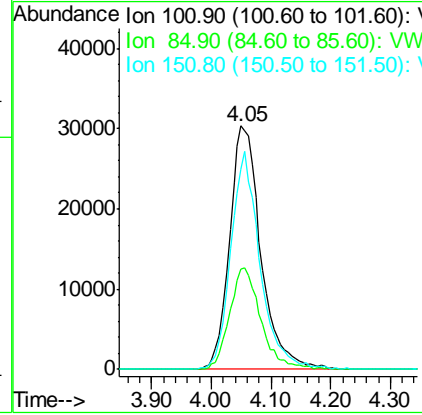


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.979 ug/l
 RT: 4.05 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
101	110859		
101	100		
85	41.5	33.4	50.0
151	83.6	66.9	100.3

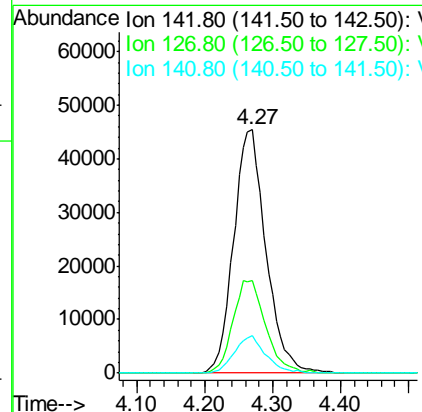
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

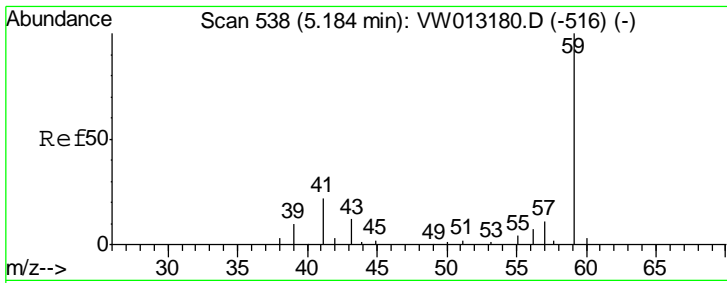
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#10
 Methyl Iodide
 Concen: 40.082 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
142	149834		
142	100		
127	38.6	30.9	46.3
141	14.9	11.7	17.5



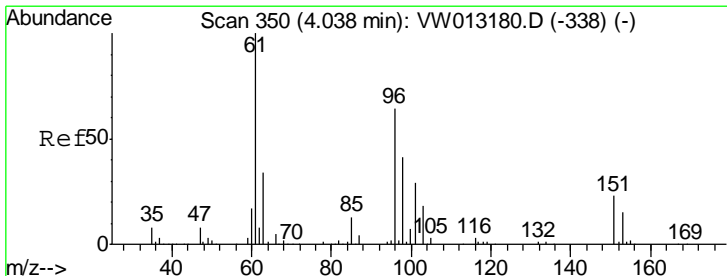
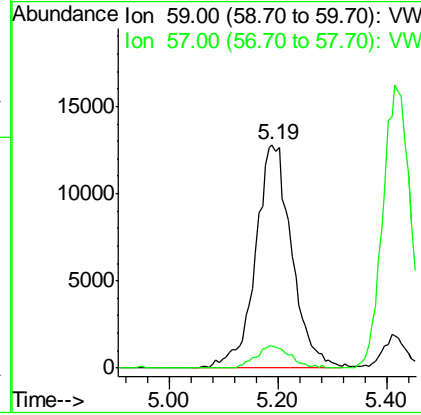
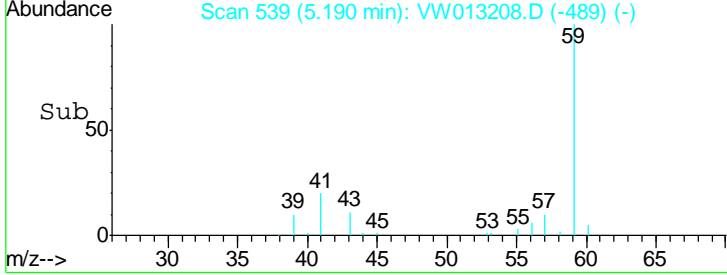
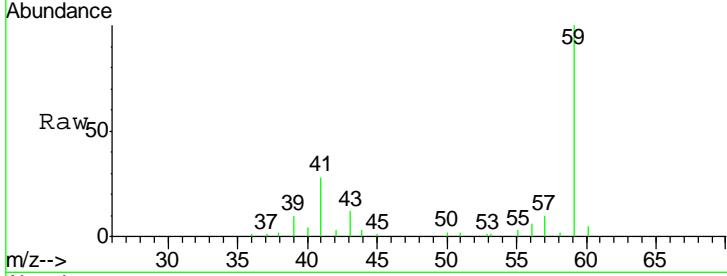


#11
 Tert butyl alcohol
 Concen: 379.580 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.3	8.2	12.2

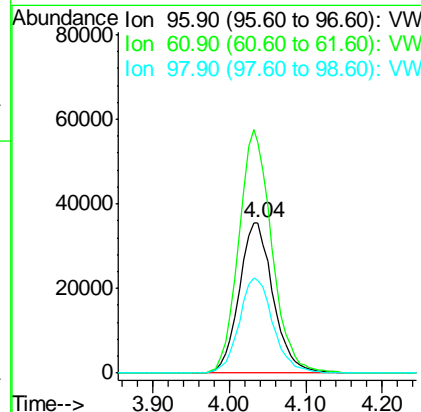
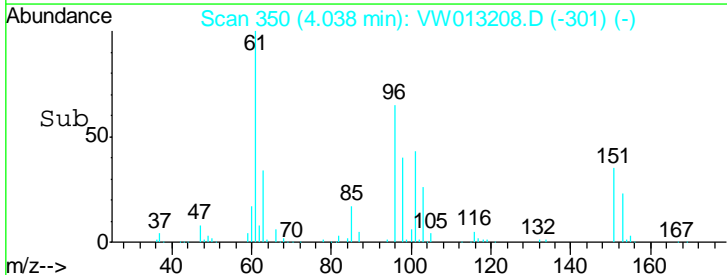
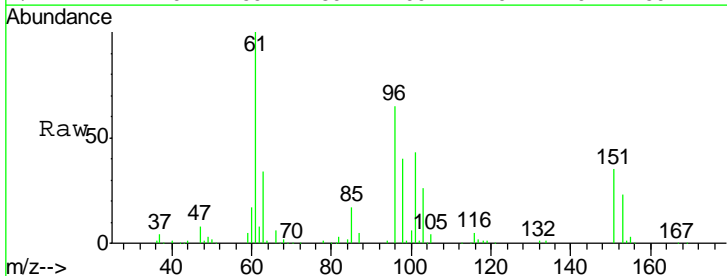
Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MS

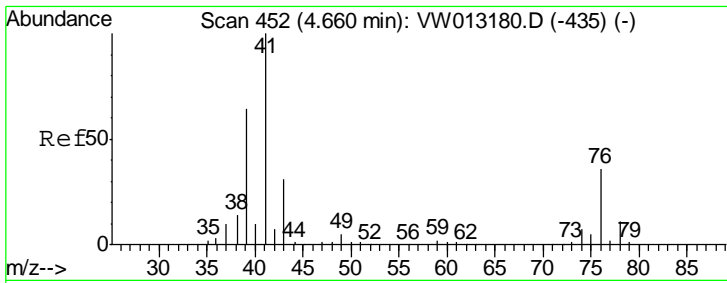
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#12
 1,1-Dichloroethene
 Concen: 43.763 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
96	100		
61	153.4	125.1	187.7
98	61.8	50.8	76.2



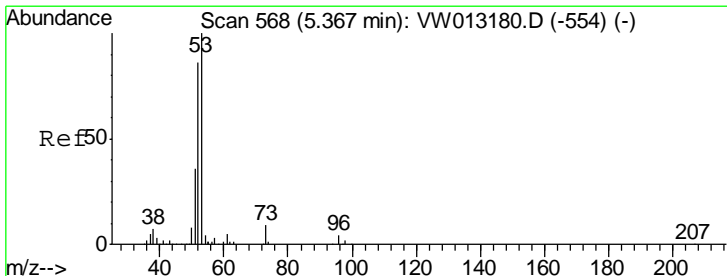
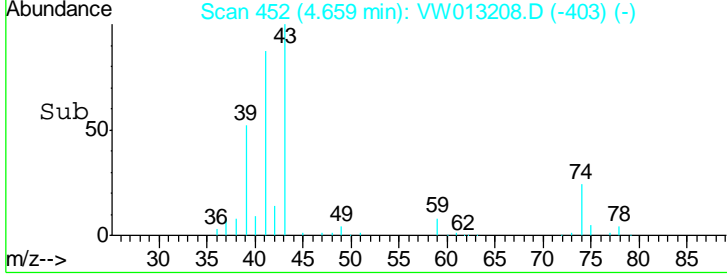
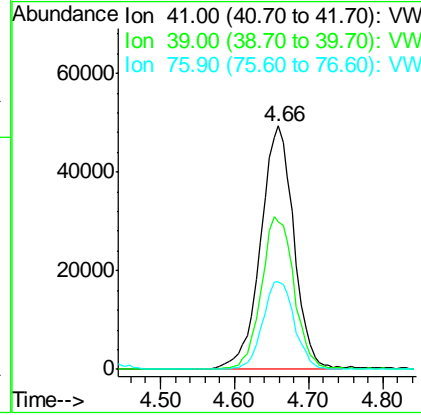
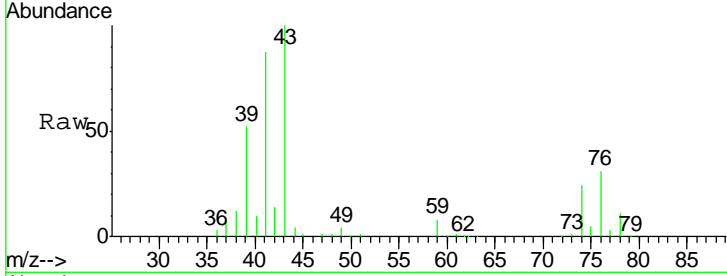


#14
 Allyl chloride
 Concen: 38.820 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
41	100		
39	61.6	51.0	76.4
76	34.5	28.4	42.6

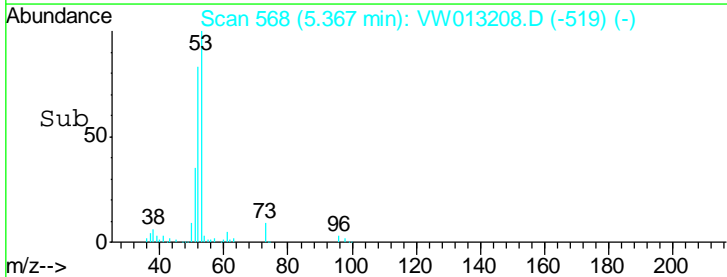
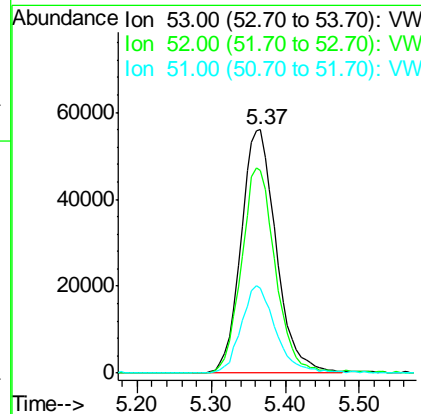
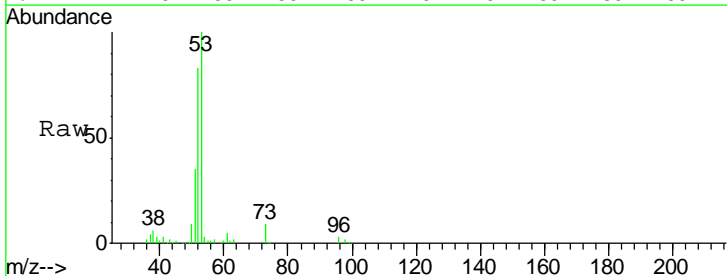
Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MS

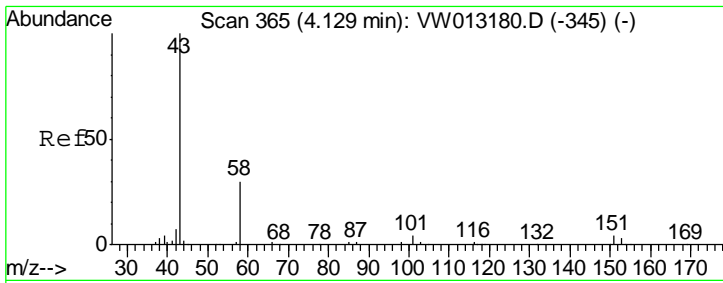
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#15
 Acrylonitrile
 Concen: 339.795 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	35.1	29.0	43.4



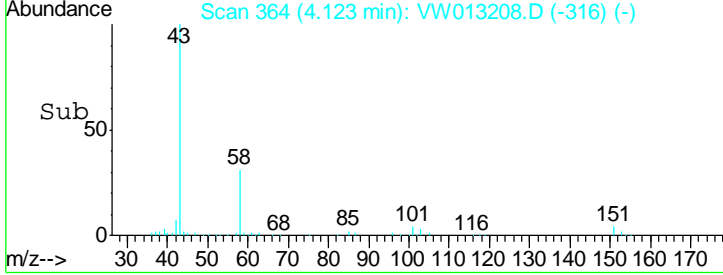
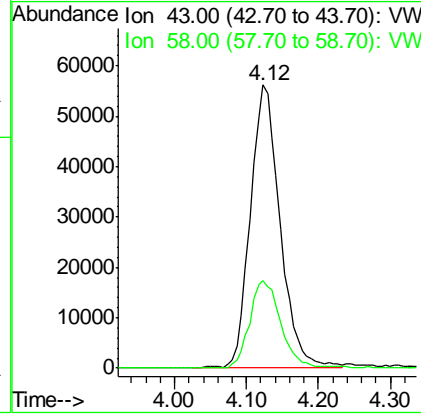
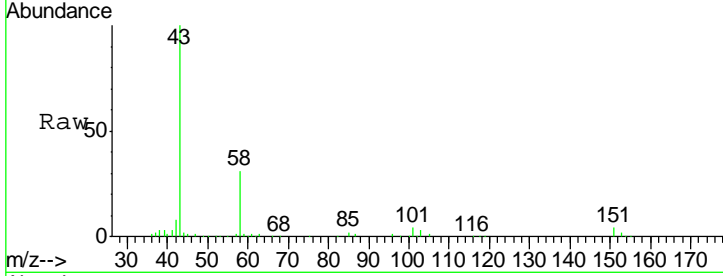


#16
 Acetone
 Concen: 323.723 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.1	36.1

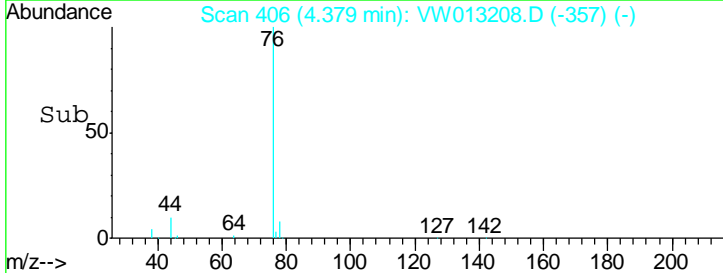
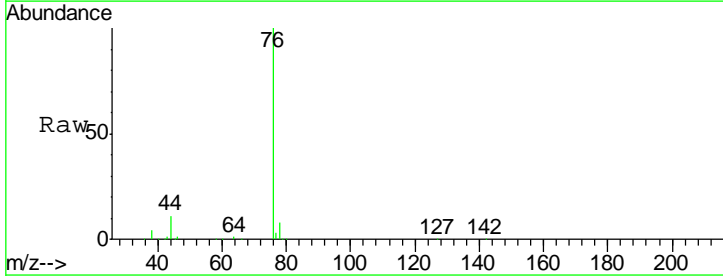
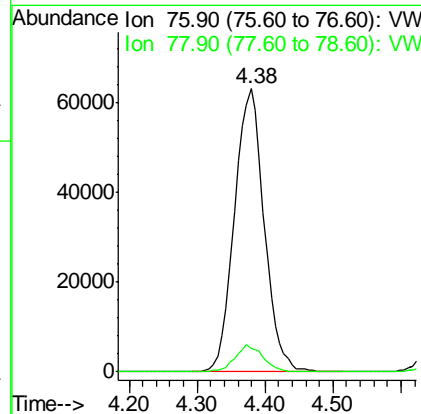
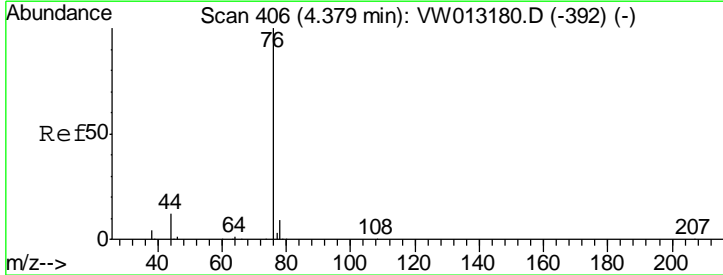
Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MS

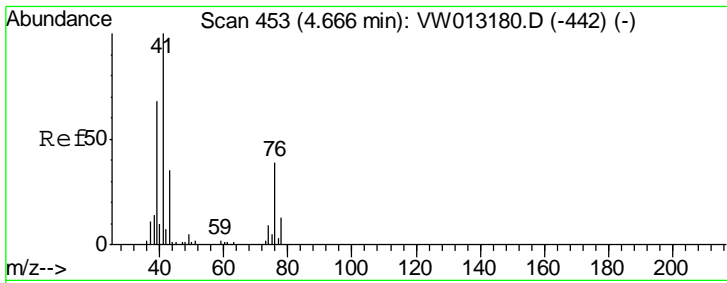
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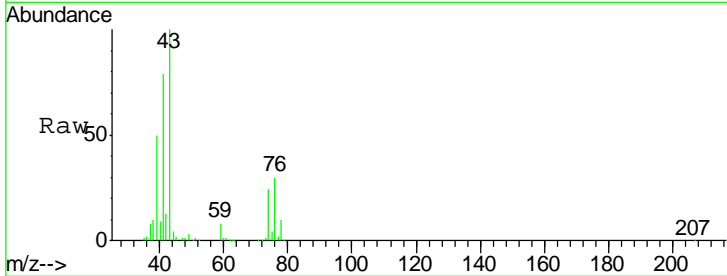
#17
 Carbon Disulfide
 Concen: 26.477 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VW013208.D
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Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4

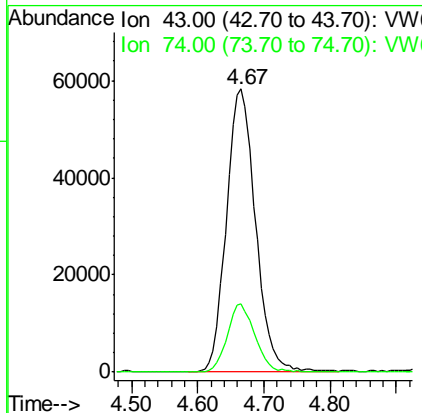
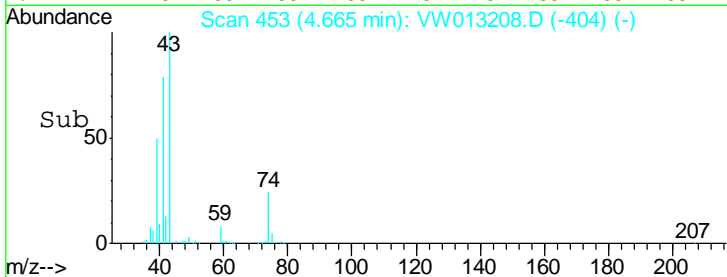




#18
 Methyl Acetate
 Concen: 126.650 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

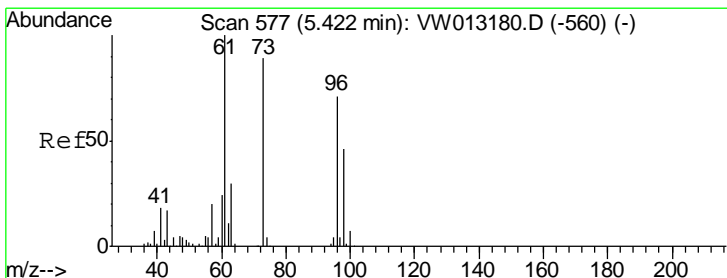


Tgt Ion: 43 Resp: 176039
 Ion Ratio Lower Upper
 43 100
 74 23.0 19.3 28.9

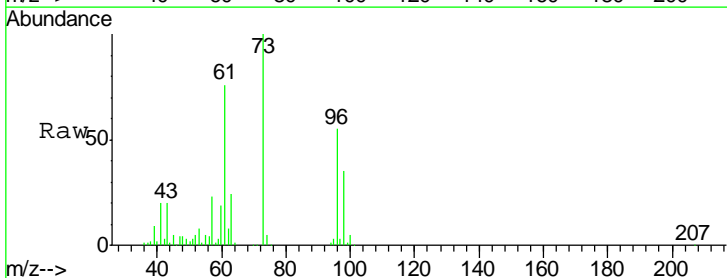


Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MS

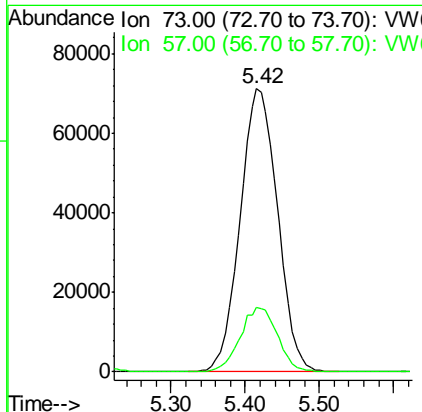
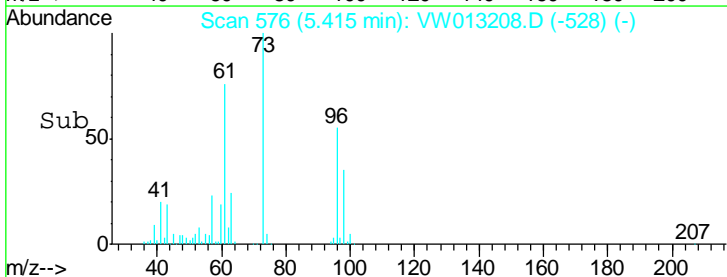
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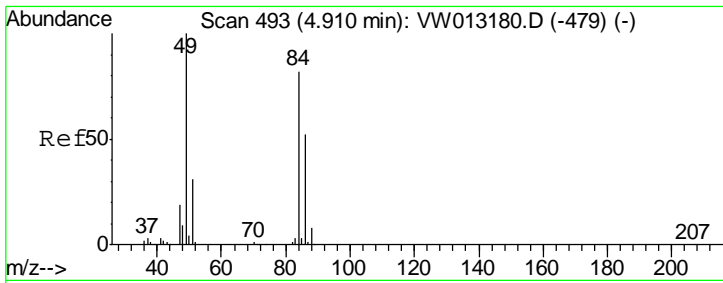


#19
 Methyl tert-butyl Ether
 Concen: 65.632 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03



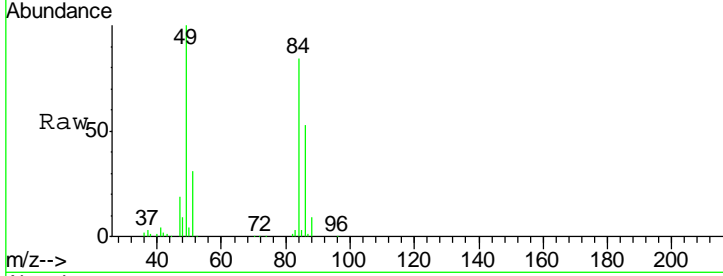
Tgt Ion: 73 Resp: 251143
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.6 26.4





#20
 Methylene Chloride
 Concen: 57.434 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

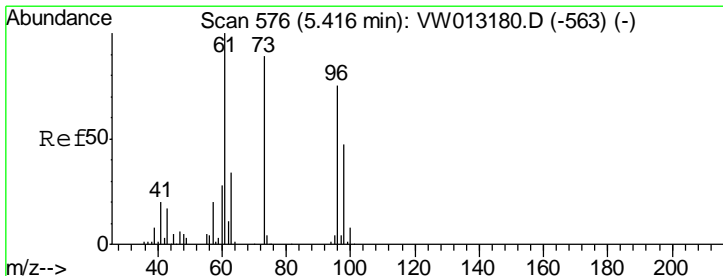
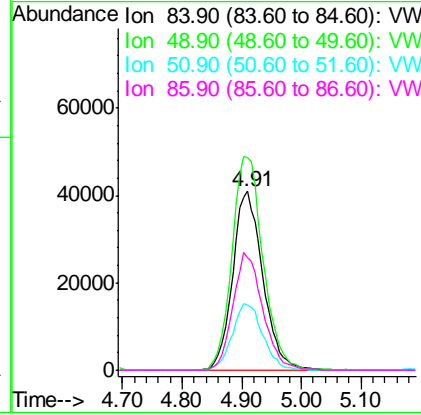
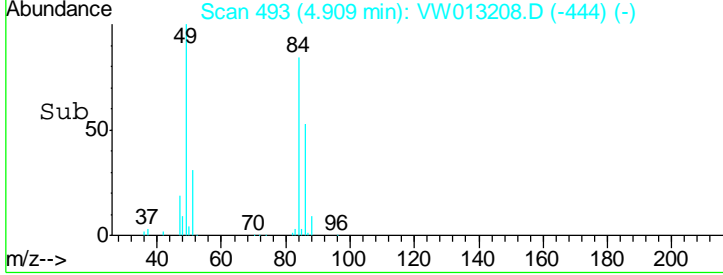
Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS



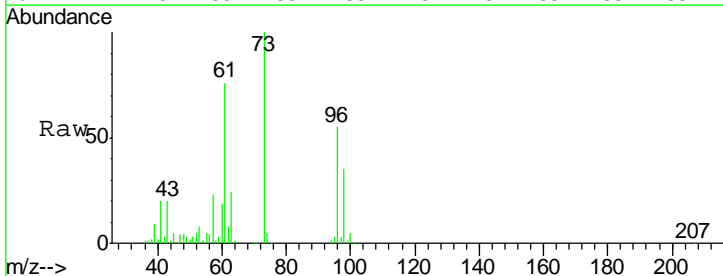
Tgt Ion: 84 Resp: 144152

Ion	Ratio	Lower	Upper
84	100		
49	118.8	97.6	146.4
51	36.8	30.2	45.2
86	63.1	50.6	76.0

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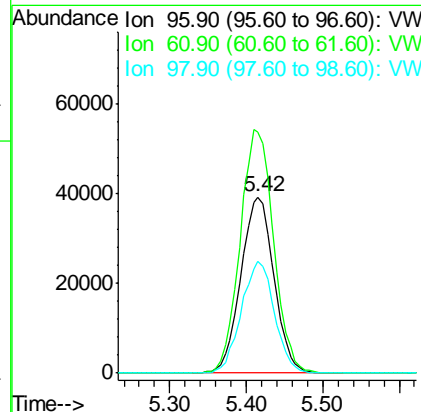
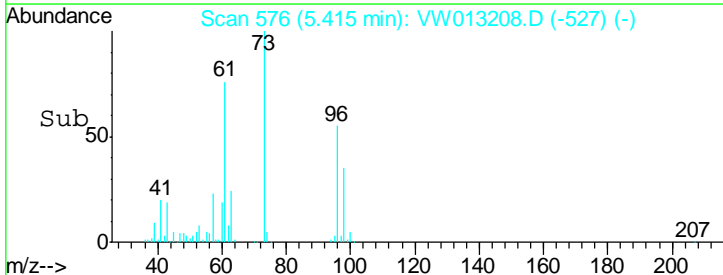


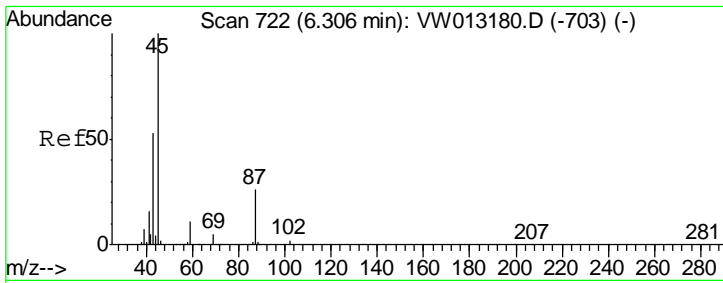
#21
 trans-1,2-Dichloroethene
 Concen: 43.732 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03



Tgt Ion: 96 Resp: 118011

Ion	Ratio	Lower	Upper
96	100		
61	136.9	106.6	159.8
98	63.4	49.8	74.8



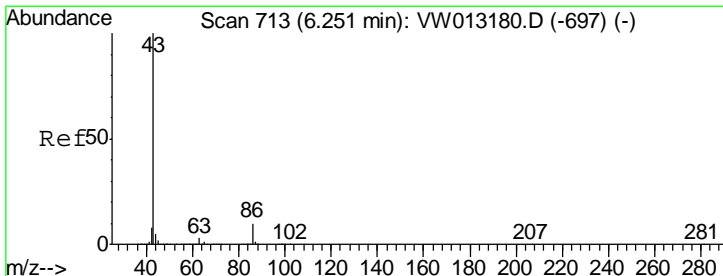
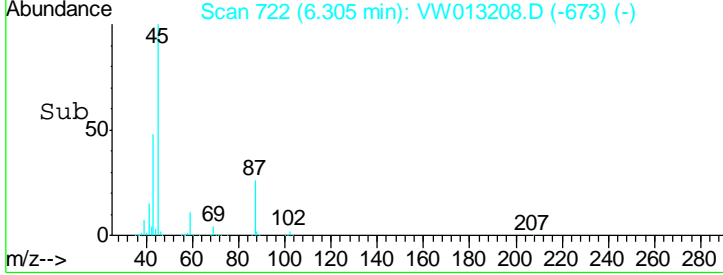
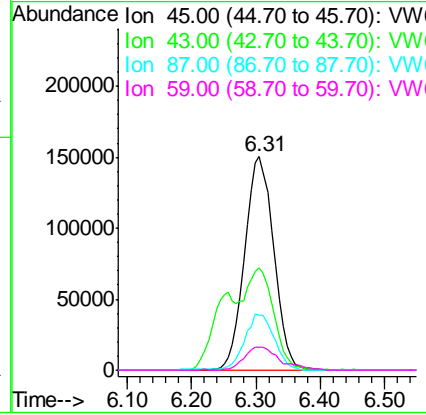
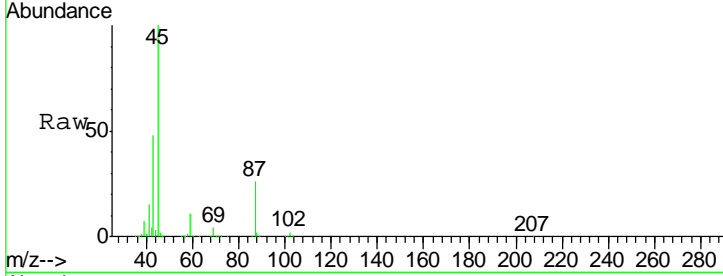


#22
 Diisopropyl ether
 Concen: 61.925 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
45	100		
43	47.7	42.4	63.6
87	25.7	20.4	30.6
59	10.7	8.8	13.2

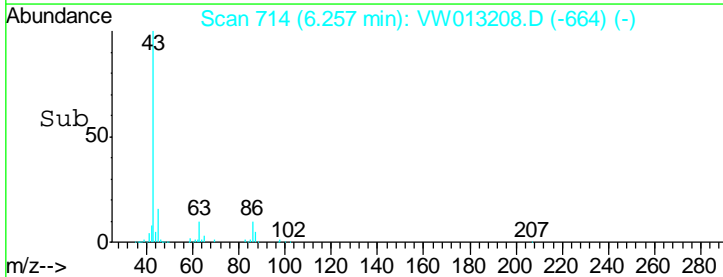
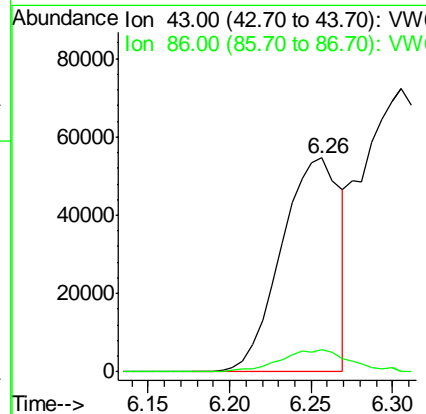
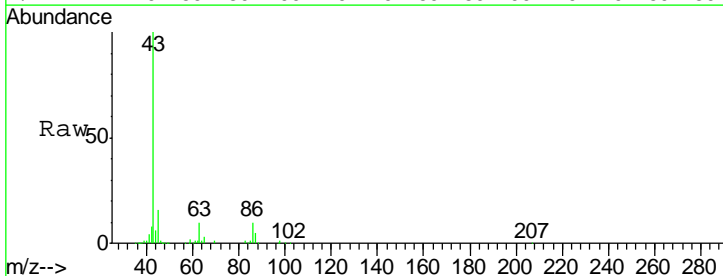
Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MS

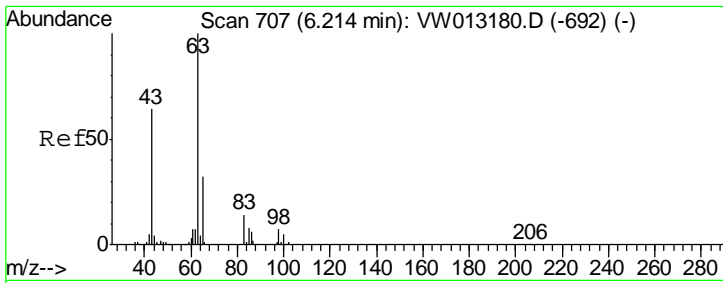
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#23
 Vinyl Acetate
 Concen: 30.587 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.1	8.3	12.5



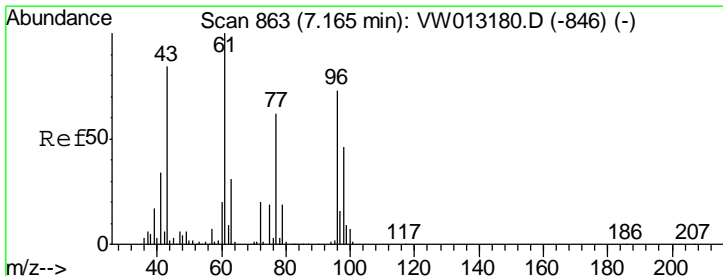
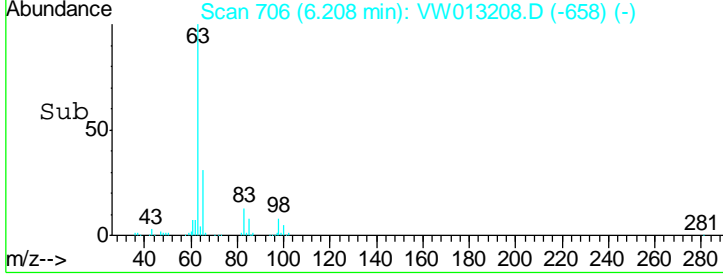
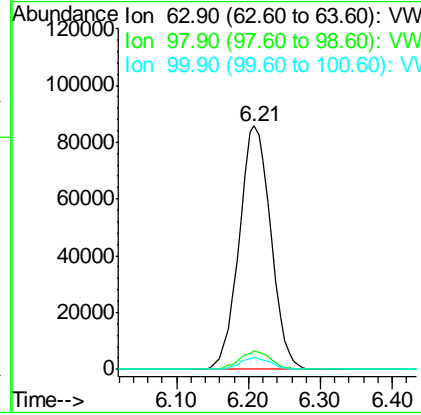
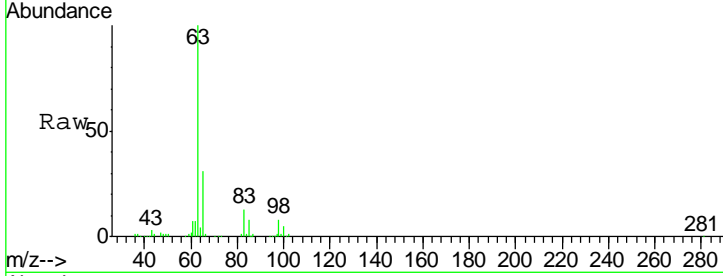


#24
 1,1-Dichloroethane
 Concen: 57.381 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.7	3.5	10.5
100	5.1	2.4	7.1

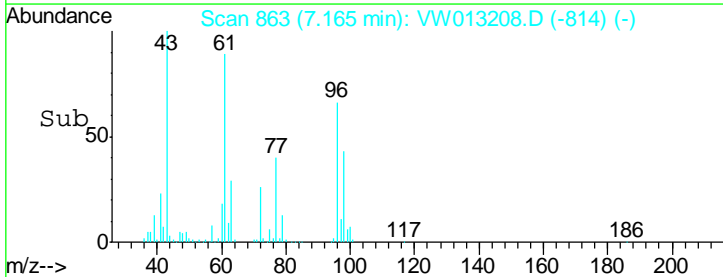
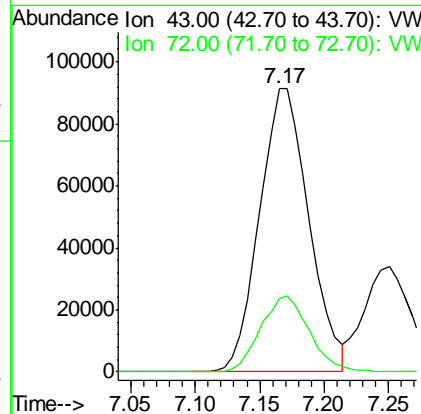
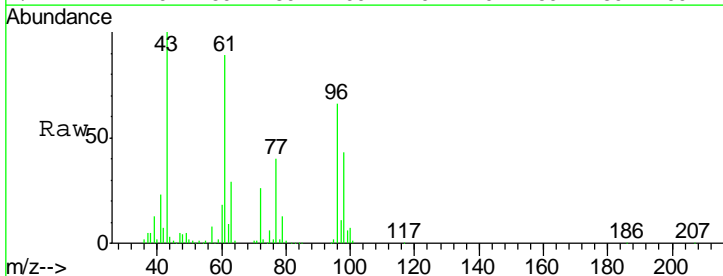
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

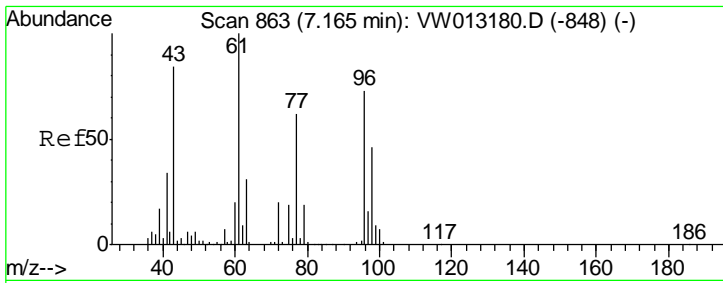
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#25
 2-Butanone
 Concen: 327.013 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.9	19.4	29.0





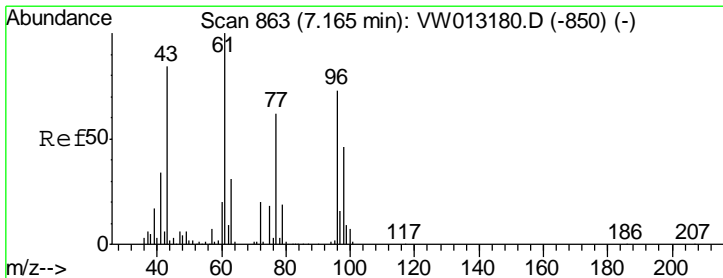
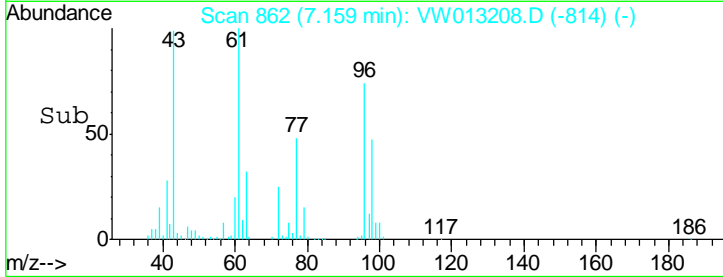
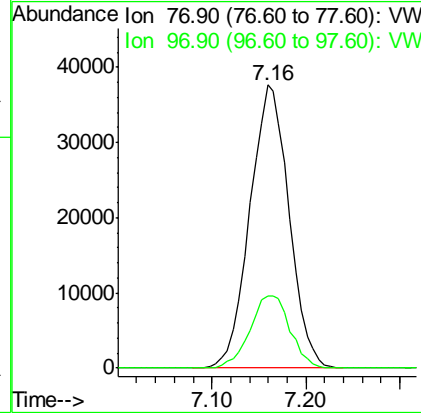
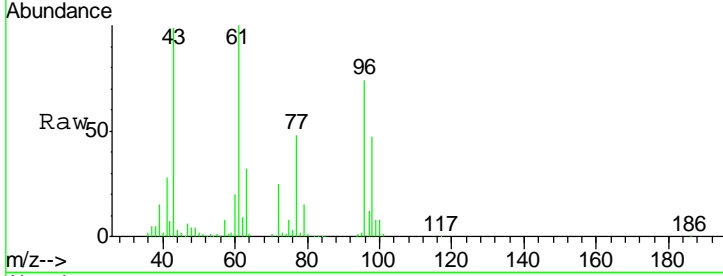
#26
 2,2-Dichloropropane
 Concen: 39.362 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 Client Sampled :
 982-S-3-(19)MS

Tgt Ion	Resp	Lower	Upper
77	109319		
77	100		
97	26.3	11.8	35.4

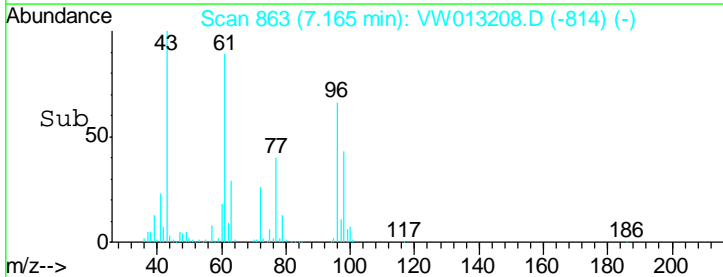
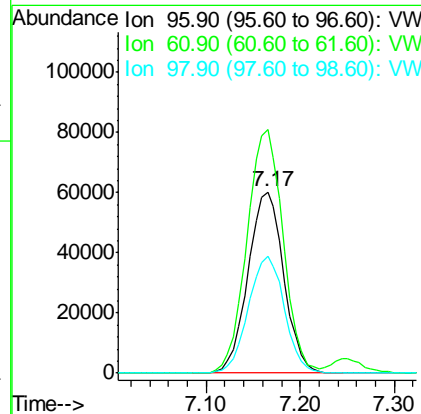
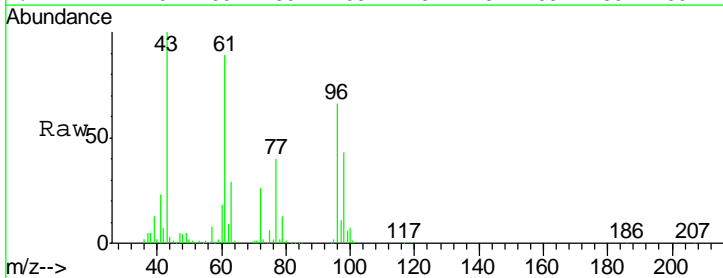
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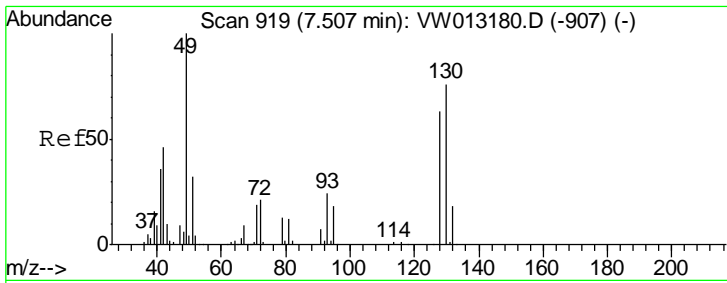
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#27
 cis-1,2-Dichloroethene
 Concen: 55.811 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
96	158940		
96	100		
61	136.1	0.0	282.4
98	65.1	0.0	128.2



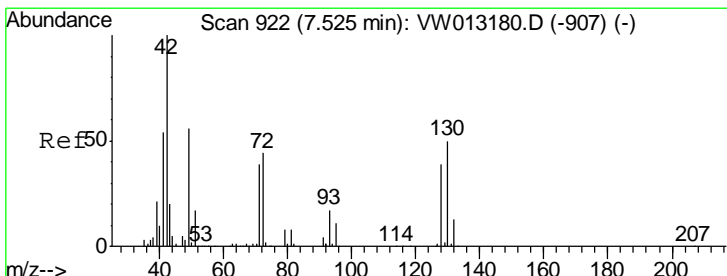
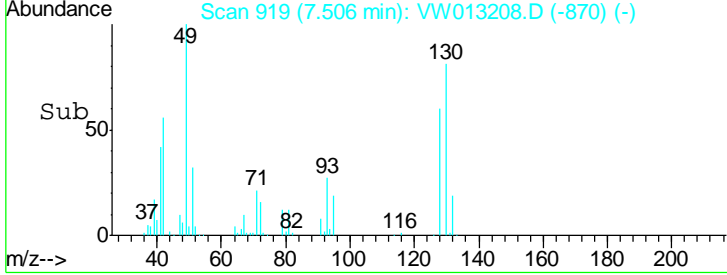
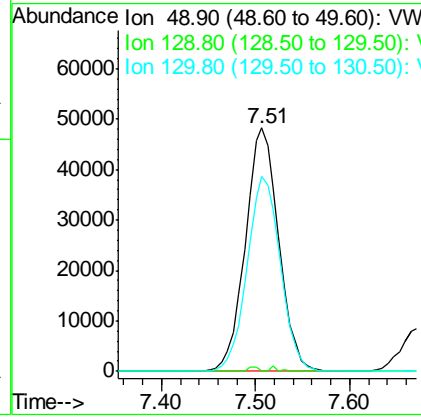
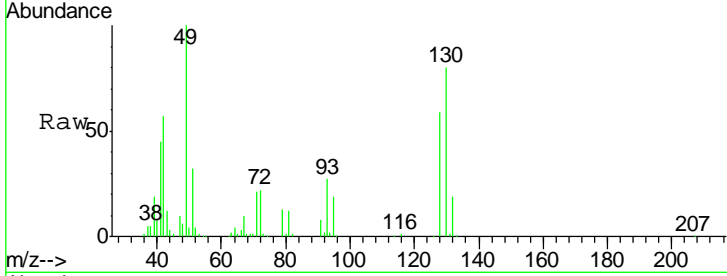


#28
 Bromochloromethane
 Concen: 68.167 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
49	100		
129	0.6	0.0	1.0
130	80.1	63.4	95.2

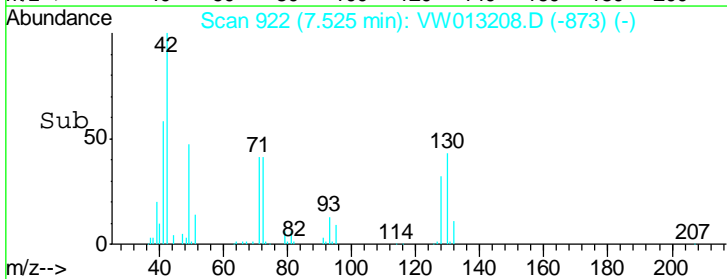
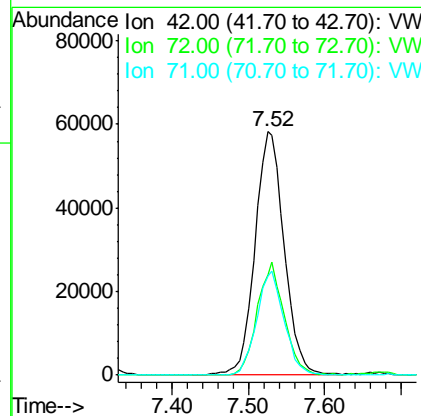
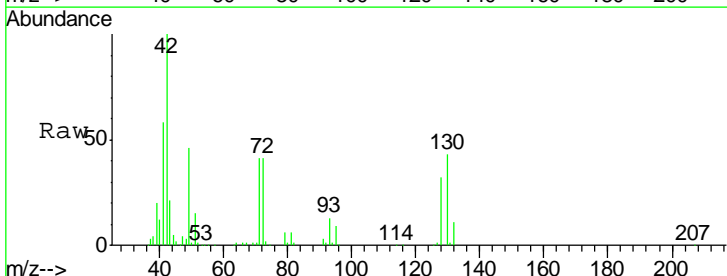
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

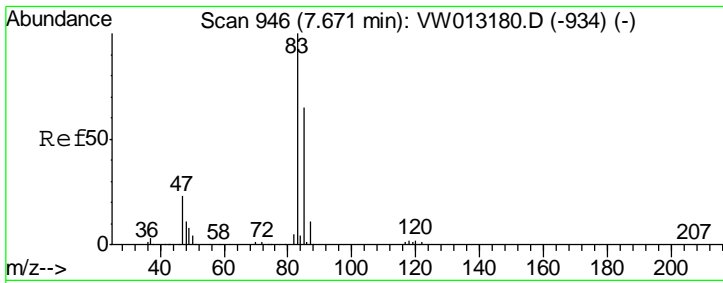
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#29
 Tetrahydrofuran
 Concen: 340.652 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

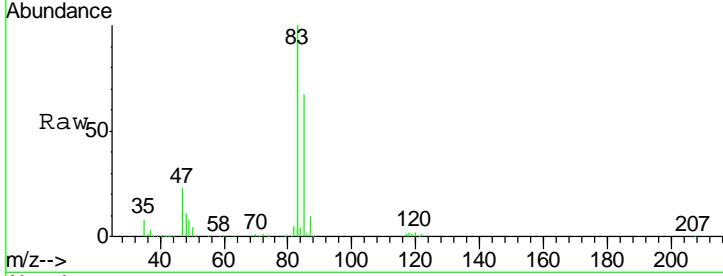
Tgt Ion	Resp	Lower	Upper
42	100		
72	42.7	33.9	50.9
71	40.1	31.9	47.9





#30
 Chloroform
 Concen: 58.486 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

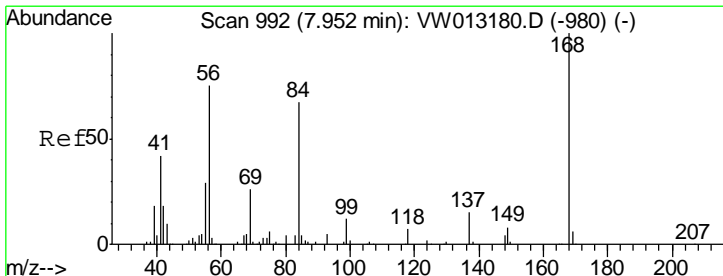
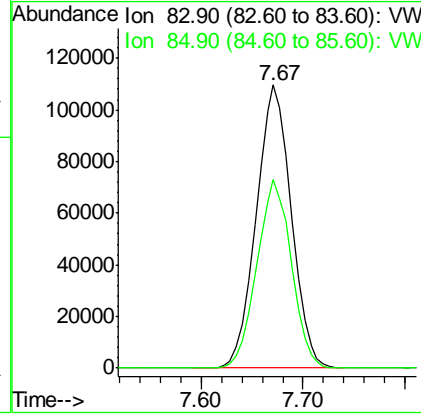
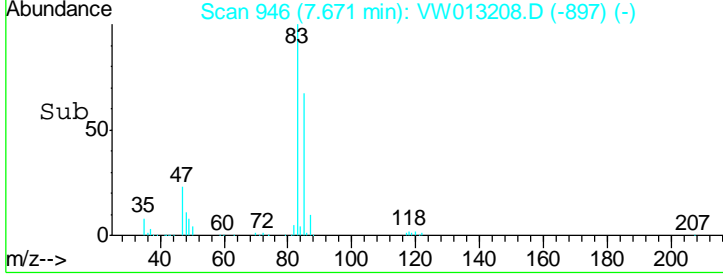
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS



Tgt Ion: 83 Resp: 261081

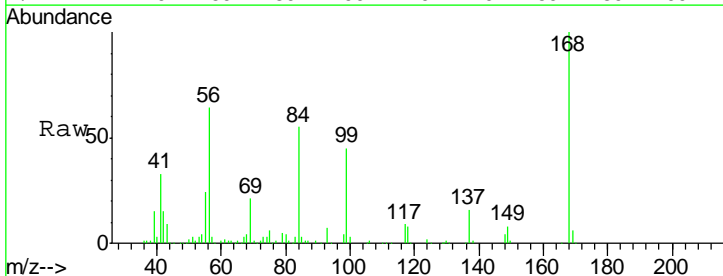
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.3	78.5

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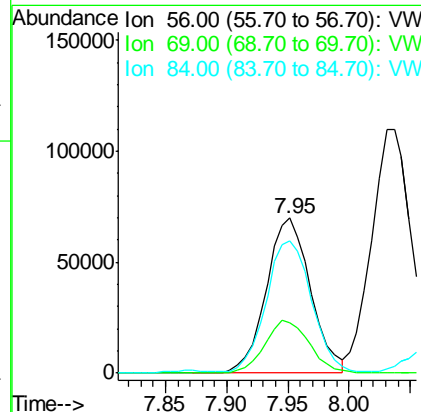
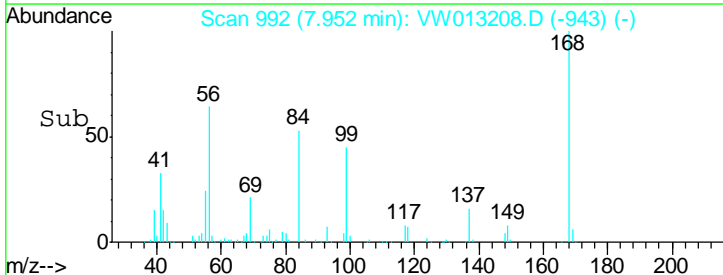
#31
 Cyclohexane
 Concen: 37.105 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

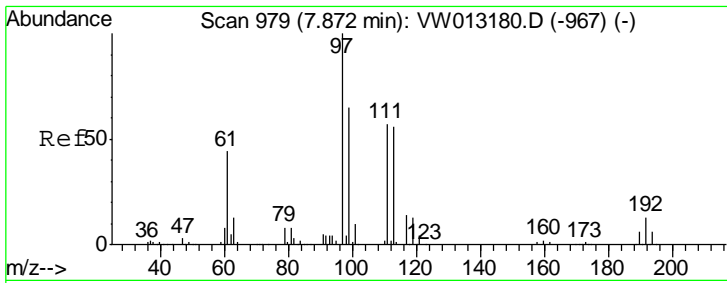
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS



Tgt Ion: 56 Resp: 176357

Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.2	40.8
84	83.9	70.8	106.2



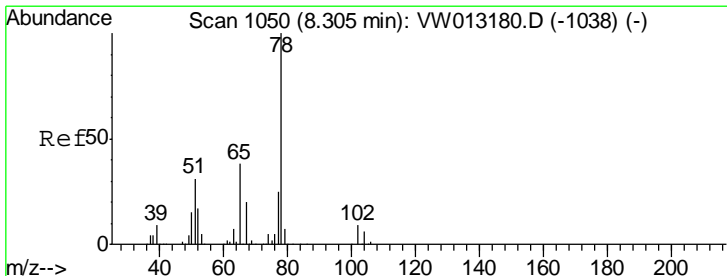
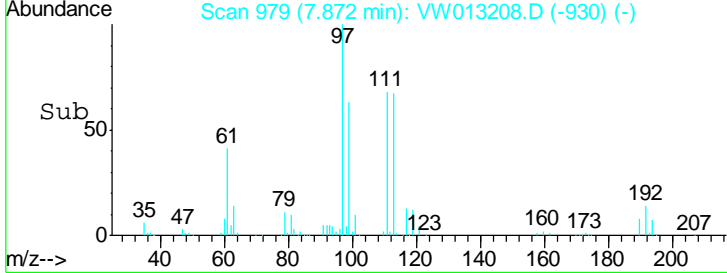
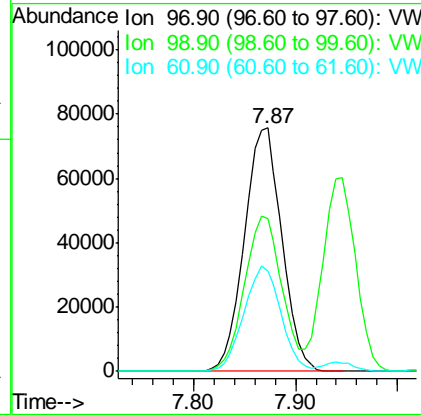
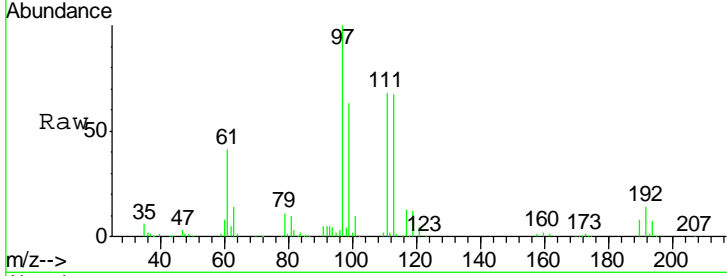


#32
 1,1,1-Trichloroethane
 Concen: 53.471 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	42.5	34.6	51.8

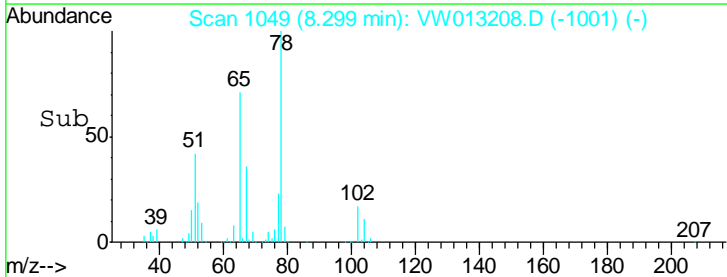
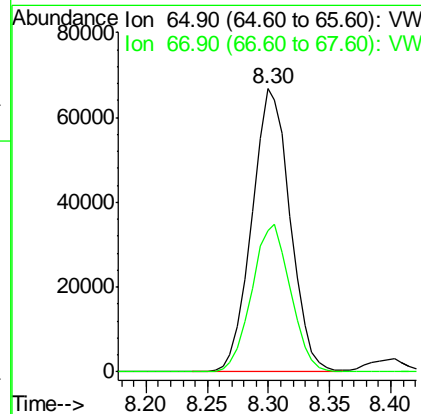
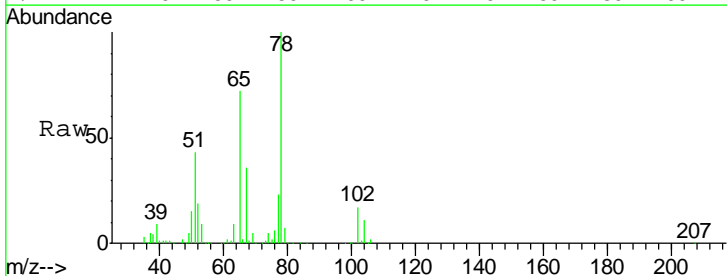
Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MS

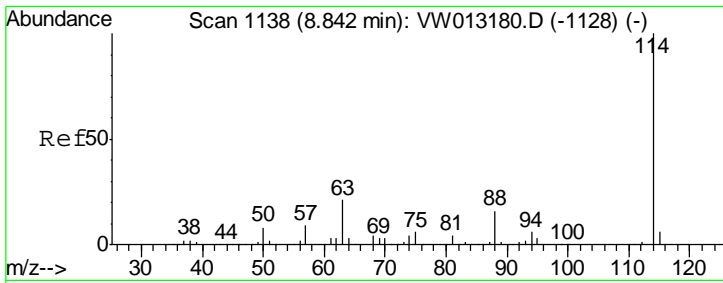
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#33
 1,2-Dichloroethane-d4
 Concen: 66.330 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
65	100		
67	52.8	0.0	106.2



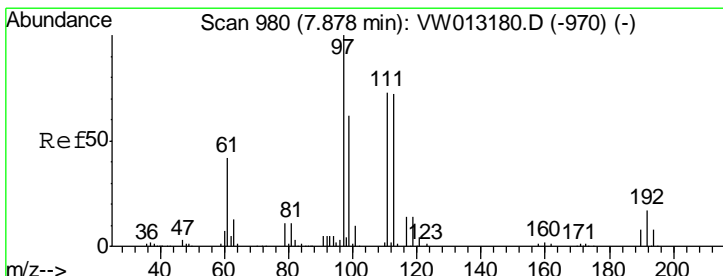
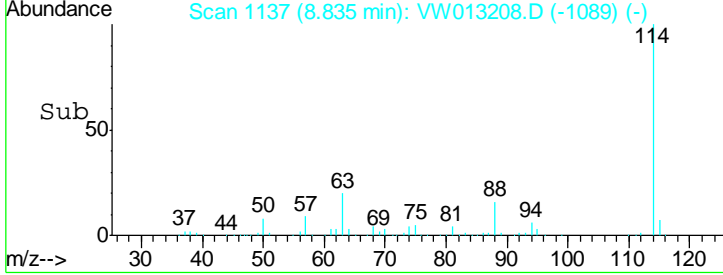
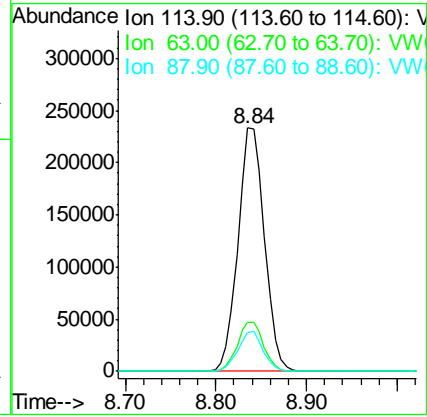
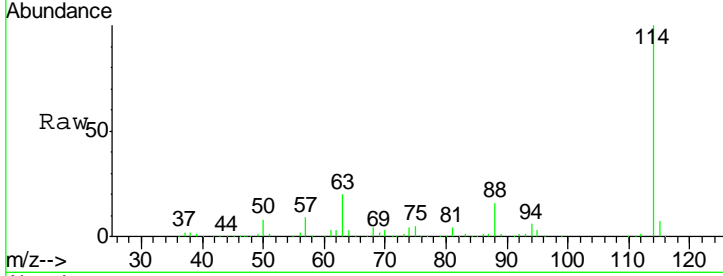


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

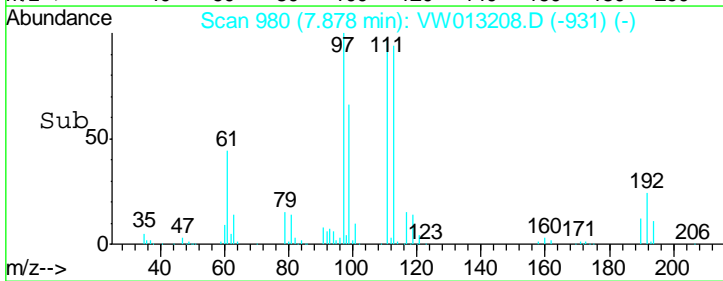
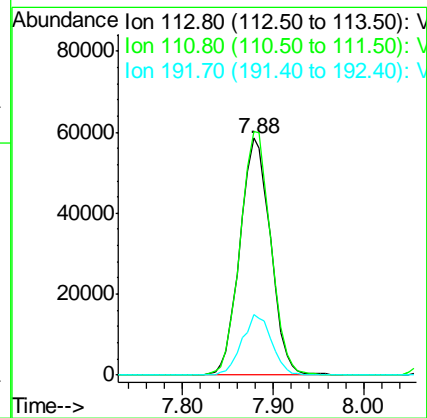
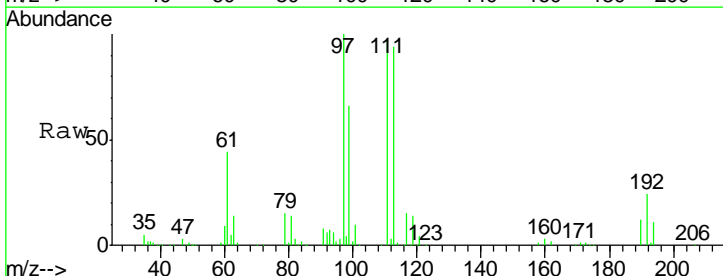
Tgt Ion	Resp	Lower	Upper
114	470621		
63	20.3	0.0	41.4
88	16.1	0.0	32.0

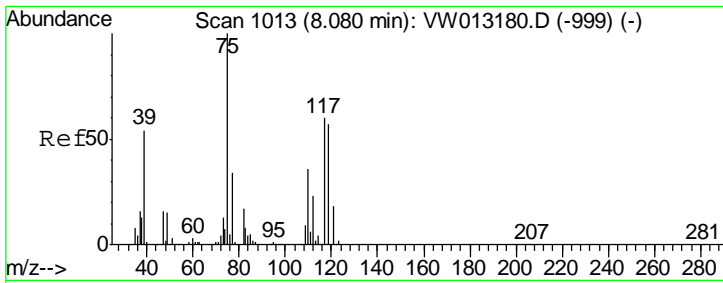
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#35
 Dibromofluoromethane
 Concen: 53.099 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
113	137442		
111	102.5	81.9	122.9
192	24.5	19.1	28.7



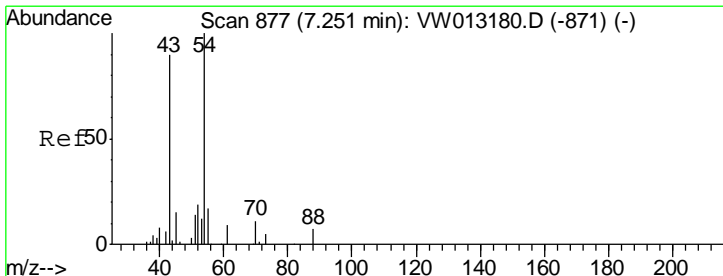
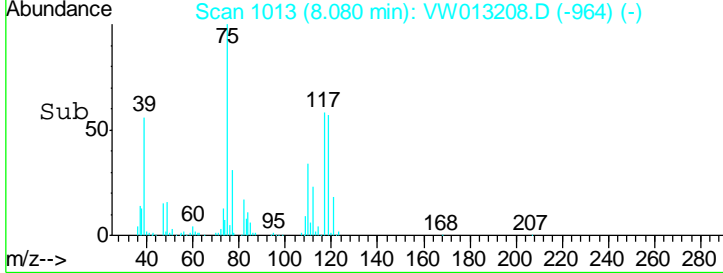
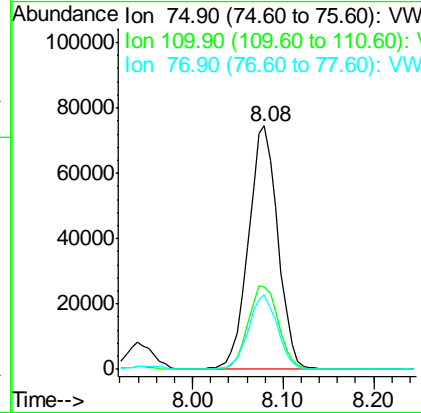
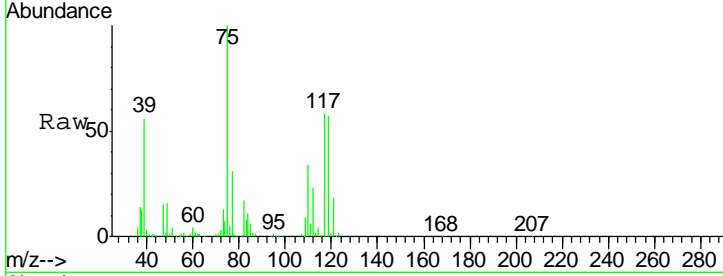


#36
 1,1-Dichloropropene
 Concen: 36.643 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
75	167028		
75	100		
110	35.3	18.1	54.3
77	30.4	25.8	38.6

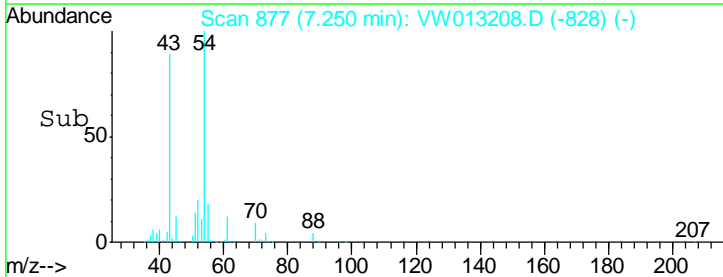
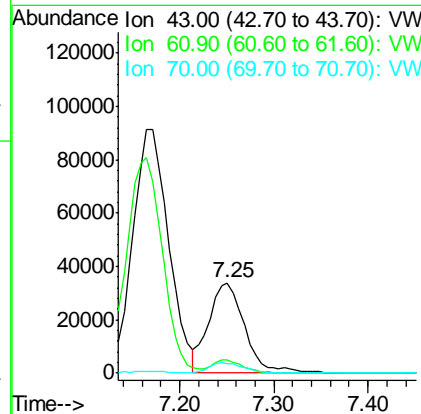
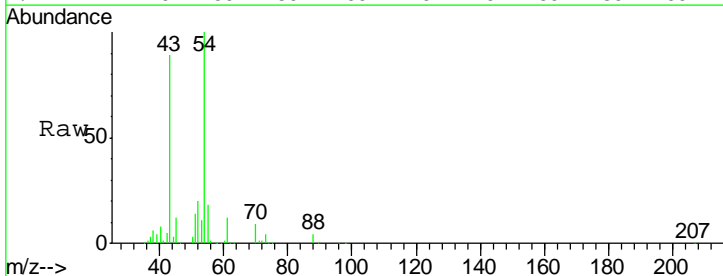
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

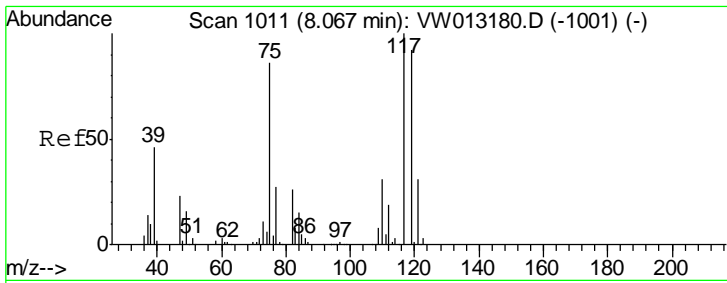
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#37
 Ethyl Acetate
 Concen: 46.118 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

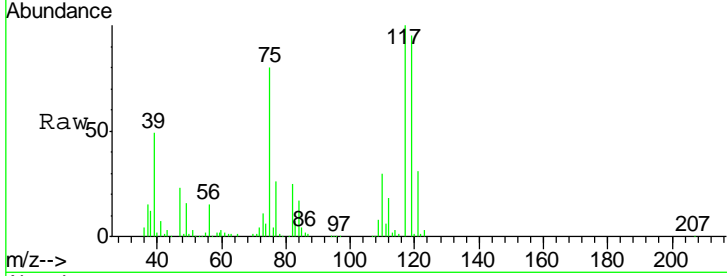
Tgt Ion	Resp	Lower	Upper
43	89344		
43	100		
61	12.9	10.9	16.3
70	10.8	8.2	12.2





#38
 Carbon Tetrachloride
 Concen: 41.115 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

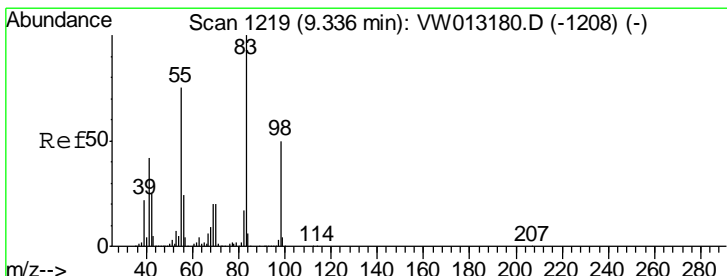
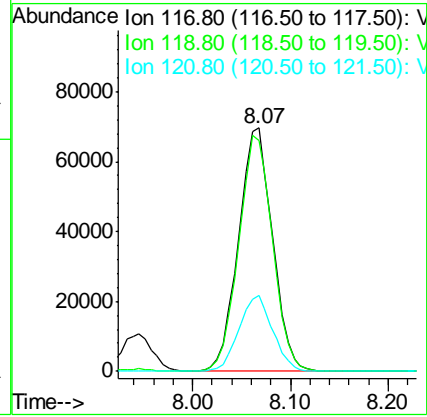
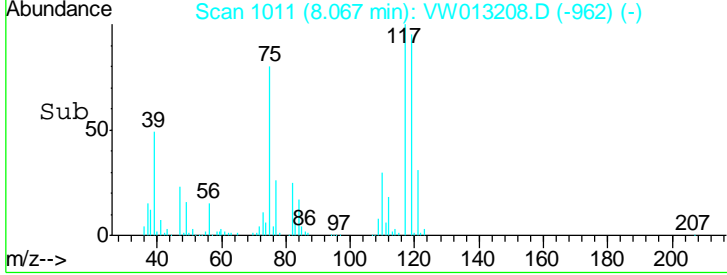
Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS



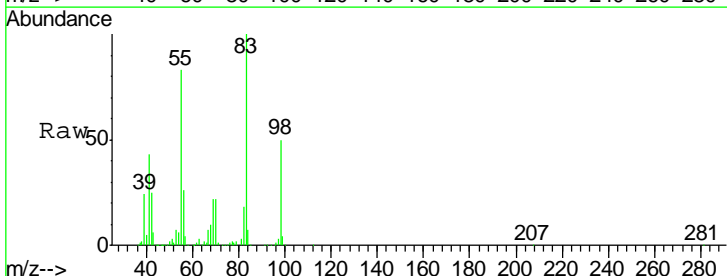
Tgt Ion: 117 Resp: 168005

Ion	Ratio	Lower	Upper
117	100		
119	95.0	73.5	110.3
121	31.3	25.0	37.6

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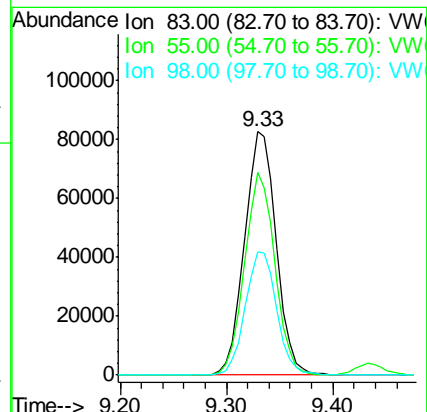
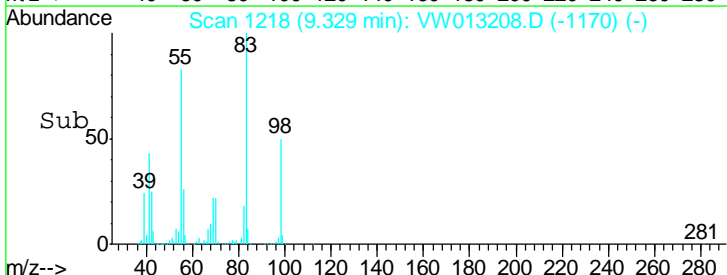


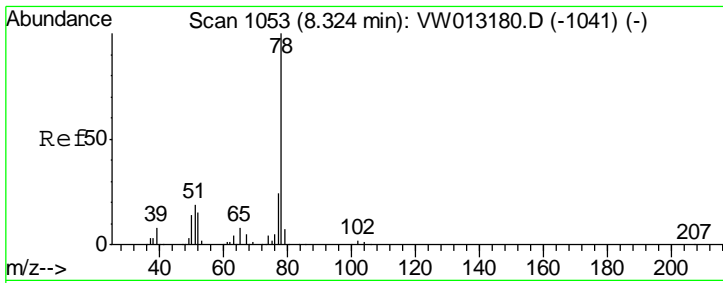
#39
 Methylcyclohexane
 Concen: 29.550 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03



Tgt Ion: 83 Resp: 173101

Ion	Ratio	Lower	Upper
83	100		
55	83.1	60.4	90.6
98	50.4	40.0	60.0





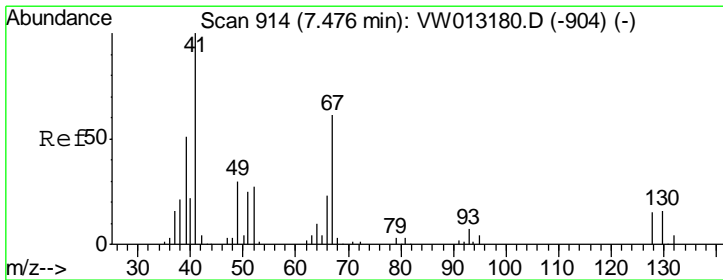
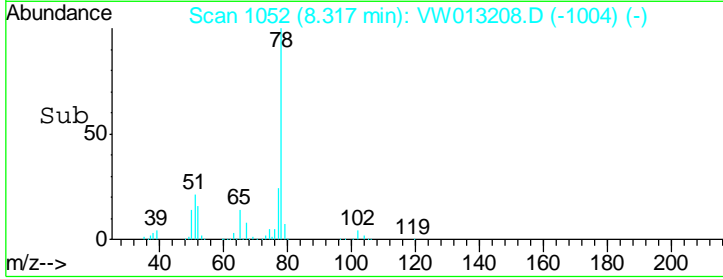
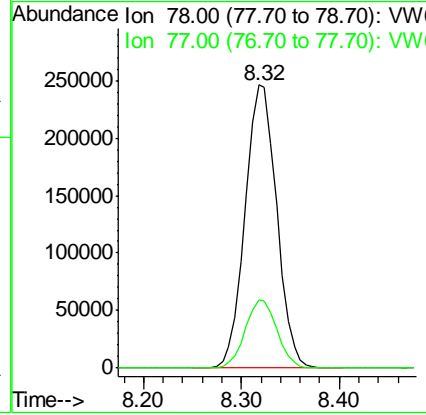
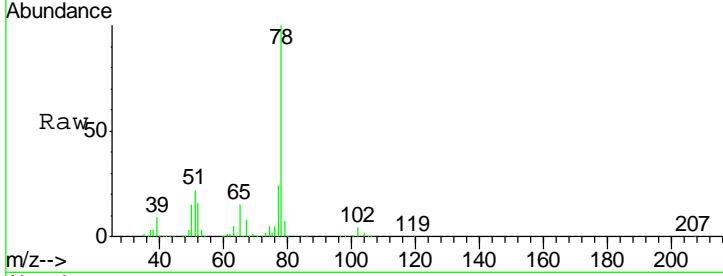
#40
Benzene
Concen: 43.392 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
Client Sampled : 982-S-3-(19)MS

Tgt Ion	Resp	Lower	Upper
78	100		
77	24.1	19.1	28.7

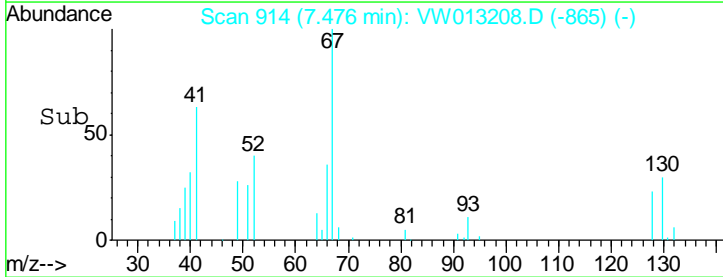
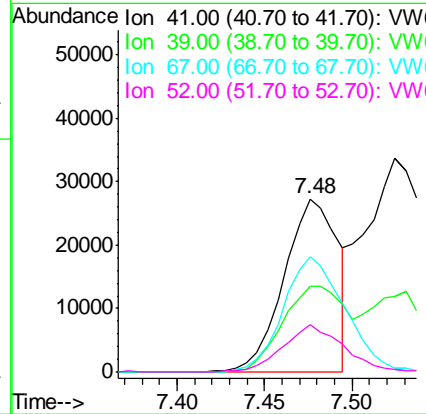
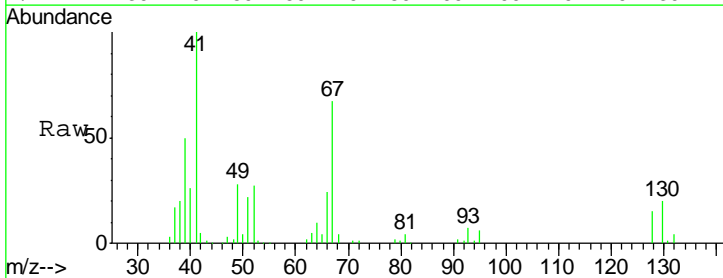
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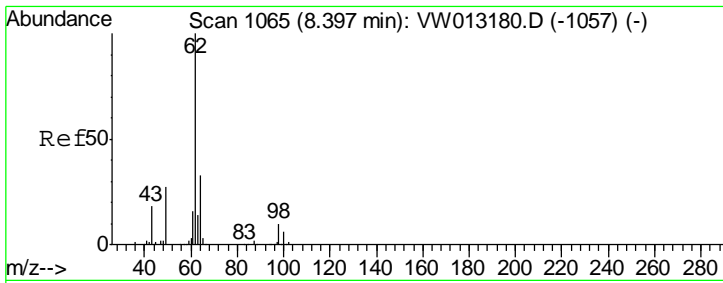
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#41
Methacrylonitrile
Concen: 50.623 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013208.D
Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
41	100		
39	58.2	45.9	68.9
67	77.1	54.5	81.7
52	31.5	22.5	33.7



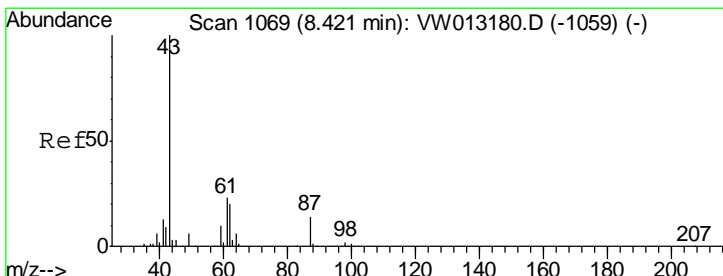
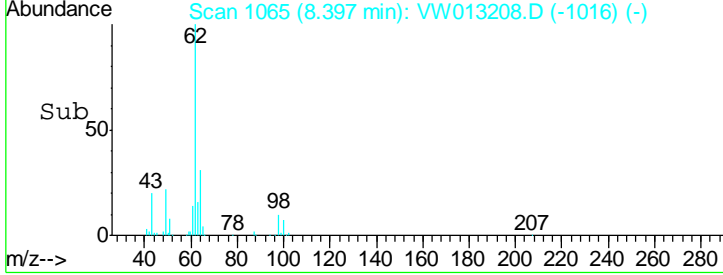
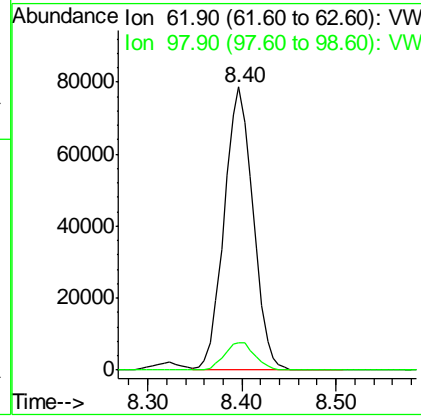
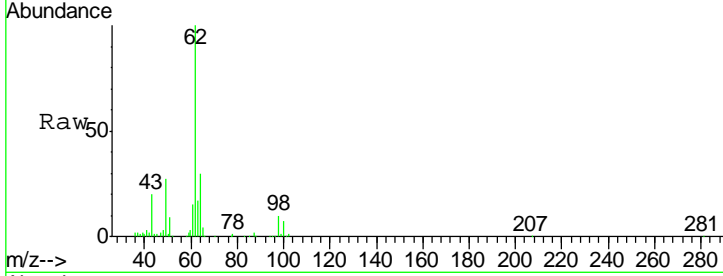


#42
 1,2-Dichloroethane
 Concen: 48.871 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

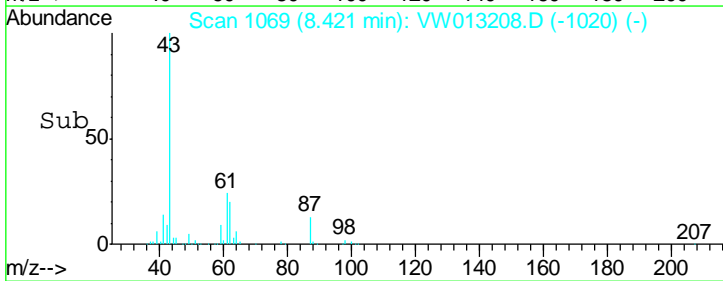
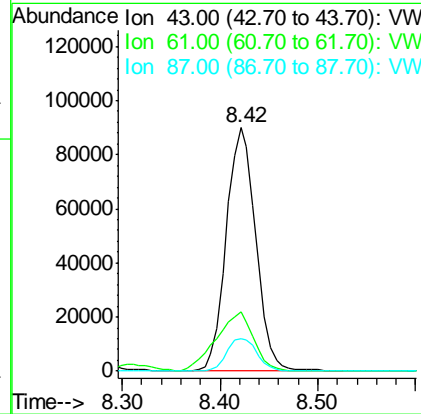
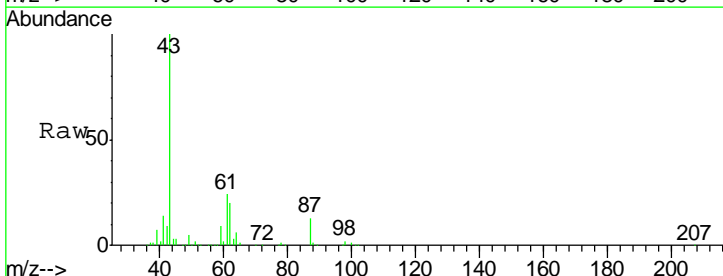
Tgt Ion	Resp	Lower	Upper
62	167035		
62	100		
98	10.3	0.0	20.6

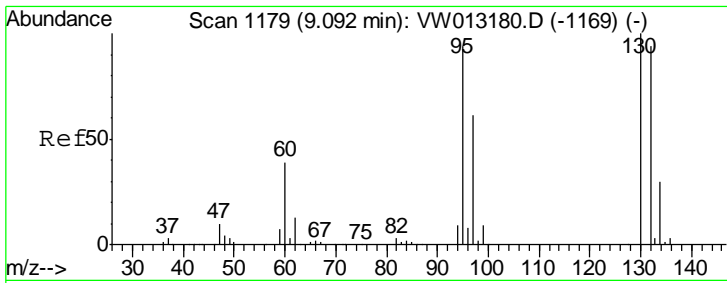
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#43
 Isopropyl Acetate
 Concen: 50.547 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
43	187680		
43	100		
61	30.7	25.5	38.3
87	13.8	11.0	16.4



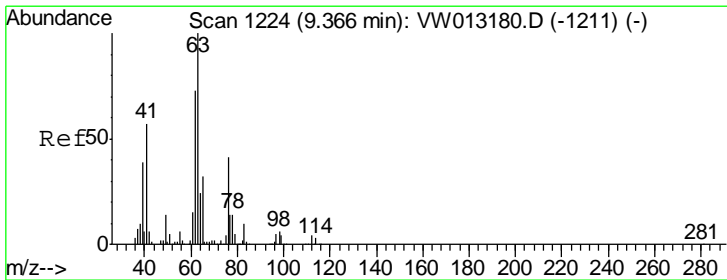
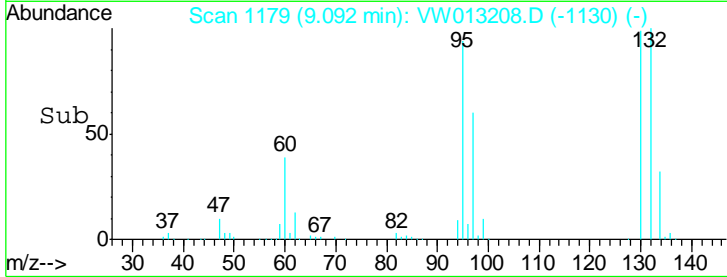
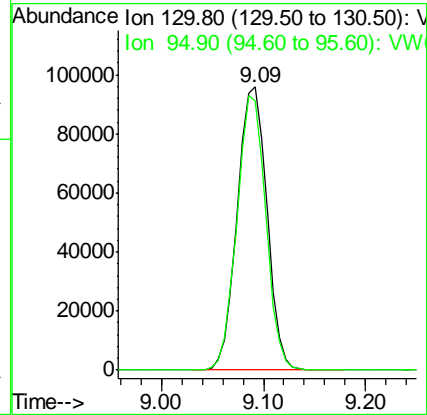
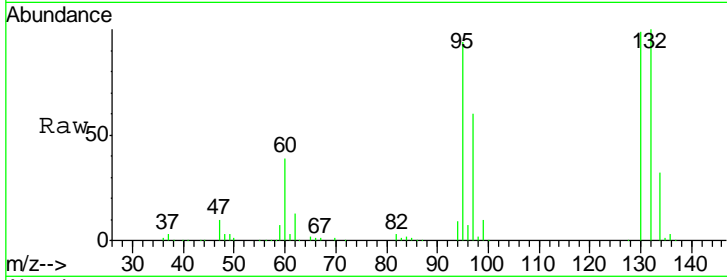


#44
 Trichloroethene
 Concen: 54.206 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
130	193369		
95	95.2	0.0	188.0

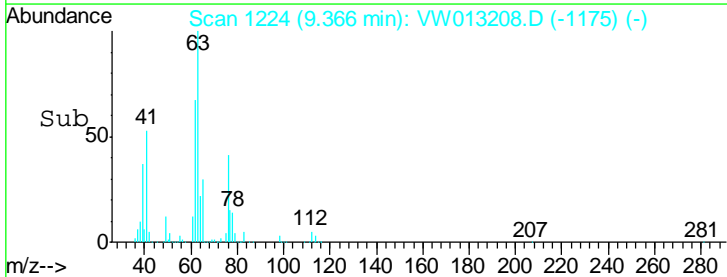
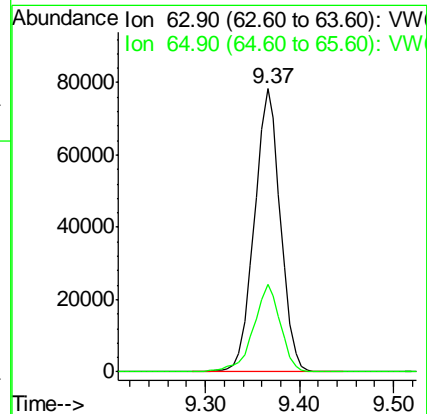
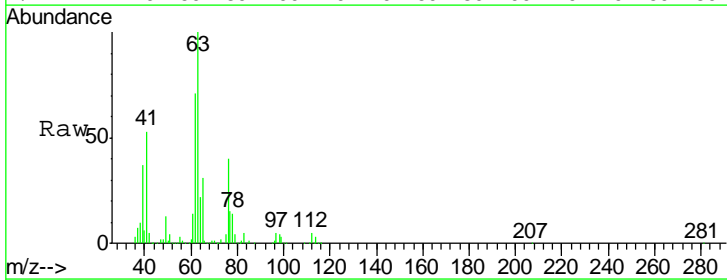
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

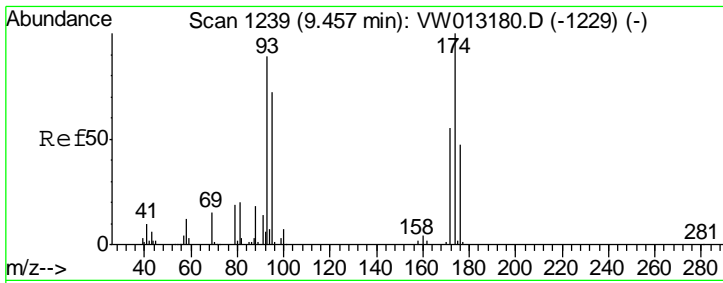
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#45
 1,2-Dichloropropane
 Concen: 48.957 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
63	151968		
65	30.9	25.3	37.9



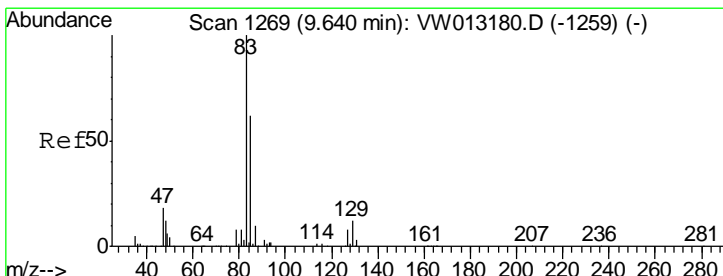
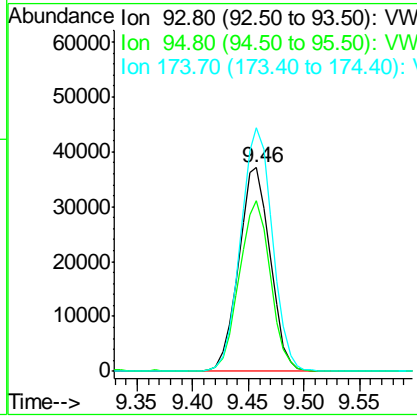
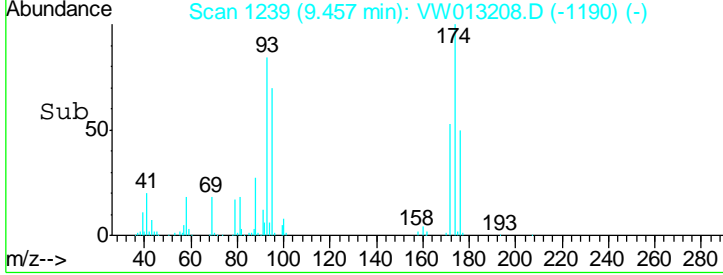
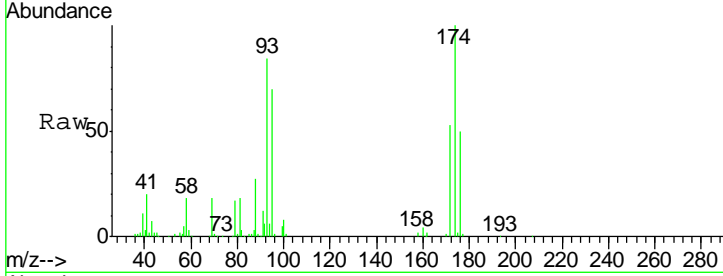


#46
 Dibromomethane
 Concen: 48.514 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tgt Ion	Resp	Lower	Upper
93	73113		
95	82.8	66.4	99.6
174	119.9	93.0	139.6

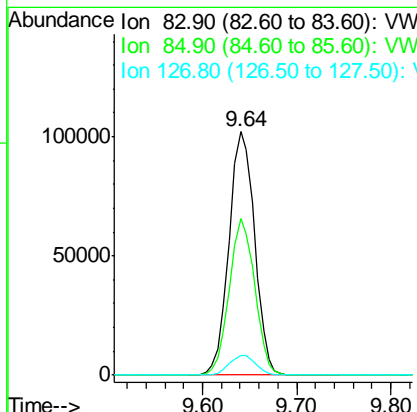
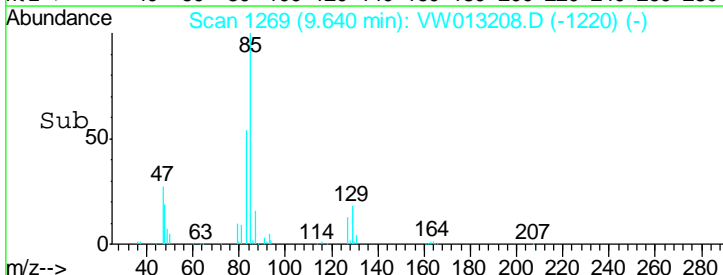
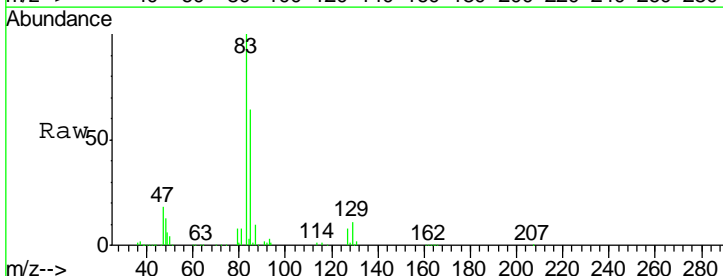
Manual Integrations
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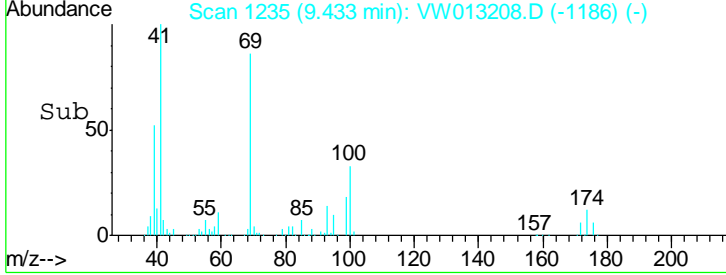
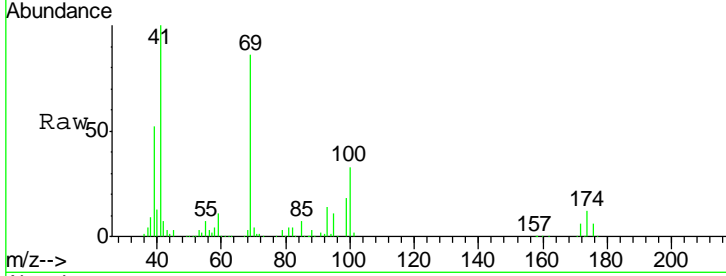
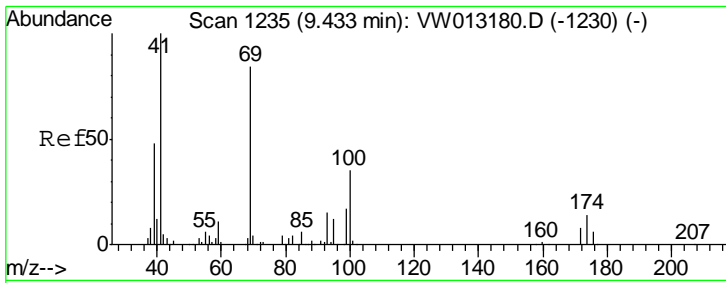


#47
 Bromodichloromethane
 Concen: 50.311 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS

Tgt Ion	Resp	Lower	Upper
83	192929		
85	64.4	49.4	74.2
127	8.0	6.5	9.7



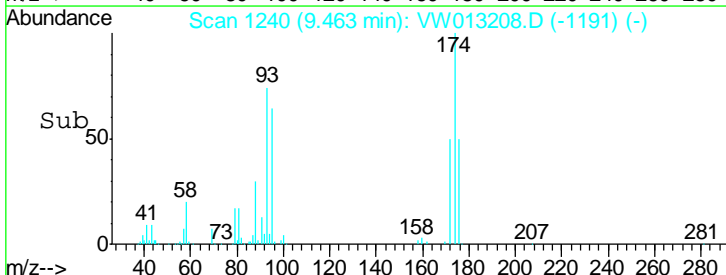
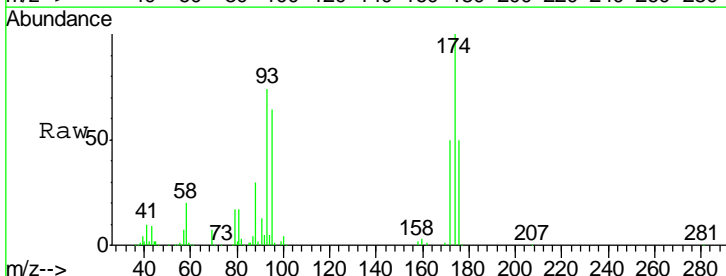
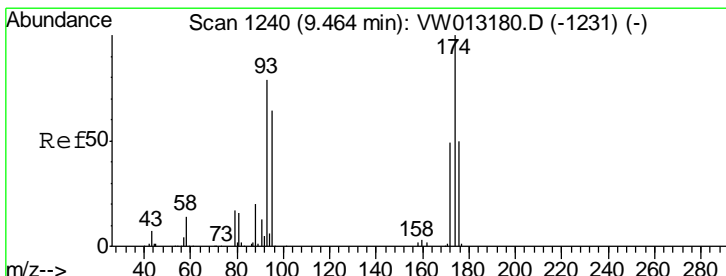
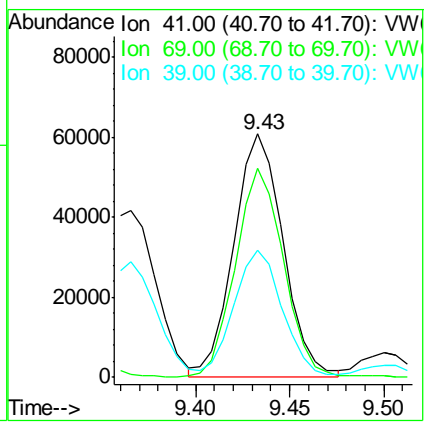


#48
 Methyl methacrylate
 Concen: 63.111 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
41	100		
69	84.4	69.7	104.5
39	51.6	41.1	61.7

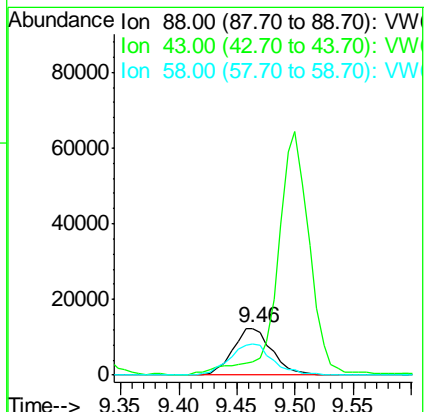
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

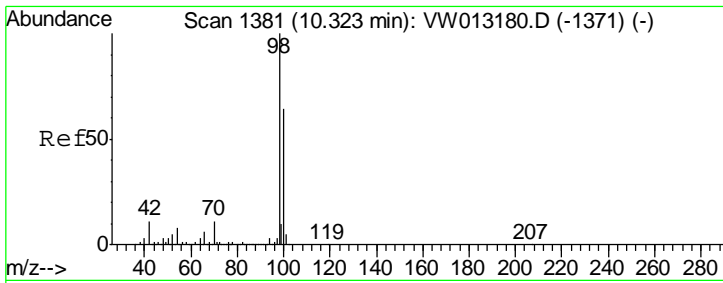
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#49
 1,4-Dioxane
 Concen: 1269.617 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.2	65.4	98.0





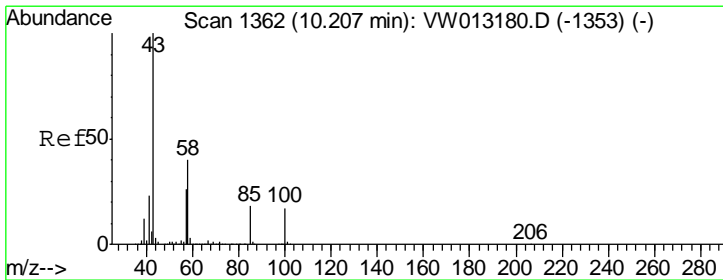
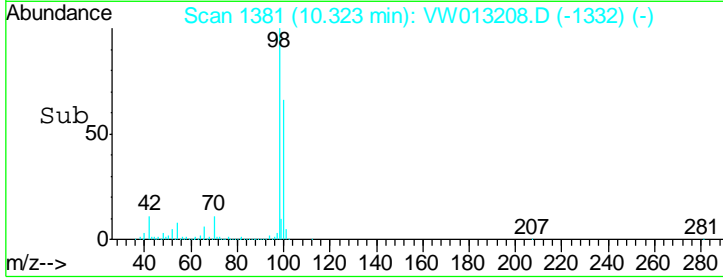
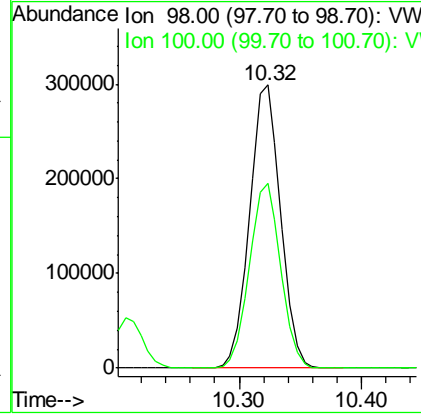
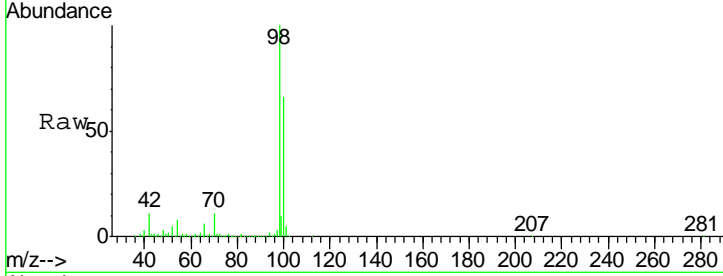
#50
 Toluene-d8
 Concen: 48.555 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.1	52.9	79.3

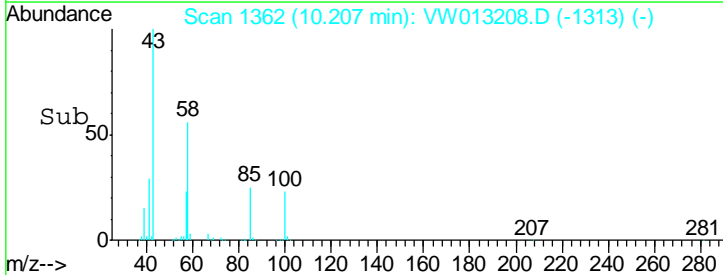
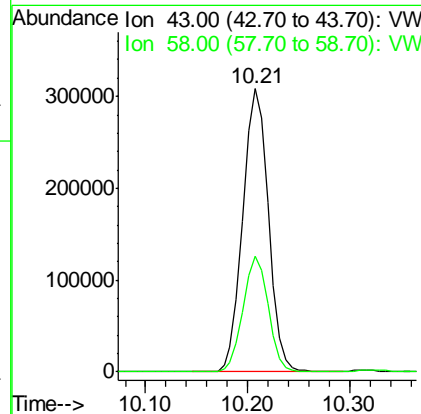
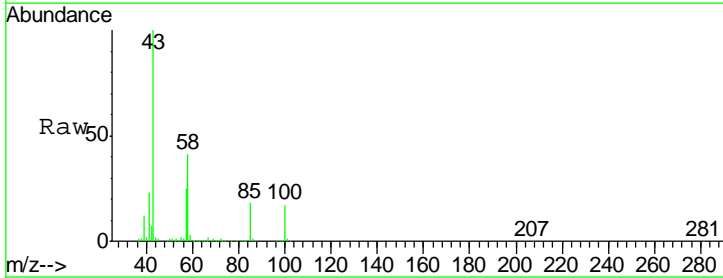
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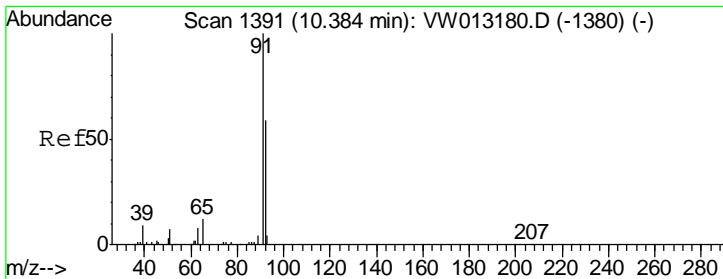
MMDadoda
 9/24/2019 5:29:04 AM



#51
 4-Methyl-2-Pentanone
 Concen: 287.809 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.2	31.7	47.5





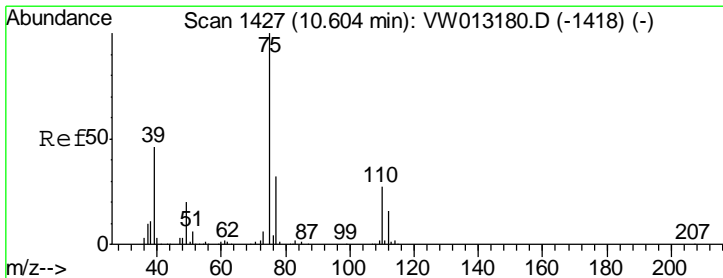
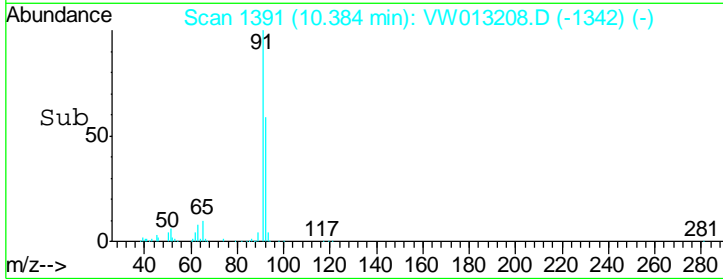
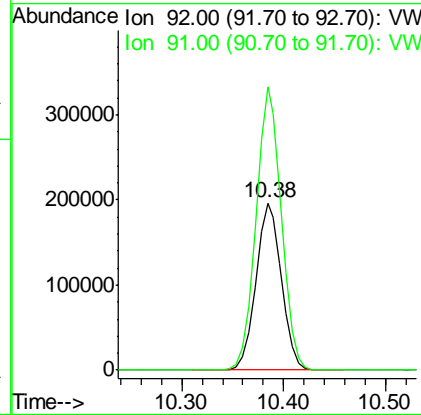
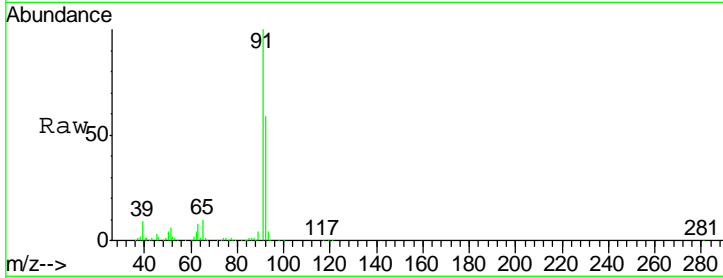
#52
 Toluene
 Concen: 41.913 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MS

Tgt Ion	Resp	Lower	Upper
92	341534		
92	100		
91	168.4	135.7	203.5

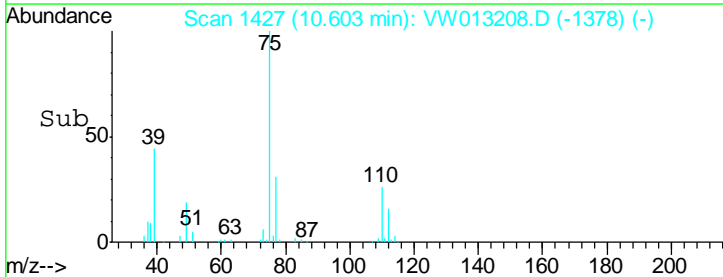
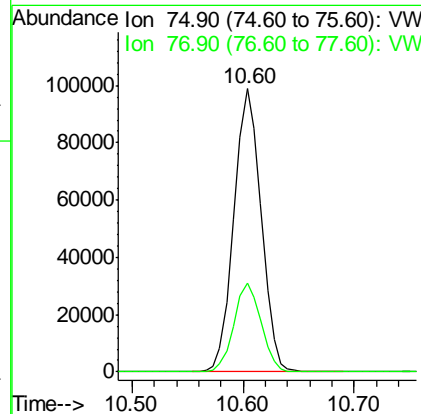
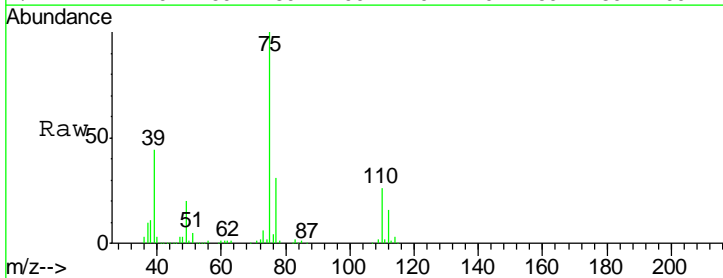
Manual Integrations
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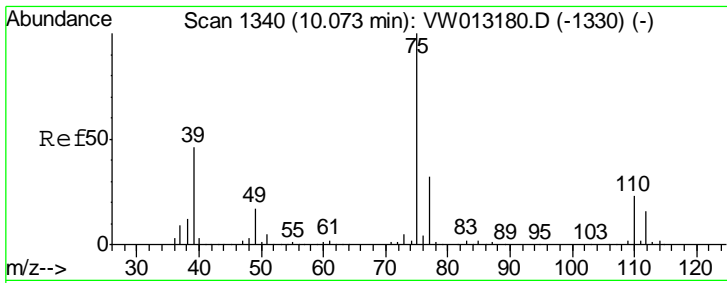
MMDadoda
 9/24/2019 5:29:04 AM



#53
 t-1,3-Dichloropropene
 Concen: 42.564 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
75	167692		
75	100		
77	31.5	25.5	38.3



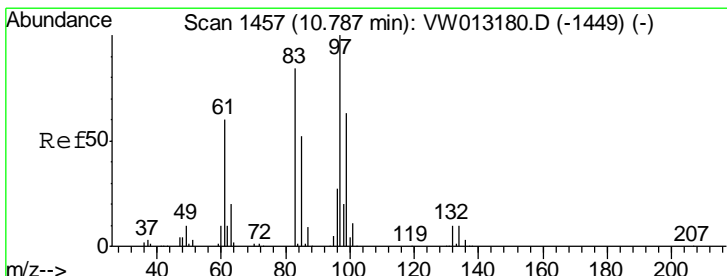
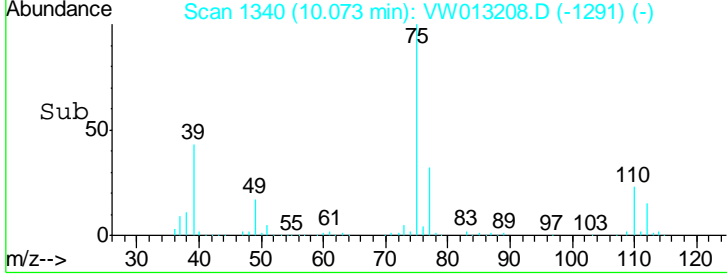
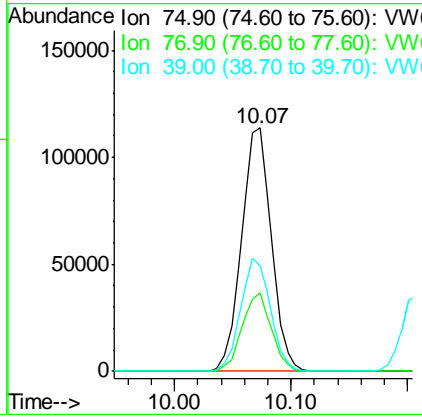
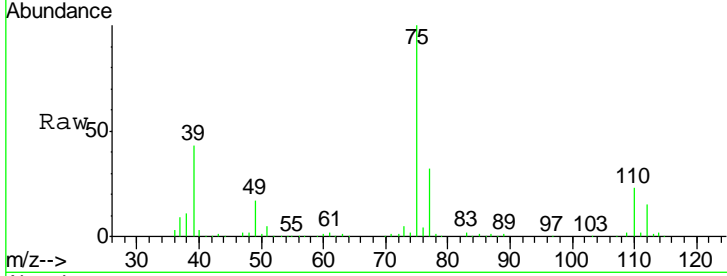


#54
 cis-1,3-Dichloropropene
 Concen: 42.503 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

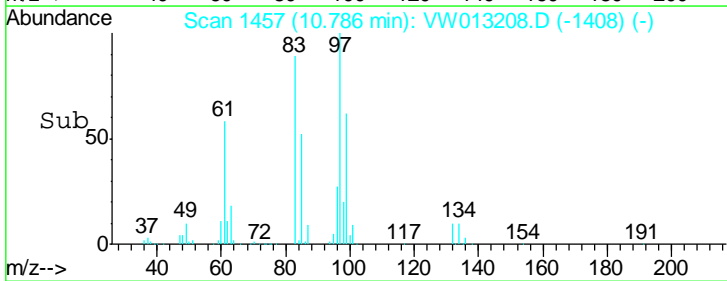
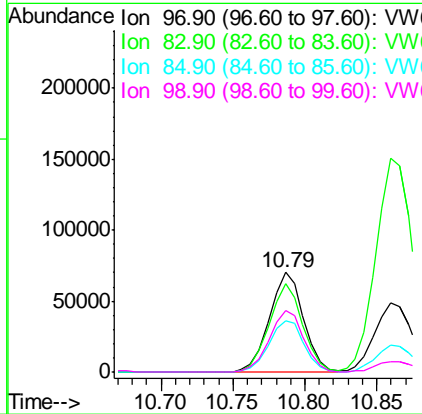
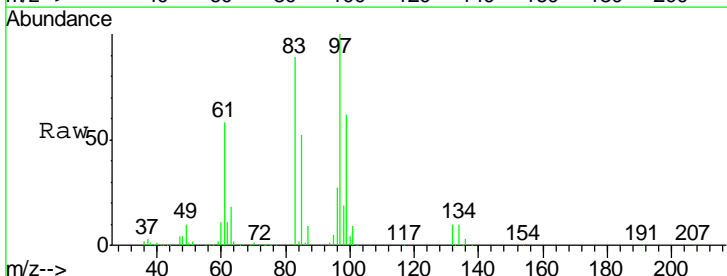
Tgt Ion	Resp	Lower	Upper
75	100		
77	32.4	25.2	37.8
39	43.3	36.6	55.0

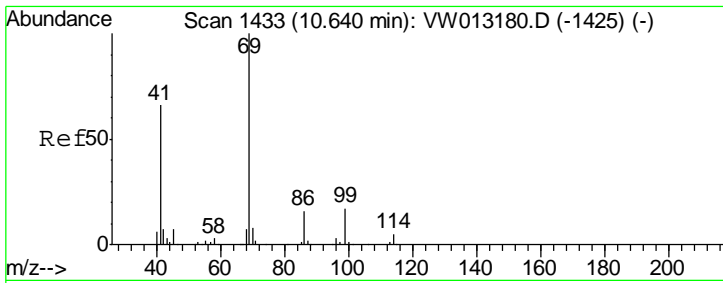
Manual Integrations
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#55
 1,1,2-Trichloroethane
 Concen: 51.336 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
97	100		
83	88.7	67.6	101.4
85	52.2	41.9	62.9
99	62.1	50.1	75.1



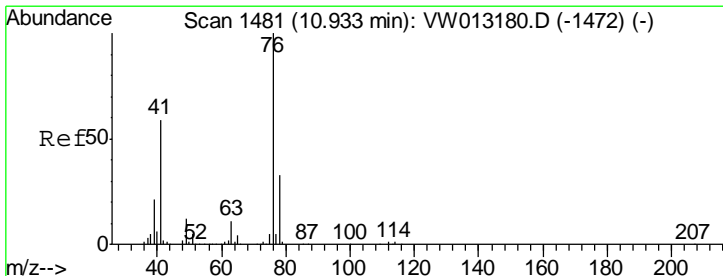
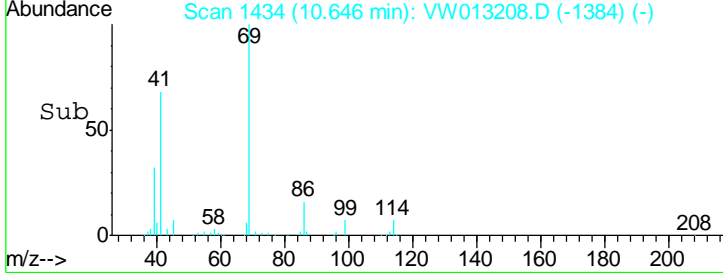
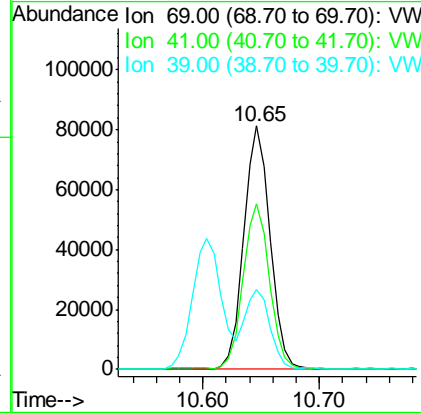
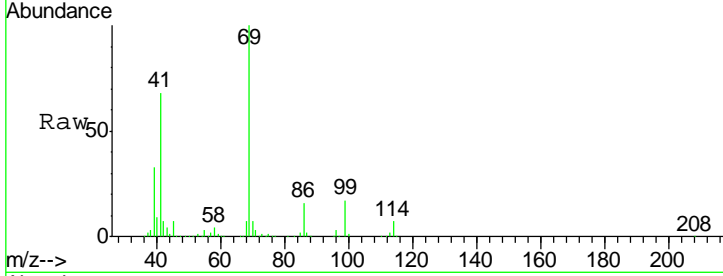


#56
 Ethyl methacrylate
 Concen: 43.457 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

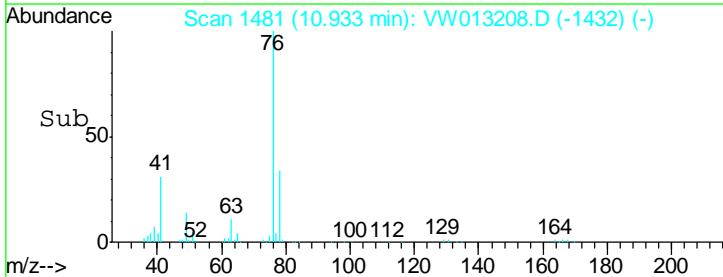
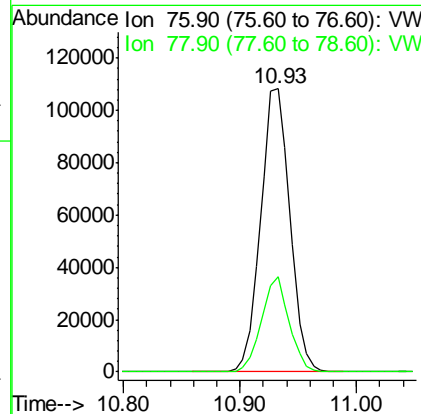
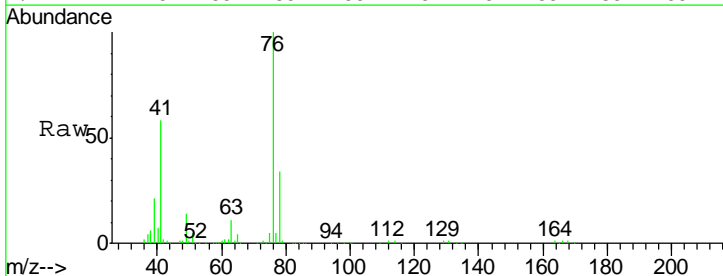
Tgt Ion	Resp	Lower	Upper
69	128109		
41	67.5	53.9	80.9
39	31.3	23.8	35.6

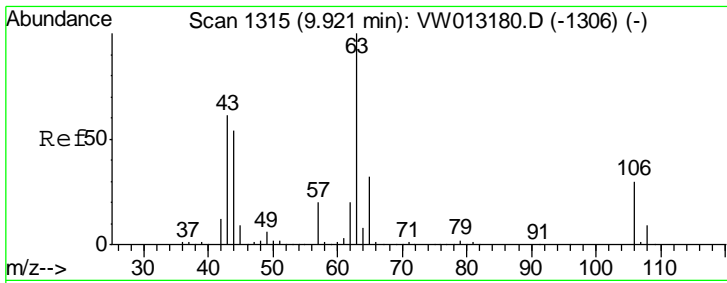
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#57
 1,3-Dichloropropane
 Concen: 47.914 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
76	188341		
78	31.8	25.5	38.3



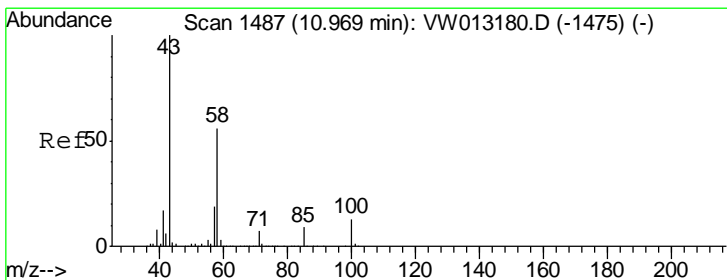
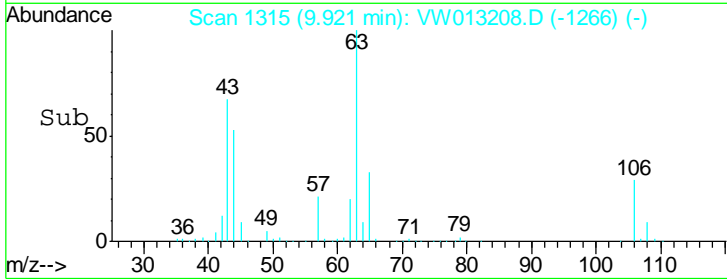
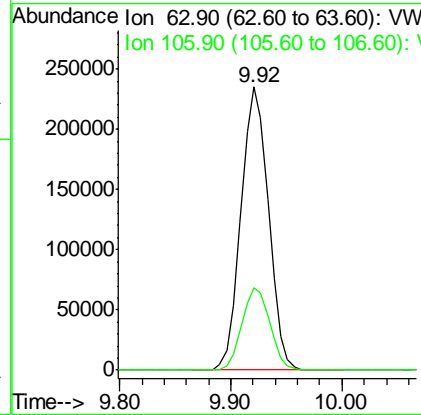
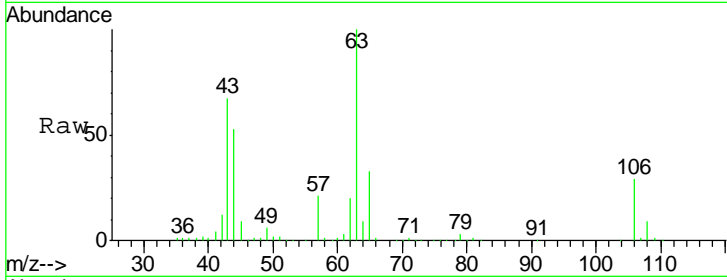


#58
 2-Chloroethyl Vinyl ether
 Concen: 294.908 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

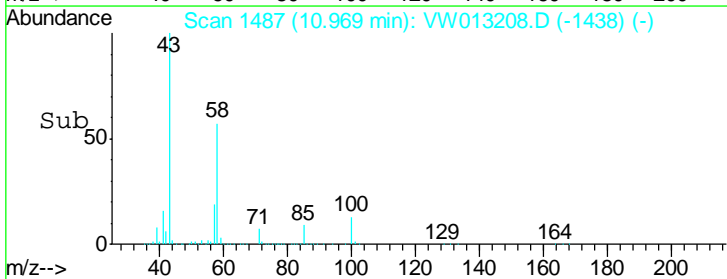
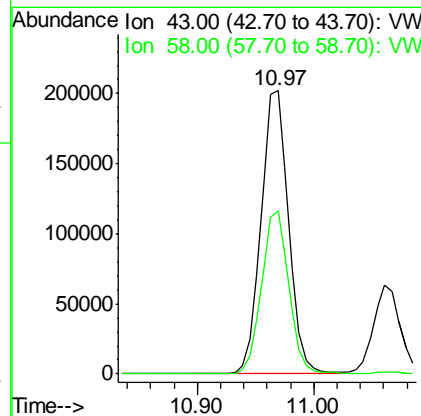
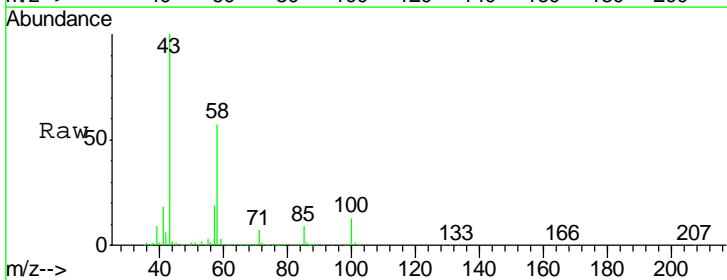
Tgt Ion	Resp	Lower	Upper
63	402476		
63	100		
106	29.4	23.4	35.0

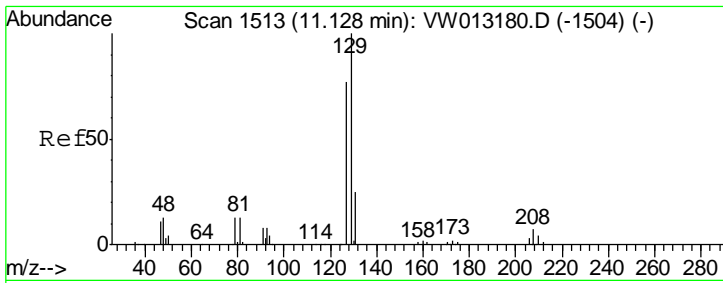
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#59
 2-Hexanone
 Concen: 260.485 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
43	333586		
43	100		
58	57.0	28.1	84.2



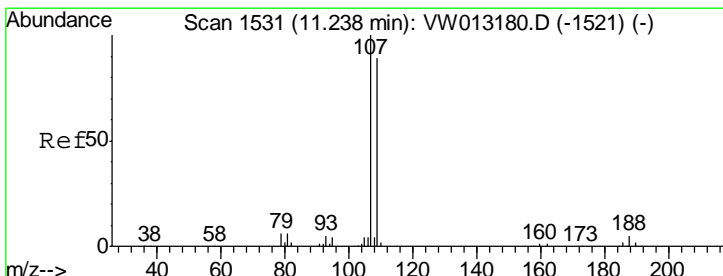
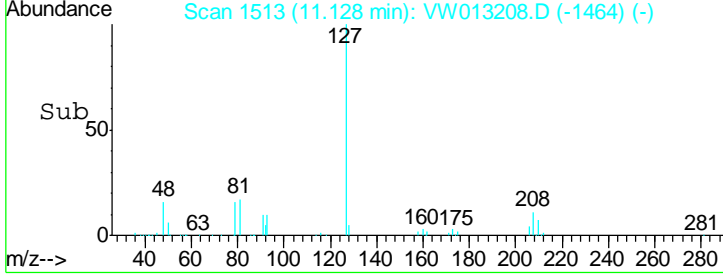
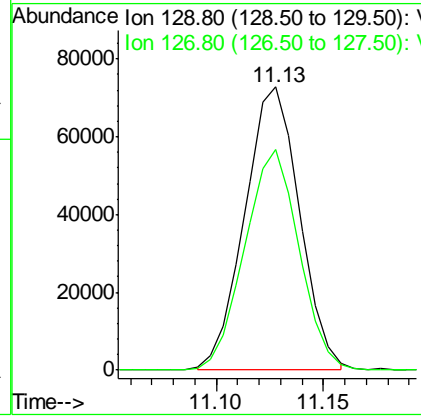
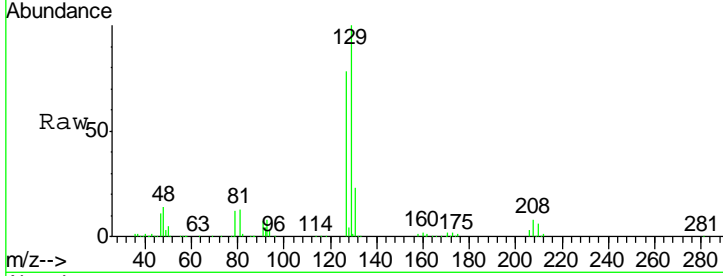


#60
 Dibromochloromethane
 Concen: 50.430 ug/l m
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

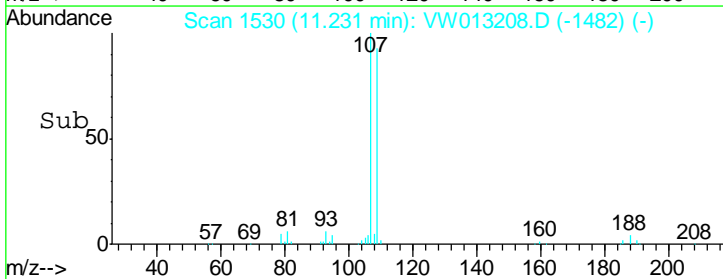
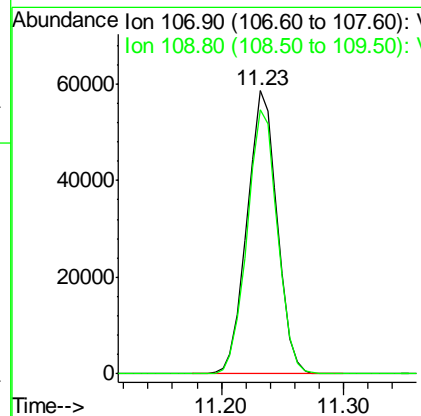
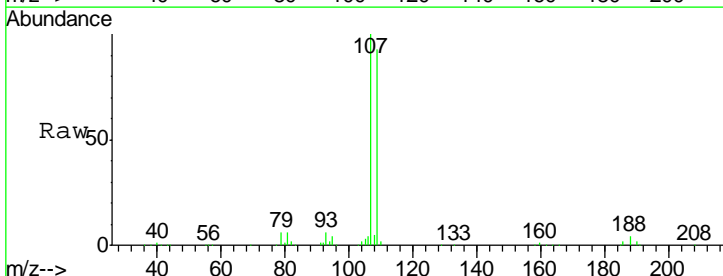
Tgt Ion	Resp	Lower	Upper
129	128987		
127	0.0	38.8	116.4#

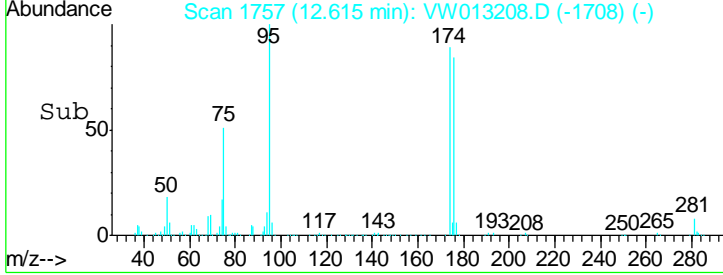
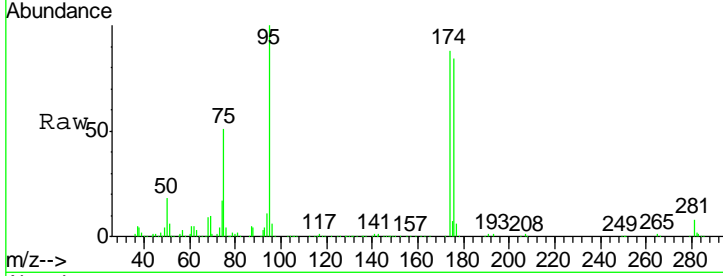
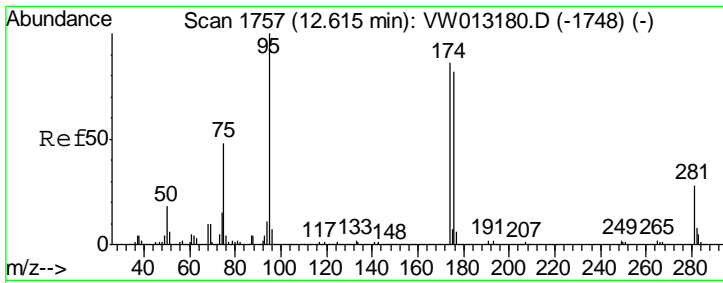
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#61
 1,2-Dibromoethane
 Concen: 46.655 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
107	99921		
109	94.0	75.2	112.8



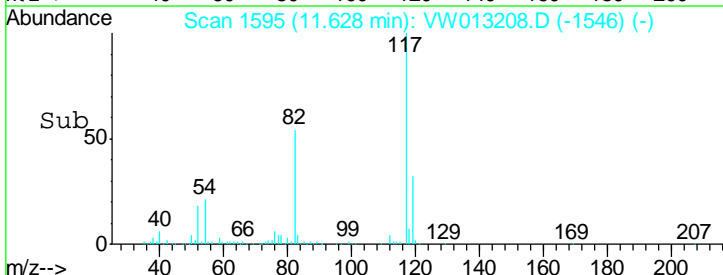
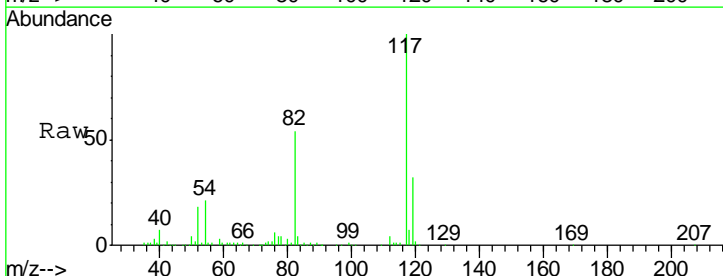
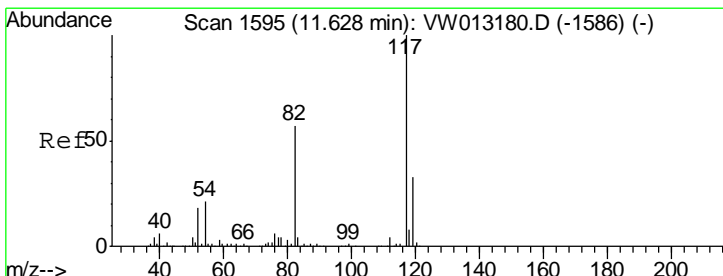
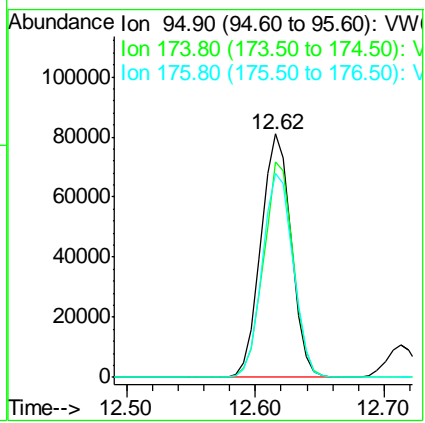


#62
 4-Bromofluorobenzene
 Concen: 35.660 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
95	131957		
95	100		
174	86.9	0.0	178.4
176	85.4	0.0	172.2

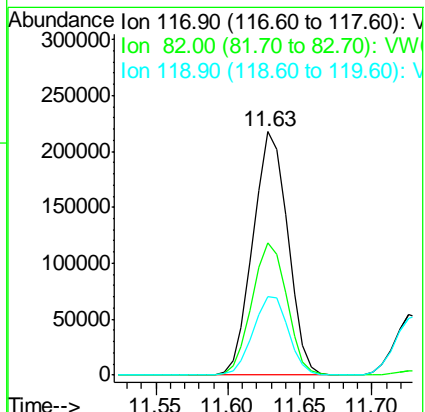
Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MS

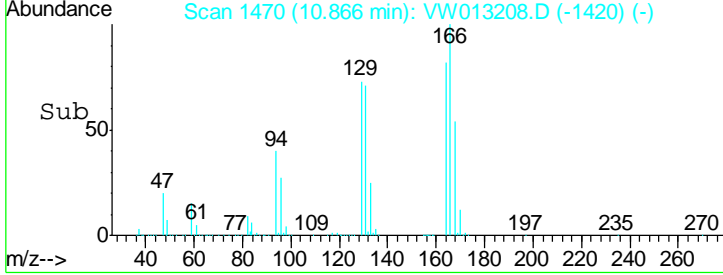
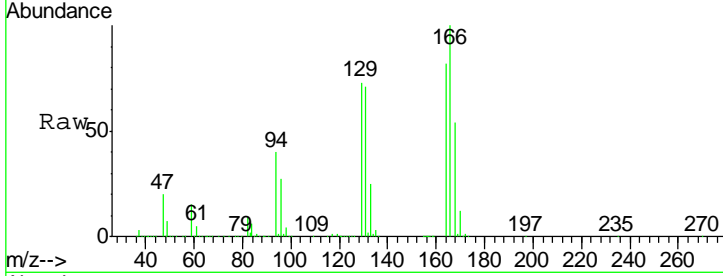
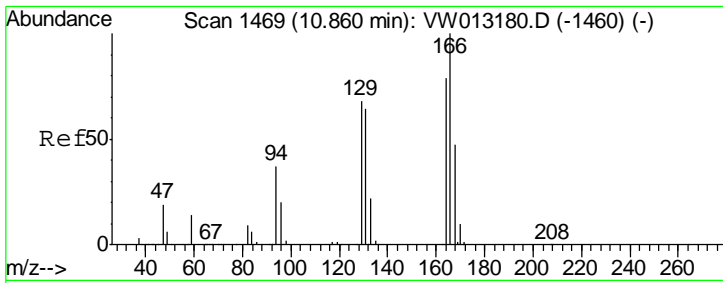
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
117	364579		
117	100		
82	54.3	45.9	68.9
119	32.0	26.2	39.2

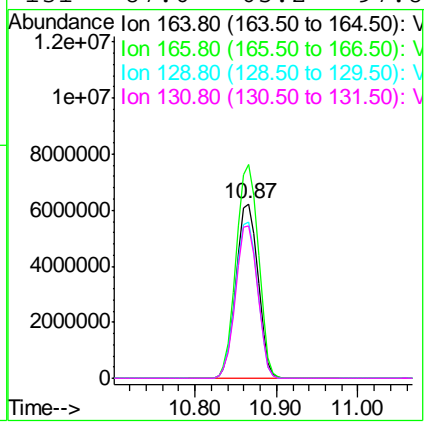




#64
 Tetrachloroethene
 Concen: 4160.321 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

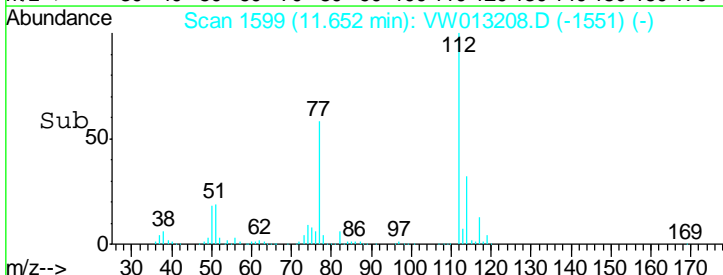
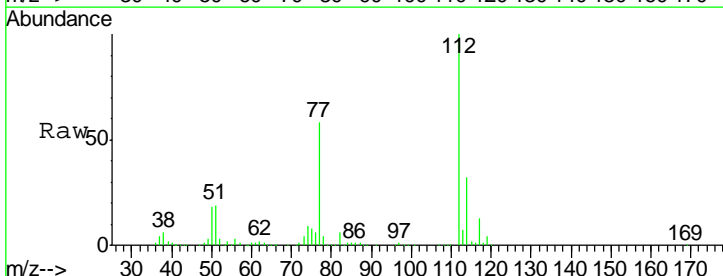
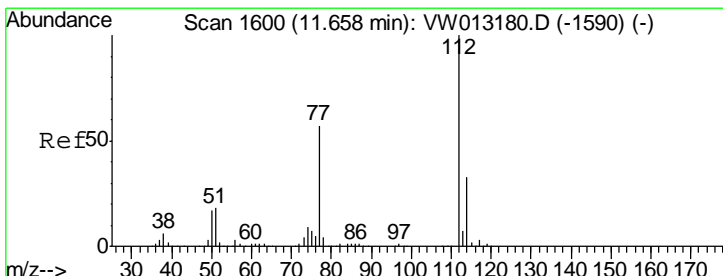
Tgt Ion:164 Resp:11508232

Ion	Ratio	Lower	Upper
164	100		
166	122.6	101.2	151.8
129	89.8	68.8	103.2
131	87.6	65.2	97.8



Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

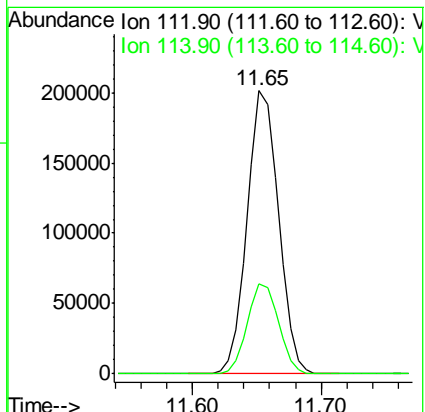
Manual Integrations
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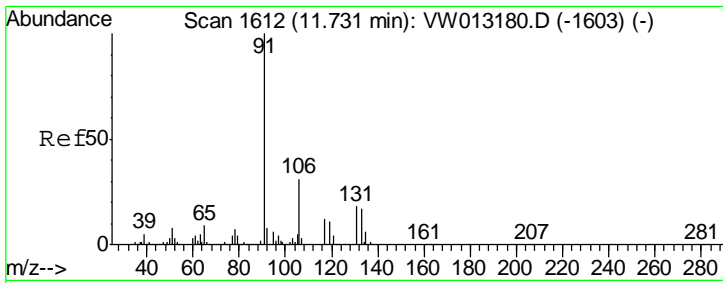


#65
 Chlorobenzene
 Concen: 44.457 ug/l
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion:112 Resp: 338458

Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.5	39.7





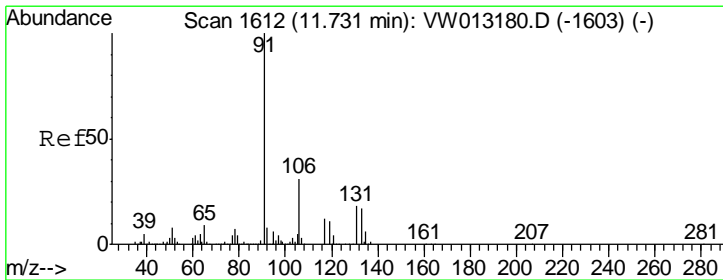
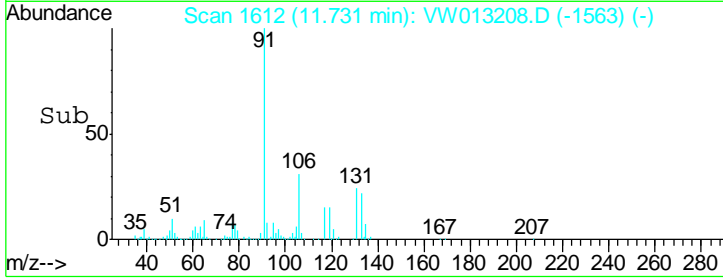
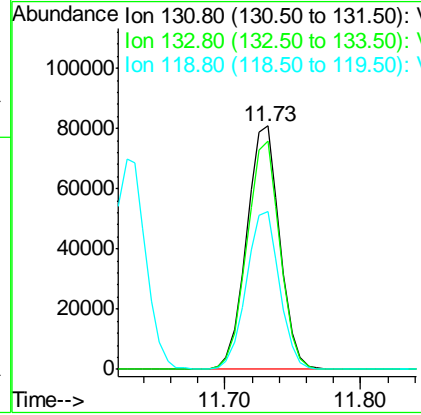
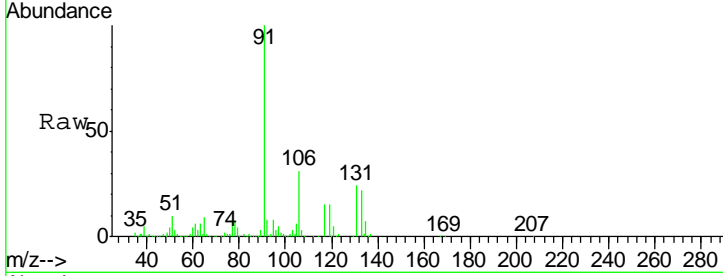
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.839 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MS

Tgt Ion	Resp	Lower	Upper
131	100		
133	93.3	47.5	142.6
119	65.1	32.5	97.5

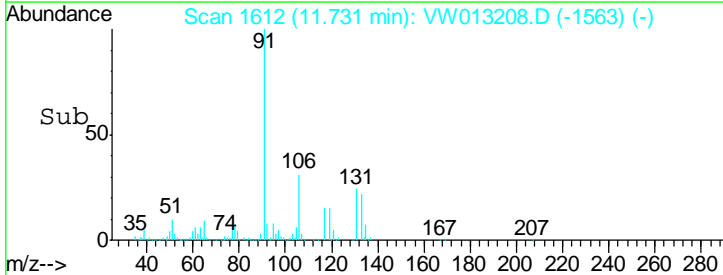
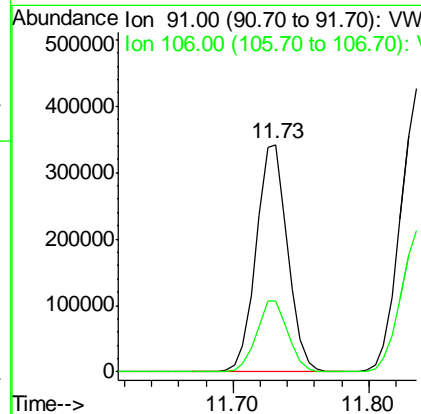
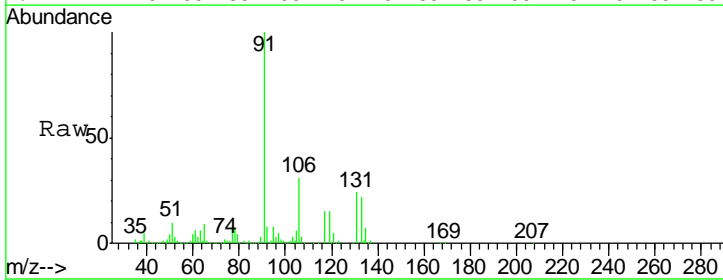
Manual Integrations
APPROVED

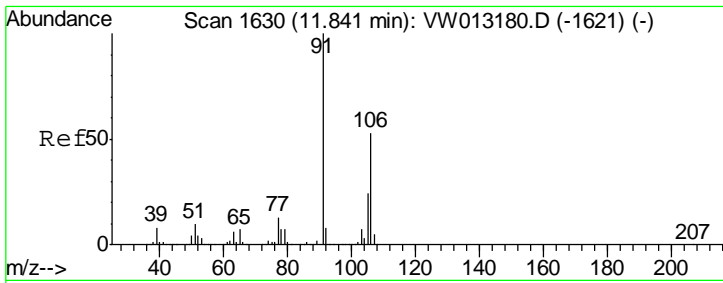
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#67
 Ethyl Benzene
 Concen: 40.271 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.3	24.9	37.3



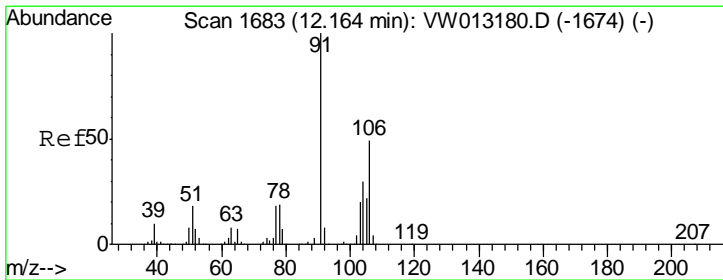
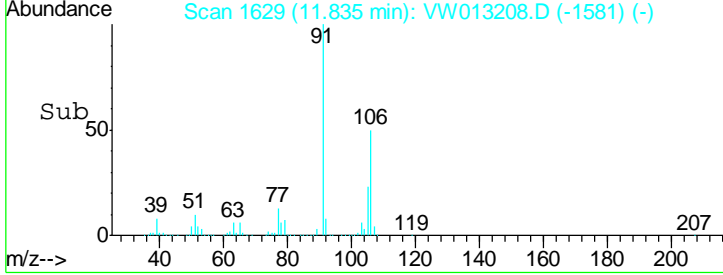
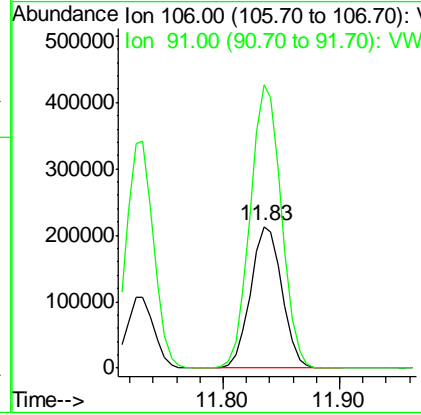
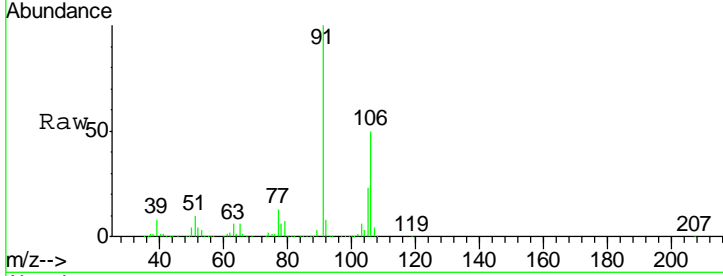


#68
 m/p-Xylenes
 Concen: 75.921 ug/l
 RT: 11.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
Client Sampled :
 982-S-3-(19)MS

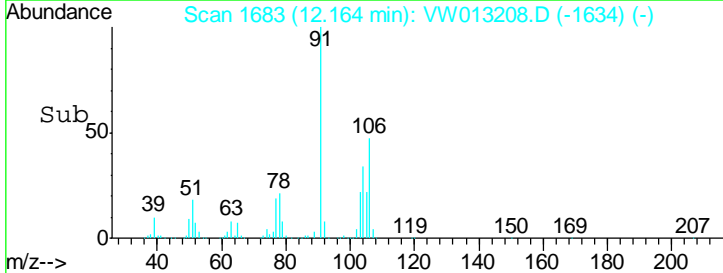
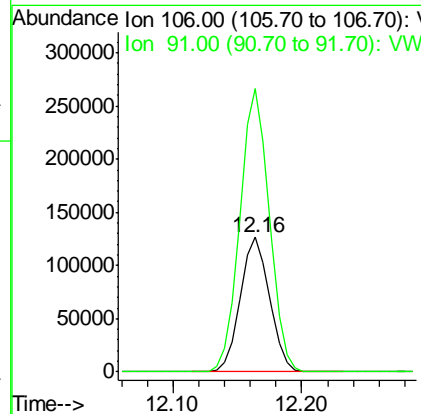
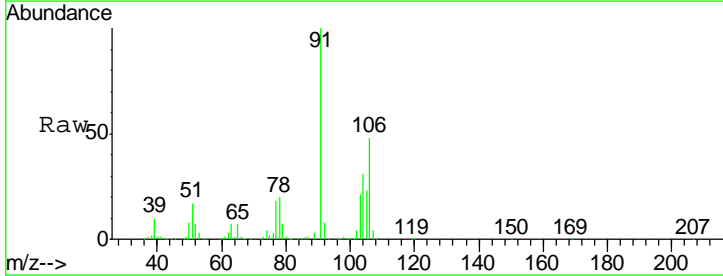
Tgt Ion	Resp	Lower	Upper
106	399074		
106	100		
91	198.8	157.9	236.9

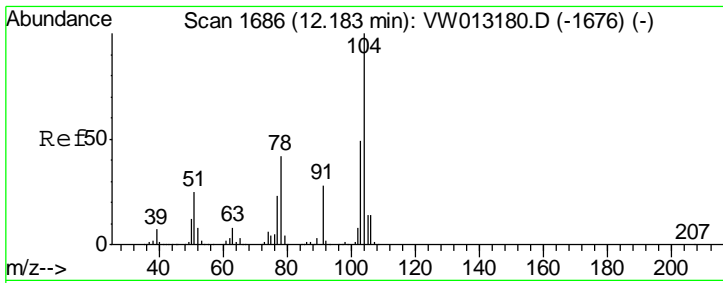
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#69
 o-Xylene
 Concen: 40.843 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
106	199601		
106	100		
91	211.0	106.5	319.5



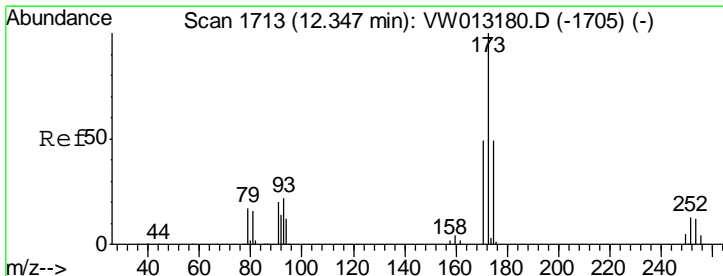
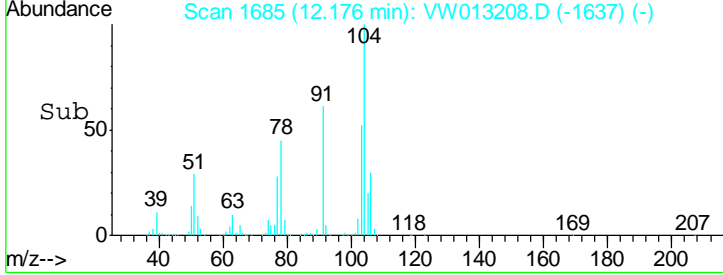
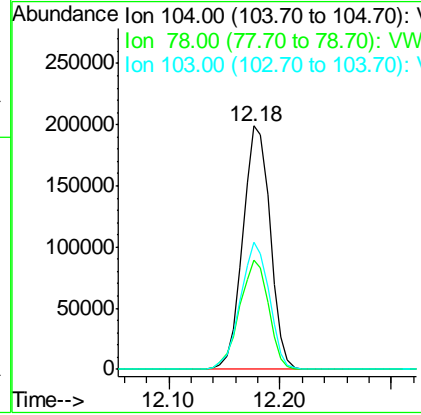
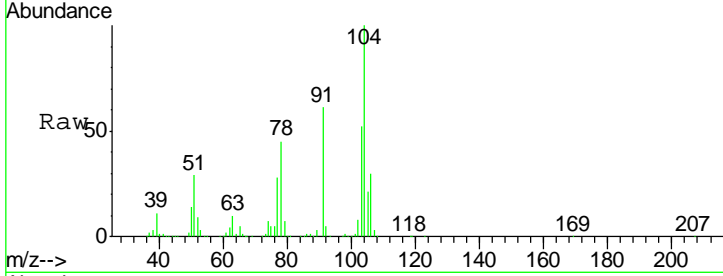


#70
 Styrene
 Concen: 40.373 ug/l
 RT: 12.18 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

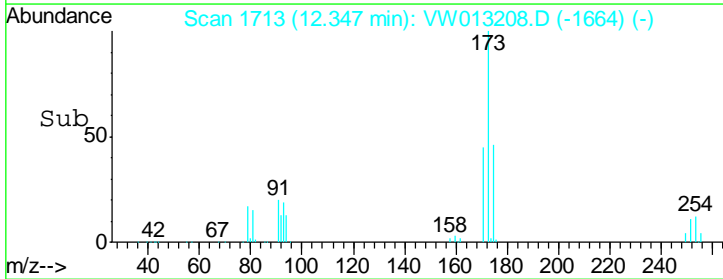
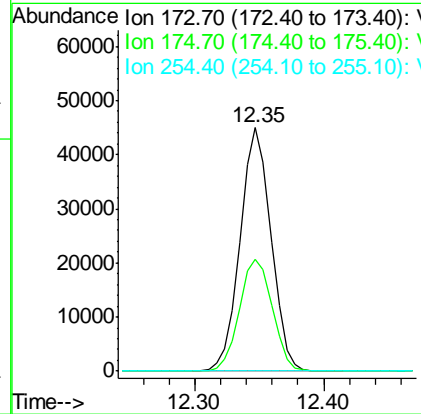
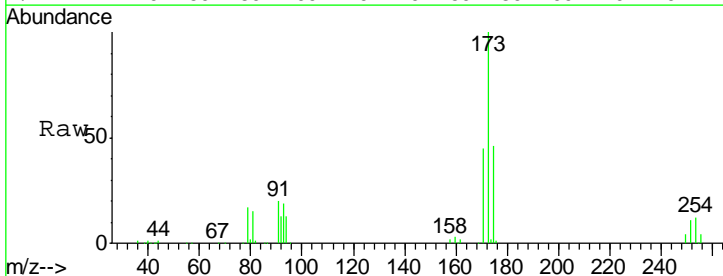
Tgt Ion	Resp	Lower	Upper
104	338730		
78	47.5	38.4	57.6
103	54.9	43.3	64.9

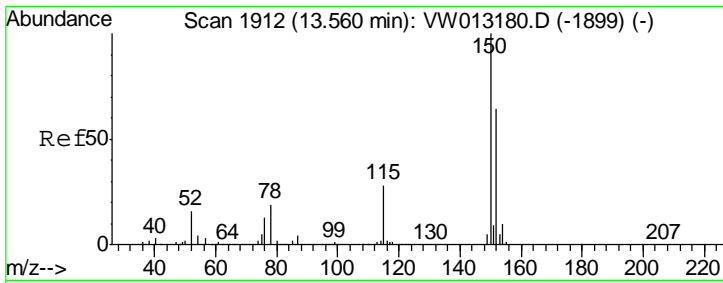
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#71
 Bromoform
 Concen: 54.363 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

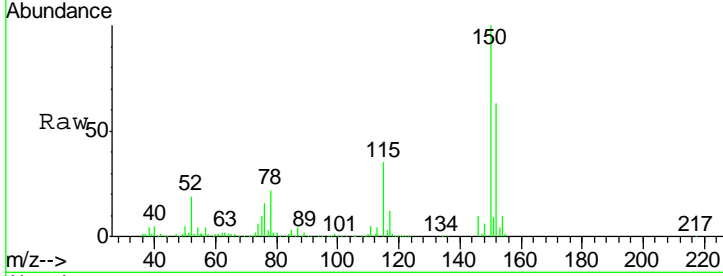
Tgt Ion	Resp	Lower	Upper
173	74698		
175	48.8	24.3	73.0
254	0.1	0.1	0.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

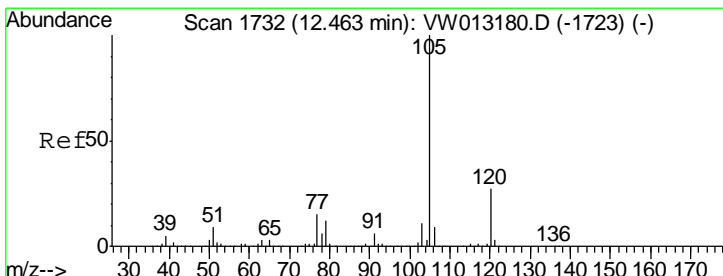
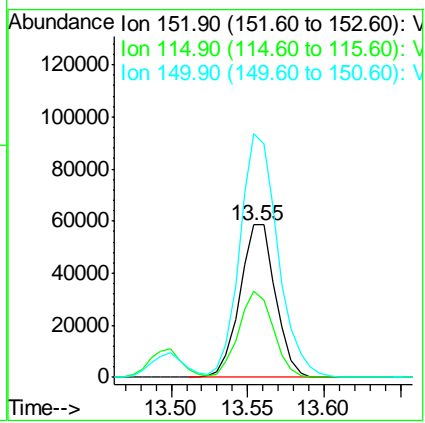
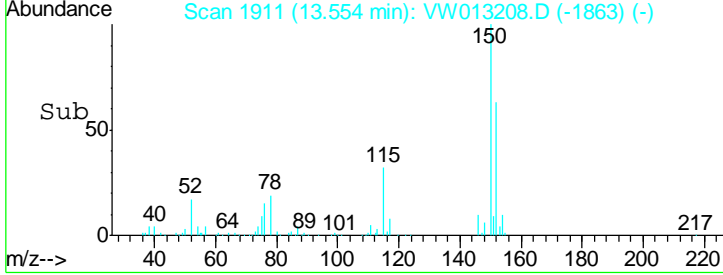
Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS



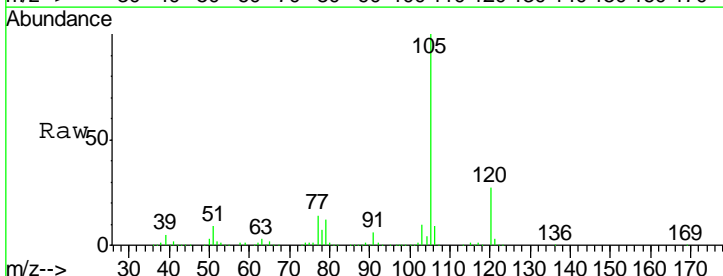
Tgt Ion:152 Resp: 94730

Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.3	81.9
150	170.5	0.0	349.0

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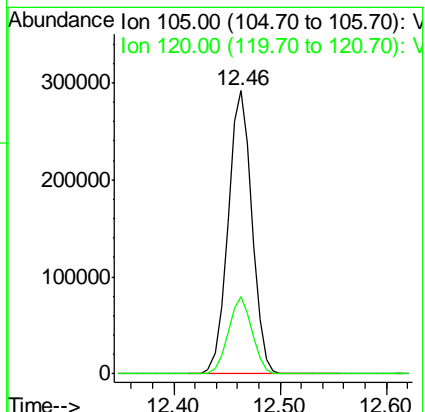
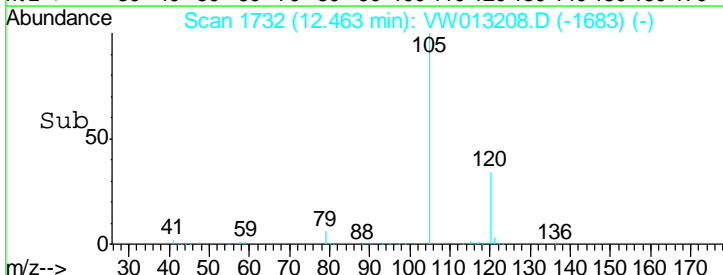


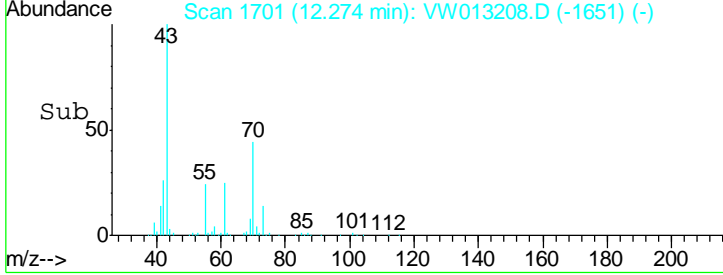
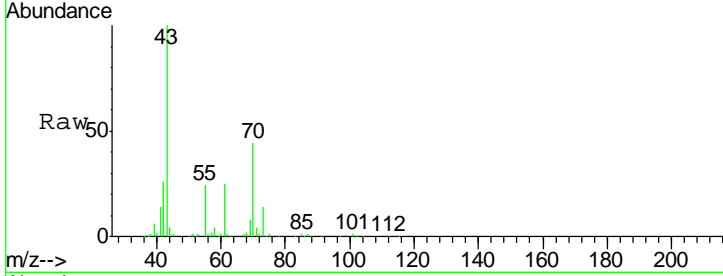
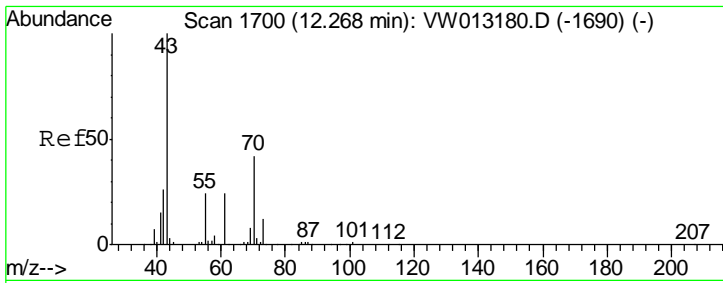
#73
 Isopropylbenzene
 Concen: 65.322 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03



Tgt Ion:105 Resp: 457107

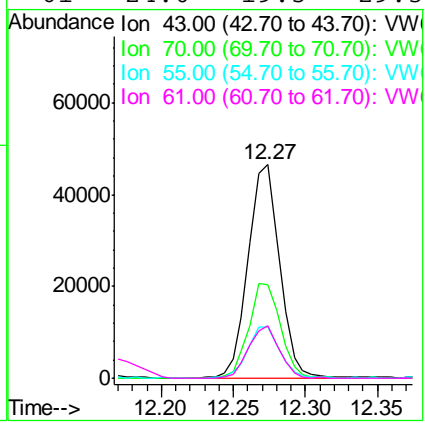
Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.1





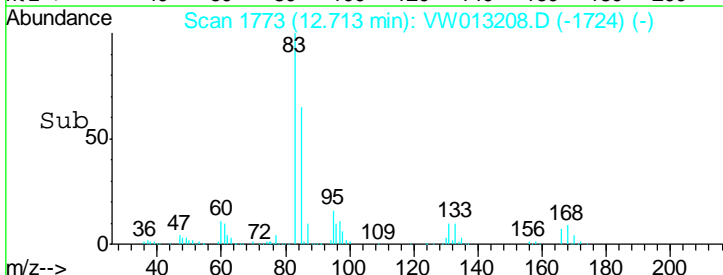
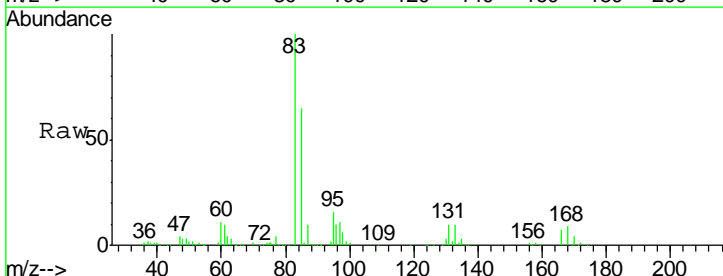
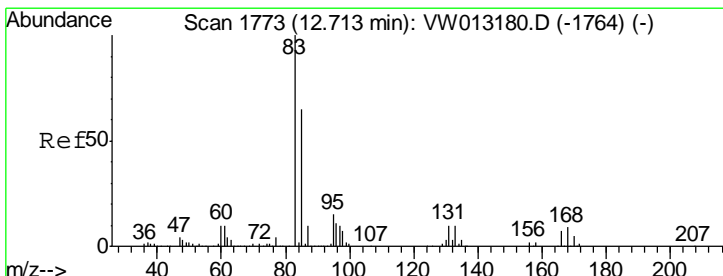
#74
 N-amyl acetate
 Concen: 45.314 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
43	100		
70	44.5	35.1	52.7
55	25.4	19.9	29.9
61	24.0	19.5	29.3



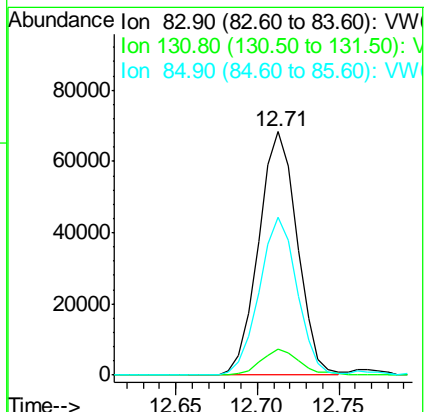
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

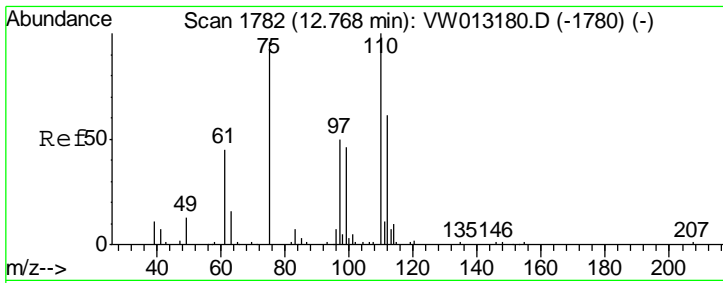
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 95.725 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.6	5.4	16.2
85	63.4	31.9	95.9



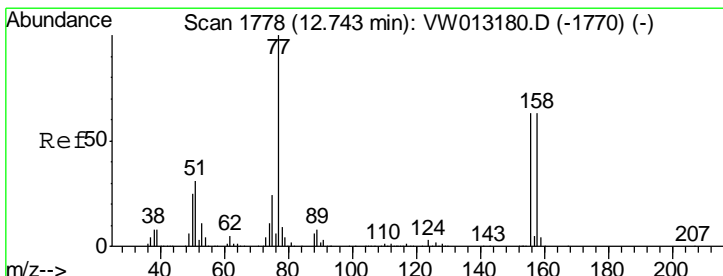
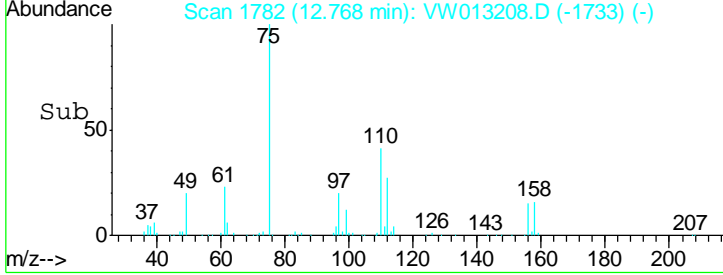
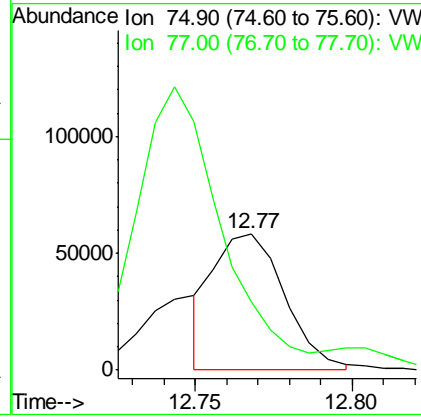
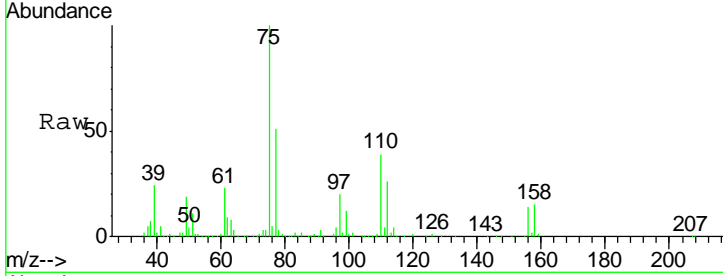


#76
 1,2,3-Trichloropropane
 Concen: 109.504 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

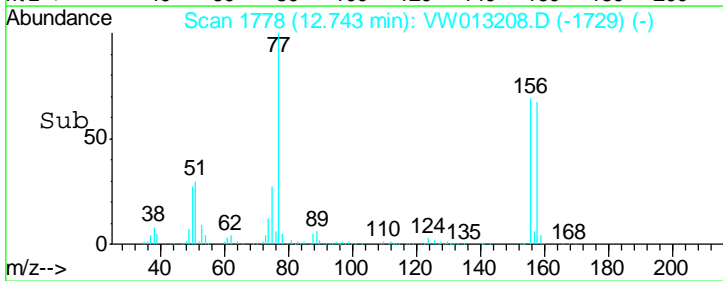
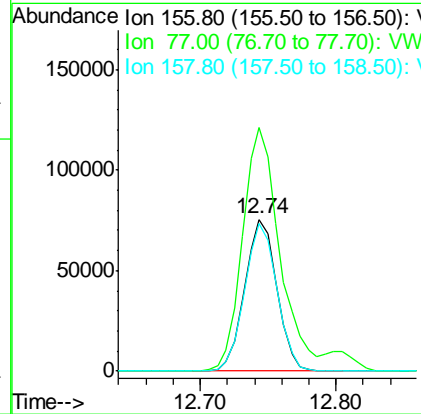
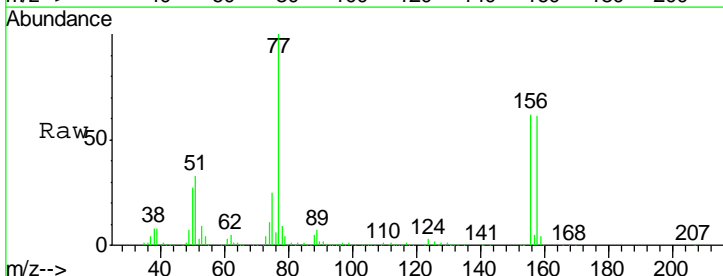
Tgt Ion: 75 Resp: 91610
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

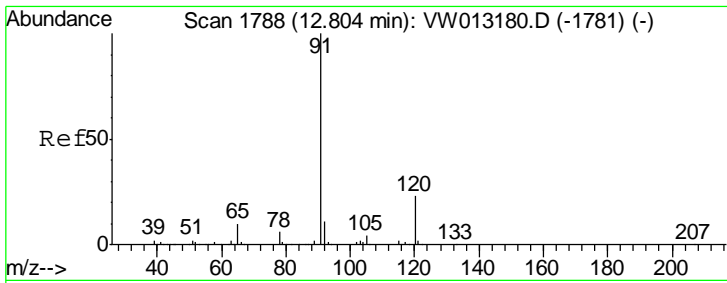
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#77
 Bromobenzene
 Concen: 74.994 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion: 156 Resp: 124361
 Ion Ratio Lower Upper
 156 100
 77 184.8 85.7 257.1
 158 97.8 48.1 144.4



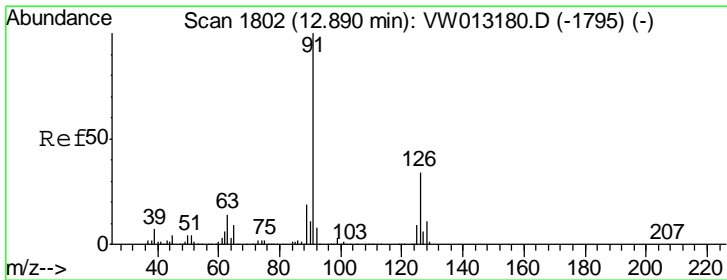
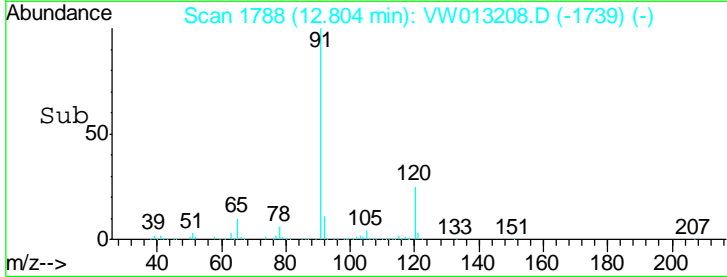
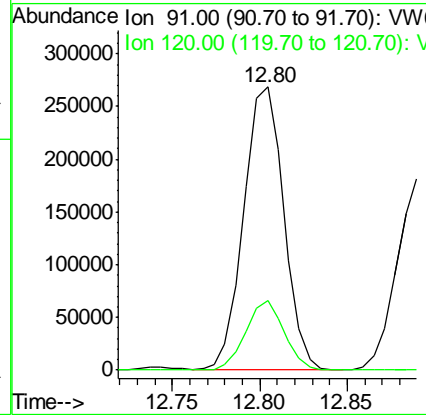
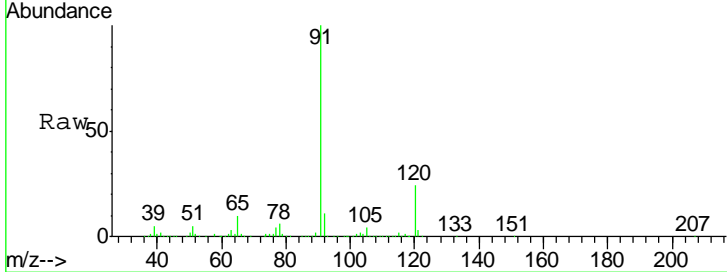


#78
 n-propylbenzene
 Concen: 52.372 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

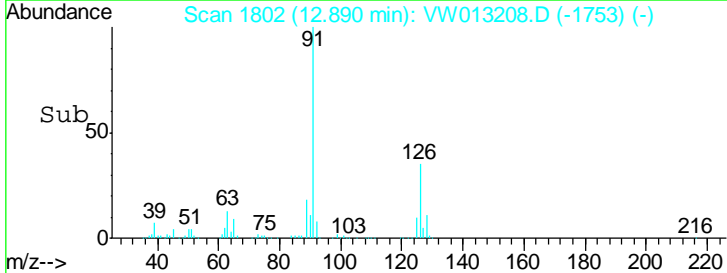
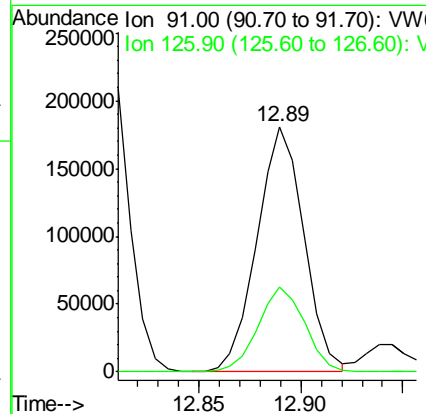
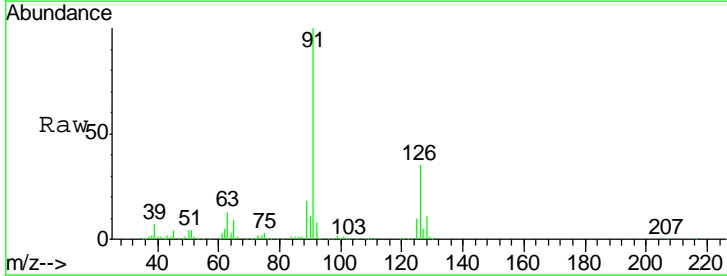
Tgt Ion	Resp	Lower	Upper
91	100		
120	23.6	11.7	35.1

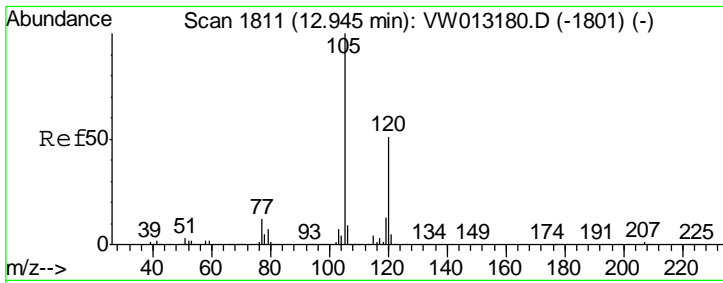
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#79
 2-Chlorotoluene
 Concen: 62.682 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

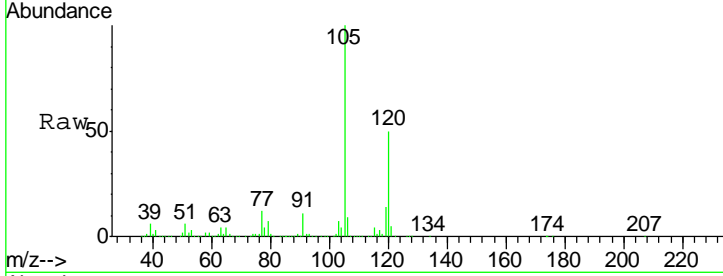
Tgt Ion	Resp	Lower	Upper
91	100		
126	34.6	17.2	51.5





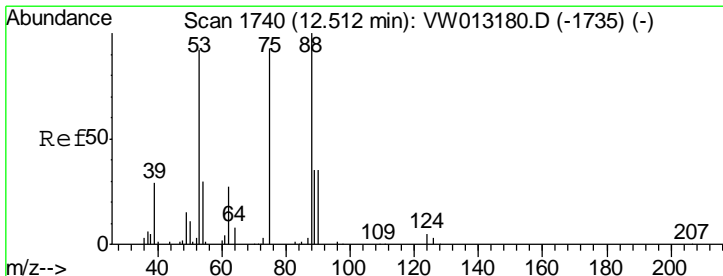
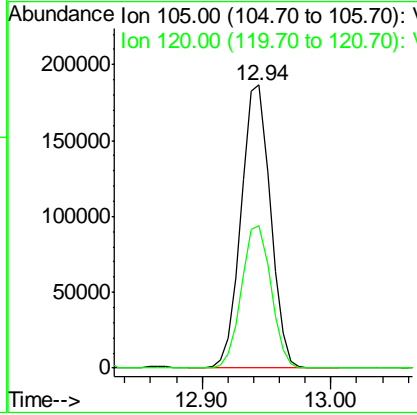
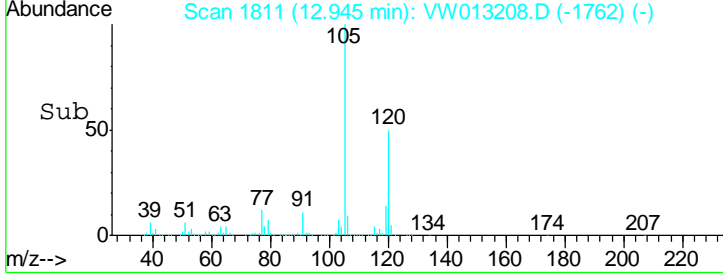
#80
 1,3,5-Trimethylbenzene
 Concen: 49.893 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

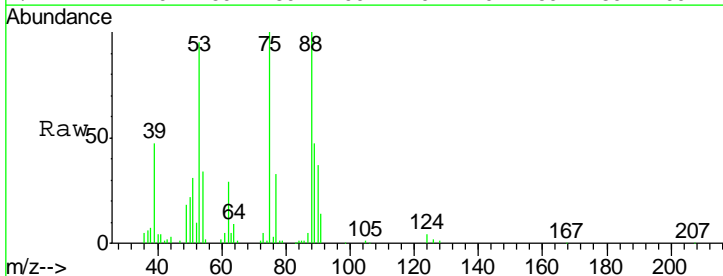


Tgt Ion: 105 Resp: 293489
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.9 74.8

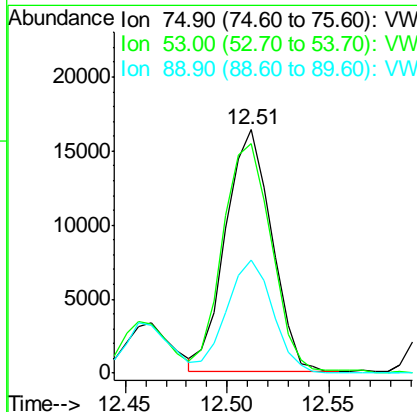
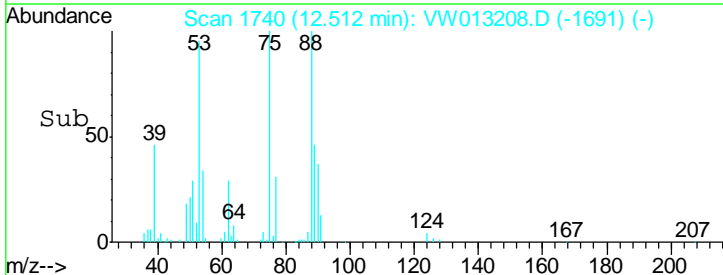
Manual Integrations
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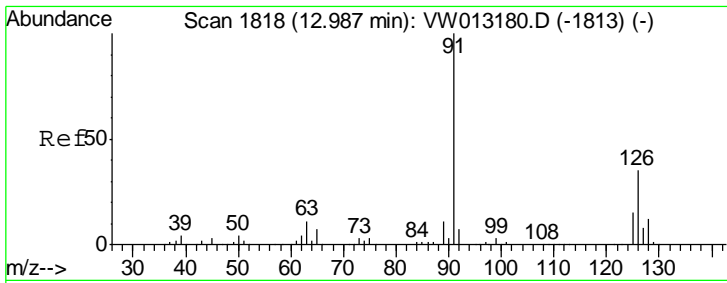


#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.627 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03



Tgt Ion: 75 Resp: 25586
 Ion Ratio Lower Upper
 75 100
 53 102.0 76.6 114.8
 89 47.4 33.5 50.3



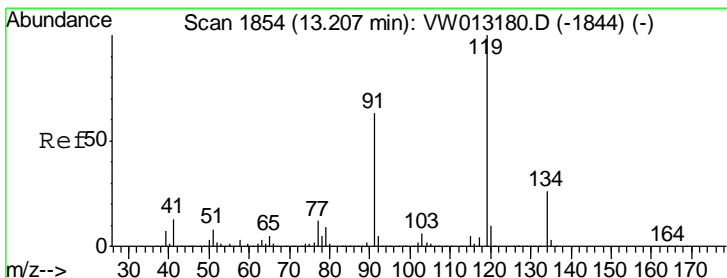
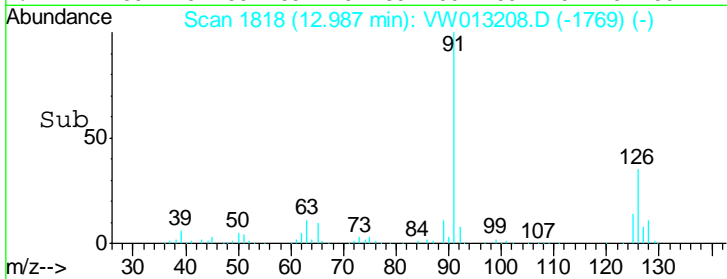
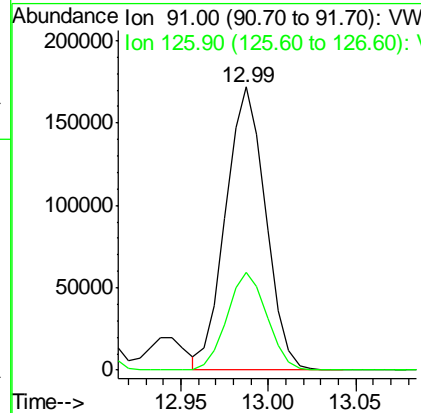
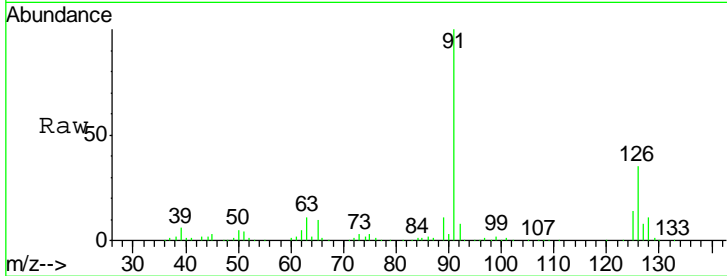


#82
 4-Chlorotoluene
 Concen: 55.976 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MS

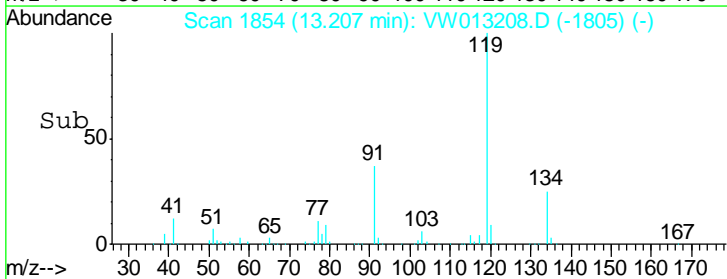
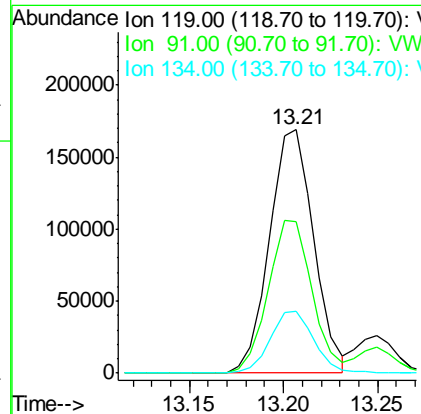
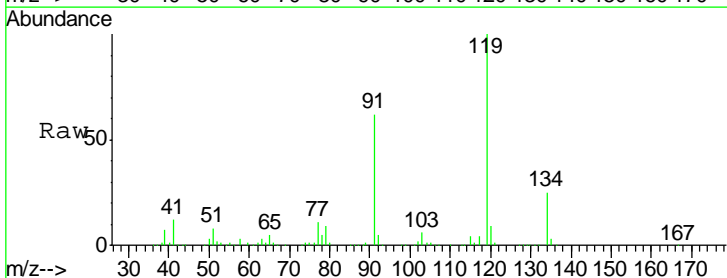
Tgt Ion	Resp	Lower	Upper
91	270881	100	
126	34.6	17.3	51.7

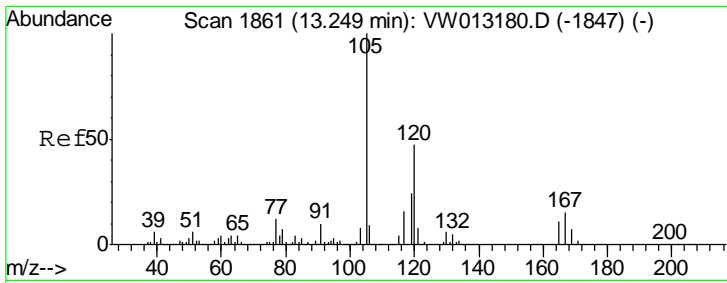
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#83
 tert-Butylbenzene
 Concen: 53.250 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

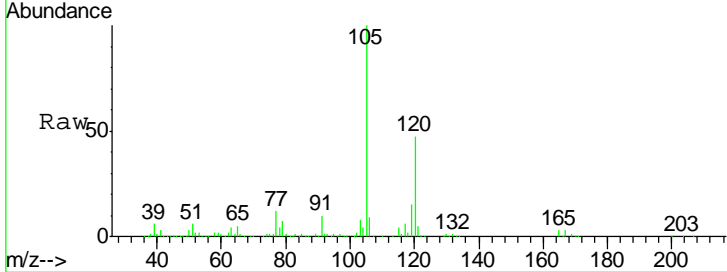
Tgt Ion	Resp	Lower	Upper
119	274930	100	
91	62.3	30.7	92.1
134	25.3	12.6	37.6





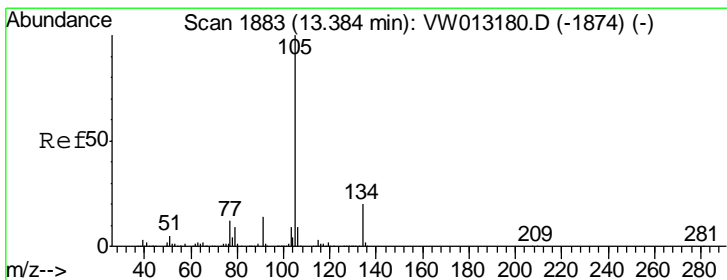
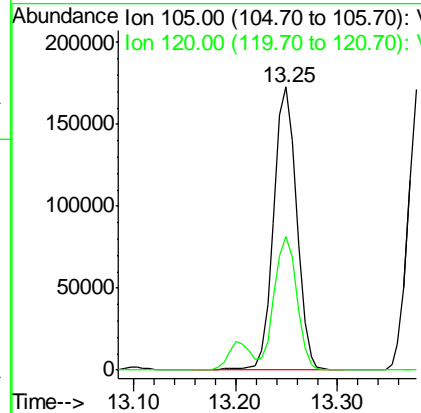
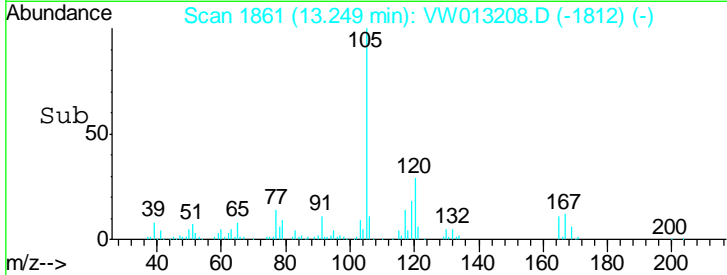
#84
 1,2,4-Trimethylbenzene
 Concen: 46.073 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS

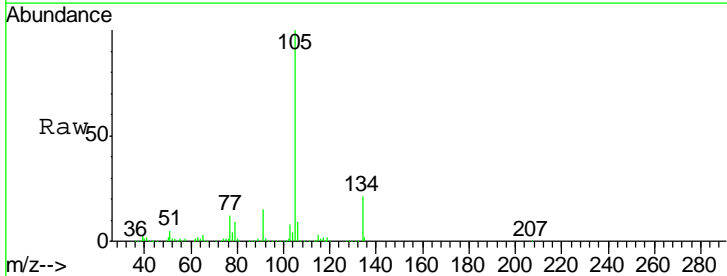


Tgt Ion:105 Resp: 269688
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.3

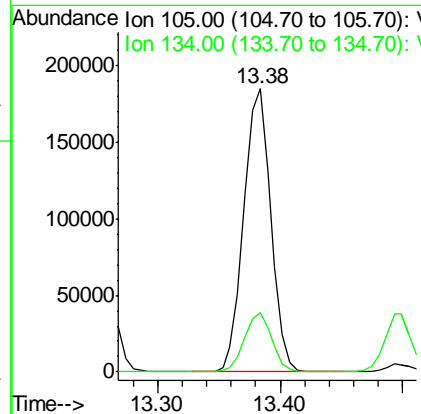
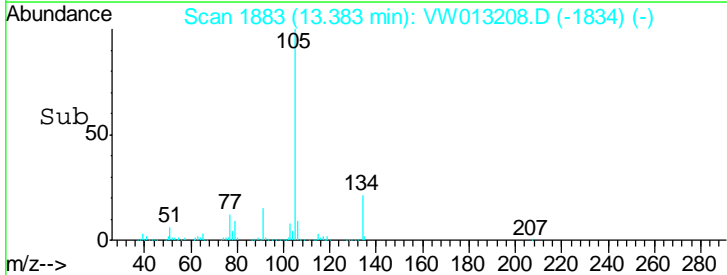
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 9/24/2019 5:29:04 AM

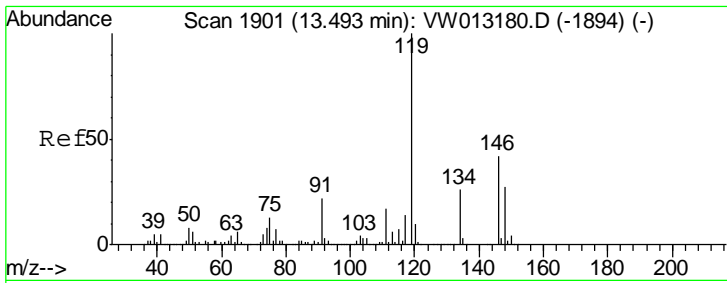


#85
 sec-Butylbenzene
 Concen: 39.833 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03



Tgt Ion:105 Resp: 283535
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.3 30.8



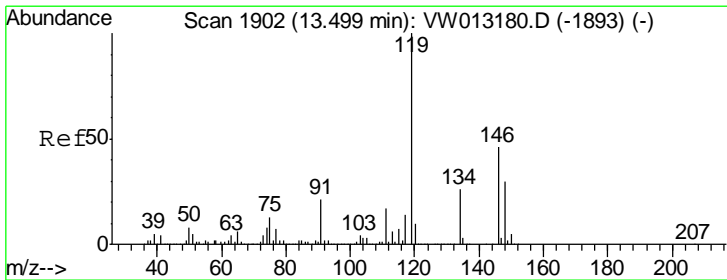
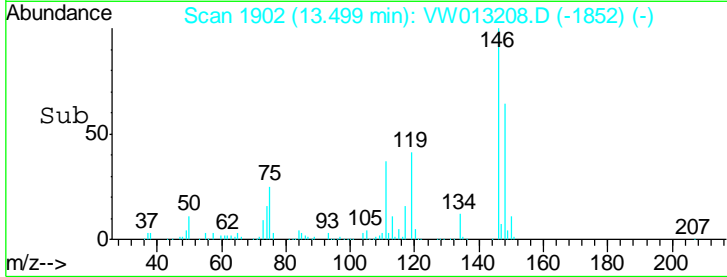
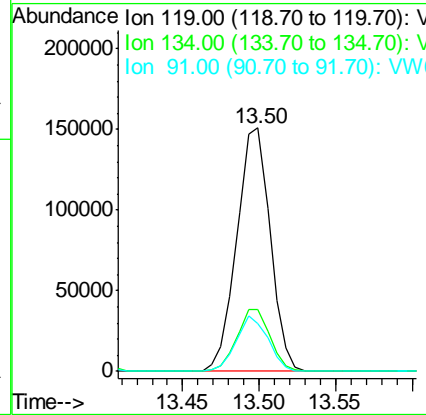
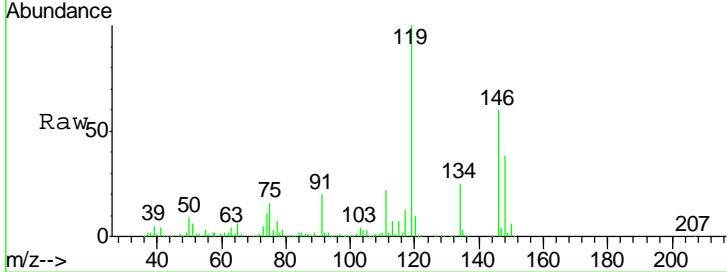


#86
 p-Isopropyltoluene
 Concen: 34.597 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MS

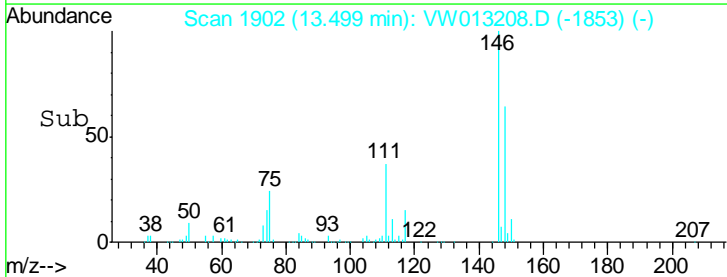
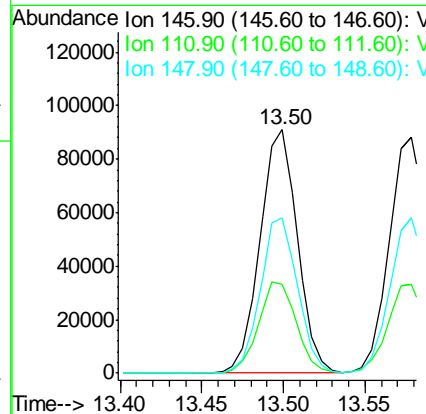
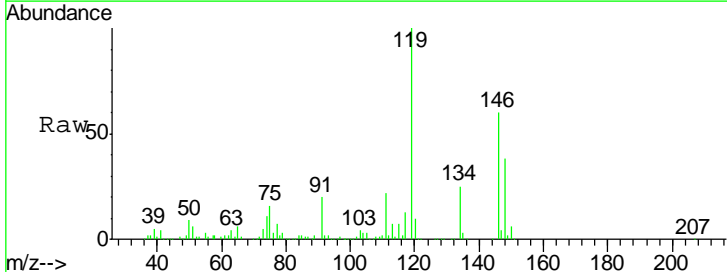
Tgt Ion	Resp	Lower	Upper
119	228418		
134	25.4	13.3	39.8
91	21.5	10.8	32.4

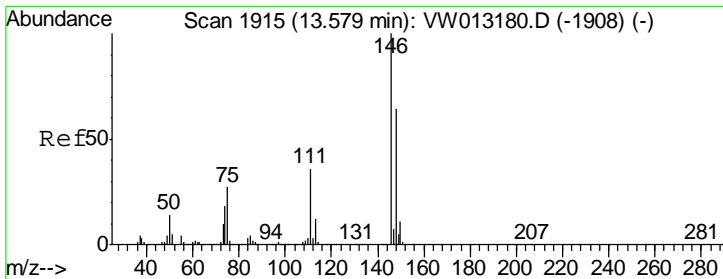
Manual Integrations
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 9/24/2019 5:29:04 AM



#87
 1,3-Dichlorobenzene
 Concen: 45.467 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

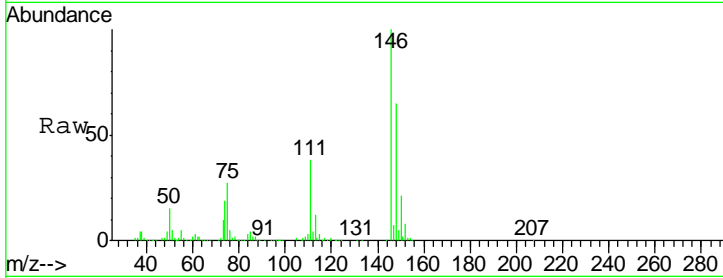
Tgt Ion	Resp	Lower	Upper
146	145107		
111	37.8	18.9	56.9
148	63.8	31.9	95.5





#88
 1,4-Dichlorobenzene
 Concen: 45.713 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

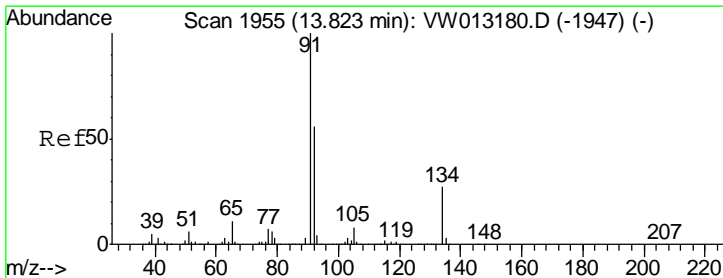
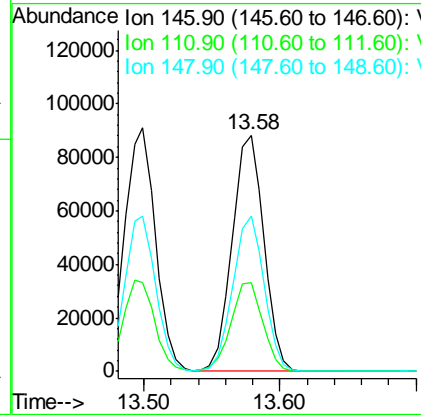
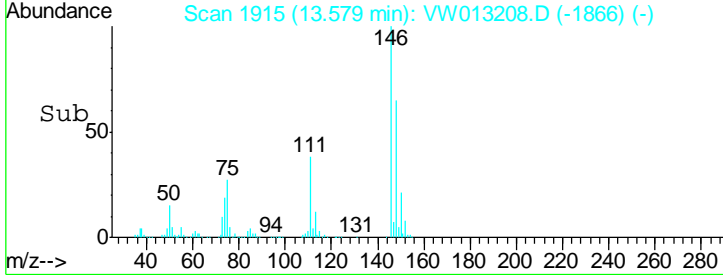
Instrument :
 MSVOA_W
 Client Sampled :
 982-S-3-(19)MS



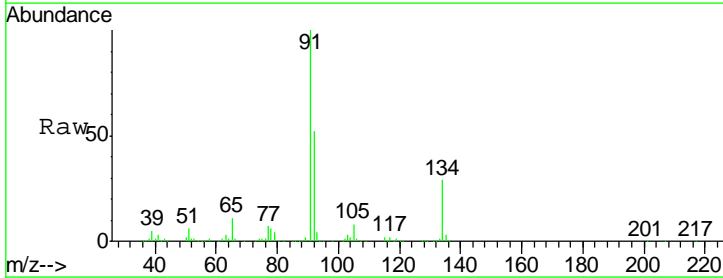
Tgt Ion: 146 Resp: 143082

Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.0
148	64.9	32.1	96.3

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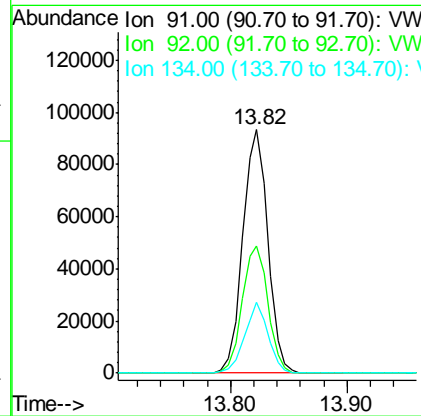
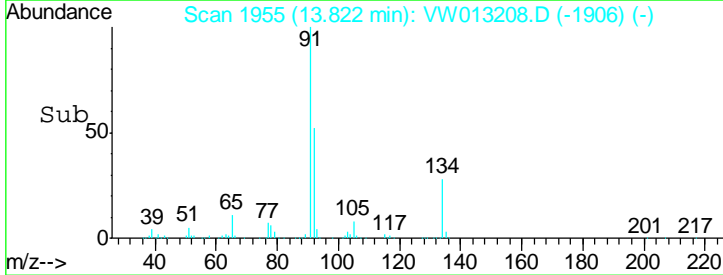


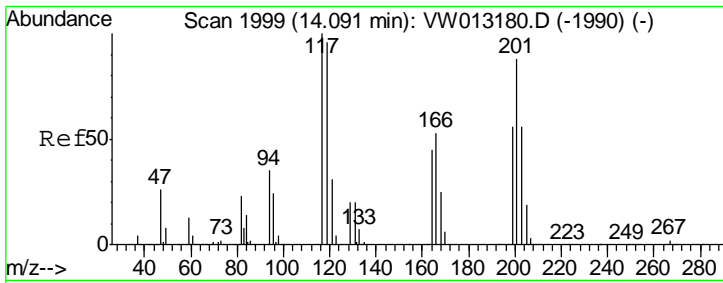
#89
 n-Butylbenzene
 Concen: 23.275 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03



Tgt Ion: 91 Resp: 140315

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.8
134	27.2	13.7	41.1



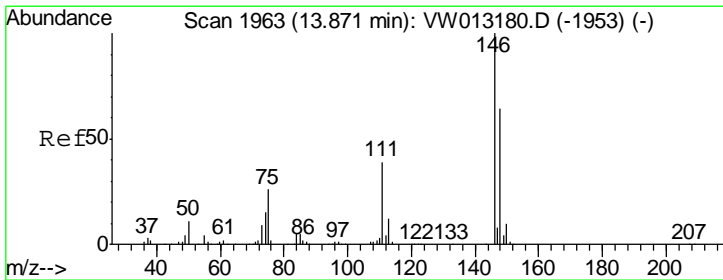
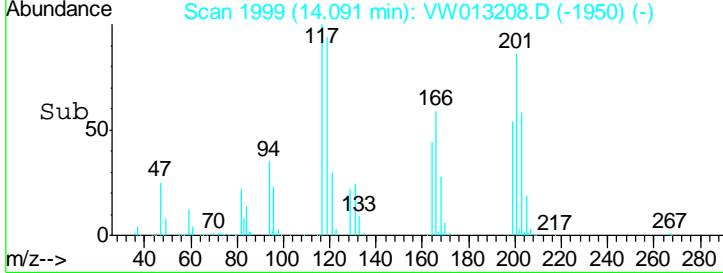
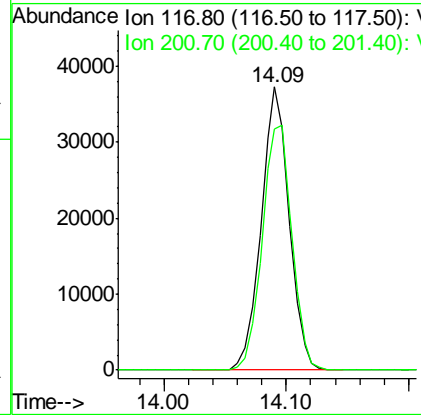
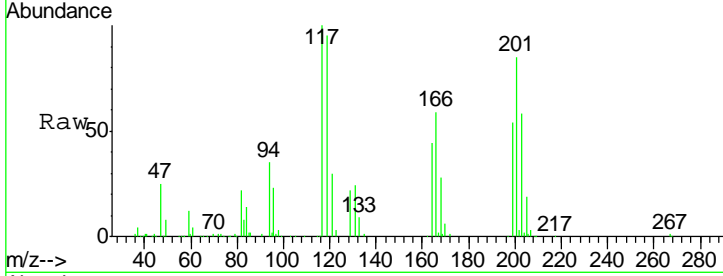


#90
 Hexachloroethane
 Concen: 53.420 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

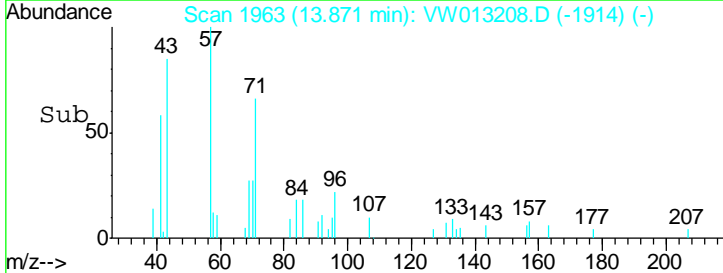
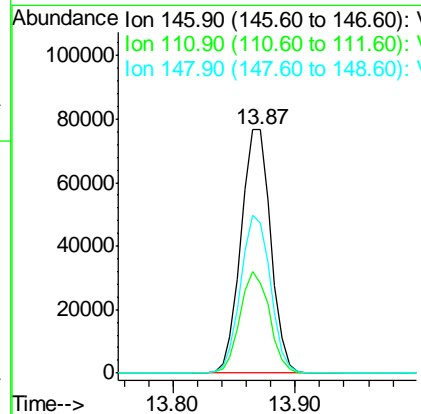
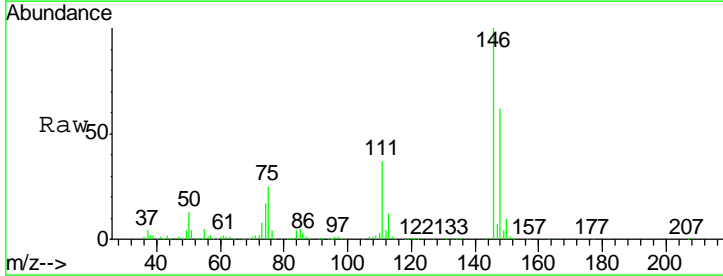
Tgt Ion	Resp	Lower	Upper
117	100		
201	91.8	44.5	133.5

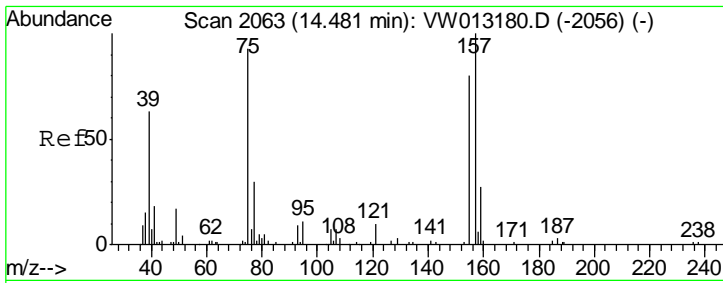
Manual Integrations
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#91
 1,2-Dichlorobenzene
 Concen: 46.788 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Tgt Ion	Resp	Lower	Upper
146	100		
111	41.1	20.1	60.3
148	64.7	32.0	96.0



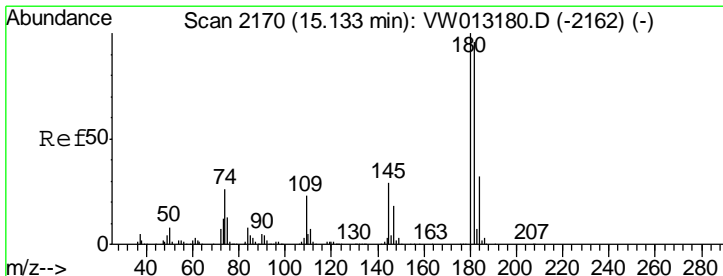
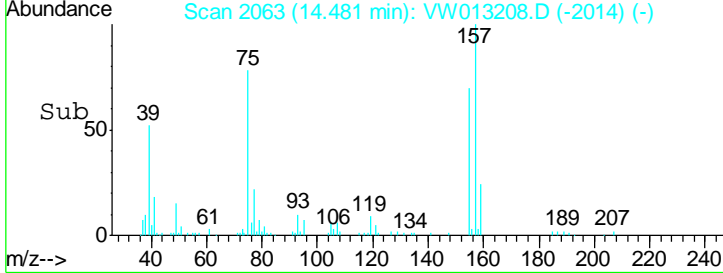
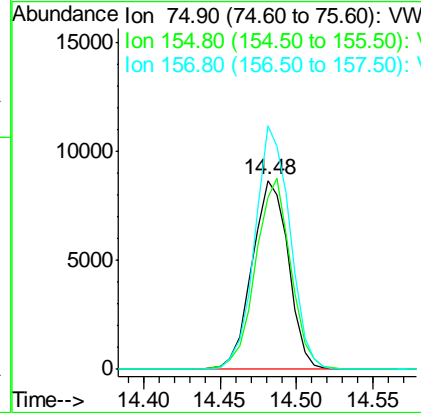
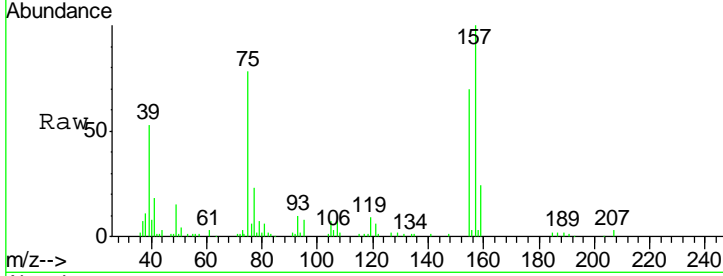


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 80.271 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MS

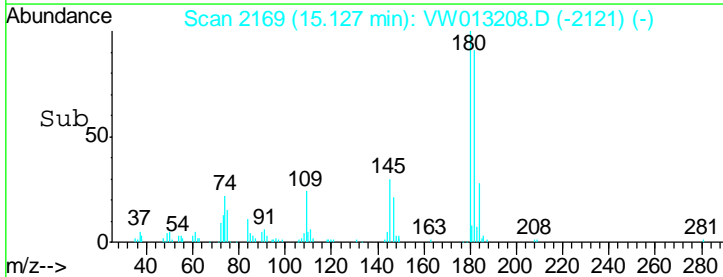
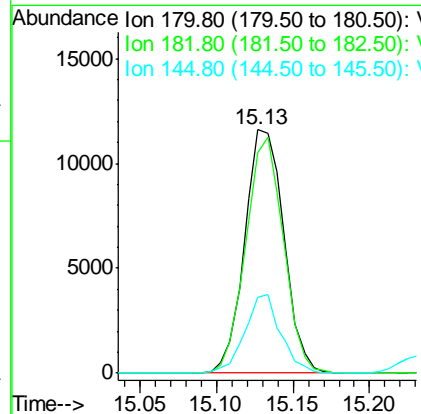
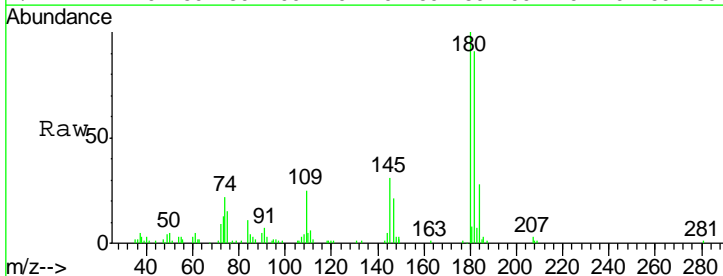
Tgt Ion	Resp	Lower	Upper
75	14369		
75	100		
155	97.3	46.1	138.3
157	124.2	60.4	181.2

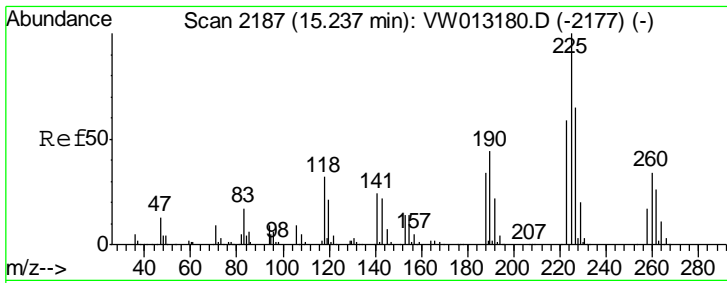
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#93
 1,2,4-Trichlorobenzene
 Concen: 10.448 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

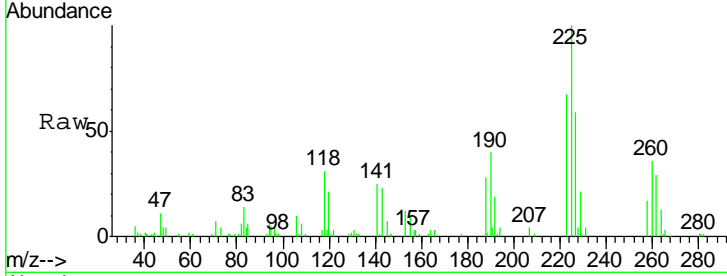
Tgt Ion	Resp	Lower	Upper
180	20672		
180	100		
182	93.2	47.3	142.0
145	29.3	14.2	42.8





#94
 Hexachlorobutadiene
 Concen: 14.203 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

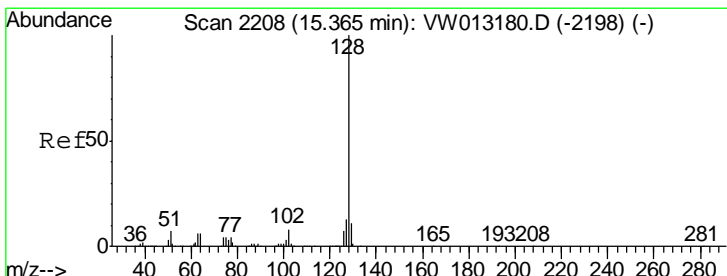
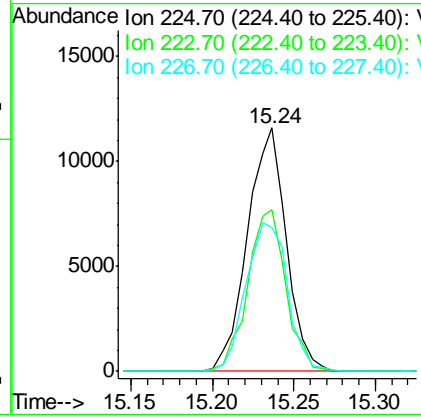
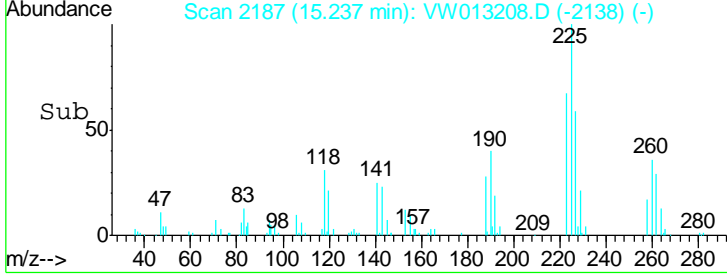
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MS



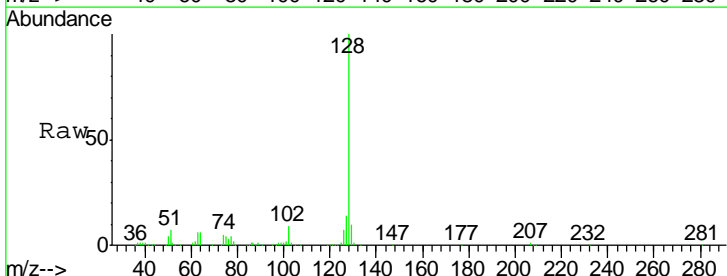
Tgt Ion: 225 Resp: 19225

Ion	Ratio	Lower	Upper
225	100		
223	65.2	30.6	91.8
227	65.4	31.9	95.9

Manual Integrations
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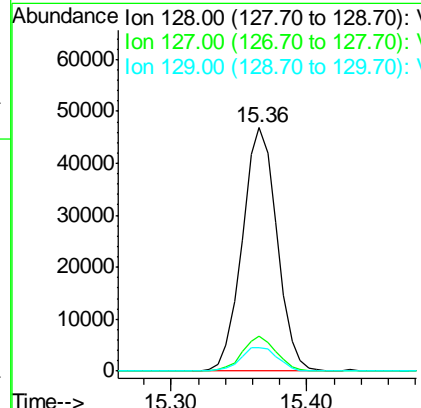
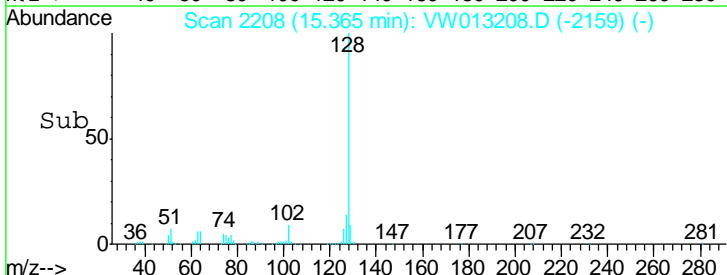


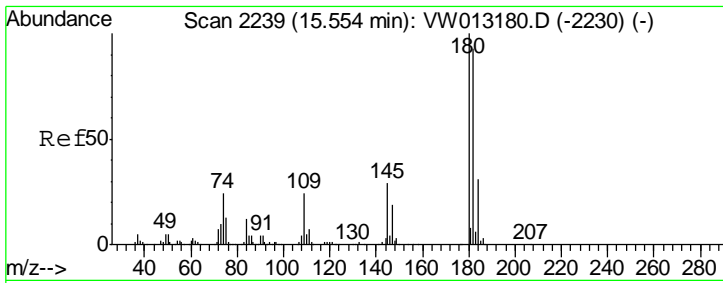
#95
 Naphthalene
 Concen: 25.808 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03



Tgt Ion: 128 Resp: 83511

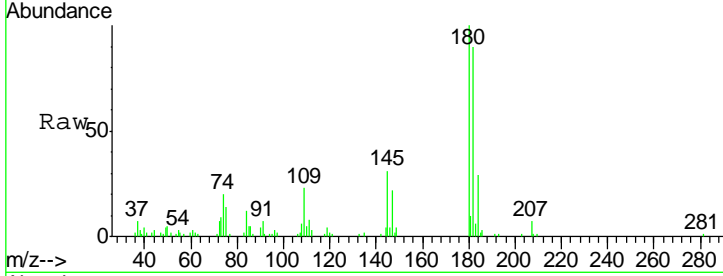
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	10.6	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 10.330 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013208.D
 Acq: 21 Sep 2019 03:03

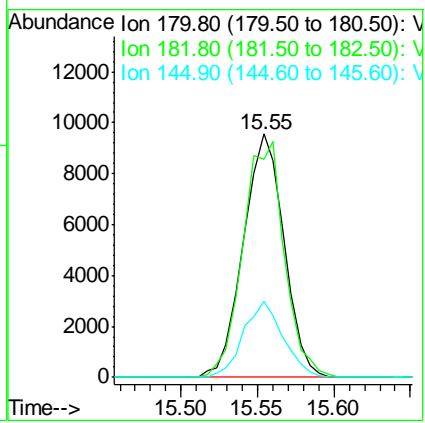
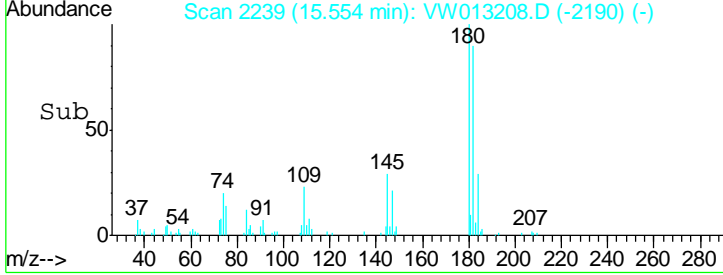
Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MS



Tot Ion: 180 Resp: 17659

Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.9	143.7
145	30.6	15.0	45.0

Manual Integrations
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 MMDadoda
 9/24/2019 5:29:04 AM





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)MSD	SDG No.:	K4939
Lab Sample ID:	K4939-03MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013209.D	1		09/21/19 03:29	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	27.3		0.78	4.30	ug/Kg
74-87-3	Chloromethane	30.4		1.50	4.30	ug/Kg
75-01-4	Vinyl Chloride	31.7		0.95	4.30	ug/Kg
74-83-9	Bromomethane	31.8		0.32	4.30	ug/Kg
75-00-3	Chloroethane	35.3		0.49	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	32.9		0.55	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	38.8		0.68	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	37.3		0.85	4.30	ug/Kg
67-64-1	Acetone	260		6.60	21.3	ug/Kg
75-15-0	Carbon Disulfide	23.7		0.91	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	54.3		1.20	4.30	ug/Kg
79-20-9	Methyl Acetate	91.4		2.40	4.30	ug/Kg
75-09-2	Methylene Chloride	48.7		4.40	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	37.2		1.10	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	47.2		0.78	4.30	ug/Kg
110-82-7	Cyclohexane	30.9		1.50	4.30	ug/Kg
78-93-3	2-Butanone	260		5.70	21.3	ug/Kg
56-23-5	Carbon Tetrachloride	34.5		0.70	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	46.9		0.84	4.30	ug/Kg
74-97-5	Bromochloromethane	55.9		1.00	4.30	ug/Kg
67-66-3	Chloroform	48.9		0.74	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	44.8		0.90	4.30	ug/Kg
108-87-2	Methylcyclohexane	24.7		1.00	4.30	ug/Kg
71-43-2	Benzene	36.5		0.72	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	39.4		1.00	4.30	ug/Kg
79-01-6	Trichloroethene	55.5		0.80	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	40.4		1.10	4.30	ug/Kg
75-27-4	Bromodichloromethane	42.1		0.85	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	230		4.80	21.3	ug/Kg
108-88-3	Toluene	35.6		0.83	4.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	35.6		0.86	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	35.8		0.91	4.30	ug/Kg



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/13/19
Project:	Andrew St. RI	Date Received:	09/17/19
Client Sample ID:	982-S-3-(19)MSD	SDG No.:	K4939
Lab Sample ID:	K4939-03MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.3
Sample Wt/Vol:	6.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW013209.D	1		09/21/19 03:29	VW092019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	42.8		1.20	4.30	ug/Kg
591-78-6	2-Hexanone	210		6.30	21.3	ug/Kg
124-48-1	Dibromochloromethane	42.1		1.10	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	38.1		1.10	4.30	ug/Kg
127-18-4	Tetrachloroethene	5800	E	0.59	4.30	ug/Kg
108-90-7	Chlorobenzene	37.4		0.67	4.30	ug/Kg
100-41-4	Ethyl Benzene	34.0		0.73	4.30	ug/Kg
179601-23-1	m/p-Xylenes	63.8		1.40	8.50	ug/Kg
95-47-6	o-Xylene	33.9		0.94	4.30	ug/Kg
100-42-5	Styrene	33.7		0.85	4.30	ug/Kg
75-25-2	Bromoform	44.8		2.80	4.30	ug/Kg
98-82-8	Isopropylbenzene	54.9		0.74	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	79.0		0.93	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	38.1		0.91	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	38.7		0.90	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	39.7		1.10	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	62.8		2.80	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	8.10		0.95	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	8.20		1.10	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.1	*	56 - 120	126%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		57 - 135	105%	SPK: 50
2037-26-5	Toluene-d8	48.4		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.1		33 - 141	70%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	261000	7.95			
540-36-3	1,4-Difluorobenzene	456000	8.84			
3114-55-4	Chlorobenzene-d5	350000	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	87500	13.55			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013209.D
 Acq On : 21 Sep 2019 03:29
 Operator : SY/VA
 Sample : K4939-03MSD
 Misc : 6.39G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 982-S-3-(19)MSD

Manual Integrations
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 9/24/2019 5:29:05 AM

Quant Time: Sep 21 06:21:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	261414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	87460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	134525	63.05	ug/l	0.00
Spiked Amount				50.000		
Recovery						126.10%
35) Dibromofluoromethane	7.88	113	131732	52.53	ug/l	0.00
Spiked Amount				50.000		
Recovery						105.06%
50) Toluene-d8	10.32	98	507881	48.39	ug/l	0.00
Spiked Amount				50.000		
Recovery						96.78%
62) 4-Bromofluorobenzene	12.62	95	126018	35.15	ug/l	0.00
Spiked Amount				50.000		
Recovery						70.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	48291	32.025	ug/l	87
3) Chloromethane	2.21	50	69110	35.653	ug/l	98
4) Vinyl Chloride	2.36	62	92818	37.142	ug/l	97
5) Bromomethane	2.77	94	59078	37.305	ug/l	95
6) Chloroethane	2.92	64	60999	41.411	ug/l	95
7) Trichlorofluoromethane	3.25	101	55553	38.552	ug/l	95
8) Diethyl Ether	3.68	74	68867	55.952	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106769	45.511	ug/l	99
10) Methyl Iodide	4.27	142	147191	40.467	ug/l	99
11) Tert butyl alcohol	5.19	59	53962	355.622	ug/l	100
12) 1,1-Dichloroethene	4.04	96	106169	43.702	ug/l	95
14) Allyl chloride	4.67	41	148496	38.407	ug/l	98
15) Acrylonitrile	5.37	53	164964	310.520	ug/l	99
16) Acetone	4.13	43	144593	300.526	ug/l	97
17) Carbon Disulfide	4.38	76	194661	27.723	ug/l	98
18) Methyl Acetate	4.67	43	144874	107.119	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	236729	63.581	ug/l	99
20) Methylene Chloride	4.91	84	139516	57.112	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	114357	43.553	ug/l	98
22) Diisopropyl ether	6.31	45	440056	59.854	ug/l	95
23) Vinyl Acetate	6.25	43	151860	34.817	ug/l	100
24) 1,1-Dichloroethane	6.21	63	245557	55.349	ug/l	99
25) 2-Butanone	7.17	43	216824	300.202	ug/l	95
26) 2,2-Dichloropropane	7.16	77	100721	37.083	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	152279	54.955	ug/l	97
28) Bromochloromethane	7.51	49	111484	65.473	ug/l	99
29) Tetrahydrofuran	7.52	42	141030	318.397	ug/l	99
30) Chloroform	7.67	83	248852	57.292	ug/l	96
31) Cyclohexane	7.95	56	167722	36.267	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	184756	52.519	ug/l	99
36) 1,1-Dichloropropene	8.08	75	159887	36.203	ug/l	99
37) Ethyl Acetate	7.25	43	84266	44.894	ug/l	100
38) Carbon Tetrachloride	8.07	117	160204	40.466	ug/l	95
39) Methylcyclohexane	9.33	83	164499	28.984	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013209.D
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 Misc : 6.39G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 982-S-3-(19)MSD

Manual Integrations
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Quant Time: Sep 21 06:21:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	527172	42.795	ug/l	100
41) Methacrylonitrile	7.48	41	59376	53.003	ug/l	99
42) 1,2-Dichloroethane	8.40	62	152996	46.201	ug/l	98
43) Isopropyl Acetate	8.42	43	170378	47.361	ug/l	98
44) Trichloroethene	9.09	130	224891	65.068	ug/l	98
45) 1,2-Dichloropropane	9.37	63	142319	47.321	ug/l	99
46) Dibromomethane	9.46	93	67491	46.223	ug/l	98
47) Bromodichloromethane	9.64	83	183173	49.301	ug/l	99
48) Methyl methacrylate	9.43	41	96352	56.960	ug/l	96
49) 1,4-Dioxane	9.46	88	27448	1252.328	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	486060	269.517	ug/l	99
52) Toluene	10.38	92	328952	41.666	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	159449	41.772	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	194811	41.974	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	109366	50.112	ug/l	98
56) Ethyl methacrylate	10.65	69	126943	44.445	ug/l	98
57) 1,3-Dichloropropane	10.93	76	171375	44.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	374755	283.418	ug/l	100
59) 2-Hexanone	10.96	43	302264	243.610	ug/l	99
60) Dibromochloromethane	11.13	129	122294m	49.350	ug/l	
61) 1,2-Dibromoethane	11.23	107	92685	44.667	ug/l	99
64) Tetrachloroethene	10.87	164	18070772	6797.178	ug/l #	80
65) Chlorobenzene	11.66	112	320857	43.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	130714	52.292	ug/l	99
67) Ethyl Benzene	11.73	91	527887	39.818	ug/l	98
68) m/p-Xylenes	11.84	106	377600	74.744	ug/l	99
69) o-Xylene	12.16	106	186513	39.710	ug/l	98
70) Styrene	12.18	104	318193	39.460	ug/l	99
71) Bromoform	12.35	173	69270	52.453	ug/l #	100
73) Isopropylbenzene	12.46	105	415796	64.357	ug/l	100
74) N-amyl acetate	12.27	43	79035	55.129	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	100070	92.614	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	68767m	89.032	ug/l	
77) Bromobenzene	12.74	156	119832	78.270	ug/l	98
78) n-propylbenzene	12.80	91	378258	50.017	ug/l	99
79) 2-Chlorotoluene	12.89	91	270829	63.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	255103	46.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24120	70.073	ug/l	97
82) 4-Chlorotoluene	12.99	91	253245	56.682	ug/l	99
83) tert-Butylbenzene	13.21	119	227656	47.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	239749	44.363	ug/l	98
85) sec-Butylbenzene	13.38	105	229468	34.917	ug/l	100
86) p-Isopropyltoluene	13.49	119	184034	30.192	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	131473	44.619	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	131011	45.335	ug/l	99
89) n-Butylbenzene	13.82	91	106215	19.083	ug/l	99
90) Hexachloroethane	14.09	117	49985	48.814	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	118473	46.476	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	12162	73.589	ug/l	94
93) 1,2,4-Trichlorobenzene	15.13	180	17350	9.498	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
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 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MSD

Manual Integrations
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Quant Time: Sep 21 06:21:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	11473	9.181	ug/l	94
95) Naphthalene	15.36	128	69923	23.405	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	15210	9.637	ug/l	99

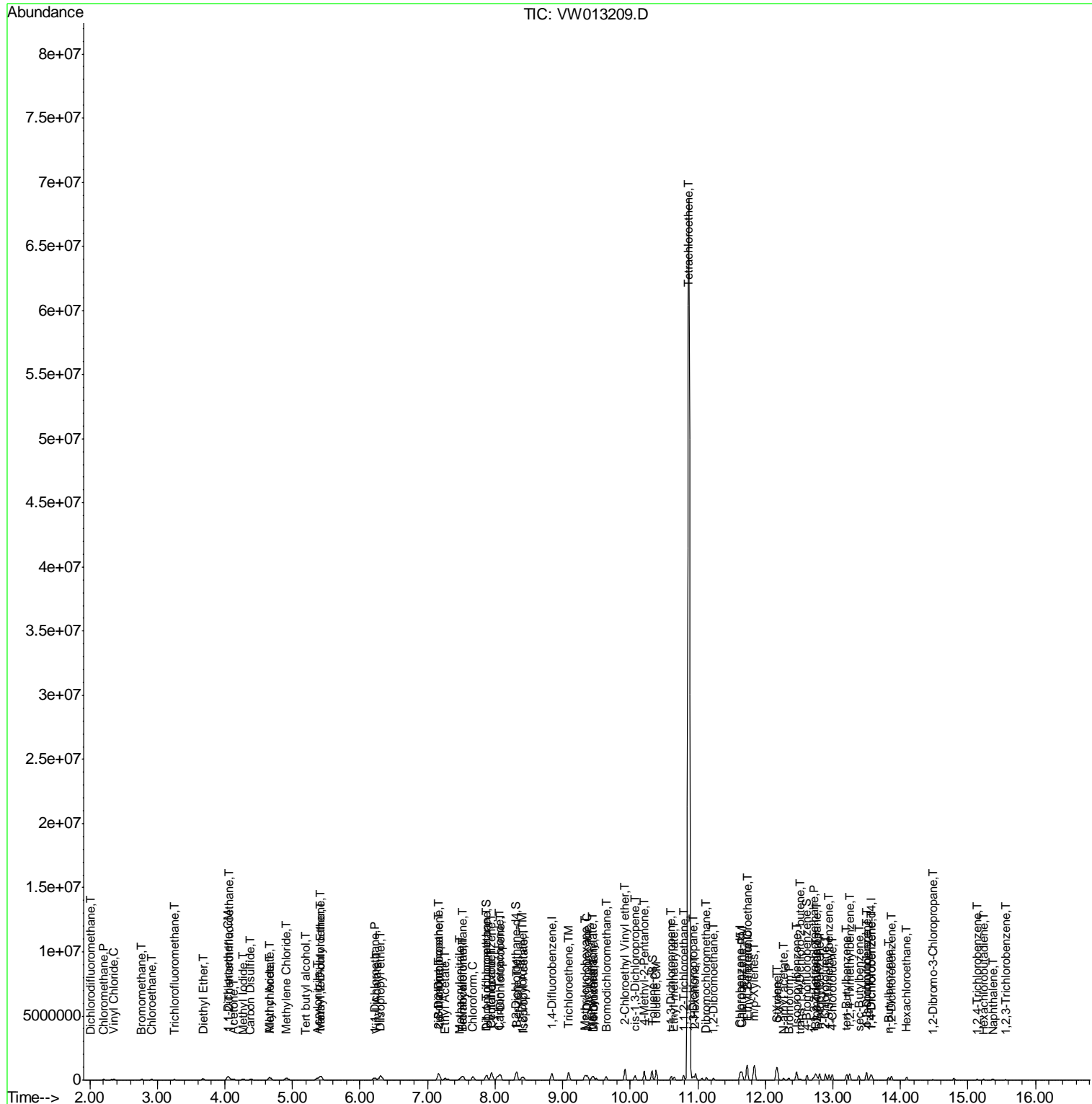
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013209.D
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 Misc : 6.39G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

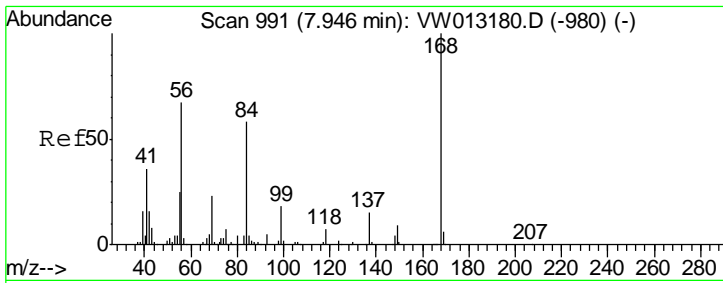
Instrument :
 MSVOA_W
 Client Sampled :
 982-S-3-(19)MSD

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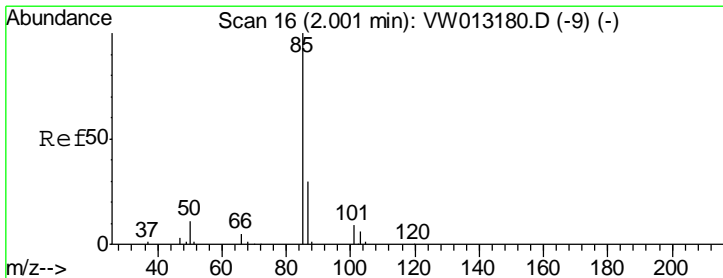
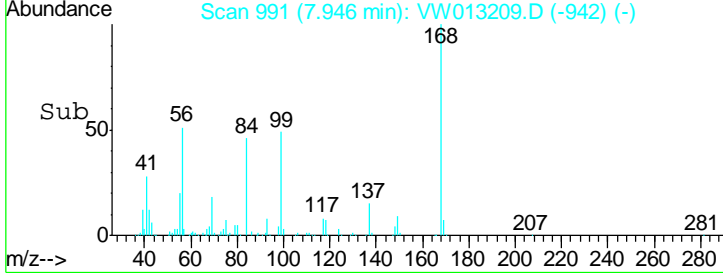
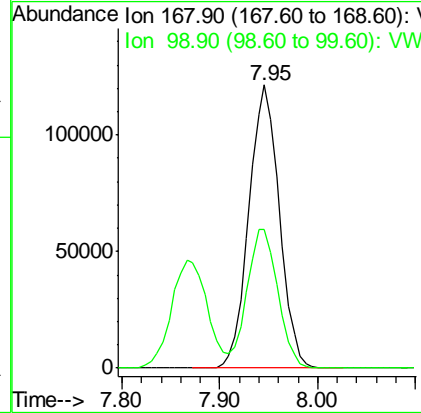
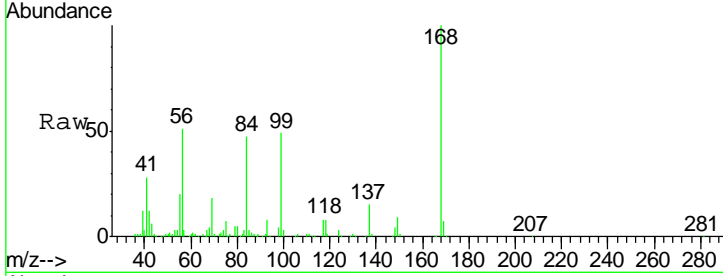


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.1	40.2	60.4

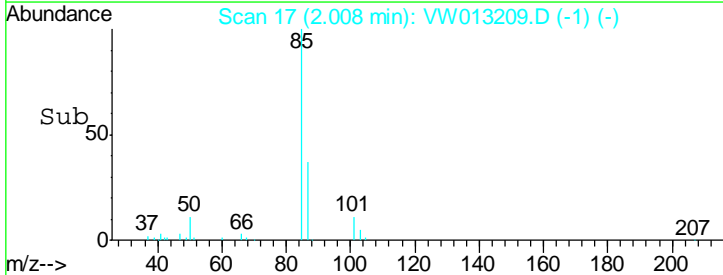
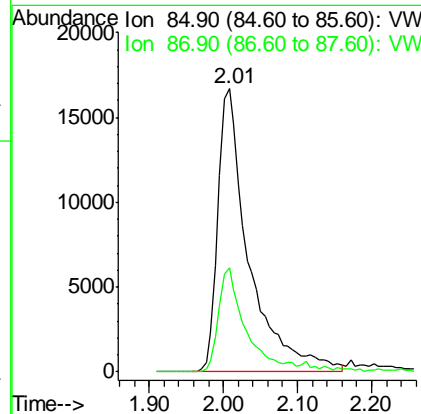
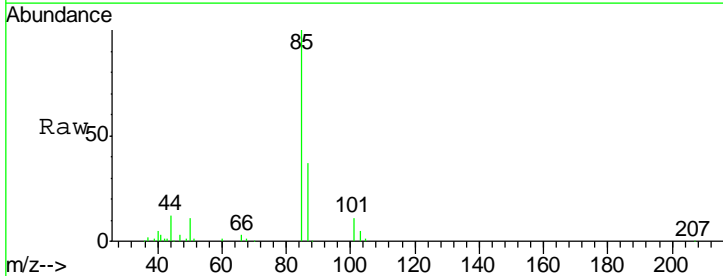
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

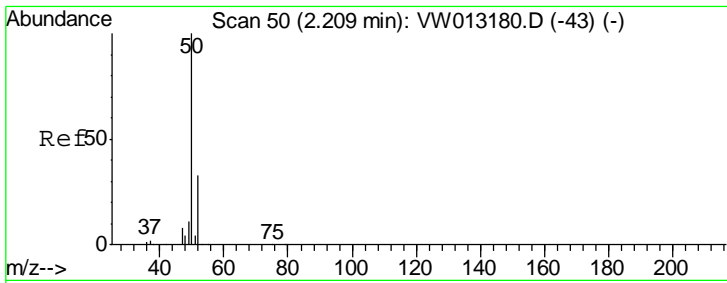
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#2
 Dichlorodifluoromethane
 Concen: 32.025 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
85	100		
87	37.0	15.1	45.3



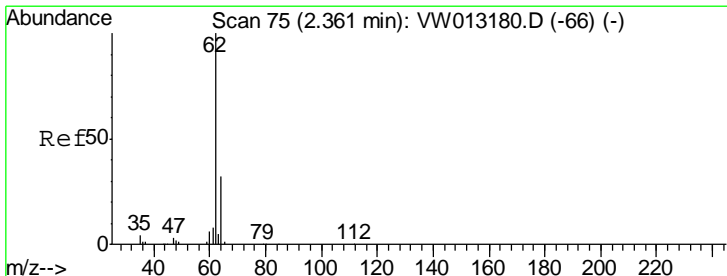
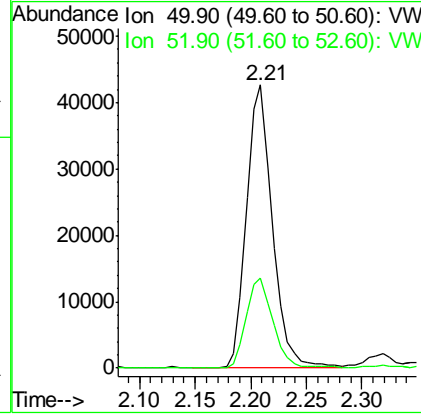
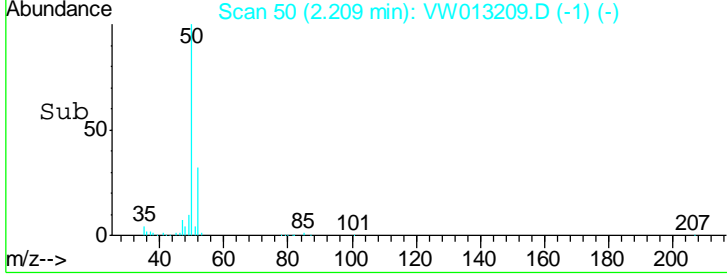
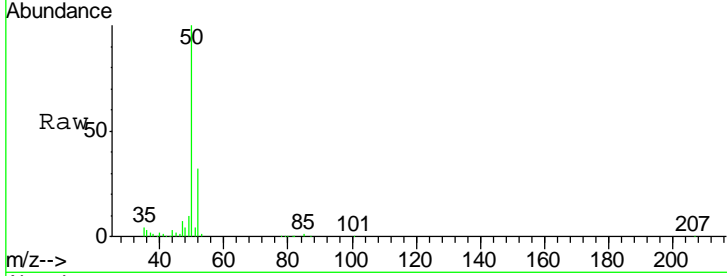


#3
 Chloromethane
 Concen: 35.653 ug/l
 RT: 2.21 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
50	69110		
52	31.6	26.1	39.1

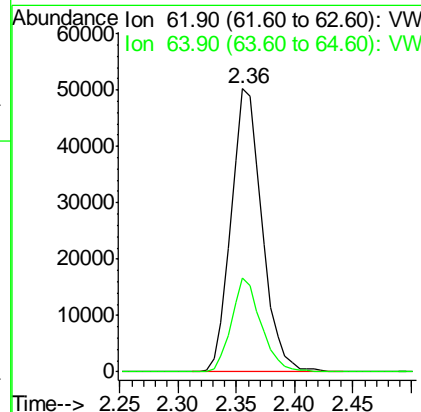
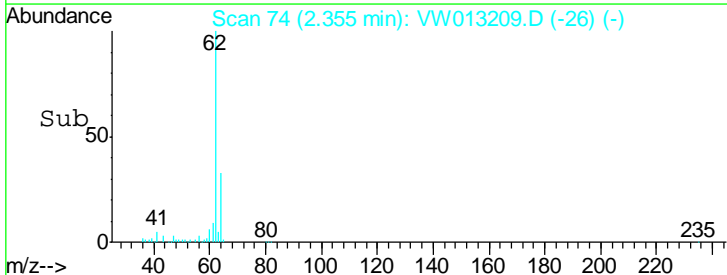
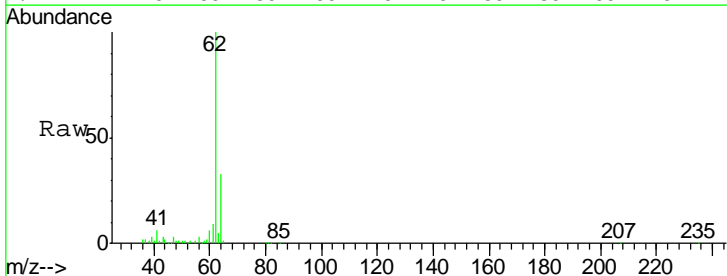
Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

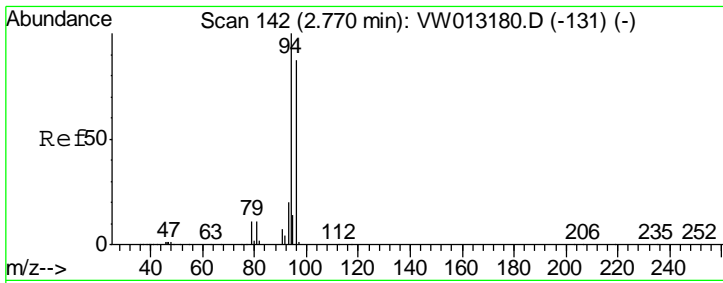
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#4
 Vinyl Chloride
 Concen: 37.142 ug/l
 RT: 2.36 min Scan# 74
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
62	92818		
64	33.2	25.3	37.9



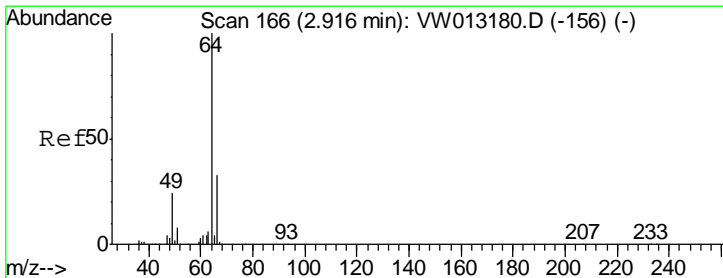
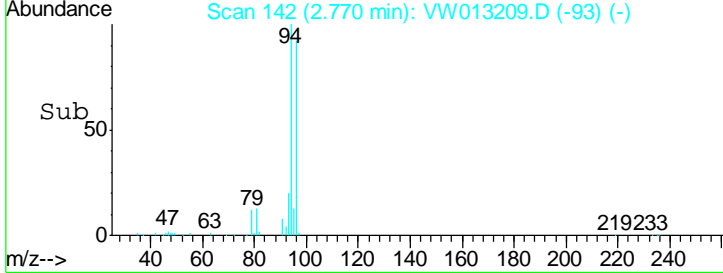
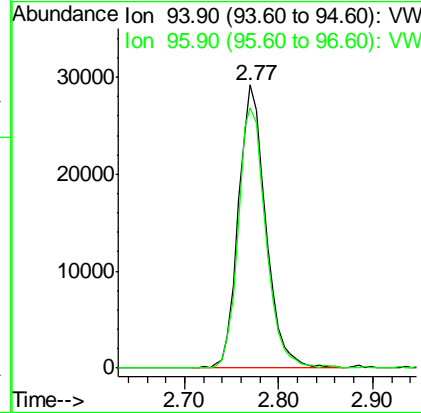
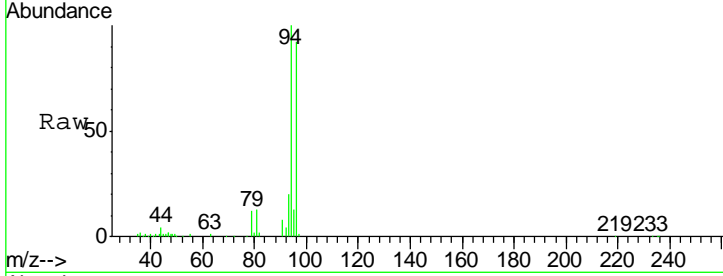


#5
 Bromomethane
 Concen: 37.305 ug/l
 RT: 2.77 min Scan# 142
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
94	100		
96	92.0	69.7	104.5

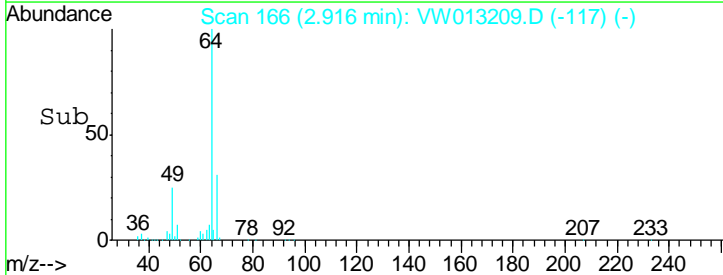
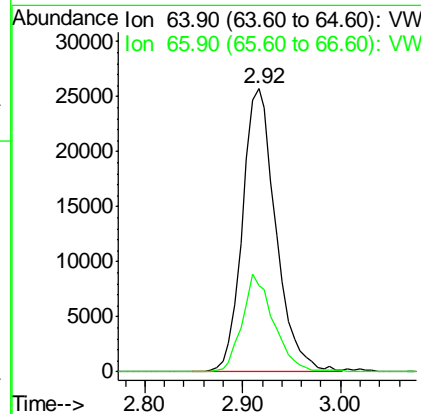
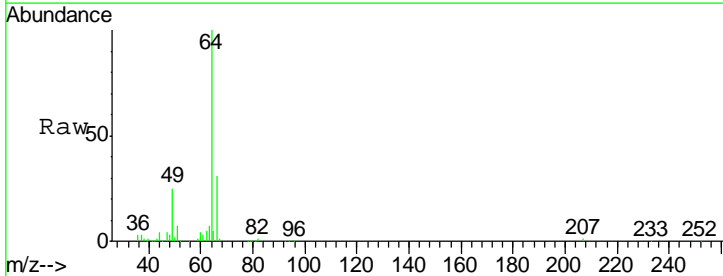
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

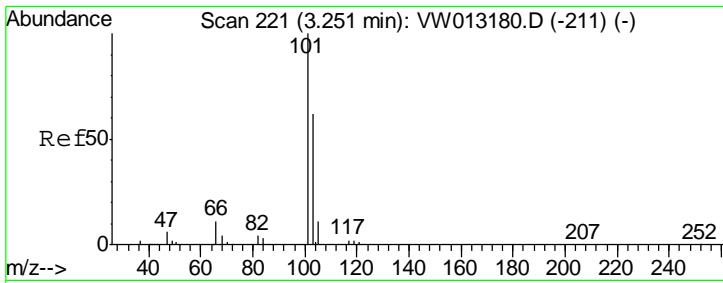
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#6
 Chloroethane
 Concen: 41.411 ug/l
 RT: 2.92 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
64	100		
66	30.6	26.6	39.8





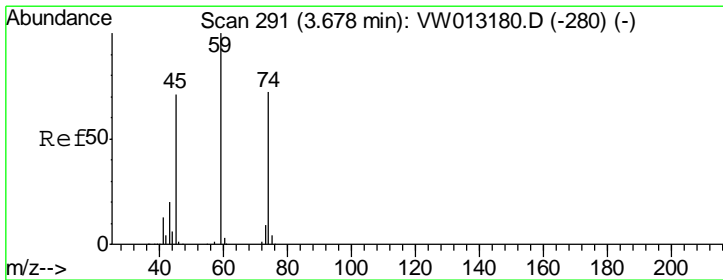
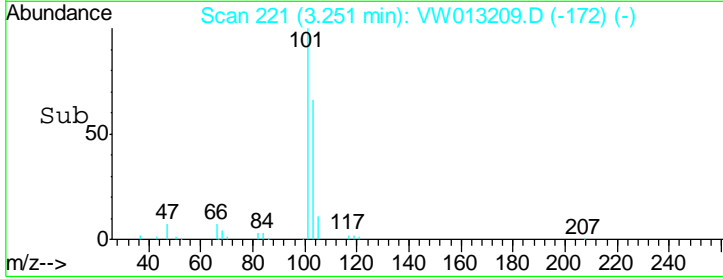
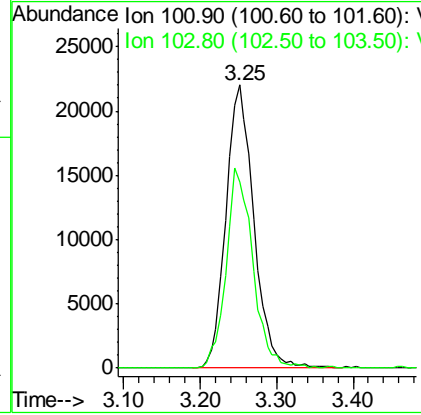
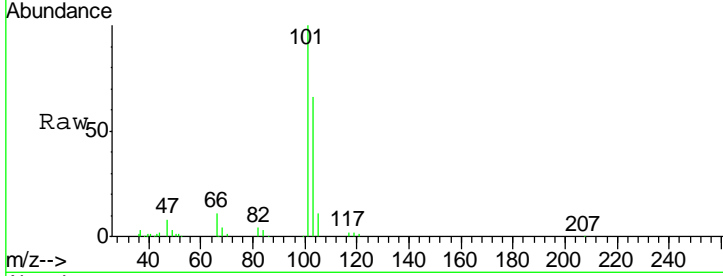
#7
 Trichlorofluoromethane
 Concen: 38.552 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

Tgt Ion	Resp	Lower	Upper
101	55553		
103	65.7	49.7	74.5

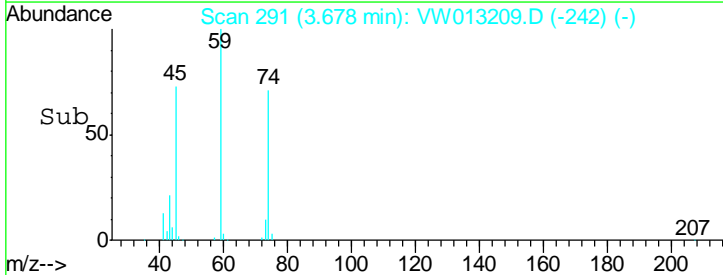
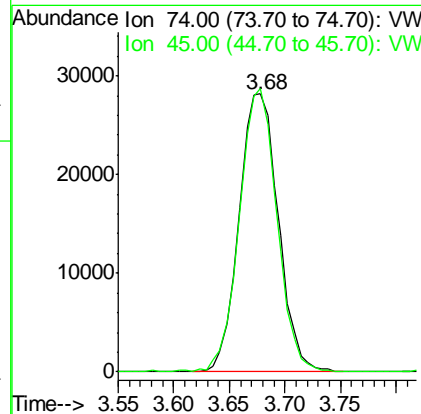
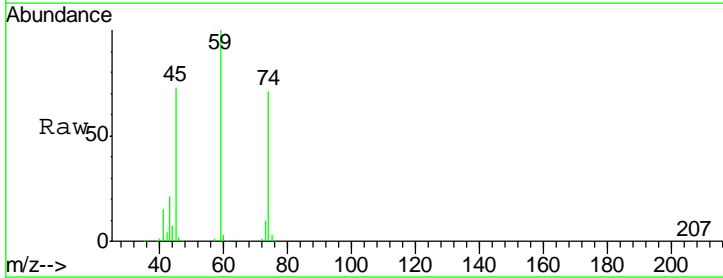
Manual Integrations
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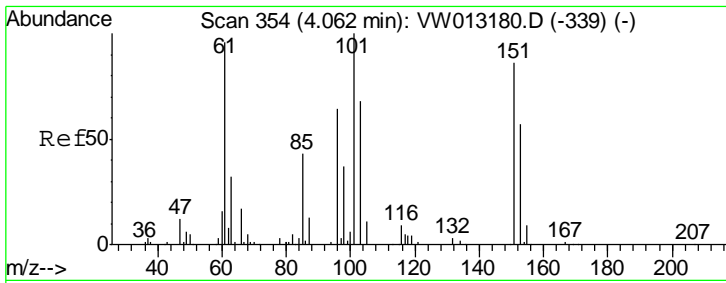
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#8
 Diethyl Ether
 Concen: 55.952 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

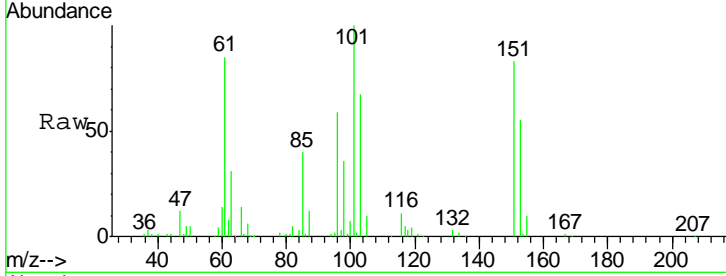
Tgt Ion	Resp	Lower	Upper
74	68867		
45	97.8	49.5	148.7





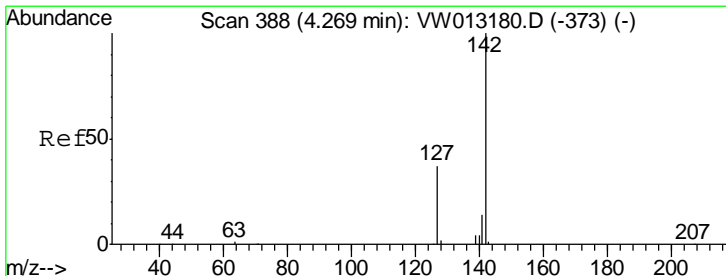
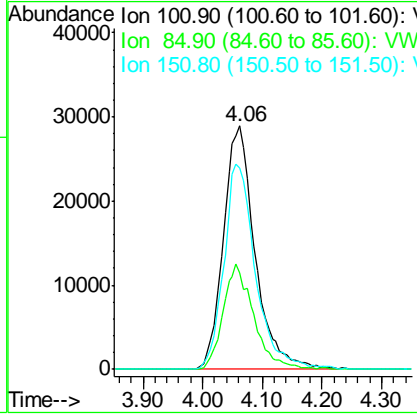
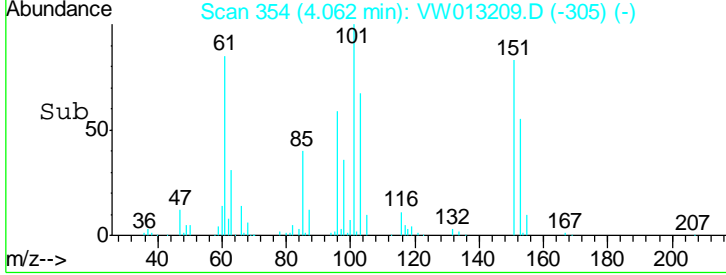
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.511 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
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ClientSampled :
 982-S-3-(19)MSD

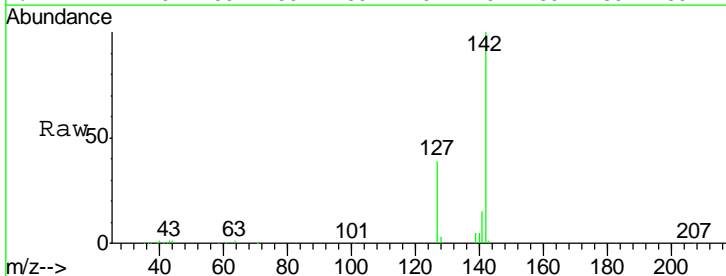


Tgt Ion	Resp	Lower	Upper
101	106769		
101	100		
85	41.7	33.4	50.0
151	84.5	66.9	100.3

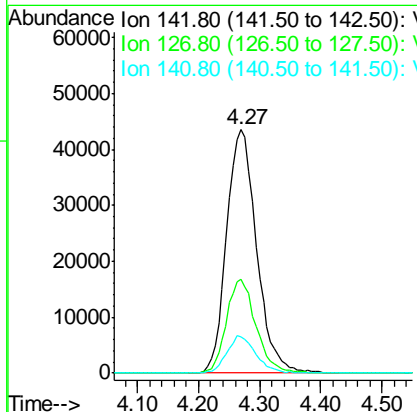
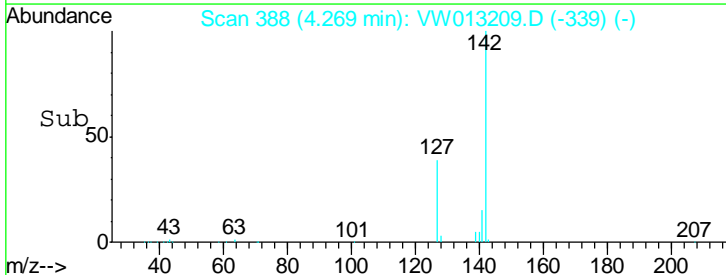
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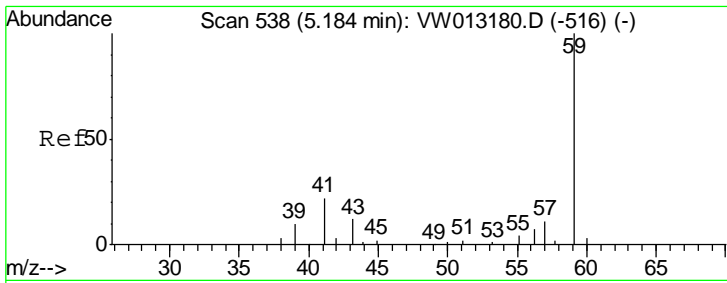


#10
 Methyl Iodide
 Concen: 40.467 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29



Tgt Ion	Resp	Lower	Upper
142	147191		
142	100		
127	37.8	30.9	46.3
141	14.8	11.7	17.5



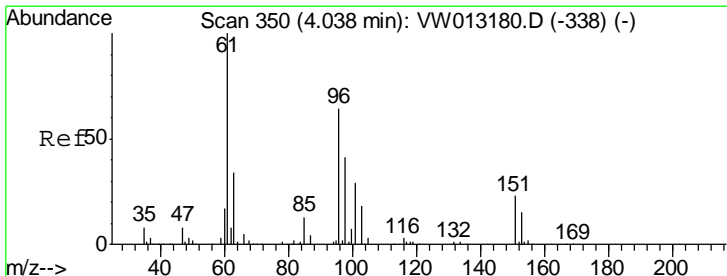
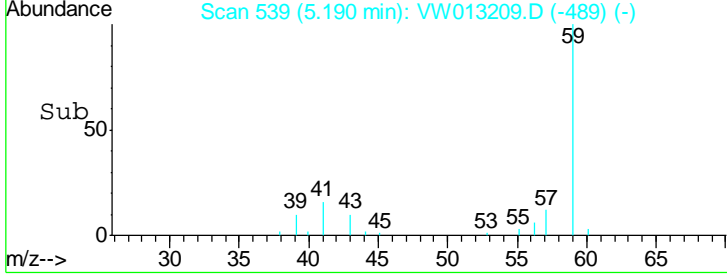
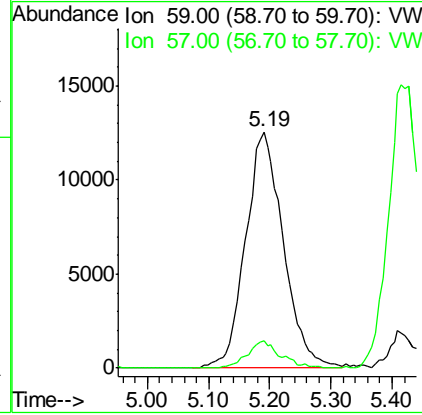
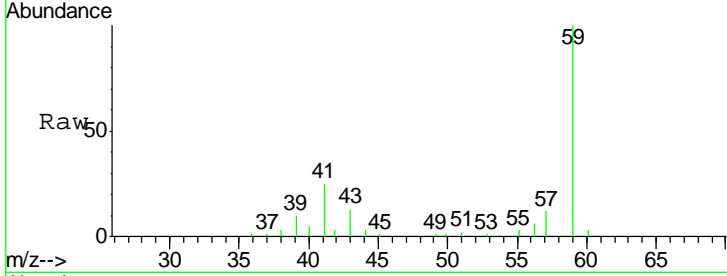


#11
 Tert butyl alcohol
 Concen: 355.622 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.2	8.2	12.2

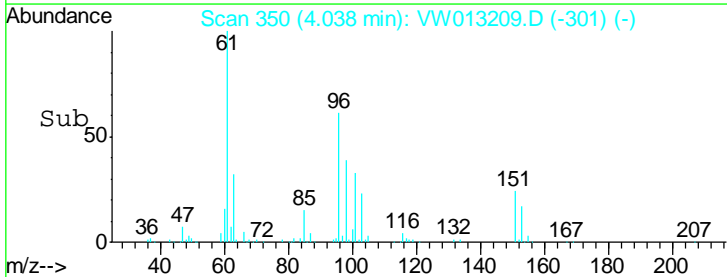
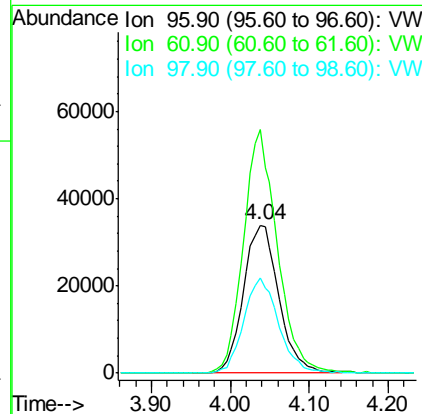
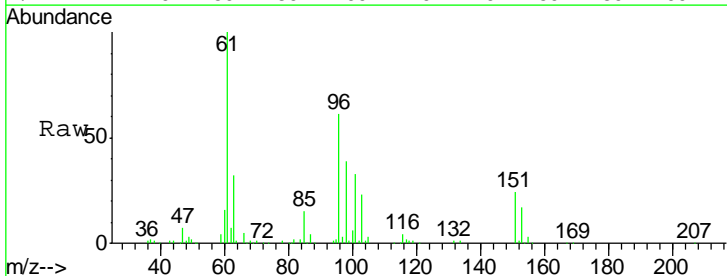
Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

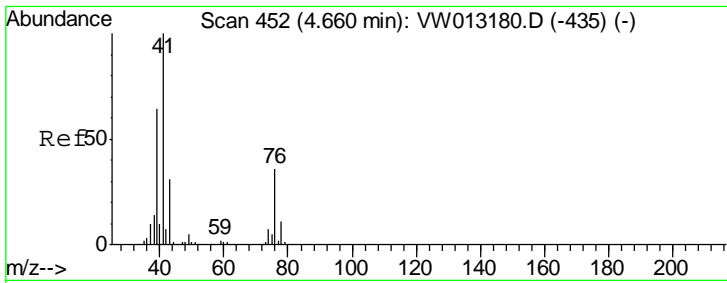
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#12
 1,1-Dichloroethene
 Concen: 43.702 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
96	100		
61	164.4	125.1	187.7
98	64.5	50.8	76.2



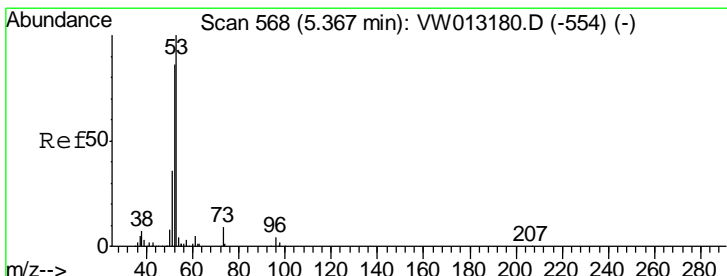
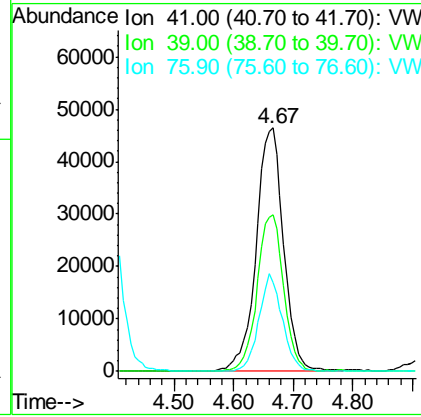
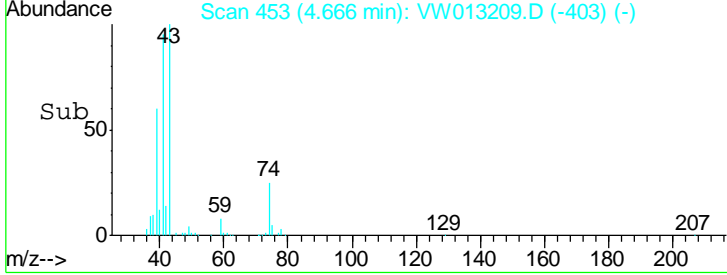
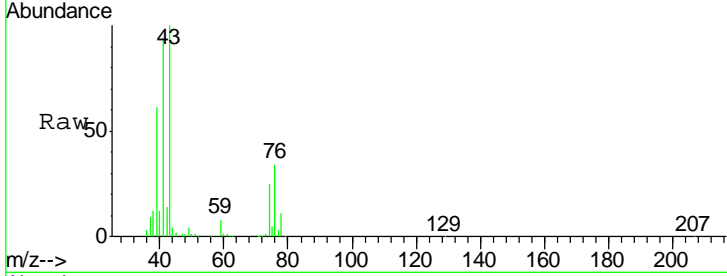


#14
 Allyl chloride
 Concen: 38.407 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
41	100		
39	61.9	51.0	76.4
76	33.9	28.4	42.6

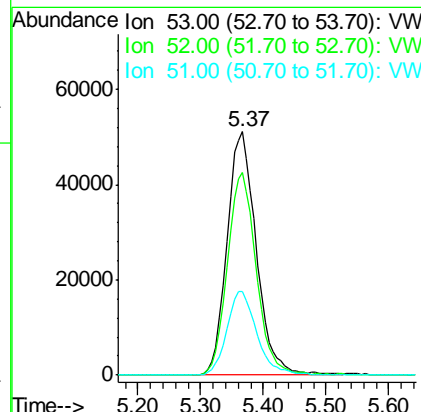
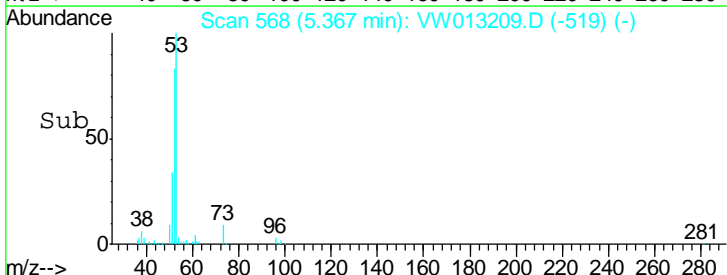
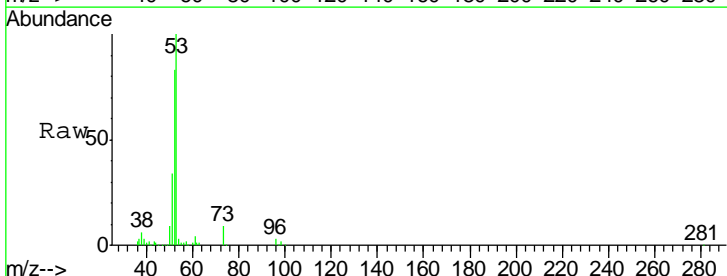
Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MSD

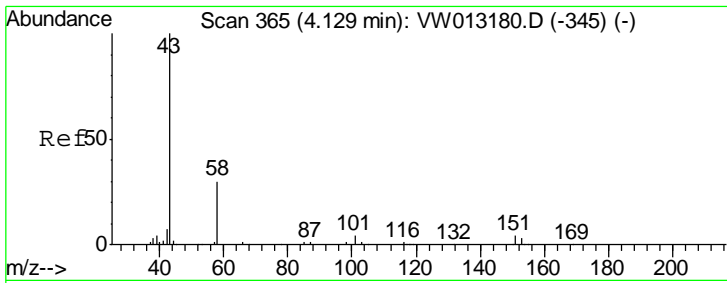
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#15
 Acrylonitrile
 Concen: 310.520 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.0	65.3	97.9
51	35.3	29.0	43.4



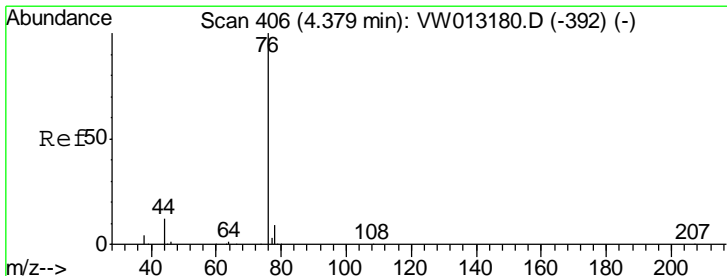
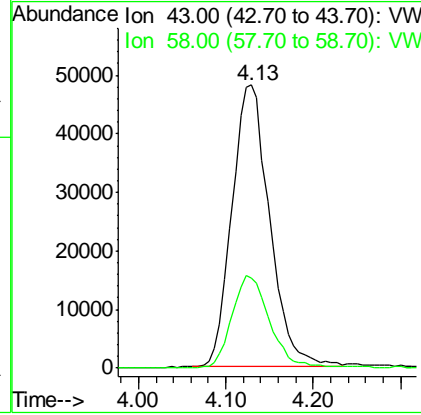
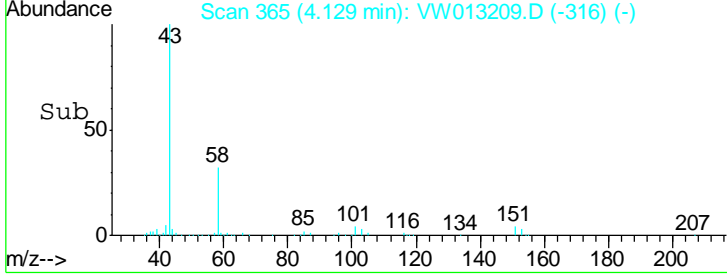
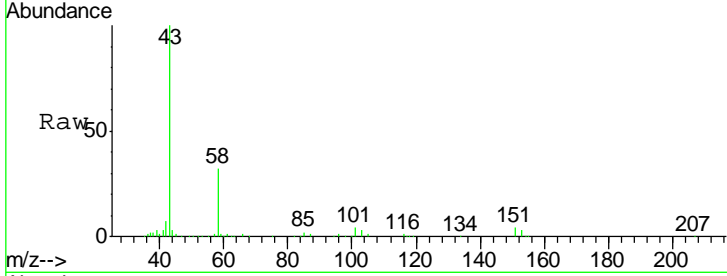


#16
 Acetone
 Concen: 300.526 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.8	24.1	36.1

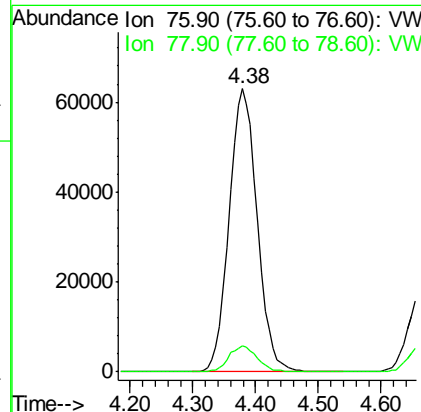
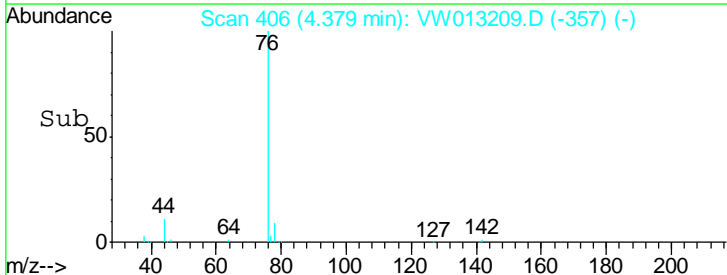
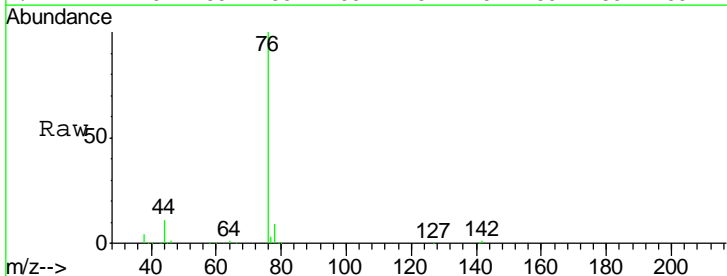
Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MSD

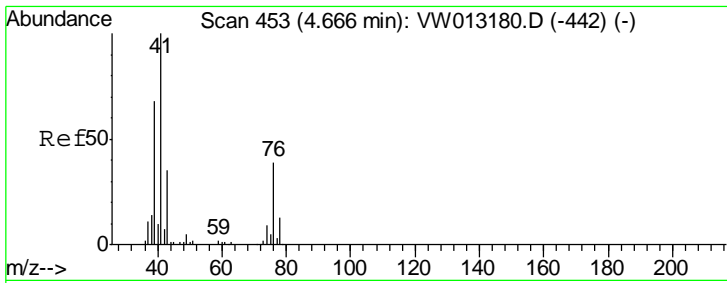
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#17
 Carbon Disulfide
 Concen: 27.723 ug/l
 RT: 4.38 min Scan# 406
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

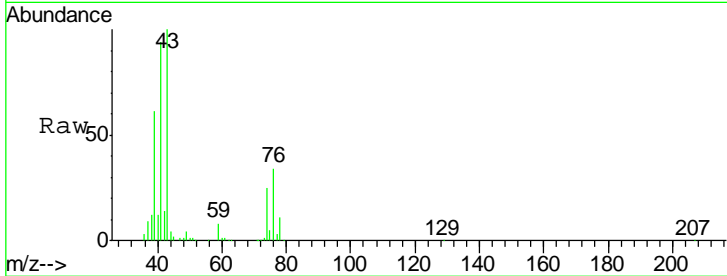
Tgt Ion	Resp	Lower	Upper
76	100		
78	9.4	7.0	10.4





#18
 Methyl Acetate
 Concen: 107.119 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

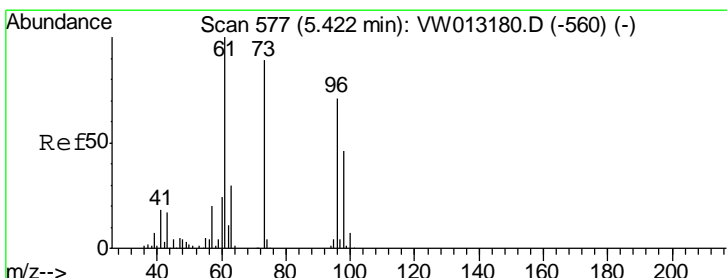
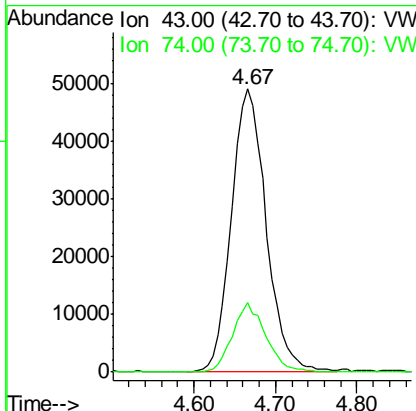
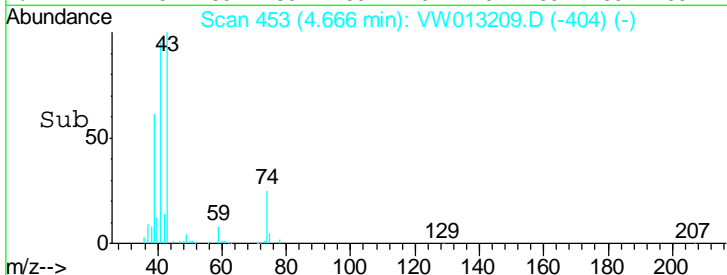
Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MSD



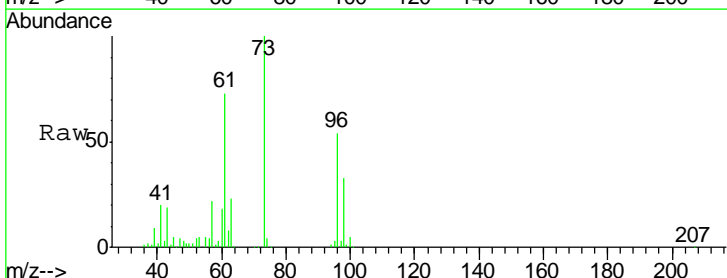
Tgt Ion: 43 Resp: 144874
 Ion Ratio Lower Upper
 43 100
 74 23.3 19.3 28.9

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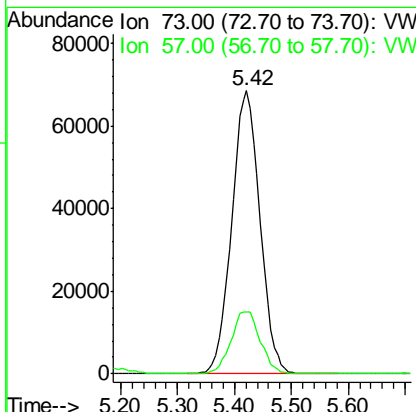
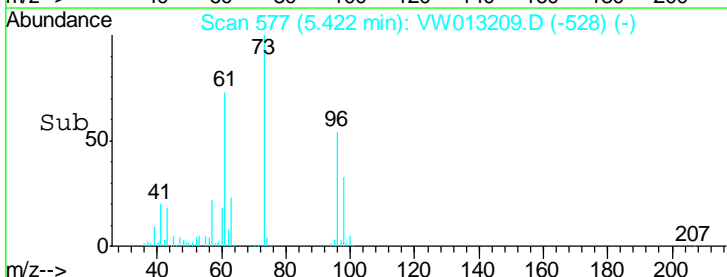
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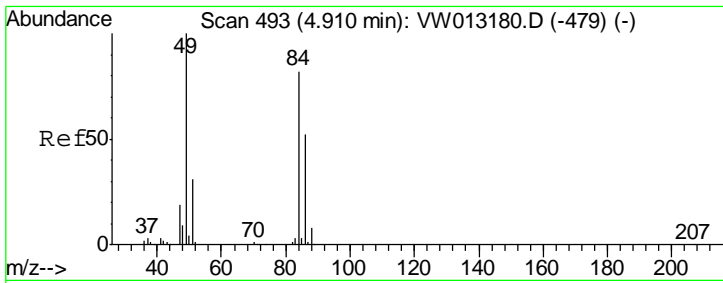


#19
 Methyl tert-butyl Ether
 Concen: 63.581 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29



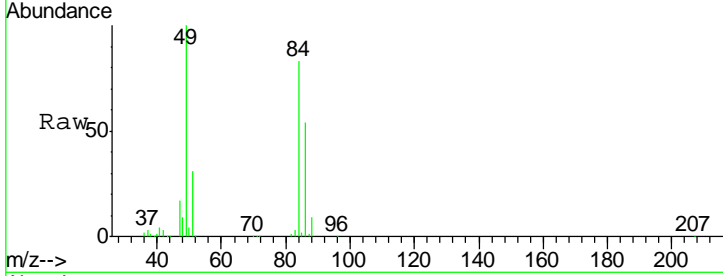
Tgt Ion: 73 Resp: 236729
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.6 26.4





#20
 Methylene Chloride
 Concen: 57.112 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

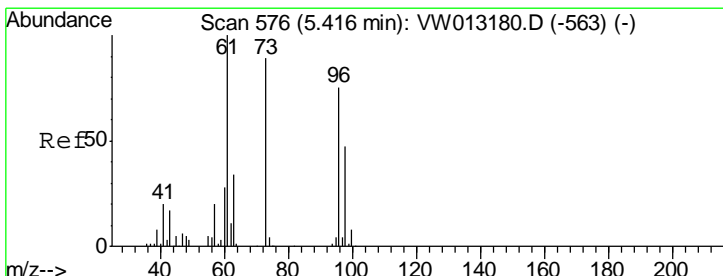
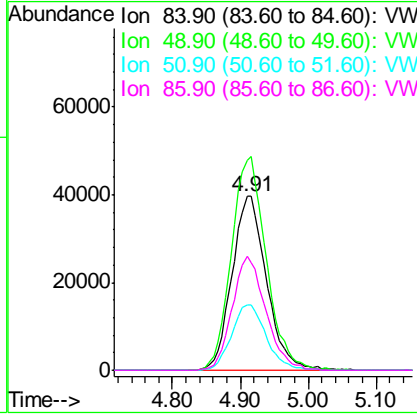
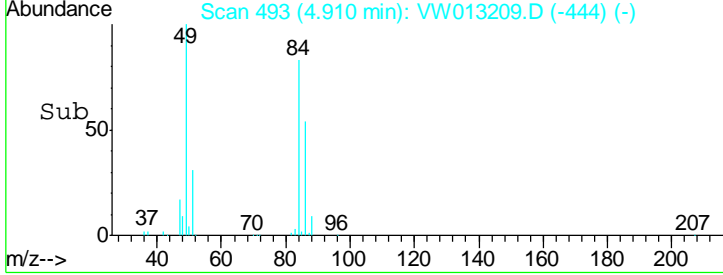
Instrument :
 MSVOA_W
 ClientSampled :
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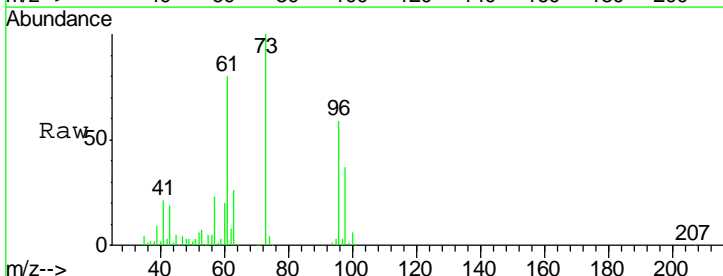
Tgt Ion: 84 Resp: 139516

Ion	Ratio	Lower	Upper
84	100		
49	121.2	97.6	146.4
51	37.5	30.2	45.2
86	65.5	50.6	76.0

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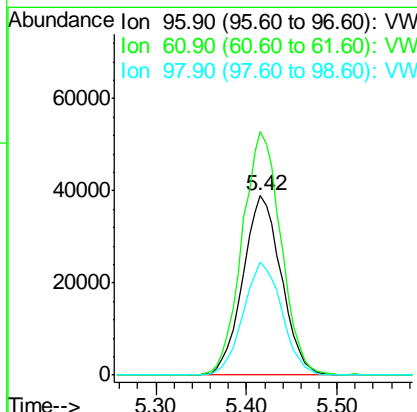
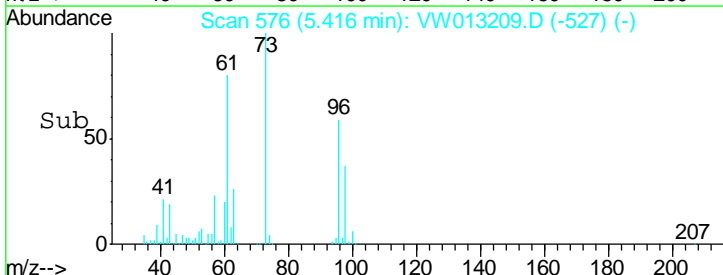


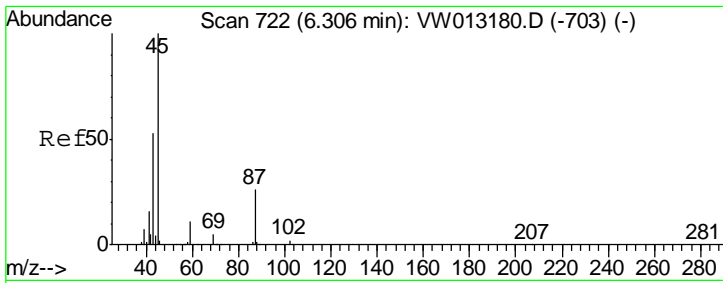
#21
 trans-1,2-Dichloroethene
 Concen: 43.553 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29



Tgt Ion: 96 Resp: 114357

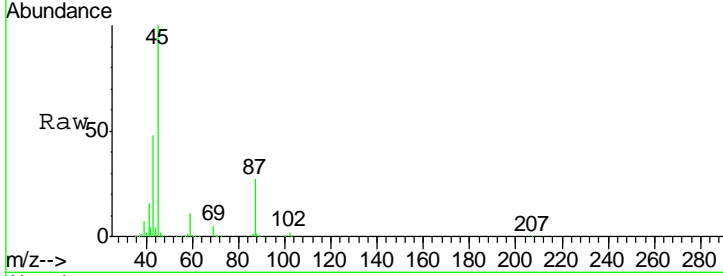
Ion	Ratio	Lower	Upper
96	100		
61	135.9	106.6	159.8
98	63.0	49.8	74.8





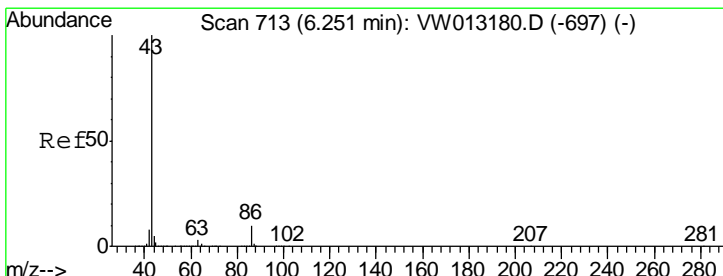
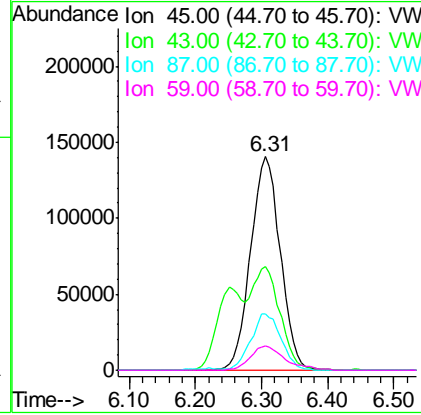
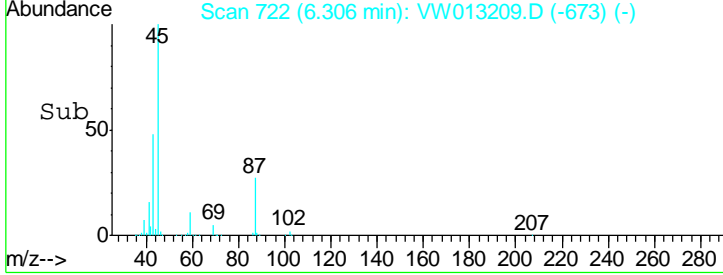
#22
 Diisopropyl ether
 Concen: 59.854 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MSD



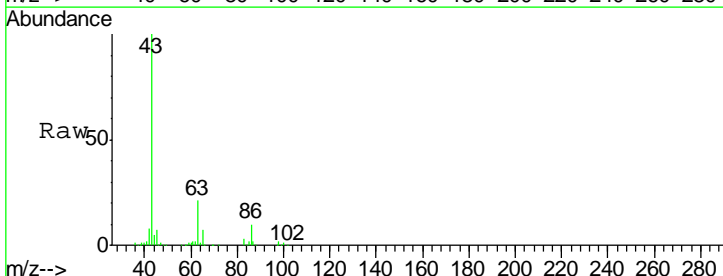
Tgt Ion	Resp	Lower	Upper
45	100		
43	48.2	42.4	63.6
87	26.6	20.4	30.6
59	11.3	8.8	13.2

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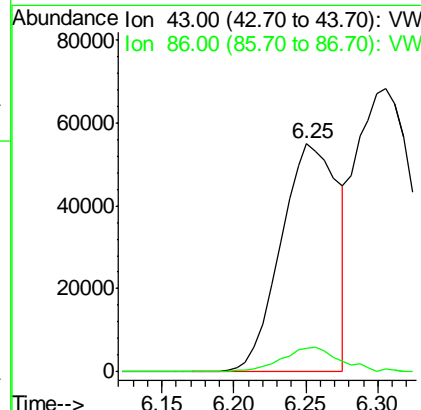
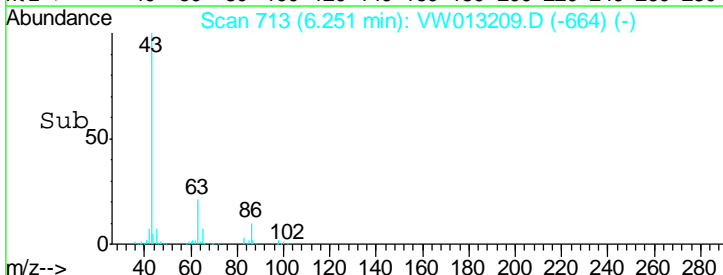


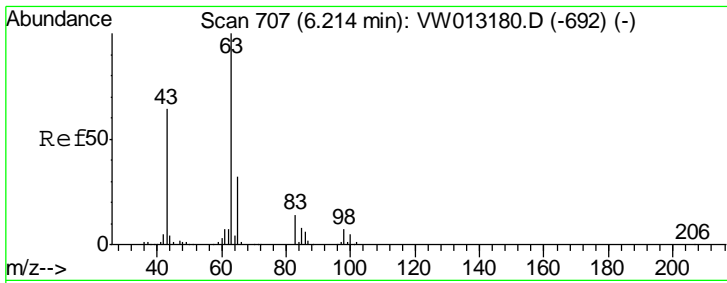
#23
 Vinyl Acetate
 Concen: 34.817 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MSD



Tgt Ion	Resp	Lower	Upper
43	100		
86	10.3	8.3	12.5



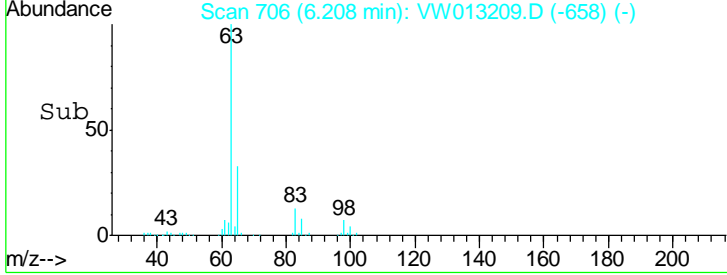
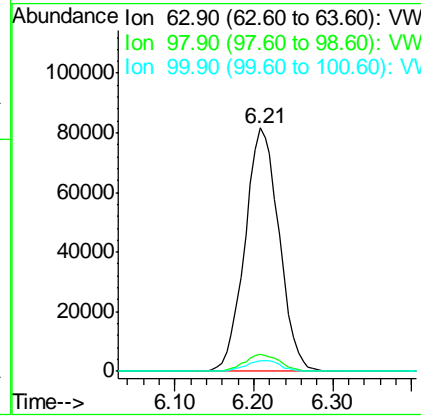
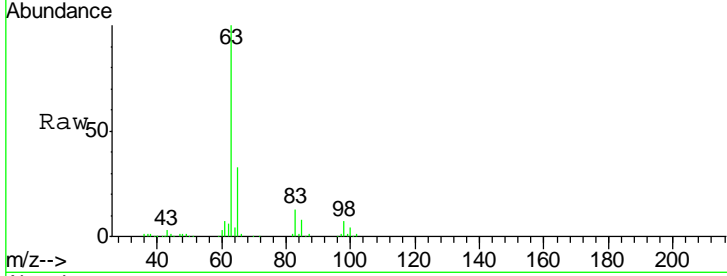


#24
 1,1-Dichloroethane
 Concen: 55.349 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.3	2.4	7.1

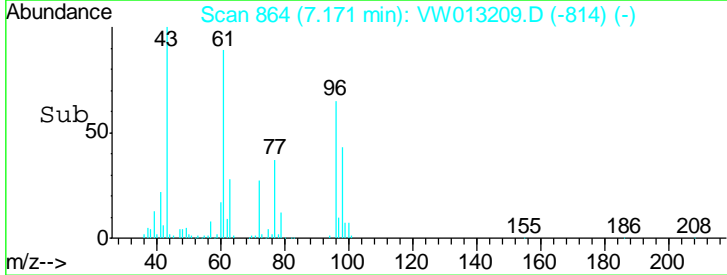
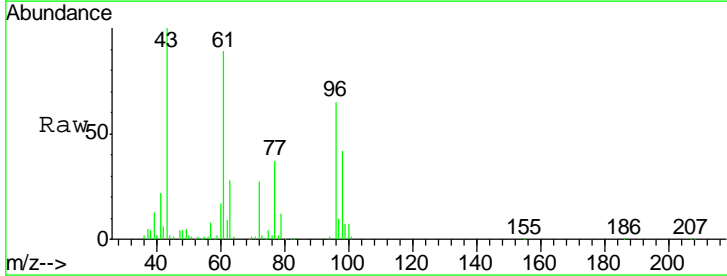
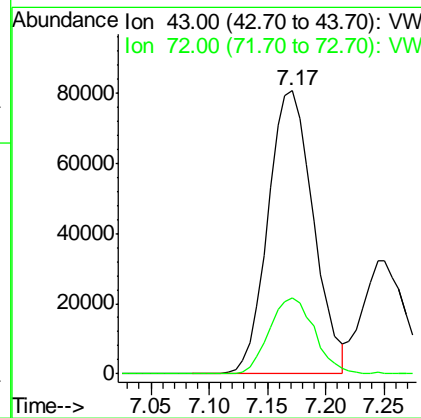
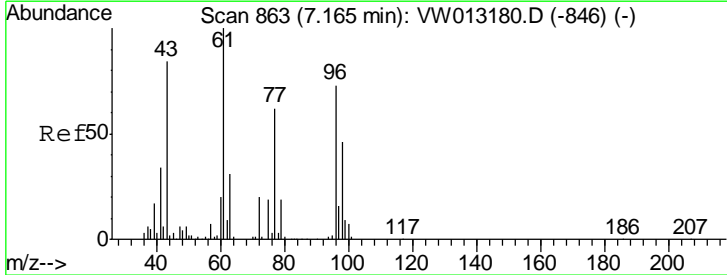
Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

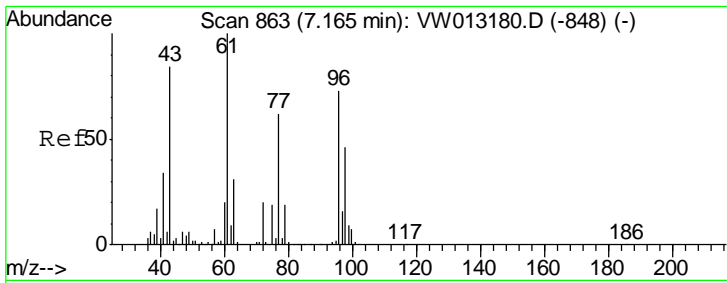
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#25
 2-Butanone
 Concen: 300.202 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.6	19.4	29.0





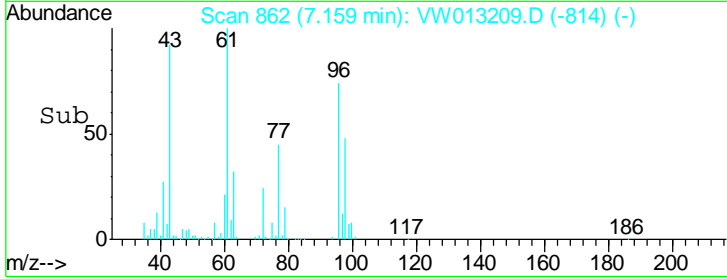
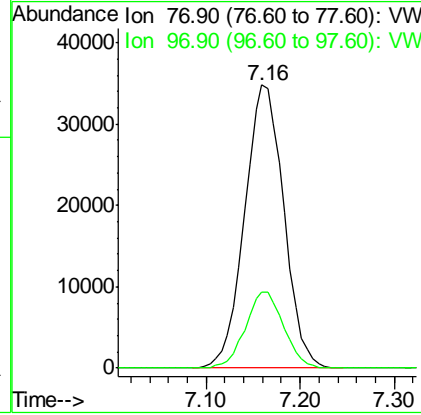
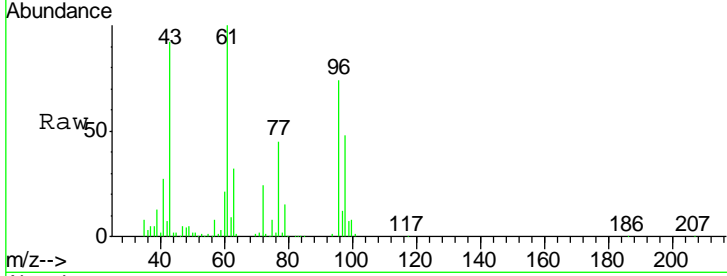
#26
 2,2-Dichloropropane
 Concen: 37.083 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
ClientSampled :
 982-S-3-(19)MSD

Tgt Ion	Resp	Lower	Upper
77	100		
97	26.2	11.8	35.4

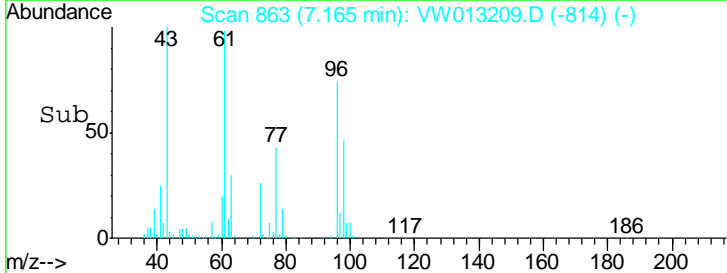
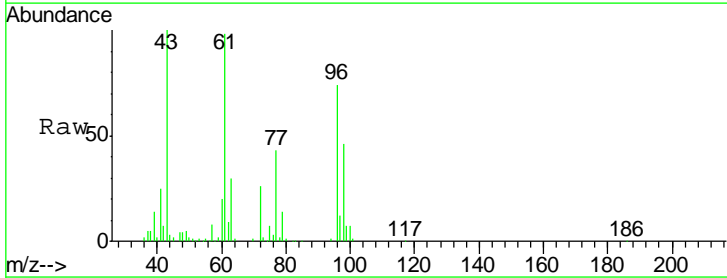
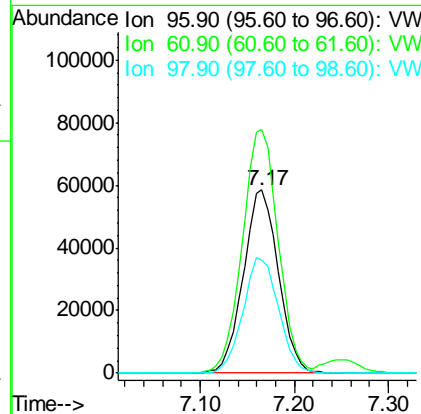
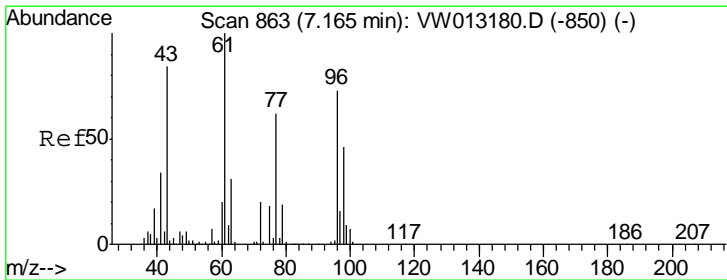
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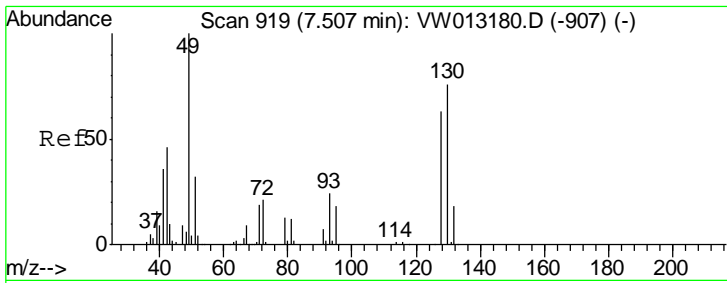
MMDadoda
 9/24/2019 5:29:05 AM



#27
 cis-1,2-Dichloroethene
 Concen: 54.955 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
96	100		
61	136.0	0.0	282.4
98	64.3	0.0	128.2





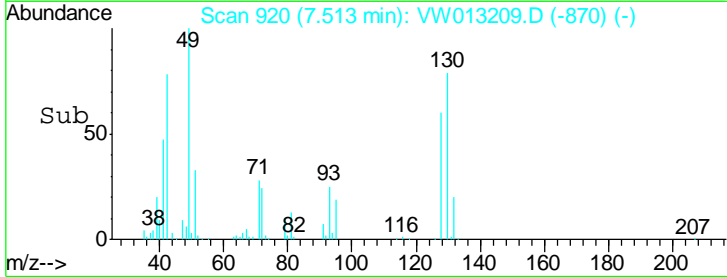
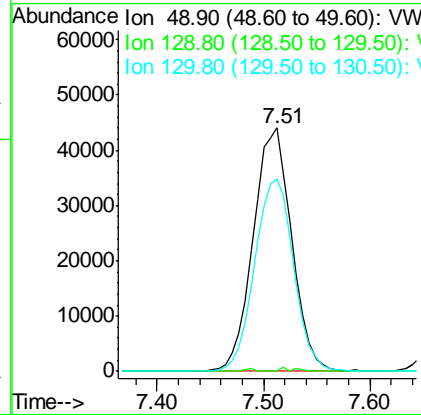
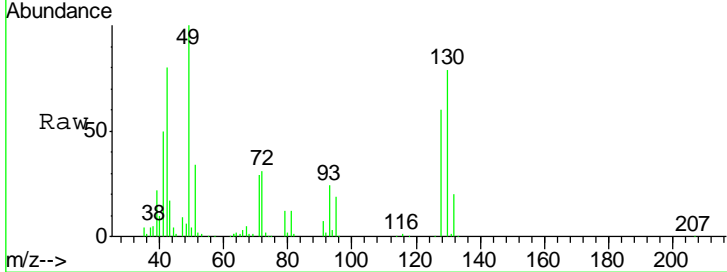
#28
 Bromochloromethane
 Concen: 65.473 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MSD

Tgt Ion	Resp	Lower	Upper
49	100		
129	0.6	0.0	1.0
130	80.0	63.4	95.2

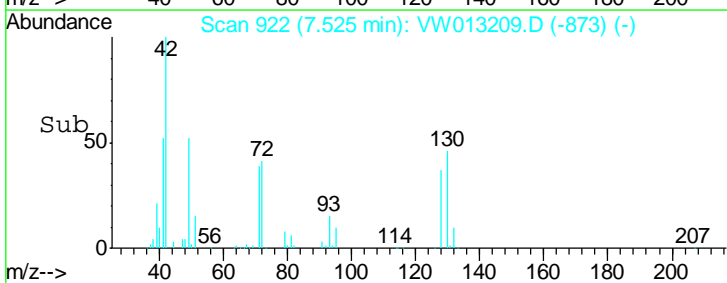
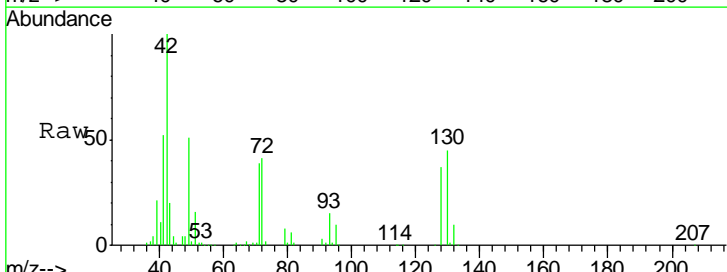
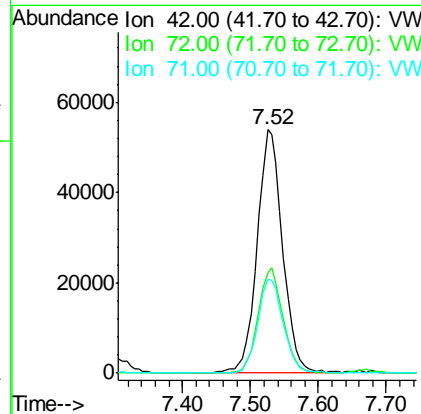
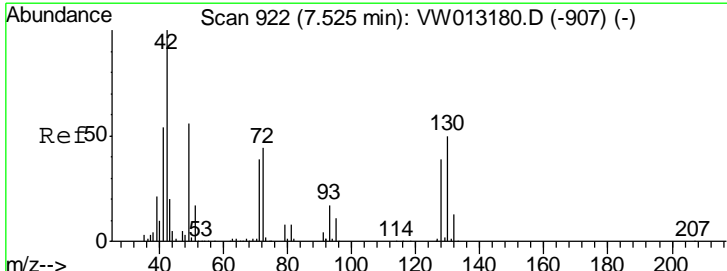
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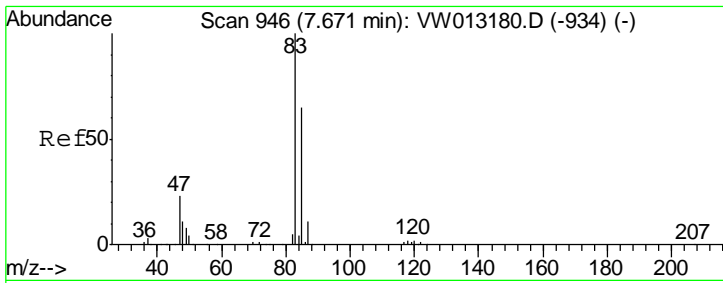
MMDadoda
 9/24/2019 5:29:05 AM



#29
 Tetrahydrofuran
 Concen: 318.397 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.1	33.9	50.9
71	39.0	31.9	47.9



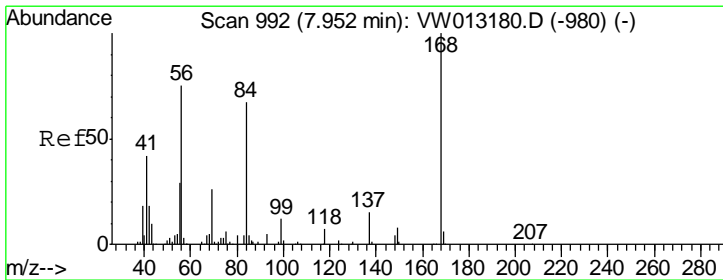
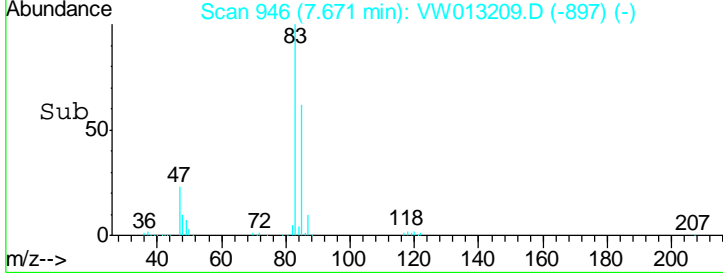
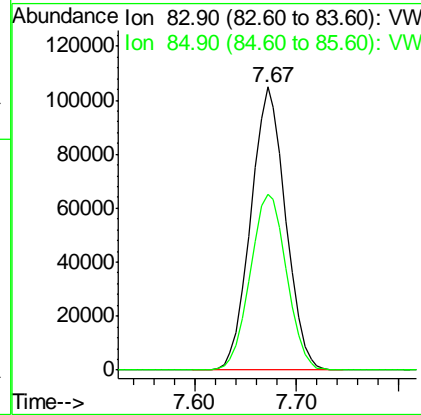
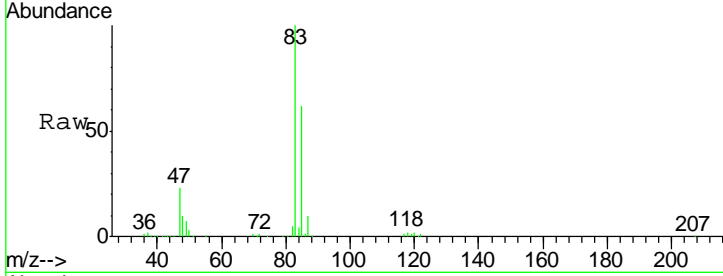


#30
 Chloroform
 Concen: 57.292 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
ClientSampled :
 982-S-3-(19)MSD

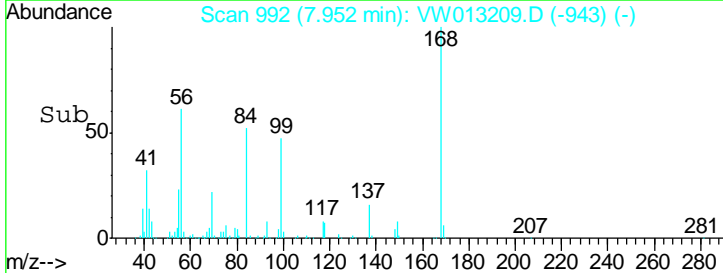
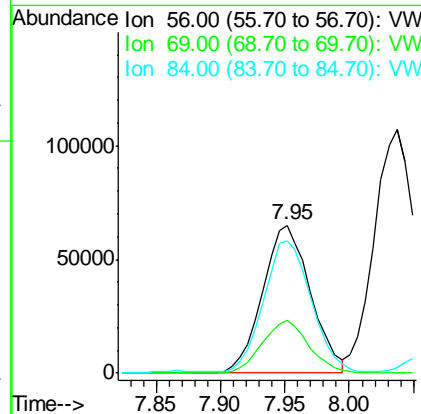
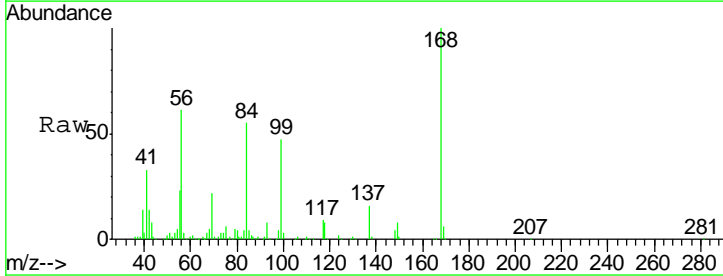
Tgt Ion	Resp	Lower	Upper
83	100		
85	62.1	52.3	78.5

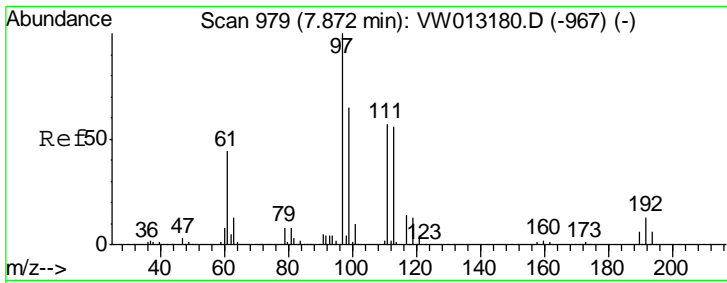
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 9/24/2019 5:29:05 AM



#31
 Cyclohexane
 Concen: 36.267 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
56	100		
69	36.2	27.2	40.8
84	88.1	70.8	106.2



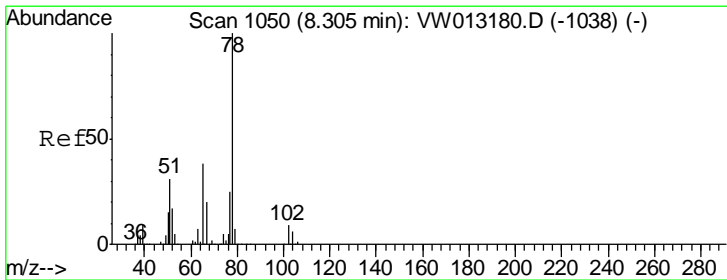
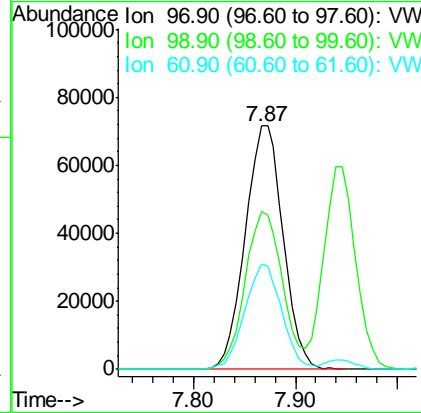
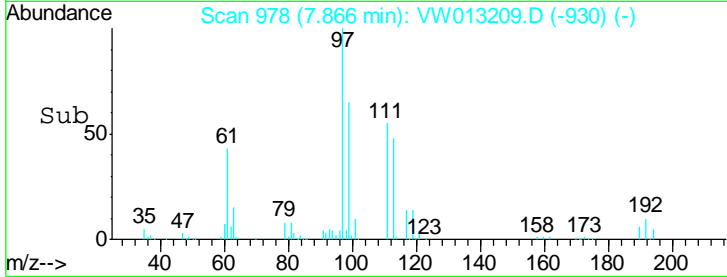
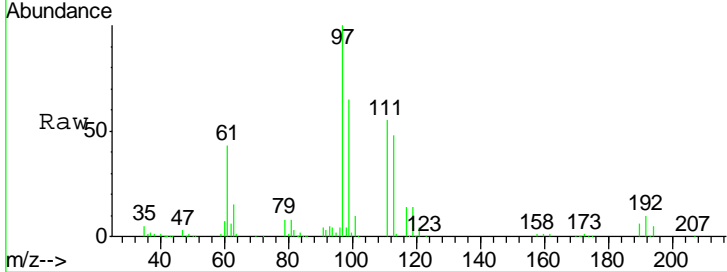


#32
 1,1,1-Trichloroethane
 Concen: 52.519 ug/l
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
97	184756		
97	100		
99	64.5	51.7	77.5
61	42.1	34.6	51.8

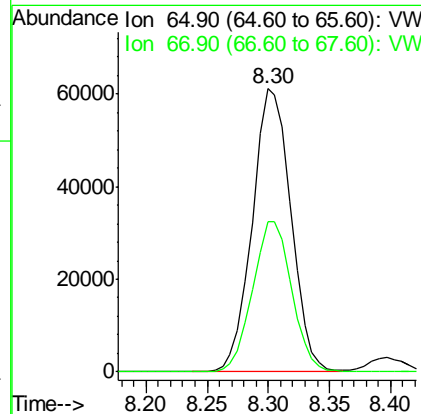
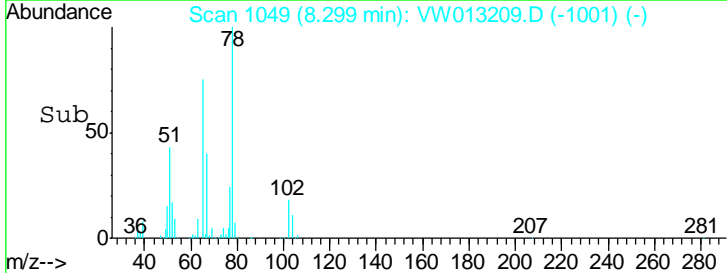
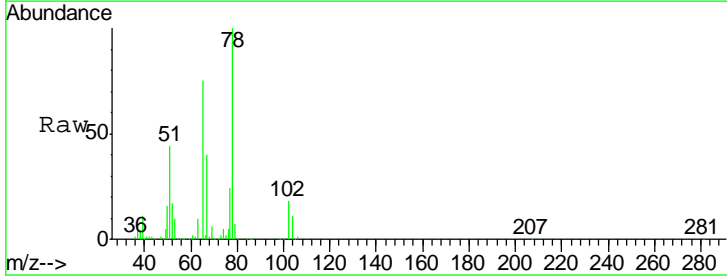
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

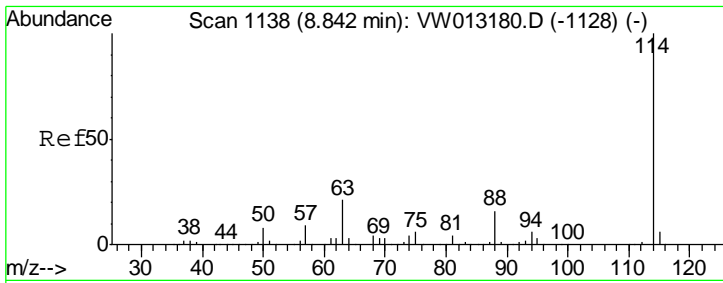
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#33
 1,2-Dichloroethane-d4
 Concen: 63.053 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
65	134525		
65	100		
67	53.6	0.0	106.2



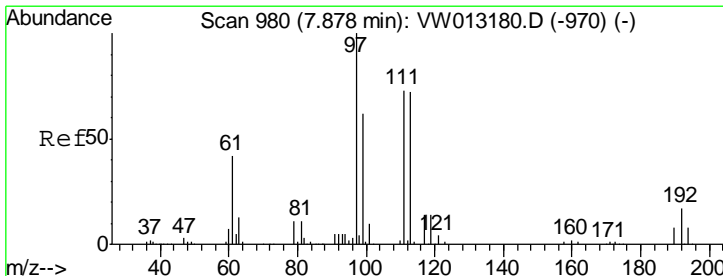
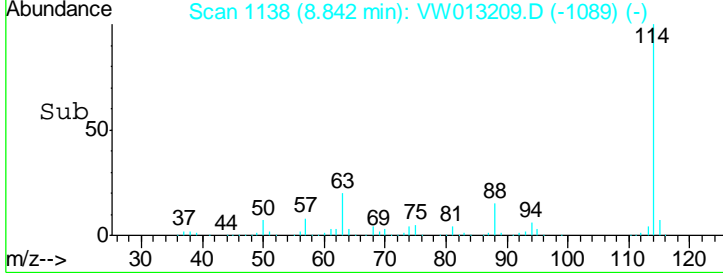
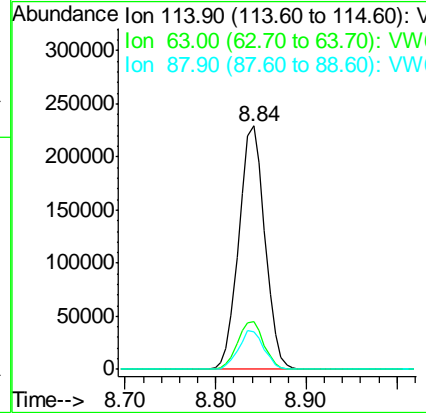
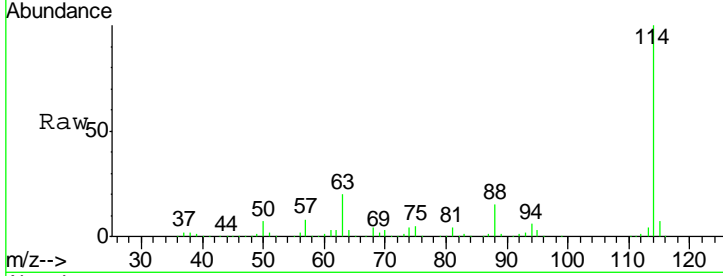


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MSD

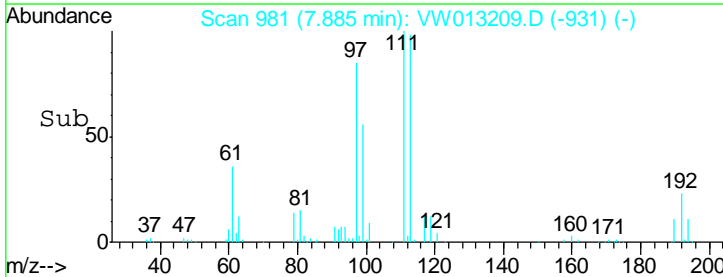
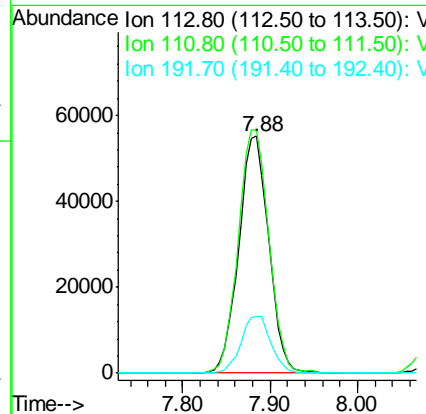
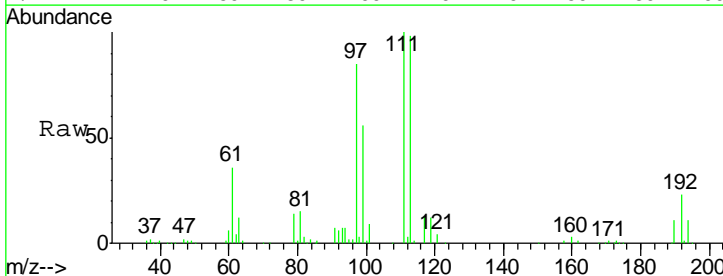
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.6	0.0	41.4
88	15.5	0.0	32.0

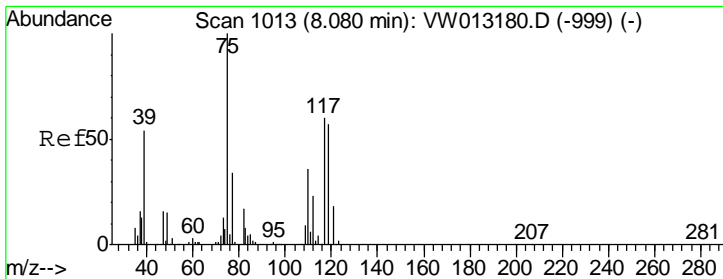
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#35
 Dibromofluoromethane
 Concen: 52.528 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

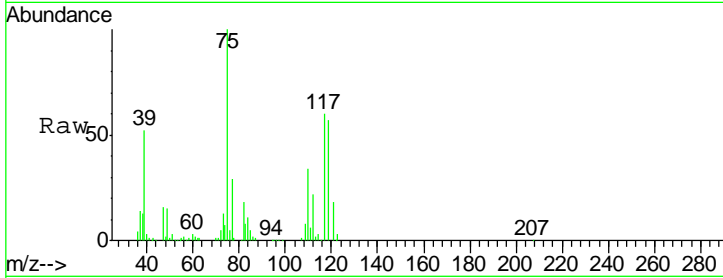
Tgt Ion	Resp	Lower	Upper
113	100		
111	105.2	81.9	122.9
192	24.0	19.1	28.7





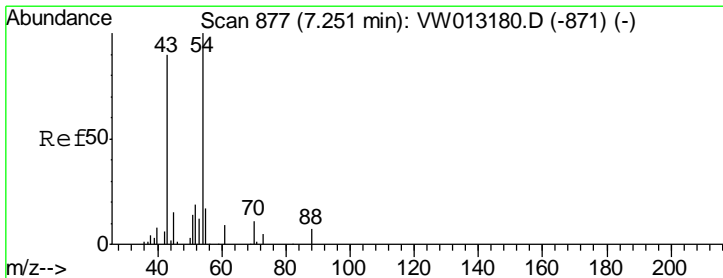
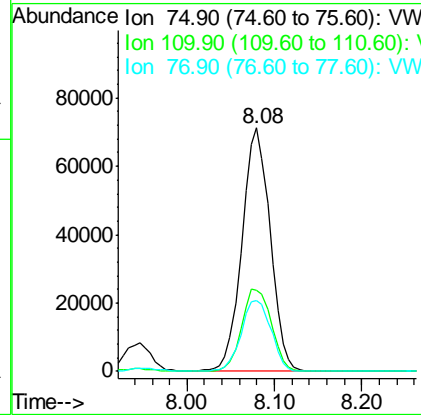
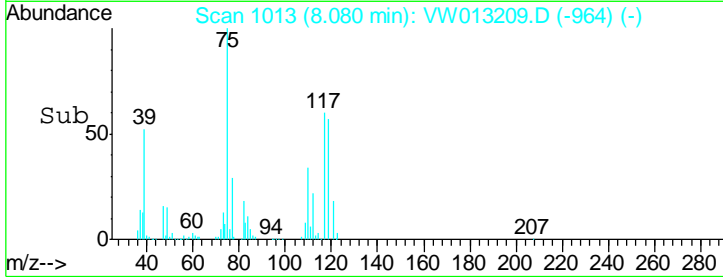
#36
 1,1-Dichloropropene
 Concen: 36.203 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

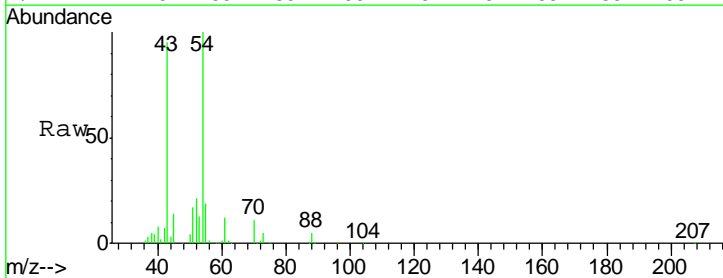


Tgt Ion	Resp	Lower	Upper
75	159887		
75	100		
110	35.7	18.1	54.3
77	31.1	25.8	38.6

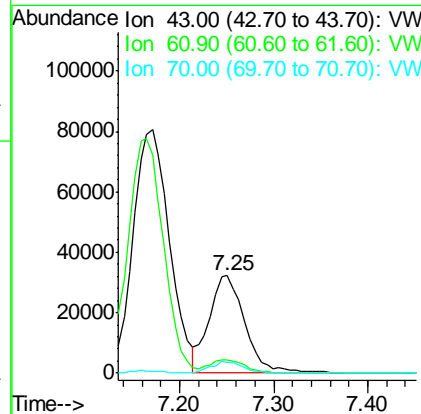
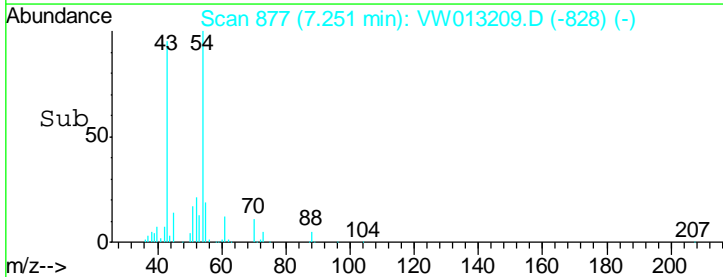
Manual Integrations
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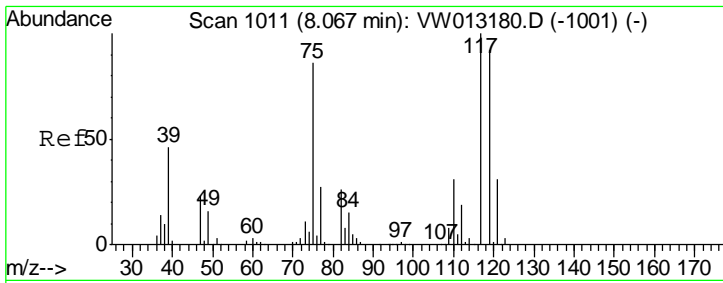


#37
 Ethyl Acetate
 Concen: 44.894 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29



Tgt Ion	Resp	Lower	Upper
43	84266		
43	100		
61	13.8	10.9	16.3
70	10.3	8.2	12.2





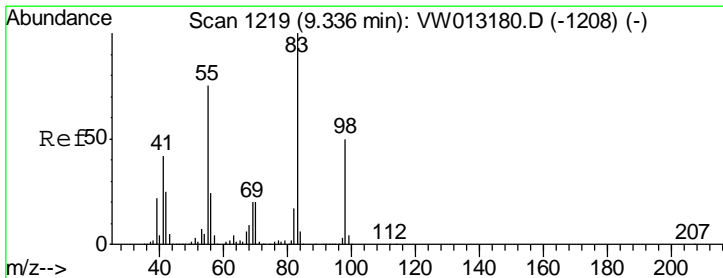
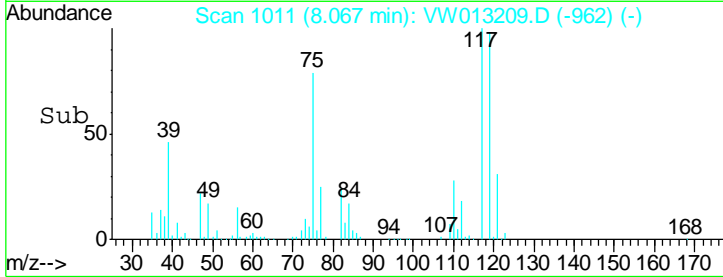
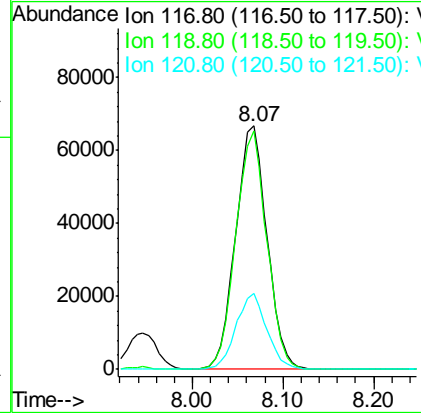
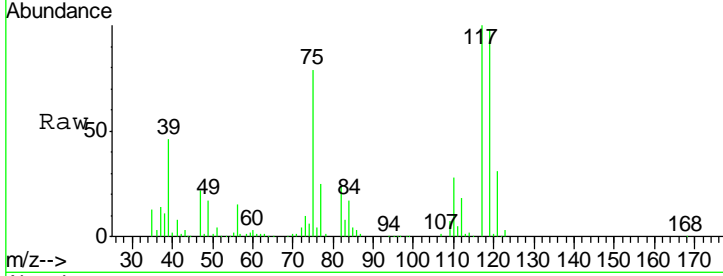
#38
 Carbon Tetrachloride
 Concen: 40.466 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

Tgt Ion	Resp	Lower	Upper
117	160204		
117	100		
119	98.2	73.5	110.3
121	31.2	25.0	37.6

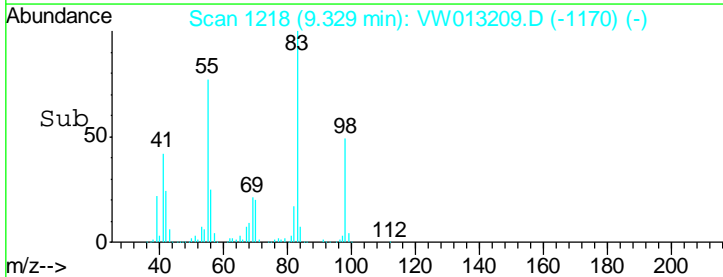
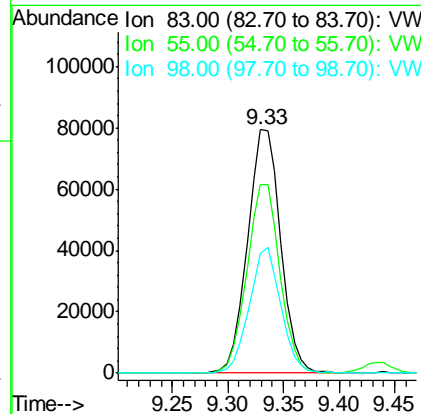
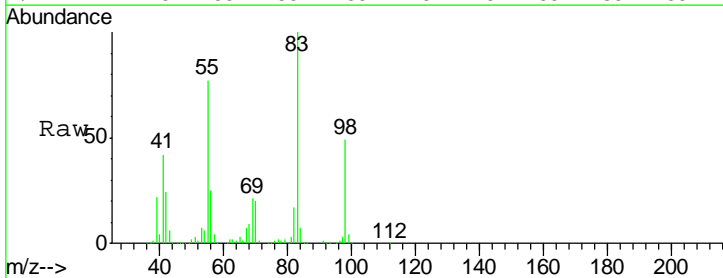
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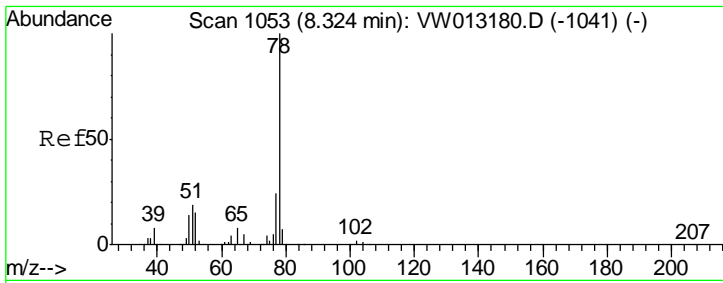
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#39
 Methylcyclohexane
 Concen: 28.984 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
83	164499		
83	100		
55	77.4	60.4	90.6
98	48.9	40.0	60.0





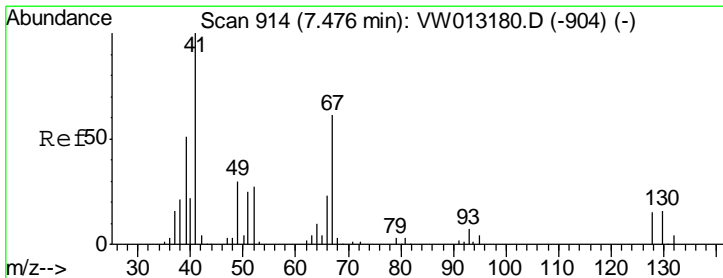
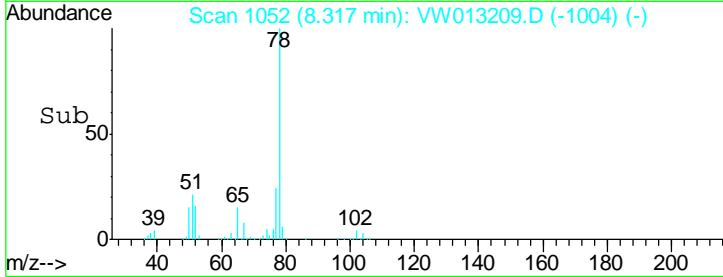
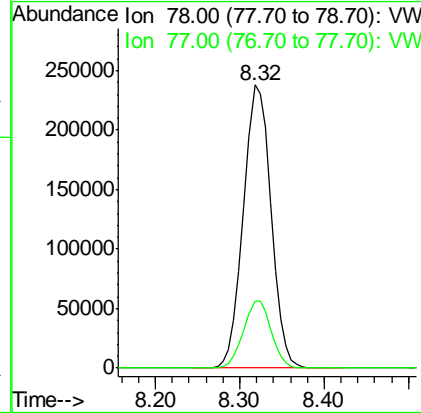
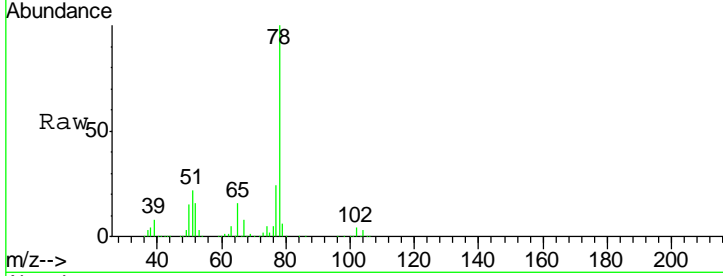
#40
Benzene
Concen: 42.795 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
Client Sampled : 982-S-3-(19)MSD

Tgt Ion	Resp	Lower	Upper
78	527172		
78	100		
77	23.9	19.1	28.7

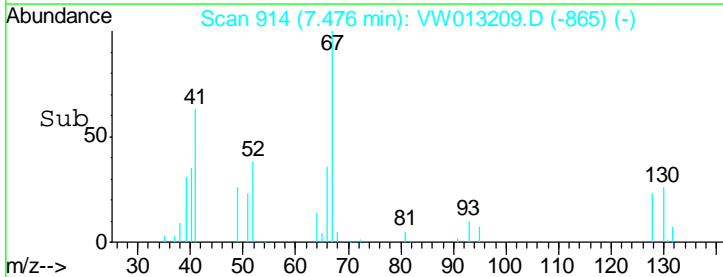
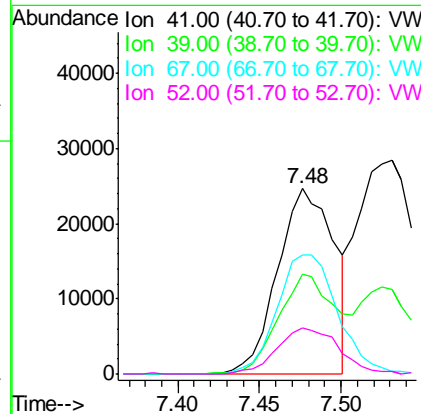
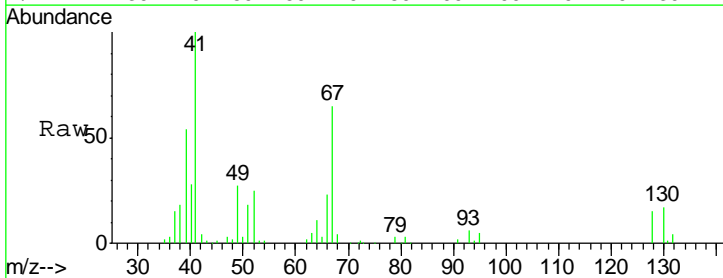
Manual Integrations APPROVED

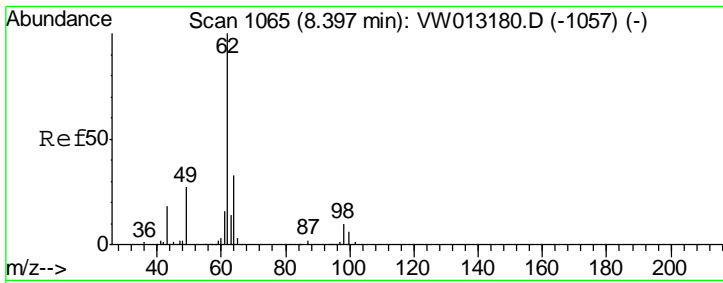
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#41
Methacrylonitrile
Concen: 53.003 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW013209.D
Acq: 21 Sep 2019 03:29

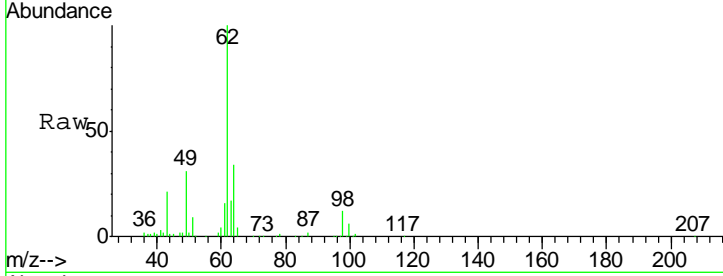
Tgt Ion	Resp	Lower	Upper
41	59376		
41	100		
39	57.3	45.9	68.9
67	69.0	54.5	81.7
52	27.3	22.5	33.7





#42
 1,2-Dichloroethane
 Concen: 46.201 ug/l
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

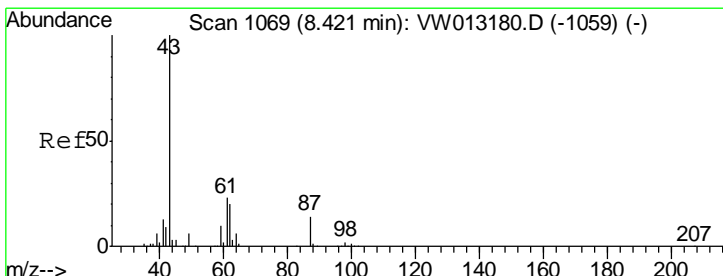
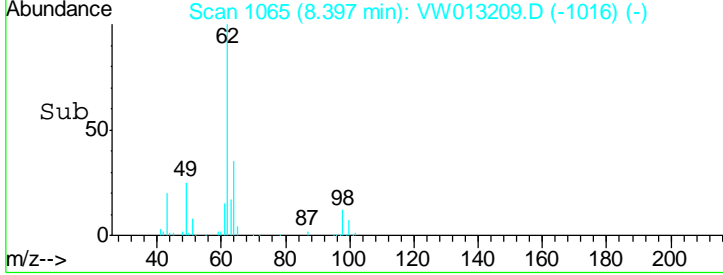
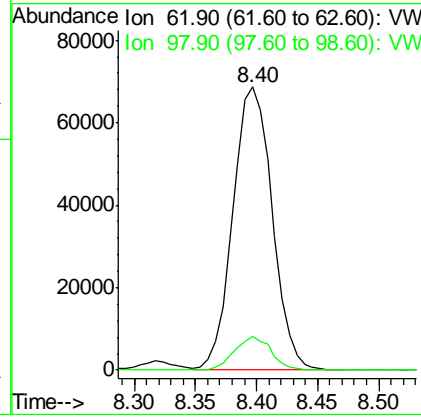
Instrument :
 MSVOA_W
Client Sampled :
 982-S-3-(19)MSD



Tgt Ion: 62 Resp: 152996

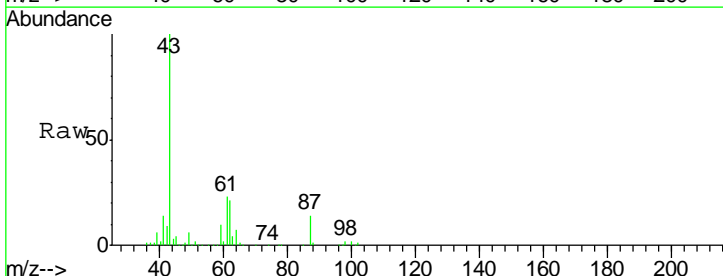
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.6

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 9/24/2019 5:29:05 AM



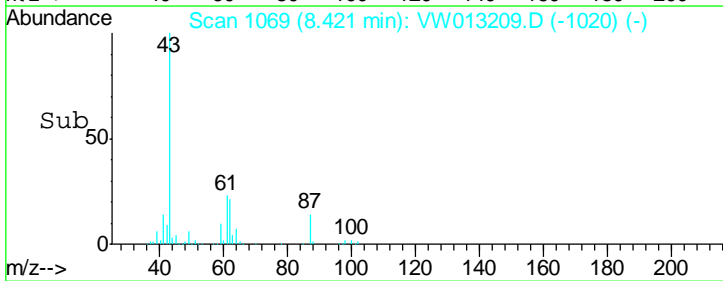
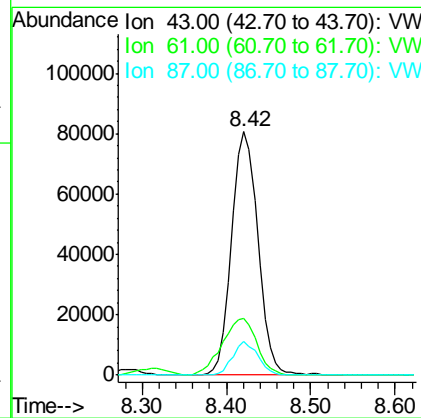
#43
 Isopropyl Acetate
 Concen: 47.361 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

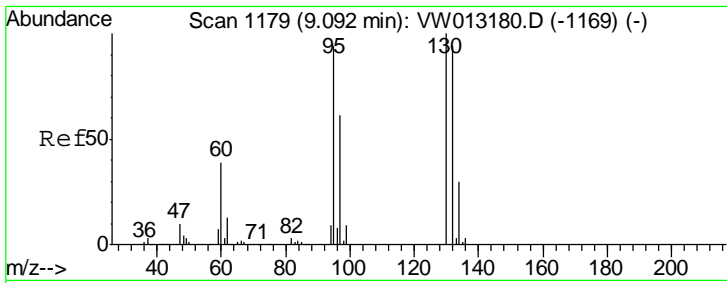
- 1
- 2
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- 10
- 11
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- 14
- 15
- 16
- 17
- 18



Tgt Ion: 43 Resp: 170378

Ion	Ratio	Lower	Upper
43	100		
61	30.3	25.5	38.3
87	13.4	11.0	16.4



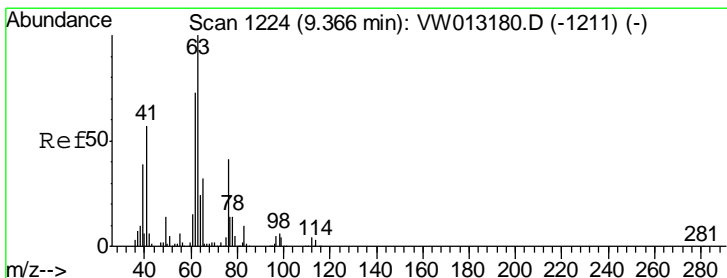
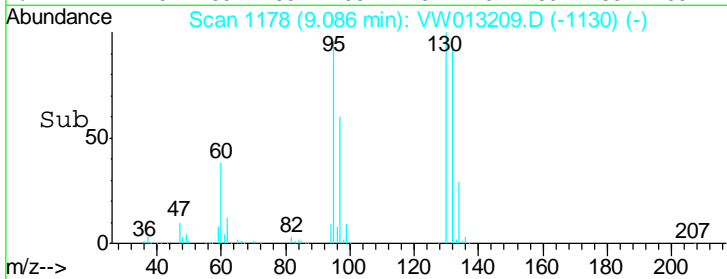
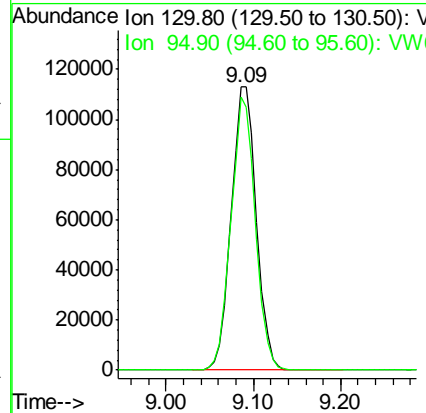
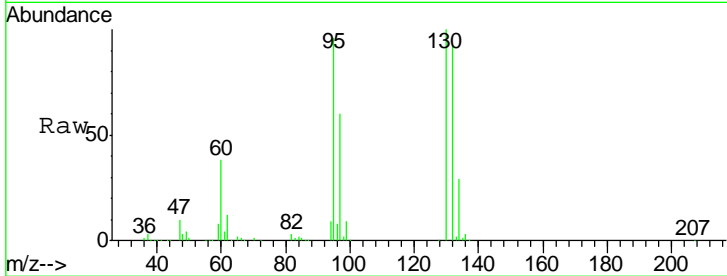


#44
 Trichloroethene
 Concen: 65.068 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	188.0

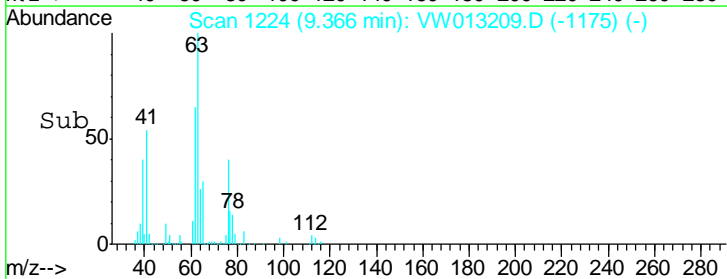
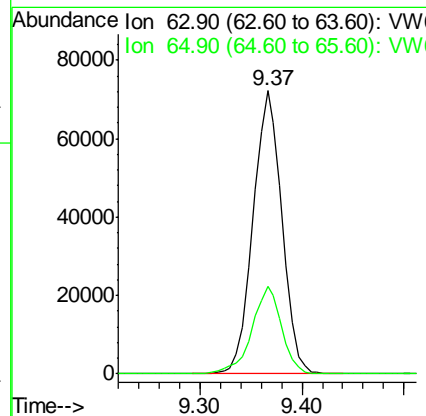
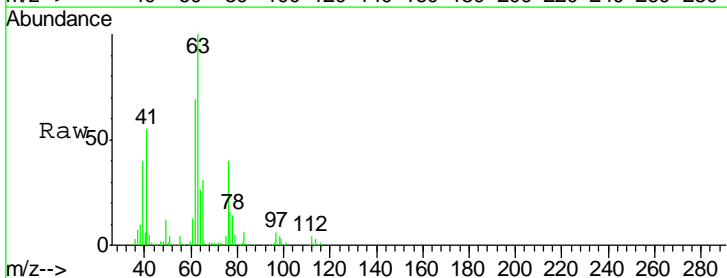
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

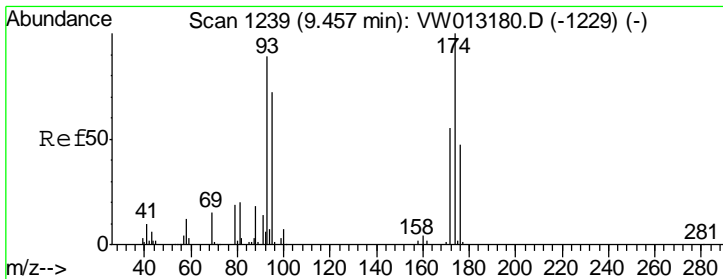
Manual Integrations
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 MMDadoda
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#45
 1,2-Dichloropropane
 Concen: 47.321 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

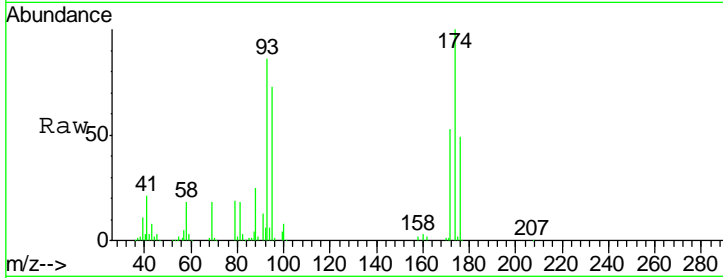
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.3	37.9





#46
 Dibromomethane
 Concen: 46.223 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

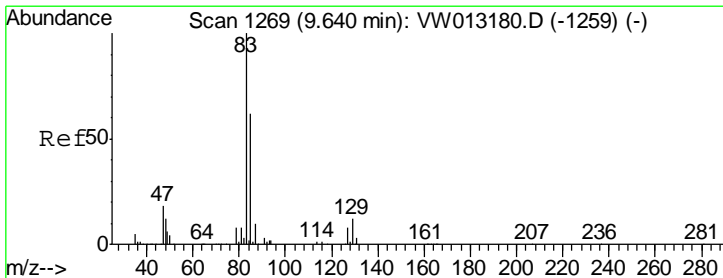
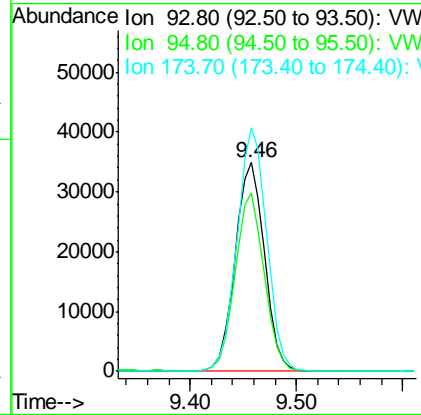
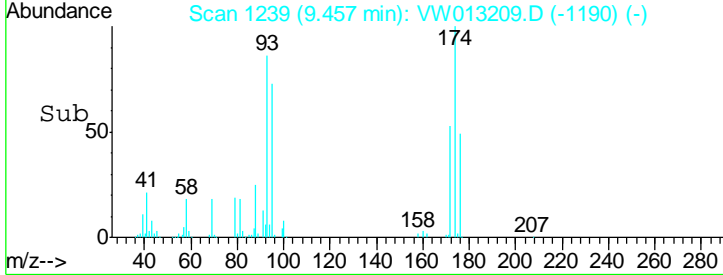
Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MSD



Tgt Ion: 93 Resp: 67491

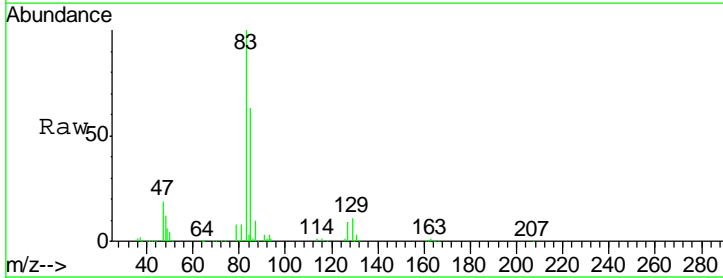
Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.4	99.6
174	118.1	93.0	139.6

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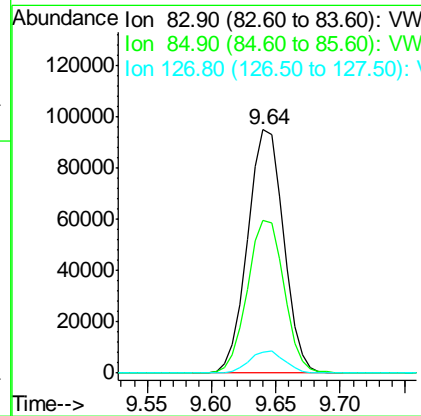
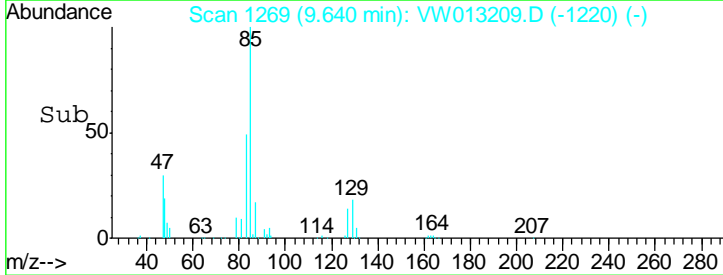
#47
 Bromodichloromethane
 Concen: 49.301 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

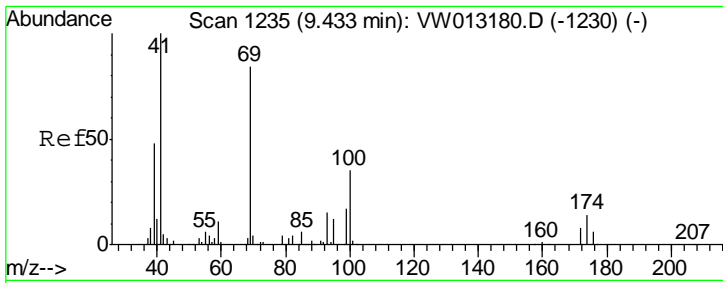
Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MSD



Tgt Ion: 83 Resp: 183173

Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.4	74.2
127	8.6	6.5	9.7



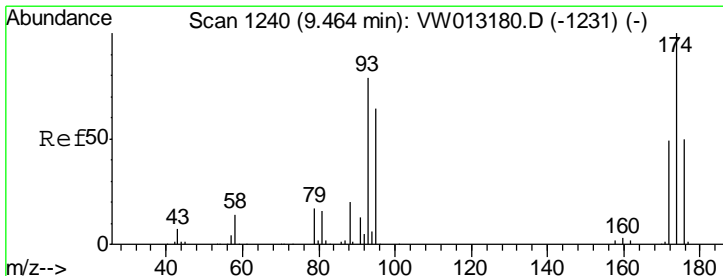
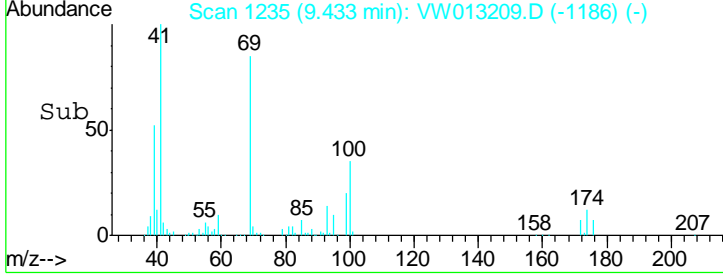
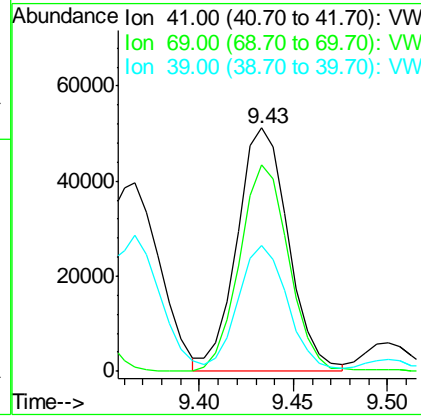
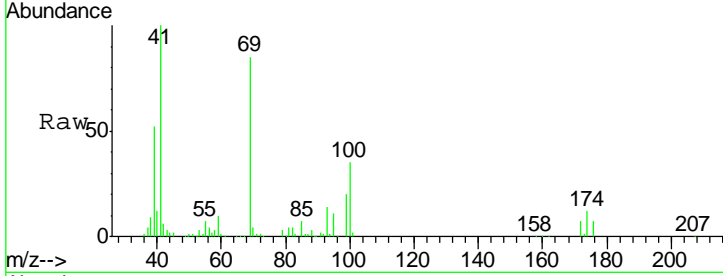


#48
 Methyl methacrylate
 Concen: 56.960 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
41	100		
69	81.6	69.7	104.5
39	50.0	41.1	61.7

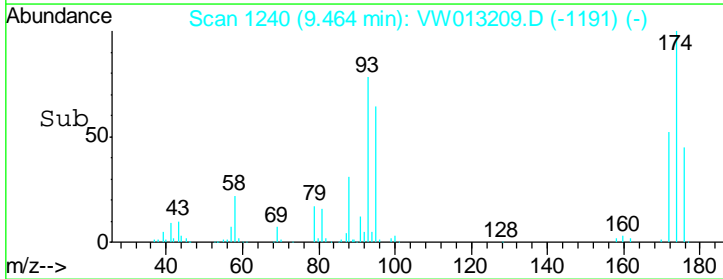
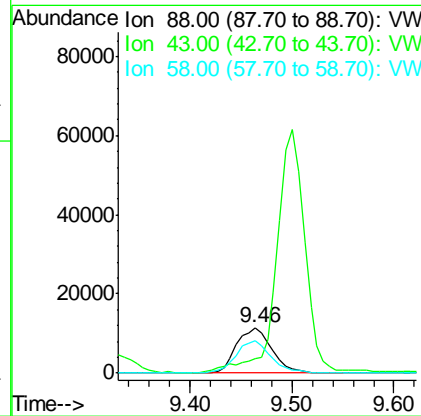
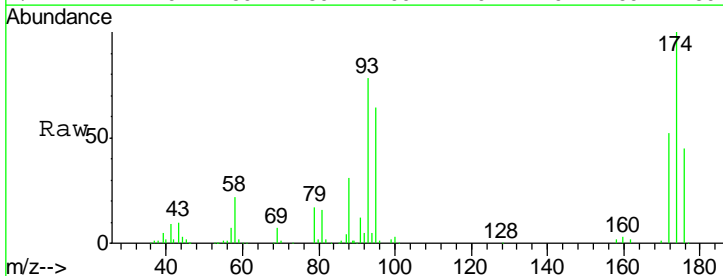
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

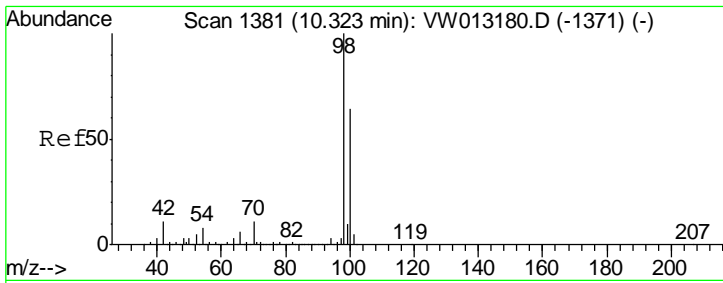
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 9/24/2019 5:29:05 AM



#49
 1,4-Dioxane
 Concen: 1252.328 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.6	65.4	98.0



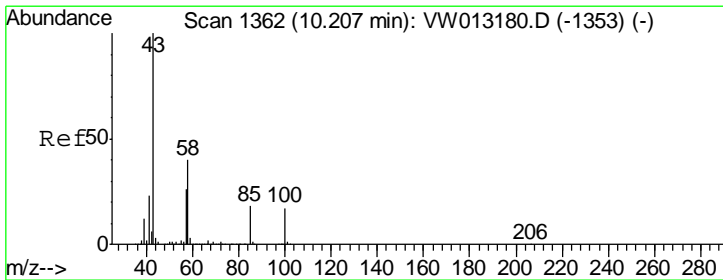
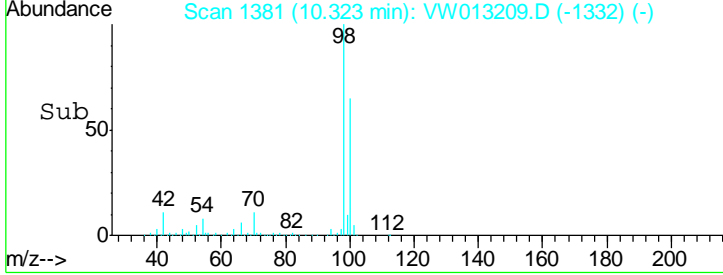
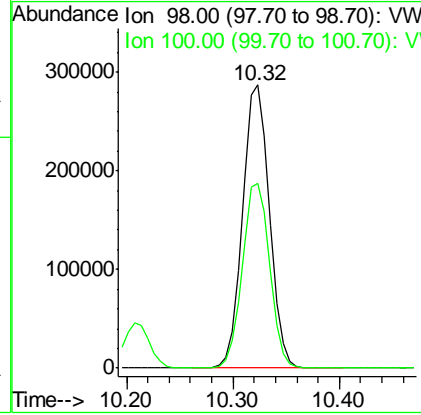
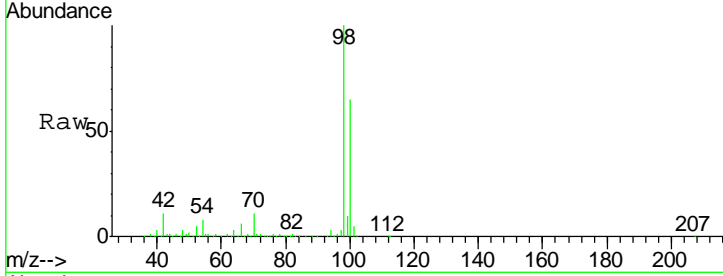


#50
 Toluene-d8
 Concen: 48.390 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

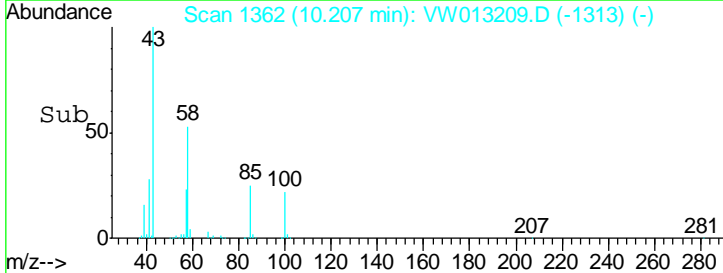
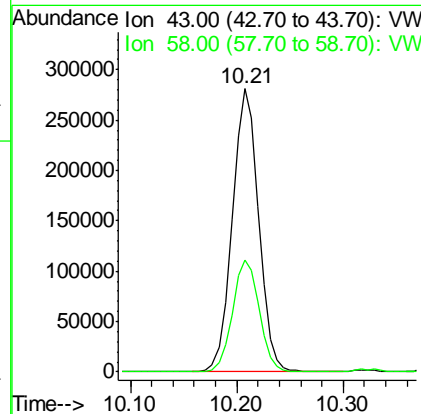
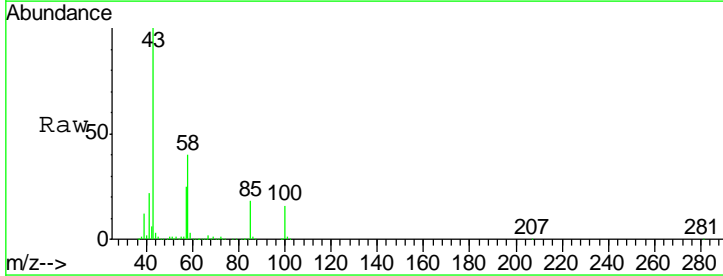
Tgt Ion	Resp	Lower	Upper
98	507881		
98	100		
100	66.5	52.9	79.3

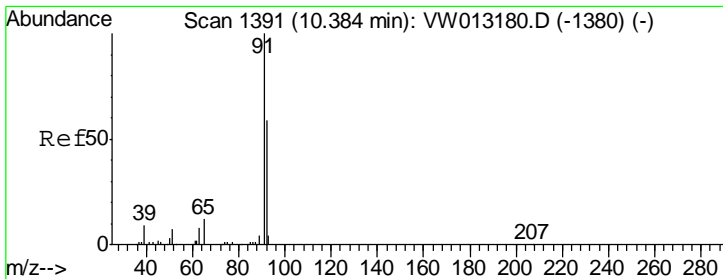
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#51
 4-Methyl-2-Pentanone
 Concen: 269.517 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
43	486060		
43	100		
58	40.1	31.7	47.5



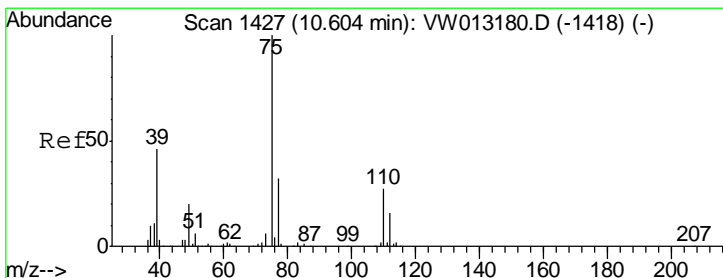
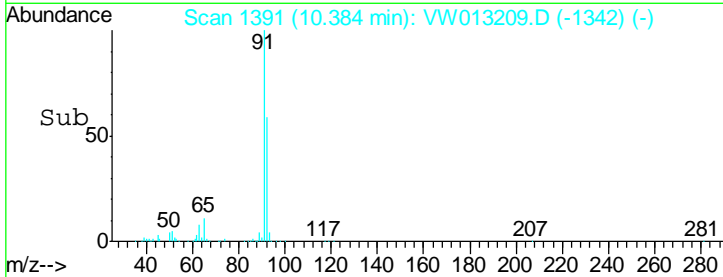
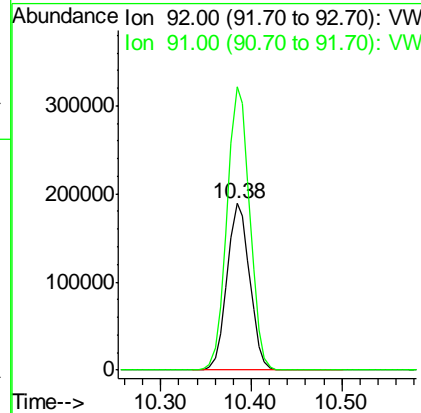
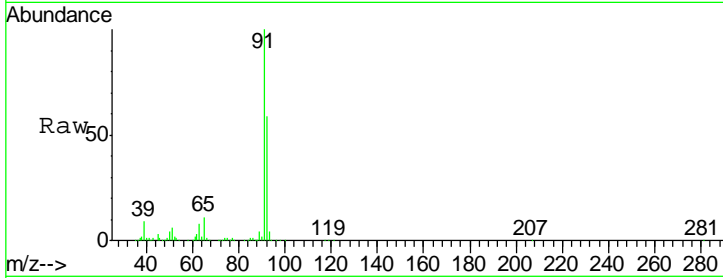


#52
 Toluene
 Concen: 41.666 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

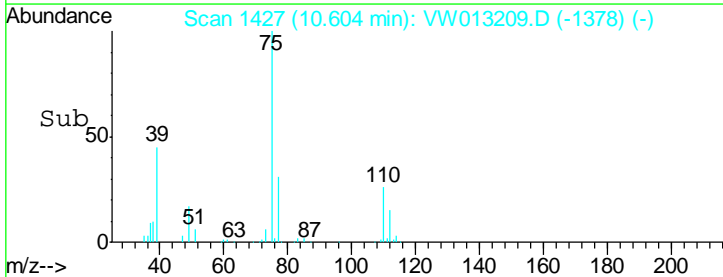
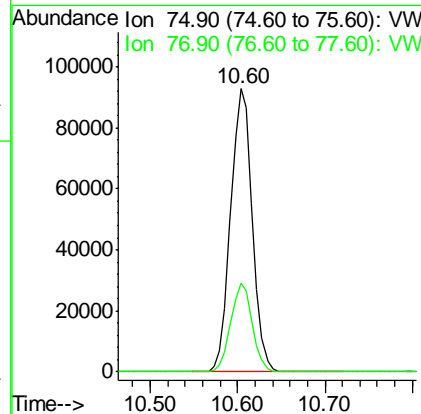
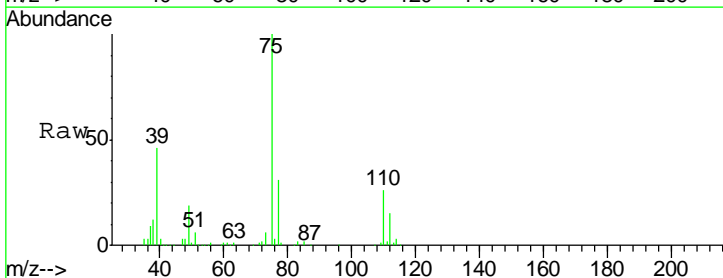
Tgt Ion	Resp	Lower	Upper
92	328952		
92	100		
91	170.5	135.7	203.5

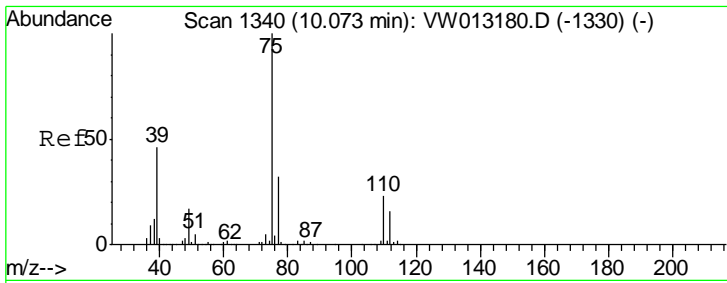
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#53
 t-1,3-Dichloropropene
 Concen: 41.772 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
75	159449		
75	100		
77	31.2	25.5	38.3



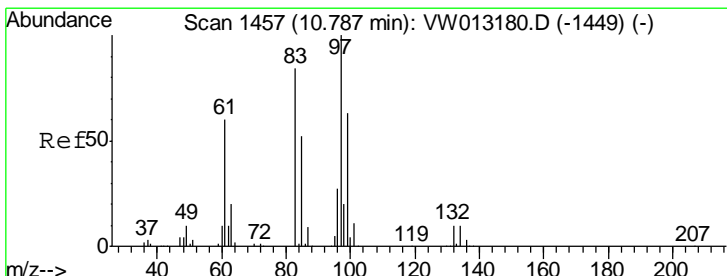
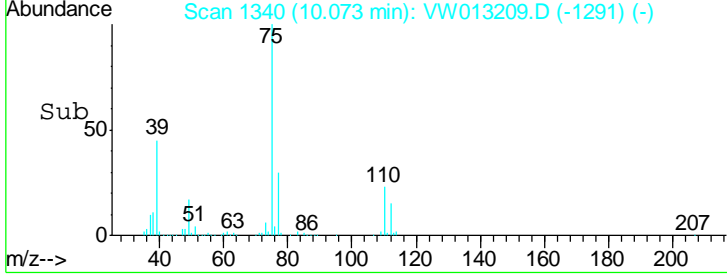
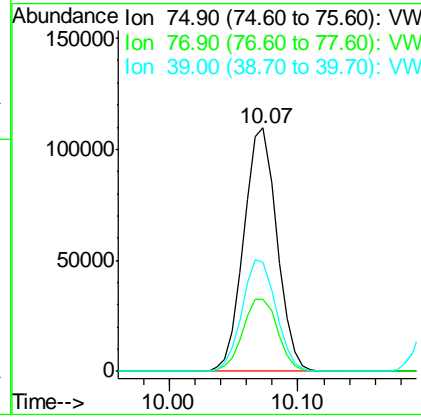
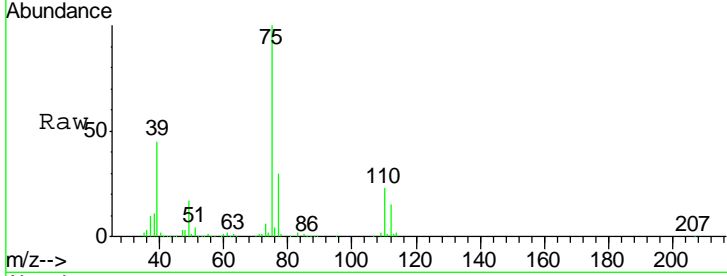


#54
 cis-1,3-Dichloropropene
 Concen: 41.974 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

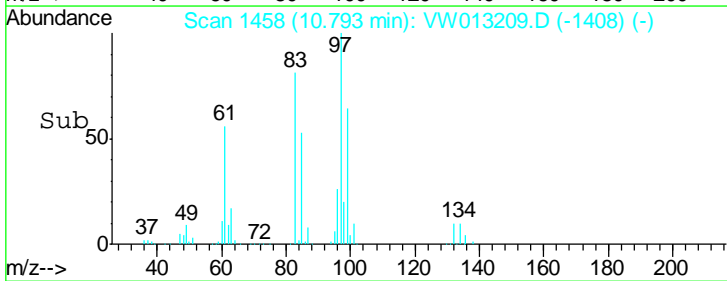
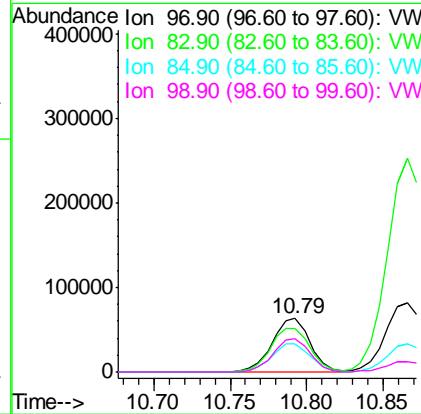
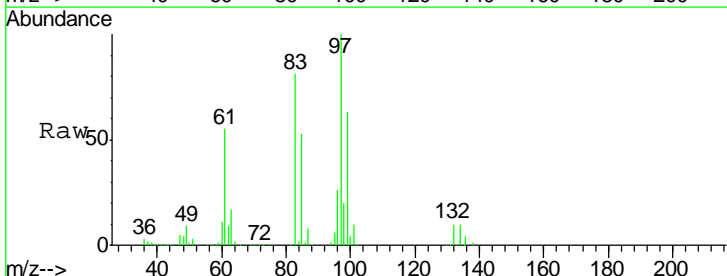
Tgt Ion	Resp	Lower	Upper
75	194811		
75	100		
77	29.8	25.2	37.8
39	44.5	36.6	55.0

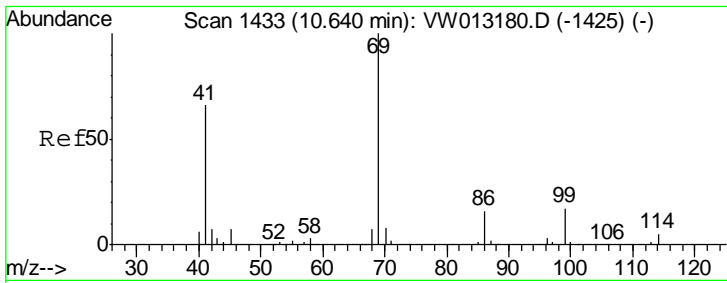
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#55
 1,1,2-Trichloroethane
 Concen: 50.112 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
97	109366		
97	100		
83	80.7	67.6	101.4
85	52.6	41.9	62.9
99	63.5	50.1	75.1



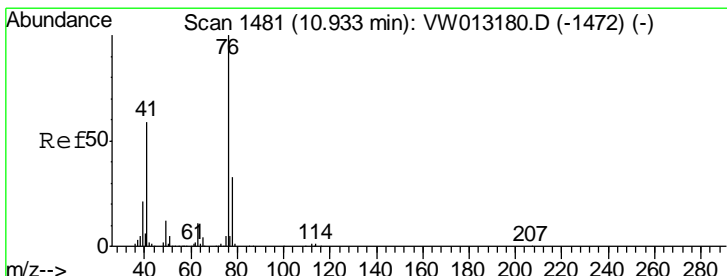
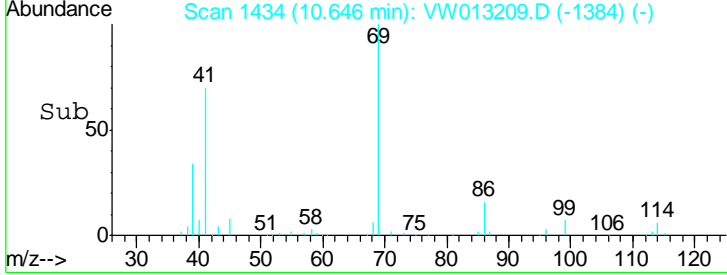
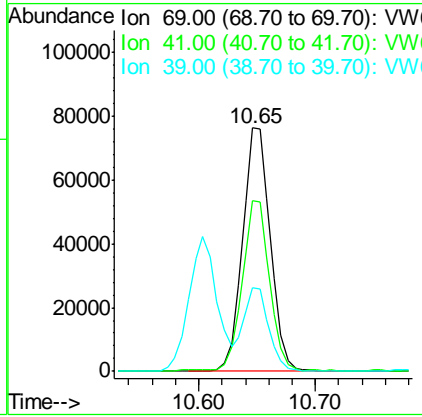
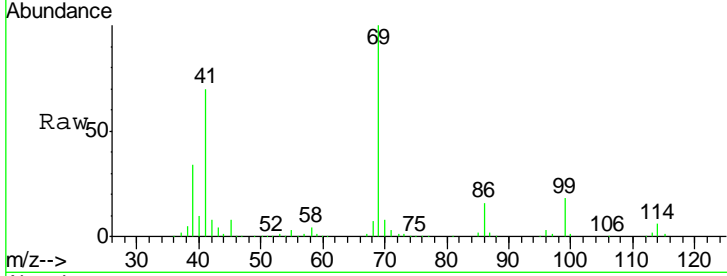


#56
 Ethyl methacrylate
 Concen: 44.445 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

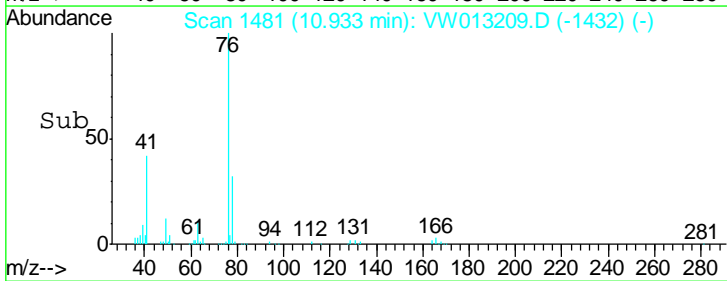
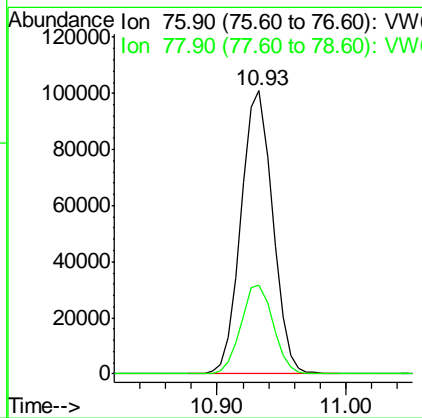
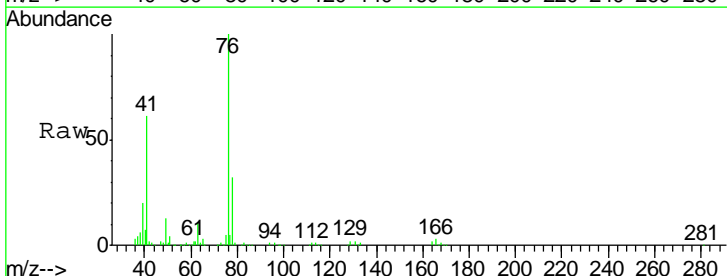
Tgt Ion	Resp	Lower	Upper
69	126943		
41	68.1	53.9	80.9
39	31.9	23.8	35.6

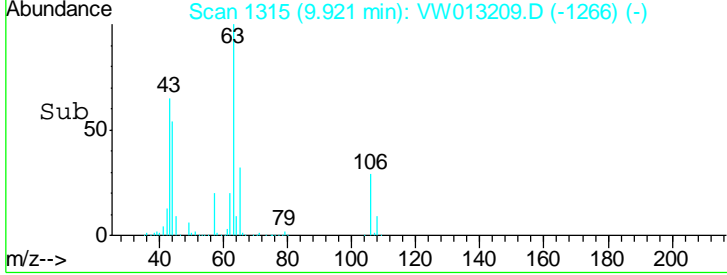
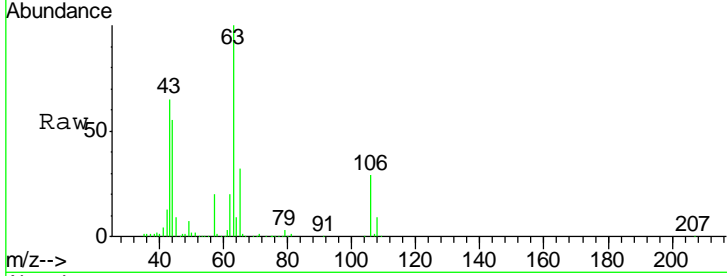
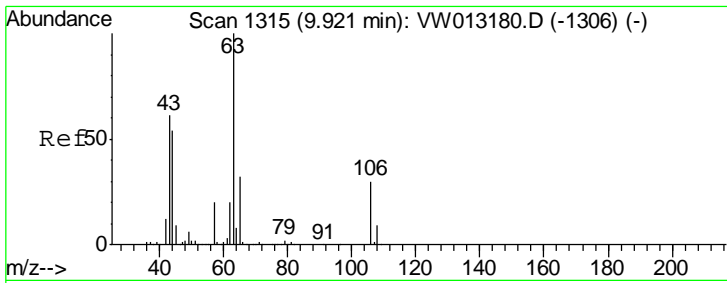
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#57
 1,3-Dichloropropane
 Concen: 44.999 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
76	171375		
78	32.1	25.5	38.3





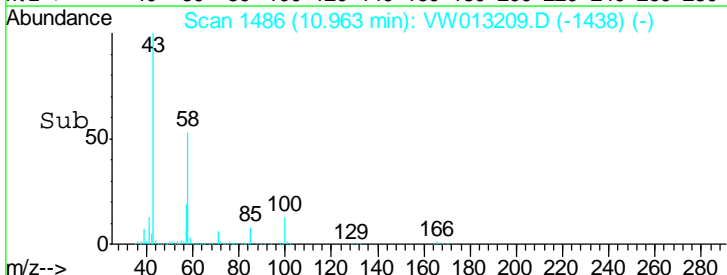
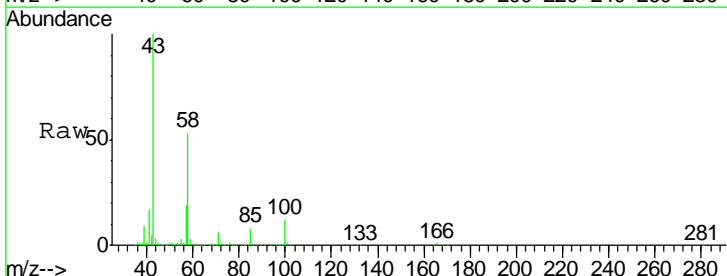
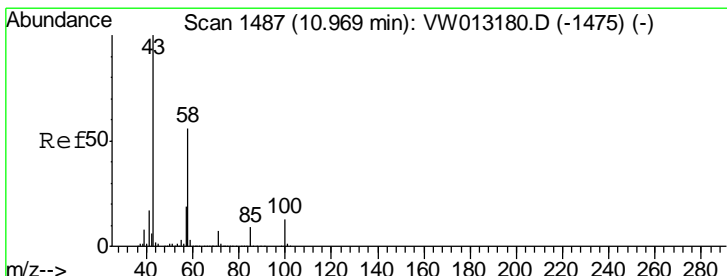
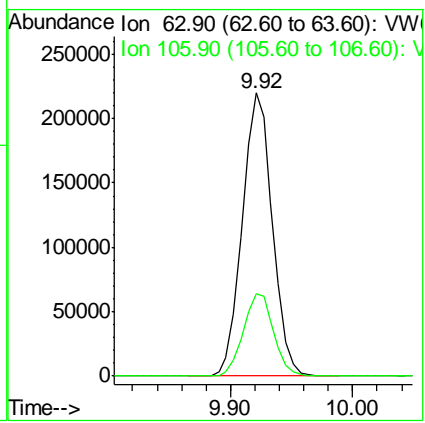
#58
 2-Chloroethyl Vinyl ether
 Concen: 283.418 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion: 63 Resp: 374755

Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.4	35.0

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

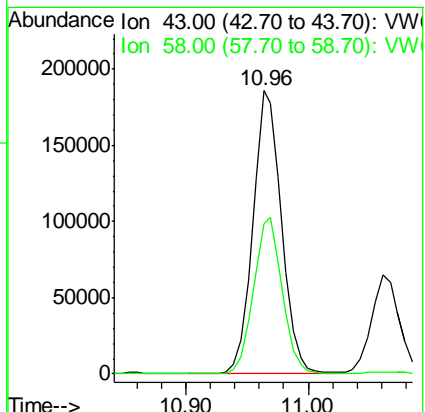
Manual Integrations
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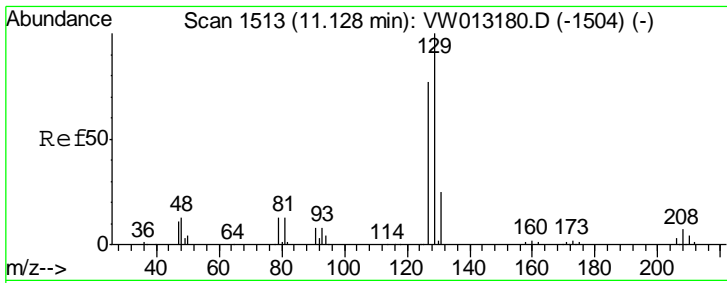


#59
 2-Hexanone
 Concen: 243.610 ug/l
 RT: 10.96 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion: 43 Resp: 302264

Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.1	84.2





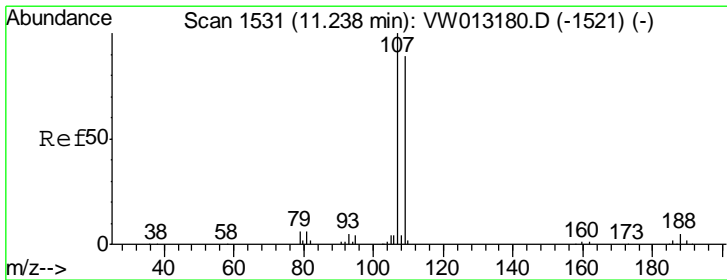
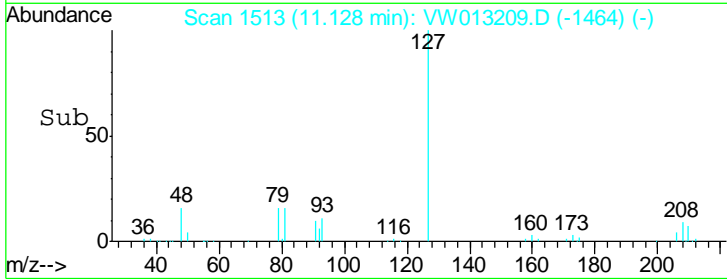
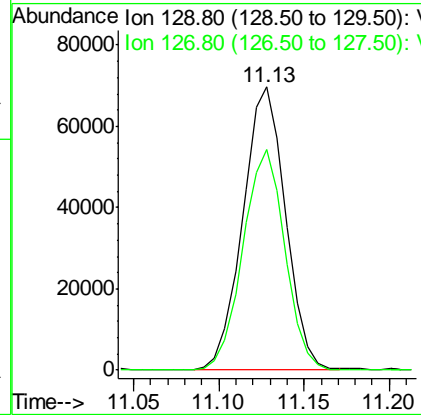
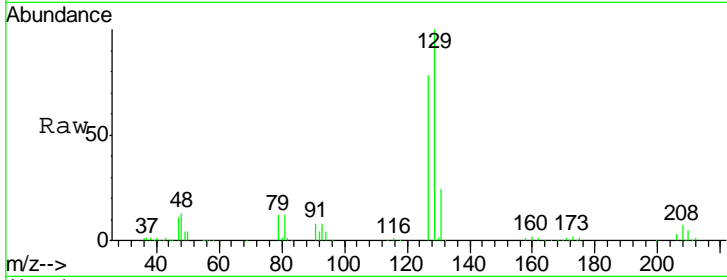
#60
 Dibromochloromethane
 Concen: 49.350 ug/l m
 RT: 11.13 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MSD

Tgt Ion:129 Resp: 122294
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.4#

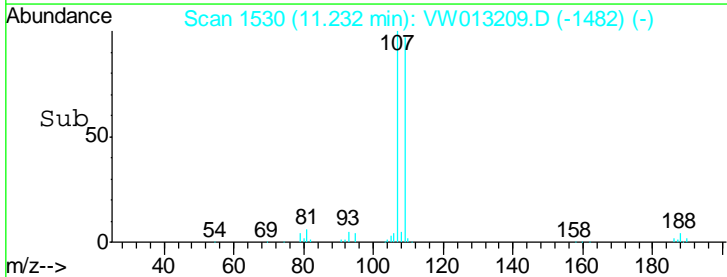
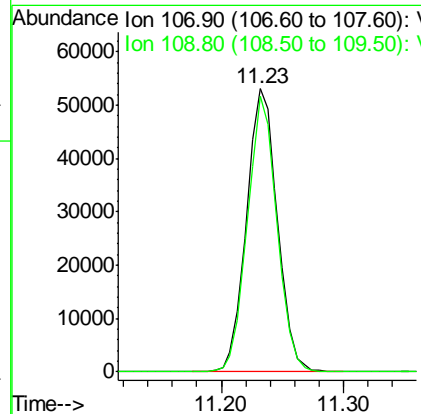
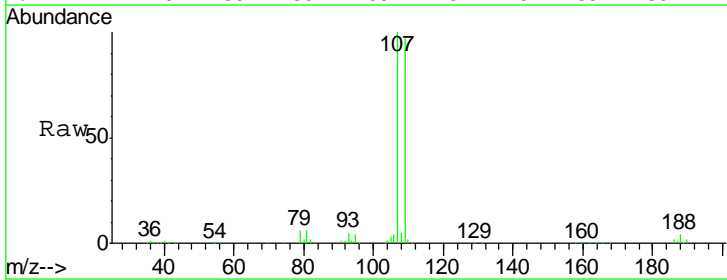
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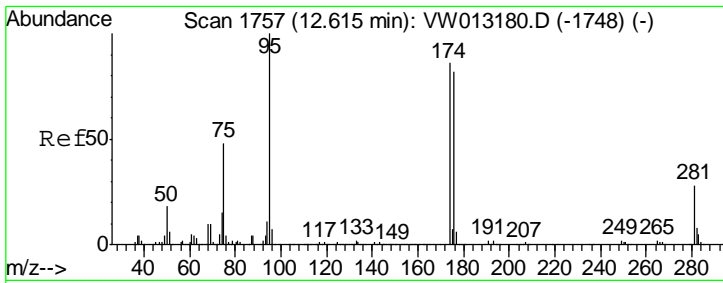
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#61
 1,2-Dibromoethane
 Concen: 44.667 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion:107 Resp: 92685
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.2 112.8



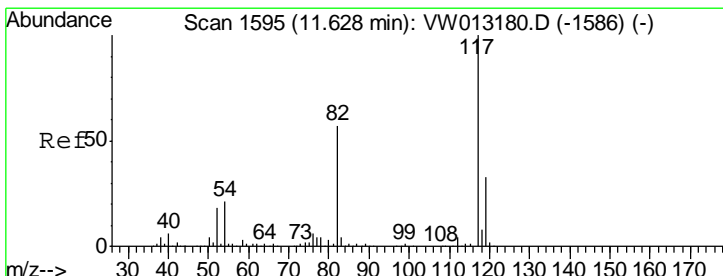
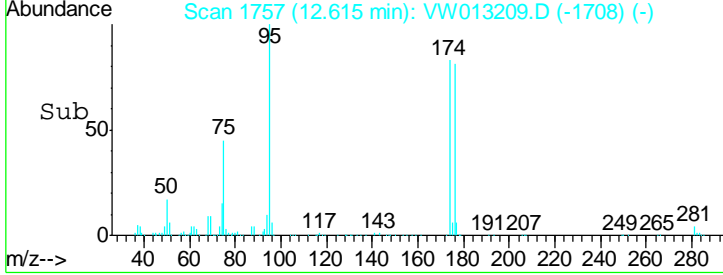
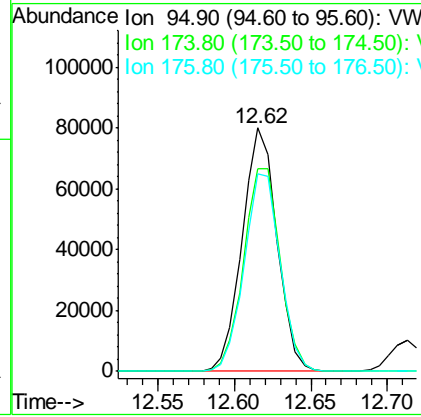
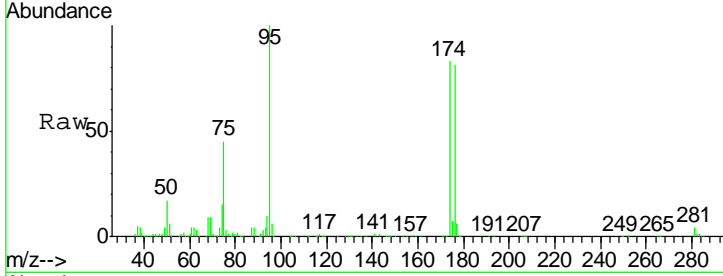


#62
 4-Bromofluorobenzene
 Concen: 35.149 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MSD

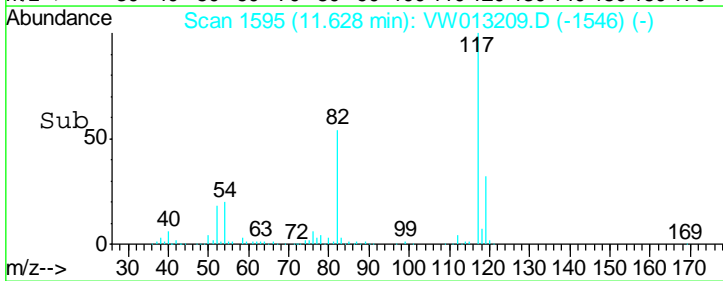
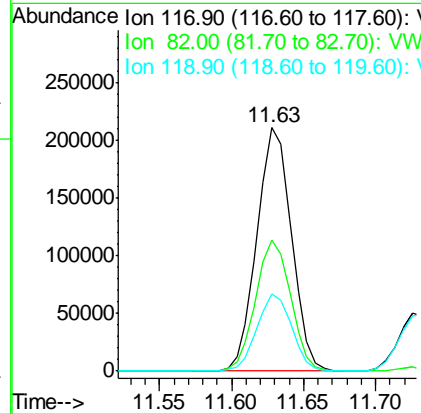
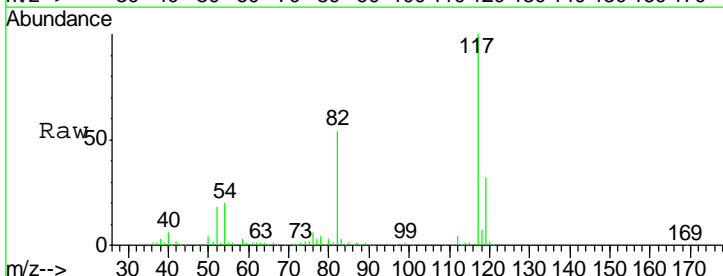
Tgt Ion	Resp	Lower	Upper
95	126018		
95	100		
174	87.9	0.0	178.4
176	84.1	0.0	172.2

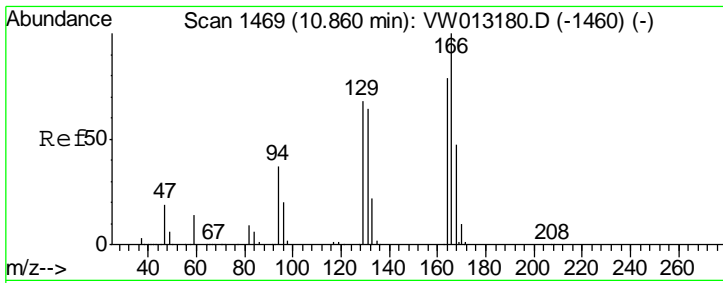
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

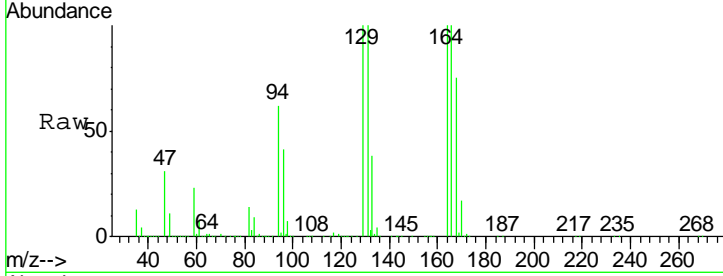
Tgt Ion	Resp	Lower	Upper
117	350395		
117	100		
82	54.0	45.9	68.9
119	31.8	26.2	39.2





#64
 Tetrachloroethene
 Concen: 6797.178 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

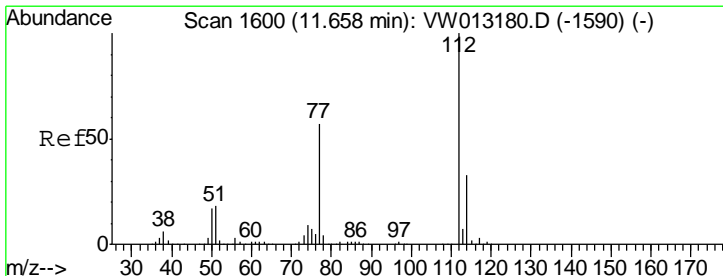
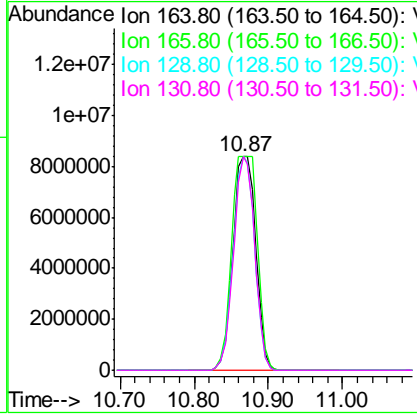
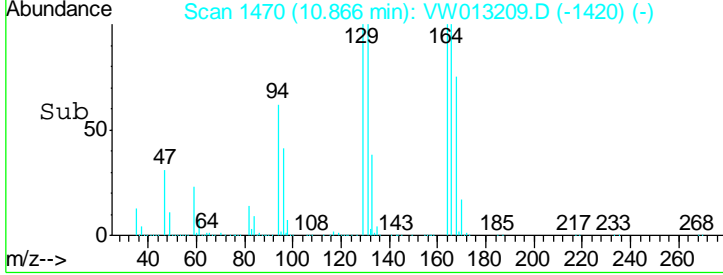
Instrument :
 MSVOA_W
 Client Sampled :
 982-S-3-(19)MSD



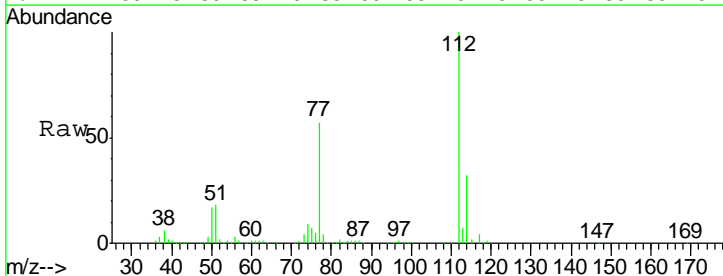
Tgt Ion:164 Resp:18070772

Ion	Ratio	Lower	Upper
164	100		
166	100.0	101.2	151.8#
129	100.0	68.8	103.2
131	100.0	65.2	97.8#

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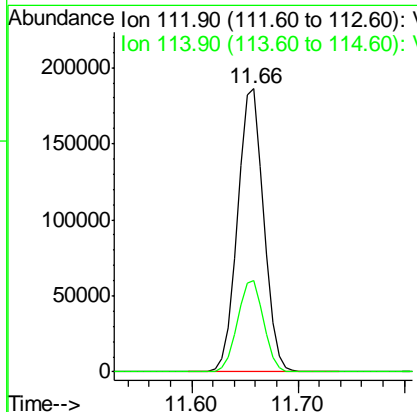
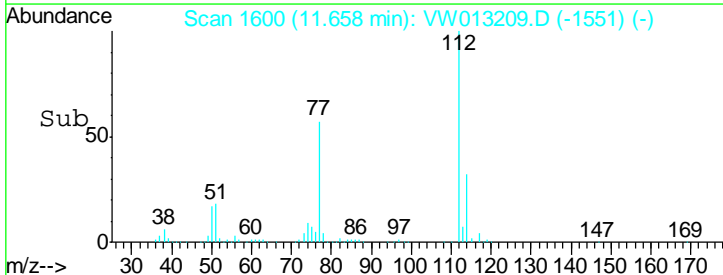


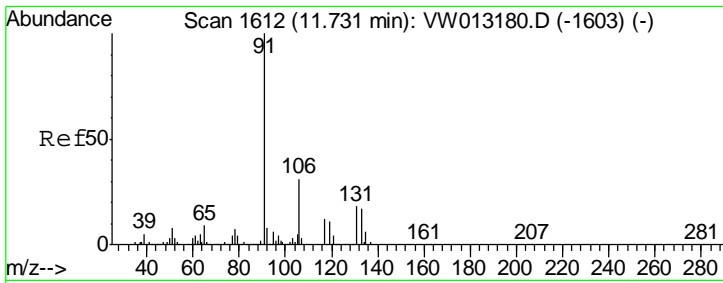
#65
 Chlorobenzene
 Concen: 43.851 ug/l
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29



Tgt Ion:112 Resp: 320857

Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.5	39.7





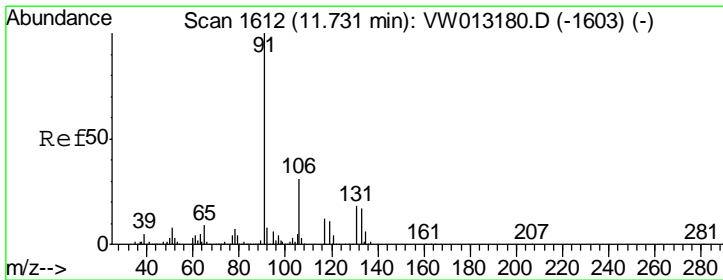
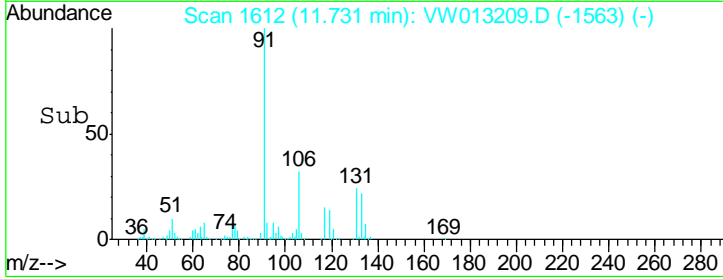
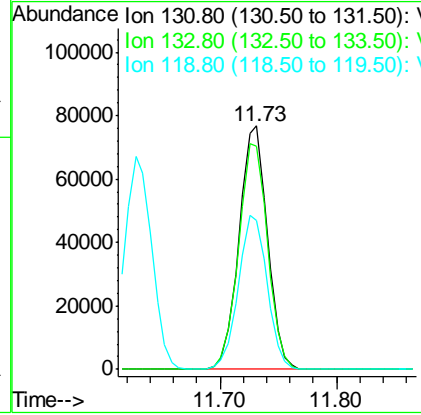
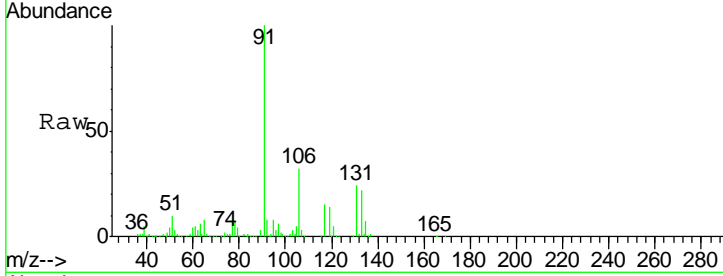
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.292 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.9	47.5	142.6
119	64.2	32.5	97.5

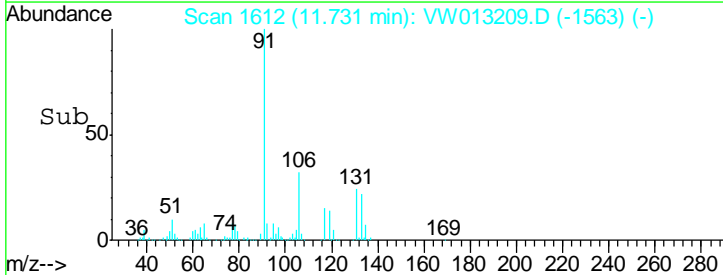
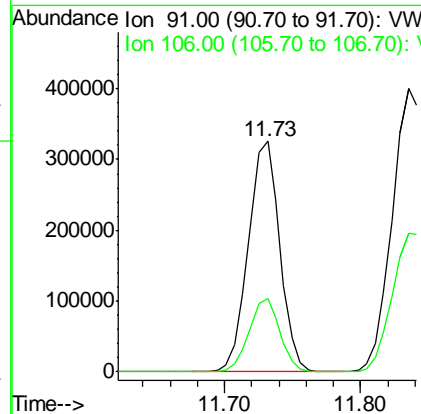
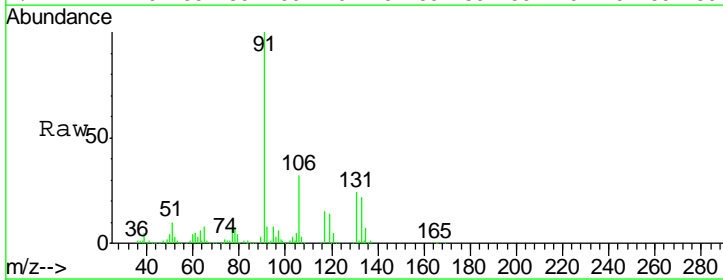
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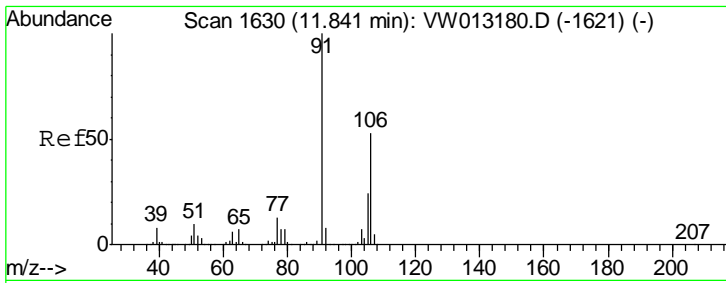
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#67
 Ethyl Benzene
 Concen: 39.818 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
91	100		
106	32.1	24.9	37.3



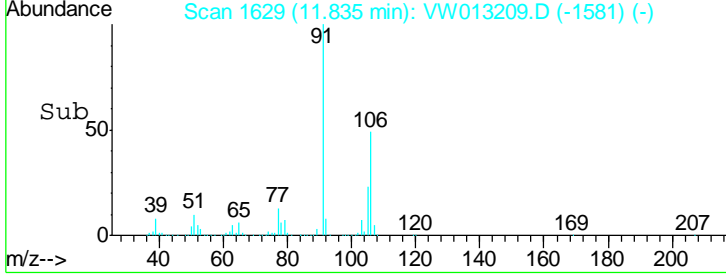
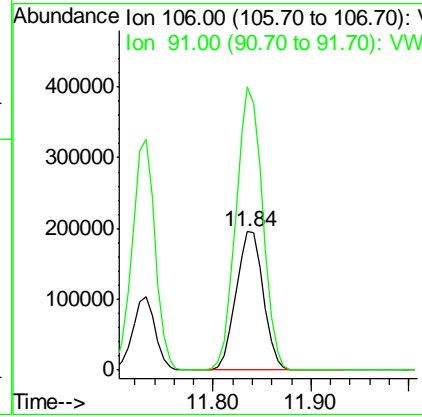
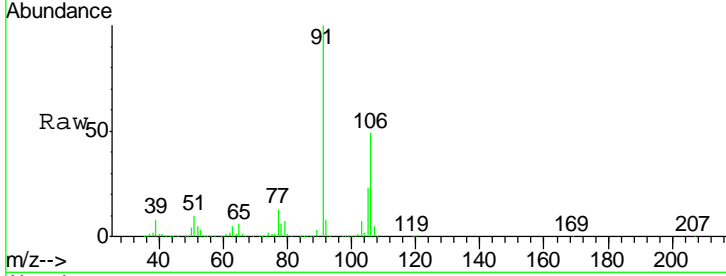


#68
 m/p-Xylenes
 Concen: 74.744 ug/l
 RT: 11.84 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

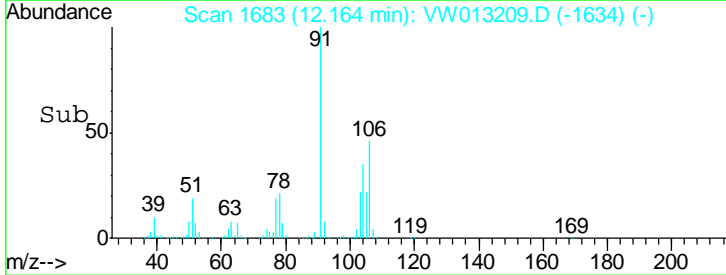
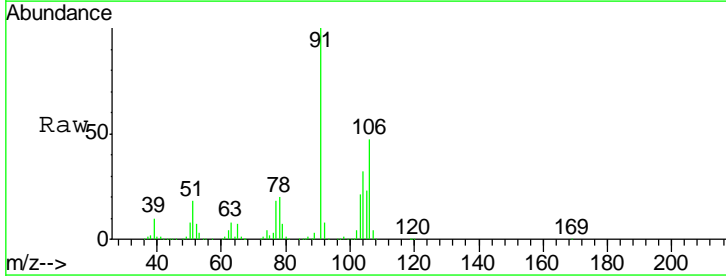
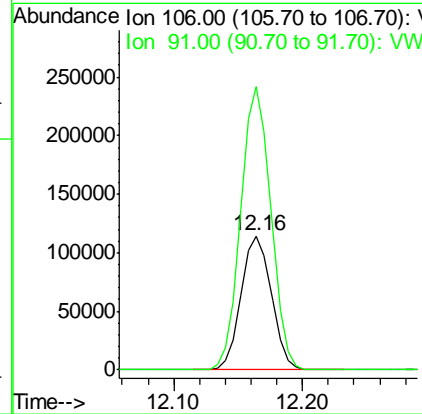
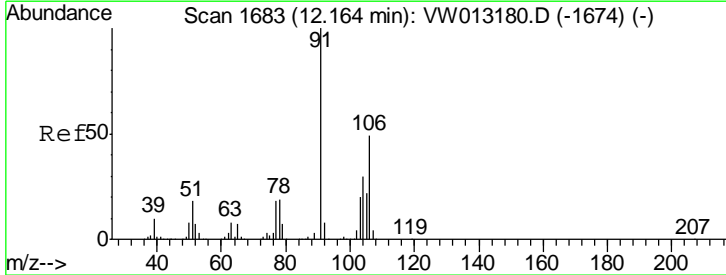
Tgt Ion	Resp	Lower	Upper
106	377600		
106	100		
91	199.5	157.9	236.9

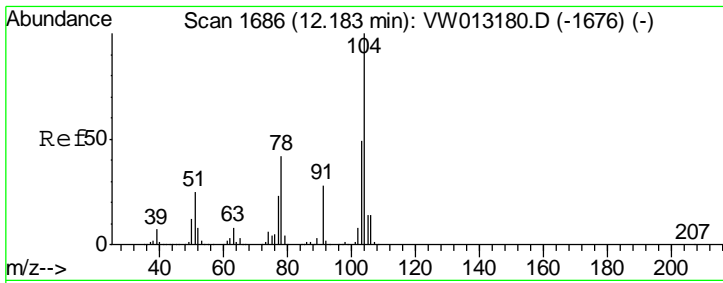
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#69
 o-Xylene
 Concen: 39.710 ug/l
 RT: 12.16 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
106	186513		
106	100		
91	210.0	106.5	319.5



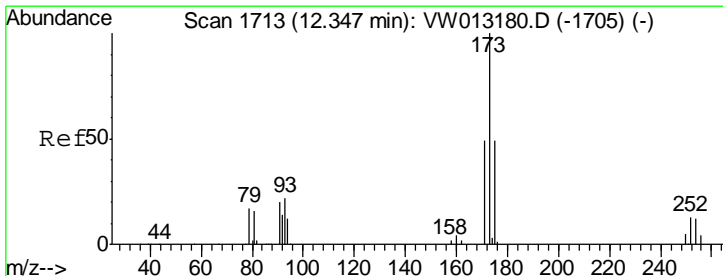
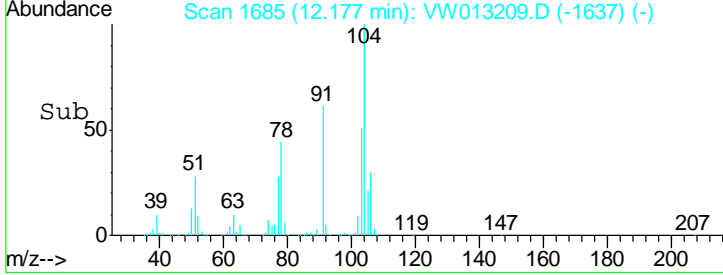
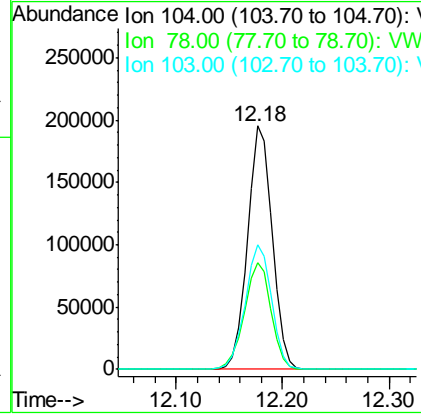
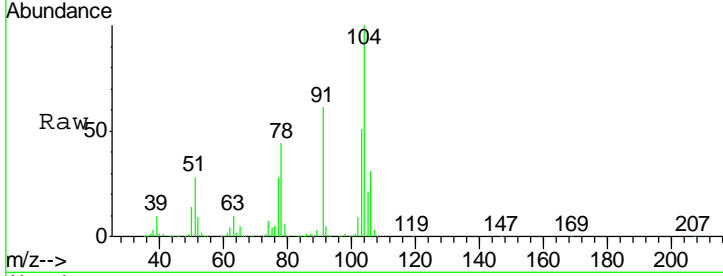


#70
 Styrene
 Concen: 39.460 ug/l
 RT: 12.18 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

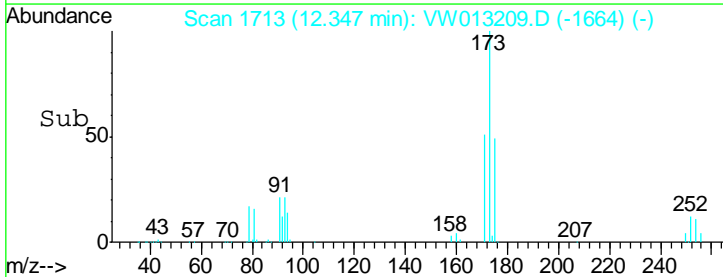
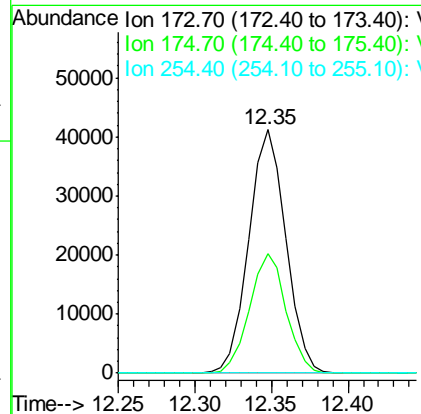
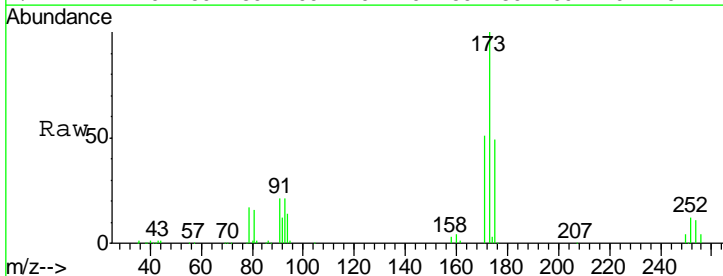
Tgt Ion	Resp	Lower	Upper
104	100		
78	47.3	38.4	57.6
103	54.8	43.3	64.9

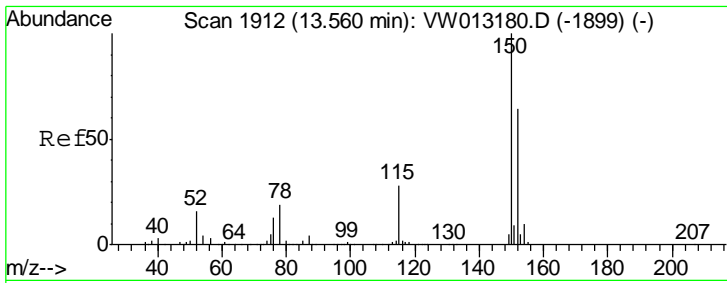
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#71
 Bromoform
 Concen: 52.453 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.0	0.1	0.1#



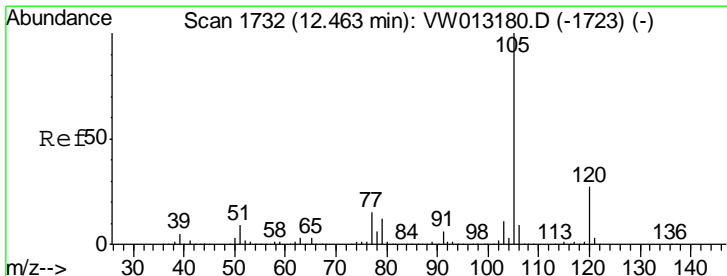
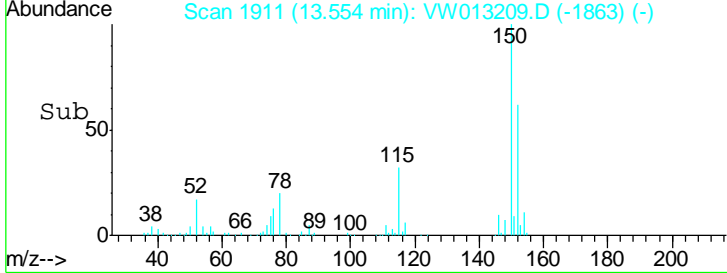
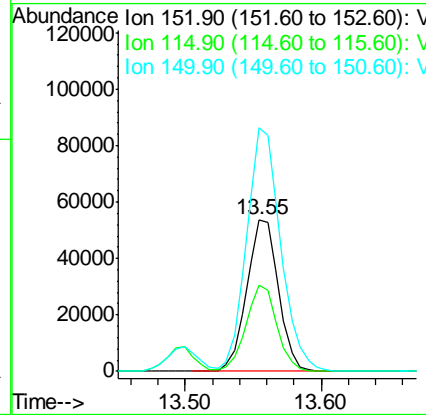
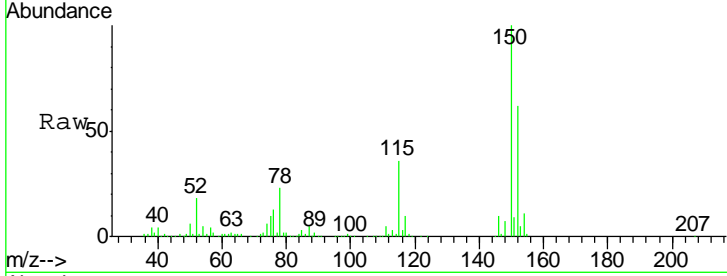


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MSD

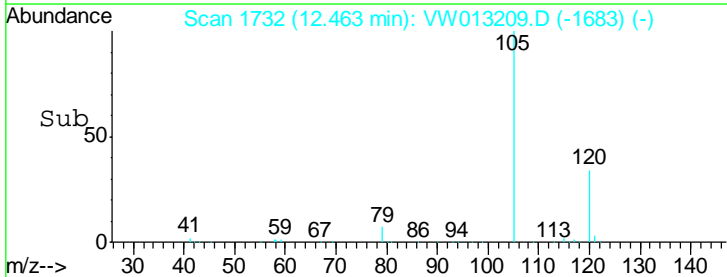
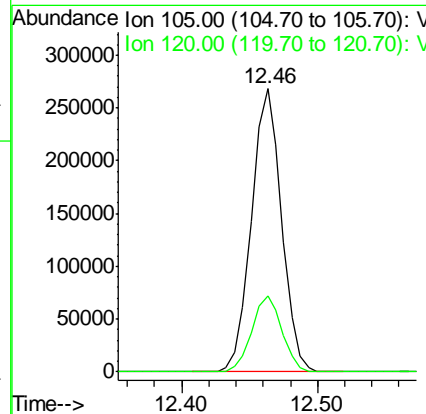
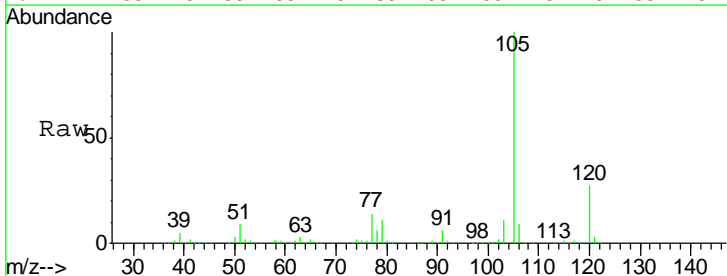
Tgt Ion	Resp	Lower	Upper
152	100		
115	55.2	27.3	81.9
150	172.7	0.0	349.0

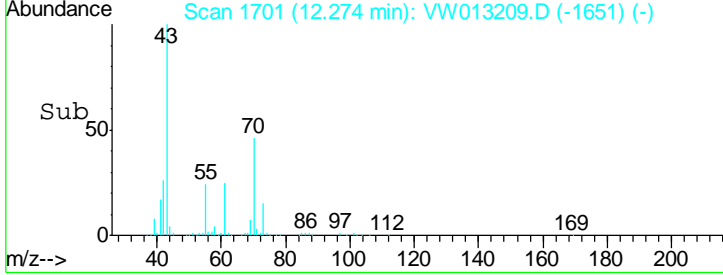
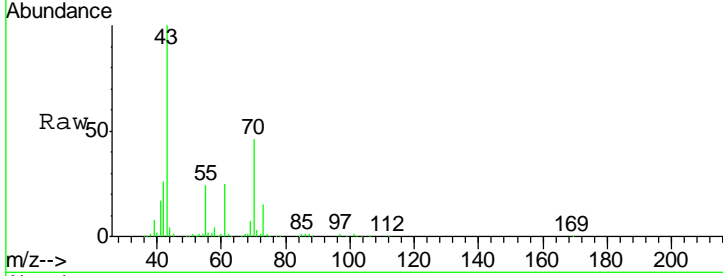
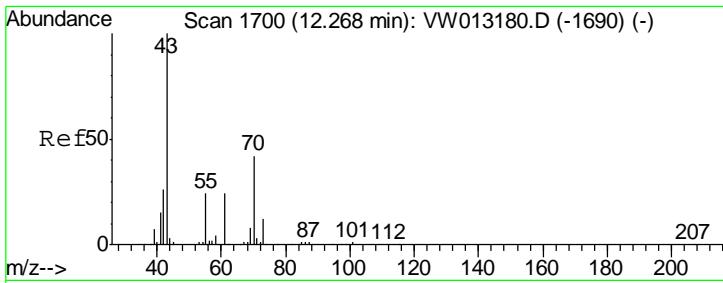
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#73
 Isopropylbenzene
 Concen: 64.357 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

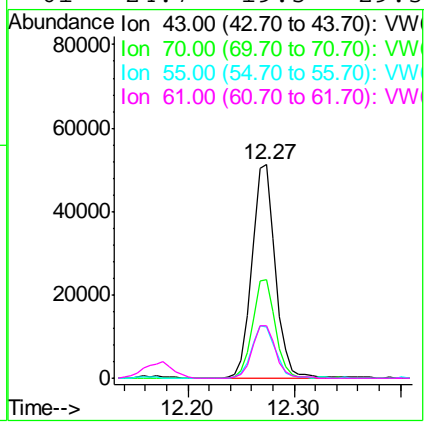
Tgt Ion	Resp	Lower	Upper
105	100		
120	26.7	13.4	40.1





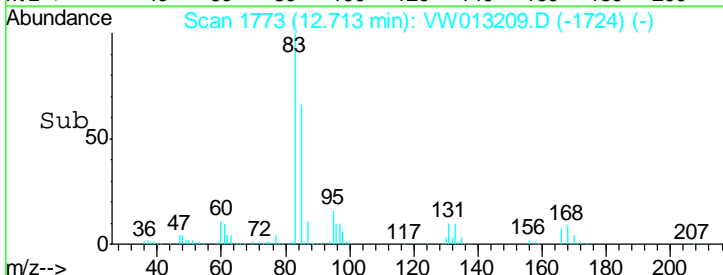
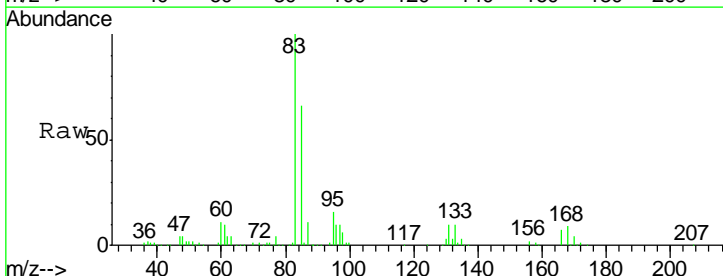
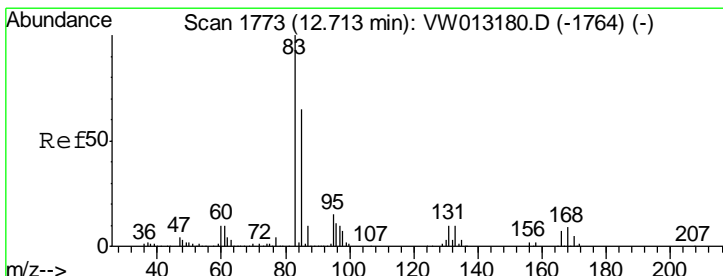
#74
 N-amyl acetate
 Concen: 55.129 ug/l
 RT: 12.27 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
43	100		
70	45.2	35.1	52.7
55	25.4	19.9	29.9
61	24.7	19.5	29.3



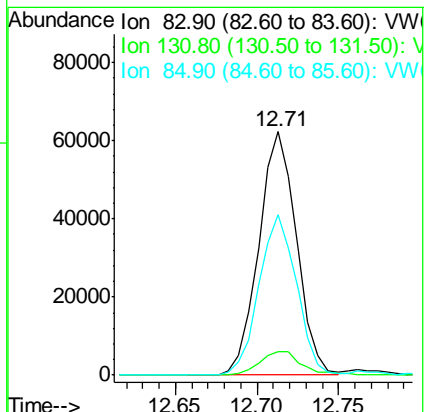
Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

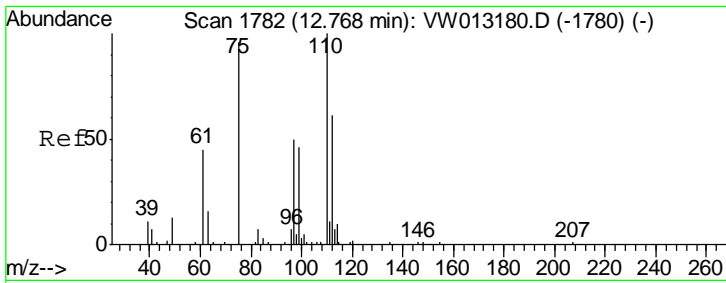
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 92.614 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	65.8	31.9	95.9



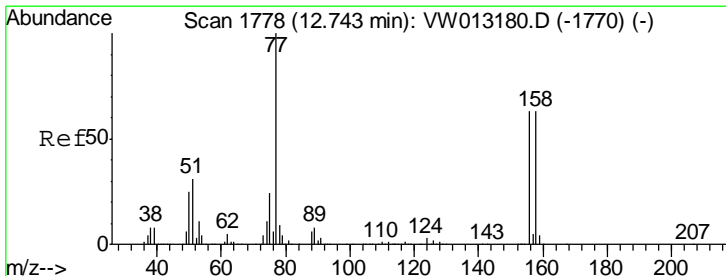
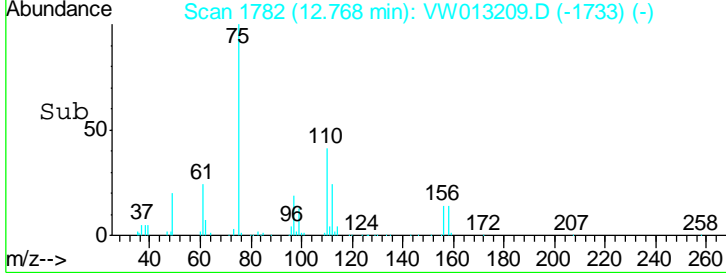
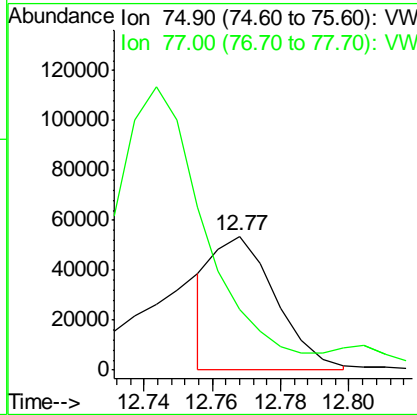
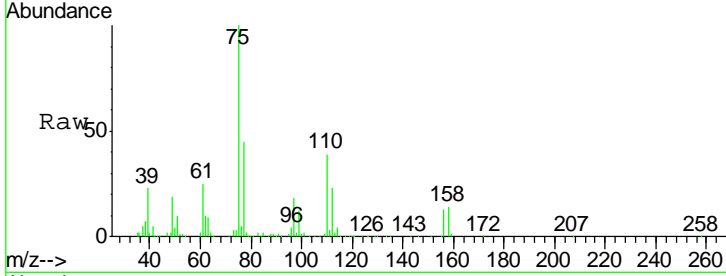


#76
 1,2,3-Trichloropropane
 Concen: 89.032 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MSD

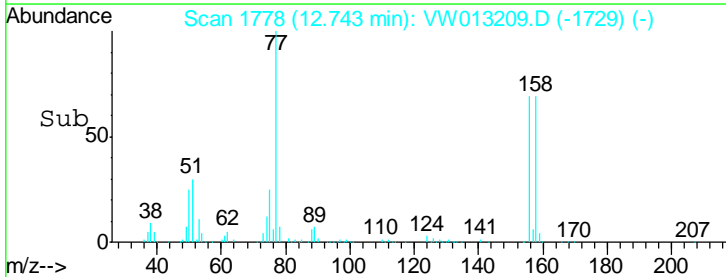
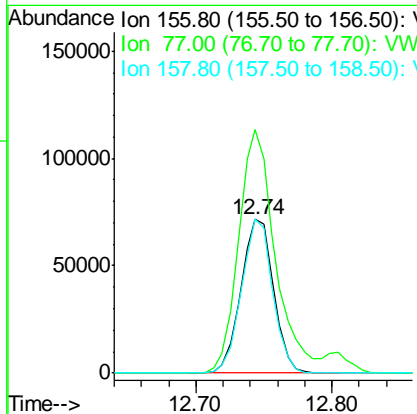
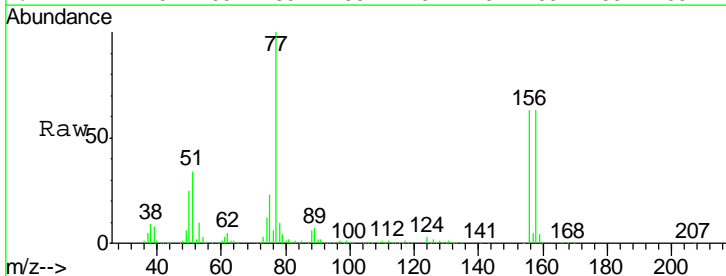
Tgt Ion	Resp	Lower	Upper
75	68767		
75	100		
77	0.0	0.0	0.0

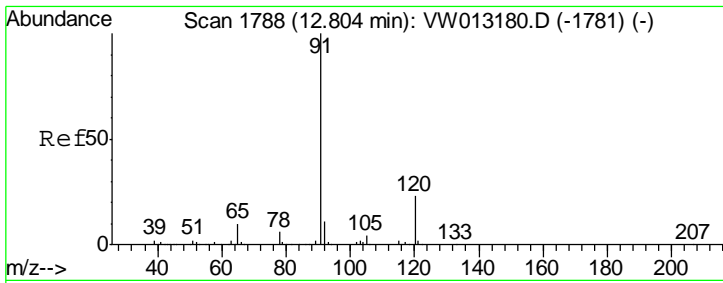
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#77
 Bromobenzene
 Concen: 78.270 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
156	119832		
156	100		
77	176.2	85.7	257.1
158	96.1	48.1	144.4



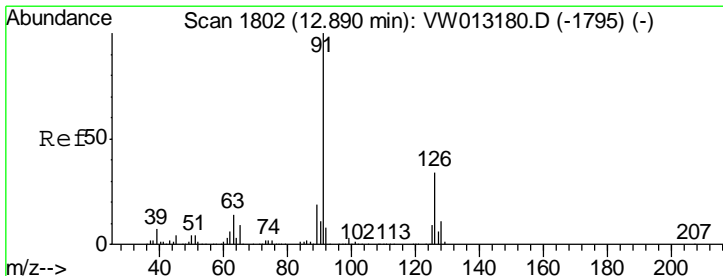
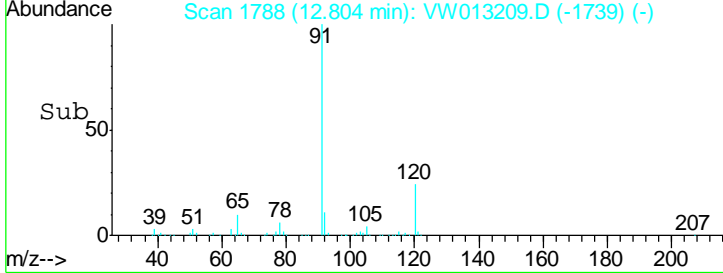
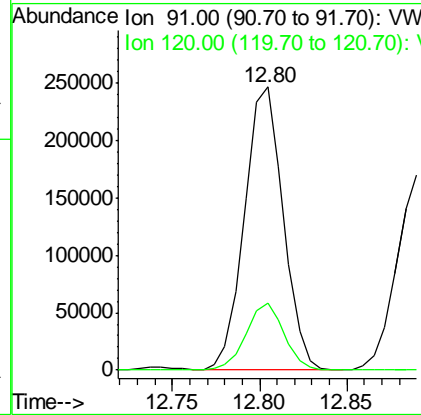
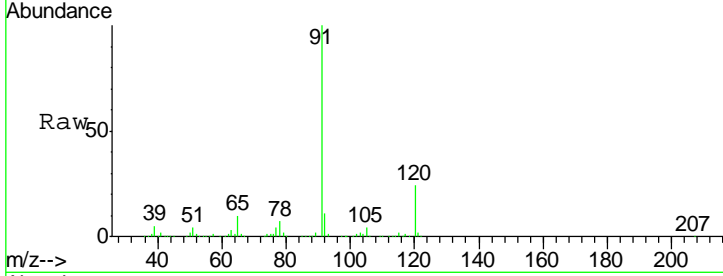


#78
 n-propylbenzene
 Concen: 50.017 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MSD

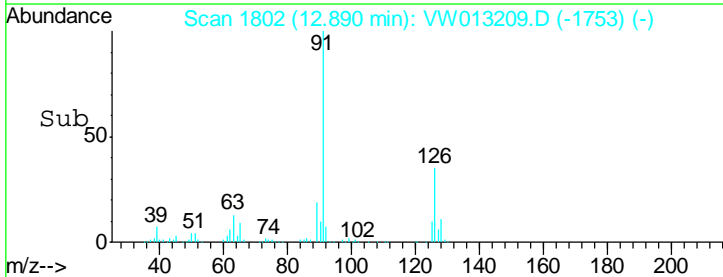
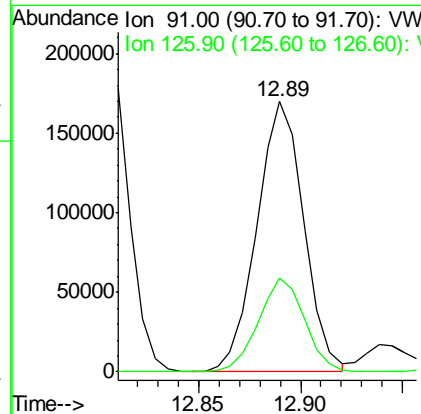
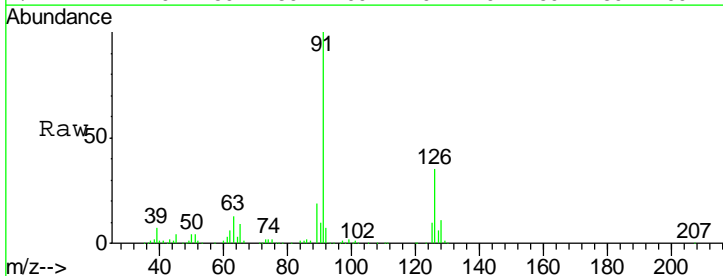
Tgt Ion	Resp	Lower	Upper
91	100		
120	23.1	11.7	35.1

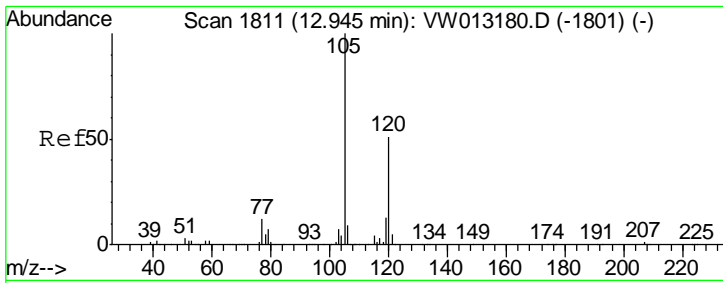
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#79
 2-Chlorotoluene
 Concen: 63.923 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.3	17.2	51.5





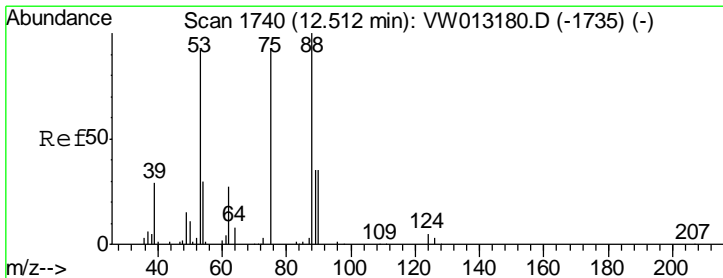
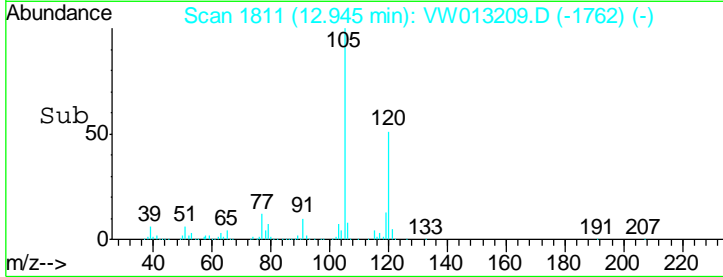
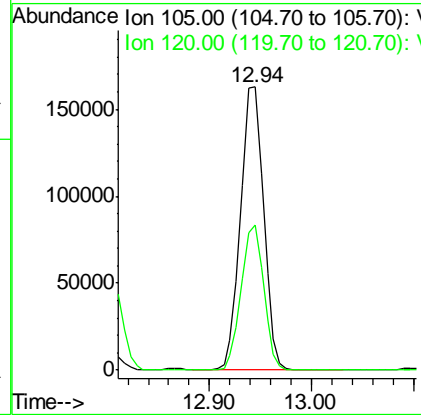
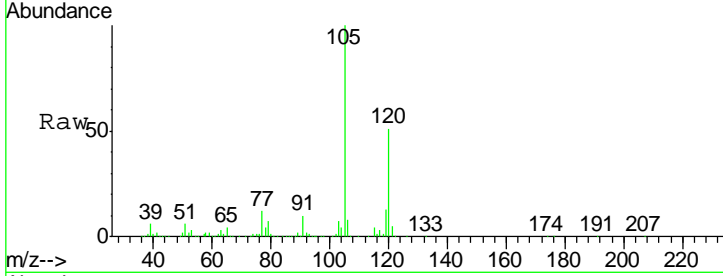
#80
 1,3,5-Trimethylbenzene
 Concen: 46.972 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

Tgt Ion	Resp	Lower	Upper
105	255103		
105	100		
120	50.1	24.9	74.8

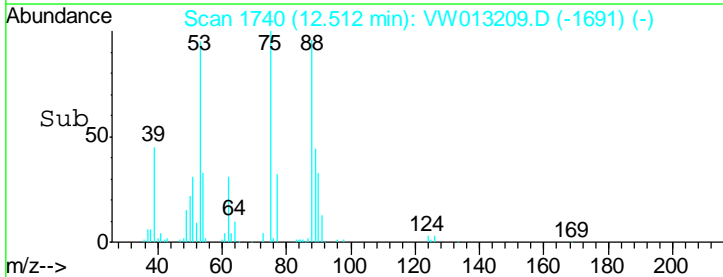
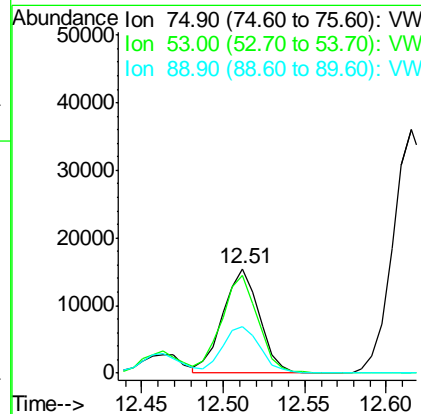
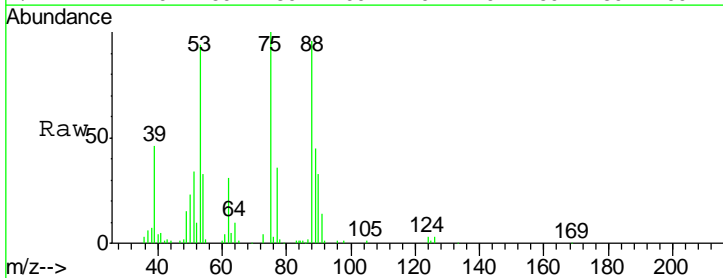
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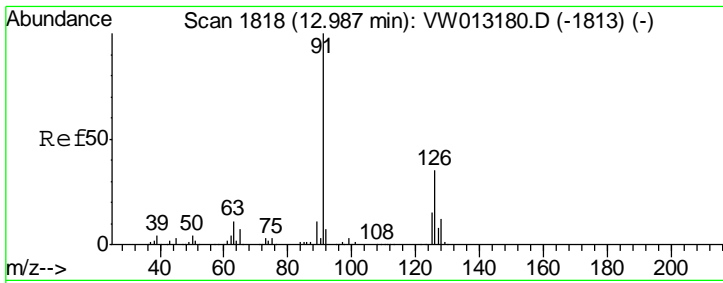
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.073 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
75	24120		
75	100		
53	93.5	76.6	114.8
89	44.9	33.5	50.3



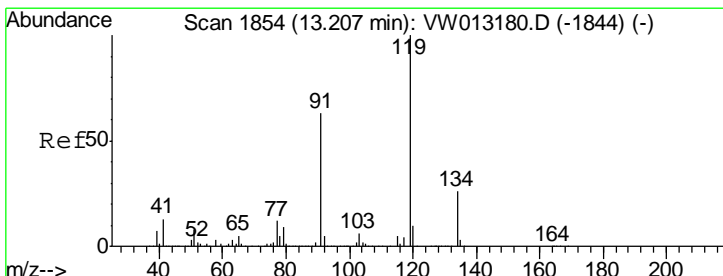
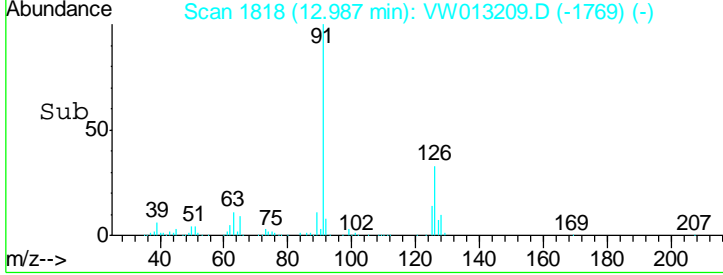
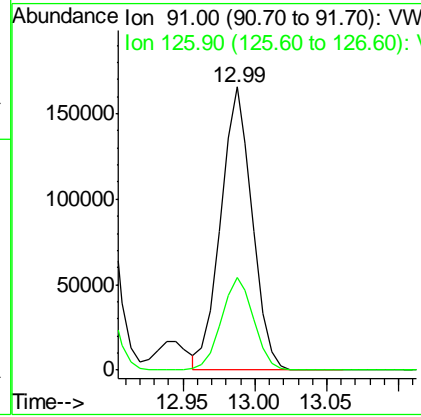
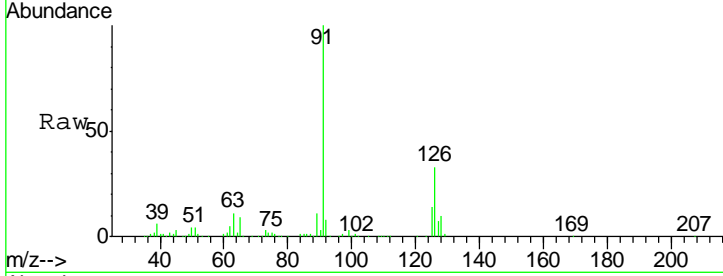


#82
 4-Chlorotoluene
 Concen: 56.682 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

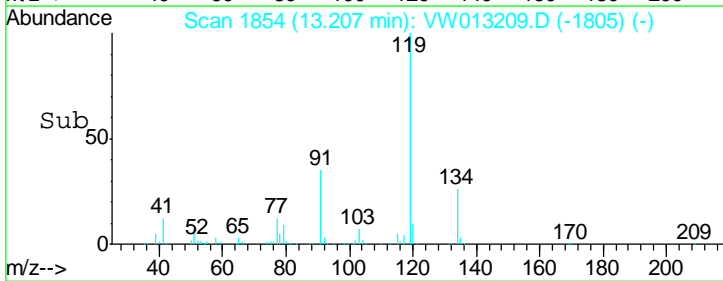
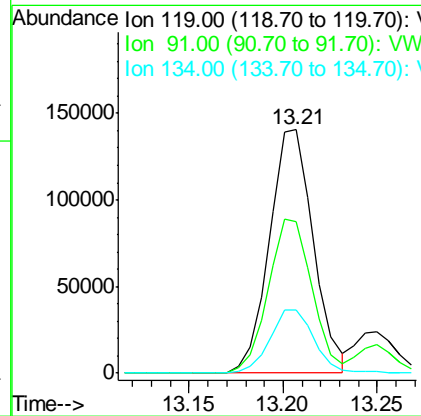
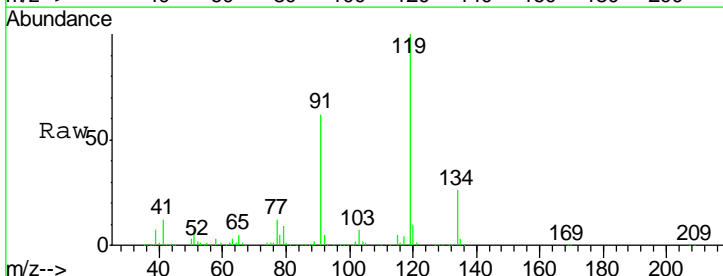
Tgt Ion: 91 Resp: 253245
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.3 51.7

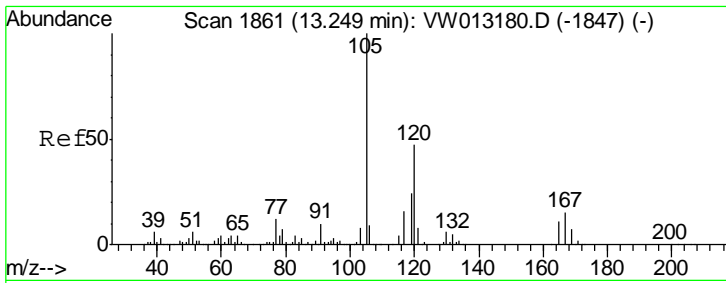
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#83
 tert-Butylbenzene
 Concen: 47.759 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion: 119 Resp: 227656
 Ion Ratio Lower Upper
 119 100
 91 63.0 30.7 92.1
 134 26.3 12.6 37.6





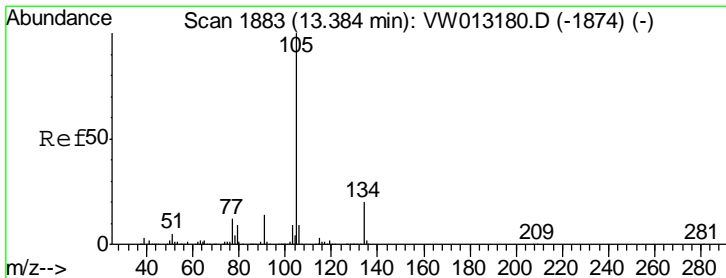
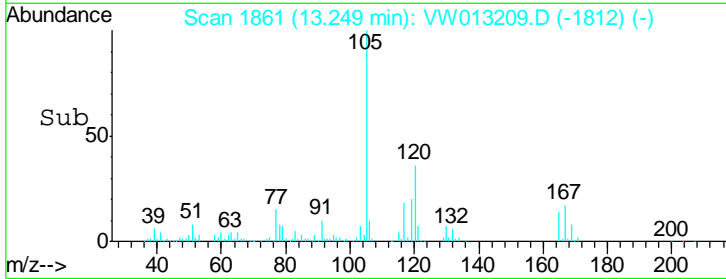
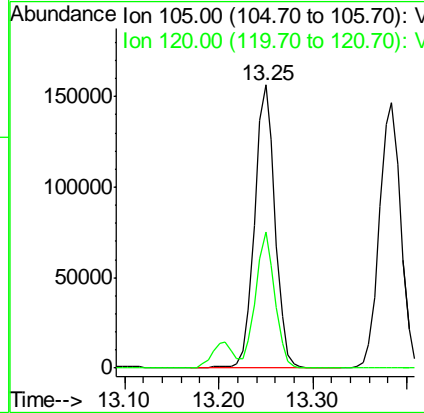
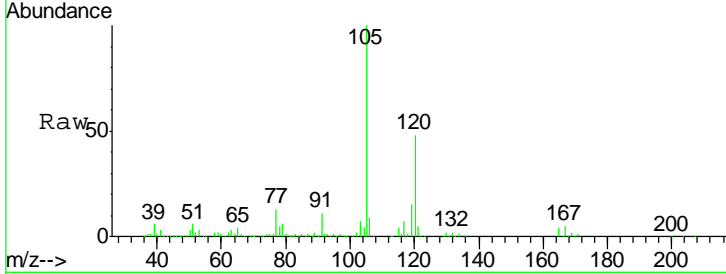
#84
 1,2,4-Trimethylbenzene
 Concen: 44.363 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD

Tgt Ion	Resp	Lower	Upper
105	100		
120	45.8	23.4	70.3

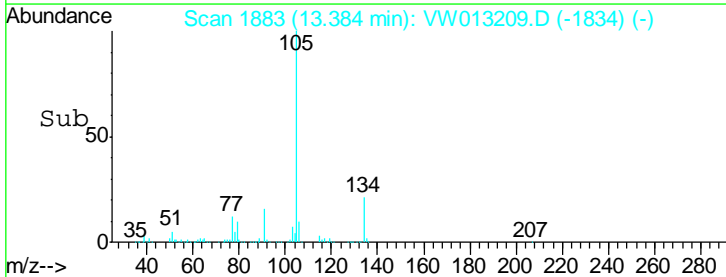
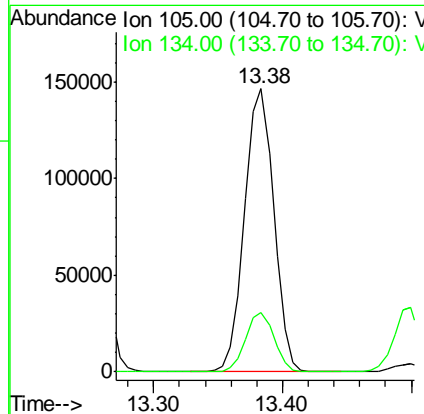
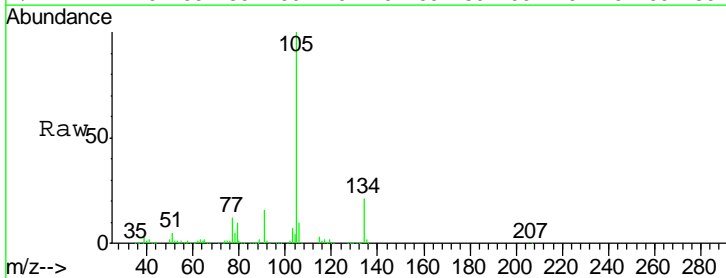
Manual Integrations
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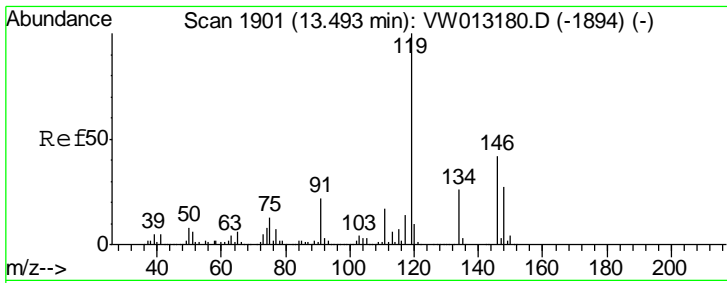
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#85
 sec-Butylbenzene
 Concen: 34.917 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.6	10.3	30.8



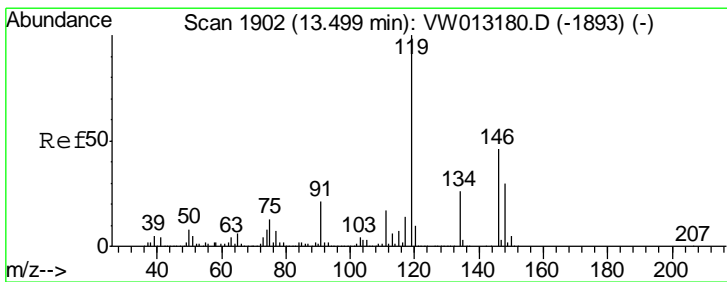
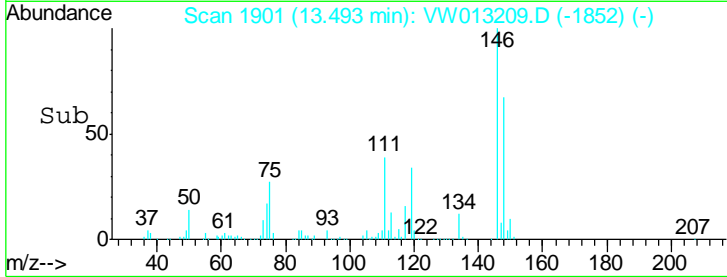
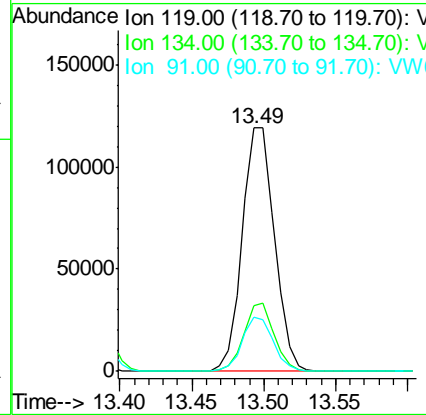
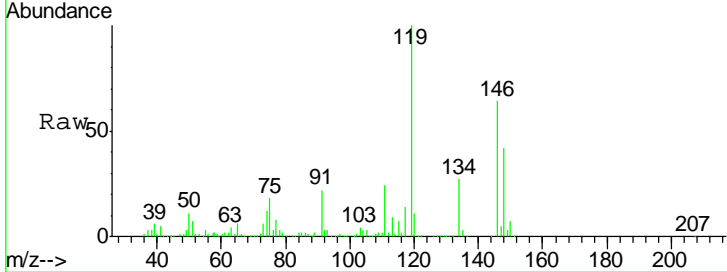


#86
 p-Isopropyltoluene
 Concen: 30.192 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

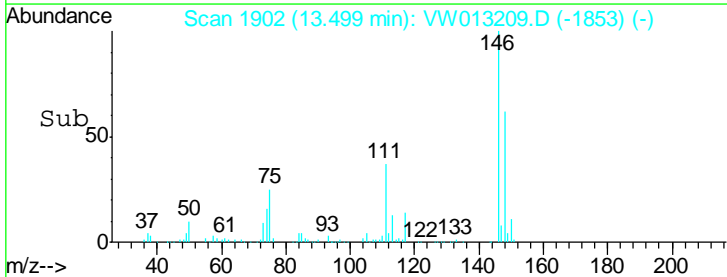
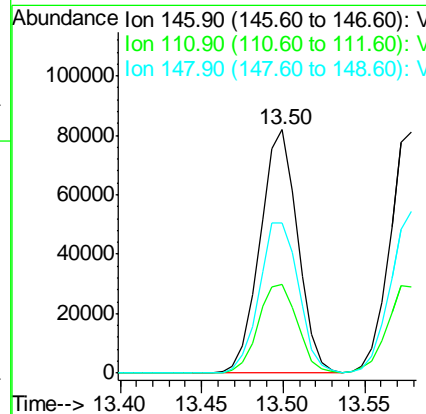
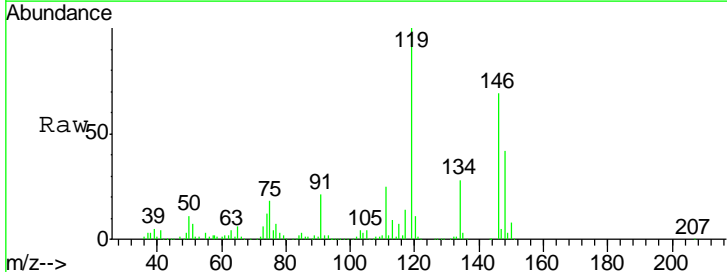
Tgt Ion	Resp	Lower	Upper
119	184034		
134	26.4	13.3	39.8
91	21.9	10.8	32.4

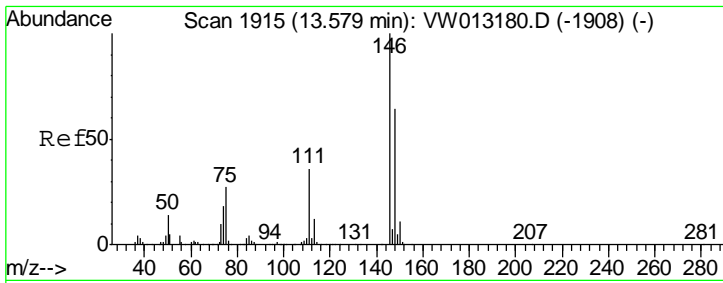
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#87
 1,3-Dichlorobenzene
 Concen: 44.619 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

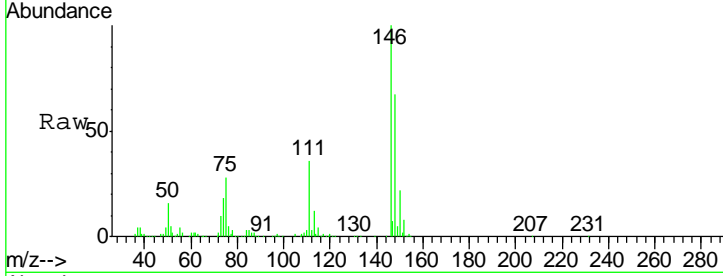
Tgt Ion	Resp	Lower	Upper
146	131473		
111	38.1	18.9	56.9
148	65.0	31.9	95.5





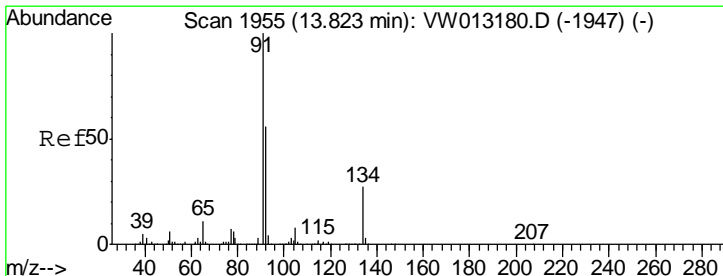
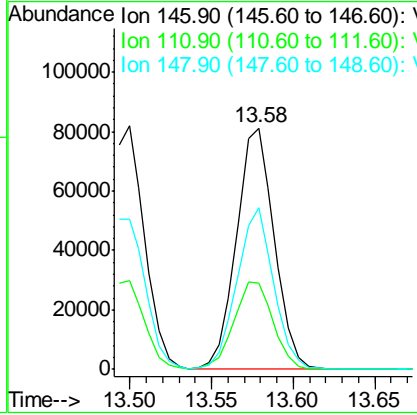
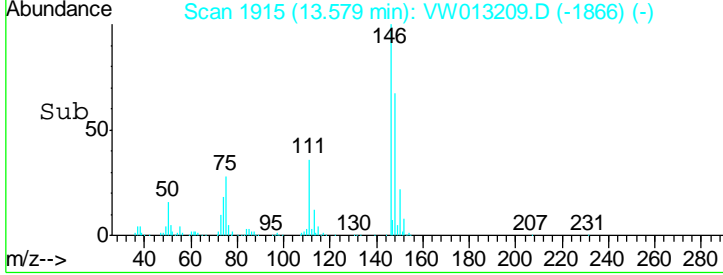
#88
 1,4-Dichlorobenzene
 Concen: 45.335 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 Client Sampled : 982-S-3-(19)MSD

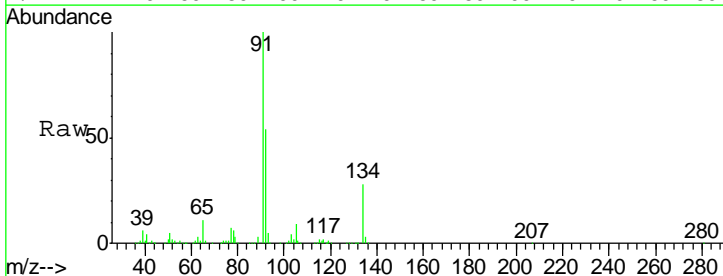


Tgt Ion	Resp	Lower	Upper
146	100		
111	37.3	18.4	55.0
148	64.9	32.1	96.3

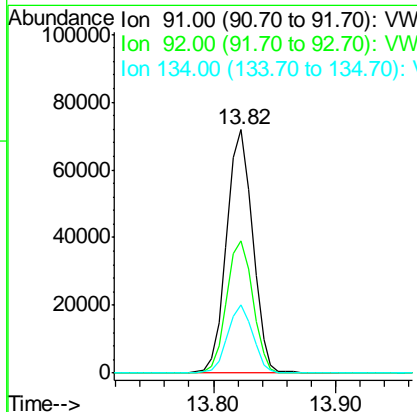
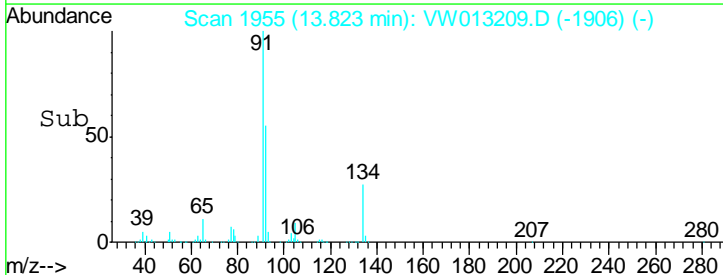
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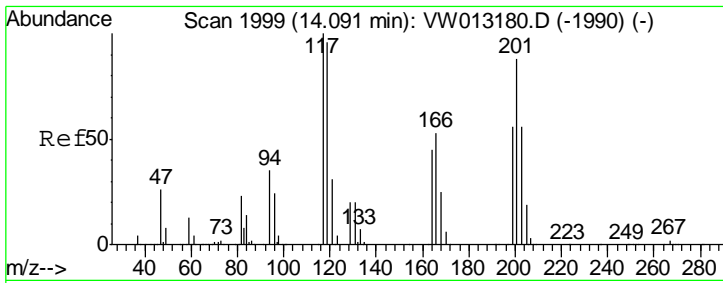


#89
 n-Butylbenzene
 Concen: 19.083 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29



Tgt Ion	Resp	Lower	Upper
91	100		
92	54.5	27.6	82.8
134	27.1	13.7	41.1



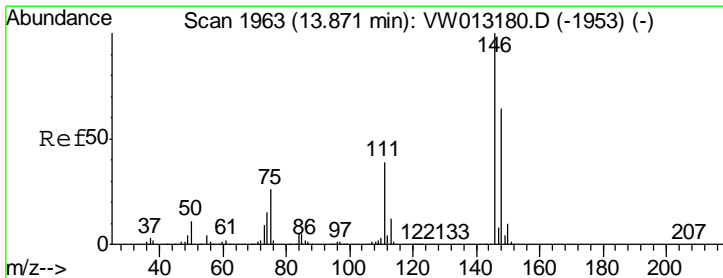
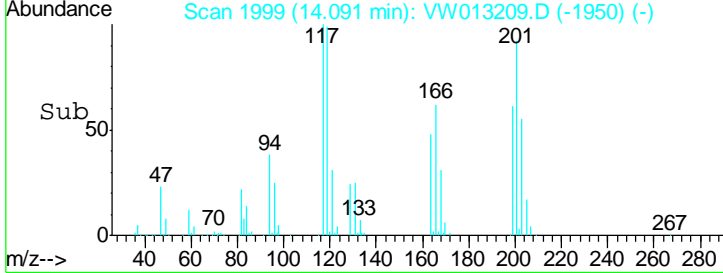
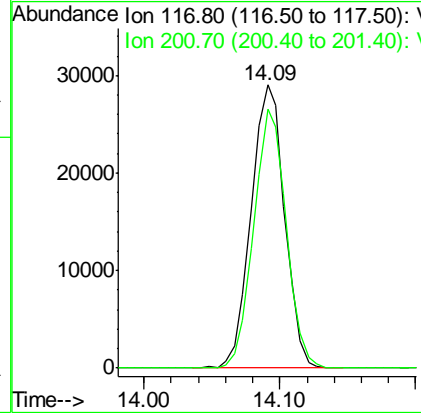
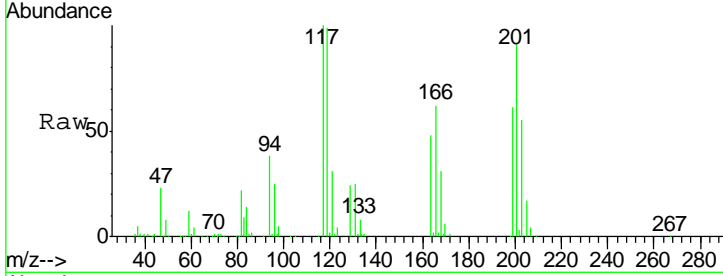


#90
 Hexachloroethane
 Concen: 48.814 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
 ClientSampled :
 982-S-3-(19)MSD

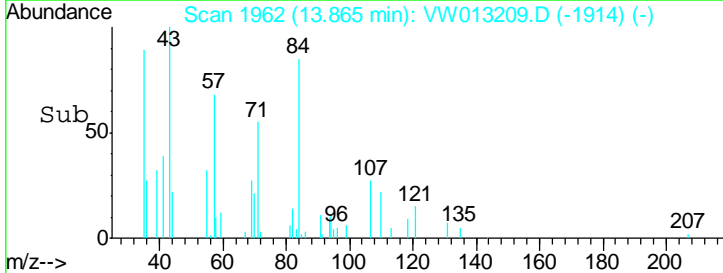
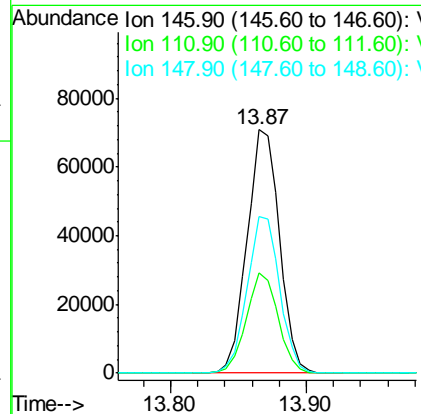
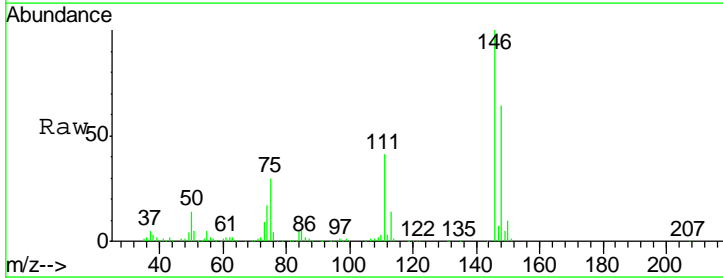
Tgt Ion	Resp	Lower	Upper
117	100		
201	89.0	44.5	133.5

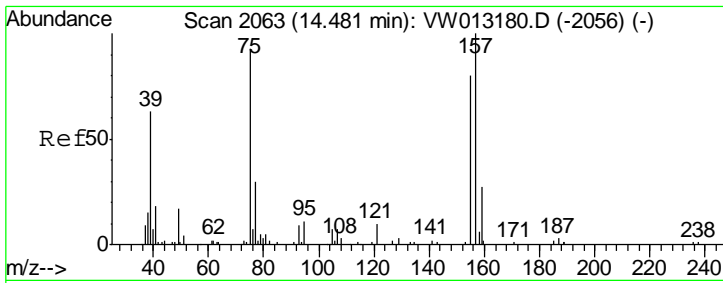
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#91
 1,2-Dichlorobenzene
 Concen: 46.476 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Tgt Ion	Resp	Lower	Upper
146	100		
111	40.4	20.1	60.3
148	64.3	32.0	96.0



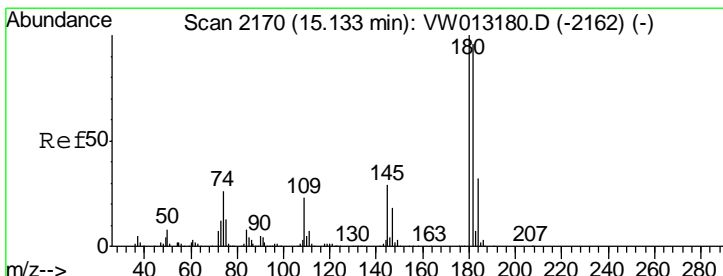
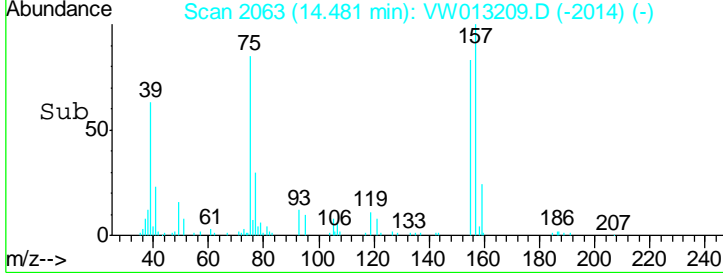
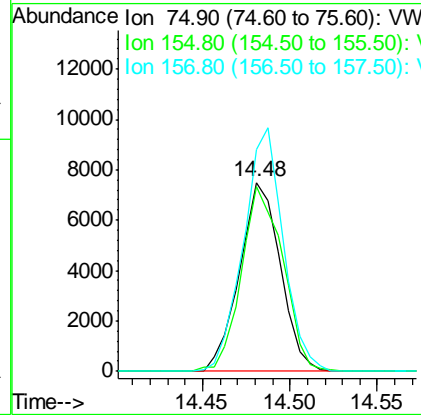
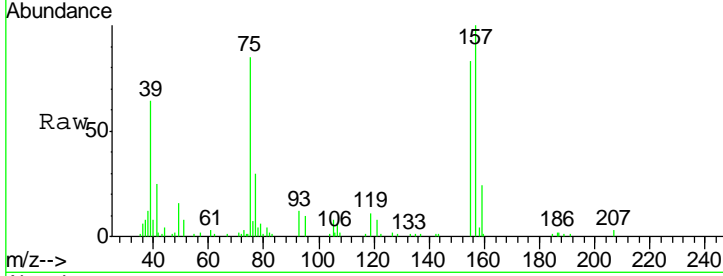


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.589 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument :
 MSVOA_W
 ClientSampleId :
 982-S-3-(19)MSD

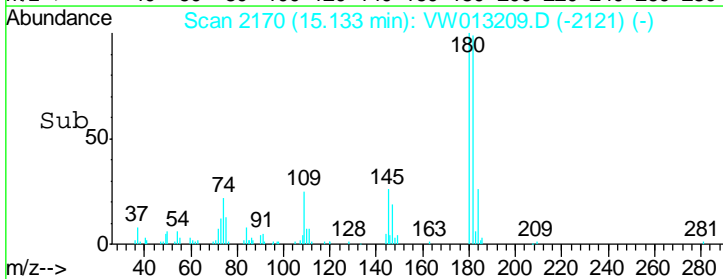
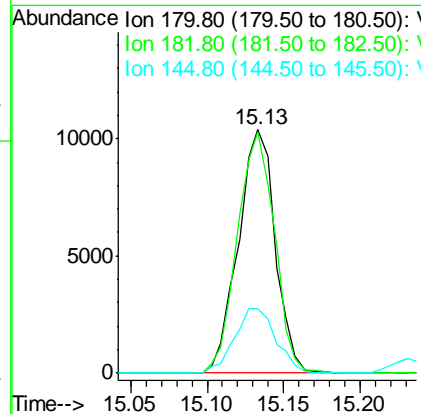
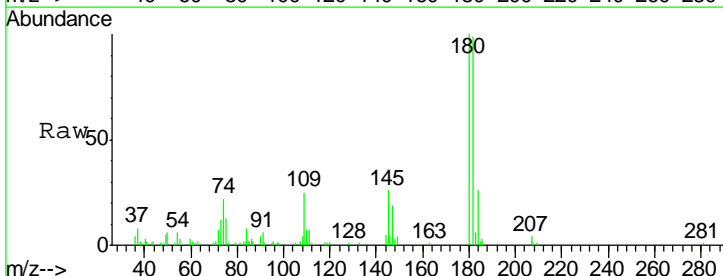
Tgt Ion	Resp	Lower	Upper
75	12162		
75	100		
155	99.5	46.1	138.3
157	126.0	60.4	181.2

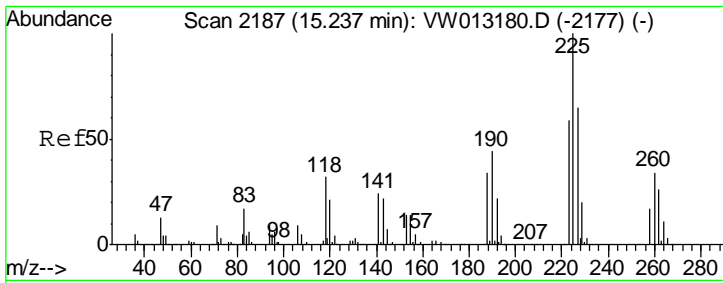
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#93
 1,2,4-Trichlorobenzene
 Concen: 9.498 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

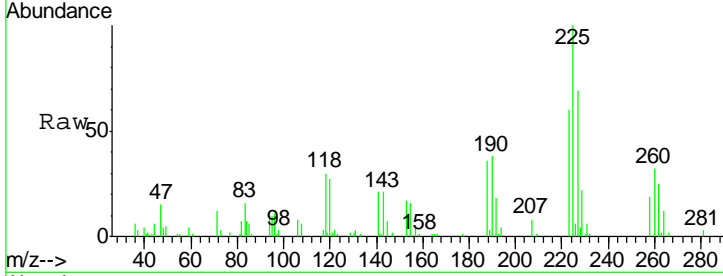
Tgt Ion	Resp	Lower	Upper
180	17350		
180	100		
182	99.6	47.3	142.0
145	29.7	14.2	42.8





#94
 Hexachlorobutadiene
 Concen: 9.181 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

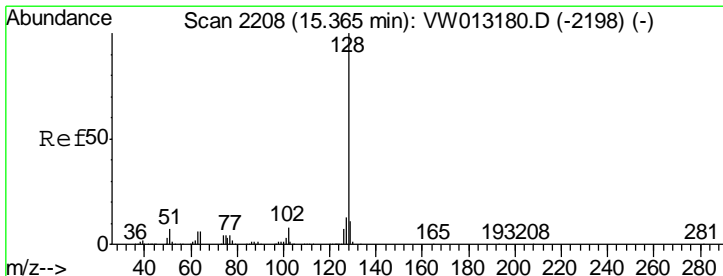
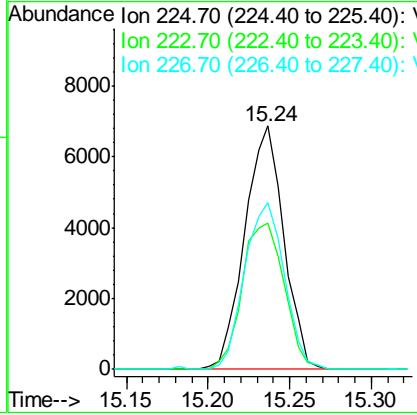
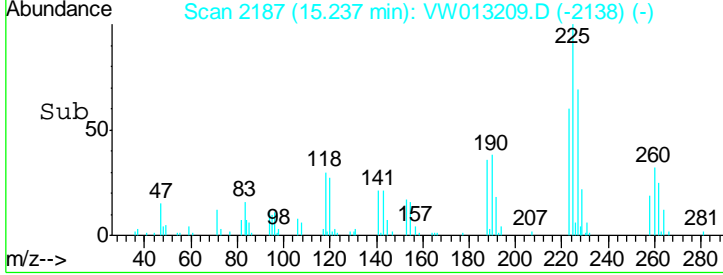
Instrument : MSVOA_W
 ClientSampled : 982-S-3-(19)MSD



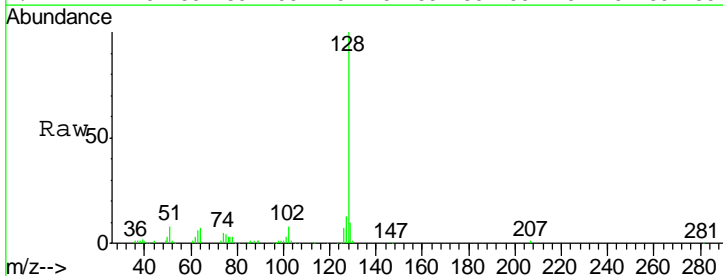
Tgt Ion: 225 Resp: 11473

Ion	Ratio	Lower	Upper
225	100		
223	64.5	30.6	91.8
227	69.5	31.9	95.9

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 MMDadoda
 9/24/2019 5:29:05 AM

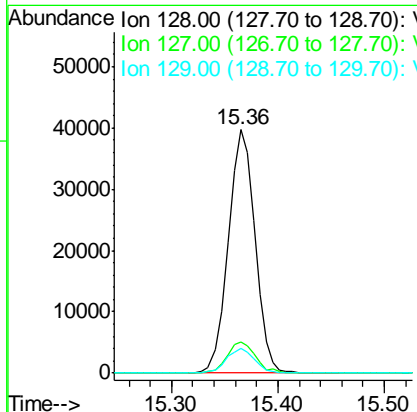
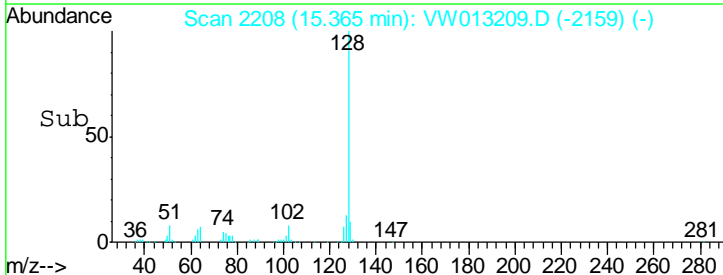


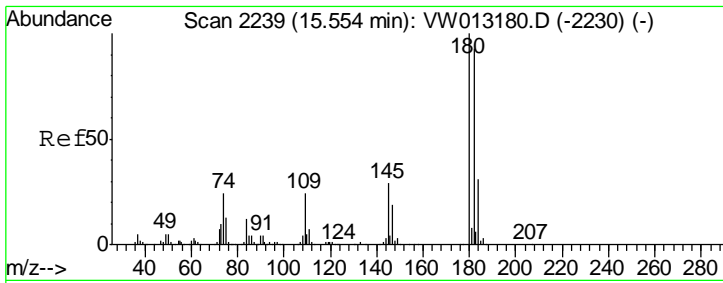
#95
 Naphthalene
 Concen: 23.405 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29



Tgt Ion: 128 Resp: 69923

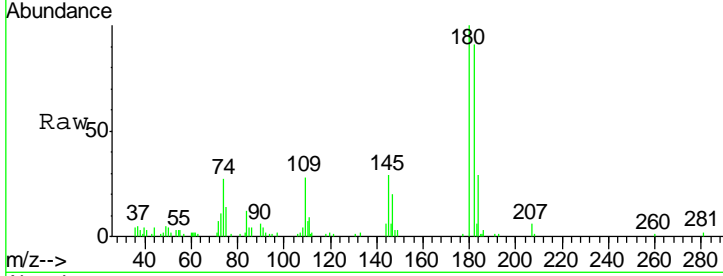
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.7	8.7	13.1





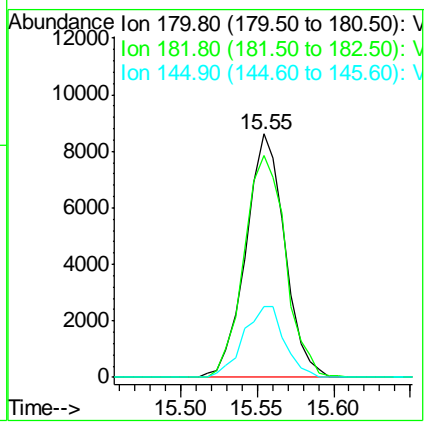
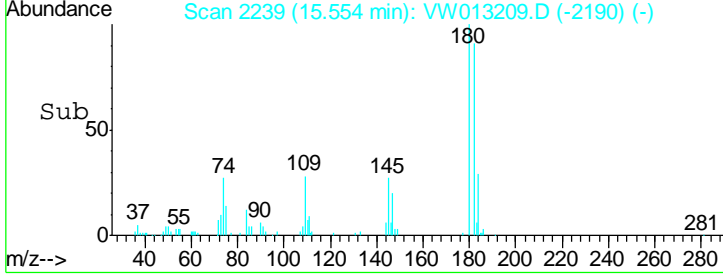
#96
 1,2,3-Trichlorobenzene
 Concen: 9.637 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW013209.D
 Acq: 21 Sep 2019 03:29

Instrument : MSVOA_W
 ClientSampleId : 982-S-3-(19)MSD



Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.7
145	30.5	15.0	45.0

Manual Integrations
APPROVED
 MMDadoda
 9/24/2019 5:29:05 AM



Manual Integration Report

Sequence:	VN091819	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN058152.D	1,1-Dichloroethane	Sweetuben	9/19/2019 9:46:03 AM	MMDadoda	9/20/2019 1:14:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VN058152.D	1,2,3-Trichloropropane	Sweetuben	9/19/2019 9:46:03 AM	MMDadoda	9/20/2019 1:14:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VN058152.D	1,4-Dichlorobenzene	Sweetuben	9/19/2019 9:46:03 AM	MMDadoda	9/20/2019 1:14:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VN058152.D	2,2-Dichloropropane	Sweetuben	9/19/2019 9:46:03 AM	MMDadoda	9/20/2019 1:14:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VN058152.D	Acrylonitrile	Sweetuben	9/19/2019 9:46:03 AM	MMDadoda	9/20/2019 1:14:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VN058152.D	Carbon Tetrachloride	Sweetuben	9/19/2019 9:46:03 AM	MMDadoda	9/20/2019 1:14:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VN058152.D	Ethyl Acetate	Sweetuben	9/19/2019 9:46:03 AM	MMDadoda	9/20/2019 1:14:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VN058152.D	Methacrylonitrile	Sweetuben	9/19/2019 9:46:03 AM	MMDadoda	9/20/2019 1:14:09 PM	Peak Integrated by Software incorrectly
VSTDICC005	VN058153.D	1,2,3-Trichloropropane	Sweetuben	9/19/2019 9:46:16 AM	MMDadoda	9/20/2019 1:14:13 PM	Peak Integrated by Software incorrectly
VSTDICC005	VN058153.D	Methacrylonitrile	Sweetuben	9/19/2019 9:46:16 AM	MMDadoda	9/20/2019 1:14:13 PM	Peak Integrated by Software incorrectly
VSTDICC020	VN058154.D	1,2,3-Trichloropropane	Sweetuben	9/19/2019 9:46:21 AM	MMDadoda	9/20/2019 1:14:19 PM	Peak Integrated by Software incorrectly
VSTDICC020	VN058154.D	Methacrylonitrile	Sweetuben	9/19/2019 9:46:21 AM	MMDadoda	9/20/2019 1:14:19 PM	Peak Integrated by Software incorrectly
VSTDICCC050	VN058155.D	1,2,3-Trichloropropane	Sweetuben	9/19/2019 9:46:26 AM	MMDadoda	9/20/2019 1:14:24 PM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VN091819	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC050	VN058155.D	Methacrylonitrile	Sweetuben	9/19/2019 9:46:26 AM	MMDadoda	9/20/2019 1:14:24 PM	Peak Integrated by Software incorrectly
VSTDICC100	VN058156.D	1,2,3-Trichloropropane	Sweetuben	9/19/2019 9:46:29 AM	MMDadoda	9/20/2019 1:14:29 PM	Peak Integrated by Software incorrectly
VSTDICC100	VN058156.D	Bromomethane	Sweetuben	9/19/2019 9:46:29 AM	MMDadoda	9/20/2019 1:14:29 PM	Peak Integrated by Software incorrectly
VSTDICC150	VN058157.D	1,2,3-Trichloropropane	Sweetuben	9/19/2019 9:46:34 AM	MMDadoda	9/20/2019 1:14:33 PM	Peak Integrated by Software incorrectly
VSTDICC150	VN058157.D	Bromomethane	Sweetuben	9/19/2019 9:46:34 AM	MMDadoda	9/20/2019 1:14:33 PM	Peak Integrated by Software incorrectly
VSTDICC150	VN058157.D	Methacrylonitrile	Sweetuben	9/19/2019 9:46:34 AM	MMDadoda	9/20/2019 1:14:33 PM	Peak Integrated by Software incorrectly
VSTDICV050	VN058158.D	1,2,3-Trichloropropane	john	9/20/2019 1:14:10 PM	MMDadoda	9/20/2019 1:43:24 PM	Peak Integrated by Software incorrectly
VSTDICV050	VN058158.D	Methacrylonitrile	john	9/20/2019 1:14:10 PM	MMDadoda	9/20/2019 1:43:24 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN058160.D	1,2,3-Trichloropropane	john	9/20/2019 1:14:14 PM	MMDadoda	9/20/2019 1:43:34 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN058187.D	1,2,3-Trichloropropane	john	9/20/2019 1:14:38 PM	MMDadoda	9/20/2019 1:44:26 PM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VN092319	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN058275.D	1,2,3-Trichloropropane	Sweetuben	9/24/2019 8:47:28 AM	MMDadoda	9/25/2019 12:47:31 AM	Peak Integrated by Software incorrectly
VN0923MBS01	VN058287.D	1,2,3-Trichloropropane	Sweetuben	9/24/2019 9:12:34 AM	MMDadoda	9/25/2019 12:47:39 AM	Peak Integrated by Software incorrectly
K4939-07ME	VN058288.D	Styrene	Sweetuben	9/24/2019 9:12:42 AM	MMDadoda	9/25/2019 12:47:41 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VN058305.D	1,2,3-Trichloropropane	Sweetuben	9/24/2019 9:14:10 AM	MMDadoda	9/25/2019 12:49:34 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VN058305.D	Methacrylonitrile	Sweetuben	9/24/2019 9:14:10 AM	MMDadoda	9/25/2019 12:49:34 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VN058307.D	1,2,3-Trichloropropane	Sweetuben	9/24/2019 9:14:15 AM	MMDadoda	9/25/2019 12:49:36 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VN058307.D	Methacrylonitrile	Sweetuben	9/24/2019 9:14:15 AM	MMDadoda	9/25/2019 12:49:36 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VN058334.D	1,2,3-Trichloropropane	Sweetuben	9/24/2019 10:08:50 AM	MMDadoda	9/25/2019 12:49:58 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VW092019	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VW013177.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:33 AM	MMDadoda	9/24/2019 5:28:40 AM	Peak Integrated by Software incorrectly
VSTDIC005	VW013177.D	Tert butyl alcohol	Vimala	9/23/2019 9:22:33 AM	MMDadoda	9/24/2019 5:28:40 AM	Peak Integrated by Software incorrectly
VSTDIC010	VW013178.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:37 AM	MMDadoda	9/24/2019 5:28:42 AM	Peak Integrated by Software incorrectly
VSTDIC010	VW013178.D	Tert butyl alcohol	Vimala	9/23/2019 9:22:37 AM	MMDadoda	9/24/2019 5:28:42 AM	Peak Integrated by Software incorrectly
VSTDIC020	VW013179.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:40 AM	MMDadoda	9/24/2019 5:28:43 AM	Peak Integrated by Software incorrectly
VSTDIC020	VW013179.D	Tert butyl alcohol	Vimala	9/23/2019 9:22:40 AM	MMDadoda	9/24/2019 5:28:43 AM	Peak Integrated by Software incorrectly
VSTDICCC050	VW013180.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:12 AM	MMDadoda	9/24/2019 5:28:45 AM	Peak Integrated by Software incorrectly
VSTDIC100	VW013181.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:43 AM	MMDadoda	9/24/2019 5:28:48 AM	Peak Integrated by Software incorrectly
VSTDIC100	VW013181.D	Tert butyl alcohol	Vimala	9/23/2019 9:22:43 AM	MMDadoda	9/24/2019 5:28:48 AM	Peak Integrated by Software incorrectly
VSTDIC150	VW013182.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:15 AM	MMDadoda	9/24/2019 5:28:49 AM	Peak Integrated by Software incorrectly
VSTDICV050	VW013183.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:46 AM	MMDadoda	9/24/2019 5:28:51 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VW013195.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:48 AM	MMDadoda	9/24/2019 5:28:57 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VW013197.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:54 AM	MMDadoda	9/24/2019 5:28:58 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VW092019	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VW0920SBS02	VW013199.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:30 AM	MMDadoda	9/24/2019 5:29:00 AM	Peak Integrated by Software incorrectly
VW0920SBS02	VW013199.D	Tert butyl alcohol	Vimala	9/23/2019 9:23:30 AM	MMDadoda	9/24/2019 5:29:00 AM	Peak Integrated by Software incorrectly
K4939-02MS	VW013208.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:22:58 AM	MMDadoda	9/24/2019 5:29:04 AM	Peak Integrated by Software incorrectly
K4939-02MS	VW013208.D	Dibromochloromethane	Vimala	9/23/2019 9:22:58 AM	MMDadoda	9/24/2019 5:29:04 AM	Peak Integrated by Software incorrectly
K4939-03MSD	VW013209.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:01 AM	MMDadoda	9/24/2019 5:29:05 AM	Peak Integrated by Software incorrectly
K4939-03MSD	VW013209.D	Dibromochloromethane	Vimala	9/23/2019 9:23:01 AM	MMDadoda	9/24/2019 5:29:05 AM	Peak Integrated by Software incorrectly
K4939-06	VW013212.D	Tetrachloroethene	Vimala	9/23/2019 9:23:37 AM	MMDadoda	9/24/2019 5:29:06 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VW013219.D	1,2,3-Trichloropropane	Vimala	9/23/2019 9:23:40 AM	MMDadoda	9/24/2019 5:29:25 AM	Peak Integrated by Software incorrectly

Daily Analysis Runlog For Sequence/QC Batch ID # VN091819

Review By	Sweetuben	Review On	9/19/2019 10:22:59 AM		
Supervise By	MMDadoda	Supervise On	9/20/2019 1:13:56 PM		
SubDirectory	VN091819	HP Acquire Method	MSVOA_N	HP Processing Method	82n091819w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP86866,VP86867				
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874				
CCC	VP86876,VP86877				
Internal Standard/PEM	VP86799				
ICV/I.BLK	VP86875				

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VN058151.D	18 Sep 2019 8:30	JC/SP	Ok
2	VSTDIC001	VN058152.D	18 Sep 2019 9:21	JC/SP	Ok,M
3	VSTDIC005	VN058153.D	18 Sep 2019 9:43	JC/SP	Ok,M
4	VSTDIC020	VN058154.D	18 Sep 2019 10:05	JC/SP	Ok,M
5	VSTDIC050	VN058155.D	18 Sep 2019 10:27	JC/SP	Ok,M
6	VSTDIC100	VN058156.D	18 Sep 2019 10:49	JC/SP	Ok,M
7	VSTDIC150	VN058157.D	18 Sep 2019 11:11	JC/SP	Ok,M
8	VSTDICV050	VN058158.D	18 Sep 2019 13:10	JC/SP	Ok,M
9	BFB	VN058159.D	18 Sep 2019 13:32	JC/SP	Ok
10	VSTDIC050	VN058160.D	18 Sep 2019 14:06	JC/SP	Ok,M
11	VN0918WBL01	VN058161.D	18 Sep 2019 15:01	JC/SP	Ok
12	K4899-01	VN058162.D	18 Sep 2019 15:23	JC/SP	Ok
13	K4899-02	VN058163.D	18 Sep 2019 15:46	JC/SP	Ok
14	K4899-03	VN058164.D	18 Sep 2019 16:08	JC/SP	Ok
15	K4899-04	VN058165.D	18 Sep 2019 16:30	JC/SP	Ok
16	PB123193TB	VN058166.D	18 Sep 2019 16:52	JC/SP	Ok,M
17	PB123195TB	VN058167.D	18 Sep 2019 17:14	JC/SP	Ok
18	VN0918WBS01	VN058168.D	18 Sep 2019 17:36	JC/SP	Ok,M
19	K4668-11	VN058169.D	18 Sep 2019 17:58	JC/SP	Ok
20	K4942-10	VN058170.D	18 Sep 2019 18:21	JC/SP	Ok
21	K4942-08	VN058171.D	18 Sep 2019 18:43	JC/SP	Ok
22	K4942-06	VN058172.D	18 Sep 2019 19:05	JC/SP	Ok
23	K4942-04	VN058173.D	18 Sep 2019 19:27	JC/SP	Ok
24	K4942-02	VN058174.D	18 Sep 2019 19:49	JC/SP	Ok
25	K4931-02	VN058175.D	18 Sep 2019 20:12	JC/SP	Ok
26	K4669-06	VN058176.D	18 Sep 2019 20:34	JC/SP	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN091819

Review By	Sweetuben	Review On	9/19/2019 10:22:59 AM		
Supervise By	MMDadoda	Supervise On	9/20/2019 1:13:56 PM		
SubDirectory	VN091819	HP Acquire Method	MSVOA_N	HP Processing Method	82n091819w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP86866,VP86867				
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874				
CCC	VP86876,VP86877				
Internal Standard/PEM	VP86799				
ICV/I.BLK	VP86875				

27	K4944-02	VN058177.D	18 Sep 2019 20:56	JC/SP	Ok
28	VN0918WBSD01	VN058178.D	18 Sep 2019 21:18	JC/SP	Ok,M
29	K4940-05	VN058179.D	18 Sep 2019 21:40	JC/SP	Dilution
30	K4940-04	VN058180.D	18 Sep 2019 22:02	JC/SP	ReRun
31	K4940-03	VN058181.D	18 Sep 2019 22:24	JC/SP	Ok
32	K4940-08	VN058182.D	18 Sep 2019 22:46	JC/SP	Ok
33	K4940-07	VN058183.D	18 Sep 2019 23:08	JC/SP	Ok
34	K4940-09	VN058184.D	18 Sep 2019 23:30	JC/SP	Ok
35	K4940-01	VN058185.D	18 Sep 2019 23:52	JC/SP	Ok
36	K4940-06	VN058186.D	19 Sep 2019 00:14	JC/SP	Ok
37	VSTDCCC050	VN058187.D	19 Sep 2019 00:36	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN092319

Review By	Sweetuben	Review On	9/24/2019 10:45:47 AM		
Supervise By	MMDadoda	Supervise On	9/25/2019 12:44:11 AM		
SubDirectory	VN092319	HP Acquire Method	MSVOA_N	HP Processing Method	82n091819w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP87079,VP87080				
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874				
CCC	VP87081,VP87082,VP87083,VP87084				
Internal Standard/PEM	VP86799				
ICV/I.BLK	VP86875				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN058274.D	23 Sep 2019 8:18	JC/SP	Ok
2	VSTDCCC050	VN058275.D	23 Sep 2019 8:42	JC/SP	Ok,M
3	VN0923MBL01	VN058276.D	23 Sep 2019 9:16	JC/SP	Ok
4	VN0923WBL01	VN058277.D	23 Sep 2019 9:38	JC/SP	Ok
5	K4975-18	VN058278.D	23 Sep 2019 10:00	JC/SP	ReRun
6	K4975-19	VN058279.D	23 Sep 2019 10:23	JC/SP	ReRun
7	K4975-08DL	VN058280.D	23 Sep 2019 10:44	JC/SP	Ok
8	K4975-10	VN058281.D	23 Sep 2019 11:06	JC/SP	Ok
9	VN0923WBS01	VN058282.D	23 Sep 2019 11:28	JC/SP	Ok,M
10	K4662-15	VN058283.D	23 Sep 2019 11:51	JC/SP	Ok
11	K4975-16	VN058284.D	23 Sep 2019 12:13	JC/SP	Ok
12	VN0923WBSD01	VN058285.D	23 Sep 2019 12:34	JC/SP	Ok,M
13	K4975-17	VN058286.D	23 Sep 2019 12:57	JC/SP	Not Ok
14	VN0923MBS01	VN058287.D	23 Sep 2019 13:18	JC/SP	Ok,M
15	K4939-07ME	VN058288.D	23 Sep 2019 13:40	JC/SP	Ok,M
16	K4939-01ME	VN058289.D	23 Sep 2019 14:02	JC/SP	Dilution
17	K4939-05MEDL	VN058290.D	23 Sep 2019 14:24	JC/SP	Ok
18	K4939-06ME	VN058291.D	23 Sep 2019 14:45	JC/SP	Ok
19	VN0923MBSD01	VN058292.D	23 Sep 2019 15:07	JC/SP	Ok,M
20	K4939-01MEDL	VN058293.D	23 Sep 2019 15:29	JC/SP	Ok
21	K4975-13	VN058294.D	23 Sep 2019 15:51	JC/SP	Ok,M
22	K4975-14	VN058295.D	23 Sep 2019 16:14	JC/SP	Dilution
23	K4975-15	VN058296.D	23 Sep 2019 16:36	JC/SP	Ok,M
24	K4975-12	VN058297.D	23 Sep 2019 16:58	JC/SP	Ok,M
25	K4975-11	VN058298.D	23 Sep 2019 17:21	JC/SP	Ok,M
26	K4975-19RE	VN058299.D	23 Sep 2019 17:43	JC/SP	Confirms

Daily Analysis Runlog For Sequence/QC Batch ID # VN092319

Review By	Sweetuben	Review On	9/24/2019 10:45:47 AM		
Supervise By	MMDadoda	Supervise On	9/25/2019 12:44:11 AM		
SubDirectory	VN092319	HP Acquire Method	MSVOA_N	HP Processing Method	82n091819w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP87079,VP87080				
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874				
CCC	VP87081,VP87082,VP87083,VP87084				
Internal Standard/PEM	VP86799				
ICV/I.BLK	VP86875				

27	K4975-18RE	VN058300.D	23 Sep 2019 18:05	JC/SP	Confirms
28	K4975-17	VN058301.D	23 Sep 2019 18:28	JC/SP	Ok,M
29	K4975-07	VN058302.D	23 Sep 2019 18:50	JC/SP	Ok,M
30	K4665-06	VN058303.D	23 Sep 2019 19:12	JC/SP	Ok,M
31	K4939-05ME	VN058304.D	23 Sep 2019 19:35	JC/SP	Dilution
32	VSTDCCC050	VN058305.D	23 Sep 2019 19:57	JC/SP	Ok,M
33	BFB	VN058306.D	23 Sep 2019 20:41	JC/SP	Ok
34	VSTDCCC050	VN058307.D	23 Sep 2019 21:03	JC/SP	Ok,M
35	VN0923WBL02	VN058308.D	23 Sep 2019 21:48	JC/SP	Ok
36	K5002-07	VN058309.D	23 Sep 2019 22:10	JC/SP	Ok
37	PB123296TB	VN058310.D	23 Sep 2019 22:32	JC/SP	Ok,M
38	VN0923WBS02	VN058311.D	23 Sep 2019 22:54	JC/SP	Ok,M
39	K5002-01	VN058312.D	23 Sep 2019 23:17	JC/SP	ReRun
40	K5002-02	VN058313.D	23 Sep 2019 23:39	JC/SP	Ok,M
41	K5002-03	VN058314.D	24 Sep 2019 00:01	JC/SP	Ok,M
42	K5002-04	VN058315.D	24 Sep 2019 00:24	JC/SP	Ok,M
43	K5002-05	VN058316.D	24 Sep 2019 00:46	JC/SP	Ok,M
44	K5002-06	VN058317.D	24 Sep 2019 1:08	JC/SP	Ok
45	K5002-08	VN058318.D	24 Sep 2019 1:31	JC/SP	Ok
46	VN0923WBSD02	VN058319.D	24 Sep 2019 1:53	JC/SP	Ok,M
47	K4997-12	VN058320.D	24 Sep 2019 2:15	JC/SP	Ok,M
48	K4997-14	VN058321.D	24 Sep 2019 2:37	JC/SP	Ok,M
49	K4997-16	VN058322.D	24 Sep 2019 2:59	JC/SP	Ok
50	K4997-18	VN058323.D	24 Sep 2019 3:21	JC/SP	Ok
51	K4997-20	VN058324.D	24 Sep 2019 3:43	JC/SP	Ok,M
52	K5002-09MS	VN058325.D	24 Sep 2019 4:05	JC/SP	Ok,M
53	K5002-10MSD	VN058326.D	24 Sep 2019 4:27	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN092319

Review By	Sweetuben	Review On	9/24/2019 10:45:47 AM		
Supervise By	MMDadoda	Supervise On	9/25/2019 12:44:11 AM		
SubDirectory	VN092319	HP Acquire Method	MSVOA_N	HP Processing Method	82n091819w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP87079,VP87080				
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874				
CCC	VP87081,VP87082,VP87083,VP87084				
Internal Standard/PEM	VP86799				
ICV/I.BLK	VP86875				

54	I.BLK	VN058327.D	24 Sep 2019 5:12	JC/SP	Ok
55	K4975-14DL	VN058328.D	24 Sep 2019 5:34	JC/SP	Ok
56	K5008-11	VN058329.D	24 Sep 2019 5:56	JC/SP	Ok
57	K5008-10	VN058330.D	24 Sep 2019 6:18	JC/SP	Ok,NR
58	K5008-12	VN058331.D	24 Sep 2019 6:40	JC/SP	Ok
59	K5008-14	VN058332.D	24 Sep 2019 7:02	JC/SP	Dilution
60	K5008-13	VN058333.D	24 Sep 2019 7:24	JC/SP	Ok,M
61	VSTDCCC050	VN058334.D	24 Sep 2019 8:30	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM		
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM		
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP86992,VP86993				
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014				
CCC	VP86996,VP86997				
Internal Standard/PEM	VP86948				
ICV/I.BLK	VP87019				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW013176.D	20 Sep 2019 11:43	SY/VA	Ok
2	VSTDICC005	VW013177.D	20 Sep 2019 12:43	SY/VA	Ok,M
3	VSTDICC010	VW013178.D	20 Sep 2019 13:09	SY/VA	Ok,M
4	VSTDICC020	VW013179.D	20 Sep 2019 13:35	SY/VA	Ok,M
5	VSTDICCC050	VW013180.D	20 Sep 2019 14:01	SY/VA	Ok,M
6	VSTDICC100	VW013181.D	20 Sep 2019 14:27	SY/VA	Ok,M
7	VSTDICC150	VW013182.D	20 Sep 2019 14:53	SY/VA	Ok,M
8	VSTDICV050	VW013183.D	20 Sep 2019 15:34	SY/VA	Ok,M
9	VW0920SBL01	VW013184.D	20 Sep 2019 16:06	SY/VA	Ok
10	K4888-02	VW013185.D	20 Sep 2019 16:41	SY/VA	Ok
11	K4669-04	VW013186.D	20 Sep 2019 17:07	SY/VA	Ok
12	VW0920SBS01	VW013187.D	20 Sep 2019 17:33	SY/VA	Ok,M
13	VW0920SBSD01	VW013188.D	20 Sep 2019 17:59	SY/VA	Ok,M
14	K4669-04RE	VW013189.D	20 Sep 2019 18:26	SY/VA	Not Ok
15	K4967-02	VW013190.D	20 Sep 2019 18:51	SY/VA	Ok,M
16	K4825-11RE	VW013191.D	20 Sep 2019 19:17	SY/VA	Confirms
17	K4825-13RE	VW013192.D	20 Sep 2019 19:43	SY/VA	Confirms
18	K4918-06	VW013193.D	20 Sep 2019 20:09	SY/VA	Not Ok
19	K4918-07	VW013194.D	20 Sep 2019 20:35	SY/VA	Ok
20	VSTDCCC050	VW013195.D	20 Sep 2019 21:00	SY/VA	Ok,M
21	BFB	VW013196.D	20 Sep 2019 21:26	SY/VA	Ok
22	VSTDCCC050	VW013197.D	20 Sep 2019 21:52	SY/VA	Ok,M
23	VW0920SBL02	VW013198.D	20 Sep 2019 22:45	SY/VA	Ok
24	VW0920SBS02	VW013199.D	20 Sep 2019 23:10	SY/VA	Ok,M
25	VW0920SBSD02	VW013200.D	20 Sep 2019 23:36	SY/VA	Ok,M
26	K4918-08	VW013201.D	21 Sep 2019 00:03	SY/VA	ReRun

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM		
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM		
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP86992,VP86993				
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014				
CCC	VP86996,VP86997				
Internal Standard/PEM	VP86948				
ICV/I.BLK	VP87019				

Run #	Sample Name	File Name	Time	Status	Result
27	K4918-09	VW013202.D	21 Sep 2019 00:29	SY/VA	Ok
28	K4918-10	VW013203.D	21 Sep 2019 00:55	SY/VA	Ok
29	K4918-11	VW013204.D	21 Sep 2019 01:21	SY/VA	ReRun
30	K4918-12	VW013205.D	21 Sep 2019 01:46	SY/VA	Not Ok
31	K4925-01	VW013206.D	21 Sep 2019 02:12	SY/VA	Ok
32	K4939-01	VW013207.D	21 Sep 2019 02:38	SY/VA	Dilution
33	K4939-02MS	VW013208.D	21 Sep 2019 03:03	SY/VA	Ok,M
34	K4939-03MSD	VW013209.D	21 Sep 2019 03:29	SY/VA	Ok,M
35	K4939-04	VW013210.D	21 Sep 2019 03:56	SY/VA	Ok
36	K4939-05	VW013211.D	21 Sep 2019 04:22	SY/VA	Dilution
37	K4939-06	VW013212.D	21 Sep 2019 04:48	SY/VA	Dilution
38	K4939-07	VW013213.D	21 Sep 2019 05:14	SY/VA	Dilution
39	K4972-02	VW013214.D	21 Sep 2019 05:39	SY/VA	ReRun
40	K4972-04	VW013215.D	21 Sep 2019 06:05	SY/VA	Ok
41	K4955-01	VW013216.D	21 Sep 2019 06:31	SY/VA	Ok
42	K4989-01	VW013217.D	21 Sep 2019 06:57	SY/VA	Ok
43	K4989-02	VW013218.D	21 Sep 2019 07:23	SY/VA	Ok
44	VSTDCCC050	VW013219.D	21 Sep 2019 07:48	SY/VA	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN091819

Review By	Sweetuben	Review On	9/19/2019 10:22:59 AM	
Supervise By	MMDadoda	Supervise On	9/20/2019 1:13:56 PM	
SubDirectory	VN091819	HP Acquire Method	MSVOA_N	HP Processing Method 82n091819w.m

STD. NAME	STD REF.#
Tune/Reschk	VP86866,VP86867
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874
CCC	VP86876,VP86877
Internal Standard/PEM	VP86799
ICV/I.BLK	VP86875

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN058151.D	18 Sep 2019 8:30	pH#LOT#V9650	JC/SP	Ok
2	VSTDIC001	VSTDIC001	VN058152.D	18 Sep 2019 9:21		JC/SP	Ok,M
3	VSTDIC005	VSTDIC005	VN058153.D	18 Sep 2019 9:43	Method is good for DOD	JC/SP	Ok,M
4	VSTDIC020	VSTDIC020	VN058154.D	18 Sep 2019 10:05		JC/SP	Ok,M
5	VSTDIC050	VSTDIC050	VN058155.D	18 Sep 2019 10:27		JC/SP	Ok,M
6	VSTDIC100	VSTDIC100	VN058156.D	18 Sep 2019 10:49	Compound # 3,4,5,6,12,17,20,21,31,39,41,71, 81,90 kept on L.R	JC/SP	Ok,M
7	VSTDIC150	VSTDIC150	VN058157.D	18 Sep 2019 11:11		JC/SP	Ok,M
8	VSTDICV050	ICVVN091819	VN058158.D	18 Sep 2019 13:10		JC/SP	Ok,M
9	BFB	BFB	VN058159.D	18 Sep 2019 13:32		JC/SP	Ok
10	VSTDIC050	VSTDIC050	VN058160.D	18 Sep 2019 14:06		JC/SP	Ok,M
11	VN0918WBL01	VN0918WBL01	VN058161.D	18 Sep 2019 15:01		JC/SP	Ok
12	K4899-01	STORAGE-BLANK-SO	VN058162.D	18 Sep 2019 15:23	Vial A pH<2	JC/SP	Ok
13	K4899-02	STORAGE-BLANK-WA	VN058163.D	18 Sep 2019 15:46	Vial A pH<2	JC/SP	Ok
14	K4899-03	STORAGE-BLANK-WA	VN058164.D	18 Sep 2019 16:08	Vial A pH<2	JC/SP	Ok
15	K4899-04	STORAGE-BLANK-SAI	VN058165.D	18 Sep 2019 16:30	Vial A pH<2	JC/SP	Ok
16	PB123193TB	PB123193TB	VN058166.D	18 Sep 2019 16:52	Hit of compound # 16,20,43	JC/SP	Ok,M
17	PB123195TB	PB123195TB	VN058167.D	18 Sep 2019 17:14	Hit of compound # 16,20,43	JC/SP	Ok
18	VN0918WBS01	VN0918WBS01	VN058168.D	18 Sep 2019 17:36		JC/SP	Ok,M
19	K4668-11	SU-01-091719	VN058169.D	18 Sep 2019 17:58	pH#7.0 vial A	JC/SP	Ok
20	K4942-10	TP-5	VN058170.D	18 Sep 2019 18:21	pH#7.0 vial A	JC/SP	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN091819

Review By	Sweetuben	Review On	9/19/2019 10:22:59 AM				
Supervise By	MMDadoda	Supervise On	9/20/2019 1:13:56 PM				
SubDirectory	VN091819	HP Acquire Method	MSVOA_N	HP Processing Method	82n091819w.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP86866,VP86867						
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874						
CCC	VP86876,VP86877						
Internal Standard/PEM	VP86799						
ICV/I.BLK	VP86875						
21	K4942-08	TP-4	VN058171.D	18 Sep 2019 18:43	pH#7.0 vial A	JC/SP	Ok
22	K4942-06	TP-3	VN058172.D	18 Sep 2019 19:05		JC/SP	Ok
23	K4942-04	TP-2	VN058173.D	18 Sep 2019 19:27	pH#7.0 vial A	JC/SP	Ok
24	K4942-02	TP-1	VN058174.D	18 Sep 2019 19:49		JC/SP	Ok
25	K4931-02	290-371	VN058175.D	18 Sep 2019 20:12		JC/SP	Ok
26	K4669-06	TR-04-091719	VN058176.D	18 Sep 2019 20:34	pH#7.0 vial A	JC/SP	Ok
27	K4944-02	DRUM-COMP	VN058177.D	18 Sep 2019 20:56	pH#7.0 vial A	JC/SP	Ok
28	VN0918WBSD01	VN0918WBSD01	VN058178.D	18 Sep 2019 21:18		JC/SP	Ok,M
29	K4940-05	30357	VN058179.D	18 Sep 2019 21:40	Vial A pH<2,Need 5X	JC/SP	Dilution
30	K4940-04	30356	VN058180.D	18 Sep 2019 22:02	Vial A pH<2,E flag in previous sample	JC/SP	ReRun
31	K4940-03	40278	VN058181.D	18 Sep 2019 22:24	Vial A pH<2	JC/SP	Ok
32	K4940-08	30307	VN058182.D	18 Sep 2019 22:46	Vial A pH<2	JC/SP	Ok
33	K4940-07	13159	VN058183.D	18 Sep 2019 23:08	Vial A pH<2	JC/SP	Ok
34	K4940-09	30470	VN058184.D	18 Sep 2019 23:30	Vial A pH<2	JC/SP	Ok
35	K4940-01	30434	VN058185.D	18 Sep 2019 23:52	Vial A pH<2	JC/SP	Ok
36	K4940-06	13158	VN058186.D	19 Sep 2019 00:14	Vial A pH<2	JC/SP	Ok
37	VSTDCCC050	VSTDCCC050EC	VN058187.D	19 Sep 2019 00:36		JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN092319

Review By	Sweetuben	Review On	9/24/2019 10:45:47 AM
Supervise By	MMDadoda	Supervise On	9/25/2019 12:44:11 AM
SubDirectory	VN092319	HP Acquire Method	MSVOA_N HP Processing Method 82n091819w.m

STD. NAME	STD REF.#
Tune/Reschk	VP87079,VP87080
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874
CCC	VP87081,VP87082,VP87083,VP87084
Internal Standard/PEM	VP86799
ICV/I.BLK	VP86875

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN058274.D	23 Sep 2019 8:18	pH#LOT#V9650	JC/SP	Ok
2	VSTDCCC050	VSTDCCC050	VN058275.D	23 Sep 2019 8:42		JC/SP	Ok,M
3	VN0923MBL01	VN0923MBL01	VN058276.D	23 Sep 2019 9:16		JC/SP	Ok
4	VN0923WBL01	VN0923WBL01	VN058277.D	23 Sep 2019 9:38		JC/SP	Ok
5	K4975-18	EB02-20190918	VN058278.D	23 Sep 2019 10:00	EB, hit of compounds16,20,52,Vial A pH<2	JC/SP	ReRun
6	K4975-19	FB02-20190918	VN058279.D	23 Sep 2019 10:23	FB, hit of compounds16,20,52,Vial A pH<2	JC/SP	ReRun
7	K4975-08DL	RE134D4-20190918DL	VN058280.D	23 Sep 2019 10:44	Vial B pH<2	JC/SP	Ok
8	K4975-10	RE108D2-20190918	VN058281.D	23 Sep 2019 11:06	Vial A pH<2	JC/SP	Ok
9	VN0923WBS01	VN0923WBS01	VN058282.D	23 Sep 2019 11:28		JC/SP	Ok,M
10	K4662-15	CL-02-091819	VN058283.D	23 Sep 2019 11:51	pH#7.0 vial A	JC/SP	Ok
11	K4975-16	RE105D2-20190918	VN058284.D	23 Sep 2019 12:13	Vial A pH<2	JC/SP	Ok
12	VN0923WBSD01	VN0923WBSD01	VN058285.D	23 Sep 2019 12:34		JC/SP	Ok,M
13	K4975-17	DUP06-20190918	VN058286.D	23 Sep 2019 12:57	Vial A pH<2,Run straight	JC/SP	Not Ok
14	VN0923MBS01	VN0923MBS01	VN058287.D	23 Sep 2019 13:18		JC/SP	Ok,M
15	K4939-07ME	986-B-3-(24)ME	VN058288.D	23 Sep 2019 13:40		JC/SP	Ok,M
16	K4939-01ME	982-S-3-(19)ME	VN058289.D	23 Sep 2019 14:02	Need 5X	JC/SP	Dilution
17	K4939-05MEDL	984-S-4-(19)MEDL	VN058290.D	23 Sep 2019 14:24		JC/SP	Ok
18	K4939-06ME	985-S-5-(19)ME	VN058291.D	23 Sep 2019 14:45		JC/SP	Ok
19	VN0923MBSD01	VN0923MBSD01	VN058292.D	23 Sep 2019 15:07		JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN092319

Review By	Sweetuben	Review On	9/24/2019 10:45:47 AM				
Supervise By	MMDadoda	Supervise On	9/25/2019 12:44:11 AM				
SubDirectory	VN092319	HP Acquire Method	MSVOA_N	HP Processing Method	82n091819w.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP87079,VP87080						
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874						
CCC	VP87081,VP87082,VP87083,VP87084						
Internal Standard/PEM	VP86799						
ICV/I.BLK	VP86875						
20	K4939-01MEDL	982-S-3-(19)MEDL	VN058293.D	23 Sep 2019 15:29		JC/SP	Ok
21	K4975-13	RE139D1-20190918	VN058294.D	23 Sep 2019 15:51	Vial A pH<2	JC/SP	Ok,M
22	K4975-14	RE139D2-20190918	VN058295.D	23 Sep 2019 16:14	Vial A pH<2, Need 5X	JC/SP	Dilution
23	K4975-15	RE105D1-20190918	VN058296.D	23 Sep 2019 16:36	Vial A pH<2	JC/SP	Ok,M
24	K4975-12	RE117D2-20190918	VN058297.D	23 Sep 2019 16:58	Vial A pH<2	JC/SP	Ok,M
25	K4975-11	RE117D1-20190918	VN058298.D	23 Sep 2019 17:21	Vial A pH<2	JC/SP	Ok,M
26	K4975-19RE	FB02-20190918RE	VN058299.D	23 Sep 2019 17:43	FB, hit of compounds16,20,52 ,Vial B pH<2	JC/SP	Confirms
27	K4975-18RE	EB02-20190918RE	VN058300.D	23 Sep 2019 18:05	EB, hit of compounds16,20,52,Vial B pH<2	JC/SP	Confirms
28	K4975-17	DUP06-20190918	VN058301.D	23 Sep 2019 18:28	Vial B pH<2	JC/SP	Ok,M
29	K4975-07	DUP05-20190917	VN058302.D	23 Sep 2019 18:50	Vial B pH<2	JC/SP	Ok,M
30	K4665-06	EO-01-091919	VN058303.D	23 Sep 2019 19:12	pH#7.0 vial A	JC/SP	Ok,M
31	K4939-05ME	984-S-4-(19)ME	VN058304.D	23 Sep 2019 19:35	Need 10X	JC/SP	Dilution
32	VSTDCCC050	VSTDCCC050EC	VN058305.D	23 Sep 2019 19:57		JC/SP	Ok,M
33	BFB	BFB	VN058306.D	23 Sep 2019 20:41		JC/SP	Ok
34	VSTDCCC050	VSTDCCC050	VN058307.D	23 Sep 2019 21:03		JC/SP	Ok,M
35	VN0923WBL02	VN0923WBL02	VN058308.D	23 Sep 2019 21:48		JC/SP	Ok
36	K5002-07	S49-TB-2019-4	VN058309.D	23 Sep 2019 22:10	Vial A pH<2	JC/SP	Ok
37	PB123296TB	PB123296TB	VN058310.D	23 Sep 2019 22:32	hit of 16,20,43	JC/SP	Ok,M
38	VN0923WBS02	VN0923WBS02	VN058311.D	23 Sep 2019 22:54		JC/SP	Ok,M
39	K5002-01	S49-0514	VN058312.D	23 Sep 2019 23:17	Vial A pH<2,Surr fail	JC/SP	ReRun
40	K5002-02	S49-0515	VN058313.D	23 Sep 2019 23:39	Vial A pH<2	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN092319

Review By	Sweetuben	Review On	9/24/2019 10:45:47 AM				
Supervise By	MMDadoda	Supervise On	9/25/2019 12:44:11 AM				
SubDirectory	VN092319	HP Acquire Method	MSVOA_N	HP Processing Method	82n091819w.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP87079,VP87080						
Initial Calibration Stds	VP86868,VP86869,VP86871,VP86872,VP86873,VP86874						
CCC	VP87081,VP87082,VP87083,VP87084						
Internal Standard/PEM	VP86799						
ICV/I.BLK	VP86875						
41	K5002-03	S49-0516	VN058314.D	24 Sep 2019 00:01	pH#7.0 vial A	JC/SP	Ok,M
42	K5002-04	S49-0521	VN058315.D	24 Sep 2019 00:24	pH#7.0 vial A	JC/SP	Ok,M
43	K5002-05	S49-0517	VN058316.D	24 Sep 2019 00:46	pH#7.0 vial A	JC/SP	Ok,M
44	K5002-06	S49-0519	VN058317.D	24 Sep 2019 1:08	pH#7.0 vial A	JC/SP	Ok
45	K5002-08	49-0520	VN058318.D	24 Sep 2019 1:31	pH#7.0 vial A	JC/SP	Ok
46	VN0923WBSD02	VN0923WBSD02	VN058319.D	24 Sep 2019 1:53		JC/SP	Ok,M
47	K4997-12	WC-08-091919	VN058320.D	24 Sep 2019 2:15	pH#7.0 vial A	JC/SP	Ok,M
48	K4997-14	WC-09-091919	VN058321.D	24 Sep 2019 2:37	pH#7.0 vial A	JC/SP	Ok,M
49	K4997-16	WC-10-091919	VN058322.D	24 Sep 2019 2:59	pH#7.0 vial A	JC/SP	Ok
50	K4997-18	WC-11-091919	VN058323.D	24 Sep 2019 3:21	pH#7.0 vial A	JC/SP	Ok
51	K4997-20	WC-12-091919	VN058324.D	24 Sep 2019 3:43	pH#7.0 vial A	JC/SP	Ok,M
52	K5002-09MS	49-0520MS	VN058325.D	24 Sep 2019 4:05	Vial A pH<2	JC/SP	Ok,M
53	K5002-10MSD	49-0520MSD	VN058326.D	24 Sep 2019 4:27	Vial A pH<2	JC/SP	Ok,M
54	I.BLK	I.BLK	VN058327.D	24 Sep 2019 5:12		JC/SP	Ok
55	K4975-14DL	RE139D2-20190918DL	VN058328.D	24 Sep 2019 5:34	Vial B pH<2	JC/SP	Ok
56	K5008-11	TWP-5	VN058329.D	24 Sep 2019 5:56	pH#7.0 vial A	JC/SP	Ok
57	K5008-10	TWP-4	VN058330.D	24 Sep 2019 6:18	Vial A pH<2	JC/SP	Ok,NR
58	K5008-12	TWP-7	VN058331.D	24 Sep 2019 6:40	pH#7.0 vial A	JC/SP	Ok
59	K5008-14	TWP-9	VN058332.D	24 Sep 2019 7:02	Vial A pH<2,Need 5x	JC/SP	Dilution
60	K5008-13	TWP-8	VN058333.D	24 Sep 2019 7:24	pH#7.0 vial A	JC/SP	Ok,M
61	VSTDCCC050	VSTDCCC050EC	VN058334.D	24 Sep 2019 8:30		JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM		
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM		
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m

STD. NAME	STD REF.#
Tune/Reschk	VP86992,VP86993
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014
CCC	VP86996,VP86997
Internal Standard/PEM	VP86948
ICV/I.BLK	VP87019

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW013176.D	20 Sep 2019 11:43		SY/VA	Ok
2	VSTDIC005	VSTDIC005	VW013177.D	20 Sep 2019 12:43	Mehtod pass for DOD	SY/VA	Ok,M
3	VSTDIC010	VSTDIC010	VW013178.D	20 Sep 2019 13:09	LR- 11,20,26	SY/VA	Ok,M
4	VSTDIC020	VSTDIC020	VW013179.D	20 Sep 2019 13:35		SY/VA	Ok,M
5	VSTDIC050	VSTDIC050	VW013180.D	20 Sep 2019 14:01		SY/VA	Ok,M
6	VSTDIC100	VSTDIC100	VW013181.D	20 Sep 2019 14:27		SY/VA	Ok,M
7	VSTDIC150	VSTDIC150	VW013182.D	20 Sep 2019 14:53		SY/VA	Ok,M
8	VSTDICV050	ICVVW092019	VW013183.D	20 Sep 2019 15:34		SY/VA	Ok,M
9	VW0920SBL01	VW0920SBL01	VW013184.D	20 Sep 2019 16:06		SY/VA	Ok
10	K4888-02	980-B-1-(24)	VW013185.D	20 Sep 2019 16:41	Vial A	SY/VA	Ok
11	K4669-04	TR-04-091719	VW013186.D	20 Sep 2019 17:07	Vial A	SY/VA	Ok
12	VW0920SBS01	VW0920SBS01	VW013187.D	20 Sep 2019 17:33		SY/VA	Ok,M
13	VW0920SBSD01	VW0920SBSD01	VW013188.D	20 Sep 2019 17:59	Recovery Fail for some compounds	SY/VA	Ok,M
14	K4669-04RE	TR-04-091719RE	VW013189.D	20 Sep 2019 18:26	Not Required Vial B	SY/VA	Not Ok
15	K4967-02	FK-BPM-01-H0-H01-H0	VW013190.D	20 Sep 2019 18:51	Vial A	SY/VA	Ok,M
16	K4825-11RE	CSA-4-2-1.5RE	VW013191.D	20 Sep 2019 19:17	Internal standard fail Vial B	SY/VA	Confirms
17	K4825-13RE	CSA-4-3-1RE	VW013192.D	20 Sep 2019 19:43	Internal standard fail Vial B	SY/VA	Confirms
18	K4918-06	SB-7	VW013193.D	20 Sep 2019 20:09	Not puge Vial A	SY/VA	Not Ok
19	K4918-07	SB-8	VW013194.D	20 Sep 2019 20:35	Vial A	SY/VA	Ok
20	VSTDCCC050	VSTDCCC050EC	VW013195.D	20 Sep 2019 21:00		SY/VA	Ok,M
21	BFB	BFB	VW013196.D	20 Sep 2019 21:26		SY/VA	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM				
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM				
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP86992,VP86993						
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014						
CCC	VP86996,VP86997						
Internal Standard/PEM	VP86948						
ICV/I.BLK	VP87019						
22	VSTDCCC050	VSTDCCC050	VW013197.D	20 Sep 2019 21:52		SY/VA	Ok,M
23	VW0920SBL02	VW0920SBL02	VW013198.D	20 Sep 2019 22:45		SY/VA	Ok
24	VW0920SBS02	VW0920SBS02	VW013199.D	20 Sep 2019 23:10		SY/VA	Ok,M
25	VW0920SBSD02	VW0920SBSD02	VW013200.D	20 Sep 2019 23:36		SY/VA	Ok,M
26	K4918-08	SB-9	VW013201.D	21 Sep 2019 00:03	Internal standard fail Vial A	SY/VA	ReRun
27	K4918-09	SB-10	VW013202.D	21 Sep 2019 00:29	Vial A	SY/VA	Ok
28	K4918-10	SB-11	VW013203.D	21 Sep 2019 00:55	Vial A	SY/VA	Ok
29	K4918-11	SB-13	VW013204.D	21 Sep 2019 01:21	Internal standard fail Vial A	SY/VA	ReRun
30	K4918-12	SB-12	VW013205.D	21 Sep 2019 01:46	Not purge Vial A	SY/VA	Not Ok
31	K4925-01	SS-1	VW013206.D	21 Sep 2019 02:12	Vial B	SY/VA	Ok
32	K4939-01	982-S-3-(19)	VW013207.D	21 Sep 2019 02:38	Need MeOH Vial A	SY/VA	Dilution
33	K4939-02MS	982-S-3-(19)MS	VW013208.D	21 Sep 2019 03:03	Surrogate Fail ,Internal standard fail and Recovery Fail for some compounds Vial A	SY/VA	Ok,M
34	K4939-03MSD	982-S-3-(19)MSD	VW013209.D	21 Sep 2019 03:29	Surrogate Fail ,Internal standard fail and Recovery Fail for some compounds Vial A	SY/VA	Ok,M
35	K4939-04	983-B-2-(24)	VW013210.D	21 Sep 2019 03:56	Vial A	SY/VA	Ok
36	K4939-05	984-S-4-(19)	VW013211.D	21 Sep 2019 04:22	Internal standard fail and Need MeOH Vial A	SY/VA	Dilution
37	K4939-06	985-S-5-(19)	VW013212.D	21 Sep 2019 04:48	Need MeOH Vial A	SY/VA	Dilution
38	K4939-07	986-B-3-(24)	VW013213.D	21 Sep 2019 05:14	Need MeOH Vial A	SY/VA	Dilution
39	K4972-02	FK-GF-02-046-A	VW013214.D	21 Sep 2019 05:39	E flag in previous sample Vial A	SY/VA	ReRun
40	K4972-04	FK-GF-02-046-B	VW013215.D	21 Sep 2019 06:05	Vial A	SY/VA	Ok
41	K4955-01	ROLL-OFF-SOIL	VW013216.D	21 Sep 2019 06:31	Vial B	SY/VA	Ok

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW092019

Review By	Vimala	Review On	9/23/2019 9:40:32 AM		
Supervise By	MMDadoda	Supervise On	9/24/2019 8:09:55 AM		
SubDirectory	VW092019	HP Acquire Method	MSVOA_W	HP Processing Method	82W092019s.m

STD. NAME	STD REF.#
Tune/Reschk	VP86992,VP86993
Initial Calibration Stds	VP87004,VP87006,VP87008,VP87010,VP87012,VP87014
CCC	VP86996,VP86997
Internal Standard/PEM	VP86948
ICV/I.BLK	VP87019

Run #	Sample ID	Injection	File Name	Time	Injection	Result	Status
42	K4989-01	B-3A	VW013217.D	21 Sep 2019 06:57	Vial A	SY/VA	Ok
43	K4989-02	B-3B	VW013218.D	21 Sep 2019 07:23	Vial A	SY/VA	Ok
44	VSTDCCC050	VSTDCCC050EC	VW013219.D	21 Sep 2019 07:48		SY/VA	Ok,M

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- 18

PERCENT SOLID

Supervisor: apatel
 Analyst: JIGNESH
 Date: 9/18/2019

OVENTEMP IN Celsius(°C): 108
 Time IN: 17:02
 In Date: 09/17/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 102
 Time OUT: 08:10
 Out Date: 09/18/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 BalanceID: M SC-4
 Thermometer ID: %SOLIDS-OVEN

QC:LB105183

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
K4646-23	AB01-083019	1	1.00	2.00	2.00	100.0	100% SOLID
K4668-08	SU-01-091719	26	1.13	9.62	8.67	88.8	
K4668-09	SU-01-091719-1	27	1.13	9.7	8.66	87.9	
K4668-10	SU-01-091719-2	28	1.15	9.74	8.68	87.7	
K4669-04	TR-04-091719	29	1.12	9.58	8.93	92.3	
K4669-05	TR-04-091719	30	1.13	9.6	8.88	91.5	
K4925-01	SS-1	2	1.14	9.87	8.69	86.5	
K4925-03	SS-3	3	1.13	9.62	8.43	86.0	
K4925-04	SS-4	4	1.13	9.73	8.52	85.9	
K4927-01	SOIL-COMP-1	5	1.13	9.63	8.64	88.4	
K4931-01	290-371	31	1.14	9.71	9.06	92.4	
K4933-01	390913048.2	6	1.14	9.51	1.39	3.0	SLUDGE SAMPLE
K4937-01	HA12	7	1.00	2.00	2.00	100.0	CAULKING SAMPLE 100 % SOLIDS
K4937-02	HA13	8	1.00	2.00	2.00	100.0	CAULKING SAMPLE 100 % SOLIDS
K4937-03	HA14	9	1.00	2.00	2.00	100.0	CAULKING SAMPLE 100 % SOLIDS
K4937-04	HA15	10	1.00	2.00	2.00	100.0	CAULKING SAMPLE 100% SOLIDS
K4938-01	MG-SE-SOIL	11	1.14	9.8	8.21	81.6	
K4938-02	MG-NW-SOIL	12	1.13	9.61	8.57	87.7	
K4938-03	MG-EAST-SOIL	13	1.12	9.53	8.36	86.1	
K4938-04	MG-WEST-SOIL	14	1.12	9.51	7.89	80.7	
K4938-05	MG-GAS-BOTTOM-SOIL	15	1.12	9.52	8.63	89.4	
K4938-06	MG-DIESEL-BOTTOM-SOIL	16	1.15	9.62	8.69	89.0	
K4938-07	MG-TRENCH-1-SOIL	17	1.15	9.56	9.16	95.2	
K4938-08	MG-TRENCH-2-SOIL	18	1.14	9.76	9.1	92.3	
K4939-01	982-S-3-(19)	19	1.14	9.6	8.9	91.7	
K4939-02	K4939-01MS	20	1.14	9.6	8.9	91.7	
K4939-03	K4939-01MSD	21	1.14	9.6	8.9	91.7	
K4939-04	983-B-2-(24)	22	1.15	9.52	7.99	81.7	

PERCENT SOLID

Supervisor: apatel
 Analyst: JIGNESH
 Date: 9/18/2019

OVENTEMP IN Celsius(°C): 108
 Time IN: 17:02
 In Date: 09/17/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 102
 Time OUT: 08:10
 Out Date: 09/18/2019
 Weight Check 1.0g: 1.00
 Weight Check 10g: 10.00
 BalanceID: M SC-4
 Thermometer ID: %SOLIDS-OVEN

QC:LB105183

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
K4939-05	984-S-4-(19)	23	1.14	9.66	8.93	91.4	
K4939-06	985-S-5-(19)	24	1.15	9.8	9.22	93.3	
K4939-07	986-B-3-(24)	25	1.15	9.75	8.24	82.4	
K4942-01	TP-1	32	1.15	9.94	9.02	89.5	
K4942-02	TP-1	33	1.15	9.94	9.02	89.5	
K4942-03	TP-2	34	1.15	9.82	8.82	88.5	
K4942-04	TP-2	35	1.15	9.82	8.82	88.5	
K4942-05	TP-3	36	1.15	9.79	8.8	88.5	
K4942-06	TP-3	37	1.15	9.79	8.8	88.5	
K4942-07	TP-4	38	1.16	9.69	8.56	86.8	
K4942-08	TP-4	39	1.16	9.69	8.56	86.8	
K4942-09	TP-5	40	1.14	9.7	8.95	91.2	
K4942-10	TP-5	41	1.14	9.7	8.95	91.2	
K4944-01	DRUMP-COMP	42	1.14	9.55	8.75	90.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

V-B 105183

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-091719 WorkList ID : 131025 Department : Wet-Chemistry Date : 09-17-2019 07:52:59

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
09/02/2019	Solid	K4646-23	Percent Solids	Cool 4 deg C	JACO05	I23	AB01-083019	08/30/2019	Chemtech -SO
09/24/2019	Solid	K4668-08	Percent Solids	Cool 4 deg C	PSEG05		SU-01-091719	09/17/2019	Chemtech -SO
09/24/2019	Solid	K4668-09	Percent Solids	Cool 4 deg C	PSEG05		SU-01-091719-1	09/17/2019	Chemtech -SO
09/24/2019	Solid	K4668-10	Percent Solids	Cool 4 deg C	PSEG05		SU-01-091719-2	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4669-04	Percent Solids	Cool 4 deg C	PSEG05		TR-04-091719	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4669-05	Percent Solids	Cool 4 deg C	PSEG05		TR-04-091719	09/17/2019	Chemtech -SO
09/21/2019	Solid	K4925-01	Percent Solids	Cool 4 deg C	FRAN01	L22	SS-1	09/11/2019	Chemtech -SO
09/21/2019	Solid	K4925-03	Percent Solids	Cool 4 deg C	FRAN01	L22	SS-3	09/11/2019	Chemtech -SO
09/21/2019	Solid	K4925-04	Percent Solids	Cool 4 deg C	FRAN01	L22	SS-4	09/11/2019	Chemtech -SO
08/22/2019	Solid	K4927-01	Percent Solids	Cool 4 deg C	HOME01	M43	SOIL-COMP-1	08/12/2019	Chemtech -SO
09/20/2019	Solid	K4931-01	Percent Solids	Cool 4 deg C	PSEG01	N11	290-371	09/17/2019	Chemtech -SO
09/23/2019	Solid	K4933-01	Percent Solids	Cool 4 deg C	GARD04	N11	390913048.2	09/13/2019	Chemtech -SO
09/20/2019	Solid	K4937-01	Percent Solids	Cool 4 deg C	WARR01	N11	HA12	09/16/2019	Chemtech -SO
09/20/2019	Solid	K4937-02	Percent Solids	Cool 4 deg C	WARR01	N11	HA13	09/16/2019	Chemtech -SO
09/20/2019	Solid	K4937-03	Percent Solids	Cool 4 deg C	WARR01	N11	HA14	09/16/2019	Chemtech -SO
09/20/2019	Solid	K4937-04	Percent Solids	Cool 4 deg C	WARR01	N11	HA15	09/16/2019	Chemtech -SO
09/26/2019	Solid	K4938-01	Percent Solids	Cool 4 deg C	FRAN01	N12	MG-SE-SOIL	09/16/2019	Chemtech -SO
09/26/2019	Solid	K4938-02	Percent Solids	Cool 4 deg C	FRAN01	N12	MG-NW-SOIL	09/16/2019	Chemtech -SO
09/26/2019	Solid	K4938-03	Percent Solids	Cool 4 deg C	FRAN01	N12	MG-EAST-SOIL	09/16/2019	Chemtech -SO
09/26/2019	Solid	K4938-04	Percent Solids	Cool 4 deg C	FRAN01	N12	MG-WEST-SOIL	09/16/2019	Chemtech -SO
09/26/2019	Solid	K4938-05	Percent Solids	Cool 4 deg C	FRAN01	N12	MG-GAS-BOTTOM-SOIL	09/16/2019	Chemtech -SO
09/26/2019	Solid	K4938-06	Percent Solids	Cool 4 deg C	FRAN01	N12	MG-DIESEL-BOTTOM-SOIL	09/16/2019	Chemtech -SO

Date/Time 09.17.19 13:40 Date/Time 09.17.19 17:10
 Received by: Jh Received by: SO
 Relinquished by: CB Relinquished by: Jh



VBI05183

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-091719 WorkList ID : 131025 Department : Wet-Chemistry Date : 09-17-2019 07:52:59

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
09/26/2019	Solid	K4938-07	Percent Solids	Cool 4 deg C	FRAN01	N12	MG-TRENCH-1-SOIL	09/16/2019	Chemtech -SO
09/26/2019	Solid	K4938-08	Percent Solids	Cool 4 deg C	FRAN01	N12	MG-TRENCH-2-SOIL	09/16/2019	Chemtech -SO
09/23/2019	Solid	K4939-01	Percent Solids	Cool 4 deg C	DAYE01	N31	982-S-3-(19)	09/13/2019	Chemtech -SO
09/23/2019	Solid	K4939-02	Percent Solids	Cool 4 deg C	DAYE01	N31	K4939-01MS	09/13/2019	Chemtech -SO
09/23/2019	Solid	K4939-03	Percent Solids	Cool 4 deg C	DAYE01	N31	K4939-01MSD	09/13/2019	Chemtech -SO
09/23/2019	Solid	K4939-04	Percent Solids	Cool 4 deg C	DAYE01	N31	983-B-2-(24)	09/13/2019	Chemtech -SO
09/23/2019	Solid	K4939-05	Percent Solids	Cool 4 deg C	DAYE01	N31	984-S-4-(19)	09/13/2019	Chemtech -SO
09/23/2019	Solid	K4939-06	Percent Solids	Cool 4 deg C	DAYE01	N31	985-S-5-(19)	09/13/2019	Chemtech -SO
09/23/2019	Solid	K4939-07	Percent Solids	Cool 4 deg C	DAYE01	N31	986-B-3-(24)	09/13/2019	Chemtech -SO
09/20/2019	Solid	K4942-01	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-1	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4942-02	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-1	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4942-03	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-2	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4942-04	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-2	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4942-05	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-3	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4942-06	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-3	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4942-07	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-4	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4942-08	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-4	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4942-09	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-5	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4942-10	Percent Solids	Cool 4 deg C	PSEG01	N11	TP-5	09/17/2019	Chemtech -SO
09/20/2019	Solid	K4944-01	Percent Solids	Cool 4 deg C	PSEG01	N11	DRUMP-COMP	09/17/2019	Chemtech -SO

Date/Time 09-17-19 13:40
 Received by: JA
 Relinquished by: LD

Date/Time 09-17-19 17:10
 Received by: SR
 Relinquished by: Jn



Prep Standard - Chemical Standard Summary

Order ID : K4939
Test : VOC-TCLVOA-10
Prepbatch ID :
Sequence ID/Qc Batch ID: VN092319,vw092019,

Standard ID :

VP83997,VP83998,VP84295,VP84555,VP84558,VP84559,VP85867,VP85868,VP85889,VP85890,VP85892,VP85893,VP85894,VP85895,VP86164,VP86166,VP86173,VP86174,VP86175,VP86176,VP86480,VP86481,VP86482,VP86483,VP86484,VP86485,VP86799,VP86800,VP86801,VP86868,VP86869,VP86871,VP86872,VP86873,VP86874,VP86875,VP86947,VP86948,VP86992,VP86993,VP86996,VP86997,VP87004,VP87006,VP87008,VP87010,VP87012,VP87014,VP87019,VP87023,VP87079,VP87080,VP87081,VP87082,VP87083,VP87084,

Chemical ID :

V10090,V10092,V10093,V10094,V10099,V10103,V10163,V10164,V10165,V10166,V10167,V10168,V1456,V7371,V7374,V7852,V8277,V8336,V8722,V8732,V8733,V8734,V9163,V9165,V9172,V9174,V9177,V9257,V9258,V9260,V9263,V9352,V9353,V9354,V9355,V9366,V9418,V9427,V9428,V9429,V9439,V9514,V9515,V9516,V9517,V9518,V9684,V9700,V9706,V9712,V9713,V9714,V9715,V9731,V9766,V9791,V9792,V9793,V9794,V9802,V9922,V9923,V9933,V9947,V9975,V9979,V9980,V9981,V9982,V9989,

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP83997	06/26/2019	12/25/2019	Semsettin Yesilyurt	None	None	mohammad ahmed 07/27/2019

FROM 0.100ml of V8732 + 24.900ml of V9684 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
250	8260 Surrogate, 10PPM	VP83998	06/26/2019	12/25/2019	Semsettin Yesilyurt	None	None	mohammad ahmed 07/27/2019

FROM 9.000ml of V9684 + 1.000ml of VP83997 = Final Quantity: 10.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP84295	07/08/2019	01/08/2020	Semsettin Yesilyurt	None	None	mohammad ahmed 07/16/2019

FROM 0.500ml of V7852 + 49.500ml of V9766 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
262	8260 Working STD (BCM)-Second source, 100PPM	VP84555	07/16/2019	01/11/2020	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/16/2019

FROM 1.000ml of V8722 + 9.000ml of V9975 = Final Quantity: 10.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP84558	07/16/2019	01/11/2020	Semsettin Yesilyurt	None	None	Maresh Dadoda 07/16/2019

FROM 1.000ml of V9172 + 19.000ml of V9975 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
254	8260 Working STD (BCM)-First source, 10PPM	VP84559	07/16/2019	01/12/2020	Semsettin Yesilyurt	None	None	Maresh Dadoda 07/16/2019

FROM 0.050ml of V9172 + 9.950ml of V9975 = Final Quantity: 10.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP85867	08/27/2019	02/27/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/27/2019

FROM 0.500ml of V9177 + 1.500ml of V9163 + 1.500ml of V9165 + 1.500ml of V9174 + 20.000ml of V10094 = Final Quantity: 25.000 ml

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253	8260 Working STD (BCM)-First source, 20PPM	VP85868	08/27/2019	02/27/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/27/2019

FROM 0.500ml of V9177 + 49.500ml of V10094 = Final Quantity: 50.000 ml

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259	8260 Calibration Working STD Mix-Second source, 160PPM	VP85889	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 0.160ml of V9706 + 0.500ml of V9947 + 0.800ml of V9366 + 0.800ml of V9439 + 0.800ml of V9731 + 0.800ml of V9802 + 0.800ml of V9989 + 1.500ml of V9933 + 4.240ml of V10092 = Final Quantity: 10.000 ml

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260	8260 Calibration Working STD Mix-Second source, 100PPM	VP85890	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 1.875ml of V10094 + 3.125ml of VP85889 = Final Quantity: 5.000 ml

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257	8260 Calibration Working STD Mix-First source, 160PPM	VP85892	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019
FROM 0.400ml of V8336 + 0.500ml of V9353 + 0.500ml of V9427 + 0.500ml of V9713 + 0.500ml of V9792 + 0.500ml of V9980 + 1.000ml of V9257 + 1.500ml of V9258 + 1.500ml of V9260 + 1.500ml of V9352 + 1.500ml of V9428 + 1.500ml of V9712 + 1.500ml of V9791 + 1.500ml of V9979 + 10.600ml of V10094 = Final Quantity: 25.000 ml								

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244	8260 Calibration Working STD Mix-First source, 100PPM	VP85893	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019
FROM 5.625ml of V10094 + 9.375ml of VP85892 = Final Quantity: 15.000 ml								

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245	8260 Calibration Working STD Mix-First source, 20PPM	VP85894	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 17.500ml of V10094 + 2.500ml of VP85892 = Final Quantity: 20.000 ml

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246	8260 Calibration Working STD Mix-First source, 10PPM	VP85895	08/28/2019	10/03/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/28/2019

FROM 9.375ml of V10094 + 0.625ml of VP85892 = Final Quantity: 10.000 ml

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263	8260 Working STD (Acrolein)-Second source,	VP86164	09/03/2019	09/27/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019
FROM	800PPM 0.400ml of V10168 + 1.200ml of V10167 + 8.400ml of V10093 = Final Quantity: 10.000 ml							

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264	8260 Working STD (Acrolein)-Second source,	VP86166	09/03/2019	09/27/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019
FROM	500PPM 1.875ml of V10093 + 3.125ml of VP86164 = Final Quantity: 5.000 ml							

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51	8260 Working STD (Acrolein) -first source, 800PPM	VP86173	09/03/2019	09/28/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019
FROM	0.400ml of V10166 + 1.200ml of V10163 + 1.200ml of V10164 + 1.200ml of V10165 + 21.000ml of V10093 = Final Quantity: 25.000 ml							

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56	8260 Working STD (Acrolein) -first source, 500PPM	VP86174	09/03/2019	09/28/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019
FROM	5.625ml of V10093 + 9.375ml of VP86173 = Final Quantity: 15.000 ml							

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180	8260 Working STD (Acrolein)-First source, 100PPM	VP86175	09/03/2019	09/28/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019

FROM 17.500ml of V10093 + 2.500ml of VP86173 = Final Quantity: 20.000 ml

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181	8260 Working STD (Acrolein)-First source, 50PPM	VP86176	09/03/2019	09/28/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/03/2019

FROM 9.375ml of V10093 + 0.625ml of VP86173 = Final Quantity: 10.000 ml

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1810	8260 Working Std(2-CVE)-800ppm	VP86480	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 0.400ml of V9517 + 1.200ml of V9514 + 1.200ml of V9515 + 1.200ml of V9516 + 46.000ml of V10099 = Final Quantity: 50.000 ml

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1811	8260 Working Std(2-CVE)-500ppm	VP86481	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 7.500ml of V10099 + 12.500ml of VP86480 = Final Quantity: 20.000 ml

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1812	8260 Working Std(2-CVE)-100ppm	VP86482	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 0.250ml of V9518 + 24.750ml of V10099 = Final Quantity: 25.000 ml

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1813	8260 Working Std(2-CVE)-50ppm	VP86483	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 18.750ml of V10099 + 1.250ml of VP86480 = Final Quantity: 20.000 ml

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1817	8260 Working Std(2-CVE)-SS, 800ppm	VP86484	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 1.600ml of V8277 + 18.400ml of V10099 = Final Quantity: 20.000 ml

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1819	8260 Working Std(2-CVE)-SS, 500ppm	VP86485	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 3.750ml of V10099 + 6.250ml of VP86484 = Final Quantity: 10.000 ml

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247	8260 Internal Standard, 250PPM	VP86799	09/17/2019	01/31/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/17/2019

FROM 0.500ml of V7371 + 49.500ml of V10103 = Final Quantity: 50.000 ml

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617	8260 Surrogate, 400PPM	VP86800	09/17/2019	03/16/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/17/2019

FROM 0.400ml of V8734 + 24.600ml of V10103 = Final Quantity: 25.000 ml

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1738	8260 surrogate 20 ppm	VP86801	09/17/2019	03/16/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/17/2019

FROM 0.020ml of V8734 + 24.990ml of V10103 = Final Quantity: 25.000 ml

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334	1 PPB ICC, 8260-Water	VP86868	09/18/2019	09/19/2019	Sweetuben Patel	None	None	Vimala Arumugam 09/18/2019

FROM 39.982ml of V1456 + 0.002ml of VP85868 + 0.002ml of VP85894 + 0.002ml of VP86175 + 0.002ml of VP86482 + 0.002ml of VP86801 + 0.008ml of VP86799 = Final Quantity: 40.000 ml

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335	5 PPB ICC, 8260-Water	VP86869	09/18/2019	09/19/2019	Sweetuben Patel	None	None	Vimala Arumugam 09/18/2019

FROM 39.942ml of V1456 + 0.008ml of VP86799 + 0.010ml of VP85868 + 0.010ml of VP85894 + 0.010ml of VP86175 + 0.010ml of VP86482 + 0.010ml of VP86801 = Final Quantity: 40.000 ml

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337	20 PPB ICC, 8260-Water	VP86871	09/18/2019	09/19/2019	Sweetuben Patel	None	None	Vimala Arumugam 09/18/2019

FROM 39.961ml of V1456 + 0.005ml of VP85892 + 0.005ml of VP86173 + 0.005ml of VP86480 + 0.008ml of VP83997 + 0.008ml of VP84558 + 0.008ml of VP86799 = Final Quantity: 40.000 ml

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380	50 PPB ICC, 8260-Water	VP86872	09/18/2019	09/19/2019	Sweetuben Patel	None	None	Vimala Arumugam 09/18/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85892 + 0.013ml of VP86173 + 0.013ml of VP86480 = Final Quantity: 40.000 ml

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381	100 PPB ICC, 8260-Water	VP86873	09/18/2019	09/19/2019	Sweetuben Patel	None	None	Vimala Arumugam 09/18/2019

FROM 39.897ml of V1456 + 0.008ml of VP86799 + 0.010ml of VP85867 + 0.010ml of VP86800 + 0.025ml of VP85892 + 0.025ml of VP86173 + 0.025ml of VP86480 = Final Quantity: 40.000 ml

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382	150 PPB ICC, 8260-Water	VP86874	09/18/2019	09/19/2019	Sweetuben Patel	None	None	Vimala Arumugam 09/18/2019

FROM 39.850ml of V1456 + 0.008ml of VP86799 + 0.015ml of VP85867 + 0.015ml of VP86800 + 0.038ml of VP85892 + 0.038ml of VP86173 + 0.038ml of VP86480 = Final Quantity: 40.000 ml

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385	50 PPB ICV, 8260-Water	VP86875	09/18/2019	09/19/2019	Sweetuben Patel	None	None	Vimala Arumugam 09/18/2019

FROM 39.930ml of V1456 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP85889 + 0.013ml of VP86164 + 0.013ml of VP86484 + 0.020ml of VP84555 = Final Quantity: 40.000 ml

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249	8260 Surrogate, 100PPM	VP86947	09/19/2019	03/06/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/19/2019

FROM 0.200ml of V8733 + 49.800ml of V10090 = Final Quantity: 50.000 ml

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1917	8260 Internal standard 50 ppm	VP86948	09/19/2019	01/31/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/19/2019

FROM 0.100ml of V7374 + 49.900ml of V10090 = Final Quantity: 50.000 ml

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732	BFB TUNE CHECK - SOIL	VP86992	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.998ml of V1456 + 0.002ml of VP84295 = Final Quantity: 5.000 ml

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732	BFB TUNE CHECK - SOIL	VP86993	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.998ml of V1456 + 0.002ml of VP84295 = Final Quantity: 5.000 ml

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773	50 PPB CCC, 8260-SOIL	VP86996	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP84558 + 0.003ml of VP85893 + 0.003ml of VP86174 + 0.003ml of VP86481 + 0.003ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

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773	50 PPB CCC, 8260-SOIL	VP86997	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP84558 + 0.003ml of VP85893 + 0.003ml of VP86174 + 0.003ml of VP86481 + 0.003ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

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267	5 PPB ICC, 8260-SOIL	VP87004	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP83998 + 0.003ml of VP84559 + 0.003ml of VP85895 + 0.003ml of VP86176 + 0.003ml of VP86483 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

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269	10 PPB ICC, 8260-SOIL	VP87006	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP85868 + 0.003ml of VP85894 + 0.003ml of VP86175 + 0.003ml of VP86482 + 0.003ml of VP86801 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

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270	20 PPB ICC, 8260-SOIL	VP87008	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.965ml of V1456 + 0.005ml of VP85868 + 0.005ml of VP85894 + 0.005ml of VP86175 + 0.005ml of VP86482 + 0.005ml of VP86801 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
273	50 PPB ICC, 8260-SOIL	VP87010	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP84558 + 0.003ml of VP85893 + 0.003ml of VP86174 + 0.003ml of VP86481 + 0.003ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
280	100 PPB ICC, 8260-SOIL	VP87012	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.965ml of V1456 + 0.005ml of VP84558 + 0.005ml of VP85893 + 0.005ml of VP86174 + 0.005ml of VP86481 + 0.005ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1653	150 PPB ICC,8260-SOIL	VP87014	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.950ml of V1456 + 0.005ml of VP86948 + 0.008ml of VP84558 + 0.008ml of VP85893 + 0.008ml of VP86174 + 0.008ml of VP86481 + 0.008ml of VP86947 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
287	50 PPB ICV, 8260-SOIL	VP87019	09/20/2019	09/21/2019	Vimala Arumugam	None	None	Sweetuben Patel 09/20/2019

FROM 4.980ml of V1456 + 0.003ml of VP84555 + 0.003ml of VP85890 + 0.003ml of VP86166 + 0.003ml of VP86485 + 0.003ml of VP86947 + 0.005ml of VP86948 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP87023	09/20/2019	10/31/2019	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/20/2019

FROM 0.400ml of V9700 + 0.800ml of V9355 + 0.800ml of V9429 + 0.800ml of V9715 + 0.800ml of V9794 + 0.800ml of V9982 + 1.200ml of V9354 + 1.200ml of V9418 + 1.200ml of V9714 + 1.200ml of V9793 + 1.200ml of V9923 + 1.200ml of V9981 + 1.400ml of V9263 + 1.400ml of V9922 + 10.600ml of V10090 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP87079	09/23/2019	09/24/2019	Sweetuben Patel	None	None	John Carlone 09/23/2019

FROM 39.984ml of V1456 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP87080	09/23/2019	09/24/2019	Sweetuben Patel	None	None	John Carlone 09/23/2019

FROM 39.984ml of V1456 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP87081	09/23/2019	09/24/2019	Sweetuben Patel	None	None	John Carlone 09/23/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP86173 + 0.013ml of VP86480 + 0.013ml of VP87023 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP87082	09/23/2019	09/24/2019	Sweetuben Patel	None	None	John Carlone 09/23/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP86173 + 0.013ml of VP86480 + 0.013ml of VP87023 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP87083	09/23/2019	09/24/2019	Sweetuben Patel	None	None	John Carlone 09/23/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP86173 + 0.013ml of VP86480 + 0.013ml of VP87023 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP87084	09/23/2019	09/24/2019	Sweetuben Patel	None	None	John Carlone 09/23/2019

FROM 39.945ml of V1456 + 0.005ml of VP85867 + 0.005ml of VP86800 + 0.008ml of VP86799 + 0.013ml of VP86173 + 0.013ml of VP86480 + 0.013ml of VP87023 = Final Quantity: 40.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/19/2020	09/19/2019 / sam	08/19/2019 / SAM	V10090

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	02/27/2020	08/27/2019 / pedro	08/19/2019 / SAM	V10092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/03/2020	09/03/2019 / john	08/19/2019 / SAM	V10093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	02/27/2020	08/27/2019 / sam	08/19/2019 / SAM	V10094

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/11/2020	09/11/2019 / sam	08/19/2019 / SAM	V10099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/16/2020	09/16/2019 / sam	08/19/2019 / SAM	V10103

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082819	09/28/2019	08/29/2019 / sam	08/29/2019 / sam	V10163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082819	09/28/2019	08/29/2019 / sam	08/29/2019 / sam	V10164

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082819	09/28/2019	08/29/2019 / sam	08/29/2019 / sam	V10165

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082819	09/28/2019	08/29/2019 / sam	08/29/2019 / sam	V10166

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082719	09/27/2019	08/29/2019 / sam	08/29/2019 / sam	V10167

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082719	09/27/2019	08/29/2019 / sam	08/29/2019 / sam	V10168

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Res-Kem General water	DIW / DI Water	DAILY	12/31/2019	03/01/2010 / apatel	03/02/2010 / apatel	V1456

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0123929	01/31/2020	09/16/2019 / sam	01/06/2017 / Sam	V7371

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0123929	01/31/2020	09/19/2019 / sam	01/06/2017 / Sam	V7374

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuning solution	A0127174	01/08/2020	07/08/2019 / sam	08/10/2017 / sam	V7852

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	012218	03/11/2020	09/11/2019 / sam	01/23/2018 / sam	V8277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0133055	01/10/2020	07/10/2019 / SAM	02/27/2018 / sam	V8336

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	072918	01/16/2020	07/16/2019 / SAM	07/27/2018 / sam	V8722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0140077	12/26/2019	06/26/2019 / sam	07/31/2018 / sam	V8732

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0140077	03/06/2020	09/06/2019 / sam	07/31/2018 / sam	V8733

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0140077	03/16/2020	09/16/2019 / sam	07/31/2018 / sam	V8734

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	02/27/2020	08/27/2019 / sam	11/21/2018 / sam	V9163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	02/27/2020	08/27/2019 / sam	11/21/2018 / sam	V9165

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	01/16/2020	07/16/2019 / SAM	11/21/2018 / sam	V9172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	02/27/2020	08/27/2019 / sam	11/21/2018 / sam	V9174

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	02/27/2020	08/27/2019 / sam	11/21/2018 / sam	V9177

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0141722	12/31/2021	08/28/2019 / sam	01/04/2019 / sam	V9257

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0141722	02/28/2020	08/28/2019 / sam	01/04/2019 / sam	V9258

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0141722	02/28/2020	08/28/2019 / sam	01/04/2019 / sam	V9260

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0141722	03/20/2020	09/20/2019 / sam	01/04/2019 / sam	V9263

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010719	02/23/2020	08/23/2019 / sam	01/08/2019 / sam	V9352

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010719	02/23/2020	08/23/2019 / sam	01/08/2019 / sam	V9353

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010719	03/20/2020	09/20/2019 / sam	01/08/2019 / sam	V9354

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010719	03/20/2020	09/20/2019 / sam	01/08/2019 / sam	V9355

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010419	02/23/2020	08/23/2019 / sam	01/08/2019 / sam	V9366

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0144104	03/20/2020	09/20/2019 / sam	02/01/2019 / sam	V9418

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0144104	02/28/2020	08/28/2019 / sam	02/01/2019 / sam	V9427

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0144104	02/28/2020	08/28/2019 / sam	02/01/2019 / sam	V9428

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0144104	03/20/2020	09/20/2019 / sam	02/01/2019 / sam	V9429

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0140223	02/28/2020	08/28/2019 / sam	02/01/2019 / sam	V9439

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9514

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9516

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	202813	05/18/2020	06/25/2019 / Sam	05/02/2019 / sam	V9684

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0146062	03/20/2020	09/20/2019 / sam	05/03/2019 / sam	V9700

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0141192	06/05/2020	06/05/2019 / sam	05/03/2019 / sam	V9706

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050119	02/23/2020	08/23/2019 / sam	05/03/2019 / sam	V9712

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050119	02/23/2020	08/23/2019 / sam	05/03/2019 / sam	V9713

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050119	03/20/2020	09/20/2019 / sam	05/03/2019 / sam	V9714

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050119	03/20/2020	09/20/2019 / sam	05/03/2019 / sam	V9715

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050219	02/23/2020	08/23/2019 / sam	05/06/2019 / sam	V9731

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	01/08/2020	07/08/2019 / sam	06/03/2019 / sam	V9766

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0149877	12/31/2019	08/23/2019 / sam	06/13/2019 / sam	V9791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0149877	12/31/2019	08/23/2019 / sam	06/13/2019 / sam	V9792

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0149877	12/31/2019	09/20/2019 / sam	06/13/2019 / sam	V9793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0149877	12/31/2019	09/20/2019 / sam	06/13/2019 / sam	V9794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0148751	11/30/2019	08/23/2019 / sam	06/13/2019 / sam	V9802

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0141722	03/20/2020	09/20/2019 / sam	06/24/2019 / Sam	V9922

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0141722	03/20/2020	09/20/2019 / sam	06/24/2019 / Sam	V9923

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0147569	02/28/2020	08/28/2019 / sam	06/24/2019 / Sam	V9933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0147569	02/28/2020	08/28/2019 / sam	06/24/2019 / Sam	V9947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	202404	01/12/2020	07/12/2019 / pedro	07/02/2019 / sam	V9975

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150565	01/31/2020	08/23/2019 / sam	07/08/2019 / SAM	V9979

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150565	01/31/2020	08/23/2019 / sam	07/08/2019 / SAM	V9980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150565	01/31/2020	09/20/2019 / sam	07/08/2019 / SAM	V9981

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150565	01/31/2020	09/20/2019 / sam	07/08/2019 / SAM	V9982

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150346	12/31/2019	07/10/2019 / SAM	07/10/2019 / SAM	V9989



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 012218
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol
Lot# DS435

<i>Mario Luis</i>	012218
Formulated By: Mario Luis	DATE
<i>Pedro L. Rentas</i>	012218
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 012221
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2508734D

5E-05 Balance Uncertainty
0.002 Flask Uncertainty

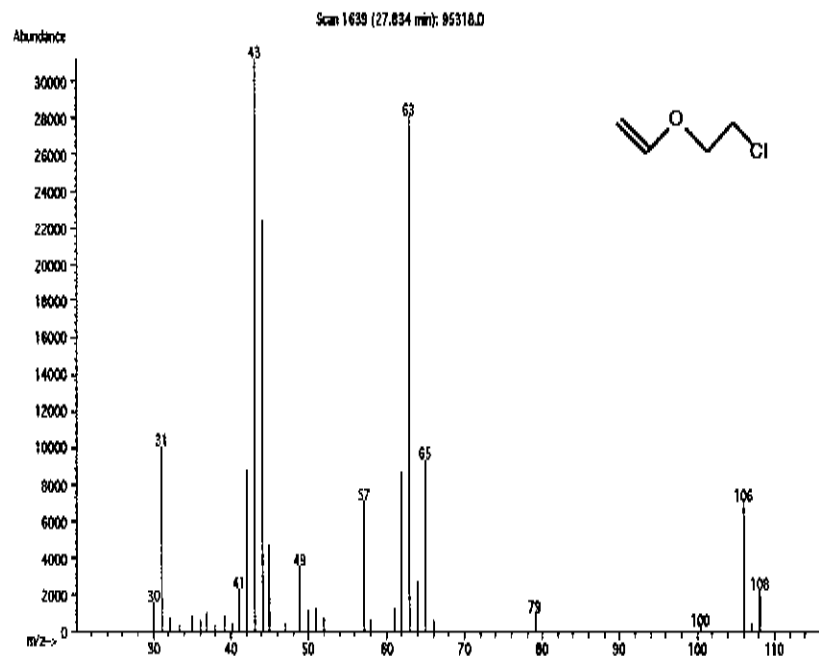
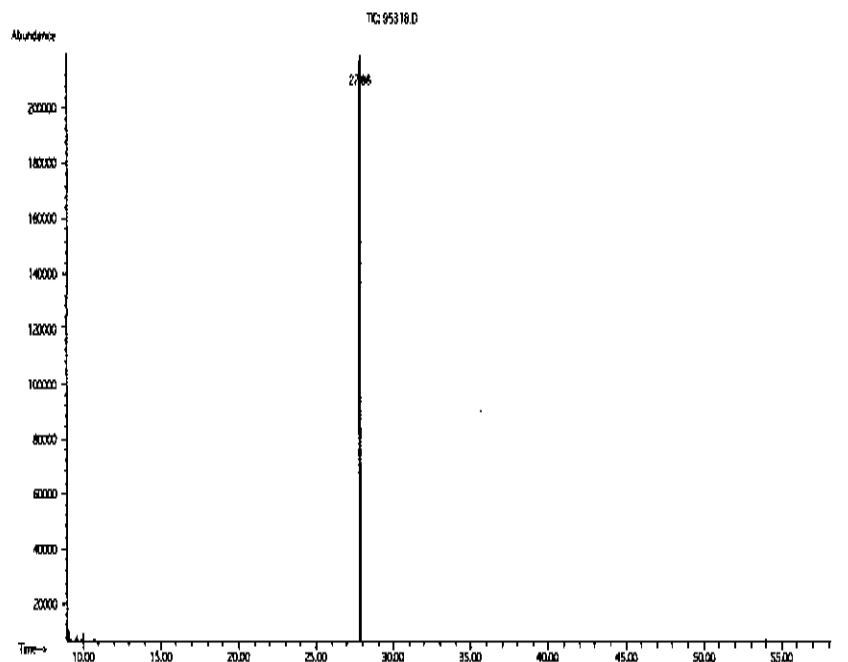
Weight(s) shown below were combined and diluted to (mL): 25.0

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LDSO
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1. 2-Chloroethyl vinyl ether	74	03208CI	10000	99	0.2	0.25256	0.02528	1000.9	5.7	110-75-8	N/A	ori-rat 250mg/kg
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Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0123929
Description : Custom 8260 Internal Standard Mix
Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2020 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I. K=2)	Measurement Method
1	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 Purity 99% (Lot PR-18488)	25,088.0 µg/mL	+/- 232.1691 µg/mL	Gravimetric
			+/- 1,418.2089 µg/mL	Unstressed
			+/- 1,450.8610 µg/mL	Stressed
2	1,4-Difluorobenzene CAS # 540-36-3 Purity 99% (Lot MKBN8571V)	25,144.0 µg/mL	+/- 232.6873 µg/mL	Gravimetric
			+/- 1,421.3746 µg/mL	Unstressed
			+/- 1,454.0995 µg/mL	Stressed
3	Chlorobenzene-d5 CAS # 3114-55-4 Purity 99% (Lot PR-23926)	25,012.0 µg/mL	+/- 231.4658 µg/mL	Gravimetric
			+/- 1,413.9127 µg/mL	Unstressed
			+/- 1,446.4658 µg/mL	Stressed
4	Pentafluorobenzene CAS # 363-72-4 Purity 99% (Lot MKBT9337V)	25,224.0 µg/mL	+/- 233.4276 µg/mL	Gravimetric
			+/- 1,425.8969 µg/mL	Unstressed
			+/- 1,458.7260 µg/mL	Stressed



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0127174

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
1	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 01127COV) Purity 99%	2,506.0 µg/mL	+/- 14.7066	µg/mL	Gravimetric	
			+/- 140.5232	µg/mL	Unstressed	
			+/- 143.8106	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1666
Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0133055

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95%, G1, K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBG9852V)	50,032.0 µg/mL	+/- 292.9484 µg/mL +/- 1,071.7518 µg/mL +/- 1,102.8773 µg/mL Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000202404
Manufactured Date: 2018/05/21
Expiration Date: 2020/05/18
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.2000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

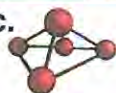


Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2015, 17025:2005
Panoli, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **010419**
Description: **Universal VOA Megamix**
69 components

Solvent(s): **Lot#**
Methanol **DT14006**

Expiration Date: **010422**
Recommended Storage: **Freezer (0 °C)**
Nominal Concentration (µg/mL): **2000**
NIST Test ID#: **2684186**

<i>Eli Alago</i>		010419
Formulated By:	Eli Alago	DATE
<i>Padro L. Renias</i>		010419
Reviewed By:	Padro L. Renias	DATE

Weight(s) shown below were combined and diluted to (mL): **100.0 0.001** Balance Uncertainty **5E-05** Flask Uncertainty

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc. (µg/mL)	Nominal Conc. (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	060812	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20040	2001.8	8.1	75-05-8	40 ppm (70mg/m3/8H)	ori-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20210	2000.6	8.1	107-05-1	1 ppm (3mg/m3/8H)	ori-rat 700mg/kg
3. Carbon disulphide	(0080)	MKB26689V	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20215	2001.1	8.1	75-15-0	4 ppm (12mg/m3) (skin)	ori-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95.0	0.2	NA	0.21055	0.21060	2000.5	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP0041V	NA	NA	NA	2000	96.5	0.2	NA	0.20728	0.20745	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	209453	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20210	2000.6	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126FX	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20220	2001.6	8.1	97-83-2	N/A	ori-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF718V	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20140	2003.7	8.1	74-88-4	5 ppm(20mg/m3/8H)(skin)	ori-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20110	2000.7	8.1	78-83-1	50 ppm (150mg/m3/8H)	ori-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20215	2001.1	8.1	126-98-7	1 ppm (3mg/m3/8H)(skin)	ori-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.0	0.2	NA	0.20022	0.20120	2009.8	8.1	98-39-3	10 ppm(35mg/m3/8H)(skin)	ori-rat 277mg/kg
12. Methyl methacrylate	(0404)	03021BX	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20225	2002.8	8.1	80-62-6	100 ppm (410mg/m3/8H)	ori-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20220	2001.6	8.1	98-95-3	1 ppm (5mg/m3/8H)(skin)	ori-rat 780mg/kg
14. 2-Nitropropane	(0481)	14002JX	NA	NA	NA	2000	95.0	0.2	NA	0.21055	0.21060	2000.5	8.5	79-46-9	10 ppm (35mg/m3/8H)	ori-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98.0	0.2	NA	0.20410	0.20425	2001.4	8.2	76-01-7	N/A	N/A
16. 1,1,2-Trichloro-1,1,2-difluoroethane	(0474)	18930	NA	NA	NA	2000	99.0	0.2	NA	0.20204	0.20215	2001.1	8.1	76-13-1	1000 ppm (7600mg/m3/8H)	ori-rat 439mg/kg
17. Bromodichloromethane	35171	051118	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	75-27-4	N/A	ori-rat 916mg/kg
18. Dibromochloromethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	124-48-1	N/A	ori-rat 848mg/kg
19. cis-1,2-Dichloroethane	35171	051118	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	1999.9	15.8	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	156-60-5	N/A	ori-rat 1235mg/kg
21. Methylene chloride	35171	051118	0.05	5.00	40003.2	2000	NA	NA	0.017	NA	NA	1999.9	15.8	75-09-2	500 ppm	ori-rat 820mg/kg
22. 1,1-Dichloroethane	32251	122818	0.10	10.00	20005.5	2000	NA	NA	0.042	NA	NA	2000.3	18.7	75-35-4	1 ppm (4mg/m3/8H)	ori-rat 200mg/kg
23. Bromoform	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	75-25-2	0.5 ppm (5mg/m3)	ori-rat 933mg/kg
24. Carbon tetrachloride	95321	010419	0.10	10.00	20001.3	2000	NA	NA	0.042	NA	NA	1999.9	18.7	56-23-5	2 ppm (12.6mg/m3/8H)	ori-rat 2350mg/kg
25. Chloroform	95321	010419	0.10	10.00	20001.8	2000	NA	NA	0.042	NA	NA	2000.0	18.7	67-66-3	80 ppm (240mg/m3) (CL)	ori-rat 608mg/kg
26. Dibromomethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	74-95-3	N/A	ori-rat 108mg/kg
27. 1,1-Dichloroethane	95321	010419	0.10	10.00	20000.8	2000	NA	NA	0.042	NA	NA	1999.9	18.7	75-34-3	100 ppm	ori-rat 725mg/kg
28. 2,2-Dichloropropane	95321	010419	0.10	10.00	20002.1	2000	NA	NA	0.042	NA	NA	2000.0	18.7	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	010419	0.10	10.00	20002.2	2000	NA	NA	0.042	NA	NA	2000.0	18.7	127-18-4	25 ppm (170mg/m3/8H)(linal)	ori-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	71-55-6	350 ppm (1900mg/m3/8H)	ori-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-12-8	0.001 ppm	ori-rat 170mg/kg
32. 1,2-Dibromoethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	108-93-4	20 ppm (8H)	ori-rat 108mg/kg
33. 1,2-Dichloroethane	35161	052418	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	107-06-2	50 ppm (8H)	ori-rat 670mg/kg
34. 1,2-Dichloropropane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	78-87-5	76 ppm (350mg/m3/8H)	ori-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	052418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	052418	0.05	5.00	39839.5	2000	NA	NA	0.017	NA	NA	1981.8	24.2	563-68-8	N/A	N/A
37. cis-1,3-Dichloropropene	35161	052418	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	16.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	052418	0.05	5.00	40000.9	2000	NA	NA	0.017	NA	NA	1999.8	15.8	87-68-3	0.02 ppm (0.24mg/m3/8H)	ori-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	630-20-6	N/A	ori-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	79-34-5	5 ppm (35mg/m3/8H)(skin)	ori-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	15.9	79-00-5	10 ppm (45mg/m3/8H)(skin)	ori-rat 836mg/kg
43. Trichloroethane	35161	052418	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.8	15.8	79-01-6	50 ppm (270mg/m3/8H)	ori-mus 240mg/kg
44. 1,2,3-Trichloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-18-4	10 ppm (60mg/m3/8H)	ori-rat 149.6mg/kg
45. Benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	71-43-2	1 ppm	ori-rat 4894mg/kg
46. Bromobenzene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-96-1	N/A	ori-rat 2699mg/kg
47. n-Butyl benzene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	104-51-8	N/A	N/A
48. Ethyl benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-41-4	100 ppm (439mg/m3/8H)	ori-rat >2000mg/kg
49. p-Isopropyl toluene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	99-87-6	N/A	ori-rat 4750mg/kg
50. Naphthalene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	91-20-3	10 ppm (50mg/m3/8H)	ori-rat 490mg/kg
51. Styrene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-42-5	100 ppm	ori-rat 5000mg/kg
52. Toluene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-88-3	200 ppm	ori-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	060418	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	87-61-6	N/A	lpr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	120-82-1	5 ppm (CL) (40mg/m3)	ori-rat 760mg/kg
55. 1,2,4-Trimethylbenzene	35162	060418	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	95-63-6	N/A	ori-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	060418	0.05	5.00	40000.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	108-67-8	N/A	N/A
57. m-Xylene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-38-3	100 ppm (439mg/m3/8H)	ori-rat 5g/kg
58. tert-Butyl benzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	135-98-8	N/A	ori-rat 2240mg/kg
60. Chlorobenzene	35163	051118	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-90-7	75 ppm (350mg/m3/8H)	ori-rat 2290mg/kg
61. 2-Chlorotoluene	35163	051118	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	95-49-8	50 ppm (250mg/m3/8H)	ori-rat 3600mg/kg
62. 4-Chlorotoluene	35163	051118	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.8	15.9	106-43-4	N/A	ori-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	051118	0.05	5.00	40002.3	2000	NA	NA	0.017	NA	NA	1999.9	15.8	85-50-1	50 ppm (300mg/m3) (CL)	ori-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.9	541-73-1	N/A	lpr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	106-46-7	75 ppm (450mg/m3/8H)	ori-rat 500mg/kg

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	May 1, 2015

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
 LC50 Inhalation - rat - 4 h - 64000 ppm
 LD50 Dermal - rabbit - 15,800 mg/kg
 Toxic if absorbed through skin. Causes skin irritation.
 Eye damage/eye irritation
 Toxic if inhaled. Causes respiratory tract irritation.
 Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
 EC50 24,500.00 mg/l - 48 h
 EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
 SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	May 1, 2015

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

		H315	Causes skin and eye irritation.
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm	
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)	NA	Melting Point	0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA
Solubility in Water	Completely miscible		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **010719**
Description: **Universal VOA Megamix**
69 components

Solvent(s): **Me**
Methanol
Lot# **DT140Q6**

<i>Justin Dippold</i>		010719
Formulated By:	Justin Dippold	DATE
<i>Pedro L. Rentes</i>		010719
Reviewed By:	Pedro L. Rentes	DATE

Expiration Date: 010722
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 2684186

SE-05 Balance Uncertainty
100.0 0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL):

Compound	(RM#) Part Number	Lot Number	DI Factor	Initial Vol. (mL)	Initial Conc. (µg/mL)	Nominal Conc. (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LDSO
1. Acetonitrile	(0324)	060812	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20050	2002.8	8.1	75-05-8	40 ppm (70mg/m3/8H)	ori-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	107-05-1	1 ppm (3mg/m3/8H)	ori-rat 700mg/kg
3. Carbon disulfide	(0050)	MKBZ8689V	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	75-15-0	4 ppm (12mg/m3) (skin)	ori-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718FF	NA	NA	NA	2000	95	0.2	NA	0.21055	0.21075	2001.9	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20728	0.20750	2002.2	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	209453	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20230	2002.6	8.2	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20225	2002.1	8.1	97-63-2	N/A	ori-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20135	2003.2	8.1	74-88-4	5 ppm (28mg/m3/8H)(skin)	ori-rat 78mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20120	2001.7	8.1	78-83-1	50 ppm (150mg/m3/8H)	ori-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	126-98-7	1 ppm (3mg/m3/8H)(skin)	ori-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20202	0.20100	2007.6	8.1	96-33-3	10 ppm (35mg/m3/8H)(skin)	ori-rat 277mg/kg
12. Methyl methacrylate	(0404)	03021BX	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20220	2001.6	8.1	90-62-6	100 ppm (410mg/m3/8H)	ori-rat 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	98-95-3	1 ppm (5mg/m3/8H)(skin)	ori-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	95	0.2	NA	0.21055	0.21075	2001.9	8.5	79-48-9	10 ppm (35mg/m3/8H)	ori-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA001	NA	NA	NA	2000	98	0.2	NA	0.20410	0.20430	2001.9	8.2	76-01-7	N/A	N/A
16. 1,1,2-Trichloroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20220	2001.6	8.1	76-13-1	1000 ppm (7800mg/m3/8H)	ori-rat 43g/kg
17. Bromodichloromethane	35171	051118	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	75-27-4	N/A	ori-rat 916mg/kg
18. Dibromodichloromethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	124-48-1	N/A	ori-rat 848mg/kg
19. cis-1,2-Dichloroethane	35171	051118	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	1999.9	15.8	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	156-60-5	N/A	ori-rat 1235mg/kg
21. Methylene chloride	35171	051118	0.05	5.00	40003.2	2000	NA	NA	0.017	NA	NA	1999.9	15.8	75-09-2	600 ppm	ori-rat 820mg/kg
22. 1,1-Dichloroethane	32251	122818	0.10	10.00	20005.5	2000	NA	NA	0.042	NA	NA	2000.3	18.7	75-35-4	1 ppm (4mg/m3/8H)	ori-rat 200mg/kg
23. Bromoform	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	75-25-2	0.5 ppm (5mg/m3) (skin)	ori-rat 933mg/kg
24. Carbon tetrachloride	95321	010419	0.10	10.00	20001.3	2000	NA	NA	0.042	NA	NA	1999.9	18.7	56-23-5	2 ppm (12.8mg/m3/8H)	ori-rat 2350mg/kg
25. Chloroform	95321	010419	0.10	10.00	20001.8	2000	NA	NA	0.042	NA	NA	2000.0	18.7	67-66-3	50 ppm (240mg/m3) (CL)	ori-rat 908mg/kg
26. Dibromomethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	74-95-3	N/A	ori-rat 108mg/kg
27. 1,1-Dichloropropane	95321	010419	0.10	10.00	20000.8	2000	NA	NA	0.042	NA	NA	1999.9	18.7	75-34-3	100 ppm	ori-rat 725mg/kg
28. 2,2-Dichloropropane	95321	010419	0.10	10.00	20002.1	2000	NA	NA	0.042	NA	NA	2000.0	18.7	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	010419	0.10	10.00	20002.2	2000	NA	NA	0.042	NA	NA	2000.0	18.7	127-18-4	25 ppm (1170mg/m3/8H)(inhal)	ori-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	71-55-6	350 ppm (1900mg/m3/8H)	ori-rat 10000mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-12-8	0.001 ppm	ori-rat 170mg/kg
32. 1,2-Dibromoethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	106-93-4	20 ppm (8H)	ori-rat 108mg/kg
33. 1,2-Dichloroethane	35161	052418	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	107-06-2	50 ppm (8H)	ori-rat 670mg/kg
34. 1,2-Dichloropropane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	78-87-5	75 ppm (350mg/m3/8H)	ori-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	052418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropane	35161	052418	0.05	5.00	39639.5	2000	NA	NA	0.017	NA	NA	1981.8	24.2	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropane	35161	052418	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropane	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	16.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	052418	0.05	5.00	40000.9	2000	NA	NA	0.017	NA	NA	1999.8	15.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	ori-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.6	15.8	630-20-6	N/A	ori-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	79-34-5	5 ppm (35mg/m3/8H)(skin)	ori-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	15.9	79-00-5	10 ppm (45mg/m3/8H)(skin)	ori-rat 838mg/kg
43. Trichloroethane	35161	052418	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.8	15.8	79-01-6	50 ppm (270mg/m3/8H)	ori-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-18-4	10 ppm (60mg/m3/8H)	ori-rat 149.8mg/kg
45. Benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	71-43-2	1 ppm	ori-rat 4894mg/kg
46. Bromobenzene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-86-1	N/A	ori-rat 2899mg/kg
47. n-Butyl benzene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	104-51-8	N/A	N/A
48. Ethyl benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-41-4	100 ppm (435mg/m3/8H)	ori-rat >2000mg/kg
49. p-Isopropyl toluene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	99-87-6	N/A	ori-rat 4750mg/kg
50. Naphthalene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	91-20-3	10 ppm (60mg/m3/8H)	ori-rat 490mg/kg
51. Styrene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-42-5	100 ppm	ori-rat 6000mg/kg
52. Toluene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-88-3	200 ppm	ori-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	060418	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	87-61-6	N/A	lpr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	120-82-1	5 ppm (CL) (40mg/m3)	ori-rat 758mg/kg
55. 1,2,4-Trimethylbenzene	35162	060418	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	95-63-6	N/A	ori-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	060418	0.05	5.00	40000.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	108-67-8	N/A	N/A
57. m-Xylene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-38-3	100 ppm (435mg/m3/8H)	ori-rat 5g/kg
58. tert-Butyl benzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	135-98-8	N/A	ori-rat 2240mg/kg
60. Chlorobenzene	35163	051118	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.9	15.8	108-90-7	75 ppm (350mg/m3/8H)	ori-rat 2290mg/kg
61. 2-Chlorotoluene	35163	051118	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	95-49-9	50 ppm (250mg/m3/8H)	ori-rat 3900mg/kg
62. 4-Chlorotoluene	35163	051118	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.8	15.9	106-43-4	N/A	ori-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	051118	0.05	5.00	40002.3	2000	NA	NA	0.017	NA	NA	1999.9	15.8	85-50-1	50 ppm (300mg/m3) (CL)	ori-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.9	541-73-1	N/A	lpr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	106-46-7	75 ppm (450mg/m3/8H)	ori-rat 600mg/kg



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 082719
Description: Acrolein

Expiration Date: 092719
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

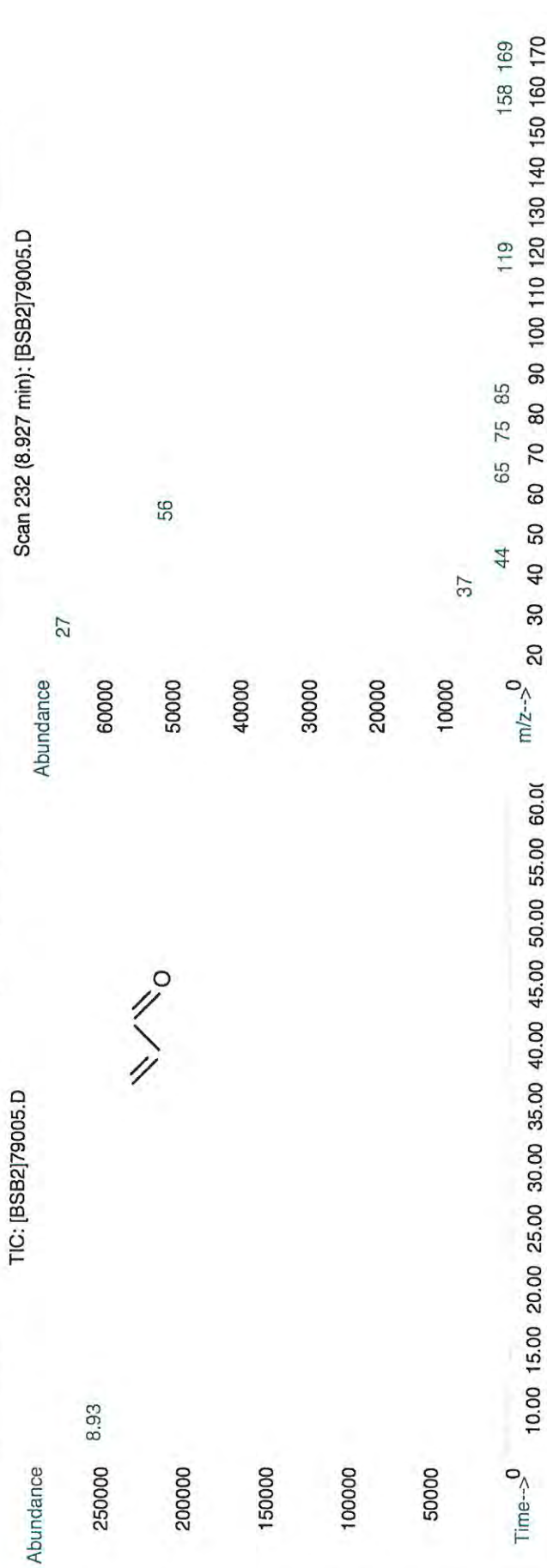
Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s): Water
Lot# 062419Q

Formulated By:	Justin Dippold	082719	DATE
Reviewed By:	Pedro L. Rentas	082719	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)
1. Acrolein	5	04715LL	5000	97	0.2	0.05157	0.05185	5027.5	23.9	107-02-8	0.1 ppm orl-rat 46mg/kg

Method: GC&MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 082819
Description: Acrolein

Expiration Date: 092819
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water
Lot# 062419Q

Formulated By:	Prashant Chauhan	082819	DATE
Reviewed By:	Pedro L. Rentas	082819	DATE

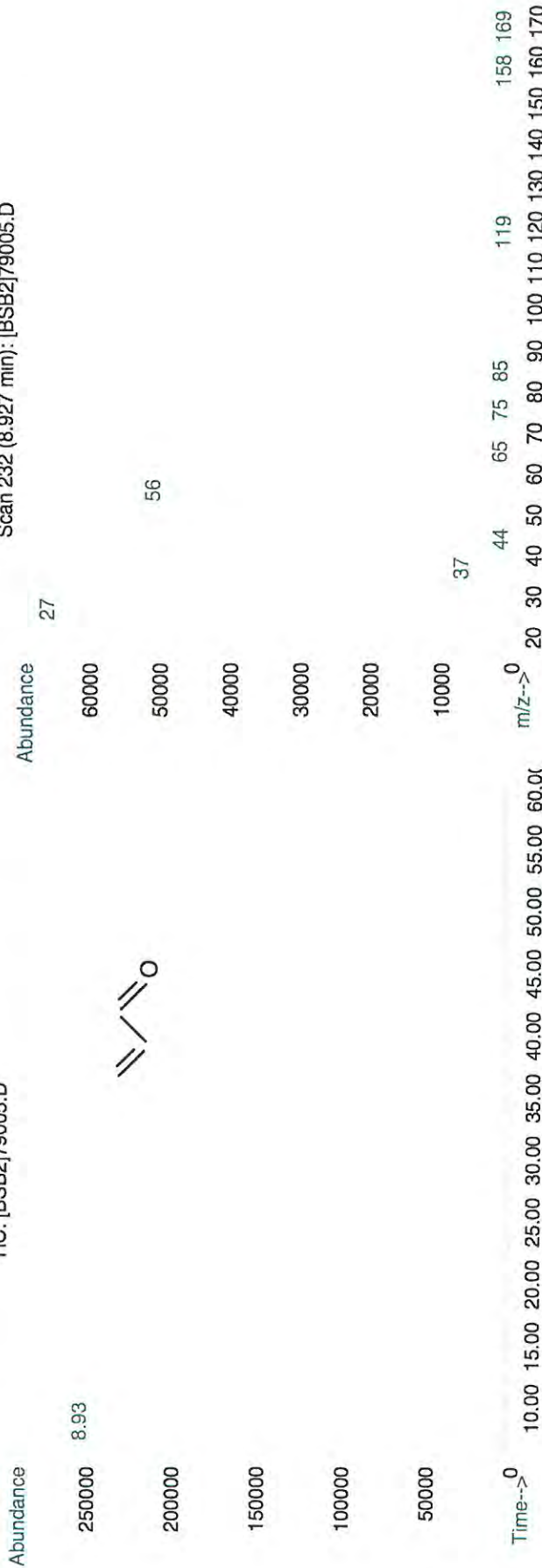
Weight(s) shown below were combined and diluted to (mL): 20.0

5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL) (+/-)	OSHA PEL (TWA)	LD50	
1. Acrolein	5	07813BN	5000	97	0.2	0.10302	0.10352	5024.4	21.3	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Voccol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	May 1, 2018

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H315 Causes skin and eye irritation.

P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm	
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)	NA	Melting Point	0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA
Solubility in Water	Completely miscible		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products - No data available	

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0140223
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2025 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Dichlorodifluoromethane (CFC-12)	2,001.8 µg/mL	+/-	13.9358	µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/-	112.5026	µg/mL	Unstressed
	Purity 99%		+/-	115.1229	µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,002.1 µg/mL	+/-	13.1132	µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBJ6334)		+/-	112.4175	µg/mL	Unstressed
	Purity 99%		+/-	115.0404	µg/mL	Stressed
3	Vinyl chloride	2,000.6 µg/mL	+/-	13.0868	µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00012557)		+/-	112.3308	µg/mL	Unstressed
	Purity 99%		+/-	114.9518	µg/mL	Stressed
4	Bromomethane (methyl bromide)	2,002.3 µg/mL	+/-	13.8451	µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/-	112.5163	µg/mL	Unstressed
	Purity 99%		+/-	115.1375	µg/mL	Stressed
5	Chloroethane (ethyl chloride)	2,002.9 µg/mL	+/-	13.9516	µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/-	112.5604	µg/mL	Unstressed
	Purity 99%		+/-	115.1821	µg/mL	Stressed
6	Trichlorofluoromethane (CFC-11)	2,000.2 µg/mL	+/-	13.0598	µg/mL	Gravimetric
	CAS # 75-69-4 (Lot SHBH4155V)		+/-	112.3044	µg/mL	Unstressed
	Purity 99%		+/-	114.9249	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

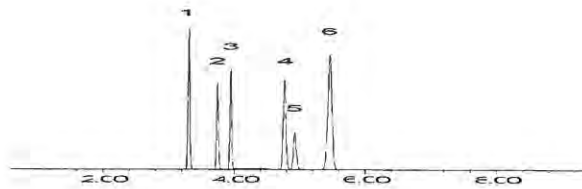
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cydnei L. Crust
Cydnei L. Crust - Mix Technician

Date Mixed: 01-Aug-2018 Balance: B707717271

Jennifer L. Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 16-Aug-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
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www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 Lot No.: A0144104
 Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : August 31, 2025 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot 00012554) Purity 99%	1,999.9 µg/mL	+/- 13.7815	µg/mL	Gravimetric
			+/- 112.3751	µg/mL	Unstressed
			+/- 114.9932	µg/mL	Stressed
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBJ6334) Purity 99%	2,000.0 µg/mL	+/- 17.2612	µg/mL	Gravimetric
			+/- 112.8635	µg/mL	Unstressed
			+/- 115.4710	µg/mL	Stressed
3	Vinyl chloride CAS # 75-01-4 (Lot 00012557) Purity 99%	2,000.2 µg/mL	+/- 16.3520	µg/mL	Gravimetric
			+/- 112.7385	µg/mL	Unstressed
			+/- 115.3493	µg/mL	Stressed
4	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,000.2 µg/mL	+/- 14.6880	µg/mL	Gravimetric
			+/- 112.5059	µg/mL	Unstressed
			+/- 115.1218	µg/mL	Stressed
5	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 107-401039114-1) Purity 99%	2,000.2 µg/mL	+/- 12.9653	µg/mL	Gravimetric
			+/- 112.2934	µg/mL	Unstressed
			+/- 114.9142	µg/mL	Stressed
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 (Lot SHBH4155V) Purity 99%	1,999.9 µg/mL	+/- 17.7163	µg/mL	Gravimetric
			+/- 112.9252	µg/mL	Unstressed
			+/- 115.5309	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

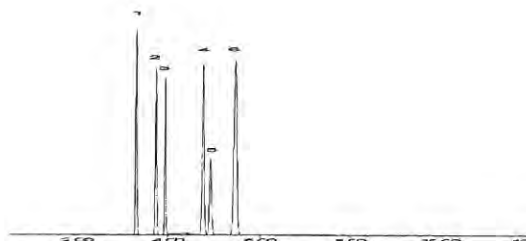
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

F. Joseph Tallon
F. Joseph Tallon - Mtx Technician

Date Mixed: 13-Dec-2018 Balance: B251644995

Jennifer J Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 18-Dec-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000199507
Manufactured Date: 2018/06/25
Expiration Date: 2020/06/22
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	<0.1
Titration Acid (µeq/g)	<= 0.3	< 0.1
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India 9001:2015, 14001:2015, 13485:2015
Mumbai, India 9001:2015
Panaji, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Methanol
ULTRA RESI-ANALYZED
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Dehradun, India 9001:2015, 14001:2015, 13485:2016
Mumbai, India 9001:2015
Panoli, India 9001:2015

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RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0141722
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : December 31, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Acetone	5,000.2 µg/mL (Lot SHBJ4459)	+/-	29.0716	µg/mL	Gravimetric
	CAS # 67-64-1		+/-	301.6842	µg/mL	Unstressed
	Purity 99%		+/-	302.4005	µg/mL	Stressed
2	2-Butanone (MEK)	5,001.3 µg/mL (Lot SHBH7233)	+/-	29.0780	µg/mL	Gravimetric
	CAS # 78-93-3		+/-	301.7506	µg/mL	Unstressed
	Purity 99%		+/-	302.4670	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	5,002.1 µg/mL (Lot SHBH8930)	+/-	29.0826	µg/mL	Gravimetric
	CAS # 108-10-1		+/-	301.7989	µg/mL	Unstressed
	Purity 99%		+/-	302.5154	µg/mL	Stressed
4	2-Hexanone	5,001.8 µg/mL (Lot MKCD9048)	+/-	29.0809	µg/mL	Gravimetric
	CAS # 591-78-6		+/-	301.7808	µg/mL	Unstressed
	Purity 99%		+/-	302.4972	µg/mL	Stressed
Solvent:	P&T Methanol/Water (90:10)					
	CAS # 67-56-1/7732-18-5					
	Purity 99%					

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

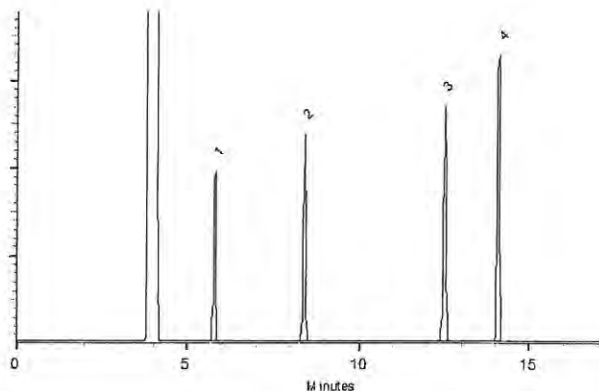
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)


Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


F. Joseph Fallon - Mix Technician

Date Mixed: 20-Sep-2018 Balance: B251644995


Justin Albertson - Operations Tech-ARM QC

Date Passed: 24-Sep-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



Safety Data Sheet

Revision Date: 06/12/19

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30006 / VOA Calibration Mix #1
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 14
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.
Store locked up.

- Disposal:** Dispose of contents/container according to section 13 of the SDS.
- Single Exposure Target Organs:** Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
- Repeated Exposure Target Organs:** Specific target organ toxicity - Repeated exposure - STOT RE 1: H372 Causes damage to organs through prolonged or repeated exposure. (No information to prove exclusion of certain routes of exposure)

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	88.2
water	7732-18-5	231-791-2	9.8
Acetone	67-64-1	200-662-2	0.5
4-Methyl-2-pentanone	108-10-1	203-550-1	0.5
Methyl ethyl ketone	78-93-3	201-159-0	0.5
2-hexanone	591-78-6	209-731-1	0.5

4. FIRST-AID MEASURES

- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately. Remove to fresh air.
- Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Ingestion:** Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS. No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

- Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.
- Fire and/or Explosion Hazards:** Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.
- Fire Fighting Methods and Protection:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
- Hazardous Combustion Products:** None Known, Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions and Equipment:** Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including: the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
- Methods for Clean-up:** Prevent the spread of any spill to minimize harm to human health and the

environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment

Storage Technical Measures and Conditions: Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m ³ TWA
water	7732-18-5	Not established	None Known	Not established	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. No respiratory protection required under normal conditions of use. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	100 °C Boiling Point 64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	52
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm ³ at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	89.7
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatibility:	None Known
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide None Known

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs)Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	Contains a probable or known human carcinogen.
Reproductive and Developmental Toxicity:	Contains a known human reproductive and/or developmental hazard.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs)
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Water	7732-18-5	Oral LD50 Rat >90 mL/kg
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Methyl ethyl ketone	78-93-3	X	X	X	X
2-hexanone	591-78-6	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 04/11/19

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

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General Certified Reference Material Notes

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- Purity of isomeric compounds is reported as the sum of the isomers.
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- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000202813
Manufactured Date: 2018/05/21
Expiration Date: 2020/05/18
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.2000
Titration Acid (µeq/g)	<= 0.3	0.2
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Water (by KF, coulometric)	<= 0.08 %	< 0.01
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Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2015, 17025:2005
Panaji, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

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Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0148751

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2019 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Methyl acetate	2,008.5 µg/mL (Lot SHBG4345V)	+/-	11.7870	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	121.1923	µg/mL	Unstressed
	Purity 99%		+/-	121.4800	µg/mL	Stressed
2	Vinyl acetate	2,013.5 µg/mL (Lot STBD7333V)	+/-	11.8163	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	121.4940	µg/mL	Unstressed
	Purity 99%		+/-	121.7824	µg/mL	Stressed
3	Ethyl acetate	2,012.5 µg/mL (Lot SHBJ7347)	+/-	11.8105	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.4337	µg/mL	Unstressed
	Purity 99%		+/-	121.7219	µg/mL	Stressed
4	Isopropyl acetate	2,013.0 µg/mL (Lot BCBT9845)	+/-	11.8134	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	121.4638	µg/mL	Unstressed
	Purity 99%		+/-	121.7522	µg/mL	Stressed
5	Propyl acetate	2,011.5 µg/mL (Lot FGL01)	+/-	11.8046	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	121.3733	µg/mL	Unstressed
	Purity 99%		+/-	121.6614	µg/mL	Stressed
6	Butyl acetate	2,018.0 µg/mL (Lot SHBK5137)	+/-	11.8428	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.7655	µg/mL	Unstressed
	Purity 99%		+/-	122.0546	µg/mL	Stressed
7	Amyl acetate	2,020.0 µg/mL (Lot 41325/1)	+/-	11.8545	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	121.8862	µg/mL	Unstressed
	Purity 99%		+/-	122.1755	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

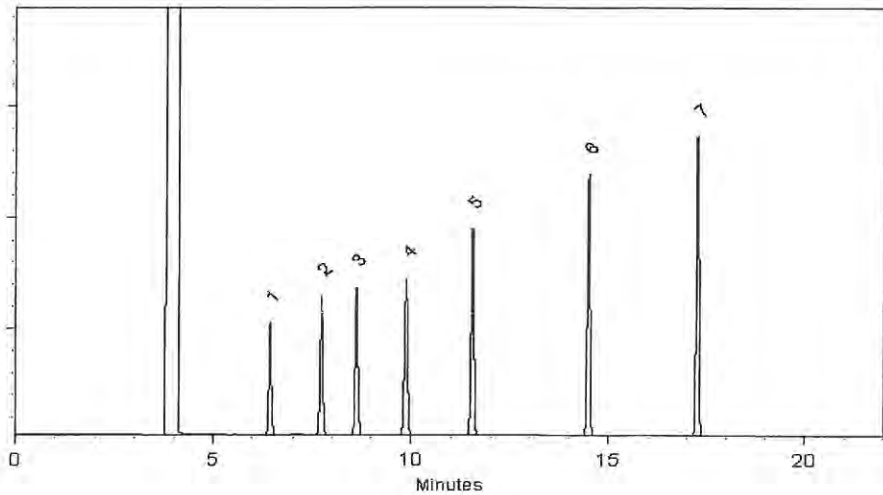
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Joseph Jaglowski
Joseph Jaglowski - Mix Technician

Date Mixed: 01-May-2019 Balance: B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 03-May-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



Safety Data Sheet

Revision Date: 05/14/19

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30489 / 8260B Acetates Mix
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 14
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Suspected of causing cancer.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.

Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

- Storage:** Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
- Disposal:** Dispose of contents/container according to section 13 of the SDS.
- Single Exposure Target Organs:** Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
- Repeated Exposure Target Organs:** No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	98.6
pentyl acetate (n-amyl acetate)	628-63-7	211-047-3	0.2
Isopropyl acetate	108-21-4	203-561-1	0.2
n-Butyl acetate	123-86-4	204-658-1	0.2
Vinyl acetate	108-05-4	203-545-4	0.2
n-Propyl acetate	109-60-4	203-686-1	0.2
Methyl acetate	79-20-9	201-185-2	0.2
Ethyl acetate	141-78-6	205-500-4	0.2

4. FIRST-AID MEASURES

- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
- Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Ingestion:** Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

- Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
- Fire and/or Explosion Hazards:** Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back
- Fire Fighting Methods and Protection:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
- Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment Wash thoroughly after handling Avoid contact with material. Remove contaminated clothing and wash before reuse "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m ³ TWA
Vinyl acetate	108-05-4	Not established	15 ppm STEL; 53 mg/m ³ STEL	10 ppm TWA; 35 mg/m ³ TWA	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection:

No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	72.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)

Melting Point (°C):	-98 °C
Flash Point (°F):	18
Flammability:	Highly Flammable Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	0
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	99.8
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known. Contamination
Materials to Avoid / Chemical Incompatibility:	Acids Oxidizing materials Peroxides Strong alkalis
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs") Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death. May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:	Chemical Name	CAS No.	LD50/LC50
	Vinyl acetate	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H;
	Acetic acid, vinyl ester		Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg

Methanol 67-56-1 Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.	
Vinyl acetate	108-05-4	Present

ACGIH:

Chemical Name	CAS No.	
Vinyl acetate	108-05-4	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.
Monograph 63; 1995	108-05-4	Group 2B

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	Biodegrades slowly.
Ecological Toxicity Data:	No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

International:	
IATA Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl acetate	108-05-4	X	X	X	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
pentyl acetate (n-amyl acetate)	628-63-7	X	X	X	X
Isopropyl acetate	108-21-4	X	X	X	X
n-Butyl acetate	123-86-4	X	X	X	X
Vinyl acetate	108-05-4	X	X	X	X
n-Propyl acetate	109-60-4	X	X	X	X
Methyl acetate	79-20-9	X	X	X	X
Ethyl acetate	141-78-6	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 01/17/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 Lot No.: A0149877

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : December 31, 2019 Storage: 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Methyl acetate CAS # 79-20-9 Purity 99% (Lot SHBK5436)	2,015.0 µg/mL	+/- 11.8251	µg/mL	Gravimetric	
			+/- 121.5845	µg/mL	Unstressed	
			+/- 121.8731	µg/mL	Stressed	
2	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	2,018.0 µg/mL	+/- 11.8428	µg/mL	Gravimetric	
			+/- 121.7655	µg/mL	Unstressed	
			+/- 122.0546	µg/mL	Stressed	
3	Ethyl acetate CAS # 141-78-6 Purity 99% (Lot SHBK2184)	2,016.0 µg/mL	+/- 11.8310	µg/mL	Gravimetric	
			+/- 121.6448	µg/mL	Unstressed	
			+/- 121.9336	µg/mL	Stressed	
4	Isopropyl acetate CAS # 108-21-4 Purity 99% (Lot BCBT9845)	2,015.0 µg/mL	+/- 11.8251	µg/mL	Gravimetric	
			+/- 121.5845	µg/mL	Unstressed	
			+/- 121.8731	µg/mL	Stressed	
5	Propyl acetate CAS # 109-60-4 Purity 99% (Lot MUZQD)	2,008.0 µg/mL	+/- 11.7841	µg/mL	Gravimetric	
			+/- 121.1621	µg/mL	Unstressed	
			+/- 121.4497	µg/mL	Stressed	
6	Butyl acetate CAS # 123-86-4 Purity 99% (Lot SHBK5137)	2,018.0 µg/mL	+/- 11.8428	µg/mL	Gravimetric	
			+/- 121.7655	µg/mL	Unstressed	
			+/- 122.0546	µg/mL	Stressed	
7	Amyl acetate CAS # 628-63-7 Purity 99% (Lot 41325/1)	2,016.0 µg/mL	+/- 11.8310	µg/mL	Gravimetric	
			+/- 121.6448	µg/mL	Unstressed	
			+/- 121.9336	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Itx-502.2 (cat.#10910)

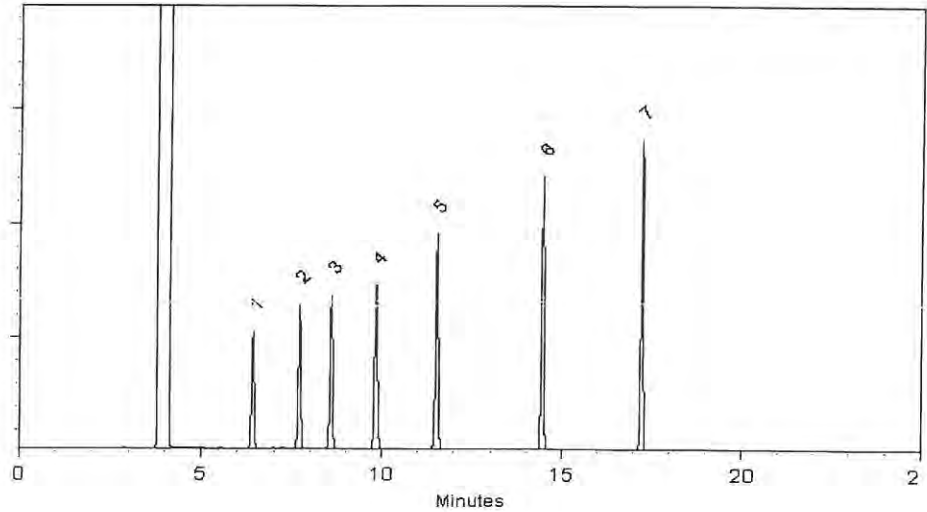
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

inj. Temp:
200°C

Det. Temp:
150°C

Det. Type:
FID

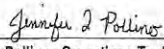


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 06-Jun-2019

Balance: B251644995


Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 07-Jun-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



Safety Data Sheet

Revision Date: 05/14/19

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30489 / 8260B Acetates Mix
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 14
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Suspected of causing cancer.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.

Take off immediately all contaminated clothing and wash it before reuse.
 In case of fire: Use extinguishing media in section 5 for extinction.

- Storage:** Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Store locked up.
- Disposal:** Dispose of contents/container according to section 13 of the SDS.
- Single Exposure Target Organs:** Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
- Repeated Exposure Target Organs:** No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	98.6
pentyl acetate (n-amyl acetate)	628-63-7	211-047-3	0.2
Isopropyl acetate	108-21-4	203-561-1	0.2
n-Butyl acetate	123-86-4	204-658-1	0.2
Vinyl acetate	108-05-4	203-545-4	0.2
n-Propyl acetate	109-60-4	203-686-1	0.2
Methyl acetate	79-20-9	201-185-2	0.2
Ethyl acetate	141-78-6	205-500-4	0.2

4. FIRST-AID MEASURES

- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
- Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Ingestion:** Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

- Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
- Fire and/or Explosion Hazards:** Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back
- Fire Fighting Methods and Protection:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
- Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment Wash thoroughly after handling Avoid contact with material. Remove contaminated clothing and wash before reuse "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m ³ TWA
Vinyl acetate	108-05-4	Not established	15 ppm STEL; 53 mg/m ³ STEL	10 ppm TWA; 35 mg/m ³ TWA	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection:

No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	72.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)

Melting Point (°C):	-98 °C
Flash Point (°F):	18
Flammability:	Highly Flammable Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	0
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	99.8
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known. Contamination
Materials to Avoid / Chemical Incompatibility:	Acids Oxidizing materials Peroxides Strong alkalies
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Vinyl acetate	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H;
Acetic acid, vinyl ester		Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg

Methanol 67-56-1 Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:
Chemical Name CAS No.
Vinyl acetate 108-05-4 Present

ACGIH:
Chemical Name CAS No.
Vinyl acetate 108-05-4 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH:
Chemical Name CAS No.
No data available

NTP:
Chemical Name CAS No.
No data available

IARC:
Chemical Name CAS No. Group No.
Monograph 63; 1995 108-05-4 Group 2B

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl acetate	108-05-4	X	X	X	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
pentyl acetate (n-amyl acetate)	628-63-7	X	X	X	X
Isopropyl acetate	108-21-4	X	X	X	X
n-Butyl acetate	123-86-4	X	X	X	X
Vinyl acetate	108-05-4	X	X	X	X
n-Propyl acetate	109-60-4	X	X	X	X
Methyl acetate	79-20-9	X	X	X	X
Ethyl acetate	141-78-6	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 01/17/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

Certificate of Composition



www.restek.com

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL Lot No.: A0150565
 Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : January 31, 2020 Storage: 0°C or colder
 Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
			Value	Unit	Method
1	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	8,080.0 µg/mL	+/- 47.4180	µg/mL	Gravimetric
			+/- 487.5448	µg/mL	Unstressed
			+/- 488.7021	µg/mL	Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

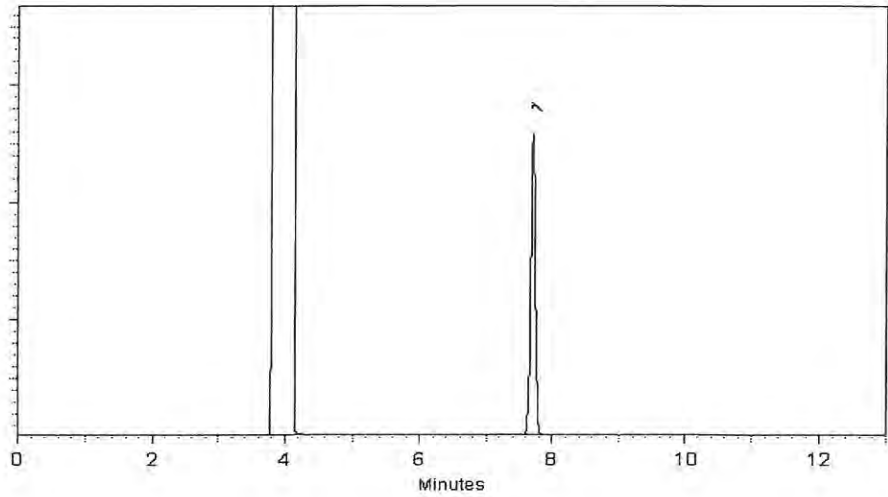
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish

Brandon Reish - Mix Technician

Date Mixed: 02-Jul-2019

Balance: 1127510105

Jennifer L Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 03-Jul-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 555408-SL / Custom Vinyl Acetate Standard
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 3
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed or in contact with skin.
Suspected of causing cancer.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF exposed: Call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment see section 4.

Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	99.2
Vinyl acetate	108-05-4	203-545-4	0.8

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal

protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment Wash thoroughly after handling Avoid contact with material. Remove contaminated clothing and wash before reuse "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
Vinyl acetate	108-05-4	Not established	15 ppm STEL; 53 mg/m3 STEL	10 ppm TWA; 35 mg/m3 TWA	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Explosion proof exhaust ventilation should be used.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	No data available
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	72.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	18
Flammability:	Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	0
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available

Solubility: Moderate; 50-99%
 Partition Coefficient: n-octanol in water: No data available
 VOC % by weight: 0
 Molecular Weight: 32.04

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
 Conditions to Avoid: None known. Contamination
 Materials to Avoid / Chemical Incompatibility: Acids Oxidizing materials Peroxides Strong alkalis
 Hazardous Decomposition Products: Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion
 Target Organs Potentially Affected By Exposure: Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
 Chemical Interactions That Change Toxicity: None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
 Inhalation Toxicity: Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
 Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
 Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
 Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
 Ingestion Toxicity: Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity: No data.
 Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
 Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
 Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
 Skin Absorption: Upon prolonged or repeated exposure, no hazard in normal industrial use.
 Ingestion: Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Vinyl acetate	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H; Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg
Acetic acid, vinyl ester		
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.	
Vinyl acetate	108-05-4	Present

ACGIH:

Chemical Name	CAS No.	
Vinyl acetate	108-05-4	A3 - Confirmed Animal Carcinogen with

Unknown Relevance to Humans

NIOSH:

Chemical Name CAS No.
No data available

NTP:

Chemical Name CAS No.
No data available

IARC:

Chemical Name CAS No. Group No.
Monograph 63; 1995 108-05-4 Group 2B

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3(6.1)
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl acetate	108-05-4	X	X	X	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
Vinyl acetate	108-05-4	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 08/04/16

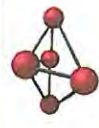
Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



Analytical Reference Material ARM



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 031419
Description: 2-Chloroethyl vinyl ether

Expiration Date: 031422
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2684186

Weight(s) shown below were combined and diluted to (mL): 30.0

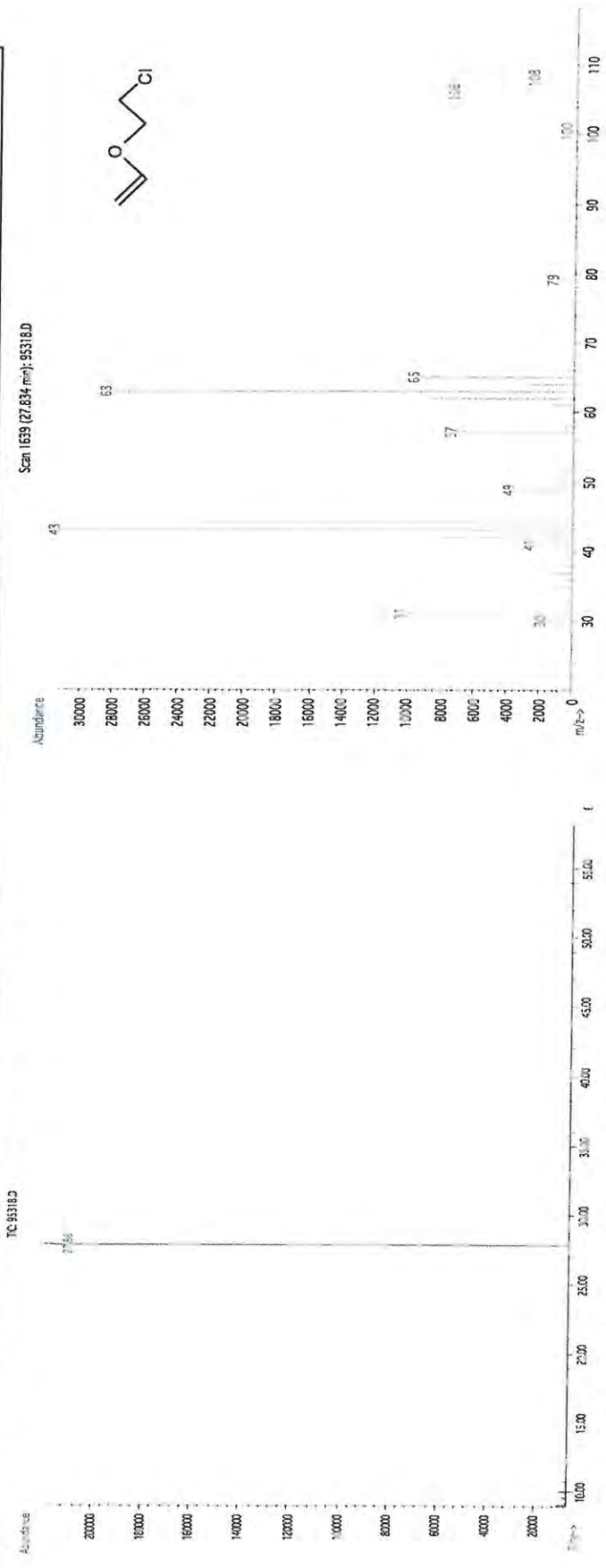
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Solvent(s): Methanol
Lot# DU230-US

<i>Eli Aliaga</i>		031419
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		031419
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LDSO
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30284	0.30292	10002.6	40.6	110-75-8	N/A	ort-rat 250mg/kg	

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).





Analytical Reference Material ARM



CERTIFIED WEIGHT REPORT

Part Number: 95319
Lot Number: 050119
Description: Revised Additions Mix
11 components
050122
Expiration Date: Refrigerate (4 °C)
Recommended Storage: Varied
Nominal Concentration (µg/mL): 6UTB
NIST Test ID#: 5E-05 Balance Uncertainty
0.001 Flask Uncertainty

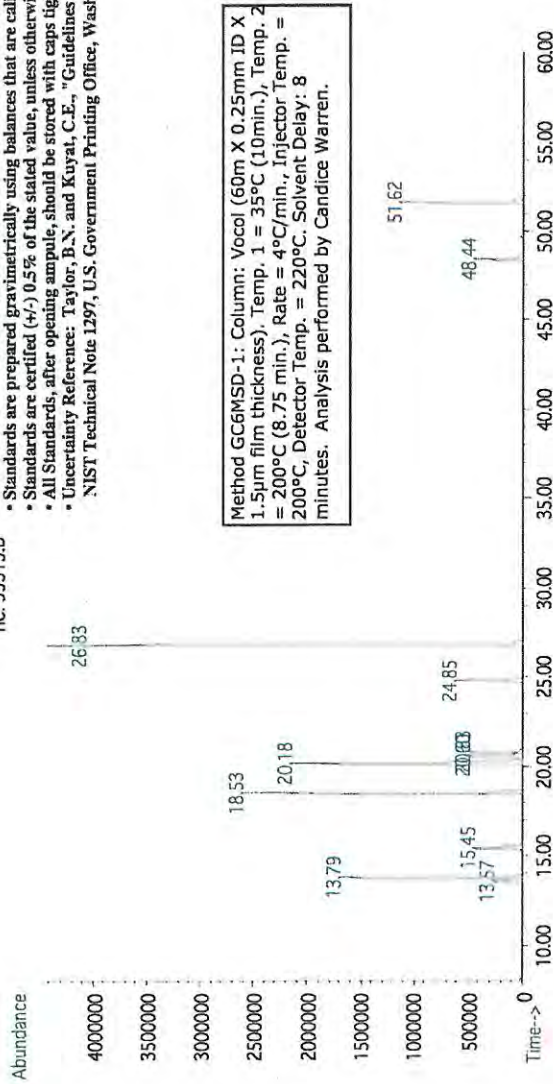
Solvent(s): Methanol
Lot# DU230-US

Formulated By: Justin Dippold	050119
DATE	DATE
Reviewed By: Pedro L. Rentas	050119
DATE	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL) (+/-)	Expanded Uncertainty (µg/mL)	SDS Information		
									(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA) LD50	
1. Acrylonitrile	7	4718CK	10000	99	1.01021	1.01045	10002.4	40.4	107-13-1	N/A	
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.20103	0.20124	2002.1	8.1	109-69-3	N/A	
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.20103	0.20118	2001.5	8.1	110-82-7	300 ppm (1050mg/m3/8H) orl-rat 2670mg/kg	
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.20204	0.20222	2001.8	8.1	108-20-3	500 ppm (2100mg/m3/8H) orl-rat 12705mg/kg	
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	40003.8	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin) orl-rat 8470mg/kg	
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	2001.9	8.1	67-72-1	1 ppm (10mg/m3/8H)(skin) orl-mus 5700mg/kg	
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20204	2001.5	8.1	108-87-2	N/A	
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20059	2001.7	8.1	1634-04-4	N/A
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02067	20002.4	80.8	107-12-0	orl-rat 4g/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00139	10002.8	40.1	109-99-9	20 ppm (590mg/m3/8H) orl-rat 39mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21530	2002.1	8.7	488-23-3	orl-rat 2500mg/kg orl-rat 6408mg/kg

TIC: 95319.D



Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Analytical Reference Material ARM



CERTIFIED WEIGHT REPORT

Part Number: 95319
Lot Number: 050219
Description: Revised Additions Mix
11 components
050222
Refrigerate (4 °C)
Varied
6UTB

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

Solvent(s): Methanol
Lot# DU230-US

Formulated By: Prashant Chauhan
DATE 050219

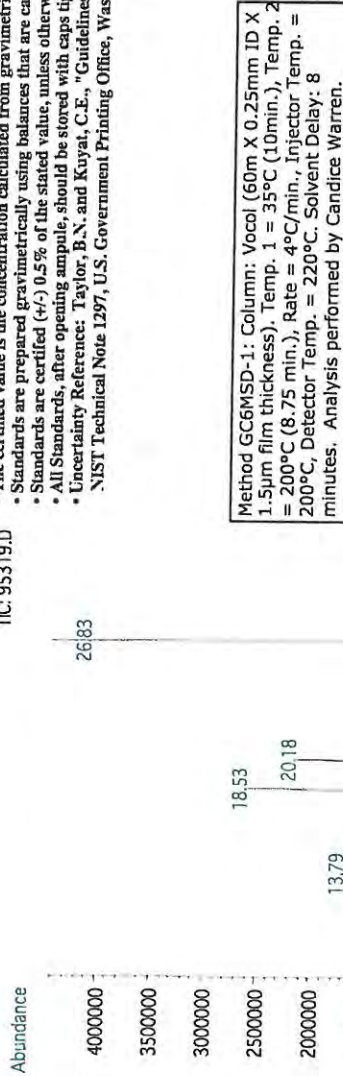
Reviewed By: Pedro L. Rentas
DATE 050219

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01061	10003.9	40.4	107-13-1	N/A
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20120	2001.7	8.1	109-69-3	ori-rat 78 mg/kg ori-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20103	0.20120	2001.7	8.1	110-82-7	300 ppm (1050mg/m3/8H) ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20224	2002.0	8.1	108-20-3	500 ppm (2100mg/m3/8H) ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04110	40002.5	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin) ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20224	2002.0	8.1	67-72-1	1 ppm (10mg/m3/8H)(skin) ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20042	0.20062	2002.0	8.1	1634-04-4	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20062	2002.0	8.1	107-12-0	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02082	20003.9	80.8	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00151	10004.0	40.1	109-99-9	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21540	2003.0	8.7	488-23-3	ori-rat 6408mg/kg

TIC: 95319.D



Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	May 1, 2018

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYLALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
 LC50 Inhalation - rat - 4 h - 64000 ppm
 LD50 Dermal - rabbit - 15,800 mg/kg
 Toxic if absorbed through skin. Causes skin irritation.
 Eye damage/eye irritation
 Toxic if inhaled. Causes respiratory tract irritation.
 Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
 EC50 24,500.00 mg/l - 48 h
 EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
 SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **70046**
 Lot Number: **072618**
 Description: **Bromochloromethane**

Solvent(s): **Methanol**
 Lot# **DS526**

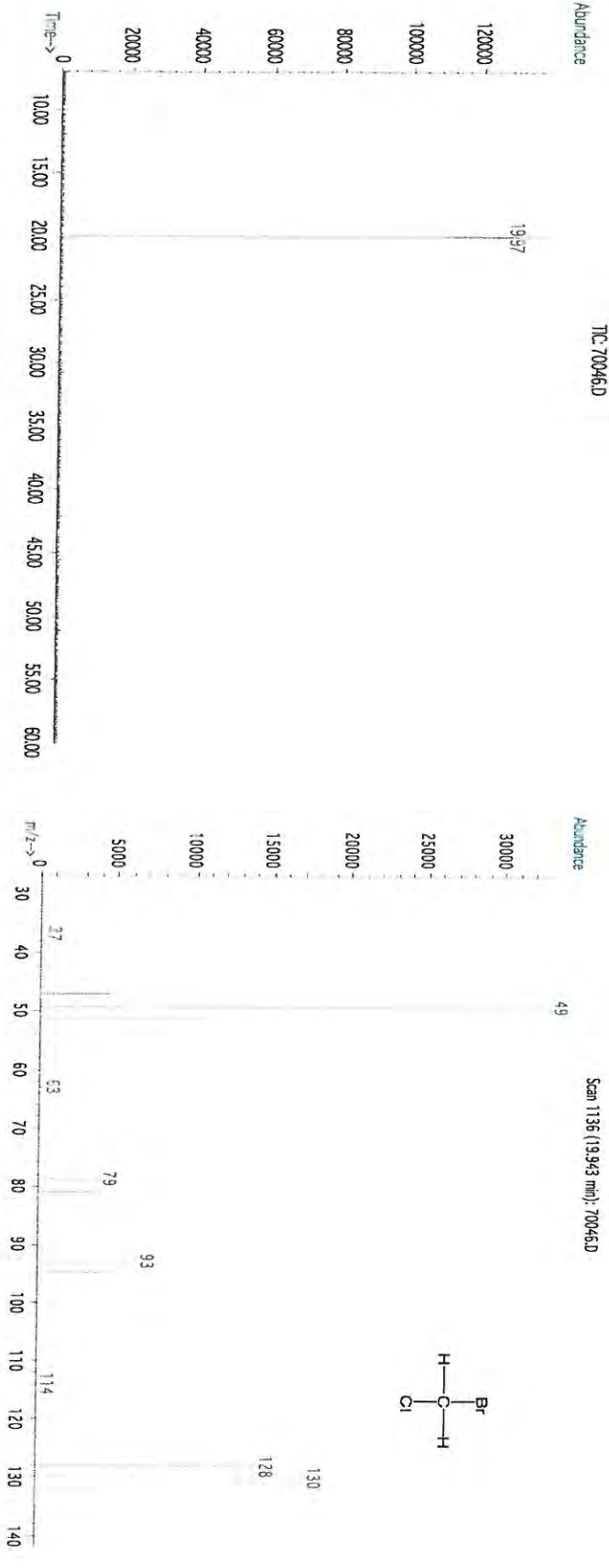
Expiration Date: **072623**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **822-275872-11**

Weight(s) shown below were combined and diluted to (mL): **25.0**
 Balance Uncertainty: **5E-05**
 Flask Uncertainty: **0.002**

Formulated By:	<i>Eli Allaga</i>	072618
Reviewed By:	<i>Pedro L. Rentas</i>	072618
	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (Solvent Safety Info. On Attached pg.)			
									(+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	
1. Bromochloromethane	46	AY01	1000	99	0.2	0.02526	0.02540	1005.7	5.7	74-97-5	200 ppm (1050mg/m3/8h)	oral 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B = 200°C, Detector B = 220°C. Analysis: Candice Warren



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyal, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 Lot No.: A0140077

Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : July 31, 2021 Storage: 10°C or colder

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1,2-Dichloroethane-d4	25,008.0 µg/mL	+/-	231.4287	µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot PR-29377)		+/-	1,413.6866	µg/mL	Unstressed
	Purity 99%		+/-	1,446.2345	µg/mL	Stressed
2	1-Bromo-4-fluorobenzene (BFB)	25,028.0 µg/mL	+/-	231.6138	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/-	1,414.8171	µg/mL	Unstressed
	Purity 99%		+/-	1,447.3911	µg/mL	Stressed
3	Dibromofluoromethane	25,012.0 µg/mL	+/-	231.4658	µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 0012017)		+/-	1,413.9127	µg/mL	Unstressed
	Purity 99%		+/-	1,446.4658	µg/mL	Stressed
4	Toluene-d8	25,040.0 µg/mL	+/-	231.7249	µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-27311)		+/-	1,415.4955	µg/mL	Unstressed
	Purity 99%		+/-	1,448.0851	µg/mL	Stressed



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 Lot No.: A0141192

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : August 31, 2021 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 98% (Lot SHBJ3142)	50,085.8 µg/mL	+/- 293.2636 µg/mL	Gravimetric	
			+/- 1,072.9051 µg/mL	Unstressed	
			+/- 1,104.0642 µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

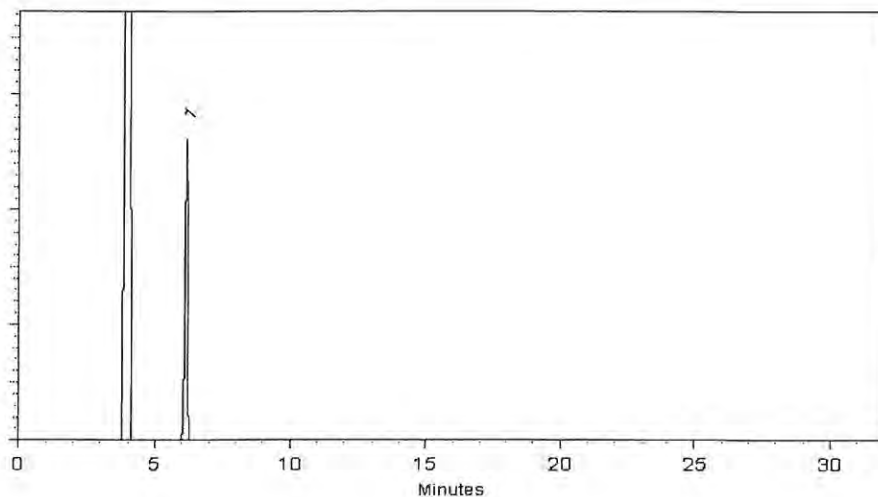
200°C

Det. Temp:

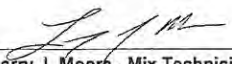
250°C

Det. Type:

FID

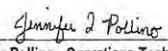


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Larry J. Moore - Mix Technician

Date Mixed: 31-Aug-2018

Balance: 1128342314


Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 05-Sep-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
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Certificate of Analysis

30 vials



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 Lot No.: A0141722
 Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : December 31, 2021 Storage: 0°C or colder

CERTIFIED VALUES

Ejection Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Acetone CAS # 67-64-1 (Lot SHBJ4459) Purity 99%	5,000.2 µg/mL	+/- 29.0716 µg/mL Gravimetric +/- 301.6842 µg/mL Unstressed +/- 302.4005 µg/mL Stressed
2	2-Butanone (MEK) CAS # 78-93-3 (Lot SHBH7233) Purity 99%	5,001.3 µg/mL	+/- 29.0780 µg/mL Gravimetric +/- 301.7506 µg/mL Unstressed +/- 302.4670 µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK) CAS # 108-10-1 (Lot SHBH8930) Purity 99%	5,002.1 µg/mL	+/- 29.0826 µg/mL Gravimetric +/- 301.7989 µg/mL Unstressed +/- 302.5154 µg/mL Stressed
4	2-Hexanone CAS # 591-78-6 (Lot MKCD9048) Purity 99%	5,001.8 µg/mL	+/- 29.0809 µg/mL Gravimetric +/- 301.7808 µg/mL Unstressed +/- 302.4972 µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)
 CAS # 67-56-1/7732-18-5
 Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

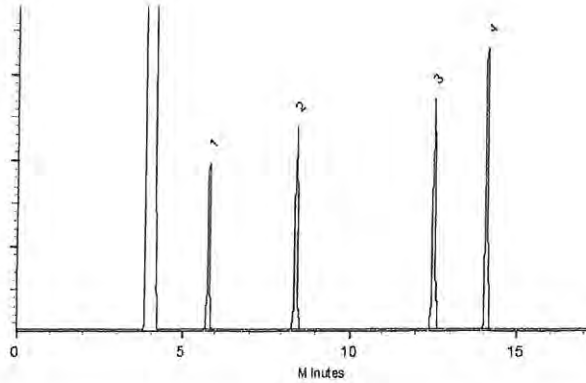
200°C

Det. Temp:


250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


 F. Joseph Tallon - Mix Technician

Date Mixed: 20-Sep-2018 Balance: B251644995


 Justine Albertson - Operations Tech-ARM QC

Date Passed: 24-Sep-2018

<p>Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397</p>
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General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 Lot No.: A0143315
 Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : November 30, 2023 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Bromochloromethane CAS # 74-97-5 Purity 98% (Lot 00008541)	2,003.1 µg/mL	+/- 11.8979 µg/mL Gravimetric +/- 112.3393 µg/mL Unstressed +/- 114.9667 µg/mL Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

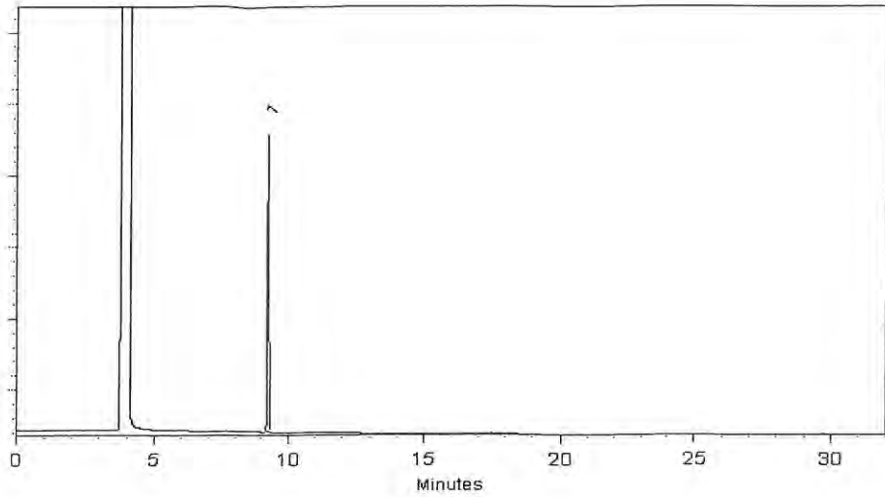
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Nov-2018 **Balance:** B707717271

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 20-Nov-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



Safety Data Sheet

Revision Date: 11/08/18

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30225 / Bromochloromethane Standard
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 12
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Hazardous for the ozone layer
Flammable Liquid Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Causes damage to organs.
Harms public health and the environment by destroying ozone in the upper atmosphere.

GHS Precautions:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.
Refer to manufacturer/supplier for information on recovery/recycling.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	99.8
bromochloromethane	74-97-5	200-826-3	0.2

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States: Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA

Personal Protection:

Engineering Measures:

Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	52
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	0
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract

Chemical Interactions That Change Toxicity: None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity: Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity: Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity: No data.
Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Ingestion: Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.
---------------	---------	-----------

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.

Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3(6.1)
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
bromochloromethane	74-97-5	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 05/24/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 Lot No.: A0146062
 Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : February 28, 2022 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBJ9404)	50,098.0 µg/mL	+/- 293.3348	µg/mL	Gravimetric
			+/- 1,073.1656	µg/mL	Unstressed
			+/- 1,104.3322	µg/mL	Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

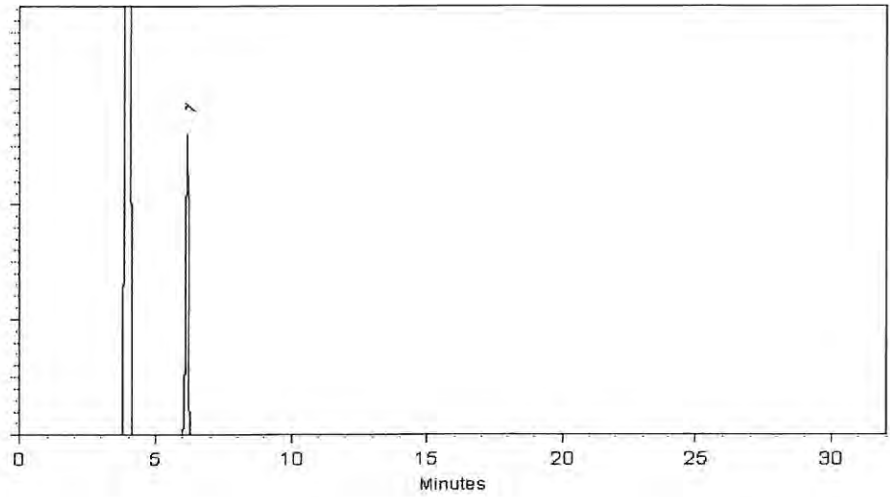
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis
Cathleen Soltis - Mix Technician

Date Mixed: 14-Feb-2019

Balance: B251644995

Justine Albertson
Justine Albertson - Operations Tech-ARM QC

Date Passed: 17-Feb-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0147569

Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Acetone	5,000.5 µg/mL (Lot SHBJ7699)	+/-	29.0733	µg/mL	Gravimetric
	CAS # 67-64-1		+/-	301.7023	µg/mL	Unstressed
	Purity 99%		+/-	302.4186	µg/mL	Stressed
2	2-Butanone (MEK)	5,000.3 µg/mL (Lot SHBJ8761)	+/-	29.0719	µg/mL	Gravimetric
	CAS # 78-93-3		+/-	301.6872	µg/mL	Unstressed
	Purity 99%		+/-	302.4035	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	5,000.3 µg/mL (Lot SHBK5017)	+/-	29.0719	µg/mL	Gravimetric
	CAS # 108-10-1		+/-	301.6872	µg/mL	Unstressed
	Purity 99%		+/-	302.4035	µg/mL	Stressed
4	2-Hexanone	5,000.6 µg/mL (Lot MKCD9048)	+/-	29.0741	µg/mL	Gravimetric
	CAS # 591-78-6		+/-	301.7099	µg/mL	Unstressed
	Purity 99%		+/-	302.4262	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

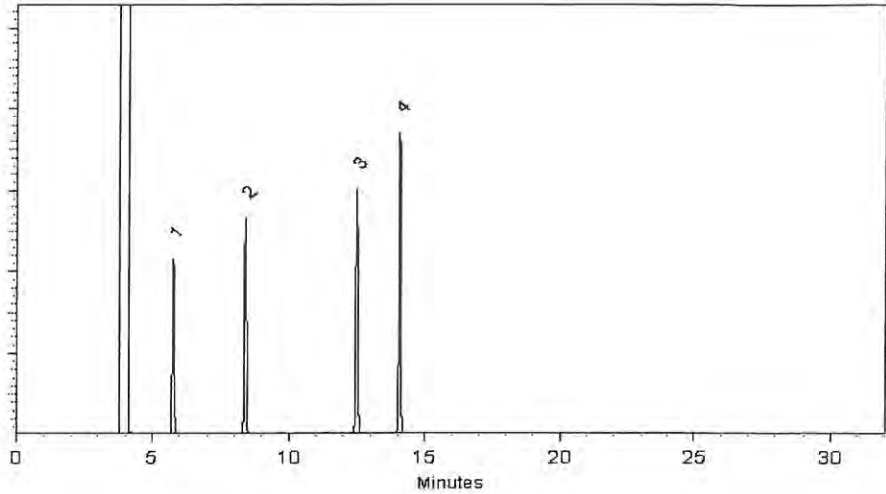
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 28-Mar-2019

Balance: B707717271

Jennifer J Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 01-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Composition



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL Lot No.: A0150346

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : December 31, 2019 Storage: 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	8,030.0 µg/mL	+/- 47.1245 µg/mL Gravimetric +/- 484.5278 µg/mL Unstressed +/- 485.6780 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

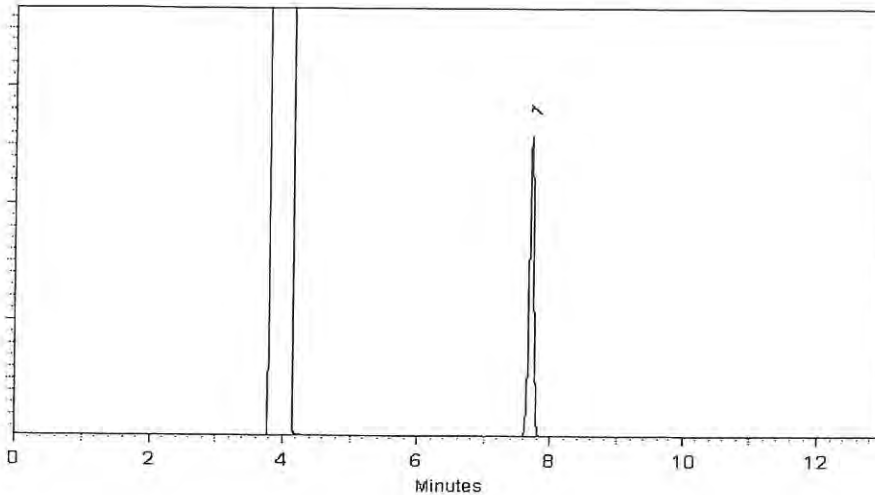
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

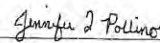
Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 25-Jun-2019 Balance: B707717271


Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 03-Jul-2019



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Preservation LogBalanceID: VOA-SC-1Review By: pedroSupervise By: MMDadoda

Seq	LabID	Vial A Weight= Total Wt-Tare Wt	Vial A Time	Vial B Weight= Total Wt-Tare Wt	Vial B Time	Vial C Weight Preserve with MeOH	Vial C Time	Methanol ID	Preservatio n Date	Comments
1	K4939-01	38.70-32.27=6.43	11:54	38.21-32.27=5.94	11:55	39.72-33.20=6.52	11:56	V10102	09/19/2019	TERRACORE samples
2	K4939-02	38.07-32.42=5.65	11:57	38.78-32.39=6.39	11:58	39.13-33.22=5.91	11:59	V10102	09/19/2019	TERRACORE SAMPLE
3	K4939-03	38.58-32.19=6.39	12:00	38.56-32.31=6.25	12:01	39.30-33.16=6.14	12:02	V10102	09/19/2019	TERRACORE samples
4	K4939-04	38.08-32.29=5.79	12:03	38.22-32.42=5.8	12:04	38.58-33.09=5.49	12:05	V10102	09/19/2019	TERRACORE samples
5	K4939-05	38.42-32.39=6.03	12:06	38.68-32.46=6.22	12:07	39.20-32.97=6.23	12:08	V10102	09/19/2019	TERRACORE samples
6	K4939-06	38.71-32.35=6.36	12:09	39.31-32.39=6.92	12:10	39.40-33.18=6.22	12:11	V10102	09/19/2019	TERRACORE samples
7	K4939-07	38.66-32.39=6.27	12:12	38.10-32.50=5.6	12:13	39.02-33.17=5.85	12:14	V10102	09/19/2019	TERRACORE samples

Instructions : 5ml MeOH added for SOM02.4 method and 10ml for regular 8260. Water addition to vial A and B is done at time of analysis.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the refrigerator.

Vial C - MeOH is store in the refrigerator.

QA Contorl # A3041177

SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

ORIGIN ID:CDWA (908) 789-8900
JEFF DANZINJER
DAY ENVIRONMENTAL INC
1563 LYELL AVE
ROCHESTER, NY 14606
UNITED STATES US

SHIP DATE: 12SEP19
ACTWGT: 10.00 LB MAN
CAD: 0403399/CAFE3211

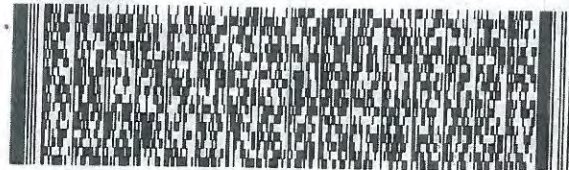
TO **GEORGE
CHEMTECH
284 SHEFFIELD ST**

MOUNTIANSIDE NJ 07092

(908) 728-3144

REF: RETURN

RMA: ||| ||| |||



FedEx
Express



FedEx
TRK# 4846 1860 6522
0221

TUE - 17 SEP 3:00P
STANDARD OVERNIGHT

XA KBCA *X4939*

07092
NJ-US **EWR**



#52198 09/16 567J1/9D04/05A2

RT **236** 4 **D**
ST **11** 15:00 6522
09.17

Laboratory Certification


Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

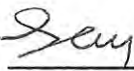
Order ID : K4939	DAYE01	Order Date : 09/13/2019	Project Mgr : Tyler
Client Name : Day Environmental, Inc.		Project Name : Andrew St. RI	Report Type : NYS ASPB
Client Contact : Jeff Danzinger		Receive DateTime : 9/17/2019 11:40:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger		Login Tech : ankit	Date Signoff : 9/17/2019 3:34:44 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
K4939-01	982-S-3-(19)	Solid	09/13/2019	10:20	VOC-TCLVOA-10		8260C	5 Bus. Days		
K4939-02	K4939-01MS	Solid	09/13/2019	10:20	VOC-TCLVOA-10		8260C	5 Bus. Days		
K4939-03	K4939-01MSD	Solid	09/13/2019	10:20	VOC-TCLVOA-10		8260C	5 Bus. Days		
K4939-04	983-B-2-(24)	Solid	09/13/2019	13:00	VOC-TCLVOA-10		8260C	5 Bus. Days		
K4939-05	984-S-4-(19)	Solid	09/13/2019	15:00	VOC-TCLVOA-10		8260C	5 Bus. Days		
K4939-06	985-S-5-(19)	Solid	09/13/2019	15:10	VOC-TCLVOA-10		8260C	5 Bus. Days		
K4939-07	986-B-3-(24)	Solid	09/13/2019	15:20	VOC-TCLVOA-10		8260C	5 Bus. Days		

Order ID : K4939 DAYE01	Order Date : 09/13/2019	Project Mgr : Tyler
Client Name : Day Environmental, Inc.	Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger	Receive DateTime : 9/17/2019 11:40:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.	Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger	Login Tech : ankit	Date Signoff : 9/17/2019 3:34:44 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
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Relinquished By : 
Date / Time : 9-17-19

Received By : 
Date / Time : 09/17/19 4:30 PM

Storage Area : VOA Refridgerator Room





PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Day Environmental, Inc.

For Lab Project ID

194633

Referencing

5334S-17

Prepared

Tuesday, September 24, 2019

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

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

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

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

Report Prepared Tuesday, September 24, 2019

Page 1 of 14



Client: Day Environmental, Inc.

Project Reference: 5334S-17

Sample Identifier: 987-WS-01

Lab Sample ID: 194633-01

Date Sampled: 9/20/2019

Matrix: Wastewater

Date Received: 9/20/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		9/23/2019 15:11
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		9/23/2019 15:11
1,1,2-Trichloroethane	< 20.0	ug/L		9/23/2019 15:11
1,1-Dichloroethane	< 20.0	ug/L		9/23/2019 15:11
1,1-Dichloroethene	< 20.0	ug/L		9/23/2019 15:11
1,2-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:11
1,2-Dichloroethane	< 20.0	ug/L		9/23/2019 15:11
1,2-Dichloropropane	< 20.0	ug/L		9/23/2019 15:11
1,3-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:11
1,4-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:11
2-Chloroethyl vinyl Ether	< 100	ug/L		9/23/2019 15:11
Benzene	< 10.0	ug/L		9/23/2019 15:11
Bromodichloromethane	< 20.0	ug/L		9/23/2019 15:11
Bromoform	< 50.0	ug/L		9/23/2019 15:11
Bromomethane	< 20.0	ug/L		9/23/2019 15:11
Carbon Tetrachloride	< 20.0	ug/L		9/23/2019 15:11
Chlorobenzene	< 20.0	ug/L		9/23/2019 15:11
Chloroethane	< 20.0	ug/L		9/23/2019 15:11
Chloroform	< 20.0	ug/L		9/23/2019 15:11
Chloromethane	< 20.0	ug/L		9/23/2019 15:11
cis-1,3-Dichloropropene	< 20.0	ug/L		9/23/2019 15:11
Dibromochloromethane	< 20.0	ug/L		9/23/2019 15:11
Ethylbenzene	< 20.0	ug/L		9/23/2019 15:11
Methylene chloride	< 50.0	ug/L		9/23/2019 15:11
Tetrachloroethene	834	ug/L		9/23/2019 15:11
Toluene	< 20.0	ug/L		9/23/2019 15:11
trans-1,2-Dichloroethene	< 20.0	ug/L		9/23/2019 15:11
trans-1,3-Dichloropropene	< 20.0	ug/L		9/23/2019 15:11

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Client: Day Environmental, Inc.

Project Reference: 5334S-17

Sample Identifier: 987-WS-01

Lab Sample ID: 194633-01

Date Sampled: 9/20/2019

Matrix: Wastewater

Date Received: 9/20/2019

Trichloroethene	< 20.0	ug/L	9/23/2019	15:11
Trichlorofluoromethane	< 20.0	ug/L	9/23/2019	15:11
Vinyl chloride	< 20.0	ug/L	9/23/2019	15:11

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	102	73.4 - 131		9/23/2019 15:11
4-Bromofluorobenzene	90.2	57.2 - 129		9/23/2019 15:11
Pentafluorobenzene	95.0	87 - 112		9/23/2019 15:11
Toluene-D8	93.5	78.3 - 115		9/23/2019 15:11

Method Reference(s): EPA 624.1

Data File: x64704.D

Oxidizers

Analyte	Result	Units	Qualifier	Date Analyzed
Oxidizers	Negative	N/A		9/20/2019

Method Reference(s): ASTM D4981-08

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	7.64 @ 17.3 C	S.U.		9/20/2019 13:55

Method Reference(s): SM22 4500 H+ B

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



Lab Project ID: 194633

Client: Day Environmental, Inc.

Project Reference: 5334S-17

Sample Identifier: 988-WS-02

Lab Sample ID: 194633-02

Date Sampled: 9/20/2019

Matrix: Wastewater

Date Received: 9/20/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		9/23/2019 15:33
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		9/23/2019 15:33
1,1,2-Trichloroethane	< 20.0	ug/L		9/23/2019 15:33
1,1-Dichloroethane	< 20.0	ug/L		9/23/2019 15:33
1,1-Dichloroethene	< 20.0	ug/L		9/23/2019 15:33
1,2-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:33
1,2-Dichloroethane	< 20.0	ug/L		9/23/2019 15:33
1,2-Dichloropropane	< 20.0	ug/L		9/23/2019 15:33
1,3-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:33
1,4-Dichlorobenzene	< 20.0	ug/L		9/23/2019 15:33
2-Chloroethyl vinyl Ether	< 100	ug/L		9/23/2019 15:33
Benzene	< 10.0	ug/L		9/23/2019 15:33
Bromodichloromethane	< 20.0	ug/L		9/23/2019 15:33
Bromoform	< 50.0	ug/L		9/23/2019 15:33
Bromomethane	< 20.0	ug/L		9/23/2019 15:33
Carbon Tetrachloride	< 20.0	ug/L		9/23/2019 15:33
Chlorobenzene	< 20.0	ug/L		9/23/2019 15:33
Chloroethane	< 20.0	ug/L		9/23/2019 15:33
Chloroform	< 20.0	ug/L		9/23/2019 15:33
Chloromethane	< 20.0	ug/L		9/23/2019 15:33
cis-1,3-Dichloropropene	< 20.0	ug/L		9/23/2019 15:33
Dibromochloromethane	< 20.0	ug/L		9/23/2019 15:33
Ethylbenzene	< 20.0	ug/L		9/23/2019 15:33
Methylene chloride	< 50.0	ug/L		9/23/2019 15:33
Tetrachloroethene	942	ug/L		9/23/2019 15:33
Toluene	< 20.0	ug/L		9/23/2019 15:33
trans-1,2-Dichloroethene	< 20.0	ug/L		9/23/2019 15:33
trans-1,3-Dichloropropene	< 20.0	ug/L		9/23/2019 15:33

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Client: Day Environmental, Inc.

Project Reference: 5334S-17

Sample Identifier: 988-WS-02

Lab Sample ID: 194633-02

Date Sampled: 9/20/2019

Matrix: Wastewater

Date Received: 9/20/2019

Trichloroethene	< 20.0	ug/L	9/23/2019	15:33
Trichlorofluoromethane	< 20.0	ug/L	9/23/2019	15:33
Vinyl chloride	< 20.0	ug/L	9/23/2019	15:33

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	108	73.4 - 131		9/23/2019 15:33
4-Bromofluorobenzene	89.4	57.2 - 129		9/23/2019 15:33
Pentafluorobenzene	99.1	87 - 112		9/23/2019 15:33
Toluene-D8	95.7	78.3 - 115		9/23/2019 15:33

Method Reference(s): EPA 624.1

Data File: x64705.D

Oxidizers

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Oxidizers	Negative	N/A		9/20/2019

Method Reference(s): ASTM D4981-08

pH

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
pH	7.58 @ 15.0 C	S.U.		9/20/2019 13:58

Method Reference(s): SM22 4500 H+ B

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



Method Blank Report

Client: Day Environmental, Inc.
Project Reference: 5334S-17
Lab Project ID: 194633
SDG #: 4633-01
Matrix: Wastewater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<2.00	ug/L		9/23/2019 14:49
1,1,2,2-Tetrachloroethane	<2.00	ug/L		9/23/2019 14:49
1,1,2-Trichloroethane	<2.00	ug/L		9/23/2019 14:49
1,1-Dichloroethane	<2.00	ug/L		9/23/2019 14:49
1,1-Dichloroethene	<2.00	ug/L		9/23/2019 14:49
1,2-Dichlorobenzene	<2.00	ug/L		9/23/2019 14:49
1,2-Dichloroethane	<2.00	ug/L		9/23/2019 14:49
1,2-Dichloropropane	<2.00	ug/L		9/23/2019 14:49
1,3-Dichlorobenzene	<2.00	ug/L		9/23/2019 14:49
1,4-Dichlorobenzene	<2.00	ug/L		9/23/2019 14:49
2-Chloroethyl vinyl Ether	<10.0	ug/L		9/23/2019 14:49
Benzene	<1.00	ug/L		9/23/2019 14:49
Bromodichloromethane	<2.00	ug/L		9/23/2019 14:49
Bromoform	<5.00	ug/L		9/23/2019 14:49
Bromomethane	<2.00	ug/L		9/23/2019 14:49
Carbon Tetrachloride	<2.00	ug/L		9/23/2019 14:49
Chlorobenzene	<2.00	ug/L		9/23/2019 14:49
Chloroethane	<2.00	ug/L		9/23/2019 14:49
Chloroform	<2.00	ug/L		9/23/2019 14:49
Chloromethane	<2.00	ug/L		9/23/2019 14:49
cis-1,3-Dichloropropene	<2.00	ug/L		9/23/2019 14:49
Dibromochloromethane	<2.00	ug/L		9/23/2019 14:49
Ethylbenzene	<2.00	ug/L		9/23/2019 14:49
Methylene chloride	<5.00	ug/L		9/23/2019 14:49
Tetrachloroethene	<2.00	ug/L		9/23/2019 14:49
Toluene	<2.00	ug/L		9/23/2019 14:49
trans-1,2-Dichloroethene	<2.00	ug/L		9/23/2019 14:49

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Method Blank Report

Client: Day Environmental, Inc.
Project Reference: 5334S-17
Lab Project ID: 194633
SDG #: 4633-01
Matrix: Wastewater

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,3-Dichloropropene	<2.00	ug/L		9/23/2019	14:49
Trichloroethene	<2.00	ug/L		9/23/2019	14:49
Trichlorofluoromethane	<2.00	ug/L		9/23/2019	14:49
Vinyl chloride	<2.00	ug/L		9/23/2019	14:49

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	101	73.4 - 131		9/23/2019	14:49
4-Bromofluorobenzene	87.7	57.2 - 129		9/23/2019	14:49
Pentafluorobenzene	96.7	87 - 112		9/23/2019	14:49
Toluene-D8	94.0	78.3 - 115		9/23/2019	14:49

Method Reference(s): EPA 624.1
Data File: x64703.D
QC Batch ID: voaw190923
QC Number: 1

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QC Report for Laboratory Control Sample

Client: Day Environmental, Inc.

Project Reference: 5334S-17

Lab Project ID: 194633

SDG #: 4633-01

Matrix: Wastewater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/L	21.9	109	64.9 - 129		9/23/2019
1,1,2,2-Tetrachloroethane	20.0	ug/L	16.7	83.6	71.2 - 134		9/23/2019
1,1,2-Trichloroethane	20.0	ug/L	16.7	83.7	75.3 - 128		9/23/2019
1,1-Dichloroethane	20.0	ug/L	21.5	108	72.7 - 125		9/23/2019
1,1-Dichloroethene	20.0	ug/L	20.9	105	62.9 - 122		9/23/2019
1,2-Dichlorobenzene	20.0	ug/L	18.3	91.4	75.7 - 124		9/23/2019
1,2-Dichloroethane	20.0	ug/L	19.0	95.2	69.1 - 134		9/23/2019
1,2-Dichloropropane	20.0	ug/L	17.6	88.1	74 - 117		9/23/2019
1,3-Dichlorobenzene	20.0	ug/L	18.0	90.2	71 - 122		9/23/2019
1,4-Dichlorobenzene	20.0	ug/L	17.7	88.6	71.1 - 115		9/23/2019
Benzene	20.0	ug/L	19.9	99.6	77.3 - 125		9/23/2019
Bromodichloromethane	20.0	ug/L	19.6	97.9	70.6 - 124		9/23/2019
Bromoform	20.0	ug/L	17.1	85.5	66.5 - 120		9/23/2019
Bromomethane	20.0	ug/L	22.6	113	66.1 - 139		9/23/2019
Carbon Tetrachloride	20.0	ug/L	23.8	119	62.2 - 131		9/23/2019
Chlorobenzene	20.0	ug/L	19.3	96.3	76.3 - 121		9/23/2019

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QC Report for Laboratory Control Sample

Client: **Day Environmental, Inc.**

Project Reference: 5334S-17

Lab Project ID: 194633

SDG #: 4633-01

Matrix: Wastewater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/L	23.2	116	65.4 - 132		9/23/2019
Chloroform	20.0	ug/L	21.5	107	74.8 - 128		9/23/2019
Chloromethane	20.0	ug/L	27.4	137	39.3 - 148		9/23/2019
cis-1,3-Dichloropropene	20.0	ug/L	17.5	87.6	58.9 - 122		9/23/2019
Dibromochloromethane	20.0	ug/L	17.1	85.6	72.9 - 126		9/23/2019
Ethylbenzene	20.0	ug/L	21.9	109	67.6 - 126		9/23/2019
Methylene chloride	20.0	ug/L	20.0	99.8	66.2 - 135		9/23/2019
Tetrachloroethene	20.0	ug/L	20.0	100	73.5 - 129		9/23/2019
Toluene	20.0	ug/L	20.4	102	76.7 - 125		9/23/2019
trans-1,2-Dichloroethene	20.0	ug/L	21.2	106	67.2 - 129		9/23/2019
trans-1,3-Dichloropropene	20.0	ug/L	16.6	83.0	59.3 - 123		9/23/2019
Trichloroethene	20.0	ug/L	20.1	100	72.1 - 123		9/23/2019
Trichlorofluoromethane	20.0	ug/L	25.4	127	54.4 - 142		9/23/2019
Vinyl chloride	20.0	ug/L	27.0	135	49.8 - 142		9/23/2019

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QC Report for Laboratory Control Sample

Client: Day Environmental, Inc.

Project Reference: 5334S-17

Lab Project ID: 194633

SDG #: 4633-01

Matrix: Wastewater

Volatile Organics

Analyte	Method Reference(s):	BPA 624.1	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
	Data File:	x64702.D							
	QC Number:	1							
	QC Batch ID:	voaw190923							

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Analytical Report Appendix

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

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

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

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

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

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

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

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

"Z" = See case narrative.

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

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

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

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

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

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

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

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

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

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

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

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

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

Warranty.

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

Scope and Compensation.

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

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

Prices.

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

Limitations of Liability.

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

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

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

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

Hazard Disclosure.

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

Sample Handling.

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

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

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

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

Legal Responsibility.

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

Assignment.

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

Force Majeure.

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

Law.

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

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

2062



Chain of Custody Supplement

Client: Day Env Completed by: Mollyrail
 Lab Project ID: 194633 Date: 9/20/19

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

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	<u>VOA : Cl⁻ neg</u>		
Holding Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	<u>15°C in field started in field</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>No bottle clogs for peroxidizer containers VOA was sampled in clean containers</u>		



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Day Environmental, Inc.

For Lab Project ID

194683

Referencing

Andrews St. Site 5334S-17

Prepared

Monday, September 30, 2019

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

A handwritten signature in black ink, appearing to read "R. Raybold", is written over a horizontal line.

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

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

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Report Prepared Monday, September 30, 2019

Page 1 of 17



Lab Project ID: 194683

Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 989 - Pile 1

Lab Sample ID: 194683-01

Date Sampled: 9/24/2019

Matrix: Soil

Date Received: 9/24/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 6.93	ug/Kg		9/27/2019 18:03
1,1,2,2-Tetrachloroethane	< 6.93	ug/Kg		9/27/2019 18:03
1,1,2-Trichloroethane	< 6.93	ug/Kg		9/27/2019 18:03
1,1-Dichloroethane	< 6.93	ug/Kg		9/27/2019 18:03
1,1-Dichloroethene	< 6.93	ug/Kg		9/27/2019 18:03
1,2,3-Trichlorobenzene	< 17.3	ug/Kg		9/27/2019 18:03
1,2,4-Trichlorobenzene	< 17.3	ug/Kg		9/27/2019 18:03
1,2-Dibromo-3-Chloropropane	< 34.7	ug/Kg		9/27/2019 18:03
1,2-Dibromoethane	< 6.93	ug/Kg		9/27/2019 18:03
1,2-Dichlorobenzene	< 6.93	ug/Kg		9/27/2019 18:03
1,2-Dichloroethane	< 6.93	ug/Kg		9/27/2019 18:03
1,2-Dichloropropane	< 6.93	ug/Kg		9/27/2019 18:03
1,3-Dichlorobenzene	< 6.93	ug/Kg		9/27/2019 18:03
1,4-Dichlorobenzene	< 6.93	ug/Kg		9/27/2019 18:03
1,4-Dioxane	< 69.3	ug/Kg		9/27/2019 18:03
2-Butanone	< 34.7	ug/Kg		9/27/2019 18:03
2-Hexanone	< 17.3	ug/Kg		9/27/2019 18:03
4-Methyl-2-pentanone	< 17.3	ug/Kg		9/27/2019 18:03
Acetone	< 34.7	ug/Kg		9/27/2019 18:03
Benzene	< 6.93	ug/Kg		9/27/2019 18:03
Bromochloromethane	< 17.3	ug/Kg		9/27/2019 18:03
Bromodichloromethane	< 6.93	ug/Kg		9/27/2019 18:03
Bromoform	< 17.3	ug/Kg		9/27/2019 18:03
Bromomethane	< 6.93	ug/Kg		9/27/2019 18:03
Carbon disulfide	< 6.93	ug/Kg		9/27/2019 18:03
Carbon Tetrachloride	< 6.93	ug/Kg		9/27/2019 18:03
Chlorobenzene	< 6.93	ug/Kg		9/27/2019 18:03
Chloroethane	< 6.93	ug/Kg		9/27/2019 18:03

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Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 989 - Pile 1

Lab Sample ID: 194683-01

Date Sampled: 9/24/2019

Matrix: Soil

Date Received: 9/24/2019

Chloroform	< 6.93	ug/Kg	9/27/2019 18:03
Chloromethane	< 6.93	ug/Kg	9/27/2019 18:03
cis-1,2-Dichloroethene	< 6.93	ug/Kg	9/27/2019 18:03
cis-1,3-Dichloropropene	< 6.93	ug/Kg	9/27/2019 18:03
Cyclohexane	< 34.7	ug/Kg	9/27/2019 18:03
Dibromochloromethane	< 6.93	ug/Kg	9/27/2019 18:03
Dichlorodifluoromethane	< 6.93	ug/Kg	9/27/2019 18:03
Ethylbenzene	< 6.93	ug/Kg	9/27/2019 18:03
Freon 113	< 6.93	ug/Kg	9/27/2019 18:03
Isopropylbenzene	< 6.93	ug/Kg	9/27/2019 18:03
m,p-Xylene	< 6.93	ug/Kg	9/27/2019 18:03
Methyl acetate	< 6.93	ug/Kg	9/27/2019 18:03
Methyl tert-butyl Ether	< 6.93	ug/Kg	9/27/2019 18:03
Methylcyclohexane	< 6.93	ug/Kg	9/27/2019 18:03
Methylene chloride	< 17.3	ug/Kg	9/27/2019 18:03
o-Xylene	< 6.93	ug/Kg	9/27/2019 18:03
Styrene	< 17.3	ug/Kg	9/27/2019 18:03
Tetrachloroethene	261	ug/Kg	9/27/2019 18:03
Toluene	< 6.93	ug/Kg	9/27/2019 18:03
trans-1,2-Dichloroethene	< 6.93	ug/Kg	9/27/2019 18:03
trans-1,3-Dichloropropene	< 6.93	ug/Kg	9/27/2019 18:03
Trichloroethene	< 6.93	ug/Kg	9/27/2019 18:03
Trichlorofluoromethane	< 6.93	ug/Kg	9/27/2019 18:03
Vinyl chloride	< 6.93	ug/Kg	9/27/2019 18:03



Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 989 - Pile 1

Lab Sample ID: 194683-01

Date Sampled: 9/24/2019

Matrix: Soil

Date Received: 9/24/2019

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	119	71 - 141		9/27/2019 18:03
4-Bromofluorobenzene	78.3	60.2 - 128		9/27/2019 18:03
Pentafluorobenzene	97.2	86.6 - 111		9/27/2019 18:03
Toluene-D8	90.0	77.5 - 115		9/27/2019 18:03

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x64837.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 989 - Pile 1

Lab Sample ID: 194683-01A

Date Sampled: 9/24/2019

Matrix: TCLP Extract

Date Received: 9/24/2019

TCLP Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Regulatory Limit</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	< 0.00200	mg/L	0.2		9/26/2019 11:24
Method Reference(s):	EPA 7470A EPA 1311				
Preparation Date:	9/25/2019				
Data File:	Hg190926B				

TCLP RCRA Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Regulatory Limit</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	< 0.500	mg/L	5		9/26/2019 09:24
Barium	0.525	mg/L	100		9/26/2019 09:24
Cadmium	< 0.0250	mg/L	1		9/26/2019 09:24
Chromium	< 0.500	mg/L	5		9/26/2019 09:24
Lead	< 0.500	mg/L	5		9/26/2019 09:24
Selenium	< 0.200	mg/L	1		9/26/2019 09:24
Silver	< 0.500	mg/L	5		9/26/2019 09:24
Method Reference(s):	EPA 6010C EPA 1311 / 3005A				
Preparation Date:	9/25/2019				
Data File:	190926A				

TCLP Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Regulatory Limit</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1-Dichloroethene	< 20.0	ug/L	700		9/27/2019 20:19
1,2-Dichloroethane	< 20.0	ug/L	500		9/27/2019 20:19
2-Butanone	< 100	ug/L	200000		9/27/2019 20:19
Benzene	< 20.0	ug/L	500		9/27/2019 20:19
Carbon Tetrachloride	< 20.0	ug/L	500		9/27/2019 20:19
Chlorobenzene	< 20.0	ug/L	100000		9/27/2019 20:19
Chloroform	< 20.0	ug/L	6000		9/27/2019 20:19
Tetrachloroethene	< 20.0	ug/L	700		9/27/2019 20:19

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Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 989 - Pile 1

Lab Sample ID: 194683-01A

Date Sampled: 9/24/2019

Matrix: TCLP Extract

Date Received: 9/24/2019

Trichloroethene	< 20.0	ug/L	500		9/27/2019 20:19
Vinyl chloride	< 20.0	ug/L	200		9/27/2019 20:19
Surrogate		Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4		106	73.4 - 131		9/27/2019 20:19
4-Bromofluorobenzene		86.1	57.2 - 129		9/27/2019 20:19
Pentafluorobenzene		98.1	87 - 112		9/27/2019 20:19
Toluene-D8		94.4	78.3 - 115		9/27/2019 20:19

Method Reference(s): EPA 8260C
EPA 1311 / 5030C
Data File: x64843.D



Lab Project ID: 194683

Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 990 - Pile 2

Lab Sample ID: 194683-02

Date Sampled: 9/24/2019

Matrix: Soil

Date Received: 9/24/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.75	ug/Kg		9/27/2019 18:26
1,1,2,2-Tetrachloroethane	< 7.75	ug/Kg		9/27/2019 18:26
1,1,2-Trichloroethane	< 7.75	ug/Kg		9/27/2019 18:26
1,1-Dichloroethane	< 7.75	ug/Kg		9/27/2019 18:26
1,1-Dichloroethene	< 7.75	ug/Kg		9/27/2019 18:26
1,2,3-Trichlorobenzene	< 19.4	ug/Kg		9/27/2019 18:26
1,2,4-Trichlorobenzene	< 19.4	ug/Kg		9/27/2019 18:26
1,2-Dibromo-3-Chloropropane	< 38.8	ug/Kg		9/27/2019 18:26
1,2-Dibromoethane	< 7.75	ug/Kg		9/27/2019 18:26
1,2-Dichlorobenzene	< 7.75	ug/Kg		9/27/2019 18:26
1,2-Dichloroethane	< 7.75	ug/Kg		9/27/2019 18:26
1,2-Dichloropropane	< 7.75	ug/Kg		9/27/2019 18:26
1,3-Dichlorobenzene	< 7.75	ug/Kg		9/27/2019 18:26
1,4-Dichlorobenzene	< 7.75	ug/Kg		9/27/2019 18:26
1,4-Dioxane	< 77.5	ug/Kg		9/27/2019 18:26
2-Butanone	< 38.8	ug/Kg		9/27/2019 18:26
2-Hexanone	< 19.4	ug/Kg		9/27/2019 18:26
4-Methyl-2-pentanone	< 19.4	ug/Kg		9/27/2019 18:26
Acetone	< 38.8	ug/Kg		9/27/2019 18:26
Benzene	< 7.75	ug/Kg		9/27/2019 18:26
Bromochloromethane	< 19.4	ug/Kg		9/27/2019 18:26
Bromodichloromethane	< 7.75	ug/Kg		9/27/2019 18:26
Bromoform	< 19.4	ug/Kg		9/27/2019 18:26
Bromomethane	< 7.75	ug/Kg		9/27/2019 18:26
Carbon disulfide	< 7.75	ug/Kg		9/27/2019 18:26
Carbon Tetrachloride	< 7.75	ug/Kg		9/27/2019 18:26
Chlorobenzene	< 7.75	ug/Kg		9/27/2019 18:26
Chloroethane	< 7.75	ug/Kg		9/27/2019 18:26

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Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 990 - Pile 2

Lab Sample ID: 194683-02

Date Sampled: 9/24/2019

Matrix: Soil

Date Received: 9/24/2019

Chloroform	< 7.75	ug/Kg	9/27/2019 18:26
Chloromethane	< 7.75	ug/Kg	9/27/2019 18:26
cis-1,2-Dichloroethene	< 7.75	ug/Kg	9/27/2019 18:26
cis-1,3-Dichloropropene	< 7.75	ug/Kg	9/27/2019 18:26
Cyclohexane	< 38.8	ug/Kg	9/27/2019 18:26
Dibromochloromethane	< 7.75	ug/Kg	9/27/2019 18:26
Dichlorodifluoromethane	< 7.75	ug/Kg	9/27/2019 18:26
Ethylbenzene	< 7.75	ug/Kg	9/27/2019 18:26
Freon 113	< 7.75	ug/Kg	9/27/2019 18:26
Isopropylbenzene	< 7.75	ug/Kg	9/27/2019 18:26
m,p-Xylene	< 7.75	ug/Kg	9/27/2019 18:26
Methyl acetate	< 7.75	ug/Kg	9/27/2019 18:26
Methyl tert-butyl Ether	< 7.75	ug/Kg	9/27/2019 18:26
Methylcyclohexane	< 7.75	ug/Kg	9/27/2019 18:26
Methylene chloride	< 19.4	ug/Kg	9/27/2019 18:26
o-Xylene	< 7.75	ug/Kg	9/27/2019 18:26
Styrene	< 19.4	ug/Kg	9/27/2019 18:26
Tetrachloroethene	594	ug/Kg	9/27/2019 18:26
Toluene	< 7.75	ug/Kg	9/27/2019 18:26
trans-1,2-Dichloroethene	< 7.75	ug/Kg	9/27/2019 18:26
trans-1,3-Dichloropropene	< 7.75	ug/Kg	9/27/2019 18:26
Trichloroethene	< 7.75	ug/Kg	9/27/2019 18:26
Trichlorofluoromethane	< 7.75	ug/Kg	9/27/2019 18:26
Vinyl chloride	< 7.75	ug/Kg	9/27/2019 18:26



Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 990 - Pile 2

Lab Sample ID: 194683-02

Date Sampled: 9/24/2019

Matrix: Soil

Date Received: 9/24/2019

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	114	71 - 141		9/27/2019 18:26
4-Bromofluorobenzene	94.0	60.2 - 128		9/27/2019 18:26
Pentafluorobenzene	94.6	86.6 - 111		9/27/2019 18:26
Toluene-D8	95.5	77.5 - 115		9/27/2019 18:26

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x64838.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 990 - Pile 2

Lab Sample ID: 194683-02A

Date Sampled: 9/24/2019

Matrix: TCLP Extract

Date Received: 9/24/2019

TCLP Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Regulatory Limit</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	< 0.00200	mg/L	0.2		9/26/2019 11:30
Method Reference(s):	EPA 7470A EPA 1311				
Preparation Date:	9/25/2019				
Data File:	Hg190926B				

TCLP RCRA Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Regulatory Limit</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	< 0.500	mg/L	5		9/26/2019 09:28
Barium	0.630	mg/L	100		9/26/2019 09:28
Cadmium	< 0.0250	mg/L	1		9/26/2019 09:28
Chromium	< 0.500	mg/L	5		9/26/2019 09:28
Lead	< 0.500	mg/L	5		9/26/2019 09:28
Selenium	< 0.200	mg/L	1		9/26/2019 09:28
Silver	< 0.500	mg/L	5		9/26/2019 09:28
Method Reference(s):	EPA 6010C EPA 1311 / 3005A				
Preparation Date:	9/25/2019				
Data File:	190926A				

TCLP Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Regulatory Limit</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1-Dichloroethene	< 20.0	ug/L	700		9/27/2019 20:41
1,2-Dichloroethane	< 20.0	ug/L	500		9/27/2019 20:41
2-Butanone	< 100	ug/L	200000		9/27/2019 20:41
Benzene	< 20.0	ug/L	500		9/27/2019 20:41
Carbon Tetrachloride	< 20.0	ug/L	500		9/27/2019 20:41
Chlorobenzene	< 20.0	ug/L	100000		9/27/2019 20:41
Chloroform	< 20.0	ug/L	6000		9/27/2019 20:41
Tetrachloroethene	< 20.0	ug/L	700		9/27/2019 20:41

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Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 990 - Pile 2

Lab Sample ID: 194683-02A

Date Sampled: 9/24/2019

Matrix: TCLP Extract

Date Received: 9/24/2019

Trichloroethene	< 20.0	ug/L	500	9/27/2019	20:41
Vinyl chloride	< 20.0	ug/L	200	9/27/2019	20:41
Surrogate		Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4		108	73.4 - 131		9/27/2019 20:41
4-Bromofluorobenzene		87.6	57.2 - 129		9/27/2019 20:41
Pentafluorobenzene		96.1	87 - 112		9/27/2019 20:41
Toluene-D8		93.1	78.3 - 115		9/27/2019 20:41

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

Data File: x64844.D



Lab Project ID: 194683

Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 989 - Pile 1

Lab Sample ID: 194683-01

Matrix: Soil

Date Sampled: 9/24/2019

Date Received: 9/24/2019

Volatile Tentatively Identified Compounds

<u>Tentatively Identified Compound</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
None Found	< 17.3	ug/Kg		9/27/2019
Total Reported TICS	< 17.3	ug/Kg		9/27/2019
Method Reference(s):	EPA 8260C			
	EPA 5035A - L			

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Lab Project ID: 194683

Client: Day Environmental, Inc.

Project Reference: Andrews St. Site 5334S-17

Sample Identifier: 990 - Pile 2

Lab Sample ID: 194683-02

Matrix: Soil

Date Sampled: 9/24/2019

Date Received: 9/24/2019

Volatile Tentatively Identified Compounds

<u>Tentatively Identified Compound</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Unknown Alkane	24.8	ug/Kg		9/27/2019
Unknown Alkane	47.5	ug/Kg		9/27/2019
Unknown Alkane	82.1	ug/Kg		9/27/2019
Unknown Alkane	20.2	ug/Kg		9/27/2019
Total Reported TICS	175	ug/Kg		9/27/2019

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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



Analytical Report Appendix

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

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

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

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

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

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

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

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

"Z" = See case narrative.

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

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

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

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

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

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

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

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

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

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

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

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

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

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

Warranty.

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

Scope and Compensation.

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

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

Prices.

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

Limitations of Liability.

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

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

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

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

Hazard Disclosure.

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

Sample Handling.

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

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

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

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

Legal Responsibility.

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

Assignment.

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

Force Majeure.

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

Law.

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

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

CHAIN OF CUSTODY

1 of 2



PARADIGM

REPORT TO:

INVOICE TO:

LAB PROJECT ID

194683

Quotation #:

Email: jdanzing@daymail.net

PROJECT REFERENCE
Andrews St. Site
5334 S-17

CLIENT: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP 14602
PHONE: 585-4574-0210

CLIENT: ADDRESS: SPANLE
CITY: STATE: ZIP:
PHONE:

ATTN: JCF Danzinger
Matrix Codes: AQ - Aqueous Liquid WA - Water DW - Drinking Water SO - Soil SD - Solid
NQ - Non-Aqueous Liquid WG - Groundwater WW - Wastewater SL - Sludge PT - Paint WP - Wipe CK - Caulk AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MATRIX	ANALYSIS	NUMBERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
9-24-19	10:10	X	X	989 - Pile 1	Soil	3	X	A For TCLP extract.	01A
9-24-19	9:50	X	X	990 - Pile 2	Soil	3	X		02A
9-24-2019									

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

Sampled By: [Signature] Date/Time: 9-24-2019 14:58 Total Cost: []

Retinquished By: [Signature] Date/Time: 9-24-2019 14:58

Received By: [Signature] Date/Time: 9/24/19 15:02 P.I.F. []

Received @ Lab By: [Signature] Date/Time: 9/24/19 15:01

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



Chain of Custody Supplement

Client: Day Environmental Completed by: Glenn Pezzulo
 Lab Project ID: 194683 Date: 9/25/19

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

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 5035	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/> TCLP vOA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> metals
Comments	<u>13°C</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : ANDREW ST. RI

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

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

**ORDER ID : K6405
ATTENTION : Jeff Danzinger**



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Cover Page

Order ID : K6405**Project ID :** Andrew St. RI**Client :** Day Environmental, Inc.**Lab Sample Number**

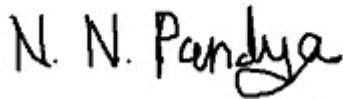
K6405-01
K6405-02
K6405-03
K6405-04
K6405-05
K6405-06
K6405-07
K6405-08
K6405-09
K6405-10
K6405-11
K6405-12
K6405-13
K6405-14

Client Sample Number

991-MW-01-(23)
992-MW-02-(23.8)
993-MW-03A-(17)
994-MW-05-(17)
995-MW-11-(15)
996-MW-15-(17)
K6405-06MS
K6405-06MSD
997-MW-16-(22.5)
998-MW-17A-(15.5)
999-MW-18-(21.5)
1000-MW-19-(28)
1001-FB122019
1002-TB122019

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

Signature : —



NYDOH CERTIFICATION NO - 11376

APPROVEDBy *Nimisha Pandya*, QA QC Supervisor at 11:53 am, Jan 09, 2020

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Day Environmental, Inc.**Project Name: Andrew St. RI****Project # N/A****Chemtech Project # K6405****Test Name: VOC-TCLVOA-10****A. Number of Samples and Date of Receipt:**

14 Water samples were received on 12/21/2019.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The % RSD is greater than 15% in the Initial Calibration method (82X121319W.M) for Carbon Disulfide, Bromochloromethane those compounds are passing on Linear Regression.

The Continuous Calibration met the requirements with FIEL ID:VX014259.D met the acceptable requirements for all the Compounds except for Bromochloromethane.

The Tuning criteria met requirements.

Samples 991-MW-01-(23), 993-MW-03A-(17) and 995-MW-11-(15) were diluted due to high concentrations.

E. Additional Comments:

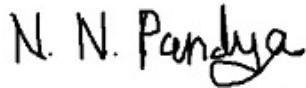
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value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

F. Manual Integration Comments:

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

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

Signature_

**APPROVED***By Nimisha Pandya, QA QC Supervisor at 11:53 am, Jan 09, 2020*

DATA REPORTING QUALIFIERS- ORGANIC

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: K6405

MATRIX: Water

METHOD: 8260-Low

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements. The % RSD is greater than 15% in the Initial Calibration method (82X121319W.M) for Carbon Disulfide, Bromochloromethane those compounds are passing on Linear Regression. The Continuous Calibration met the requirements with FIEL ID: VX014259.D met the acceptable requirements for all the Compounds except for Bromochloromethane.			✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

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

	NA	NO	YES
9. Internal Standard Area/Retention Time Shift Meet Criteria			✓
Comments:			
10. Analysis Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Samples 991-MW-01-(23), 993-MW-03A-(17) and 995-MW-11-(15) were diluted due to high concentrations.

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

REVIEWED

QA REVIEW

By Aparana Soni at 11:48 am, Jan 09, 2020

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K6405

Completed

For thorough review, the report must have the following:

GENERAL:

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

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

Is the chain of custody signed and complete ✓

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

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

COVER PAGE:

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

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

CHAIN OF CUSTODY:

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

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

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

Were the samples received within hold time ✓

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

ANALYTICAL:

Was method requirement followed? ✓

Was client requirement followed? ✓

Does the case narrative summarize all QC failure? ✓

All runlogs and manual integration are reviewed for requirements ✓

All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: APARNA SONI

Date: 01/09/2020

2nd Level QA Review Signature:

N. N. Pandya

APPROVED

Date:
By Nimisha Pandya, QA QC Supervisor at 11:53 am, Jan 09, 2020



LAB CHRONICLE

OrderID: K6405	OrderDate: 12/23/2019 8:22:00 AM
Client: Day Environmental, Inc.	Project: Andrew St. RI
Contact: Jeff Danzinger	Location: D11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K6405-01	991-MW-01-(23)	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/24/19	12/21/19
K6405-01DL	991-MW-01-(23)DL	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/26/19	12/21/19
K6405-02	992-MW-02-(23.8)	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/26/19	12/21/19
K6405-03	993-MW-03A-(17)	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/24/19	12/21/19
K6405-03DL	993-MW-03A-(17)DL	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/26/19	12/21/19
K6405-04	994-MW-05-(17)	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/26/19	12/21/19
K6405-05	995-MW-11-(15)	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/24/19	12/21/19
K6405-05DL	995-MW-11-(15)DL	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/26/19	12/21/19
K6405-06	996-MW-15-(17)	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/26/19	12/21/19
K6405-09	997-MW-16-(22.5)	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/26/19	12/21/19
K6405-10	998-MW-17A-(15.5)	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/24/19	12/21/19
K6405-11	999-MW-18-(21.5)	Water	VOC-TCLVOA-10	8260-Low	12/20/19		12/26/19	12/21/19

LAB CHRONICLE

K6405-12	1000-MW-19-(28)	Water			12/20/19		12/21/19
			VOC-TCLVOA-10	8260-Low		12/26/19	
K6405-13	1001-FB122019	Water			12/20/19		12/21/19
			VOC-TCLVOA-10	8260-Low		12/27/19	
K6405-14	1002-TB122019	Water			12/20/19		12/21/19
			VOC-TCLVOA-10	8260-Low		12/26/19	

Hit Summary Sheet SW-846

 SDG No.: K6405

 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	991-MW-01-(23)							
K6405-01	991-MW-01-(23)	Water	Vinyl Chloride	1.20		0.16	1.00	ug/L
K6405-01	991-MW-01-(23)	Water	Acetone	3.60	J	0.90	5.00	ug/L
K6405-01	991-MW-01-(23)	Water	trans-1,2-Dichloroethene	2.80		0.24	1.00	ug/L
K6405-01	991-MW-01-(23)	Water	cis-1,2-Dichloroethene	84.30		0.30	1.00	ug/L
K6405-01	991-MW-01-(23)	Water	Trichloroethene	100.00		0.27	1.00	ug/L
K6405-01	991-MW-01-(23)	Water	Tetrachloroethene	1,000.00	E	0.15	1.00	ug/L
			Total Voc :	1191.9				
			Total Concentration:	1191.9				
Client ID:	991-MW-01-(23)DL							
K6405-01DL	991-MW-01-(23)DL	Water	cis-1,2-Dichloroethene	81.30	D	5.90	20.0	ug/L
K6405-01DL	991-MW-01-(23)DL	Water	Trichloroethene	96.40	D	5.40	20.0	ug/L
K6405-01DL	991-MW-01-(23)DL	Water	Tetrachloroethene	820.00	D	3.10	20.0	ug/L
			Total Voc :	997.7				
			Total Concentration:	997.7				
Client ID:	992-MW-02-(23.8)							
K6405-02	992-MW-02-(23.8)	Water	Vinyl Chloride	1.60		0.16	1.00	ug/L
K6405-02	992-MW-02-(23.8)	Water	Acetone	3.20	J	0.90	5.00	ug/L
K6405-02	992-MW-02-(23.8)	Water	trans-1,2-Dichloroethene	1.20		0.24	1.00	ug/L
K6405-02	992-MW-02-(23.8)	Water	cis-1,2-Dichloroethene	36.00		0.30	1.00	ug/L
K6405-02	992-MW-02-(23.8)	Water	Trichloroethene	34.30		0.27	1.00	ug/L
K6405-02	992-MW-02-(23.8)	Water	Tetrachloroethene	57.50		0.15	1.00	ug/L
			Total Voc :	133.8				
K6405-02	992-MW-02-(23.8)	Water	Isobutane	* 5.40	J	0	0	ug/L
			Total Tics :	5.4				
			Total Concentration:	139.2				
Client ID:	993-MW-03A-(17)							
K6405-03	993-MW-03A-(17)	Water	Acetone	3.10	J	0.90	5.00	ug/L
K6405-03	993-MW-03A-(17)	Water	cis-1,2-Dichloroethene	29.40		0.30	1.00	ug/L
K6405-03	993-MW-03A-(17)	Water	Trichloroethene	34.00		0.27	1.00	ug/L
K6405-03	993-MW-03A-(17)	Water	Tetrachloroethene	300.00	E	0.15	1.00	ug/L
			Total Voc :	366.5				
			Total Concentration:	366.5				
Client ID:	993-MW-03A-(17)DL							
K6405-03DL	993-MW-03A-(17)DL	Water	cis-1,2-Dichloroethene	30.00	D	1.50	5.00	ug/L
K6405-03DL	993-MW-03A-(17)DL	Water	Trichloroethene	36.10	D	1.30	5.00	ug/L
K6405-03DL	993-MW-03A-(17)DL	Water	Tetrachloroethene	290.00	D	0.77	5.00	ug/L
			Total Voc :	356.1				
			Total Concentration:	356.1				
Client ID:	994-MW-05-(17)							

Hit Summary Sheet SW-846

SDG No.: K6405
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
K6405-04	994-MW-05-(17)	Water	Trichloroethene	0.76	J	0.27	1.00	ug/L
K6405-04	994-MW-05-(17)	Water	Tetrachloroethene	28.10		0.15	1.00	ug/L
			Total Voc :	28.86				
			Total Concentration:	28.86				
Client ID:	995-MW-11-(15)							
K6405-05	995-MW-11-(15)	Water	Acetone	3.60	J	0.90	5.00	ug/L
K6405-05	995-MW-11-(15)	Water	cis-1,2-Dichloroethene	4.20		0.30	1.00	ug/L
K6405-05	995-MW-11-(15)	Water	Trichloroethene	7.30		0.27	1.00	ug/L
K6405-05	995-MW-11-(15)	Water	Tetrachloroethene	240.00	E	0.15	1.00	ug/L
			Total Voc :	255.1				
			Total Concentration:	255.1				
Client ID:	995-MW-11-(15)DL							
K6405-05DL	995-MW-11-(15)DL	Water	cis-1,2-Dichloroethene	4.80	JD	1.50	5.00	ug/L
K6405-05DL	995-MW-11-(15)DL	Water	Trichloroethene	7.20	D	1.30	5.00	ug/L
K6405-05DL	995-MW-11-(15)DL	Water	Tetrachloroethene	220.00	D	0.77	5.00	ug/L
			Total Voc :	232				
			Total Concentration:	232				
Client ID:	996-MW-15-(17)							
K6405-06	996-MW-15-(17)	Water	Acetone	4.00	J	0.90	5.00	ug/L
K6405-06	996-MW-15-(17)	Water	Tetrachloroethene	0.55	J	0.15	1.00	ug/L
			Total Voc :	4.55				
K6405-06	996-MW-15-(17)	Water	Isopropyl Alcohol	* 6.90	J	0	1.00	ug/L
			Total Tics :	6.9				
			Total Concentration:	11.45				
Client ID:	997-MW-16-(22.5)							
K6405-09	997-MW-16-(22.5)	Water	Acetone	4.50	J	0.90	5.00	ug/L
K6405-09	997-MW-16-(22.5)	Water	Trichloroethene	0.62	J	0.27	1.00	ug/L
K6405-09	997-MW-16-(22.5)	Water	Tetrachloroethene	2.50		0.15	1.00	ug/L
			Total Voc :	7.62				
			Total Concentration:	7.62				
Client ID:	998-MW-17A-(15.5)							
K6405-10	998-MW-17A-(15.5)	Water	Vinyl Chloride	2.30		0.16	1.00	ug/L
K6405-10	998-MW-17A-(15.5)	Water	Acetone	5.00		0.90	5.00	ug/L
K6405-10	998-MW-17A-(15.5)	Water	trans-1,2-Dichloroethene	1.90		0.24	1.00	ug/L
K6405-10	998-MW-17A-(15.5)	Water	Cyclohexane	3.90	J	1.20	5.00	ug/L
K6405-10	998-MW-17A-(15.5)	Water	cis-1,2-Dichloroethene	69.60		0.30	1.00	ug/L
K6405-10	998-MW-17A-(15.5)	Water	Methylcyclohexane	1.70		0.17	1.00	ug/L
K6405-10	998-MW-17A-(15.5)	Water	Benzene	0.51	J	0.10	1.00	ug/L
K6405-10	998-MW-17A-(15.5)	Water	Trichloroethene	26.60		0.27	1.00	ug/L
K6405-10	998-MW-17A-(15.5)	Water	Tetrachloroethene	28.00		0.15	1.00	ug/L

Hit Summary Sheet SW-846

SDG No.: K6405
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
K6405-10	998-MW-17A-(15.5)	Water	o-Xylene	0.32	J	0.13	1.00	ug/L
			Total Voc :	139.83				
K6405-10	998-MW-17A-(15.5)	Water	Isobutane	* 9.90	J	0	0	ug/L
K6405-10	998-MW-17A-(15.5)	Water	Butane, 2-methyl-	* 12.20	J	0	0	ug/L
			Total Tics :	22.1				
			Total Concentration:	161.93				
Client ID:	999-MW-18-(21.5)							
K6405-11	999-MW-18-(21.5)	Water	Acetone	9.30		0.90	5.00	ug/L
K6405-11	999-MW-18-(21.5)	Water	Trichloroethene	0.97	J	0.27	1.00	ug/L
K6405-11	999-MW-18-(21.5)	Water	Tetrachloroethene	4.70		0.15	1.00	ug/L
			Total Voc :	14.97				
K6405-11	999-MW-18-(21.5)	Water	Isopropyl Alcohol	* 6.70	J	0	1.00	ug/L
			Total Tics :	6.7				
			Total Concentration:	21.67				
Client ID:	1000-MW-19-(28)							
K6405-12	1000-MW-19-(28)	Water	Acetone	4.70	J	0.90	5.00	ug/L
K6405-12	1000-MW-19-(28)	Water	cis-1,2-Dichloroethene	0.50	J	0.30	1.00	ug/L
K6405-12	1000-MW-19-(28)	Water	Trichloroethene	0.69	J	0.27	1.00	ug/L
K6405-12	1000-MW-19-(28)	Water	Tetrachloroethene	1.10		0.15	1.00	ug/L
			Total Voc :	6.99				
K6405-12	1000-MW-19-(28)	Water	Propane, 2-ethoxy-	* 5.20	J	0	0	ug/L
			Total Tics :	5.2				
			Total Concentration:	12.19				
Client ID:	1001-FB122019							
K6405-13	1001-FB122019	Water	Acetone	7.30		0.90	5.00	ug/L
			Total Voc :	7.3				
K6405-13	1001-FB122019	Water	1-Hexanol, 2-ethyl-	* 9.60	J	0	0	ug/L
			Total Tics :	9.6				
			Total Concentration:	16.9				

QC
SUMMARY

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Surrogate Summary

 SDG No.: K6405

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
K6405-01	991-MW-01-(23)	1,2-Dichloroethane-d4	50	48.5	97	61	141
		Dibromofluoromethane	50	48.5	97	69	133
		Toluene-d8	50	50.2	100	65	126
		4-Bromofluorobenzene	50	46.9	94	58	135
K6405-01DL	991-MW-01-(23)DL	1,2-Dichloroethane-d4	50	49.4	99	61	141
		Dibromofluoromethane	50	49.1	98	69	133
		Toluene-d8	50	50.8	102	65	126
		4-Bromofluorobenzene	50	46.3	93	58	135
K6405-02	992-MW-02-(23.8)	1,2-Dichloroethane-d4	50	48.5	97	61	141
		Dibromofluoromethane	50	48.4	97	69	133
		Toluene-d8	50	50.1	100	65	126
		4-Bromofluorobenzene	50	45.5	91	58	135
K6405-03	993-MW-03A-(17)	1,2-Dichloroethane-d4	50	48.2	96	61	141
		Dibromofluoromethane	50	48.7	97	69	133
		Toluene-d8	50	50.2	100	65	126
		4-Bromofluorobenzene	50	46.5	93	58	135
K6405-03DL	993-MW-03A-(17)DL	1,2-Dichloroethane-d4	50	49.0	98	61	141
		Dibromofluoromethane	50	49.0	98	69	133
		Toluene-d8	50	49.8	100	65	126
		4-Bromofluorobenzene	50	45.5	91	58	135
K6405-04	994-MW-05-(17)	1,2-Dichloroethane-d4	50	49.6	99	61	141
		Dibromofluoromethane	50	48.9	98	69	133
		Toluene-d8	50	50.3	101	65	126
		4-Bromofluorobenzene	50	45.5	91	58	135
K6405-05	995-MW-11-(15)	1,2-Dichloroethane-d4	50	49.2	98	61	141
		Dibromofluoromethane	50	49.2	98	69	133
		Toluene-d8	50	50.6	101	65	126
		4-Bromofluorobenzene	50	46.5	93	58	135
K6405-05DL	995-MW-11-(15)DL	1,2-Dichloroethane-d4	50	50.0	100	61	141
		Dibromofluoromethane	50	50.0	100	69	133
		Toluene-d8	50	50.9	102	65	126
		4-Bromofluorobenzene	50	46.6	93	58	135
K6405-06	996-MW-15-(17)	1,2-Dichloroethane-d4	50	49.9	100	61	141
		Dibromofluoromethane	50	48.9	98	69	133
		Toluene-d8	50	50.1	100	65	126
		4-Bromofluorobenzene	50	46.1	92	58	135
K6405-07MS	996-MW-15-(17)MS	1,2-Dichloroethane-d4	50	51.3	103	61	141
		Dibromofluoromethane	50	50.3	101	69	133
		Toluene-d8	50	49.2	98	65	126
		4-Bromofluorobenzene	50	48.3	97	58	135
K6405-08MSD	996-MW-15-(17)MSD	1,2-Dichloroethane-d4	50	51.1	102	61	141
		Dibromofluoromethane	50	51.7	103	69	133
		Toluene-d8	50	50.6	101	65	126
		4-Bromofluorobenzene	50	49.5	99	58	135
K6405-09	997-MW-16-(22.5)	1,2-Dichloroethane-d4	50	48.8	98	61	141
		Dibromofluoromethane	50	49.4	99	69	133
		Toluene-d8	50	50.2	100	65	126
		4-Bromofluorobenzene	50	45.8	92	58	135
K6405-10	998-MW-17A-(15.5)	1,2-Dichloroethane-d4	50	48.5	97	61	141
		Dibromofluoromethane	50	49.6	99	69	133
		Toluene-d8	50	49.7	99	65	126
		4-Bromofluorobenzene	50	45.2	90	58	135

Surrogate Summary

 SDG No.: K6405

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
K6405-11	999-MW-18-(21.5)	1,2-Dichloroethane-d4	50	50.0	100	61	141
		Dibromofluoromethane	50	48.4	97	69	133
		Toluene-d8	50	49.8	100	65	126
		4-Bromofluorobenzene	50	45.6	91	58	135
K6405-12	1000-MW-19-(28)	1,2-Dichloroethane-d4	50	49.8	99	61	141
		Dibromofluoromethane	50	49.2	98	69	133
		Toluene-d8	50	50.7	101	65	126
		4-Bromofluorobenzene	50	45.5	91	58	135
K6405-13	1001-FB122019	1,2-Dichloroethane-d4	50	49.3	99	61	141
		Dibromofluoromethane	50	49.1	98	69	133
		Toluene-d8	50	50.2	100	65	126
		4-Bromofluorobenzene	50	45.9	92	58	135
K6405-14	1002-TB122019	1,2-Dichloroethane-d4	50	49.7	99	61	141
		Dibromofluoromethane	50	48.9	98	69	133
		Toluene-d8	50	50.1	100	65	126
		4-Bromofluorobenzene	50	46.2	92	58	135
VX1224WBL01	VX1224WBL01	1,2-Dichloroethane-d4	50	49.4	99	61	141
		Dibromofluoromethane	50	49.2	98	69	133
		Toluene-d8	50	50.5	101	65	126
		4-Bromofluorobenzene	50	46.9	94	58	135
VX1224WBS01	VX1224WBS01	1,2-Dichloroethane-d4	50	47.9	96	61	141
		Dibromofluoromethane	50	49.6	99	69	133
		Toluene-d8	50	49.5	99	65	126
		4-Bromofluorobenzene	50	48.2	96	58	135
VX1226WBL01	VX1226WBL01	1,2-Dichloroethane-d4	50	49.1	98	61	141
		Dibromofluoromethane	50	49.5	99	69	133
		Toluene-d8	50	50.5	101	65	126
		4-Bromofluorobenzene	50	46.4	93	58	135
VX1226WBS01	VX1226WBS01	1,2-Dichloroethane-d4	50	50.8	102	61	141
		Dibromofluoromethane	50	51.9	104	69	133
		Toluene-d8	50	52.2	104	65	126
		4-Bromofluorobenzene	50	49.3	99	58	135
VX1227WBL01	VX1227WBL01	1,2-Dichloroethane-d4	50	49.0	98	61	141
		Dibromofluoromethane	50	49.5	99	69	133
		Toluene-d8	50	50.6	101	65	126
		4-Bromofluorobenzene	50	45.4	91	58	135
VX1227WBS01	VX1227WBS01	1,2-Dichloroethane-d4	50	49.1	98	61	141
		Dibromofluoromethane	50	50.7	101	69	133
		Toluene-d8	50	50.0	100	65	126
		4-Bromofluorobenzene	50	48.4	97	58	135

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	K6405-07MS	Client Sample ID :	996-MW-15-(17)MS					Datafile :	VX014255.D			
Dichlorodifluoromethane	50	0	43.3	ug/L	87				47	161		
Chloromethane	50	0	46.8	ug/L	94				53	157		
Vinyl chloride	50	0	47.8	ug/L	96				57	149		
Bromomethane	50	0	44.6	ug/L	89				45	165		
Chloroethane	50	0	49.4	ug/L	99				47	166		
Trichlorofluoromethane	50	0	48.9	ug/L	98				51	165		
1,1,2-Trichlorotrifluoroethane	50	0	47.9	ug/L	96				61	145		
1,1-Dichloroethene	50	0	48.5	ug/L	97				55	148		
Acetone	250	4.00	180	ug/L	70				11	159		
Carbon disulfide	50	0	44.6	ug/L	89				13	149		
Methyl tert-butyl Ether	50	0	51.9	ug/L	104				60	145		
Methyl Acetate	50	0	49.1	ug/L	98				27	167		
Methylene Chloride	50	0	48.1	ug/L	96				56	146		
trans-1,2-Dichloroethene	50	0	48.4	ug/L	97				60	141		
1,1-Dichloroethane	50	0	50.5	ug/L	101				61	144		
Cyclohexane	50	0	49.3	ug/L	99				57	142		
2-Butanone	250	0	230	ug/L	92				42	145		
Carbon Tetrachloride	50	0	49.6	ug/L	99				60	140		
cis-1,2-Dichloroethene	50	0	50.5	ug/L	101				48	156		
Bromochloromethane	50	0	55.8	ug/L	112				59	146		
Chloroform	50	0	52.1	ug/L	104				63	140		
1,1,1-Trichloroethane	50	0	50.5	ug/L	101				65	140		
Methylcyclohexane	50	0	45.0	ug/L	90				62	128		
Benzene	50	0	49.1	ug/L	98				62	134		
1,2-Dichloroethane	50	0	49.5	ug/L	99				67	136		
Trichloroethene	50	0	47.3	ug/L	95				64	131		
1,2-Dichloropropane	50	0	50.5	ug/L	101				69	130		
Bromodichloromethane	50	0	50.3	ug/L	101				66	132		
4-Methyl-2-Pentanone	250	0	260	ug/L	104				57	148		
Toluene	50	0	48.2	ug/L	96				68	129		
t-1,3-Dichloropropene	50	0	50.1	ug/L	100				54	136		
cis-1,3-Dichloropropene	50	0	49.9	ug/L	100				56	133		
1,1,2-Trichloroethane	50	0	49.6	ug/L	99				68	134		
2-Hexanone	250	0	240	ug/L	96				46	158		
Dibromochloromethane	50	0	51.7	ug/L	103				59	136		
1,2-Dibromoethane	50	0	50.5	ug/L	101				65	138		
Tetrachloroethene	50	1.60	45.7	ug/L	88				29	137		
Chlorobenzene	50	0	48.8	ug/L	98				68	126		
Ethyl Benzene	50	0	49.5	ug/L	99				61	131		
m/p-Xylenes	100	0	97.1	ug/L	97				64	125		
o-Xylene	50	0	49.2	ug/L	98				65	126		
Styrene	50	0	49.3	ug/L	99				40	140		
Bromoform	50	0	51.4	ug/L	103				42	134		
Isopropylbenzene	50	0	51.0	ug/L	102				58	132		
1,1,2,2-Tetrachloroethane	50	0	51.3	ug/L	103				61	136		
1,3-Dichlorobenzene	50	0	47.4	ug/L	95				63	125		
1,4-Dichlorobenzene	50	0	46.4	ug/L	93				64	124		

**Matrix Spike/Matrix Spike Duplicate Summary
SW-846**SDG No.: K6405Client: Day Environmental, Inc.Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	48.0	ug/L	96				64	126		
1,2-Dibromo-3-Chloropropane	50	0	48.2	ug/L	96				57	139		
1,2,4-Trichlorobenzene	50	0	47.3	ug/L	95				57	130		
1,2,3-Trichlorobenzene	50	0	48.8	ug/L	98				57	131		

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	K6405-08MSD	Client Sample ID :	996-MW-15-(17)MSD					Datafile :	VX014256.D			
Dichlorodifluoromethane	50	0	43.8	ug/L	88		1		47	161	20	
Chloromethane	50	0	46.8	ug/L	94		0		53	157	20	
Vinyl chloride	50	0	47.3	ug/L	95		1		57	149	20	
Bromomethane	50	0	46.2	ug/L	92		4		45	165	20	
Chloroethane	50	0	49.5	ug/L	99		0		47	166	20	
Trichlorofluoromethane	50	0	48.5	ug/L	97		1		51	165	20	
1,1,2-Trichlorotrifluoroethane	50	0	48.0	ug/L	96		0		61	145	20	
1,1-Dichloroethene	50	0	49.4	ug/L	99		2		55	148	20	
Acetone	250	4.00	170	ug/L	66		6		11	159	20	
Carbon disulfide	50	0	45.1	ug/L	90		1		13	149	20	
Methyl tert-butyl Ether	50	0	52.2	ug/L	104		1		60	145	20	
Methyl Acetate	50	0	49.7	ug/L	99		1		27	167	20	
Methylene Chloride	50	0	48.4	ug/L	97		1		56	146	20	
trans-1,2-Dichloroethene	50	0	48.5	ug/L	97		0		60	141	20	
1,1-Dichloroethane	50	0	50.4	ug/L	101		0		61	144	20	
Cyclohexane	50	0	49.7	ug/L	99		1		57	142	20	
2-Butanone	250	0	240	ug/L	96		4		42	145	20	
Carbon Tetrachloride	50	0	49.9	ug/L	100		1		60	140	20	
cis-1,2-Dichloroethene	50	0	50.4	ug/L	101		0		48	156	20	
Bromochloromethane	50	0	55.6	ug/L	111		0		59	146	20	
Chloroform	50	0	51.3	ug/L	103		2		63	140	20	
1,1,1-Trichloroethane	50	0	50.3	ug/L	101		0		65	140	20	
Methylcyclohexane	50	0	46.1	ug/L	92		2		62	128	20	
Benzene	50	0	48.7	ug/L	97		1		62	134	20	
1,2-Dichloroethane	50	0	49.3	ug/L	99		0		67	136	20	
Trichloroethene	50	0	47.7	ug/L	95		1		64	131	20	
1,2-Dichloropropane	50	0	51.0	ug/L	102		1		69	130	20	
Bromodichloromethane	50	0	50.9	ug/L	102		1		66	132	20	
4-Methyl-2-Pentanone	250	0	260	ug/L	104		0		57	148	20	
Toluene	50	0	48.1	ug/L	96		0		68	129	20	
t-1,3-Dichloropropene	50	0	50.7	ug/L	101		1		54	136	20	
cis-1,3-Dichloropropene	50	0	50.8	ug/L	102		2		56	133	20	
1,1,2-Trichloroethane	50	0	50.0	ug/L	100		1		68	134	20	
2-Hexanone	250	0	240	ug/L	96		0		46	158	20	
Dibromochloromethane	50	0	52.4	ug/L	105		1		59	136	20	
1,2-Dibromoethane	50	0	50.0	ug/L	100		1		65	138	20	
Tetrachloroethene	50	1.60	45.3	ug/L	87		1		29	137	20	
Chlorobenzene	50	0	47.8	ug/L	96		2		68	126	20	
Ethyl Benzene	50	0	49.2	ug/L	98		1		61	131	20	
m/p-Xylenes	100	0	97.7	ug/L	98		1		64	125	20	
o-Xylene	50	0	48.5	ug/L	97		1		65	126	20	
Styrene	50	0	49.4	ug/L	99		0		40	140	20	
Bromoform	50	0	52.3	ug/L	105		2		42	134	20	
Isopropylbenzene	50	0	50.9	ug/L	102		0		58	132	20	
1,1,2,2-Tetrachloroethane	50	0	51.1	ug/L	102		0		61	136	20	
1,3-Dichlorobenzene	50	0	46.9	ug/L	94		1		63	125	20	
1,4-Dichlorobenzene	50	0	46.7	ug/L	93		1		64	124	20	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	47.5	ug/L	95		1		64	126	20	
1,2-Dibromo-3-Chloropropane	50	0	48.1	ug/L	96		0		57	139	20	
1,2,4-Trichlorobenzene	50	0	48.0	ug/L	96		1		57	130	20	
1,2,3-Trichlorobenzene	50	0	49.5	ug/L	99		1		57	131	20	

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

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VX014235.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1224WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			46	139	
	Chloromethane	20	17.6	ug/L	88			58	139	
	Vinyl chloride	20	17.5	ug/L	88			65	137	
	Bromomethane	20	15.1	ug/L	76			50	162	
	Chloroethane	20	18.6	ug/L	93			54	160	
	Trichlorofluoromethane	20	18.5	ug/L	93			67	143	
	1,1,2-Trichlorotrifluoroethane	20	19.0	ug/L	95			71	136	
	1,1-Dichloroethene	20	18.1	ug/L	91			69	134	
	Acetone	100	87.1	ug/L	87			41	181	
	Carbon disulfide	20	16.9	ug/L	85			63	138	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			72	136	
	Methyl Acetate	20	19.2	ug/L	96			51	158	
	Methylene Chloride	20	18.6	ug/L	93			67	138	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			72	132	
	1,1-Dichloroethane	20	18.5	ug/L	93			74	135	
	Cyclohexane	20	18.7	ug/L	94			67	132	
	2-Butanone	100	92.5	ug/L	93			64	146	
	Carbon Tetrachloride	20	19.3	ug/L	97			71	134	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			74	130	
	Bromochloromethane	20	21.3	ug/L	106			71	136	
	Chloroform	20	18.8	ug/L	94			74	134	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			74	133	
	Methylcyclohexane	20	19.0	ug/L	95			71	125	
	Benzene	20	18.9	ug/L	95			75	125	
	1,2-Dichloroethane	20	19.2	ug/L	96			76	130	
	Trichloroethene	20	18.3	ug/L	92			73	127	
	1,2-Dichloropropane	20	19.2	ug/L	96			76	125	
	Bromodichloromethane	20	19.0	ug/L	95			78	127	
	4-Methyl-2-Pentanone	100	95.2	ug/L	95			71	140	
	Toluene	20	18.7	ug/L	94			74	125	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			74	131	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			74	128	
	1,1,2-Trichloroethane	20	19.2	ug/L	96			75	129	
	2-Hexanone	100	93.8	ug/L	94			62	153	
	Dibromochloromethane	20	19.1	ug/L	96			74	131	
	1,2-Dibromoethane	20	19.6	ug/L	98			74	129	
	Tetrachloroethene	20	20.3	ug/L	102			46	157	
	Chlorobenzene	20	18.9	ug/L	95			76	123	
	Ethyl Benzene	20	18.9	ug/L	95			75	126	
	m/p-Xylenes	40	37.1	ug/L	93			74	126	
	o-Xylene	20	18.4	ug/L	92			73	127	
	Styrene	20	18.6	ug/L	93			75	126	
	Bromoform	20	17.9	ug/L	90			66	130	
	Isopropylbenzene	20	19.6	ug/L	98			70	127	
	1,1,2,2-Tetrachloroethane	20	18.7	ug/L	94			66	131	
	1,3-Dichlorobenzene	20	18.3	ug/L	92			70	125	
	1,4-Dichlorobenzene	20	18.3	ug/L	92			71	124	
	1,2-Dichlorobenzene	20	18.3	ug/L	92			71	126	
	1,2-Dibromo-3-Chloropropane	20	17.3	ug/L	86			62	134	

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

SDG No.: K6405
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low Datafile : VX014235.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1224WBS01	1,2,4-Trichlorobenzene	20	18.5	ug/L	93			62	129	
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94			58	130	

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

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VX014262.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1226WBS01	Dichlorodifluoromethane	20	17.8	ug/L	89			46	139	
	Chloromethane	20	18.5	ug/L	93			58	139	
	Vinyl chloride	20	18.3	ug/L	92			65	137	
	Bromomethane	20	15.7	ug/L	79			50	162	
	Chloroethane	20	20.2	ug/L	101			54	160	
	Trichlorofluoromethane	20	19.6	ug/L	98			67	143	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			71	136	
	1,1-Dichloroethene	20	19.2	ug/L	96			69	134	
	Acetone	100	75.3	ug/L	75			41	181	
	Carbon disulfide	20	17.9	ug/L	90			63	138	
	Methyl tert-butyl Ether	20	19.7	ug/L	99			72	136	
	Methyl Acetate	20	20.6	ug/L	103			51	158	
	Methylene Chloride	20	18.8	ug/L	94			67	138	
	trans-1,2-Dichloroethene	20	18.9	ug/L	95			72	132	
	1,1-Dichloroethane	20	19.3	ug/L	97			74	135	
	Cyclohexane	20	19.3	ug/L	97			67	132	
	2-Butanone	100	91.3	ug/L	91			64	146	
	Carbon Tetrachloride	20	19.9	ug/L	100			71	134	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			74	130	
	Bromochloromethane	20	22.7	ug/L	114			71	136	
	Chloroform	20	20.1	ug/L	101			74	134	
	1,1,1-Trichloroethane	20	19.2	ug/L	96			74	133	
	Methylcyclohexane	20	19.0	ug/L	95			71	125	
	Benzene	20	19.7	ug/L	99			75	125	
	1,2-Dichloroethane	20	19.9	ug/L	100			76	130	
	Trichloroethene	20	19.3	ug/L	97			73	127	
	1,2-Dichloropropane	20	20.0	ug/L	100			76	125	
	Bromodichloromethane	20	19.9	ug/L	100			78	127	
	4-Methyl-2-Pentanone	100	100	ug/L	100			71	140	
	Toluene	20	19.3	ug/L	97			74	125	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			74	131	
	cis-1,3-Dichloropropene	20	19.9	ug/L	100			74	128	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			75	129	
	2-Hexanone	100	94.1	ug/L	94			62	153	
	Dibromochloromethane	20	19.7	ug/L	99			74	131	
	1,2-Dibromoethane	20	20.1	ug/L	101			74	129	
	Tetrachloroethene	20	20.0	ug/L	100			46	157	
	Chlorobenzene	20	19.3	ug/L	97			76	123	
	Ethyl Benzene	20	19.8	ug/L	99			75	126	
	m/p-Xylenes	40	39.5	ug/L	99			74	126	
	o-Xylene	20	19.4	ug/L	97			73	127	
	Styrene	20	19.3	ug/L	97			75	126	
	Bromoform	20	19.1	ug/L	96			66	130	
	Isopropylbenzene	20	20.7	ug/L	104			70	127	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			66	131	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			70	125	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			71	124	
	1,2-Dichlorobenzene	20	19.0	ug/L	95			71	126	
	1,2-Dibromo-3-Chloropropane	20	17.7	ug/L	89			62	134	

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

SDG No.: K6405
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low Datafile : VX014262.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1226WBS01	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			62	129	
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98			58	130	

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

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VX014304.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1227WBS01	Dichlorodifluoromethane	20	16.2	ug/L	81			46	139	
	Chloromethane	20	17.6	ug/L	88			58	139	
	Vinyl chloride	20	17.5	ug/L	88			65	137	
	Bromomethane	20	15.7	ug/L	79			50	162	
	Chloroethane	20	19.0	ug/L	95			54	160	
	Trichlorofluoromethane	20	18.4	ug/L	92			67	143	
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/L	94			71	136	
	1,1-Dichloroethene	20	17.4	ug/L	87			69	134	
	Acetone	100	81.1	ug/L	81			41	181	
	Carbon disulfide	20	16.4	ug/L	82			63	138	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			72	136	
	Methyl Acetate	20	18.8	ug/L	94			51	158	
	Methylene Chloride	20	17.9	ug/L	90			67	138	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			72	132	
	1,1-Dichloroethane	20	18.8	ug/L	94			74	135	
	Cyclohexane	20	18.1	ug/L	91			67	132	
	2-Butanone	100	89.8	ug/L	90			64	146	
	Carbon Tetrachloride	20	18.5	ug/L	93			71	134	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			74	130	
	Bromochloromethane	20	21.7	ug/L	109			71	136	
	Chloroform	20	19.0	ug/L	95			74	134	
	1,1,1-Trichloroethane	20	18.0	ug/L	90			74	133	
	Methylcyclohexane	20	18.4	ug/L	92			71	125	
	Benzene	20	18.8	ug/L	94			75	125	
	1,2-Dichloroethane	20	18.7	ug/L	94			76	130	
	Trichloroethene	20	18.5	ug/L	93			73	127	
	1,2-Dichloropropane	20	19.1	ug/L	96			76	125	
	Bromodichloromethane	20	18.5	ug/L	93			78	127	
	4-Methyl-2-Pentanone	100	93.3	ug/L	93			71	140	
	Toluene	20	18.5	ug/L	93			74	125	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			74	131	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			74	128	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			75	129	
	2-Hexanone	100	90.7	ug/L	91			62	153	
	Dibromochloromethane	20	18.8	ug/L	94			74	131	
	1,2-Dibromoethane	20	19.2	ug/L	96			74	129	
	Tetrachloroethene	20	19.6	ug/L	98			46	157	
	Chlorobenzene	20	18.5	ug/L	93			76	123	
	Ethyl Benzene	20	18.9	ug/L	95			75	126	
	m/p-Xylenes	40	37.8	ug/L	95			74	126	
	o-Xylene	20	18.6	ug/L	93			73	127	
	Styrene	20	18.6	ug/L	93			75	126	
	Bromoform	20	18.0	ug/L	90			66	130	
	Isopropylbenzene	20	19.3	ug/L	97			70	127	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/L	93			66	131	
	1,3-Dichlorobenzene	20	18.5	ug/L	93			70	125	
	1,4-Dichlorobenzene	20	18.3	ug/L	92			71	124	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			71	126	
	1,2-Dibromo-3-Chloropropane	20	16.2	ug/L	81			62	134	

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

SDG No.: K6405
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low Datafile : VX014304.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX1227WBS01	1,2,4-Trichlorobenzene	20	18.4	ug/L	92			62	129	
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96			58	130	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1224WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: K6405SAS No.: K6405 SDG NO.: K6405Lab File ID: VX014234.DLab Sample ID: VX1224WBL01Date Analyzed: 12/24/2019Time Analyzed: 10:32GC Column: DB-624UI ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1224WBS01	VX1224WBS01	VX014235.D	12/24/2019
991-MW-01- (23)	K6405-01	VX014247.D	12/24/2019
993-MW-03A- (17)	K6405-03	VX014249.D	12/24/2019
995-MW-11- (15)	K6405-05	VX014251.D	12/24/2019
998-MW-17A- (15.5)	K6405-10	VX014254.D	12/24/2019
996-MW-15- (17)MS	K6405-07MS	VX014255.D	12/24/2019
996-MW-15- (17)MSD	K6405-08MSD	VX014256.D	12/24/2019

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1226WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: K6405SAS No.: K6405 SDG NO.: K6405Lab File ID: VX014261.DLab Sample ID: VX1226WBL01Date Analyzed: 12/26/2019Time Analyzed: 11:45GC Column: DB-624UI ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1226WBS01	VX1226WBS01	VX014262.D	12/26/2019
1002-TB122019	K6405-14	VX014265.D	12/26/2019
992-MW-02- (23.8)	K6405-02	VX014271.D	12/26/2019
994-MW-05- (17)	K6405-04	VX014272.D	12/26/2019
996-MW-15- (17)	K6405-06	VX014273.D	12/26/2019
997-MW-16- (22.5)	K6405-09	VX014274.D	12/26/2019
999-MW-18- (21.5)	K6405-11	VX014275.D	12/26/2019
1000-MW-19- (28)	K6405-12	VX014276.D	12/26/2019
991-MW-01- (23) DL	K6405-01DL	VX014281.D	12/26/2019
993-MW-03A- (17) DL	K6405-03DL	VX014282.D	12/26/2019
995-MW-11- (15) DL	K6405-05DL	VX014283.D	12/26/2019

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1227WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: K6405SAS No.: K6405 SDG NO.: K6405Lab File ID: VX014303.DLab Sample ID: VX1227WBL01Date Analyzed: 12/27/2019Time Analyzed: 12:41GC Column: DB-624UI ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1227WBS01	VX1227WBS01	VX014304.D	12/27/2019
1001-FB122019	K6405-13	VX014310.D	12/27/2019

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014005.D BFB Injection Date: 12/13/2019
 Instrument ID: MSVOA_X BFB Injection Time: 12:35
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.1
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.1) 1
174	50.0 - 100.0% of mass 95	91.7
175	5.0 - 9.0% of mass 174	6.8 (7.4) 1
176	95.0 - 101.0% of mass 174	89.8 (97.9) 1
177	5.0 - 9.0% of mass 176	5.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX014007.D	12/13/2019	14:49
VSTDIC005	VSTDIC005	VX014008.D	12/13/2019	15:12
VSTDIC020	VSTDIC020	VX014009.D	12/13/2019	15:36
VSTDIC050	VSTDIC050	VX014010.D	12/13/2019	15:59
VSTDIC100	VSTDIC100	VX014011.D	12/13/2019	16:22
VSTDIC150	VSTDIC150	VX014012.D	12/13/2019	16:45



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014231.D BFB Injection Date: 12/24/2019
 Instrument ID: MSVOA_X BFB Injection Time: 08:54
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.3 (1.6) 1
174	50.0 - 100.0% of mass 95	85.1
175	5.0 - 9.0% of mass 174	6.6 (7.7) 1
176	95.0 - 101.0% of mass 174	81.3 (95.5) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX014232.D	12/24/2019	09:28
VX1224WBL01	VX1224WBL01	VX014234.D	12/24/2019	10:32
VX1224WBS01	VX1224WBS01	VX014235.D	12/24/2019	11:09
991-MW-01-(23)	K6405-01	VX014247.D	12/24/2019	16:01
993-MW-03A-(17)	K6405-03	VX014249.D	12/24/2019	16:48
995-MW-11-(15)	K6405-05	VX014251.D	12/24/2019	17:35
998-MW-17A-(15.5)	K6405-10	VX014254.D	12/24/2019	18:45
996-MW-15-(17)MS	K6405-07MS	VX014255.D	12/24/2019	19:08
996-MW-15-(17)MSD	K6405-08MSD	VX014256.D	12/24/2019	19:31



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014258.D BFB Injection Date: 12/26/2019
 Instrument ID: MSVOA_X BFB Injection Time: 10:14
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.4
175	5.0 - 9.0% of mass 174	6.1 (7.5) 1
176	95.0 - 101.0% of mass 174	78.8 (96.9) 1
177	5.0 - 9.0% of mass 176	5.6 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX014259.D	12/26/2019	10:46
VX1226WBL01	VX1226WBL01	VX014261.D	12/26/2019	11:45
VX1226WBS01	VX1226WBS01	VX014262.D	12/26/2019	12:18
1002-TB122019	K6405-14	VX014265.D	12/26/2019	13:38
992-MW-02-(23.8)	K6405-02	VX014271.D	12/26/2019	15:58
994-MW-05-(17)	K6405-04	VX014272.D	12/26/2019	16:21
996-MW-15-(17)	K6405-06	VX014273.D	12/26/2019	16:44
997-MW-16-(22.5)	K6405-09	VX014274.D	12/26/2019	17:08
999-MW-18-(21.5)	K6405-11	VX014275.D	12/26/2019	17:31
1000-MW-19-(28)	K6405-12	VX014276.D	12/26/2019	17:54
991-MW-01-(23)DL	K6405-01DL	VX014281.D	12/26/2019	19:50
993-MW-03A-(17)DL	K6405-03DL	VX014282.D	12/26/2019	20:14
995-MW-11-(15)DL	K6405-05DL	VX014283.D	12/26/2019	20:37



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014301.D BFB Injection Date: 12/27/2019
 Instrument ID: MSVOA_X BFB Injection Time: 11:31
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	85.3
175	5.0 - 9.0% of mass 174	6.5 (7.6) 1
176	95.0 - 101.0% of mass 174	81.3 (95.2) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX014302.D	12/27/2019	12:03
VX1227WBL01	VX1227WBL01	VX014303.D	12/27/2019	12:41
VX1227WBS01	VX1227WBS01	VX014304.D	12/27/2019	13:15
1001-FB122019	K6405-13	VX014310.D	12/27/2019	15:44

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014232.D Date Analyzed: 12/24/2019
 Instrument ID: MSVOA_X Time Analyzed: 09:28
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	538017	5.65	799944	6.85	721140	10.10
UPPER LIMIT	1076030	6.15	1599890	7.35	1442280	10.6
LOWER LIMIT	269009	5.15	399972	6.35	360570	9.6
EPA SAMPLE NO.						
991-MW-01-(23)	550345	5.65	843221	6.85	749280	10.11
993-MW-03A-(17)	554049	5.65	852225	6.85	755465	10.11
995-MW-11-(15)	538402	5.65	828843	6.85	759077	10.11
996-MW-15-(17)MS	483179	5.65	766167	6.85	688774	10.11
996-MW-15-(17)MSD	488343	5.65	767359	6.85	695552	10.11
998-MW-17A-(15.5)	556094	5.65	844118	6.85	741493	10.11
VX1224WBL01	561321	5.65	856402	6.85	773822	10.11
VX1224WBS01	525210	5.65	786891	6.84	709008	10.10

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014232.D Date Analyzed: 12/24/2019
 Instrument ID: MSVOA_X Time Analyzed: 09:28
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	364828	12.07			
UPPER LIMIT	729656	12.57			
LOWER LIMIT	182414	11.57			
EPA SAMPLE NO.					
991-MW-01-(23)	335916	12.07			
993-MW-03A-(17)	335833	12.07			
995-MW-11-(15)	334150	12.07			
996-MW-15-(17)MS	338475	12.07			
996-MW-15-(17)MSD	343564	12.07			
998-MW-17A-(15.5)	318309	12.07			
VX1224WBL01	345231	12.07			
VX1224WBS01	349083	12.07			

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014259.D Date Analyzed: 12/26/2019
 Instrument ID: MSVOA_X Time Analyzed: 10:46
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	521803	5.65	782219	6.85	705002	10.10
UPPER LIMIT	1043610	6.15	1564440	7.35	1410000	10.6
LOWER LIMIT	260902	5.15	391110	6.35	352501	9.6
EPA SAMPLE NO.						
991-MW-01-(23)DL	525064	5.65	807481	6.85	734095	10.11
992-MW-02-(23.8)	541143	5.65	834985	6.85	744345	10.11
993-MW-03A-(17)DL	527397	5.65	815574	6.85	730963	10.11
994-MW-05-(17)	540190	5.65	830906	6.85	751127	10.11
995-MW-11-(15)DL	530079	5.65	816484	6.85	736656	10.11
996-MW-15-(17)	524511	5.65	812062	6.85	727039	10.11
997-MW-16-(22.5)	530795	5.65	815830	6.85	734502	10.11
999-MW-18-(21.5)	527117	5.65	826945	6.85	741103	10.11
1000-MW-19-(28)	532412	5.65	820686	6.85	734410	10.11
1002-TB122019	540463	5.65	841355	6.85	752846	10.11
VX1226WBL01	553692	5.65	848003	6.85	767663	10.10
VX1226WBS01	495545	5.65	752803	6.85	673248	10.10

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014259.D Date Analyzed: 12/26/2019
 Instrument ID: MSVOA_X Time Analyzed: 10:46
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	355197	12.07			
UPPER LIMIT	710394	12.57			
LOWER LIMIT	177599	11.57			
EPA SAMPLE NO.					
991-MW-01-(23)DL	319659	12.07			
992-MW-02-(23.8)	328519	12.07			
993-MW-03A-(17)DL	317988	12.07			
994-MW-05-(17)	326744	12.07			
995-MW-11-(15)DL	320708	12.07			
996-MW-15-(17)	312996	12.07			
997-MW-16-(22.5)	317706	12.07			
999-MW-18-(21.5)	320484	12.07			
1000-MW-19-(28)	317429	12.07			
1002-TB122019	332840	12.07			
VX1226WBL01	338103	12.07			
VX1226WBS01	331077	12.07			

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014302.D Date Analyzed: 12/27/2019
 Instrument ID: MSVOA_X Time Analyzed: 12:03
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	510192	5.65	769144	6.85	696368	10.10
UPPER LIMIT	1020380	6.15	1538290	7.35	1392740	10.6
LOWER LIMIT	255096	5.15	384572	6.35	348184	9.6
EPA SAMPLE NO.						
1001-FB122019	517477	5.65	804362	6.85	720729	10.11
VX1227WBL01	544872	5.65	840483	6.84	752515	10.10
VX1227WBS01	502000	5.65	756236	6.85	675604	10.10

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG NO.: K6405
 Lab File ID: VX014302.D Date Analyzed: 12/27/2019
 Instrument ID: MSVOA_X Time Analyzed: 12:03
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	361319	12.07			
UPPER LIMIT	722638	12.57			
LOWER LIMIT	180660	11.57			
EPA SAMPLE NO.					
1001-FB122019	310917	12.07			
VX1227WBL01	322319	12.07			
VX1227WBS01	335091	12.07			

IS4 = 1,4-Dichlorobenzene-d4

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

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

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SAMPLE
DATA

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014247.D
 Acq On : 24 Dec 2019 16:01
 Operator : JC/SP
 Sample : K6405-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 991-MW-01-(23)

Quant Time: Dec 25 07:38:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	550345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	843221	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	749280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	335916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	302751	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	5.49	113	248395	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
50) Toluene-d8	8.71	98	1002051	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.14	95	342415	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

Target Compounds

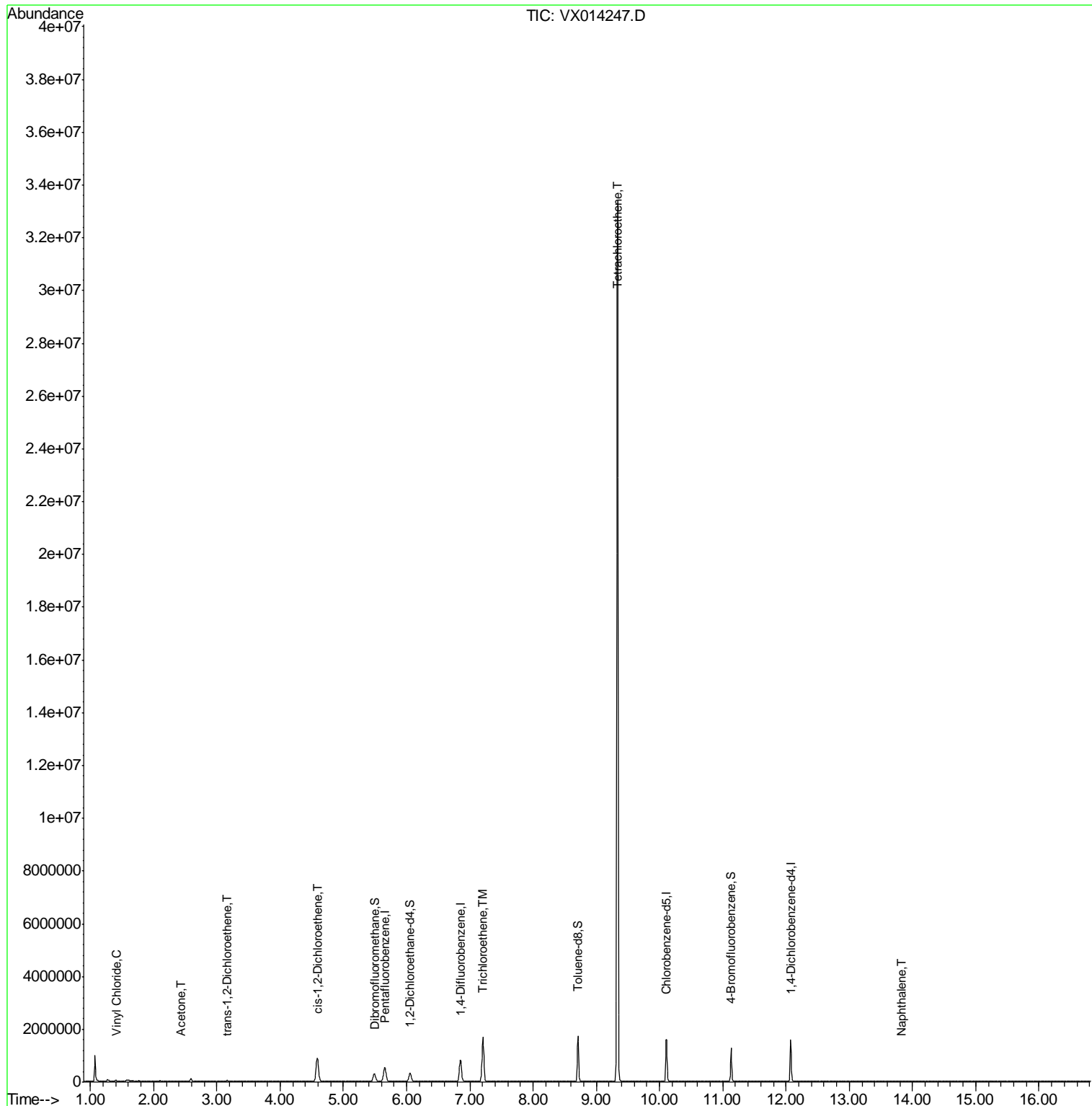
						Qvalue
4) Vinyl Chloride	1.40	62	8574	1.230	ug/l	92
16) Acetone	2.44	43	14520	3.586	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	16235	2.784	ug/l	87
27) cis-1,2-Dichloroethene	4.58	96	556313	84.340	ug/l	90
44) Trichloroethene	7.21	130	664771	101.100	ug/l	98
64) Tetrachloroethene	9.34	164	6721041	1013.701	ug/l	97
95) Naphthalene	13.83	128	5423	0.247	ug/l #	91

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

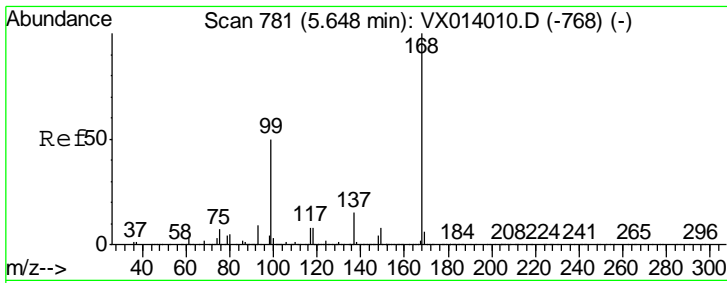
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014247.D
 Acq On : 24 Dec 2019 16:01
 Operator : JC/SP
 Sample : K6405-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 991-MW-01-(23)

Quant Time: Dec 25 07:38:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



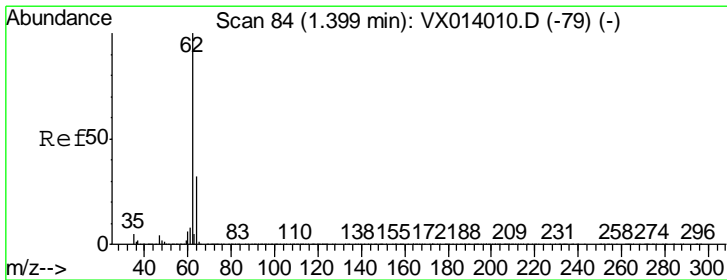
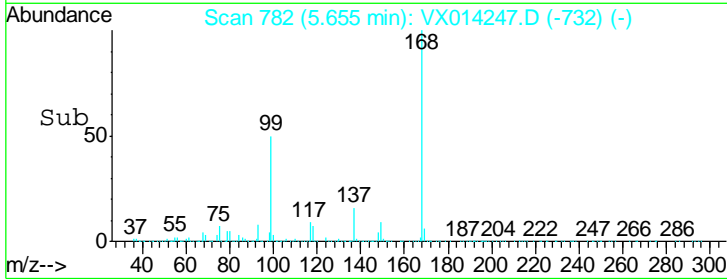
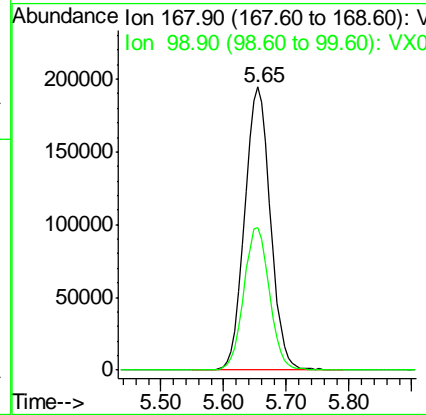
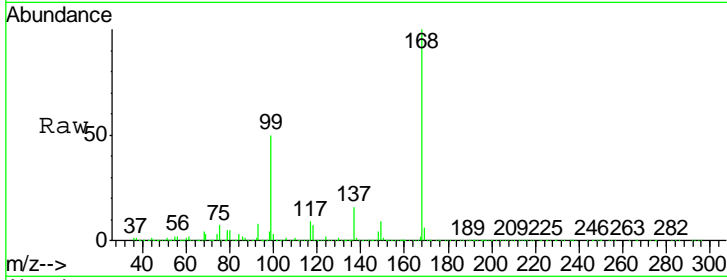
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

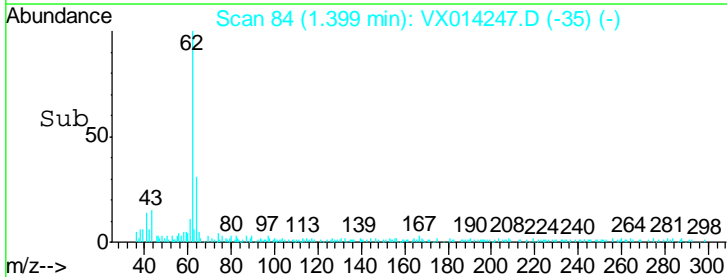
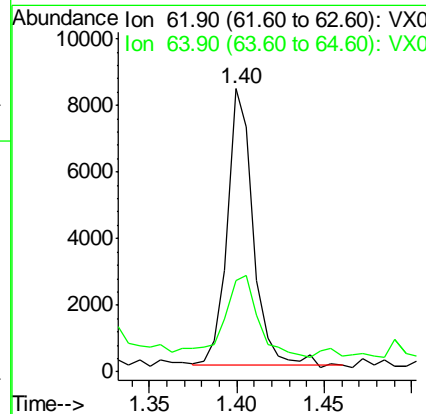
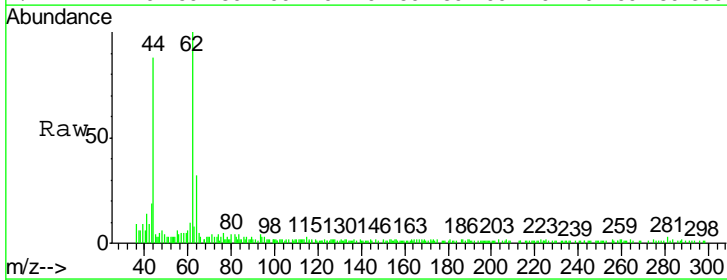
Instrument : MSVOA_X
 Client Sampled : 991-MW-01-(23)

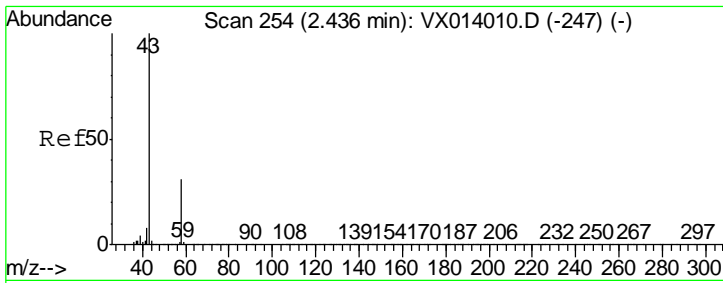
Tgt Ion	Resp	Lower	Upper
168	550345		
99	50.3	40.3	60.5



#4
 Vinyl Chloride
 Concen: 1.230 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

Tgt Ion	Resp	Lower	Upper
62	8574		
64	27.5	25.7	38.5

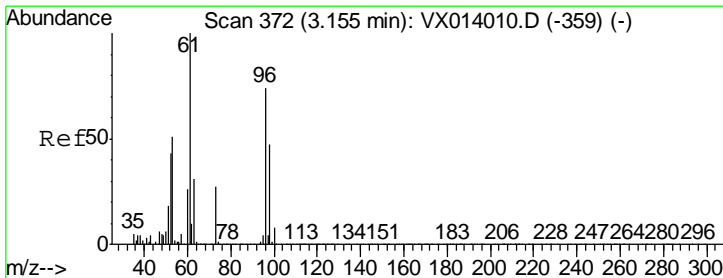
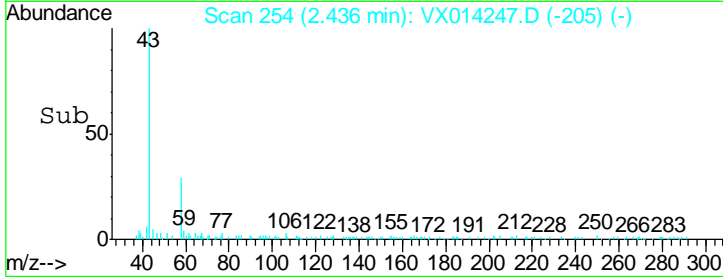
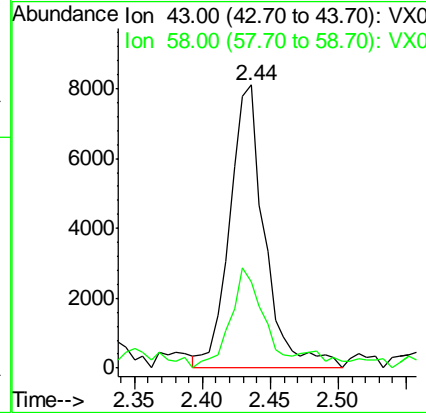
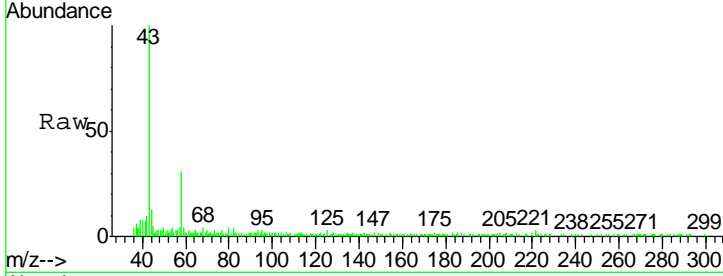




#16
 Acetone
 Concen: 3.586 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

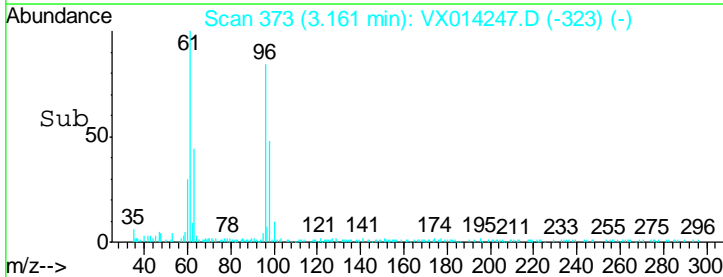
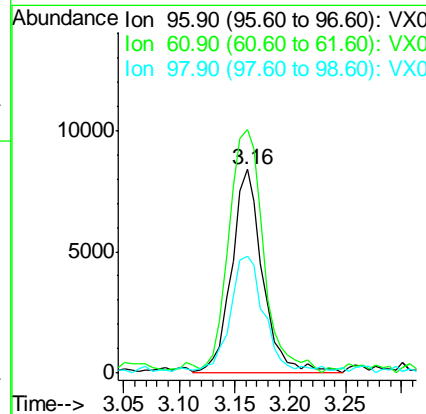
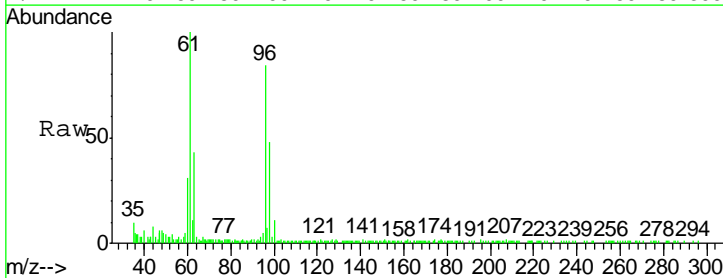
Instrument :
 MSVOA_X
 ClientSampled :
 991-MW-01-(23)

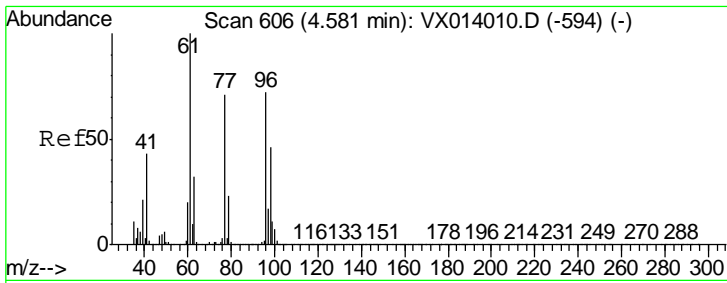
Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.1	24.9	37.3



#21
 trans-1,2-Dichloroethene
 Concen: 2.784 ug/l
 RT: 3.16 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.3	108.3	162.5
98	55.8	50.8	76.2

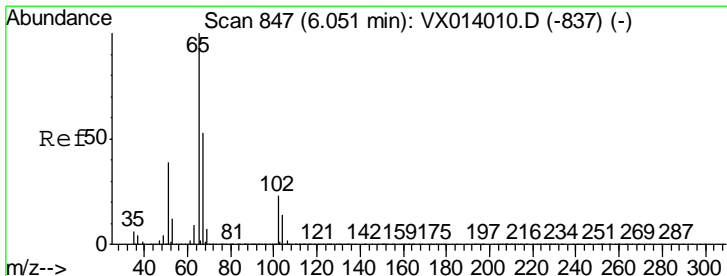
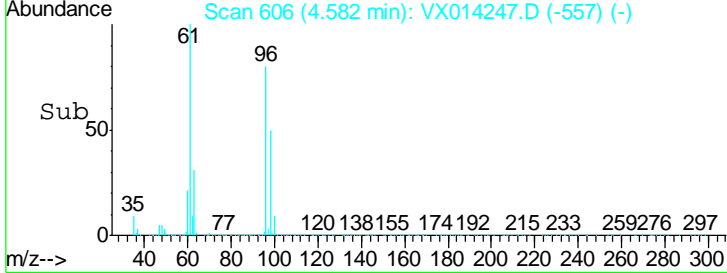
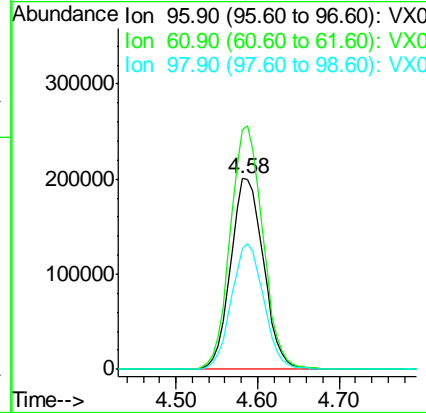
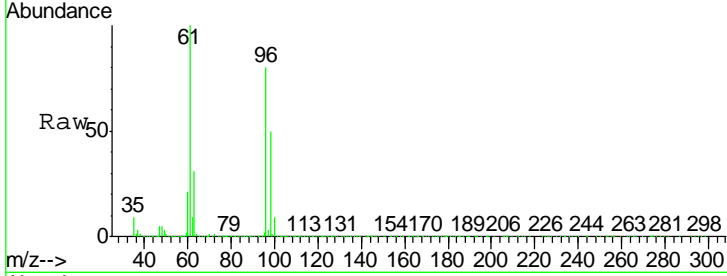




#27
 cis-1,2-Dichloroethene
 Concen: 84.340 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

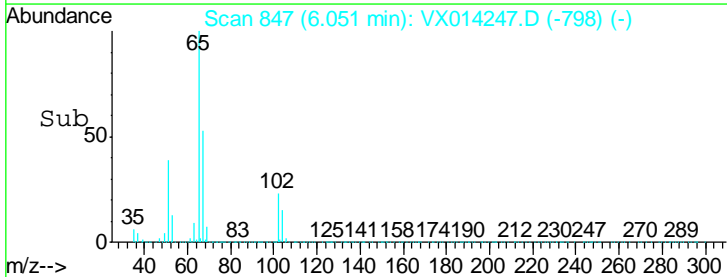
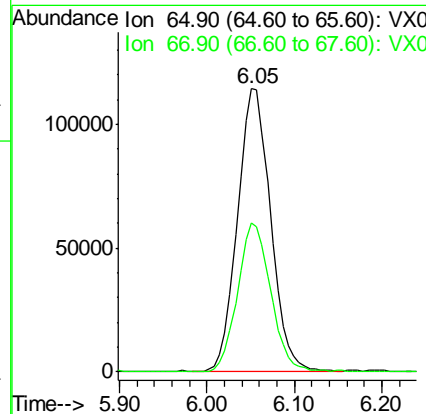
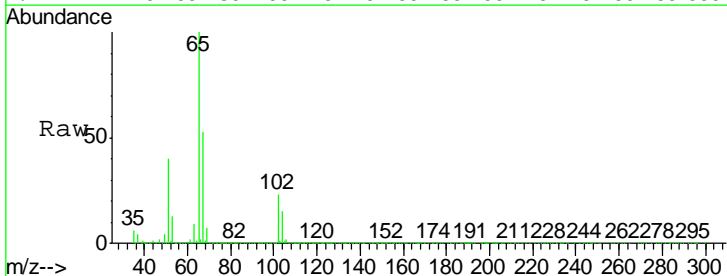
Instrument : MSVOA_X
 ClientSampled : 991-MW-01-(23)

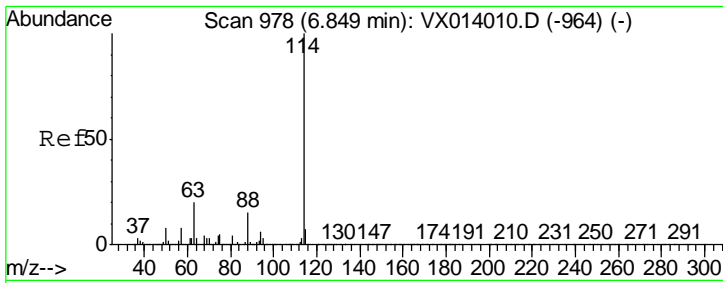
Tgt Ion	Resp	Lower	Upper
96	556313		
61	126.5	0.0	288.4
98	64.8	0.0	129.6



#33
 1,2-Dichloroethane-d4
 Concen: 48.538 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

Tgt Ion	Resp	Lower	Upper
65	302751		
67	52.0	0.0	106.4

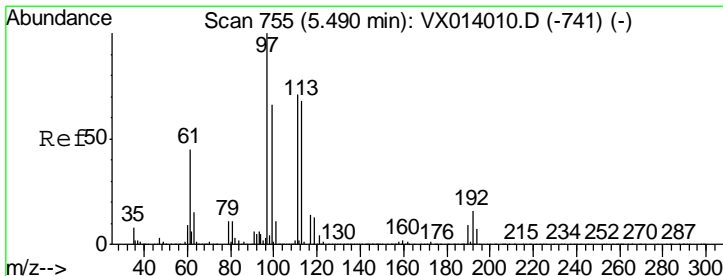
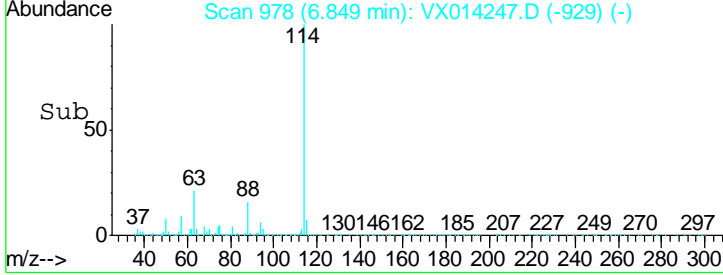
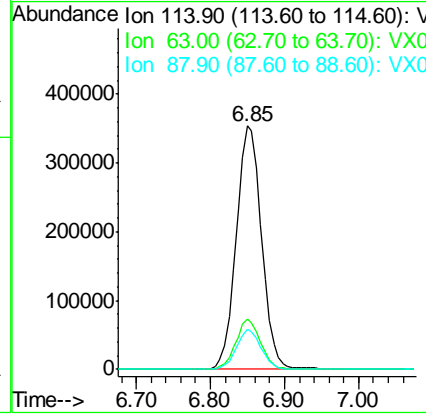
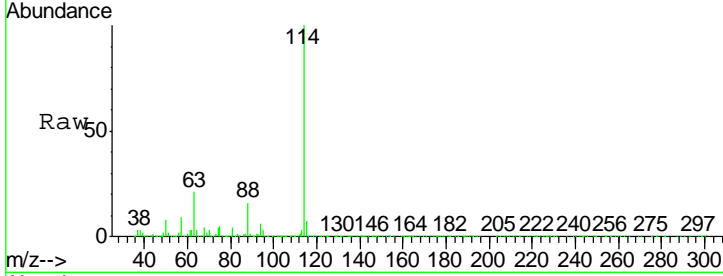




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

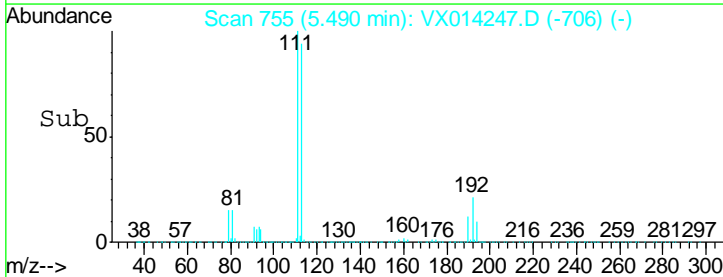
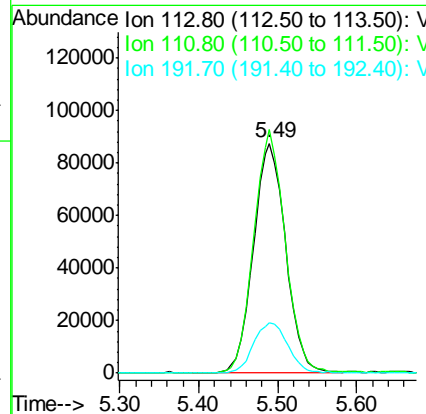
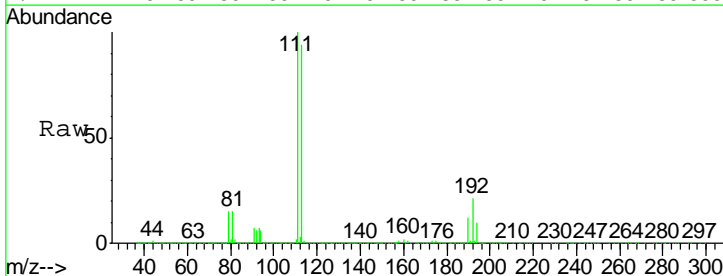
Instrument : MSVOA_X
 ClientSampleId : 991-MW-01-(23)

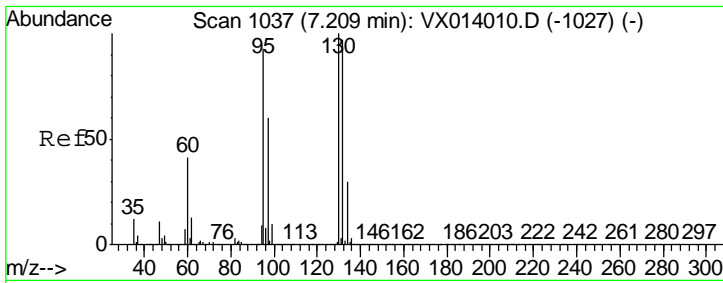
Tgt Ion	Resp	Lower	Upper
114	843221		
63	20.6	0.0	40.8
88	16.2	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 48.459 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

Tgt Ion	Resp	Lower	Upper
113	248395		
111	103.9	82.0	123.0
192	23.6	19.3	28.9

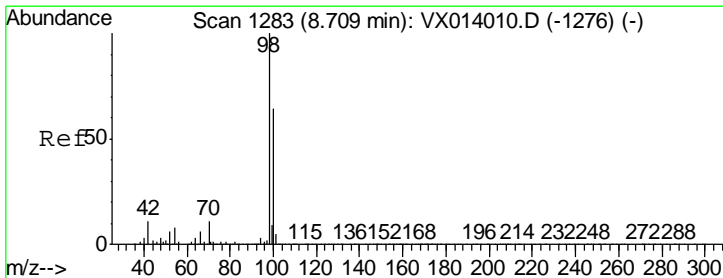
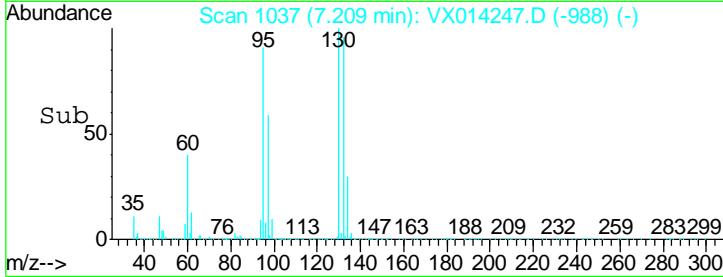
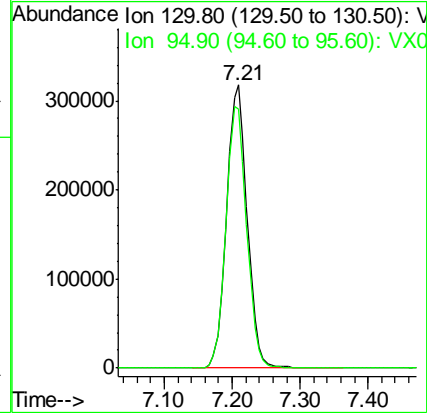
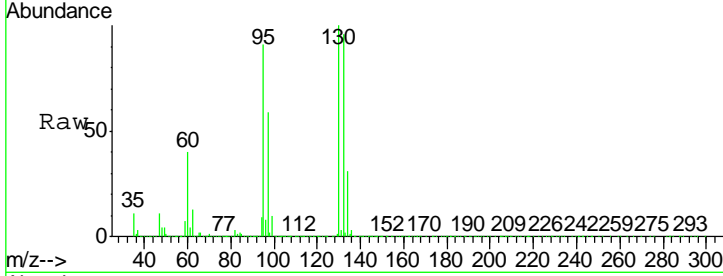




#44
 Trichloroethene
 Concen: 101.100 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

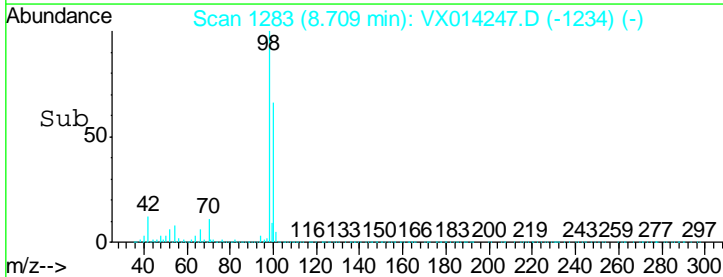
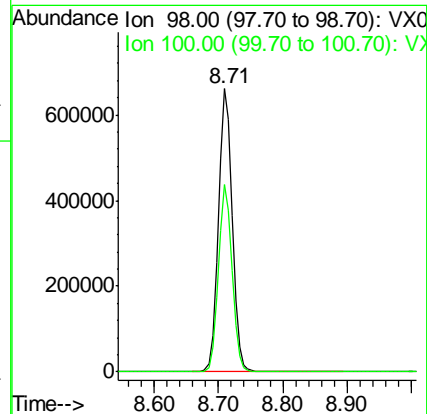
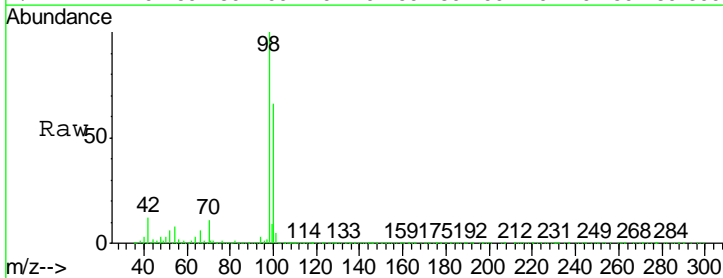
Instrument :
 MSVOA_X
 ClientSampleId :
 991-MW-01-(23)

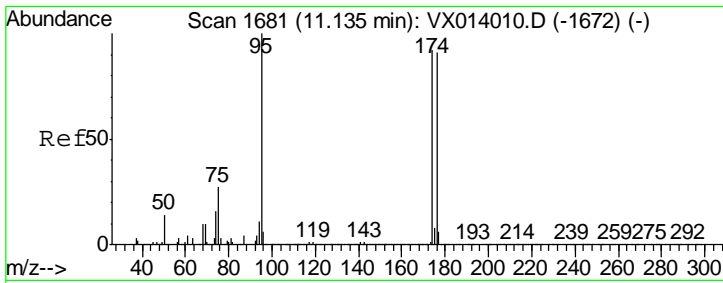
Tgt Ion	Resp	Lower	Upper
130	664771		
95	91.3	0.0	185.6



#50
 Toluene-d8
 Concen: 50.213 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

Tgt Ion	Resp	Lower	Upper
98	1002051		
100	65.6	52.9	79.3

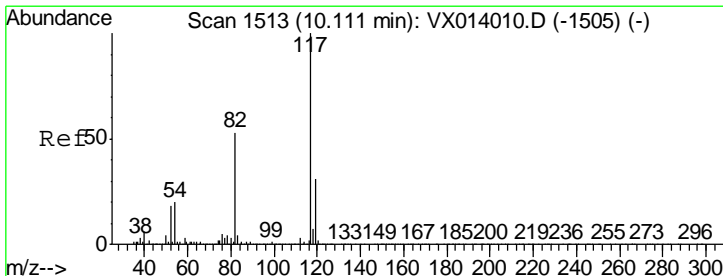
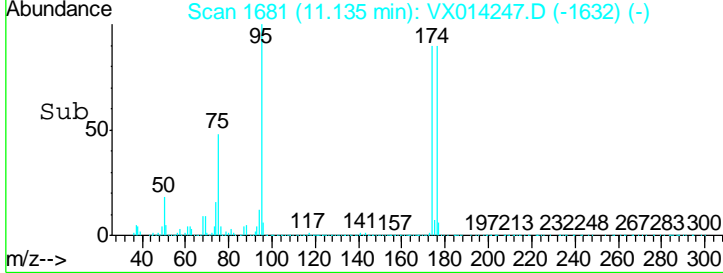
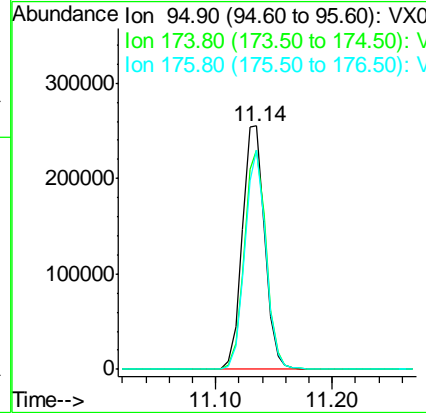
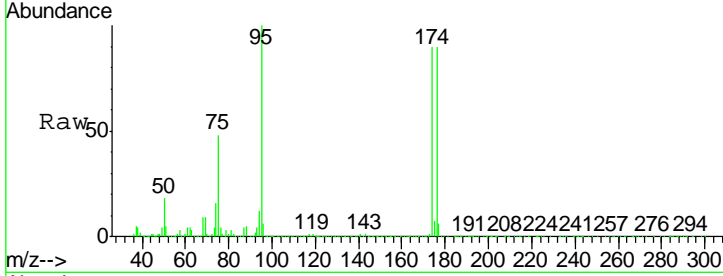




#62
 4-Bromofluorobenzene
 Concen: 46.939 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

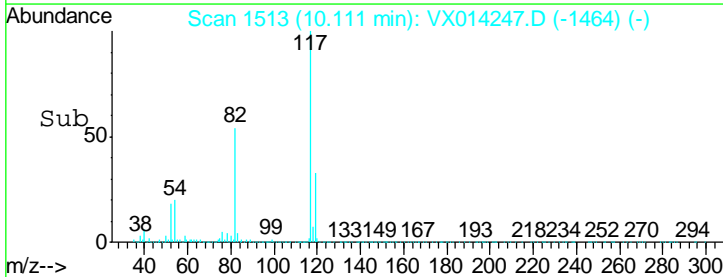
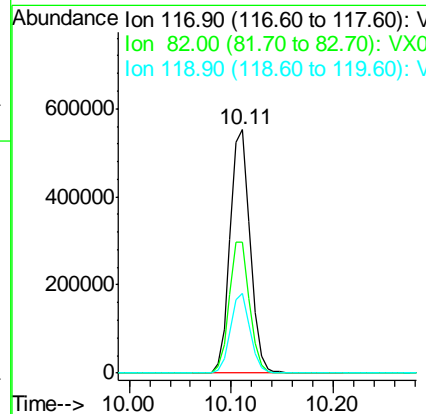
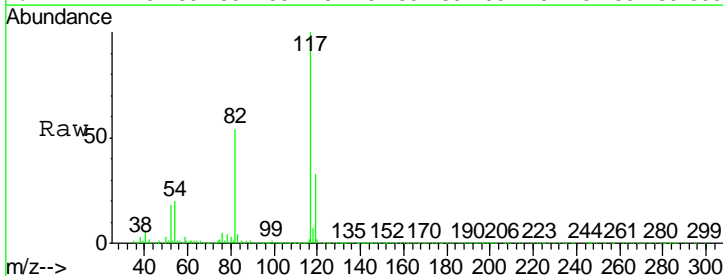
Instrument : MSVOA_X
 Client Sampled : 991-MW-01-(23)

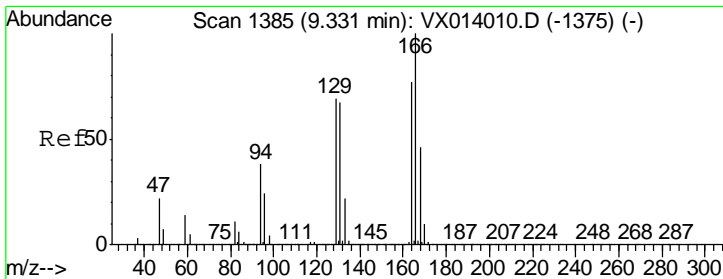
Tgt Ion	Resp	Lower	Upper
95	100		
174	87.8	0.0	175.8
176	84.6	0.0	173.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

Tgt Ion	Resp	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	32.6	25.1	37.7

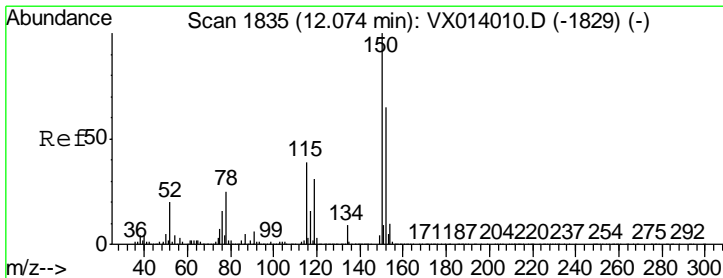
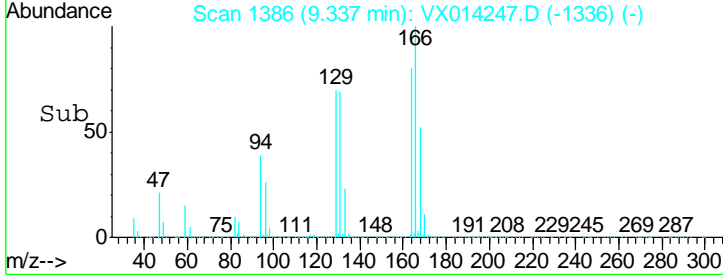
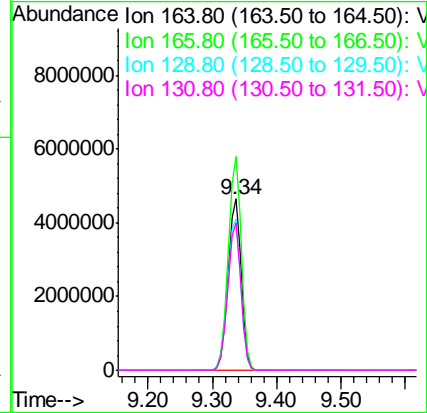
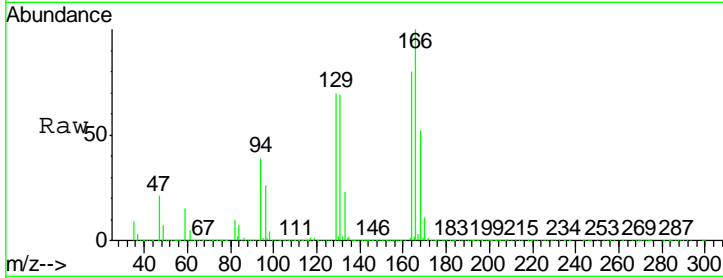




#64
 Tetrachloroethene
 Concen: 1013.701 ug/l
 RT: 9.34 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

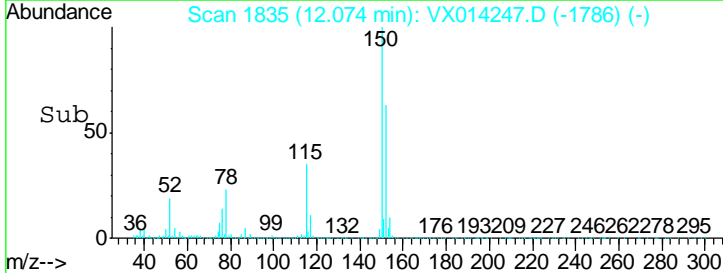
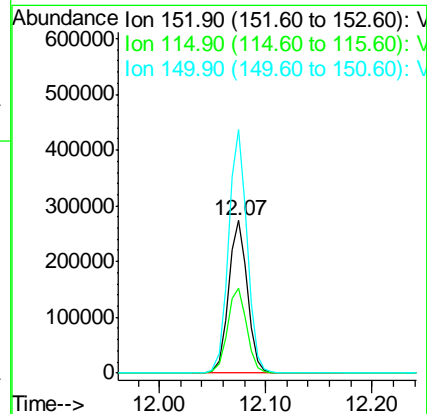
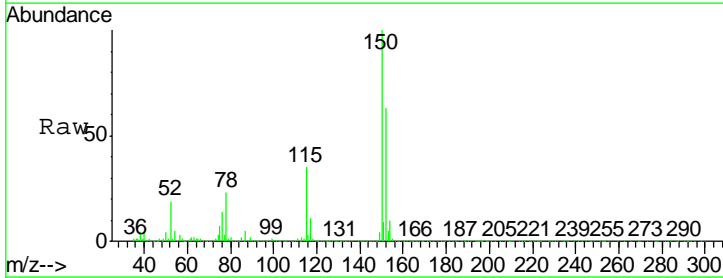
Instrument : MSVOA_X
 ClientSampled : 991-MW-01-(23)

Tgt Ion	Resp	Lower	Upper
164	100		
166	124.9	104.0	156.0
129	88.0	72.2	108.4
131	86.3	69.6	104.4



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014247.D
 Acq: 24 Dec 2019 16:01

Tgt Ion	Resp	Lower	Upper
152	100		
115	57.0	38.3	114.9
150	157.8	0.0	345.4



#95

Naphthalene

Concen: 0.247 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014247.D

Acq: 24 Dec 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

991-MW-01-(23)

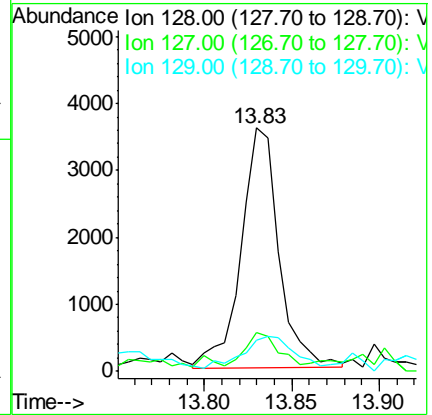
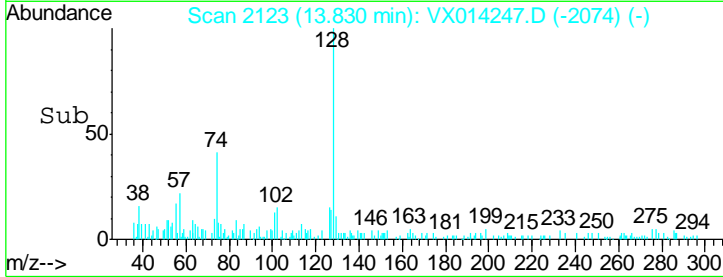
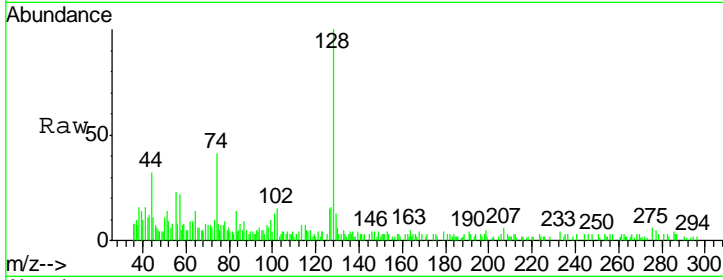
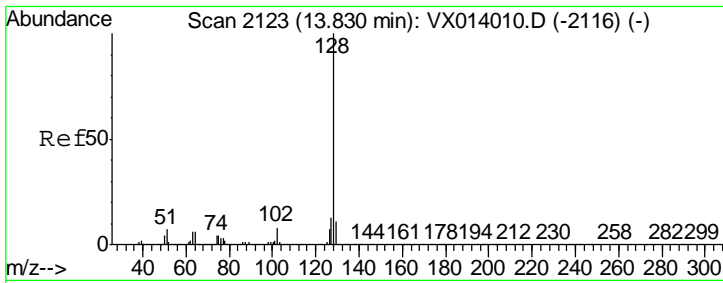
Tot Ion:128 Resp: 5423

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 17.0 8.7 13.1#



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014247.D
 Acq On : 24 Dec 2019 16:01
 Operator : JC/SP
 Sample : K6405-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 991-MW-01-(23)

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	43	rBV	969671	1195430	2.46%	1.728%
2	4.588	595	607	621	rBV	874040	2400545	4.94%	3.470%
3	5.490	743	755	767	rBV	289591	824023	1.70%	1.191%
4	5.655	772	782	797	rVB	524323	1457309	3.00%	2.106%
5	6.051	837	847	859	rBV	329744	841830	1.73%	1.217%
6	6.849	968	978	990	rBV	797750	1874965	3.86%	2.710%
7	7.209	1027	1037	1050	rBV	1676487	3555294	7.32%	5.139%
8	8.709	1277	1283	1295	rBV	1705367	2591560	5.33%	3.746%
9	9.337	1378	1386	1402	rBV	33370778	48600289	100.00%	70.243%
10	10.111	1507	1513	1523	rVB	1593591	2188495	4.50%	3.163%
11	11.135	1675	1681	1689	rBV	1252878	1667084	3.43%	2.409%
12	12.074	1829	1835	1842	rBV	1594284	1992333	4.10%	2.880%

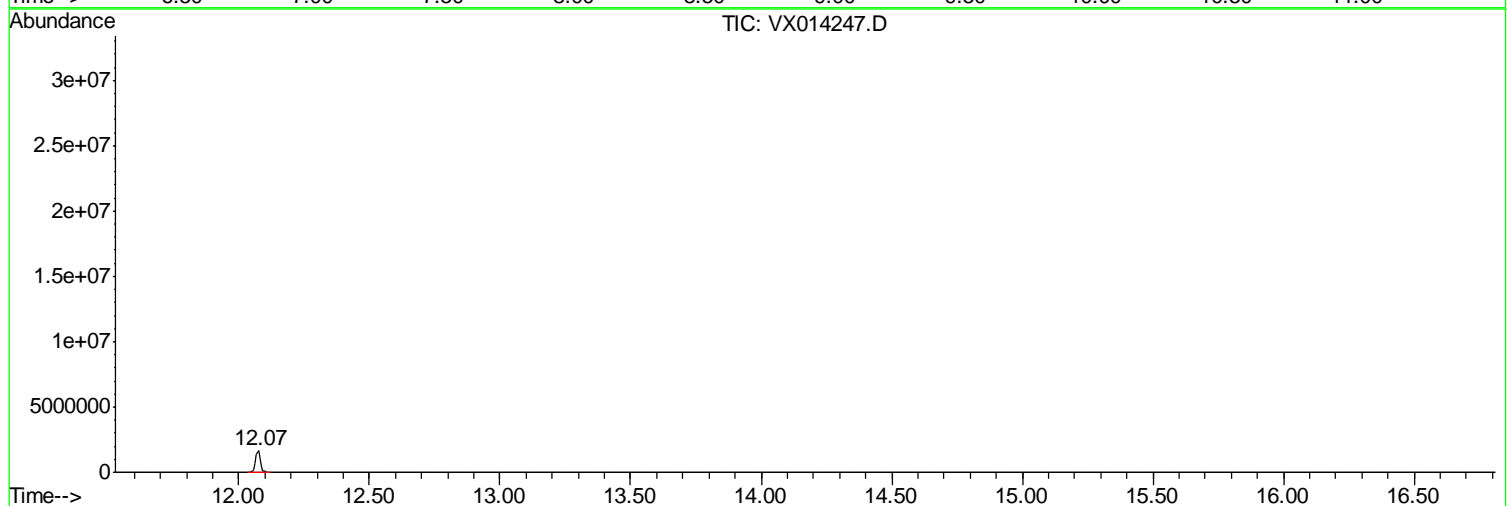
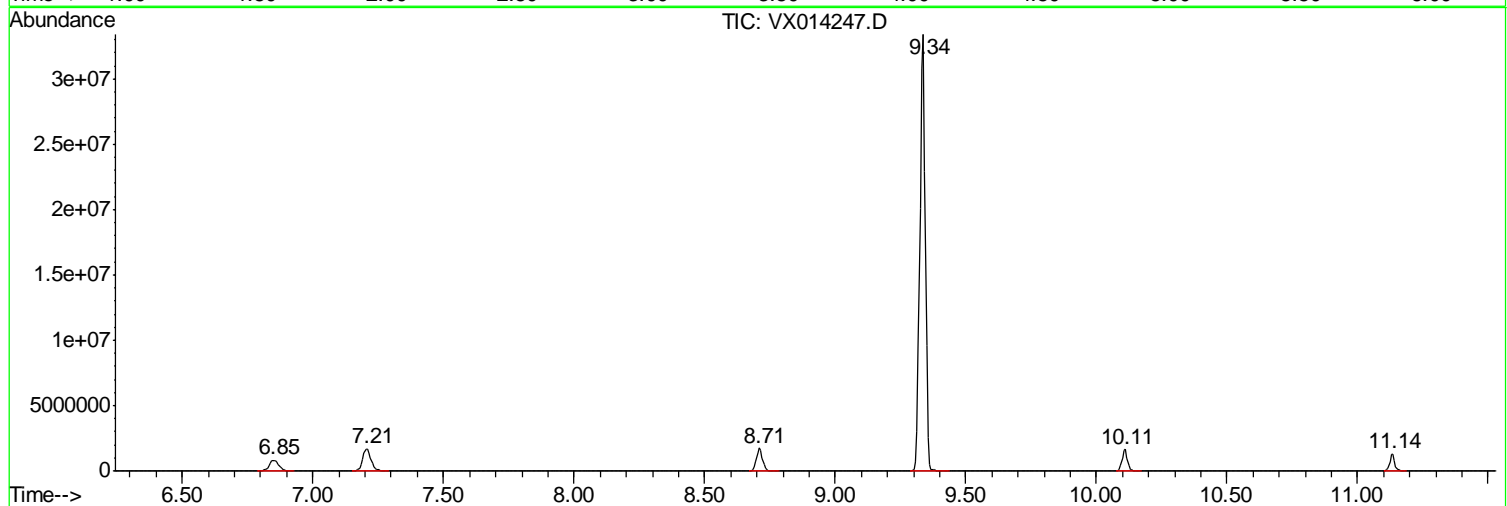
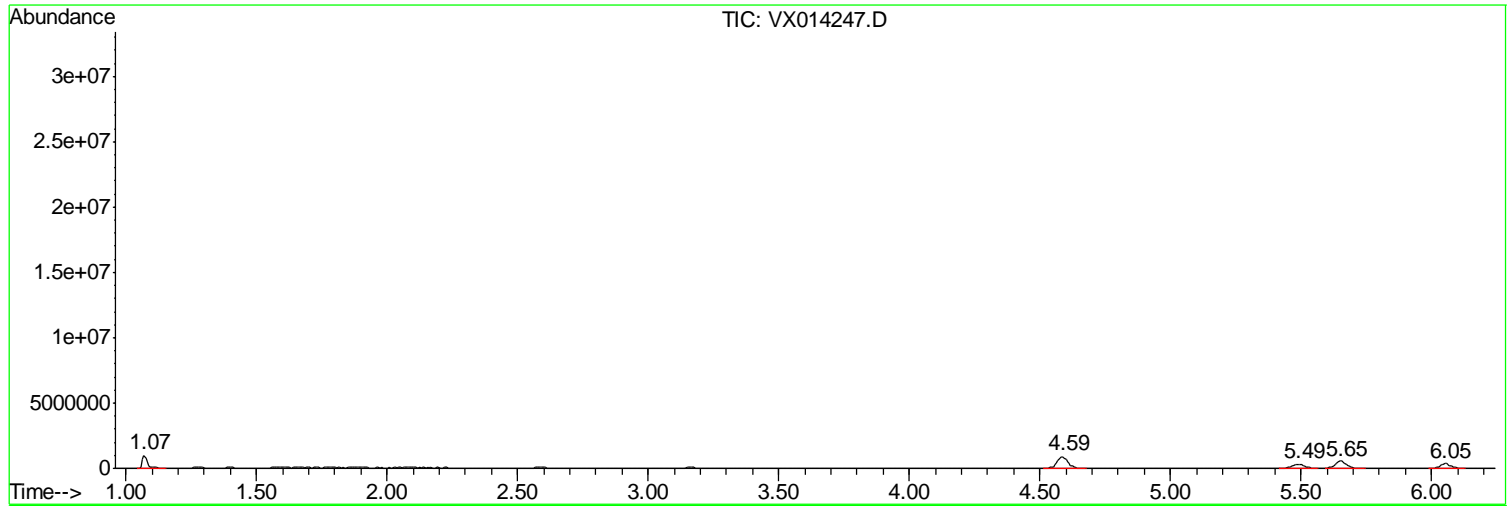
Sum of corrected areas: 69189157

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
Data File : VX014247.D
Acq On : 24 Dec 2019 16:01
Operator : JC/SP
Sample : K6405-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
991-MW-01-(23)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
Data File : VX014247.D
Acq On : 24 Dec 2019 16:01
Operator : JC/SP
Sample : K6405-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
991-MW-01-(23)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX122419\
 Data File : VX014247.D
 Acq On : 24 Dec 2019 16:01
 Operator : JC/SP
 Sample : K6405-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 991-MW-01-(23)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	991-MW-01-(23)DL	SDG No.:	K6405
Lab Sample ID:	K6405-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014281.D	20		12/26/19 19:50	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.0	UD	2.50	20.0	ug/L
591-78-6	2-Hexanone	100	UD	27.1	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.10	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	2.80	20.0	ug/L
127-18-4	Tetrachloroethene	820	D	3.10	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	1.50	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	1.70	20.0	ug/L
179601-23-1	m/p-Xylenes	40.0	UD	3.90	40.0	ug/L
95-47-6	o-Xylene	20.0	UD	2.60	20.0	ug/L
100-42-5	Styrene	20.0	UD	2.10	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.00	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	2.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	3.00	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	2.80	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	4.00	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	2.40	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	10.9	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	4.70	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	5.20	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		61 - 141	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		69 - 133	98%	SPK: 50
2037-26-5	Toluene-d8	50.8		65 - 126	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		58 - 135	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	525000	5.65			
540-36-3	1,4-Difluorobenzene	807000	6.85			
3114-55-4	Chlorobenzene-d5	734000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	320000	12.07			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014281.D
 Acq On : 26 Dec 2019 19:50
 Operator : JC/SP
 Sample : K6405-01DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 991-MW-01-(23)DL

Quant Time: Dec 27 07:26:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

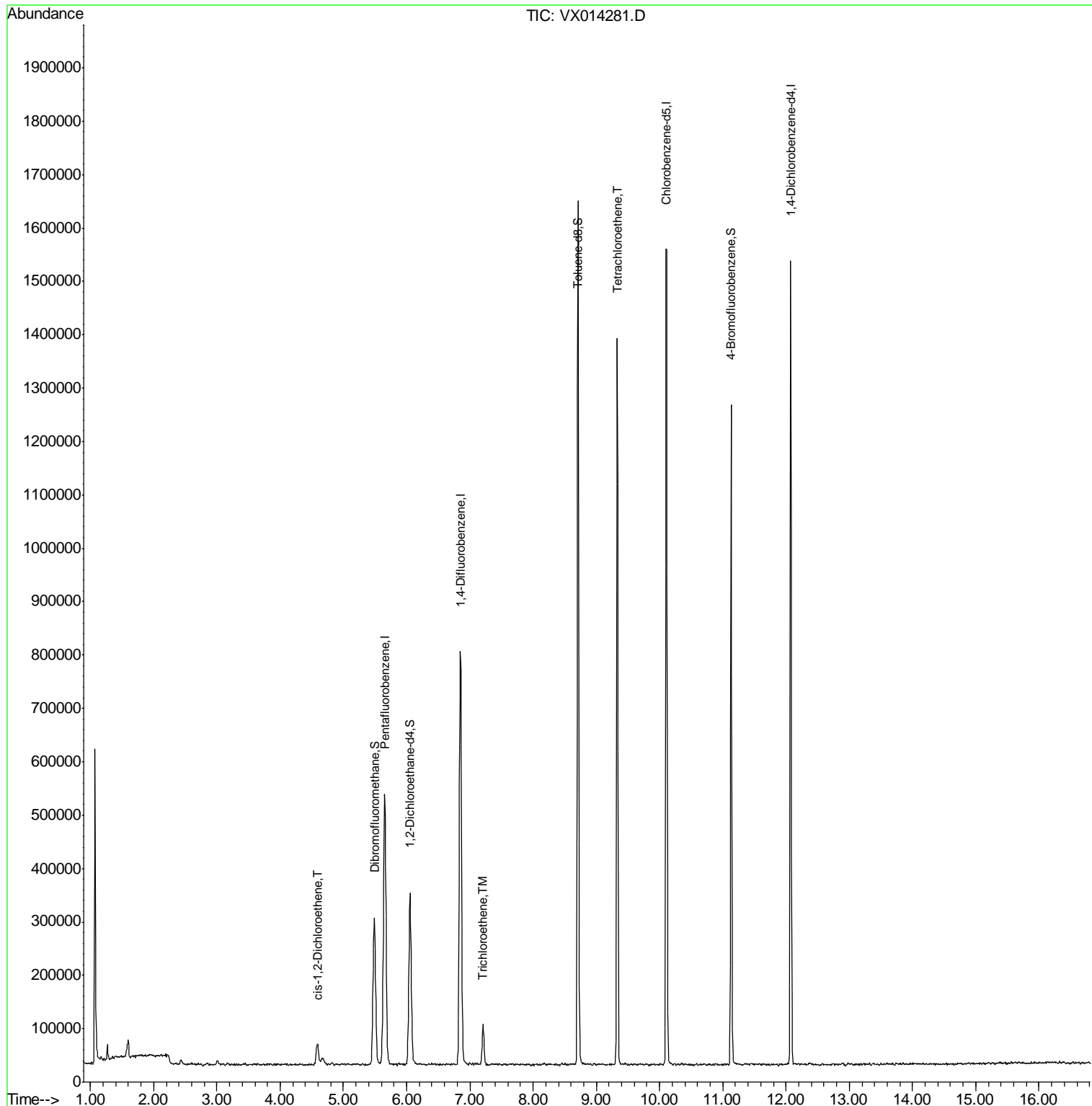
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	525064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	807481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	734095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	319659	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	294060	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	5.49	113	240899	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	8.71	98	970563	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.14	95	323745	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
Target Compounds						
27) cis-1,2-Dichloroethene	4.59	96	25576	4.064	ug/l	93
44) Trichloroethene	7.21	130	30352	4.820	ug/l	96
64) Tetrachloroethene	9.33	164	267655	41.204	ug/l	99

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

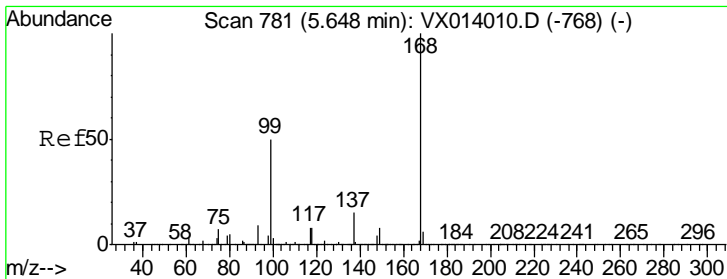
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014281.D
 Acq On : 26 Dec 2019 19:50
 Operator : JC/SP
 Sample : K6405-01DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 991-MW-01-(23)DL

Quant Time: Dec 27 07:26:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



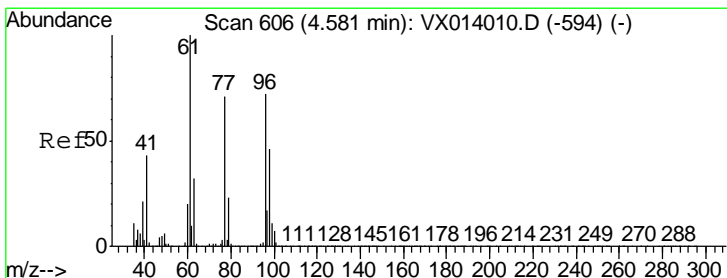
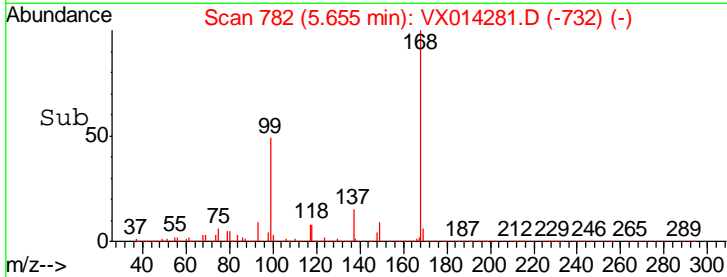
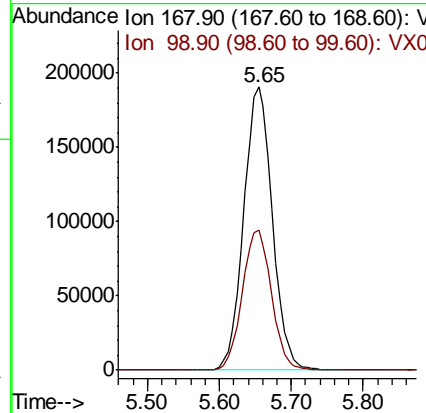
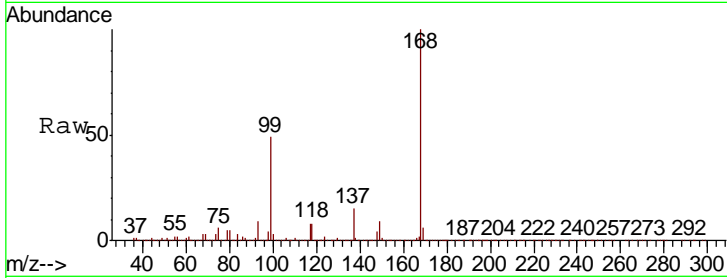
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

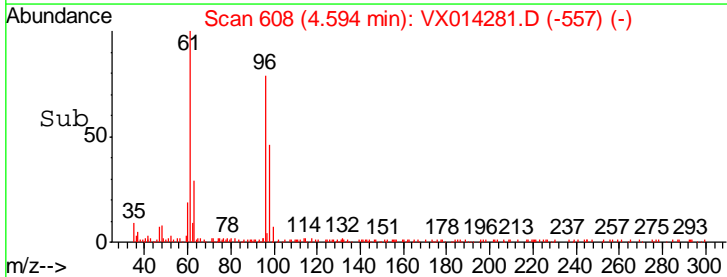
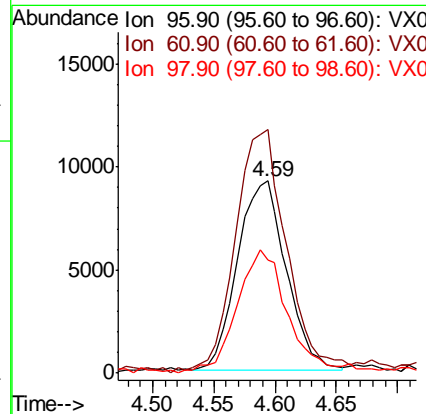
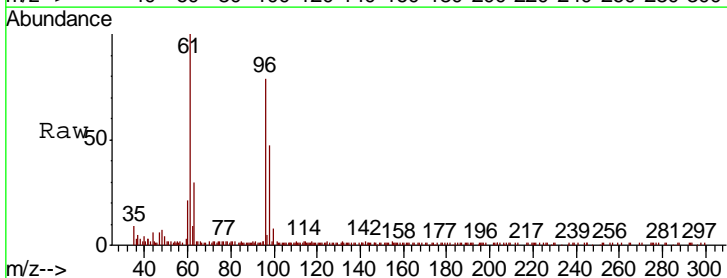
Instrument : MSVOA_X
 ClientSampled : 991-MW-01-(23)DL

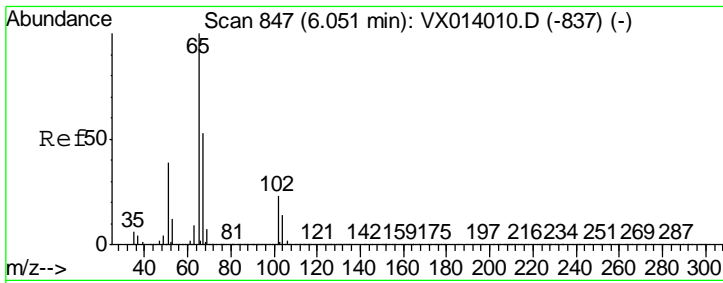
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.2	40.3	60.5



#27
 cis-1,2-Dichloroethene
 Concen: 4.064 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

Tgt Ion	Resp	Lower	Upper
96	100		
61	135.0	0.0	288.4
98	69.1	0.0	129.6

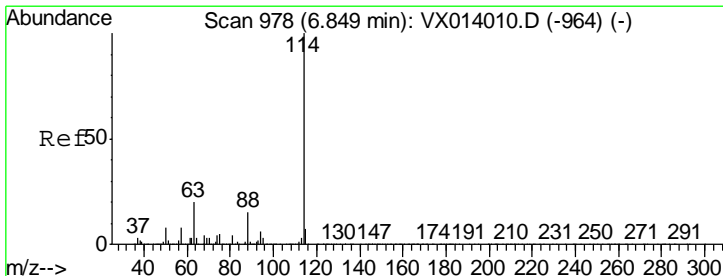
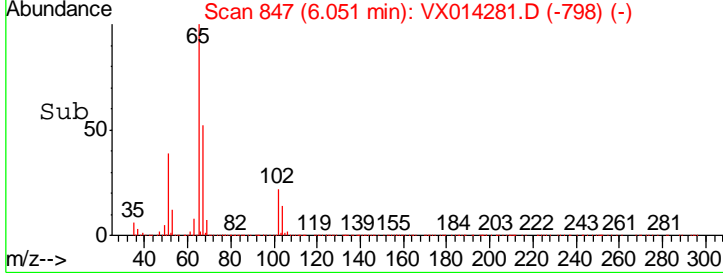
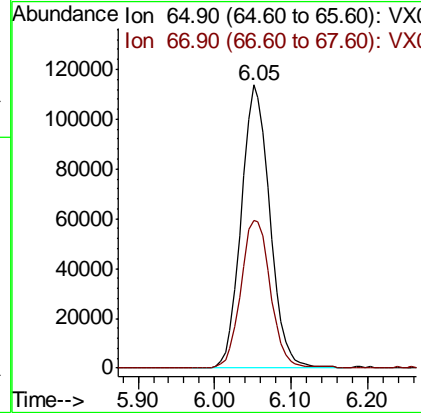
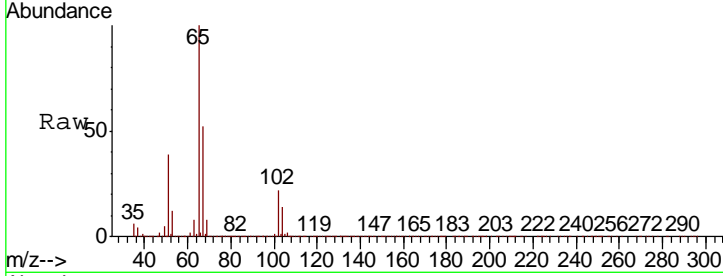




#33
 1,2-Dichloroethane-d4
 Concen: 49.415 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

Instrument : MSVOA_X
 ClientSampled : 991-MW-01-(23)DL

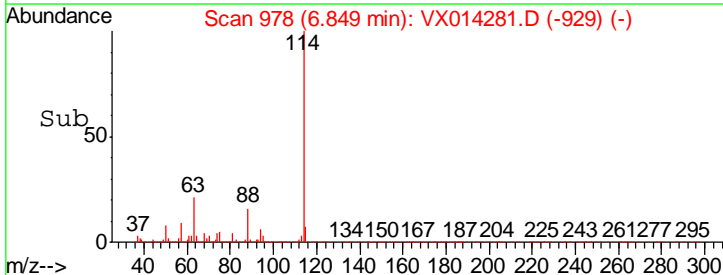
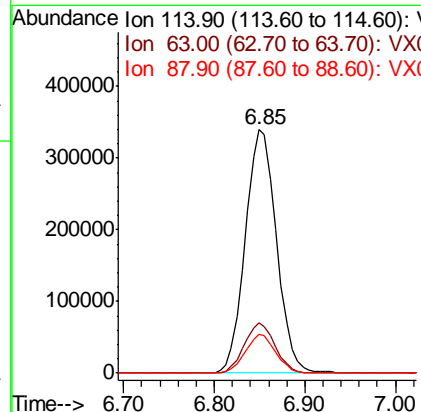
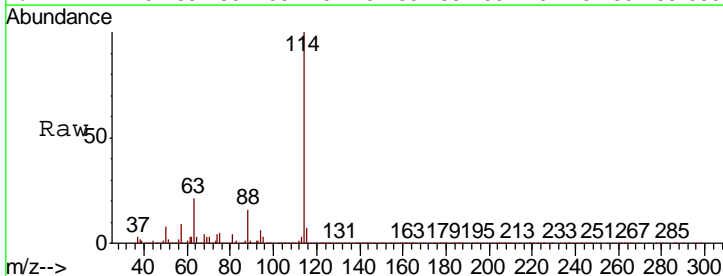
Tgt Ion	Resp	Lower	Upper
65	294060		
67	53.6	0.0	106.4

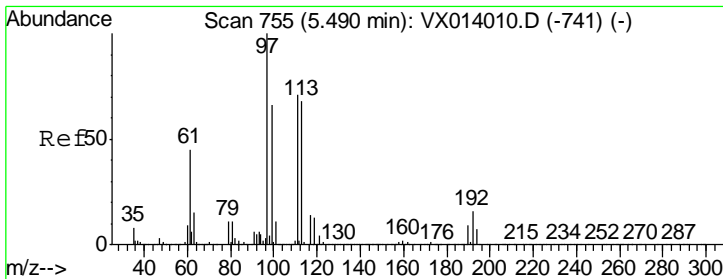


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

Instrument : MSVOA_X
 ClientSampled : 991-MW-01-(23)DL

Tgt Ion	Resp	Lower	Upper
114	807481		
63	20.7	0.0	40.8
88	15.9	0.0	30.4

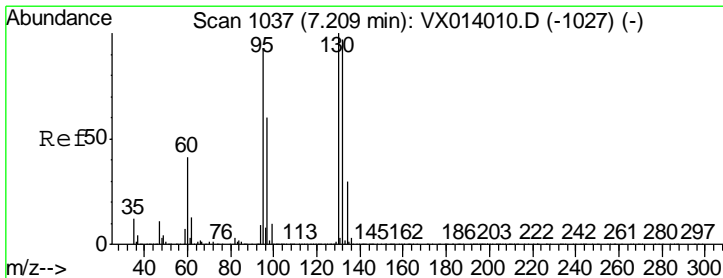
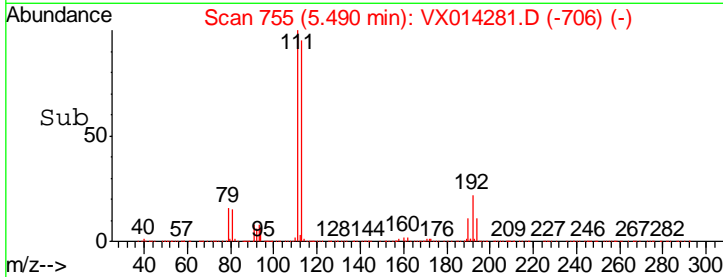
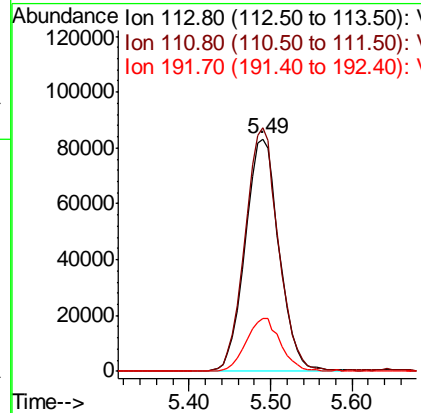
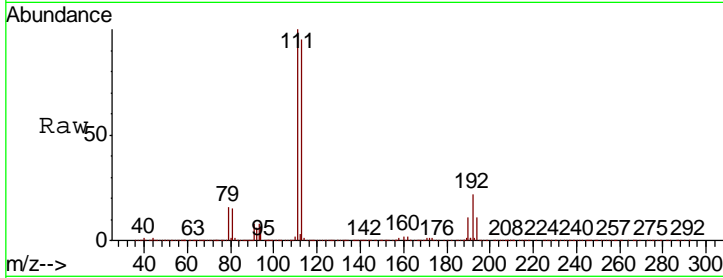




#35
 Dibromofluoromethane
 Concen: 49.077 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

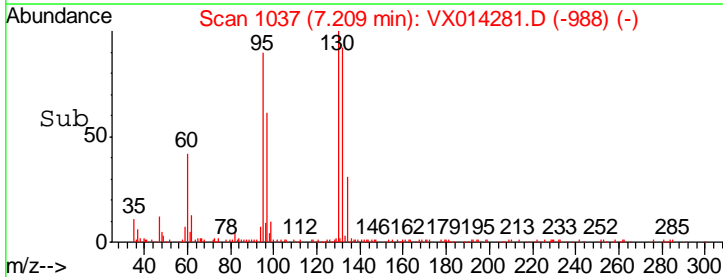
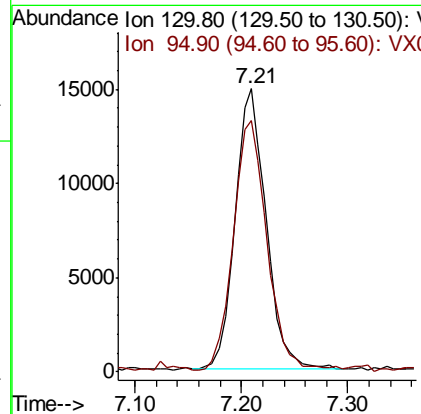
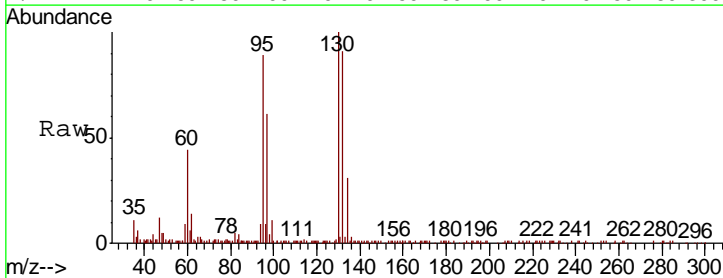
Instrument : MSVOA_X
 ClientSampleId : 991-MW-01-(23)DL

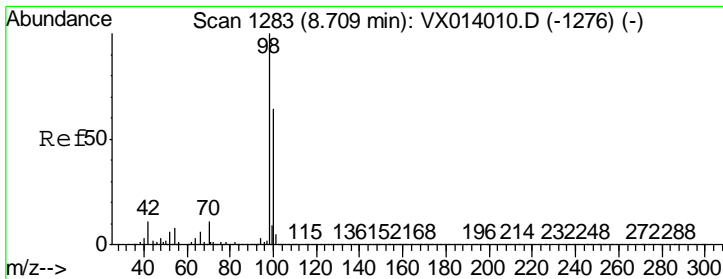
Tgt Ion	Resp	Lower	Upper
113	240899		
111	102.6	82.0	123.0
192	23.3	19.3	28.9



#44
 Trichloroethene
 Concen: 4.820 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

Tgt Ion	Resp	Lower	Upper
130	30352		
95	89.2	0.0	185.6

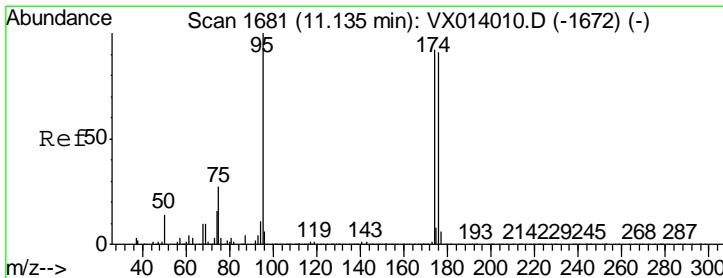
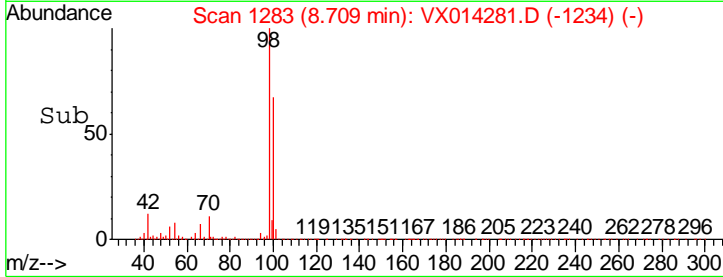
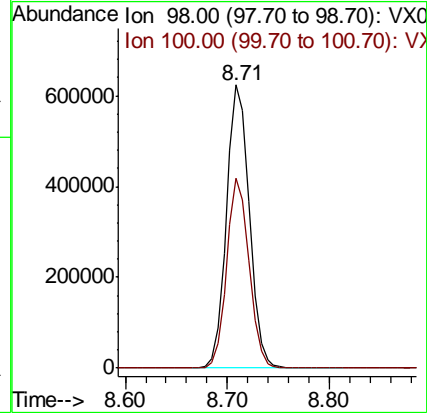
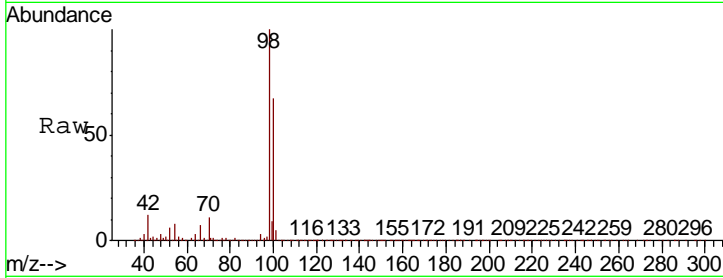




#50
 Toluene-d8
 Concen: 50.787 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

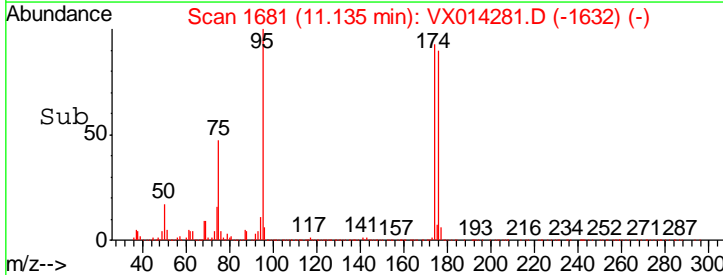
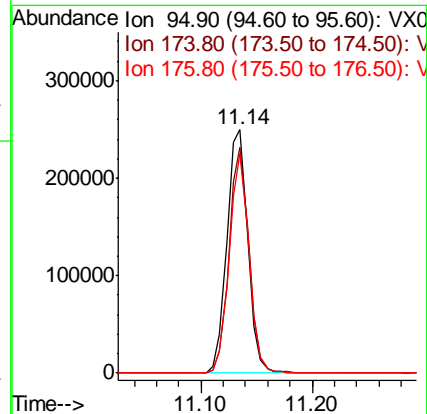
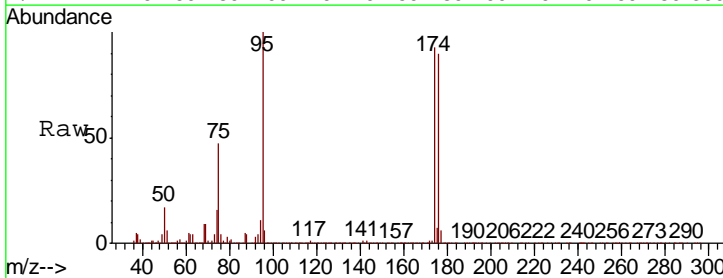
Instrument : MSVOA_X
 ClientSampled : 991-MW-01-(23)DL

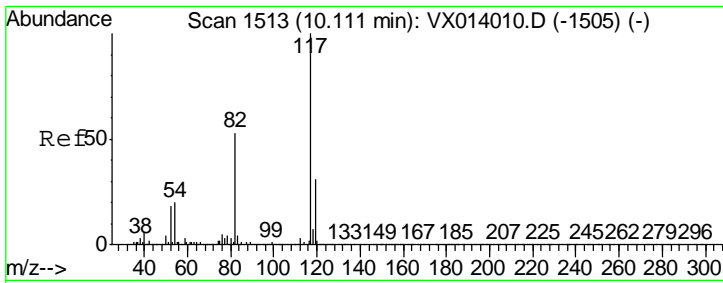
Tgt Ion	Resp	Lower	Upper
98	970563		
100	65.6	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 46.344 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

Tgt Ion	Resp	Lower	Upper
95	323745		
174	88.3	0.0	175.8
176	85.3	0.0	173.0

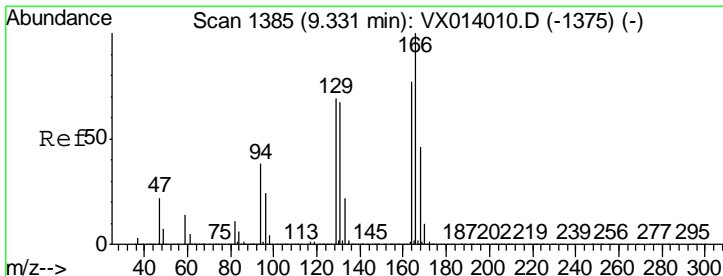
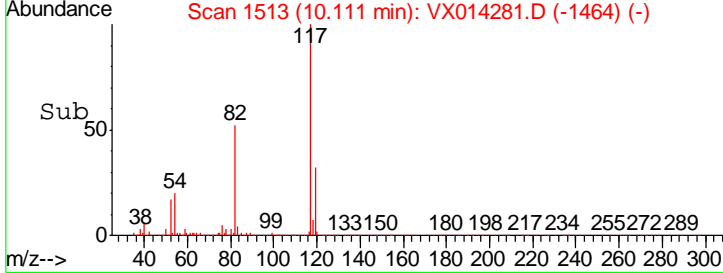
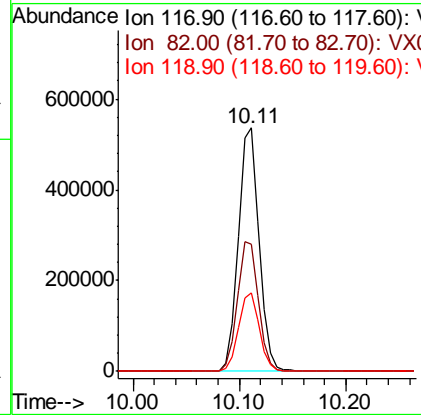
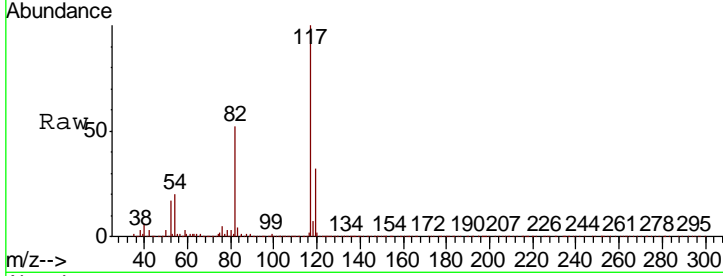




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

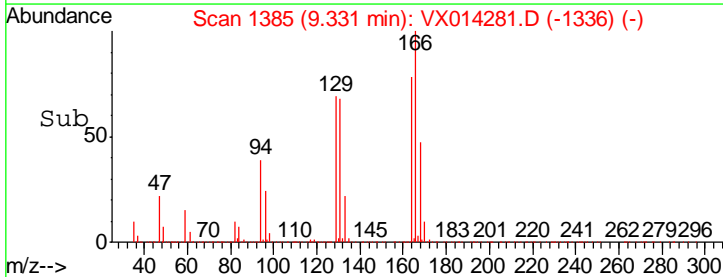
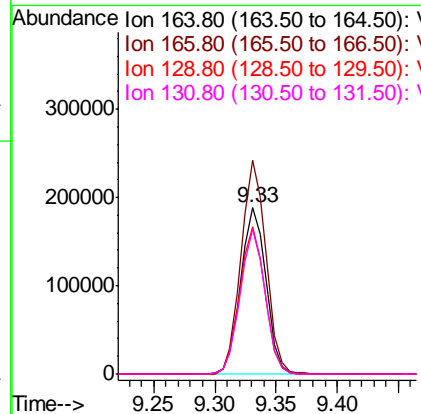
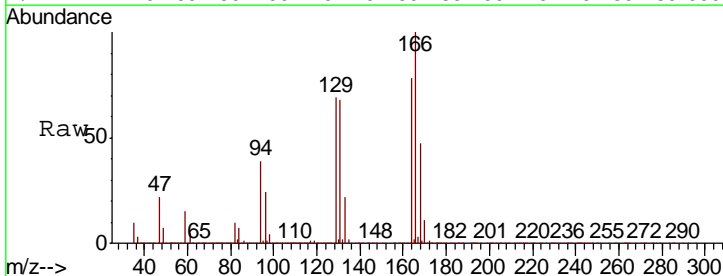
Instrument : MSVOA_X
 ClientSampled : 991-MW-01-(23)DL

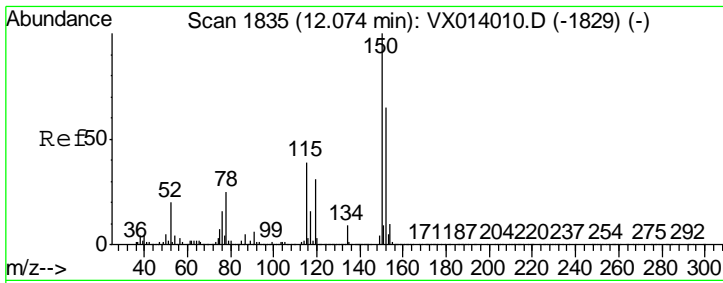
Tgt Ion	Resp	Lower	Upper
117	734095		
82	52.0	42.2	63.4
119	32.1	25.1	37.7



#64
 Tetrachloroethene
 Concen: 41.204 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

Tgt Ion	Resp	Lower	Upper
164	267655		
166	128.5	104.0	156.0
129	88.7	72.2	108.4
131	87.4	69.6	104.4

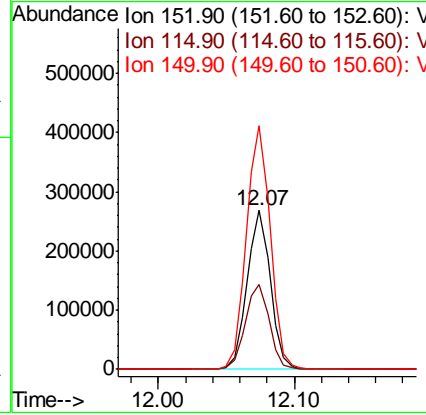
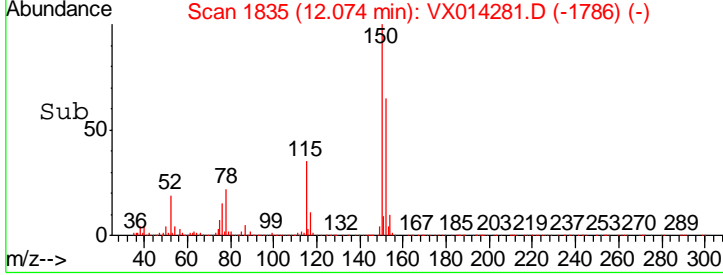
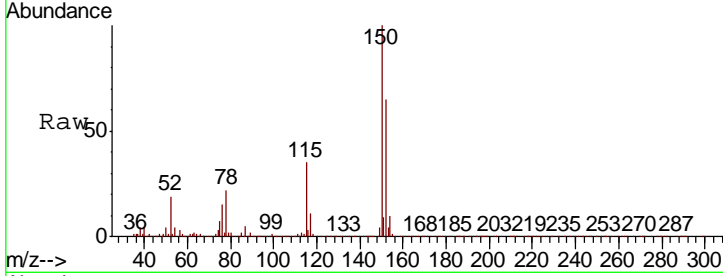




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014281.D
 Acq: 26 Dec 2019 19:50

Instrument : MSVOA_X
 ClientSampled : 991-MW-01-(23)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	54.9	38.3	114.9
150	157.5	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014271.D
 Acq On : 26 Dec 2019 15:58
 Operator : JC/SP
 Sample : K6405-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 992-MW-02-(23.8)

Quant Time: Dec 27 07:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	541143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	834985	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	744345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	328519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	297402	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	5.49	113	245585	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	8.71	98	990079	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	328897	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

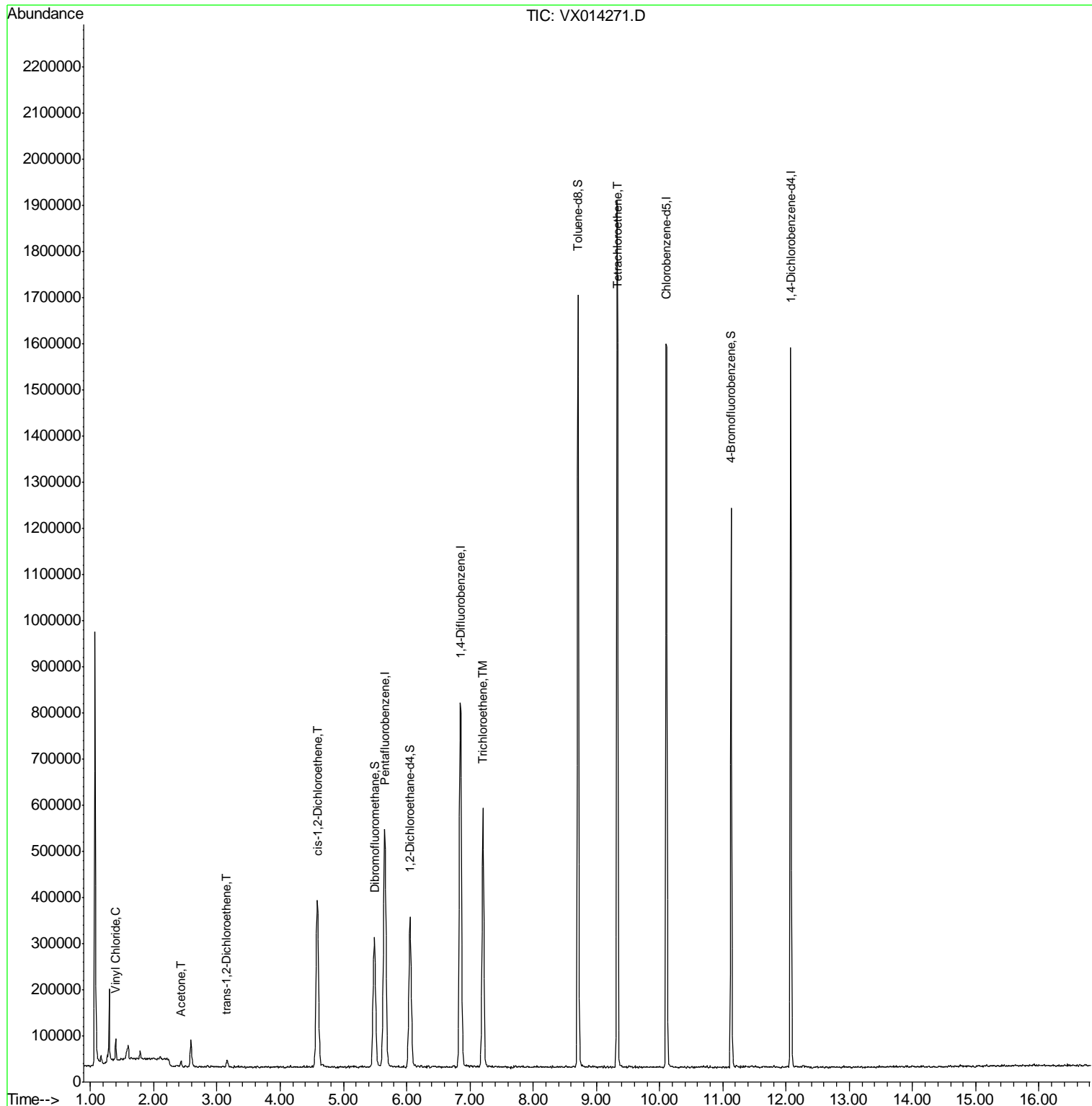
					Qvalue
4) Vinyl Chloride	1.40	62	11063	1.614	ug/l 94
16) Acetone	2.43	43	12865	3.231	ug/l 95
21) trans-1,2-Dichloroethene	3.15	96	7077	1.234	ug/l 90
27) cis-1,2-Dichloroethene	4.59	96	233473	35.998	ug/l 90
44) Trichloroethene	7.21	130	223324	34.299	ug/l 100
64) Tetrachloroethene	9.33	164	378988	57.540	ug/l 97

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

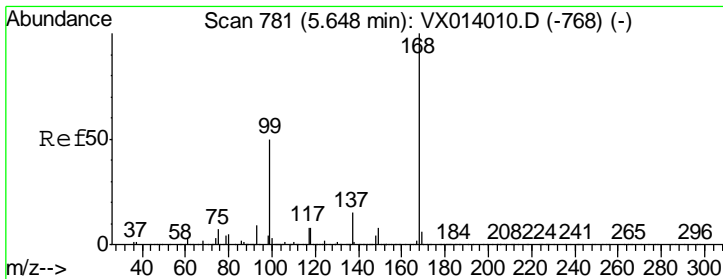
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 Data File : VX014271.D
 Acq On : 26 Dec 2019 15:58
 Operator : JC/SP
 Sample : K6405-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 992-MW-02-(23.8)

Quant Time: Dec 27 07:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



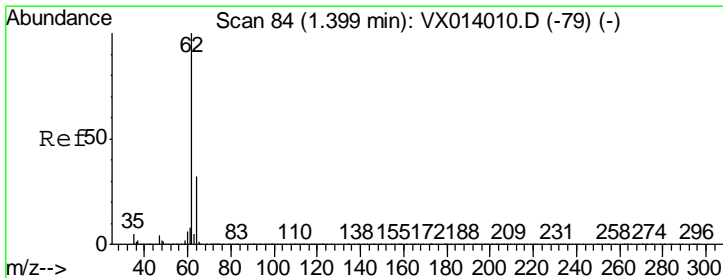
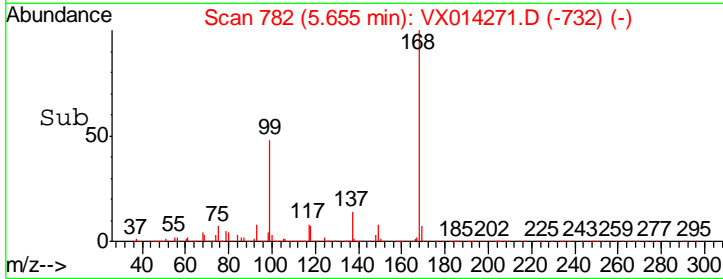
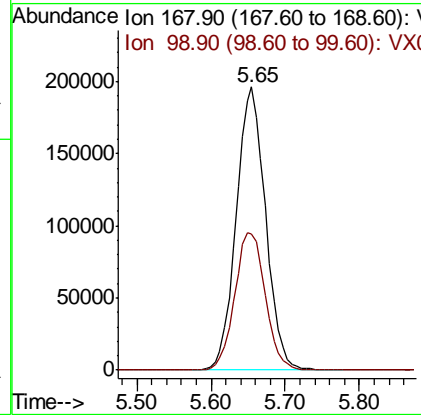
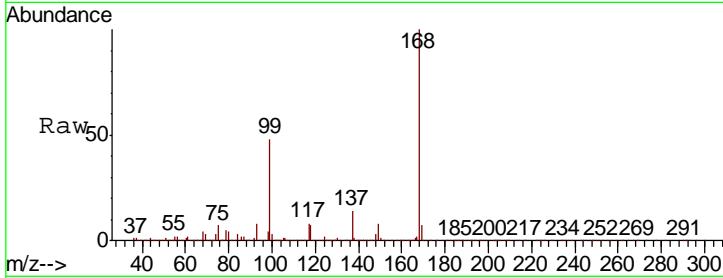
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- 16



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

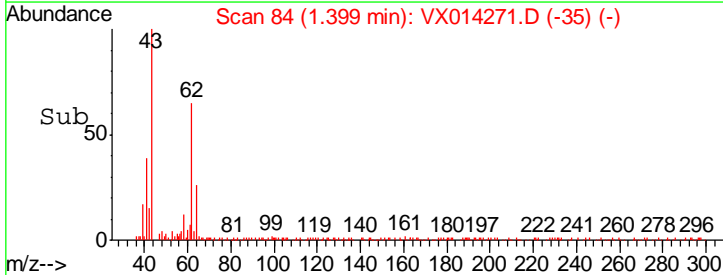
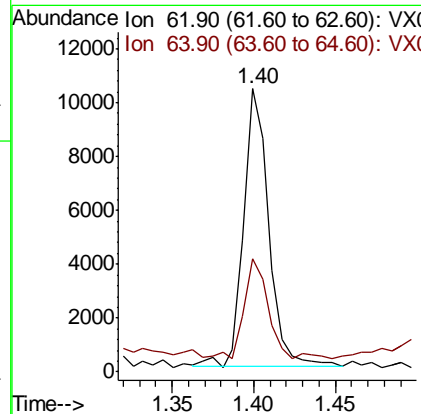
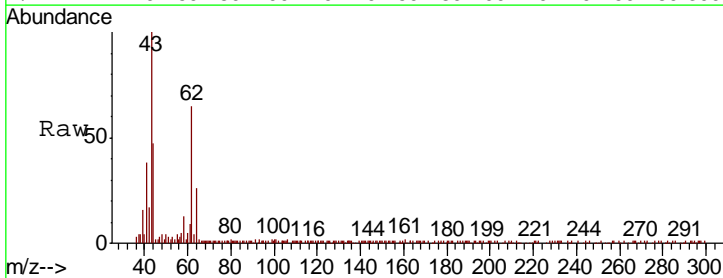
Instrument : MSVOA_X
 ClientSampled : 992-MW-02-(23.8)

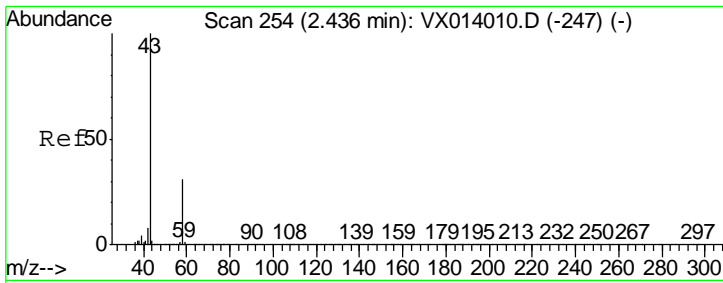
Tgt Ion	Resp	Lower	Upper
168	541143		
99	48.0	40.3	60.5



#4
 Vinyl Chloride
 Concen: 1.614 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

Tgt Ion	Resp	Lower	Upper
62	11063		
64	35.3	25.7	38.5

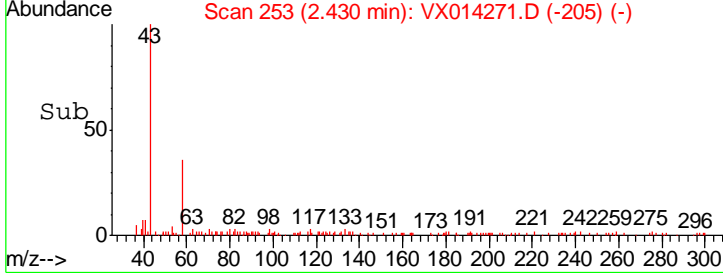
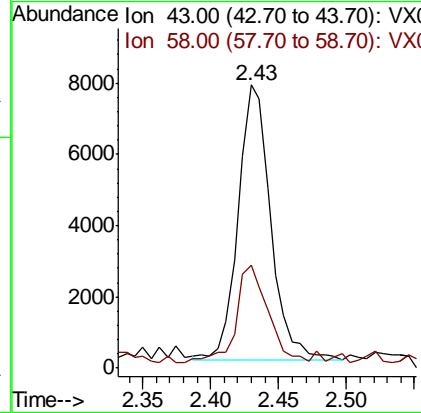
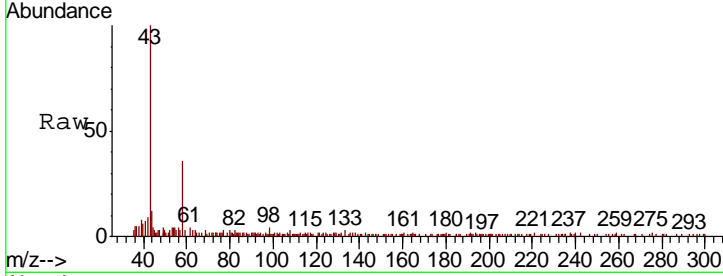




#16
 Acetone
 Concen: 3.231 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

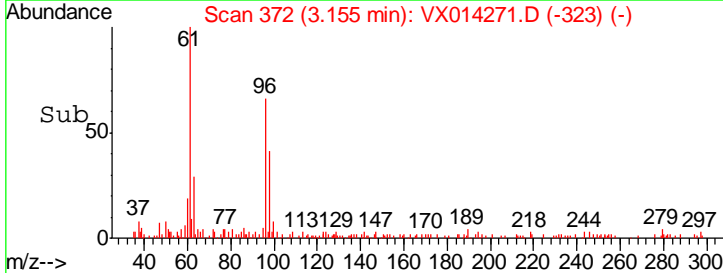
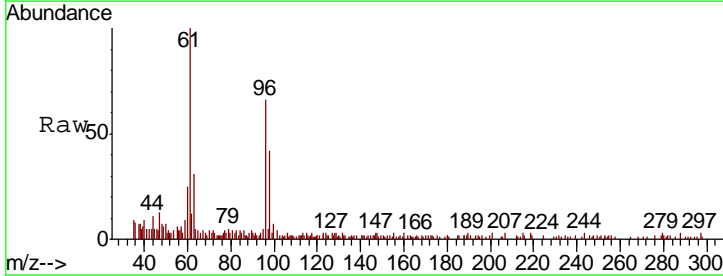
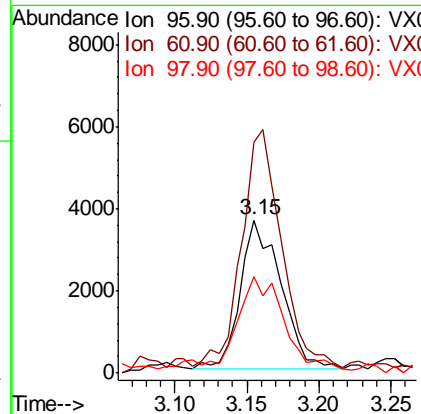
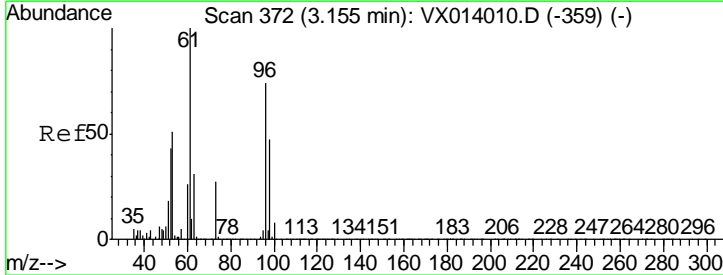
Instrument : MSVOA_X
 ClientSampleId : 992-MW-02-(23.8)

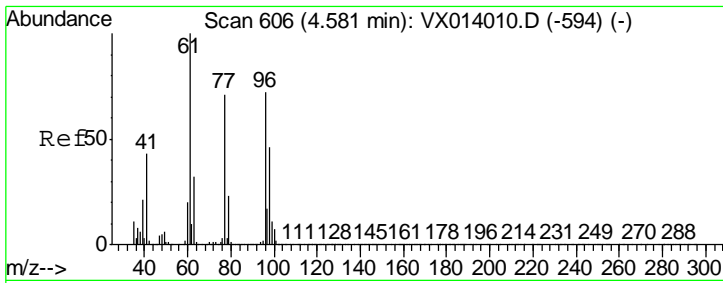
Tgt Ion	Resp	Lower	Upper
43	12865		
58	33.9	24.9	37.3



#21
 trans-1,2-Dichloroethene
 Concen: 1.234 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

Tgt Ion	Resp	Lower	Upper
96	7077		
61	151.6	108.3	162.5
98	61.7	50.8	76.2

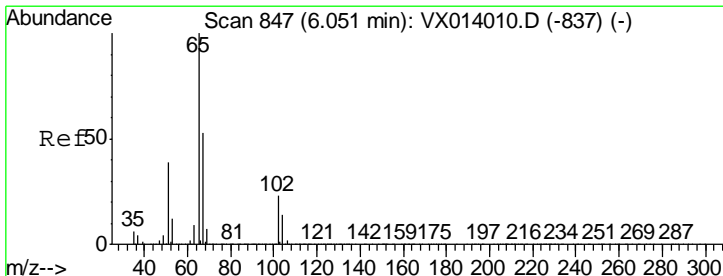
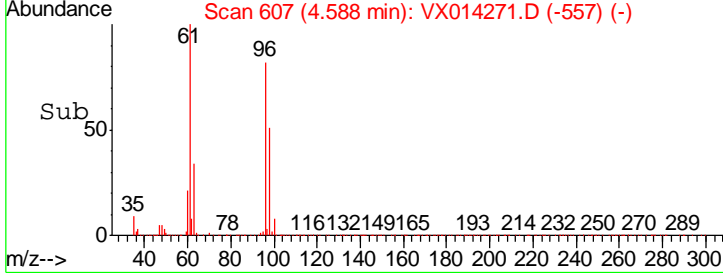
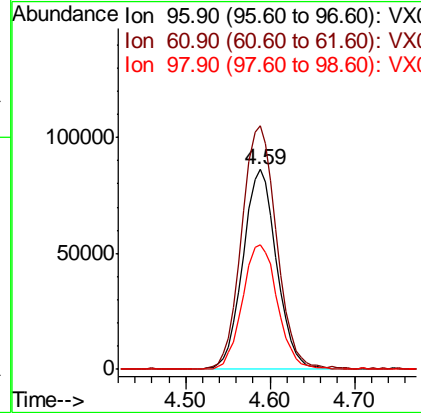
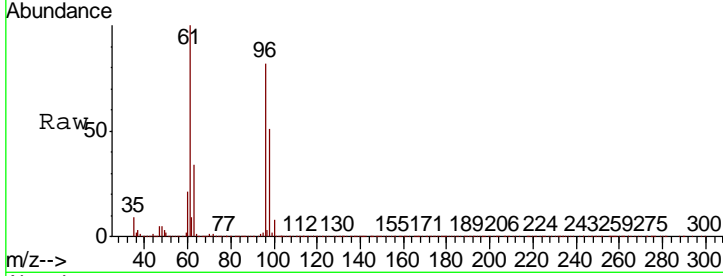




#27
 cis-1,2-Dichloroethene
 Concen: 35.998 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

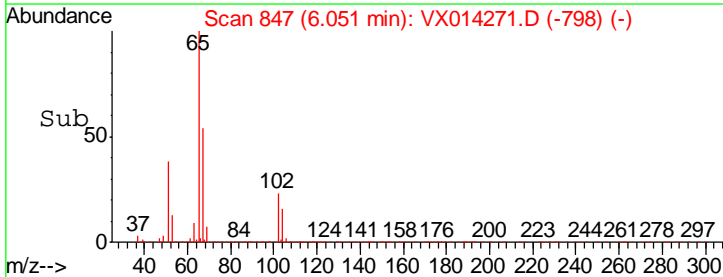
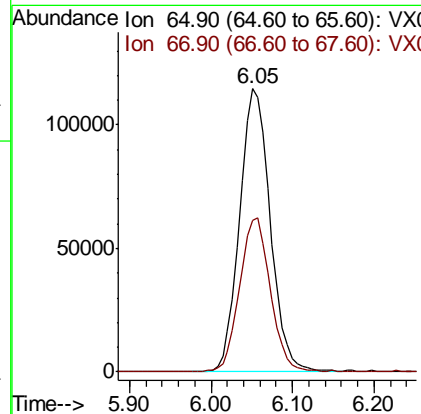
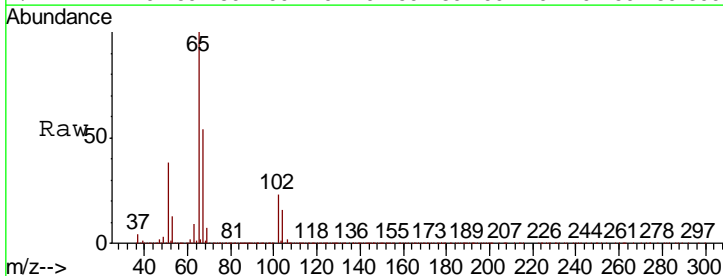
Instrument : MSVOA_X
 ClientSampled : 992-MW-02-(23.8)

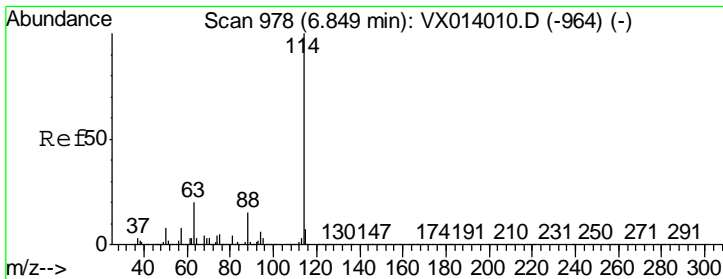
Tgt Ion	Resp	Lower	Upper
96	233473		
61	125.8	0.0	288.4
98	64.4	0.0	129.6



#33
 1,2-Dichloroethane-d4
 Concen: 48.491 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

Tgt Ion	Resp	Lower	Upper
65	297402		
67	54.8	0.0	106.4

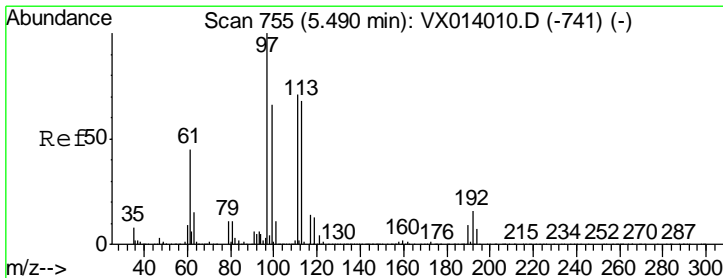
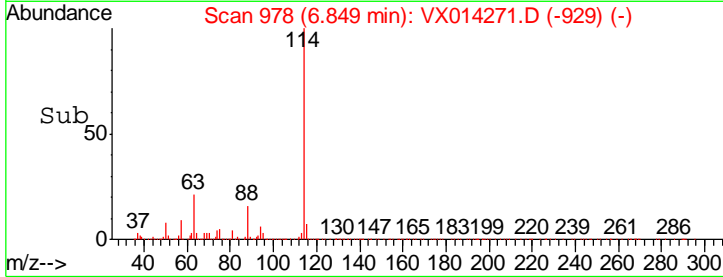
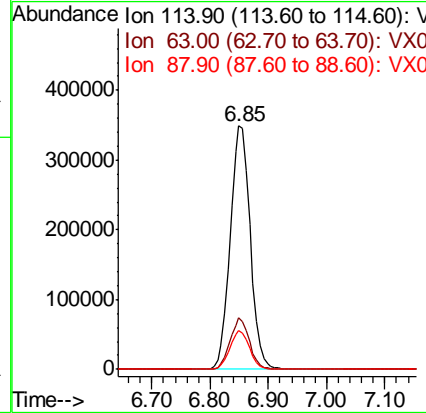
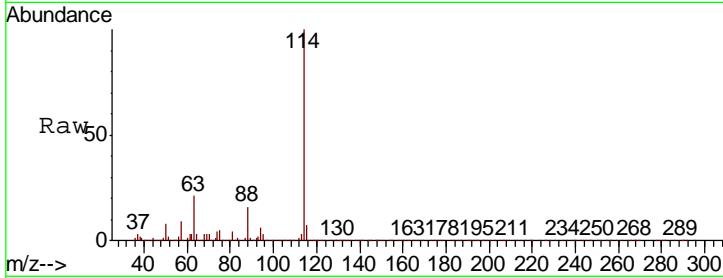




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

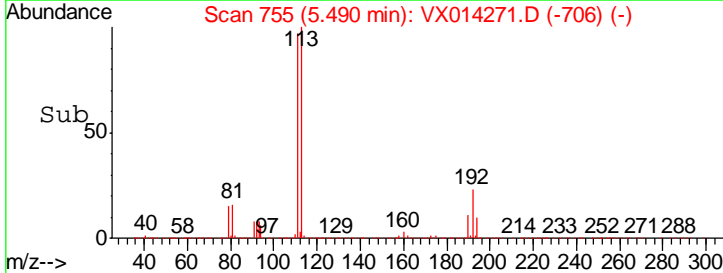
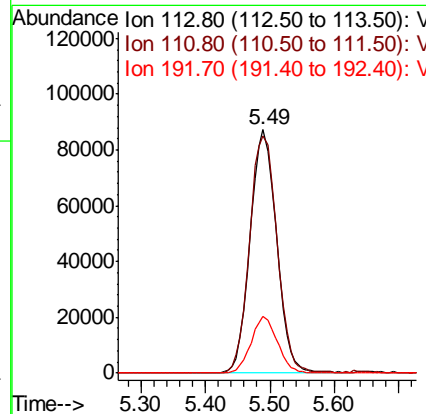
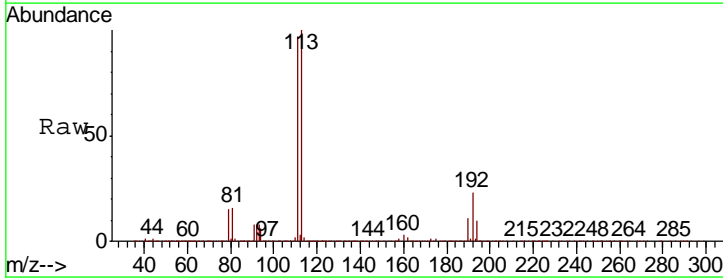
Instrument :
 MSVOA_X
 ClientSampleId :
 992-MW-02-(23.8)

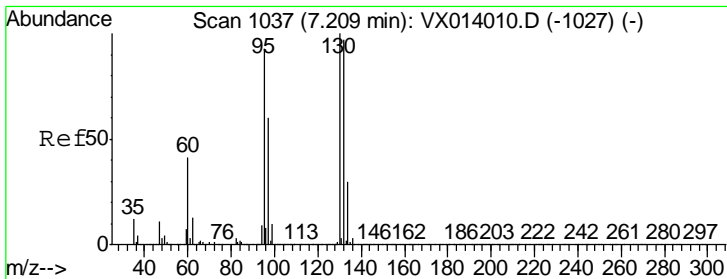
Tgt Ion	Resp	Lower	Upper
114	834985		
63	20.9	0.0	40.8
88	16.1	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 48.384 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

Tgt Ion	Resp	Lower	Upper
113	245585		
111	100.7	82.0	123.0
192	23.2	19.3	28.9



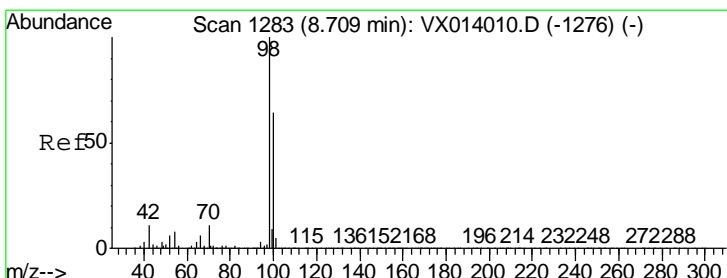
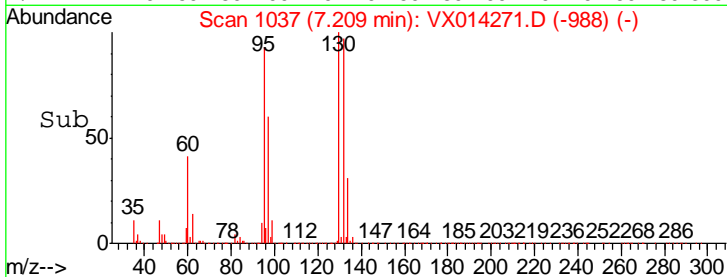
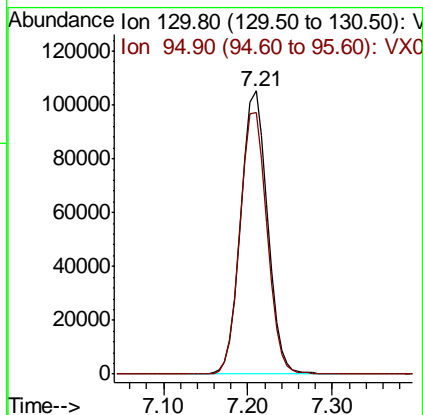
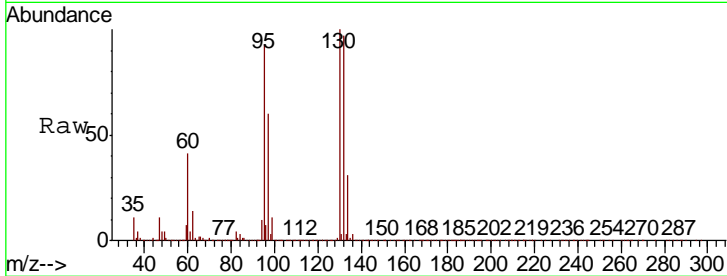


#44

Trichloroethene
 Concen: 34.299 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 992-MW-02-(23.8)

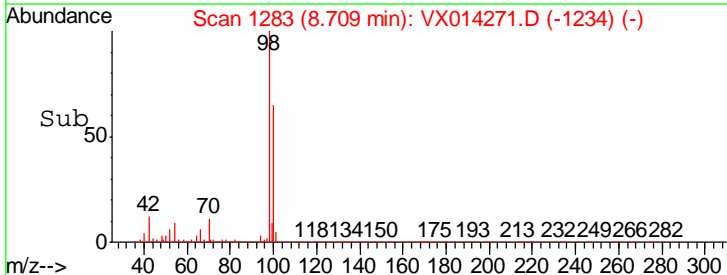
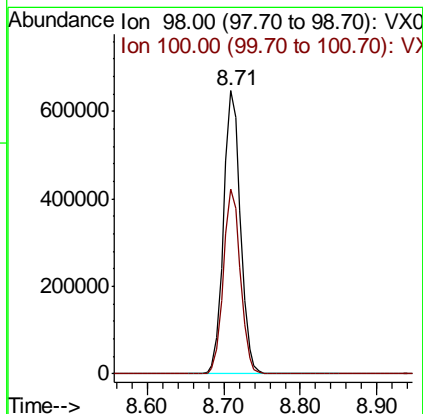
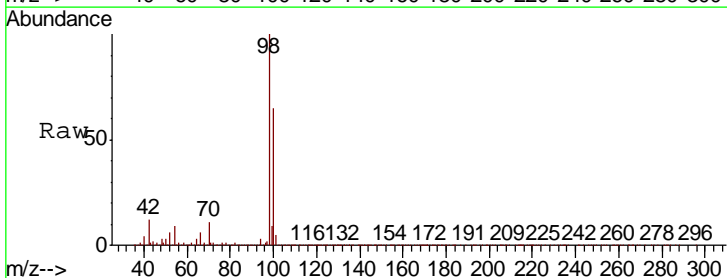
Tgt Ion	Resp	Lower	Upper
130	223324		
95	92.5	0.0	185.6

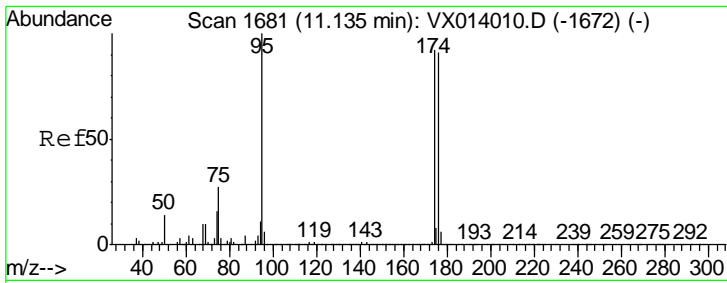


#50

Toluene-d8
 Concen: 50.102 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

Tgt Ion	Resp	Lower	Upper
98	990079		
100	65.7	52.9	79.3

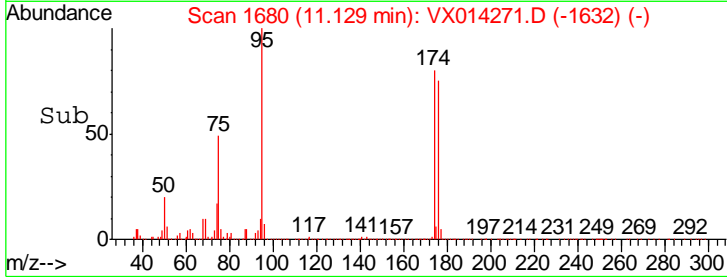
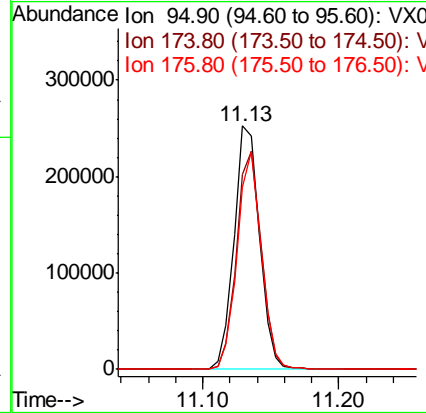
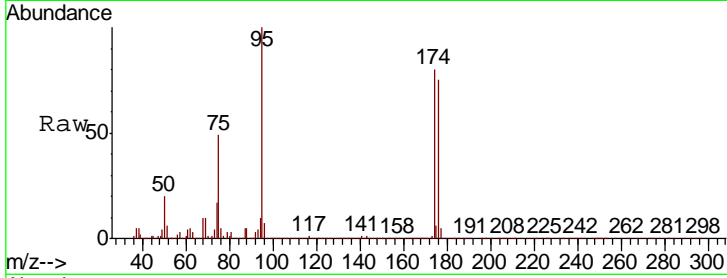




#62
 4-Bromofluorobenzene
 Concen: 45.531 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

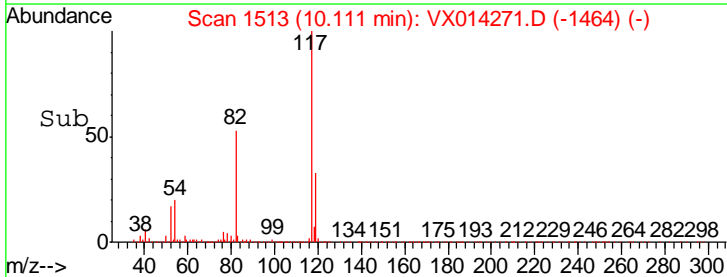
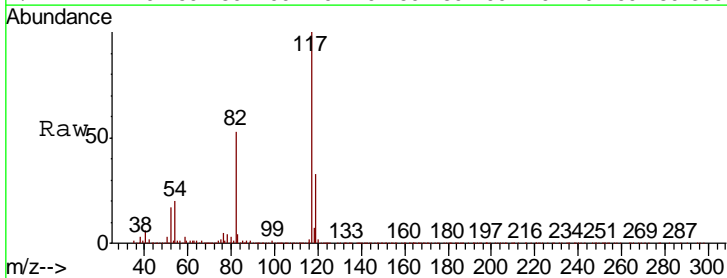
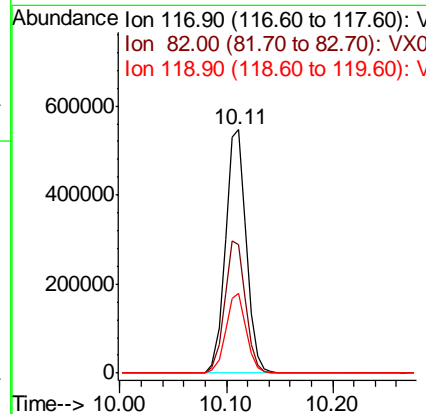
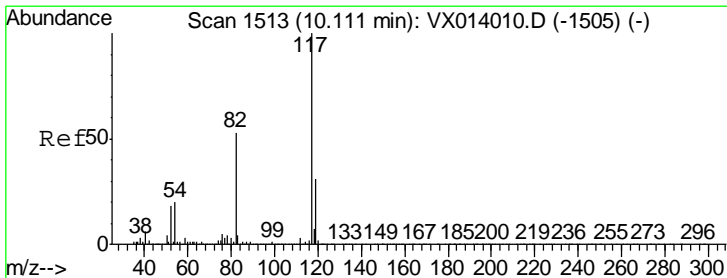
Instrument : MSVOA_X
 Client Sampled : 992-MW-02-(23.8)

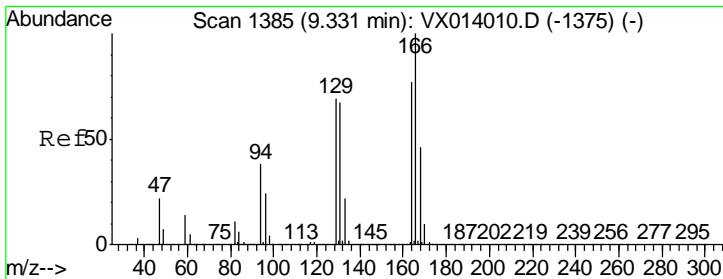
Tgt Ion	Resp	Lower	Upper
95	100		
174	88.3	0.0	175.8
176	85.0	0.0	173.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

Tgt Ion	Resp	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	32.5	25.1	37.7

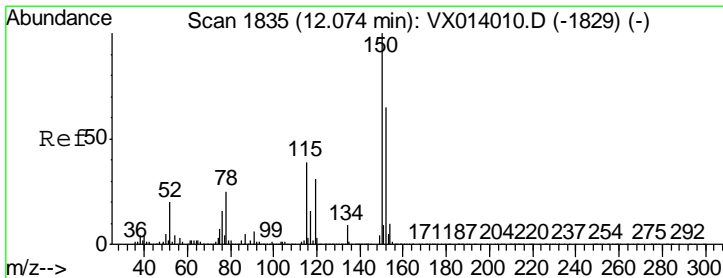
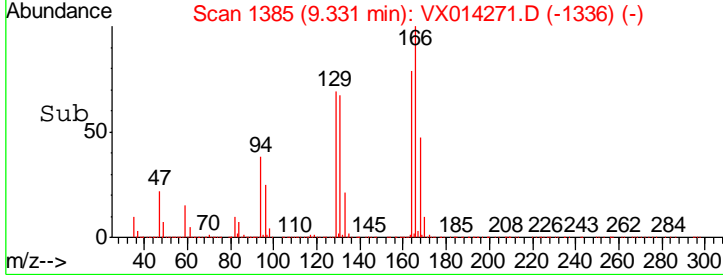
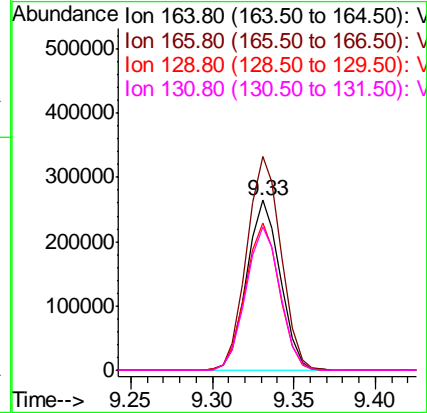
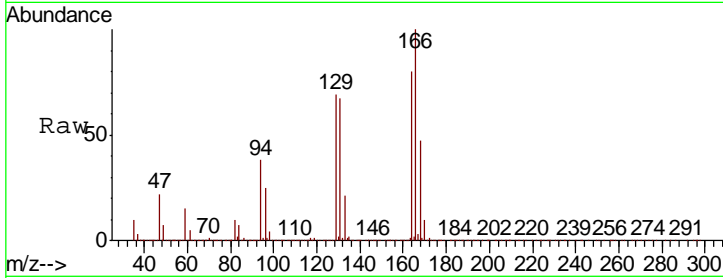




#64
 Tetrachloroethene
 Concen: 57.540 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

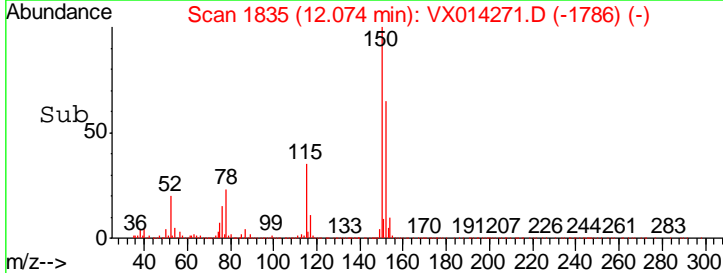
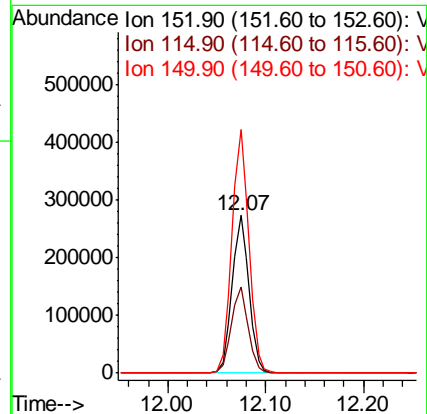
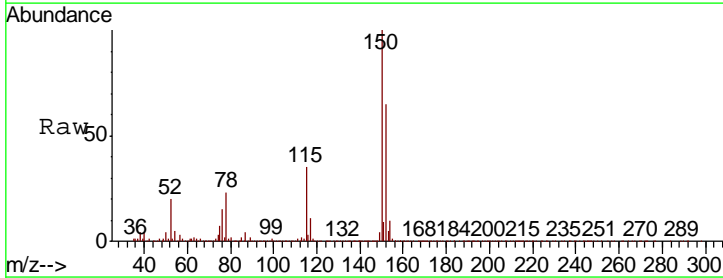
Instrument : MSVOA_X
 Client Sampled : 992-MW-02-(23.8)

Tgt Ion	Resp	Lower	Upper
164	100		
166	125.7	104.0	156.0
129	86.9	72.2	108.4
131	84.5	69.6	104.4



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014271.D
 Acq: 26 Dec 2019 15:58

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.3	38.3	114.9
150	154.7	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014271.D
 Acq On : 26 Dec 2019 15:58
 Operator : JC/SP
 Sample : K6405-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 992-MW-02-(23.8)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	41	rBV	938895	1159535	42.13%	5.875%
2	1.296	64	67	73	rVB	156057	156002	5.67%	0.790%
3	1.399	81	84	90	rVB	46695	43521	1.58%	0.221%
4	1.600	109	117	120	rVB10	31263	67898	2.47%	0.344%
5	2.588	271	279	286	rBV	60251	114732	4.17%	0.581%
6	3.155	368	372	379	rVB2	17061	34218	1.24%	0.173%
7	4.588	596	607	617	rBV	361211	975928	35.46%	4.945%
8	5.490	744	755	769	rBV	279566	786350	28.57%	3.984%
9	5.655	770	782	796	rVB	514396	1447200	52.59%	7.333%
10	6.057	837	848	860	rBV	326664	866022	31.47%	4.388%
11	6.849	967	978	991	rBV	790332	1874017	68.09%	9.495%
12	7.209	1027	1037	1050	rBV	562403	1198649	43.55%	6.073%
13	8.709	1276	1283	1293	rBV	1674406	2573034	93.49%	13.037%
14	9.331	1378	1385	1393	rBV	1878861	2752110	100.00%	13.945%
15	10.105	1506	1512	1523	rBV	1568666	2171115	78.89%	11.001%
16	11.135	1675	1681	1691	rBV	1214105	1615438	58.70%	8.185%
17	12.074	1829	1835	1841	rBV	1561019	1900134	69.04%	9.628%

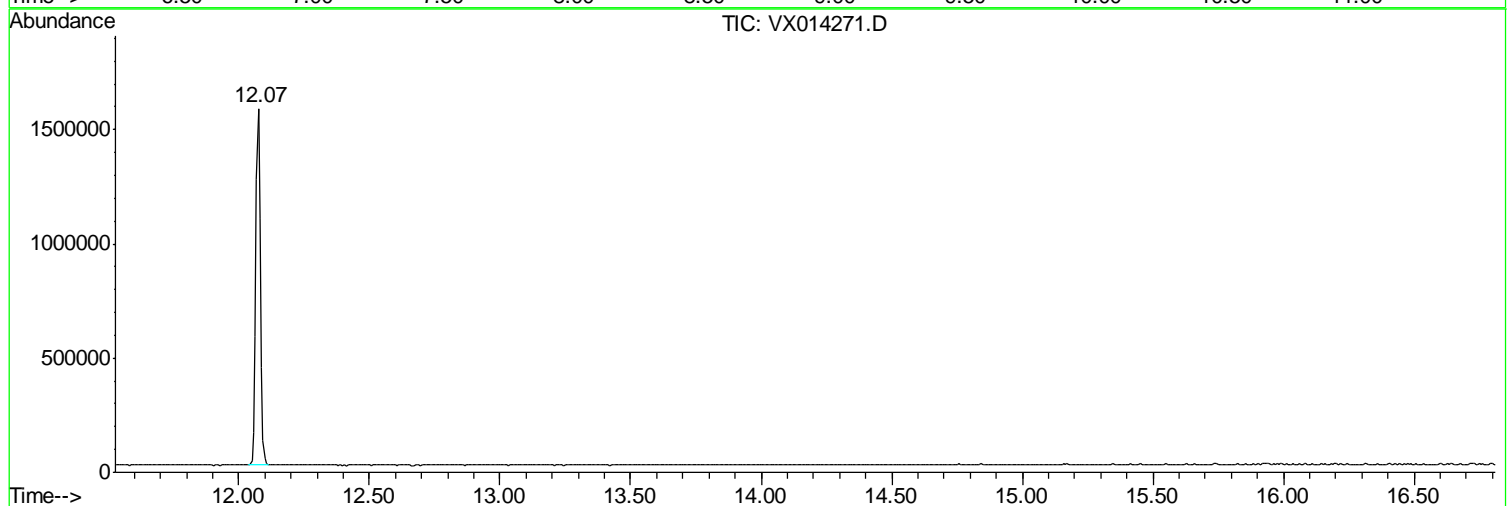
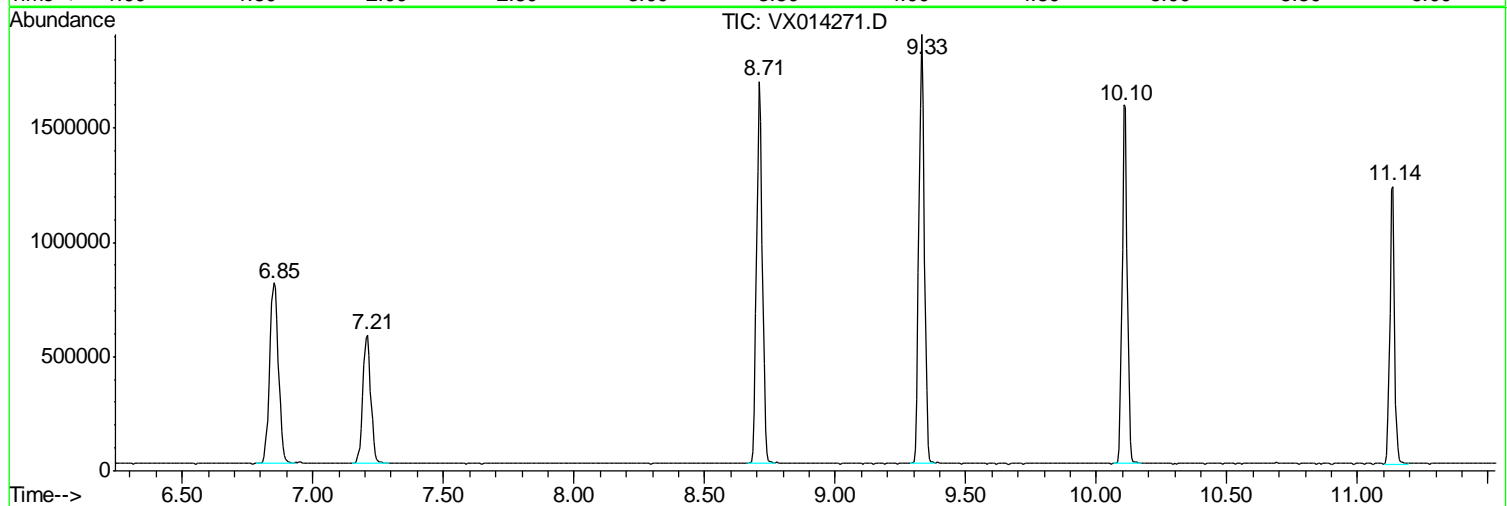
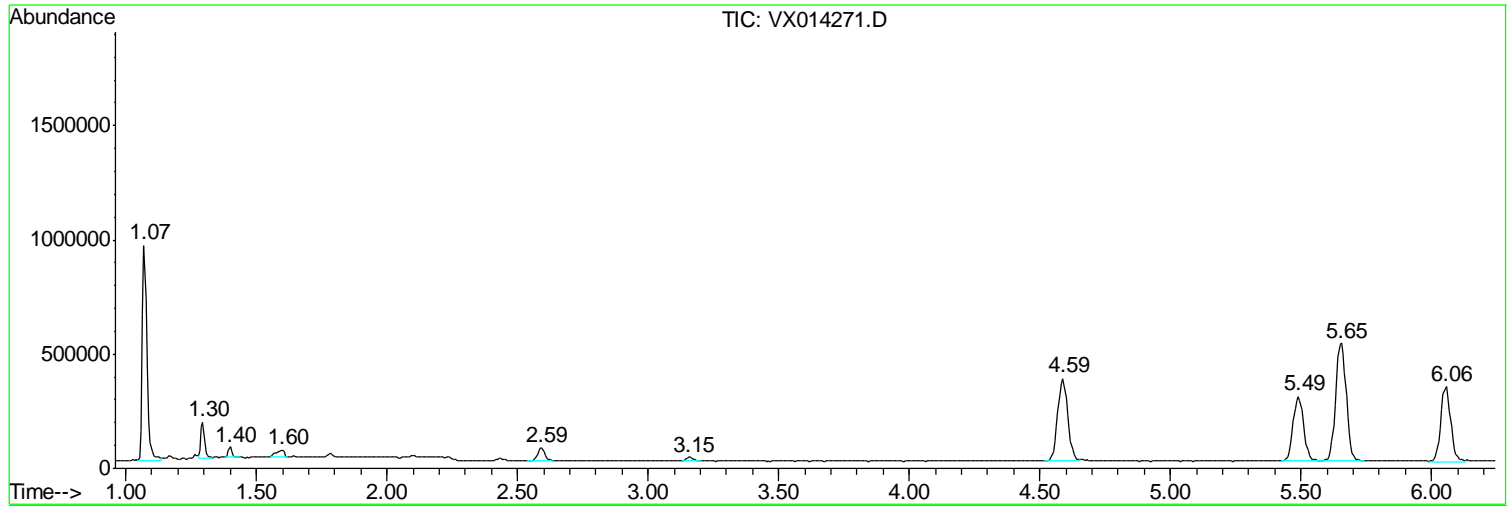
Sum of corrected areas: 19735903

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
Data File : VX014271.D
Acq On : 26 Dec 2019 15:58
Operator : JC/SP
Sample : K6405-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
992-MW-02-(23.8)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014271.D
 Acq On : 26 Dec 2019 15:58
 Operator : JC/SP
 Sample : K6405-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 992-MW-02-(23.8)

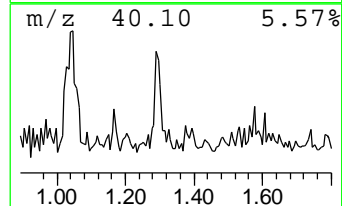
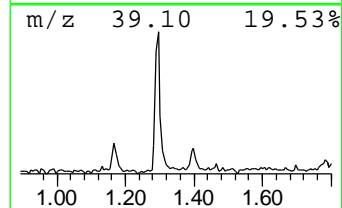
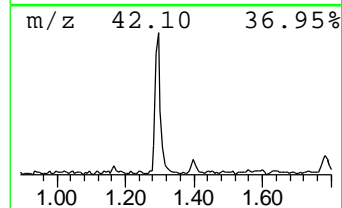
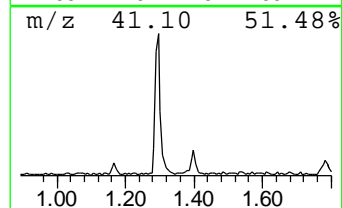
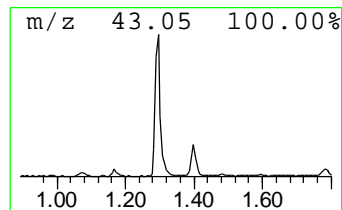
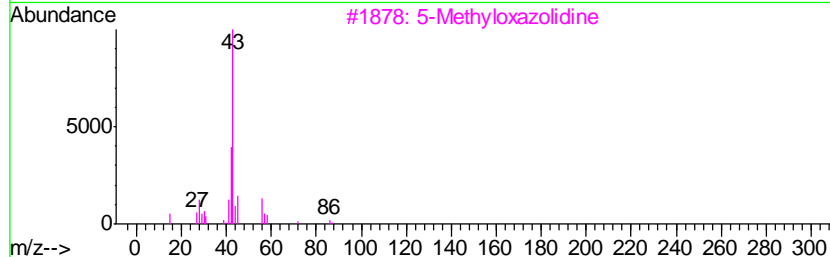
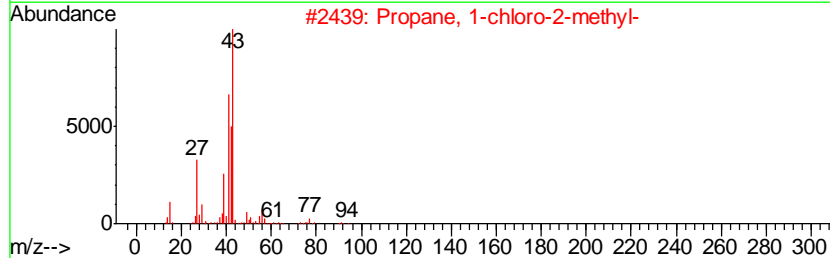
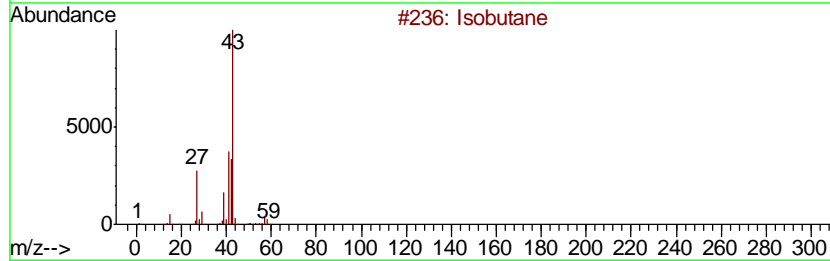
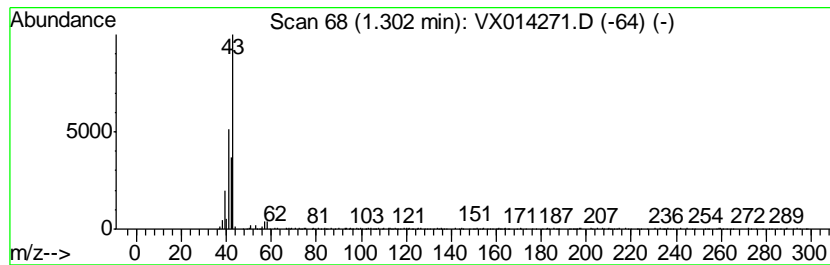
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

 Peak Number 2 Isobutane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	5.39 ug/l	156002	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isobutane	58	C4H10	000075-28-5	80
2		Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	50
3		5-Methyloxazolidine	87	C4H9NO	058328-22-6	9
4		Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	9
5		Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014271.D
 Acq On : 26 Dec 2019 15:58
 Operator : JC/SP
 Sample : K6405-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 992-MW-02-(23.8)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Isobutane	1.30	5.4	ug/l	156002	1	5.65	1447200	50.0

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014249.D
 Acq On : 24 Dec 2019 16:48
 Operator : JC/SP
 Sample : K6405-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)

Quant Time: Dec 25 07:43:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

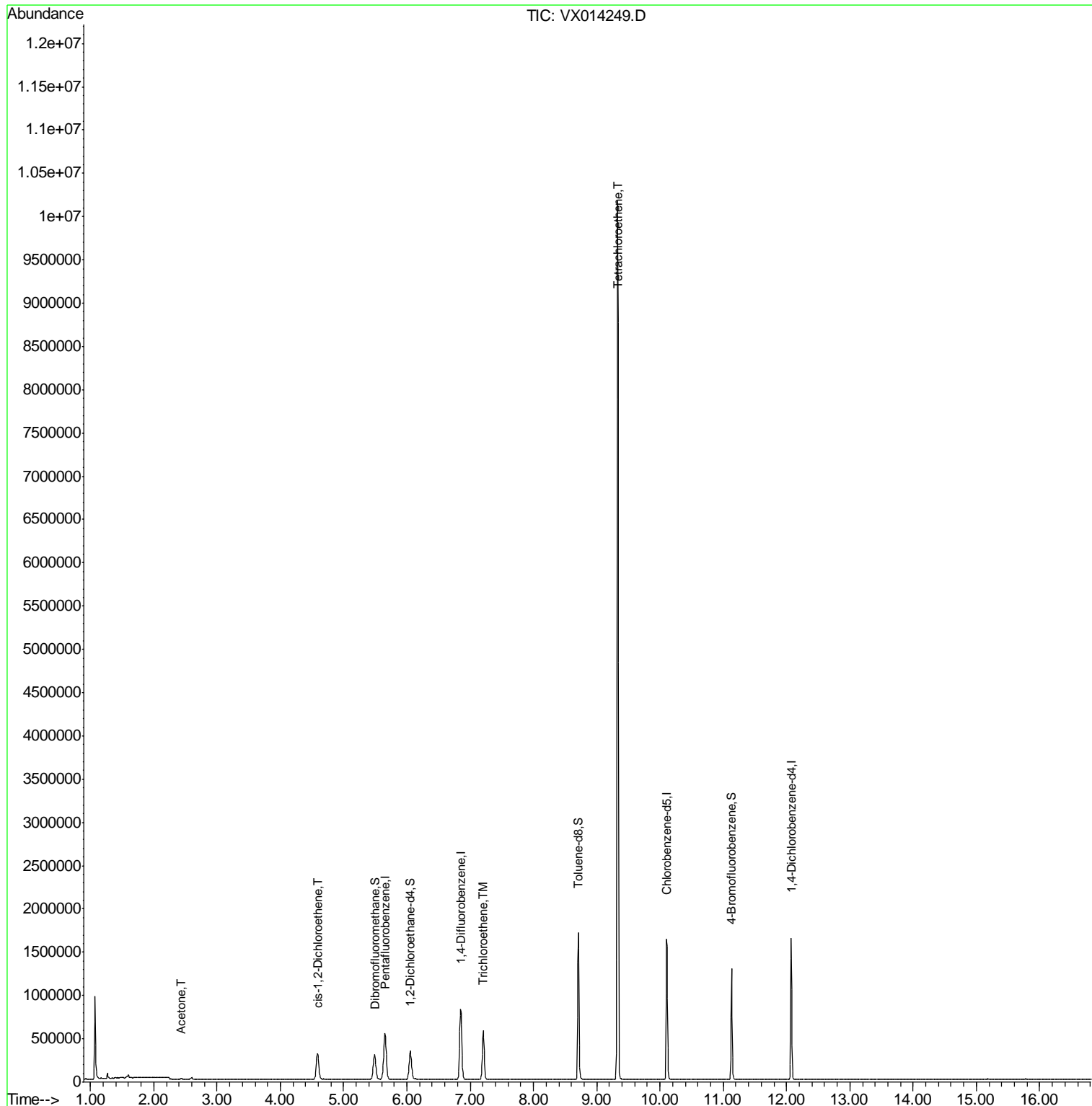
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	554049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	852225	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	755465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	335833	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	302385	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.49	113	252118	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	8.71	98	1013125	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.13	95	342652	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
Target Compounds						
16) Acetone	2.43	43	12767	3.132	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	195298	29.410	ug/l	91
44) Trichloroethene	7.21	130	226079	34.019	ug/l	99
64) Tetrachloroethene	9.33	164	2005269	299.969	ug/l	99

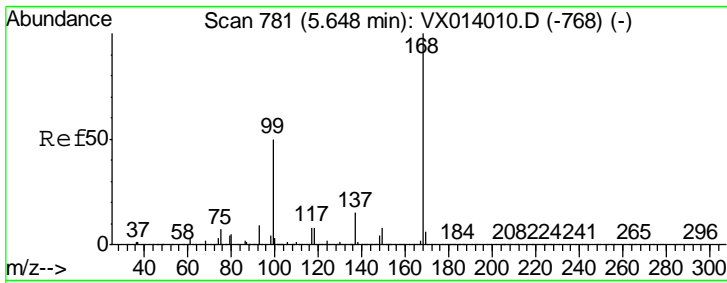
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
Data File : VX014249.D
Acq On : 24 Dec 2019 16:48
Operator : JC/SP
Sample : K6405-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
993-MW-03A-(17)

Quant Time: Dec 25 07:43:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration

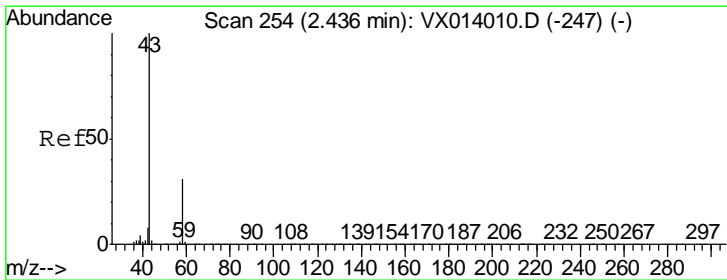
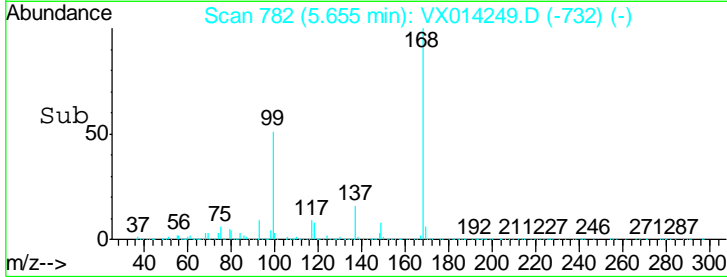
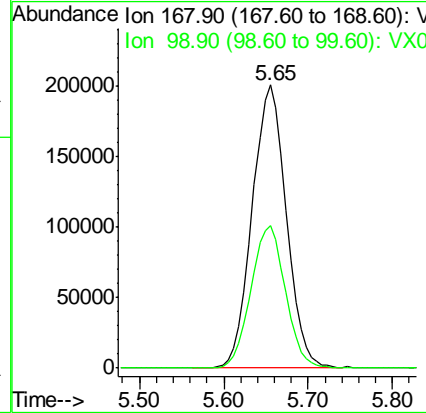
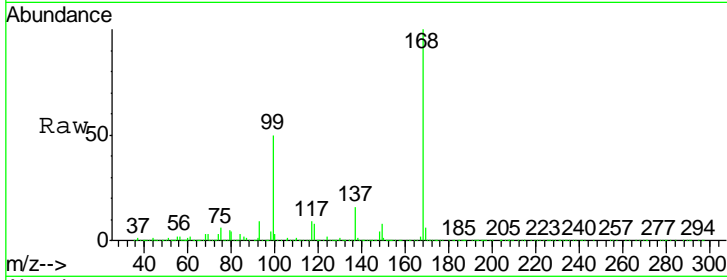




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

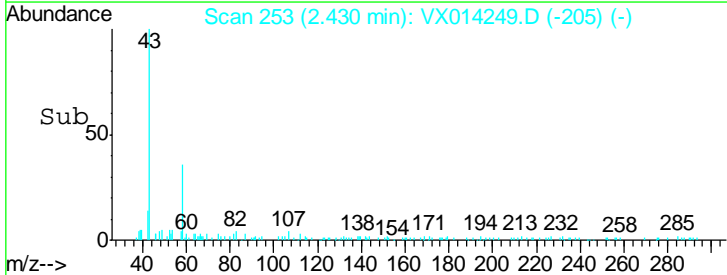
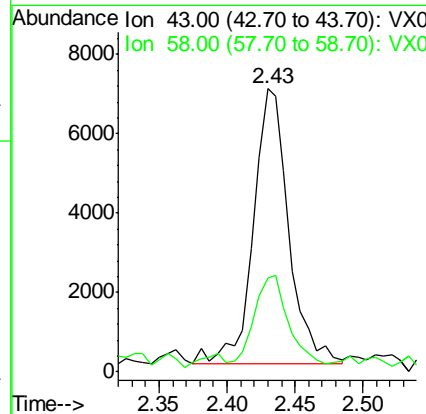
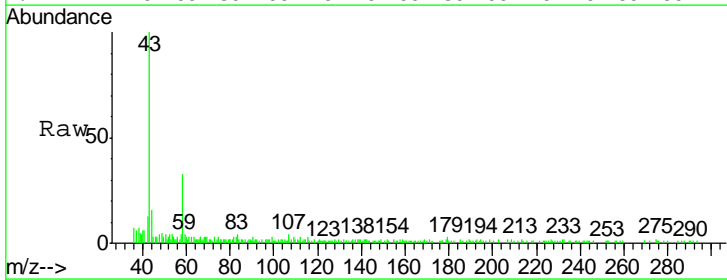
Instrument : MSVOA_X
 ClientSampled : 993-MW-03A-(17)

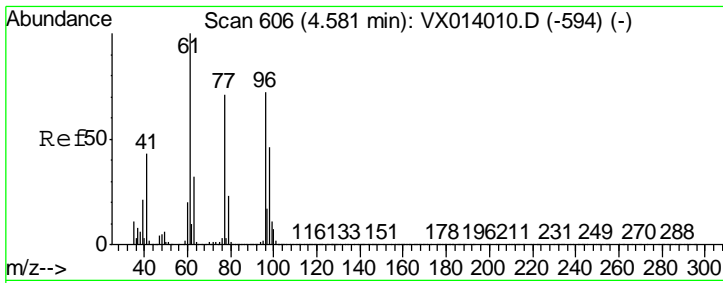
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.3	40.3	60.5



#16
 Acetone
 Concen: 3.132 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.4	24.9	37.3

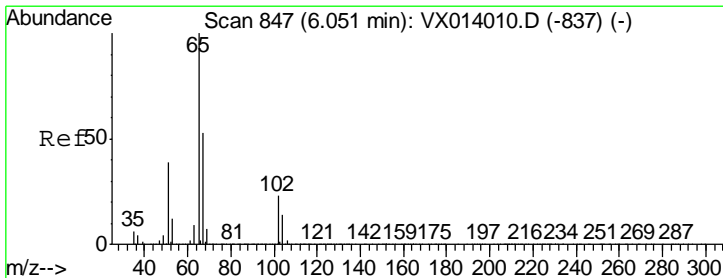
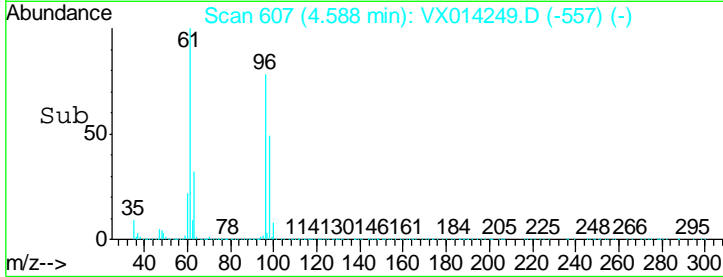
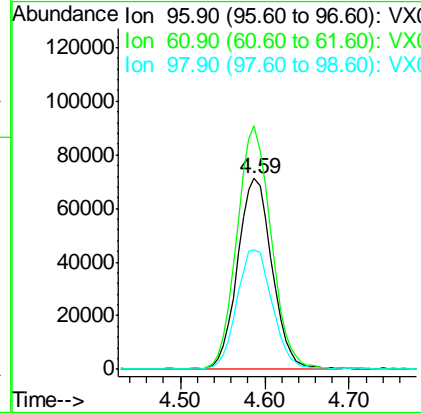
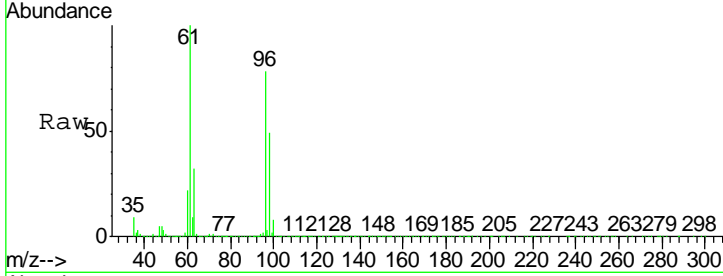




#27
 cis-1,2-Dichloroethene
 Concen: 29.410 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

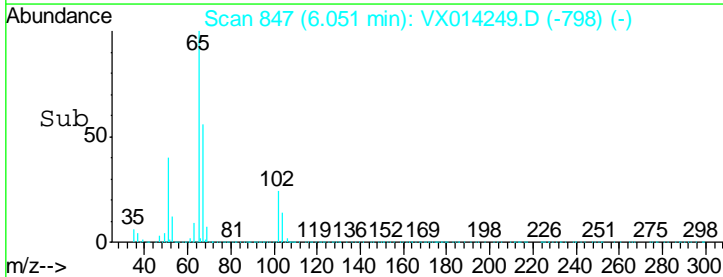
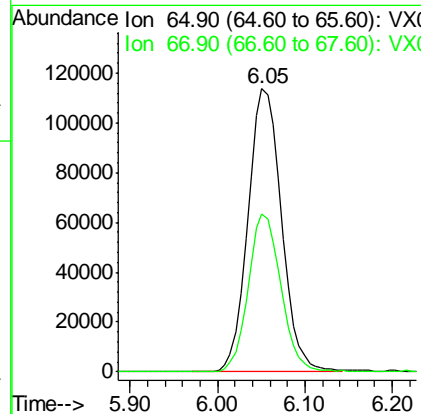
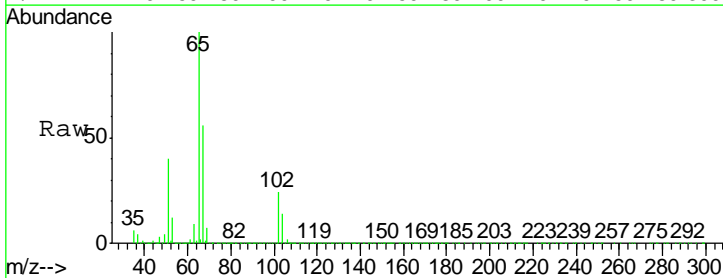
Instrument : MSVOA_X
 ClientSampleId : 993-MW-03A-(17)

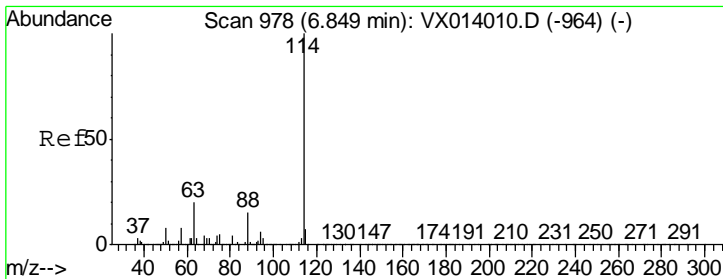
Tgt Ion	Resp	Lower	Upper
96	195298		
61	127.9	0.0	288.4
98	65.1	0.0	129.6



#33
 1,2-Dichloroethane-d4
 Concen: 48.155 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

Tgt Ion	Resp	Lower	Upper
65	302385		
67	53.8	0.0	106.4

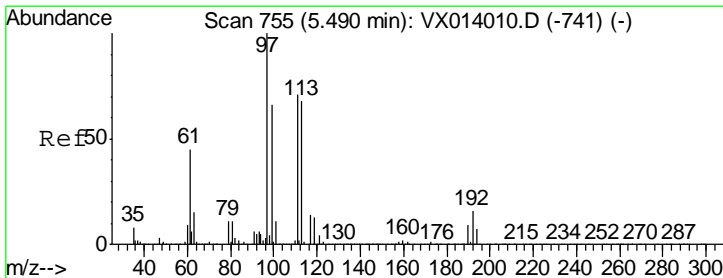
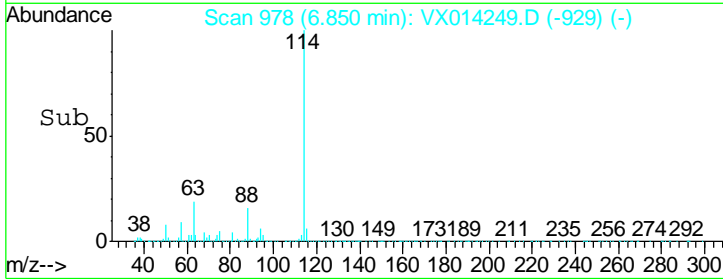
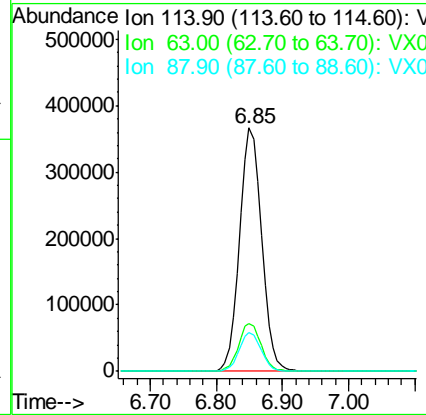
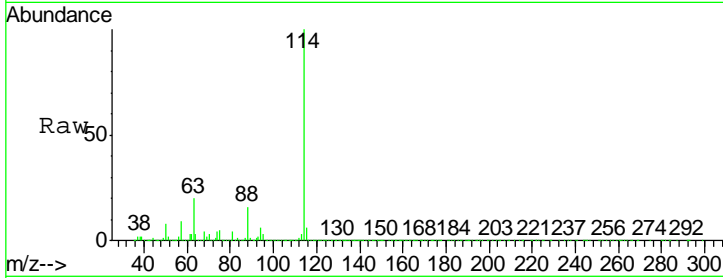




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

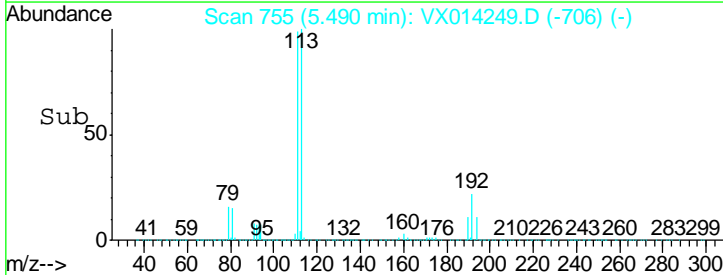
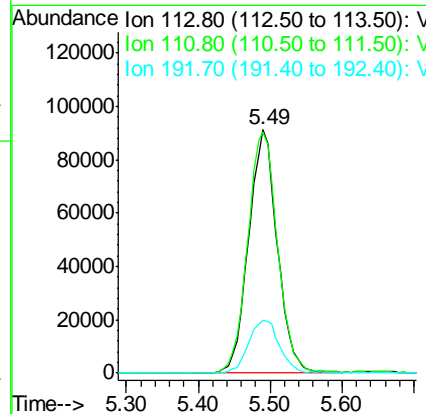
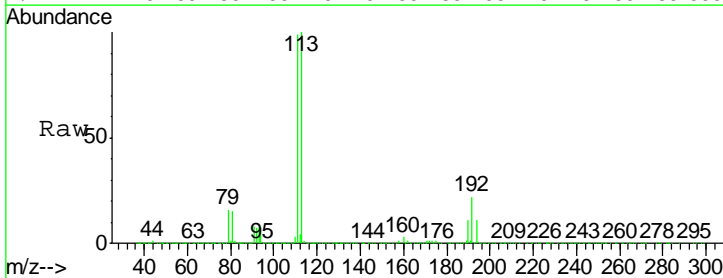
Instrument : MSVOA_X
 ClientSampled : 993-MW-03A-(17)

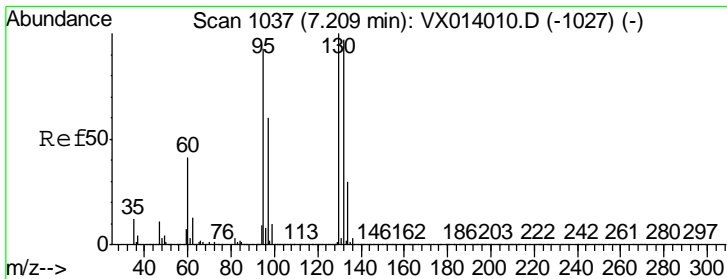
Tgt Ion	Resp	Lower	Upper
114	852225		
63	19.4	0.0	40.8
88	15.8	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 48.666 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

Tgt Ion	Resp	Lower	Upper
113	252118		
111	103.1	82.0	123.0
192	23.5	19.3	28.9

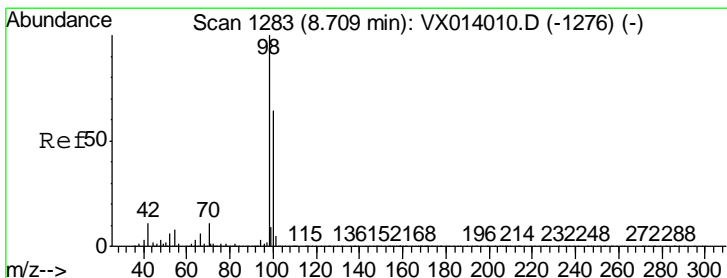
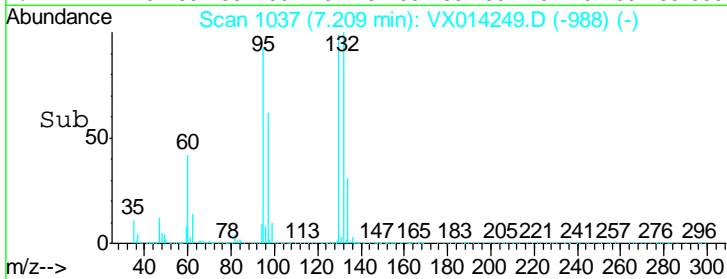
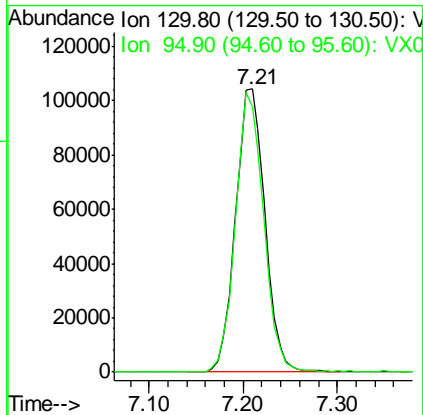
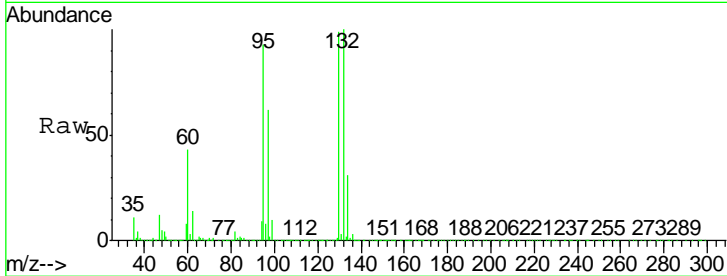




#44
 Trichloroethene
 Concen: 34.019 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

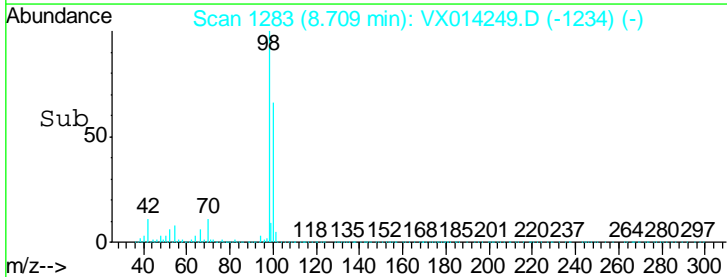
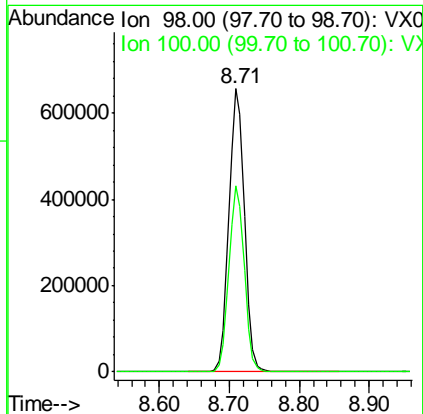
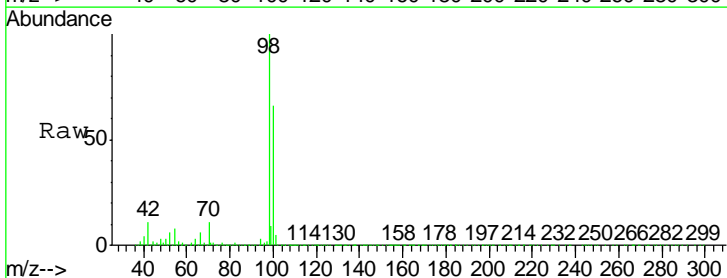
Instrument : MSVOA_X
 ClientSampleId : 993-MW-03A-(17)

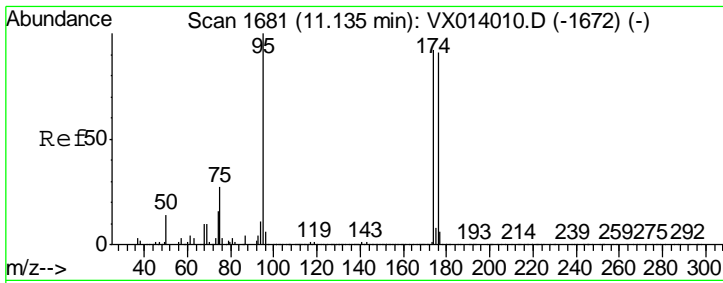
Tgt Ion	Resp	Lower	Upper
130	226079		
95	93.7	0.0	185.6



#50
 Toluene-d8
 Concen: 50.231 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

Tgt Ion	Resp	Lower	Upper
98	1013125		
100	65.2	52.9	79.3

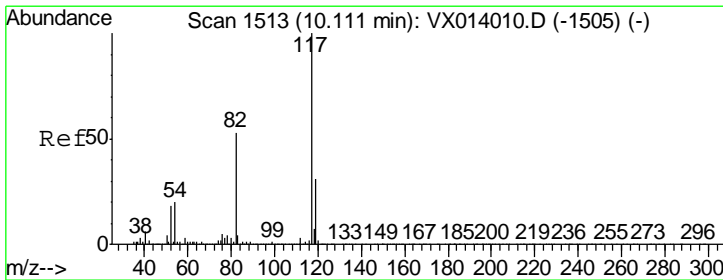
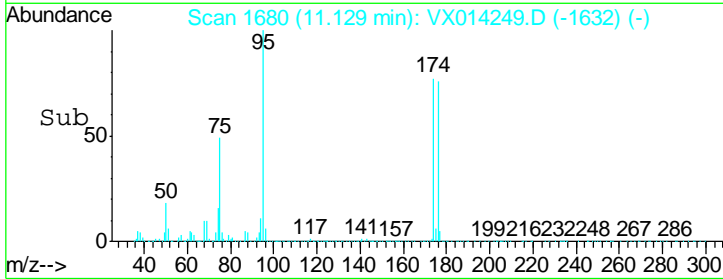
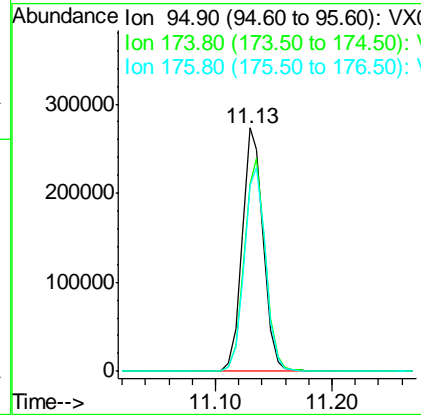
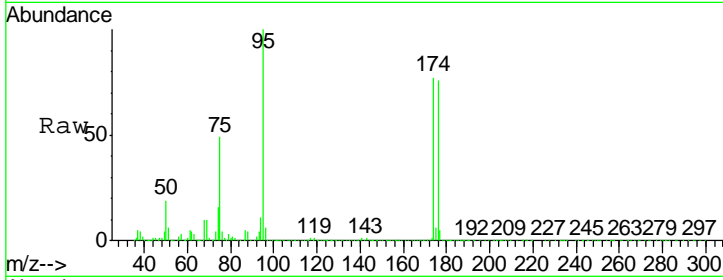




#62
 4-Bromofluorobenzene
 Concen: 46.475 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

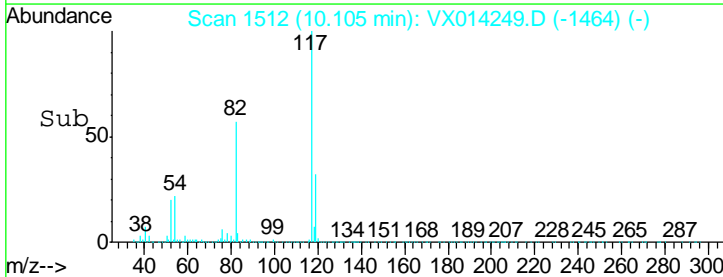
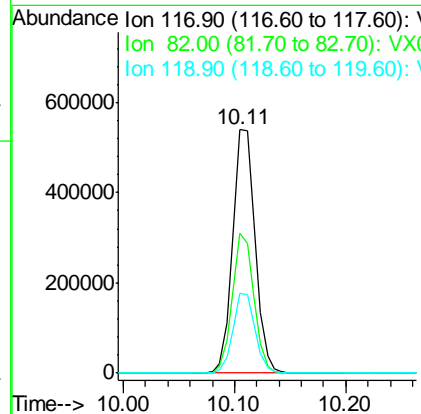
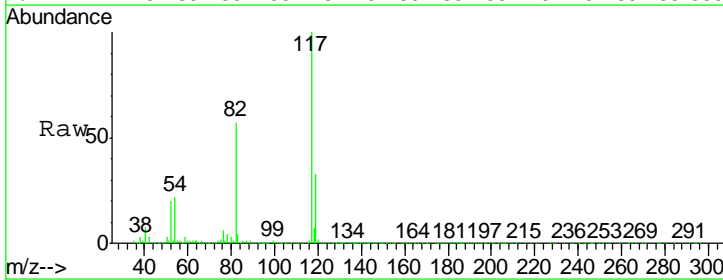
Instrument : MSVOA_X
 Client Sampled : 993-MW-03A-(17)

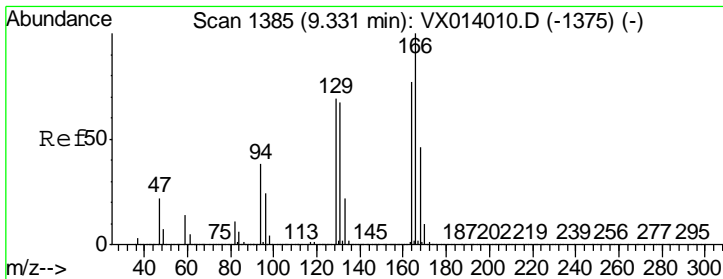
Tgt Ion	Resp	Lower	Upper
95	342652		
174	88.5	0.0	175.8
176	85.6	0.0	173.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

Tgt Ion	Resp	Lower	Upper
117	755465		
82	57.4	42.2	63.4
119	32.5	25.1	37.7

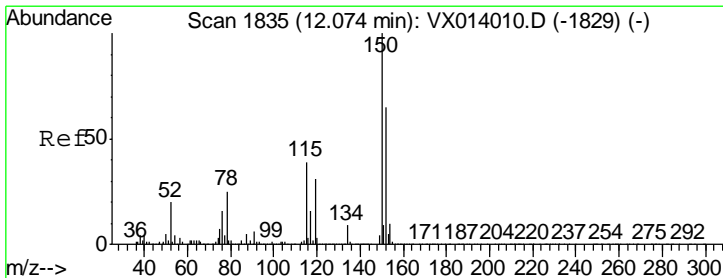
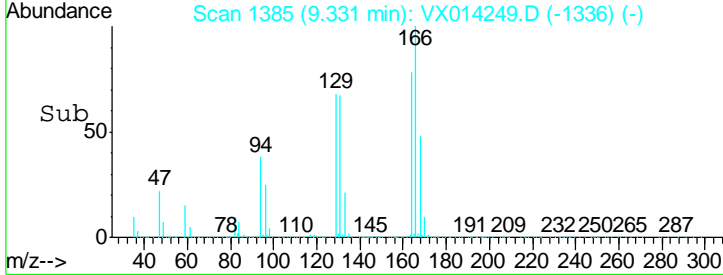
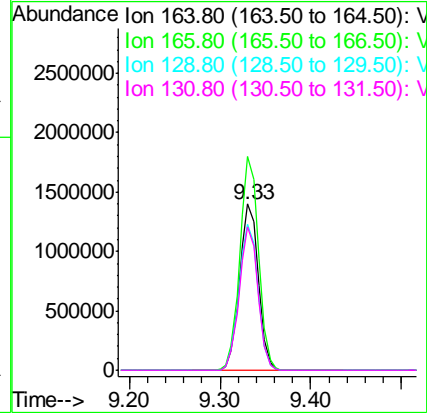
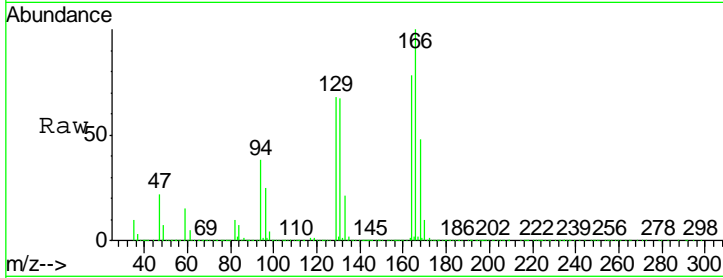




#64
 Tetrachloroethene
 Concen: 299.969 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

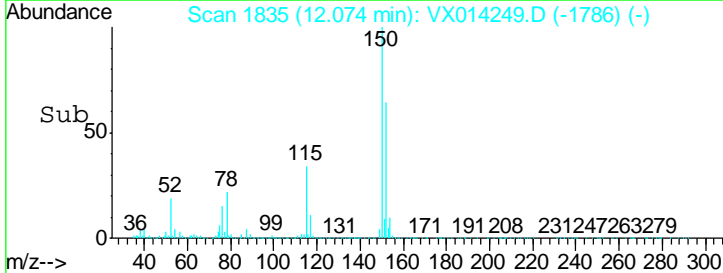
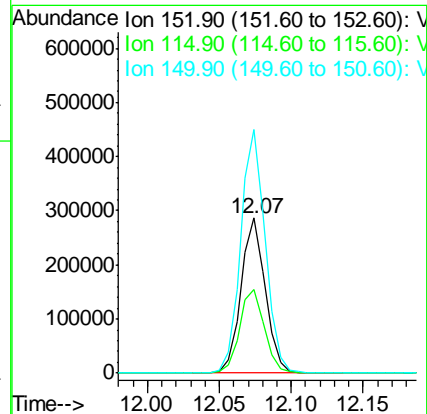
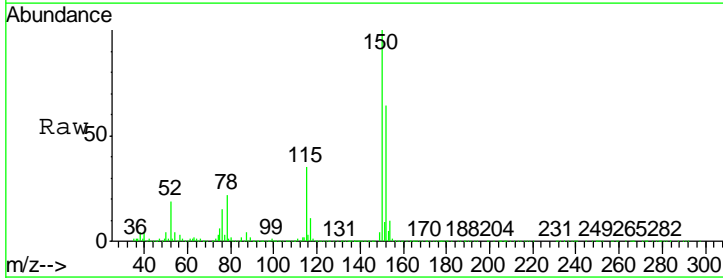
Instrument : MSVOA_X
 ClientSampled : 993-MW-03A-(17)

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.6	104.0	156.0
129	87.7	72.2	108.4
131	86.5	69.6	104.4



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.2	38.3	114.9
150	159.1	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014249.D
 Acq On : 24 Dec 2019 16:48
 Operator : JC/SP
 Sample : K6405-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	43	rBV	952055	1188533	8.21%	3.803%
2	4.588	597	607	622	rBV	302157	830246	5.73%	2.657%
3	5.490	745	755	767	rBV	292472	820558	5.67%	2.626%
4	5.655	769	782	795	rVB	533439	1489860	10.29%	4.768%
5	6.057	838	848	859	rBV	329695	872182	6.02%	2.791%
6	6.850	966	978	989	rBV	816565	1904241	13.15%	6.094%
7	7.209	1029	1037	1047	rBV	569036	1208725	8.35%	3.868%
8	8.709	1277	1283	1293	rBV	1692648	2599387	17.95%	8.318%
9	9.331	1378	1385	1393	rBV	10151664	14479754	100.00%	46.337%
10	10.105	1507	1512	1524	rBV	1622042	2209704	15.26%	7.071%
11	11.129	1675	1680	1689	rVB	1278682	1671173	11.54%	5.348%
12	12.074	1829	1835	1843	rBV	1633436	1974595	13.64%	6.319%

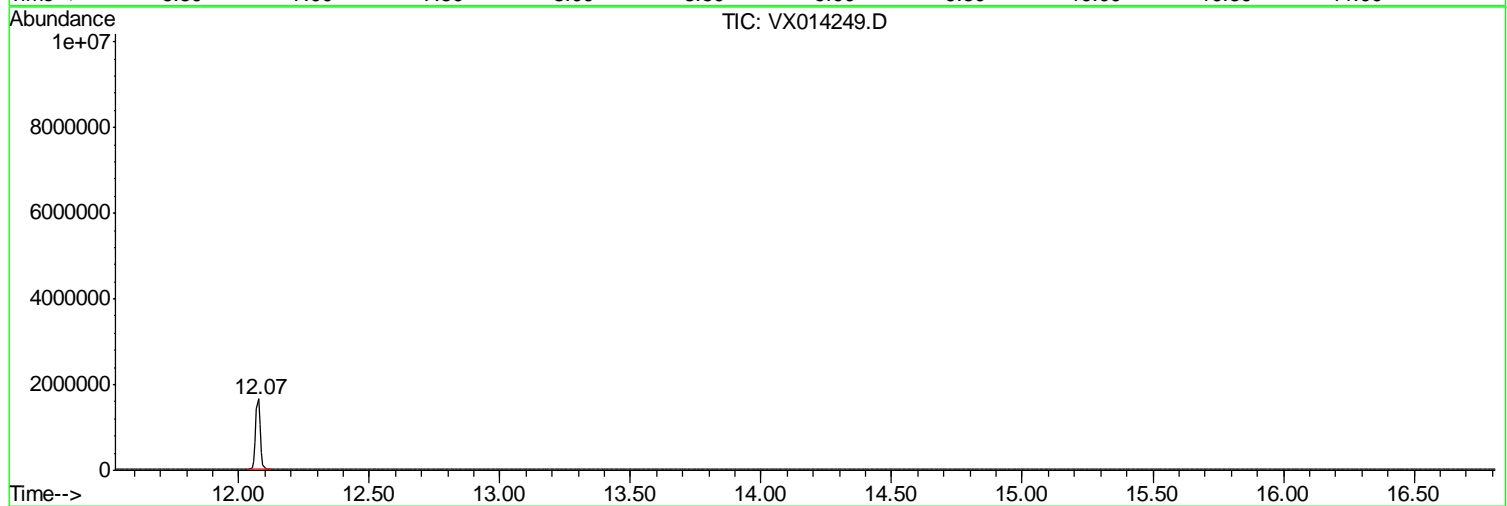
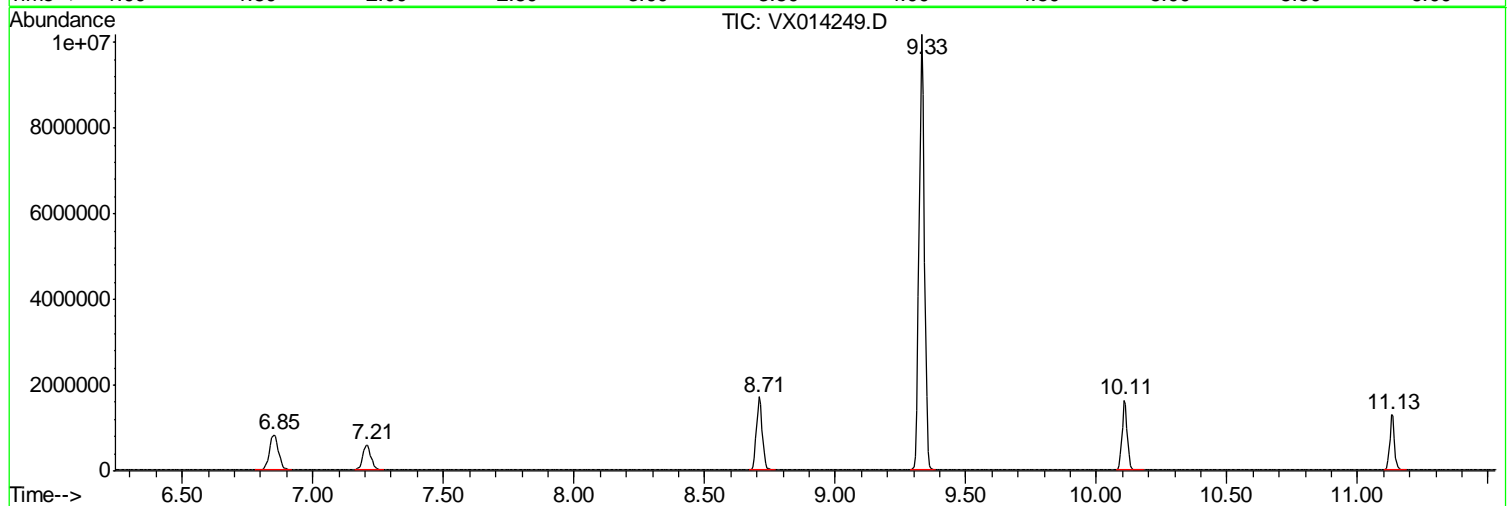
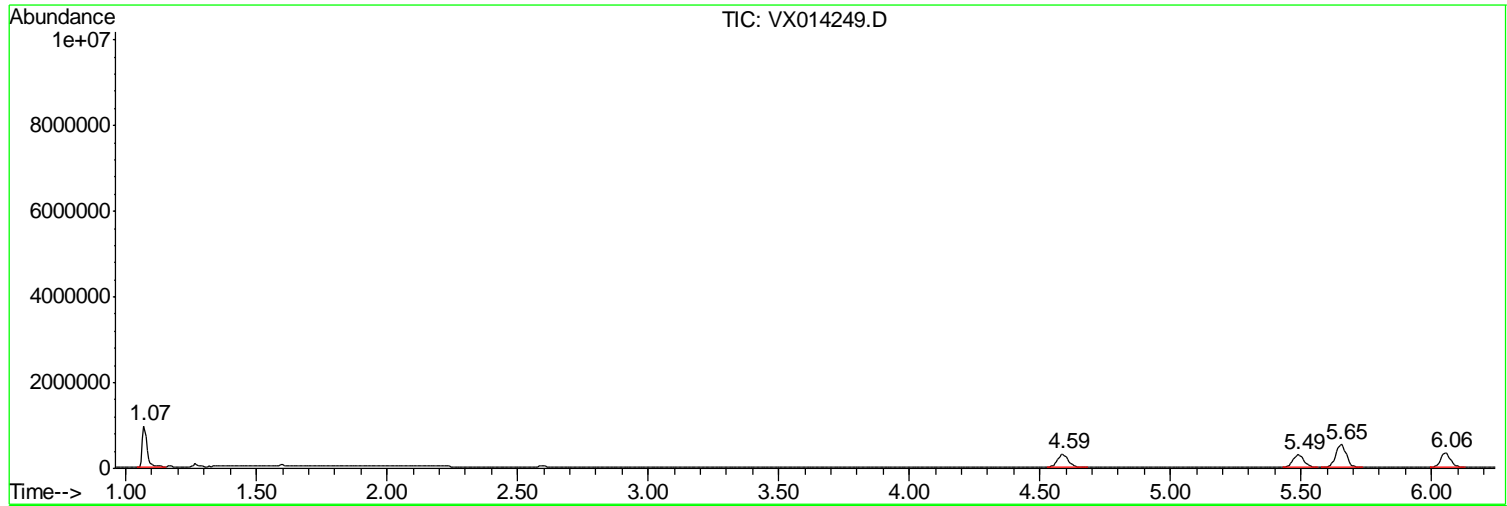
Sum of corrected areas: 31248958

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
Data File : VX014249.D
Acq On : 24 Dec 2019 16:48
Operator : JC/SP
Sample : K6405-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
993-MW-03A-(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
Data File : VX014249.D
Acq On : 24 Dec 2019 16:48
Operator : JC/SP
Sample : K6405-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
993-MW-03A-(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
 Data File : VX014249.D
 Acq On : 24 Dec 2019 16:48
 Operator : JC/SP
 Sample : K6405-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

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

- 1
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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	993-MW-03A-(17)DL	SDG No.:	K6405
Lab Sample ID:	K6405-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014282.D	5		12/26/19 20:14	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	UD	1.10	5.00	ug/L
74-87-3	Chloromethane	5.00	UD	1.50	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	UD	0.80	5.00	ug/L
74-83-9	Bromomethane	25.0	UD	10.3	25.0	ug/L
75-00-3	Chloroethane	5.00	UD	1.70	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	0.79	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	1.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	UD	0.91	5.00	ug/L
67-64-1	Acetone	25.0	UD	4.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	UD	1.20	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	0.35	5.00	ug/L
79-20-9	Methyl Acetate	5.00	UD	3.20	5.00	ug/L
75-09-2	Methylene Chloride	5.00	UD	1.60	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	1.20	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	0.83	5.00	ug/L
110-82-7	Cyclohexane	25.0	UD	6.00	25.0	ug/L
78-93-3	2-Butanone	25.0	UD	3.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	30.0	D	1.50	5.00	ug/L
74-97-5	Bromochloromethane	5.00	UD	1.60	5.00	ug/L
67-66-3	Chloroform	5.00	UD	0.71	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	0.62	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	UD	0.86	5.00	ug/L
71-43-2	Benzene	5.00	UD	0.49	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	0.65	5.00	ug/L
79-01-6	Trichloroethene	36.1	D	1.30	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	0.68	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	UD	0.51	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	4.30	25.0	ug/L
108-88-3	Toluene	5.00	UD	0.58	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	5.00	UD	0.96	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	0.78	5.00	ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014282.D
 Acq On : 26 Dec 2019 20:14
 Operator : JC/SP
 Sample : K6405-03DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)DL

Quant Time: Dec 27 07:30:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

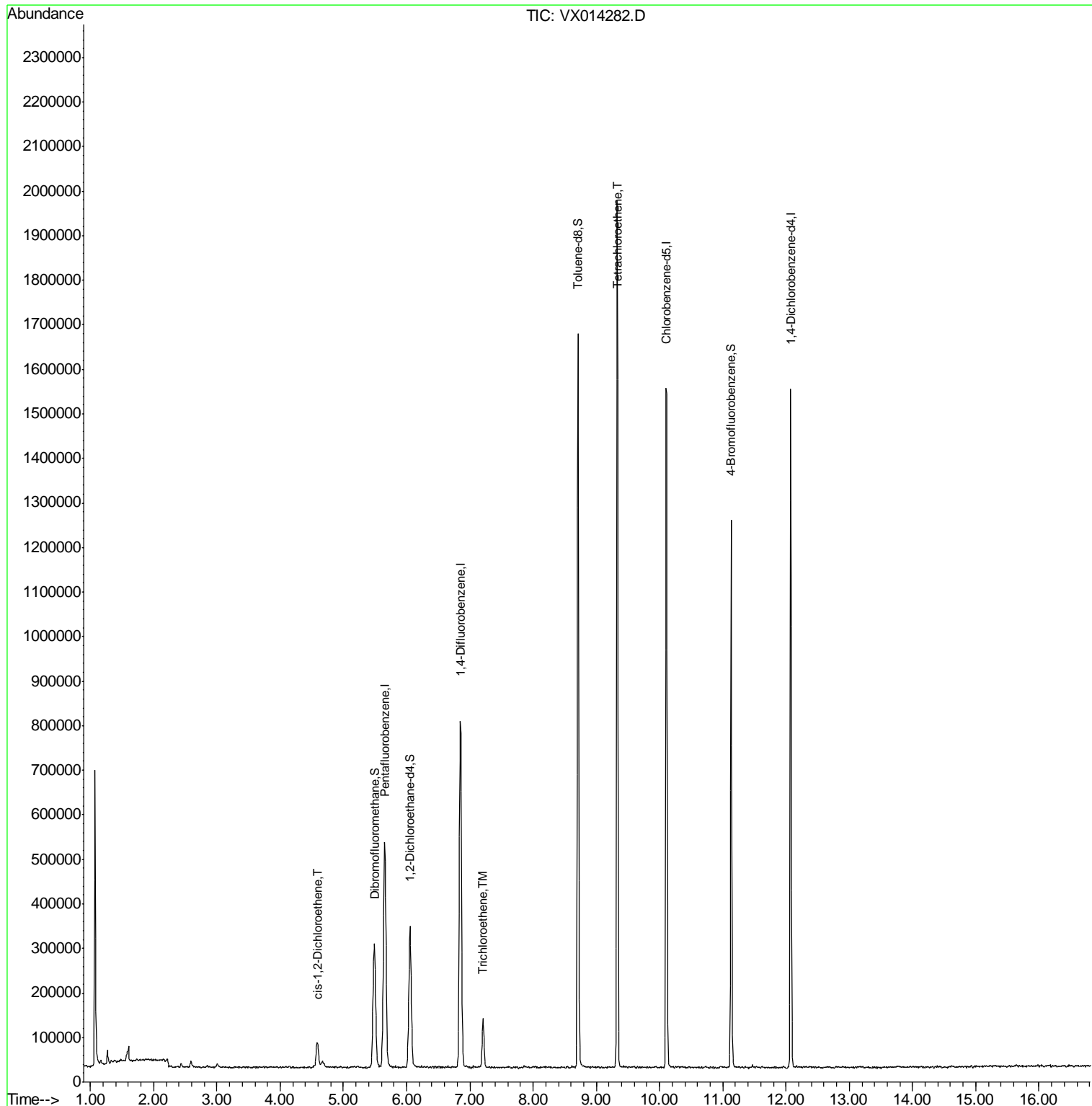
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	527397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	815574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	730963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317988	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	292862	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	5.49	113	243092	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	8.71	98	961203	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.14	95	321356	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
Target Compounds						
27) cis-1,2-Dichloroethene	4.59	96	37929	6.000	ug/l	89
44) Trichloroethene	7.21	130	45863	7.211	ug/l	95
64) Tetrachloroethene	9.33	164	370872	57.338	ug/l	98

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

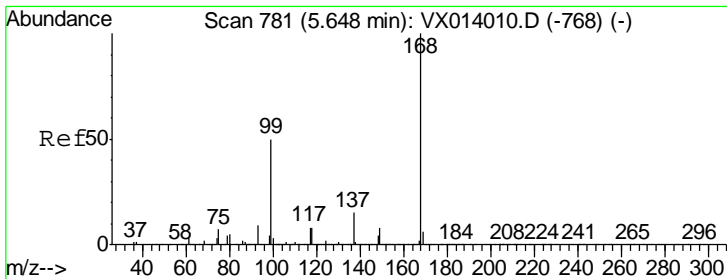
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014282.D
 Acq On : 26 Dec 2019 20:14
 Operator : JC/SP
 Sample : K6405-03DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)DL

Quant Time: Dec 27 07:30:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



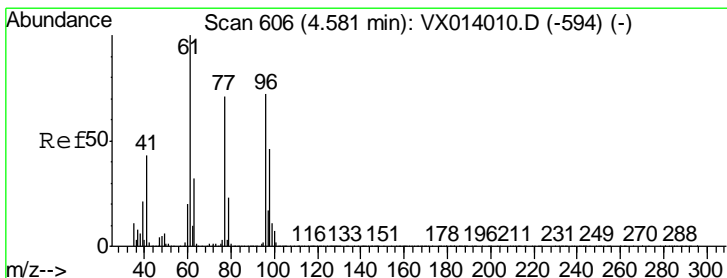
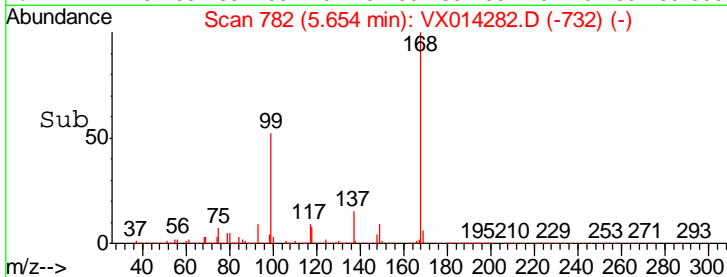
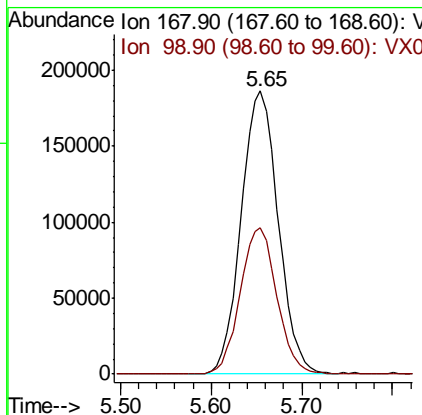
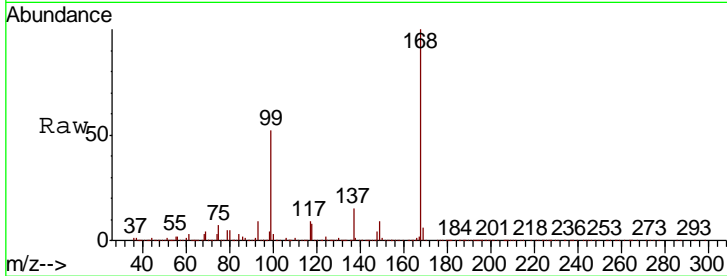
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

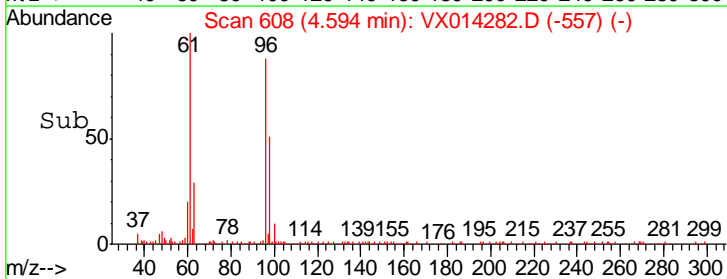
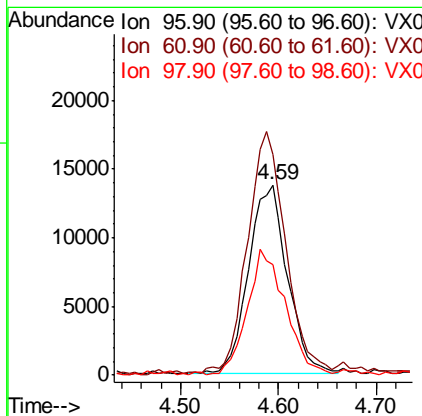
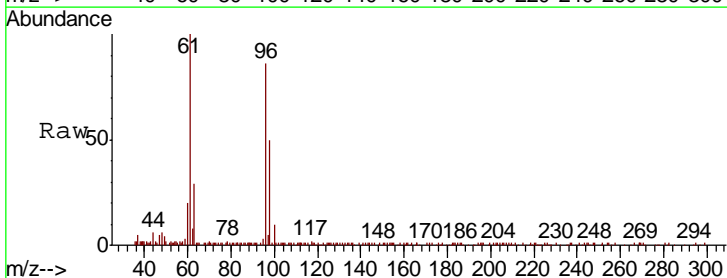
Instrument : MSVOA_X
 ClientSampled : 993-MW-03A-(17)DL

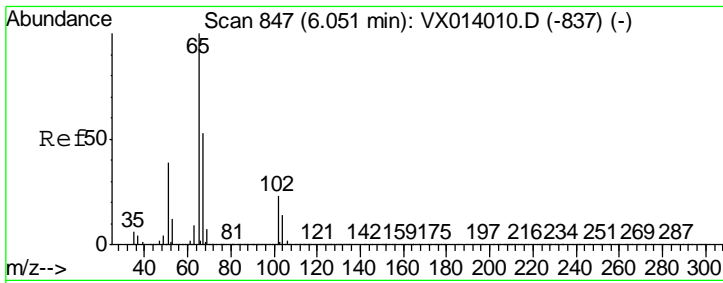
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.5	40.3	60.5



#27
 cis-1,2-Dichloroethene
 Concen: 6.000 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Tgt Ion	Resp	Lower	Upper
96	100		
61	124.8	0.0	288.4
98	65.5	0.0	129.6

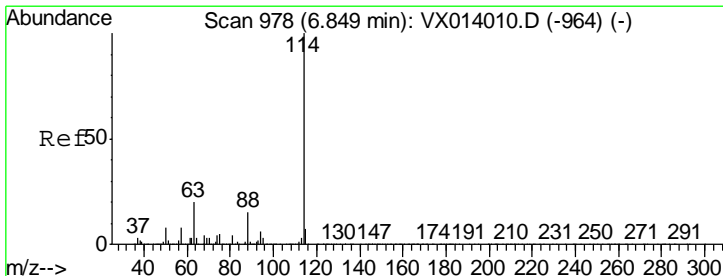
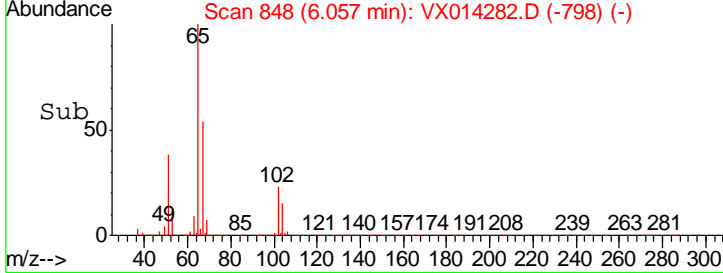
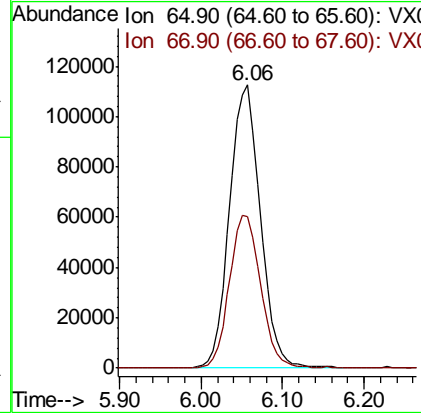
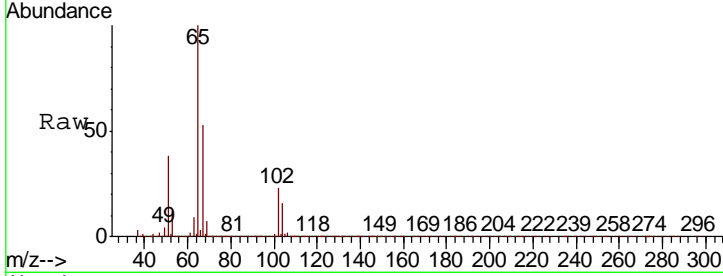




#33
 1,2-Dichloroethane-d4
 Concen: 48.996 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

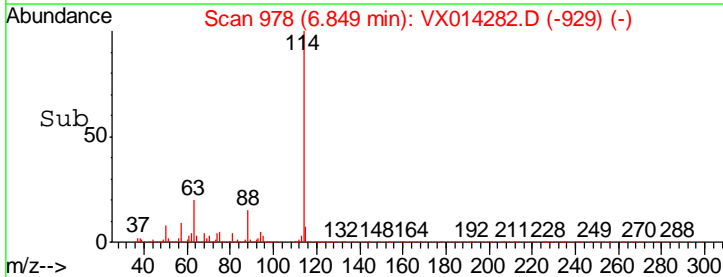
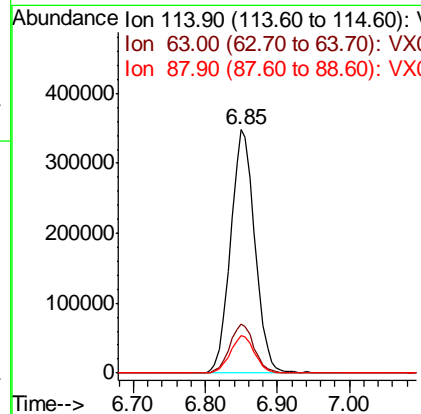
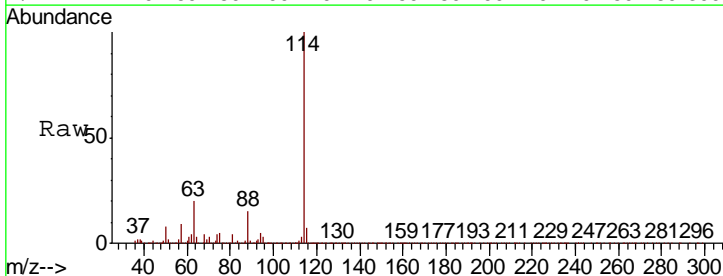
Instrument : MSVOA_X
 ClientSampleId : 993-MW-03A-(17)DL

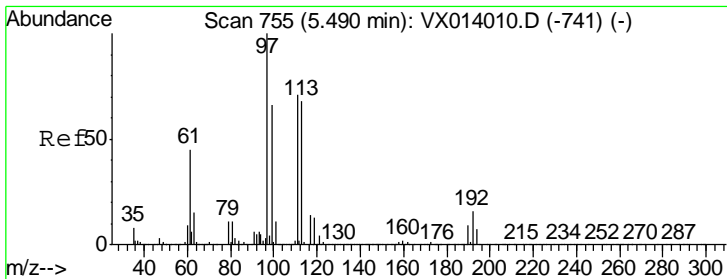
Tgt Ion	Resp	Lower	Upper
65	292862		
67	54.4	0.0	106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Tgt Ion	Resp	Lower	Upper
114	815574		
63	20.1	0.0	40.8
88	15.3	0.0	30.4

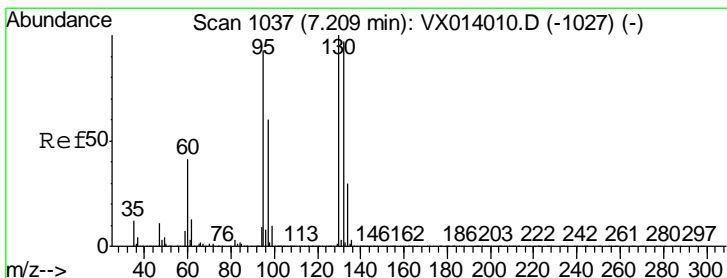
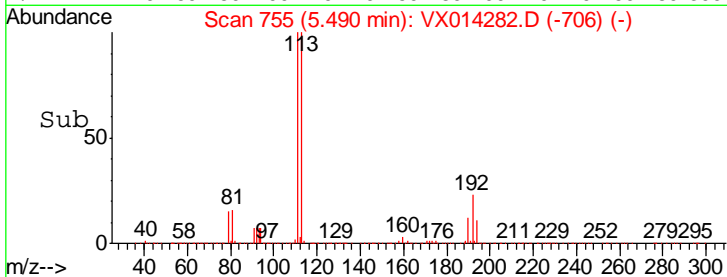
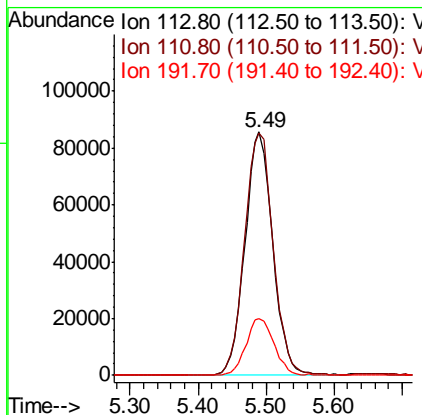
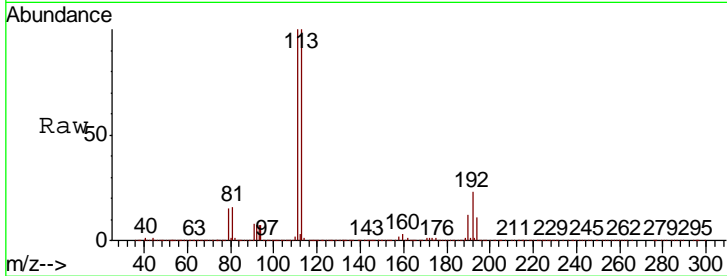




#35
 Dibromofluoromethane
 Concen: 49.032 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

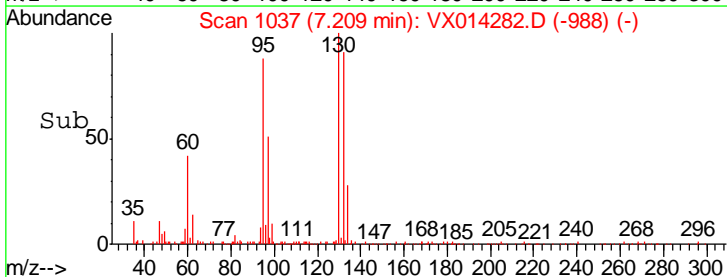
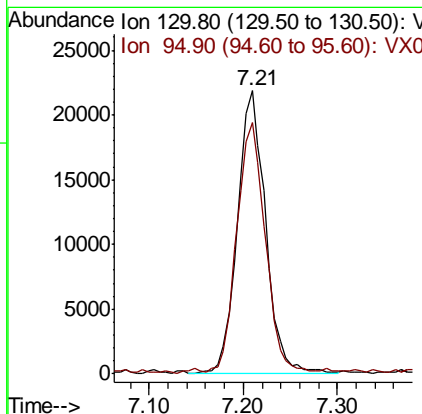
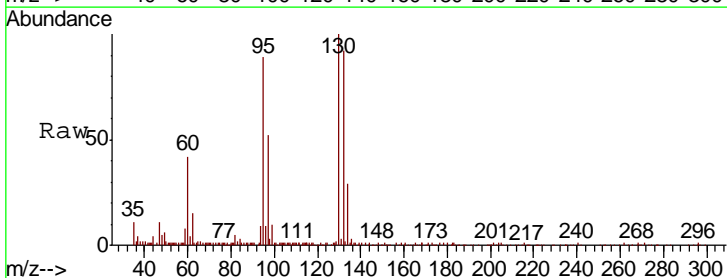
Instrument : MSVOA_X
 ClientSampleId : 993-MW-03A-(17)DL

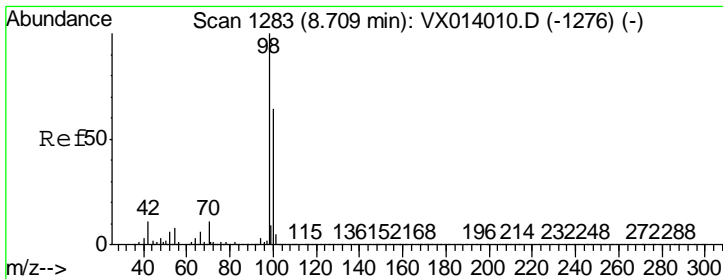
Tgt Ion	Resp	Lower	Upper
113	243092		
111	102.3	82.0	123.0
192	23.8	19.3	28.9



#44
 Trichloroethene
 Concen: 7.211 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Tgt Ion	Resp	Lower	Upper
130	45863		
95	87.8	0.0	185.6

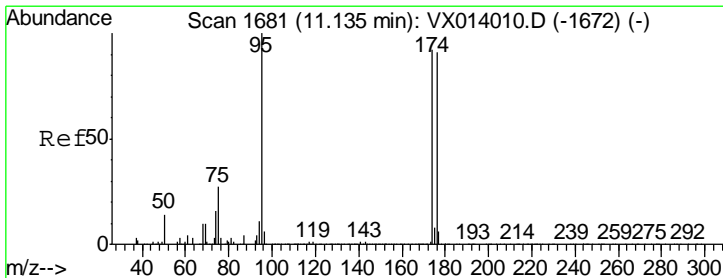
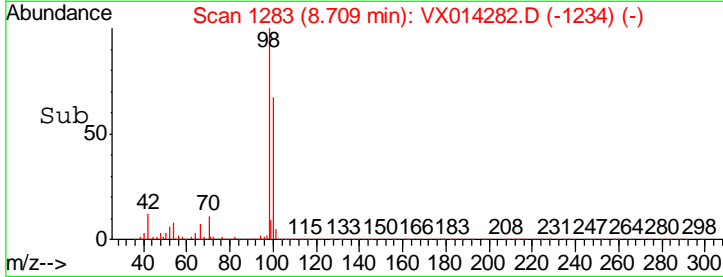
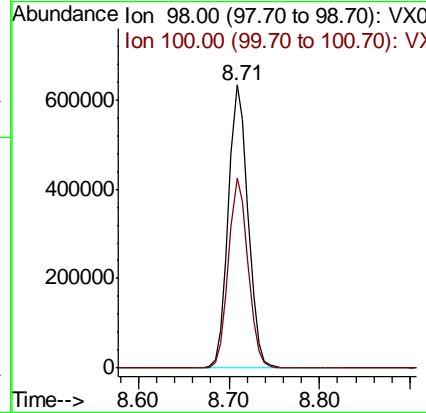
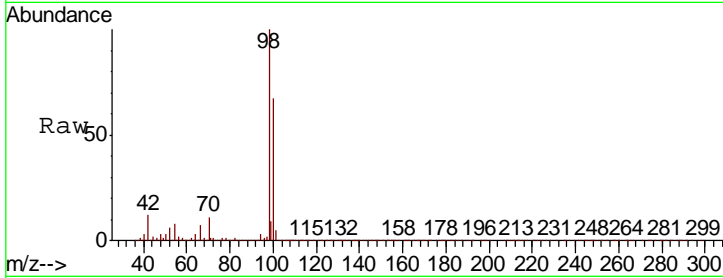




#50
 Toluene-d8
 Concen: 49.798 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

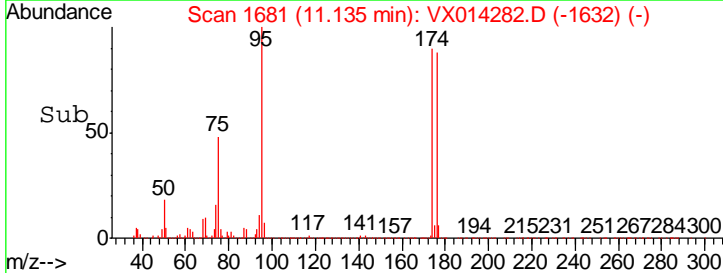
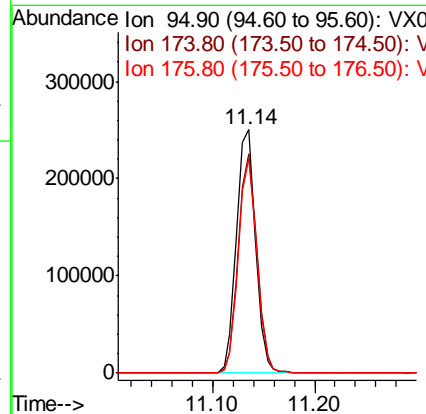
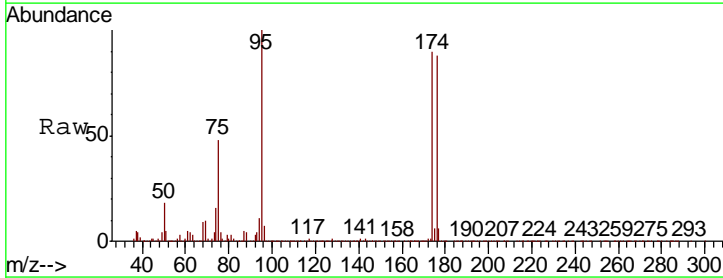
Instrument : MSVOA_X
 ClientSampled : 993-MW-03A-(17)DL

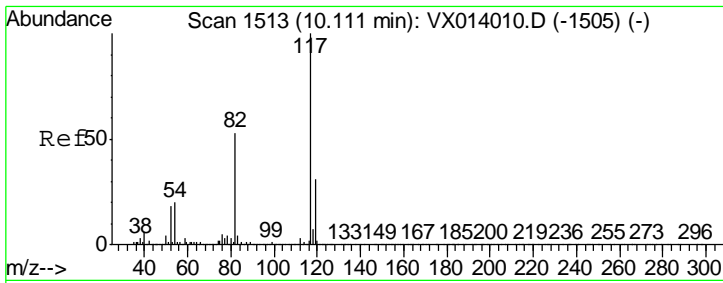
Tgt Ion	Resp	Lower	Upper
98	100		
100	66.8	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 45.546 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.7	0.0	175.8
176	85.7	0.0	173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014282.D

Acq: 26 Dec 2019 20:14

Instrument :

MSVOA_X

ClientSampled :

993-MW-03A-(17)DL

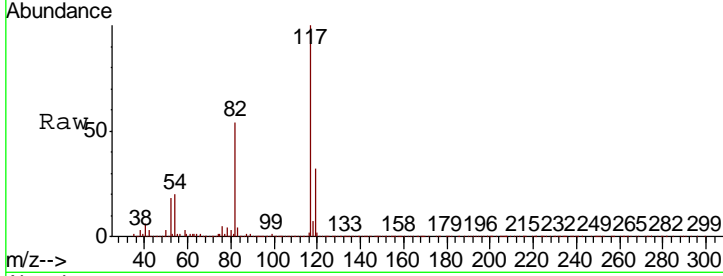
Tgt Ion:117 Resp: 730963

Ion Ratio Lower Upper

117 100

82 53.8 42.2 63.4

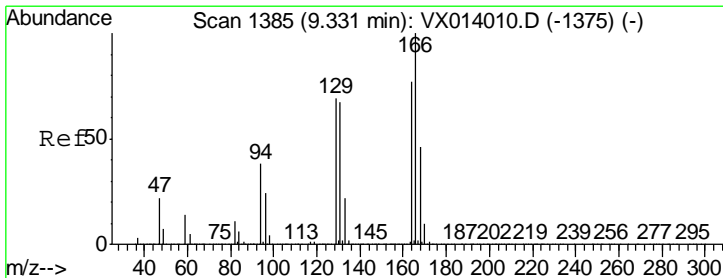
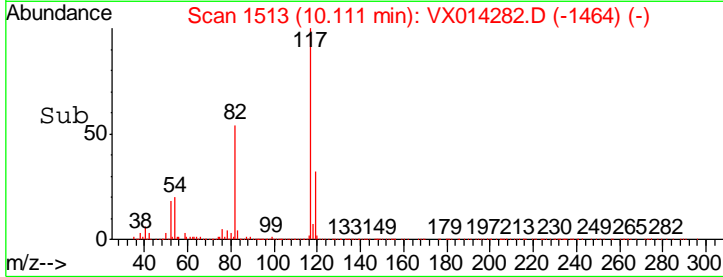
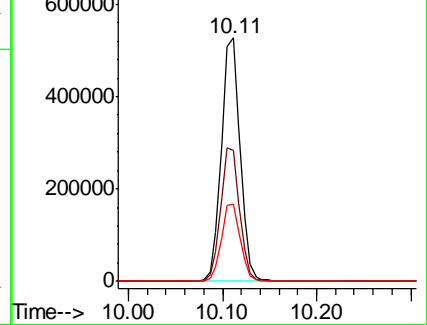
119 31.9 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 57.338 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014282.D

Acq: 26 Dec 2019 20:14

Tgt Ion:164 Resp: 370872

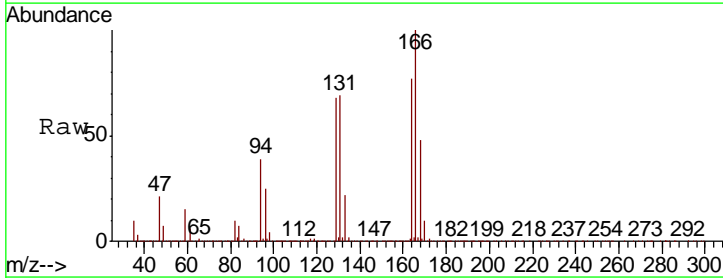
Ion Ratio Lower Upper

164 100

166 129.2 104.0 156.0

129 87.4 72.2 108.4

131 88.8 69.6 104.4

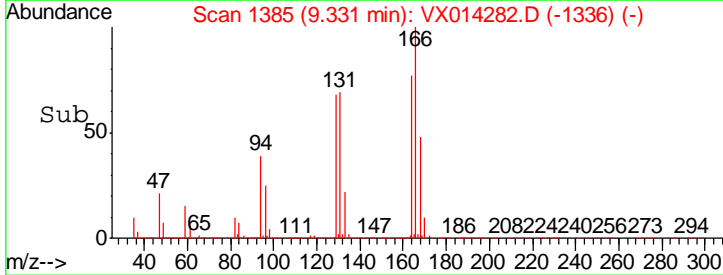
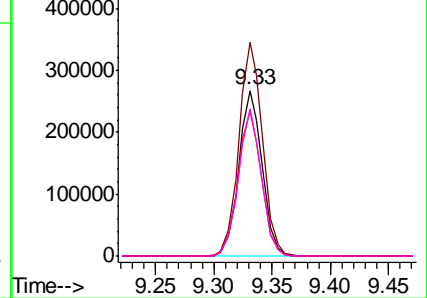


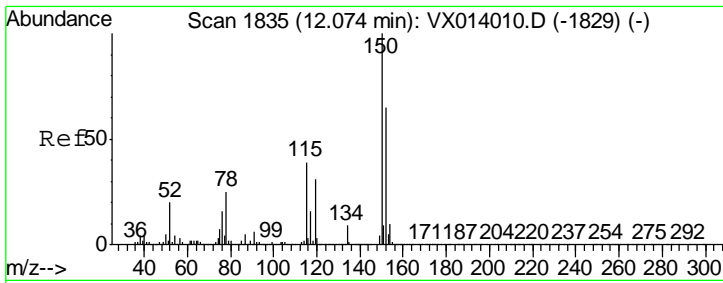
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

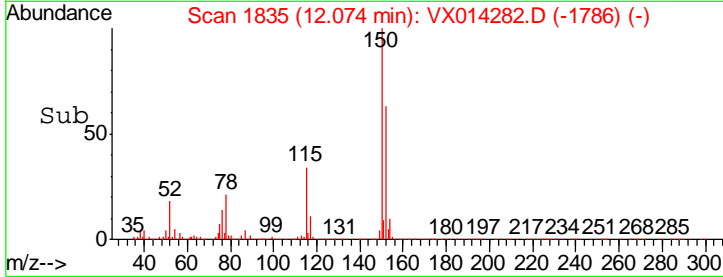
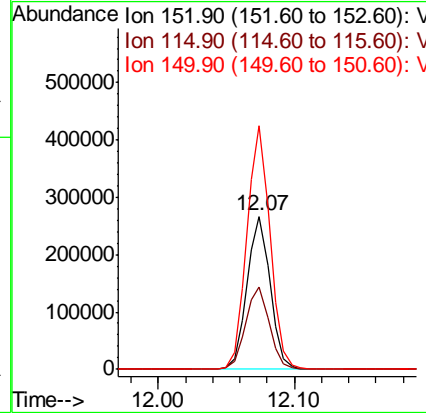
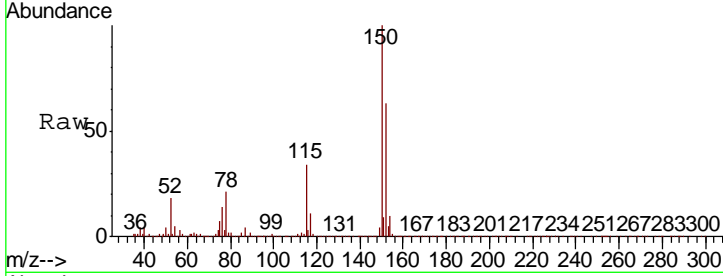




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014282.D
 Acq: 26 Dec 2019 20:14

Instrument : MSVOA_X
 ClientSampleId : 993-MW-03A-(17)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	54.7	38.3	114.9
150	158.4	0.0	345.4





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	994-MW-05-(17)	SDG No.:	K6405
Lab Sample ID:	K6405-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014272.D	1		12/26/19 16:21	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.12	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.40	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	28.1		0.15	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.080	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.20	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.13	1.00	ug/L
100-42-5	Styrene	1.00	U	0.11	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		61 - 141	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		69 - 133	98%	SPK: 50
2037-26-5	Toluene-d8	50.3		65 - 126	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		58 - 135	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	540000	5.65			
540-36-3	1,4-Difluorobenzene	831000	6.85			
3114-55-4	Chlorobenzene-d5	751000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	327000	12.07			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014272.D
 Acq On : 26 Dec 2019 16:21
 Operator : JC/SP
 Sample : K6405-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 994-MW-05-(17)

Quant Time: Dec 27 07:07:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

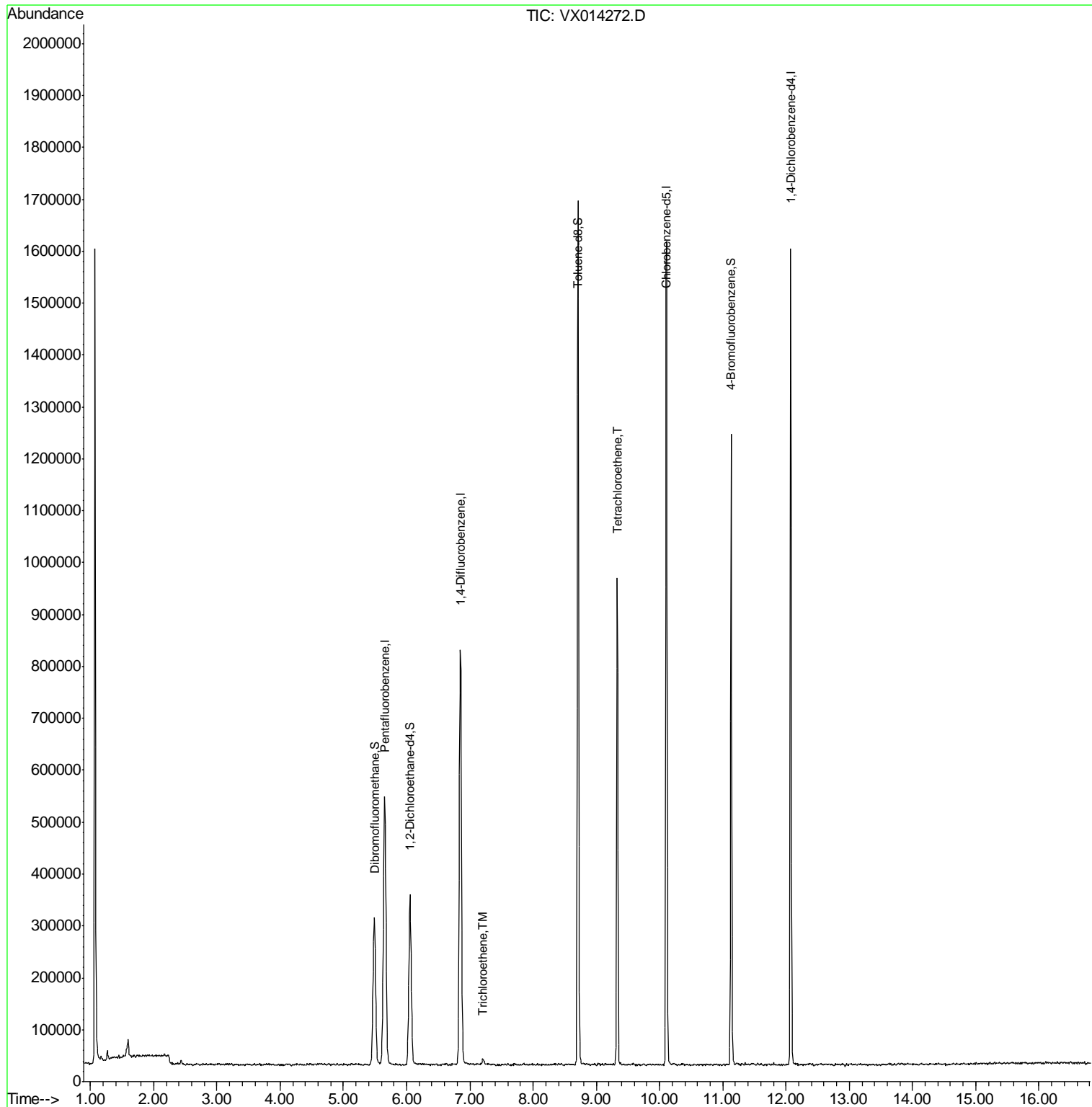
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	540190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	830906	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	751127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	326744	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	303560	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	5.49	113	246914	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	8.71	98	988677	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	326971	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
Target Compounds						
44) Trichloroethene	7.22	130	4907	0.757	ug/l	78
64) Tetrachloroethene	9.33	164	187044	28.142	ug/l	99

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

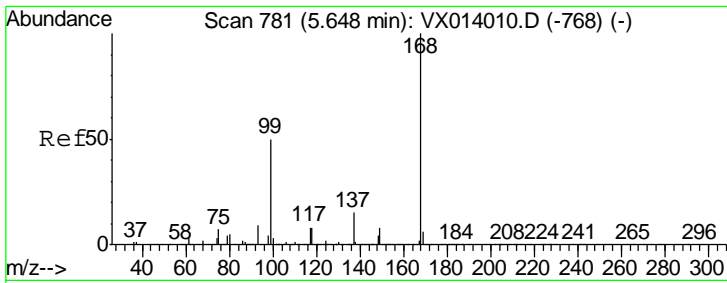
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 Data File : VX014272.D
 Acq On : 26 Dec 2019 16:21
 Operator : JC/SP
 Sample : K6405-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 994-MW-05-(17)

Quant Time: Dec 27 07:07:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



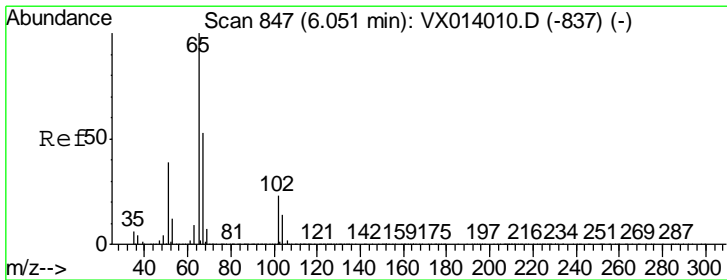
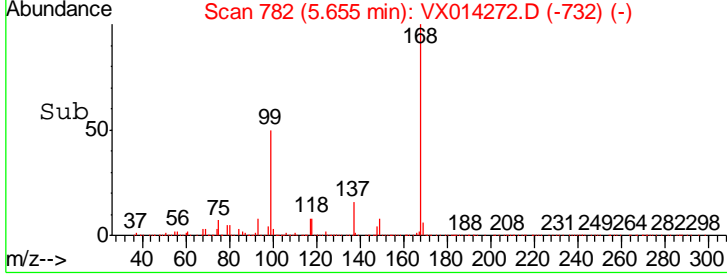
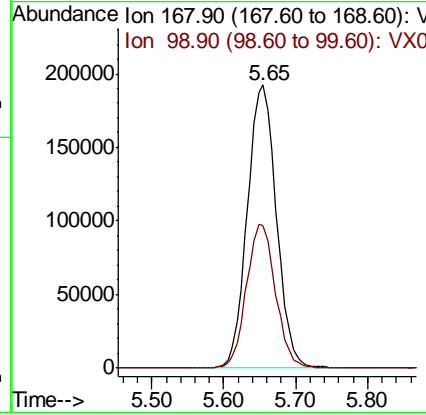
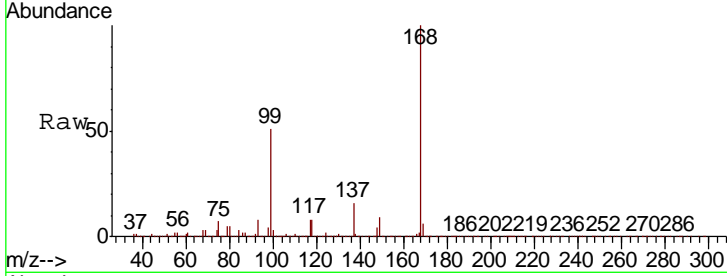
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

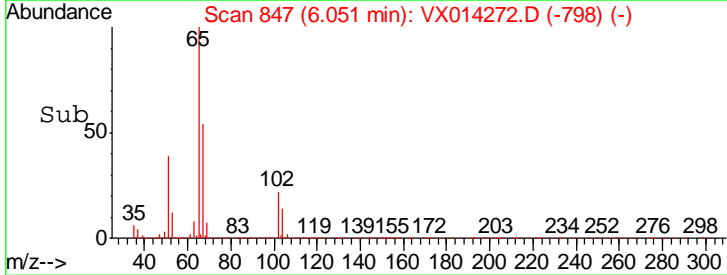
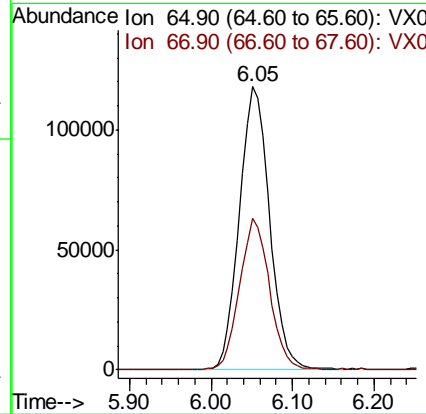
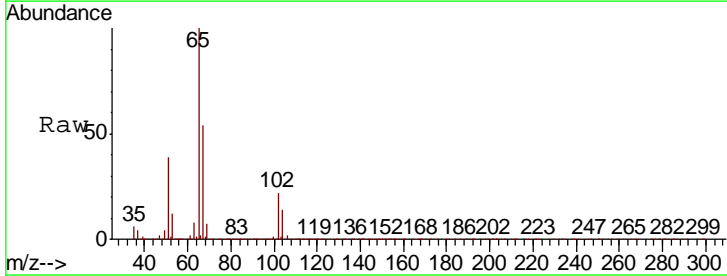
Instrument : MSVOA_X
 Client Sampled : 994-MW-05-(17)

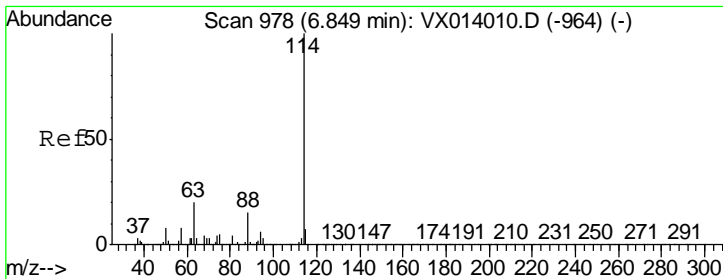
Tgt Ion	Resp	Lower	Upper
168	540190		
99	100	40.3	60.5



#33
 1,2-Dichloroethane-d4
 Concen: 49.583 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

Tgt Ion	Resp	Lower	Upper
65	303560		
67	100	0.0	106.4

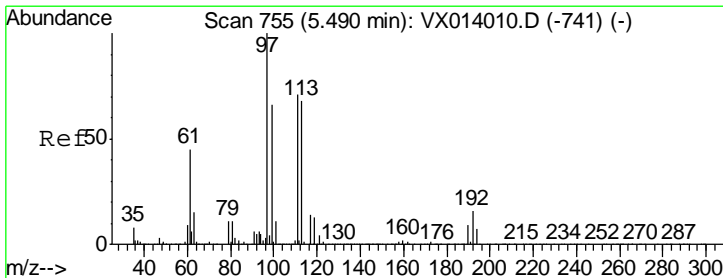
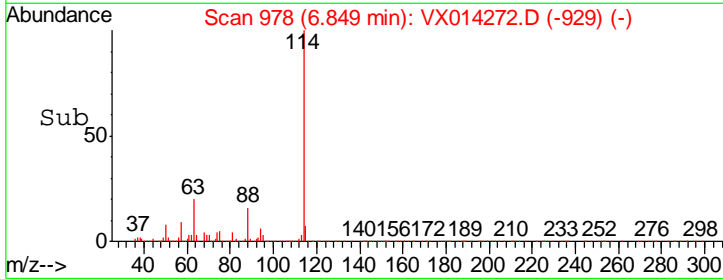
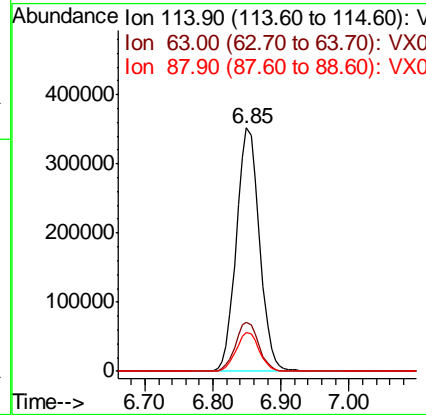
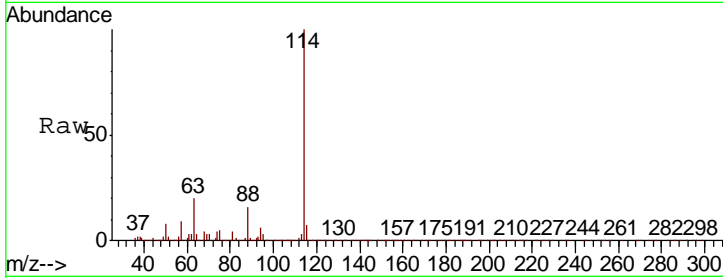




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

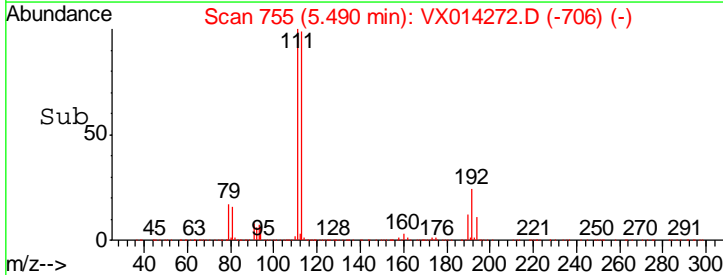
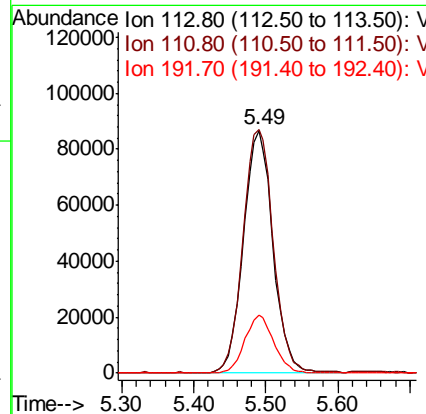
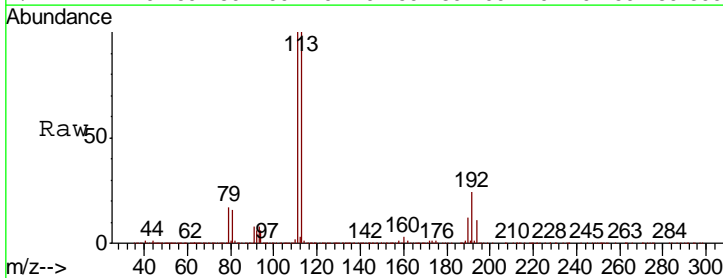
Instrument : MSVOA_X
 ClientSampleId : 994-MW-05-(17)

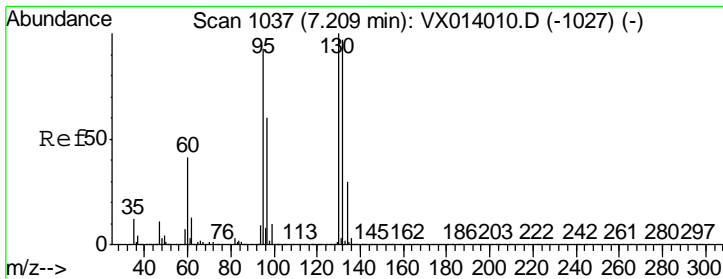
Tgt Ion	Resp	Lower	Upper
114	830906		
63	20.0	0.0	40.8
88	15.9	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 48.884 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

Tgt Ion	Resp	Lower	Upper
113	246914		
111	102.4	82.0	123.0
192	23.3	19.3	28.9



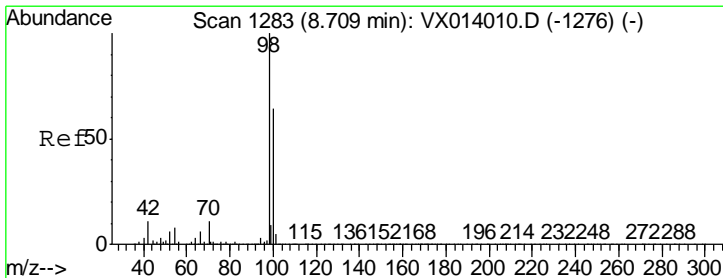
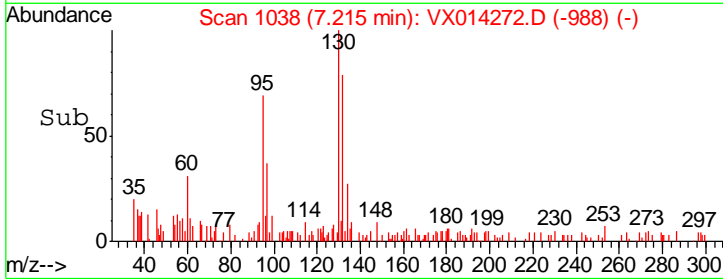
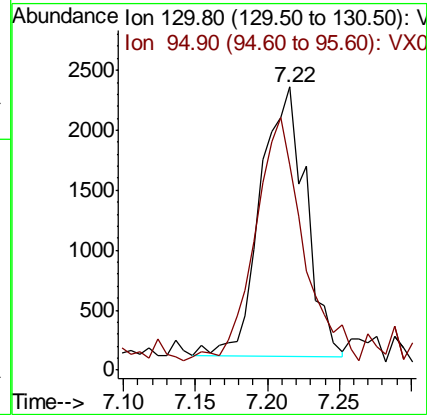
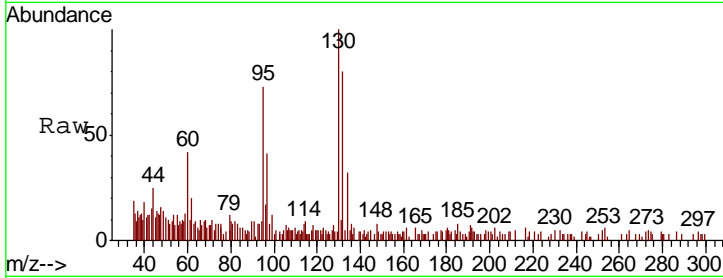


#44

Trichloroethene
 Concen: 0.757 ug/l
 RT: 7.22 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

Instrument :
 MSVOA_X
 ClientSampled :
 994-MW-05-(17)

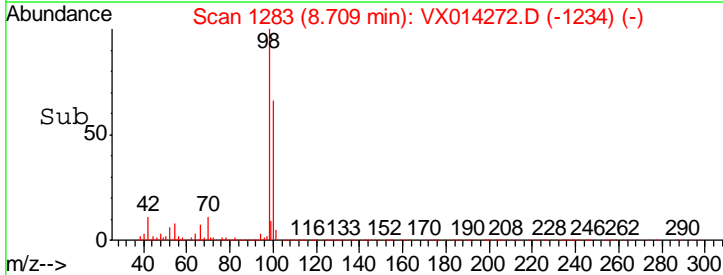
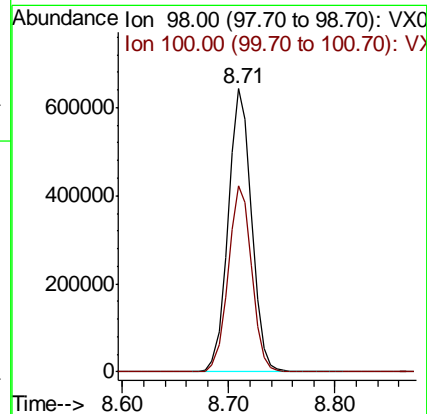
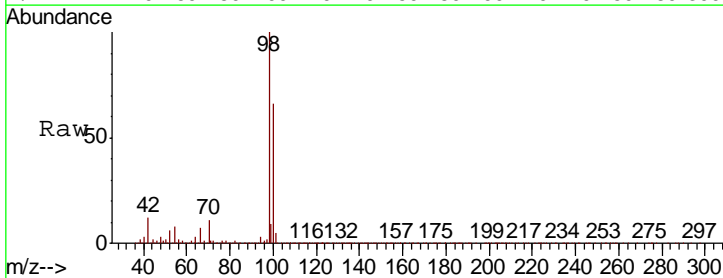
Tgt Ion	Resp	Lower	Upper
130	4907		
95	71.5	0.0	185.6

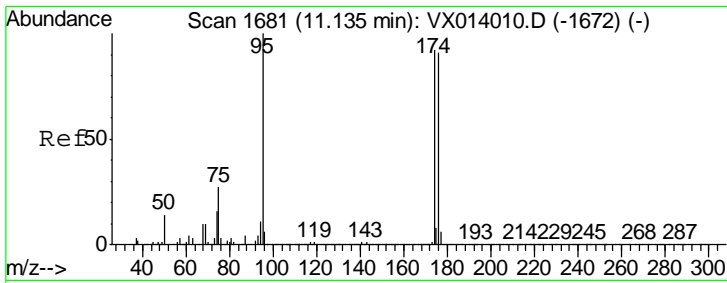


#50

Toluene-d8
 Concen: 50.277 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

Tgt Ion	Resp	Lower	Upper
98	988677		
100	65.8	52.9	79.3

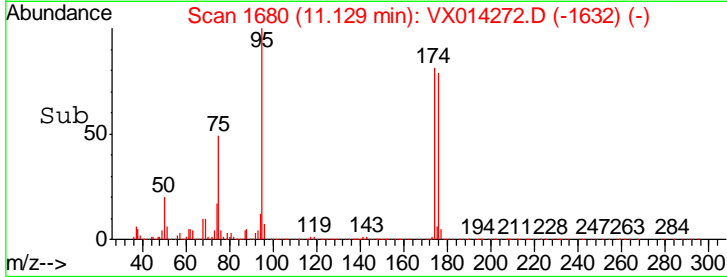
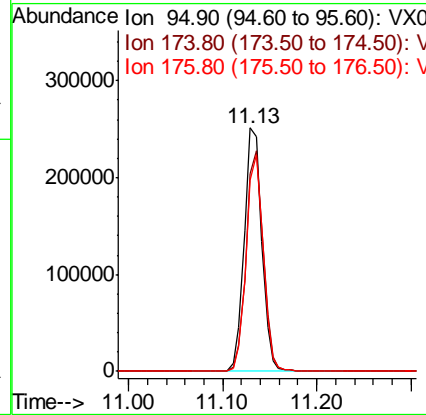
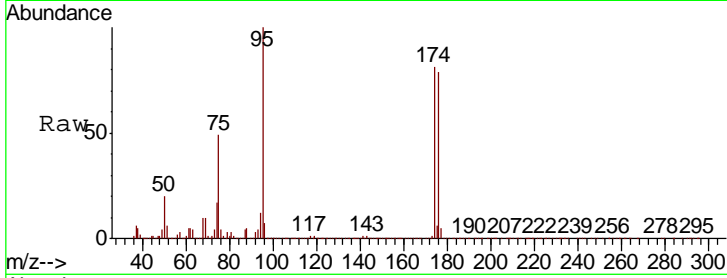




#62
 4-Bromofluorobenzene
 Concen: 45.486 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

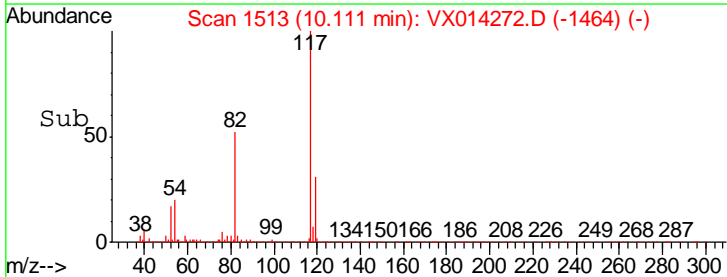
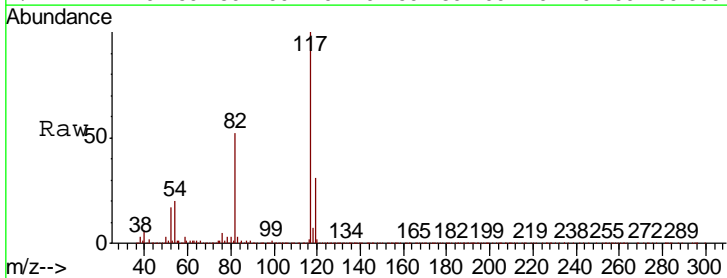
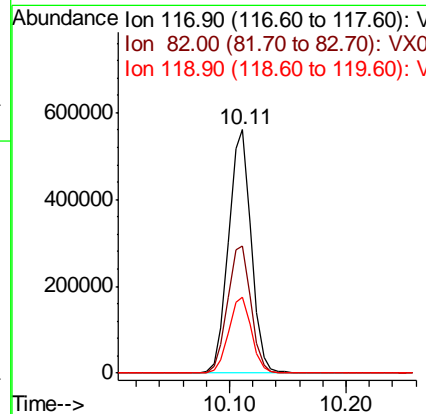
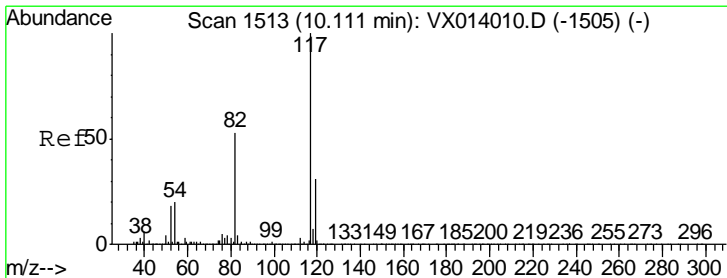
Instrument : MSVOA_X
 Client Sampled : 994-MW-05-(17)

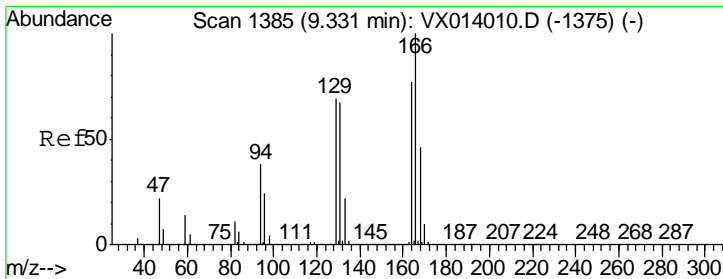
Tgt Ion	Resp	Lower	Upper
95	100		
174	88.5	0.0	175.8
176	86.8	0.0	173.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

Tgt Ion	Resp	Lower	Upper
117	100		
82	52.2	42.2	63.4
119	31.0	25.1	37.7

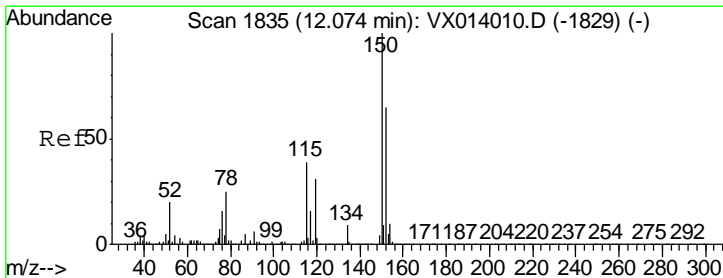
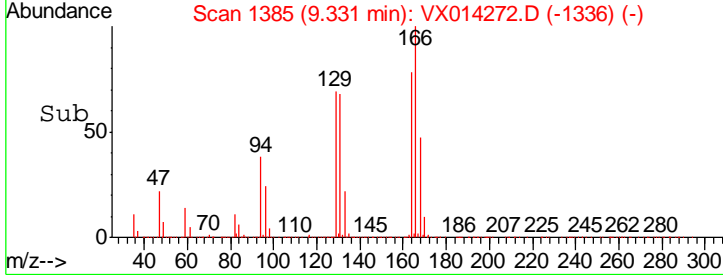
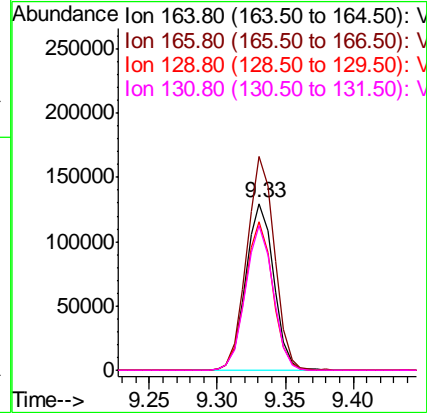
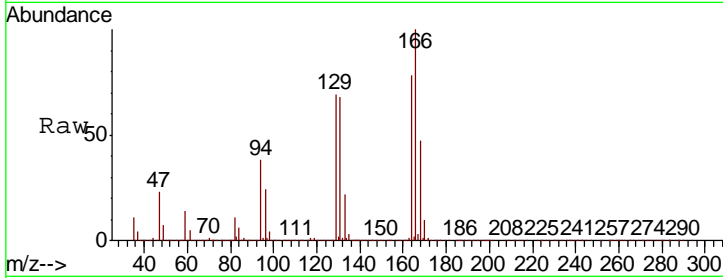




#64
 Tetrachloroethene
 Concen: 28.142 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

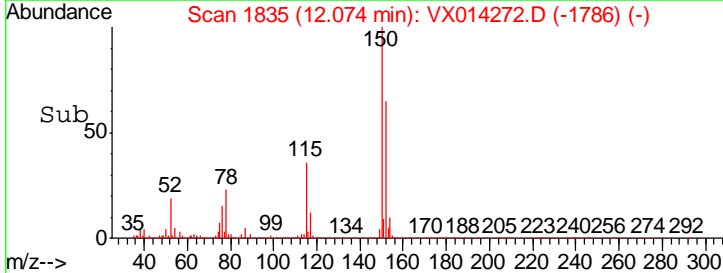
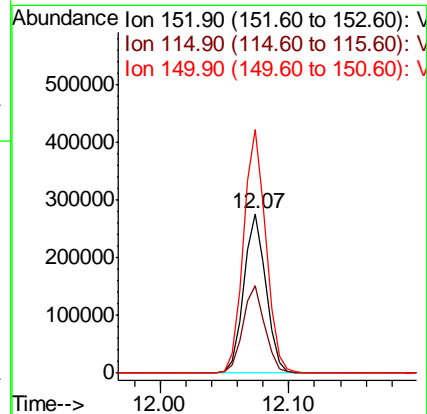
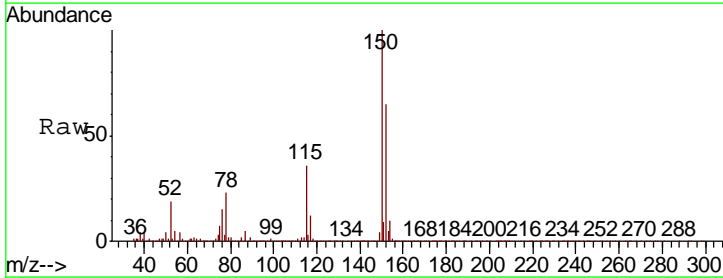
Instrument : MSVOA_X
 ClientSampled : 994-MW-05-(17)

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.9	104.0	156.0
129	88.8	72.2	108.4
131	86.7	69.6	104.4



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014272.D
 Acq: 26 Dec 2019 16:21

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.8	38.3	114.9
150	155.0	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014272.D
 Acq On : 26 Dec 2019 16:21
 Operator : JC/SP
 Sample : K6405-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 994-MW-05-(17)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	40	rBV	1567012	1905994	74.22%	11.515%
2	1.265	59	62	67	rBV	18827	25926	1.01%	0.157%
3	1.594	109	116	119	rBV9	31350	59491	2.32%	0.359%
4	5.490	744	755	768	rBV	282905	803740	31.30%	4.856%
5	5.655	771	782	799	rVB	515127	1447679	56.38%	8.746%
6	6.051	838	847	861	rBV	328604	855653	33.32%	5.169%
7	6.849	967	978	990	rBV	799014	1859469	72.41%	11.233%
8	8.709	1276	1283	1296	rBV	1665298	2567930	100.00%	15.513%
9	9.331	1378	1385	1391	rBV	937479	1336241	52.04%	8.073%
10	10.111	1506	1513	1523	rBV	1588970	2193995	85.44%	13.254%
11	11.129	1675	1680	1690	rVB	1215145	1608011	62.62%	9.714%
12	12.074	1830	1835	1844	rBV	1572594	1888763	73.55%	11.410%

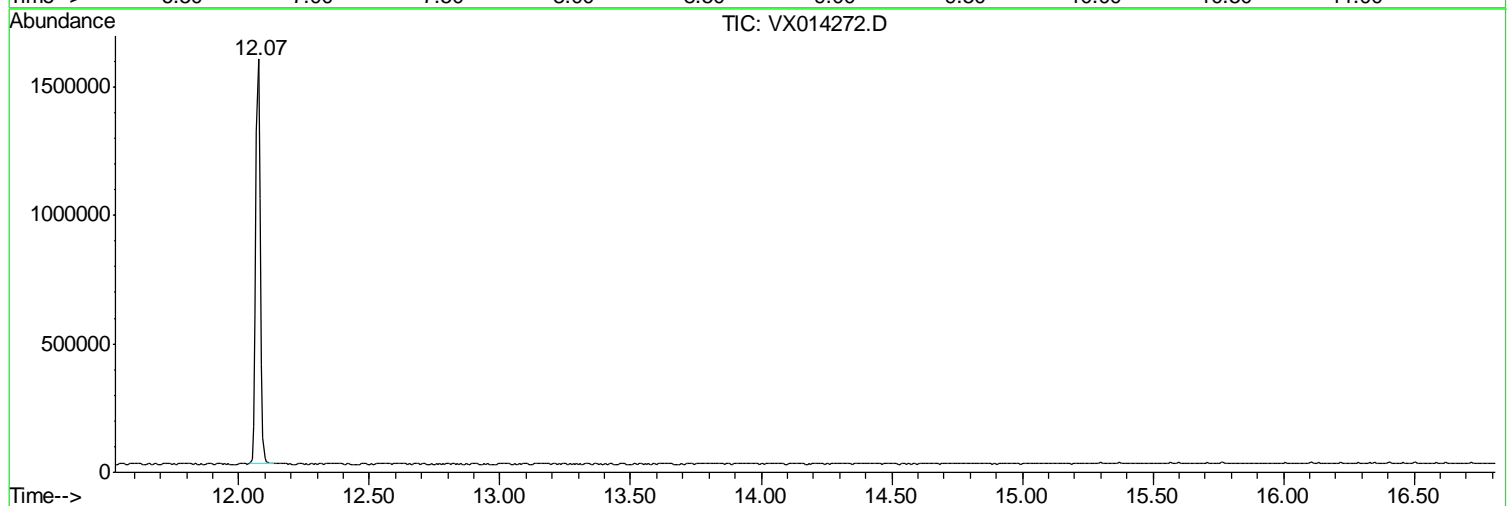
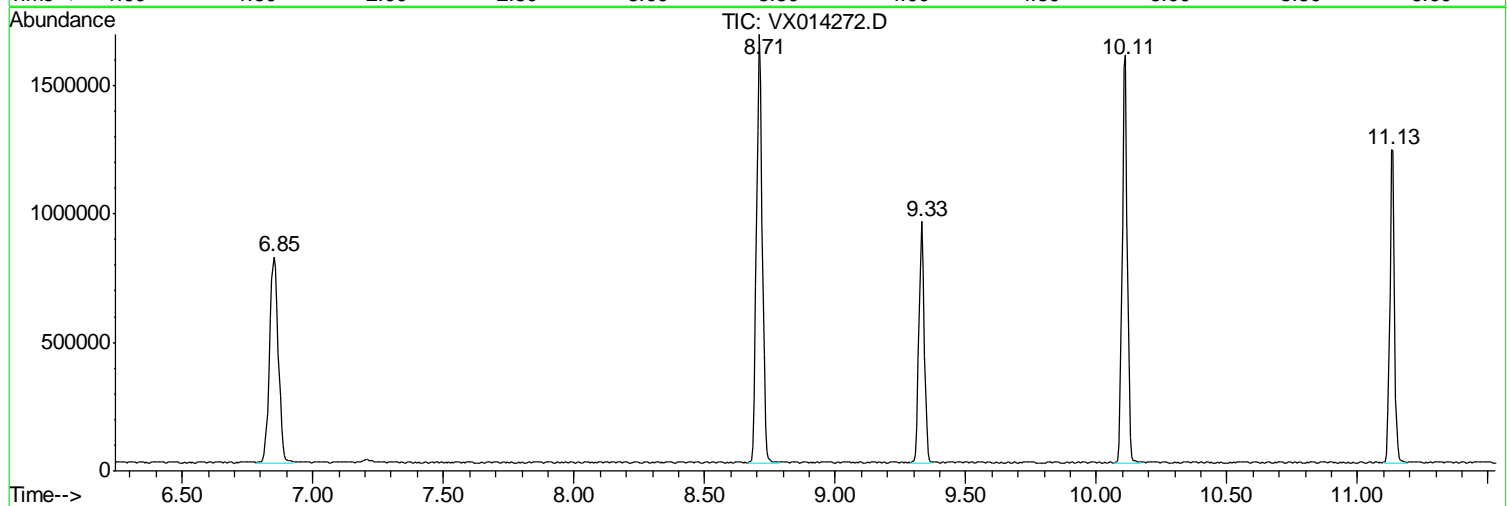
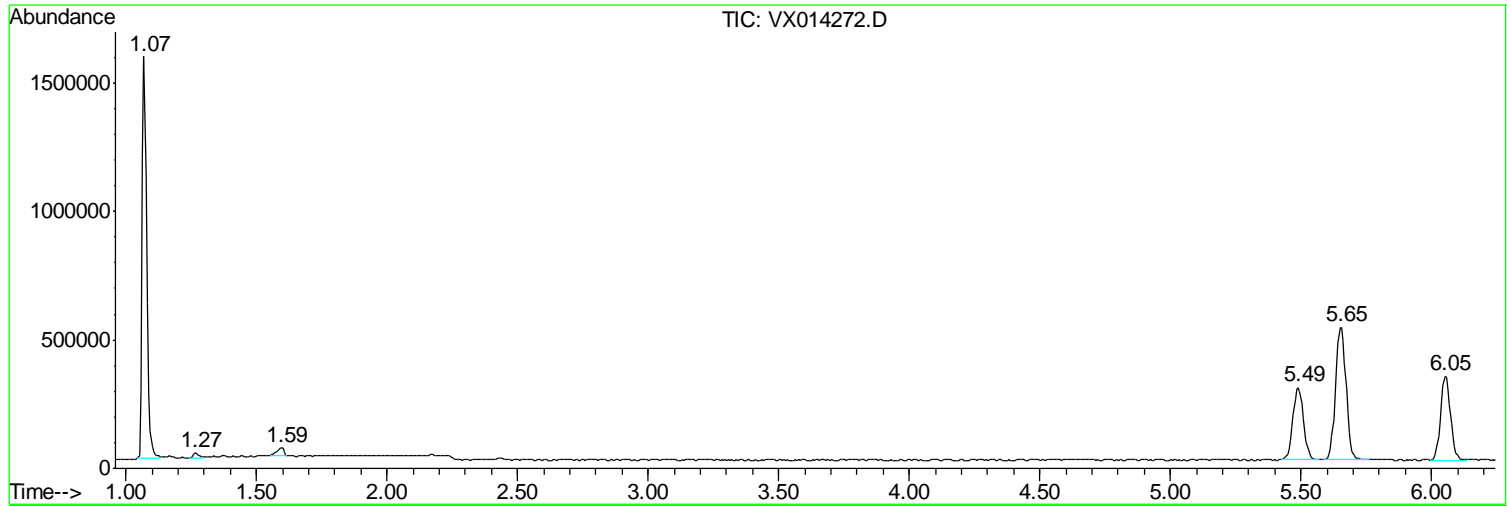
Sum of corrected areas: 16552892

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
Data File : VX014272.D
Acq On : 26 Dec 2019 16:21
Operator : JC/SP
Sample : K6405-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
994-MW-05-(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
Data File : VX014272.D
Acq On : 26 Dec 2019 16:21
Operator : JC/SP
Sample : K6405-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
994-MW-05-(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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- 15
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014272.D
 Acq On : 26 Dec 2019 16:21
 Operator : JC/SP
 Sample : K6405-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 994-MW-05-(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

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

- 1
- 2
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- 15
- 16



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	995-MW-11-(15)	SDG No.:	K6405
Lab Sample ID:	K6405-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014251.D	1		12/24/19 17:35	VX122419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.16	1.00	ug/L
74-83-9	Bromomethane	5.00	U	2.10	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.18	1.00	ug/L
67-64-1	Acetone	3.60	J	0.90	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	4.20		0.30	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.31	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.17	1.00	ug/L
71-43-2	Benzene	1.00	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	7.30		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.85	5.00	ug/L
108-88-3	Toluene	1.00	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014251.D
 Acq On : 24 Dec 2019 17:35
 Operator : JC/SP
 Sample : K6405-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 995-MW-11-(15)

Quant Time: Dec 25 07:48:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

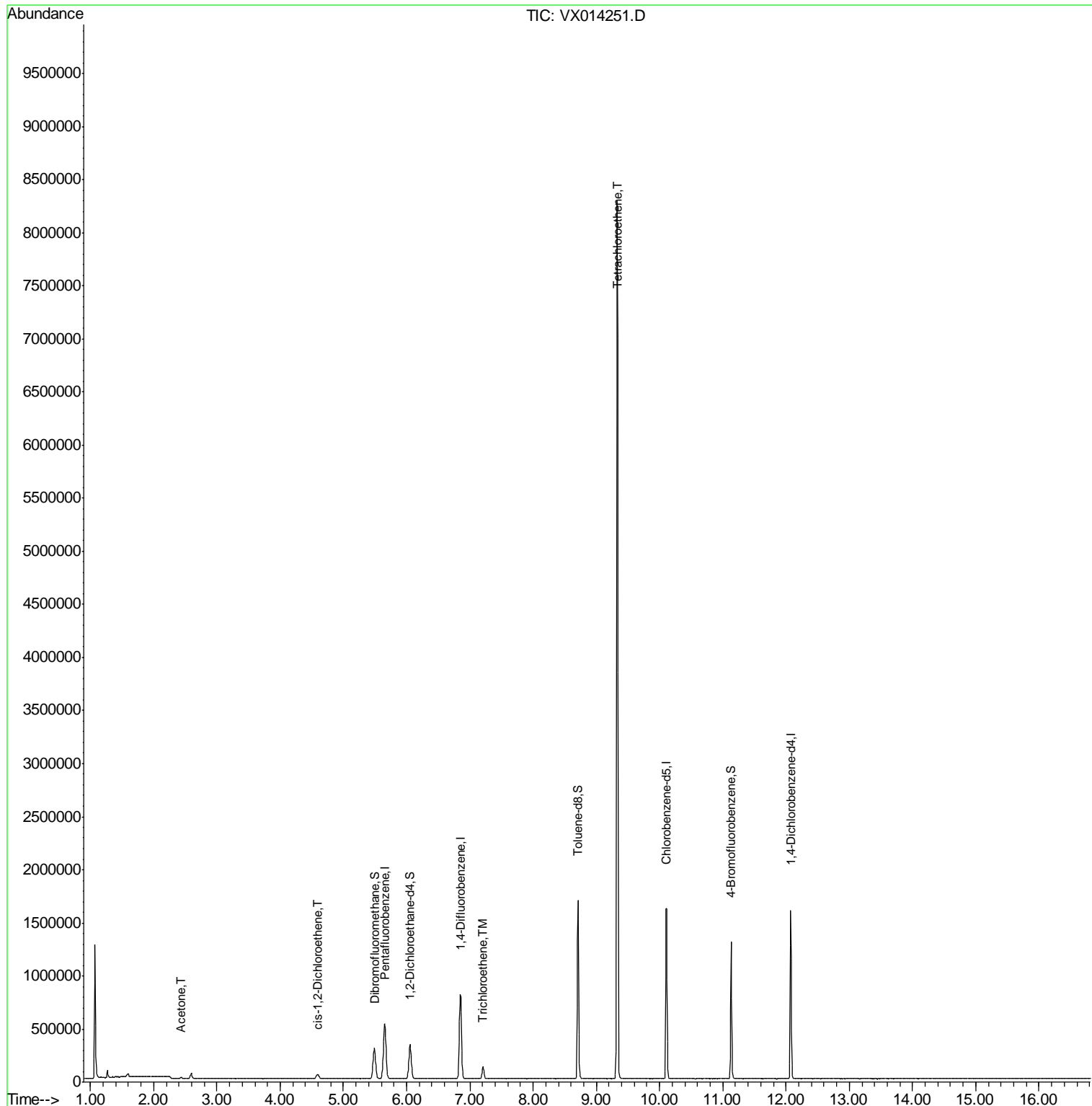
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	538402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	828843	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	759077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	334150	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	300316	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	5.49	113	247836	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	8.71	98	992016	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.14	95	333814	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
Target Compounds						
16) Acetone	2.43	43	14143	3.570	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	27056	4.193	ug/l	93
44) Trichloroethene	7.21	130	47056	7.281	ug/l	90
64) Tetrachloroethene	9.33	164	1620509	241.259	ug/l	99

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

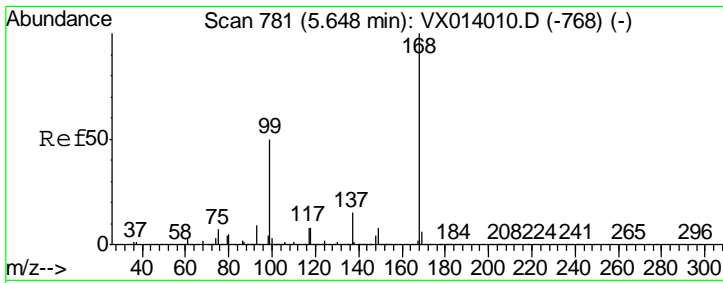
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 Data File : VX014251.D
 Acq On : 24 Dec 2019 17:35
 Operator : JC/SP
 Sample : K6405-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 995-MW-11-(15)

Quant Time: Dec 25 07:48:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



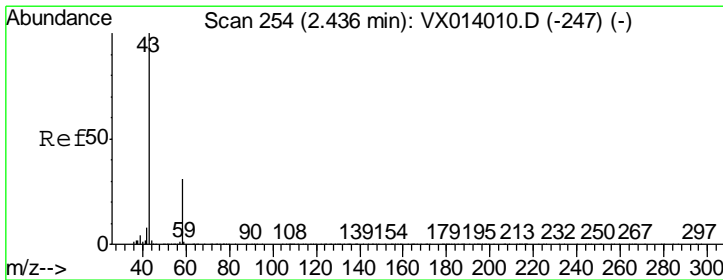
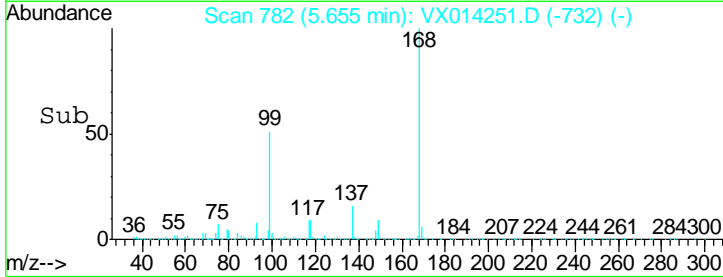
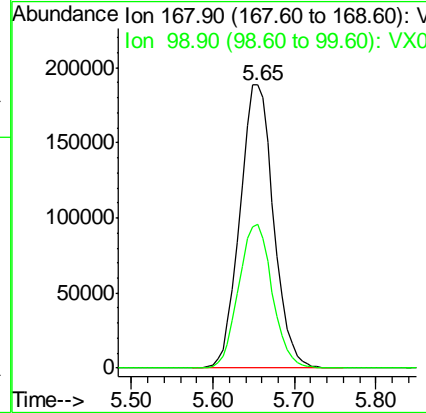
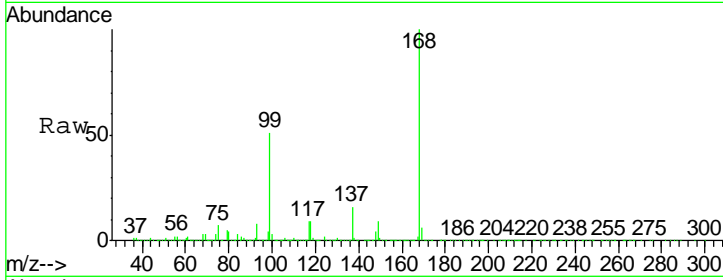
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

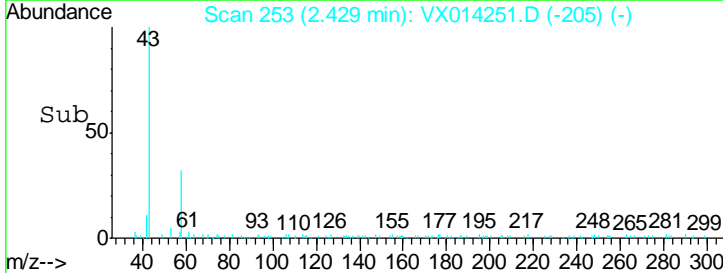
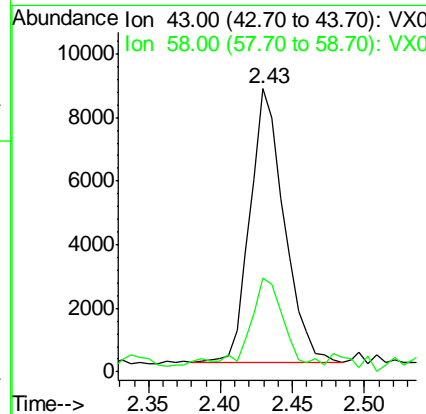
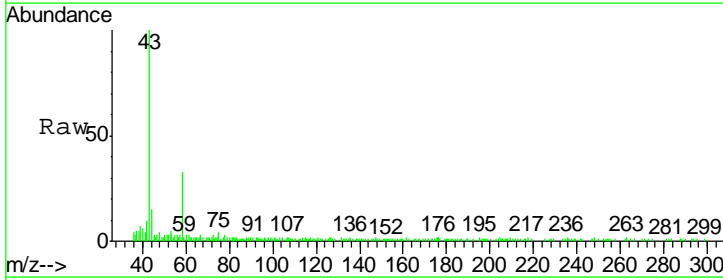
Instrument : MSVOA_X
 ClientSampled : 995-MW-11-(15)

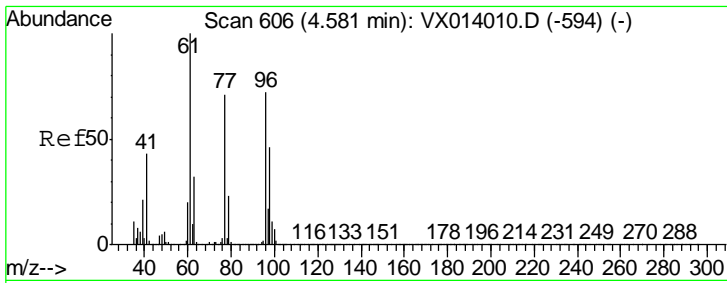
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.9	40.3	60.5



#16
 Acetone
 Concen: 3.570 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.3	24.9	37.3

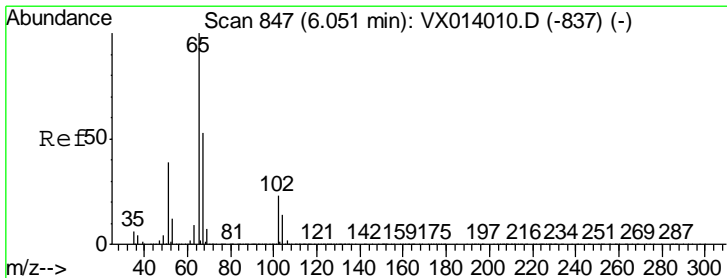
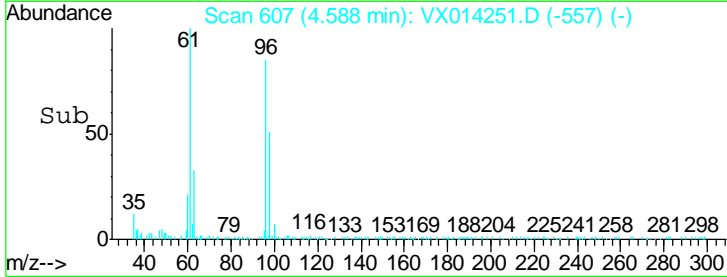
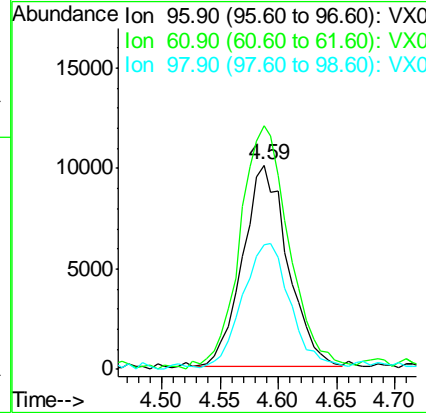
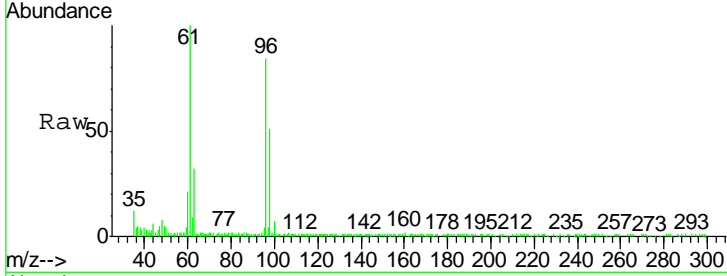




#27
 cis-1,2-Dichloroethene
 Concen: 4.193 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

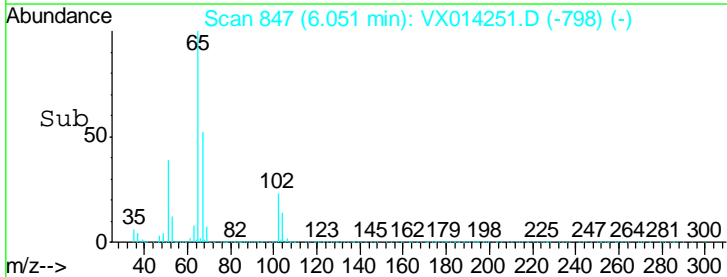
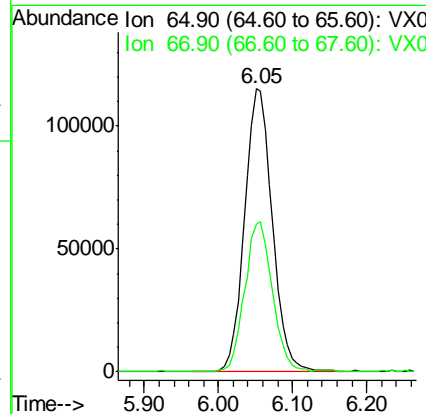
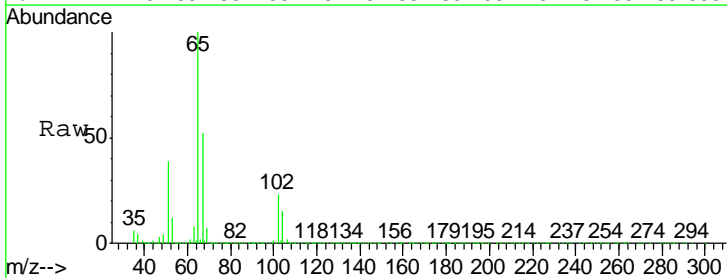
Instrument : MSVOA_X
 ClientSampleId : 995-MW-11-(15)

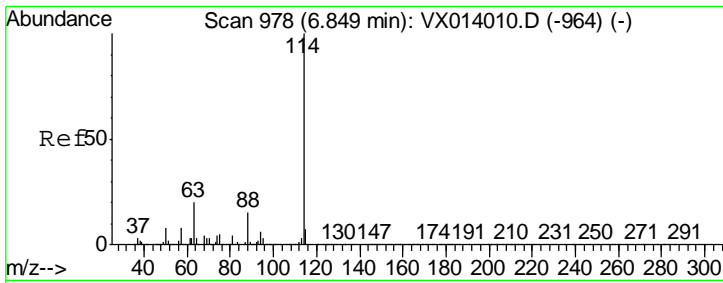
Tgt Ion	Resp	Lower	Upper
96	27056		
61	132.6	0.0	288.4
98	64.6	0.0	129.6



#33
 1,2-Dichloroethane-d4
 Concen: 49.216 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

Tgt Ion	Resp	Lower	Upper
65	300316		
67	53.2	0.0	106.4

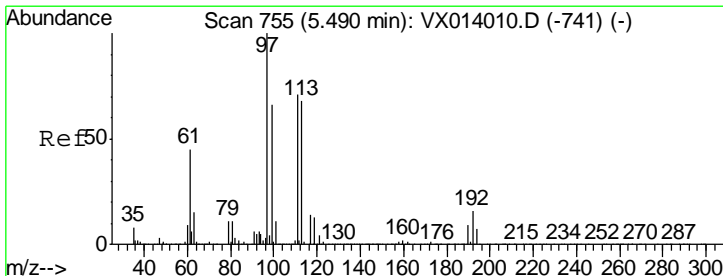
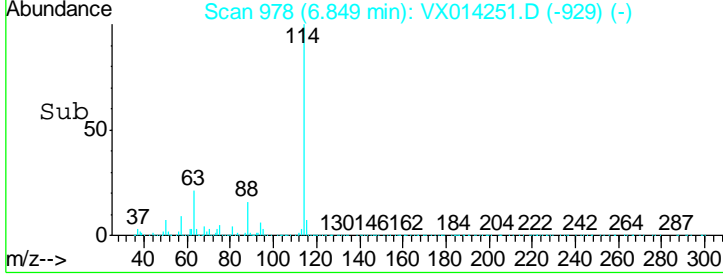
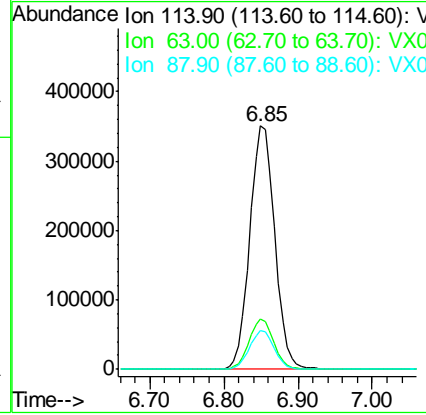
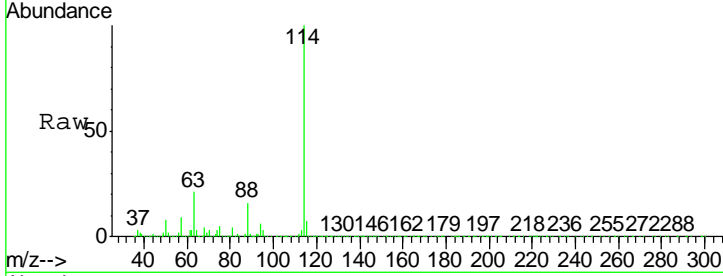




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

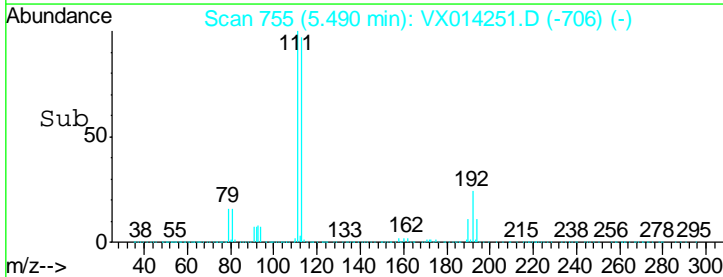
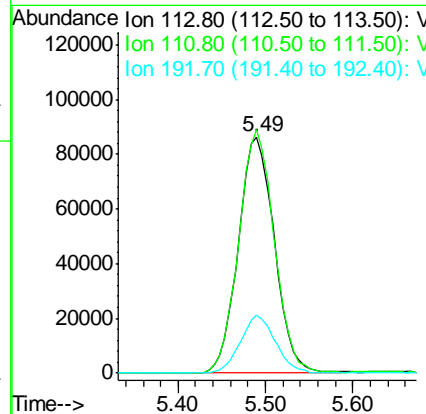
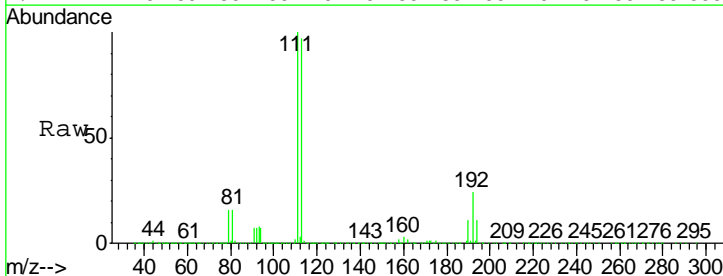
Instrument : MSVOA_X
 ClientSampleId : 995-MW-11-(15)

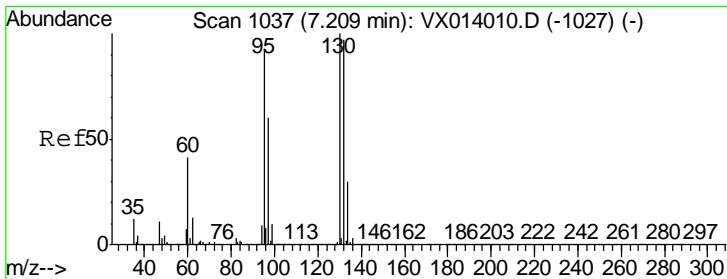
Tgt Ion	Resp	Lower	Upper
114	828843		
63	20.4	0.0	40.8
88	15.9	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 49.189 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

Tgt Ion	Resp	Lower	Upper
113	247836		
111	101.2	82.0	123.0
192	23.9	19.3	28.9

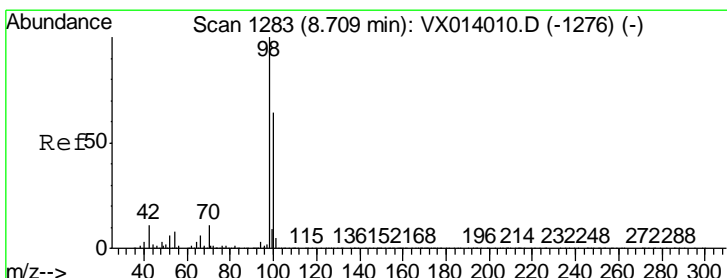
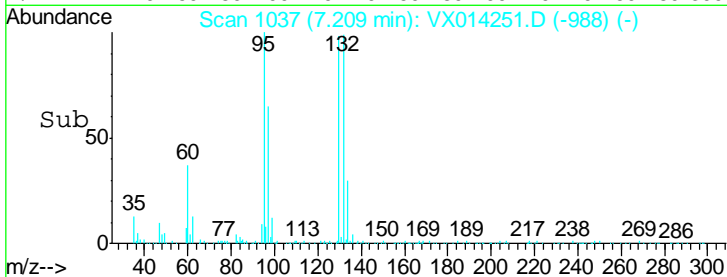
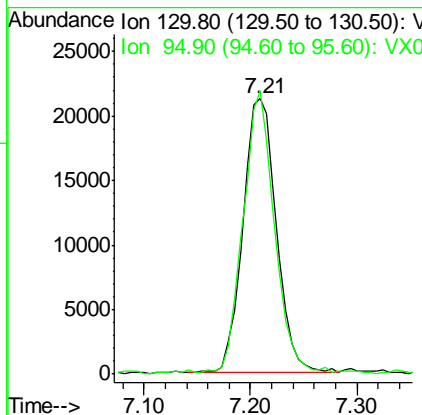
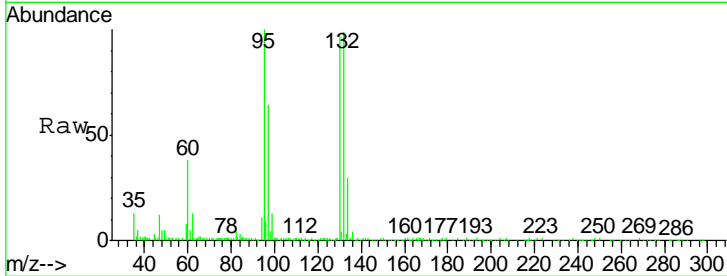




#44
 Trichloroethene
 Concen: 7.281 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

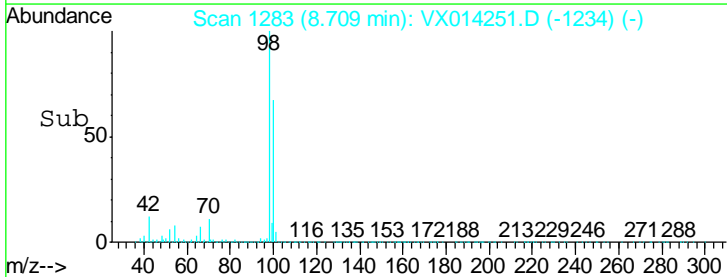
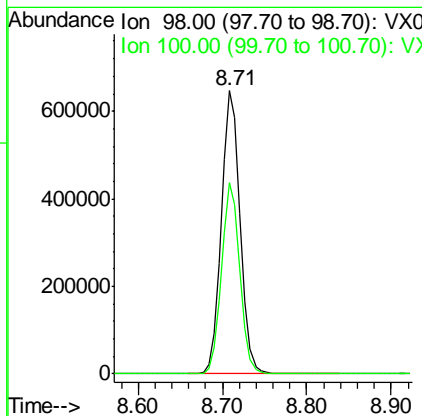
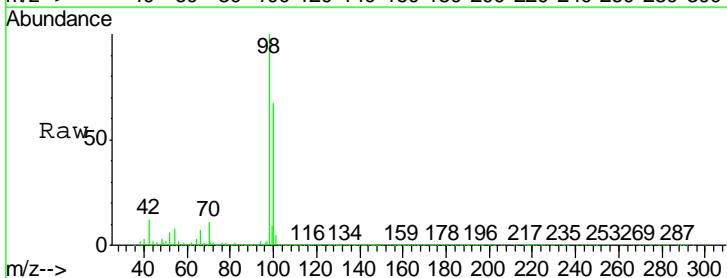
Instrument : MSVOA_X
 Client Sampled : 995-MW-11-(15)

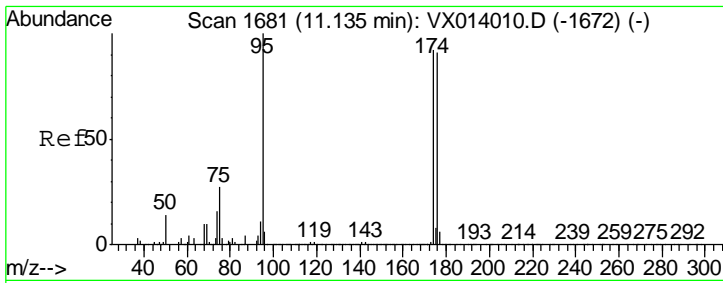
Tgt Ion	Resp	Lower	Upper
130	47056		
95	102.2	0.0	185.6



#50
 Toluene-d8
 Concen: 50.572 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

Tgt Ion	Resp	Lower	Upper
98	992016		
100	65.8	52.9	79.3

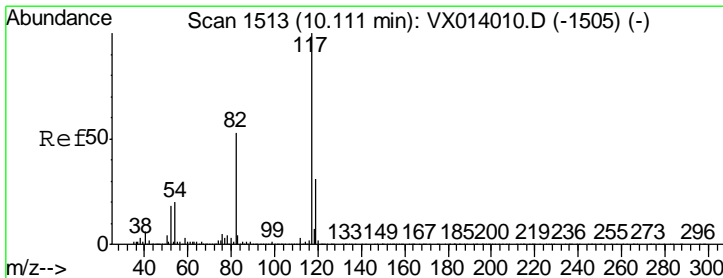
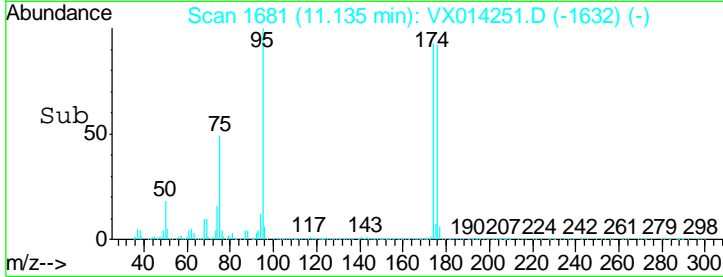
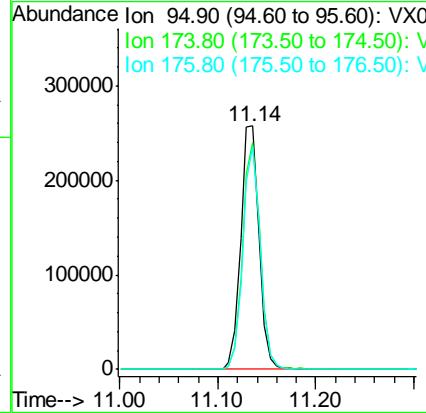
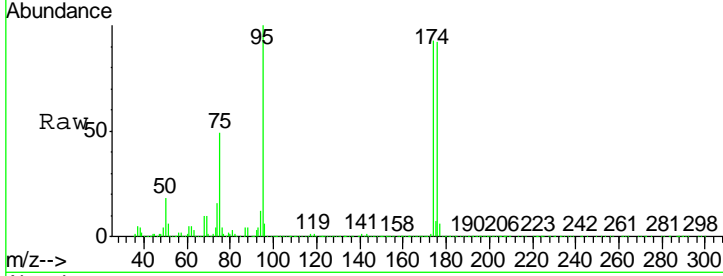




#62
 4-Bromofluorobenzene
 Concen: 46.554 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

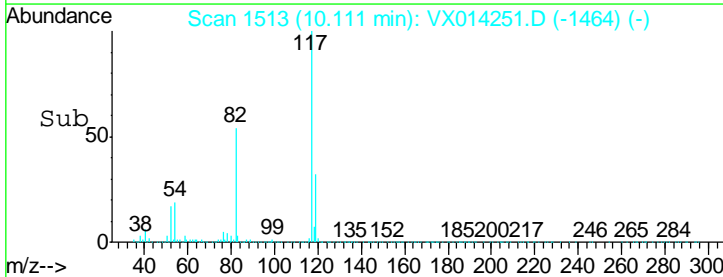
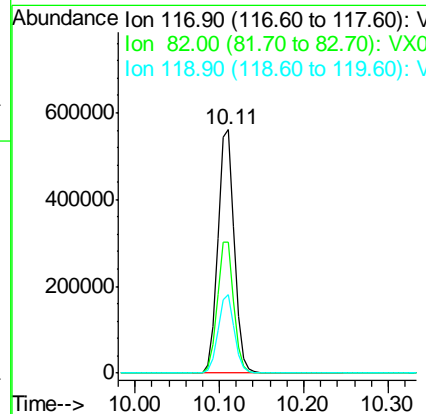
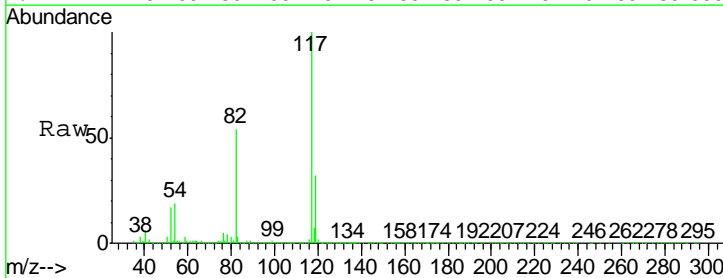
Instrument : MSVOA_X
 Client Sampled : 995-MW-11-(15)

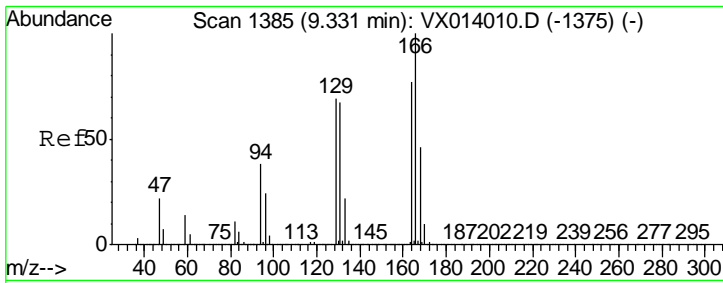
Tgt Ion	Resp	Lower	Upper
95	333814		
174	89.6	0.0	175.8
176	86.8	0.0	173.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

Tgt Ion	Resp	Lower	Upper
117	759077		
82	53.6	42.2	63.4
119	32.0	25.1	37.7

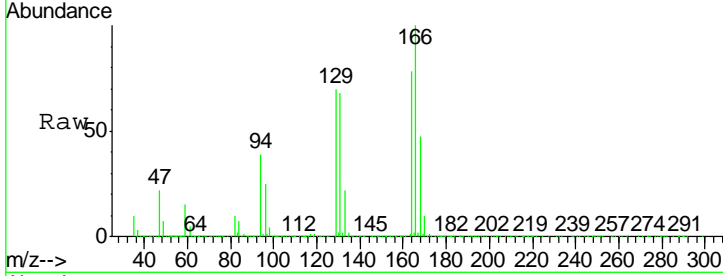




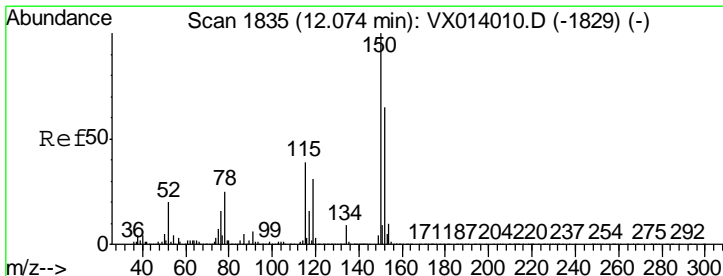
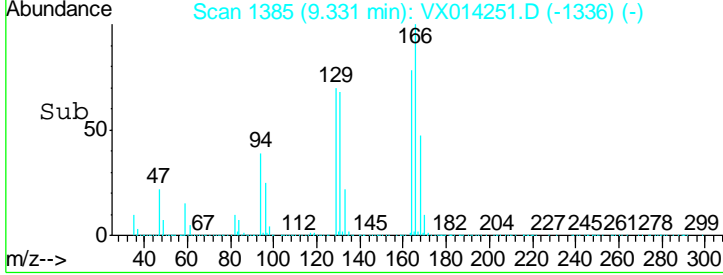
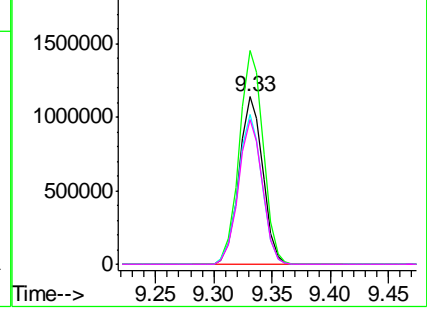
#64
 Tetrachloroethene
 Concen: 241.259 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

Instrument : MSVOA_X
 ClientSampled : 995-MW-11-(15)

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.7	104.0	156.0
129	89.2	72.2	108.4
131	86.8	69.6	104.4

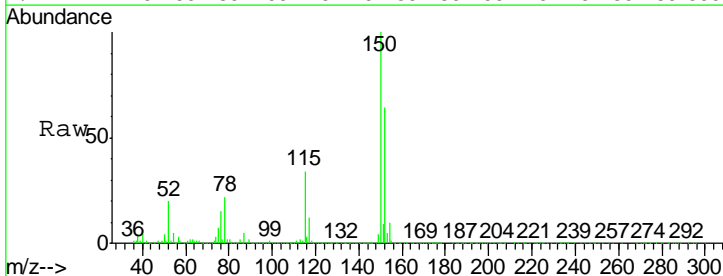


Abundance Ion 163.80 (163.50 to 164.50): V
 Ion 165.80 (165.50 to 166.50): V
 Ion 128.80 (128.50 to 129.50): V
 Ion 130.80 (130.50 to 131.50): V

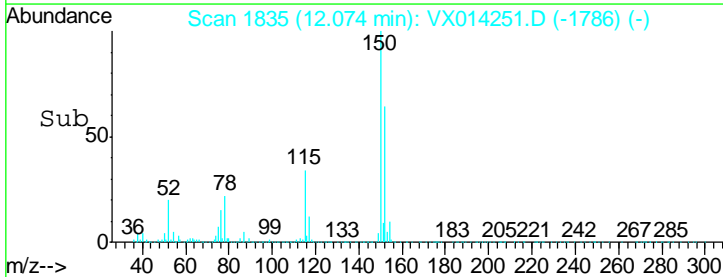
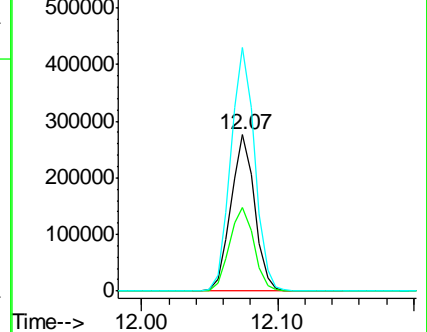


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014251.D
 Acq: 24 Dec 2019 17:35

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.0	38.3	114.9
150	157.3	0.0	345.4



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014251.D
 Acq On : 24 Dec 2019 17:35
 Operator : JC/SP
 Sample : K6405-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 995-MW-11-(15)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	44	rBV	1256514	1526745	12.98%	5.687%
2	5.490	745	755	767	rBV	284972	807970	6.87%	3.010%
3	5.655	771	782	795	rVB	511440	1442487	12.27%	5.373%
4	6.051	838	847	861	rBV	326904	855096	7.27%	3.185%
5	6.849	967	978	988	rBV	793087	1848313	15.72%	6.885%
6	7.209	1030	1037	1045	rBV2	113725	239026	2.03%	0.890%
7	8.709	1275	1283	1292	rBV	1677891	2574666	21.90%	9.591%
8	9.331	1378	1385	1399	rBV	8270921	11757824	100.00%	43.799%
9	10.105	1507	1512	1523	rBV	1603878	2194992	18.67%	8.176%
10	11.135	1675	1681	1691	rBV	1288001	1649401	14.03%	6.144%
11	12.074	1830	1835	1843	rBV	1586041	1948671	16.57%	7.259%

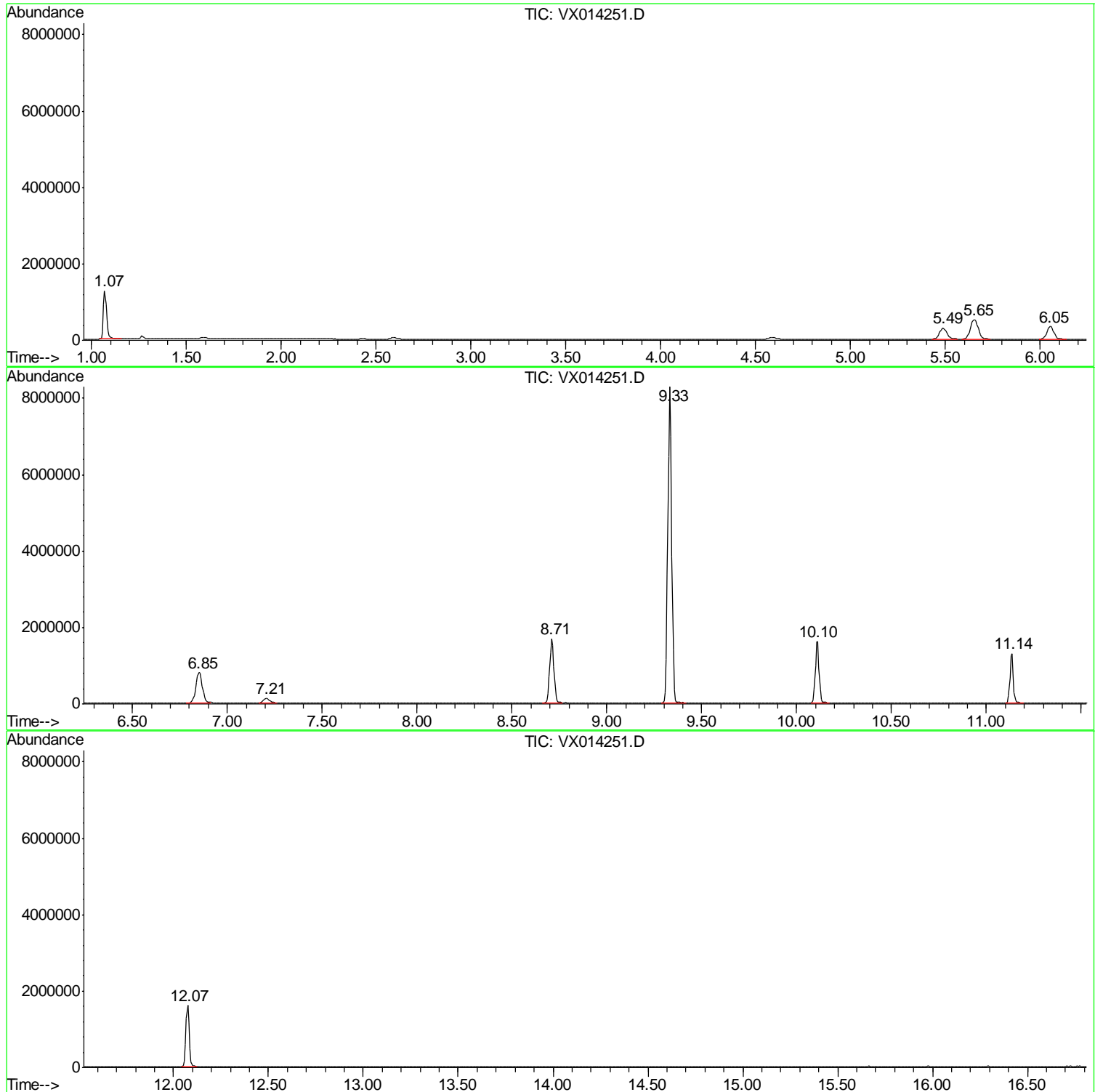
Sum of corrected areas: 26845191

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
Data File : VX014251.D
Acq On : 24 Dec 2019 17:35
Operator : JC/SP
Sample : K6405-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
995-MW-11-(15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
Data File : VX014251.D
Acq On : 24 Dec 2019 17:35
Operator : JC/SP
Sample : K6405-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
995-MW-11-(15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

- 1
- 2
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- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX122419\
 Data File : VX014251.D
 Acq On : 24 Dec 2019 17:35
 Operator : JC/SP
 Sample : K6405-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 995-MW-11-(15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

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

- 1
- 2
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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	995-MW-11-(15)DL	SDG No.:	K6405
Lab Sample ID:	K6405-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014283.D	5		12/26/19 20:37	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.00	UD	0.61	5.00	ug/L
591-78-6	2-Hexanone	25.0	UD	6.80	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	0.78	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	0.69	5.00	ug/L
127-18-4	Tetrachloroethene	220	D	0.77	5.00	ug/L
108-90-7	Chlorobenzene	5.00	UD	0.38	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	UD	0.41	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	0.98	10.0	ug/L
95-47-6	o-Xylene	5.00	UD	0.65	5.00	ug/L
100-42-5	Styrene	5.00	UD	0.53	5.00	ug/L
75-25-2	Bromoform	5.00	UD	0.75	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	UD	0.66	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	0.76	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	0.70	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	1.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	0.60	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	UD	2.70	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	1.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	UD	1.30	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		61 - 141	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		69 - 133	100%	SPK: 50
2037-26-5	Toluene-d8	50.9		65 - 126	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		58 - 135	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	530000	5.65			
540-36-3	1,4-Difluorobenzene	816000	6.85			
3114-55-4	Chlorobenzene-d5	737000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	321000	12.07			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014283.D
 Acq On : 26 Dec 2019 20:37
 Operator : JC/SP
 Sample : K6405-05DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 995-MW-11-(15)DL

Quant Time: Dec 27 07:32:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

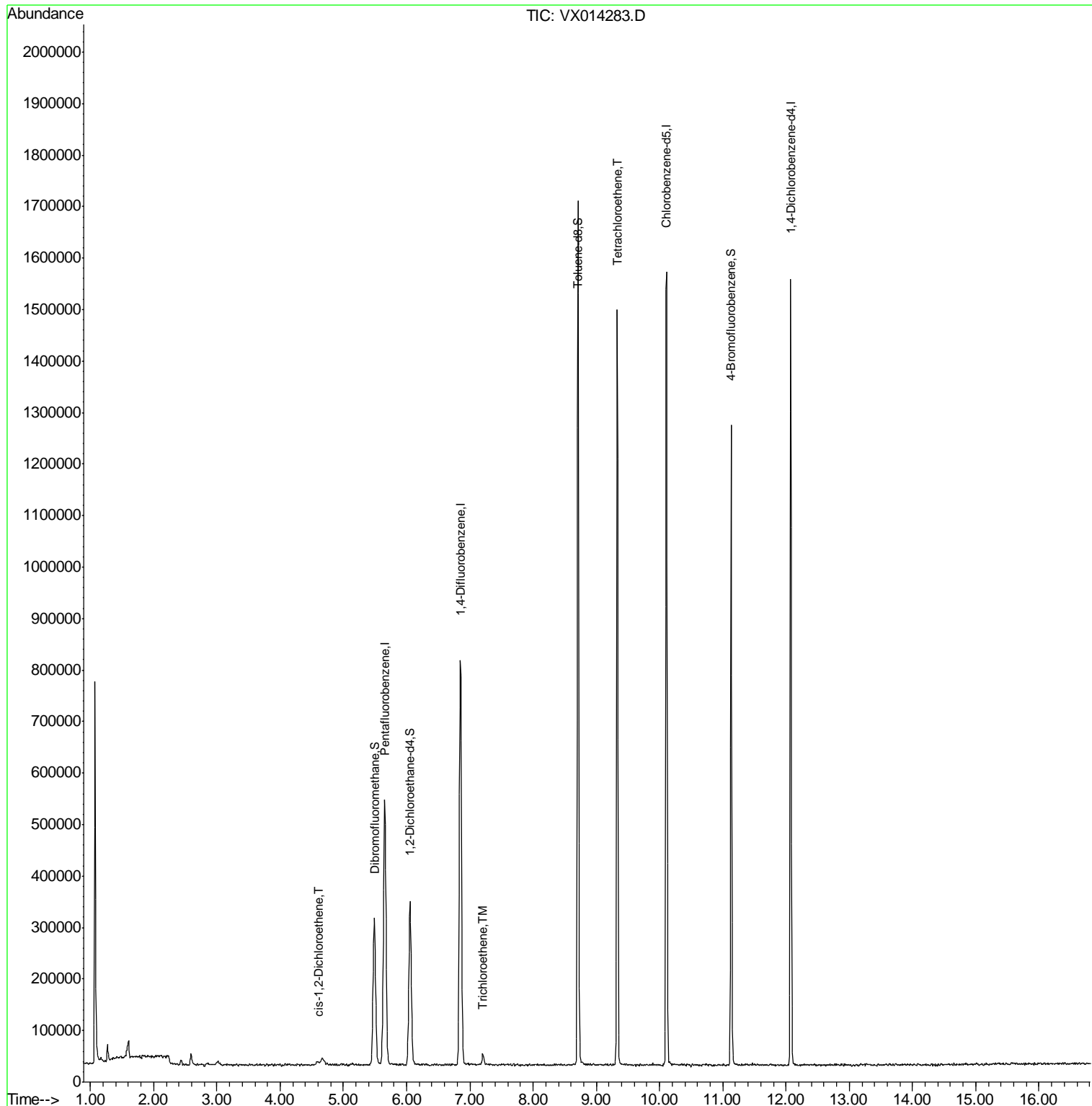
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	530079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	816484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	736656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	320708	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	300079	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	5.49	113	248434	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	8.71	98	982658	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.13	95	329402	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
Target Compounds						
27) cis-1,2-Dichloroethene	4.59	96	6125	0.964	ug/l	85
44) Trichloroethene	7.21	130	9225	1.449	ug/l	90
64) Tetrachloroethene	9.33	164	282687	43.367	ug/l	98

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

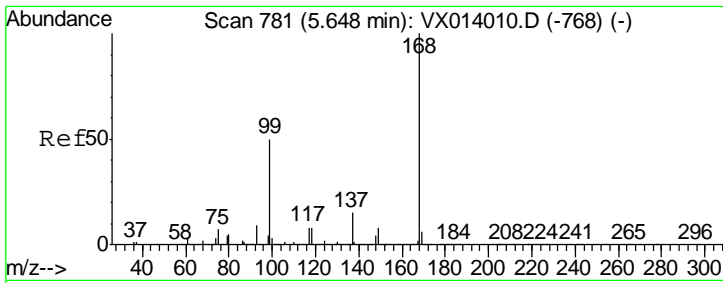
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014283.D
 Acq On : 26 Dec 2019 20:37
 Operator : JC/SP
 Sample : K6405-05DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 995-MW-11-(15)DL

Quant Time: Dec 27 07:32:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



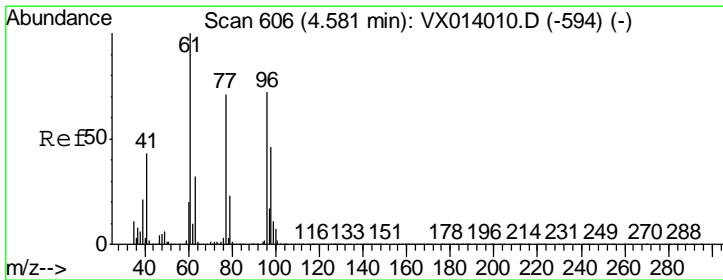
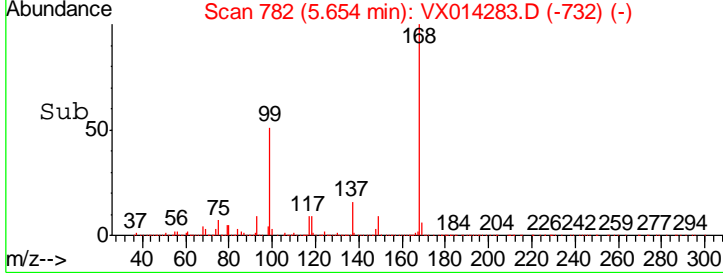
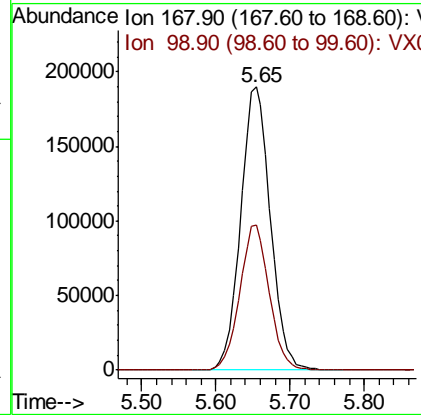
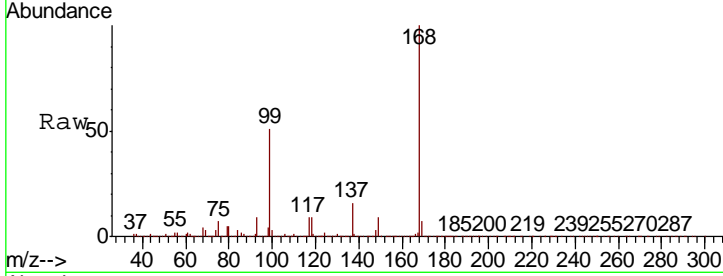
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014283.D
 Acq: 26 Dec 2019 20:37

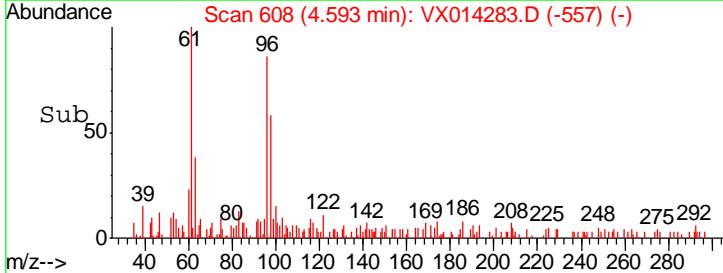
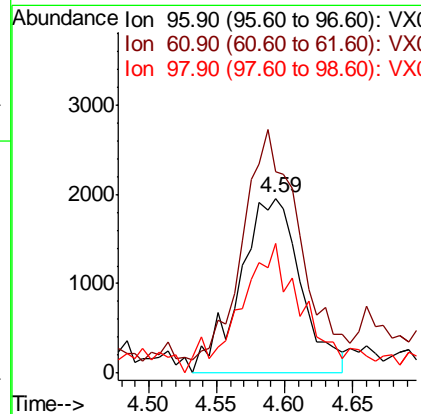
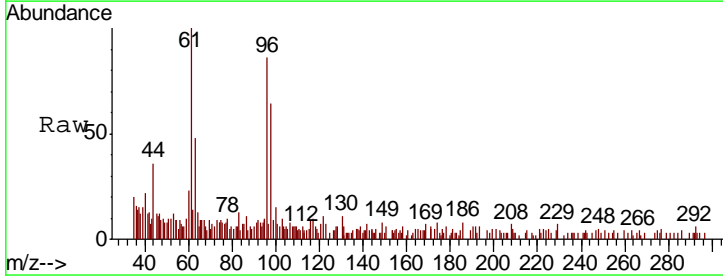
Instrument : MSVOA_X
 ClientSampled : 995-MW-11-(15)DL

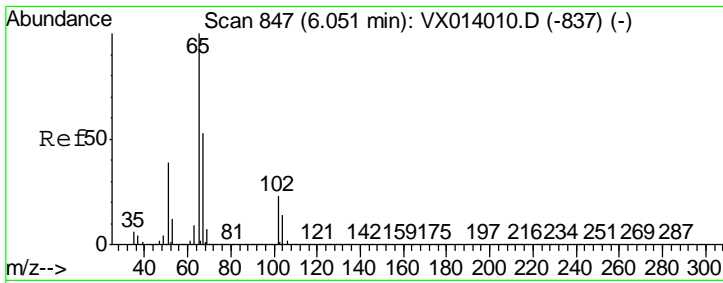
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.0	40.3	60.5



#27
 cis-1,2-Dichloroethene
 Concen: 0.964 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX014283.D
 Acq: 26 Dec 2019 20:37

Tgt Ion	Resp	Lower	Upper
96	100		
61	119.6	0.0	288.4
98	60.8	0.0	129.6

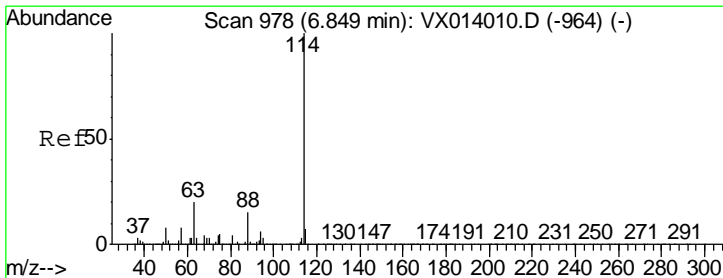
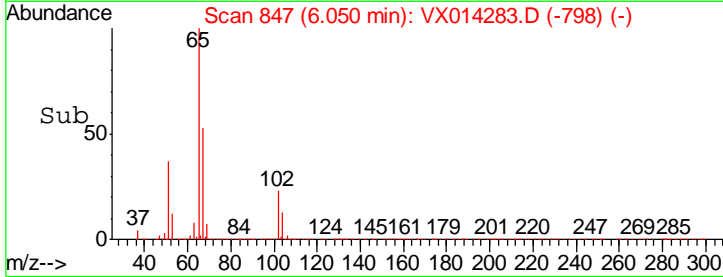
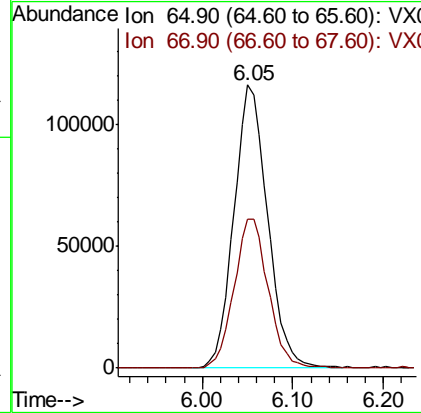
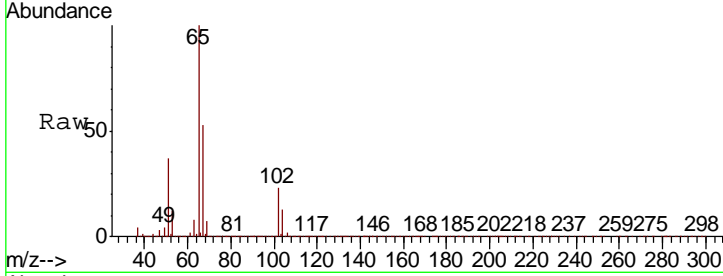




#33
 1,2-Dichloroethane-d4
 Concen: 49.949 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014283.D
 Acq: 26 Dec 2019 20:37

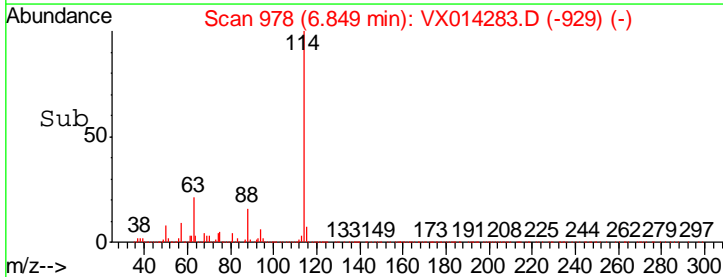
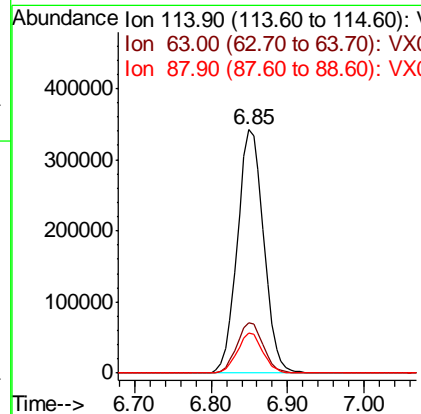
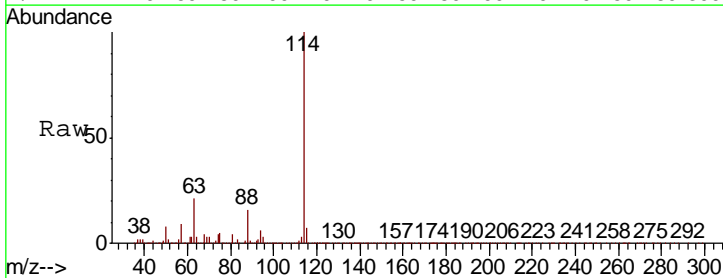
Instrument : MSVOA_X
 Client Sampled : 995-MW-11-(15)DL

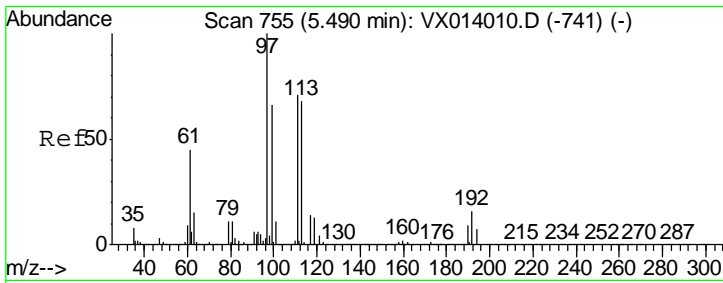
Tgt Ion	Resp	Lower	Upper
65	300079		
67	53.2	0.0	106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014283.D
 Acq: 26 Dec 2019 20:37

Tgt Ion	Resp	Lower	Upper
114	816484		
63	20.6	0.0	40.8
88	16.2	0.0	30.4

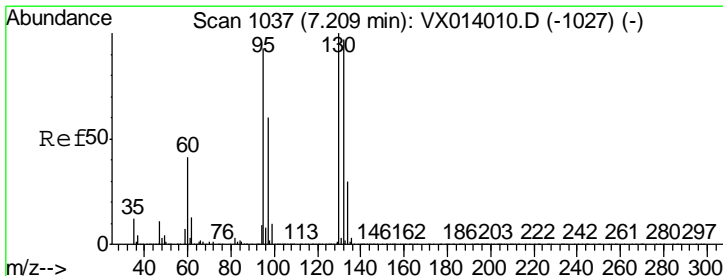
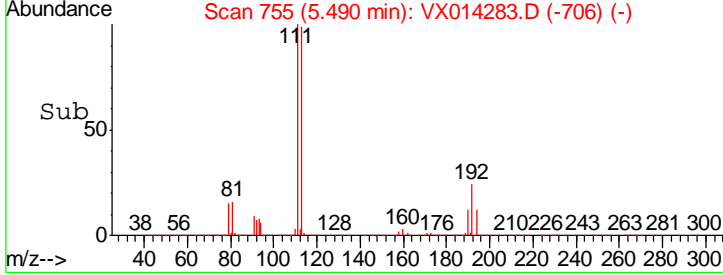
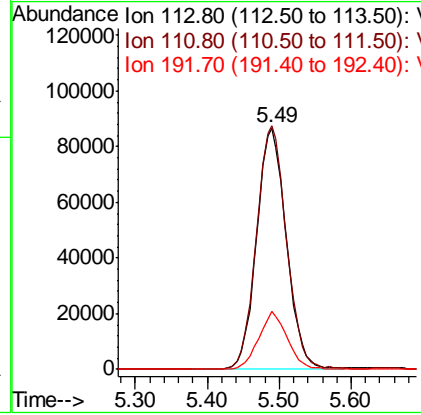
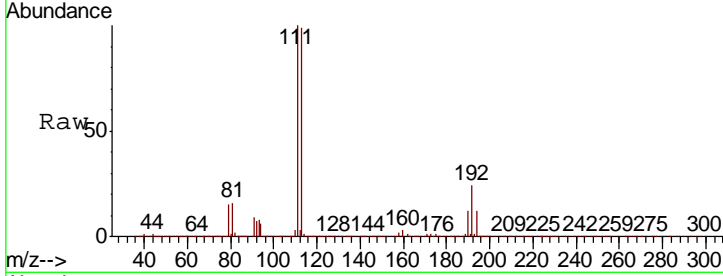




#35
 Dibromofluoromethane
 Concen: 50.054 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014283.D
 Acq: 26 Dec 2019 20:37

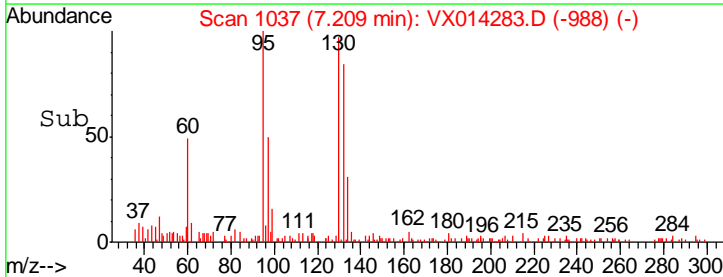
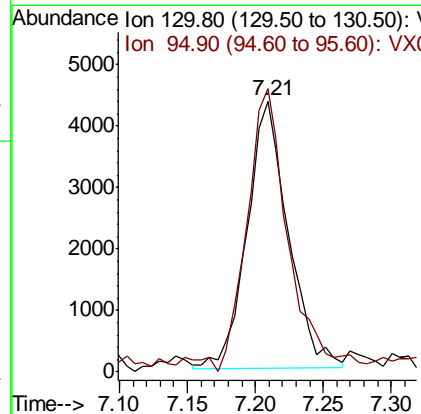
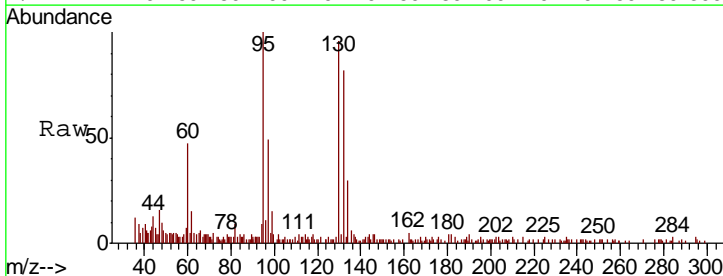
Instrument : MSVOA_X
 ClientSampleId : 995-MW-11-(15)DL

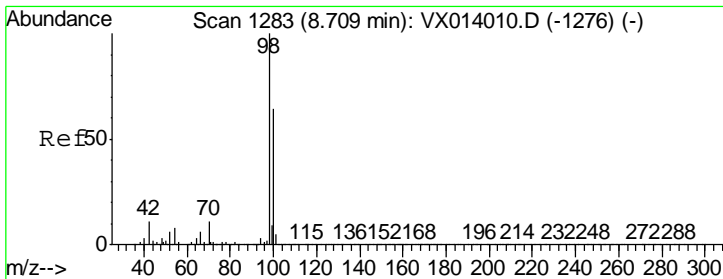
Tgt Ion	Resp	Lower	Upper
113	248434		
111	101.5	82.0	123.0
192	22.8	19.3	28.9



#44
 Trichloroethene
 Concen: 1.449 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX014283.D
 Acq: 26 Dec 2019 20:37

Tgt Ion	Resp	Lower	Upper
130	9225		
130	100		
95	102.6	0.0	185.6

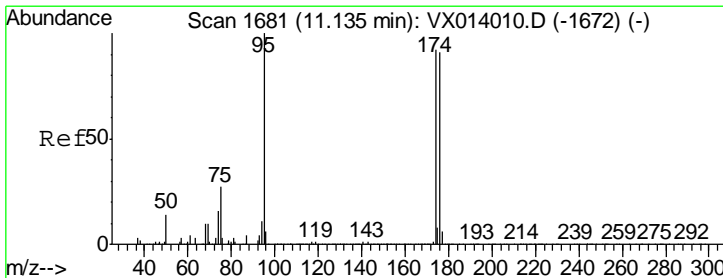
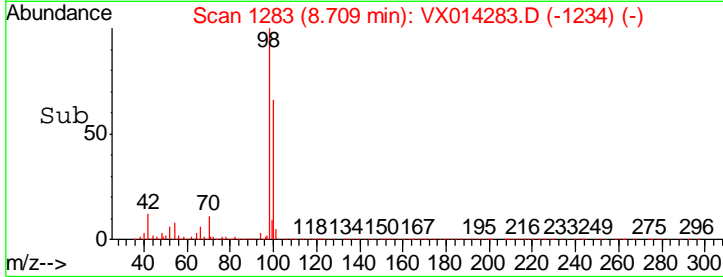
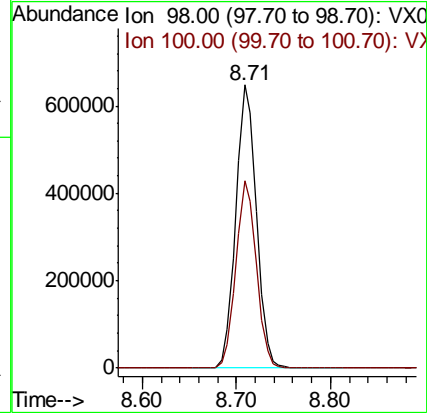
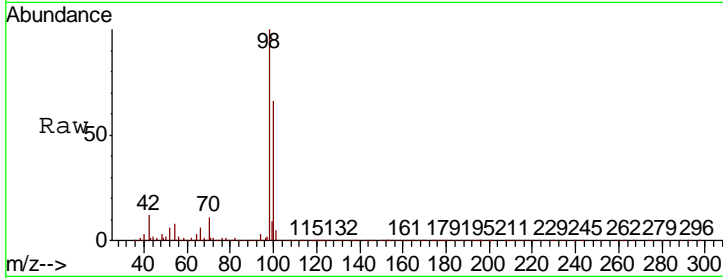




#50
Toluene-d8
Concen: 50.853 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014283.D
Acq: 26 Dec 2019 20:37

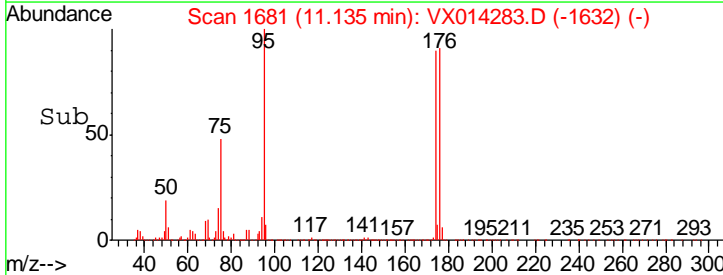
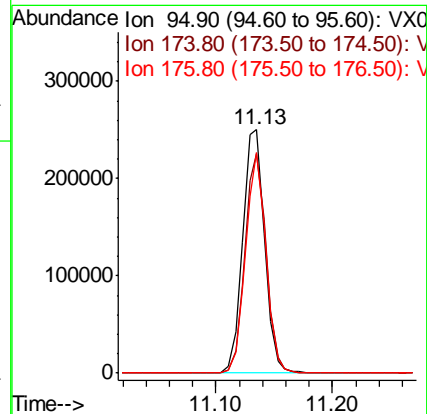
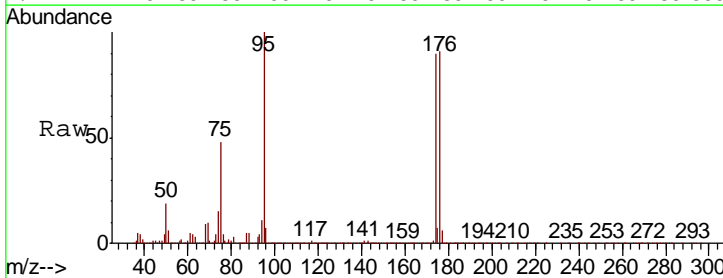
Instrument : MSVOA_X
ClientSampleId : 995-MW-11-(15)DL

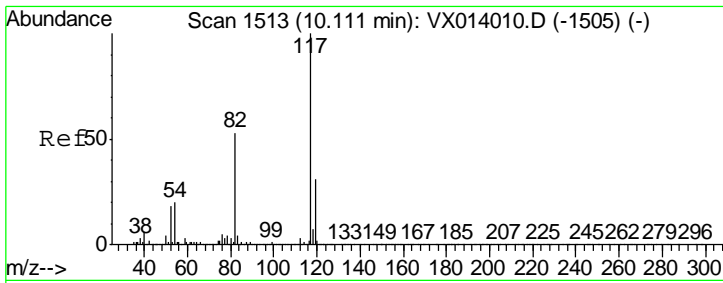
Tgt Ion	Resp	Lower	Upper
98	982658		
100	65.9	52.9	79.3



#62
4-Bromofluorobenzene
Concen: 46.634 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX014283.D
Acq: 26 Dec 2019 20:37

Tgt Ion	Resp	Lower	Upper
95	329402		
174	87.5	0.0	175.8
176	84.5	0.0	173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014283.D

Acq: 26 Dec 2019 20:37

Instrument :

MSVOA_X

ClientSampled :

995-MW-11-(15)DL

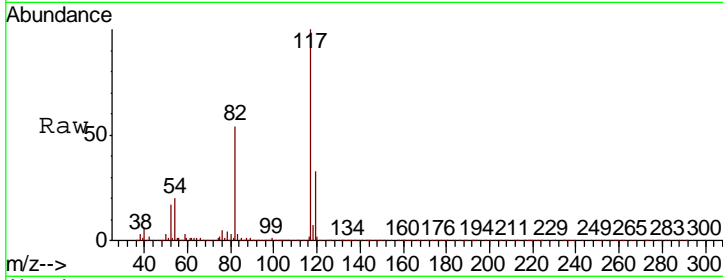
Tgt Ion:117 Resp: 736656

Ion Ratio Lower Upper

117 100

82 54.0 42.2 63.4

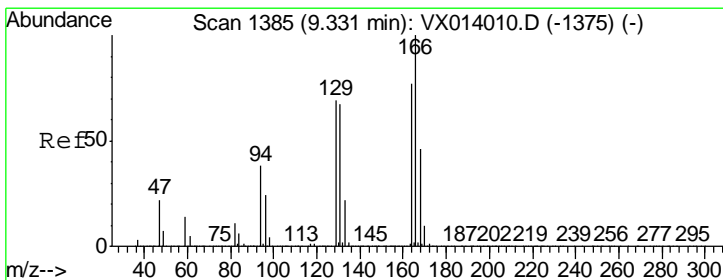
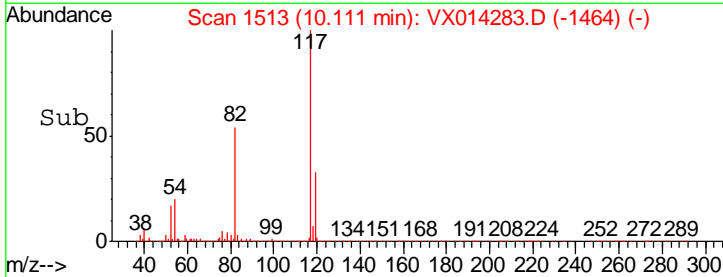
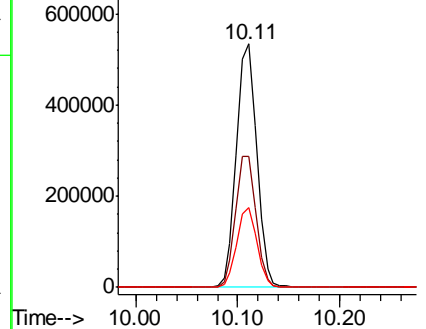
119 33.0 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 43.367 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX014283.D

Acq: 26 Dec 2019 20:37

Tgt Ion:164 Resp: 282687

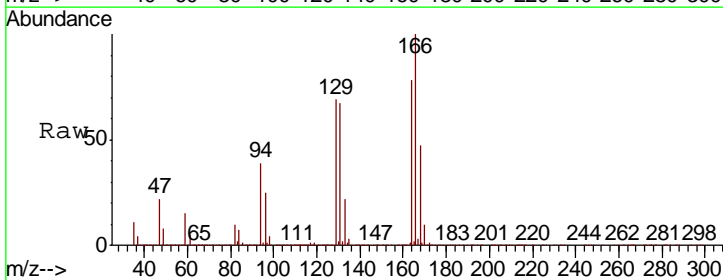
Ion Ratio Lower Upper

164 100

166 128.1 104.0 156.0

129 88.9 72.2 108.4

131 85.6 69.6 104.4

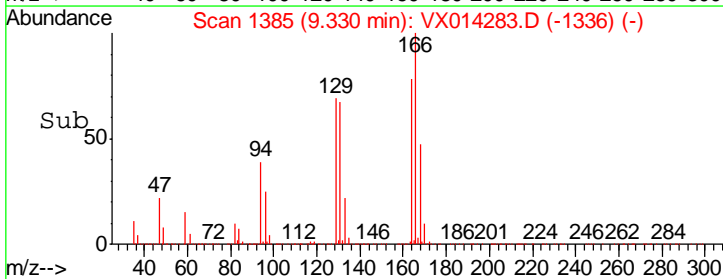
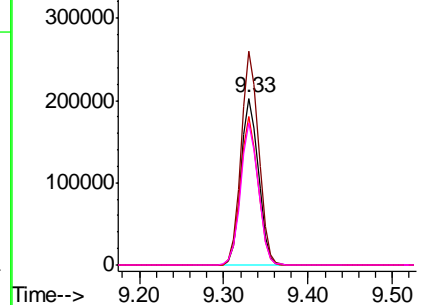


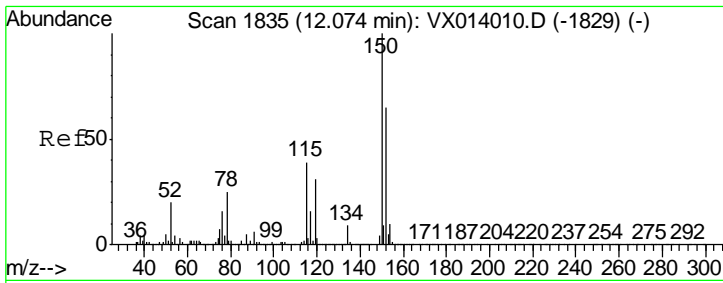
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

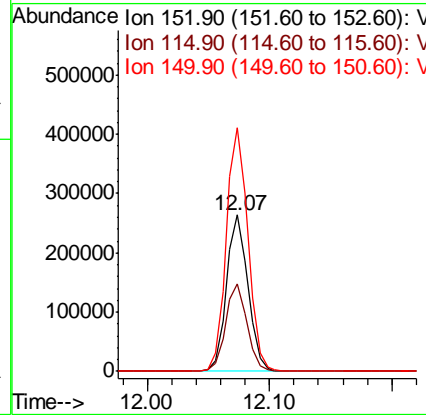
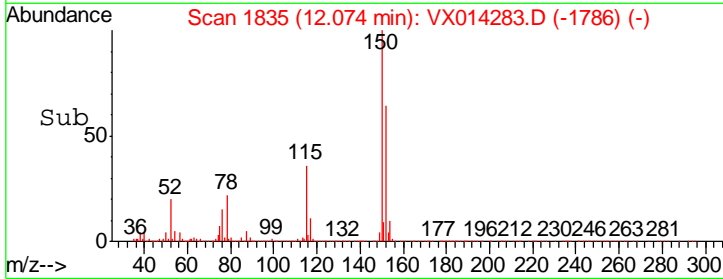
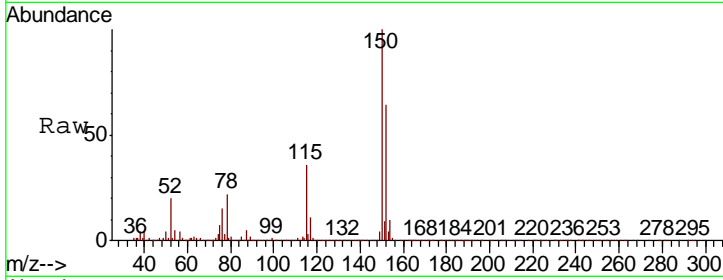




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014283.D
 Acq: 26 Dec 2019 20:37

Instrument : MSVOA_X
 ClientSampleId : 995-MW-11-(15)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	56.3	38.3	114.9
150	157.4	0.0	345.4



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	996-MW-15-(17)	SDG No.:	K6405
Lab Sample ID:	K6405-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014273.D	1		12/26/19 16:44	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.16	1.00	ug/L
74-83-9	Bromomethane	5.00	U	2.10	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.18	1.00	ug/L
67-64-1	Acetone	4.00	J	0.90	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.30	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.31	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.17	1.00	ug/L
71-43-2	Benzene	1.00	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.85	5.00	ug/L
108-88-3	Toluene	1.00	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014273.D
 Acq On : 26 Dec 2019 16:44
 Operator : JC/SP
 Sample : K6405-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 996-MW-15-(17)

Quant Time: Dec 27 07:08:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

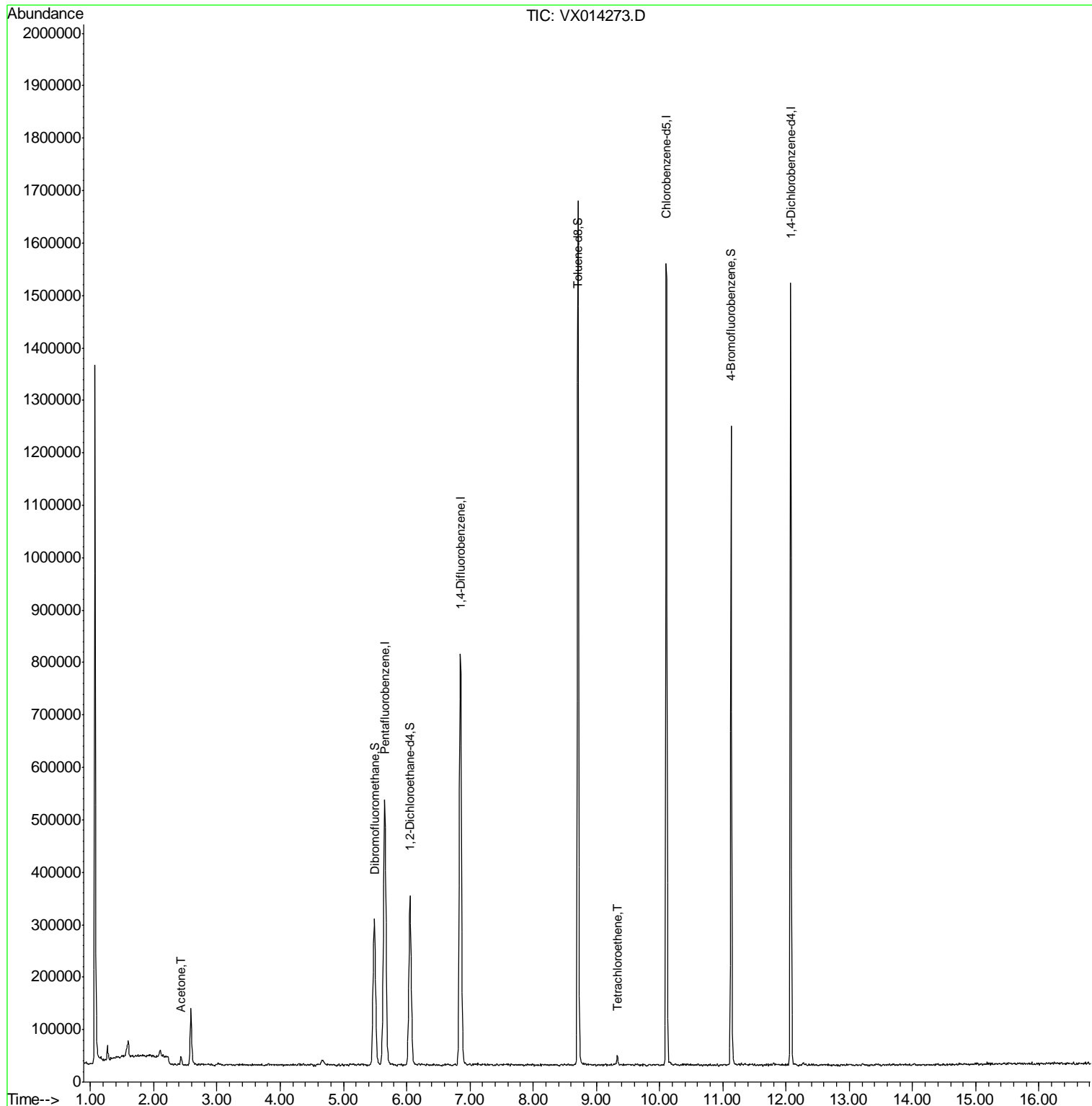
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	524511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	812062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	727039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	312996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	296363	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	5.49	113	241412	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	8.71	98	963670	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.13	95	323949	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
Target Compounds						
16) Acetone	2.44	43	15403	3.991	ug/l	95
64) Tetrachloroethene	9.33	164	3519	0.547	ug/l	86

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

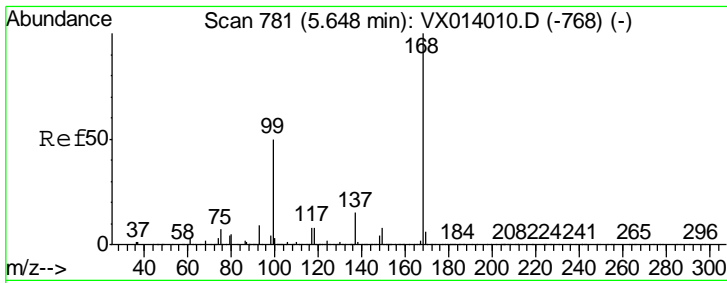
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 Data File : VX014273.D
 Acq On : 26 Dec 2019 16:44
 Operator : JC/SP
 Sample : K6405-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 996-MW-15-(17)

Quant Time: Dec 27 07:08:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



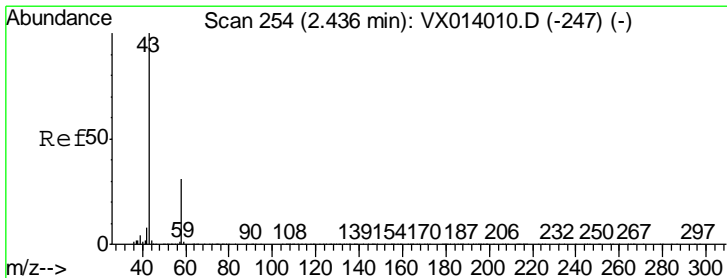
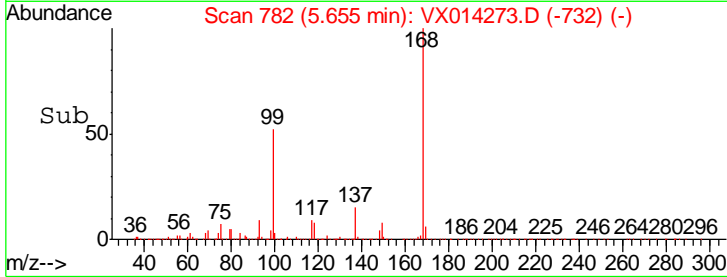
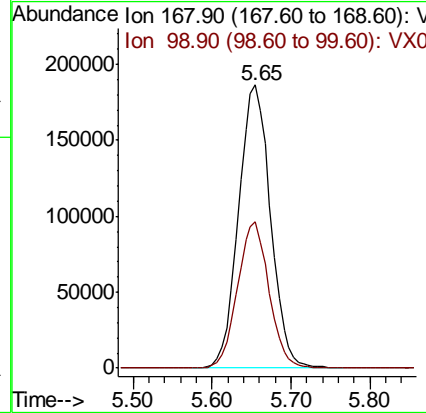
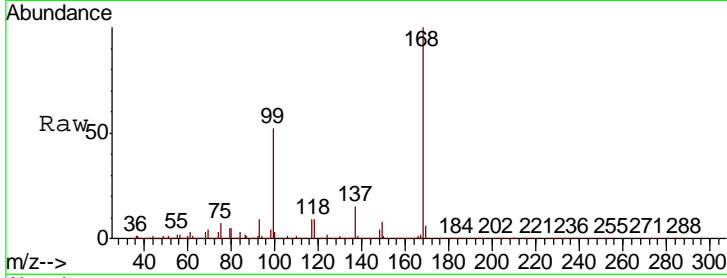
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

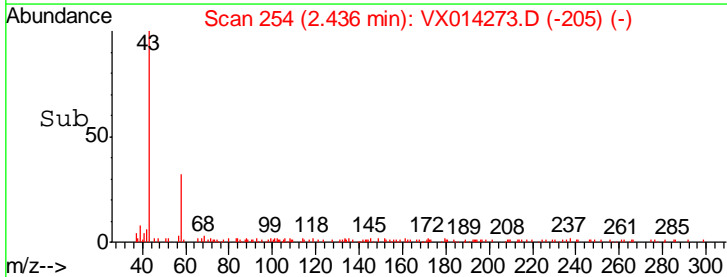
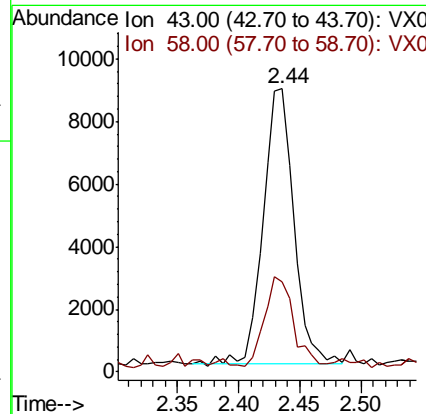
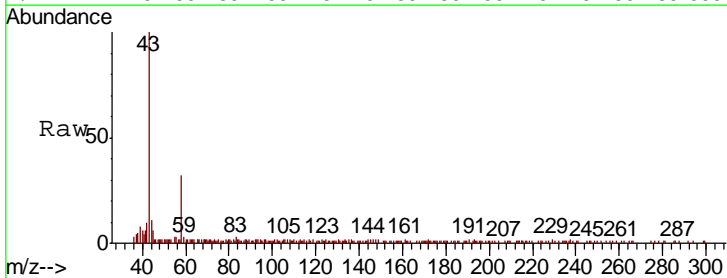
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)

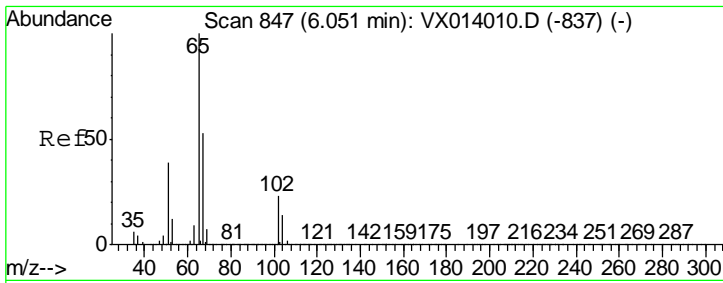
Tgt Ion	Resp	Lower	Upper
168	524511		
99	100	40.3	60.5



#16
 Acetone
 Concen: 3.991 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

Tgt Ion	Resp	Lower	Upper
43	15403		
58	100	24.9	37.3

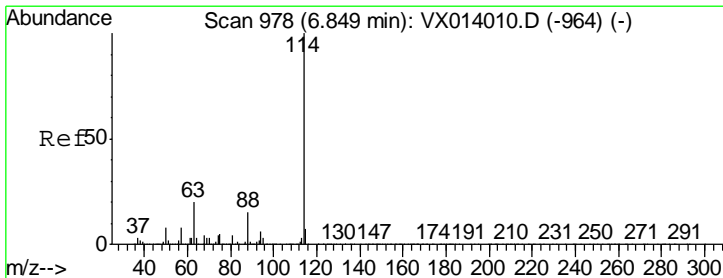
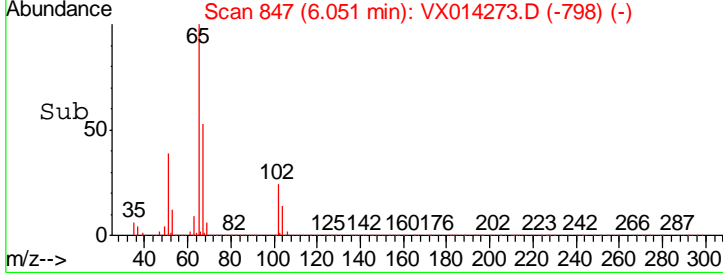
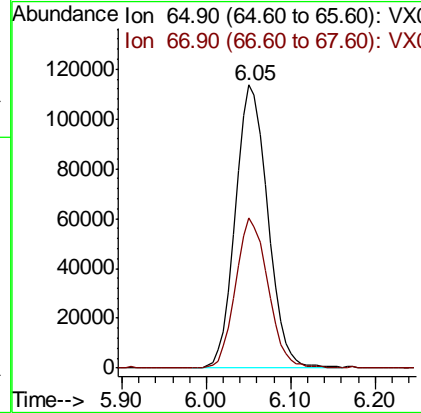
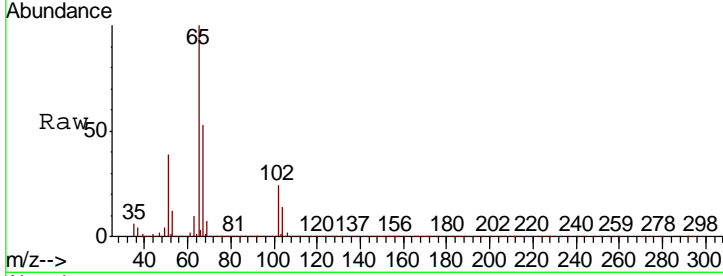




#33
 1,2-Dichloroethane-d4
 Concen: 49.854 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

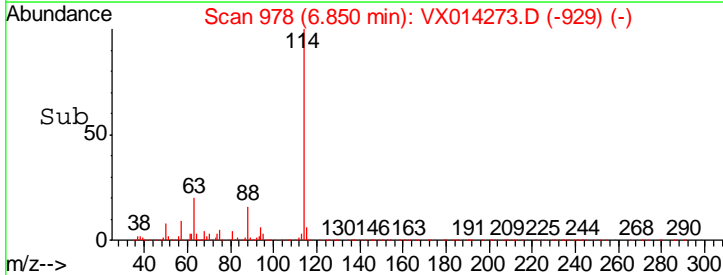
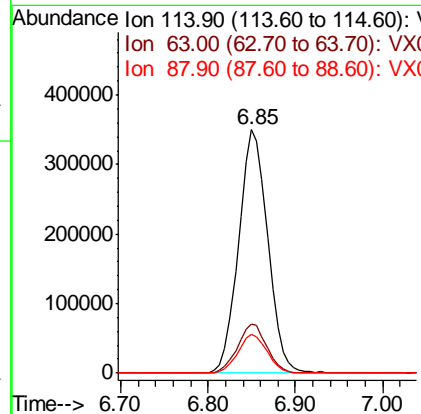
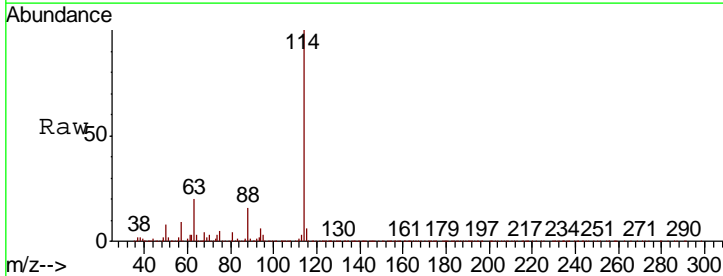
Instrument : MSVOA_X
 ClientSampleId : 996-MW-15-(17)

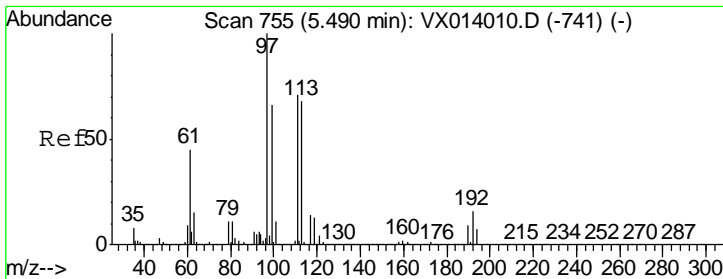
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.0	0.0	106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	16.0	0.0	30.4

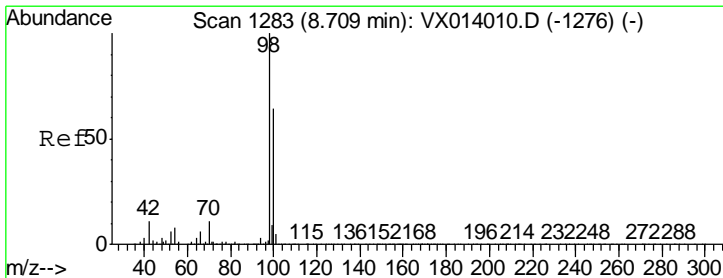
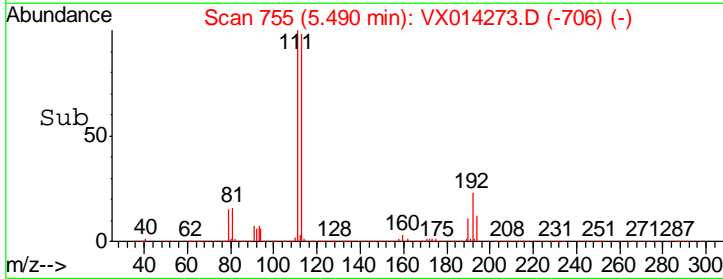
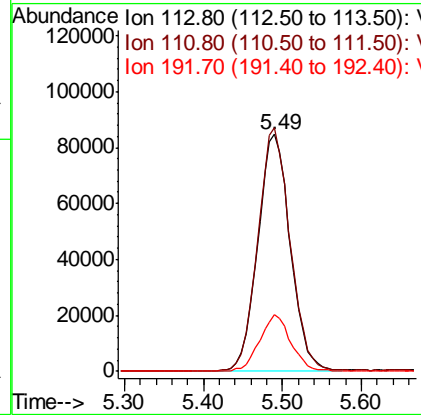
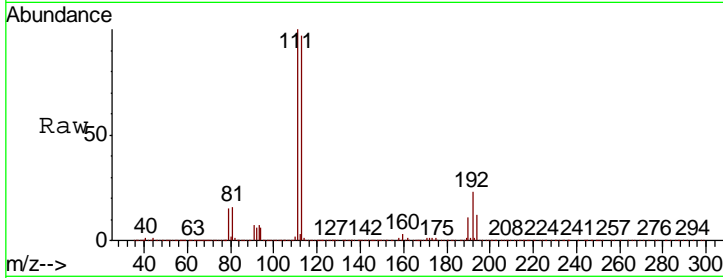




#35
 Dibromofluoromethane
 Concen: 48.904 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

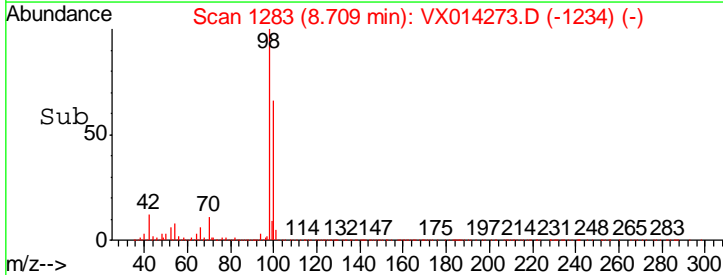
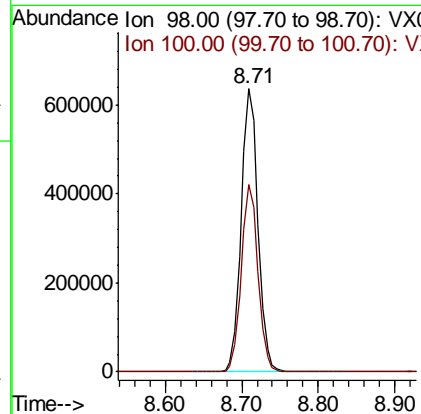
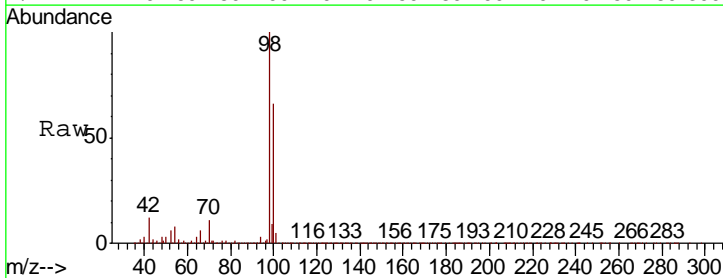
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)

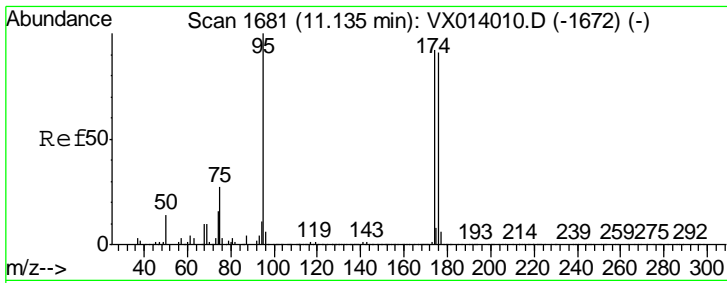
Tgt Ion	Resp	Lower	Upper
113	241412		
113	100		
111	101.8	82.0	123.0
192	23.3	19.3	28.9



#50
 Toluene-d8
 Concen: 50.142 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

Tgt Ion	Resp	Lower	Upper
98	963670		
98	100		
100	65.9	52.9	79.3

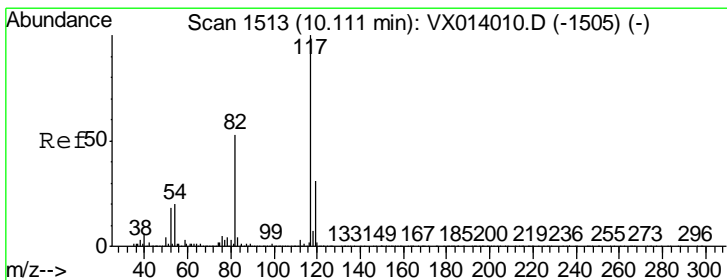
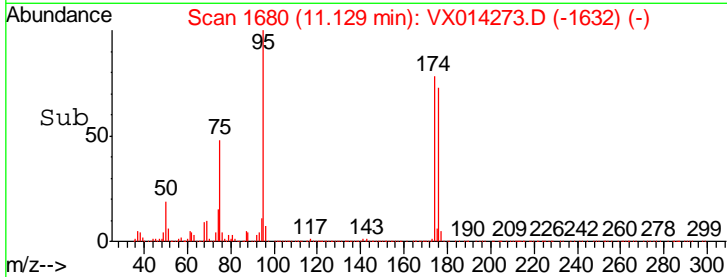
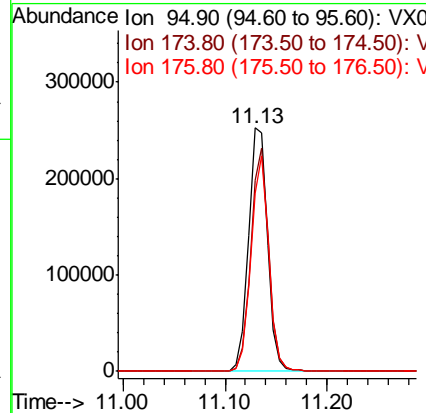
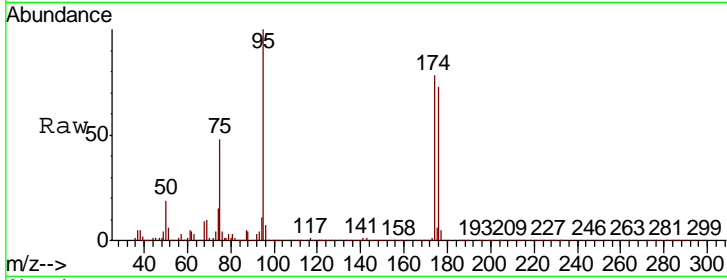




#62
 4-Bromofluorobenzene
 Concen: 46.112 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

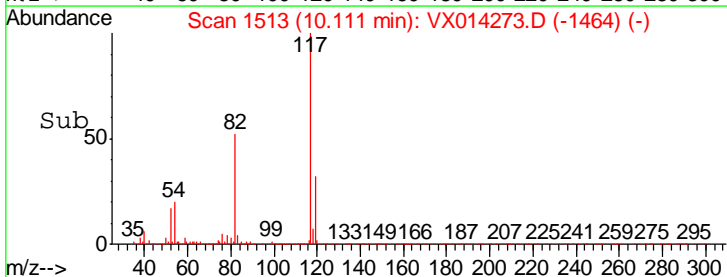
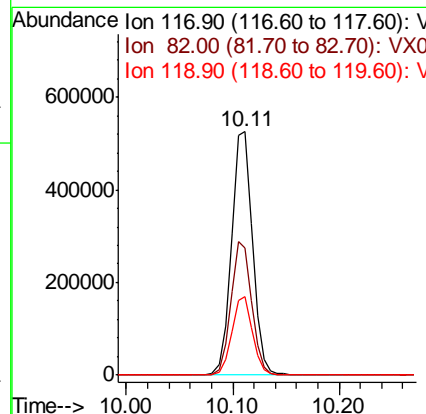
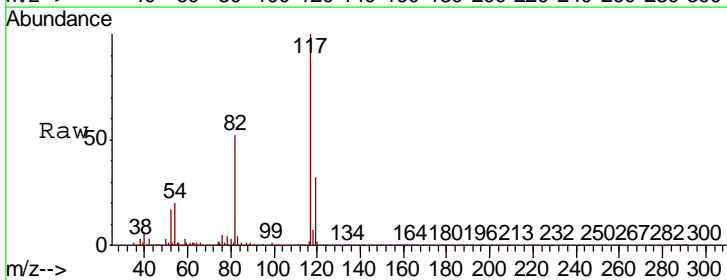
Instrument :
 MSVOA_X
 ClientSampleId :
 996-MW-15-(17)

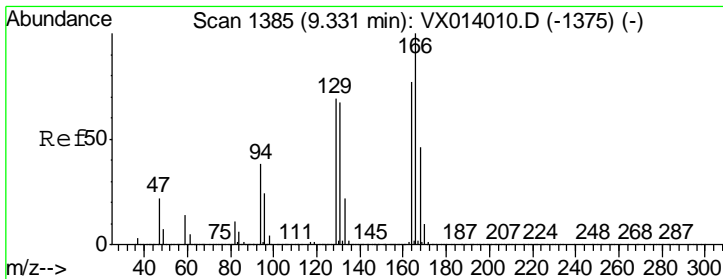
Tgt Ion	Resp	Lower	Upper
95	323949		
174	86.9	0.0	175.8
176	83.3	0.0	173.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

Tgt Ion	Resp	Lower	Upper
117	727039		
82	52.3	42.2	63.4
119	32.3	25.1	37.7

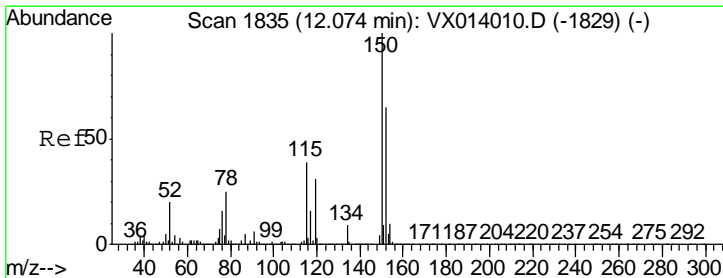
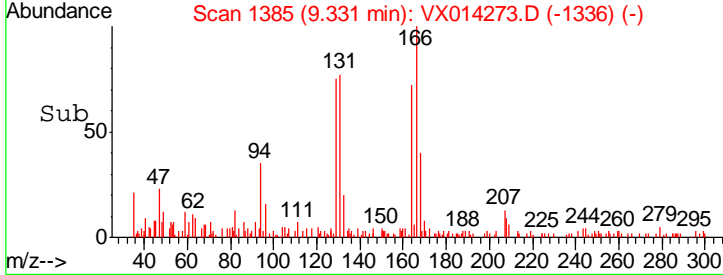
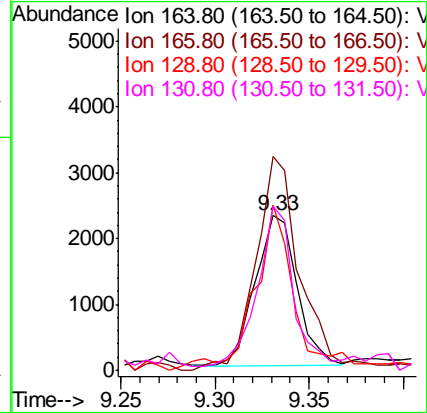
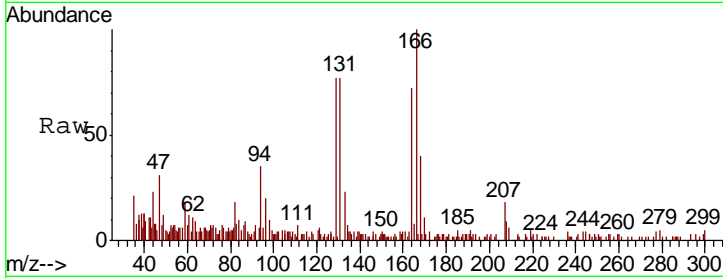




#64
 Tetrachloroethene
 Concen: 0.547 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

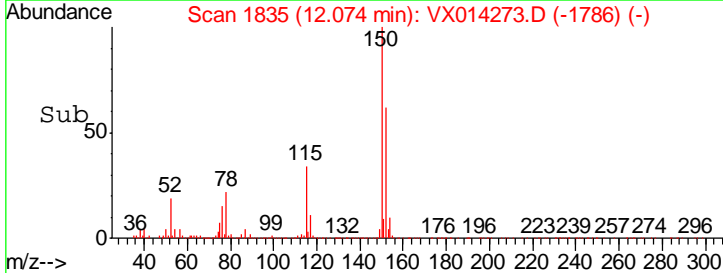
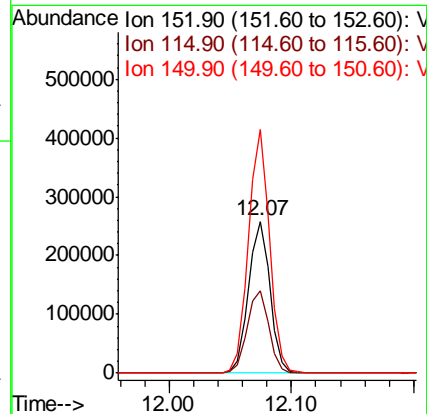
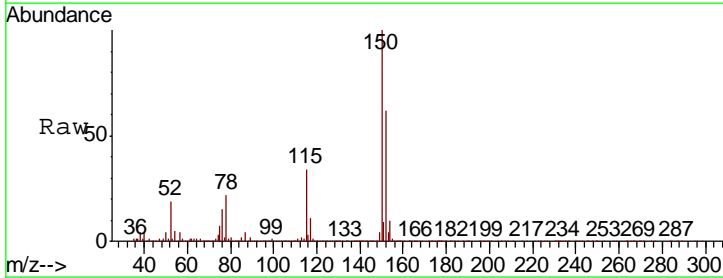
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)

Tgt Ion	Resp	Lower	Upper
164	100		
166	142.5	104.0	156.0
129	104.3	72.2	108.4
131	103.2	69.6	104.4



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014273.D
 Acq: 26 Dec 2019 16:44

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.0	38.3	114.9
150	157.1	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014273.D
 Acq On : 26 Dec 2019 16:44
 Operator : JC/SP
 Sample : K6405-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 996-MW-15-(17)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	42	rBV	1330364	1572915	62.88%	10.618%
2	1.265	59	62	69	rVB	28357	37968	1.52%	0.256%
3	1.601	109	117	122	rVB10	32576	70974	2.84%	0.479%
4	2.430	250	253	260	rVB	16550	25510	1.02%	0.172%
5	2.588	271	279	286	rBV	109030	193948	7.75%	1.309%
6	4.673	616	621	632	rVB3	10096	28637	1.14%	0.193%
7	5.490	744	755	768	rBV	278502	783386	31.32%	5.288%
8	5.655	768	782	798	rBV	505995	1411579	56.43%	9.529%
9	6.051	837	847	859	rBV	323019	823880	32.94%	5.562%
10	6.850	968	978	989	rBV	785654	1825780	72.99%	12.325%
11	8.709	1277	1283	1291	rBV	1647697	2501479	100.00%	16.887%
12	9.331	1379	1385	1391	rVB3	19170	30924	1.24%	0.209%
13	10.105	1506	1512	1519	rBV	1530028	2112349	84.44%	14.260%
14	11.135	1675	1681	1691	rBV	1218094	1555494	62.18%	10.501%
15	12.074	1829	1835	1842	rBV	1492237	1838557	73.50%	12.411%

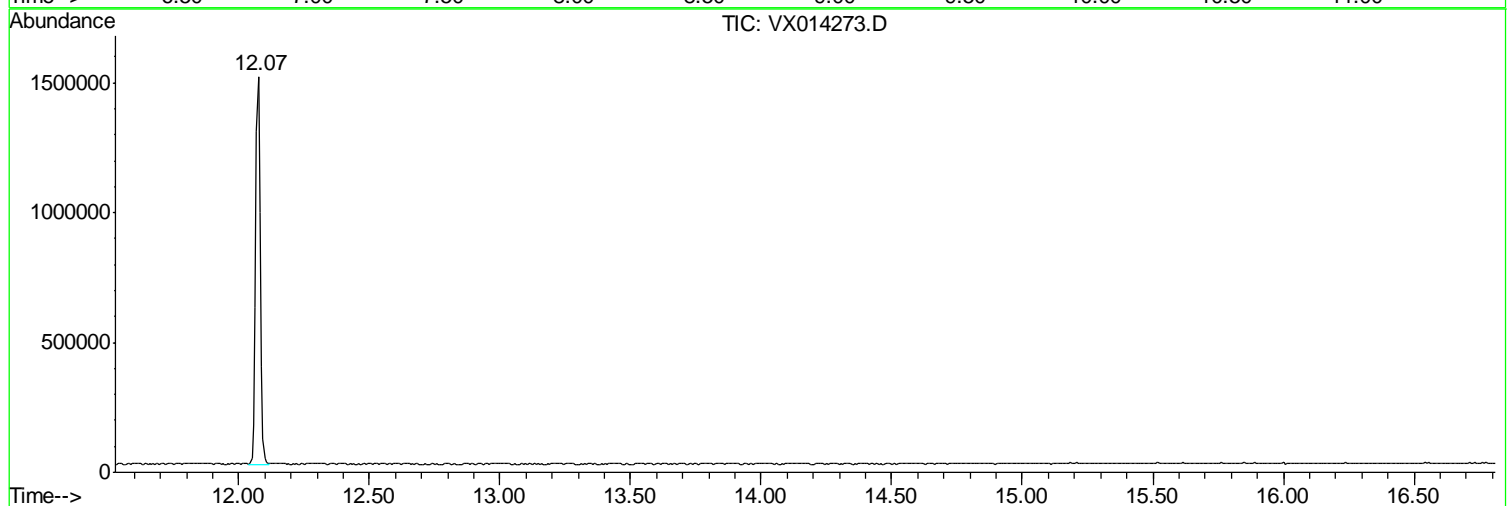
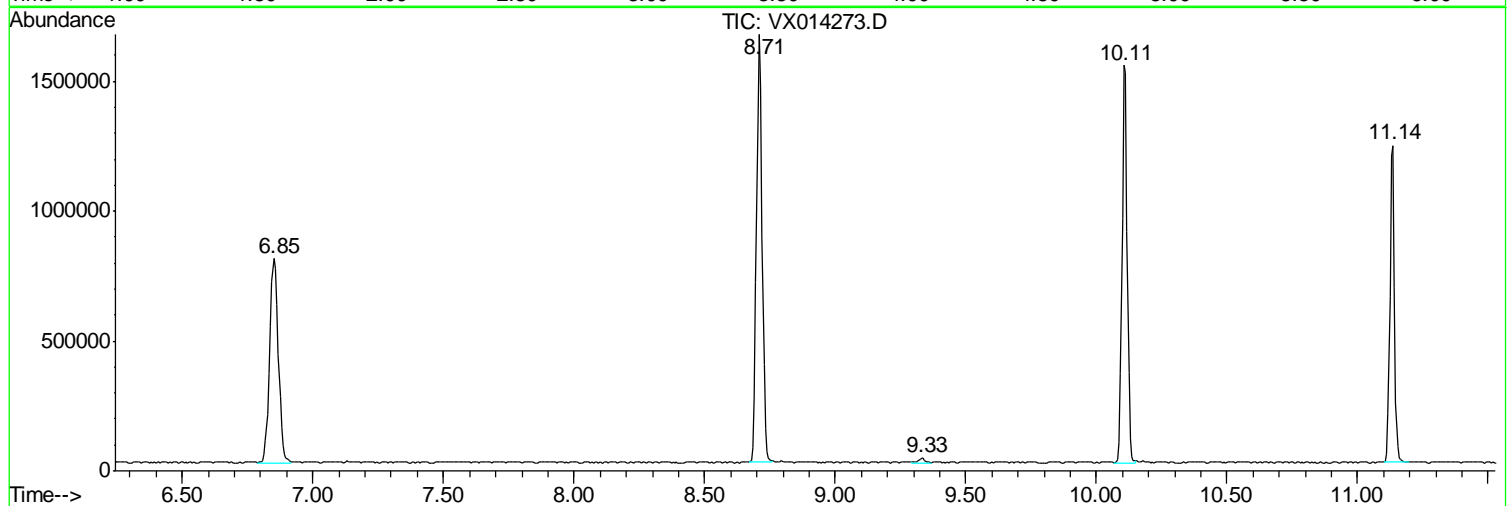
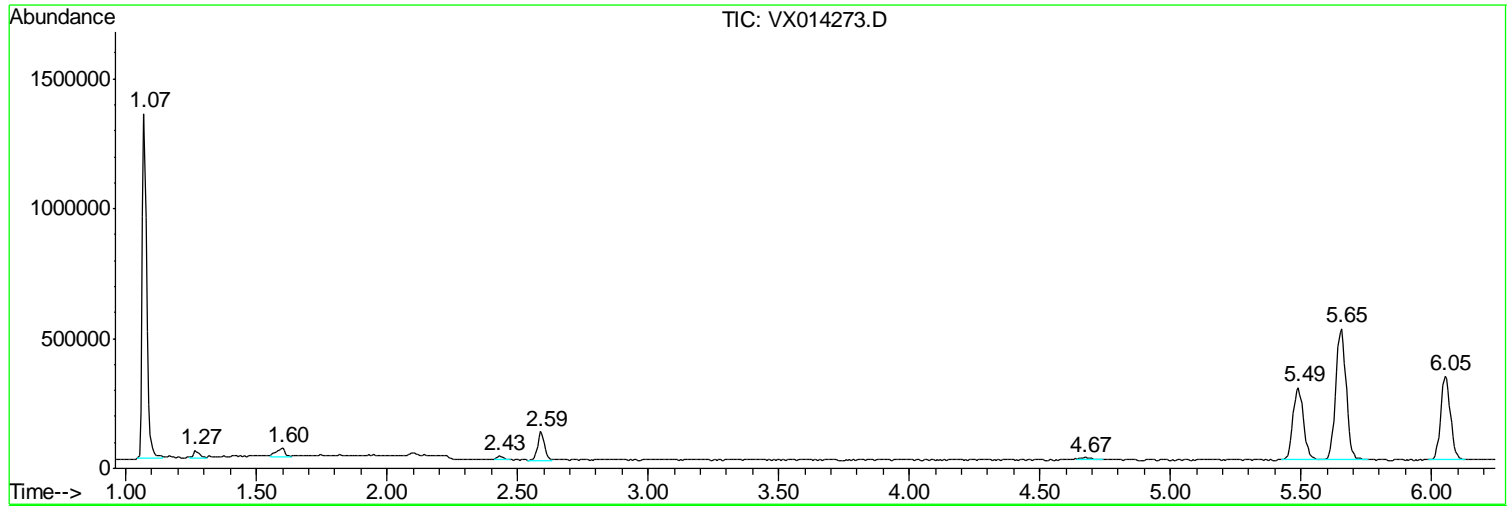
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
Data File : VX014273.D
Acq On : 26 Dec 2019 16:44
Operator : JC/SP
Sample : K6405-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
996-MW-15-(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014273.D
 Acq On : 26 Dec 2019 16:44
 Operator : JC/SP
 Sample : K6405-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 996-MW-15-(17)

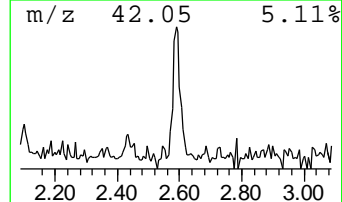
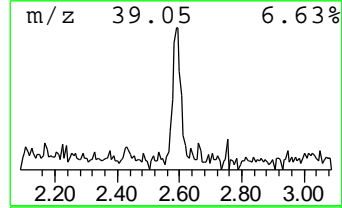
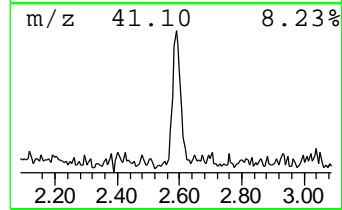
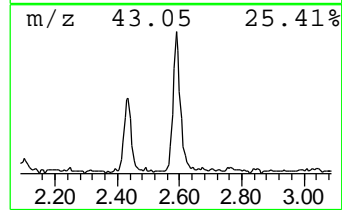
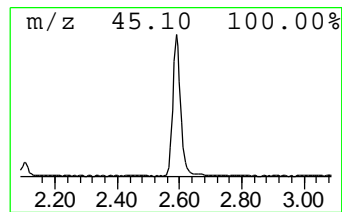
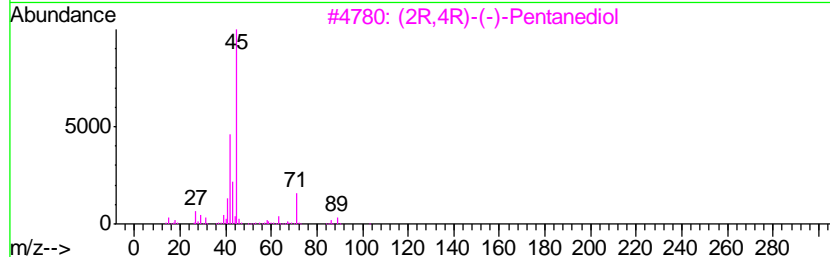
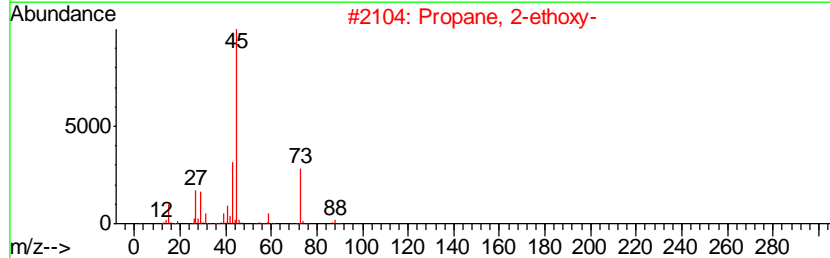
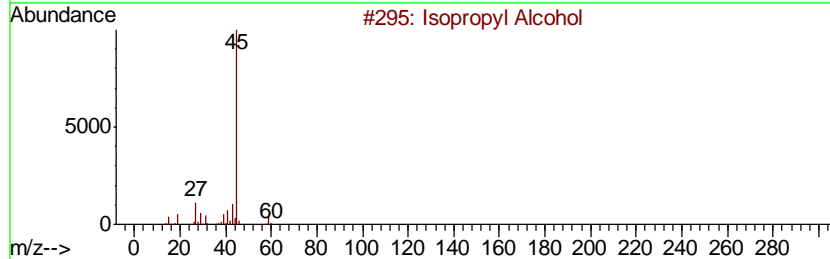
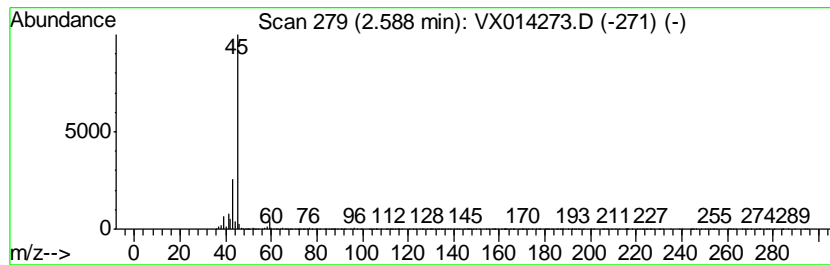
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

 Peak Number 2 Isopropyl Alcohol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	6.87 ug/l	193948	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropyl Alcohol	60	C3H8O	000067-63-0	80
2		Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56
3		(2R,4R)-(-)-Pentanediol	104	C5H12O2	042075-32-1	40
4		Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	39
5		Propylene Glycol	76	C3H8O2	000057-55-6	9



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014273.D
 Acq On : 26 Dec 2019 16:44
 Operator : JC/SP
 Sample : K6405-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 996-MW-15-(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Isopropyl Alcohol	2.59	6.9	ug/l	193948	1	5.65	1411580	50.0

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- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014274.D
 Acq On : 26 Dec 2019 17:08
 Operator : JC/SP
 Sample : K6405-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 997-MW-16-(22.5)

Quant Time: Jan 08 02:38:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

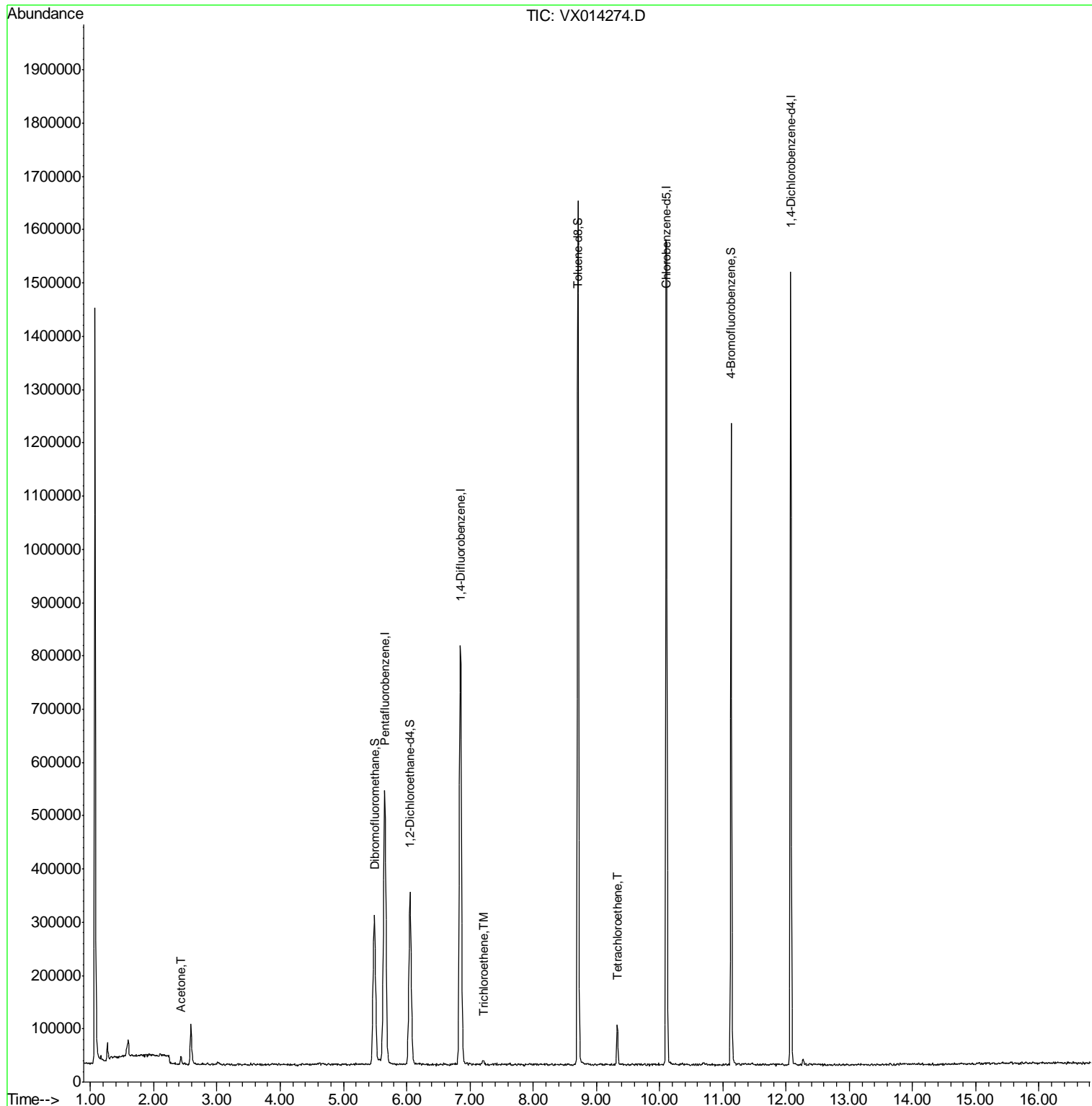
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	530795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	815830	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	734502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	293807	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
35) Dibromofluoromethane	5.49	113	244744	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	8.71	98	968395	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.13	95	322937	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
Target Compounds						
16) Acetone	2.43	43	17379	4.450	ug/l	97
44) Trichloroethene	7.22	130	3914	0.615	ug/l	86
64) Tetrachloroethene	9.33	164	16265	2.503	ug/l	96

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

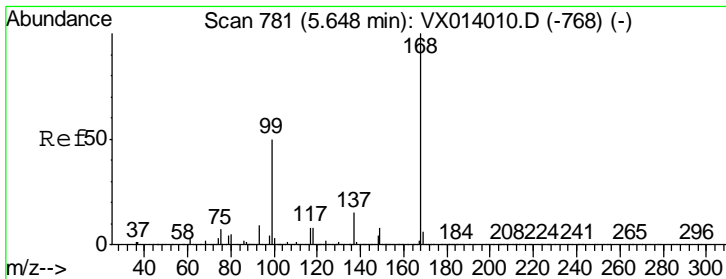
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 Data File : VX014274.D
 Acq On : 26 Dec 2019 17:08
 Operator : JC/SP
 Sample : K6405-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 997-MW-16-(22.5)

Quant Time: Jan 08 02:38:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



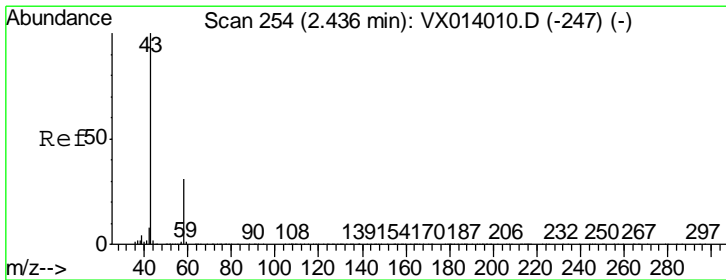
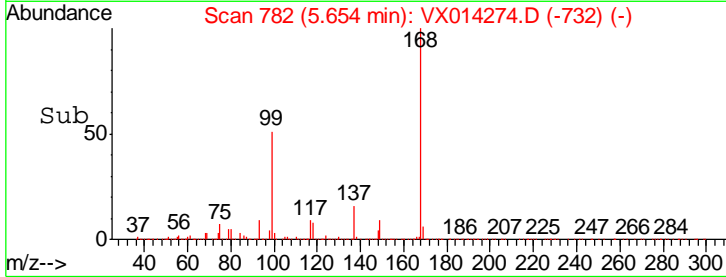
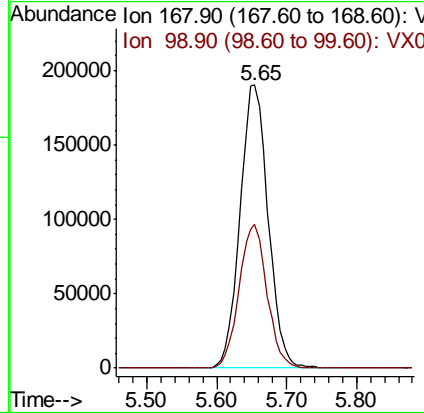
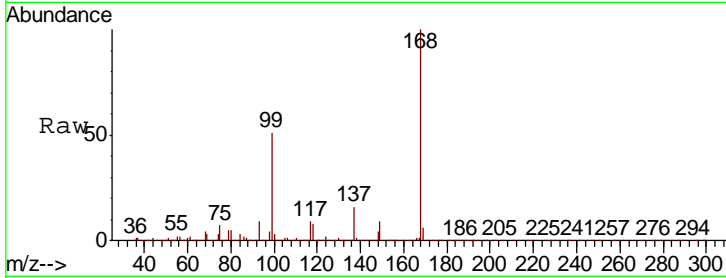
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

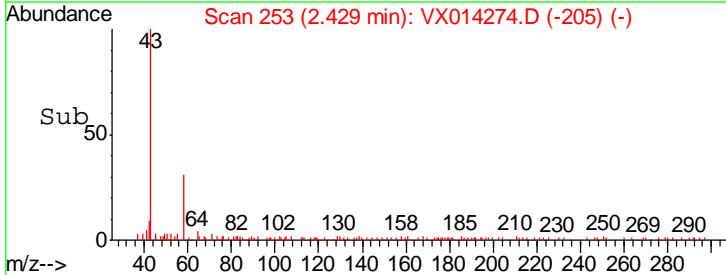
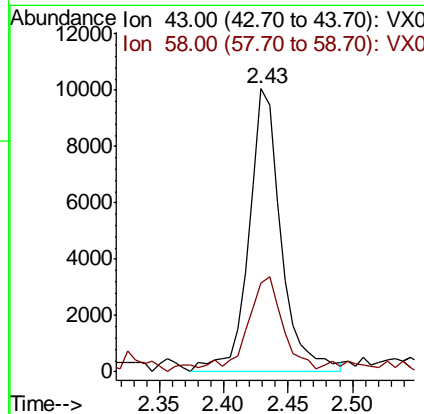
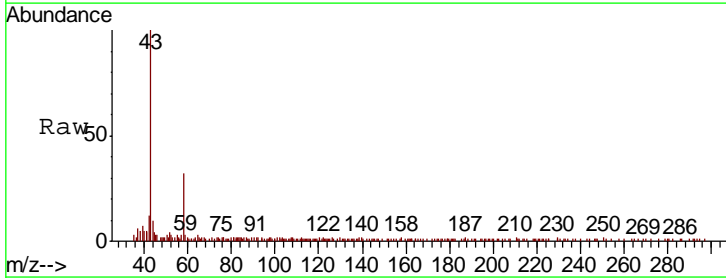
Instrument : MSVOA_X
 ClientSampled : 997-MW-16-(22.5)

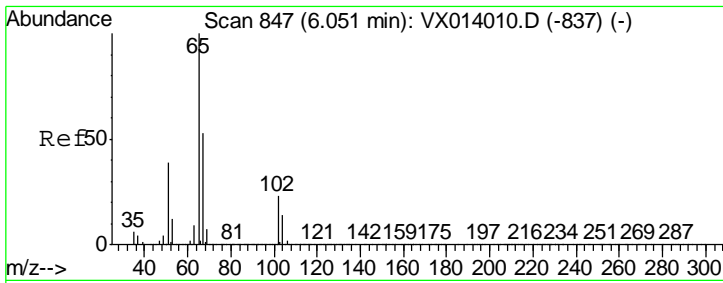
Tgt Ion	Resp	Lower	Upper
168	530795		
99	50.5	40.3	60.5



#16
 Acetone
 Concen: 4.450 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

Tgt Ion	Resp	Lower	Upper
43	17379		
58	29.4	24.9	37.3

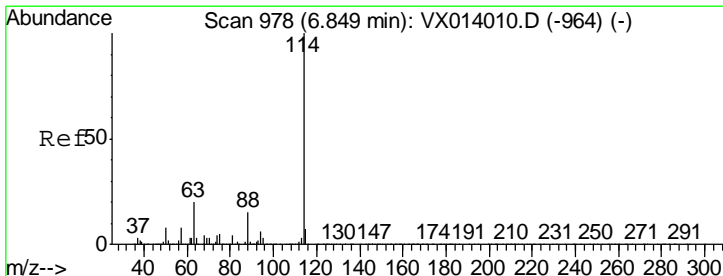
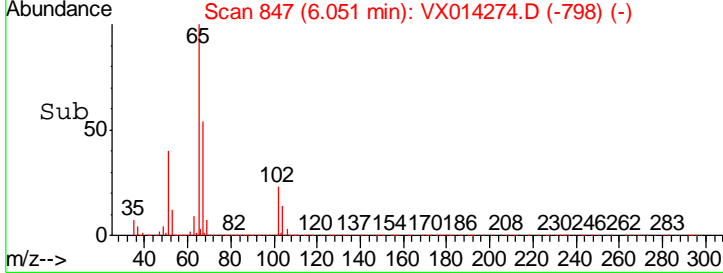
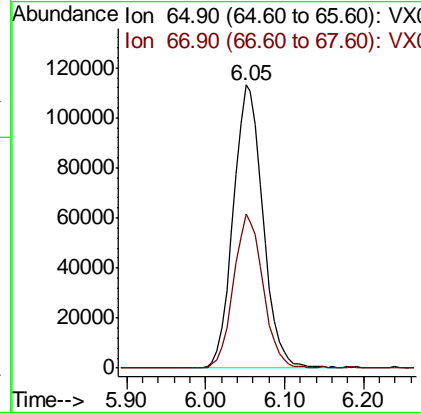
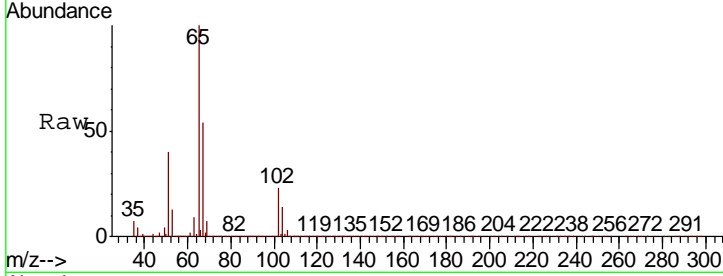




#33
 1,2-Dichloroethane-d4
 Concen: 48.839 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

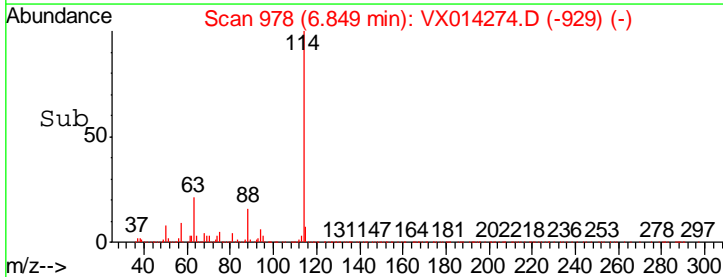
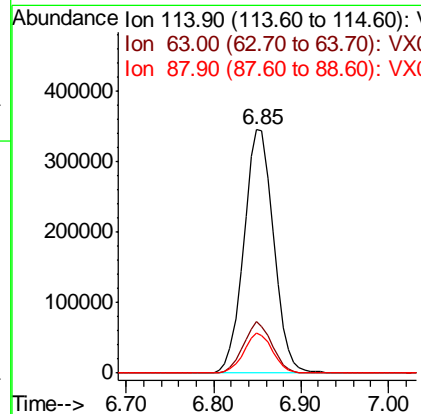
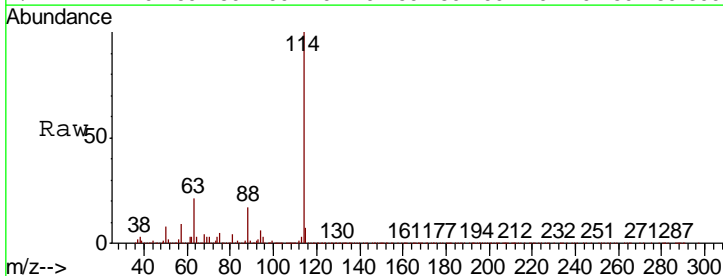
Instrument : MSVOA_X
 ClientSampled : 997-MW-16-(22.5)

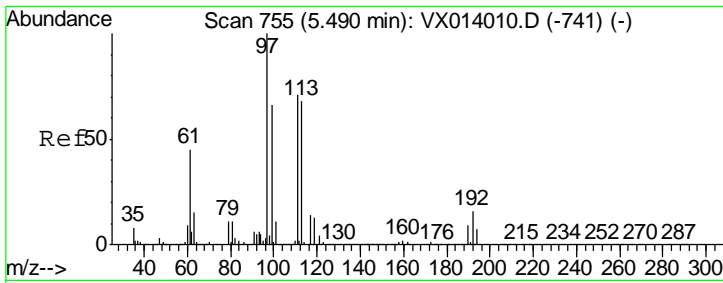
Tgt Ion	Resp	Lower	Upper
65	293807		
67	53.7	0.0	106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

Tgt Ion	Resp	Lower	Upper
114	815830		
63	21.1	0.0	40.8
88	16.5	0.0	30.4

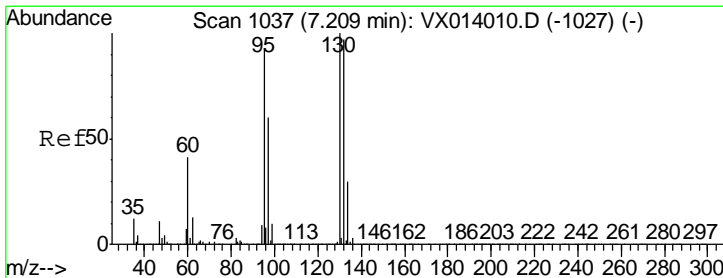
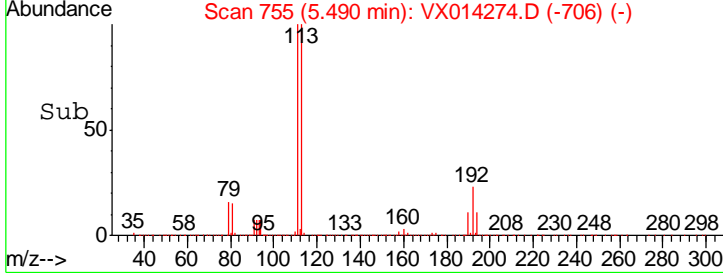
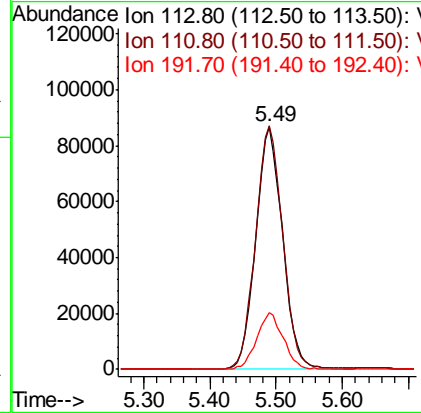
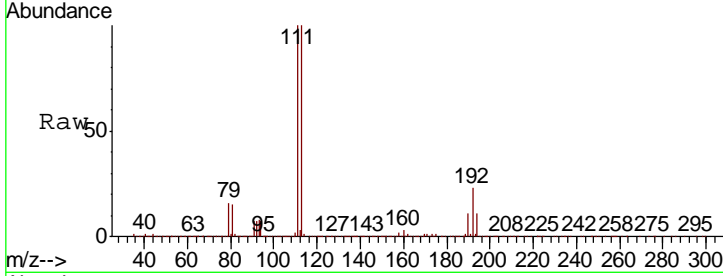




#35
 Dibromofluoromethane
 Concen: 49.350 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

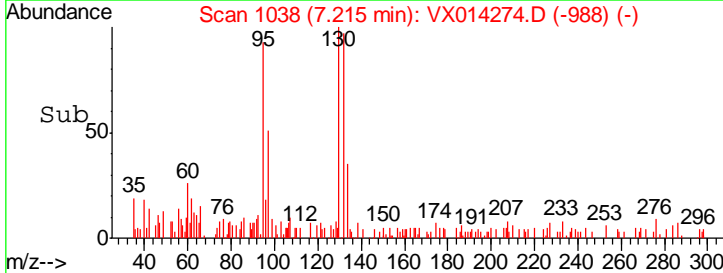
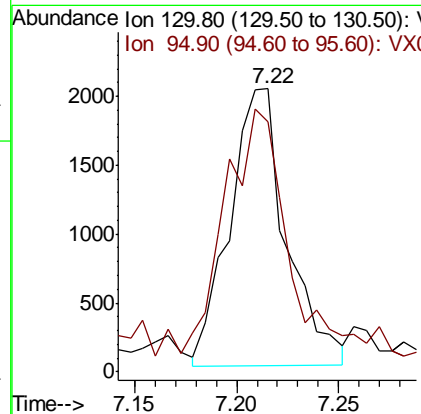
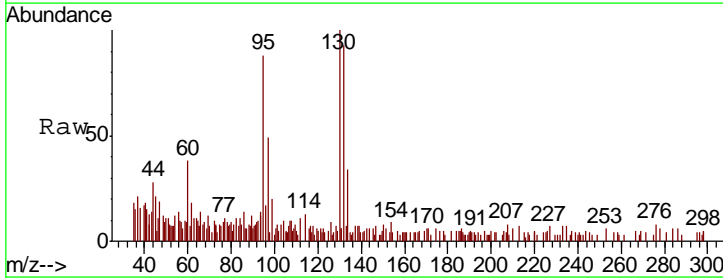
Instrument : MSVOA_X
 ClientSampleId : 997-MW-16-(22.5)

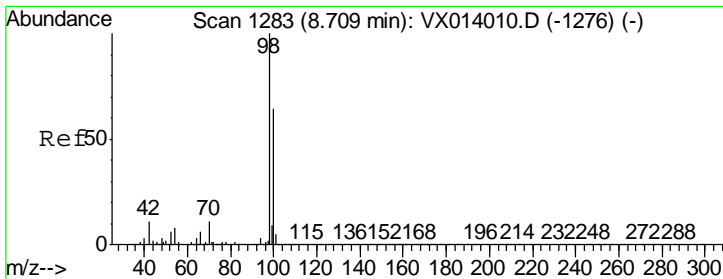
Tgt Ion	Resp	Lower	Upper
113	244744		
113	100		
111	101.2	82.0	123.0
192	23.3	19.3	28.9



#44
 Trichloroethene
 Concen: 0.615 ug/l
 RT: 7.22 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

Tgt Ion	Resp	Lower	Upper
130	3914		
130	100		
95	79.8	0.0	185.6

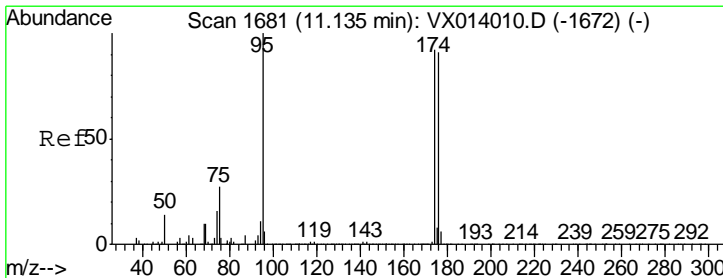
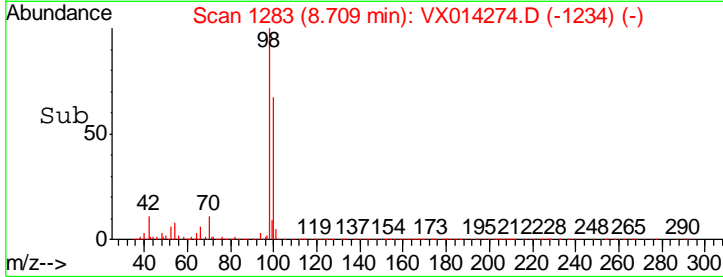
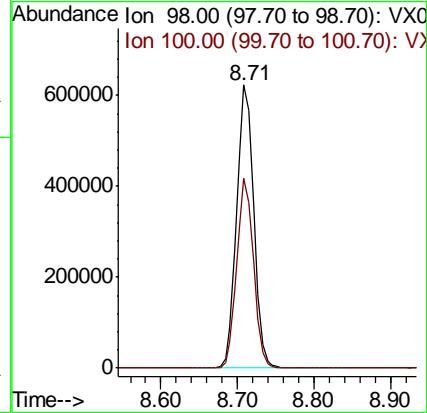
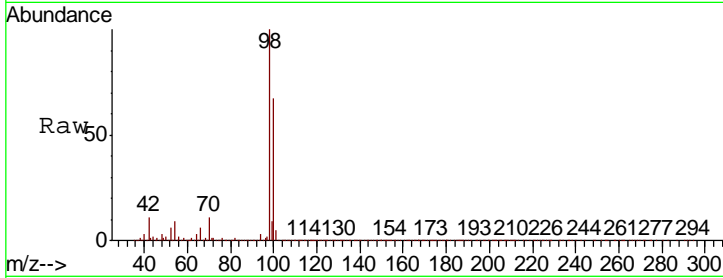




#50
 Toluene-d8
 Concen: 50.155 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

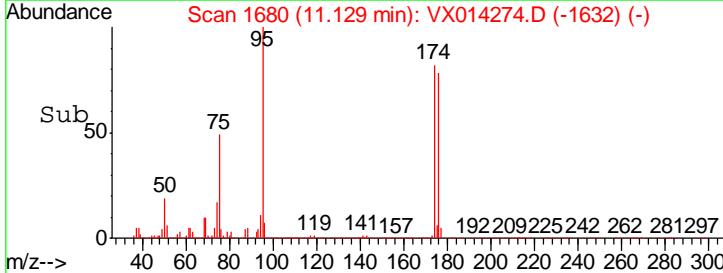
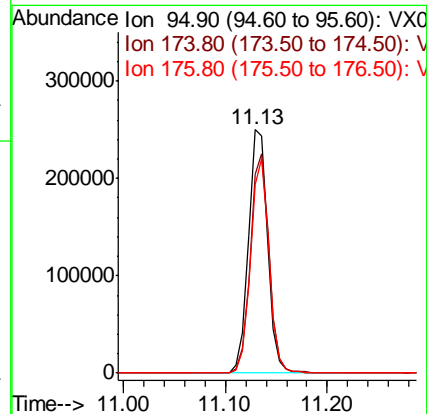
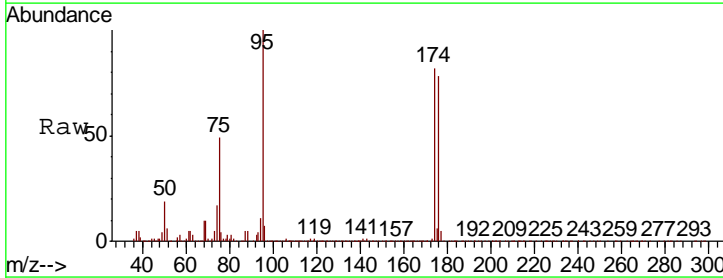
Instrument :
 MSVOA_X
 ClientSampleId :
 997-MW-16-(22.5)

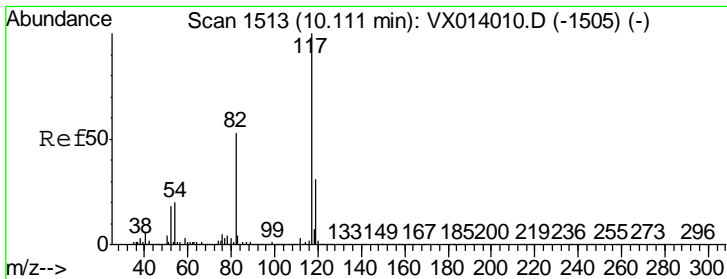
Tgt Ion	Resp	Lower	Upper
98	100		
100	65.6	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 45.755 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.8	0.0	175.8
176	85.2	0.0	173.0

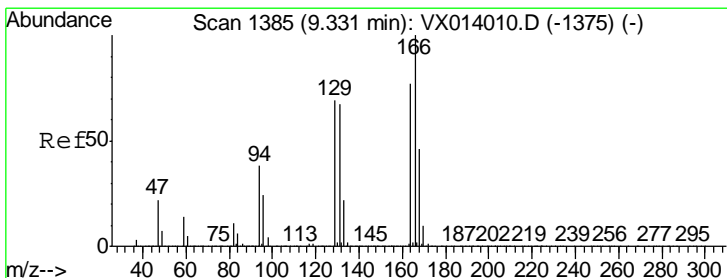
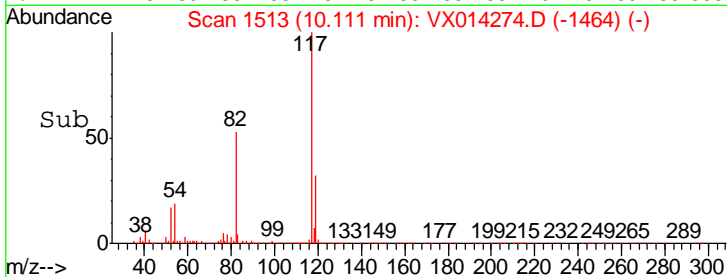
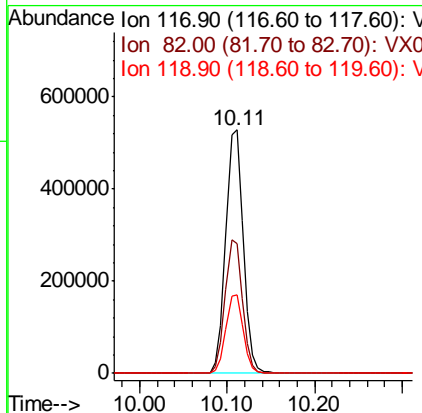
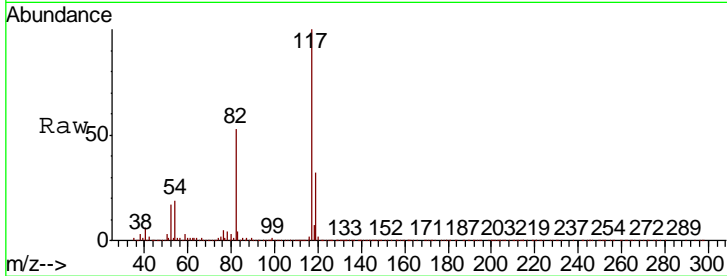




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

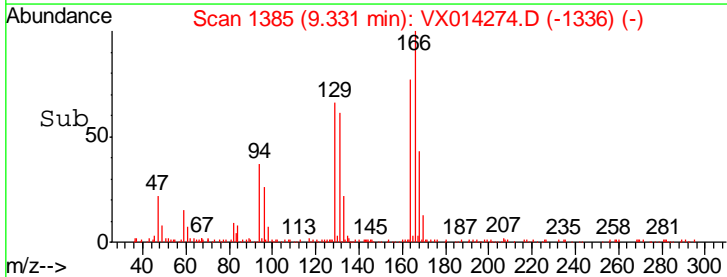
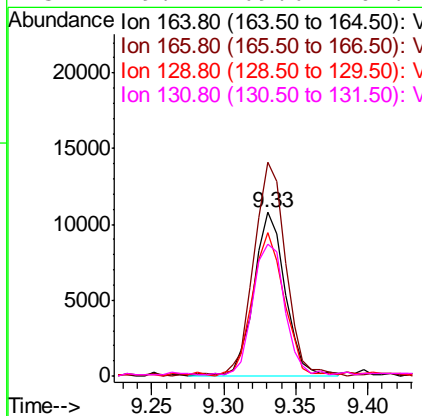
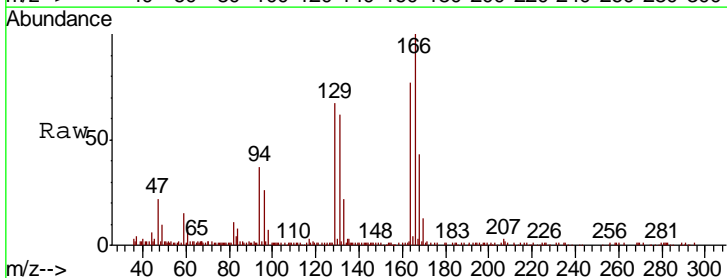
Instrument : MSVOA_X
 ClientSampled : 997-MW-16-(22.5)

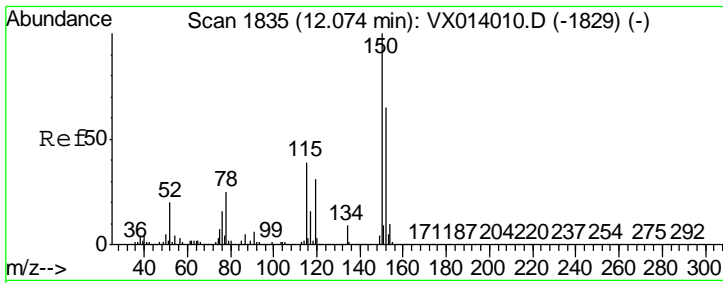
Tgt Ion	Resp	Lower	Upper
117	734502		
82	53.4	42.2	63.4
119	32.4	25.1	37.7



#64
 Tetrachloroethene
 Concen: 2.503 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

Tgt Ion	Resp	Lower	Upper
164	16265		
166	129.8	104.0	156.0
129	86.4	72.2	108.4
131	79.2	69.6	104.4

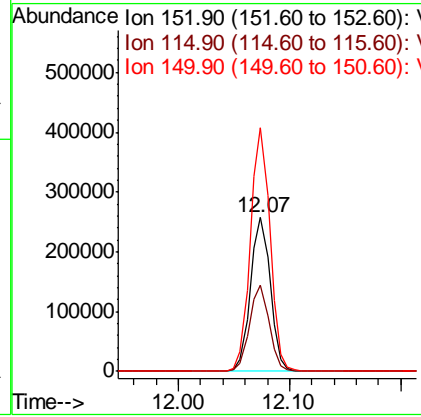
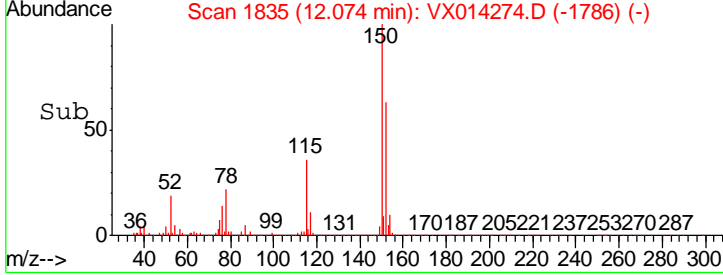
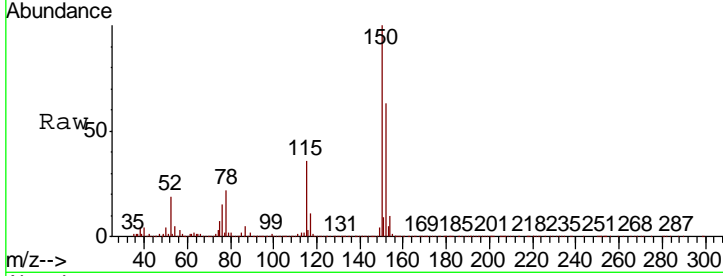




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014274.D
 Acq: 26 Dec 2019 17:08

Instrument : MSVOA_X
 ClientSampled : 997-MW-16-(22.5)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.5	38.3	114.9
150	156.5	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014274.D
 Acq On : 26 Dec 2019 17:08
 Operator : JC/SP
 Sample : K6405-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 997-MW-16-(22.5)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	44	rBV	1415156	1702806	67.63%	11.322%
2	1.265	58	62	67	rBV	34760	46370	1.84%	0.308%
3	1.600	109	117	120	rBV6	30807	60820	2.42%	0.404%
4	2.588	272	279	288	rBV	76443	140362	5.57%	0.933%
5	5.490	744	755	765	rBV	281879	798459	31.71%	5.309%
6	5.654	772	782	794	rVB	512757	1405584	55.82%	9.345%
7	6.051	836	847	861	rBV	323387	833416	33.10%	5.541%
8	6.849	969	978	991	rBV	785711	1820348	72.29%	12.103%
9	7.215	1029	1038	1042	rBV	9481	26862	1.07%	0.179%
10	8.709	1275	1283	1295	rBV	1622163	2517964	100.00%	16.741%
11	9.331	1379	1385	1391	rBV	75859	111680	4.44%	0.743%
12	10.105	1507	1512	1520	rBV	1547827	2128912	84.55%	14.155%
13	11.129	1675	1680	1694	rBV	1204848	1592861	63.26%	10.591%
14	12.074	1829	1835	1844	rBV	1488782	1853936	73.63%	12.326%

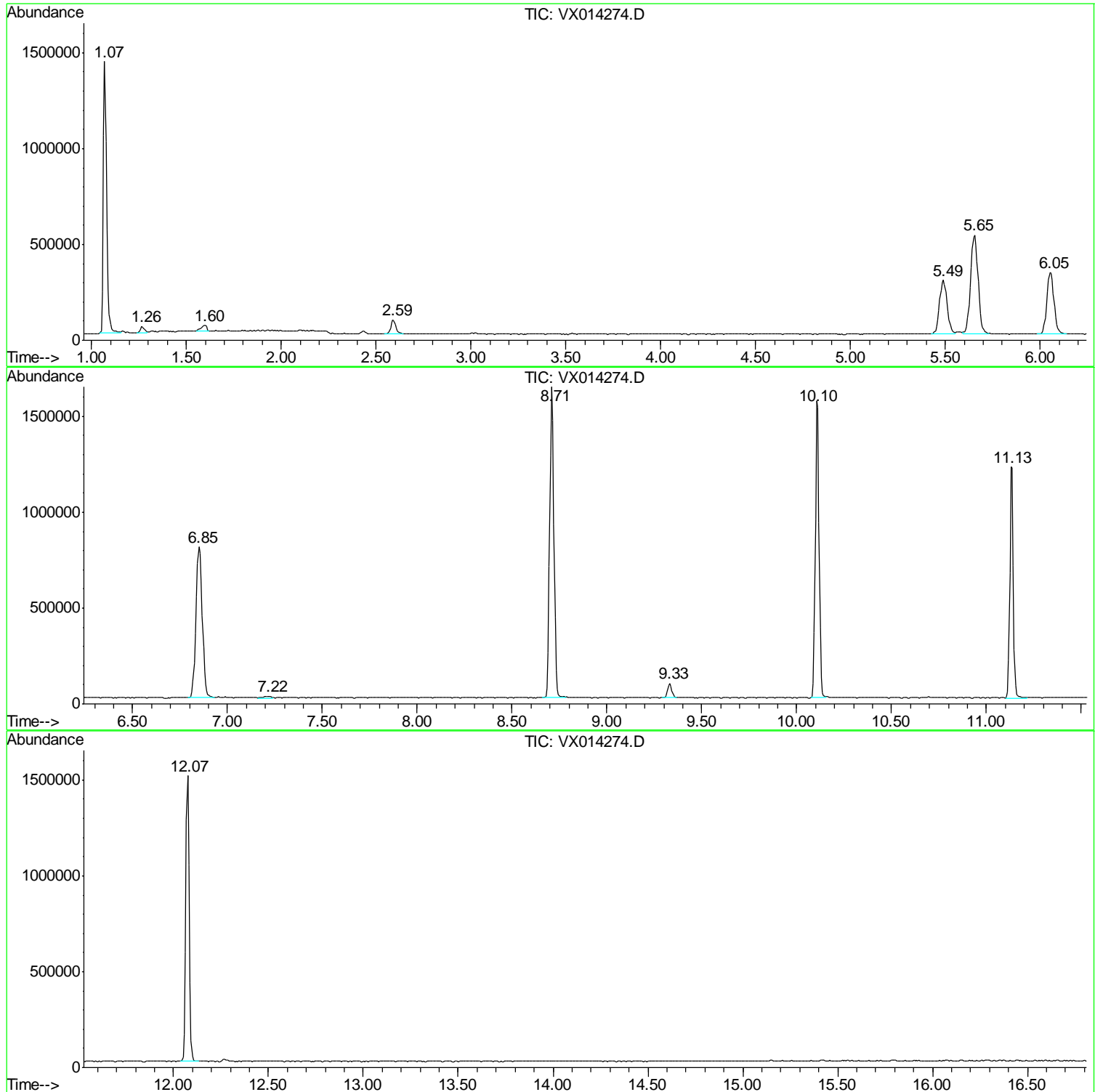
Sum of corrected areas: 15040380

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
Data File : VX014274.D
Acq On : 26 Dec 2019 17:08
Operator : JC/SP
Sample : K6405-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
997-MW-16-(22.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
Data File : VX014274.D
Acq On : 26 Dec 2019 17:08
Operator : JC/SP
Sample : K6405-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
997-MW-16-(22.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

- 1
- 2
- 3
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- 15
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX122619\
 Data File : VX014274.D
 Acq On : 26 Dec 2019 17:08
 Operator : JC/SP
 Sample : K6405-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 997-MW-16-(22.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

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

- 1
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- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014254.D
 Acq On : 24 Dec 2019 18:45
 Operator : JC/SP
 Sample : K6405-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 998-MW-17A-(15.5)

Quant Time: Dec 25 08:07:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	556094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	844118	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	741493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	318309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	305993	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	5.49	113	254407	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	8.71	98	993695	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.14	95	329822	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	

Target Compounds

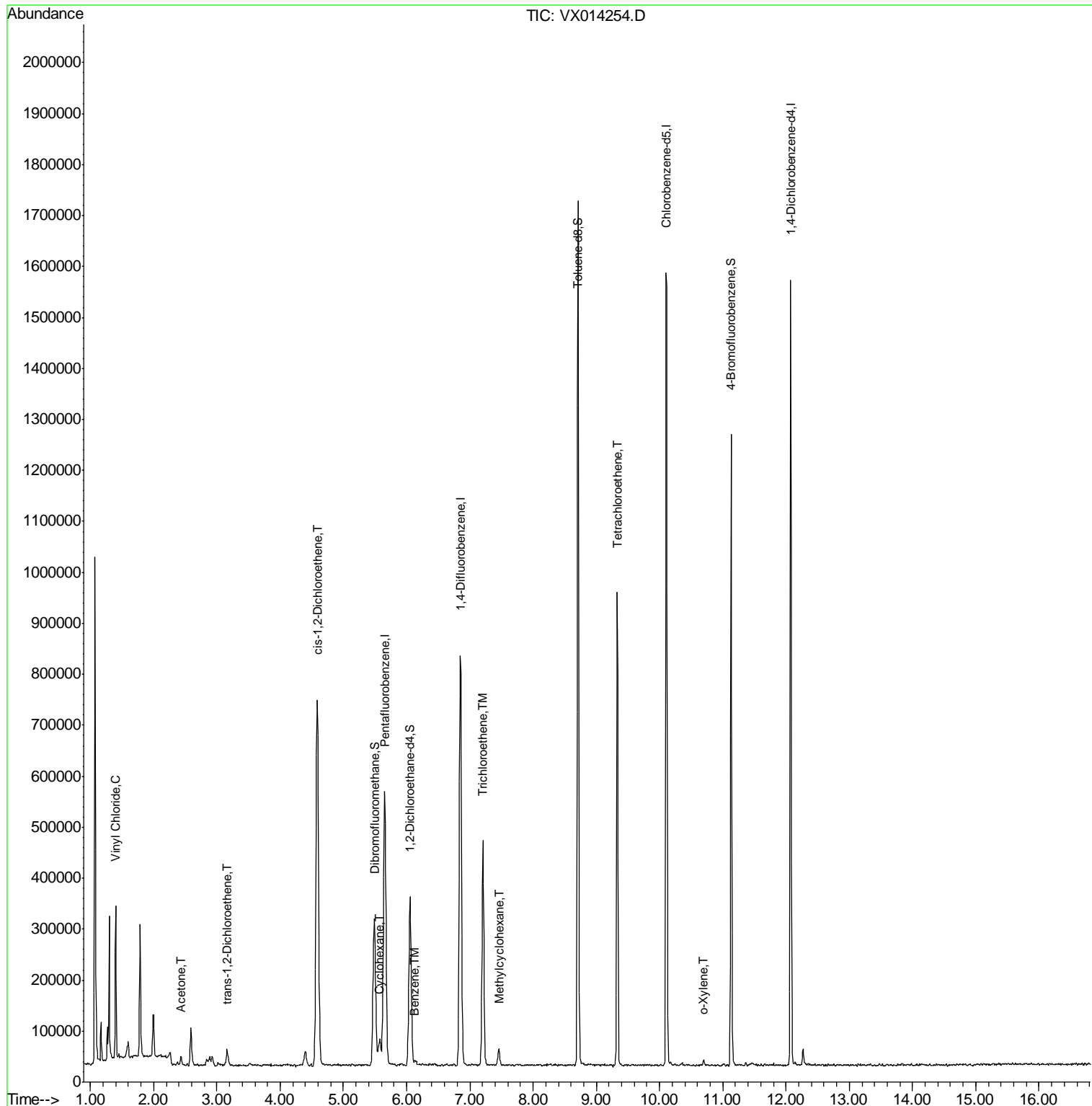
					Qvalue
4) Vinyl Chloride	1.40	62	16191	2.298	ug/l 97
16) Acetone	2.43	43	20413	4.989	ug/l 97
21) trans-1,2-Dichloroethene	3.16	96	11436	1.941	ug/l 97
27) cis-1,2-Dichloroethene	4.59	96	463831	69.593	ug/l 89
31) Cyclohexane	5.56	56	36696	3.896	ug/l 98
39) Methylcyclohexane	7.46	83	16060	1.679	ug/l 94
40) Benzene	6.13	78	12150	0.510	ug/l 100
44) Trichloroethene	7.21	130	175315	26.634	ug/l 99
64) Tetrachloroethene	9.33	164	183845	28.020	ug/l 98
69) o-Xylene	10.70	106	3262	0.319	ug/l 90

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

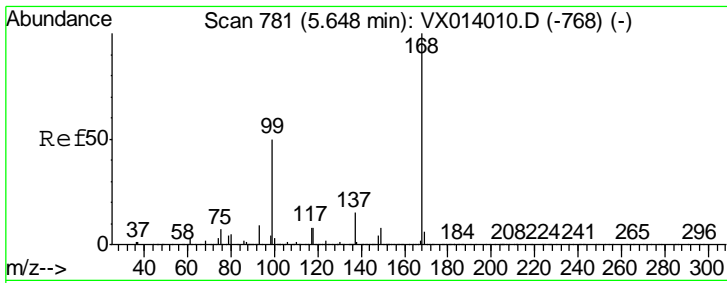
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 Data File : VX014254.D
 Acq On : 24 Dec 2019 18:45
 Operator : JC/SP
 Sample : K6405-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 998-MW-17A-(15.5)

Quant Time: Dec 25 08:07:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



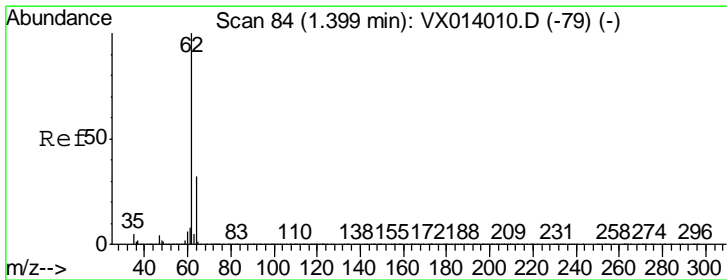
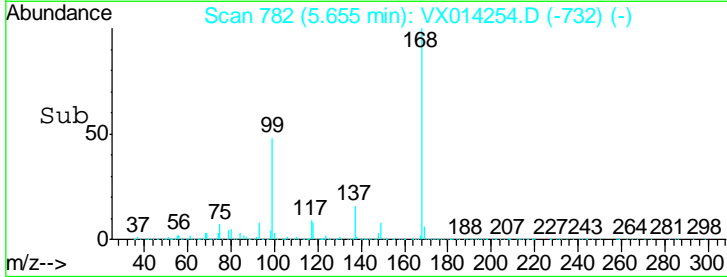
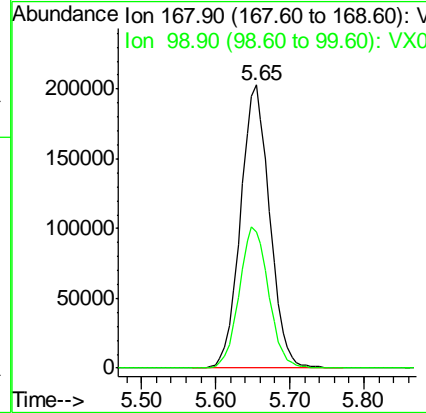
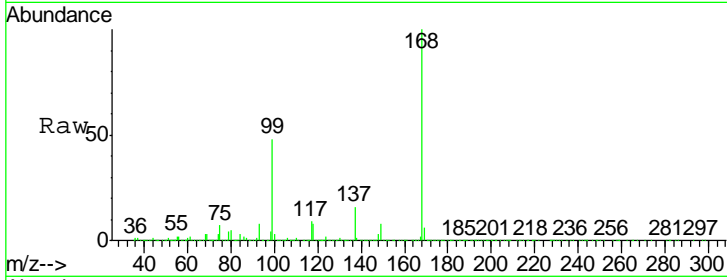
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

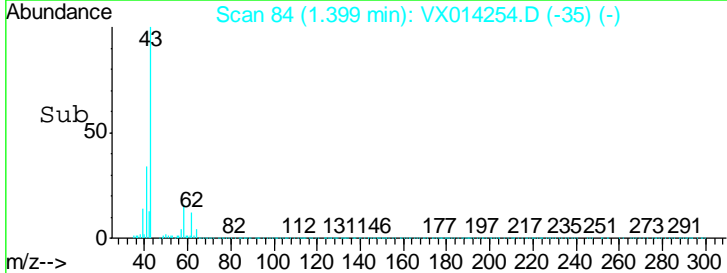
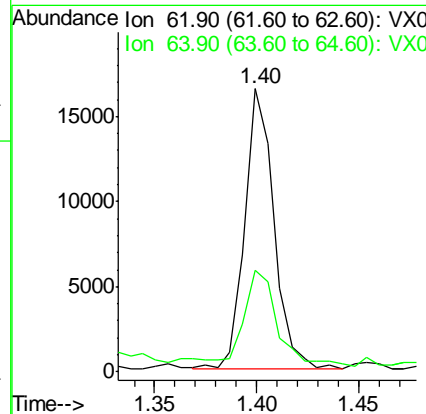
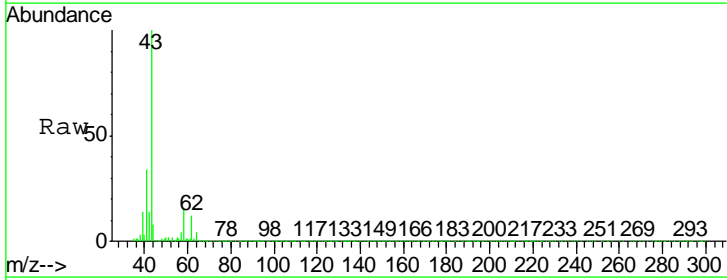
Instrument : MSVOA_X
 ClientSampled : 998-MW-17A-(15.5)

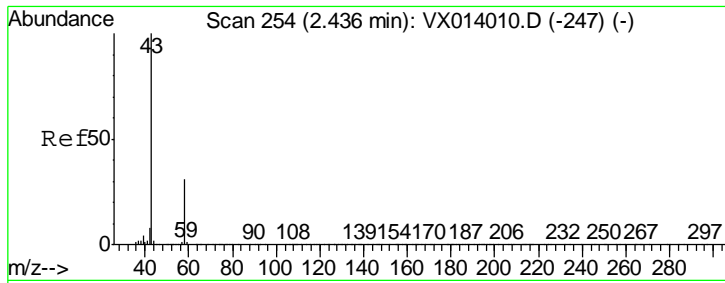
Tgt Ion	Resp	Lower	Upper
168	100		
99	47.8	40.3	60.5



#4
 Vinyl Chloride
 Concen: 2.298 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

Tgt Ion	Resp	Lower	Upper
62	100		
64	33.5	25.7	38.5

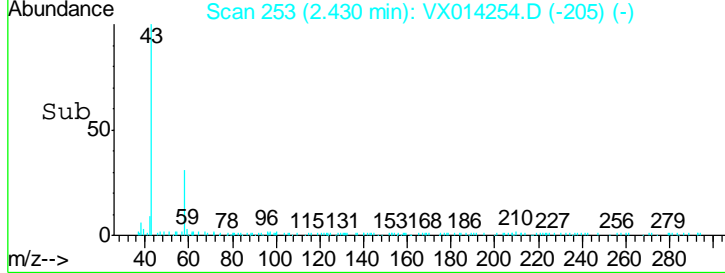
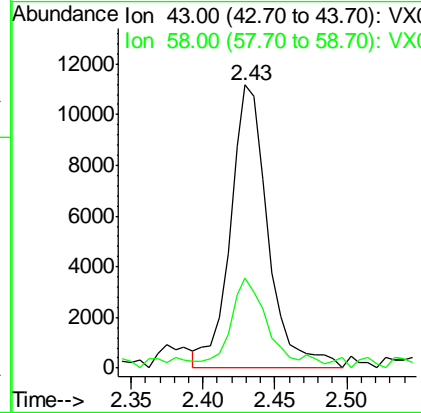
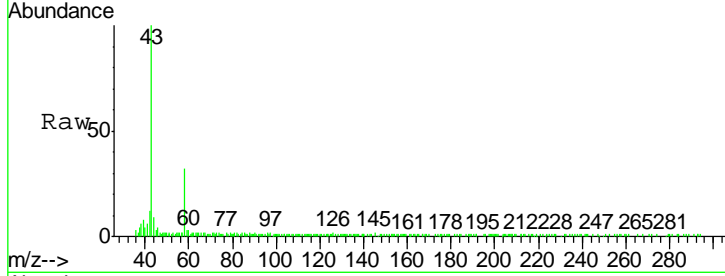




#16
 Acetone
 Concen: 4.989 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

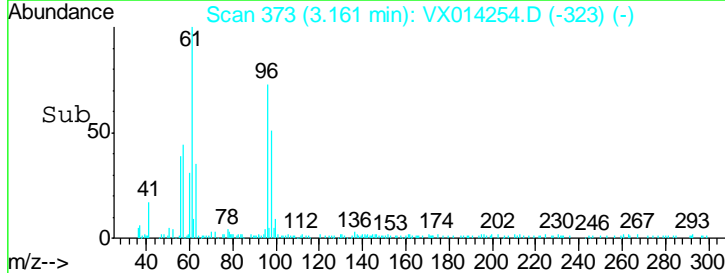
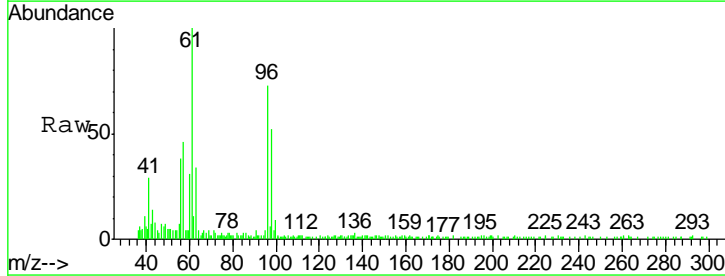
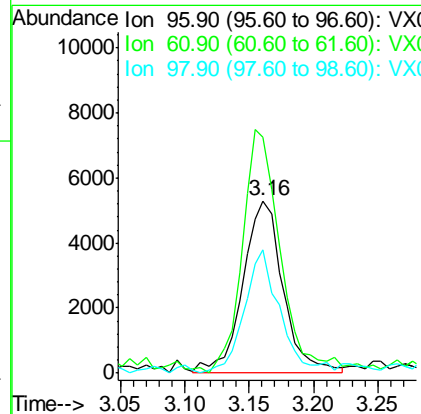
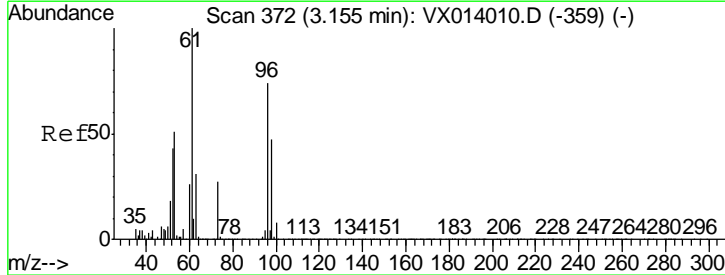
Instrument : MSVOA_X
 ClientSampled : 998-MW-17A-(15.5)

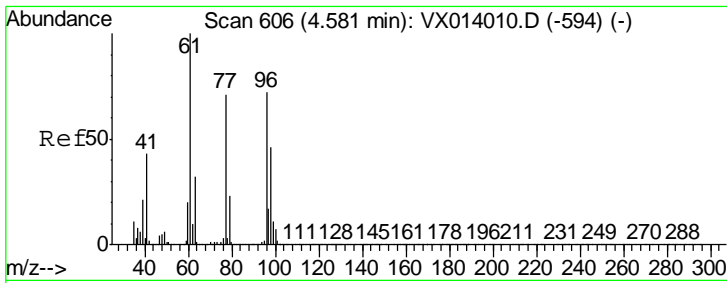
Tgt Ion	Resp	Lower	Upper
43	100		
58	29.6	24.9	37.3



#21
 trans-1,2-Dichloroethene
 Concen: 1.941 ug/l
 RT: 3.16 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

Tgt Ion	Resp	Lower	Upper
96	100		
61	134.2	108.3	162.5
98	70.2	50.8	76.2

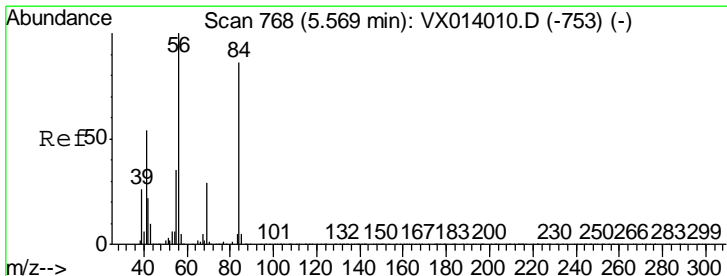
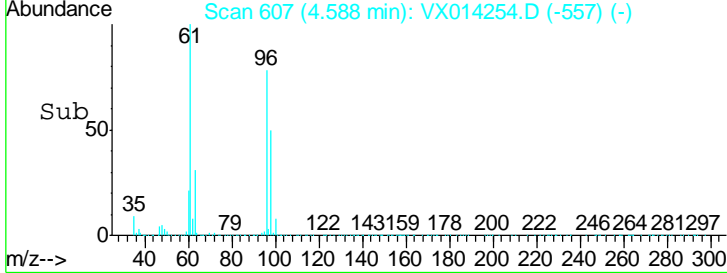
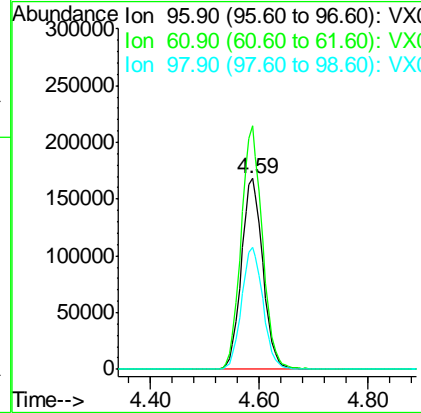
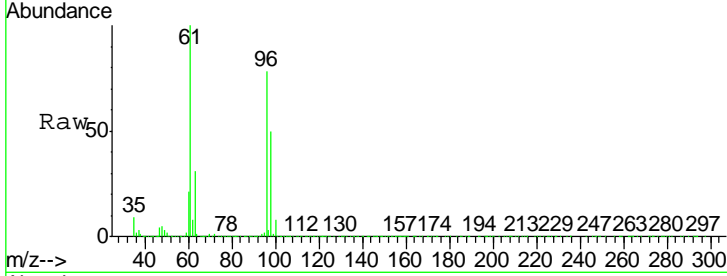




#27
 cis-1,2-Dichloroethene
 Concen: 69.593 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

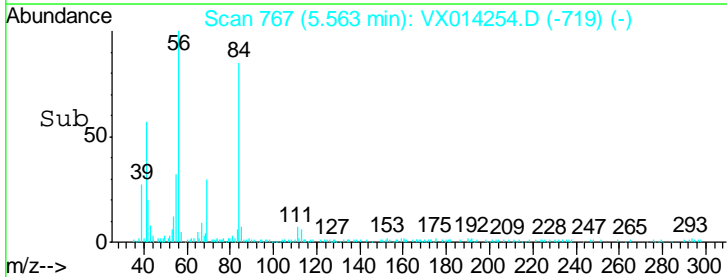
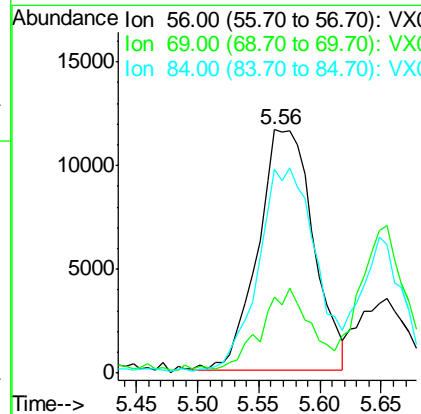
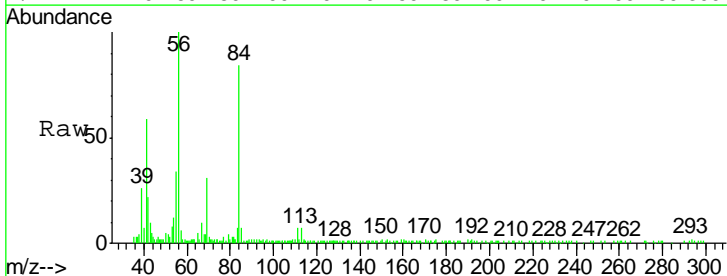
Instrument : MSVOA_X
 ClientSampleId : 998-MW-17A-(15.5)

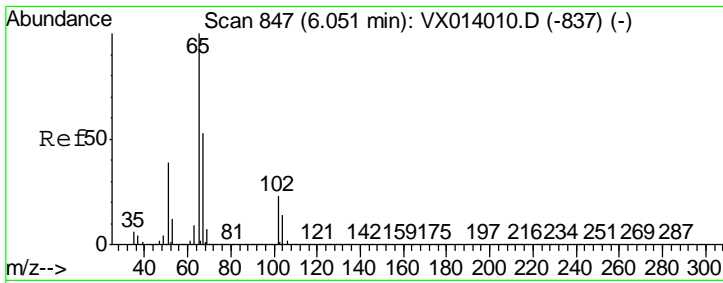
Tgt Ion	Resp	Lower	Upper
96	463831		
61	125.3	0.0	288.4
98	63.5	0.0	129.6



#31
 Cyclohexane
 Concen: 3.896 ug/l
 RT: 5.56 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

Tgt Ion	Resp	Lower	Upper
56	36696		
69	29.5	23.2	34.8
84	83.8	69.2	103.8

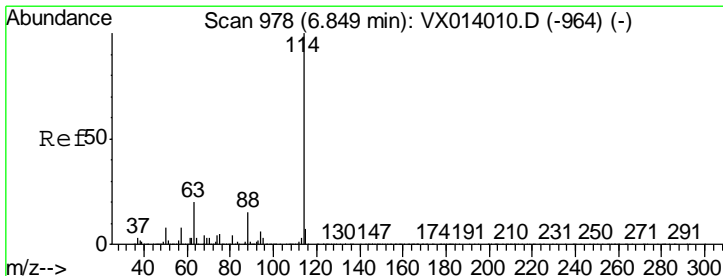
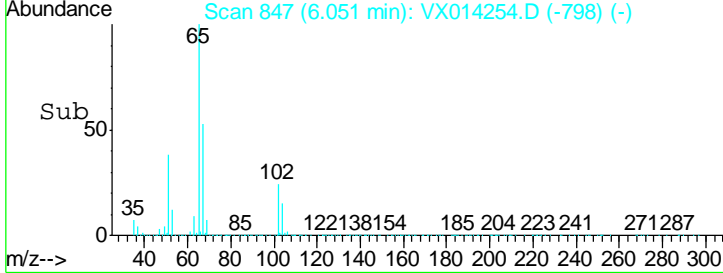
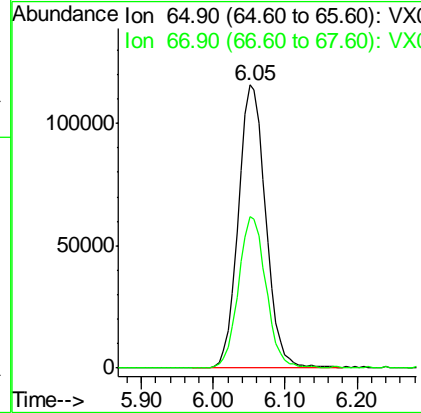
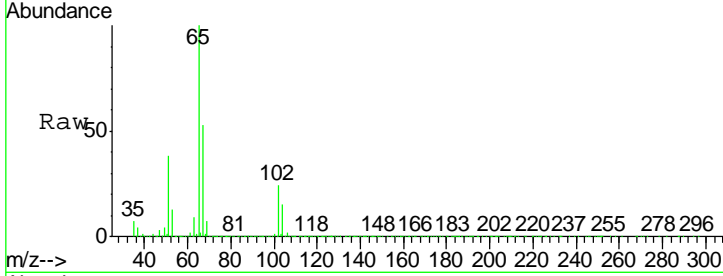




#33
 1,2-Dichloroethane-d4
 Concen: 48.551 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

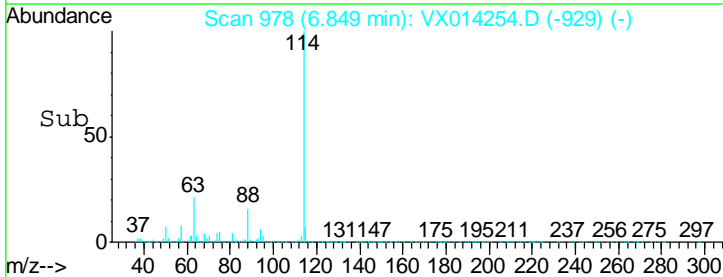
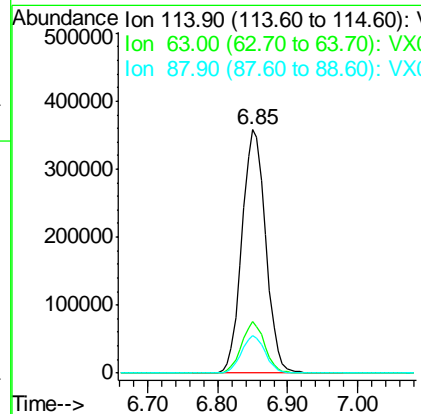
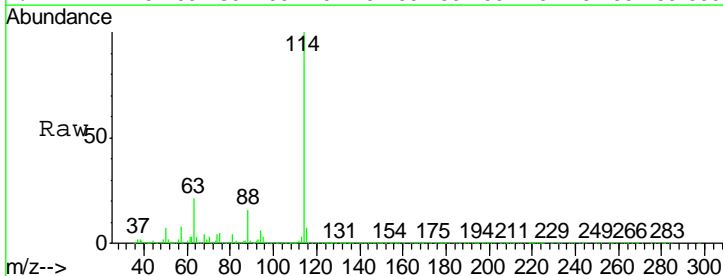
Instrument : MSVOA_X
 ClientSampled : 998-MW-17A-(15.5)

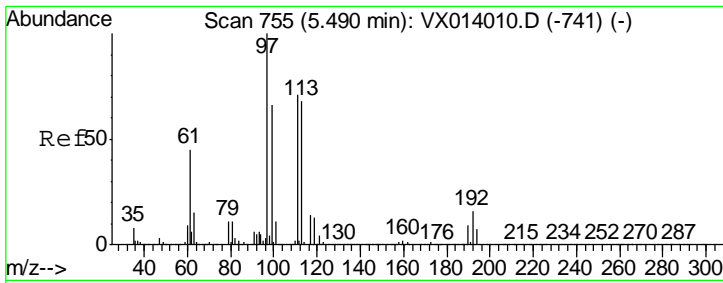
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.1	0.0	106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	15.6	0.0	30.4

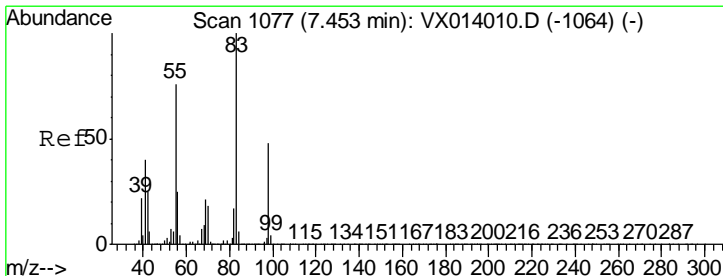
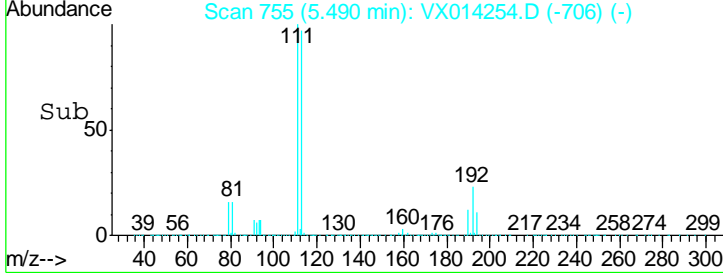
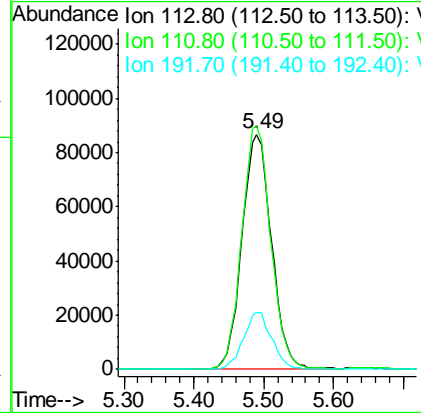
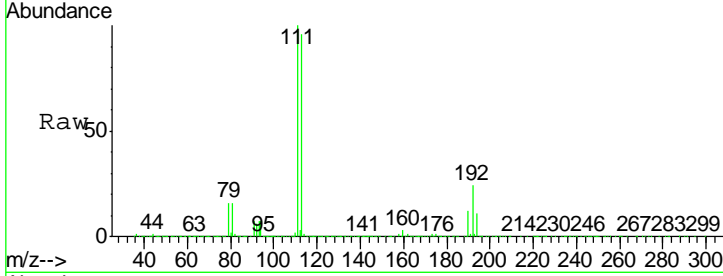




#35
 Dibromofluoromethane
 Concen: 49.579 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

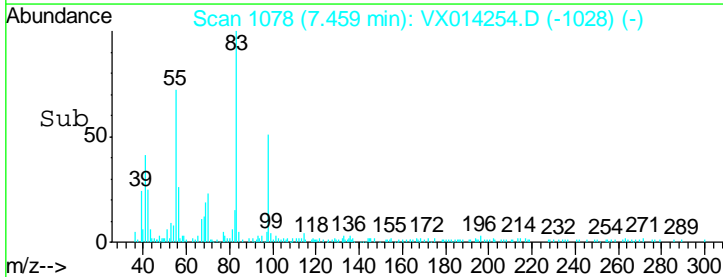
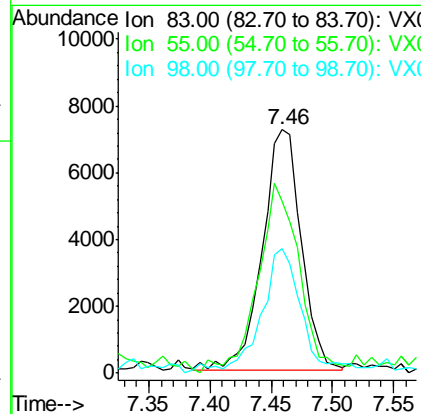
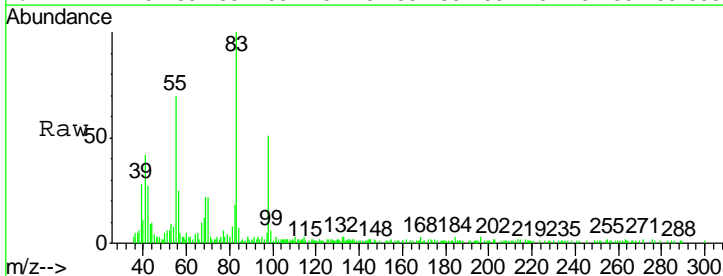
Instrument : MSVOA_X
 ClientSampleId : 998-MW-17A-(15.5)

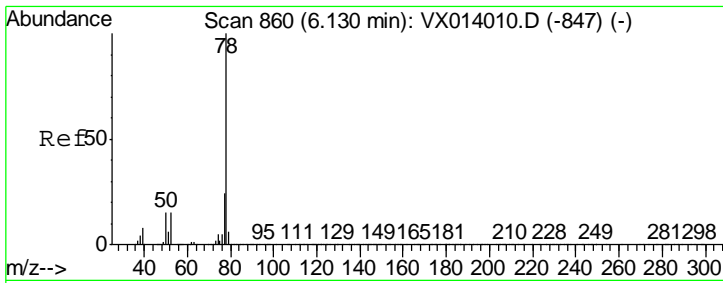
Tgt Ion	Resp	Lower	Upper
113	254407		
113	100		
111	101.5	82.0	123.0
192	23.2	19.3	28.9



#39
 Methylcyclohexane
 Concen: 1.679 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

Tgt Ion	Resp	Lower	Upper
83	16060		
83	100		
55	69.7	61.0	91.6
98	50.5	38.6	57.8

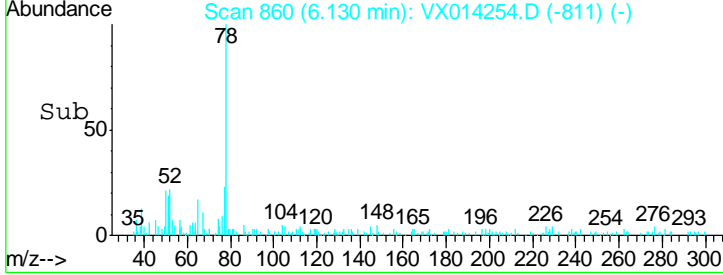
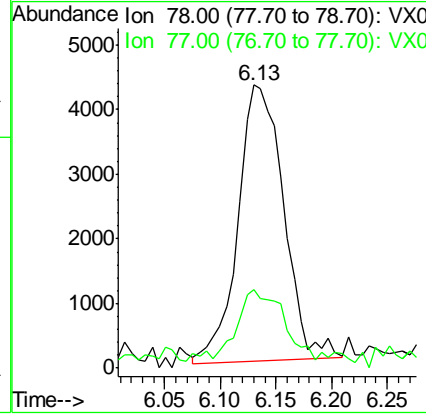
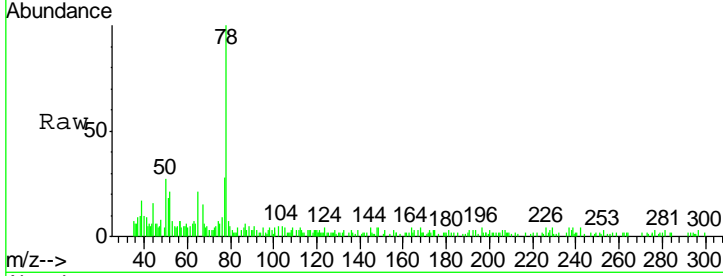




#40
Benzene
Concen: 0.510 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014254.D
Acq: 24 Dec 2019 18:45

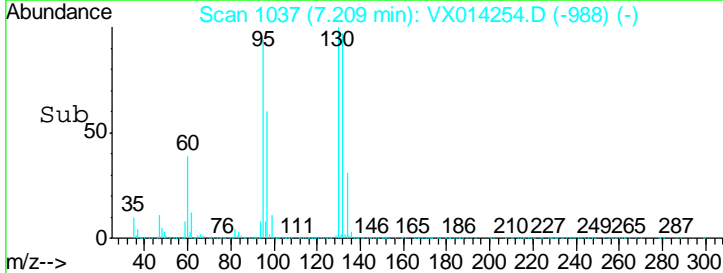
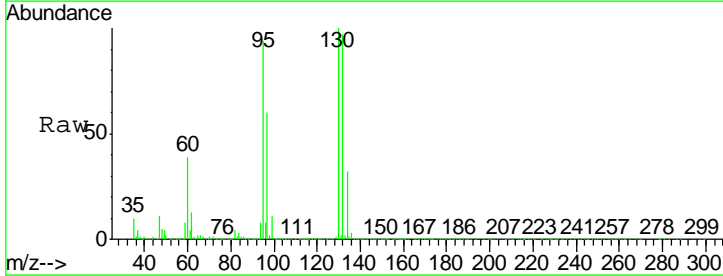
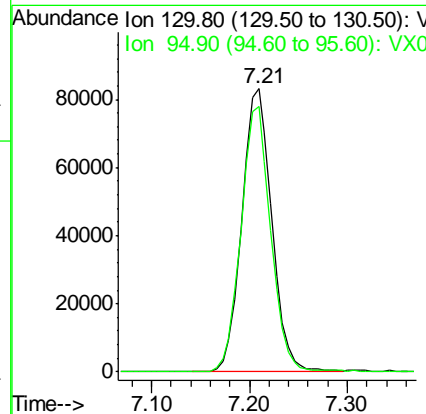
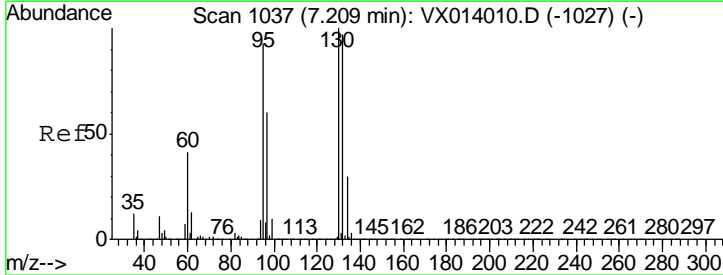
Instrument : MSVOA_X
Client Sampled : 998-MW-17A-(15.5)

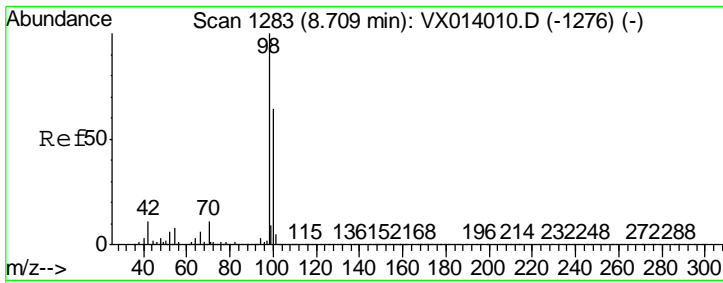
Tgt Ion	Resp	Lower	Upper
78	12150		
77	23.5	18.8	28.2



#44
Trichloroethene
Concen: 26.634 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX014254.D
Acq: 24 Dec 2019 18:45

Tgt Ion	Resp	Lower	Upper
130	175315		
95	93.9	0.0	185.6

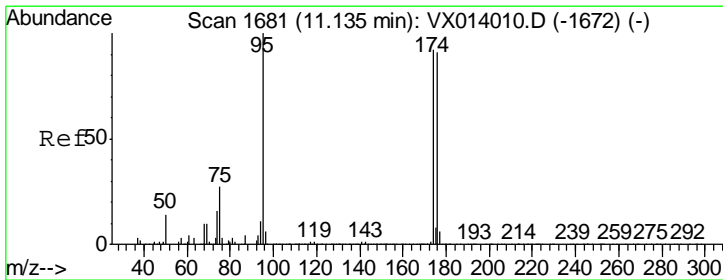
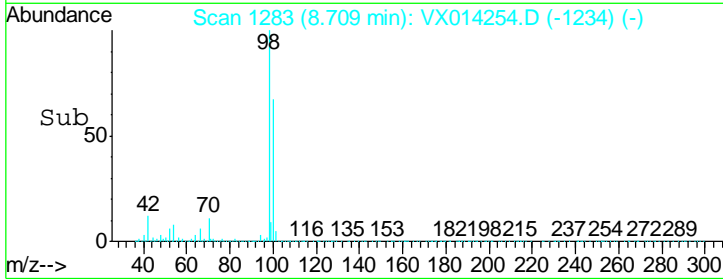
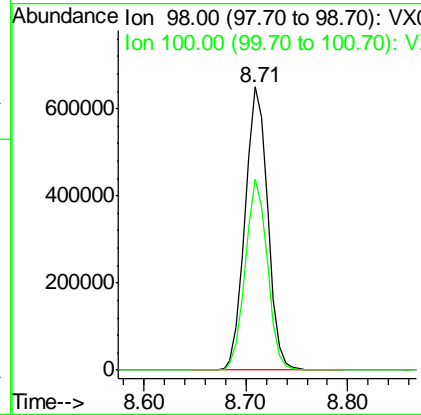
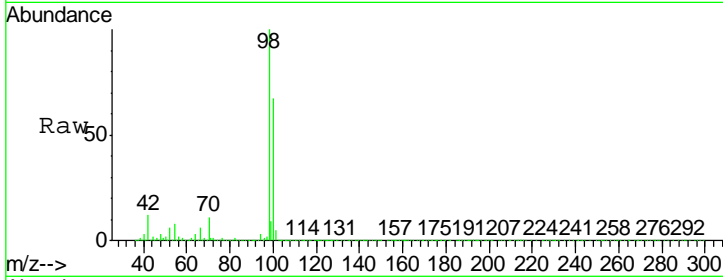




#50
Toluene-d8
Concen: 49.741 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014254.D
Acq: 24 Dec 2019 18:45

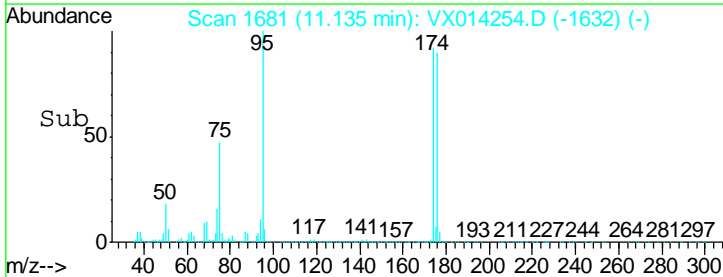
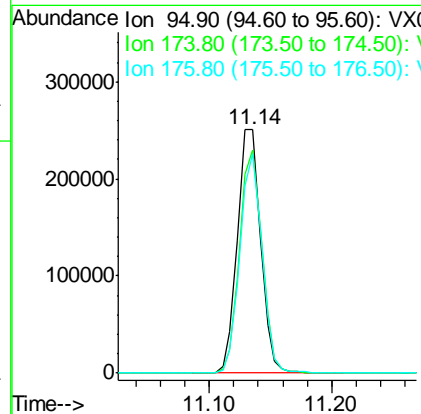
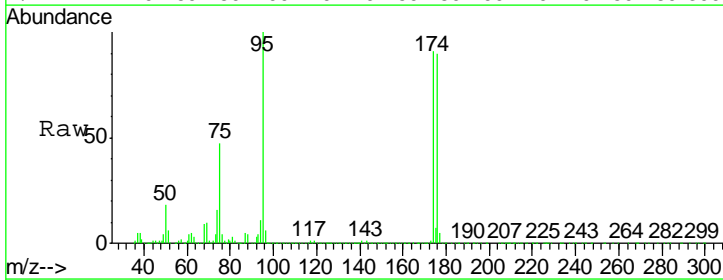
Instrument : MSVOA_X
Client Sampled : 998-MW-17A-(15.5)

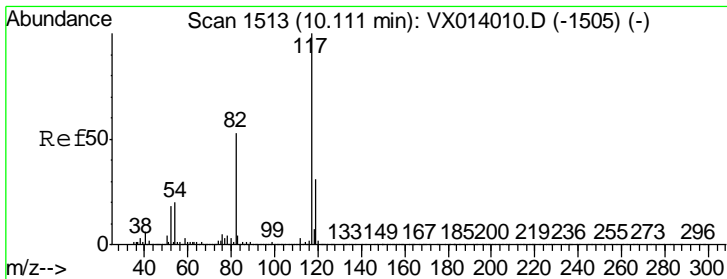
Tgt Ion	Resp	Lower	Upper
98	993695		
100	65.8	52.9	79.3



#62
4-Bromofluorobenzene
Concen: 45.165 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014254.D
Acq: 24 Dec 2019 18:45

Tgt Ion	Resp	Lower	Upper
95	329822		
174	88.1	0.0	175.8
176	85.4	0.0	173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014254.D

Acq: 24 Dec 2019 18:45

Instrument :

MSVOA_X

ClientSampled :

998-MW-17A-(15.5)

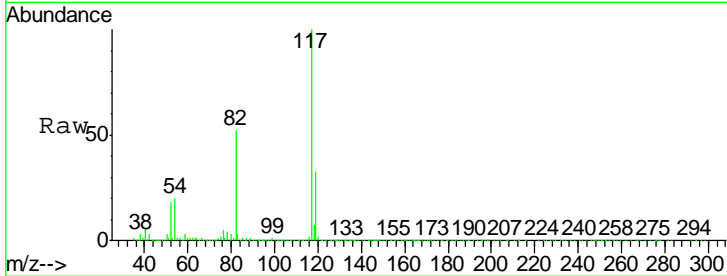
Tgt Ion:117 Resp: 741493

Ion Ratio Lower Upper

117 100

82 52.0 42.2 63.4

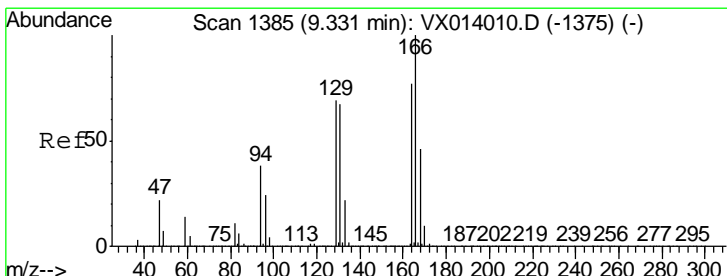
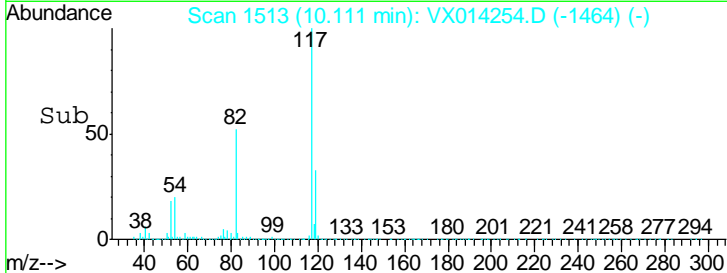
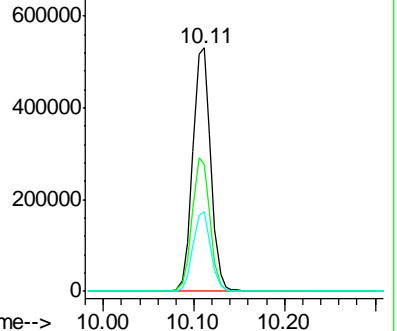
119 32.9 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 28.020 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014254.D

Acq: 24 Dec 2019 18:45

Tgt Ion:164 Resp: 183845

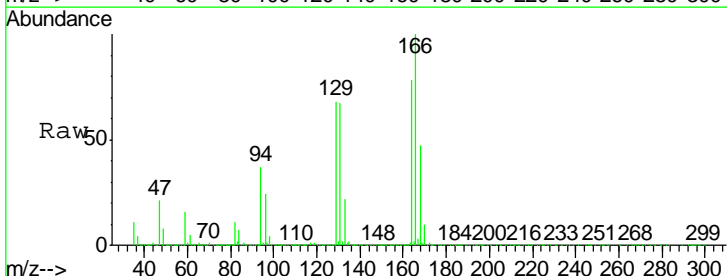
Ion Ratio Lower Upper

164 100

166 128.0 104.0 156.0

129 86.8 72.2 108.4

131 85.2 69.6 104.4

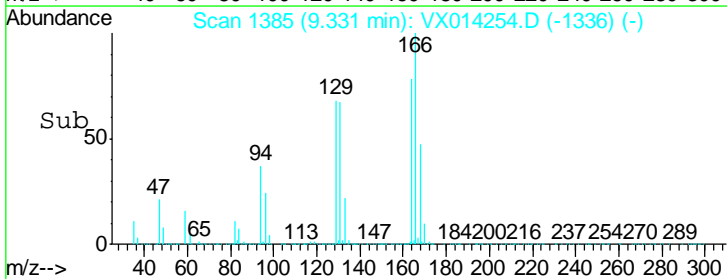
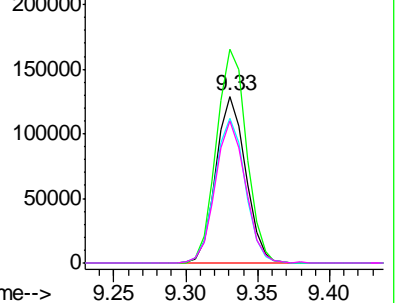


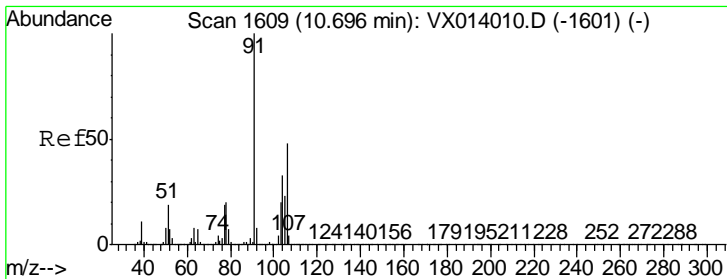
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

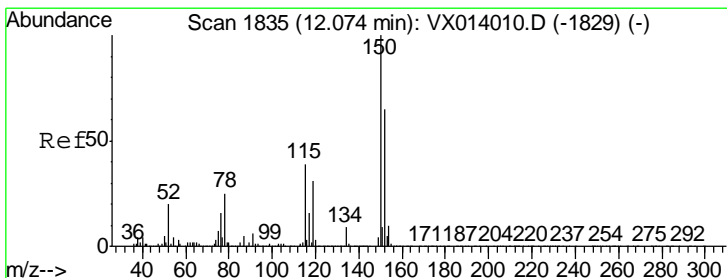
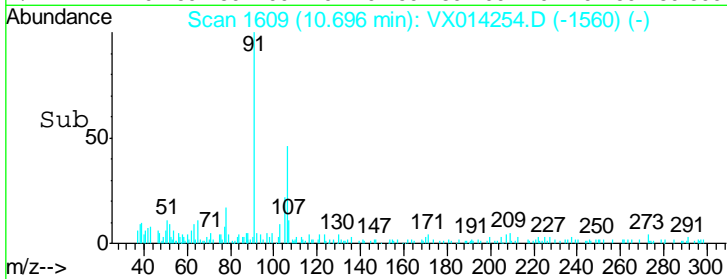
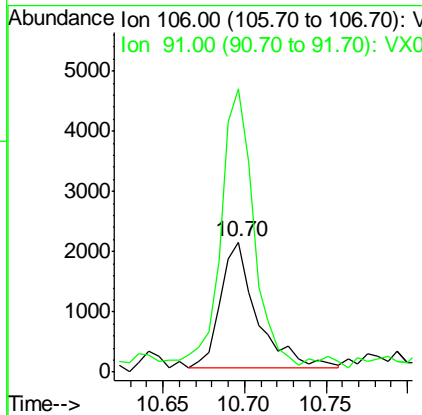
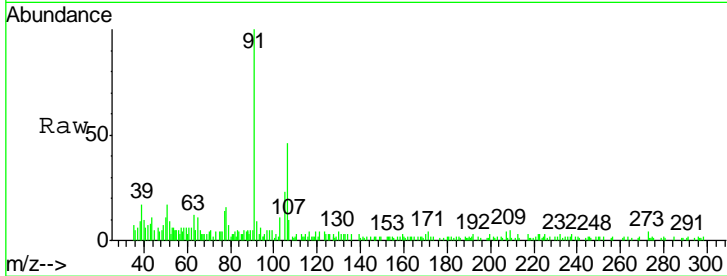




#69
 o-Xylene
 Concen: 0.319 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

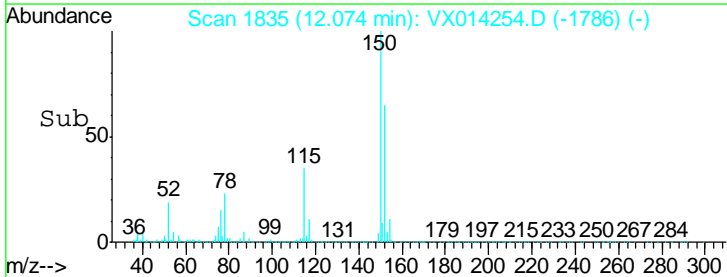
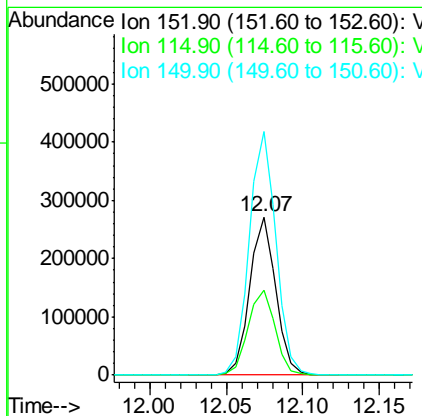
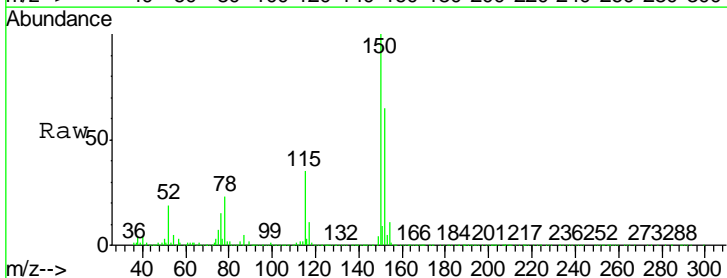
Instrument : MSVOA_X
 ClientSampled : 998-MW-17A-(15.5)

Tgt Ion	Resp	Lower	Upper
106	100		
91	192.9	104.2	312.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014254.D
 Acq: 24 Dec 2019 18:45

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.8	38.3	114.9
150	158.6	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014254.D
 Acq On : 24 Dec 2019 18:45
 Operator : JC/SP
 Sample : K6405-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 998-MW-17A-(15.5)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	38	rBV	993064	1213534	46.85%	5.873%
2	1.168	43	46	52	rVB	77228	73430	2.83%	0.355%
3	1.265	59	62	64	rBV	65674	68275	2.64%	0.330%
4	1.296	64	67	75	rVB	280721	292045	11.27%	1.413%
5	1.399	80	84	89	rVV	298016	284030	10.96%	1.375%
6	1.600	109	117	121	rVB9	31179	61268	2.37%	0.297%
7	1.783	143	147	157	rVB	261414	360019	13.90%	1.742%
8	1.991	177	181	187	rVB	82643	121151	4.68%	0.586%
9	2.253	222	224	231	rVB2	24749	42699	1.65%	0.207%
10	2.430	248	253	262	rVB	17704	31752	1.23%	0.154%
11	2.588	273	279	288	rBV	74653	139701	5.39%	0.676%
12	2.923	331	334	341	rVB2	18756	37589	1.45%	0.182%
13	3.161	365	373	381	rBV2	33223	75935	2.93%	0.368%
14	4.393	567	575	584	rBV3	26901	77260	2.98%	0.374%
15	4.588	595	607	622	rBV	719332	1975586	76.27%	9.561%
16	5.490	744	755	763	rBV	288928	834421	32.21%	4.038%
17	5.575	764	769	773	rVV2	51493	133007	5.13%	0.644%
18	5.655	773	782	793	rVB	534741	1476479	57.00%	7.146%
19	6.051	838	847	857	rBV	331440	850848	32.85%	4.118%
20	6.849	969	978	990	rBV	805454	1882702	72.68%	9.112%
21	7.209	1026	1037	1047	rBV	441289	927256	35.80%	4.488%
22	7.459	1071	1078	1085	rVB2	33687	72896	2.81%	0.353%
23	8.709	1274	1283	1292	rBV	1697696	2590356	100.00%	12.537%
24	9.331	1377	1385	1393	rBV	928965	1339870	51.73%	6.485%
25	10.105	1507	1512	1521	rBV	1555122	2164010	83.54%	10.473%
26	11.135	1675	1681	1691	rBV	1237321	1615368	62.36%	7.818%
27	12.074	1830	1835	1842	rBV	1540086	1865744	72.03%	9.030%
28	12.269	1857	1867	1874	rBV	33549	55194	2.13%	0.267%

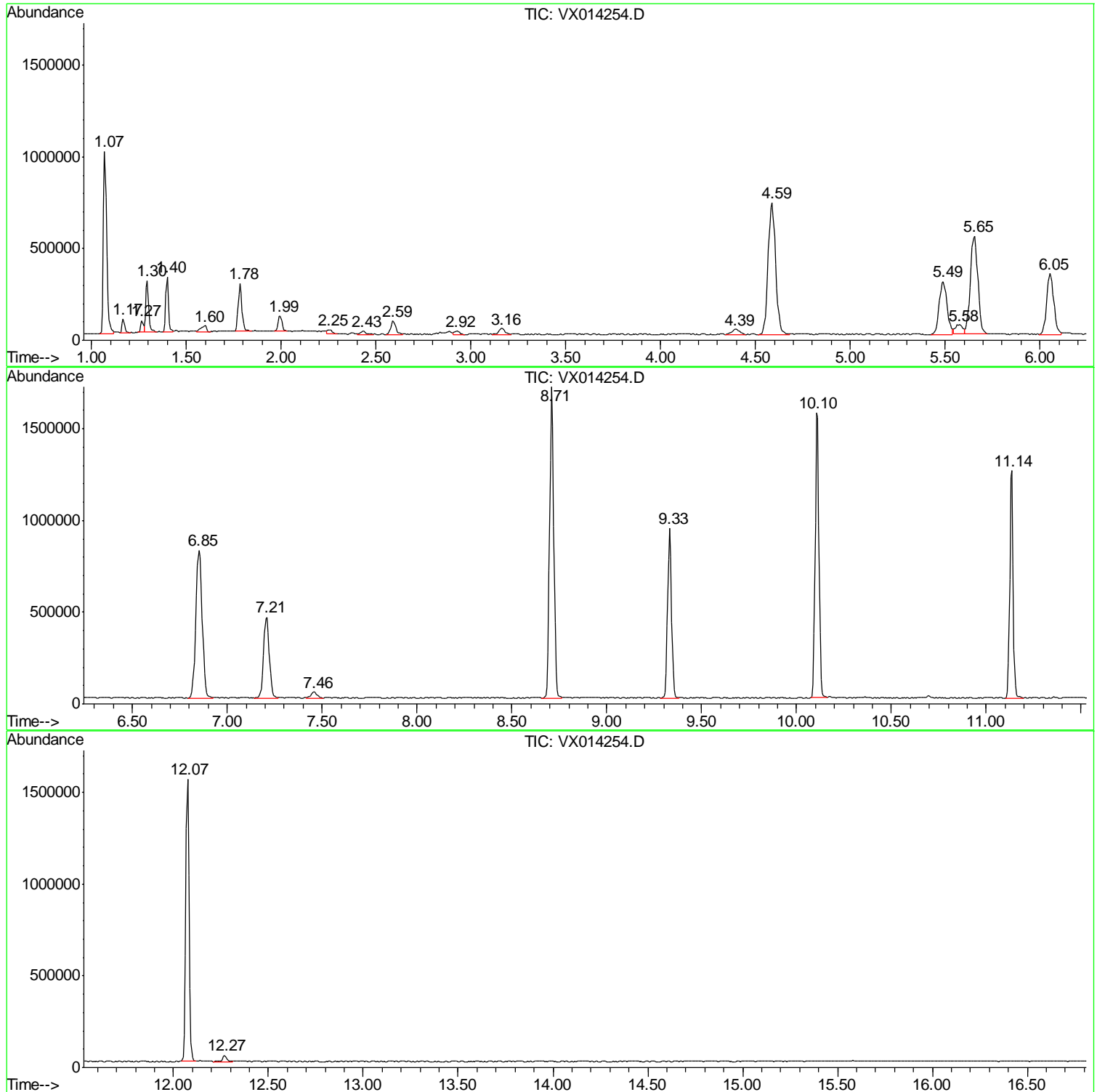
Sum of corrected areas: 20662425

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
Data File : VX014254.D
Acq On : 24 Dec 2019 18:45
Operator : JC/SP
Sample : K6405-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
998-MW-17A-(15.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014254.D
 Acq On : 24 Dec 2019 18:45
 Operator : JC/SP
 Sample : K6405-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 998-MW-17A-(15.5)

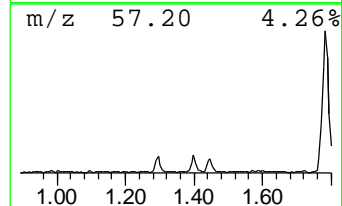
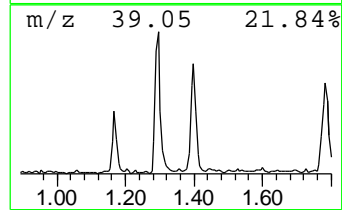
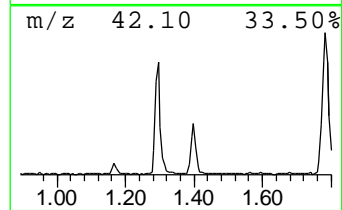
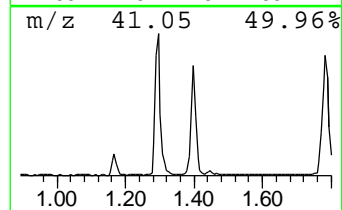
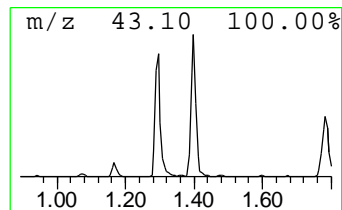
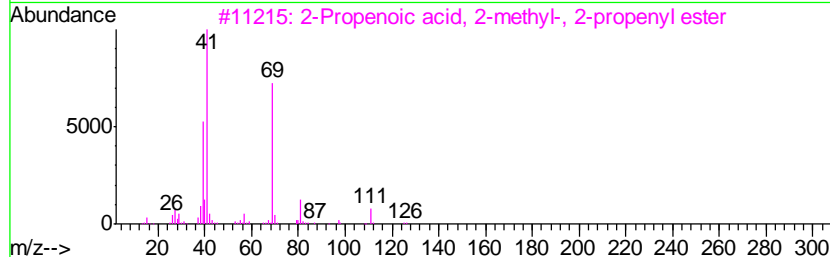
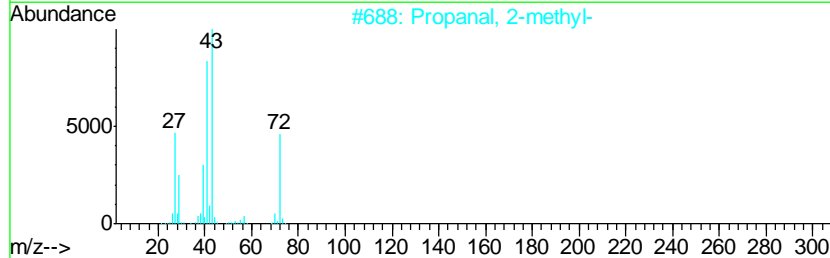
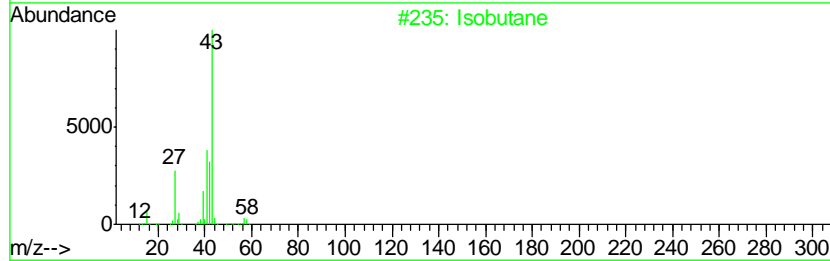
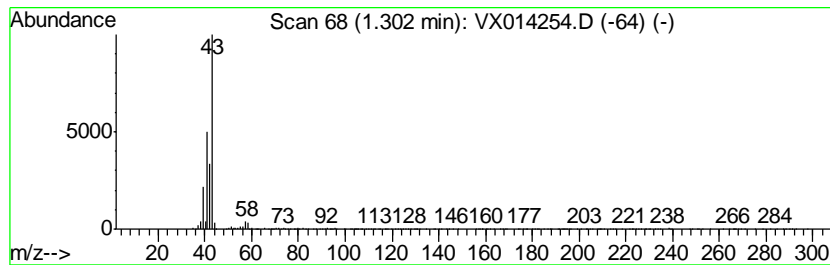
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

 Peak Number 2 Isobutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	9.89 ug/l	292045	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isobutane	58	C4H10	000075-28-5	72
2		Propanal, 2-methyl-	72	C4H8O	000078-84-2	25
3		2-Propenoic acid, 2-methyl-, 2-p...	126	C7H10O2	000096-05-9	9
4		Isopropylsulfonfyl chloride	142	C3H7ClO2S	010147-37-2	9
5		Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	9



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014254.D
 Acq On : 24 Dec 2019 18:45
 Operator : JC/SP
 Sample : K6405-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 998-MW-17A-(15.5)

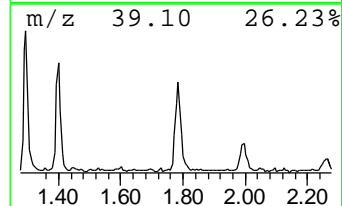
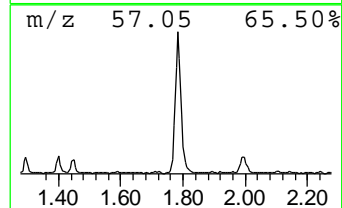
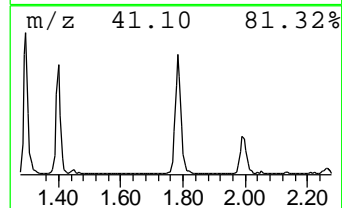
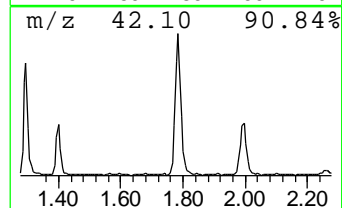
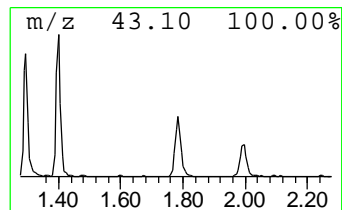
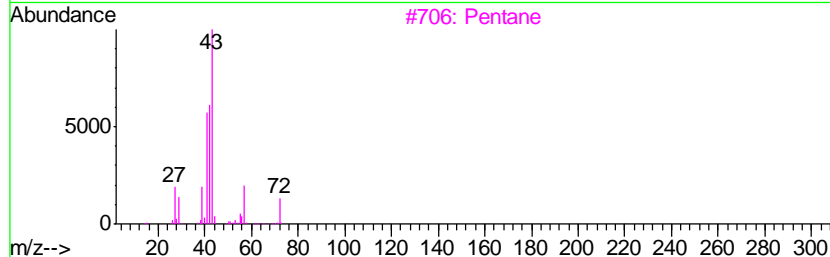
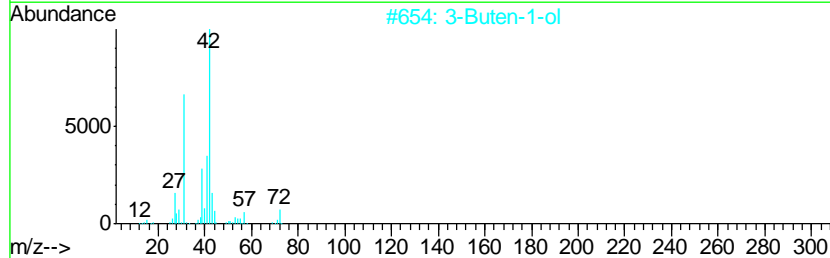
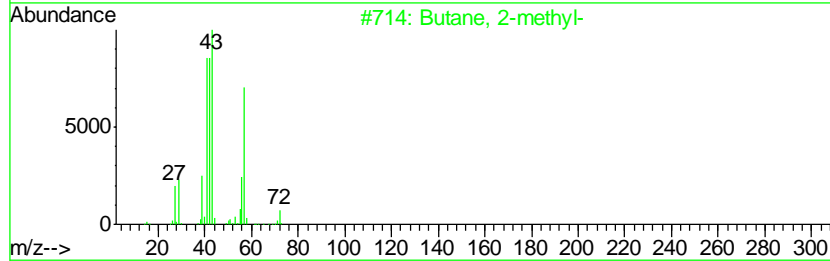
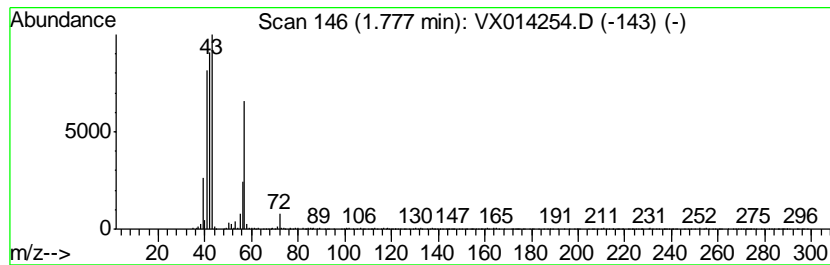
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

 Peak Number 3 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	12.19 ug/l	360019	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2		3-Buten-1-ol	72	C4H8O	000627-27-0	43
3		Pentane	72	C5H12	000109-66-0	36
4		Cyclobutane, methyl-	70	C5H10	000598-61-8	25
5		1-Butene	56	C4H8	000106-98-9	10



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
 Data File : VX014254.D
 Acq On : 24 Dec 2019 18:45
 Operator : JC/SP
 Sample : K6405-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 998-MW-17A-(15.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Isobutane	1.30	9.9	ug/l	292045	1	5.65	1476480	50.0
Butane, 2-methyl-	1.78	12.2	ug/l	360019	1	5.65	1476480	50.0

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



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	999-MW-18-(21.5)	SDG No.:	K6405
Lab Sample ID:	K6405-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014275.D	1		12/26/19 17:31	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.12	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.40	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	4.70		0.15	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.080	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.20	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.13	1.00	ug/L
100-42-5	Styrene	1.00	U	0.11	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		61 - 141	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		69 - 133	97%	SPK: 50
2037-26-5	Toluene-d8	49.8		65 - 126	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		58 - 135	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	527000	5.65			
540-36-3	1,4-Difluorobenzene	827000	6.85			
3114-55-4	Chlorobenzene-d5	741000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	320000	12.07			
TENTATIVE IDENTIFIED COMPOUNDS						
67-63-0	Isopropyl Alcohol	6.70	J		2.59	ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014275.D
 Acq On : 26 Dec 2019 17:31
 Operator : JC/SP
 Sample : K6405-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 999-MW-18-(21.5)

Quant Time: Dec 27 07:12:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

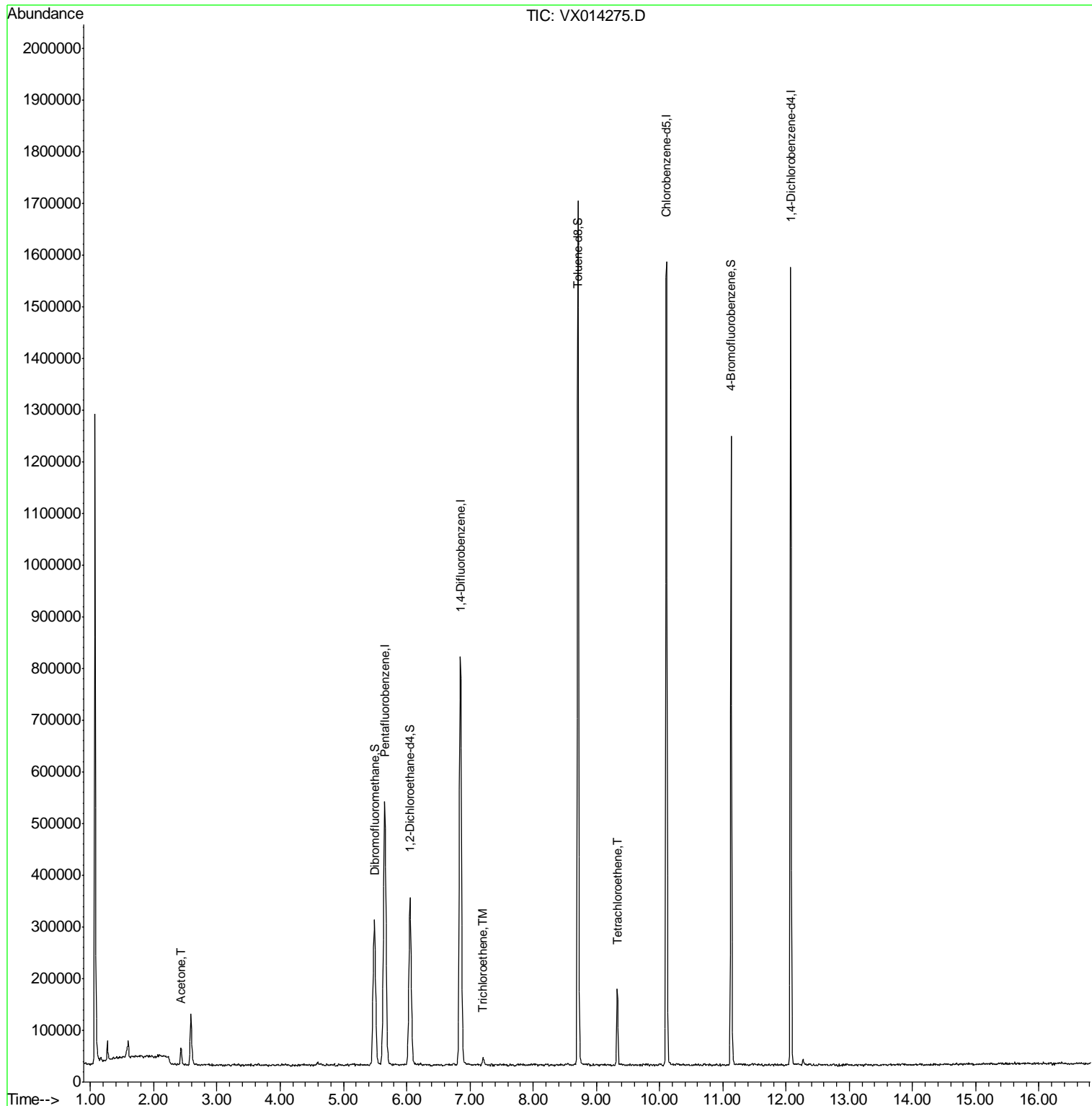
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	527117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	826945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	741103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	320484	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	298937	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	5.49	113	243034	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	8.71	98	975414	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	326249	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
Target Compounds						
16) Acetone	2.43	43	35901	9.256	ug/l	95
44) Trichloroethene	7.21	130	6232	0.966	ug/l	90
64) Tetrachloroethene	9.33	164	30510	4.652	ug/l	96

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

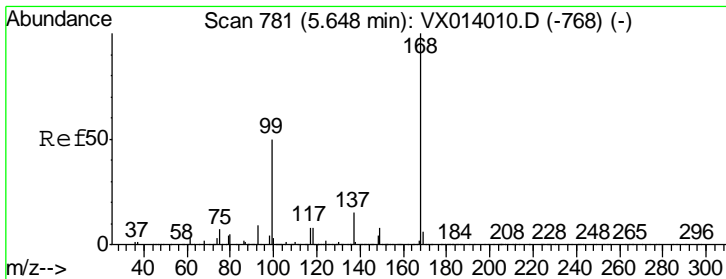
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 Data File : VX014275.D
 Acq On : 26 Dec 2019 17:31
 Operator : JC/SP
 Sample : K6405-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 999-MW-18-(21.5)

Quant Time: Dec 27 07:12:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



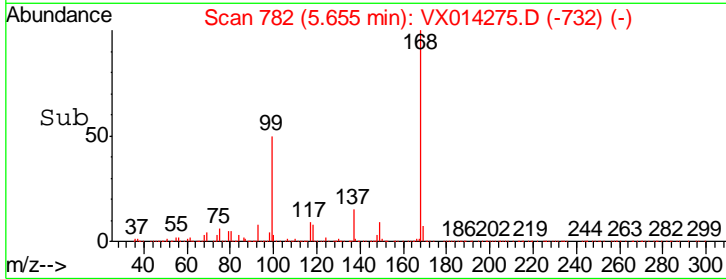
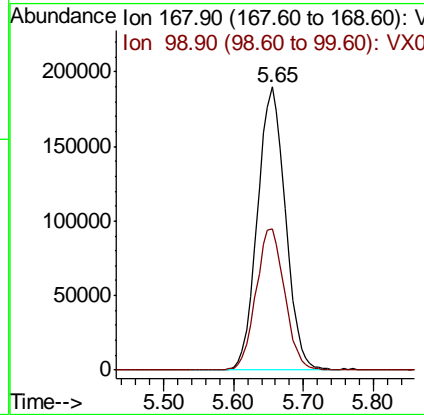
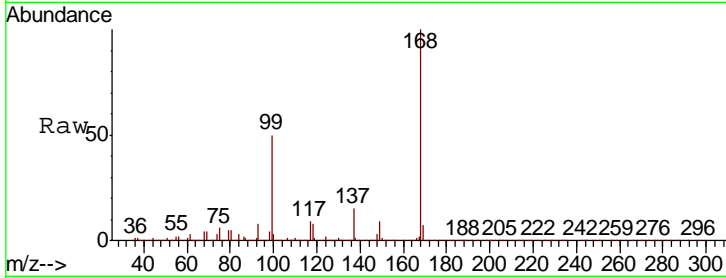
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

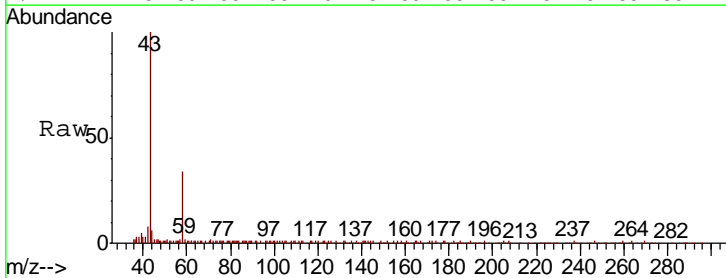
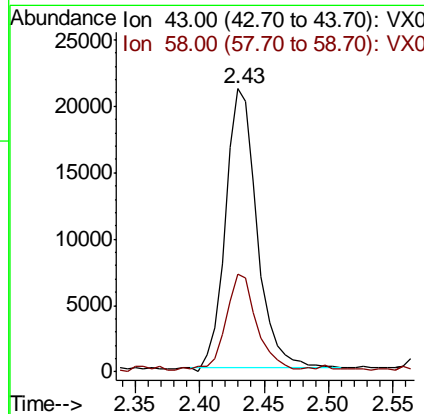
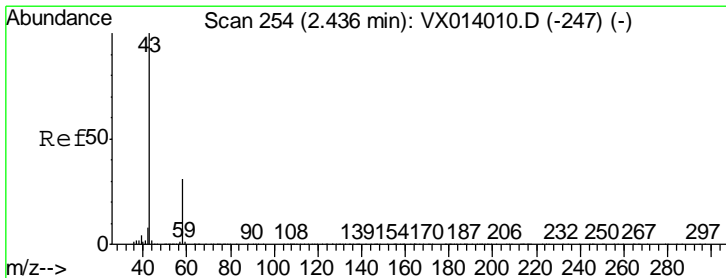
Instrument : MSVOA_X
 ClientSampled : 999-MW-18-(21.5)

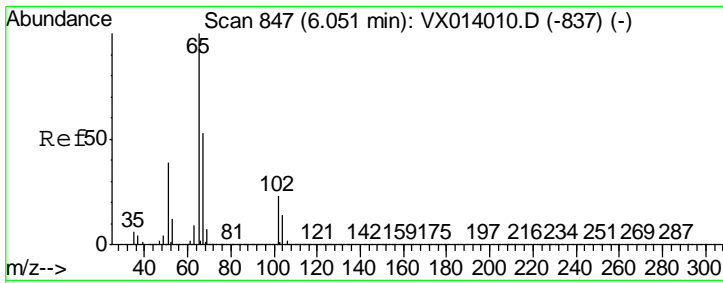
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.8	40.3	60.5



#16
 Acetone
 Concen: 9.256 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.7	24.9	37.3

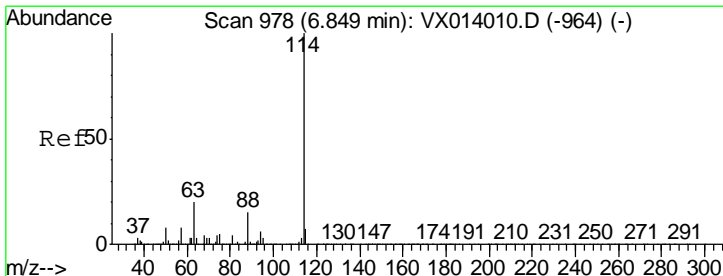
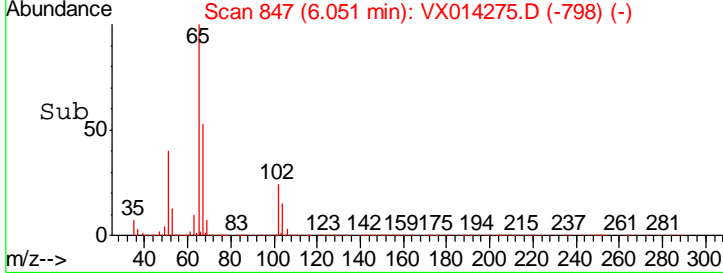
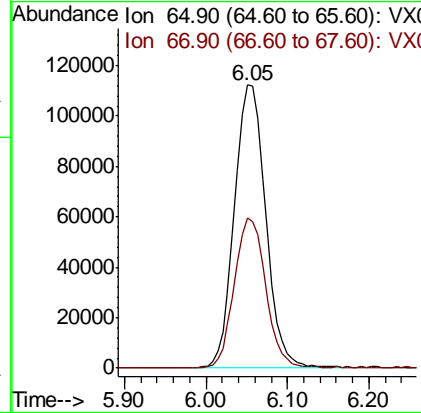
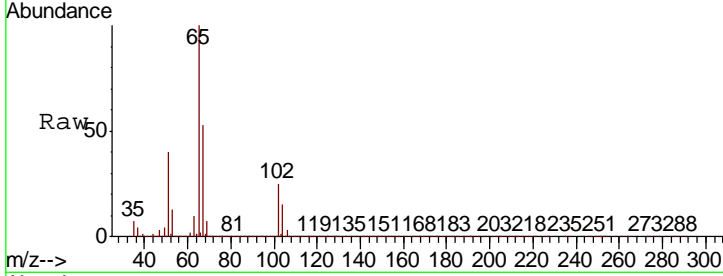




#33
 1,2-Dichloroethane-d4
 Concen: 50.038 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

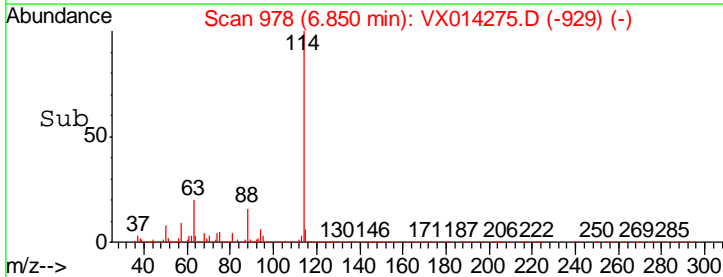
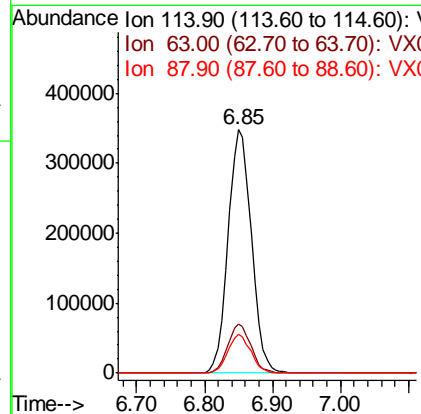
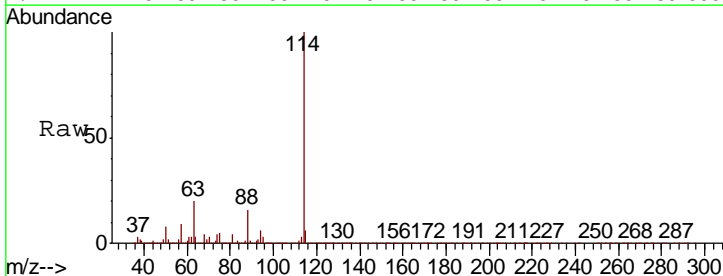
Instrument : MSVOA_X
 ClientSampled : 999-MW-18-(21.5)

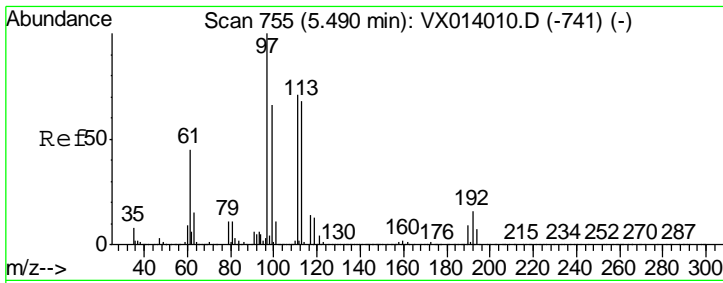
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.7	0.0	106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	15.8	0.0	30.4

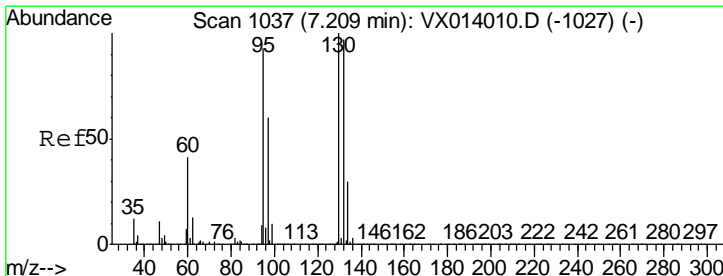
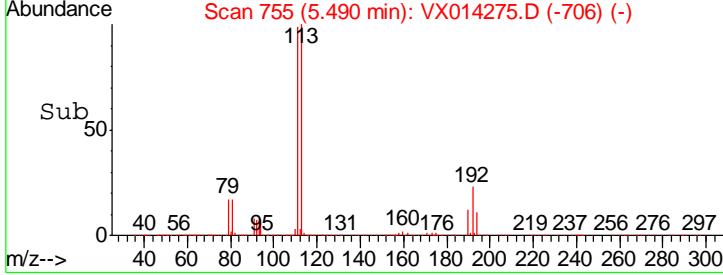
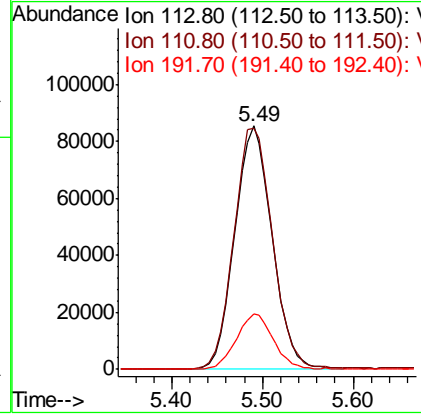
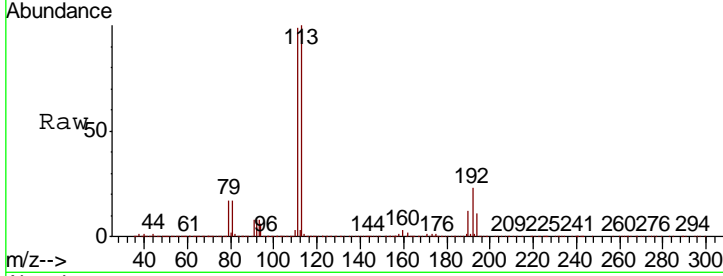




#35
 Dibromofluoromethane
 Concen: 48.347 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

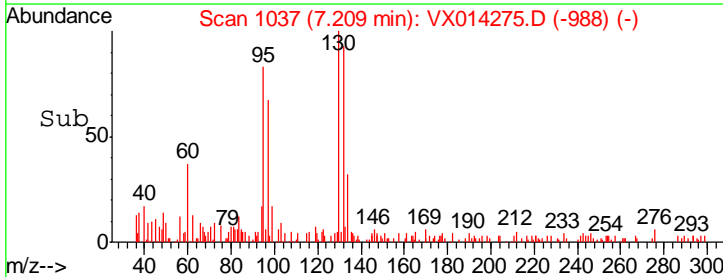
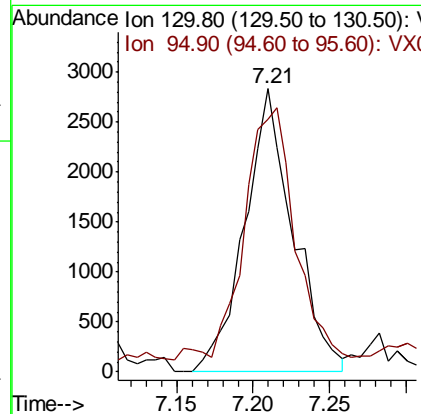
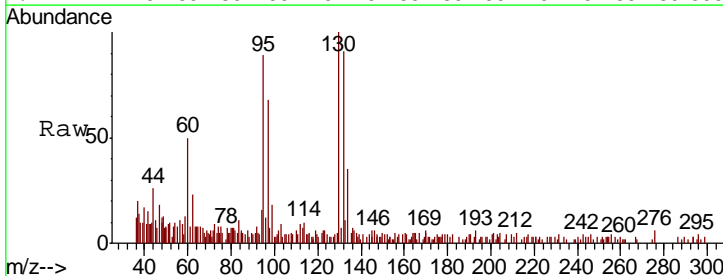
Instrument : MSVOA_X
 ClientSampleId : 999-MW-18-(21.5)

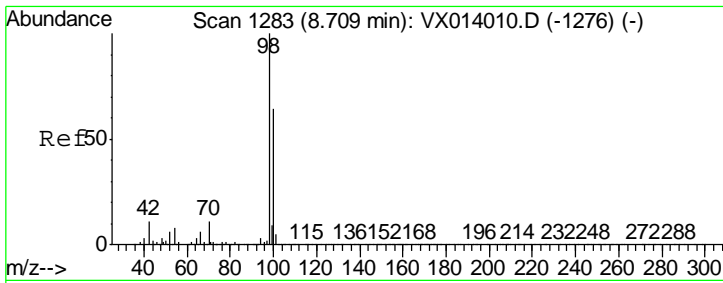
Tgt Ion	Resp	Lower	Upper
113	243034		
111	102.6	82.0	123.0
192	22.6	19.3	28.9



#44
 Trichloroethene
 Concen: 0.966 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

Tgt Ion	Resp	Lower	Upper
130	6232		
95	83.1	0.0	185.6

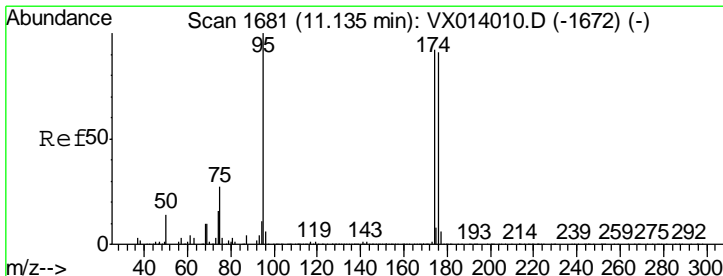
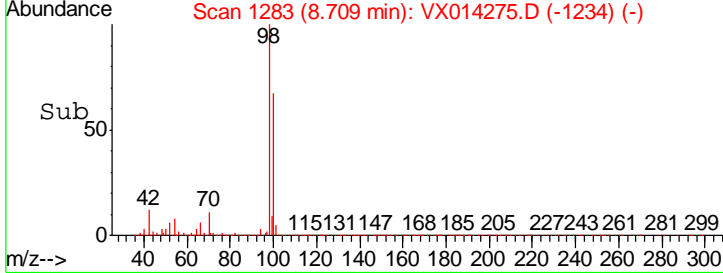
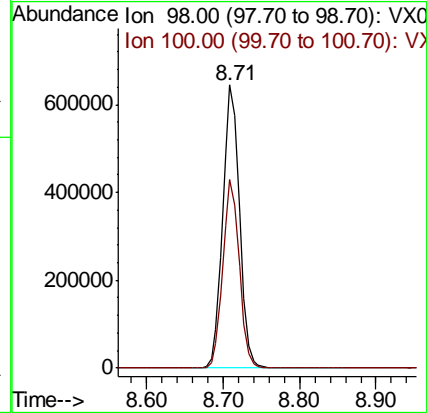
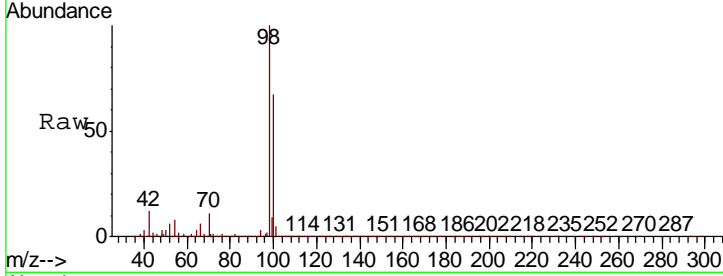




#50
 Toluene-d8
 Concen: 49.840 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

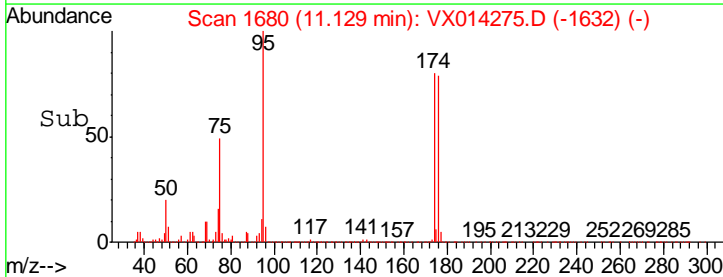
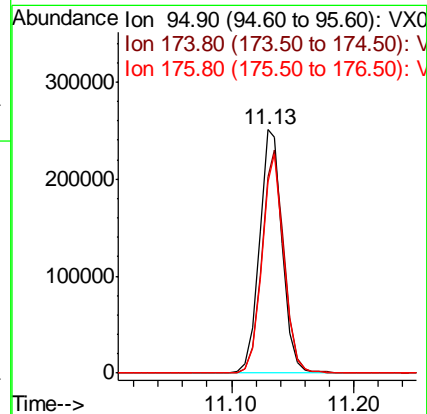
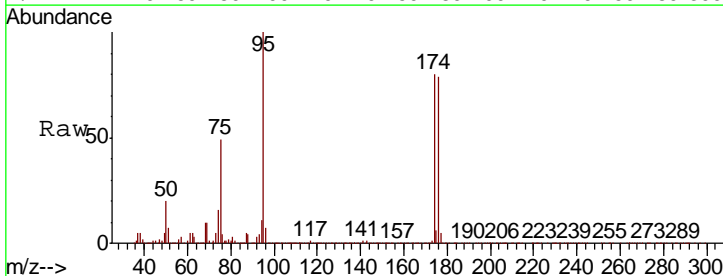
Instrument : MSVOA_X
 ClientSampled : 999-MW-18-(21.5)

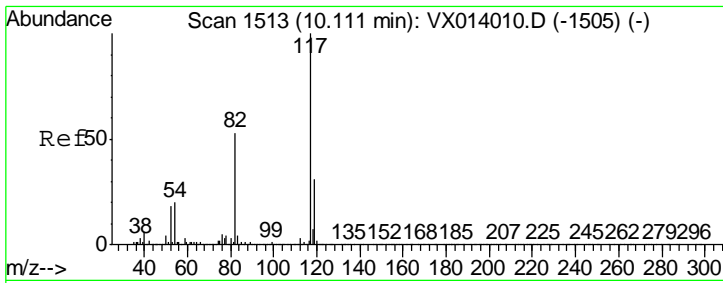
Tgt Ion	Resp	Lower	Upper
98	975414		
98	100		
100	65.5	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 45.603 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

Tgt Ion	Resp	Lower	Upper
95	326249		
95	100		
174	89.2	0.0	175.8
176	86.3	0.0	173.0

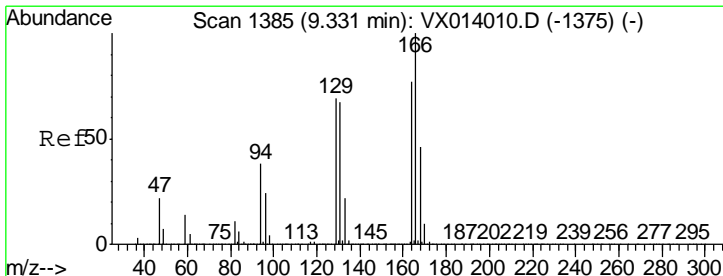
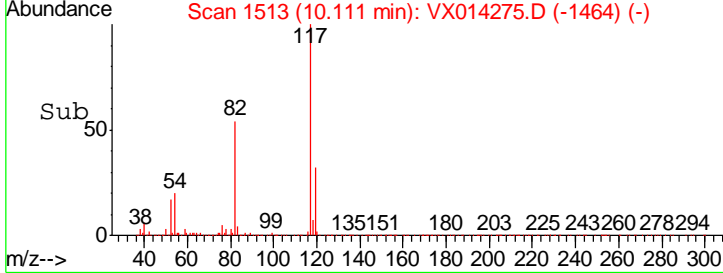
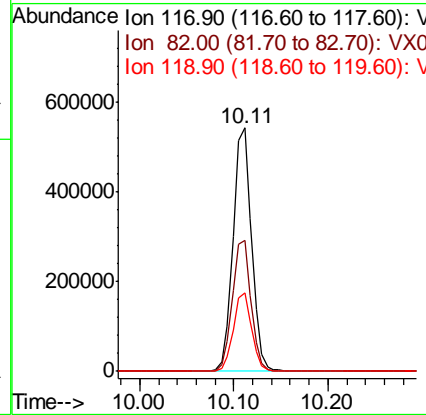
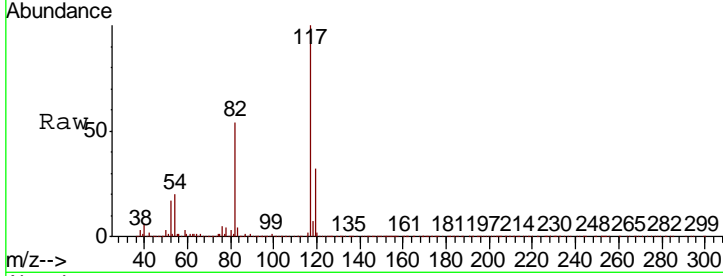




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

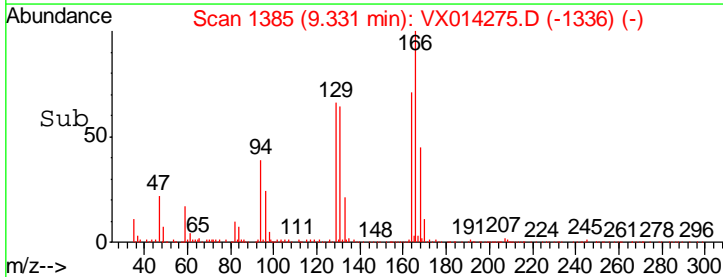
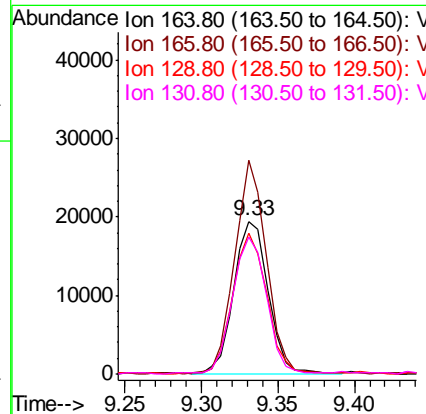
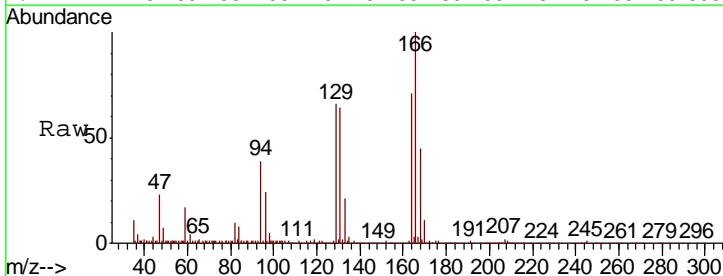
Instrument : MSVOA_X
 ClientSampled : 999-MW-18-(21.5)

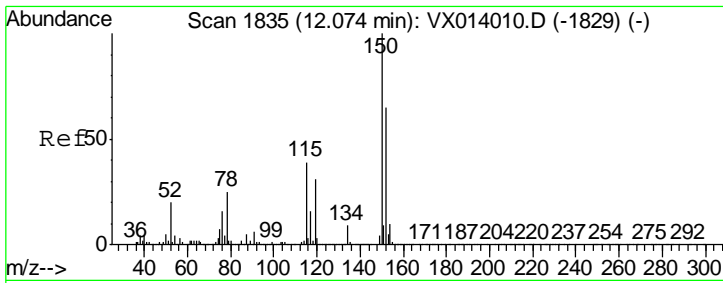
Tgt Ion	Resp	Lower	Upper
117	741103		
82	53.7	42.2	63.4
119	32.4	25.1	37.7



#64
 Tetrachloroethene
 Concen: 4.652 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

Tgt Ion	Resp	Lower	Upper
164	30510		
166	139.3	104.0	156.0
129	91.4	72.2	108.4
131	89.4	69.6	104.4

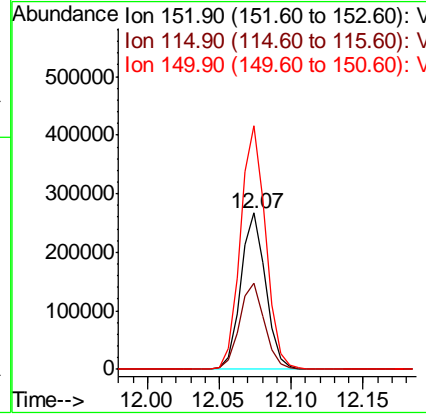
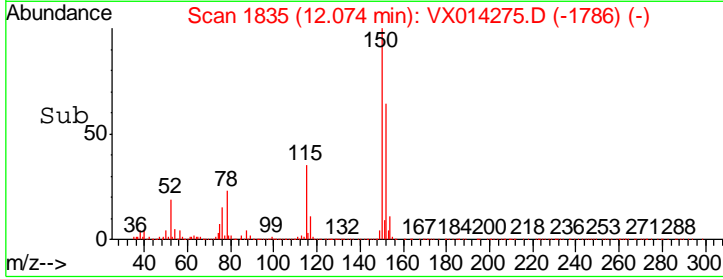
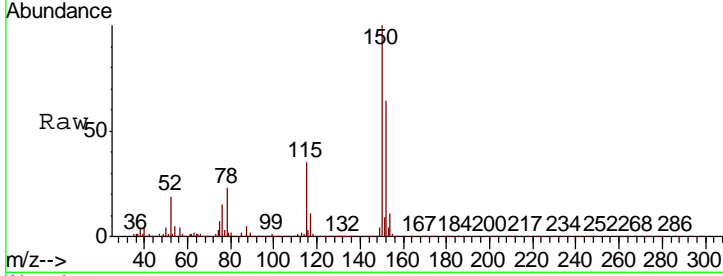




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014275.D
 Acq: 26 Dec 2019 17:31

Instrument : MSVOA_X
 ClientSampled : 999-MW-18-(21.5)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.7	38.3	114.9
150	158.5	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014275.D
 Acq On : 26 Dec 2019 17:31
 Operator : JC/SP
 Sample : K6405-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 999-MW-18-(21.5)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	40	rBV	1257053	1483059	58.76%	9.788%
2	1.265	59	62	68	rBV	37665	46325	1.84%	0.306%
3	1.601	109	117	120	rVB9	31082	54462	2.16%	0.359%
4	2.430	249	253	261	rVB	32037	52289	2.07%	0.345%
5	2.588	271	279	289	rBV	99548	190418	7.54%	1.257%
6	5.490	742	755	769	rBV	281367	802370	31.79%	5.295%
7	5.655	771	782	794	rBV	507874	1415256	56.07%	9.340%
8	6.051	838	847	859	rBV	324329	835865	33.12%	5.516%
9	6.850	968	978	989	rBV	789564	1843182	73.03%	12.164%
10	7.209	1030	1037	1045	rBV6	17664	40103	1.59%	0.265%
11	8.709	1276	1283	1292	rBV	1671019	2523962	100.00%	16.657%
12	9.331	1379	1385	1390	rBV	149087	223792	8.87%	1.477%
13	10.111	1507	1513	1520	rBV	1553515	2148672	85.13%	14.180%
14	11.135	1676	1681	1691	rBV	1216760	1605542	63.61%	10.596%
15	12.074	1830	1835	1843	rVB	1543035	1887122	74.77%	12.454%

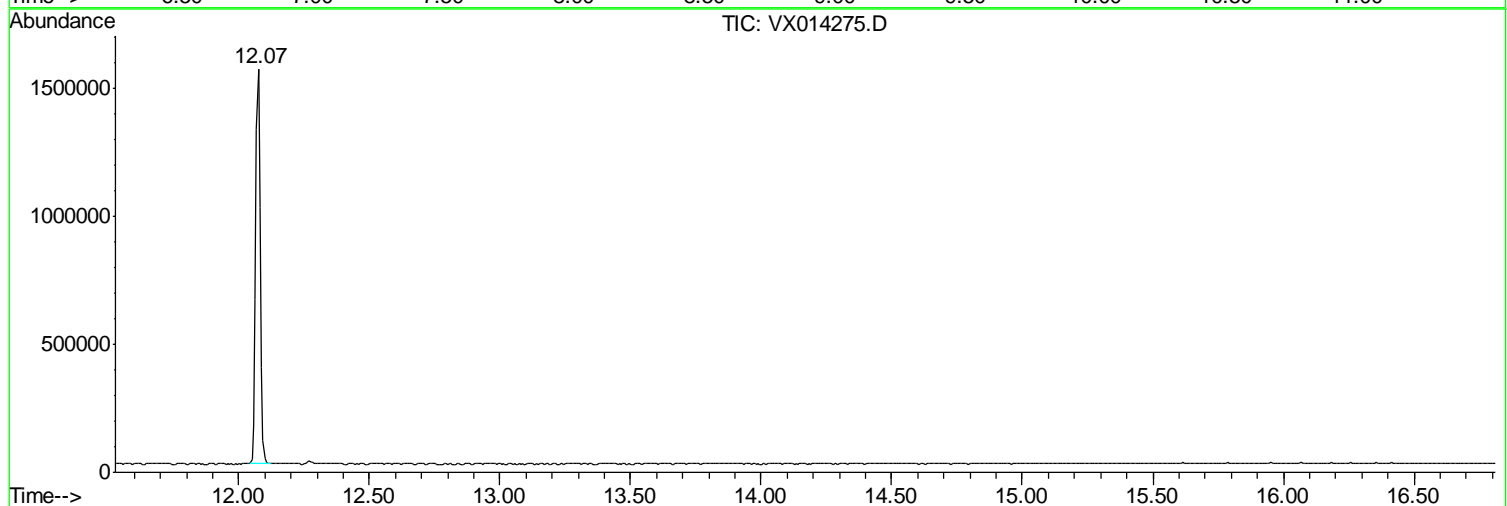
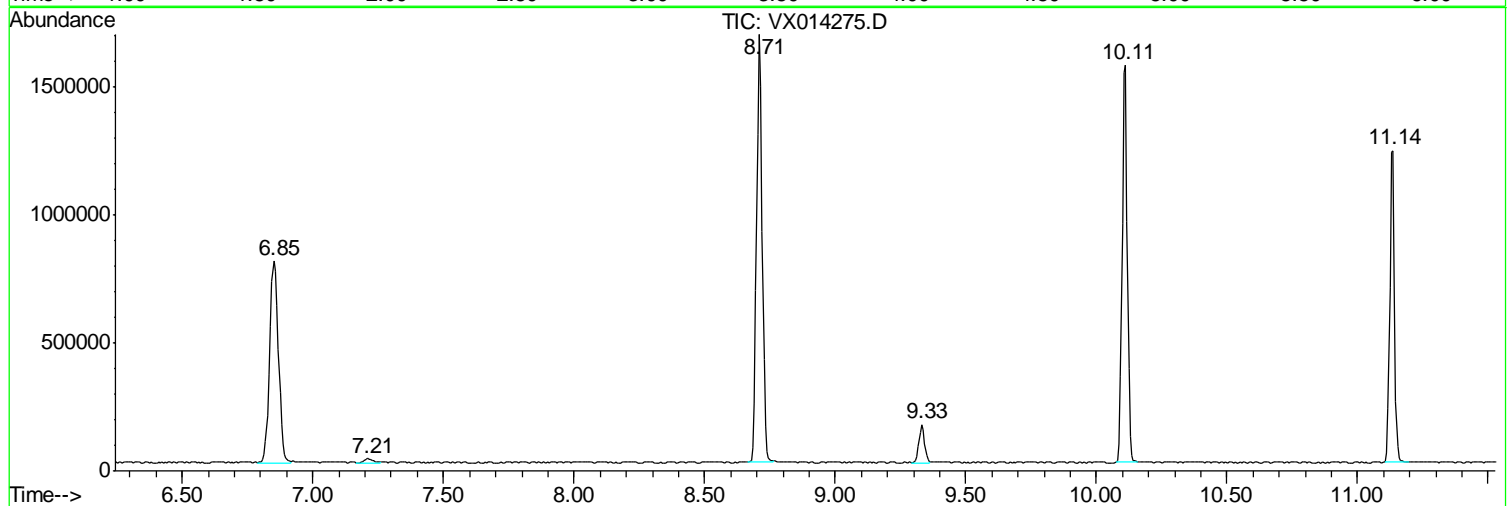
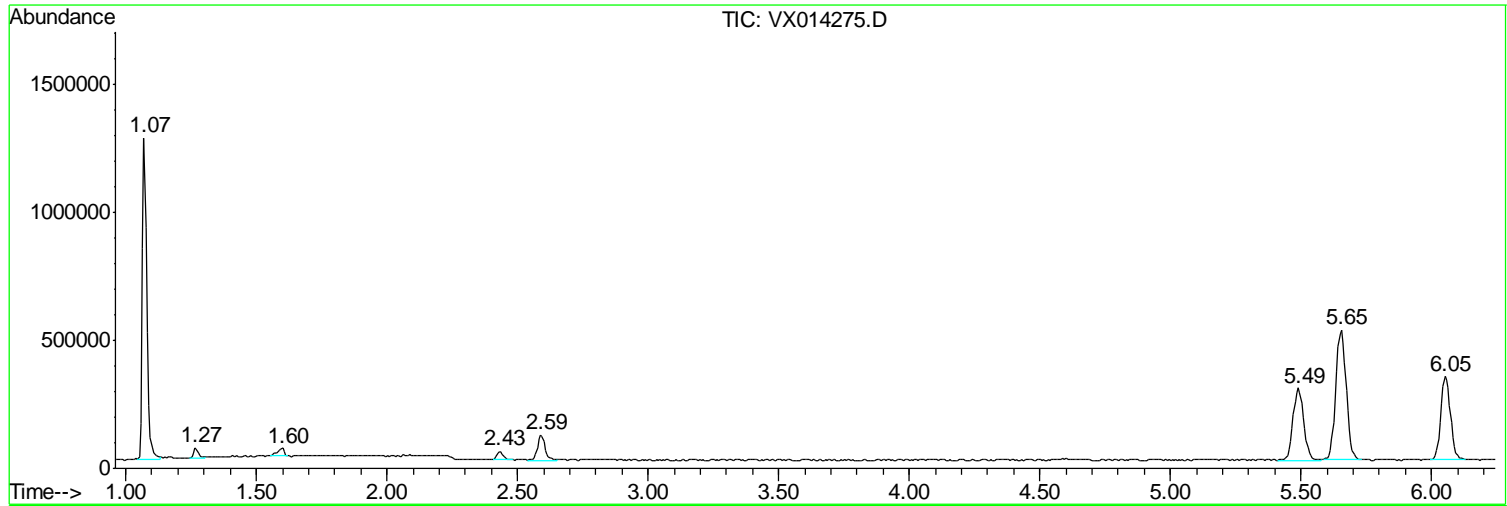
Sum of corrected areas: 15152419

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
Data File : VX014275.D
Acq On : 26 Dec 2019 17:31
Operator : JC/SP
Sample : K6405-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
999-MW-18-(21.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014275.D
 Acq On : 26 Dec 2019 17:31
 Operator : JC/SP
 Sample : K6405-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 999-MW-18-(21.5)

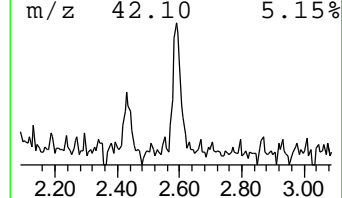
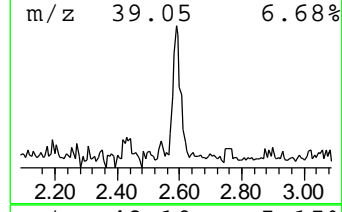
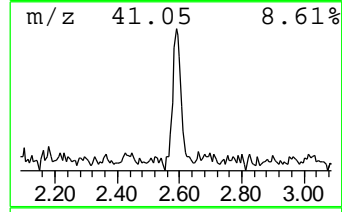
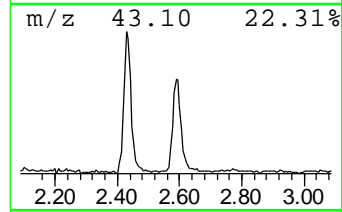
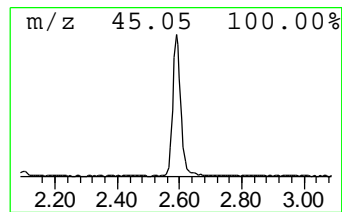
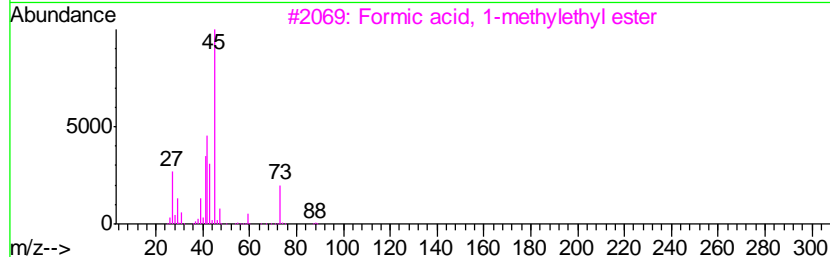
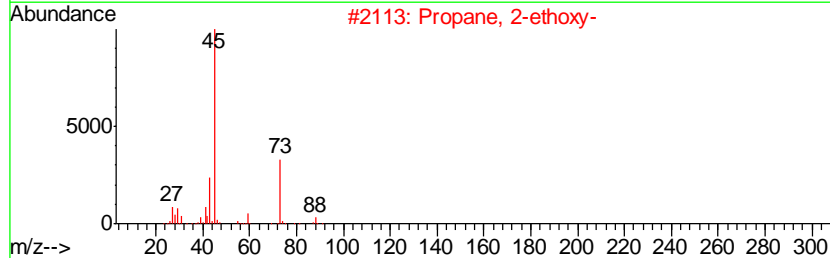
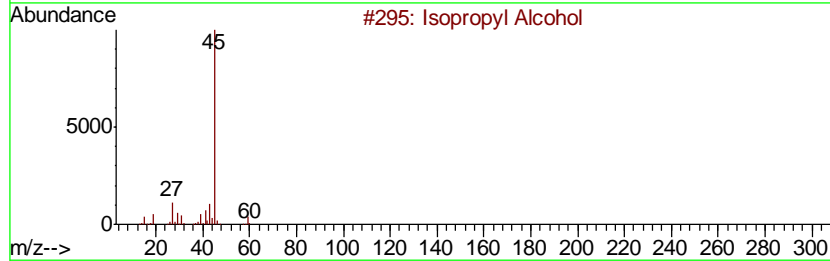
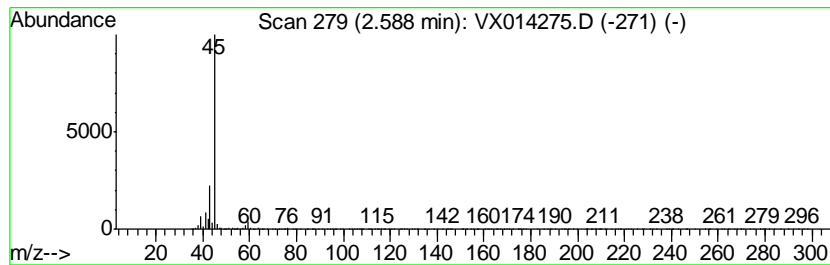
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 Quant Title : SW846 8260

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

 Peak Number 2 Isopropyl Alcohol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	6.73 ug/l	190418	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropyl Alcohol	60	C3H8O	000067-63-0	80
2		Propane, 2-ethoxy-	88	C5H12O	000625-54-7	40
3		Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	39
4		Propylene Glycol	76	C3H8O2	000057-55-6	9
5		Ethanol, 2-nitro-	91	C2H5NO3	000625-48-9	9



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014275.D
 Acq On : 26 Dec 2019 17:31
 Operator : JC/SP
 Sample : K6405-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 999-MW-18-(21.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Isopropyl Alcohol	2.59	6.7	ug/l	190418	1	5.65	1415260	50.0

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	1000-MW-19-(28)	SDG No.:	K6405
Lab Sample ID:	K6405-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014276.D	1		12/26/19 17:54	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.16	1.00	ug/L
74-83-9	Bromomethane	5.00	U	2.10	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.18	1.00	ug/L
67-64-1	Acetone	4.70	J	0.90	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	J	0.30	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.31	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.17	1.00	ug/L
71-43-2	Benzene	1.00	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	0.69	J	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.85	5.00	ug/L
108-88-3	Toluene	1.00	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	1000-MW-19-(28)	SDG No.:	K6405
Lab Sample ID:	K6405-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014276.D	1		12/26/19 17:54	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.12	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.40	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.10		0.15	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.080	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.20	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.13	1.00	ug/L
100-42-5	Styrene	1.00	U	0.11	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		61 - 141	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		69 - 133	98%	SPK: 50
2037-26-5	Toluene-d8	50.7		65 - 126	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		58 - 135	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	532000	5.65			
540-36-3	1,4-Difluorobenzene	821000	6.85			
3114-55-4	Chlorobenzene-d5	734000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	317000	12.07			
TENTATIVE IDENTIFIED COMPOUNDS						
000625-54-7	Propane, 2-ethoxy-	5.20	J		2.59	ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014276.D
 Acq On : 26 Dec 2019 17:54
 Operator : JC/SP
 Sample : K6405-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1000-MW-19-(28)

Quant Time: Dec 27 07:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

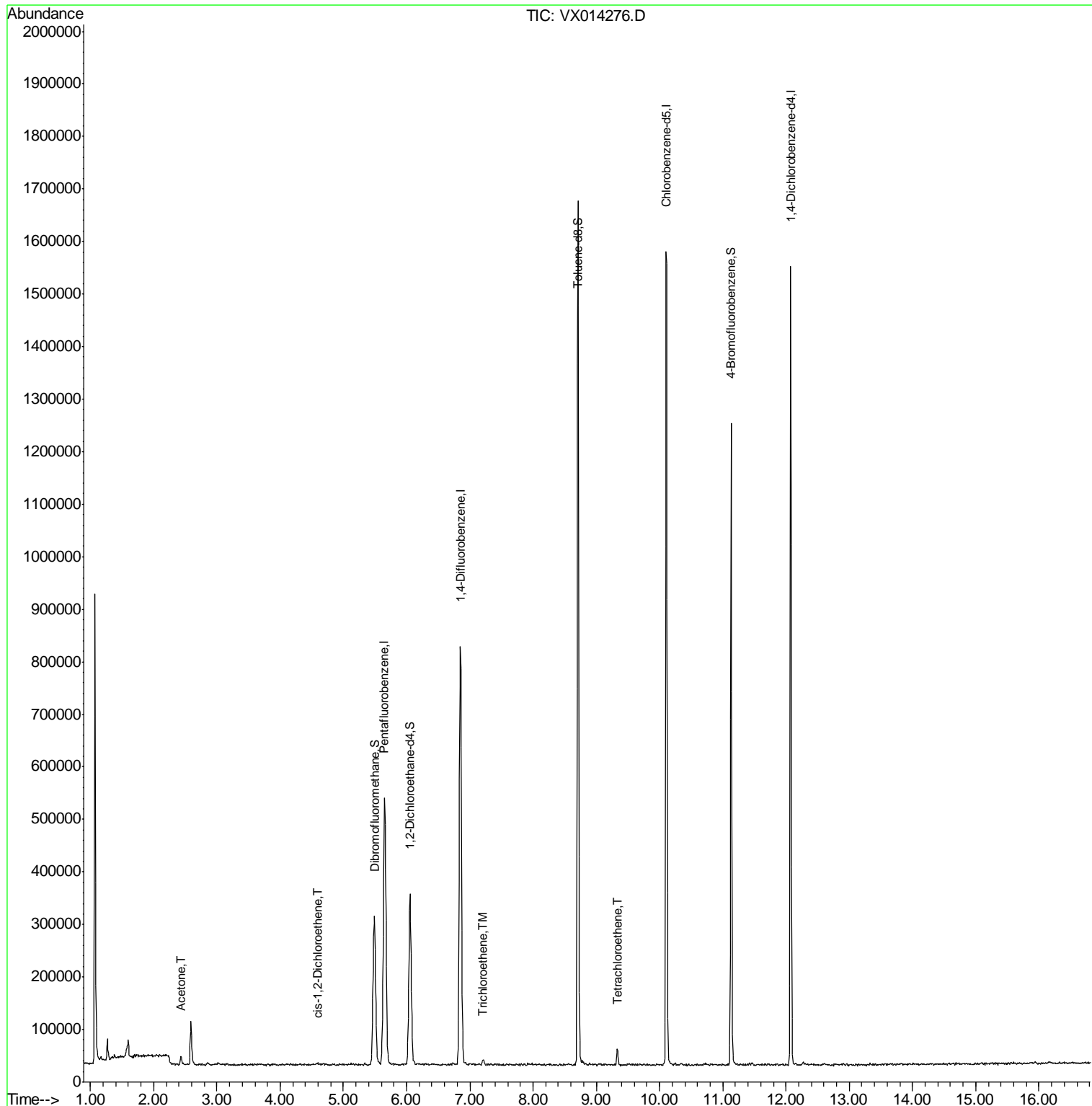
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	532412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	820686	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	734410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317429	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	300179	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	5.49	113	245448	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	8.71	98	984854	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.14	95	322687	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
Target Compounds						
16) Acetone	2.43	43	18283	4.667	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	3159	0.495	ug/l	69
44) Trichloroethene	7.22	130	4429	0.692	ug/l	76
64) Tetrachloroethene	9.33	164	7060	1.086	ug/l	90

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

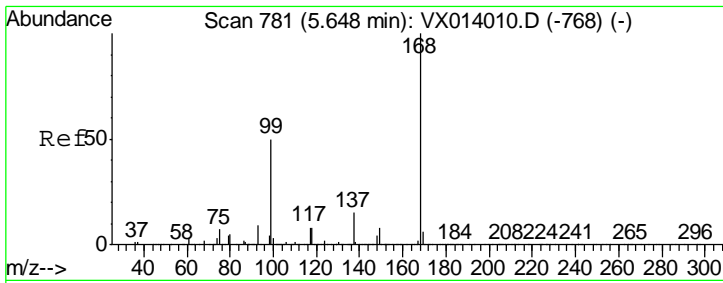
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 Acq On : 26 Dec 2019 17:54
 Operator : JC/SP
 Sample : K6405-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 1000-MW-19-(28)

Quant Time: Dec 27 07:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



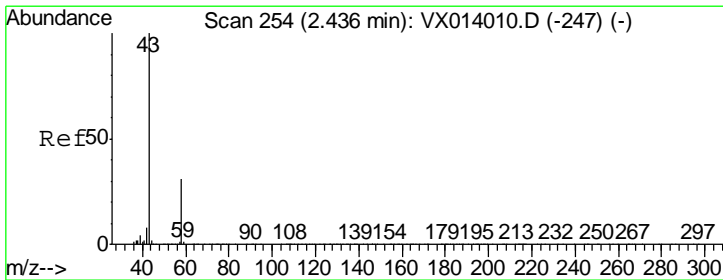
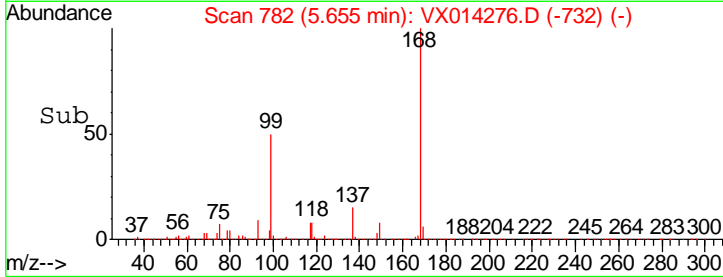
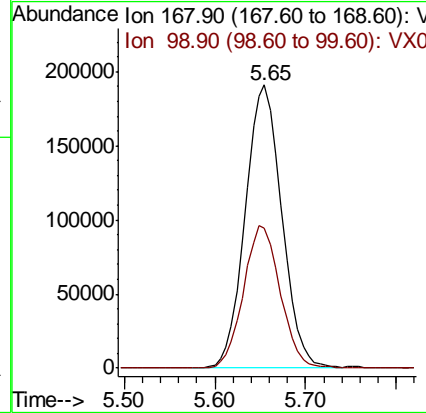
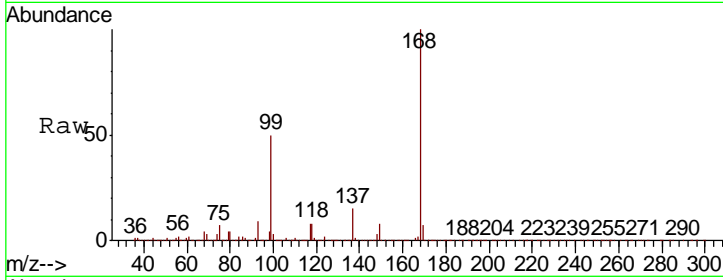
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

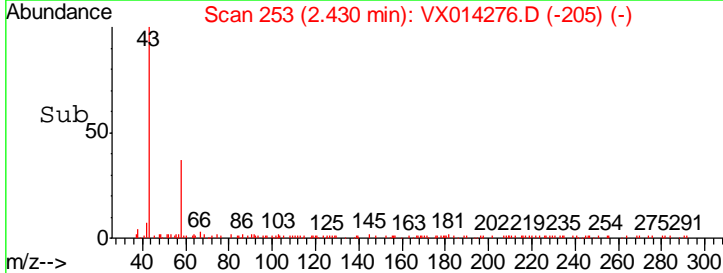
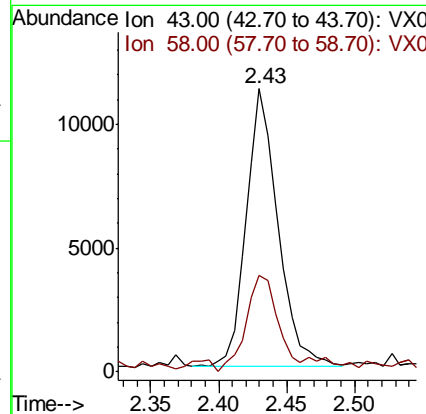
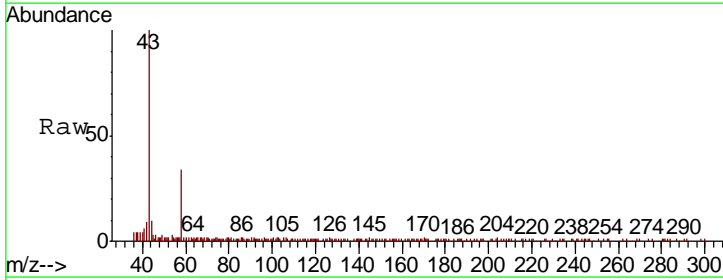
Instrument : MSVOA_X
 Client Sampled : 1000-MW-19-(28)

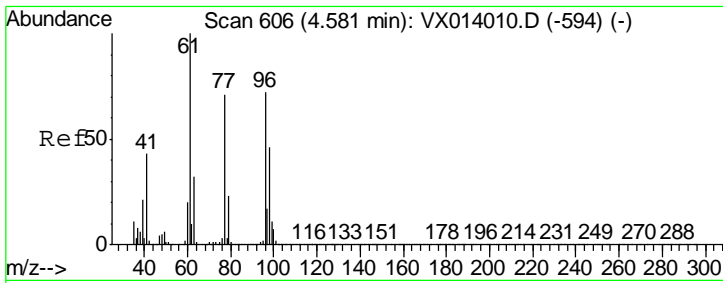
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.5	40.3	60.5



#16
 Acetone
 Concen: 4.667 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.1	24.9	37.3

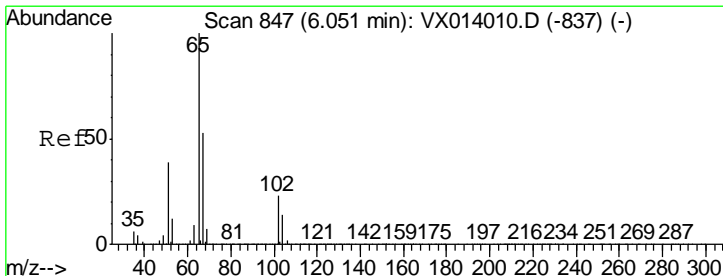
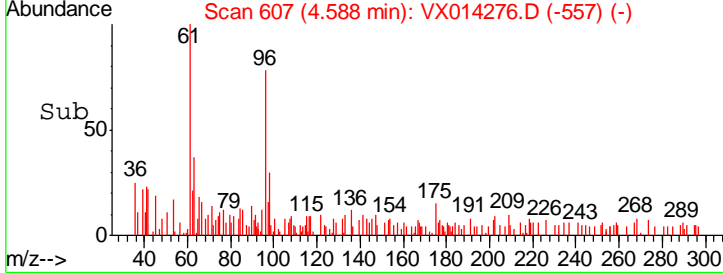
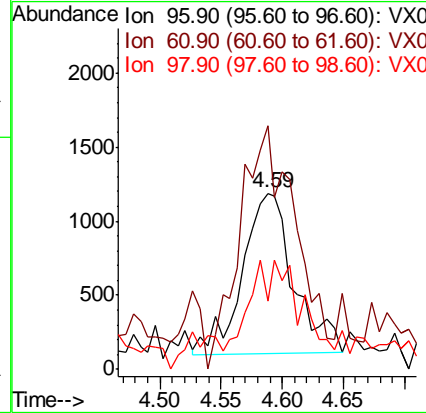
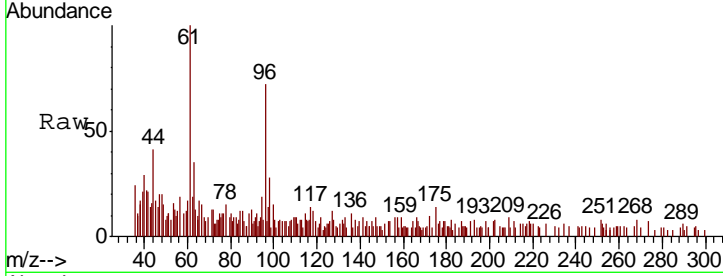




#27
 cis-1,2-Dichloroethene
 Concen: 0.495 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

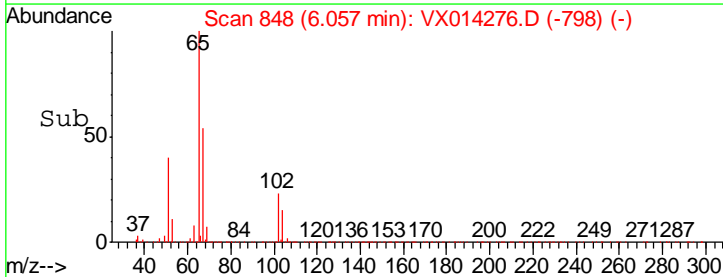
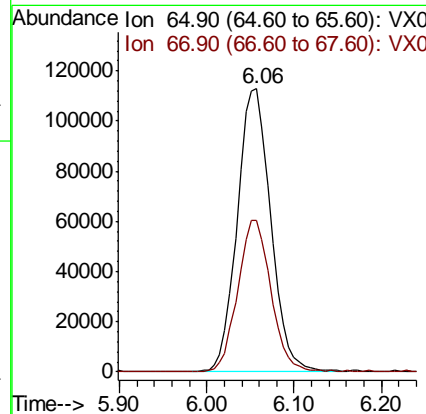
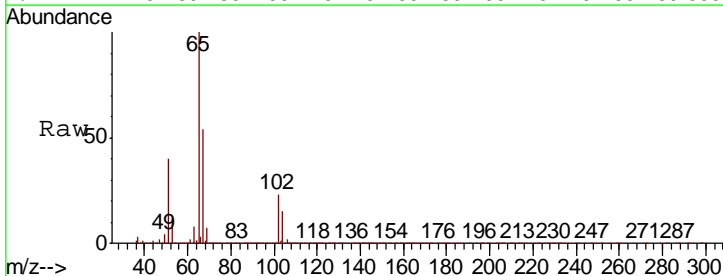
Instrument : MSVOA_X
 Client Sampled : 1000-MW-19-(28)

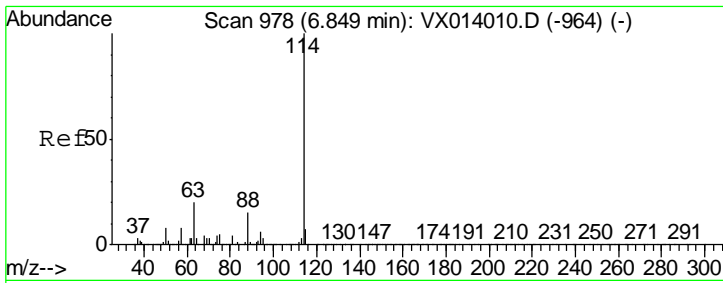
Tgt Ion	Resp	Lower	Upper
96	3159		
61	167.8	0.0	288.4
98	20.3	0.0	129.6



#33
 1,2-Dichloroethane-d4
 Concen: 49.747 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

Tgt Ion	Resp	Lower	Upper
65	300179		
67	53.0	0.0	106.4

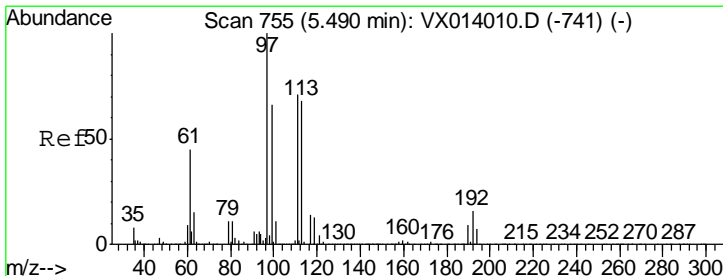
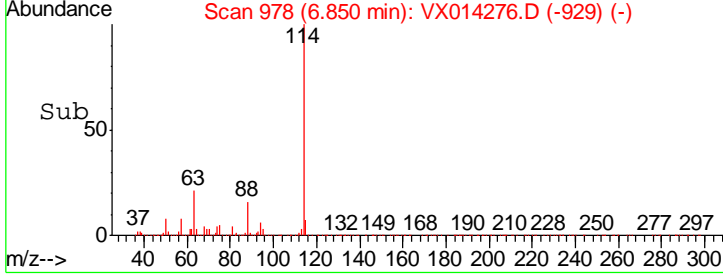
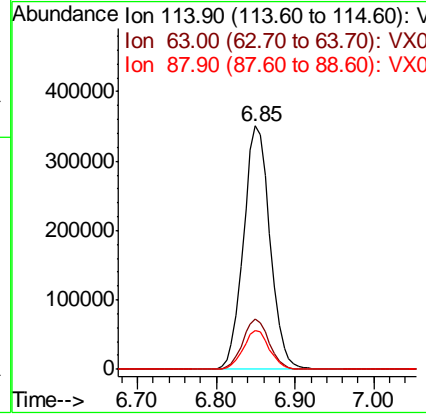
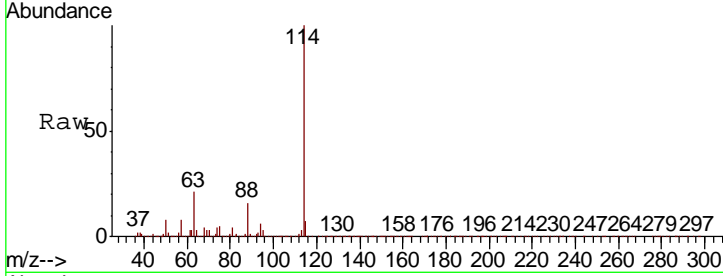




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

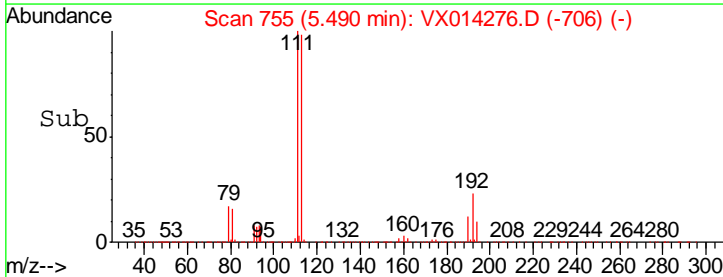
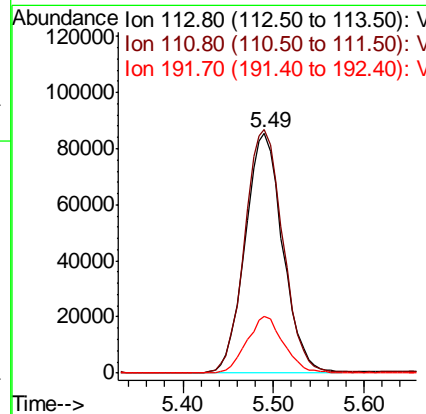
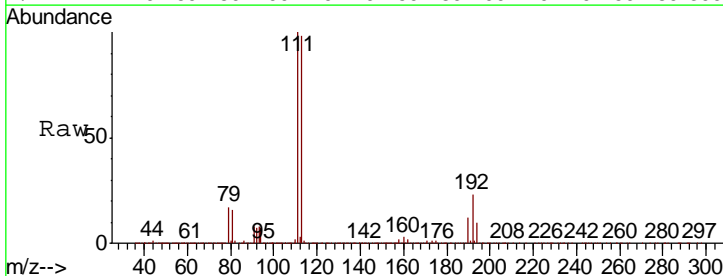
Instrument : MSVOA_X
 Client Sampled : 1000-MW-19-(28)

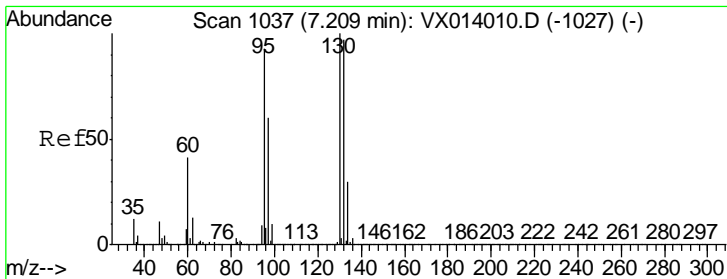
Tgt Ion	Resp	Lower	Upper
114	820686		
63	20.8	0.0	40.8
88	15.8	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 49.199 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

Tgt Ion	Resp	Lower	Upper
113	245448		
111	103.2	82.0	123.0
192	23.4	19.3	28.9



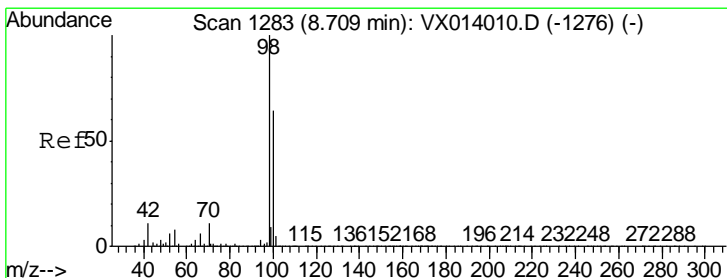
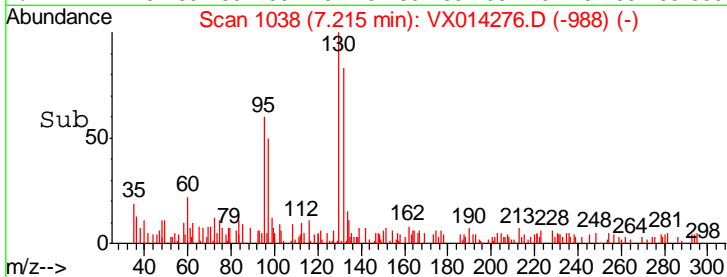
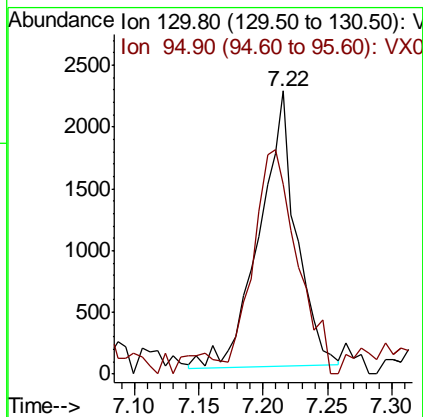
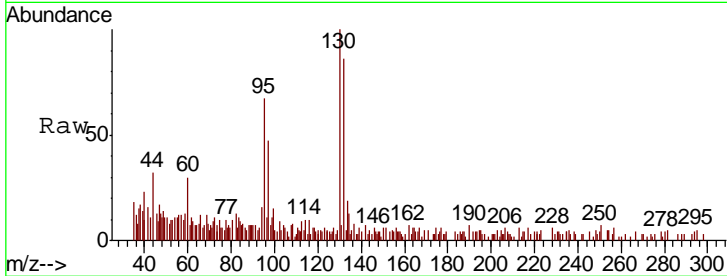


#44

Trichloroethene
 Concen: 0.692 ug/l
 RT: 7.22 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

Instrument :
 MSVOA_X
 Client Sampled :
 1000-MW-19-(28)

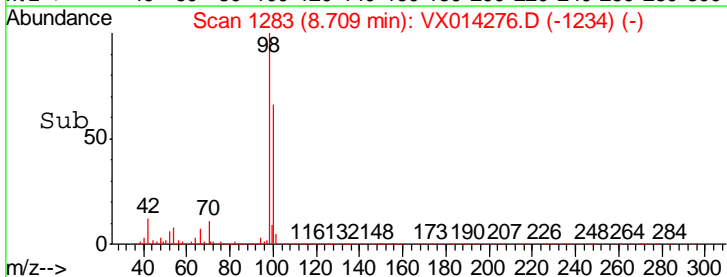
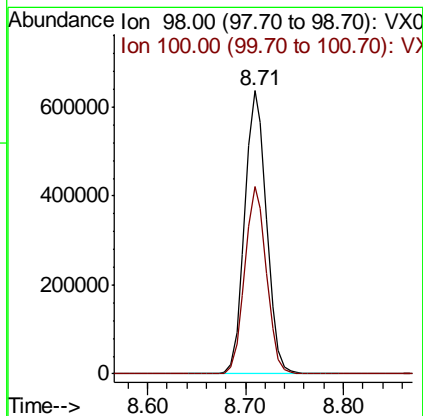
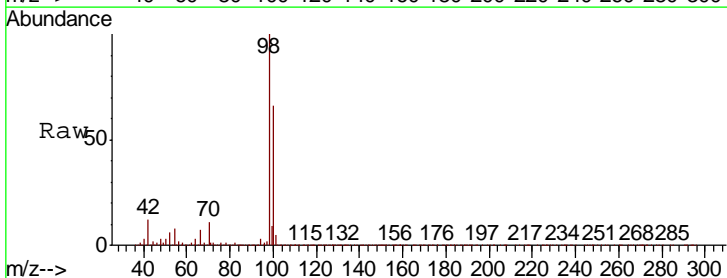
Tgt Ion	Resp	Lower	Upper
130	4429	0.0	185.6
95	69.5		

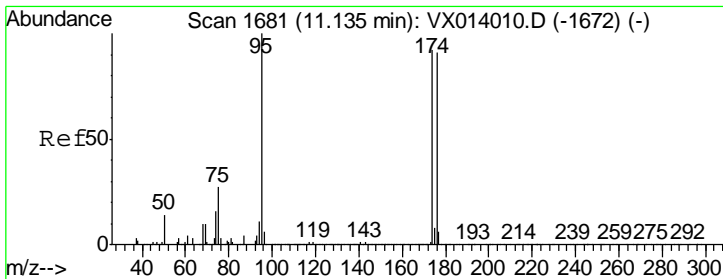


#50

Toluene-d8
 Concen: 50.706 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

Tgt Ion	Resp	Lower	Upper
98	984854	52.9	79.3
100	66.0		

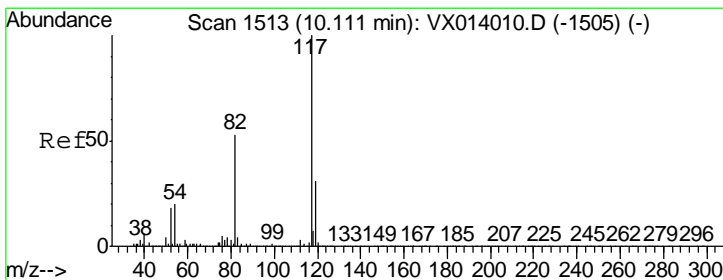
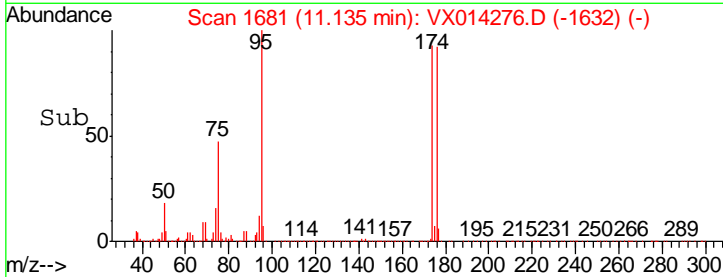
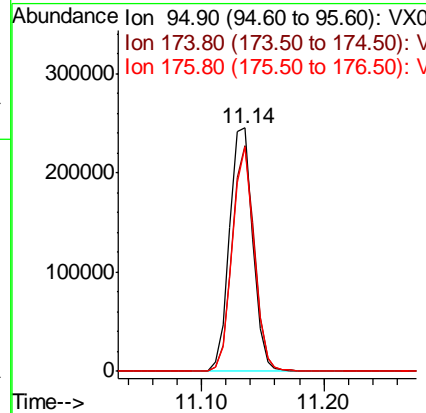
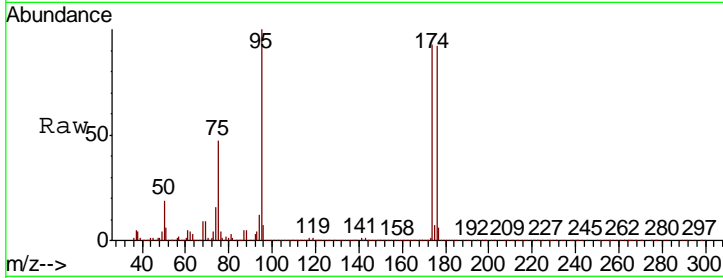




#62
 4-Bromofluorobenzene
 Concen: 45.449 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

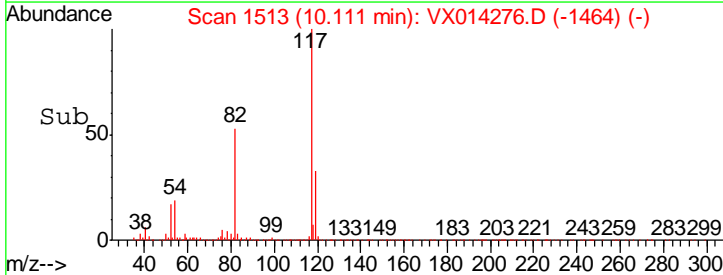
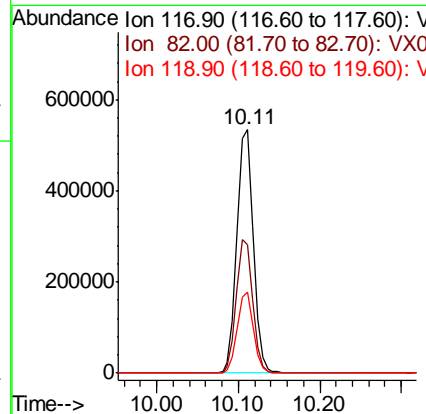
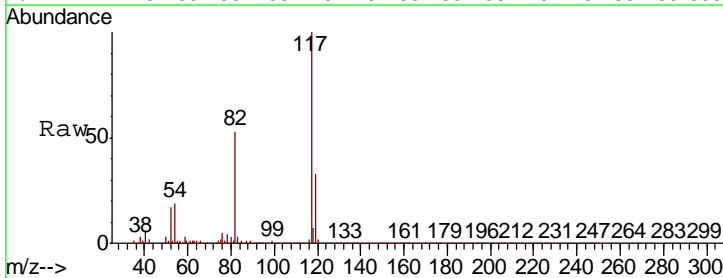
Instrument : MSVOA_X
 ClientSampled : 1000-MW-19-(28)

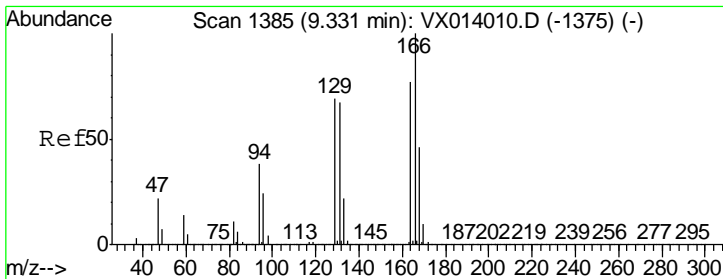
Tgt Ion	Resp	Lower	Upper
95	100		
174	88.2	0.0	175.8
176	86.1	0.0	173.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014276.D
 Acq: 26 Dec 2019 17:54

Tgt Ion	Resp	Lower	Upper
117	100		
82	52.5	42.2	63.4
119	33.1	25.1	37.7





#64

Tetrachloroethene

Concen: 1.086 ug/l

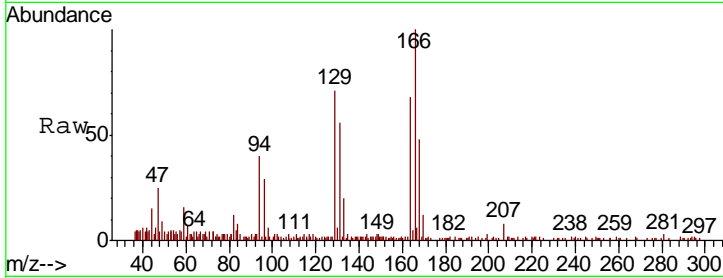
RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54

Instrument : MSVOA_X
Client Sampled : 1000-MW-19-(28)



Tgt Ion:164 Resp: 7060

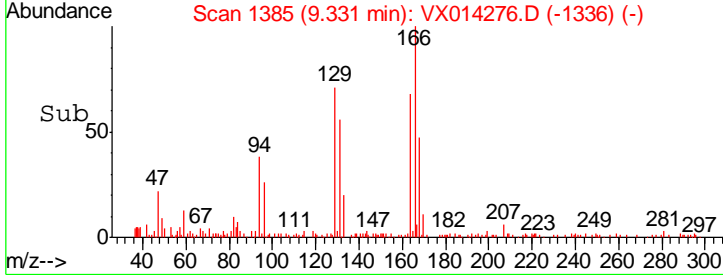
Ion Ratio Lower Upper

164 100

166 142.8 104.0 156.0

129 100.0 72.2 108.4

131 80.6 69.6 104.4

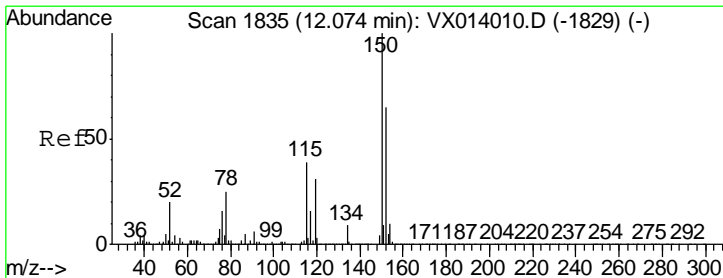
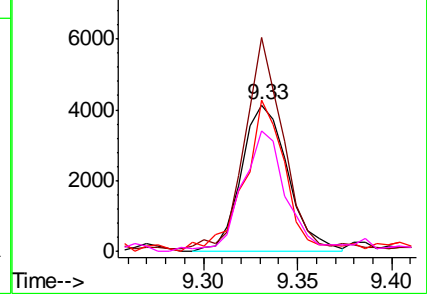


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

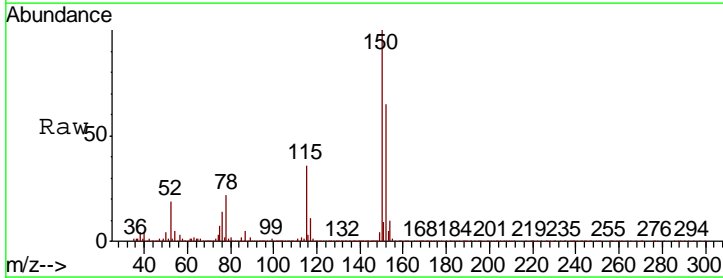
Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014276.D

Acq: 26 Dec 2019 17:54



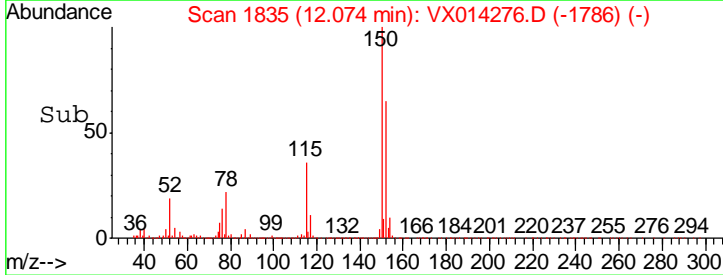
Tgt Ion:152 Resp: 317429

Ion Ratio Lower Upper

152 100

115 56.4 38.3 114.9

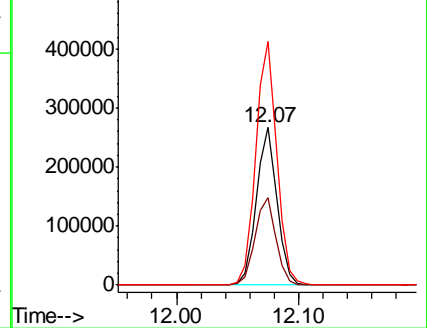
150 156.9 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014276.D
 Acq On : 26 Dec 2019 17:54
 Operator : JC/SP
 Sample : K6405-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1000-MW-19-(28)

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	42	rBV	893101	1098569	42.92%	7.558%
2	1.265	58	62	69	rBV	41580	56905	2.22%	0.391%
3	1.601	106	117	120	rBV10	32751	68632	2.68%	0.472%
4	2.430	247	253	258	rBV	17522	31397	1.23%	0.216%
5	2.588	273	279	289	rBV	82908	148996	5.82%	1.025%
6	5.490	743	755	768	rBV	282681	809545	31.63%	5.569%
7	5.649	771	781	792	rBV	507141	1428022	55.79%	9.824%
8	6.051	838	847	862	rVB	324797	841743	32.88%	5.791%
9	6.850	969	978	990	rBV	795478	1835566	71.71%	12.628%
10	8.709	1276	1283	1293	rBV	1645936	2559814	100.00%	17.610%
11	9.331	1380	1385	1393	rVB2	32614	54053	2.11%	0.372%
12	10.105	1507	1512	1524	rVB	1546784	2142463	83.70%	14.739%
13	11.135	1675	1681	1689	rBV	1223009	1595879	62.34%	10.979%
14	12.074	1829	1835	1844	rBV	1520442	1864450	72.84%	12.826%

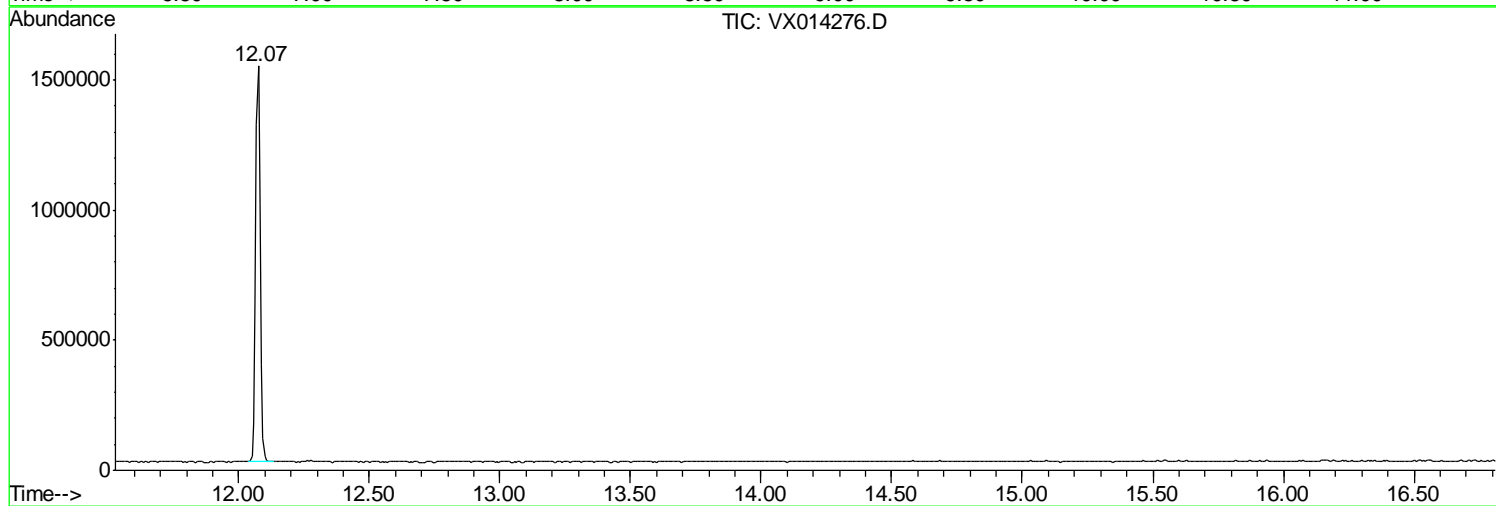
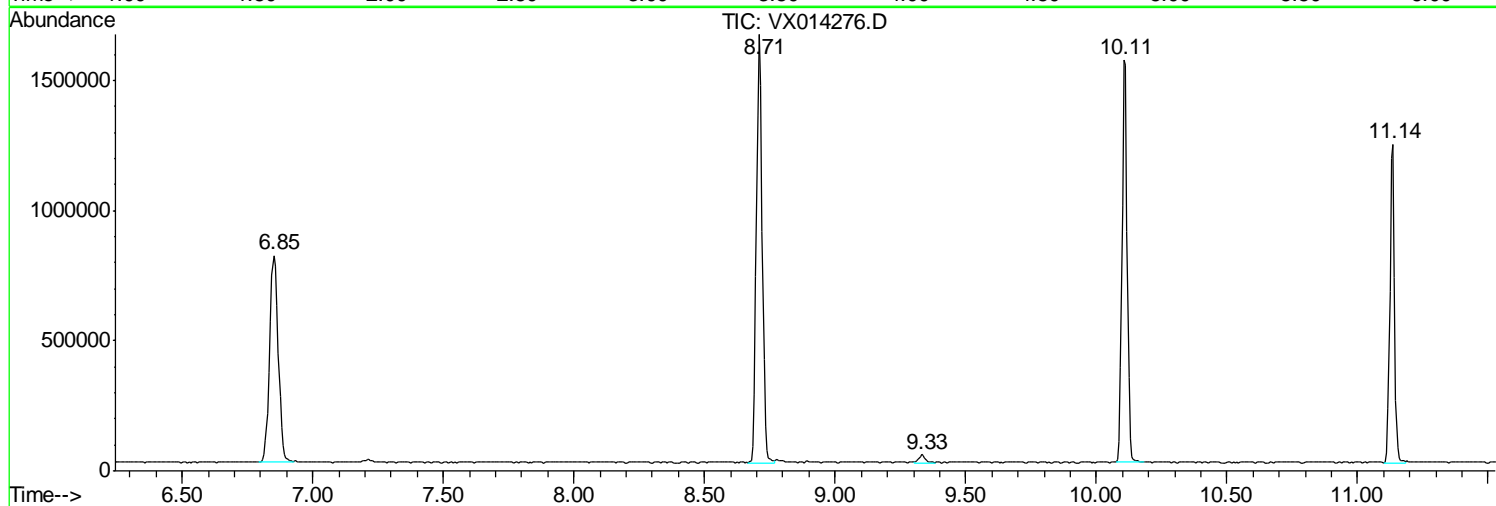
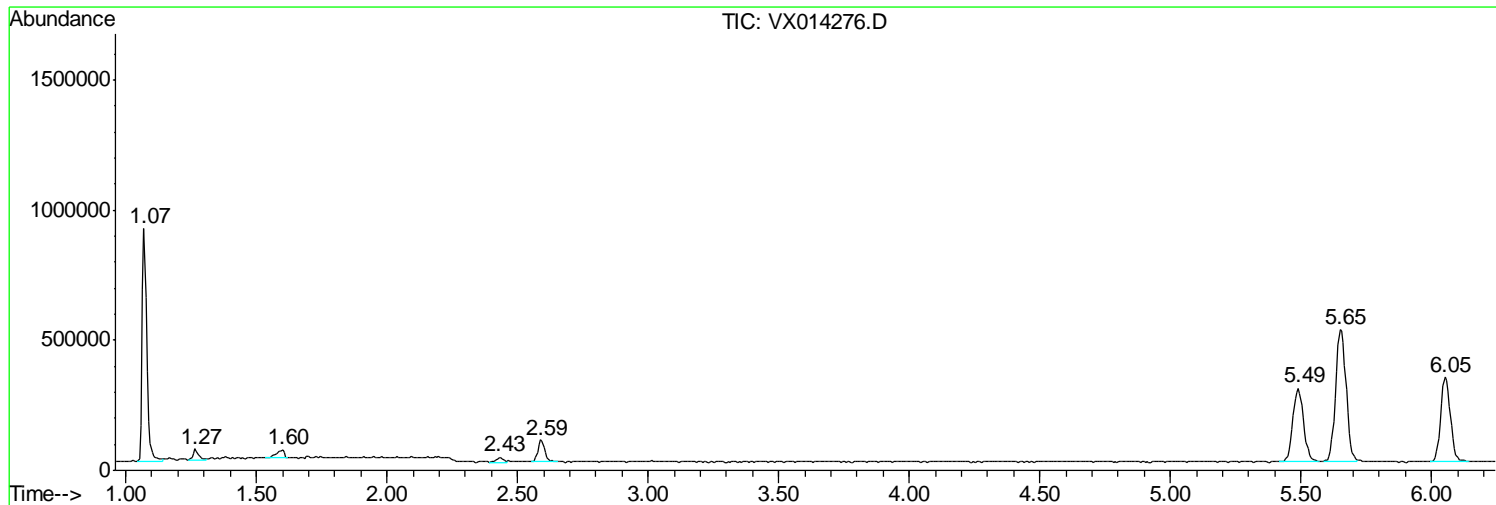
Sum of corrected areas: 14536034

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
Data File : VX014276.D
Acq On : 26 Dec 2019 17:54
Operator : JC/SP
Sample : K6405-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
1000-MW-19-(28)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014276.D
 Acq On : 26 Dec 2019 17:54
 Operator : JC/SP
 Sample : K6405-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 1000-MW-19-(28)

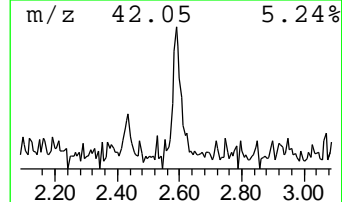
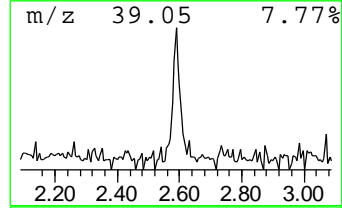
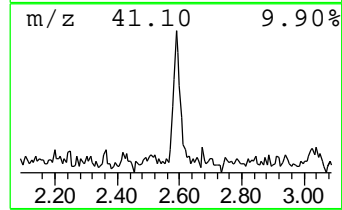
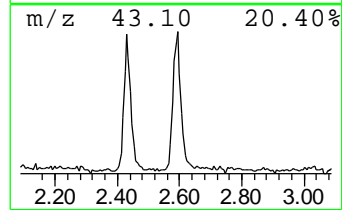
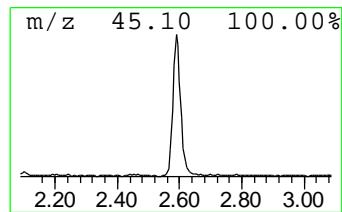
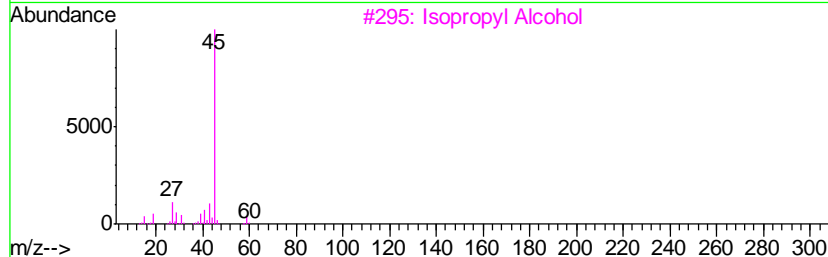
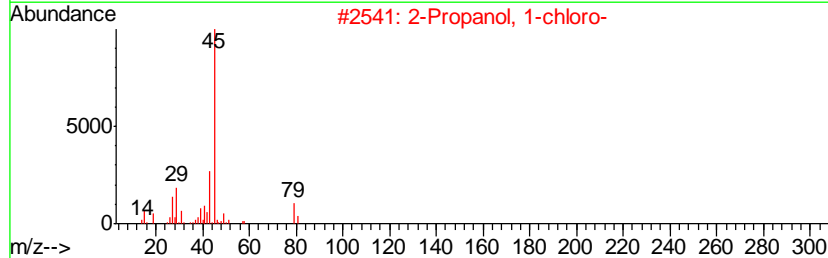
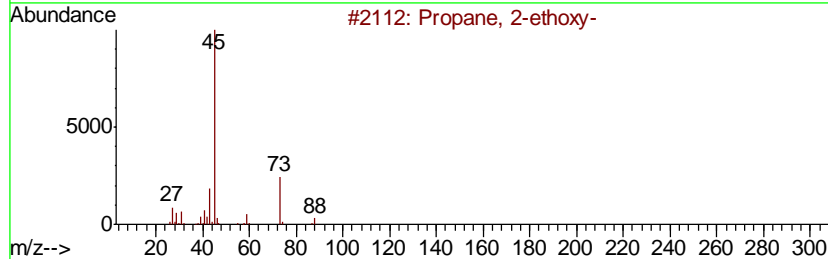
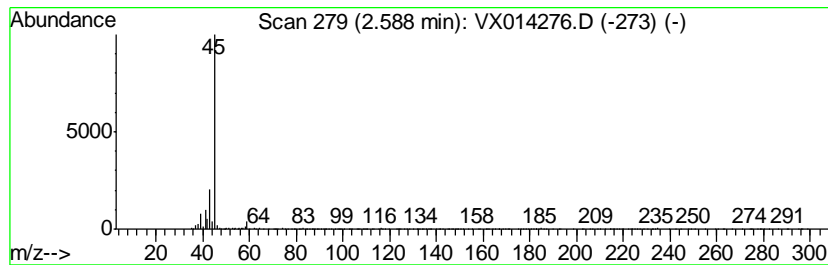
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

 Peak Number 2 Propane, 2-ethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	5.22 ug/l	148996	Pentafluorobenzene	5.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56
2		2-Propanol, 1-chloro-	94	C3H7ClO	000127-00-4	50
3		Isopropyl Alcohol	60	C3H8O	000067-63-0	50
4		Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	50
5		2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	39



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014276.D
 Acq On : 26 Dec 2019 17:54
 Operator : JC/SP
 Sample : K6405-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1000-MW-19-(28)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Propane, 2-ethoxy-	2.59	5.2	ug/l	148996	1	5.65	1428020	50.0

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



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	1001-FB122019	SDG No.:	K6405
Lab Sample ID:	K6405-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014310.D	1		12/27/19 15:44	VX122719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.16	1.00	ug/L
74-83-9	Bromomethane	5.00	U	2.10	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.18	1.00	ug/L
67-64-1	Acetone	7.30		0.90	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.30	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.31	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.17	1.00	ug/L
71-43-2	Benzene	1.00	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.85	5.00	ug/L
108-88-3	Toluene	1.00	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	1001-FB122019	SDG No.:	K6405
Lab Sample ID:	K6405-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014310.D	1		12/27/19 15:44	VX122719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.12	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.40	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.15	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.080	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.20	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.13	1.00	ug/L
100-42-5	Styrene	1.00	U	0.11	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		61 - 141	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		69 - 133	98%	SPK: 50
2037-26-5	Toluene-d8	50.2		65 - 126	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		58 - 135	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	517000	5.65			
540-36-3	1,4-Difluorobenzene	804000	6.85			
3114-55-4	Chlorobenzene-d5	721000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	311000	12.07			
TENTATIVE IDENTIFIED COMPOUNDS						
000104-76-7	1-Hexanol, 2-ethyl-	9.60	J		12.3	ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014310.D
 Acq On : 27 Dec 2019 15:44
 Operator : JC/SP
 Sample : K6405-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1001-FB122019

Quant Time: Dec 30 06:07:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

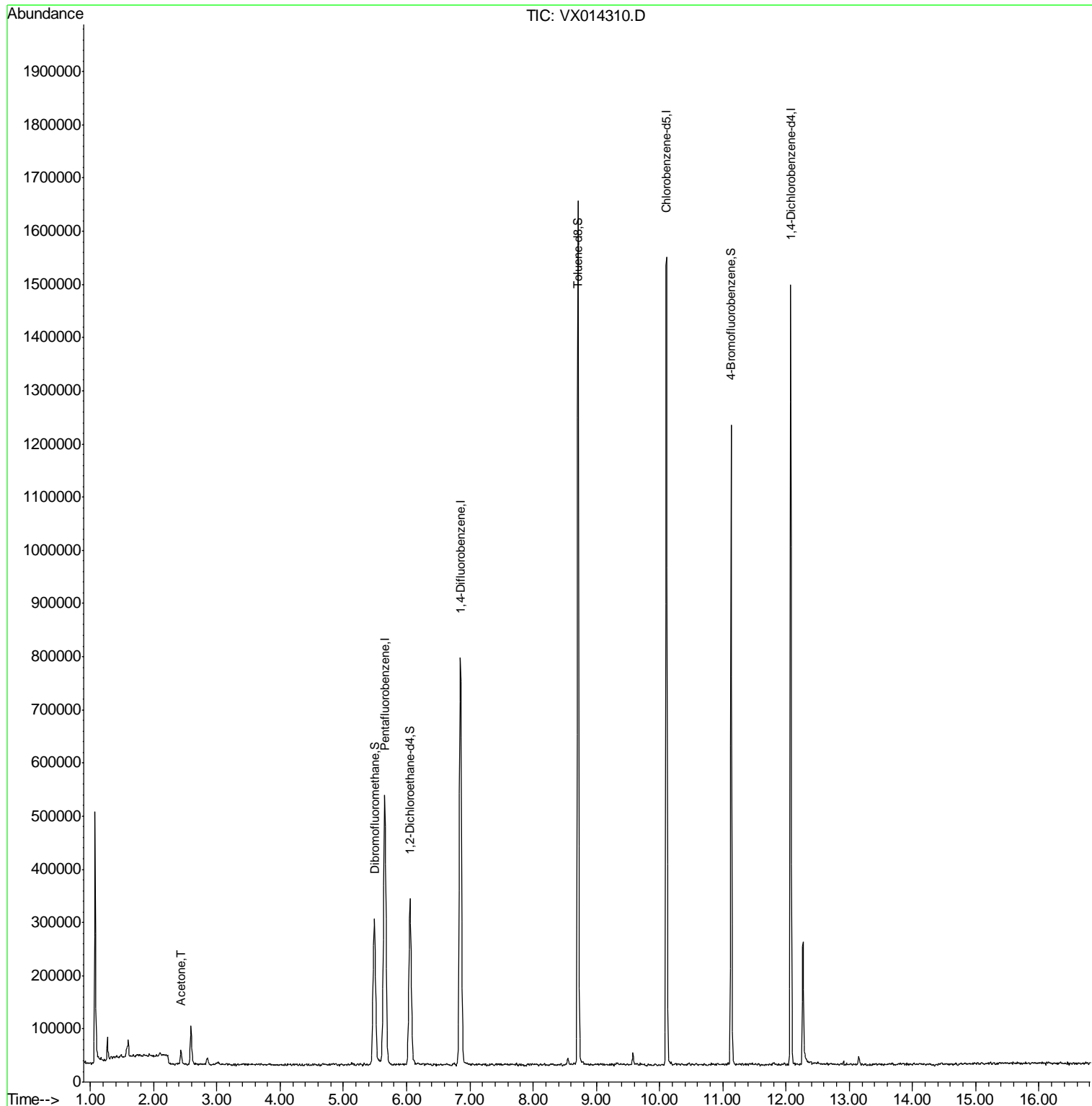
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	517477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	804362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	720729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	310917	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	288992	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	5.49	113	240295	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	8.71	98	956215	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.14	95	319080	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
Target Compounds						
16) Acetone	2.43	43	27939	7.338	ug/l	95

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

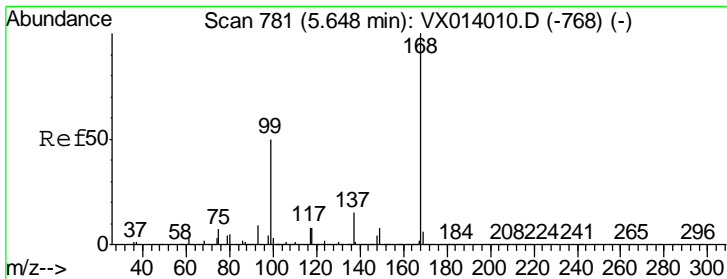
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014310.D
 Acq On : 27 Dec 2019 15:44
 Operator : JC/SP
 Sample : K6405-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 1001-FB122019

Quant Time: Dec 30 06:07:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



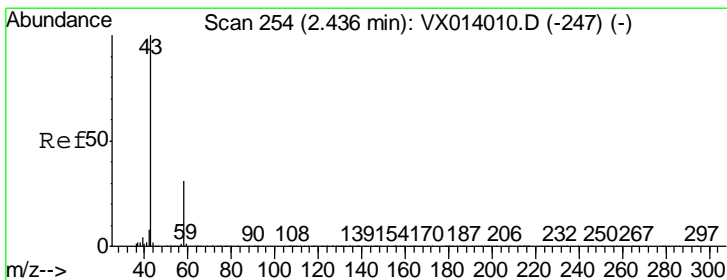
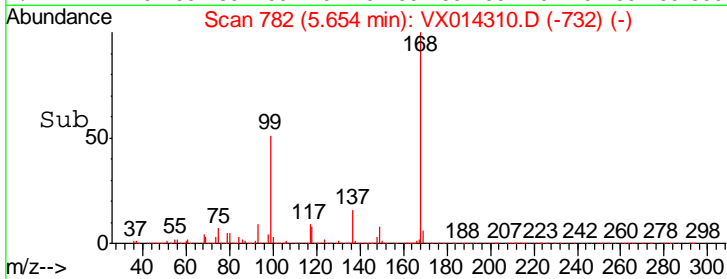
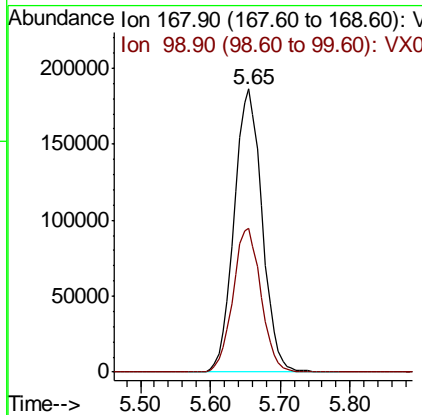
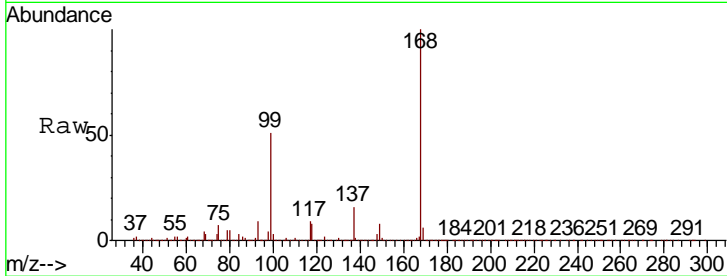
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014310.D
 Acq: 27 Dec 2019 15:44

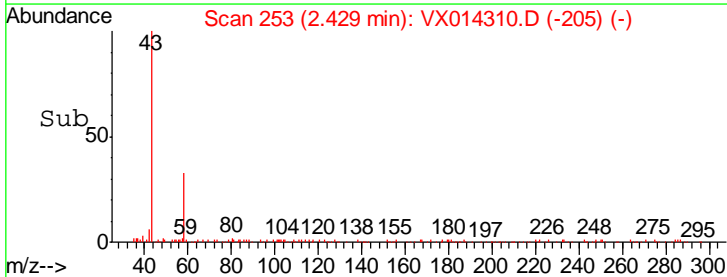
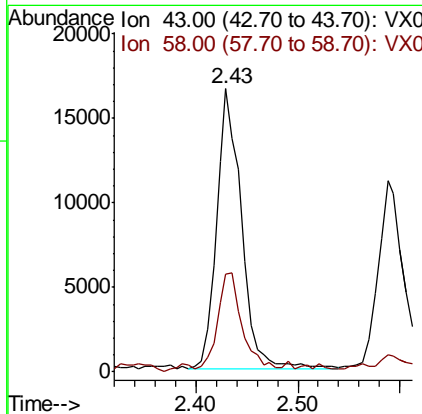
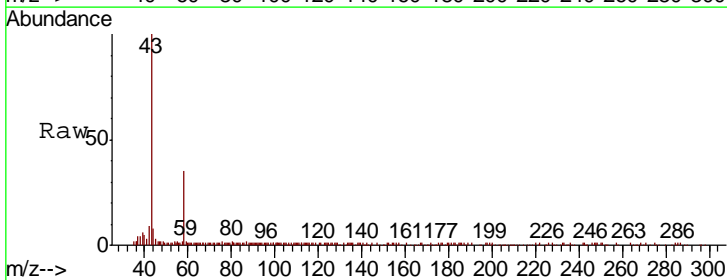
Instrument : MSVOA_X
 Client Sampled : 1001-FB122019

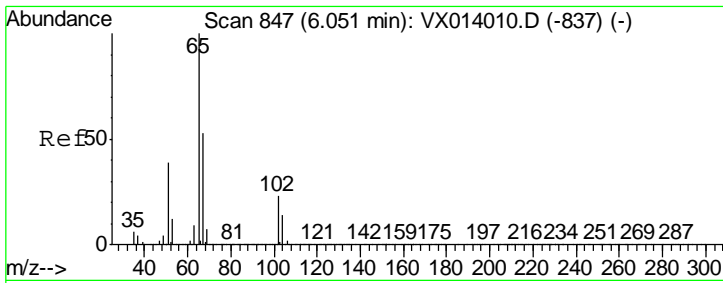
Tgt Ion	Resp	Lower	Upper
168	517477		
99	50.6	40.3	60.5



#16
 Acetone
 Concen: 7.338 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014310.D
 Acq: 27 Dec 2019 15:44

Tgt Ion	Resp	Lower	Upper
43	27939		
58	33.8	24.9	37.3

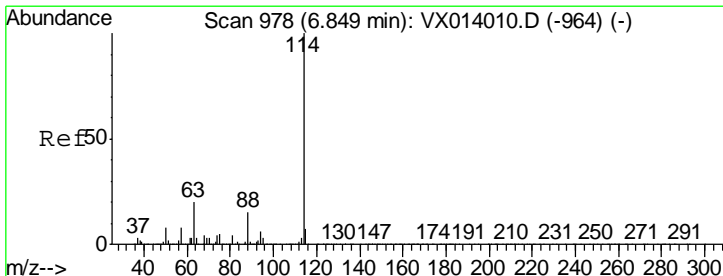
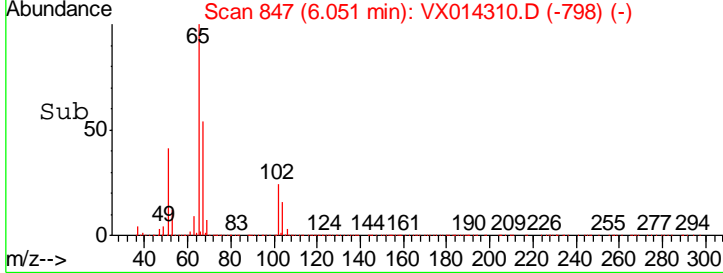
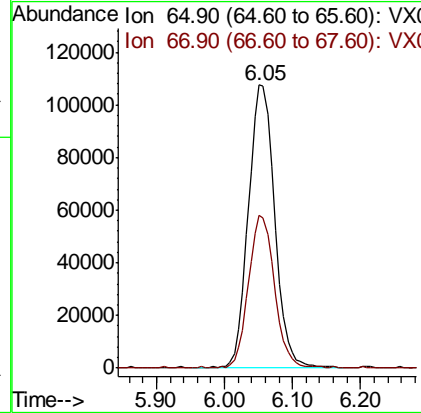
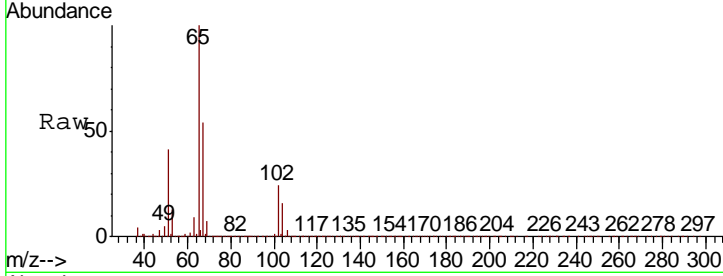




#33
 1,2-Dichloroethane-d4
 Concen: 49.275 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014310.D
 Acq: 27 Dec 2019 15:44

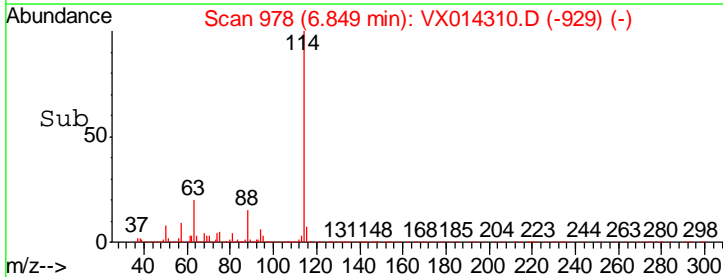
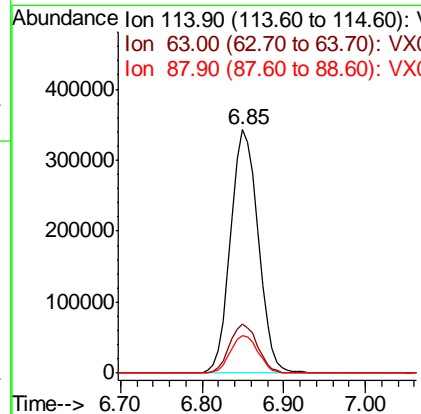
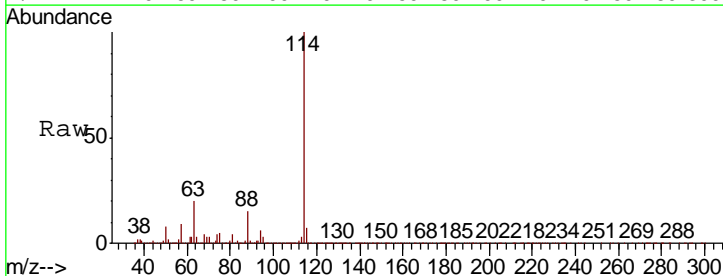
Instrument : MSVOA_X
 ClientSampleId : 1001-FB122019

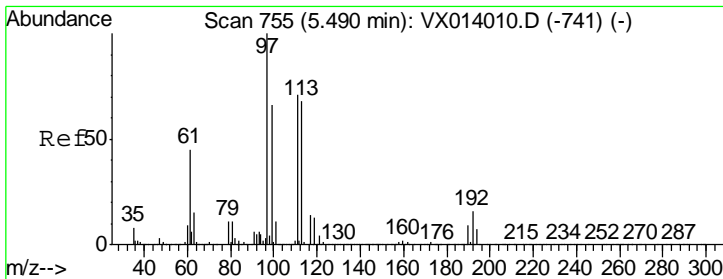
Tgt Ion	Resp	Lower	Upper
65	288992		
67	52.8	0.0	106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014310.D
 Acq: 27 Dec 2019 15:44

Tgt Ion	Resp	Lower	Upper
114	804362		
63	19.8	0.0	40.8
88	15.2	0.0	30.4

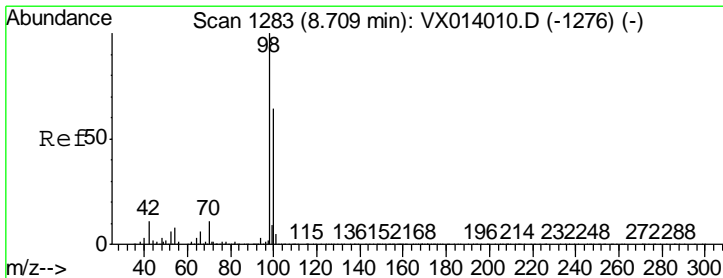
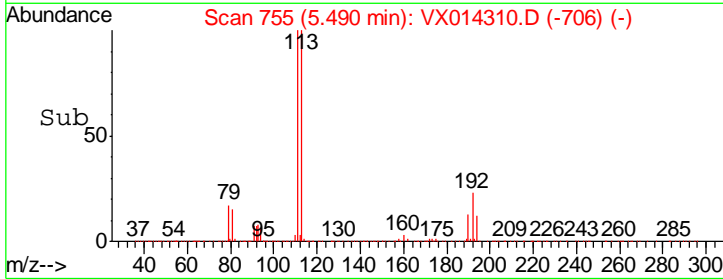
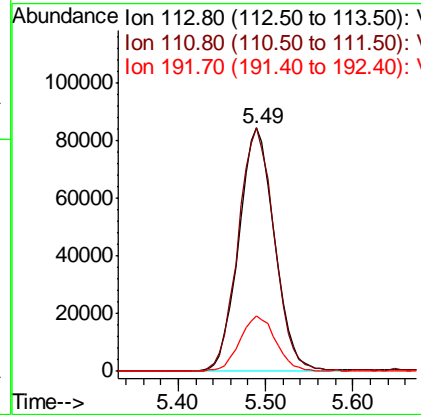
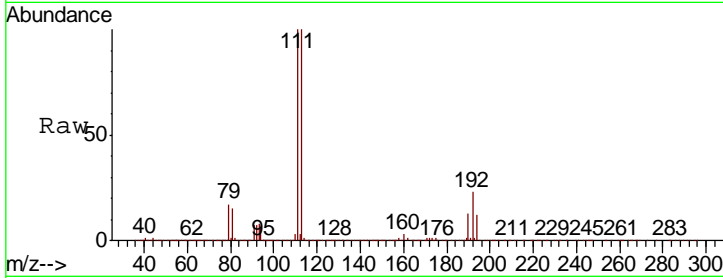




#35
 Dibromofluoromethane
 Concen: 49.144 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014310.D
 Acq: 27 Dec 2019 15:44

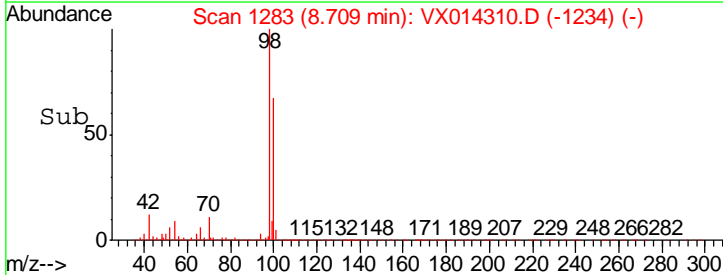
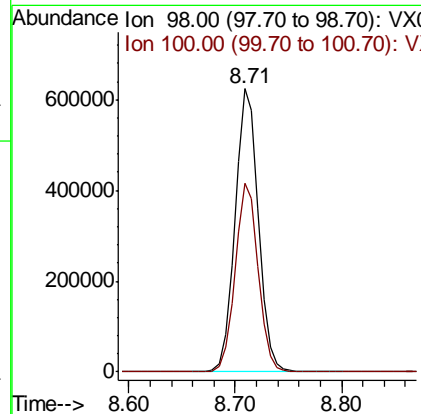
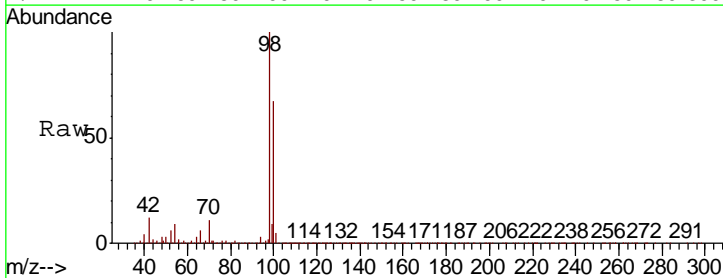
Instrument : MSVOA_X
 Client Sampled : 1001-FB122019

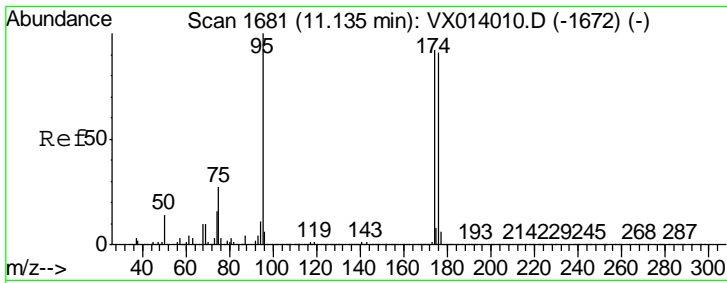
Tgt Ion	Resp	Lower	Upper
113	240295		
113	100		
111	100.4	82.0	123.0
192	23.2	19.3	28.9



#50
 Toluene-d8
 Concen: 50.231 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014310.D
 Acq: 27 Dec 2019 15:44

Tgt Ion	Resp	Lower	Upper
98	956215		
98	100		
100	65.7	52.9	79.3

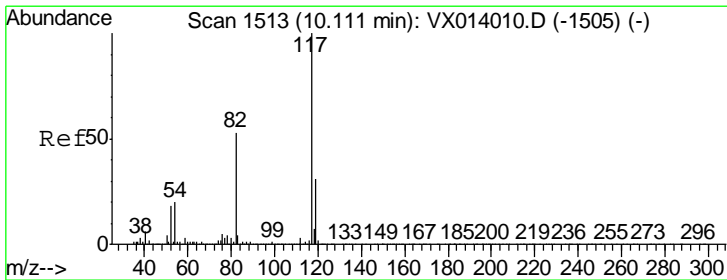
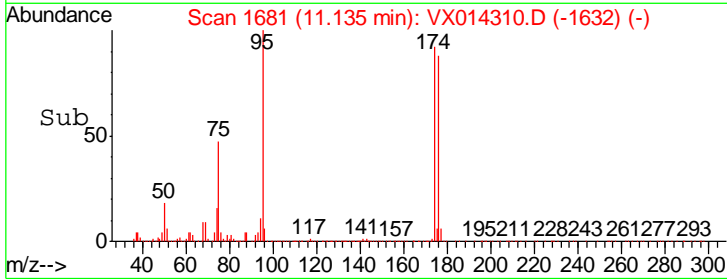
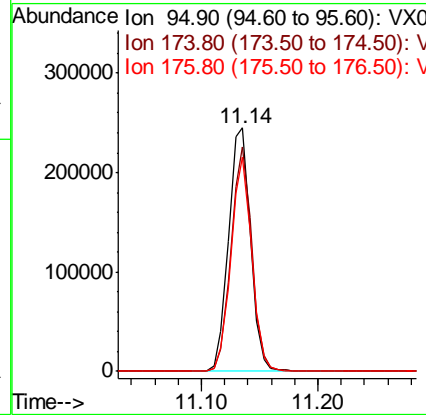
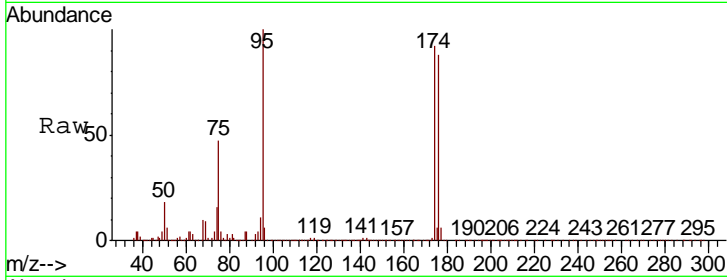




#62
 4-Bromofluorobenzene
 Concen: 45.853 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014310.D
 Acq: 27 Dec 2019 15:44

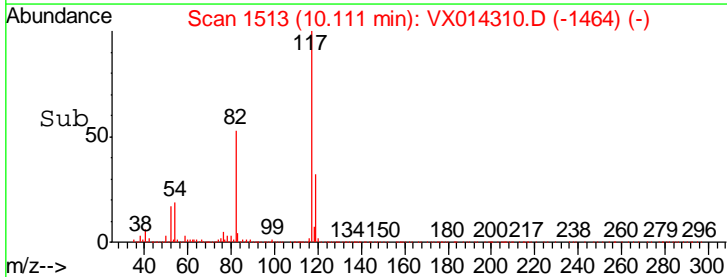
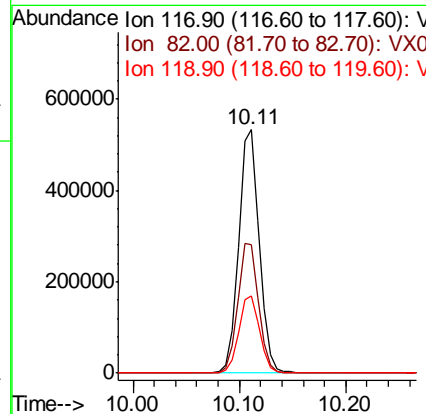
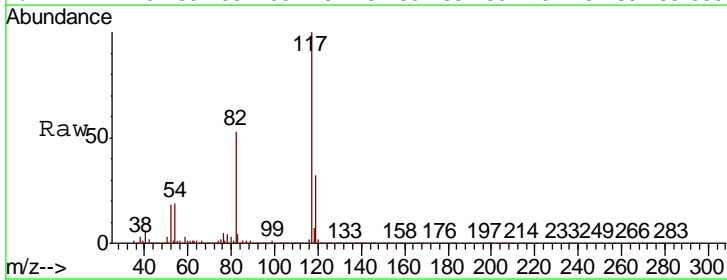
Instrument : MSVOA_X
 Client Sampled : 1001-FB122019

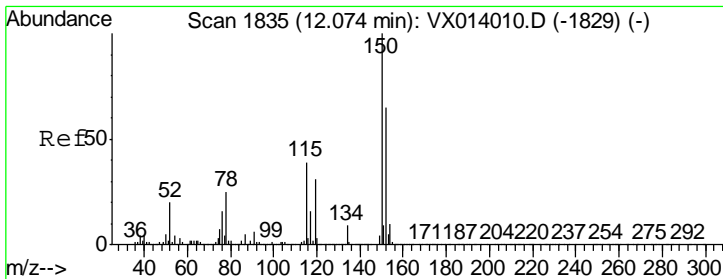
Tgt Ion	Resp	Lower	Upper
95	100		
174	87.4	0.0	175.8
176	83.5	0.0	173.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014310.D
 Acq: 27 Dec 2019 15:44

Tgt Ion	Resp	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	31.8	25.1	37.7

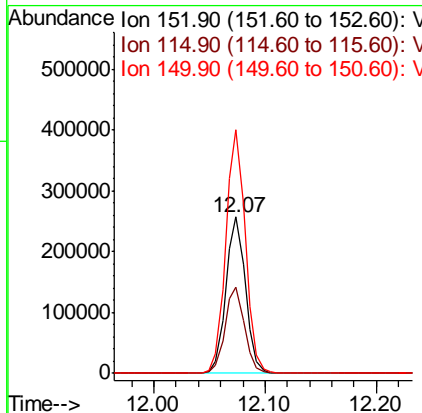
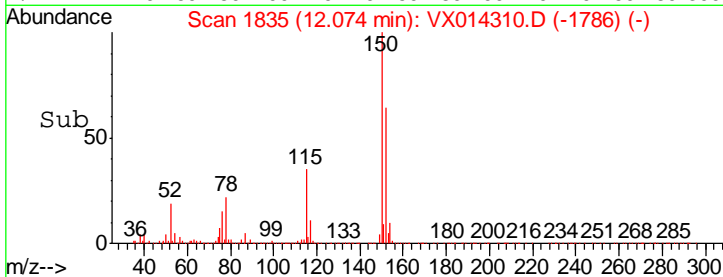
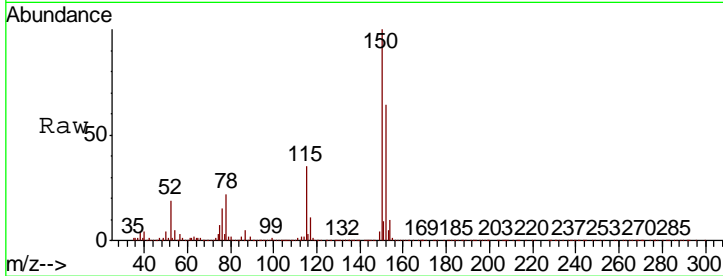




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014310.D
 Acq: 27 Dec 2019 15:44

Instrument : MSVOA_X
 ClientSampleId : 1001-FB122019

Tot Ion	Resp	Lower	Upper
152	100		
115	54.8	38.3	114.9
150	155.8	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014310.D
 Acq On : 27 Dec 2019 15:44
 Operator : JC/SP
 Sample : K6405-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1001-FB122019

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	37	rBV	472111	593947	24.00%	4.221%
2	1.265	58	62	69	rBV	46556	63329	2.56%	0.450%
3	1.600	109	117	120	rVB8	30777	56992	2.30%	0.405%
4	2.429	248	253	260	rVB	26220	39510	1.60%	0.281%
5	2.588	274	279	289	rVB	72883	130206	5.26%	0.925%
6	2.850	317	322	327	rVB3	13556	26981	1.09%	0.192%
7	5.490	743	755	766	rBV	275412	789802	31.92%	5.613%
8	5.654	772	782	797	rVB	505900	1391557	56.24%	9.889%
9	6.057	838	848	860	rVB	311837	814485	32.92%	5.788%
10	6.849	967	978	990	rBV	768001	1811777	73.22%	12.875%
11	8.709	1276	1283	1293	rBV	1623658	2474456	100.00%	17.584%
12	9.575	1421	1425	1430	rBV2	24075	33232	1.34%	0.236%
13	10.111	1507	1513	1524	rBV	1520067	2103790	85.02%	14.950%
14	11.135	1675	1681	1690	rVB	1203775	1549003	62.60%	11.008%
15	12.074	1829	1835	1842	rBV	1468163	1811492	73.21%	12.873%
16	12.269	1862	1867	1880	rBV	230618	348039	14.07%	2.473%
17	13.147	2004	2011	2018	rBV3	18145	33457	1.35%	0.238%

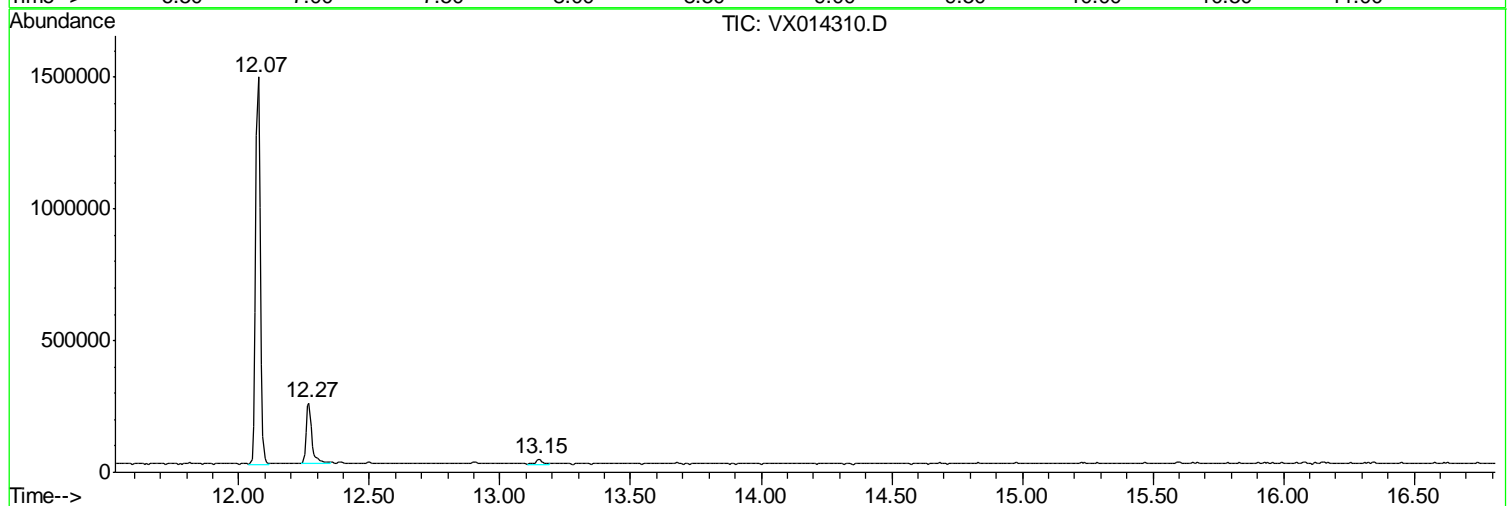
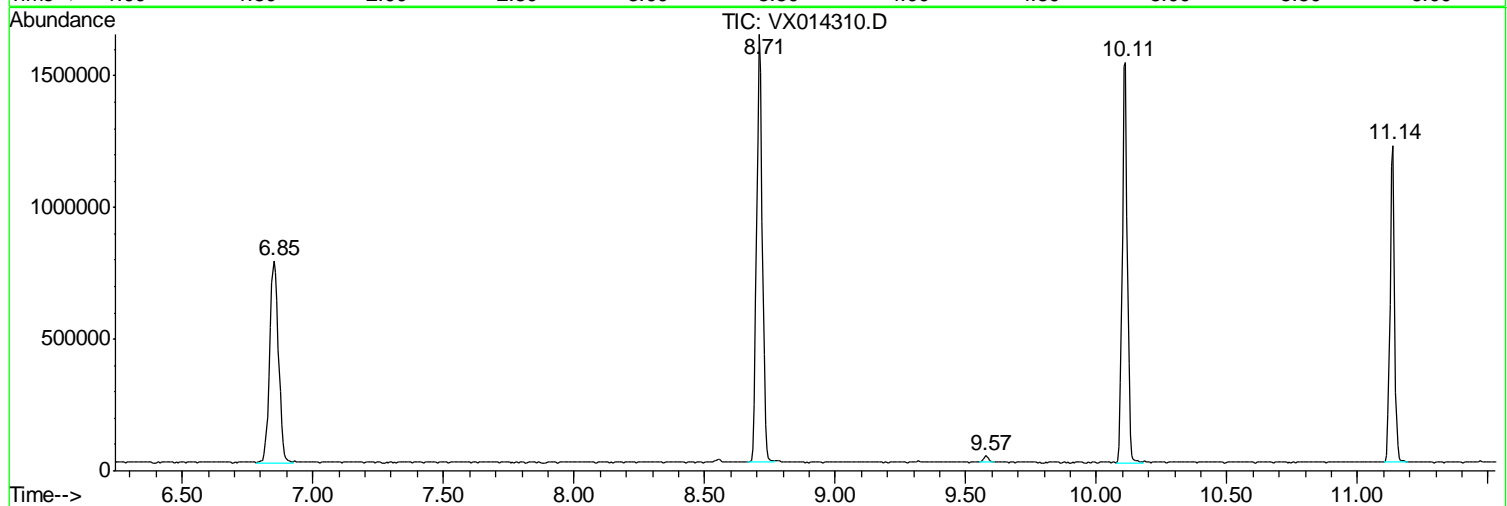
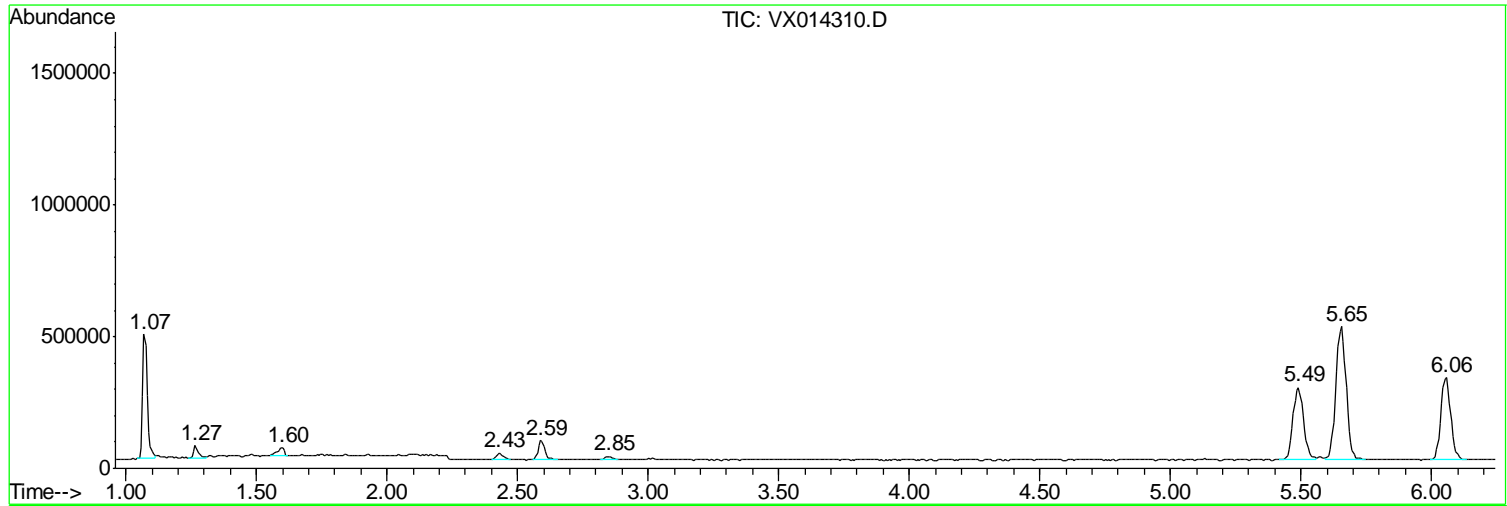
Sum of corrected areas: 14072055

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
Data File : VX014310.D
Acq On : 27 Dec 2019 15:44
Operator : JC/SP
Sample : K6405-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
1001-FB122019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014310.D
 Acq On : 27 Dec 2019 15:44
 Operator : JC/SP
 Sample : K6405-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 1001-FB122019

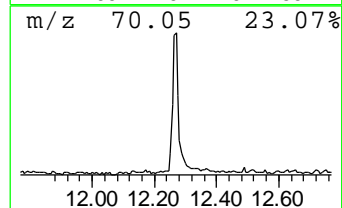
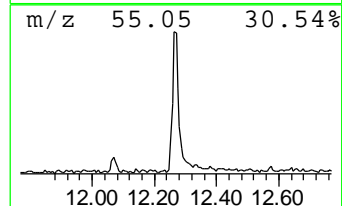
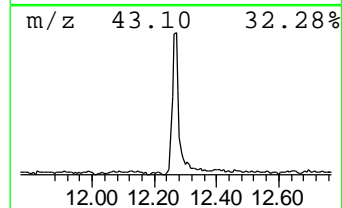
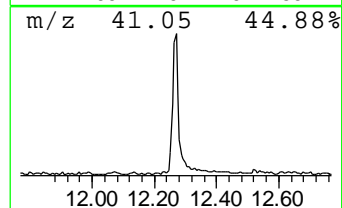
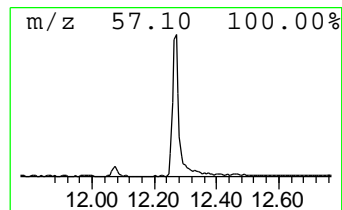
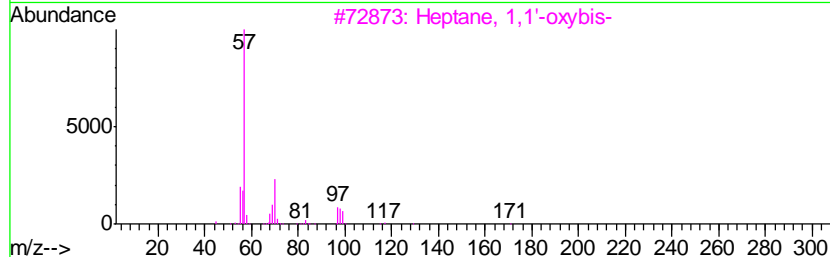
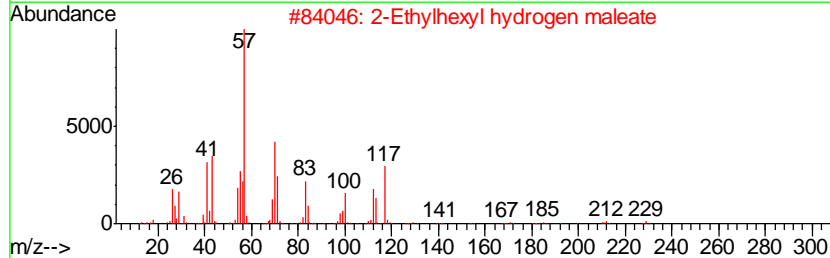
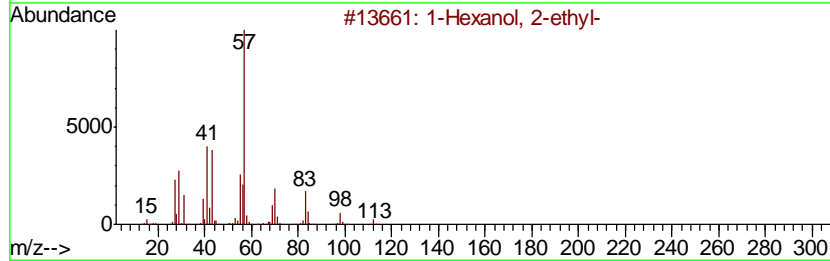
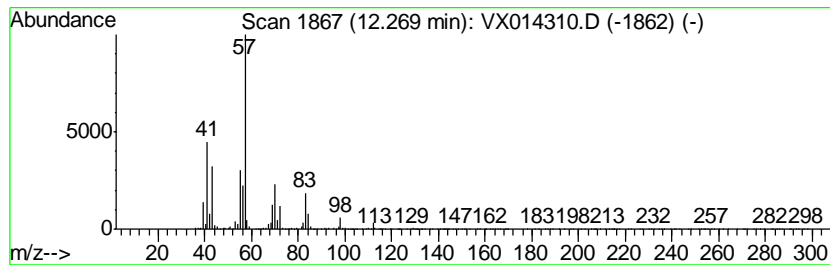
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

 Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	9.61 ug/l	348039	1,4-Dichlorobenzene-d4	12.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2		2-Ethylhexyl hydrogen maleate	228	C12H20O4	002370-71-0	53
3		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	53
4		1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	50
5		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014310.D
 Acq On : 27 Dec 2019 15:44
 Operator : JC/SP
 Sample : K6405-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1001-FB122019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1-Hexanol, 2-ethyl-	12.27	9.6	ug/l	348039	4	12.07	1811490	50.0



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	1002-TB122019	SDG No.:	K6405
Lab Sample ID:	K6405-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014265.D	1		12/26/19 13:38	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.16	1.00	ug/L
74-83-9	Bromomethane	5.00	U	2.10	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.18	1.00	ug/L
67-64-1	Acetone	5.00	U	0.90	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.30	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.31	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.17	1.00	ug/L
71-43-2	Benzene	1.00	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.85	5.00	ug/L
108-88-3	Toluene	1.00	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	1002-TB122019	SDG No.:	K6405
Lab Sample ID:	K6405-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014265.D	1		12/26/19 13:38	VX122619

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

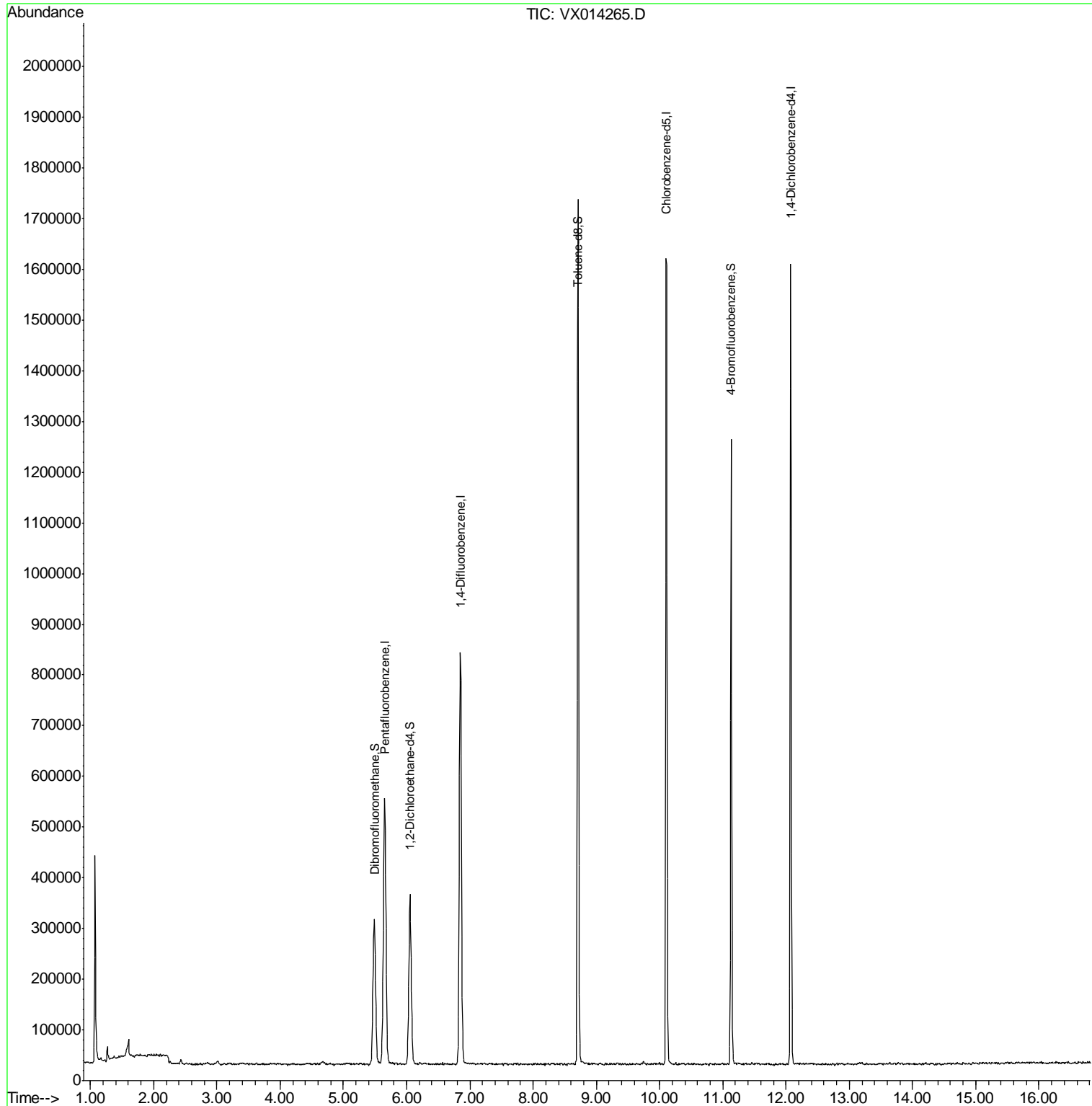
() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

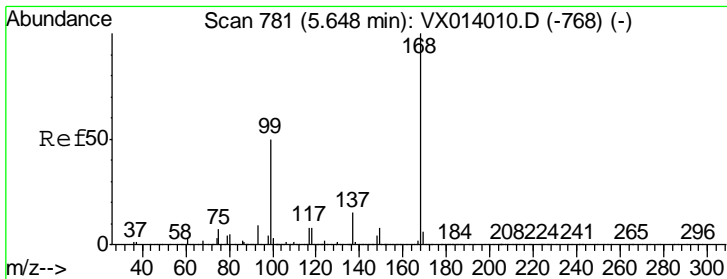
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014265.D
 Acq On : 26 Dec 2019 13:38
 Operator : JC/SP
 Sample : K6405-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1002-TB122019

Quant Time: Dec 27 06:51:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



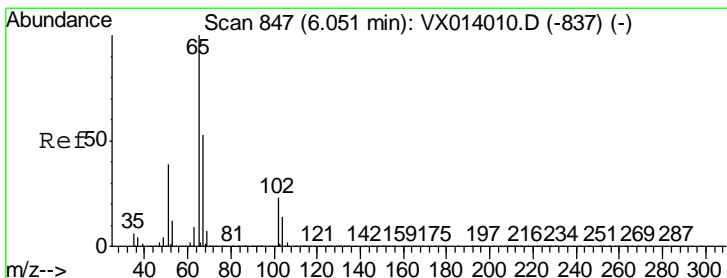
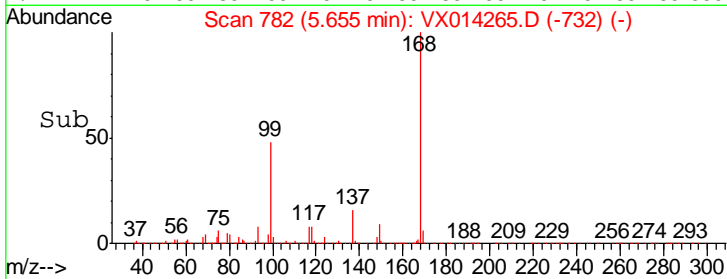
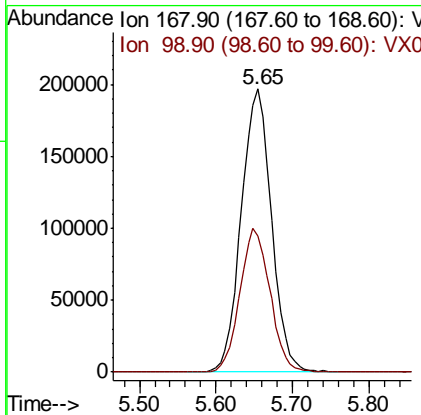
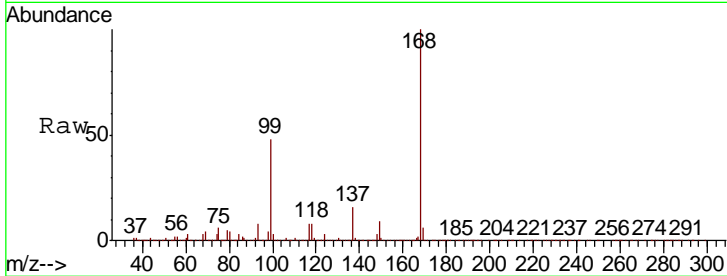
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#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014265.D
 Acq: 26 Dec 2019 13:38

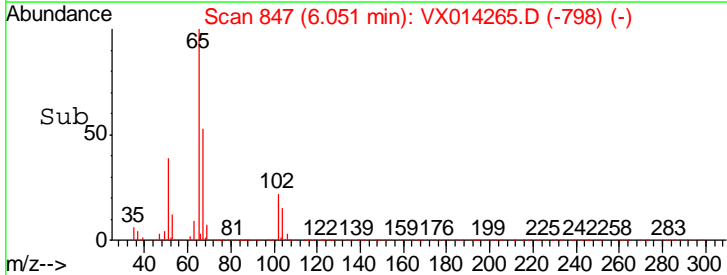
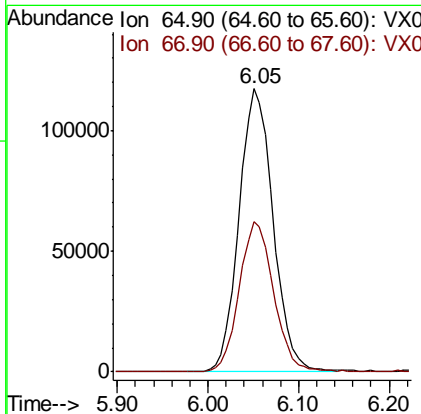
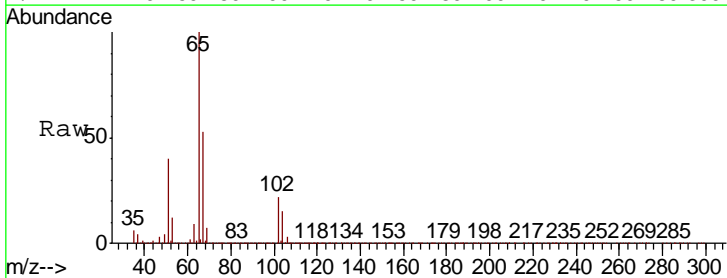
Instrument : MSVOA_X
 ClientSampleId : 1002-TB122019

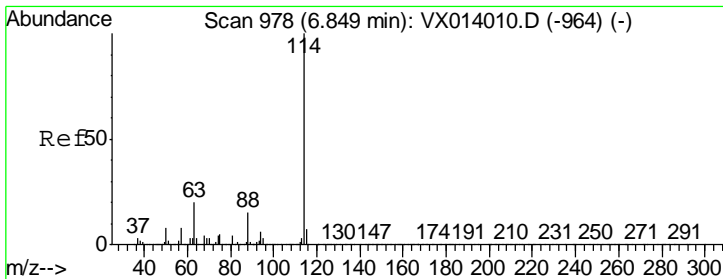
Tgt Ion	Resp	Lower	Upper
168	540463		
99	48.3	40.3	60.5



#33
 1,2-Dichloroethane-d4
 Concen: 49.730 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014265.D
 Acq: 26 Dec 2019 13:38

Tgt Ion	Resp	Lower	Upper
65	304615		
67	53.6	0.0	106.4

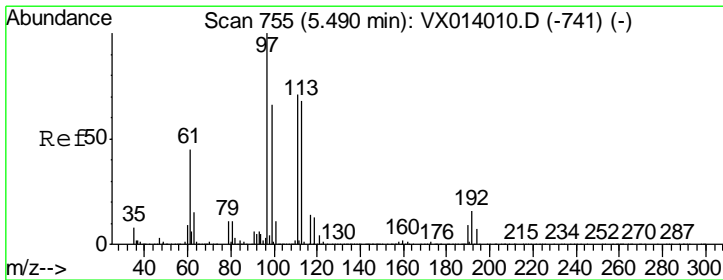
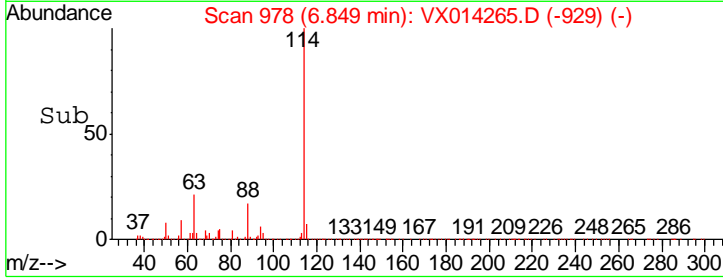
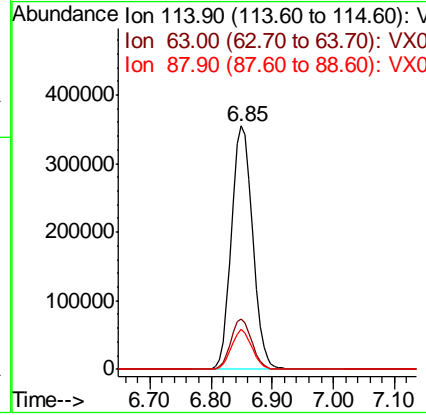
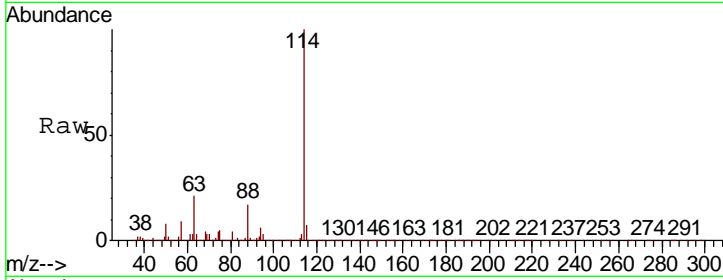




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014265.D
 Acq: 26 Dec 2019 13:38

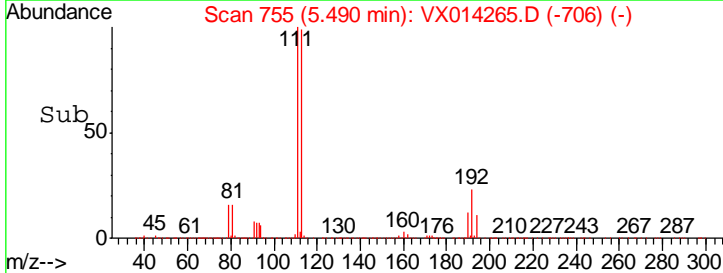
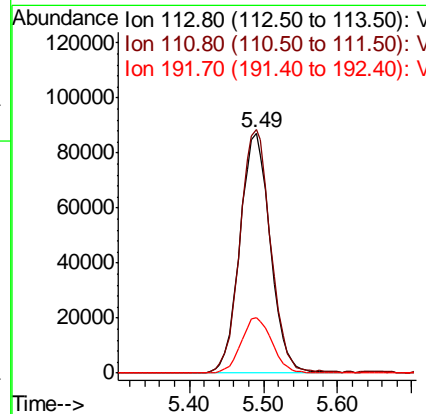
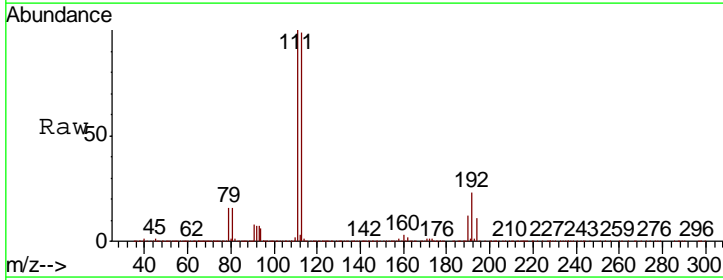
Instrument : MSVOA_X
 ClientSampleId : 1002-TB122019

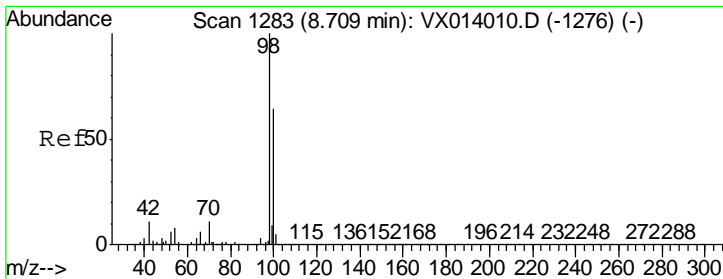
Tgt Ion	Resp	Lower	Upper
114	841355		
63	20.6	0.0	40.8
88	16.6	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 48.908 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014265.D
 Acq: 26 Dec 2019 13:38

Tgt Ion	Resp	Lower	Upper
113	250140		
111	102.0	82.0	123.0
192	23.1	19.3	28.9

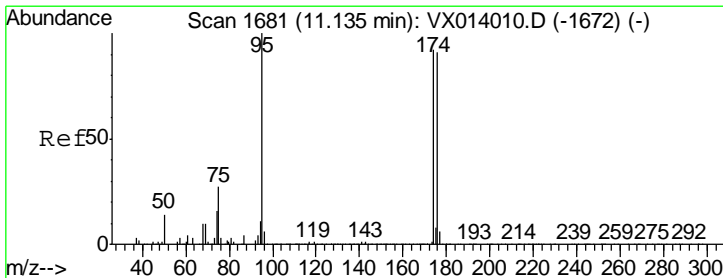
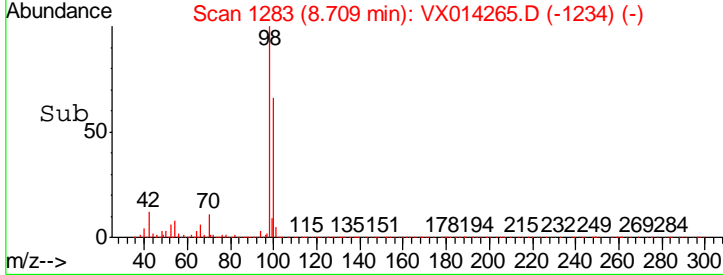
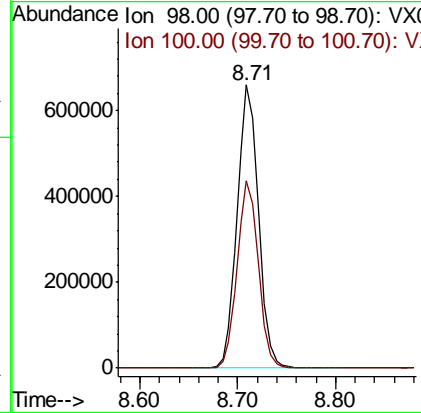
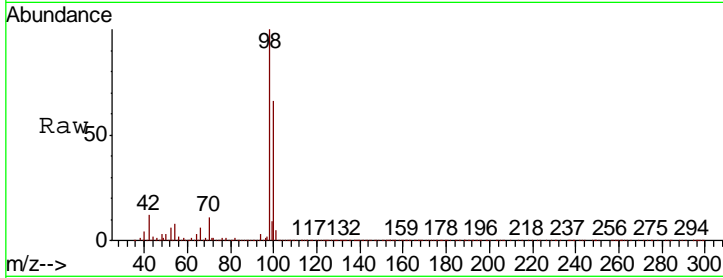




#50
 Toluene-d8
 Concen: 50.094 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014265.D
 Acq: 26 Dec 2019 13:38

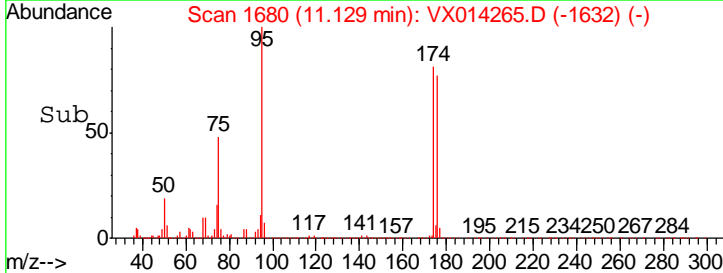
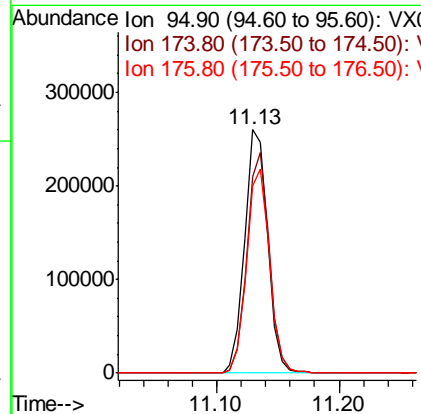
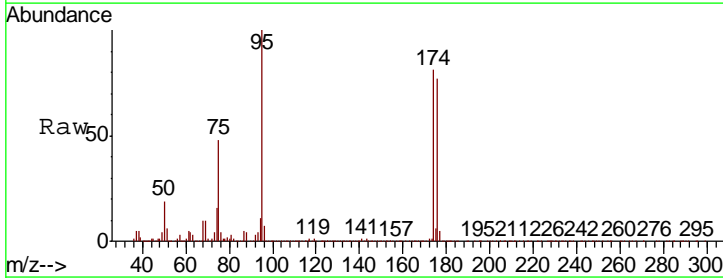
Instrument : MSVOA_X
 ClientSampleId : 1002-TB122019

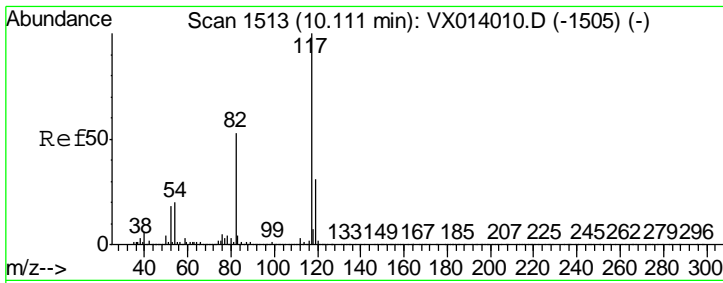
Tgt Ion	Resp	Lower	Upper
98	997476		
100	65.7	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 46.227 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014265.D
 Acq: 26 Dec 2019 13:38

Tgt Ion	Resp	Lower	Upper
95	336472		
174	88.9	0.0	175.8
176	84.1	0.0	173.0

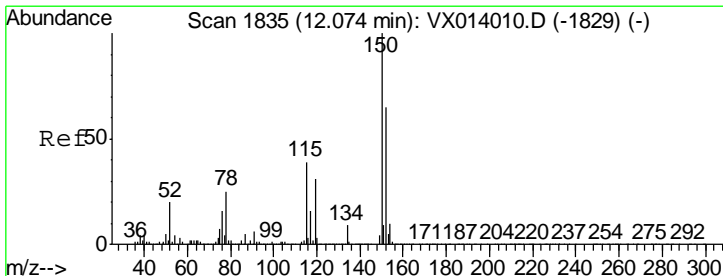
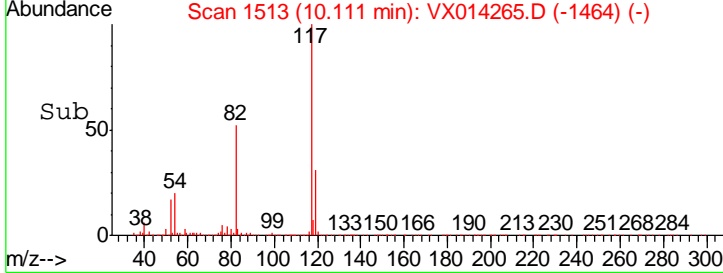
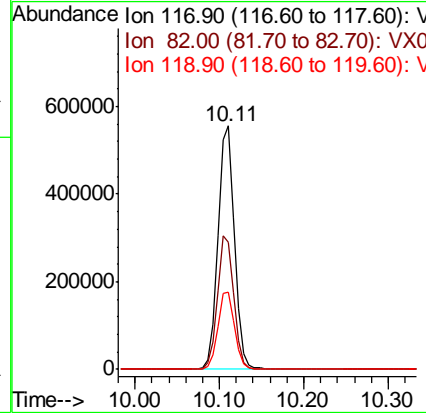
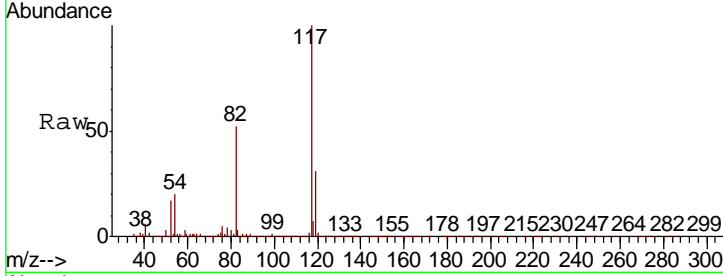




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014265.D
 Acq: 26 Dec 2019 13:38

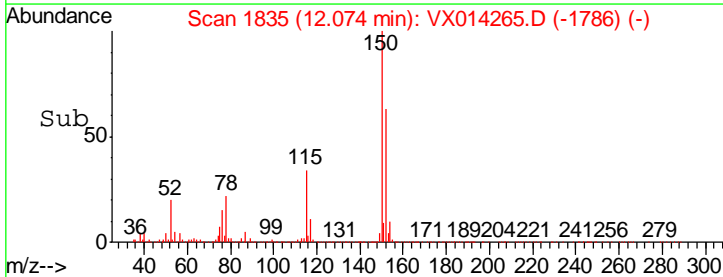
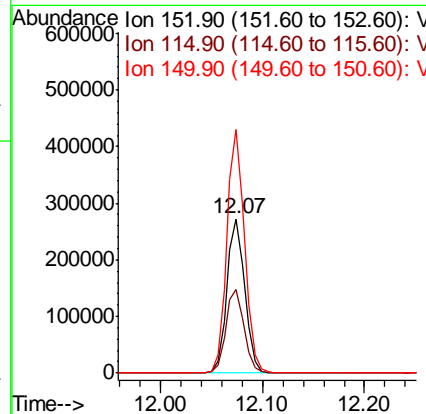
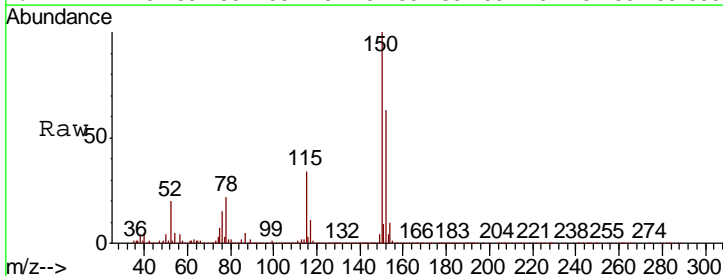
Instrument :
 MSVOA_X
 ClientSampled :
 1002-TB122019

Tgt Ion	Resp	Lower	Upper
117	752846		
82	52.4	42.2	63.4
119	31.4	25.1	37.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014265.D
 Acq: 26 Dec 2019 13:38

Tgt Ion	Resp	Lower	Upper
152	332840		
115	55.2	38.3	114.9
150	155.9	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014265.D
 Acq On : 26 Dec 2019 13:38
 Operator : JC/SP
 Sample : K6405-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1002-TB122019

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	41	rBV	408171	526601	20.32%	3.748%
2	1.265	59	62	69	rBV	31334	51581	1.99%	0.367%
3	1.600	109	117	122	rVB	33034	65583	2.53%	0.467%
4	5.490	743	755	767	rBV	286349	827368	31.92%	5.889%
5	5.655	771	782	796	rVV	522724	1447174	55.84%	10.301%
6	6.051	837	847	860	rVB	335263	862429	33.28%	6.139%
7	6.849	965	978	994	rBV	812857	1902961	73.43%	13.545%
8	8.709	1276	1283	1292	rBV	1706352	2591615	100.00%	18.447%
9	10.105	1507	1512	1520	rBV	1588116	2190052	84.51%	15.589%
10	11.129	1675	1680	1689	rBV	1231450	1636804	63.16%	11.651%
11	12.074	1829	1835	1845	rBV	1579042	1946806	75.12%	13.857%

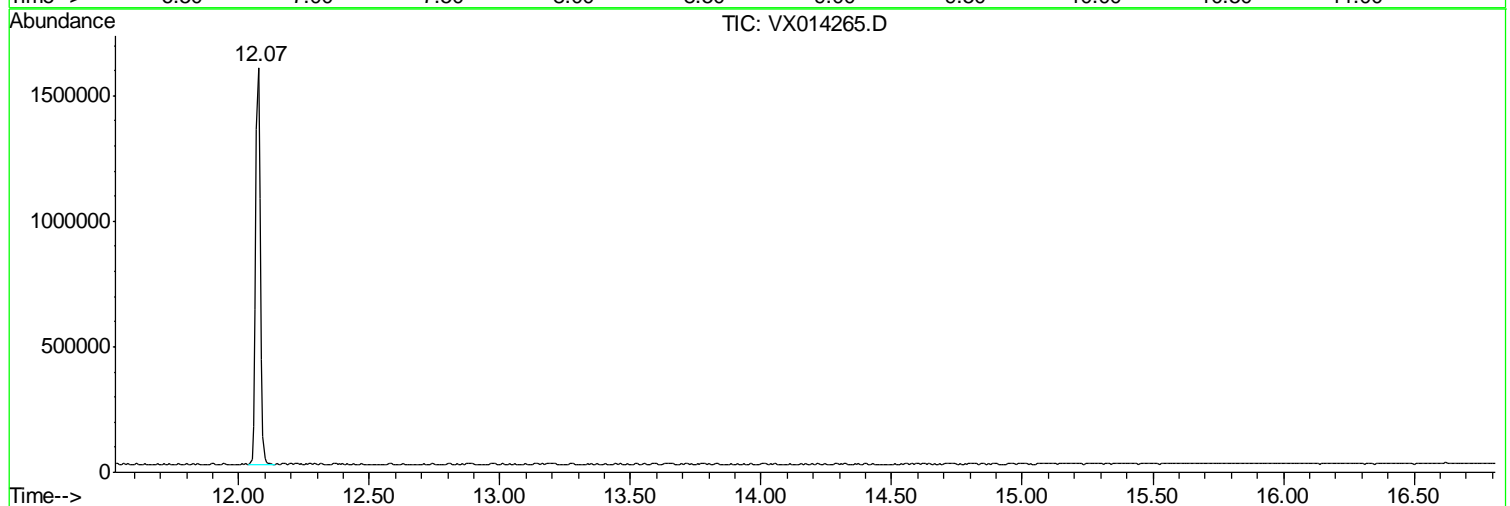
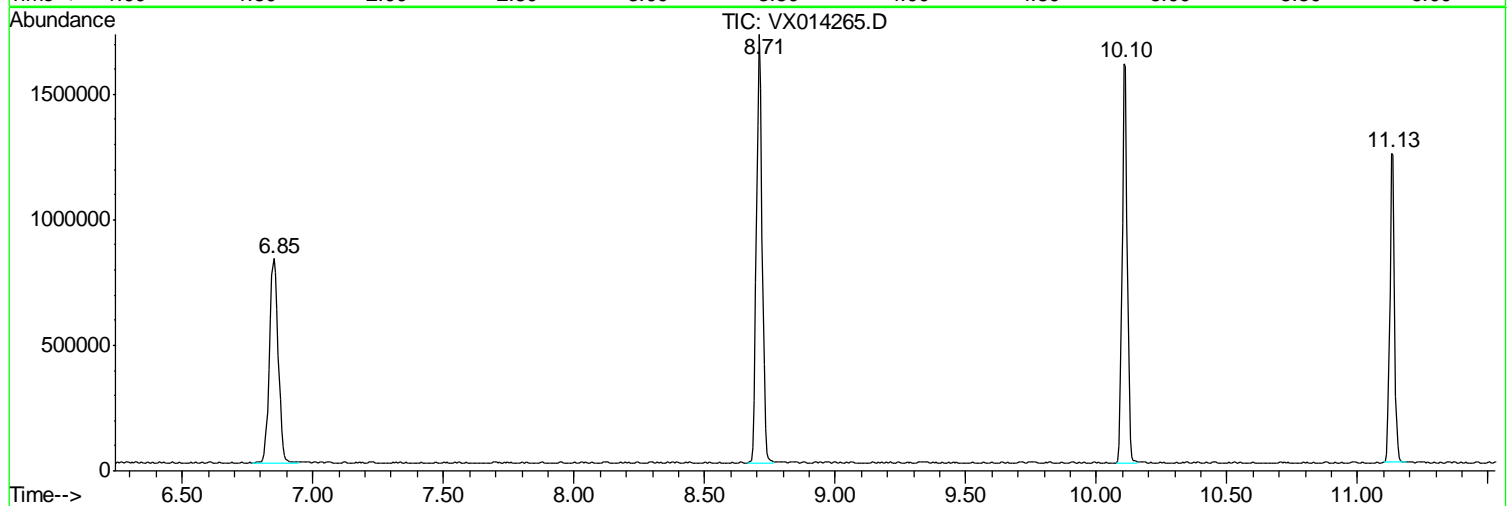
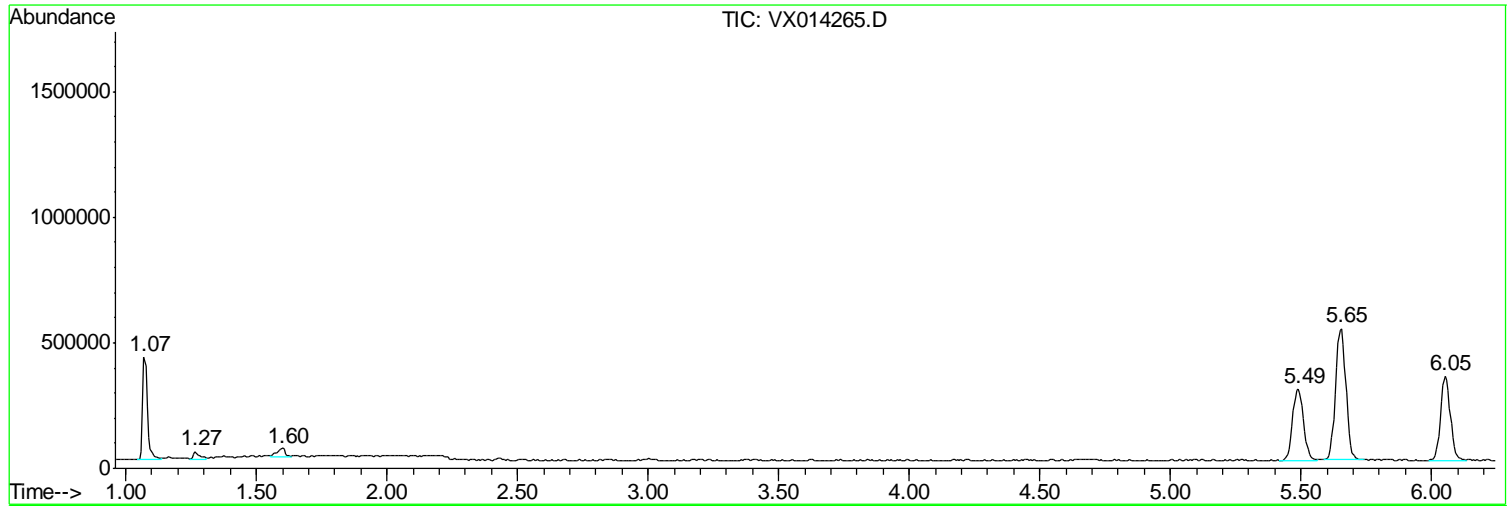
Sum of corrected areas: 14048974

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
Data File : VX014265.D
Acq On : 26 Dec 2019 13:38
Operator : JC/SP
Sample : K6405-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
1002-TB122019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
Data File : VX014265.D
Acq On : 26 Dec 2019 13:38
Operator : JC/SP
Sample : K6405-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1002-TB122019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014265.D
 Acq On : 26 Dec 2019 13:38
 Operator : JC/SP
 Sample : K6405-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1002-TB122019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

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

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CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG No.: K6405
 Instrument ID: MSVOA_X Calibration Date(s): 12/13/2019 12/13/2019
 Heated Purge: (Y/N) N Calibration Time(s): 14:49 16:45
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX014007.D	RRF005 = VX014008.D	RRF020 = VX014009.D	RRF050 = VX014010.D	RRF100 = VX014011.D	RRF150 = VX014012.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.477	0.447	0.446	0.431	0.441	0.442	0.447	3.5
Chloromethane	0.668	0.604	0.599	0.583	0.571	0.577	0.600	5.9
Vinyl Chloride	0.767	0.606	0.615	0.603	0.608	0.602	0.633	10.4
Bromomethane		0.513	0.434	0.414	0.432	0.454	0.450	8.5
Chloroethane	0.457	0.403	0.377	0.373	0.369	0.366	0.391	9
Trichlorofluoromethane	0.889	0.764	0.766	0.753	0.762	0.771	0.784	6.6
1,1,2-Trichlorotrifluoroethane	0.521	0.489	0.459	0.449	0.456	0.462	0.473	5.8
1,1-Dichloroethene	0.532	0.487	0.459	0.457	0.471	0.479	0.481	5.7
Acetone	0.397	0.332	0.394	0.366	0.365	0.354	0.368	6.7
Carbon Disulfide	1.891	1.351	1.288	1.290	1.324	1.363	1.418	16.5
Methyl tert-butyl Ether	1.649	1.571	1.550	1.545	1.569	1.600	1.580	2.5
Methyl Acetate	0.801	0.708	0.702	0.690	0.731	0.742	0.729	5.5
Methylene Chloride	0.735	0.604	0.546	0.523	0.531	0.538	0.579	14
trans-1,2-Dichloroethene	0.629	0.532	0.502	0.496	0.509	0.511	0.530	9.4
1,1-Dichloroethane	1.111	0.946	0.903	0.899	0.922	0.932	0.952	8.4
Cyclohexane		0.850	0.840	0.839	0.846	0.859	0.847	0.9
2-Butanone	0.439	0.450	0.473	0.450	0.456	0.454	0.454	2.5
Carbon Tetrachloride	0.429	0.394	0.402	0.418	0.426	0.439	0.418	4.1
cis-1,2-Dichloroethene	0.703	0.573	0.576	0.568	0.582	0.593	0.599	8.6
Bromochloromethane	0.286	0.222	0.374	0.371	0.371	0.366	0.332	19.1
Chloroform	0.989	0.885	0.883	0.878	0.882	0.898	0.903	4.8
1,1,1-Trichloroethane	0.844	0.750	0.738	0.743	0.764	0.776	0.769	5.1
Methylcyclohexane	0.628	0.539	0.552	0.548	0.560	0.572	0.566	5.6
Benzene	1.587	1.419	1.367	1.353	1.369	1.374	1.412	6.3
1,2-Dichloroethane	0.491	0.503	0.480	0.459	0.466	0.471	0.479	3.5
Trichloroethene	0.477	0.386	0.361	0.362	0.374	0.379	0.390	11.2
1,2-Dichloropropane	0.391	0.365	0.355	0.348	0.354	0.357	0.362	4.2
Bromodichloromethane	0.480	0.419	0.429	0.444	0.460	0.472	0.451	5.3
4-Methyl-2-Pentanone	0.510	0.545	0.527	0.515	0.528	0.534	0.527	2.4
Toluene	1.011	0.885	0.870	0.858	0.860	0.870	0.892	6.6
t-1,3-Dichloropropene	0.466	0.425	0.478	0.508	0.534	0.553	0.494	9.5
cis-1,3-Dichloropropene	0.520	0.497	0.546	0.562	0.580	0.597	0.550	6.8
1,1,2-Trichloroethane	0.398	0.345	0.357	0.345	0.347	0.354	0.358	5.8

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG No.: K6405
 Instrument ID: MSVOA_X Calibration Date(s): 12/13/2019 12/13/2019
 Heated Purge: (Y/N) N Calibration Time(s): 14:49 16:45
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX014007.D	RRF005 = VX014008.D	RRF020 = VX014009.D	RRF050 = VX014010.D	RRF100 = VX014011.D	RRF150 = VX014012.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.385	0.421	0.439	0.426	0.437	0.435	0.424	4.8
Dibromochloromethane	0.330	0.321	0.346	0.361	0.380	0.394	0.355	8
1,2-Dibromoethane	0.388	0.344	0.362	0.361	0.366	0.374	0.366	4
Tetrachloroethene	0.489	0.418	0.403	0.424	0.472	0.449	0.442	7.6
Chlorobenzene	1.214	1.071	1.027	1.016	1.024	1.028	1.063	7.2
Ethyl Benzene	1.986	1.800	1.789	1.809	1.789	1.794	1.828	4.3
m/p-Xylenes	0.764	0.693	0.683	0.689	0.694	0.695	0.703	4.3
o-Xylene	0.742	0.689	0.667	0.676	0.678	0.685	0.689	3.9
Styrene	1.222	1.076	1.125	1.172	1.187	1.213	1.166	4.8
Bromoform	0.287	0.260	0.280	0.310	0.337	0.356	0.305	12
Isopropylbenzene	3.867	3.577	3.530	3.471	3.394	3.284	3.520	5.6
1,1,2,2-Tetrachloroethane	1.306	1.258	1.224	1.194	1.179	1.162	1.220	4.4
1,3-Dichlorobenzene	2.043	1.661	1.617	1.602	1.634	1.630	1.698	10
1,4-Dichlorobenzene	2.201	1.698	1.598	1.595	1.629	1.636	1.726	13.6
1,2-Dichlorobenzene	2.038	1.727	1.632	1.627	1.623	1.607	1.709	9.7
1,2-Dibromo-3-Chloropropane	0.346	0.265	0.246	0.252	0.258	0.253	0.270	13.9
1,2,4-Trichlorobenzene	1.309	0.998	1.013	1.076	1.131	1.138	1.111	10.2
1,2,3-Trichlorobenzene	1.218	1.011	1.035	1.088	1.120	1.107	1.096	6.7
1,2-Dichloroethane-d4		0.620	0.520	0.554	0.563	0.577	0.567	6.4
Dibromofluoromethane		0.322	0.276	0.301	0.306	0.315	0.304	5.8
Toluene-d8		1.238	1.102	1.191	1.190	1.196	1.183	4.2
4-Bromofluorobenzene		0.436	0.387	0.434	0.446	0.461	0.433	6.4

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 82X121319W.M
 Title : SW846 8260
 Last Update : Tue Dec 17 03:01:07 2019
 Response Via : Initial Calibration

Calibration Files

1 =VX014007.D 5 =VX014008.D 20 =VX014009.D
 50 =VX014010.D 100 =VX014011.D 150 =VX014012.D

Compound	1	5	20	50	100	150	Avg	%RSD
-----ISTD-----								
1) I Pentafluorobenzene								
2) T Dichlorodifluorom	0.477	0.447	0.446	0.431	0.441	0.442	0.447	3.52
3) P Chloromethane	0.668	0.604	0.599	0.583	0.571	0.577	0.600	5.91
4) C Vinyl Chloride	0.767	0.606	0.615	0.603	0.608	0.602	0.633	10.36#
5) T Bromomethane		0.513	0.434	0.414	0.432	0.454	0.450	8.54
6) T Chloroethane	0.457	0.403	0.377	0.373	0.369	0.366	0.391	8.98
7) T Trichlorofluorome	0.889	0.764	0.766	0.753	0.762	0.771	0.784	6.58
8) T Diethyl Ether	0.446	0.372	0.349	0.345	0.345	0.351	0.368	10.75
9) T 1,1,2-Trichlorotr	0.521	0.489	0.459	0.449	0.456	0.462	0.473	5.80
10) T Methyl Iodide		0.427	0.541	0.612	0.651	0.643	0.575	16.27
11) T Tert butyl alcoho		0.150	0.116	0.112	0.116	0.119	0.122	12.57
12) CM 1,1-Dichloroethen	0.532	0.487	0.459	0.457	0.471	0.479	0.481	5.72#
13) T Acrolein		0.068	0.062	0.065	0.073	0.083	0.070	12.01
14) T Allyl chloride	0.925	0.814	0.839	0.834	0.863	0.878	0.859	4.57
15) T Acrylonitrile	0.300	0.294	0.280	0.272	0.281	0.287	0.286	3.52
16) T Acetone	0.397	0.332	0.394	0.366	0.365	0.354	0.368	6.68
17) T Carbon Disulfide	1.891	1.351	1.288	1.290	1.324	1.363	1.418	16.48
18) T Methyl Acetate	0.801	0.708	0.702	0.690	0.731	0.742	0.729	5.53
19) T Methyl tert-butyl	1.649	1.571	1.550	1.545	1.569	1.600	1.580	2.45
20) T Methylene Chlorid	0.735	0.604	0.546	0.523	0.531	0.538	0.579	14.02
21) T trans-1,2-Dichlor	0.629	0.532	0.502	0.496	0.509	0.511	0.530	9.42
22) T Diisopropyl ether	1.791	1.733	1.690	1.662	1.681	1.711	1.711	2.69
23) T Vinyl Acetate	1.465	1.404	1.418	1.382	1.334	1.375	1.397	3.16
24) P 1,1-Dichloroethan	1.111	0.946	0.903	0.899	0.922	0.932	0.952	8.41
25) T 2-Butanone	0.439	0.450	0.473	0.450	0.456	0.454	0.454	2.49
26) T 2,2-Dichloropropa	0.826	0.688	0.711	0.719	0.740	0.752	0.739	6.49
27) T cis-1,2-Dichloroe	0.703	0.573	0.576	0.568	0.582	0.593	0.599	8.63
28) T Bromochloromethan	0.286	0.222	0.374	0.371	0.371	0.366	0.332	19.15
29) T Tetrahydrofuran	0.271	0.249	0.248	0.244	0.253	0.257	0.254	3.80
30) C Chloroform	0.989	0.885	0.883	0.878	0.882	0.898	0.903	4.77#
31) T Cyclohexane		0.850	0.840	0.839	0.846	0.859	0.847	0.94
32) T 1,1,1-Trichloroet	0.844	0.750	0.738	0.743	0.764	0.776	0.769	5.10
33) S 1,2-Dichloroethan		0.620	0.520	0.554	0.563	0.577	0.567	6.39
-----ISTD-----								
34) I 1,4-Difluorobenzene								
35) S Dibromofluorometh		0.322	0.276	0.301	0.306	0.315	0.304	5.76
36) T 1,1-Dichloroprope	0.518	0.447	0.438	0.441	0.450	0.458	0.459	6.54
37) T Ethyl Acetate	0.499	0.504	0.515	0.502	0.505	0.514	0.507	1.25
38) T Carbon Tetrachlor	0.429	0.394	0.402	0.418	0.426	0.439	0.418	4.11
39) T Methylcyclohexane	0.628	0.539	0.552	0.548	0.560	0.572	0.566	5.64
40) TM Benzene	1.587	1.419	1.367	1.353	1.369	1.374	1.412	6.30
41) T Methacrylonitrile	0.296	0.257	0.287	0.270	0.291	0.286	0.281	5.22
42) TM 1,2-Dichloroethan	0.491	0.503	0.480	0.459	0.466	0.471	0.479	3.45
43) T Isopropyl Acetate	0.849	0.822	0.815	0.820	0.854	0.871	0.838	2.74
44) TM Trichloroethene	0.477	0.386	0.361	0.362	0.374	0.379	0.390	11.24
45) C 1,2-Dichloropropa	0.391	0.365	0.355	0.348	0.354	0.357	0.362	4.21#
46) T Dibromomethane	0.297	0.223	0.227	0.225	0.228	0.234	0.239	11.94
47) T Bromodichlorometh	0.480	0.419	0.429	0.444	0.460	0.472	0.451	5.34
48) T Methyl methacryla	0.417	0.384	0.406	0.406	0.423	0.428	0.411	3.89
49) T 1,4-Dioxane	0.009	0.009	0.008	0.008	0.008	0.008	0.008	7.43
50) S Toluene-d8		1.238	1.102	1.191	1.190	1.196	1.183	4.19
51) T 4-Methyl-2-Pentan	0.510	0.545	0.527	0.515	0.528	0.534	0.527	2.37
52) CM Toluene	1.011	0.885	0.870	0.858	0.860	0.870	0.892	6.59#

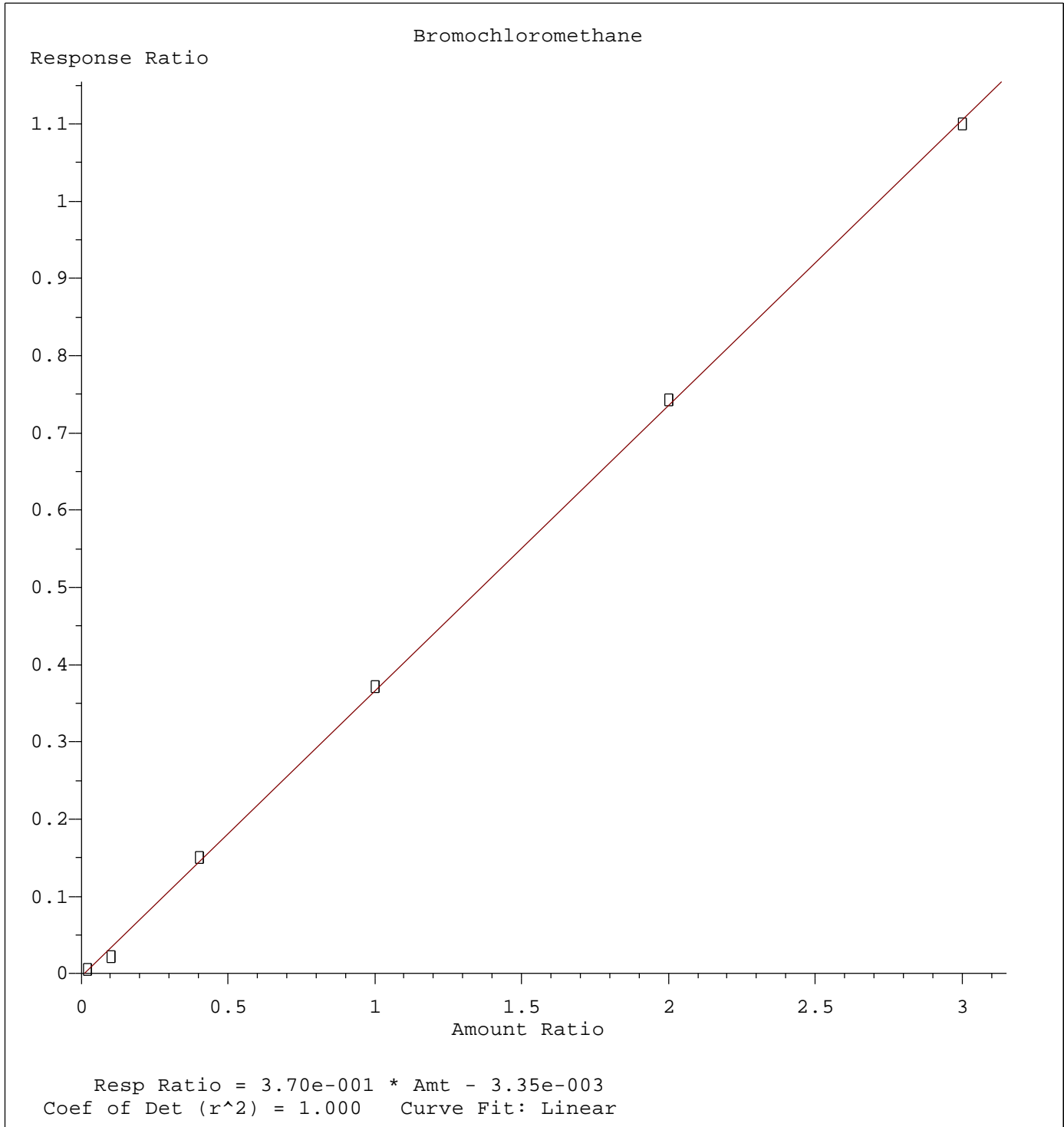
Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 82X121319W.M
 Title : SW846 8260
 Last Update : Tue Dec 17 03:01:07 2019
 Response Via : Initial Calibration

Calibration Files

1 =VX014007.D 5 =VX014008.D 20 =VX014009.D
 50 =VX014010.D 100 =VX014011.D 150 =VX014012.D

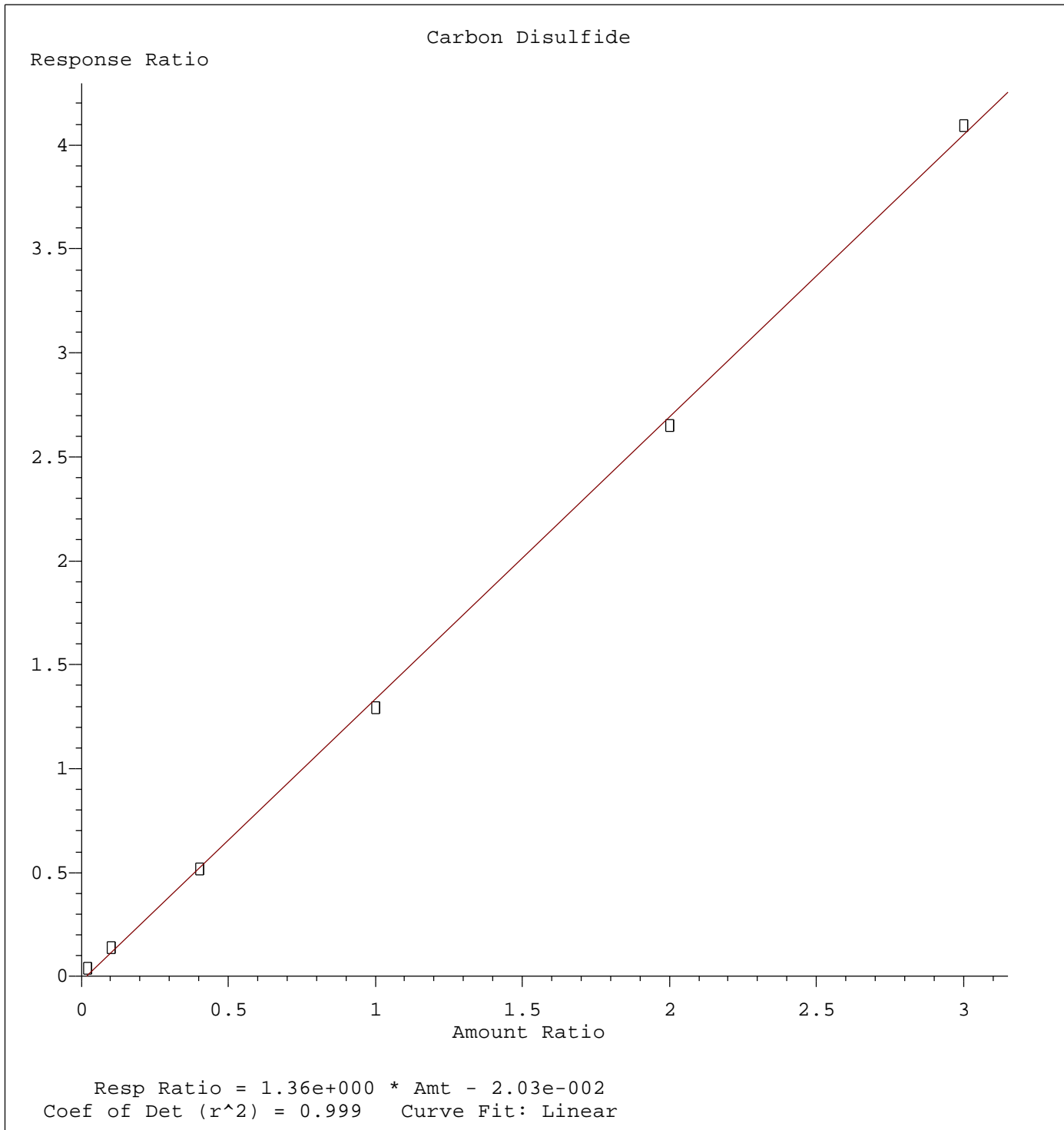
	Compound	1	5	20	50	100	150	Avg	%RSD
53) T	t-1,3-Dichloropro	0.466	0.425	0.478	0.508	0.534	0.553	0.494	9.51
54) T	cis-1,3-Dichlorop	0.520	0.497	0.546	0.562	0.580	0.597	0.550	6.78
55) T	1,1,2-Trichloroet	0.398	0.345	0.357	0.345	0.347	0.354	0.358	5.75
56) T	Ethyl methacrylat	0.519	0.526	0.556	0.570	0.594	0.607	0.562	6.30
57) T	1,3-Dichloropropa	0.645	0.601	0.589	0.588	0.590	0.596	0.602	3.63
58) T	2-Chloroethyl Vin	0.180	0.208	0.216	0.221	0.223	0.228	0.213	8.25
59) T	2-Hexanone	0.385	0.421	0.439	0.426	0.437	0.435	0.424	4.79
60) T	Dibromochlorometh	0.330	0.321	0.346	0.361	0.380	0.394	0.355	7.98
61) T	1,2-Dibromoethane	0.388	0.344	0.362	0.361	0.366	0.374	0.366	4.02
62) S	4-Bromofluorobenz		0.436	0.387	0.434	0.446	0.461	0.433	6.39
63) I	Chlorobenzene-d5	-----ISTD-----							
64) T	Tetrachloroethene	0.489	0.418	0.403	0.424	0.472	0.449	0.442	7.55
65) PM	Chlorobenzene	1.214	1.071	1.027	1.016	1.024	1.028	1.063	7.18
66) T	1,1,1,2-Tetrachlo	0.404	0.363	0.370	0.372	0.382	0.387	0.380	3.92
67) C	Ethyl Benzene	1.986	1.800	1.789	1.809	1.789	1.794	1.828	4.26#
68) T	m/p-Xylenes	0.764	0.693	0.683	0.689	0.694	0.695	0.703	4.28
69) T	o-Xylene	0.742	0.689	0.667	0.676	0.678	0.685	0.689	3.91
70) T	Styrene	1.222	1.076	1.125	1.172	1.187	1.213	1.166	4.79
71) P	Bromoform	0.287	0.260	0.280	0.310	0.337	0.356	0.305	11.97
72) I	1,4-Dichlorobenzene-d	-----ISTD-----							
73) T	Isopropylbenzene	3.867	3.577	3.530	3.471	3.394	3.284	3.520	5.64
74) T	N-amyl acetate	1.669	1.583	1.637	1.657	1.682	1.673	1.650	2.20
75) P	1,1,2,2-Tetrachlo	1.306	1.258	1.224	1.194	1.179	1.162	1.220	4.44
76) T	1,2,3-Trichloropr	1.076	1.126	1.113	1.098	1.063	1.037	1.085	3.08
77) T	Bromobenzene	1.205	0.961	0.930	0.902	0.910	0.904	0.969	12.20
78) T	n-propylbenzene	4.283	3.780	3.945	3.963	3.926	3.794	3.949	4.60
79) T	2-Chlorotoluene	2.727	2.375	2.383	2.360	2.302	2.255	2.400	6.98
80) T	1,3,5-Trimethylbe	3.201	2.926	2.963	2.927	2.913	2.846	2.963	4.14
81) T	trans-1,4-Dichlor		0.306	0.360	0.401	0.425	0.431	0.385	13.56
82) T	4-Chlorotoluene	3.186	2.727	2.722	2.688	2.713	2.669	2.784	7.12
83) T	tert-Butylbenzene	3.255	2.927	2.866	2.807	2.719	2.726	2.883	6.90
84) T	1,2,4-Trimethylbe	3.148	2.928	2.962	2.940	2.923	2.901	2.967	3.06
85) T	sec-Butylbenzene	3.705	3.313	3.325	3.368	3.395	3.317	3.404	4.43
86) T	p-Isopropyltoluen	3.200	3.057	3.079	3.101	3.122	3.122	3.114	1.59
87) T	1,3-Dichlorobenze	2.043	1.661	1.617	1.602	1.634	1.630	1.698	10.02
88) T	1,4-Dichlorobenze	2.201	1.698	1.598	1.595	1.629	1.636	1.726	13.65
89) T	n-Butylbenzene	2.768	2.384	2.527	2.696	2.777	2.787	2.657	6.22
90) T	Hexachloroethane	0.569	0.505	0.537	0.560	0.587	0.598	0.559	6.06
91) T	1,2-Dichlorobenze	2.038	1.727	1.632	1.627	1.623	1.607	1.709	9.75
92) T	1,2-Dibromo-3-Chl	0.346	0.265	0.246	0.252	0.258	0.253	0.270	13.94
93) T	1,2,4-Trichlorobe	1.309	0.998	1.013	1.076	1.131	1.138	1.111	10.19
94) T	Hexachlorobutadie	0.685	0.494	0.481	0.506	0.524	0.512	0.534	14.17
95) T	Naphthalene	3.470	2.850	3.146	3.318	3.415	3.380	3.263	7.09
96) T	1,2,3-Trichlorobe	1.218	1.011	1.035	1.088	1.120	1.107	1.096	6.65

(#) = Out of Range



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- 2
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Calibration Table Last Updated: Tue Dec 17 03:01:07 2019



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Calibration Table Last Updated: Tue Dec 17 03:01:07 2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121319\
 Data File : VX014007.D
 Acq On : 13 Dec 2019 14:49
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC001

Manual Integrations
APPROVED
 apatel
 12/17/2019 2:48:42 PM

Quant Time: Dec 17 03:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	788651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1189953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1042212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	492183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	7529	0.893	ug/l	96
3) Chloromethane	1.32	50	10536	1.080	ug/l	96
4) Vinyl Chloride	1.40	62	12099	1.121	ug/l	95
6) Chloroethane	1.71	64	7212	1.146	ug/l #	85
7) Trichlorofluoromethane	1.92	101	14018	1.135	ug/l	94
8) Diethyl Ether	2.17	74	7038	1.261	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8222	1.094	ug/l	92
12) 1,1-Dichloroethene	2.36	96	8393	1.120	ug/l	95
14) Allyl chloride	2.72	41	14585	1.074	ug/l	96
15) Acrylonitrile	3.13	53	23664	5.123	ug/l #	93
16) Acetone	2.43	43	31271	6.588	ug/l	95
17) Carbon Disulfide	2.56	76	29821	1.393	ug/l	99
18) Methyl Acetate	2.76	43	12638	1.029	ug/l	93
19) Methyl tert-butyl Ether	3.18	73	26008	1.046	ug/l	97
20) Methylene Chloride	2.84	84	11586	1.331	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	9915	1.213	ug/l	85
22) Diisopropyl ether	3.84	45	28244	1.075	ug/l #	75
23) Vinyl Acetate	3.80	43	115573	5.296	ug/l	100
24) 1,1-Dichloroethane	3.68	63	17531	1.220	ug/l	98
25) 2-Butanone	4.66	43	34597	5.107	ug/l	90
26) 2,2-Dichloropropane	4.57	77	13026	1.100	ug/l	93
27) cis-1,2-Dichloroethene	4.58	96	11096	1.182	ug/l	98
28) Bromochloromethane	5.00	49	4509	0.889	ug/l #	84
29) Tetrahydrofuran	5.12	42	21384	5.237	ug/l	98
30) Chloroform	5.20	83	15604	1.073	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	13317	1.096	ug/l #	50
36) 1,1-Dichloropropene	5.79	75	12335	1.141	ug/l #	84
37) Ethyl Acetate	4.82	43	11886	0.986	ug/l #	86
38) Carbon Tetrachloride	5.77	117	10200	1.023	ug/l	89
39) Methylcyclohexane	7.45	83	14939	1.116	ug/l	97
40) Benzene	6.13	78	37774	1.145	ug/l	100
41) Methacrylonitrile	5.03	41	7044	1.070	ug/l #	80
42) 1,2-Dichloroethane	6.19	62	11688	1.040	ug/l	88
43) Isopropyl Acetate	6.44	43	20213	1.015	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014007.D
 Acq On : 13 Dec 2019 14:49
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC001

Manual Integrations
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Quant Time: Dec 17 03:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.20	130	11355	1.259	ug/l	88
45) 1,2-Dichloropropane	7.51	63	9301	1.125	ug/l	94
46) Dibromomethane	7.65	93	7070	1.263	ug/l	95
47) Bromodichloromethane	7.89	83	11412	1.079	ug/l	93
48) Methyl methacrylate	7.76	41	9926	1.028	ug/l	91
49) 1,4-Dioxane	7.73	88	4148	19.503	ug/l #	85
51) 4-Methyl-2-Pentanone	8.64	43	60739	4.856	ug/l	98
52) Toluene	8.78	92	24050	1.172	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	11090	0.922	ug/l	91
54) cis-1,3-Dichloropropene	8.43	75	12372	0.940	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	9482	1.148	ug/l	94
56) Ethyl methacrylate	9.17	69	12354	0.929	ug/l #	83
57) 1,3-Dichloropropane	9.36	76	15349	1.077	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	21365	4.098	ug/l	99
59) 2-Hexanone	9.49	43	45812	4.655	ug/l	96
60) Dibromochloromethane	9.57	129	7865	0.921	ug/l	95
61) 1,2-Dibromoethane	9.67	107	9234	1.048	ug/l	91
64) Tetrachloroethene	9.33	164	10196	1.268	ug/l	94
65) Chlorobenzene	10.13	112	25303	1.163	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	8426	1.081	ug/l #	63
67) Ethyl Benzene	10.25	91	41396	1.108	ug/l	96
68) m/p-Xylenes	10.36	106	31836	2.223	ug/l	97
69) o-Xylene	10.70	106	15471	1.108	ug/l	97
70) Styrene	10.71	104	25473	1.081	ug/l	98
71) Bromoform	10.85	173	5988	0.932	ug/l #	99
73) Isopropylbenzene	11.01	105	38061	1.101	ug/l	96
74) N-amyl acetate	10.90	43	16431	1.038	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	12856	1.074	ug/l	93
76) 1,2,3-Trichloropropane	11.29	75	10589m	0.961	ug/l	
77) Bromobenzene	11.25	156	11866	1.273	ug/l	90
78) n-propylbenzene	11.35	91	42164	1.091	ug/l	96
79) 2-Chlorotoluene	11.42	91	26847	1.154	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	31510	1.109	ug/l	99
82) 4-Chlorotoluene	11.51	91	31365	1.168	ug/l	98
83) tert-Butylbenzene	11.76	119	32037	1.119	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	30986	1.075	ug/l	99
85) sec-Butylbenzene	11.94	105	36468	1.107	ug/l	99
86) p-Isopropyltoluene	12.06	119	31503	1.029	ug/l	90
87) 1,3-Dichlorobenzene	12.02	146	20106	1.235	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	21665m	1.305	ug/l	
89) n-Butylbenzene	12.39	91	27243	1.042	ug/l	96
90) Hexachloroethane	12.59	117	5598	1.009	ug/l	90
91) 1,2-Dichlorobenzene	12.39	146	20057	1.244	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3404	1.319	ug/l	78
93) 1,2,4-Trichlorobenzene	13.64	180	12885	1.157	ug/l	98
94) Hexachlorobutadiene	13.78	225	6745	1.251	ug/l	94
95) Naphthalene	13.83	128	34162	1.032	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	11992	1.082	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014007.D
 Acq On : 13 Dec 2019 14:49
 Operator : JC/SP
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
ClientSampleId :
 VSTDICC001

Manual Integrations
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Quant Time: Dec 17 03:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

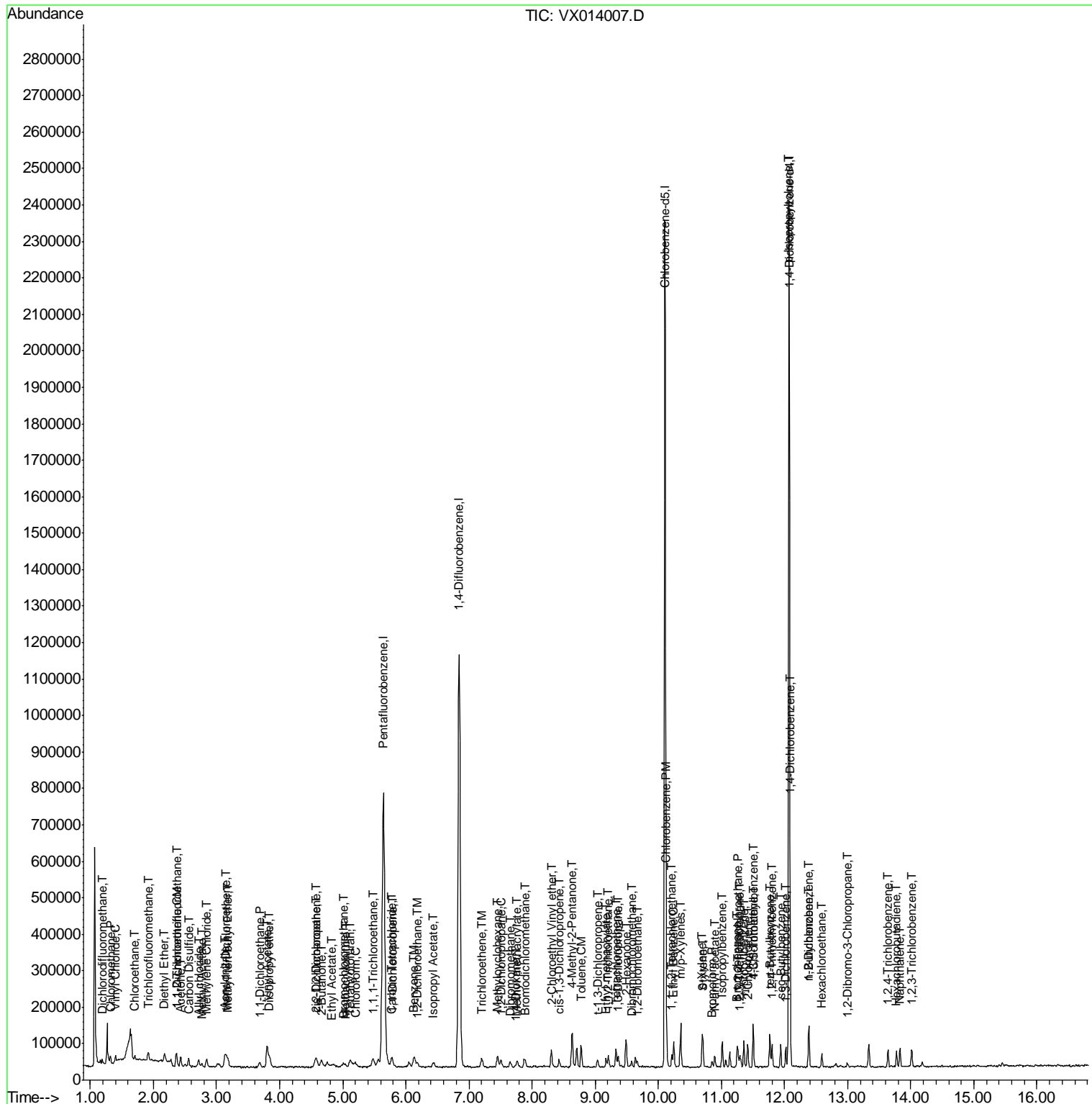
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014007.D
 Acq On : 13 Dec 2019 14:49
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

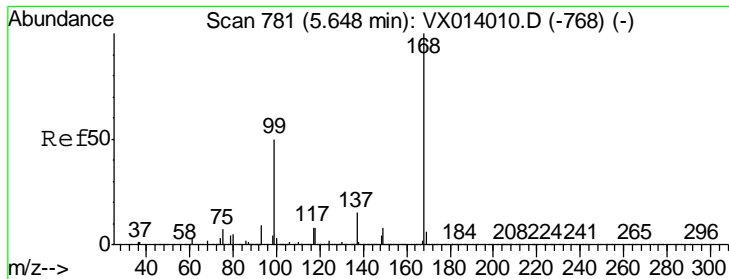
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC001

Manual Integrations
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Quant Time: Dec 17 03:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration



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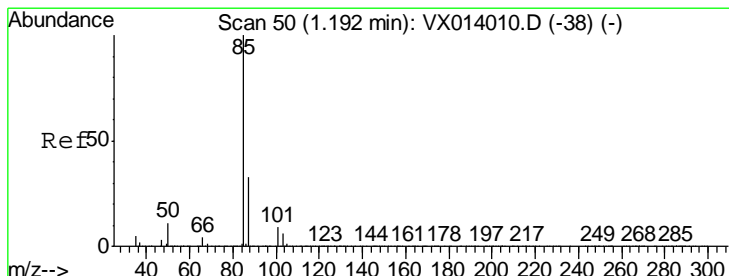
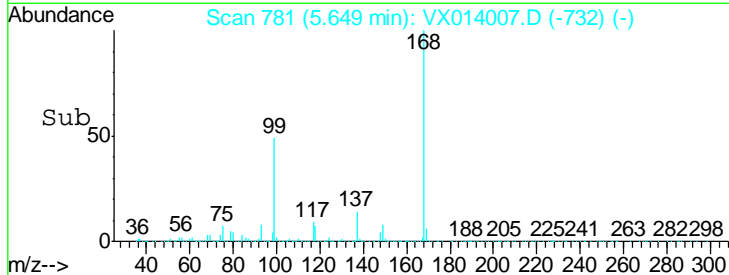
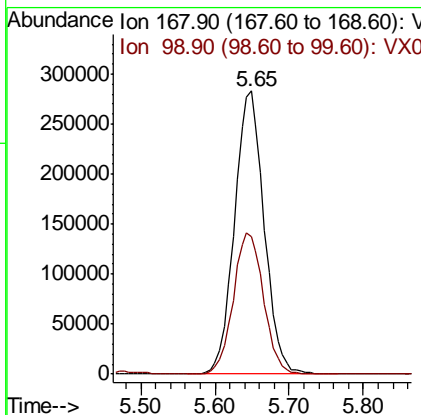
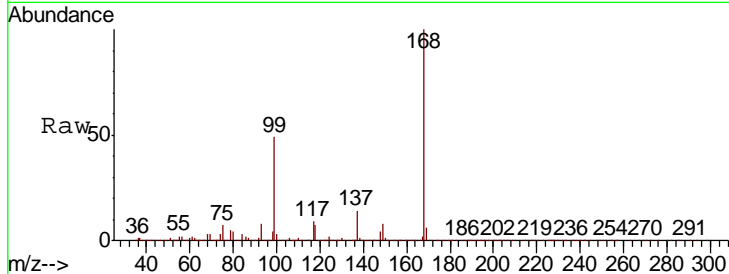


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
168	788651		
99	48.6	40.3	60.5

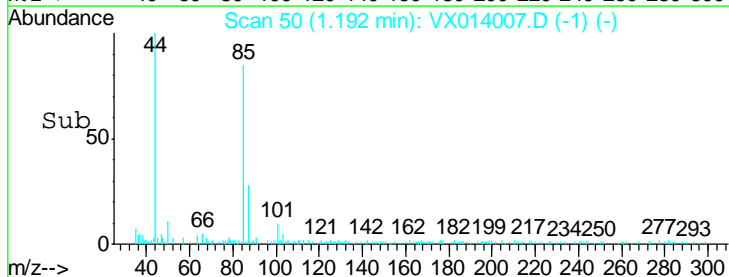
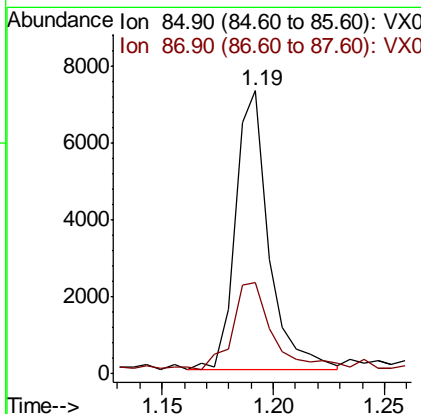
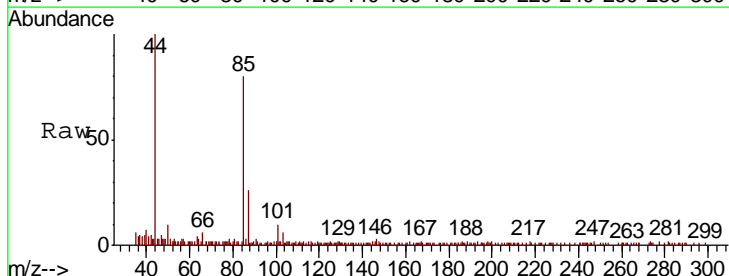
Instrument : MSVOA_X
 Client Sampled : VSTDIC001

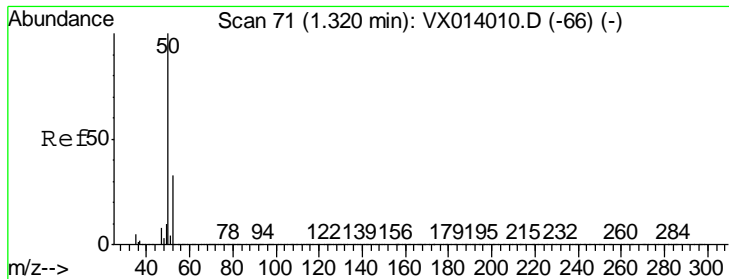
Manual Integrations APPROVED
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#2
 Dichlorodifluoromethane
 Concen: 0.893 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
85	7529		
87	30.5	16.4	49.2





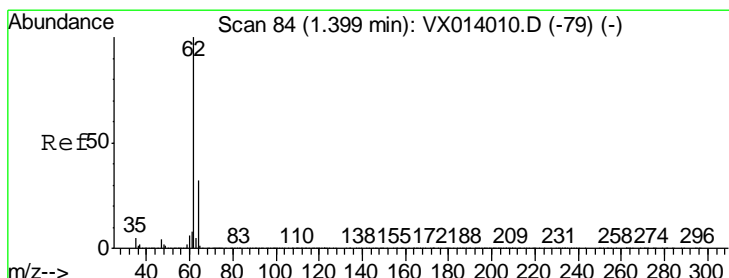
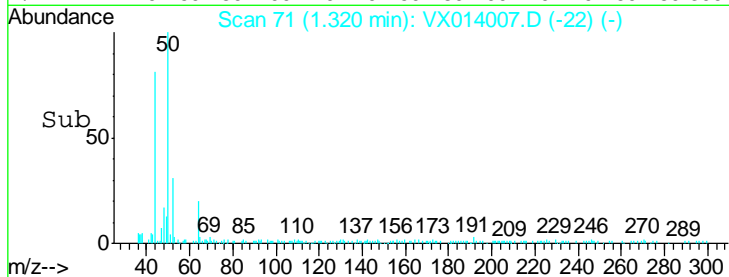
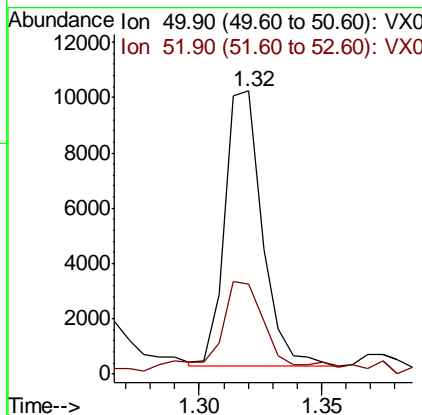
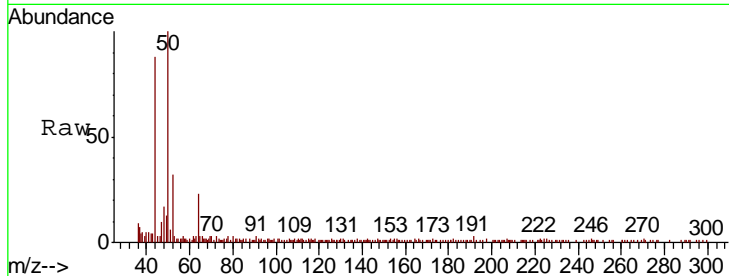
#3
 Chloromethane
 Concen: 1.080 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
50	10536		
52	30.4	26.2	39.4

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

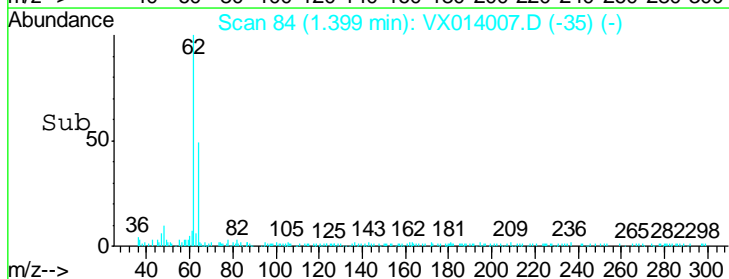
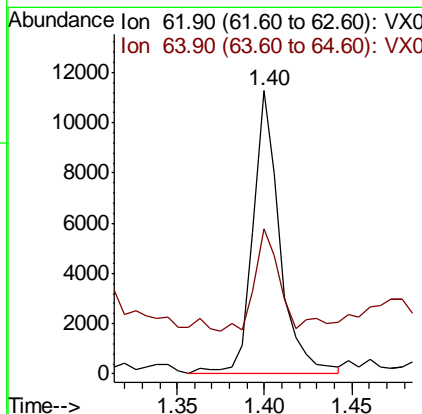
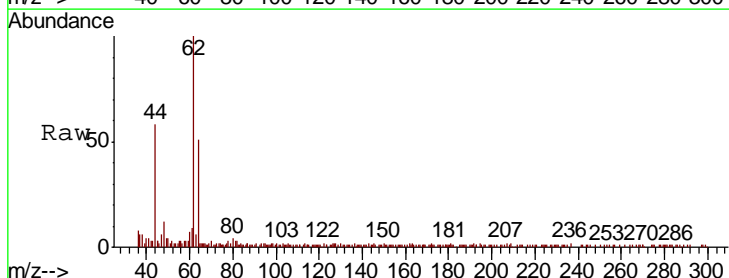
Manual Integrations
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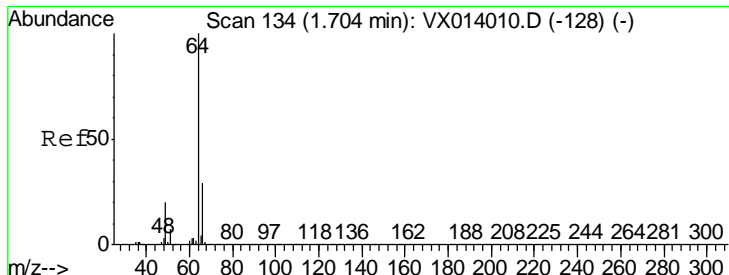
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#4
 Vinyl Chloride
 Concen: 1.121 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
62	12099		
64	34.9	25.7	38.5





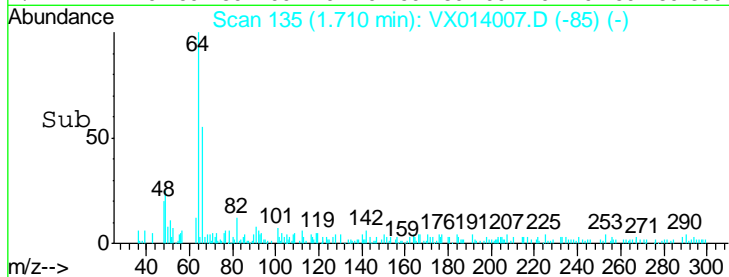
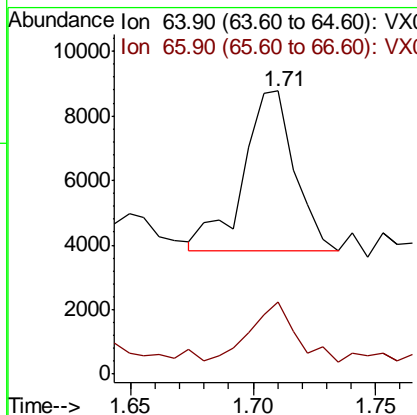
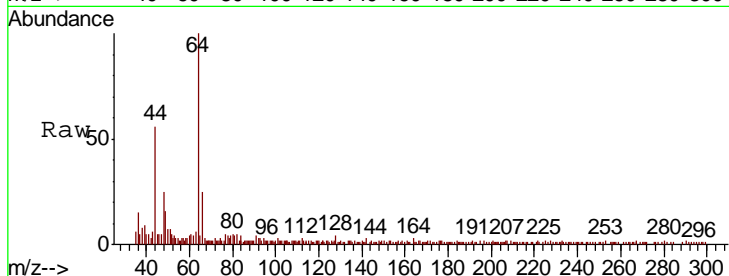
#6
 Chloroethane
 Concen: 1.146 ug/l
 RT: 1.71 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
64	7212		
64	100		
66	37.5	23.4	35.2#

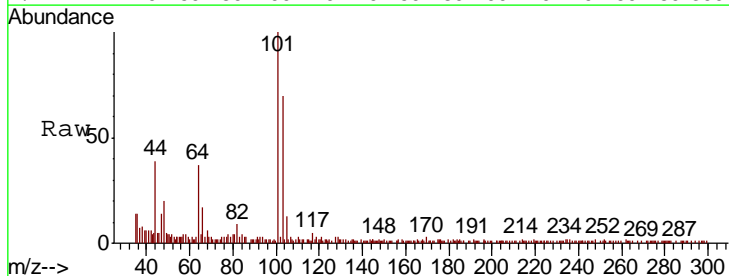
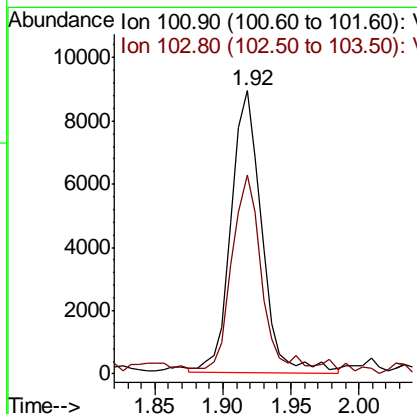
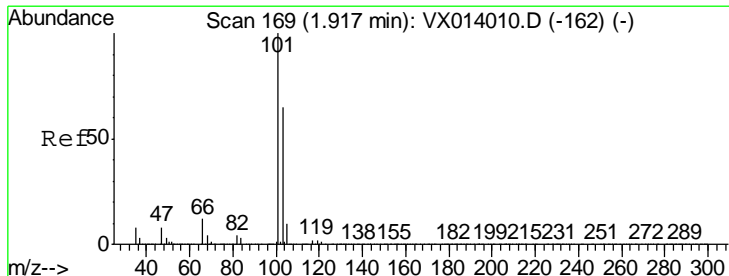
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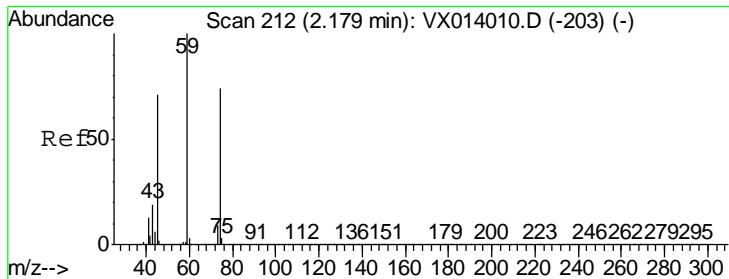
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#7
 Trichlorofluoromethane
 Concen: 1.135 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
101	14018		
101	100		
103	69.8	52.2	78.4





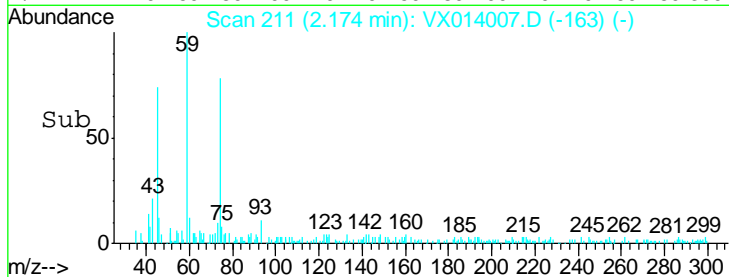
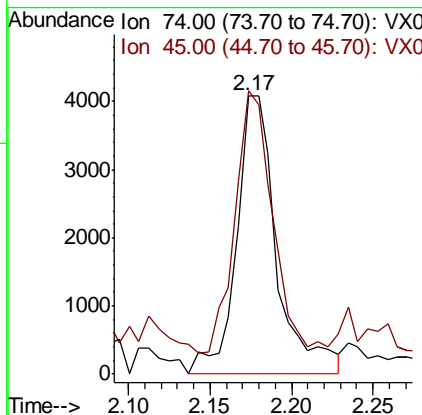
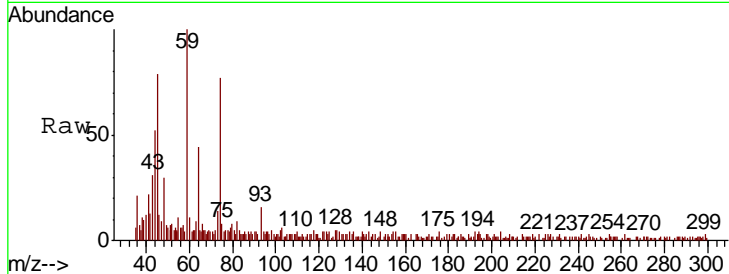
#8
 Diethyl Ether
 Concen: 1.261 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.1	48.1	144.3

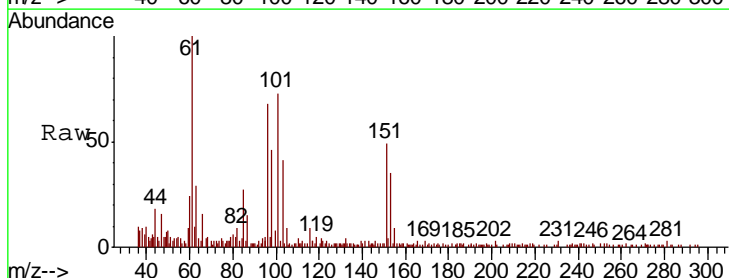
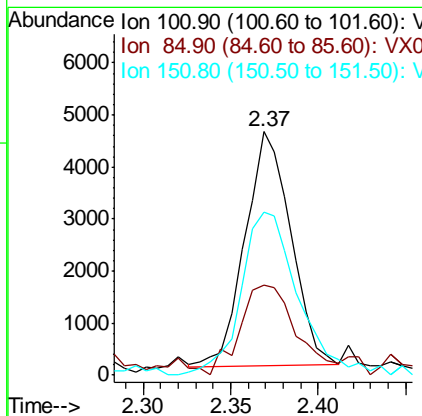
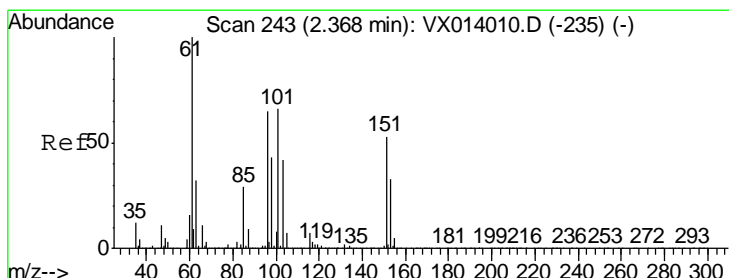
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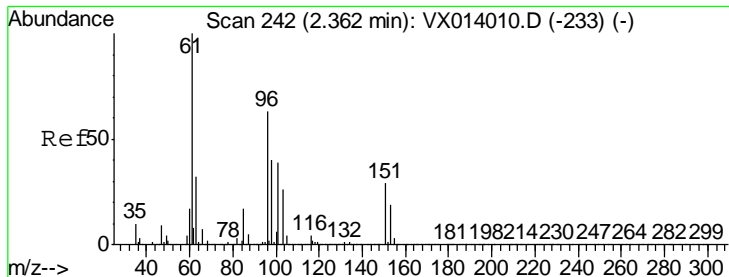
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#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.094 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.4	33.7	50.5
151	87.0	64.5	96.7





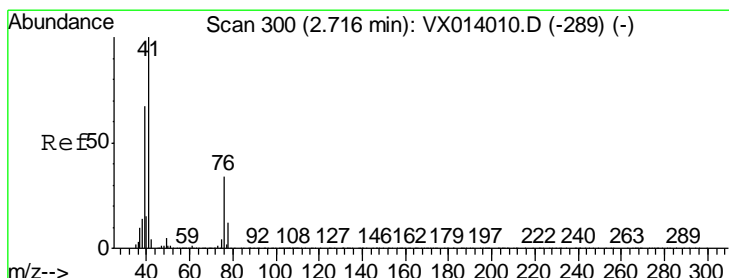
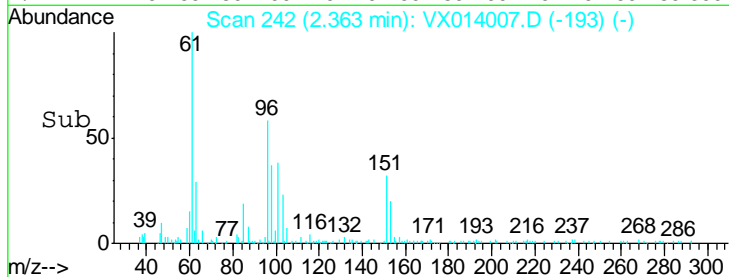
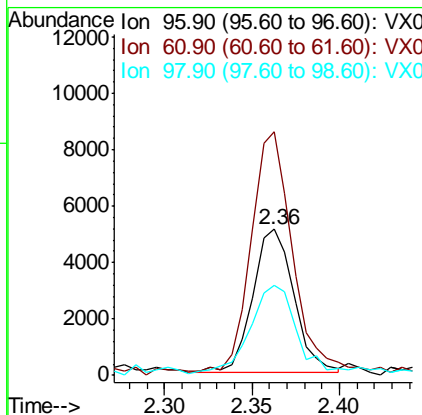
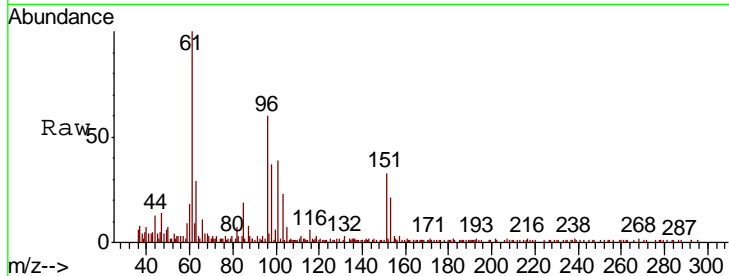
#12
 1,1-Dichloroethene
 Concen: 1.120 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
96	8393		
96	100		
61	167.1	127.9	191.9
98	61.4	50.5	75.7

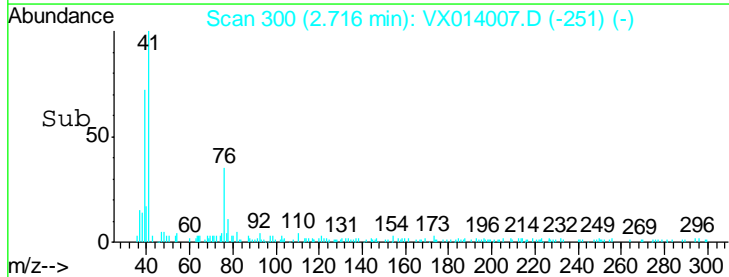
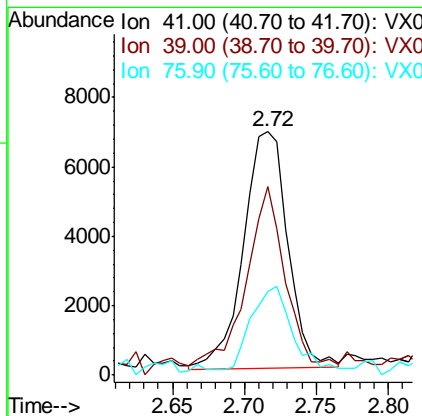
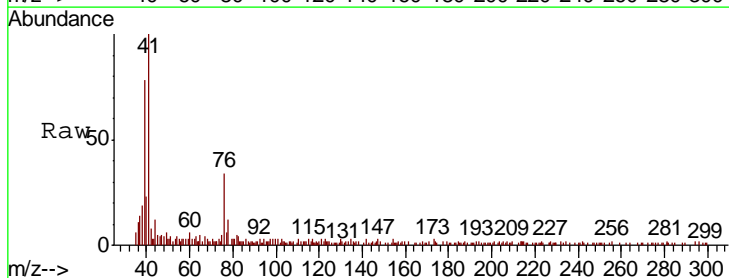
Manual Integrations
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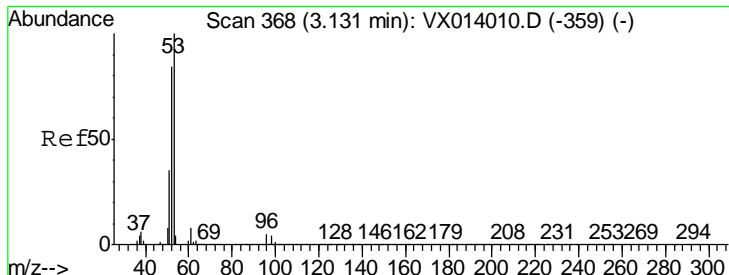
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#14
 Allyl chloride
 Concen: 1.074 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
41	14585		
41	100		
39	63.4	51.8	77.8
76	37.0	25.9	38.9





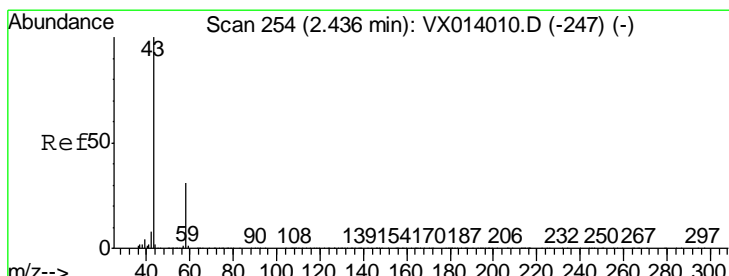
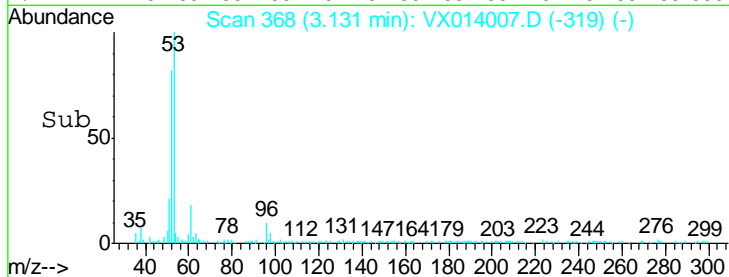
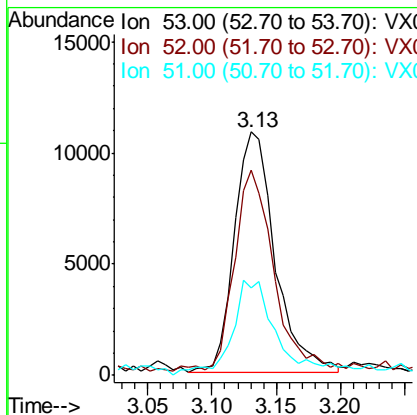
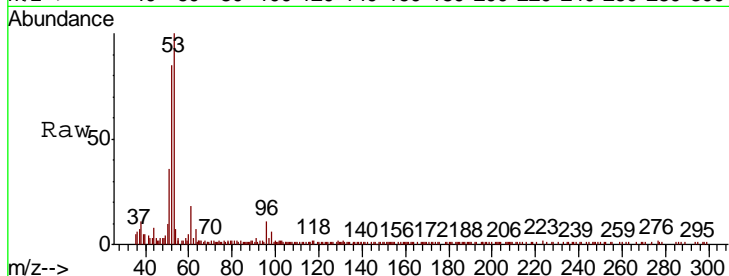
#15
 Acrylonitrile
 Concen: 5.123 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
53	100		
52	80.4	66.5	99.7
51	44.7	28.1	42.1

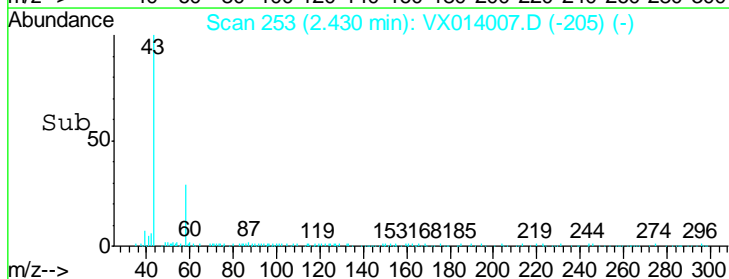
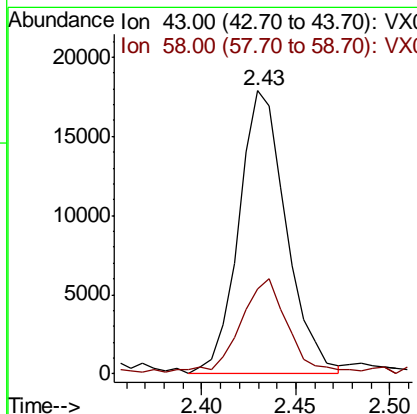
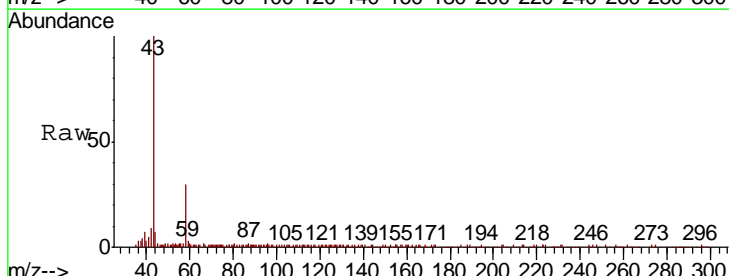
Manual Integrations
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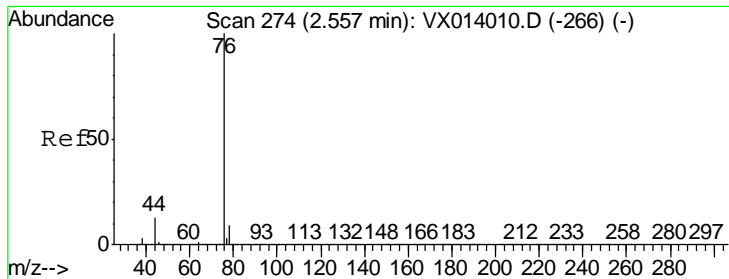
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#16
 Acetone
 Concen: 6.588 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.4	24.9	37.3





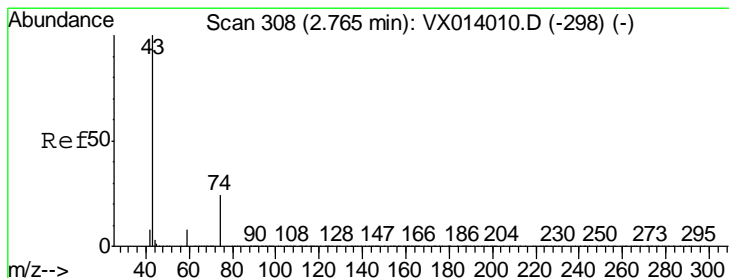
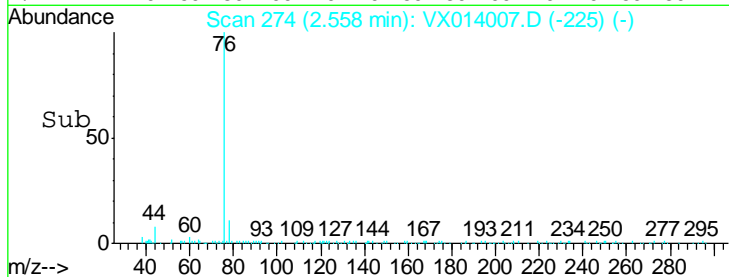
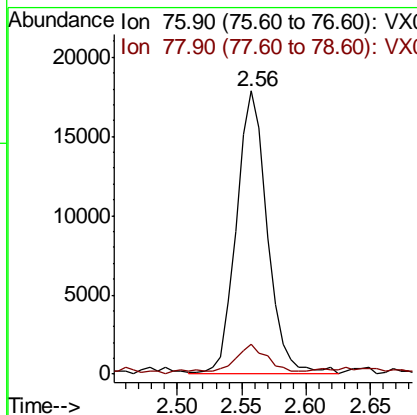
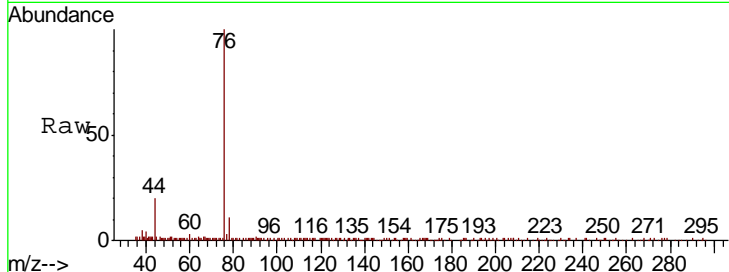
#17
 Carbon Disulfide
 Concen: 1.393 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

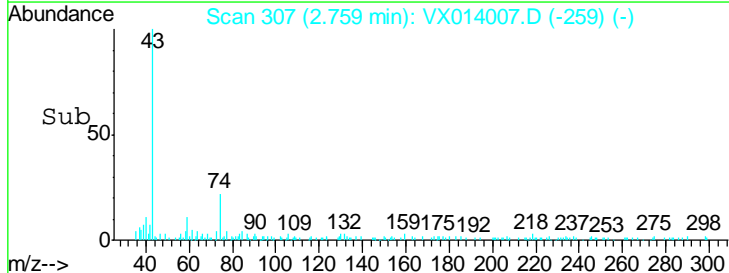
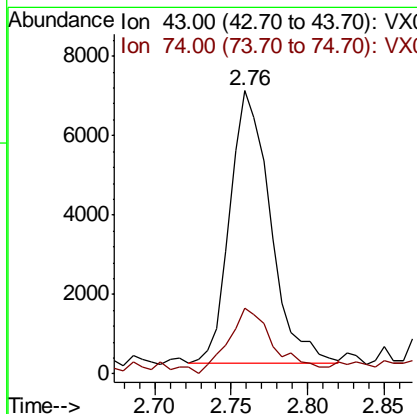
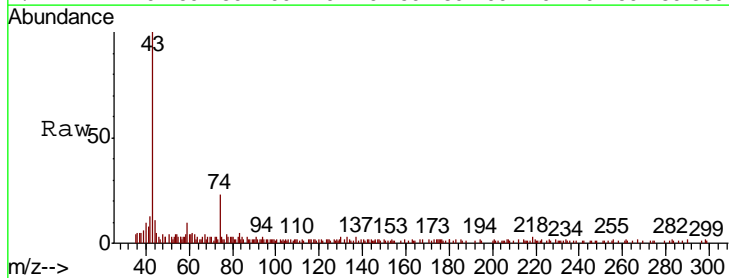
Manual Integrations
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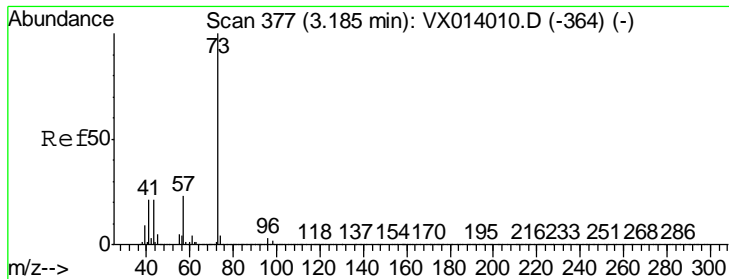
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#18
 Methyl Acetate
 Concen: 1.029 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	19.5	29.3





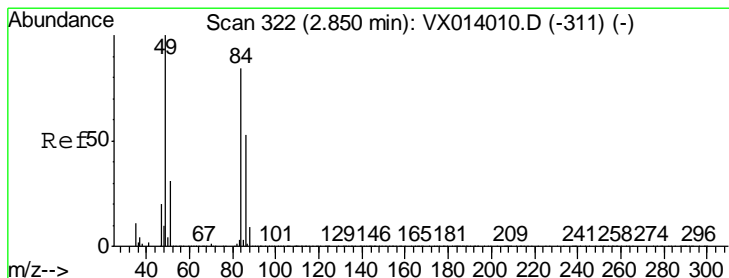
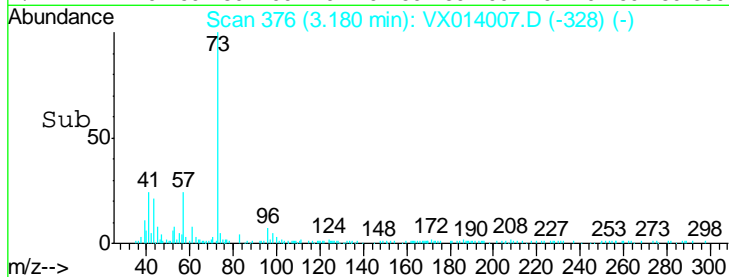
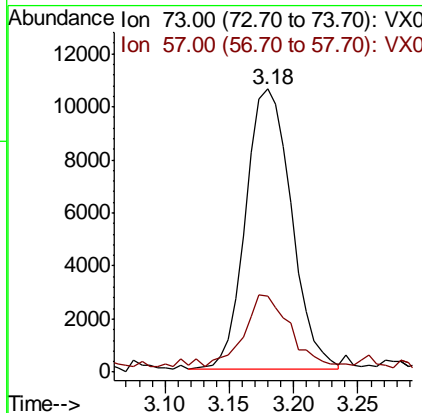
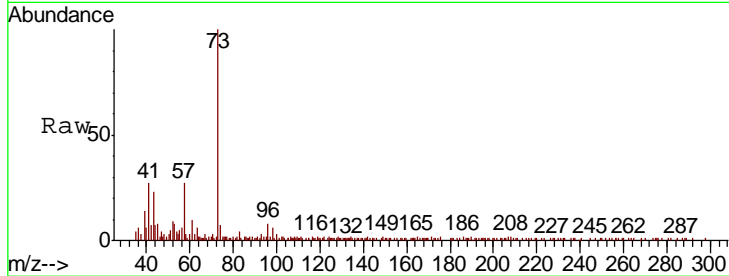
#19
Methyl tert-butyl Ether
Concen: 1.046 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014007.D
Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
73	26008		
73	100		
57	25.2	18.8	28.2

Instrument : MSVOA_X
Client Sampled : VX014007.D
VSTDIC001

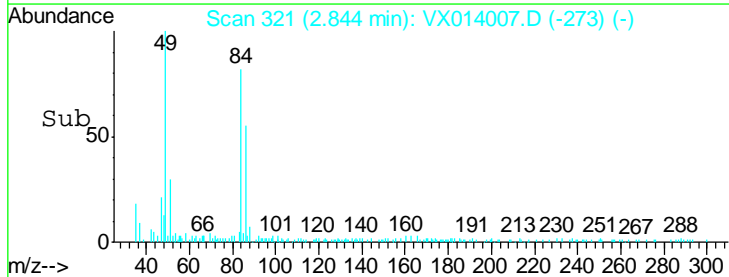
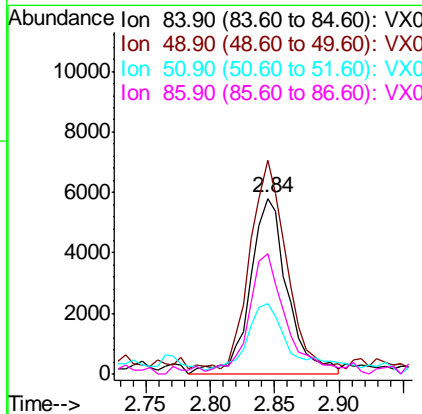
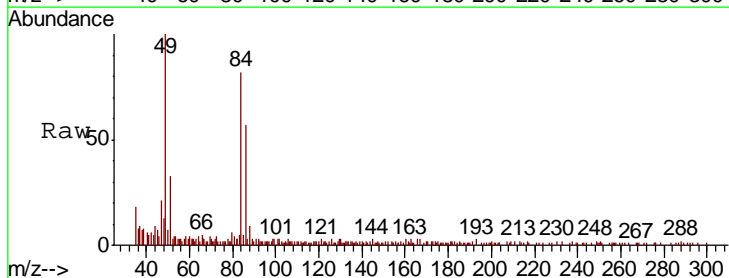
Manual Integrations
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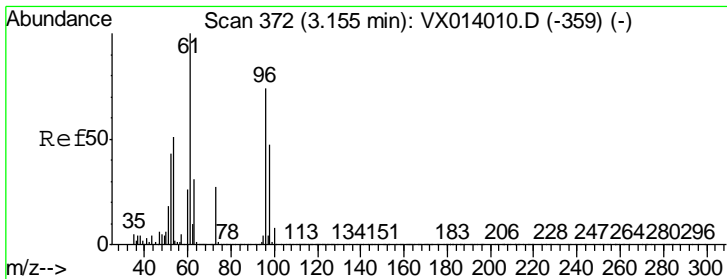
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#20
Methylene Chloride
Concen: 1.331 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014007.D
Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
84	11586		
84	100		
49	121.6	95.8	143.6
51	36.8	29.8	44.8
86	68.2	50.8	76.2





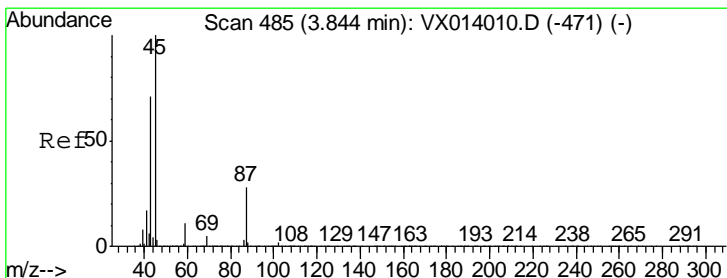
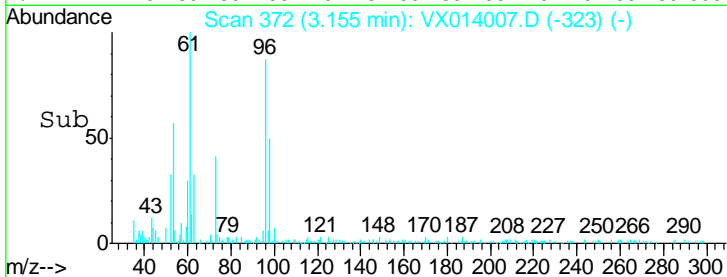
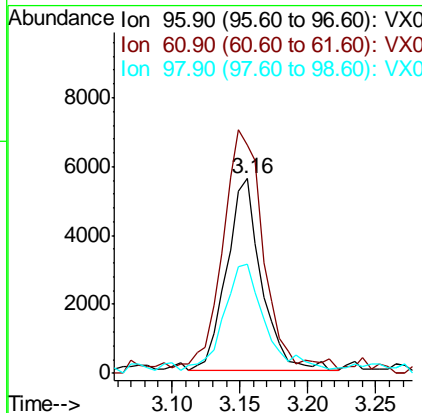
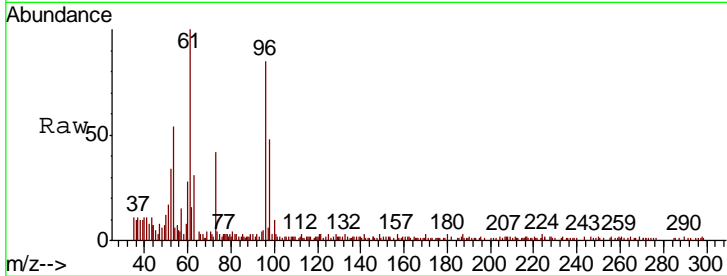
#21
 trans-1,2-Dichloroethene
 Concen: 1.213 ug/l
 RT: 3.16 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 ClientSampled : VX014007.D
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
96	9915		
96	100		
61	116.6	108.3	162.5
98	54.2	50.8	76.2

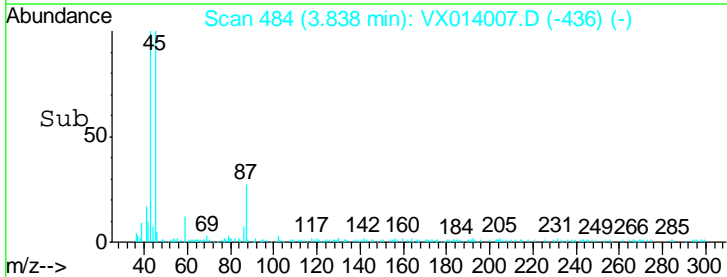
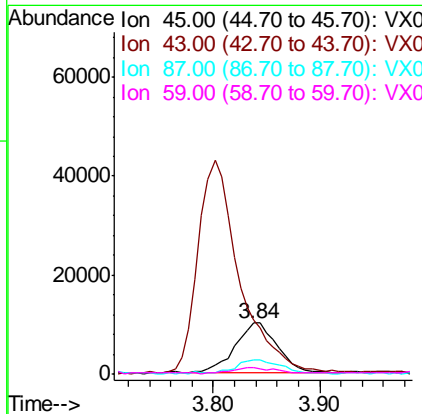
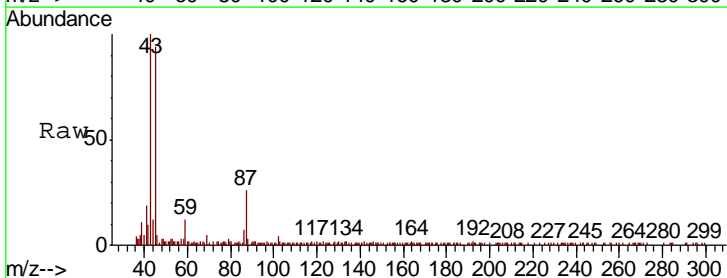
Manual Integrations
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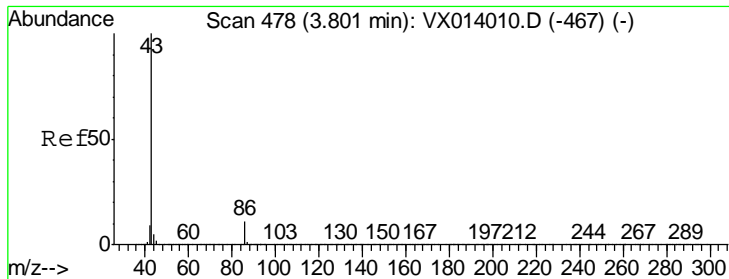
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#22
 Diisopropyl ether
 Concen: 1.075 ug/l
 RT: 3.84 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
45	28244		
45	100		
43	103.7	57.4	86.0#
87	27.6	21.9	32.9
59	10.9	9.0	13.6





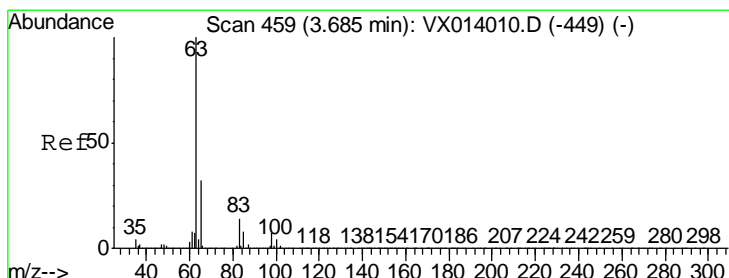
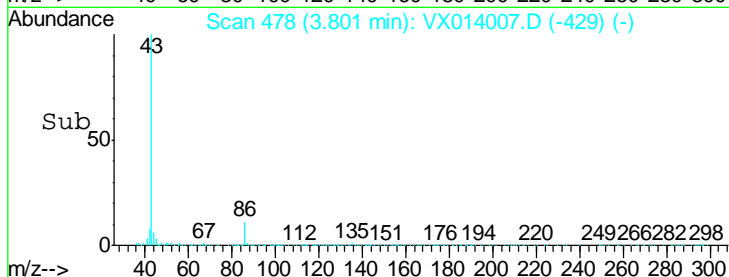
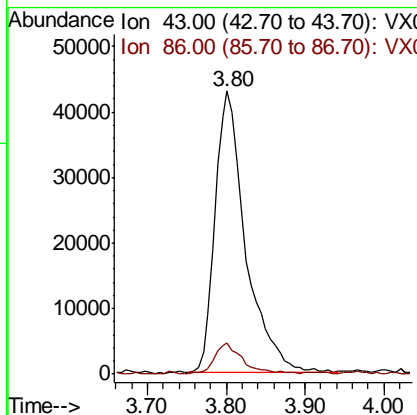
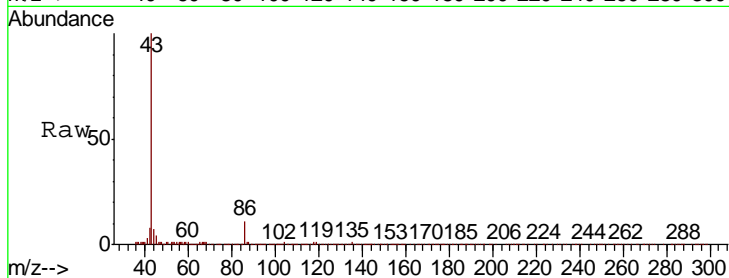
#23
 Vinyl Acetate
 Concen: 5.296 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

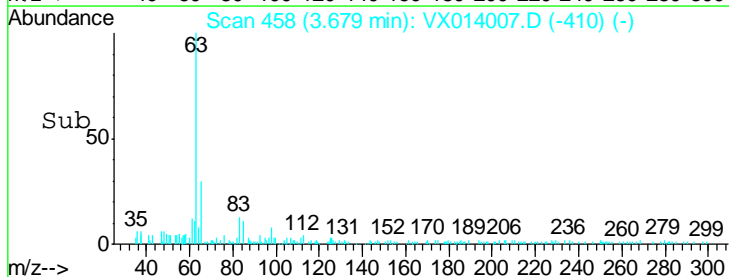
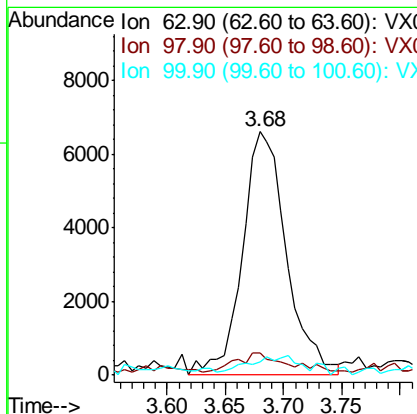
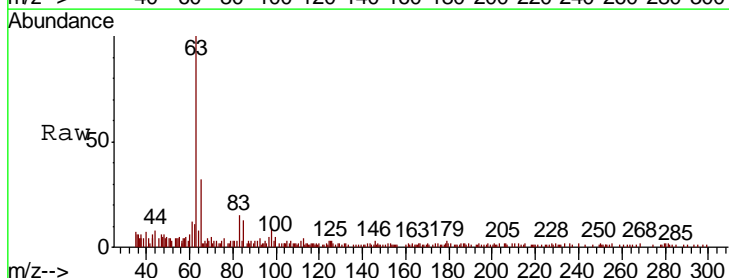
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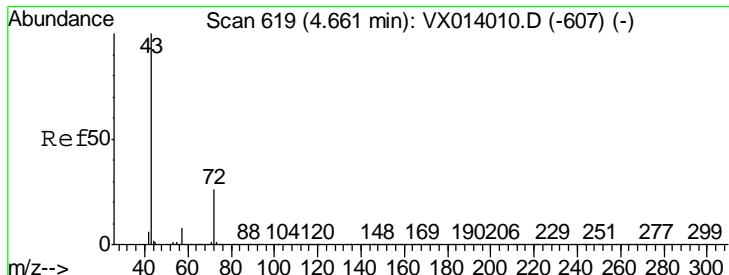
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#24
 1,1-Dichloroethane
 Concen: 1.220 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	3.4	2.3	6.8





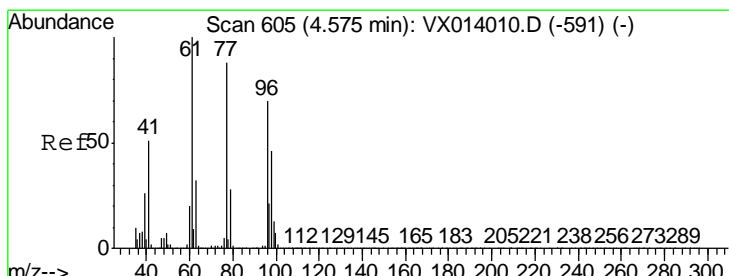
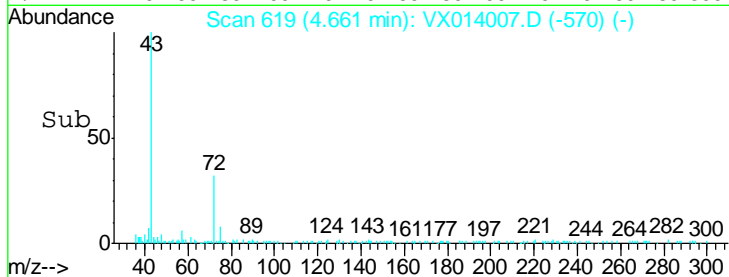
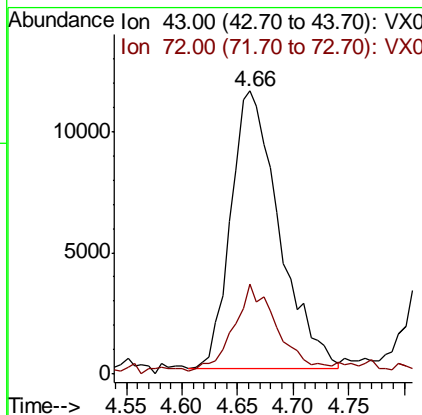
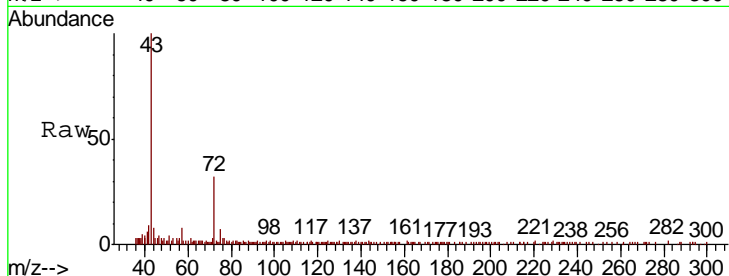
#25
 2-Butanone
 Concen: 5.107 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.1	21.0	31.4

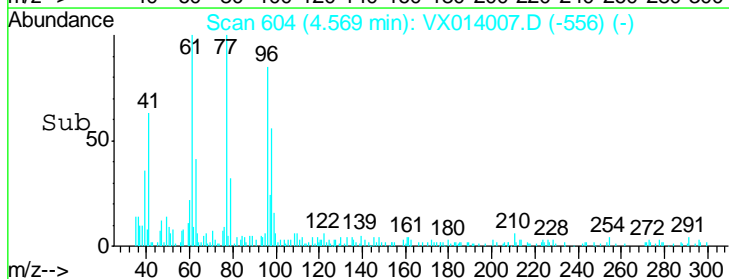
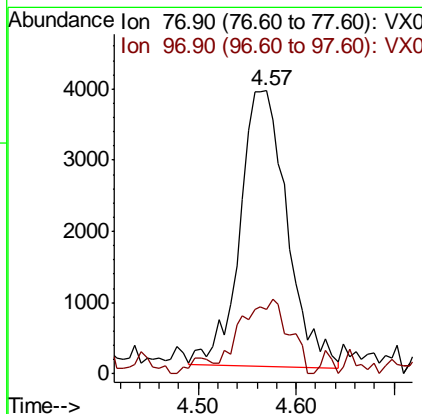
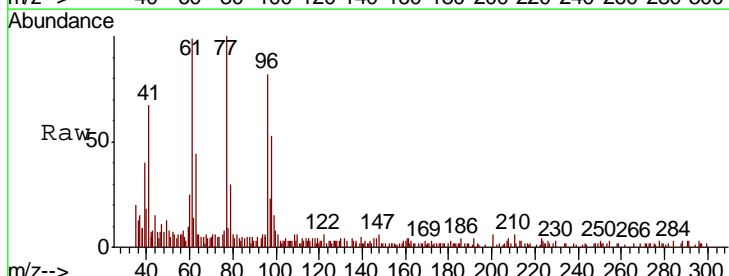
Manual Integrations
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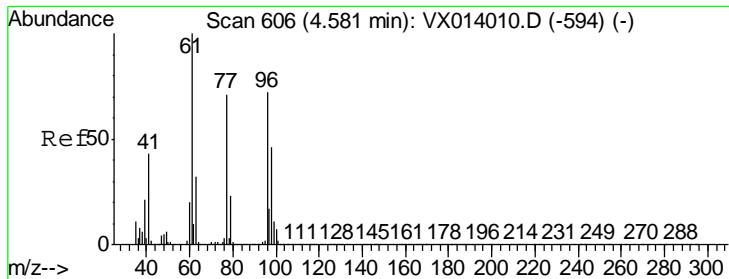
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#26
 2,2-Dichloropropane
 Concen: 1.100 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Ratio	Lower	Upper
77	100		
97	27.4	11.9	35.9





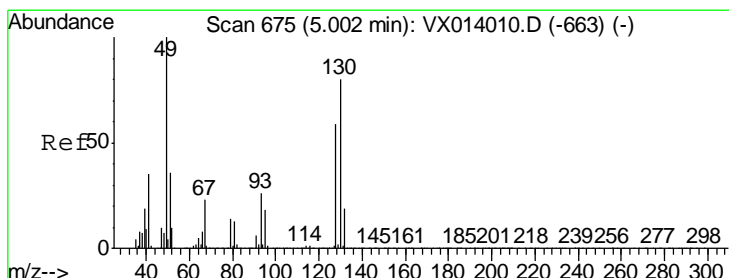
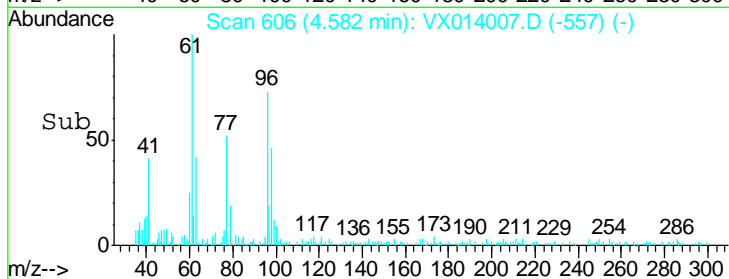
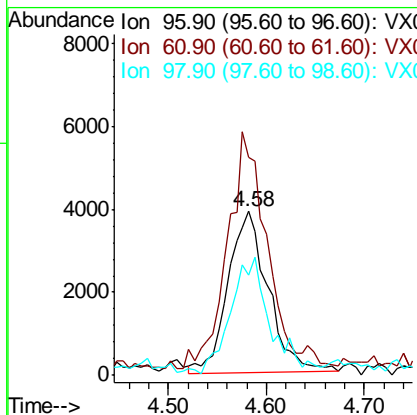
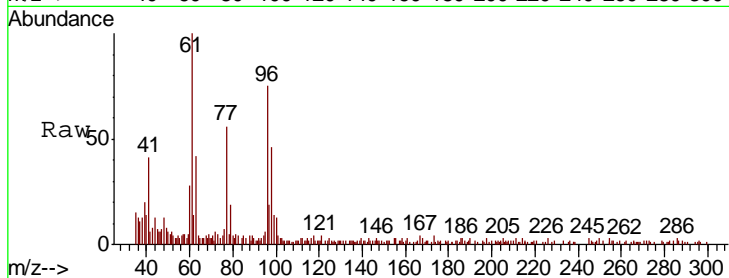
#27
 cis-1,2-Dichloroethene
 Concen: 1.182 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
96	11096		
96	100		
61	143.5	0.0	288.4
98	70.0	0.0	129.6

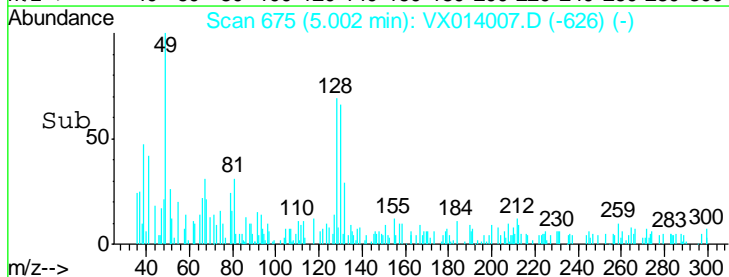
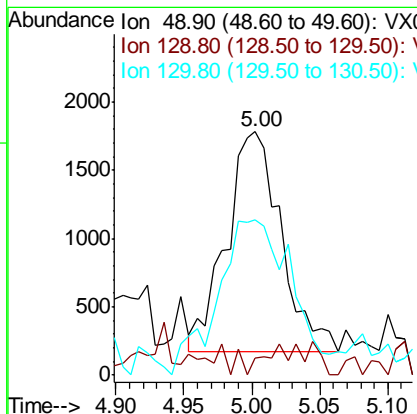
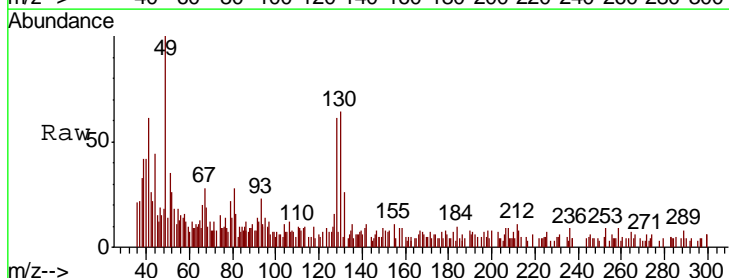
Manual Integrations
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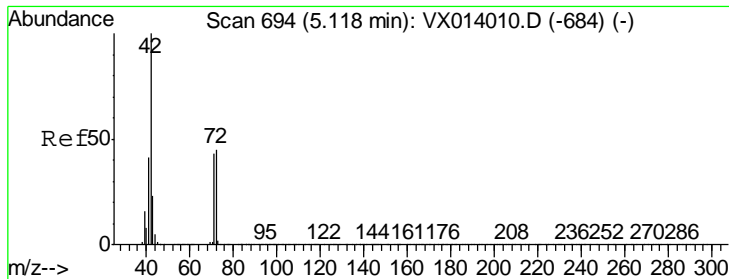
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#28
 Bromochloromethane
 Concen: 0.889 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
49	4509		
49	100		
129	5.8	0.0	5.0#
130	95.3	64.6	97.0





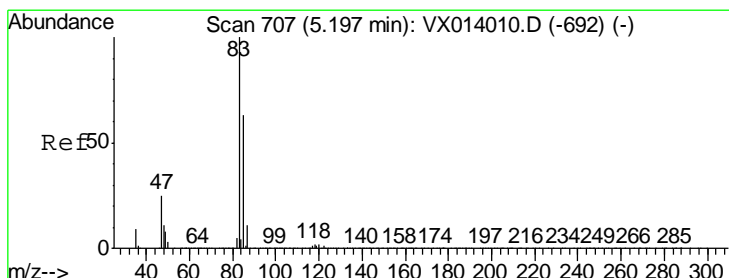
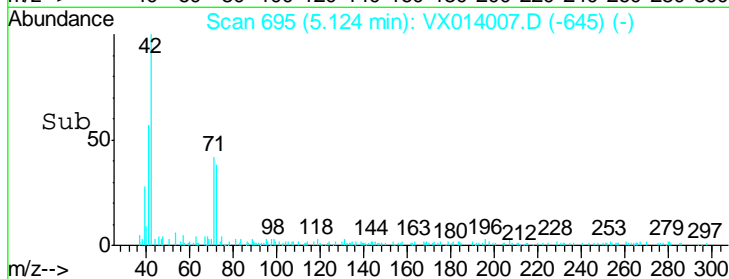
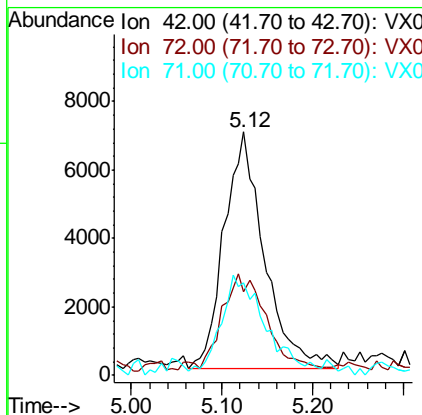
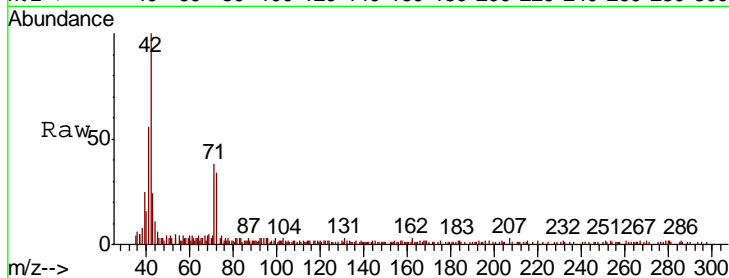
#29
 Tetrahydrofuran
 Concen: 5.237 ug/l
 RT: 5.12 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
42	21384		
72	43.9	35.8	53.8
71	44.2	33.6	50.4

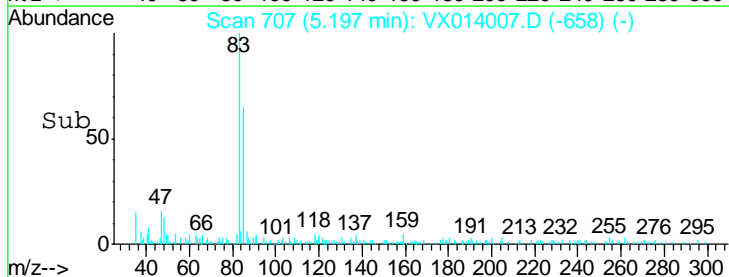
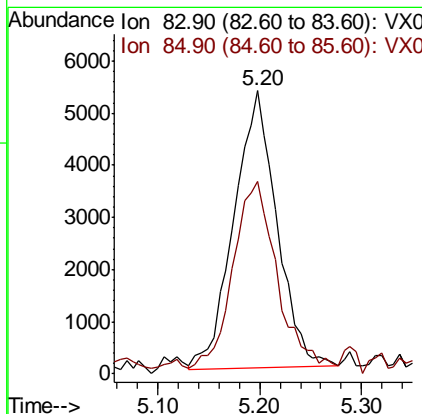
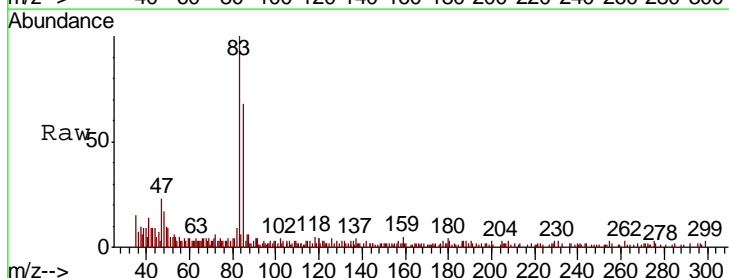
Manual Integrations
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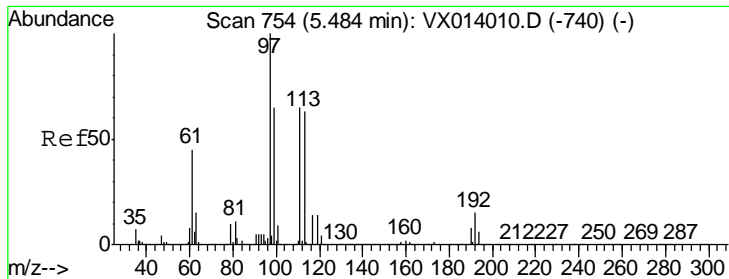
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#30
 Chloroform
 Concen: 1.073 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
83	15604		
85	67.9	50.8	76.2





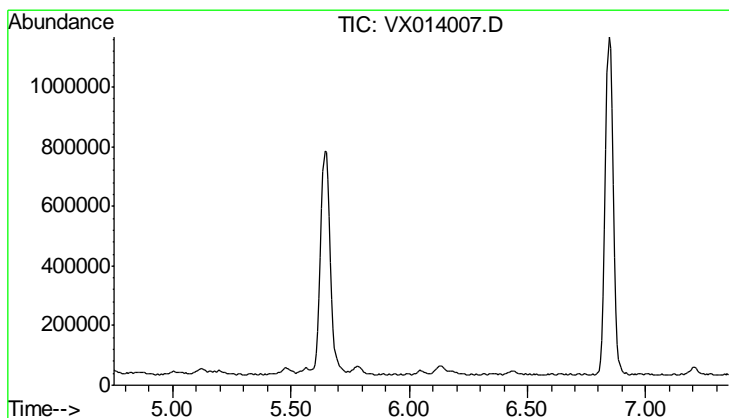
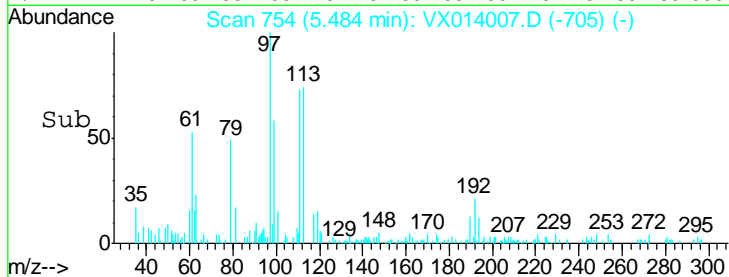
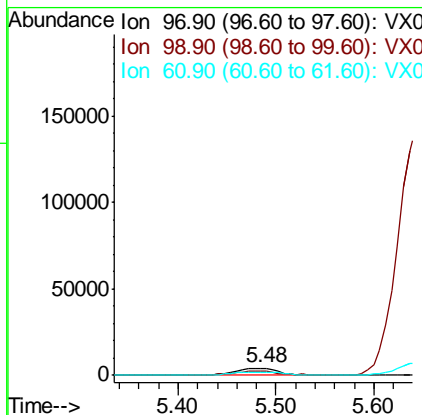
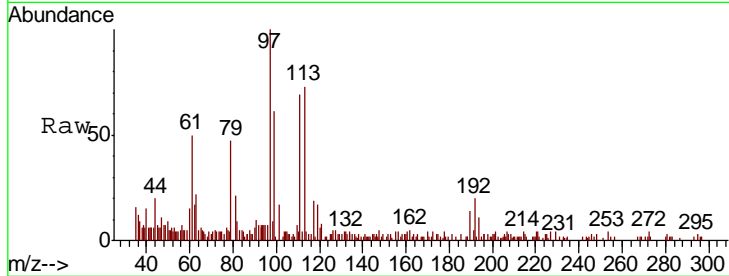
#32
 1,1,1-Trichloroethane
 Concen: 1.096 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
97	13317		
99	0.0	52.0	78.0#
61	43.6	36.7	55.1

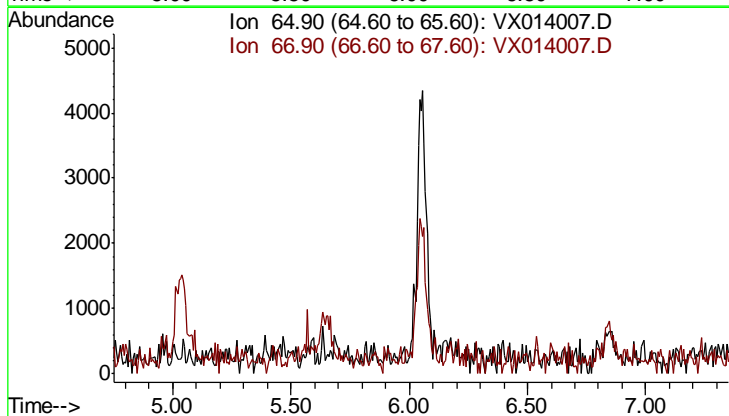
Manual Integrations
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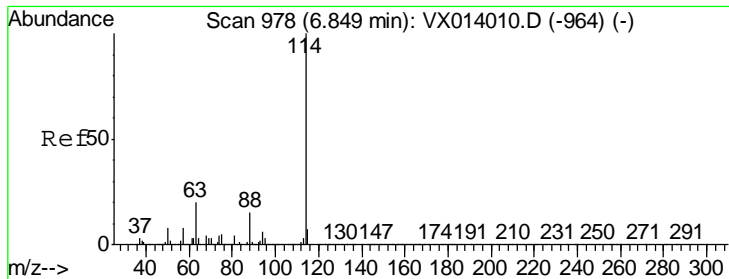
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#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 6.05 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Exp Ratio
65	100
67	53.2





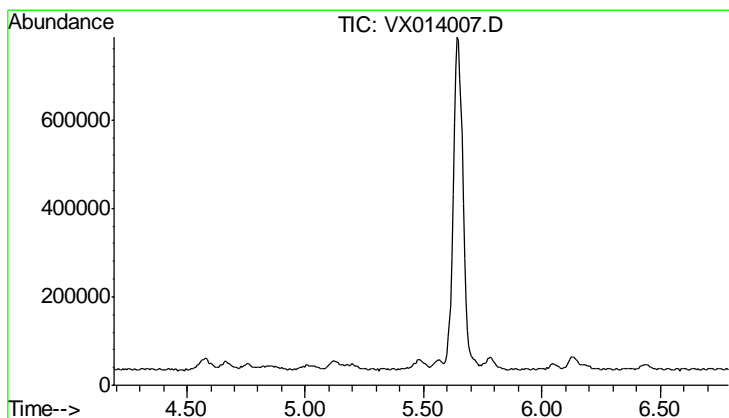
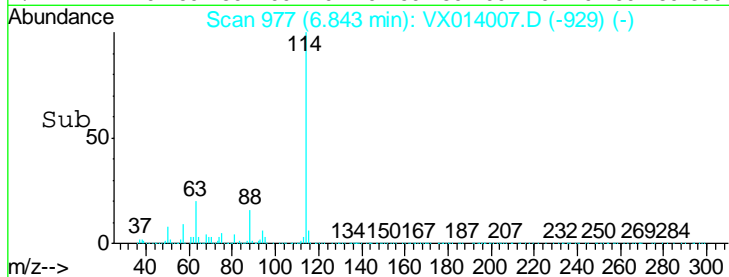
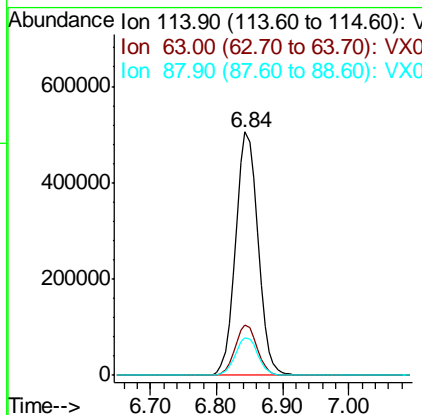
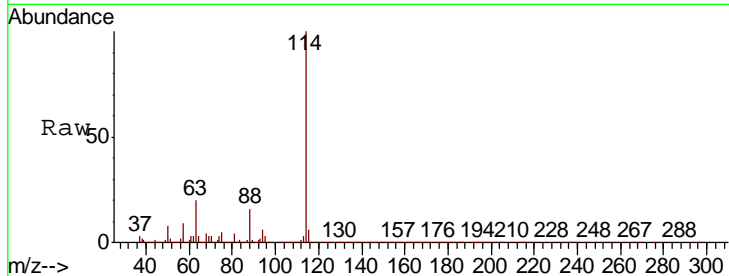
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
114	1189953		
63	20.4	0.0	40.8
88	15.5	0.0	30.4

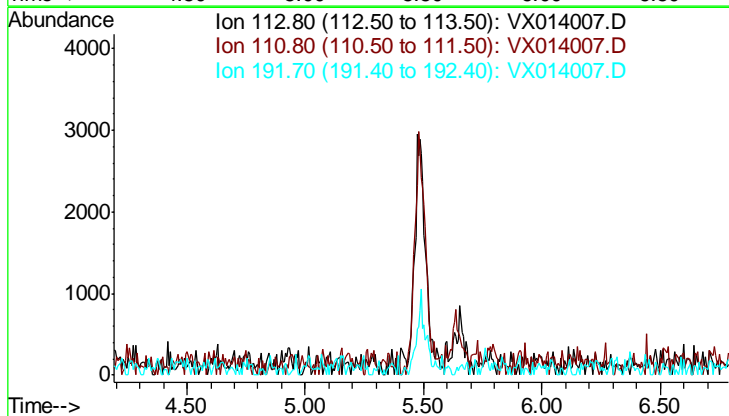
Manual Integrations
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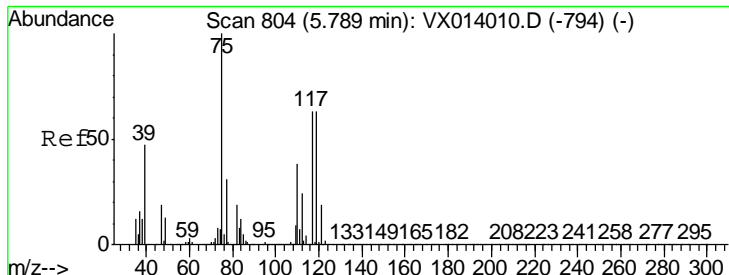
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#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.49 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Exp Ratio
113	100
111	102.5
192	24.1





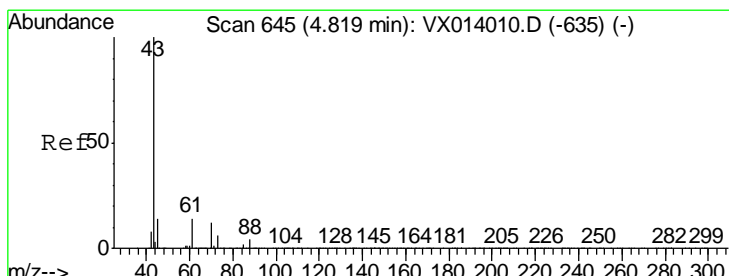
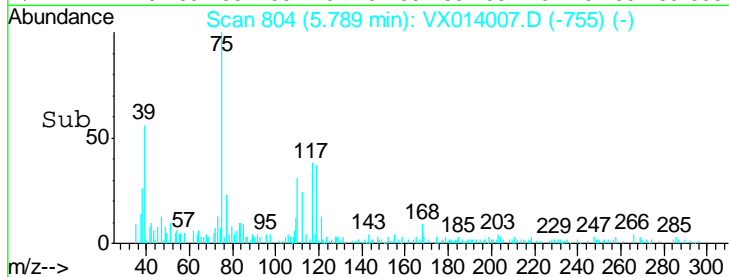
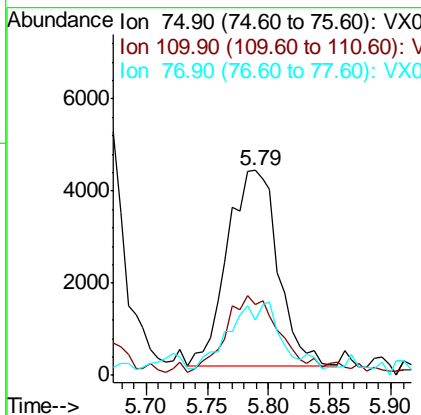
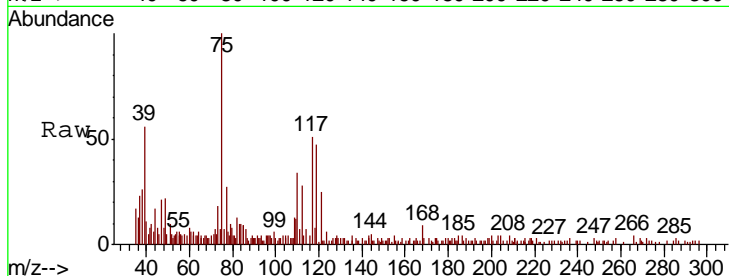
#36
 1,1-Dichloropropene
 Concen: 1.141 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	12335		
75	100		
110	42.4	18.3	54.9
77	18.4	24.8	37.2#

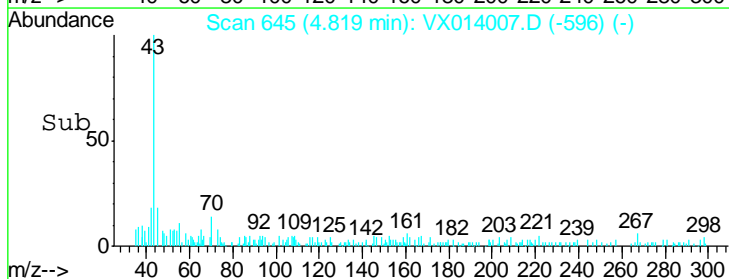
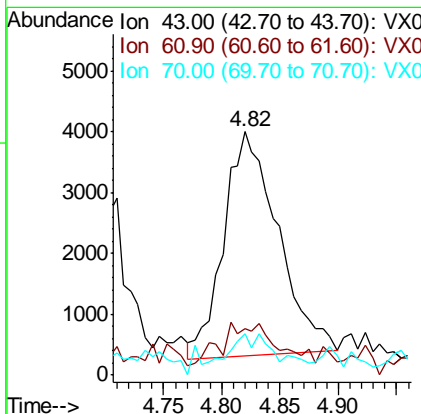
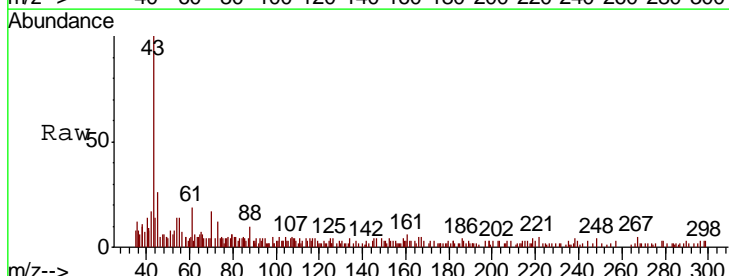
Manual Integrations
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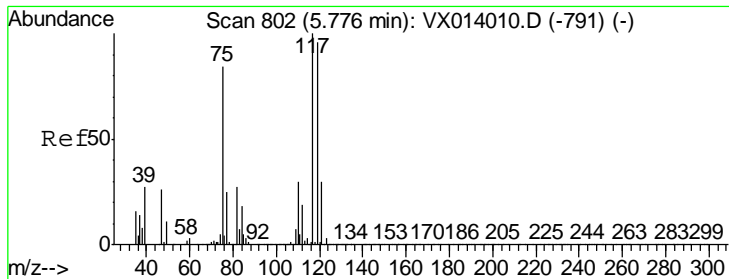
apatel
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#37
 Ethyl Acetate
 Concen: 0.986 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
43	11886		
43	100		
61	18.3	10.8	16.2#
70	4.2	8.6	12.8#





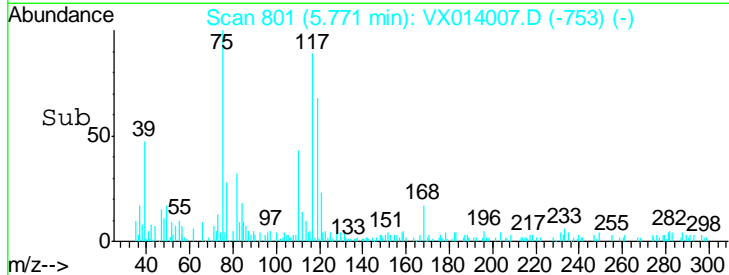
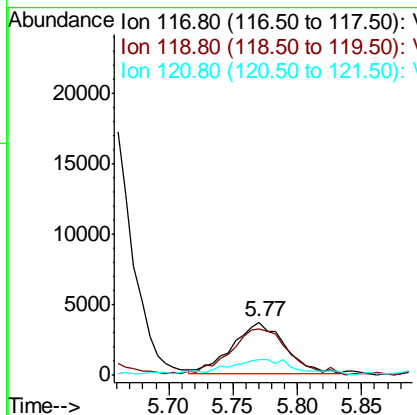
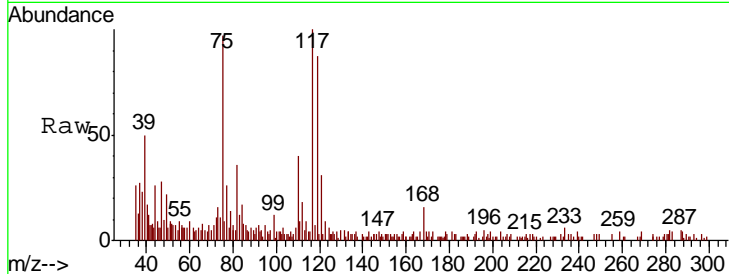
#38
 Carbon Tetrachloride
 Concen: 1.023 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	10200		
117	100		
119	84.3	76.2	114.4
121	24.7	23.6	35.4

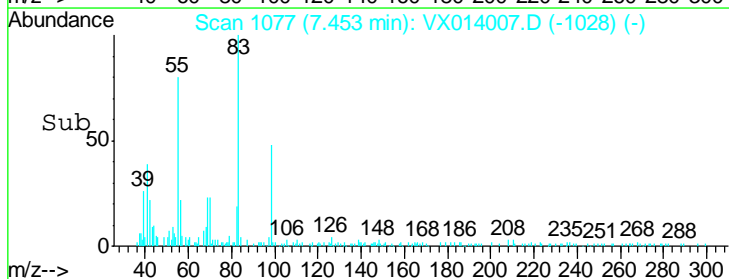
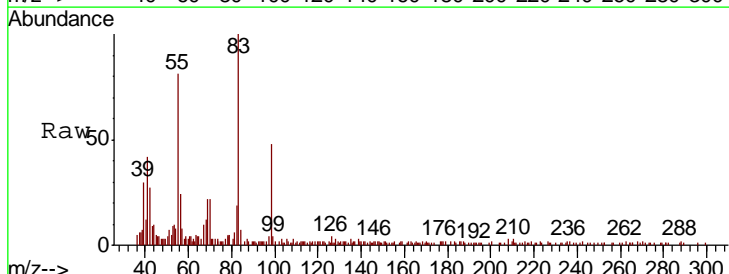
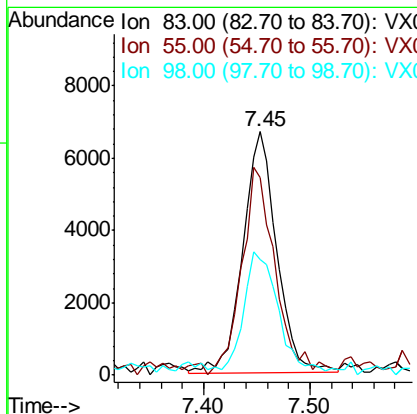
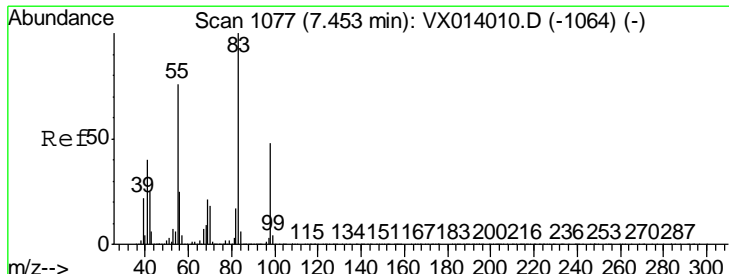
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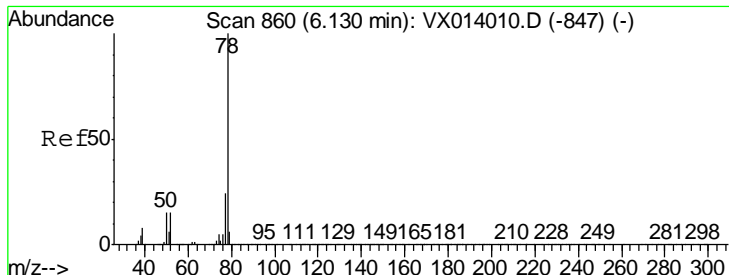
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#39
 Methylcyclohexane
 Concen: 1.116 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
83	14939		
83	100		
55	78.8	61.0	91.6
98	46.2	38.6	57.8





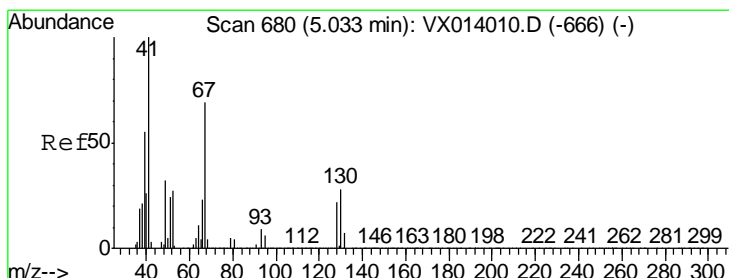
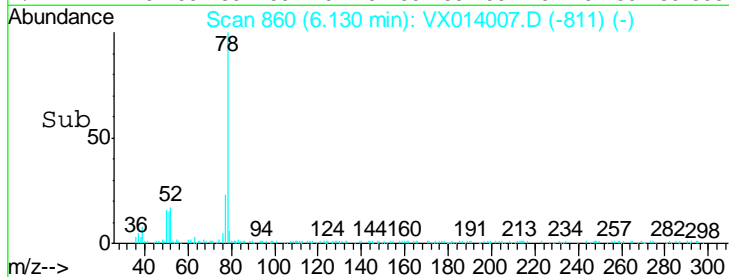
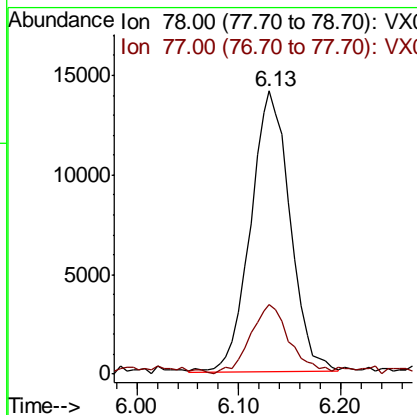
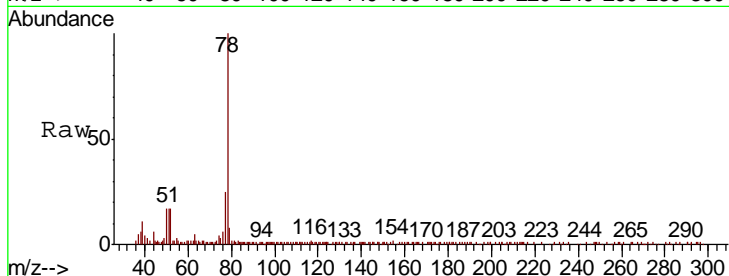
#40
Benzene
Concen: 1.145 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014007.D
Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
78	37774		
77	23.6	18.8	28.2

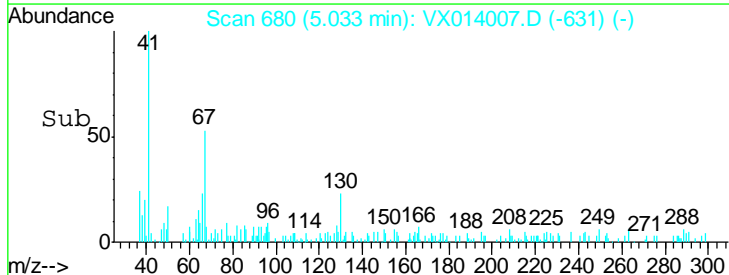
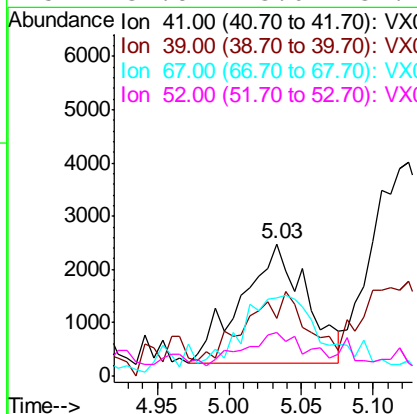
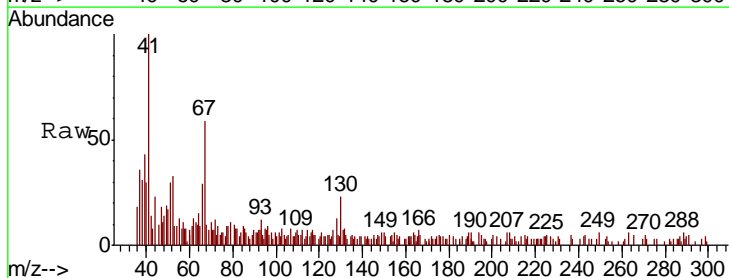
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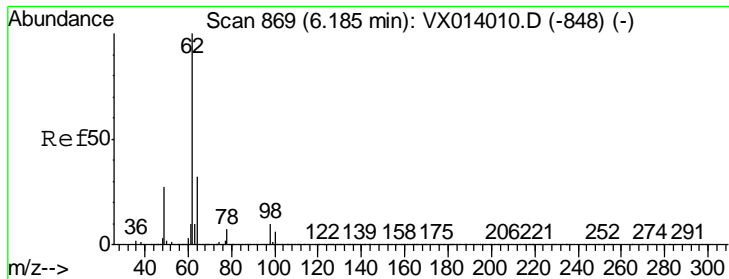
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#41
Methacrylonitrile
Concen: 1.070 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX014007.D
Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
41	7044		
39	70.5	44.5	66.7#
67	92.9	57.4	86.0#
52	31.8	23.0	34.4





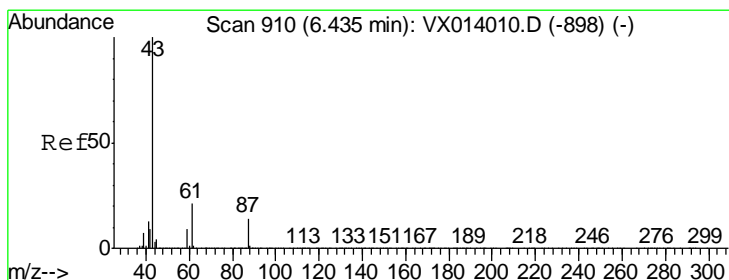
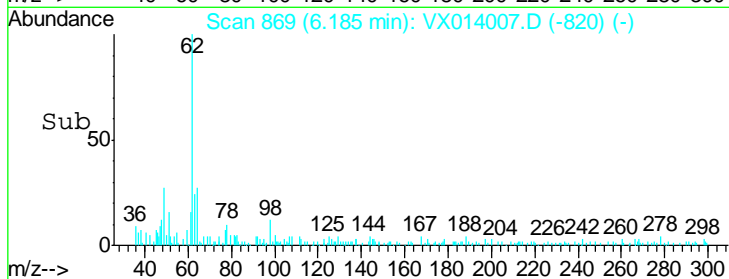
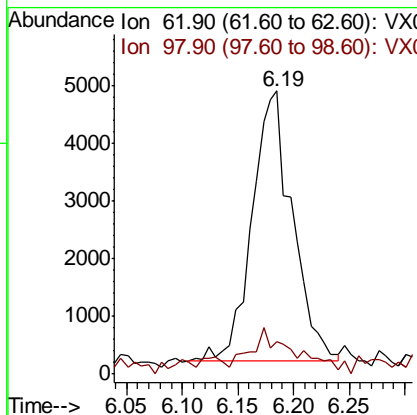
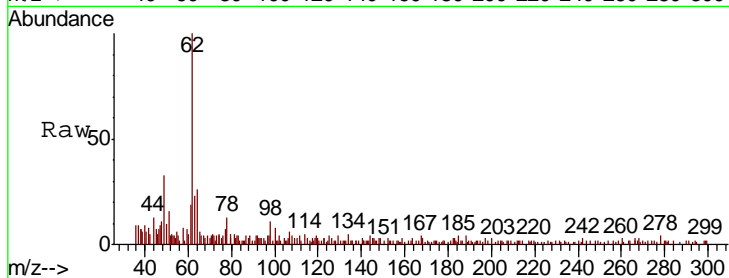
#42
 1,2-Dichloroethane
 Concen: 1.040 ug/l
 RT: 6.19 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
62	11688		
62	100		
98	15.0	0.0	21.0

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

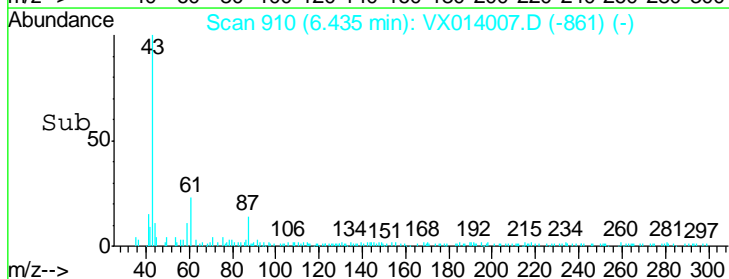
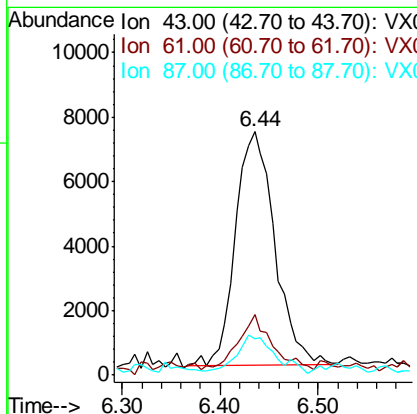
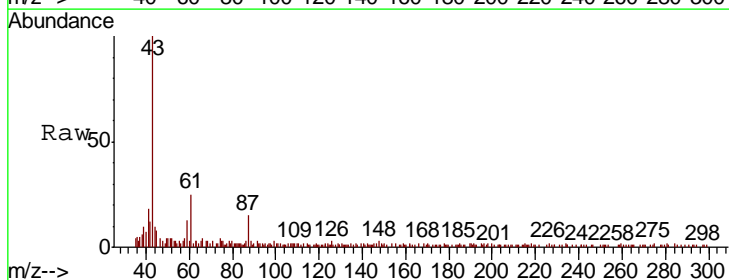
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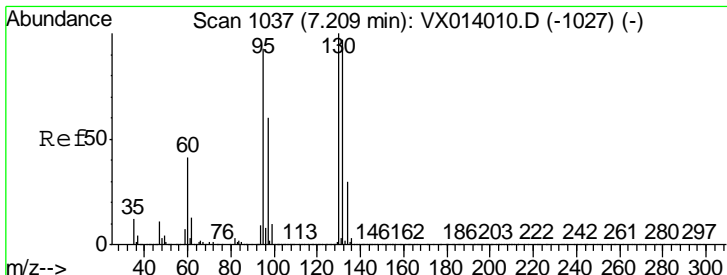
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#43
 Isopropyl Acetate
 Concen: 1.015 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
43	20213		
43	100		
61	19.4	16.4	24.6
87	13.7	10.7	16.1





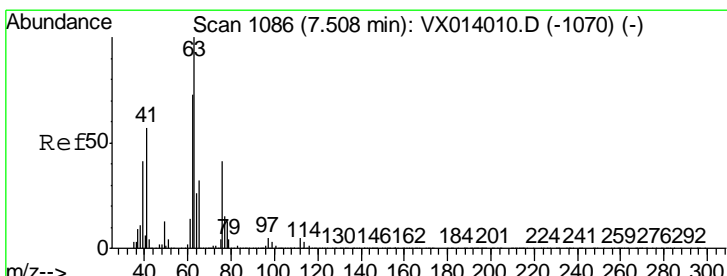
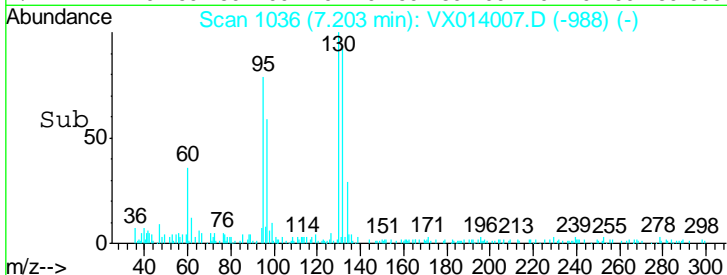
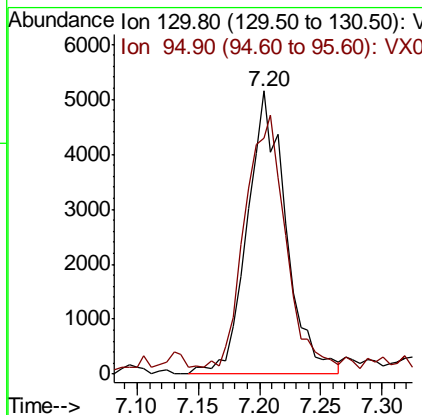
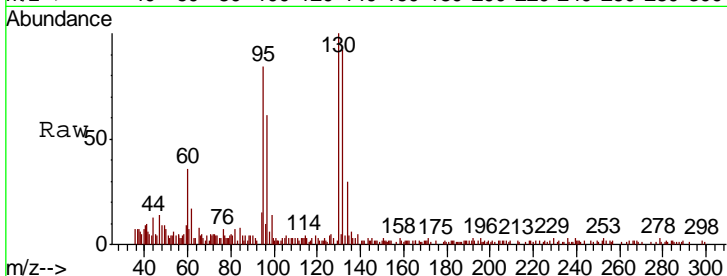
#44
 Trichloroethene
 Concen: 1.259 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
130	11355		
95	81.1	0.0	185.6

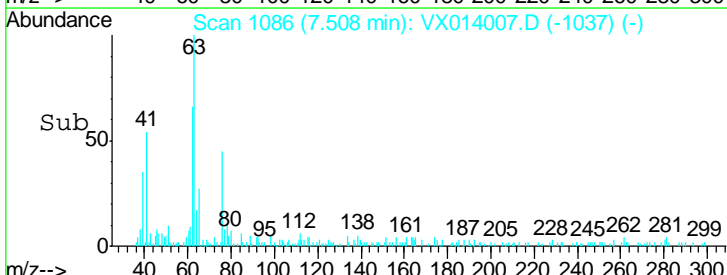
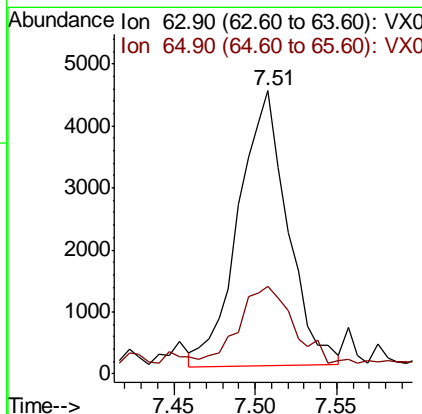
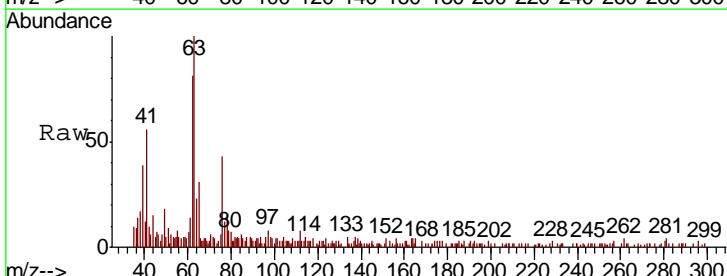
Manual Integrations
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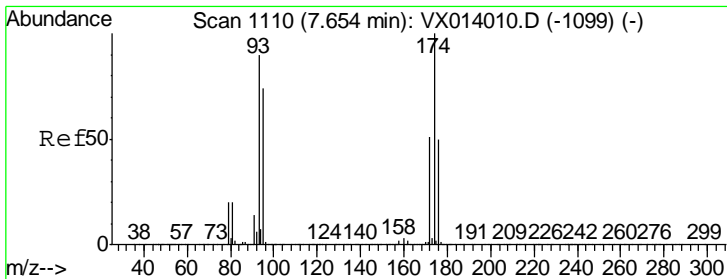
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#45
 1,2-Dichloropropane
 Concen: 1.125 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
63	9301		
65	28.7	25.8	38.8





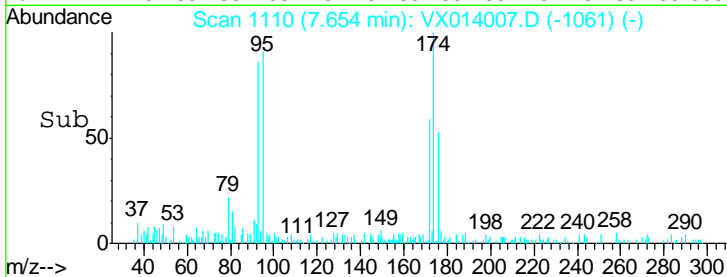
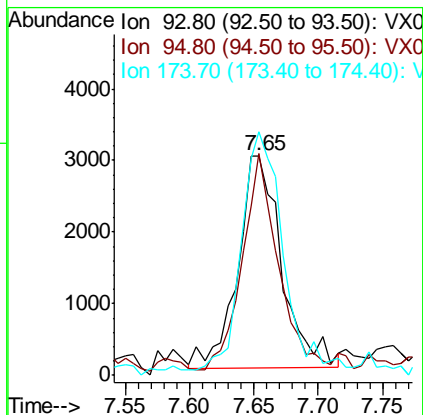
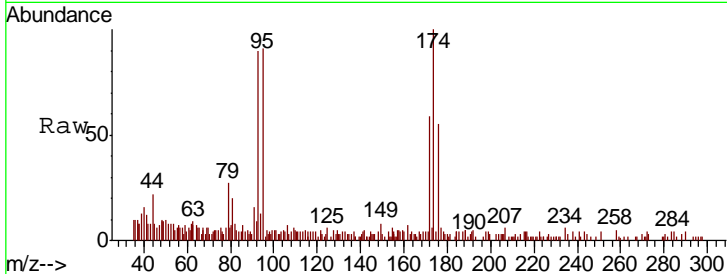
#46
 Dibromomethane
 Concen: 1.263 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
93	7070		
93	100		
95	82.7	67.3	100.9
174	106.1	91.6	137.4

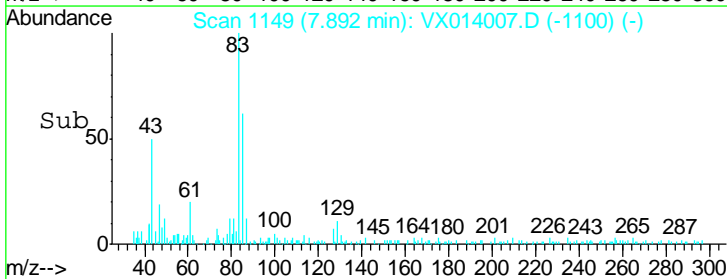
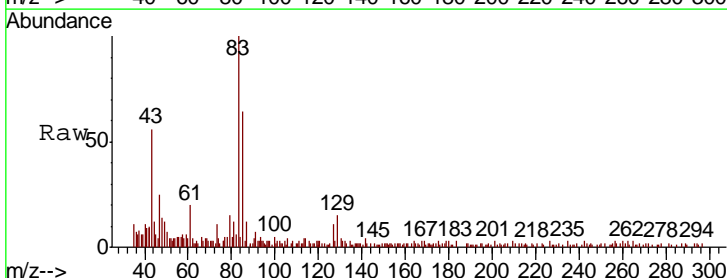
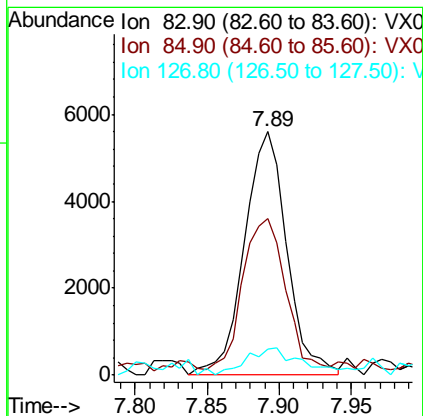
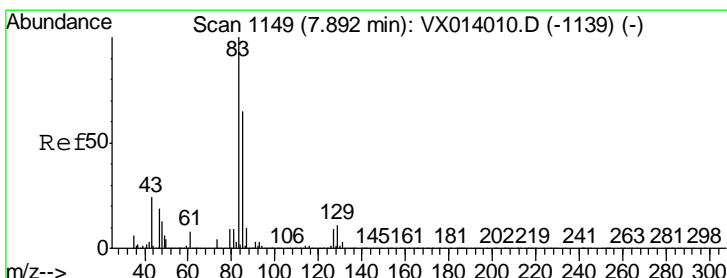
Manual Integrations
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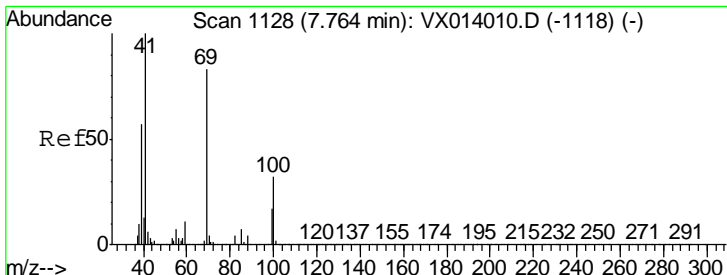
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#47
 Bromodichloromethane
 Concen: 1.079 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
83	11412		
83	100		
85	59.0	51.8	77.8
127	8.4	7.0	10.4





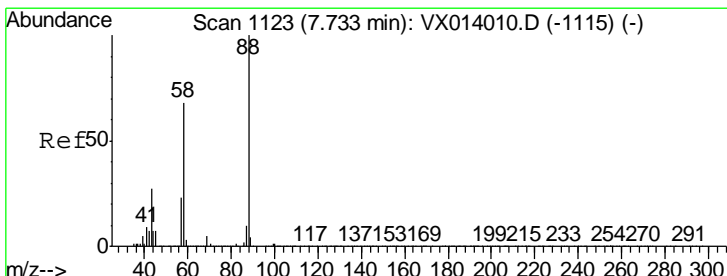
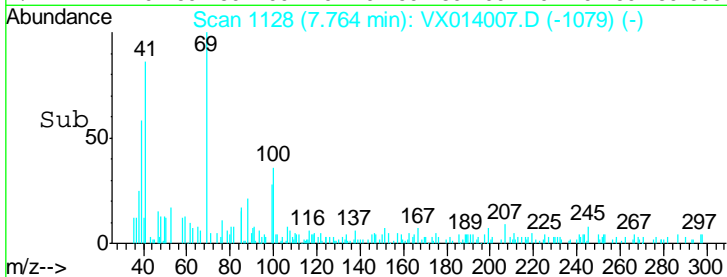
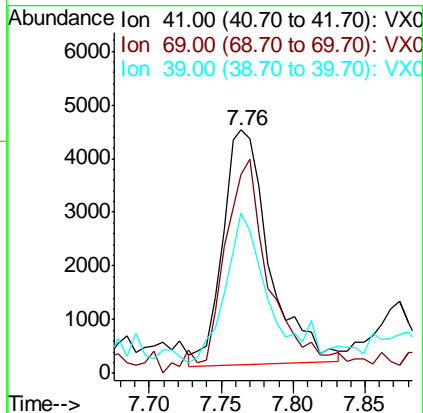
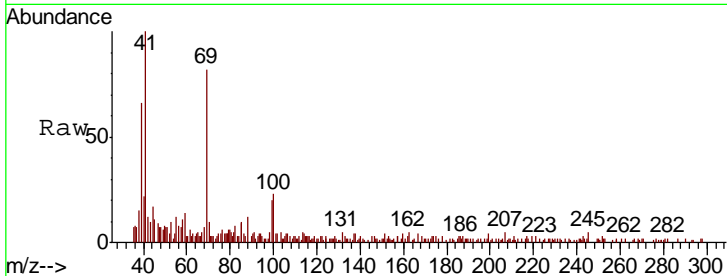
#48
 Methyl methacrylate
 Concen: 1.028 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.5	65.8	98.6
39	59.2	44.6	67.0

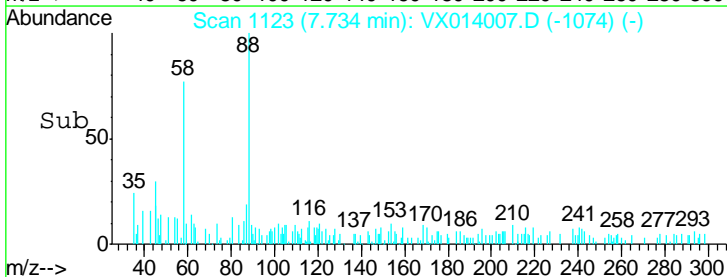
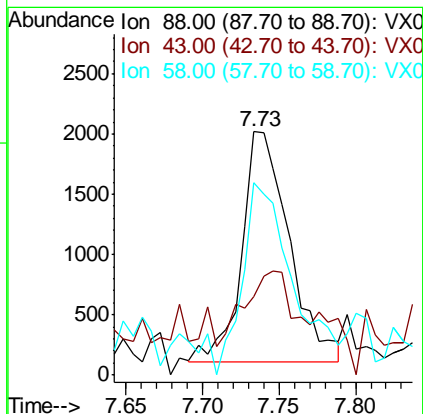
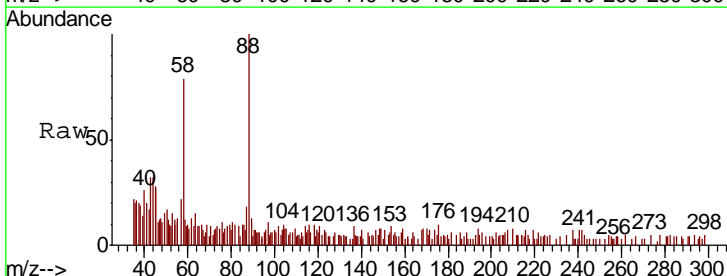
Manual Integrations
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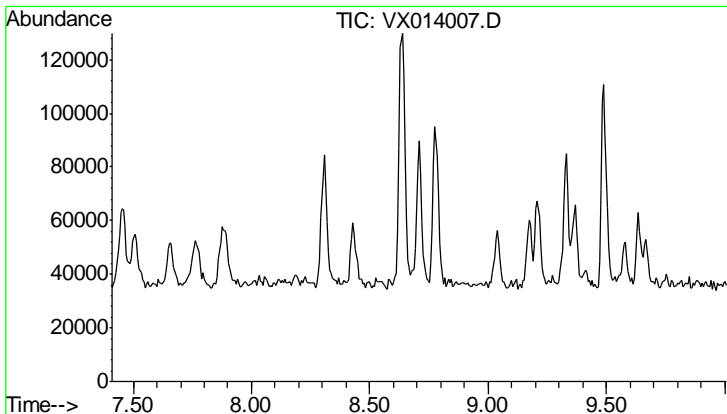
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#49
 1,4-Dioxane
 Concen: 19.503 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.6	26.5	39.7
58	88.6	56.8	85.2#



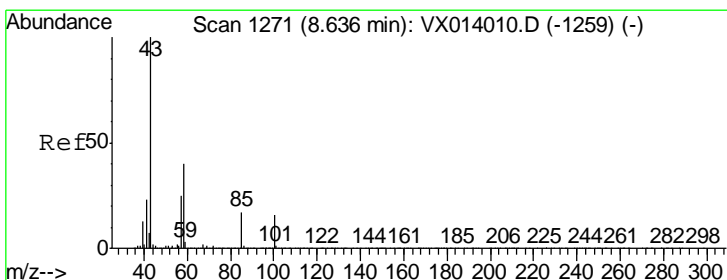
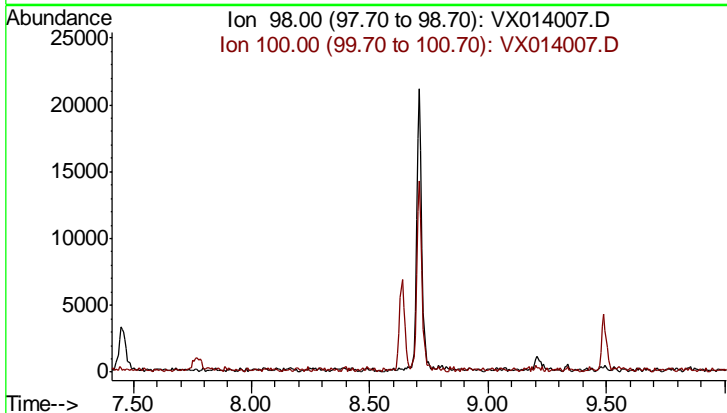


#50
 Toluene-d8
 Concen: 0.000 ug/l
 Expected RT: 8.71 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion: 98
 Sig Exp Ratio
 98 100
 100 66.1

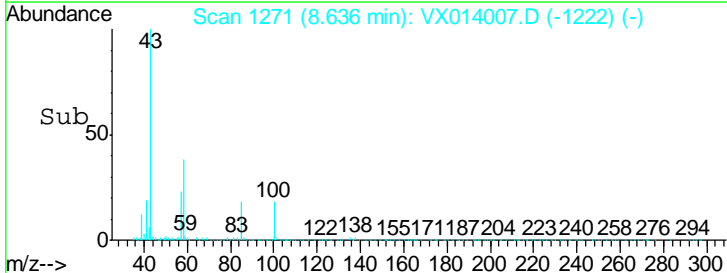
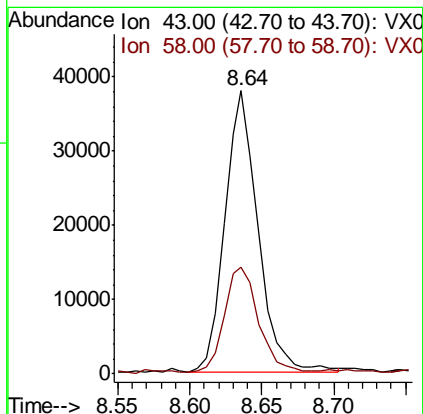
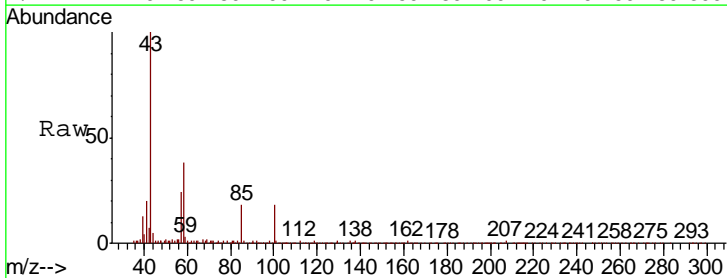
Instrument : MSVOA_X
 ClientSampled : VSTDIC001

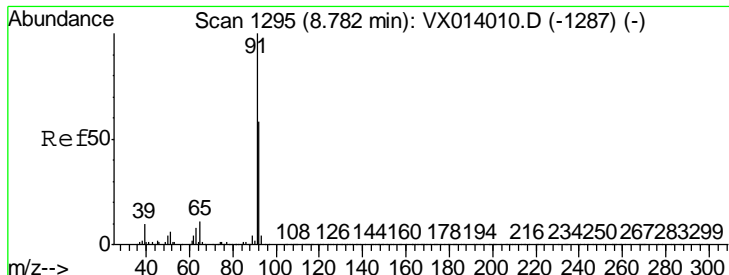
Manual Integrations
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#51
 4-Methyl-2-Pentanone
 Concen: 4.856 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion: 43 Resp: 60739
 Ion Ratio Lower Upper
 43 100
 58 39.1 32.2 48.2





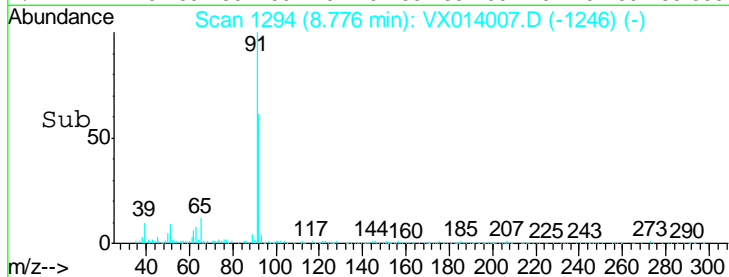
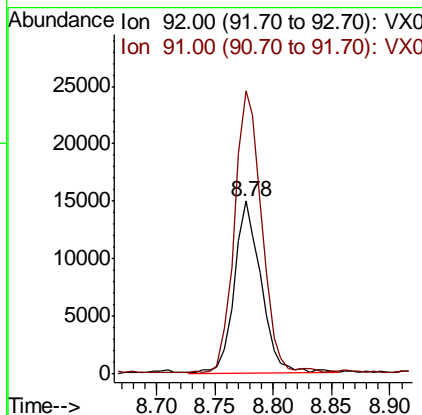
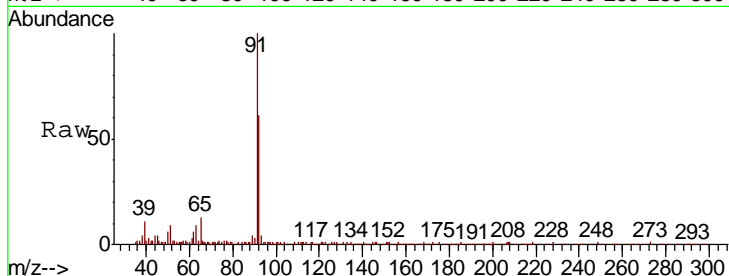
#52
 Toluene
 Concen: 1.172 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
92	24050		
92	100		
91	164.0	136.2	204.4

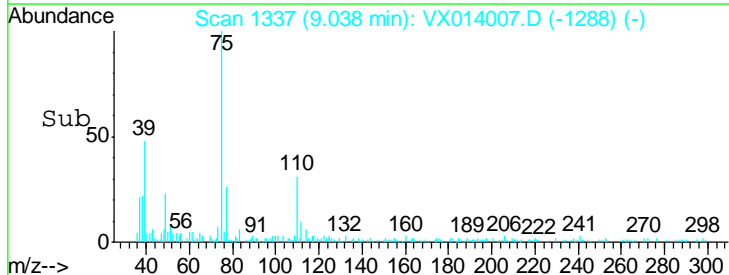
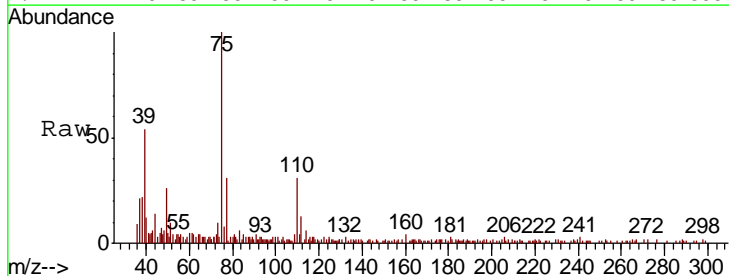
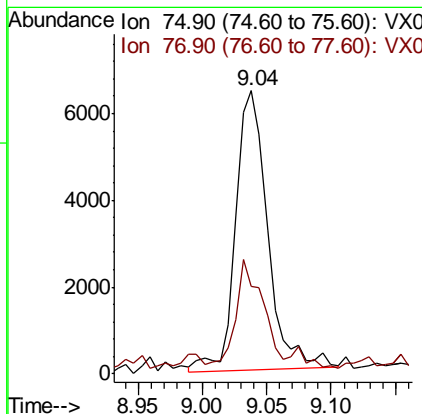
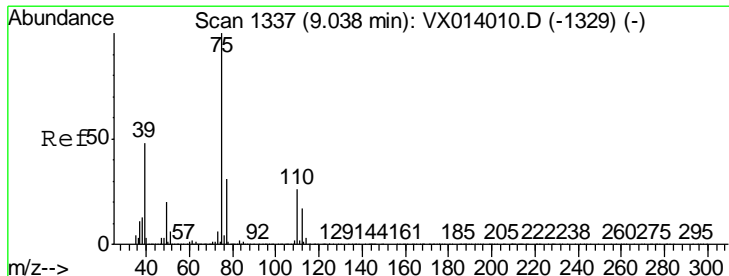
Manual Integrations
 APPROVED

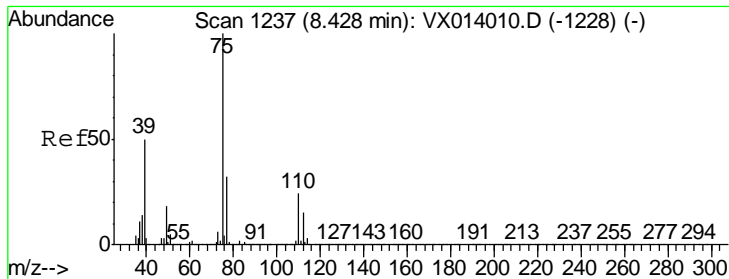
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#53
 t-1,3-Dichloropropene
 Concen: 0.922 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
75	11090		
75	100		
77	26.2	25.1	37.7





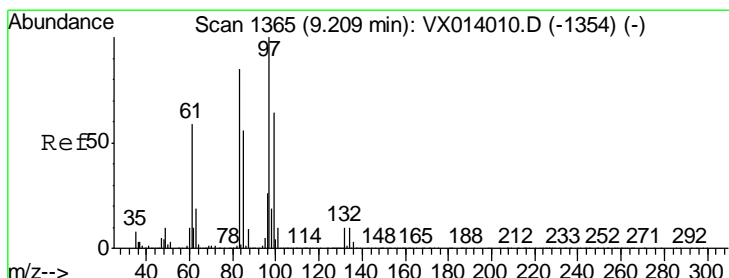
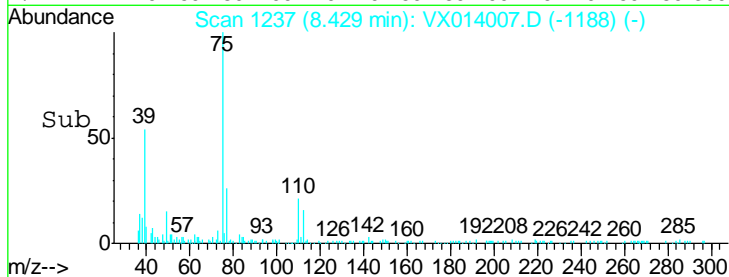
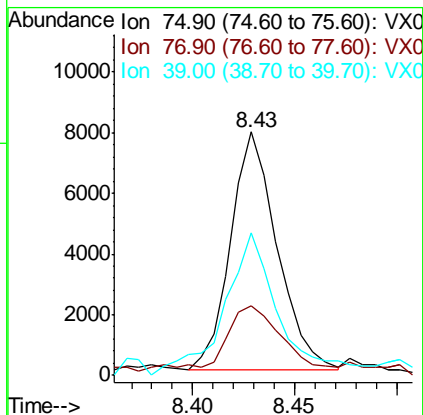
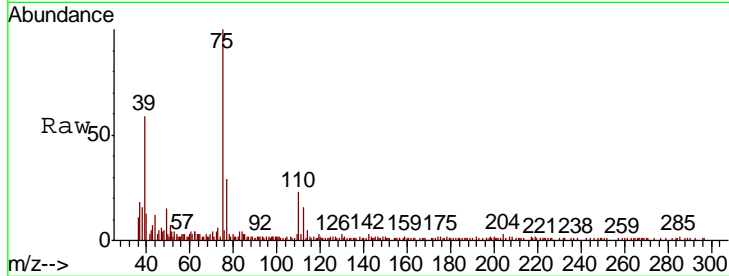
#54
 cis-1,3-Dichloropropene
 Concen: 0.940 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	12372		
75	100		
77	26.1	25.3	37.9
39	54.0	39.9	59.9

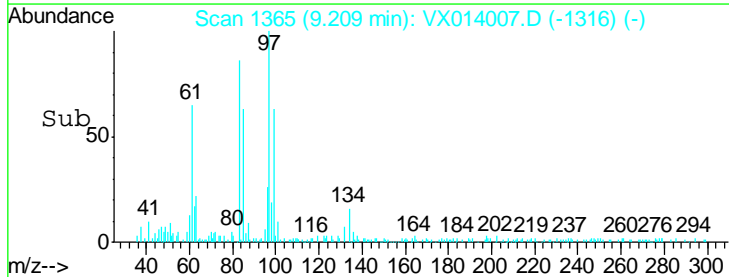
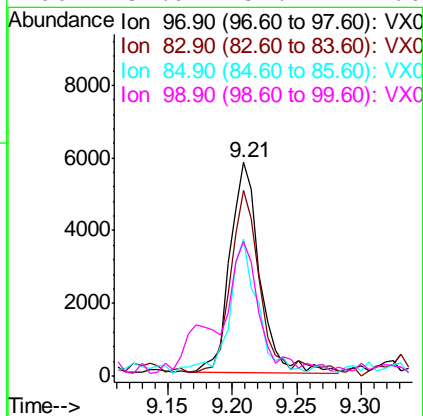
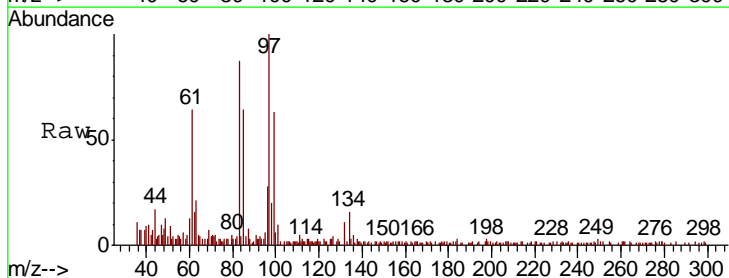
Manual Integrations
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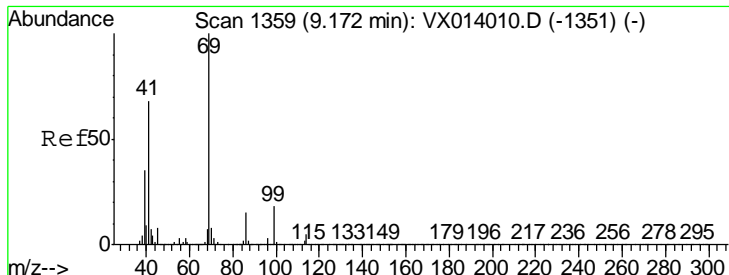
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#55
 1,1,2-Trichloroethane
 Concen: 1.148 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
97	9482		
97	100		
83	86.1	68.2	102.4
85	63.4	44.6	66.8
99	57.9	51.4	77.0





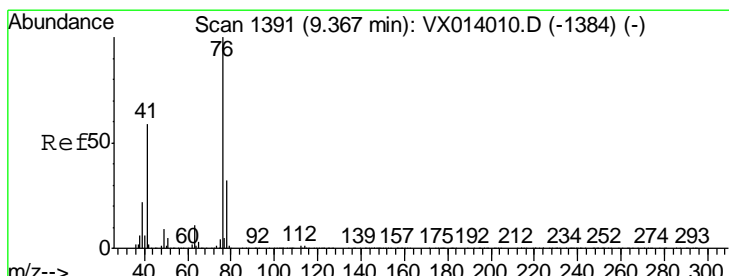
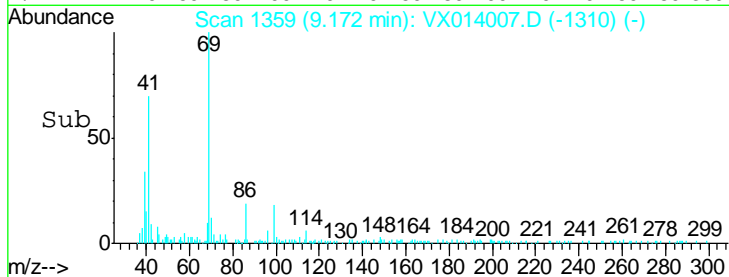
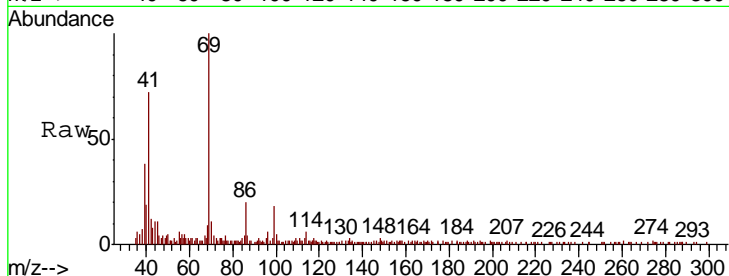
#56
Ethyl methacrylate
Concen: 0.929 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX014007.D
Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
69	12354		
41	88.9	54.8	82.2#
39	34.5	28.3	42.5

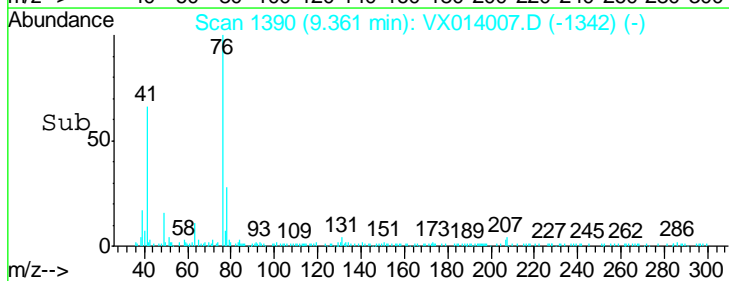
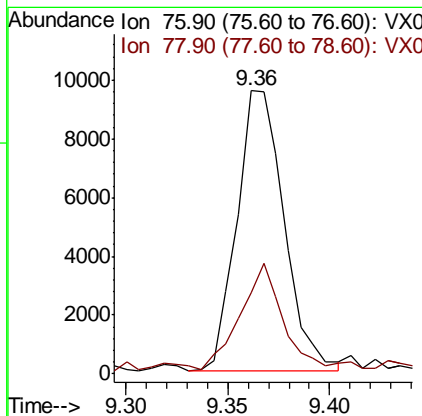
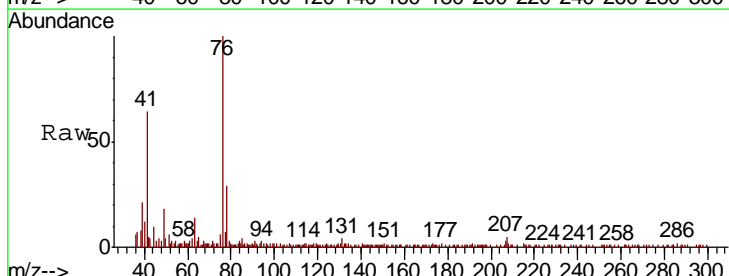
Manual Integrations
APPROVED

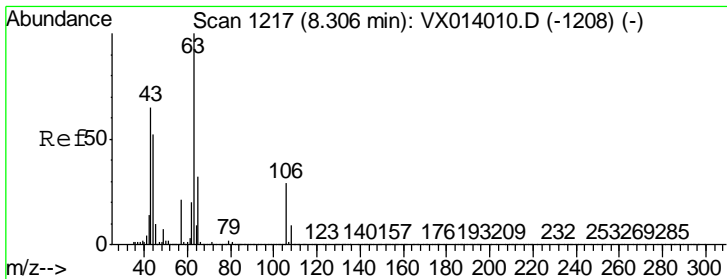
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#57
1,3-Dichloropropane
Concen: 1.077 ug/l
RT: 9.36 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX014007.D
Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
76	15349		
78	35.2	25.8	38.6





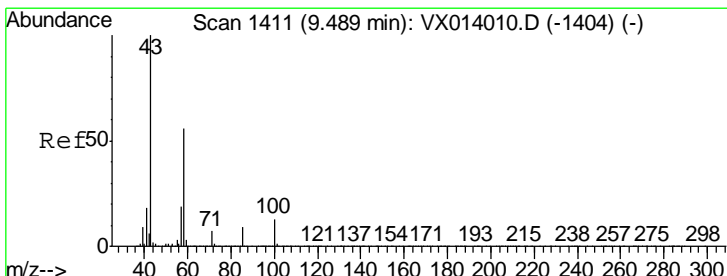
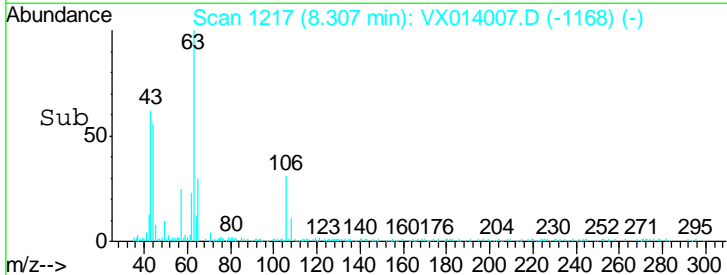
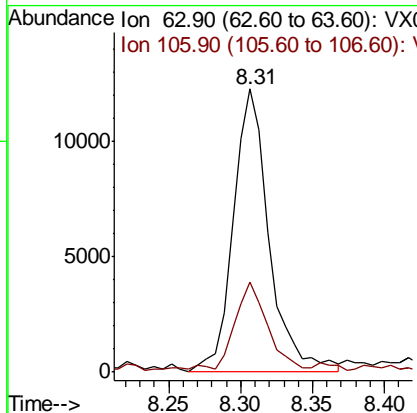
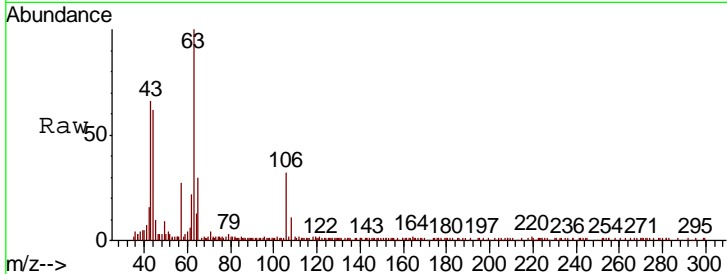
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.098 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	21365		
63	100		
106	28.1	23.0	34.6

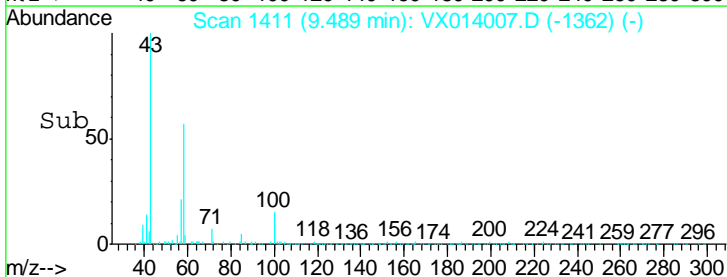
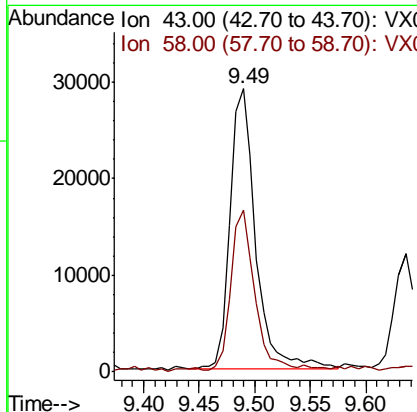
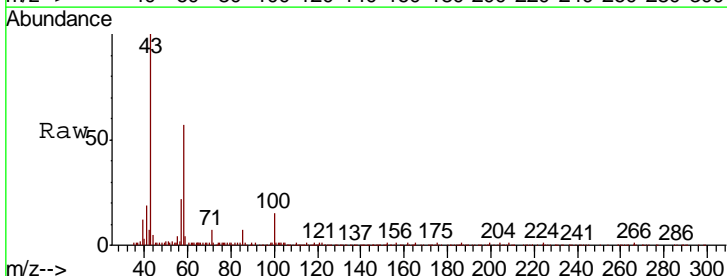
Manual Integrations
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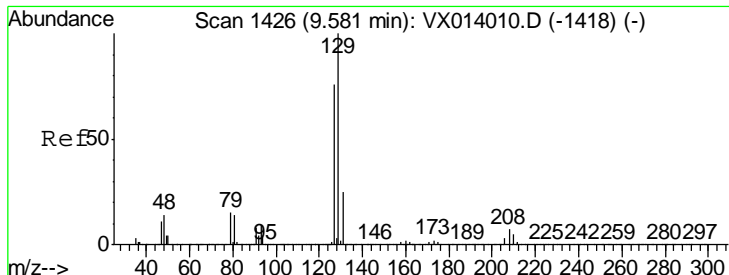
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#59
 2-Hexanone
 Concen: 4.655 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
43	45812		
43	100		
58	52.8	28.0	84.0





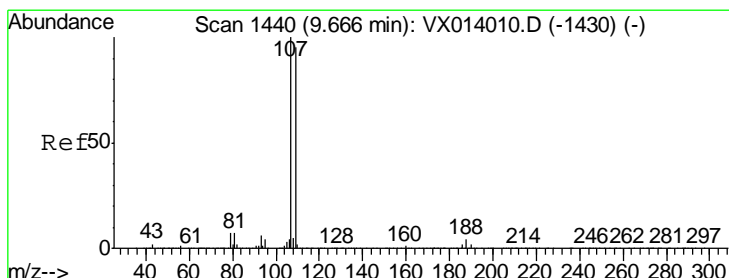
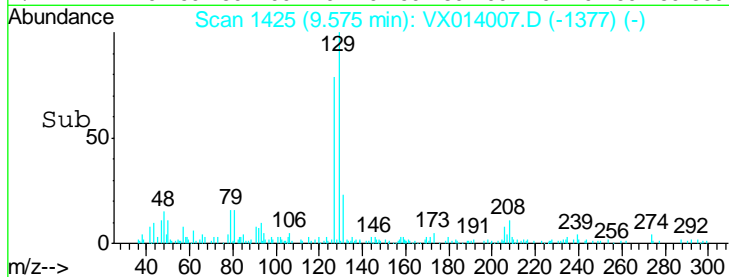
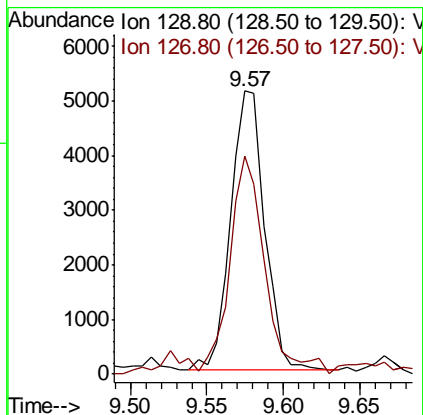
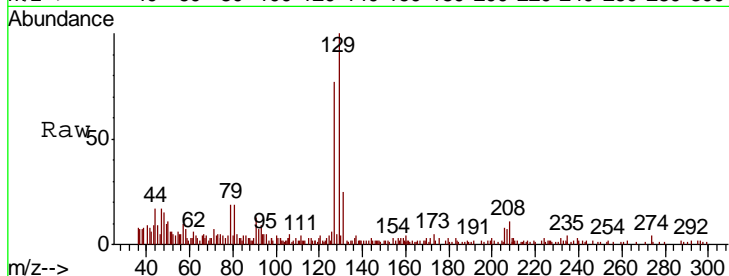
#60
 Dibromochloromethane
 Concen: 0.921 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
129	7865		
127	80.8	38.4	115.2

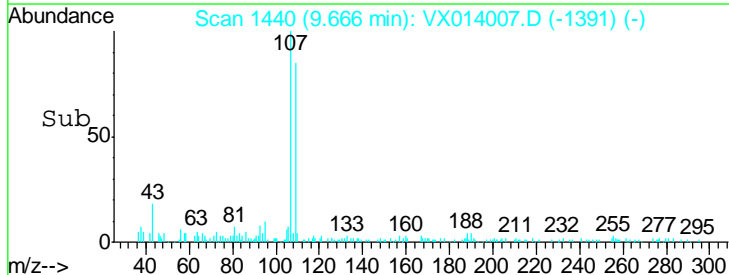
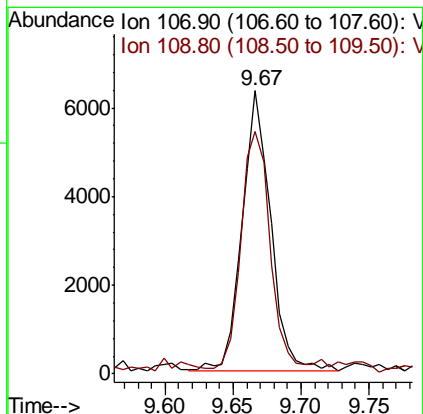
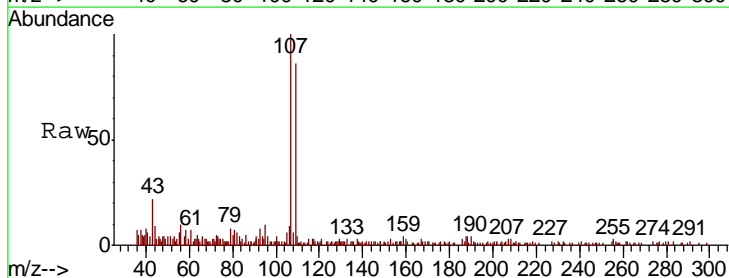
Manual Integrations
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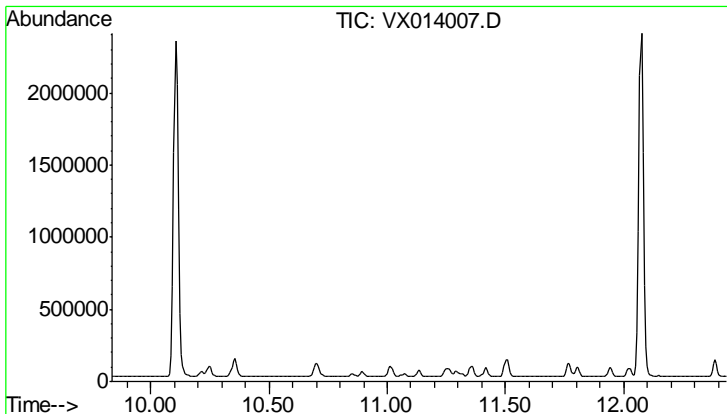
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#61
 1,2-Dibromoethane
 Concen: 1.048 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
107	9234		
109	85.5	75.7	113.5



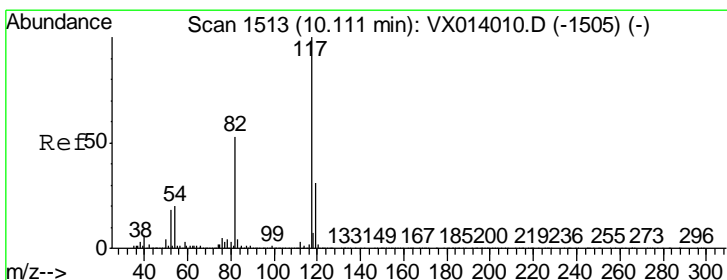
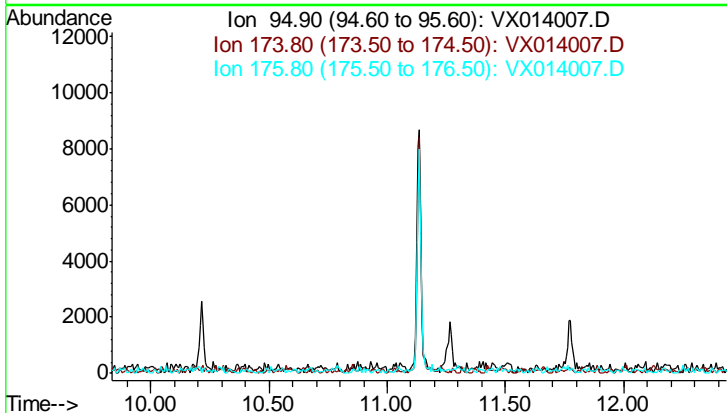


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.14 min

Tgt Ion	Exp Ratio
95	100
174	87.9
176	86.5

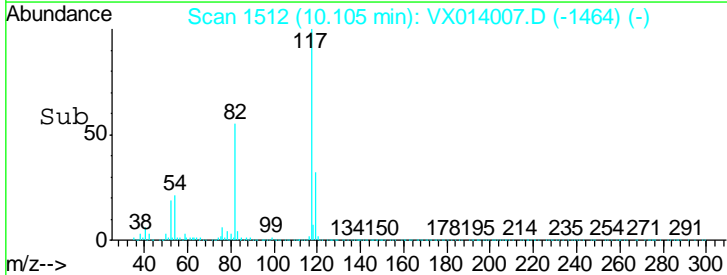
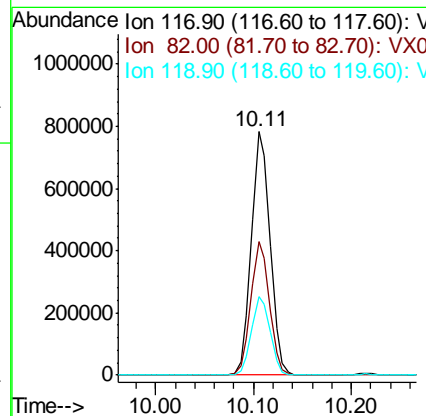
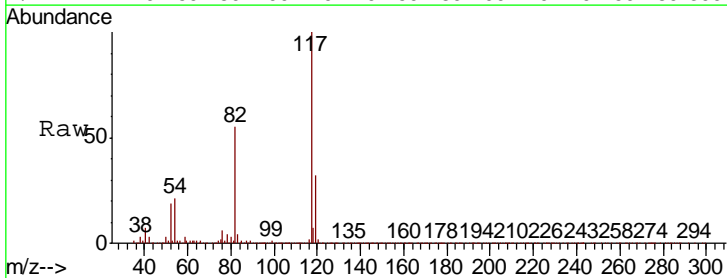
Instrument : MSVOA_X
 Client Sampled : VSTDIC001

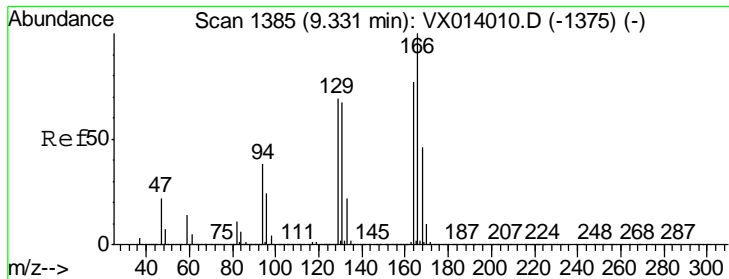
Manual Integrations
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

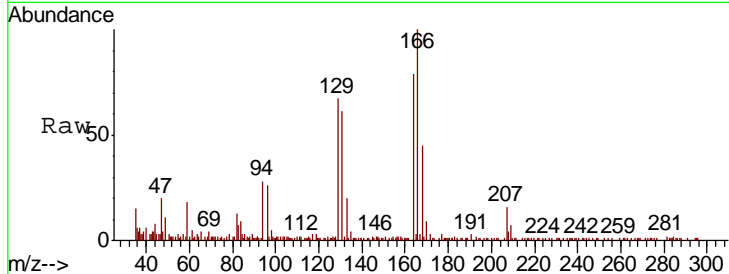
Tgt Ion	Resp	Lower	Upper
117	1042212		
82	55.1	42.2	63.4
119	32.4	25.1	37.7





#64
 Tetrachloroethene
 Concen: 1.268 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

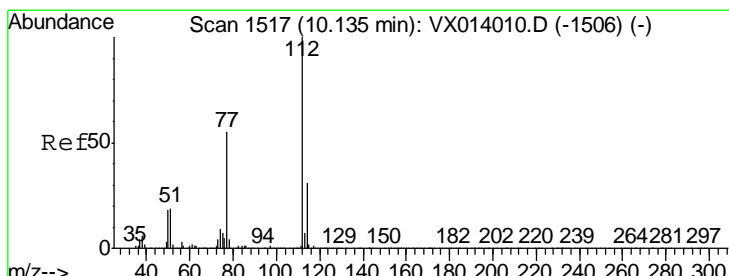
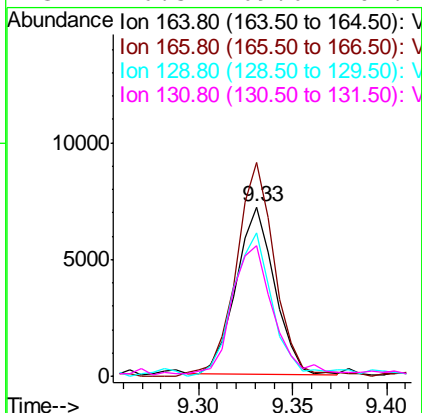
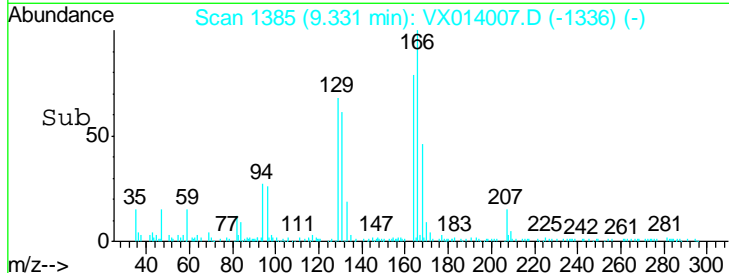
Instrument : MSVOA_X
 ClientSampled : VX014007.D
 VSTDIC001



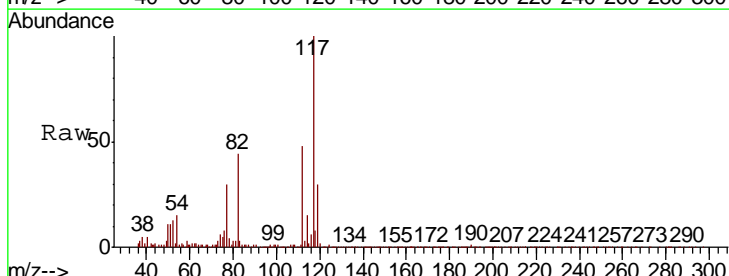
Tgt Ion: 164 Resp: 10196

Ion	Ratio	Lower	Upper
164	100		
166	125.6	104.0	156.0
129	86.0	72.2	108.4
131	76.5	69.6	104.4

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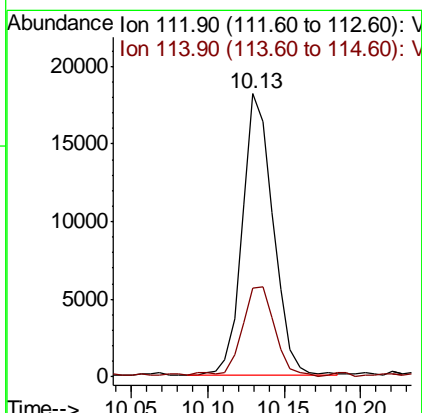
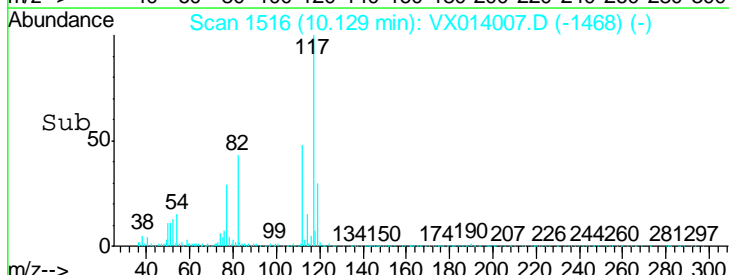


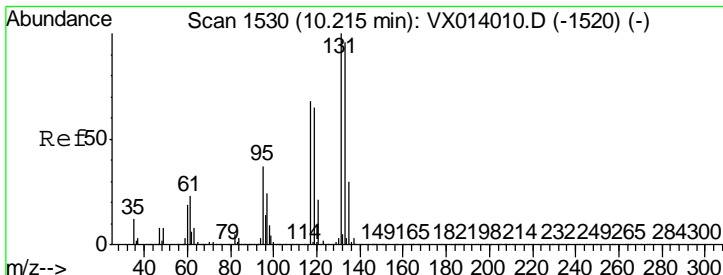
#65
 Chlorobenzene
 Concen: 1.163 ug/l
 RT: 10.13 min Scan# 1516
 Delta R.T. -0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49



Tgt Ion: 112 Resp: 25303

Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.9	37.3





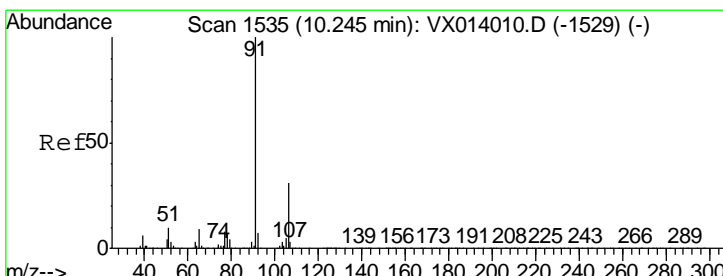
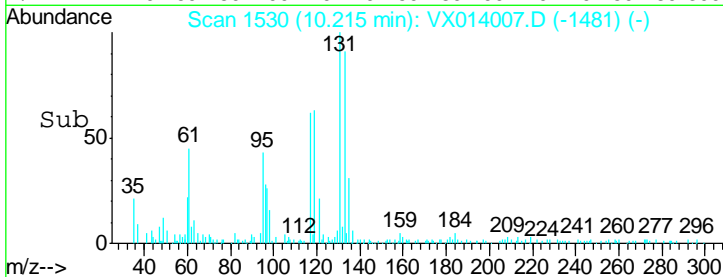
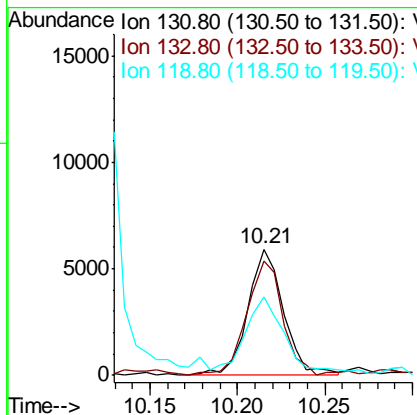
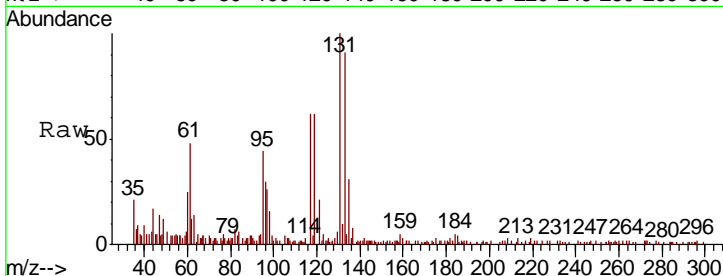
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.081 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
131	100		
133	91.9	48.0	144.0
119	0.0	33.4	100.2#

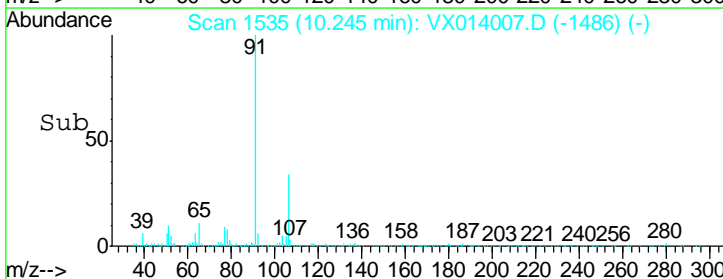
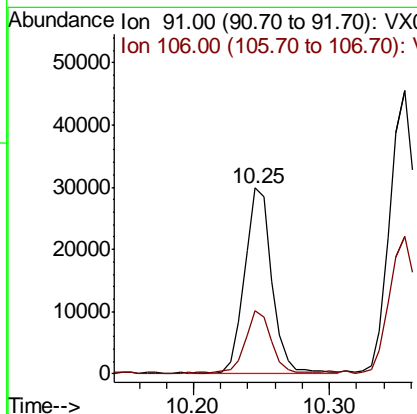
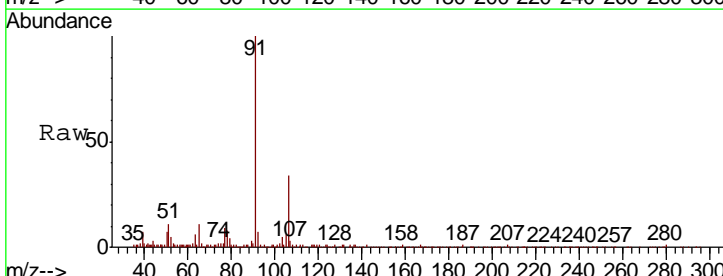
Manual Integrations
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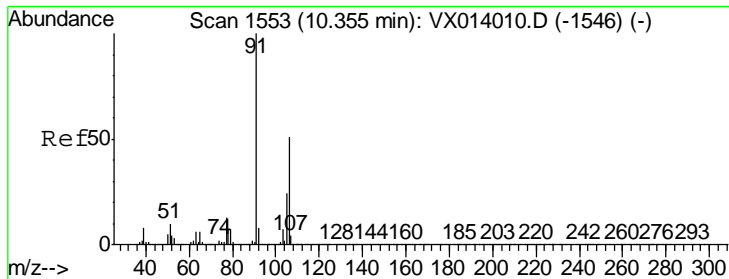
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#67
 Ethyl Benzene
 Concen: 1.108 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
91	100		
106	33.5	25.0	37.6





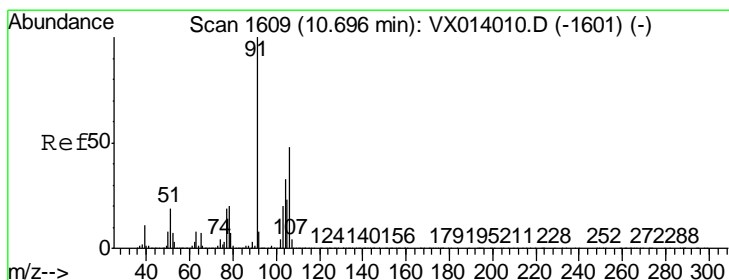
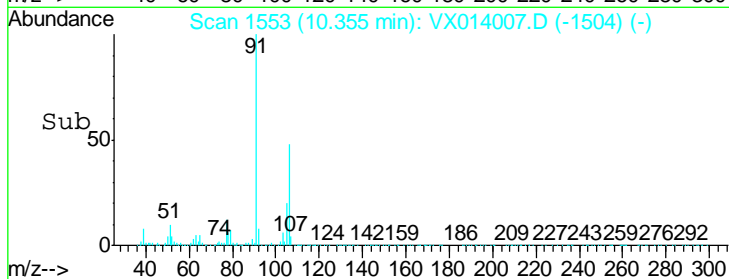
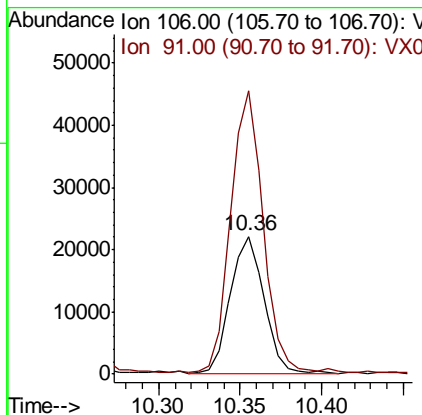
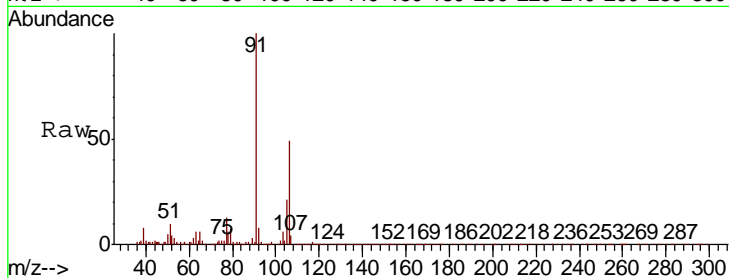
#68
 m/p-Xylenes
 Concen: 2.223 ug/l
 RT: 10.36 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.0	158.6	238.0

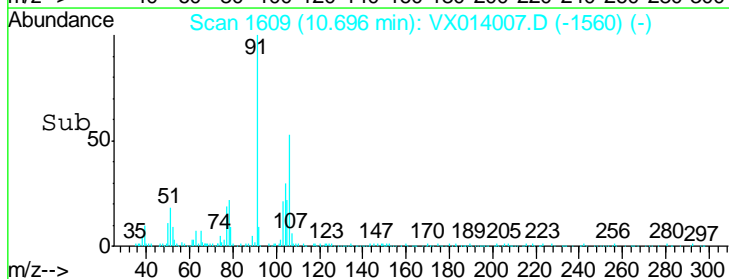
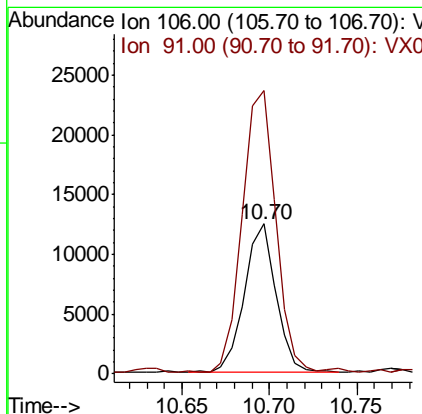
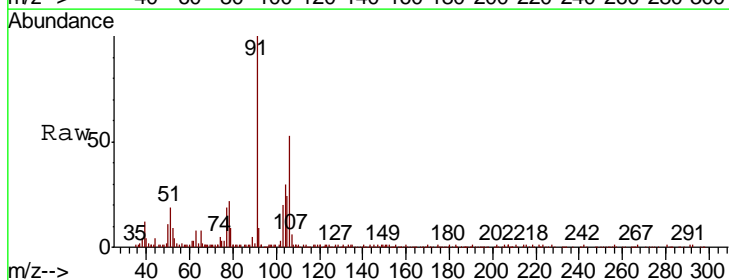
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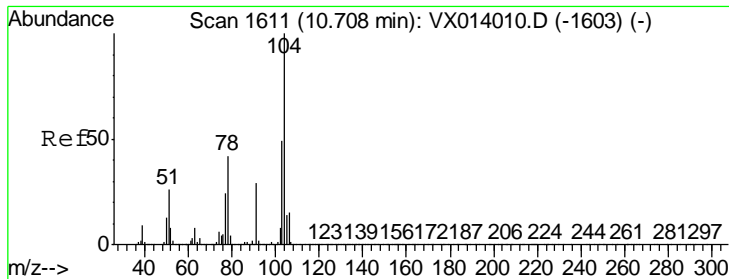
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#69
 o-Xylene
 Concen: 1.108 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.5	104.2	312.6





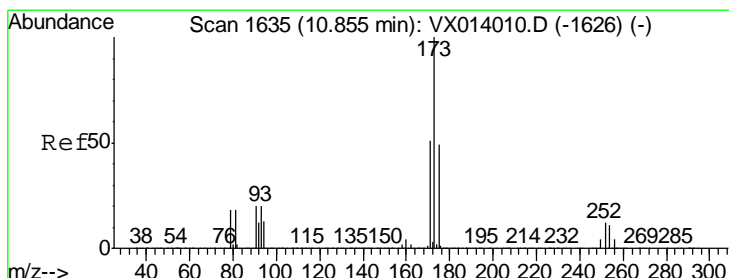
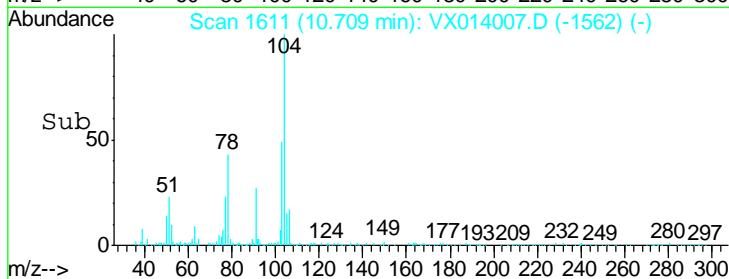
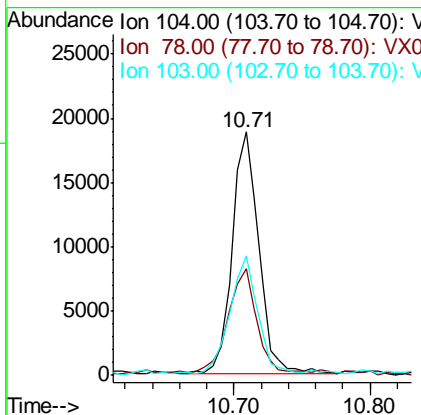
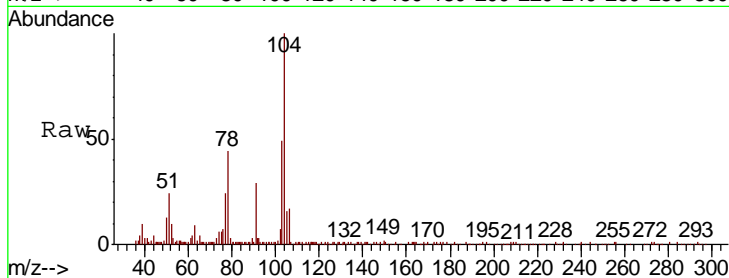
#70
 Styrene
 Concen: 1.081 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
104	25473		
78	49.6	38.5	57.7
103	51.7	42.9	64.3

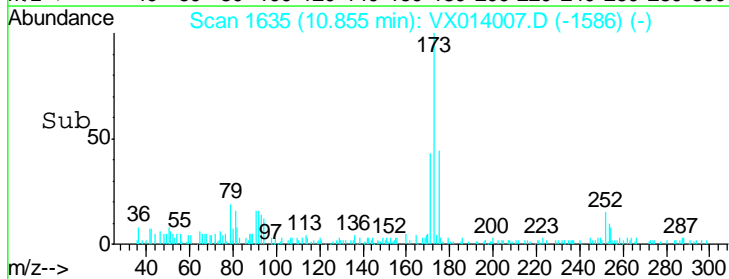
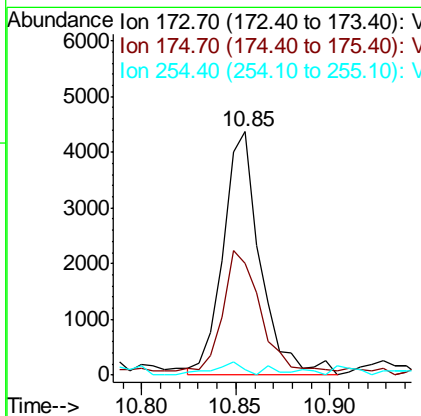
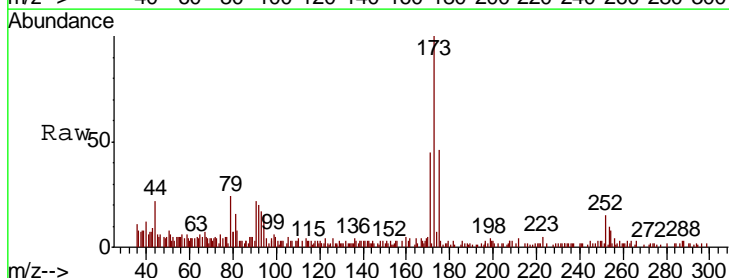
Manual Integrations
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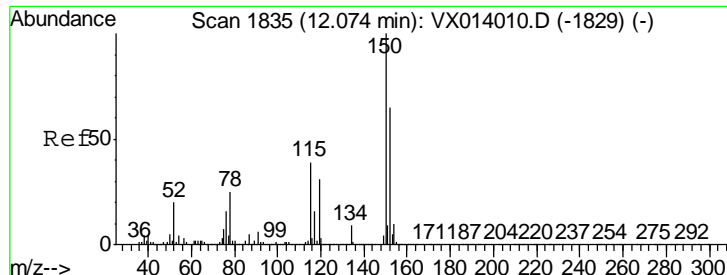
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#71
 Bromoform
 Concen: 0.932 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
173	5988		
175	49.3	24.4	73.4
254	4.3	0.2	0.2#





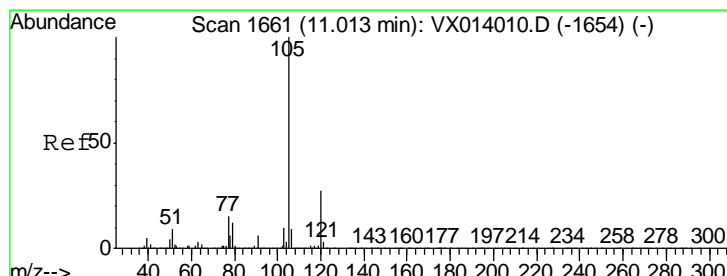
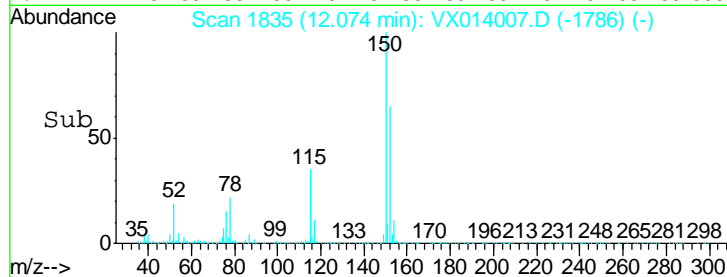
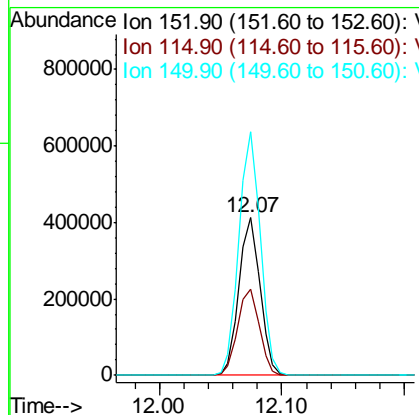
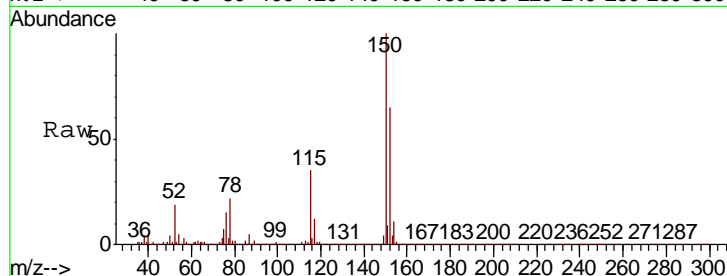
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.3	38.3	114.9
150	155.9	0.0	345.4

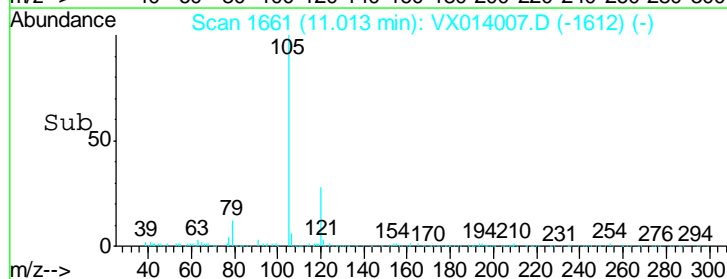
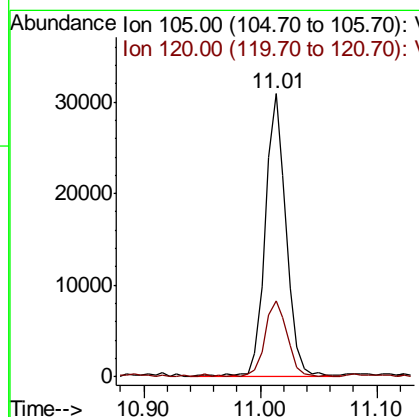
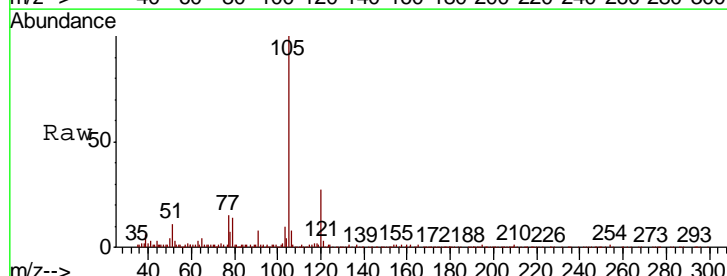
Manual Integrations
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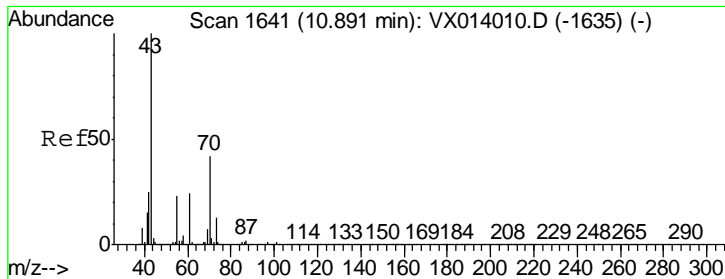
apatel
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#73
 Isopropylbenzene
 Concen: 1.101 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

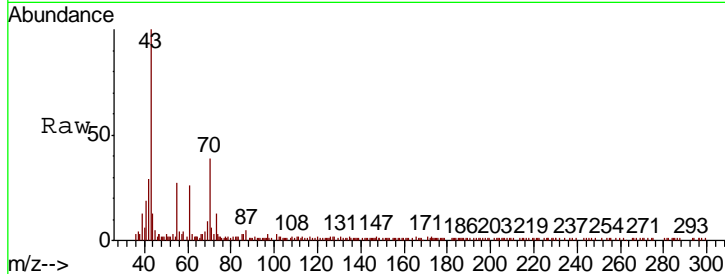
Tgt Ion	Resp	Lower	Upper
105	100		
120	29.1	13.5	40.4





#74
 N-amyl acetate
 Concen: 1.038 ug/l
 RT: 10.90 min Scan# 1642
 Delta R.T. 0.01 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

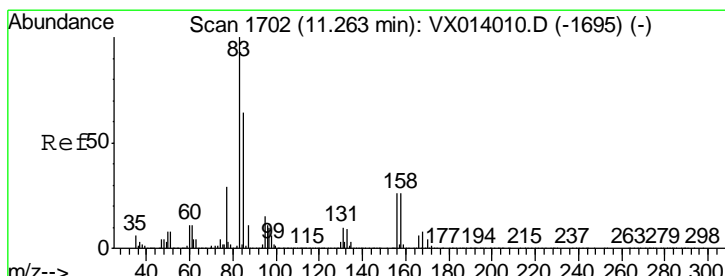
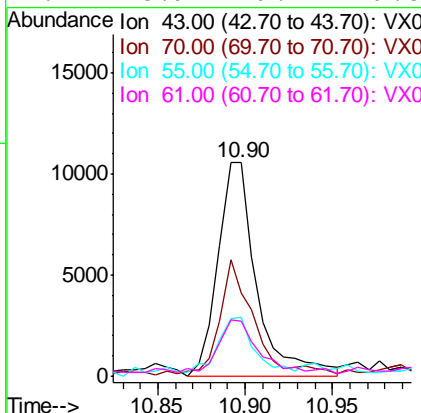
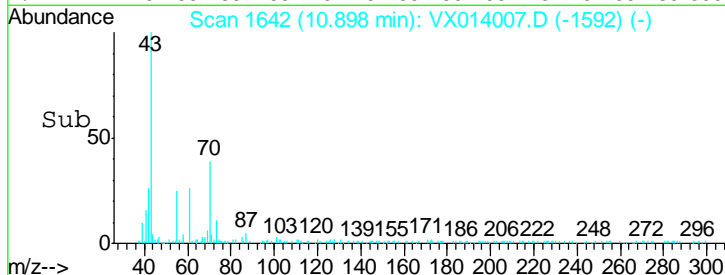
Instrument : MSVOA_X
 Client Sampled : VSTDIC001



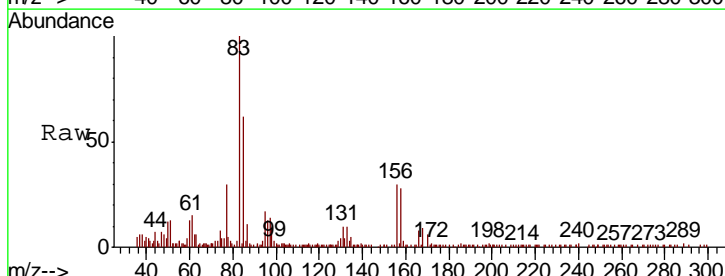
Tgt Ion	Resp	Lower	Upper
43	100		
70	43.8	34.4	51.6
55	23.4	19.1	28.7
61	25.9	19.7	29.5

Manual Integrations
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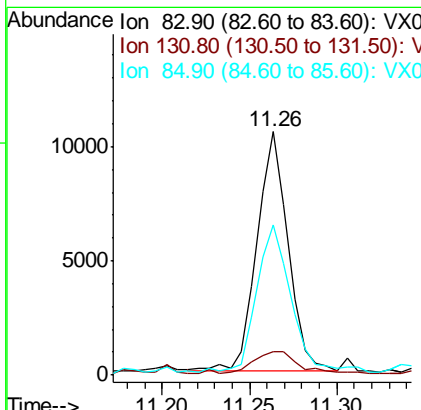
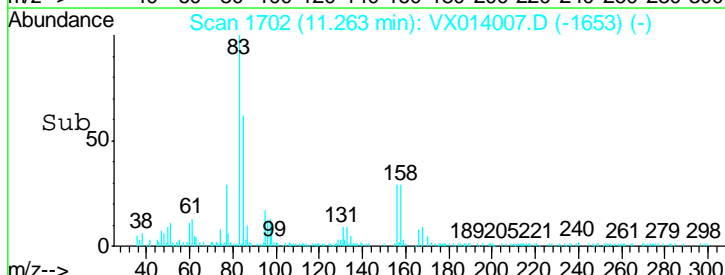
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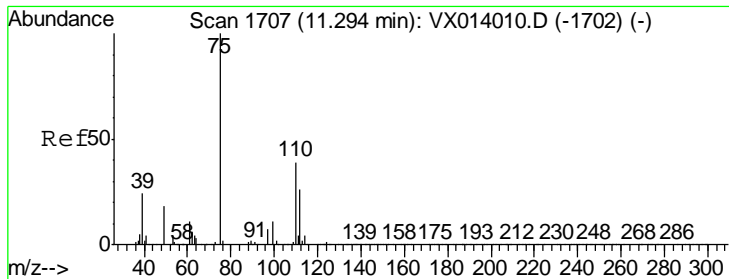


#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.074 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49



Tgt Ion	Resp	Lower	Upper
83	100		
131	13.4	5.1	15.2
85	68.7	31.9	95.7





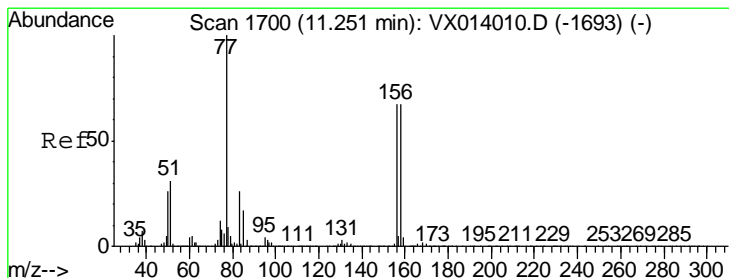
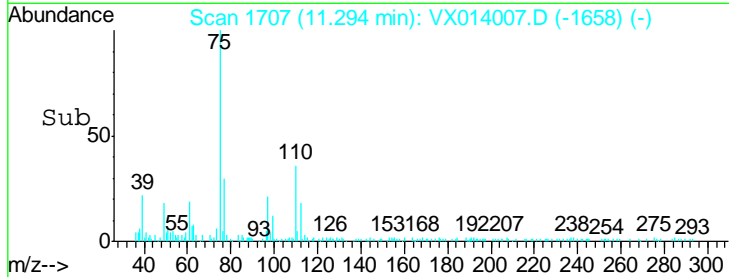
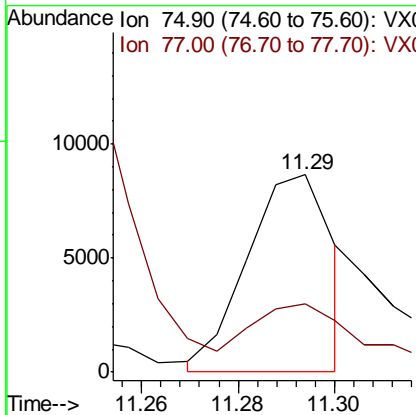
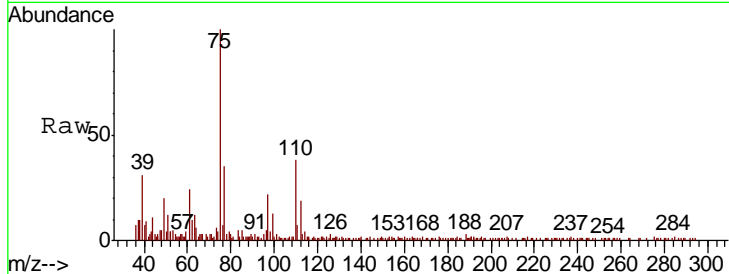
#76
 1,2,3-Trichloropropane
 Concen: 0.961 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	10589		
75	100		
77	46.0	19.3	57.8

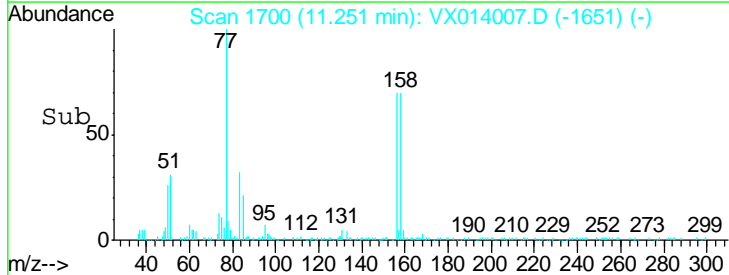
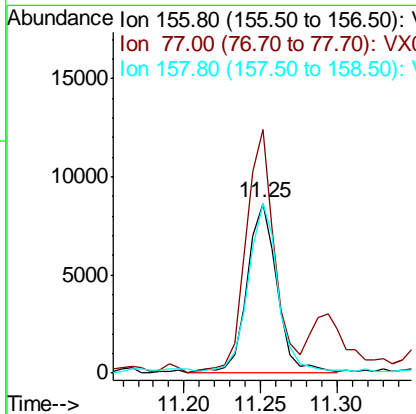
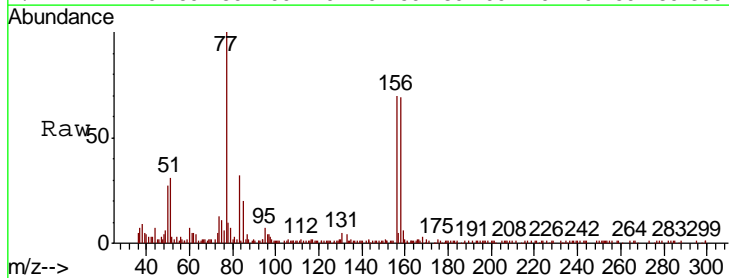
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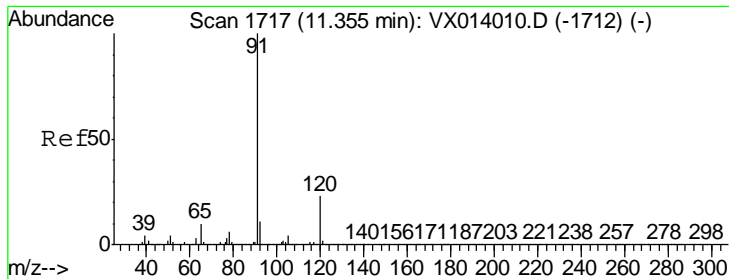
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#77
 Bromobenzene
 Concen: 1.273 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
156	11866		
156	100		
77	136.1	76.5	229.5
158	102.8	49.3	147.9





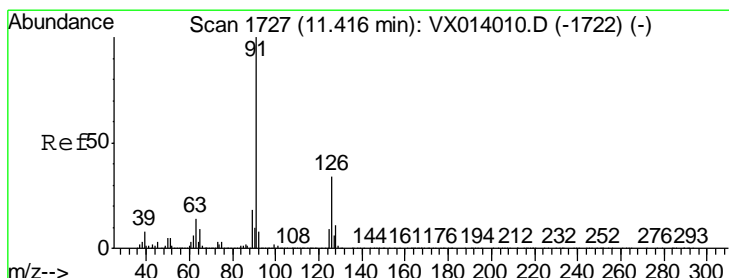
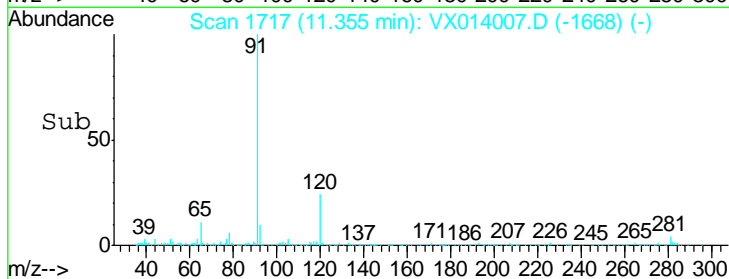
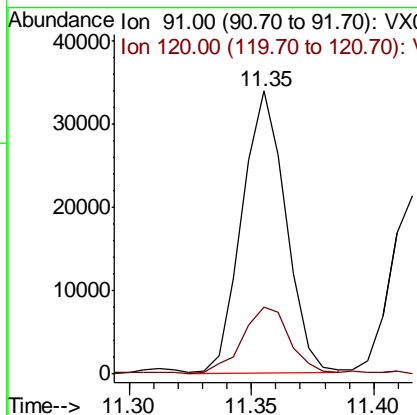
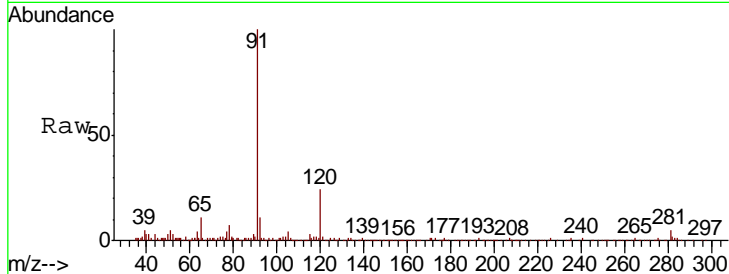
#78
 n-propylbenzene
 Concen: 1.091 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	42164	100	
120	25.2	11.7	35.0

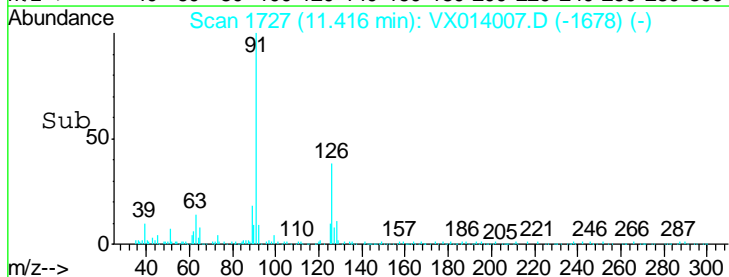
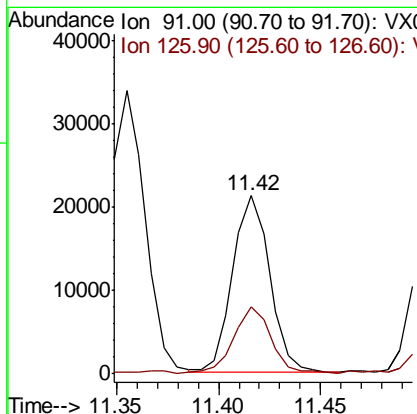
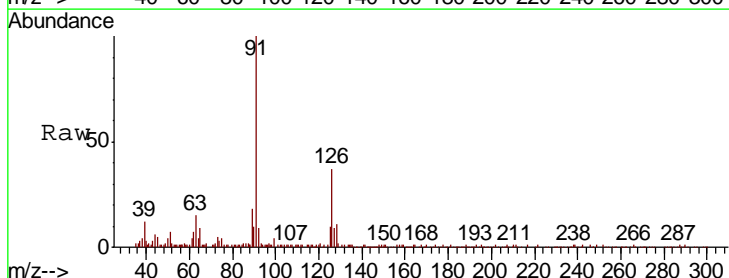
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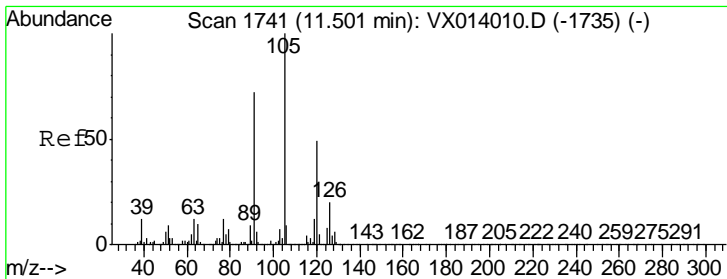
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#79
 2-Chlorotoluene
 Concen: 1.154 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
91	26847	100	
126	36.8	17.2	51.6





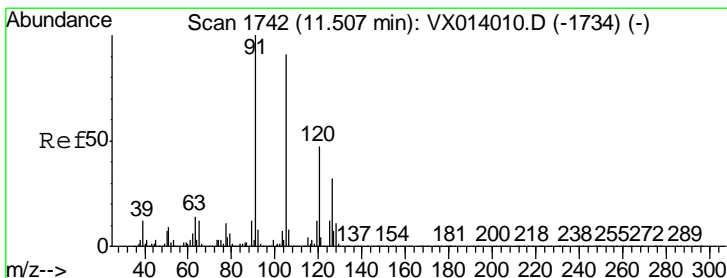
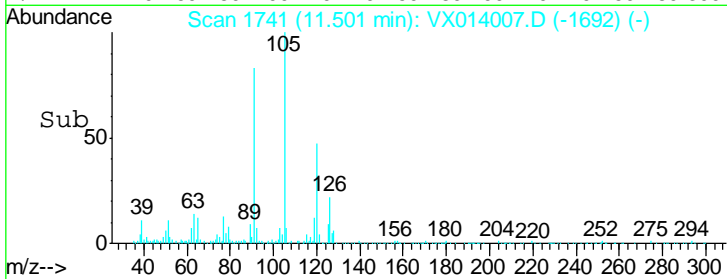
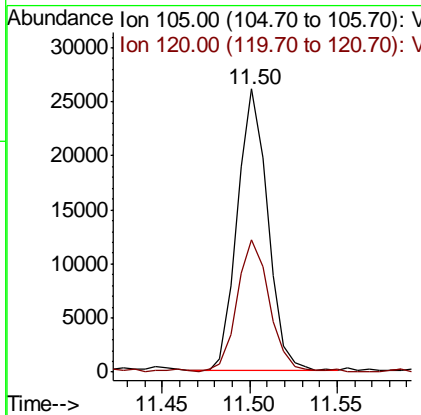
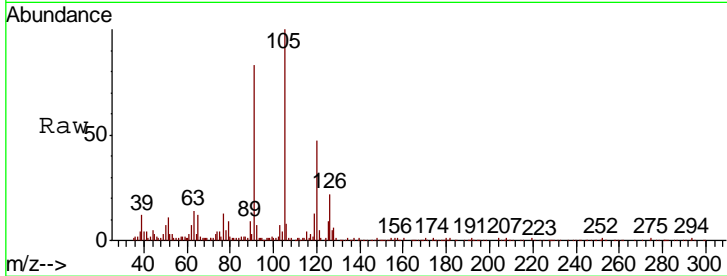
#80
 1,3,5-Trimethylbenzene
 Concen: 1.109 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	31510	100	100
120	50.9	25.3	75.8

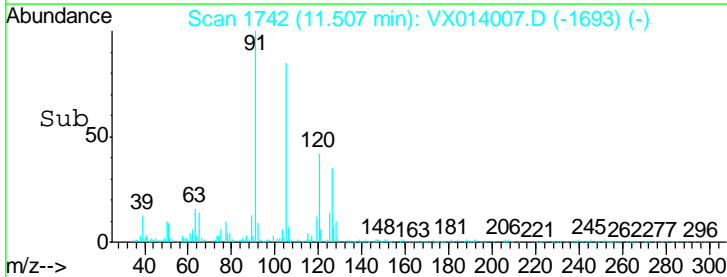
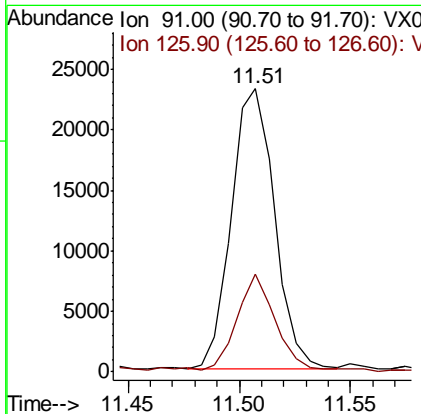
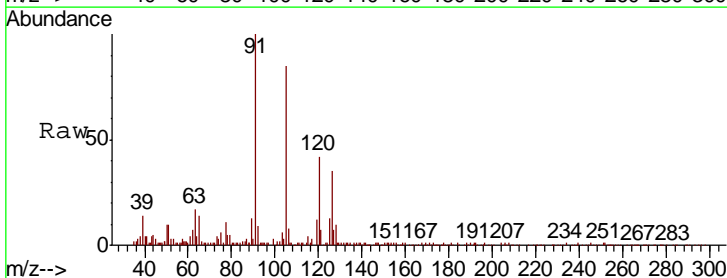
Manual Integrations
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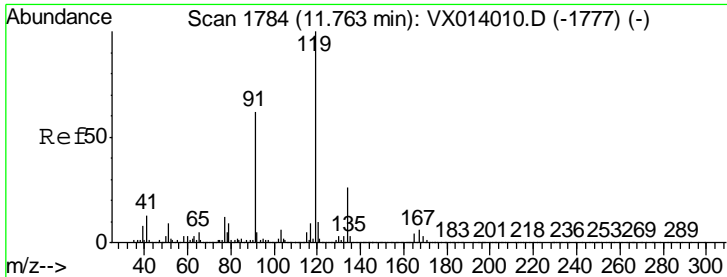
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#82
 4-Chlorotoluene
 Concen: 1.168 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
91	31365	100	100
126	32.5	15.6	46.8





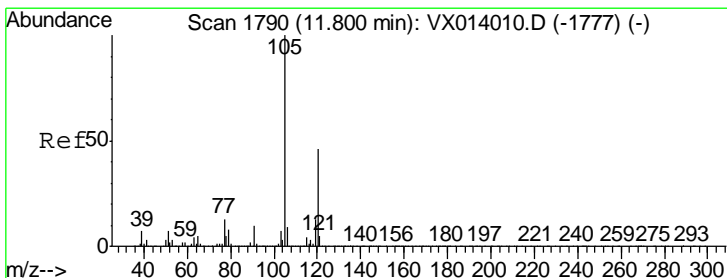
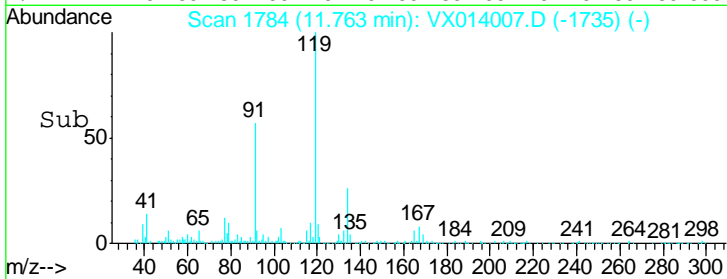
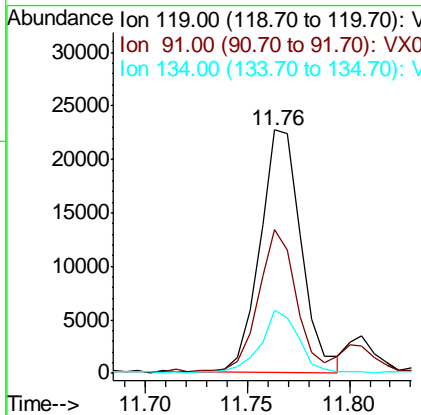
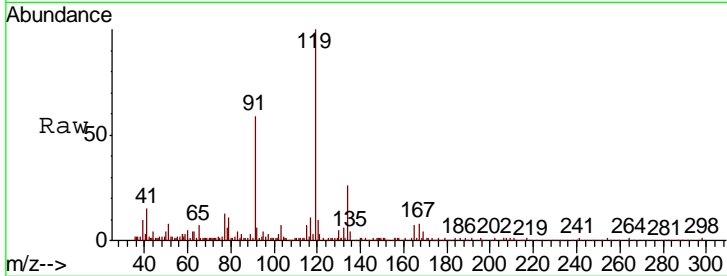
#83
 tert-Butylbenzene
 Concen: 1.119 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
119	32037		
91	53.2	28.5	85.6
134	24.0	12.2	36.6

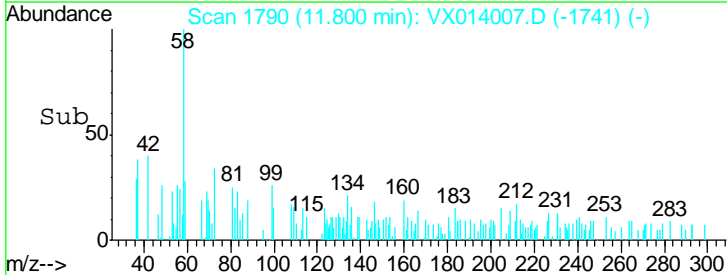
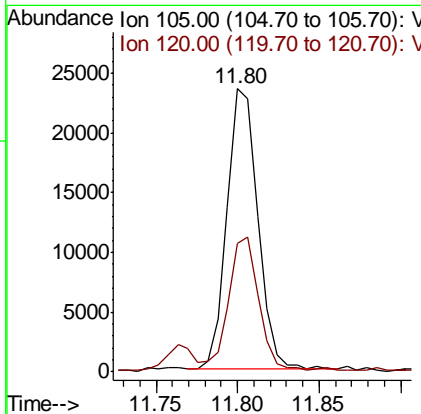
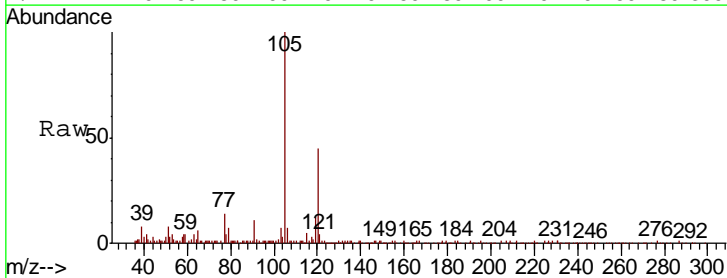
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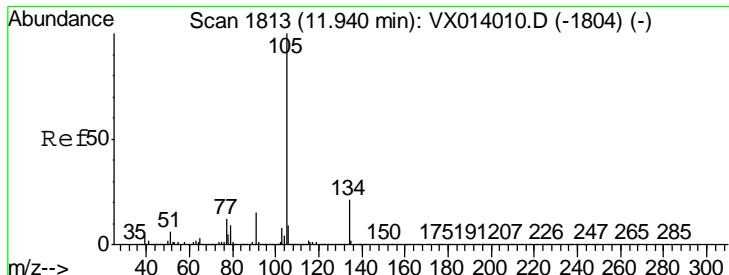
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#84
 1,2,4-Trimethylbenzene
 Concen: 1.075 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
105	30986		
120	45.7	23.1	69.2





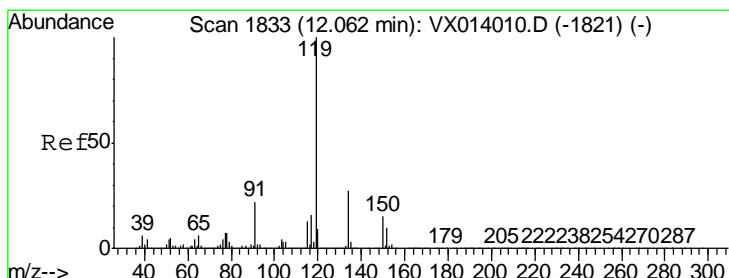
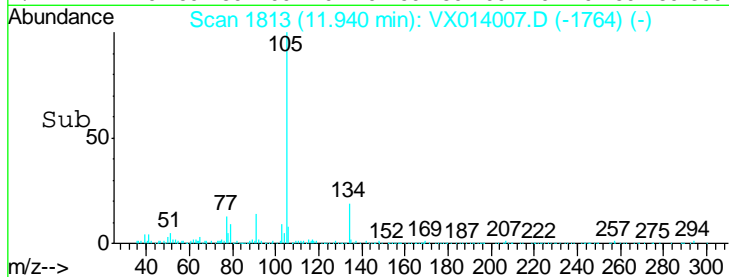
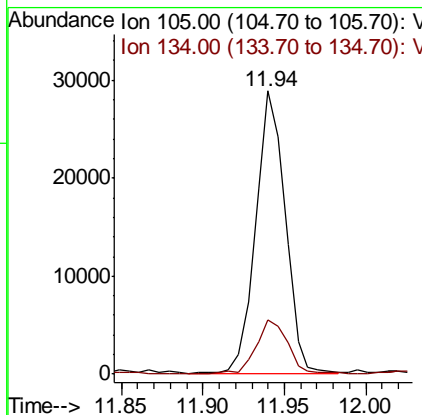
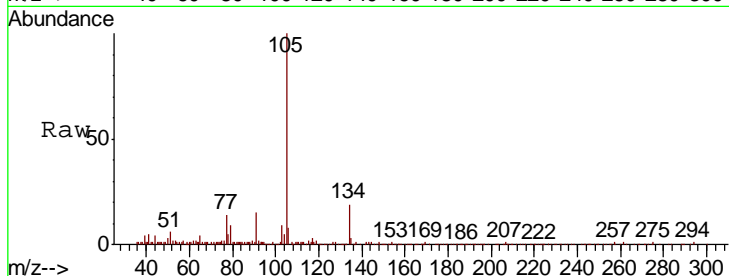
#85
 sec-Butylbenzene
 Concen: 1.107 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	36468		
105	100		
134	21.0	10.4	31.1

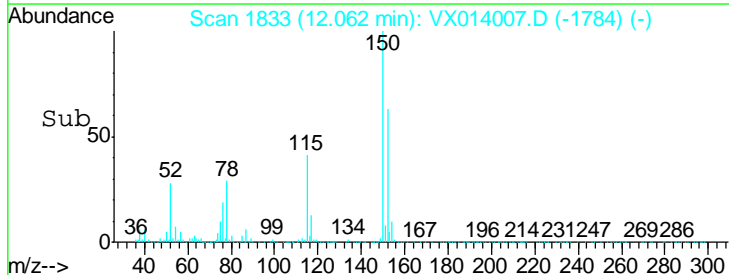
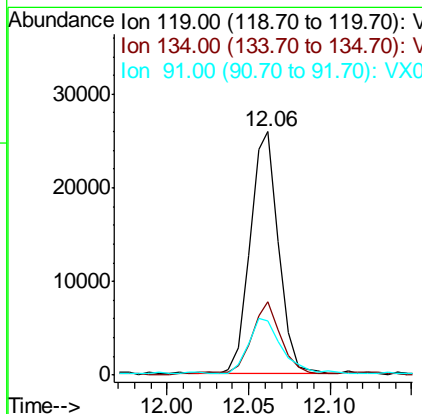
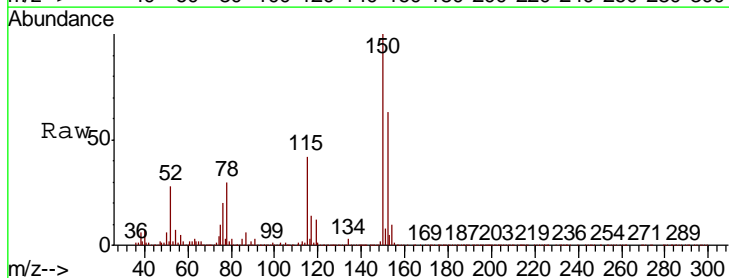
Manual Integrations
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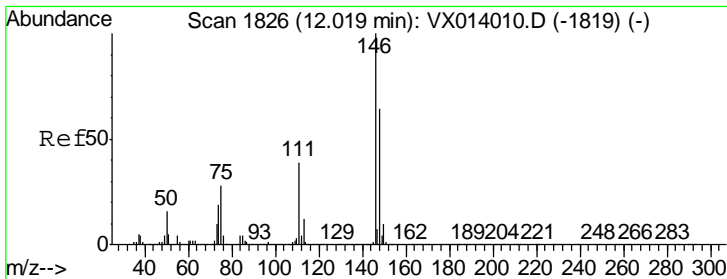
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#86
 p-Isopropyltoluene
 Concen: 1.029 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
119	31503		
119	100		
134	32.8	13.4	40.1
91	26.9	11.4	34.1





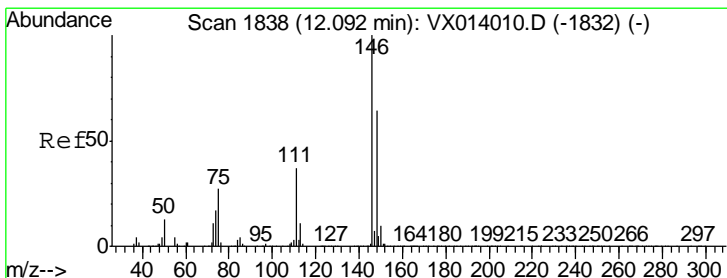
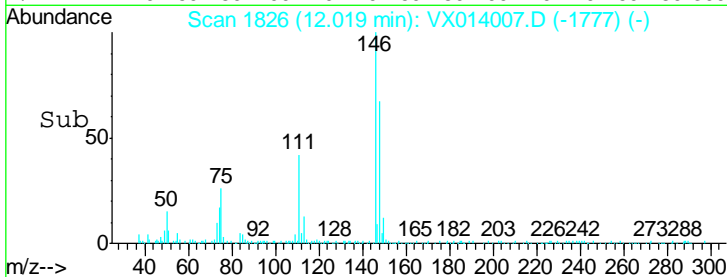
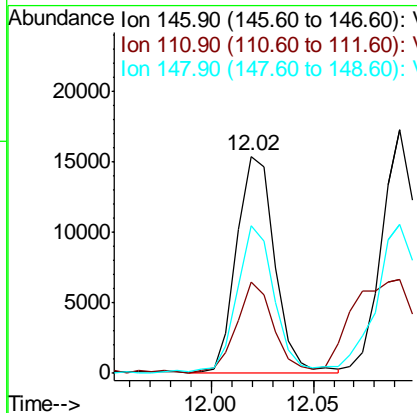
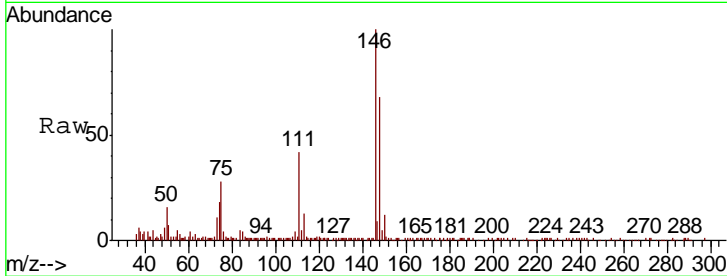
#87
 1,3-Dichlorobenzene
 Concen: 1.235 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.1	57.1
148	67.2	32.3	96.9

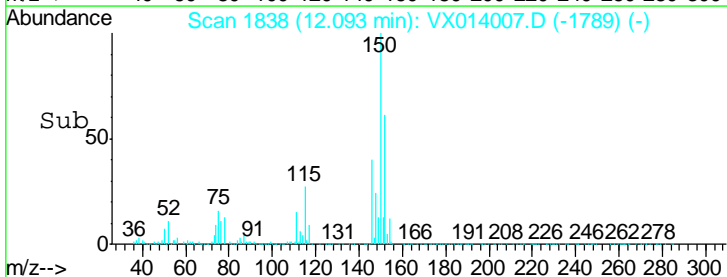
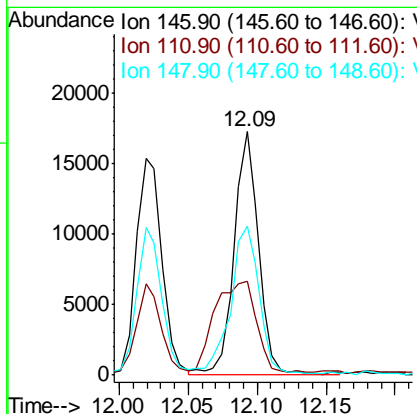
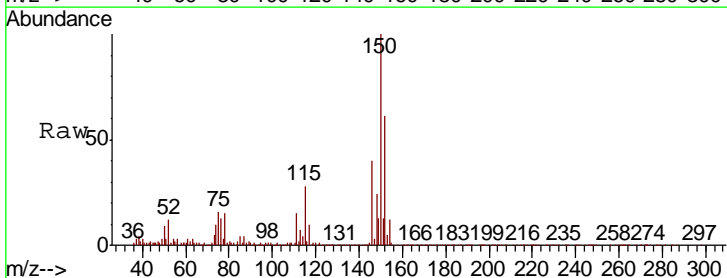
Manual Integrations
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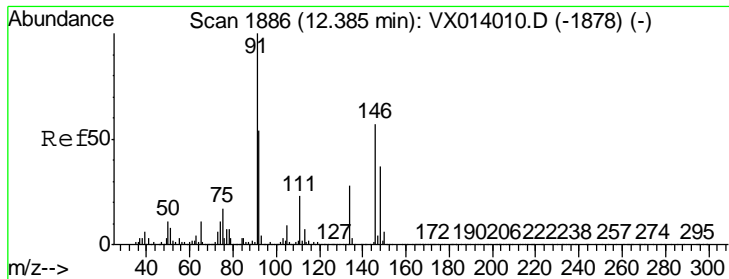
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#88
 1,4-Dichlorobenzene
 Concen: 1.305 ug/l m
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	62.4	31.9	95.9





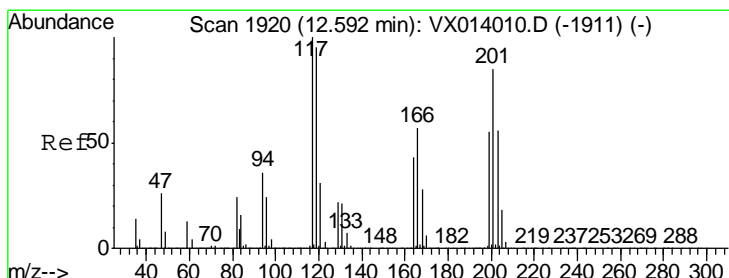
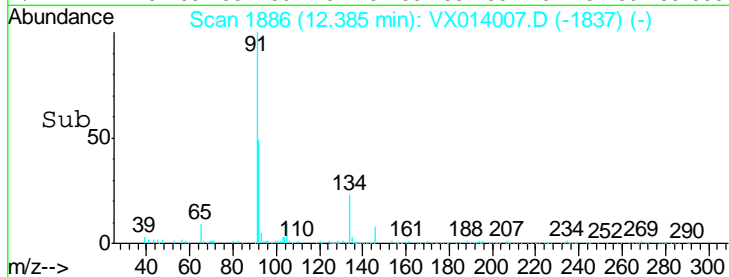
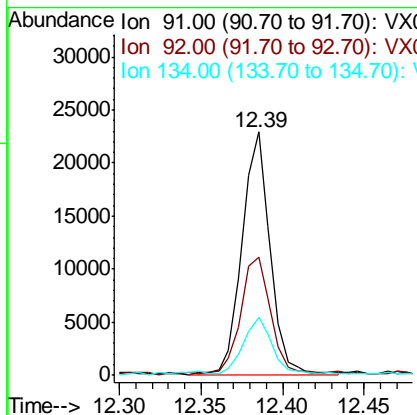
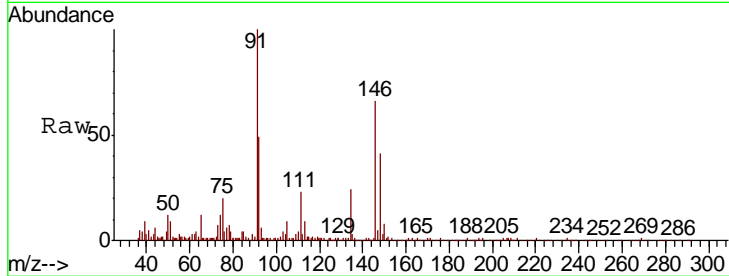
#89
 n-Butylbenzene
 Concen: 1.042 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	27243		
91	100		
92	52.3	27.2	81.6
134	23.9	13.4	40.1

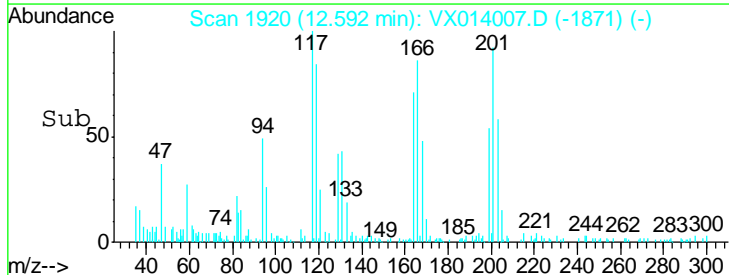
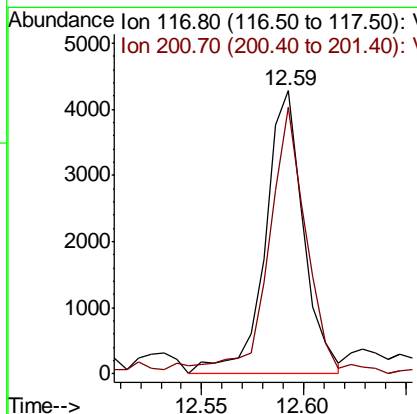
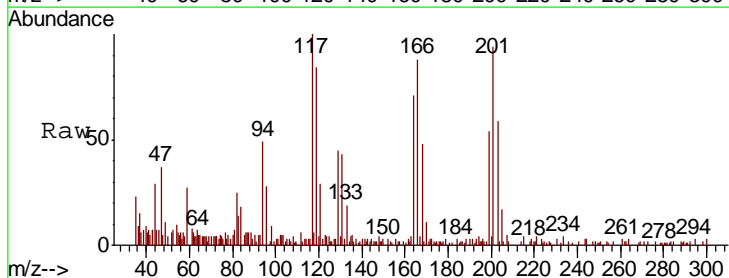
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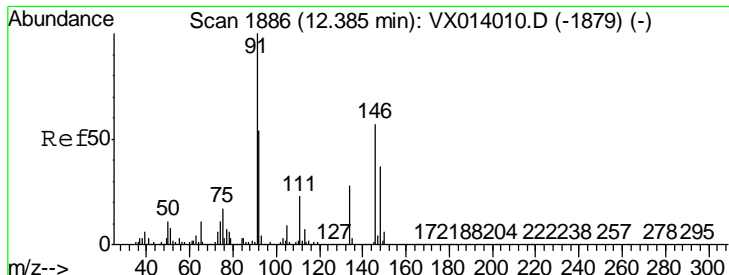
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#90
 Hexachloroethane
 Concen: 1.009 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
117	5598		
117	100		
201	95.1	43.1	129.3





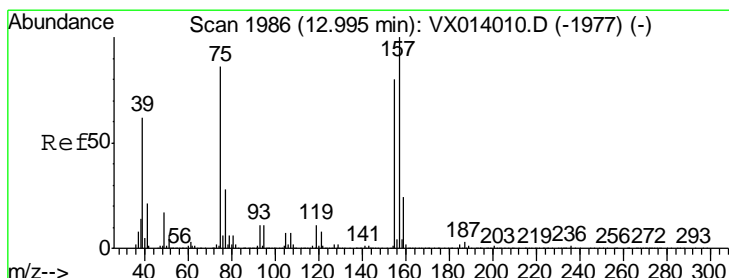
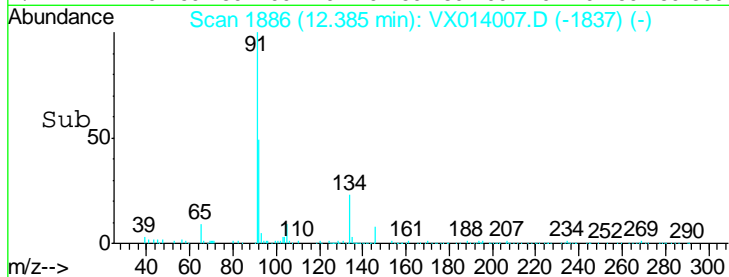
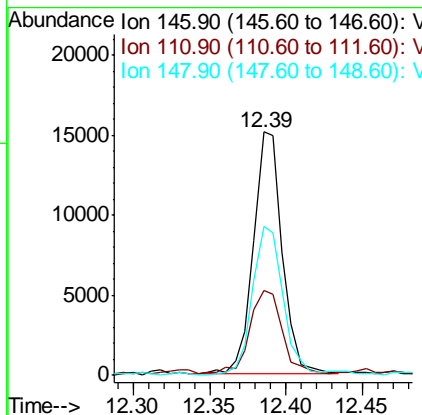
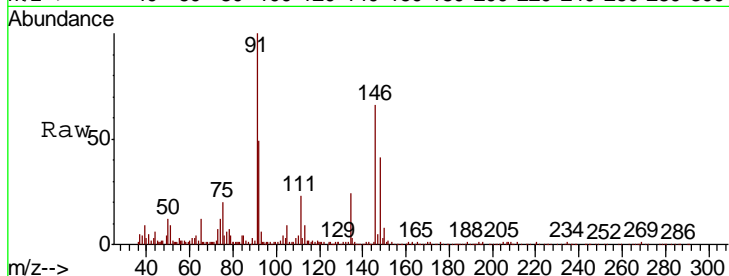
#91
 1,2-Dichlorobenzene
 Concen: 1.244 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
146	20057		
146	100		
111	38.9	19.7	59.1
148	64.8	32.1	96.5

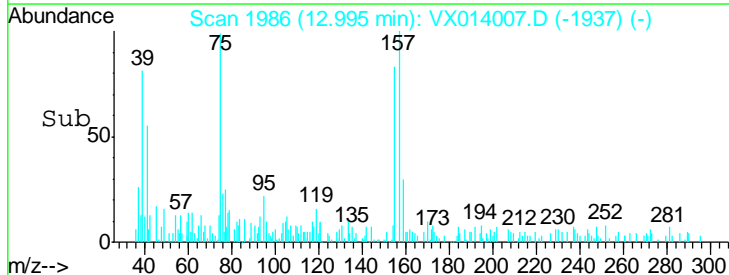
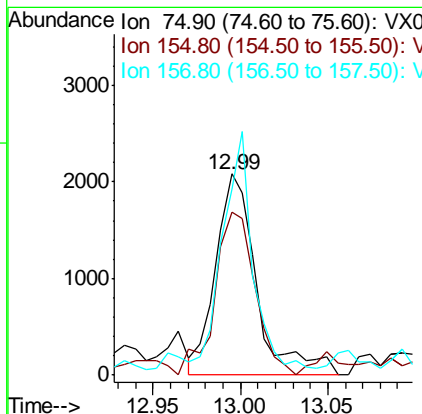
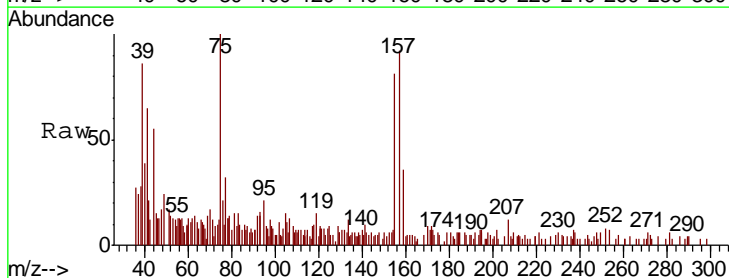
Manual Integrations
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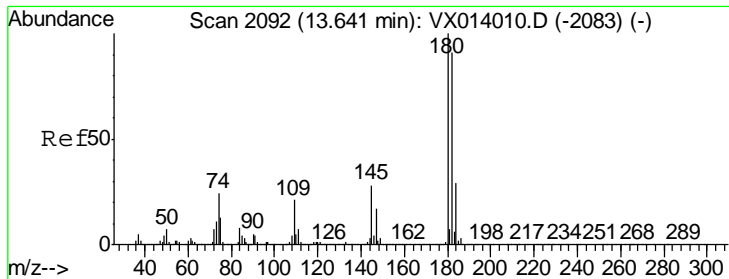
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.319 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
75	3404		
75	100		
155	79.1	46.9	140.6
157	91.3	60.8	182.4





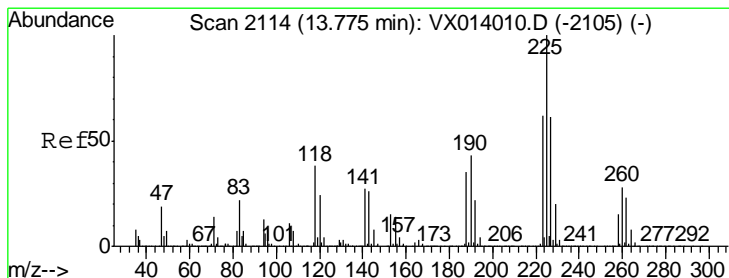
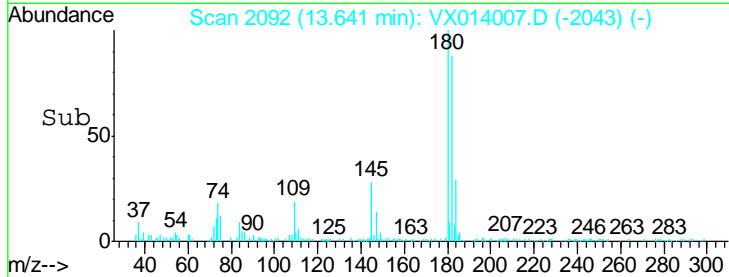
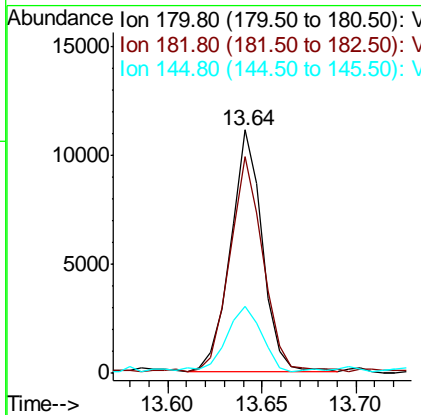
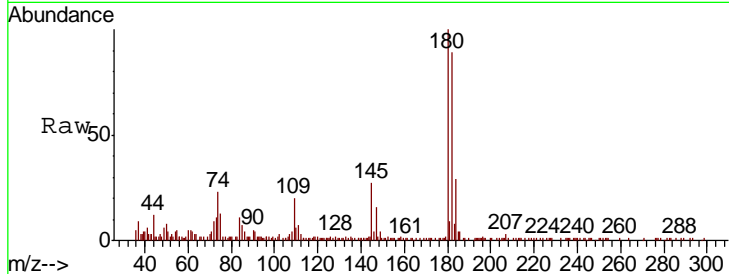
#93
 1,2,4-Trichlorobenzene
 Concen: 1.157 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
180	12885		
182	94.5	46.6	139.8
145	30.1	14.2	42.6

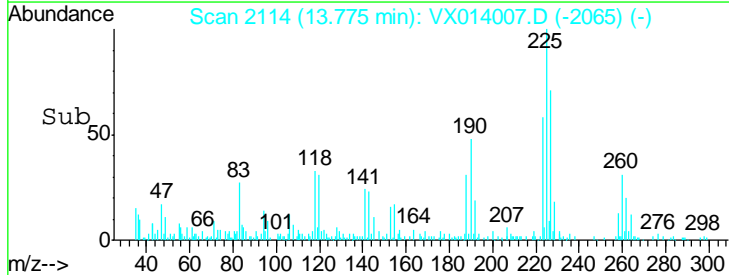
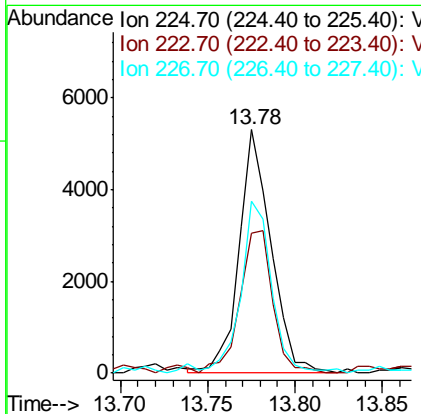
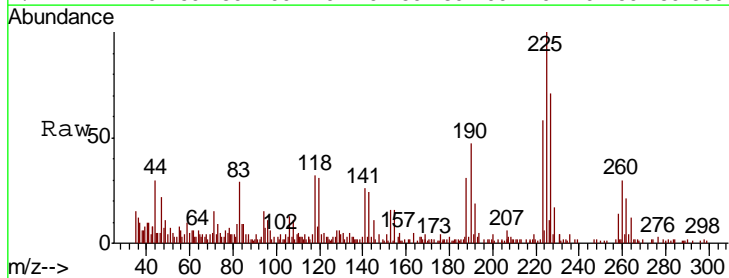
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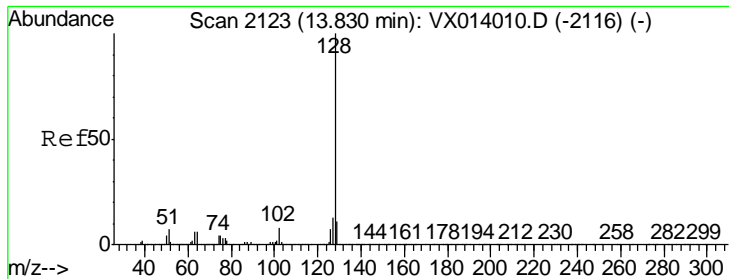
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#94
 Hexachlorobutadiene
 Concen: 1.251 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
225	6745		
223	60.5	30.9	92.5
227	69.8	30.9	92.7





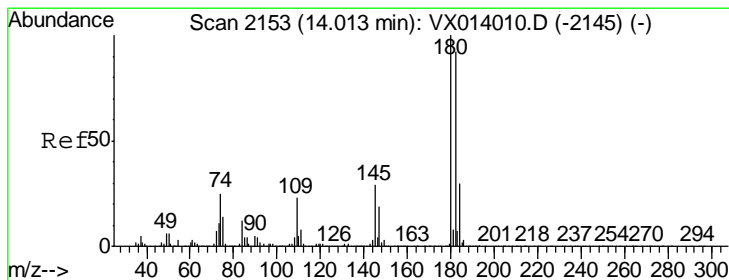
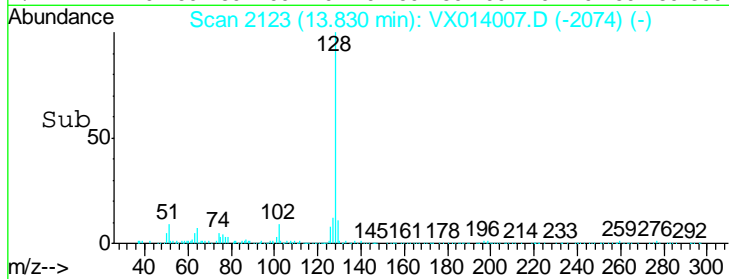
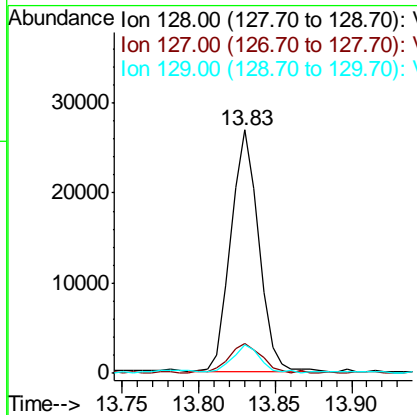
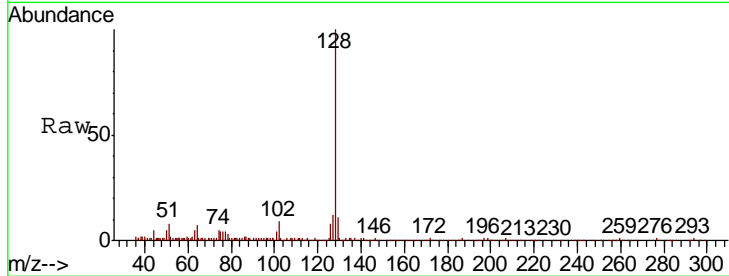
#95
 Naphthalene
 Concen: 1.032 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Instrument : MSVOA_X
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
128	34162		
127	15.3	10.2	15.4
129	10.9	8.7	13.1

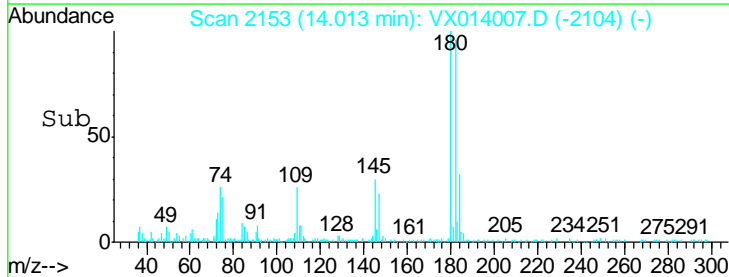
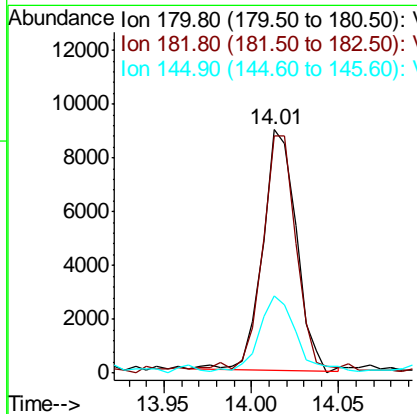
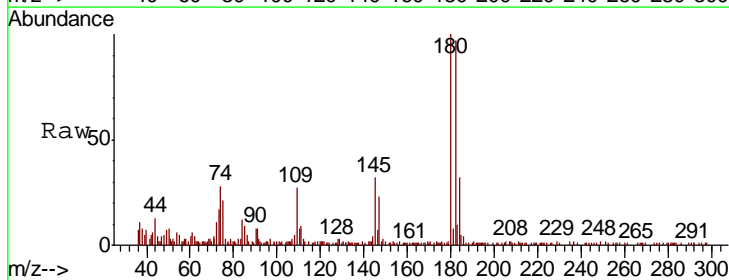
Manual Integrations
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#96
 1,2,3-Trichlorobenzene
 Concen: 1.082 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014007.D
 Acq: 13 Dec 2019 14:49

Tgt Ion	Resp	Lower	Upper
180	11992		
182	101.4	46.8	140.3
145	34.1	14.8	44.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121319\
 Data File : VX014008.D
 Acq On : 13 Dec 2019 15:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC005

Manual Integrations
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 12/16/2019 12:45:57 PM

Quant Time: Dec 13 16:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	545654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	828804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	741012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	367559	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	33805	5.33	ug/l	0.00
Spiked Amount						
			Recovery	=		10.66%
35) Dibromofluoromethane	5.49	113	26664	5.18	ug/l	0.00
Spiked Amount						
			Recovery	=		10.36%
50) Toluene-d8	8.71	98	102565	5.09	ug/l	0.00
Spiked Amount						
			Recovery	=		10.18%
62) 4-Bromofluorobenzene	11.14	95	36096	4.96	ug/l	0.00
Spiked Amount						
			Recovery	=		9.92%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	24364	4.177	ug/l	95
3) Chloromethane	1.32	50	32958	4.882	ug/l	98
4) Vinyl Chloride	1.40	62	33048	4.426	ug/l	96
5) Bromomethane	1.62	94	28015	5.484	ug/l	98
6) Chloroethane	1.70	64	22012	5.056	ug/l	90
7) Trichlorofluoromethane	1.91	101	41691	4.878	ug/l	97
8) Diethyl Ether	2.18	74	20281	5.251	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26670	5.131	ug/l	99
10) Methyl Iodide	2.50	142	23278	3.687	ug/l	# 93
11) Tert butyl alcohol	3.06	59	40816	26.858	ug/l	95
12) 1,1-Dichloroethene	2.36	96	26582	5.128	ug/l	97
13) Acrolein	2.28	56	18499	20.678	ug/l	97
14) Allyl chloride	2.72	41	44423	4.726	ug/l	92
15) Acrylonitrile	3.13	53	80244	25.111	ug/l	98
16) Acetone	2.44	43	90499	27.556	ug/l	99
17) Carbon Disulfide	2.56	76	73698	4.977	ug/l	100
18) Methyl Acetate	2.76	43	38611	4.546	ug/l	94
19) Methyl tert-butyl Ether	3.19	73	85734	4.983	ug/l	99
20) Methylene Chloride	2.84	84	32935	5.469	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	29051	5.135	ug/l	98
22) Diisopropyl ether	3.84	45	94564	5.200	ug/l	93
23) Vinyl Acetate	3.80	43	382949	25.363	ug/l	99
24) 1,1-Dichloroethane	3.69	63	51625	5.193	ug/l	98
25) 2-Butanone	4.67	43	122725	26.185	ug/l	99
26) 2,2-Dichloropropane	4.57	77	37559	4.585	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	31265	4.815	ug/l	93
28) Bromochloromethane	5.01	49	12112	3.451	ug/l	92
29) Tetrahydrofuran	5.12	42	67887	24.029	ug/l	95
30) Chloroform	5.20	83	48299	4.800	ug/l	95
31) Cyclohexane	5.56	56	46374	4.935	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	40943	4.872	ug/l	99
36) 1,1-Dichloropropene	5.79	75	37031	4.919	ug/l	98
37) Ethyl Acetate	4.83	43	41790	4.976	ug/l	99
38) Carbon Tetrachloride	5.77	117	32620	4.697	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014008.D
 Acq On : 13 Dec 2019 15:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Manual Integrations
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 12/16/2019 12:45:57 PM

Quant Time: Dec 13 16:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	44709	4.796	ug/l	98
40) Benzene	6.13	78	117634	5.119	ug/l	98
41) Methacrylonitrile	5.04	41	21299	4.646	ug/l #	58
42) 1,2-Dichloroethane	6.19	62	41725	5.333	ug/l	97
43) Isopropyl Acetate	6.43	43	68104	4.909	ug/l	97
44) Trichloroethene	7.20	130	32022	5.096	ug/l	93
45) 1,2-Dichloropropane	7.51	63	30292	5.259	ug/l	100
46) Dibromomethane	7.65	93	18520	4.751	ug/l	95
47) Bromodichloromethane	7.89	83	34707	4.711	ug/l	96
48) Methyl methacrylate	7.76	41	31789	4.726	ug/l	95
49) 1,4-Dioxane	7.74	88	15607	105.356	ug/l #	88
51) 4-Methyl-2-Pentanone	8.64	43	225793	25.920	ug/l	97
52) Toluene	8.78	92	73375	5.133	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	35229	4.203	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	41221	4.498	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	28600	4.972	ug/l	97
56) Ethyl methacrylate	9.17	69	43557	4.702	ug/l	99
57) 1,3-Dichloropropane	9.37	76	49837	5.020	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	86243	23.748	ug/l	99
59) 2-Hexanone	9.49	43	174409	25.443	ug/l	98
60) Dibromochloromethane	9.57	129	26591	4.470	ug/l	99
61) 1,2-Dibromoethane	9.67	107	28498	4.644	ug/l	92
64) Tetrachloroethene	9.33	164	30947	5.412	ug/l	98
65) Chlorobenzene	10.14	112	79345	5.128	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	26889	4.854	ug/l	98
67) Ethyl Benzene	10.25	91	133408	5.024	ug/l	97
68) m/p-Xylenes	10.36	106	102703	10.088	ug/l	98
69) o-Xylene	10.70	106	51045	5.141	ug/l	99
70) Styrene	10.71	104	79726	4.760	ug/l	95
71) Bromoform	10.85	173	19246	4.212	ug/l #	100
73) Isopropylbenzene	11.01	105	131468	5.092	ug/l	99
74) N-amyl acetate	10.89	43	58191	4.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	46256	5.175	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	41405m	5.030	ug/l	
77) Bromobenzene	11.25	156	35322	5.076	ug/l	98
78) n-propylbenzene	11.35	91	138951	4.813	ug/l	100
79) 2-Chlorotoluene	11.42	91	87285	5.026	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	107560	5.069	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	11240	3.743	ug/l #	80
82) 4-Chlorotoluene	11.51	91	100237	4.999	ug/l	99
83) tert-Butylbenzene	11.77	119	107592	5.033	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	107624	5.001	ug/l	100
85) sec-Butylbenzene	11.94	105	121785	4.950	ug/l	99
86) p-Isopropyltoluene	12.06	119	112360	4.916	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	61034	5.022	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	62413	5.035	ug/l	95
89) n-Butylbenzene	12.39	91	87635	4.490	ug/l	99
90) Hexachloroethane	12.59	117	18579	4.485	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	63473	5.270	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	9746	5.056	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014008.D
 Acq On : 13 Dec 2019 15:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Manual Integrations
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Quant Time: Dec 13 16:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	36670	4.408	ug/l	97
94) Hexachlorobutadiene	13.78	225	18145	4.507	ug/l	96
95) Naphthalene	13.83	128	104752	4.239	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	37168	4.492	ug/l	98

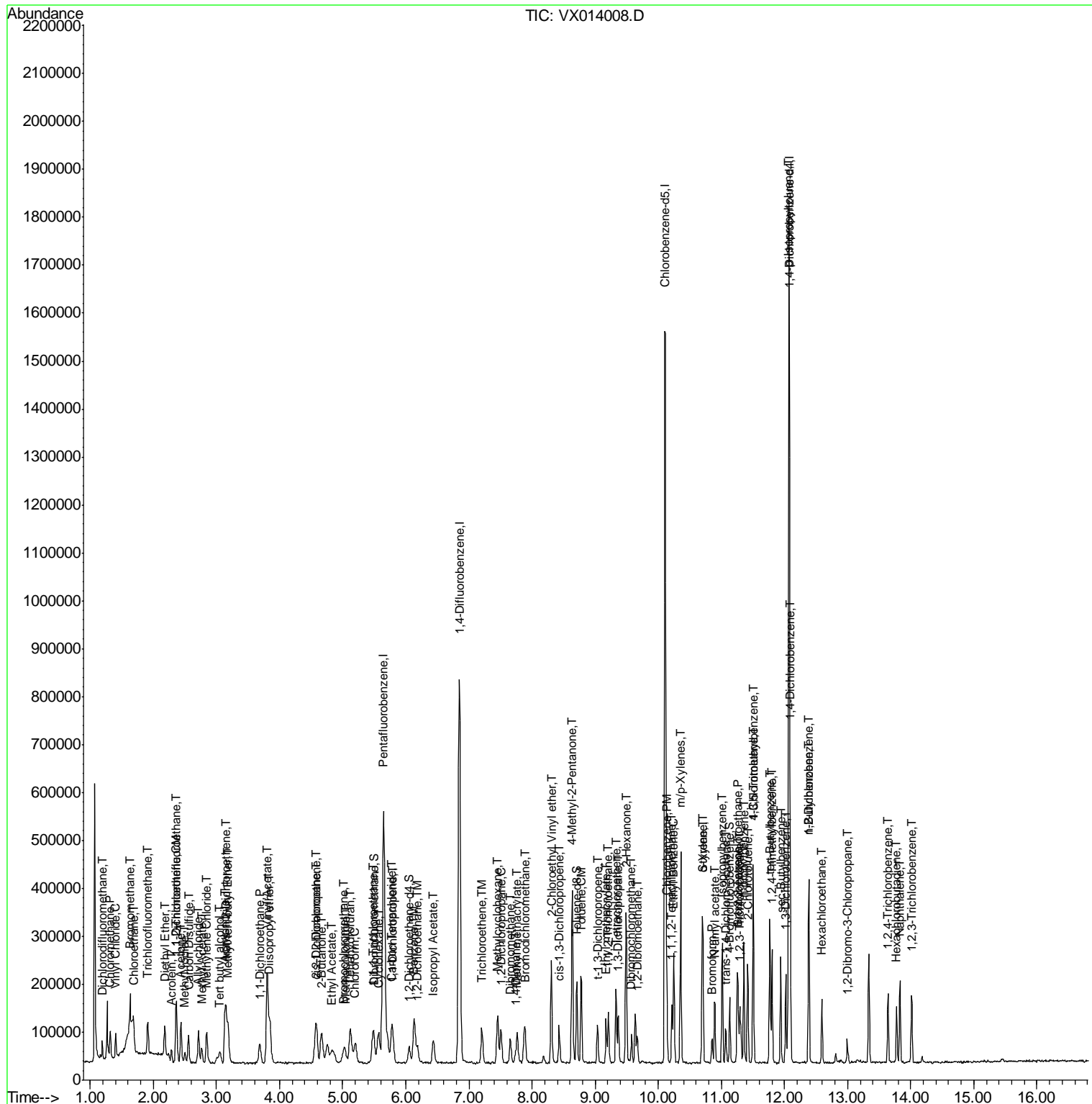
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014008.D
 Acq On : 13 Dec 2019 15:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

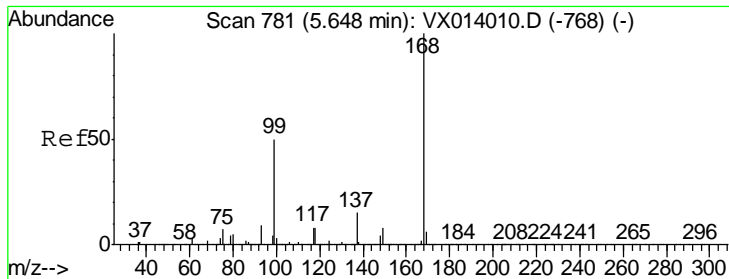
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC005

Manual Integrations
 APPROVED
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Quant Time: Dec 13 16:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration



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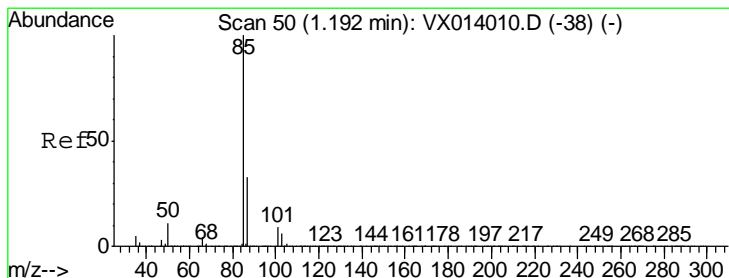
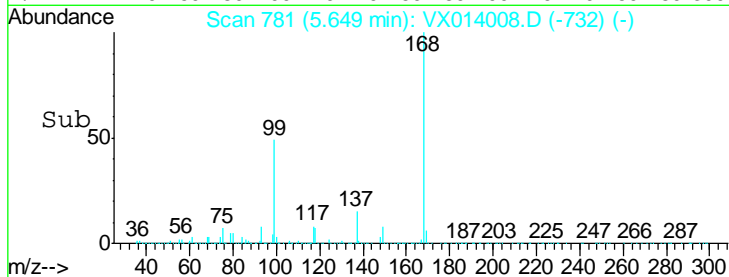
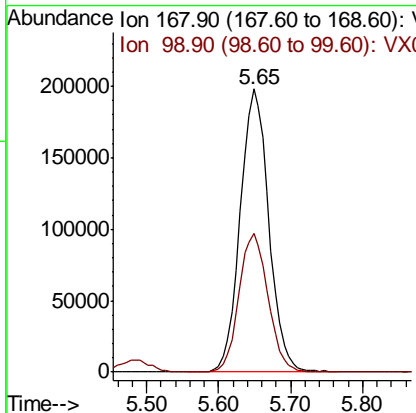
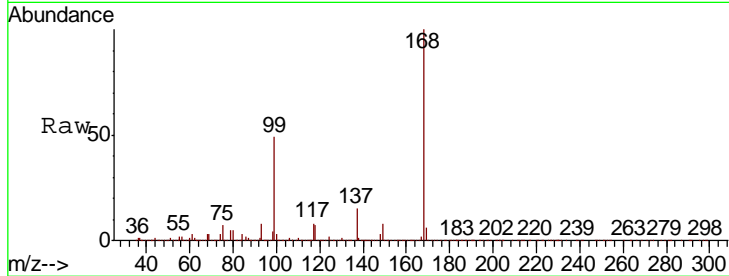


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.1	40.3	60.5

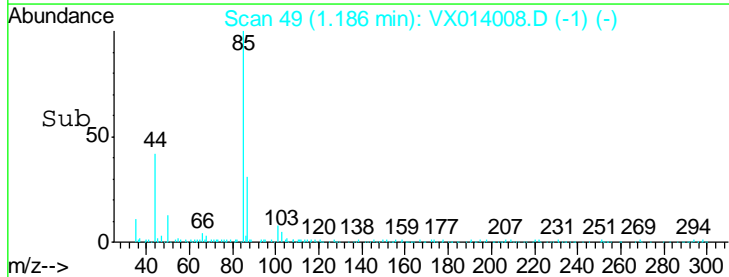
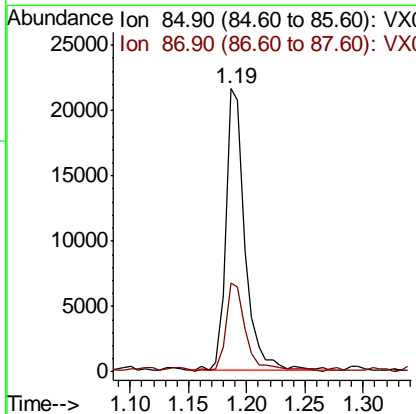
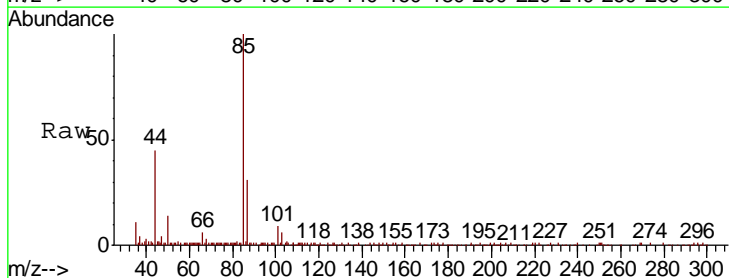
Instrument : MSVOA_X
 Client Sampled : VSTDIC005

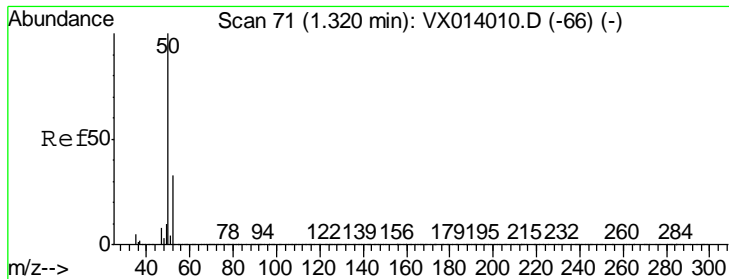
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#2
 Dichlorodifluoromethane
 Concen: 4.177 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.2	16.4	49.2





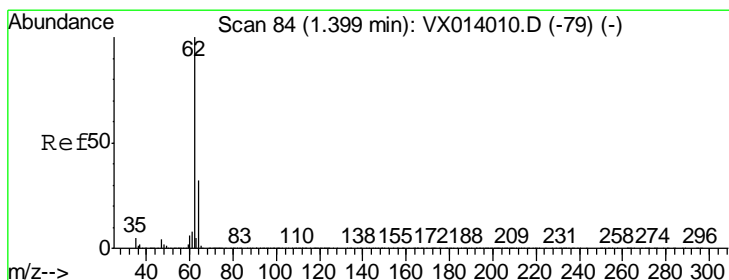
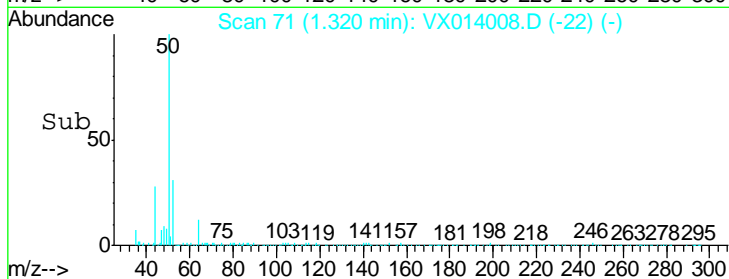
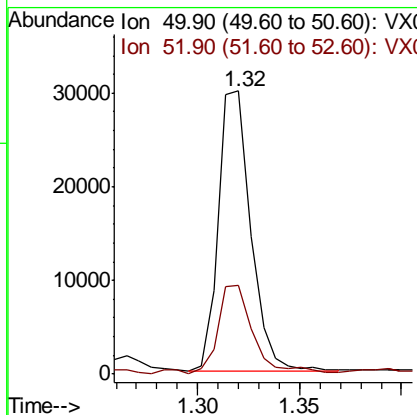
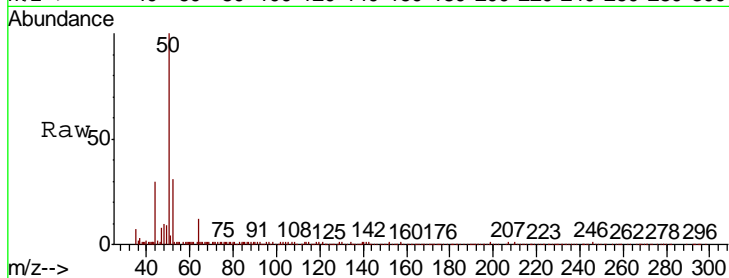
#3
 Chloromethane
 Concen: 4.882 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
50	32958		
52	31.7	26.2	39.4

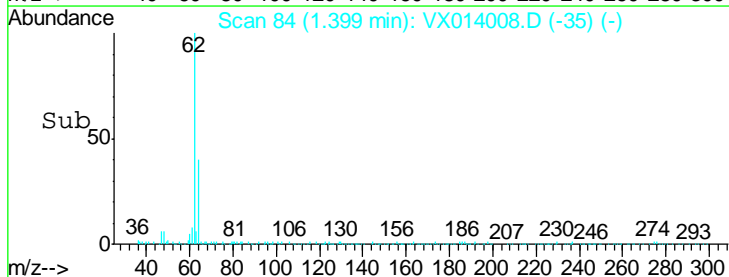
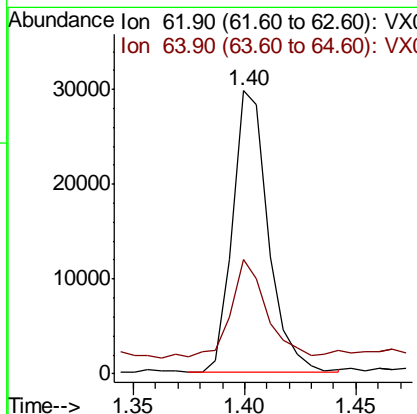
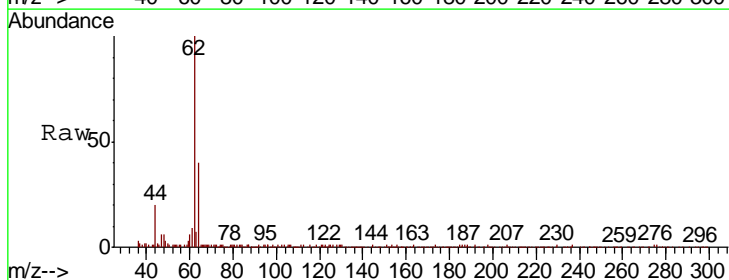
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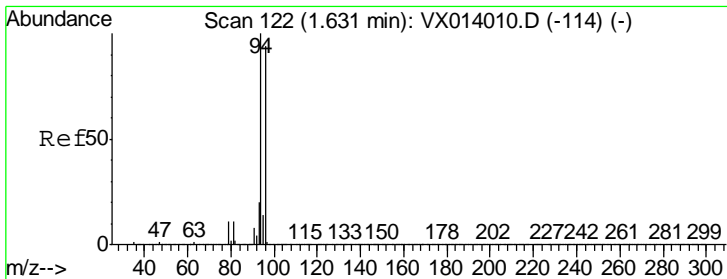
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#4
 Vinyl Chloride
 Concen: 4.426 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
62	33048		
64	34.4	25.7	38.5





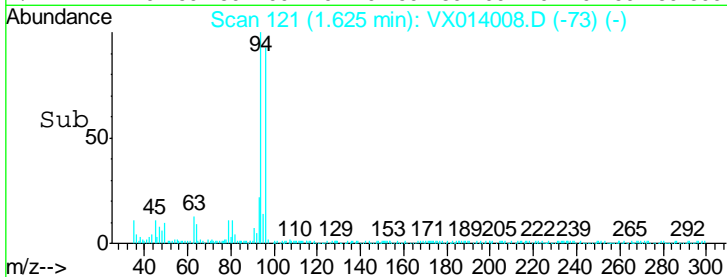
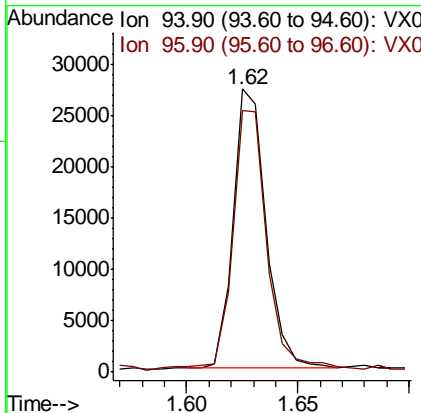
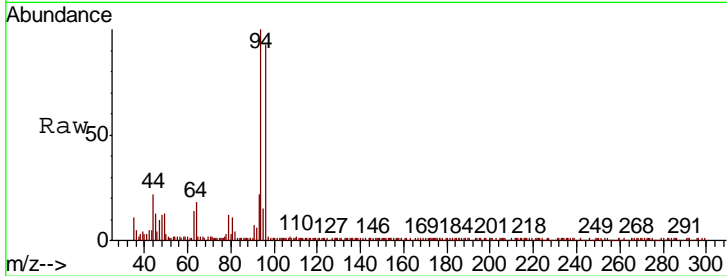
#5
 Bromomethane
 Concen: 5.484 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
94	28015		
94	100		
96	91.9	75.2	112.8

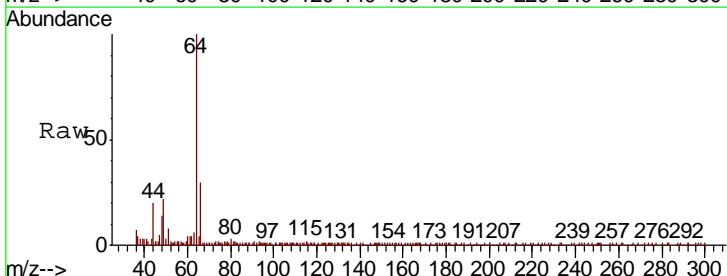
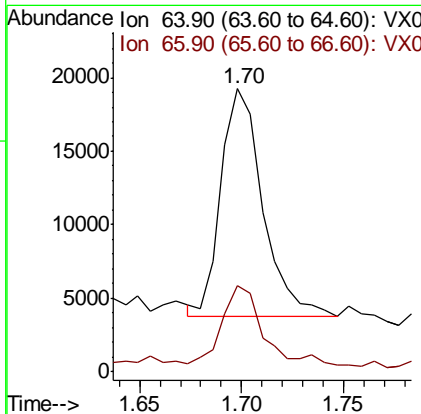
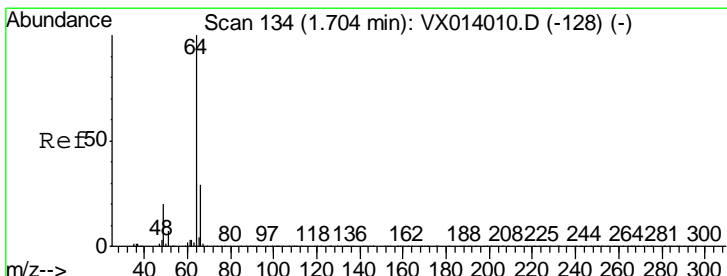
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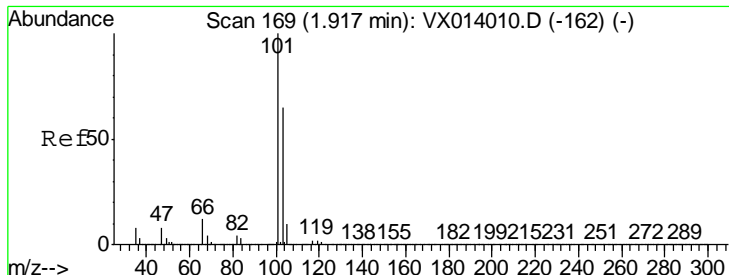
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#6
 Chloroethane
 Concen: 5.056 ug/l
 RT: 1.70 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
64	22012		
64	100		
66	34.5	23.4	35.2





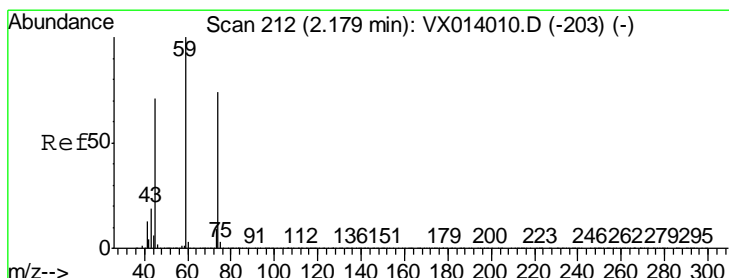
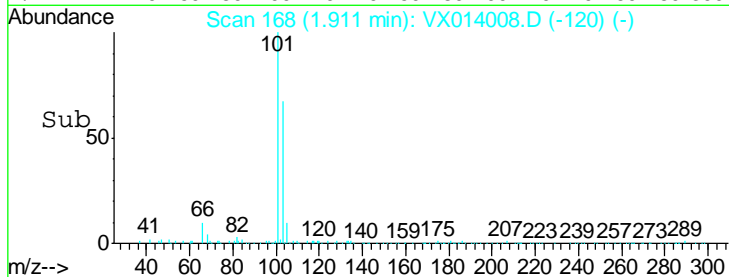
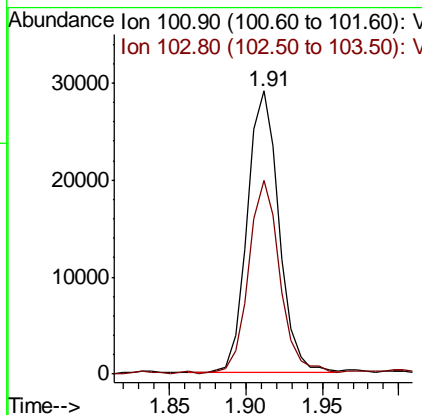
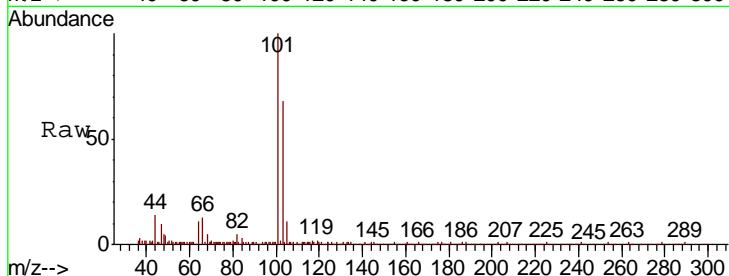
#7
 Trichlorofluoromethane
 Concen: 4.878 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	41691		
103	67.8	52.2	78.4

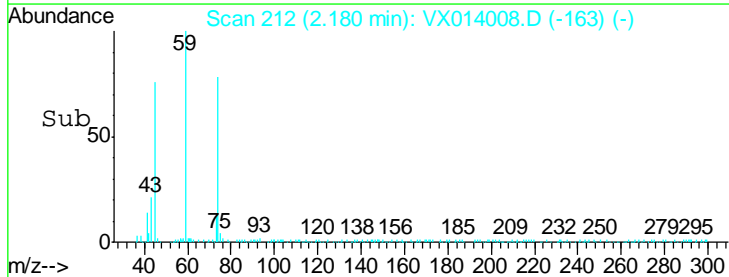
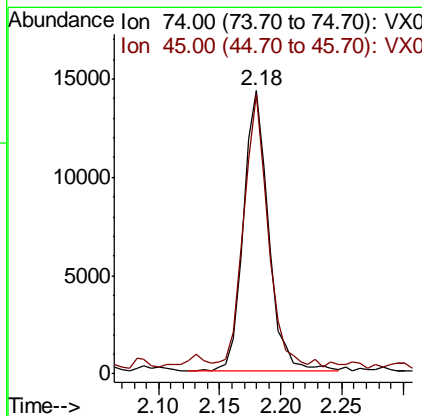
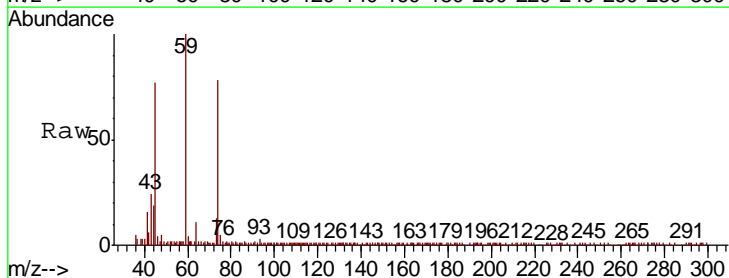
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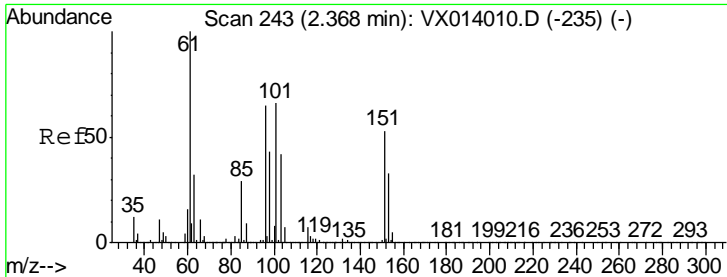
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#8
 Diethyl Ether
 Concen: 5.251 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
74	20281		
45	91.2	48.1	144.3





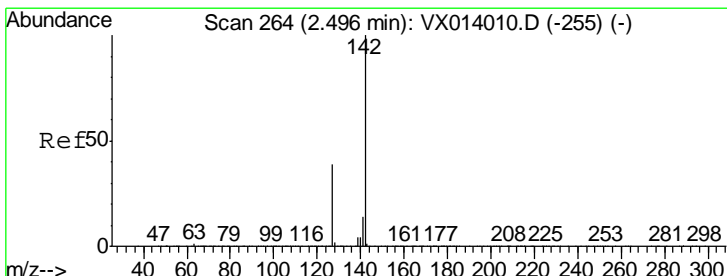
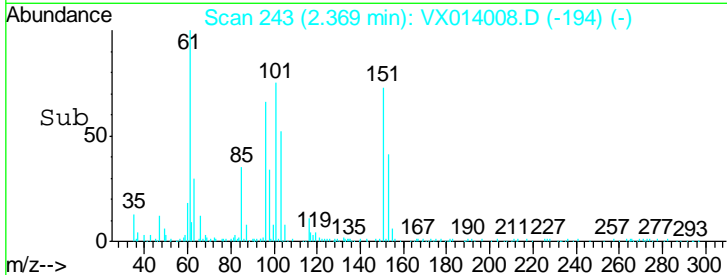
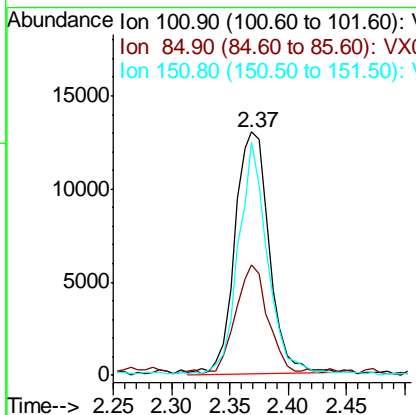
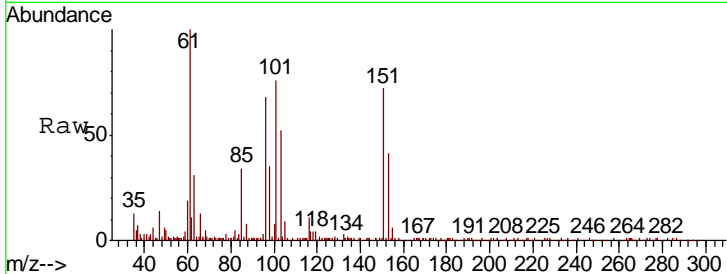
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.131 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VX014008.D
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	26670		
101	100		
85	41.8	33.7	50.5
151	82.3	64.5	96.7

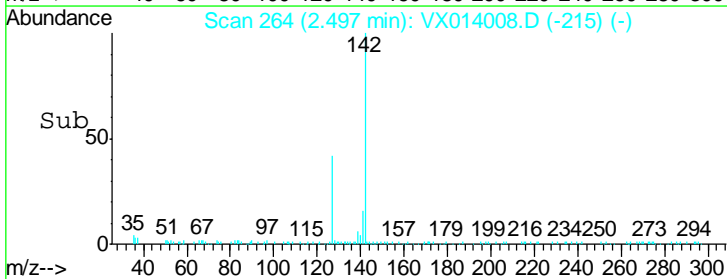
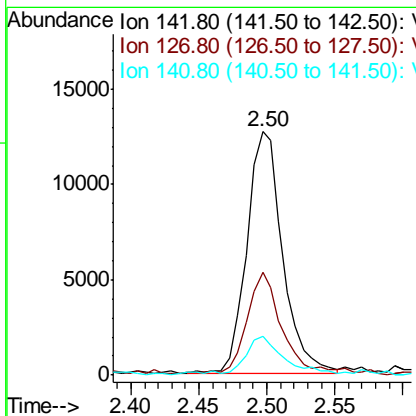
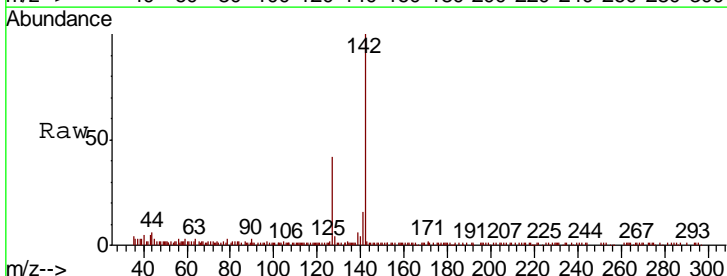
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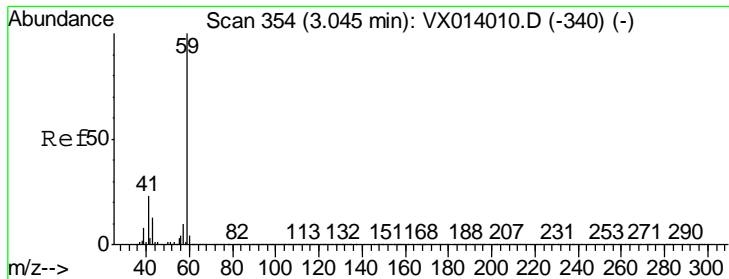
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#10
 Methyl Iodide
 Concen: 3.687 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
142	23278		
142	100		
127	42.8	31.6	47.4
141	18.8	11.6	17.4#





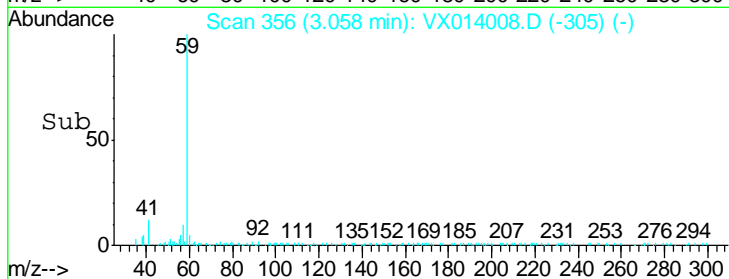
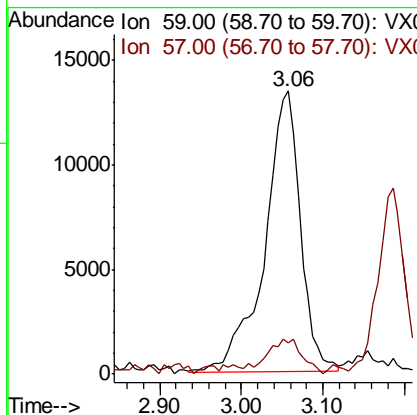
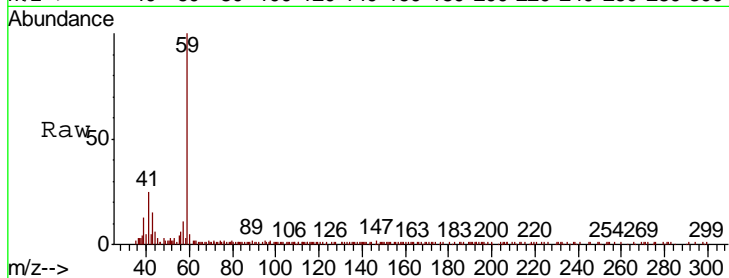
#11
 Tert butyl alcohol
 Concen: 26.858 ug/l
 RT: 3.06 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
59	40816		
57	12.5	8.4	12.6

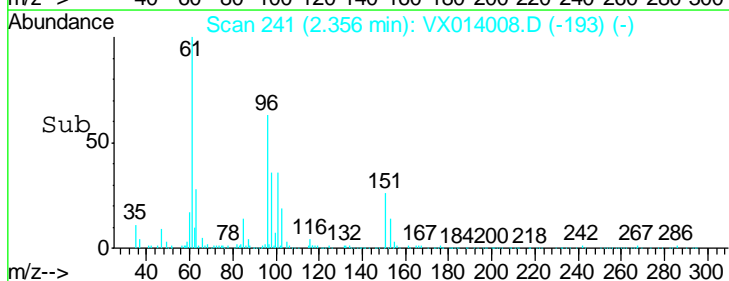
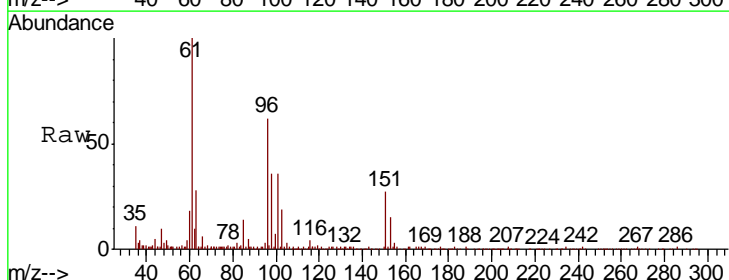
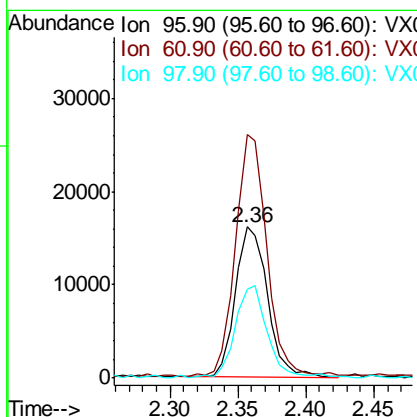
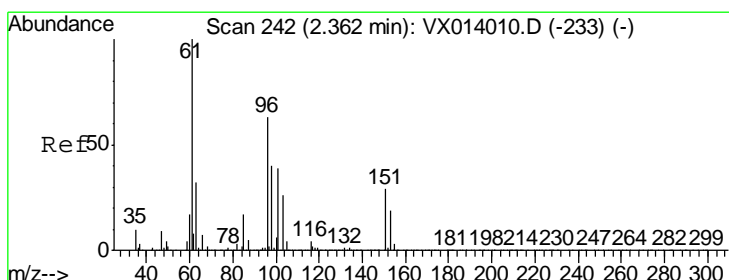
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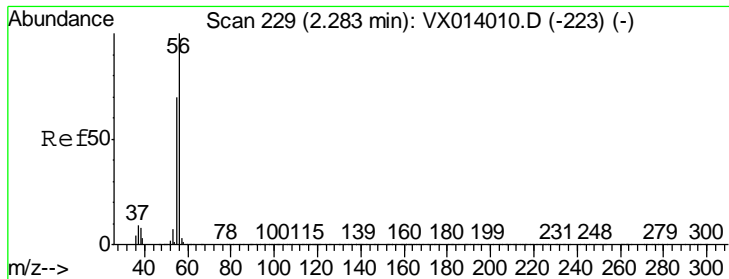
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#12
 1,1-Dichloroethene
 Concen: 5.128 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
96	26582		
61	161.5	127.9	191.9
98	58.4	50.5	75.7





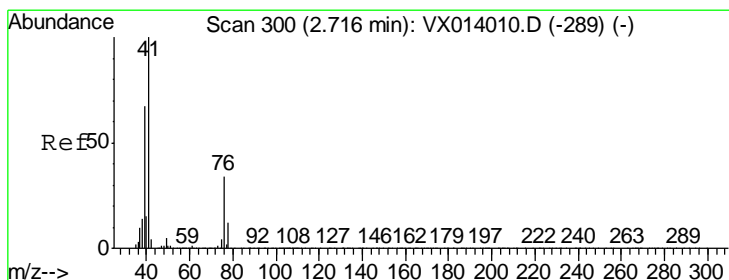
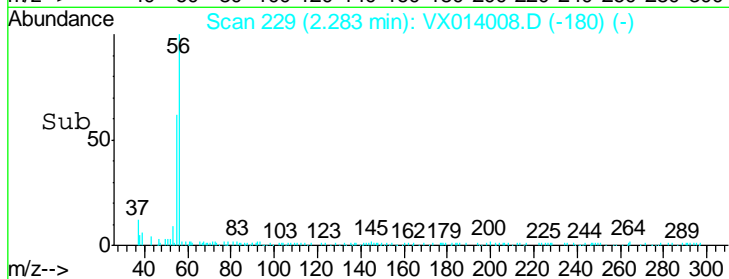
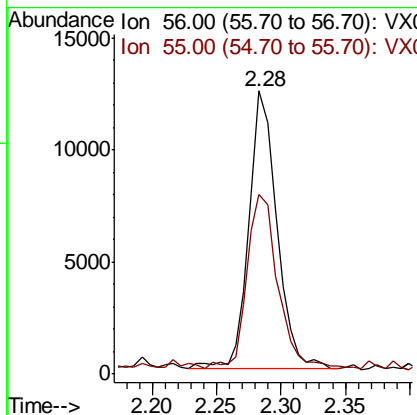
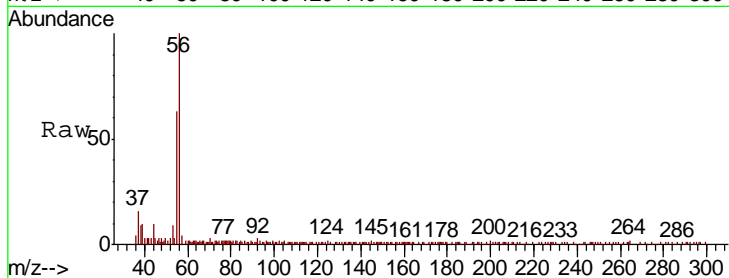
#13
 Acrolein
 Concen: 20.678 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	18499		
55	68.6	56.9	85.3

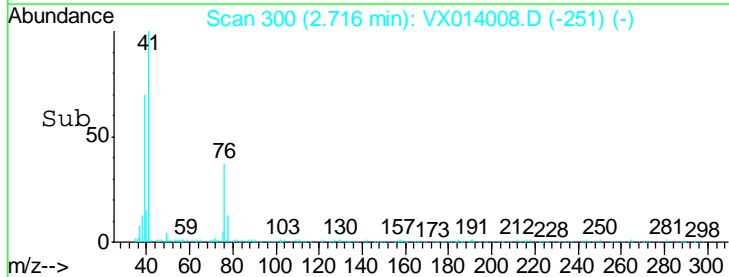
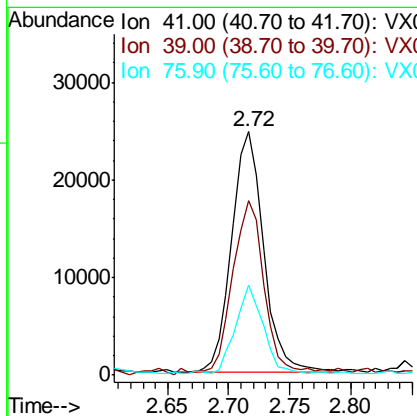
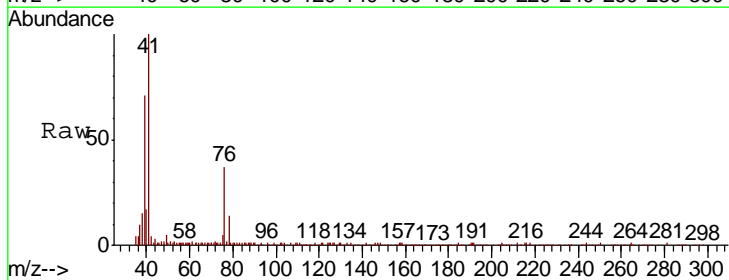
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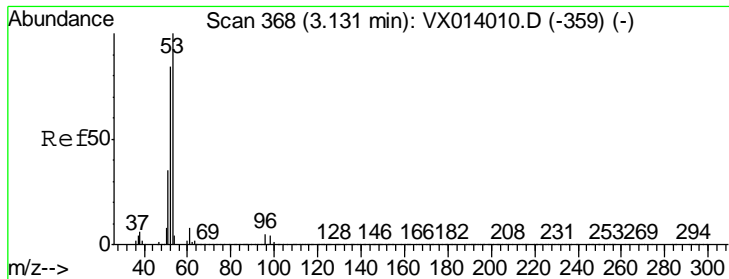
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#14
 Allyl chloride
 Concen: 4.726 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
41	44423		
39	74.3	51.8	77.8
76	31.8	25.9	38.9





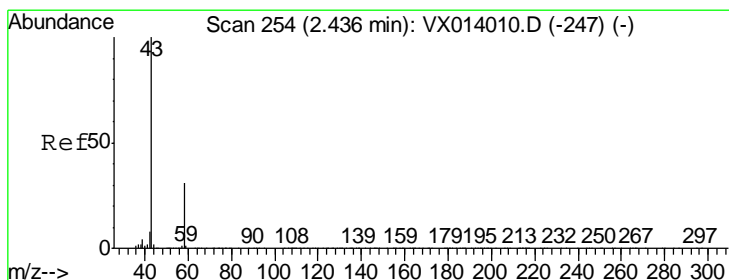
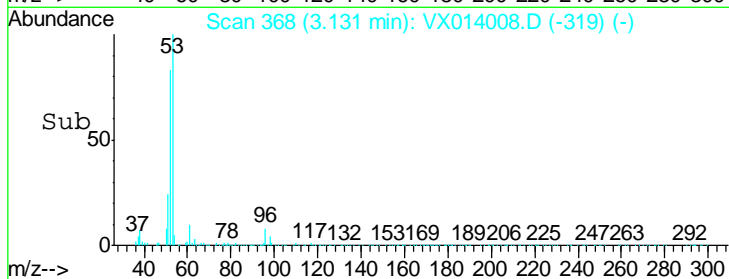
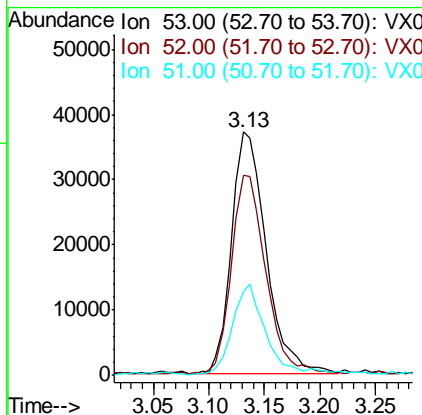
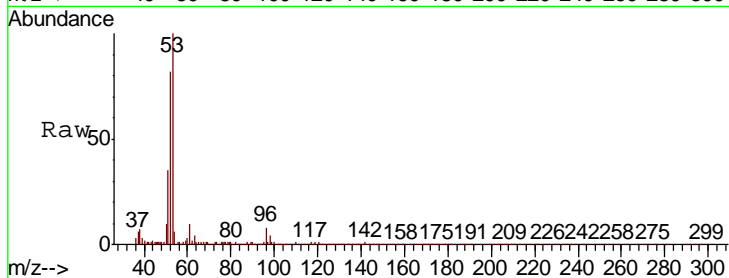
#15
 Acrylonitrile
 Concen: 25.111 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
53	100		
52	80.8	66.5	99.7
51	35.0	28.1	42.1

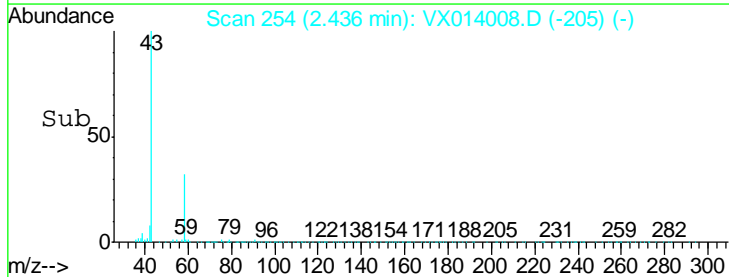
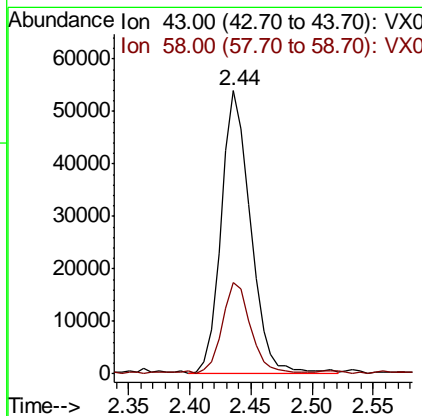
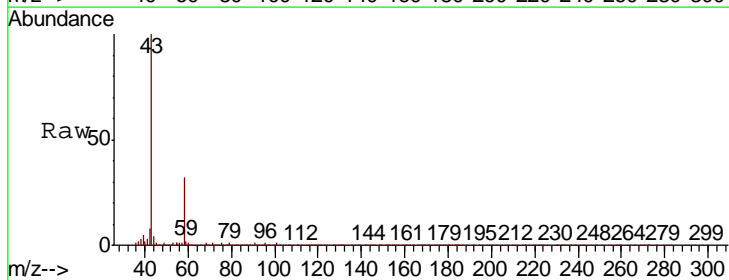
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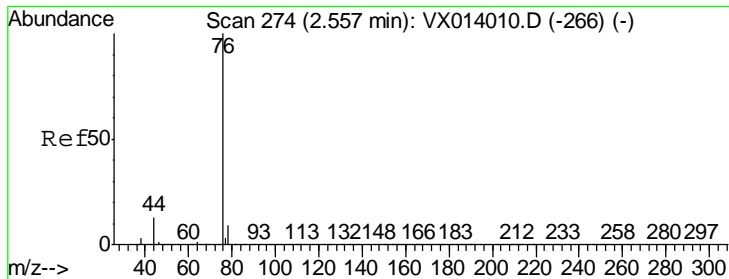
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#16
 Acetone
 Concen: 27.556 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.4	24.9	37.3





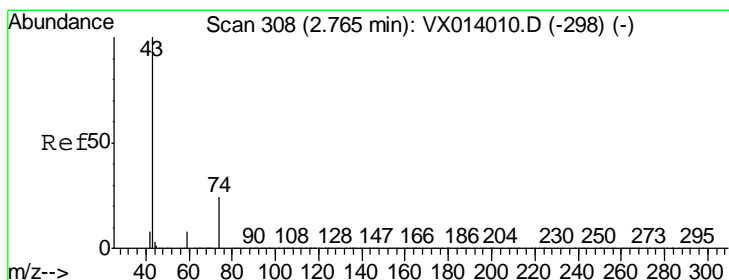
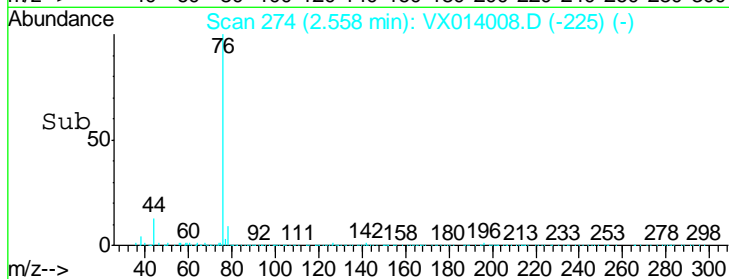
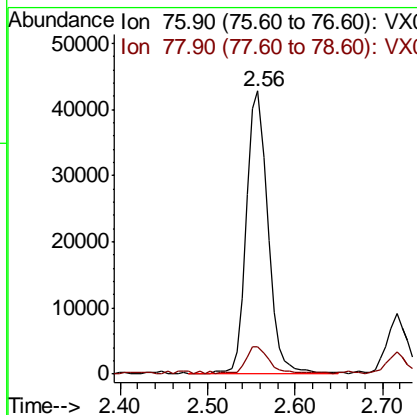
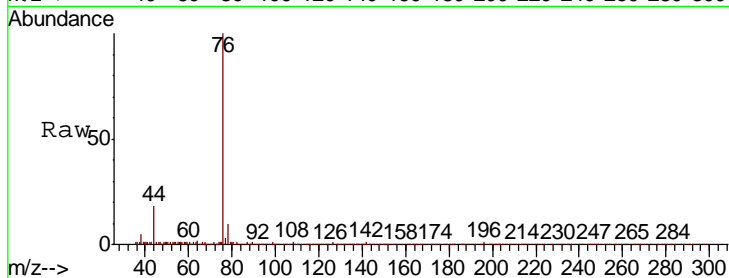
#17
 Carbon Disulfide
 Concen: 4.977 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	73698		
76	100		
78	9.1	7.2	10.8

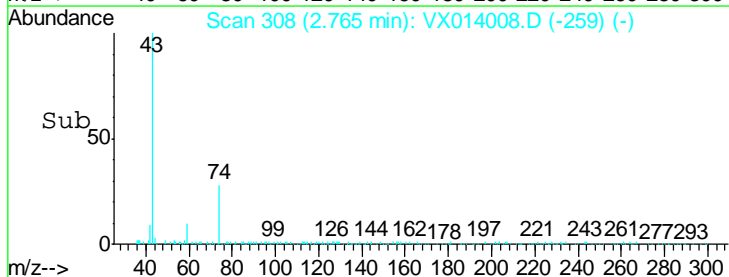
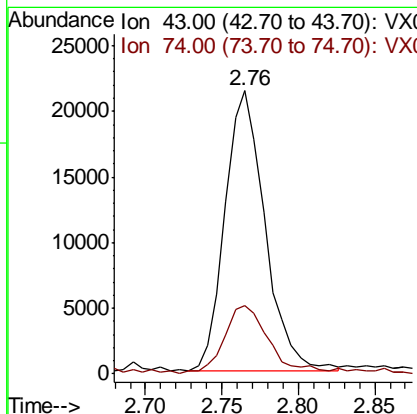
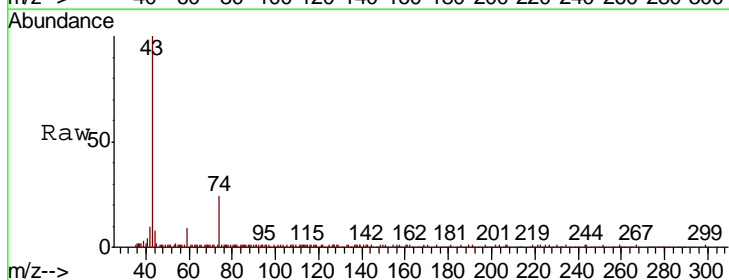
Manual Integrations
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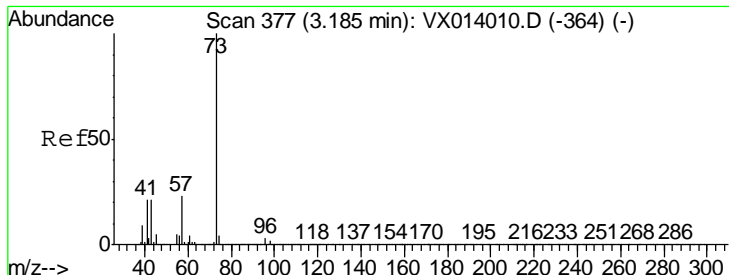
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#18
 Methyl Acetate
 Concen: 4.546 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
43	38611		
43	100		
74	27.5	19.5	29.3





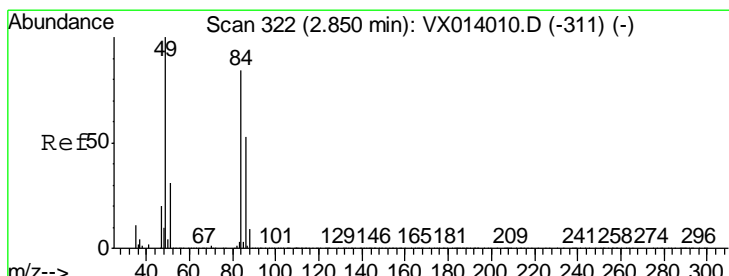
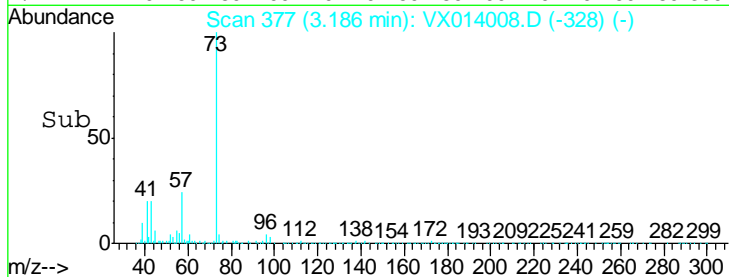
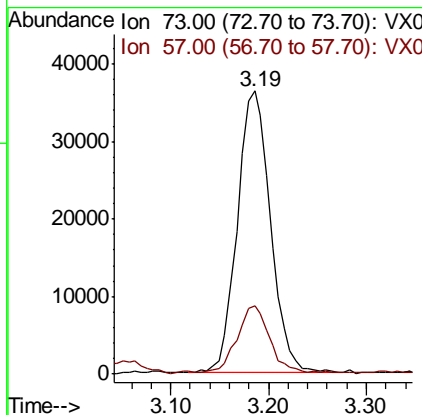
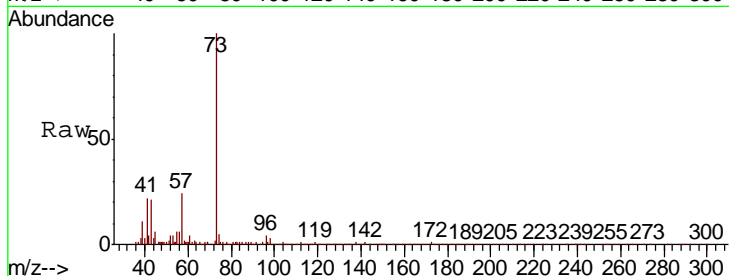
#19
Methyl tert-butyl Ether
Concen: 4.983 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
73	100		
57	23.9	18.8	28.2

Instrument : MSVOA_X
Client Sampled : VSTDIC005

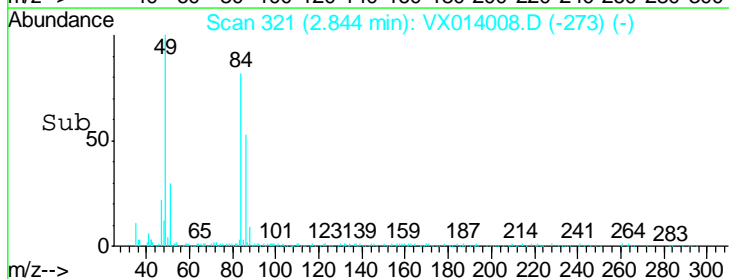
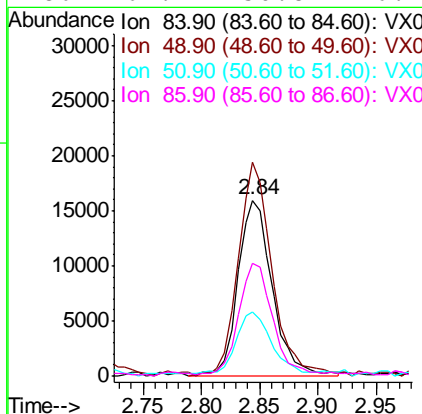
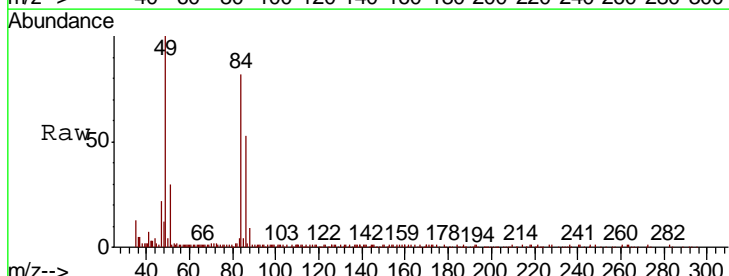
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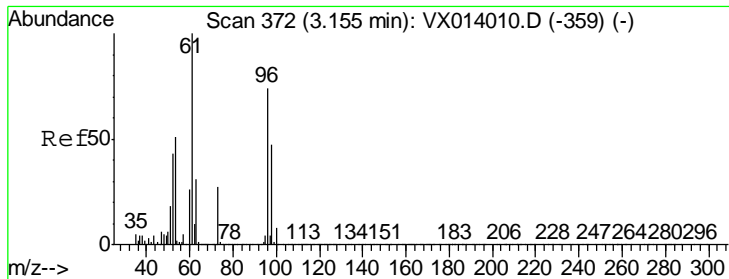
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#20
Methylene Chloride
Concen: 5.469 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
84	100		
49	119.8	95.8	143.6
51	35.6	29.8	44.8
86	62.7	50.8	76.2





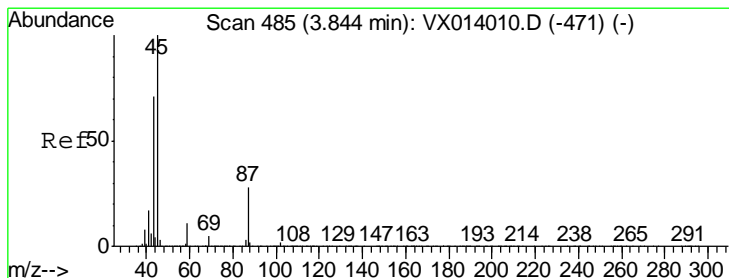
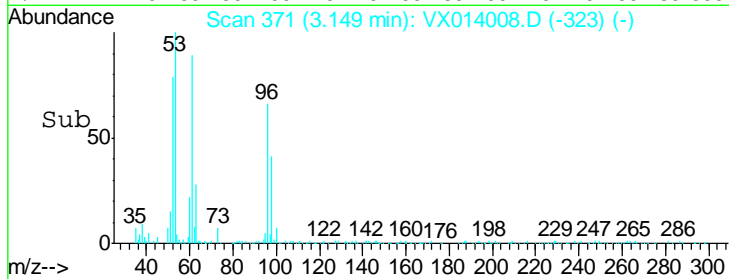
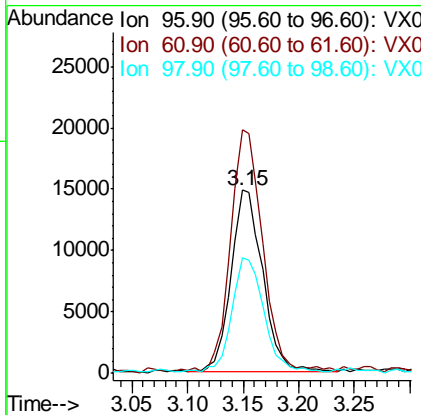
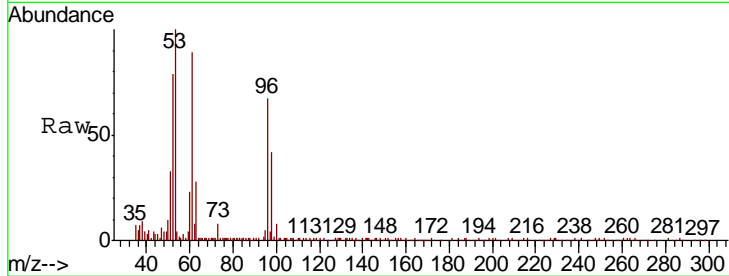
#21
 trans-1,2-Dichloroethene
 Concen: 5.135 ug/l
 RT: 3.15 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VX014008.D
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	29051		
61	133.0	108.3	162.5
98	61.9	50.8	76.2

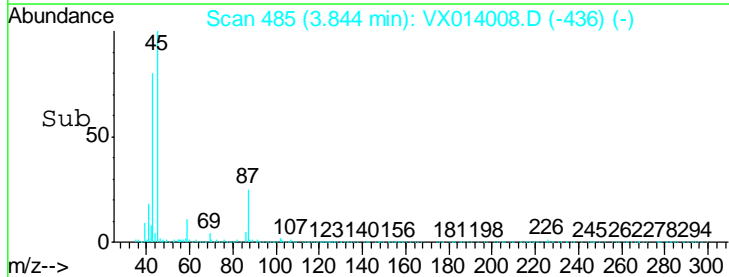
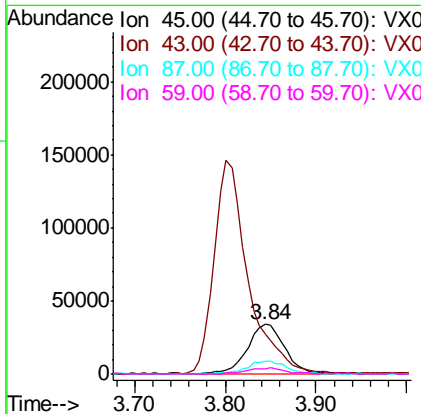
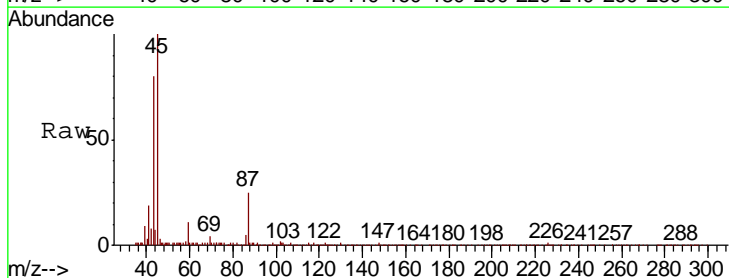
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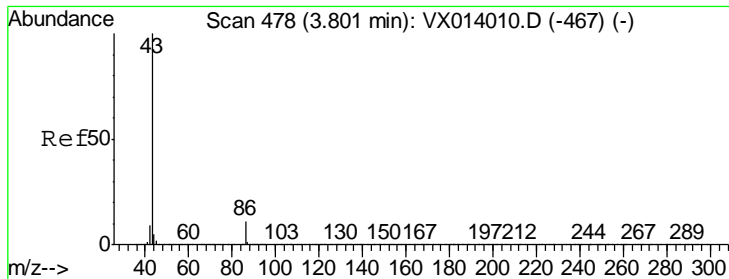
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#22
 Diisopropyl ether
 Concen: 5.200 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
45	94564		
43	78.6	57.4	86.0
87	25.1	21.9	32.9
59	10.4	9.0	13.6





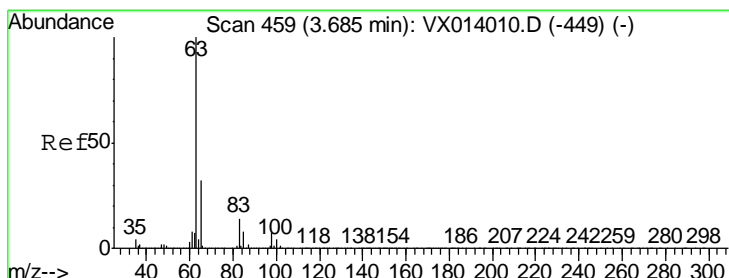
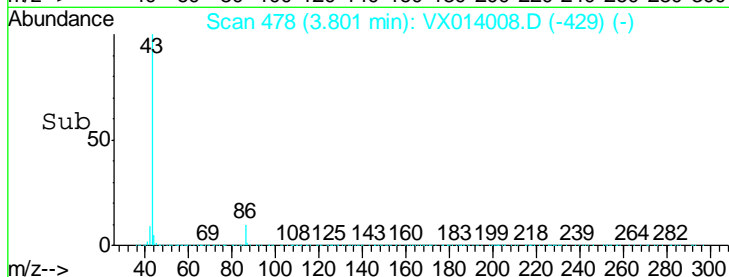
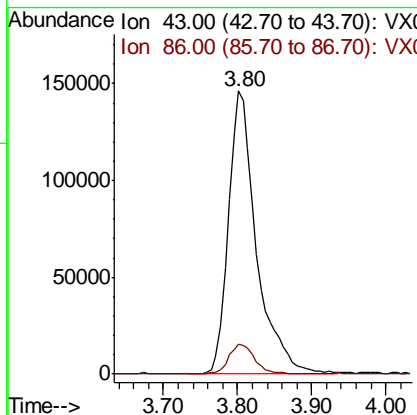
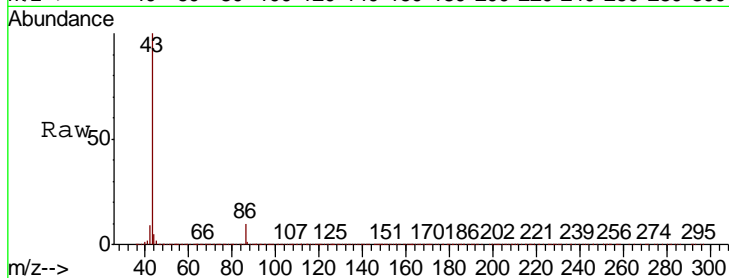
#23
 Vinyl Acetate
 Concen: 25.363 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

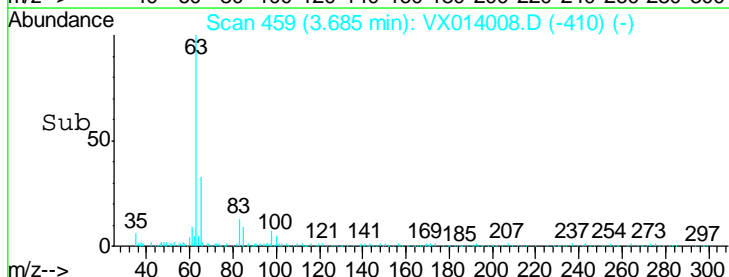
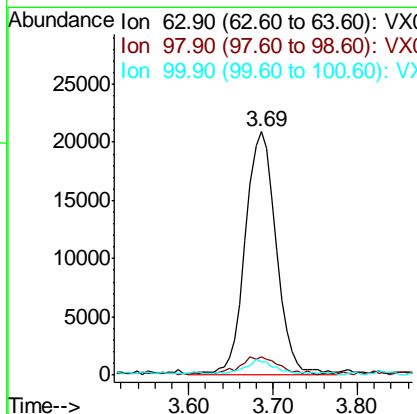
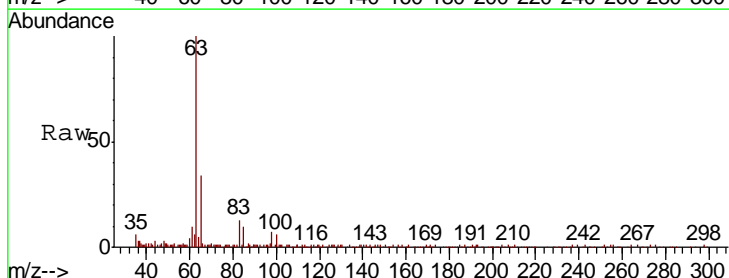
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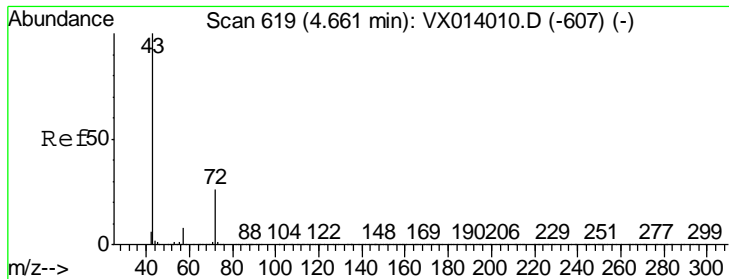
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#24
 1,1-Dichloroethane
 Concen: 5.193 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.8
100	5.4	2.3	6.8





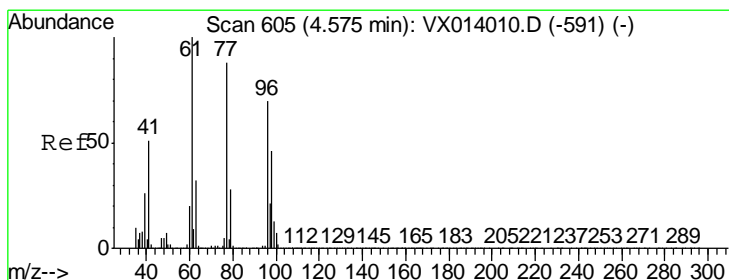
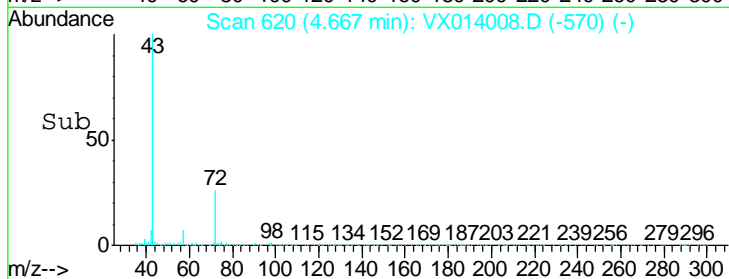
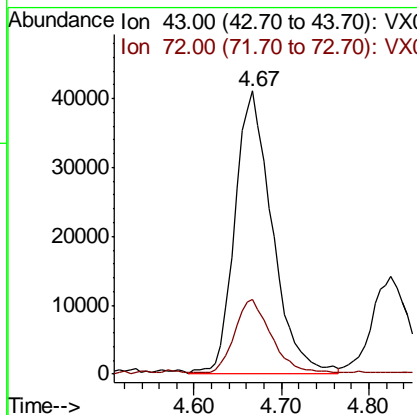
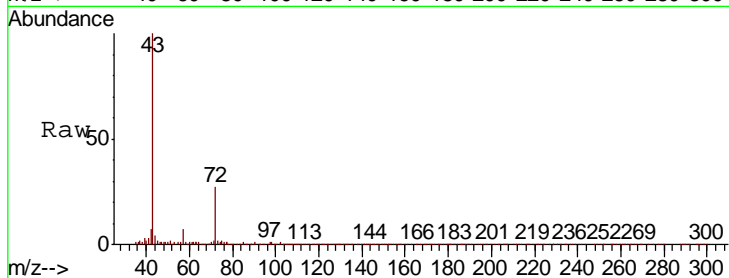
#25
 2-Butanone
 Concen: 26.185 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.0	31.4

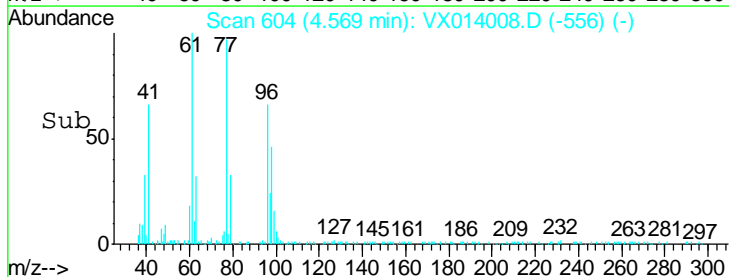
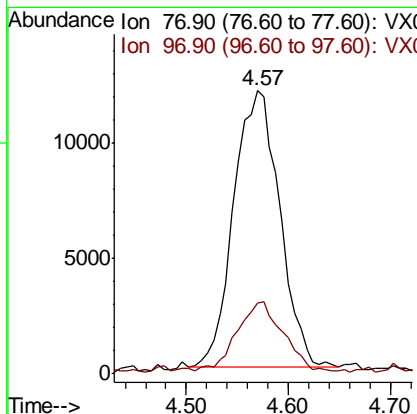
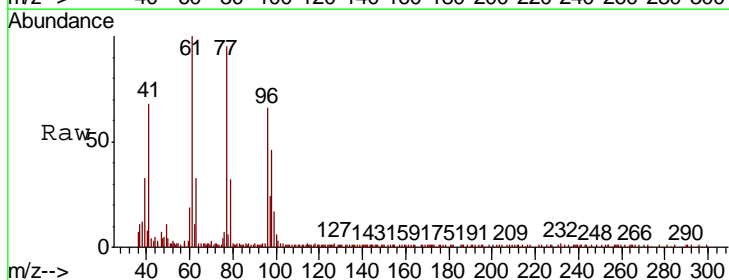
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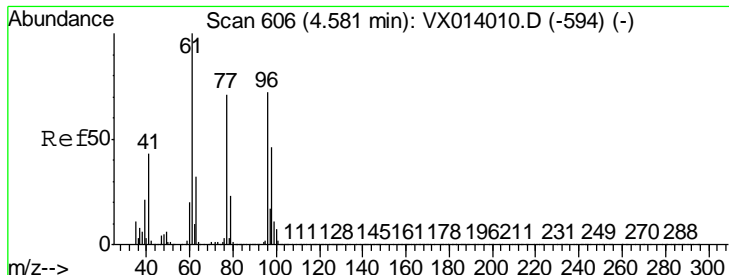
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#26
 2,2-Dichloropropane
 Concen: 4.585 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.4	11.9	35.9





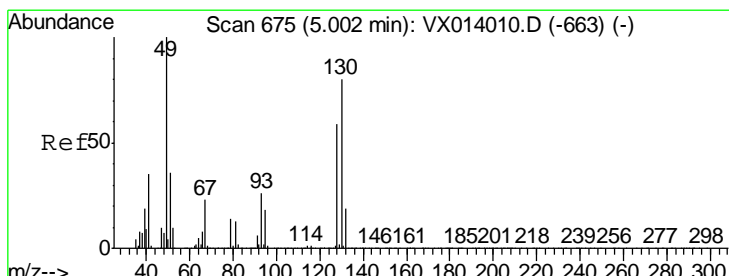
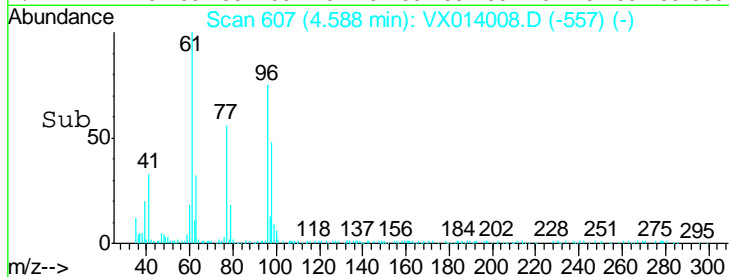
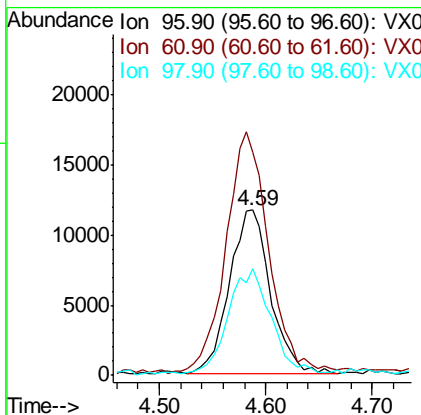
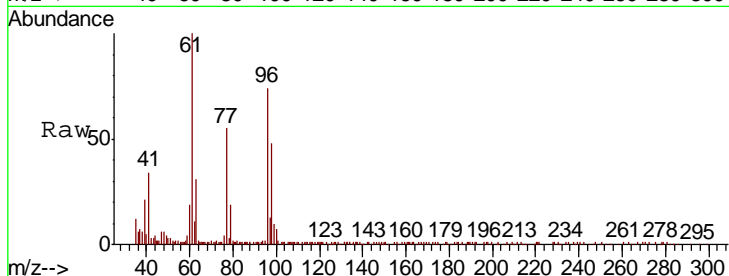
#27
 cis-1,2-Dichloroethene
 Concen: 4.815 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	31265		
96	100		
61	155.6	0.0	288.4
98	67.0	0.0	129.6

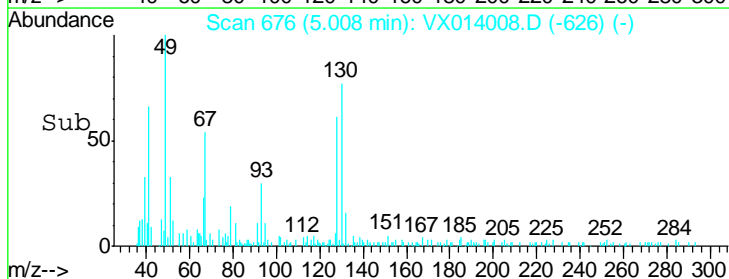
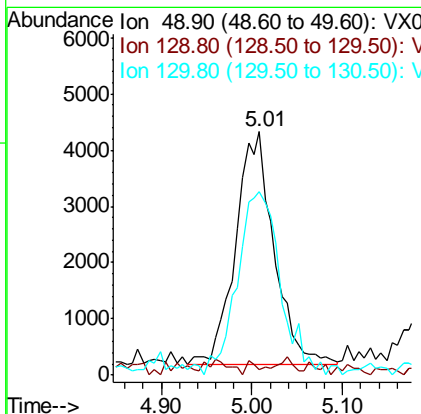
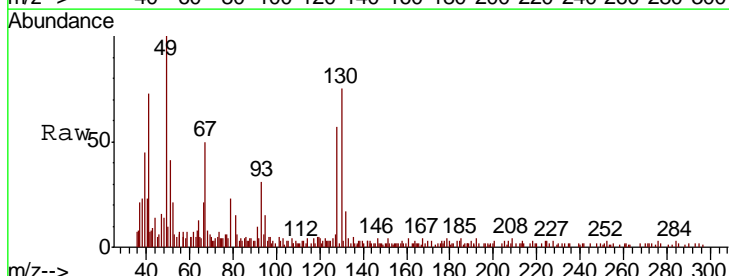
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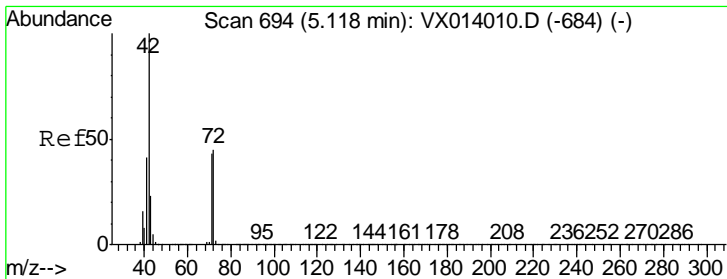
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#28
 Bromochloromethane
 Concen: 3.451 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
49	12112		
49	100		
129	2.4	0.0	5.0
130	88.4	64.6	97.0





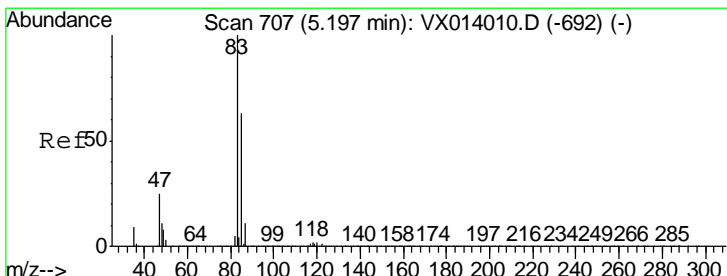
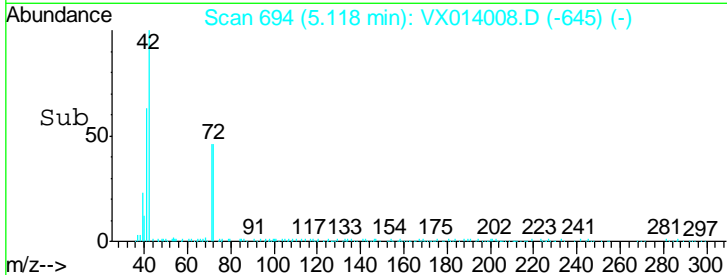
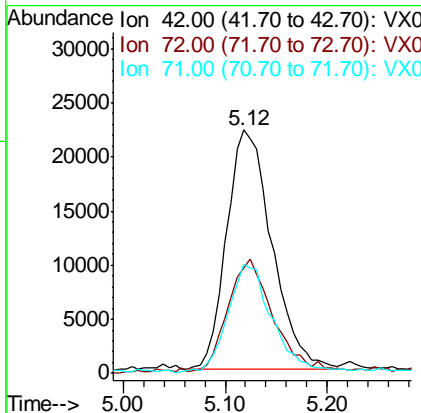
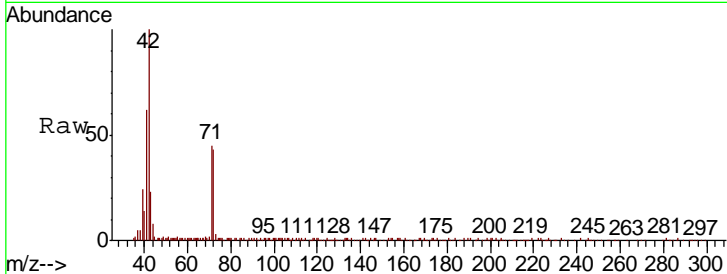
#29
 Tetrahydrofuran
 Concen: 24.029 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
42	100		
72	47.0	35.8	53.8
71	46.1	33.6	50.4

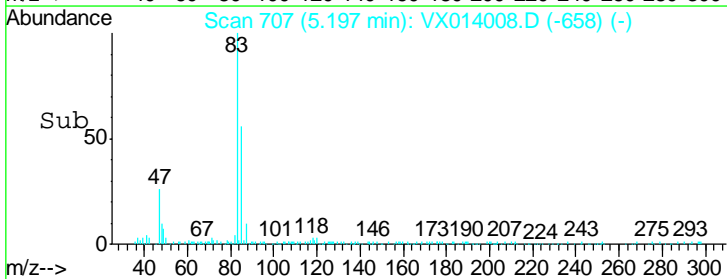
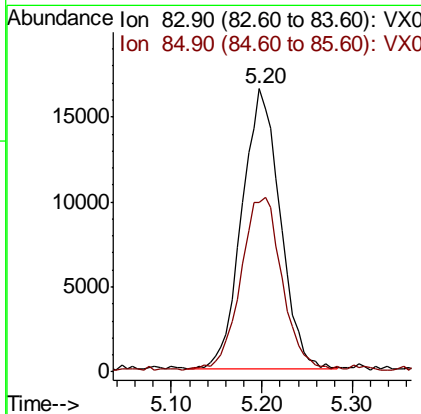
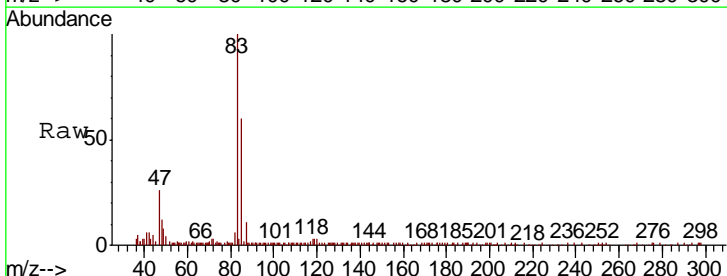
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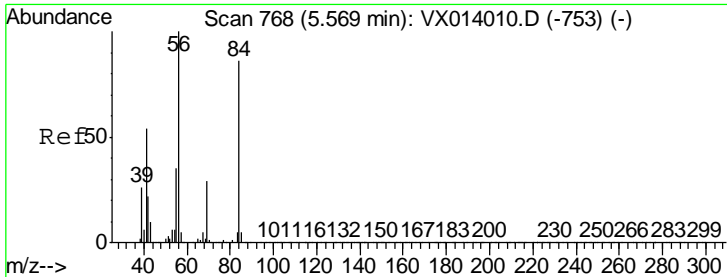
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#30
 Chloroform
 Concen: 4.800 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
83	100		
85	59.3	50.8	76.2





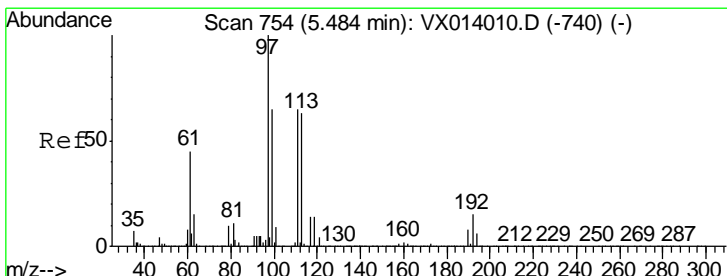
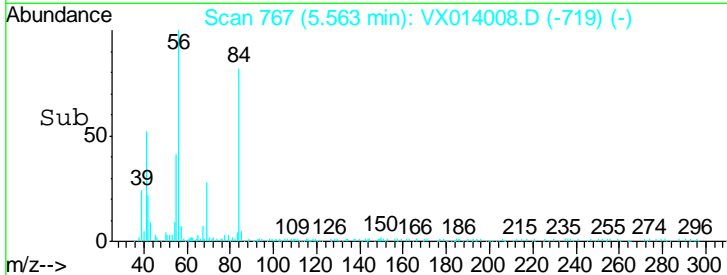
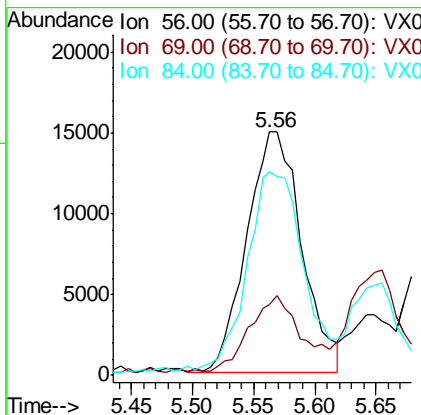
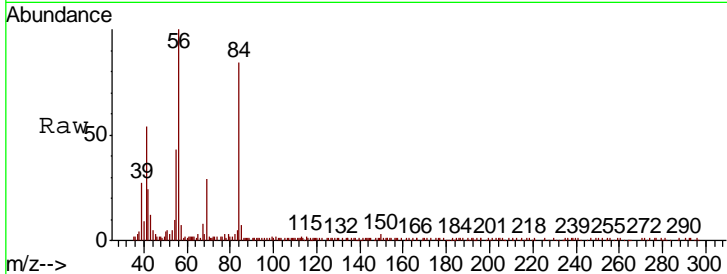
#31
 Cyclohexane
 Concen: 4.935 ug/l
 RT: 5.56 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	46374		
69	28.4	23.2	34.8
84	82.4	69.2	103.8

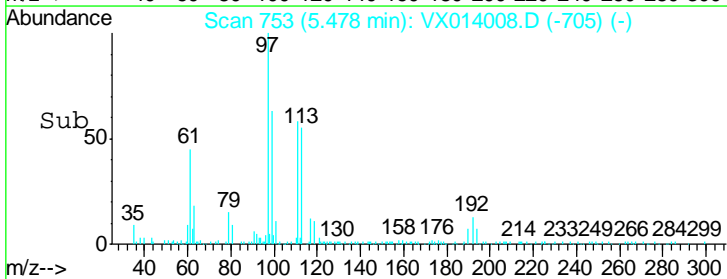
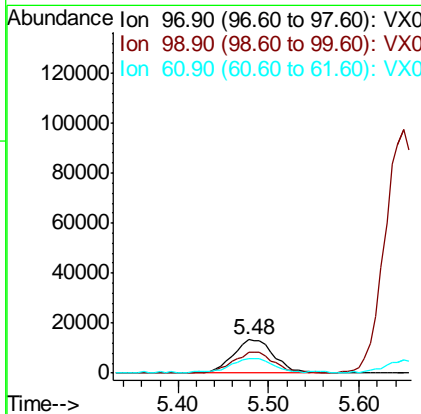
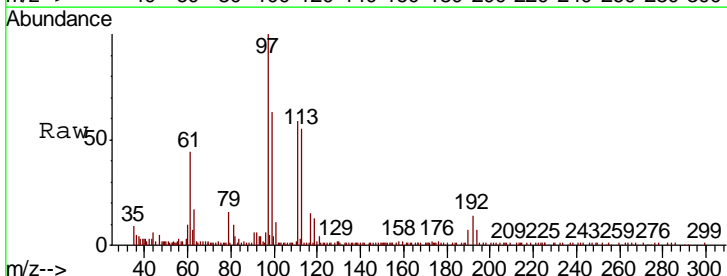
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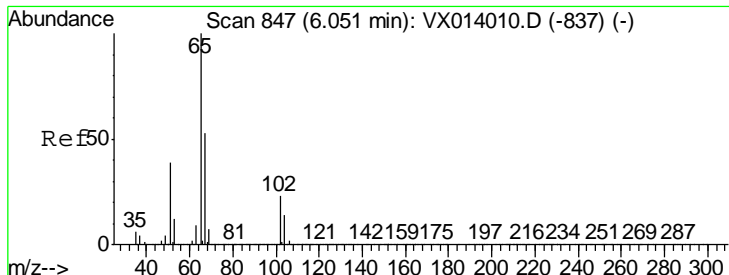
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#32
 1,1,1-Trichloroethane
 Concen: 4.872 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
97	40943		
99	64.9	52.0	78.0
61	44.9	36.7	55.1





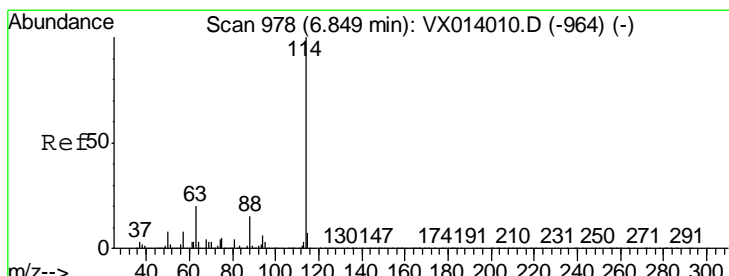
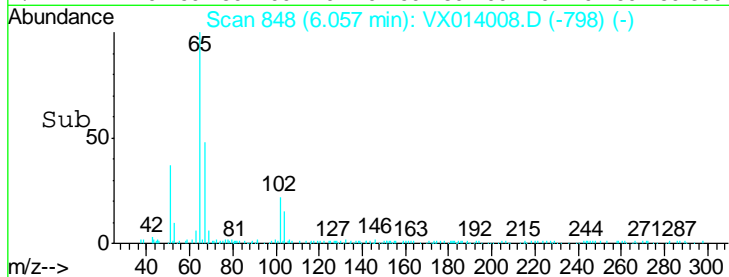
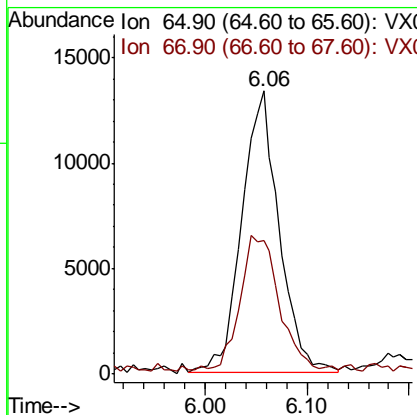
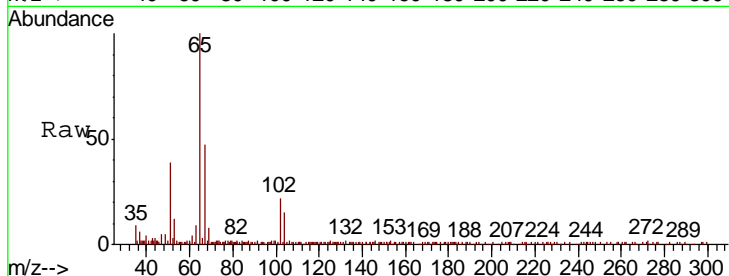
#33
 1,2-Dichloroethane-d4
 Concen: 5.329 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
65	33805		
65	100		
67	49.8	0.0	106.4

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

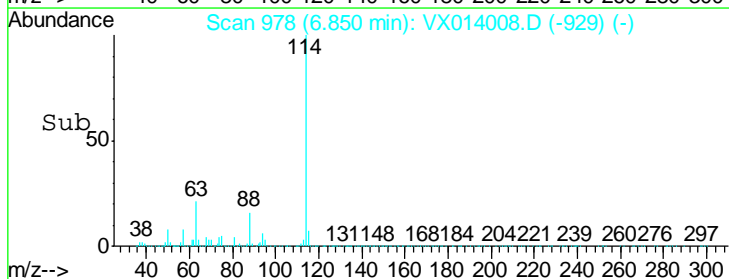
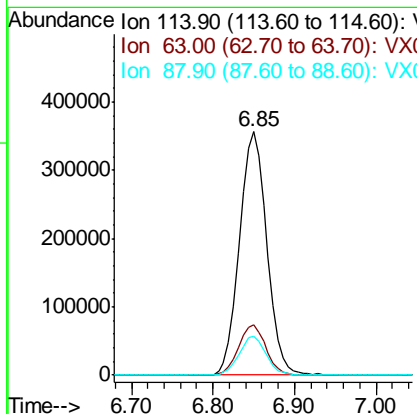
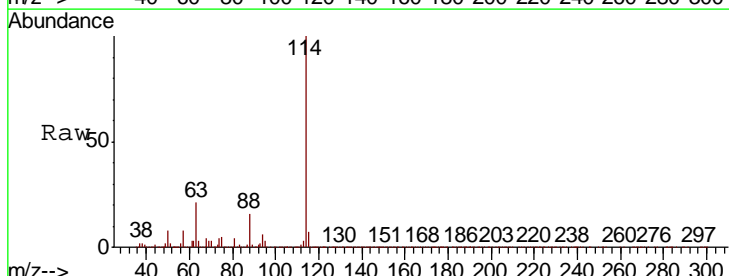
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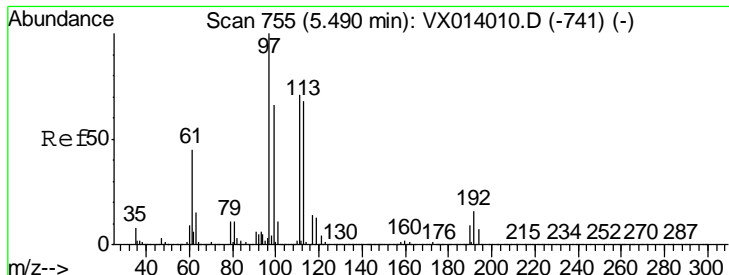
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
114	828804		
114	100		
63	20.6	0.0	40.8
88	15.7	0.0	30.4





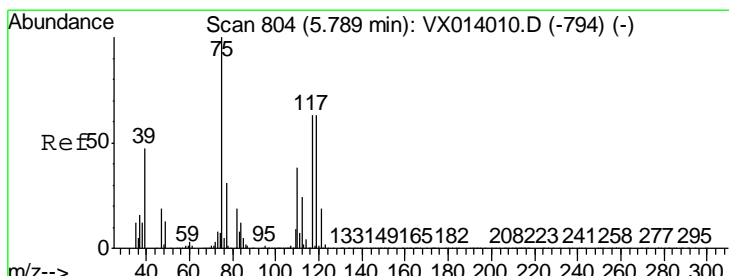
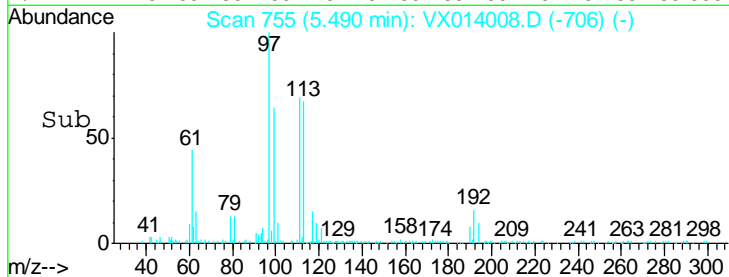
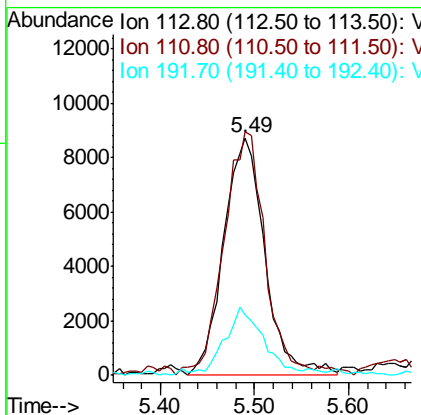
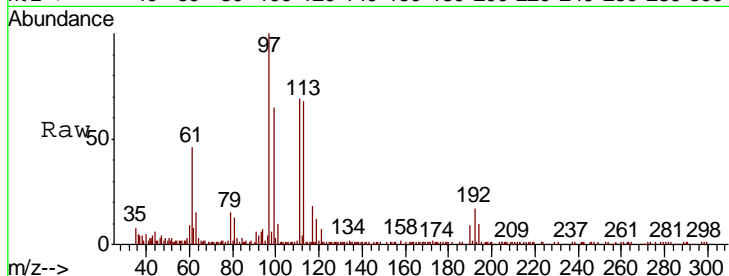
#35
 Dibromofluoromethane
 Concen: 5.176 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampleId : VSTDIC005

Tgt Ion	Resp	Lower	Upper
113	26664		
113	100		
111	101.2	82.0	123.0
192	25.7	19.3	28.9

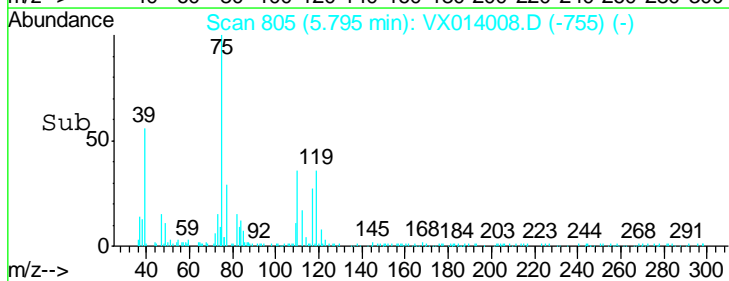
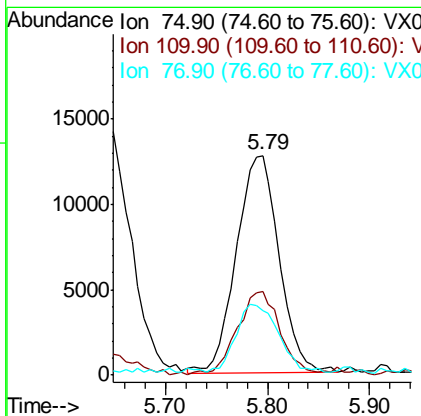
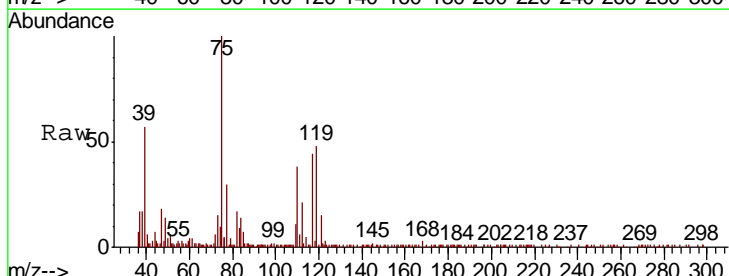
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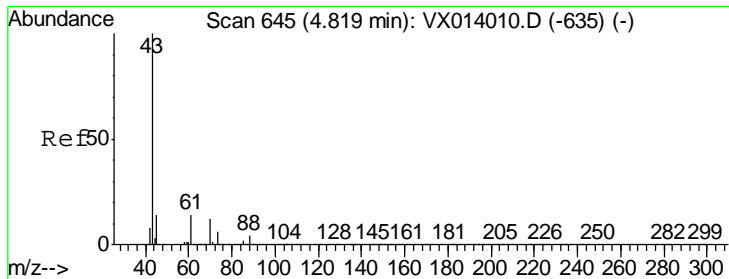
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#36
 1,1-Dichloropropene
 Concen: 4.919 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
75	37031		
75	100		
110	39.0	18.3	54.9
77	30.8	24.8	37.2





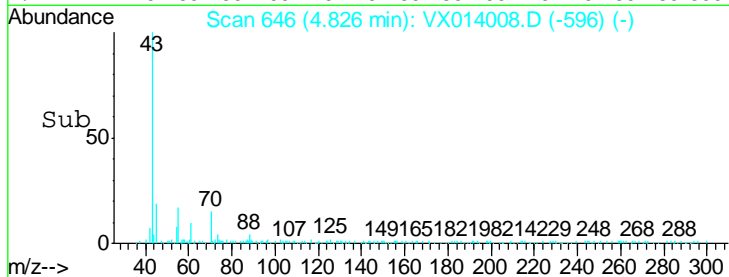
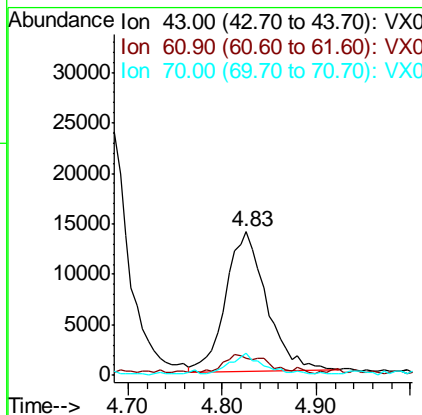
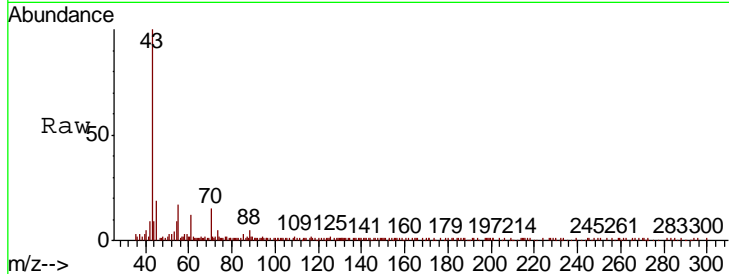
#37
 Ethyl Acetate
 Concen: 4.976 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	41790		
61	13.2	10.8	16.2
70	10.4	8.6	12.8

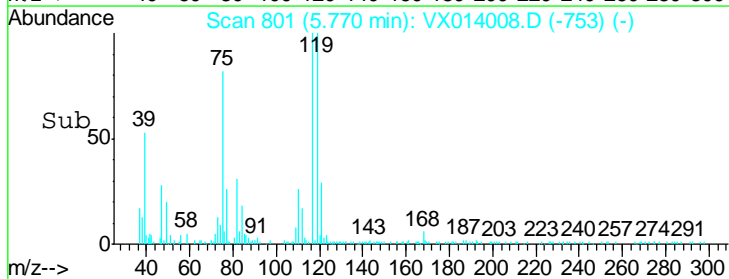
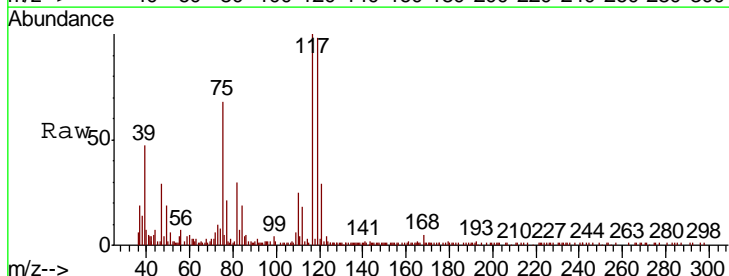
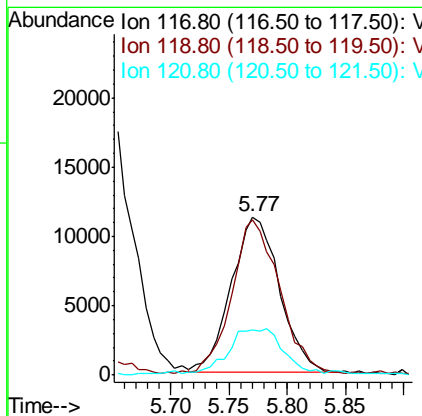
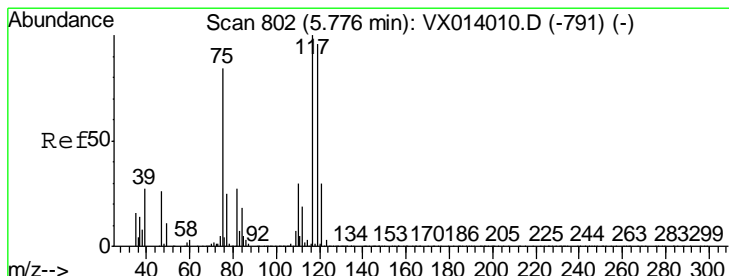
Manual Integrations
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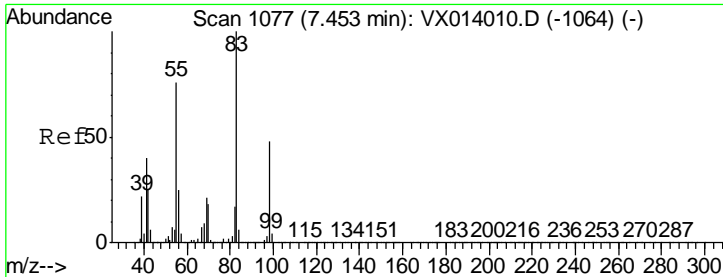
apatel
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#38
 Carbon Tetrachloride
 Concen: 4.697 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
117	32620		
119	98.4	76.2	114.4
121	27.8	23.6	35.4





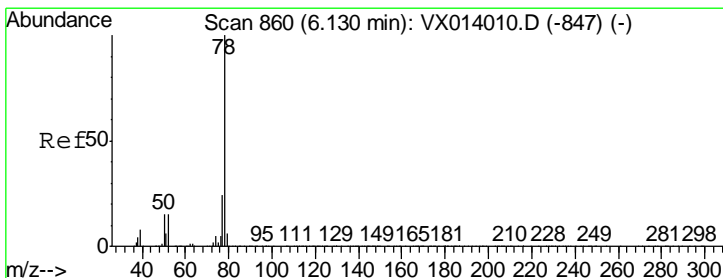
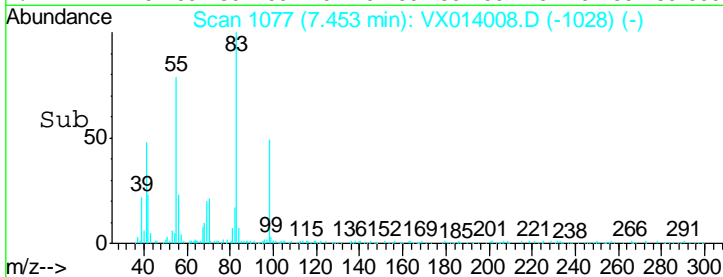
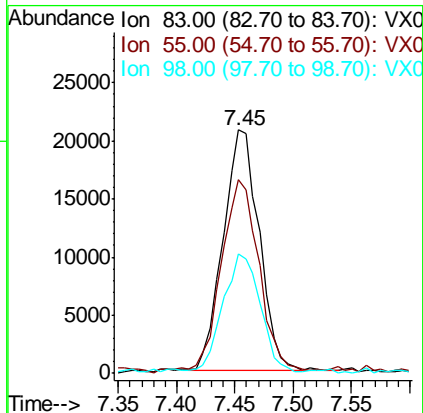
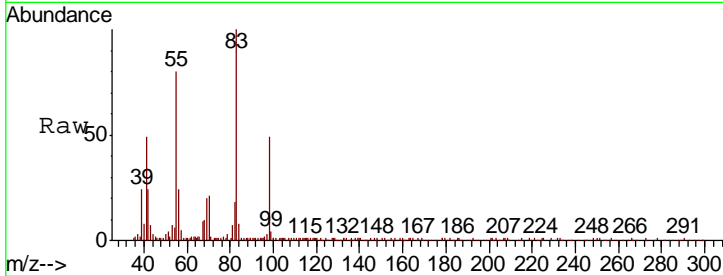
#39
 Methylcyclohexane
 Concen: 4.796 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	44709		
83	100		
55	78.8	61.0	91.6
98	49.2	38.6	57.8

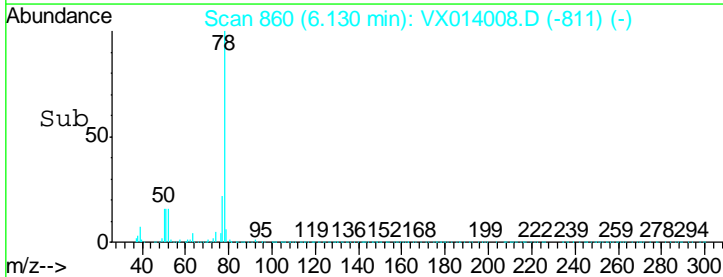
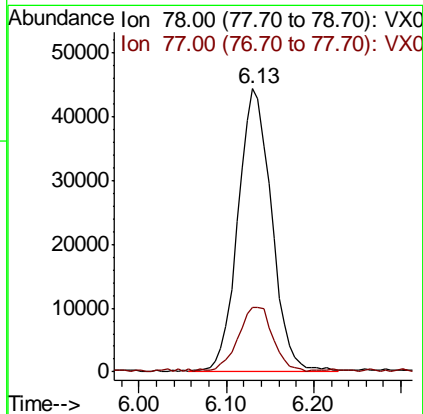
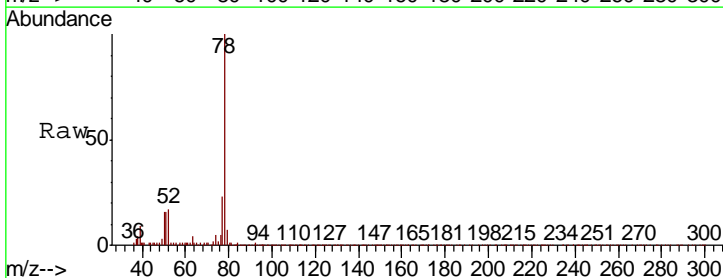
Manual Integrations
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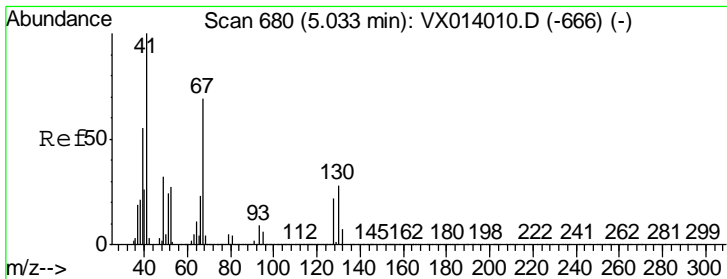
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#40
 Benzene
 Concen: 5.119 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
78	117634		
78	100		
77	22.6	18.8	28.2





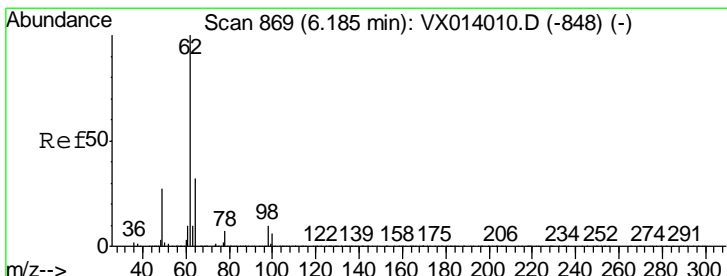
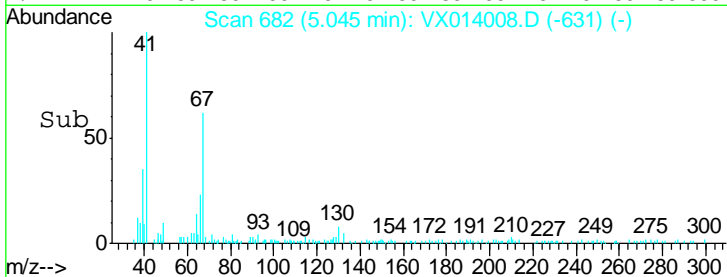
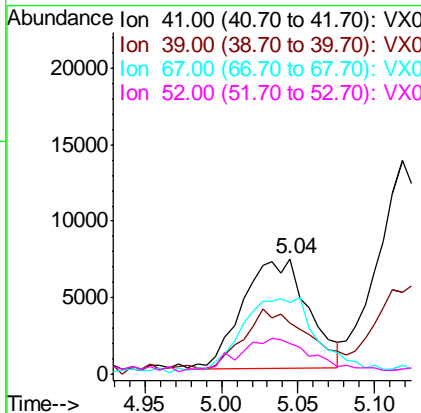
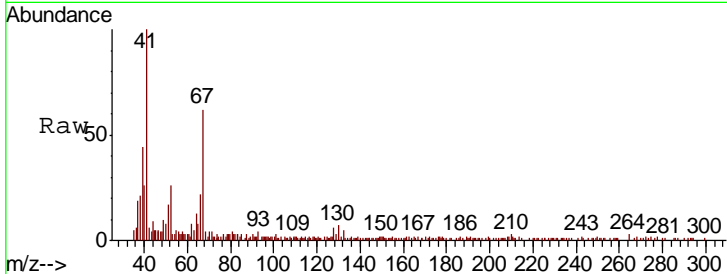
#41
 Methacrylonitrile
 Concen: 4.646 ug/l
 RT: 5.04 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
41	21299		
39	0.0	44.5	66.7#
67	80.3	57.4	86.0
52	0.0	23.0	34.4#

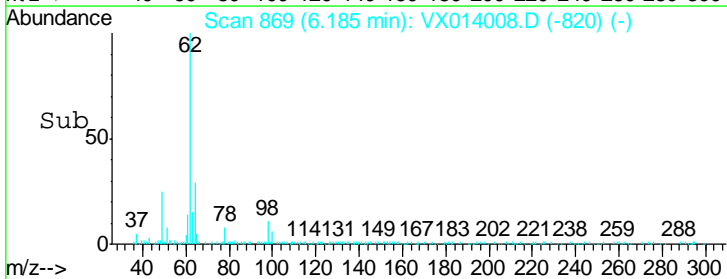
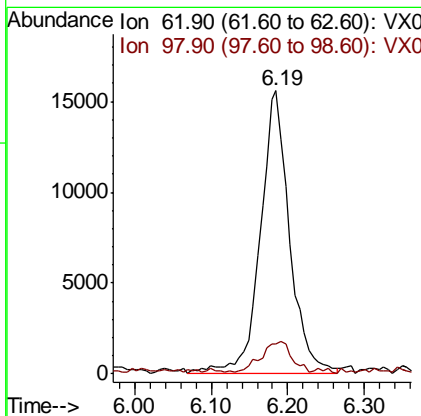
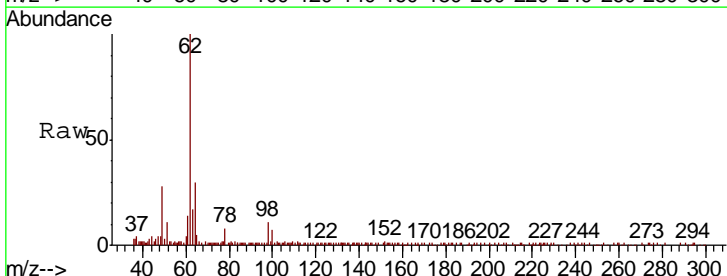
Manual Integrations
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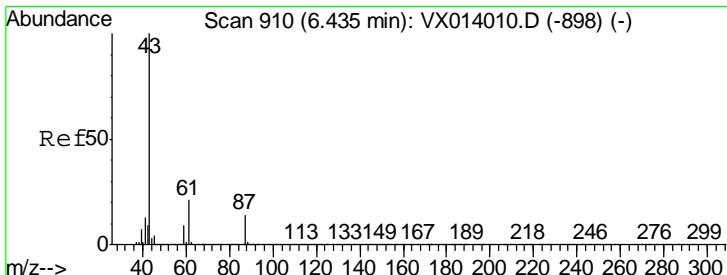
apatel
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#42
 1,2-Dichloroethane
 Concen: 5.333 ug/l
 RT: 6.19 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
62	41725		
98	11.8	0.0	21.0





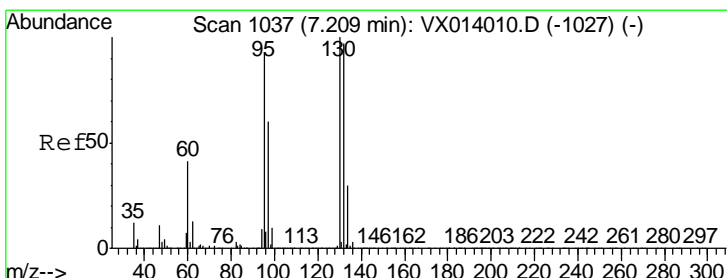
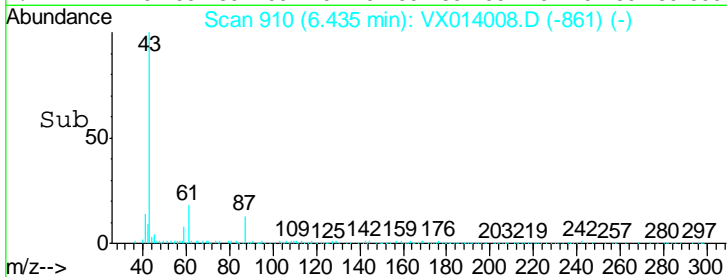
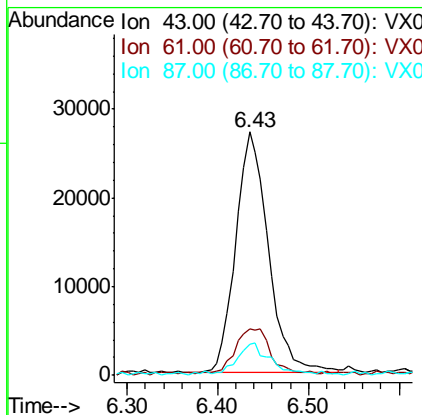
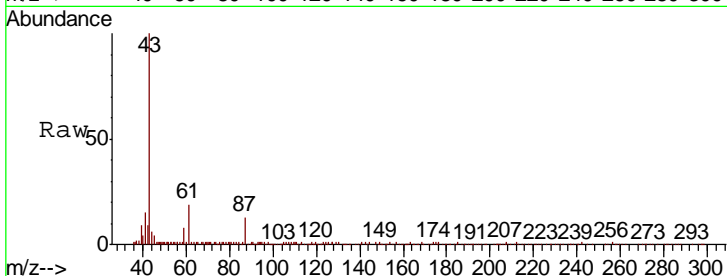
#43
 Isopropyl Acetate
 Concen: 4.909 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	68104		
61	19.4	16.4	24.6
87	12.1	10.7	16.1

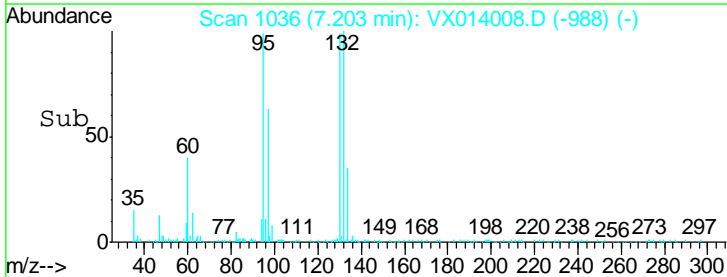
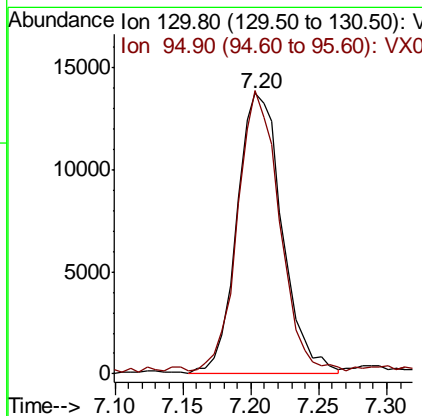
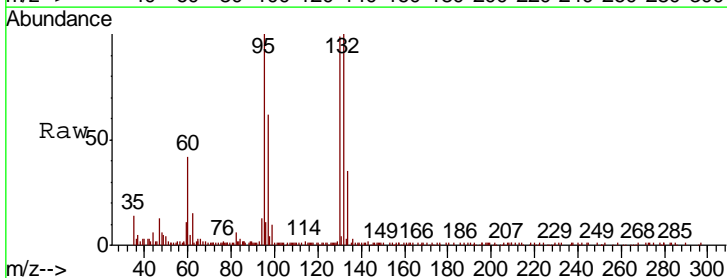
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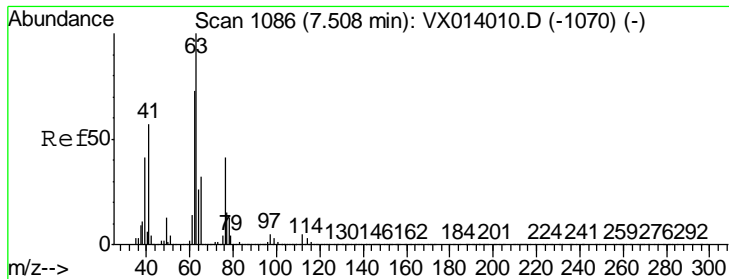
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#44
 Trichloroethene
 Concen: 5.096 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
130	32022		
95	99.7	0.0	185.6





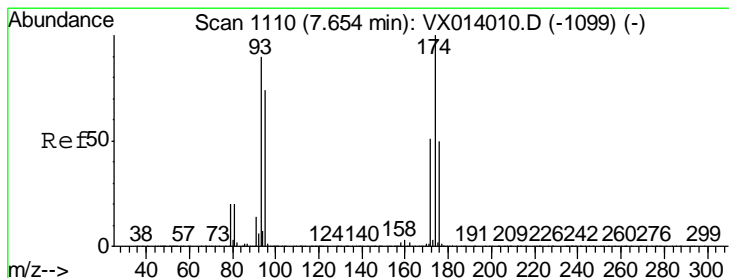
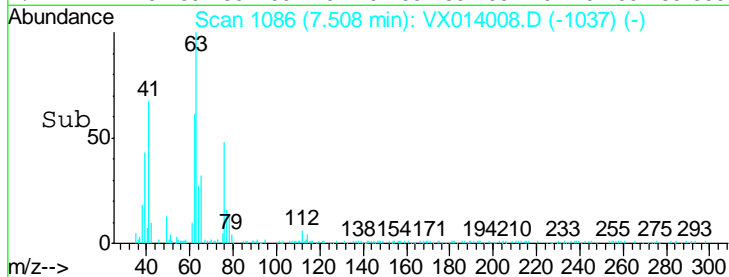
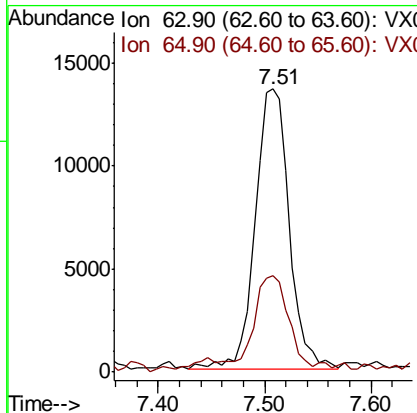
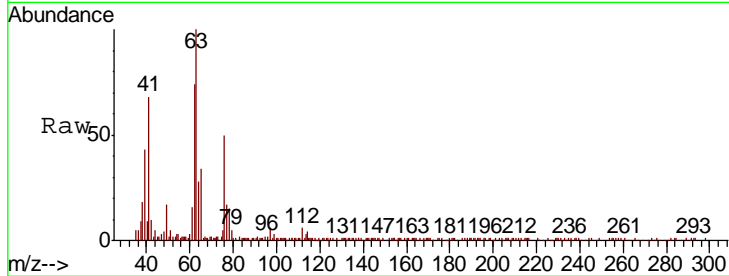
#45
 1,2-Dichloropropane
 Concen: 5.259 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
63	30292		
63	100		
65	32.2	25.8	38.8

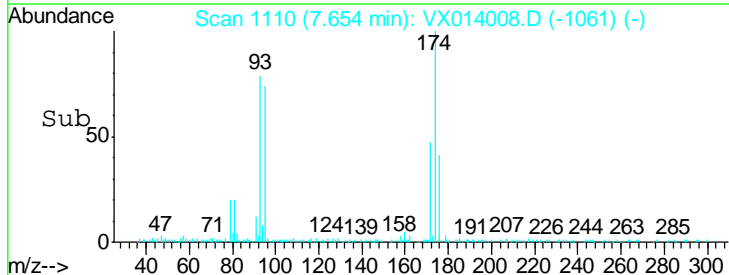
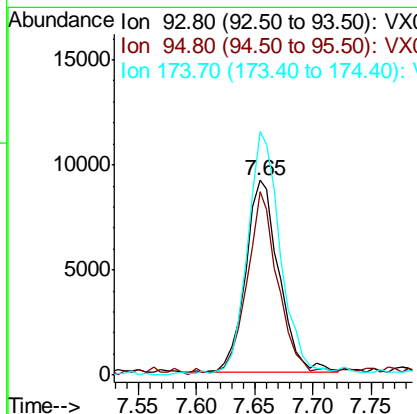
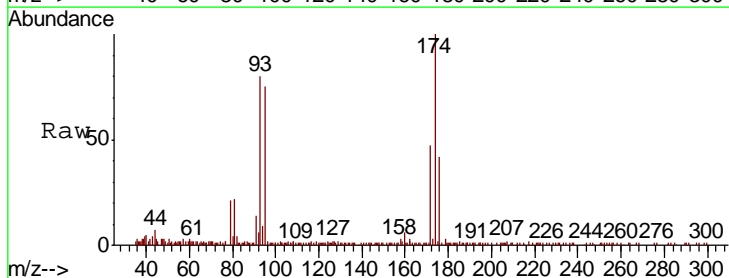
Manual Integrations
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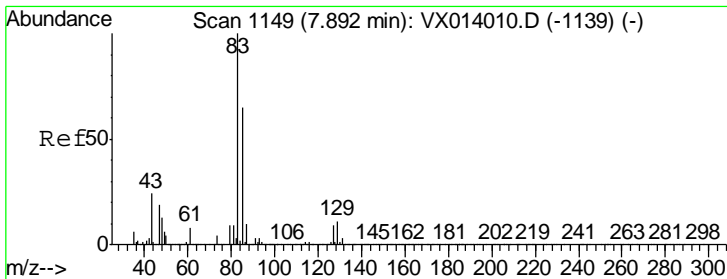
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#46
 Dibromomethane
 Concen: 4.751 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
93	18520		
93	100		
95	82.2	67.3	100.9
174	121.4	91.6	137.4





#47

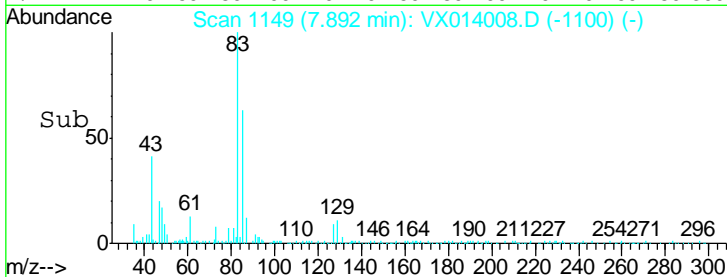
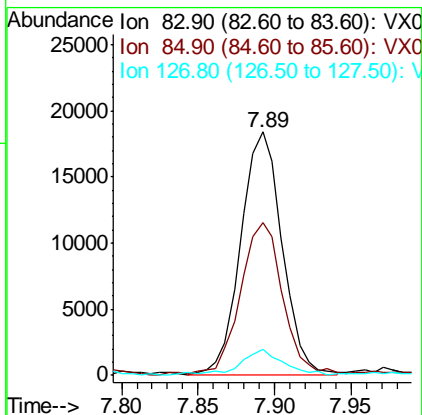
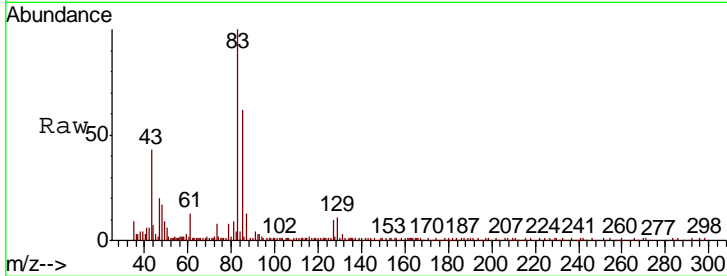
Bromodichloromethane
 Concen: 4.711 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	34707		
83	100		
85	61.9	51.8	77.8
127	9.5	7.0	10.4

Manual Integrations
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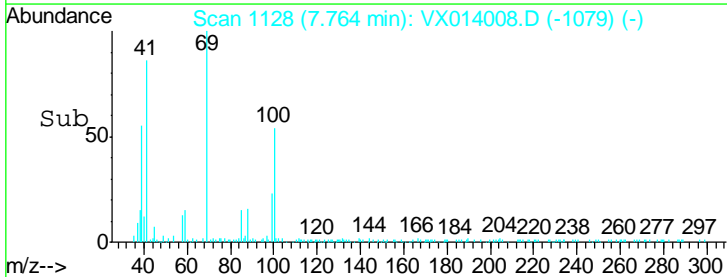
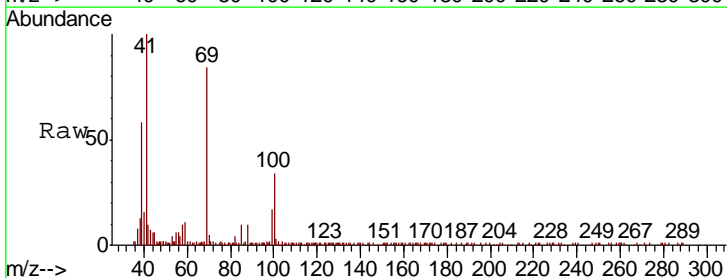
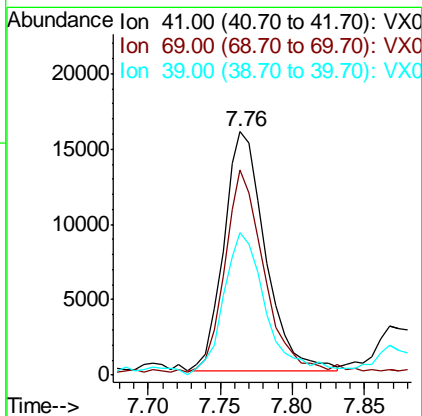
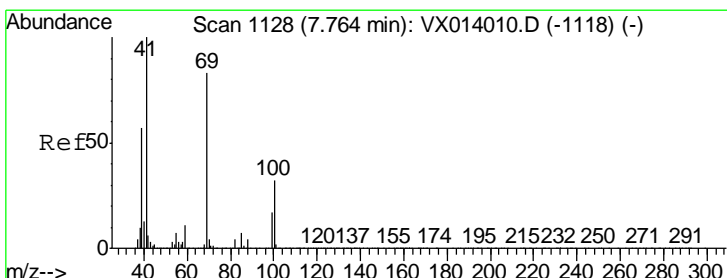
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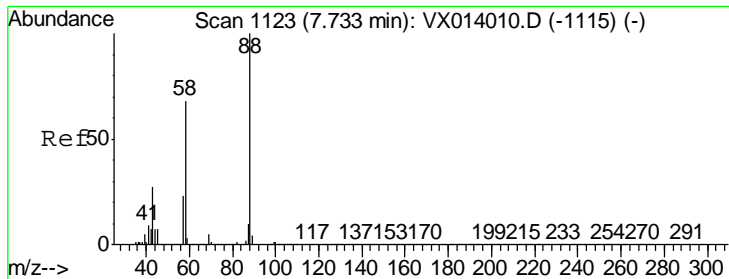


#48

Methyl methacrylate
 Concen: 4.726 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
41	31789		
41	100		
69	80.1	65.8	98.6
39	62.6	44.6	67.0





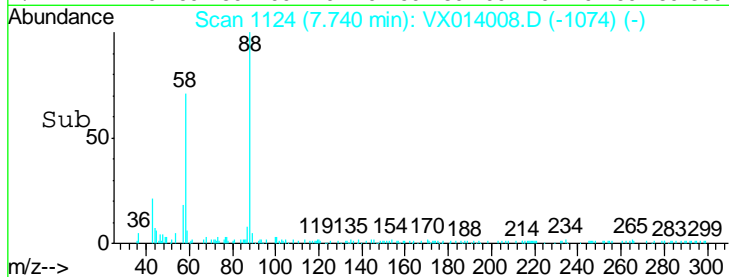
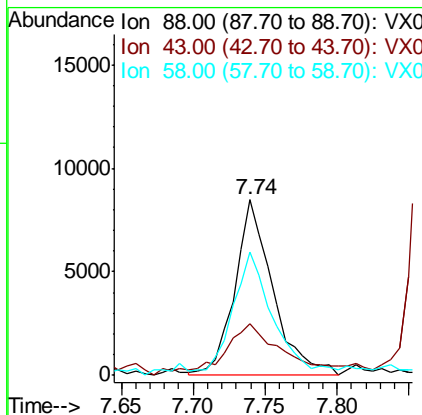
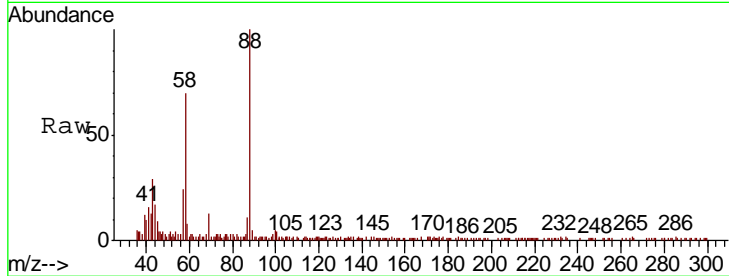
#49
 1,4-Dioxane
 Concen: 105.356 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
88	15607		
88	100		
43	50.4	26.5	39.7#
58	68.8	56.8	85.2

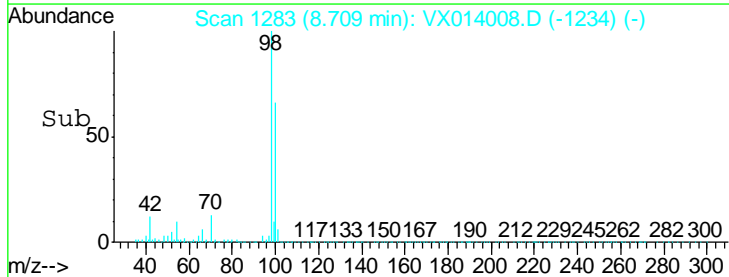
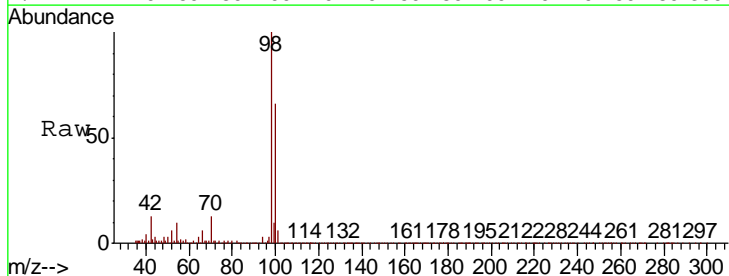
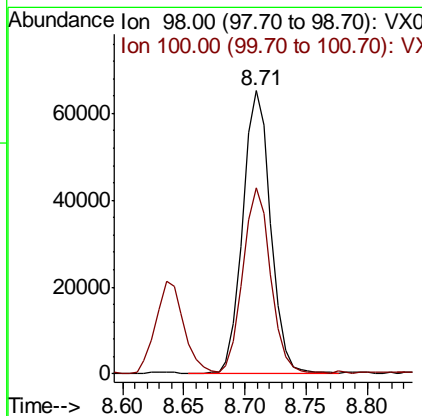
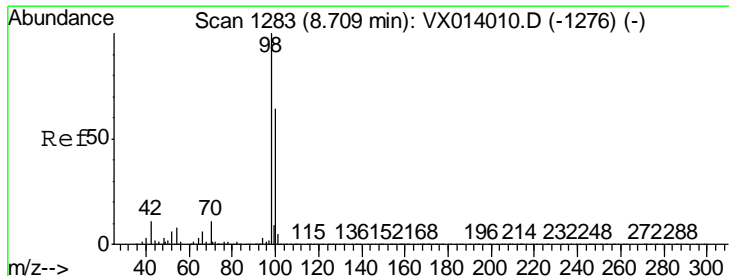
Manual Integrations
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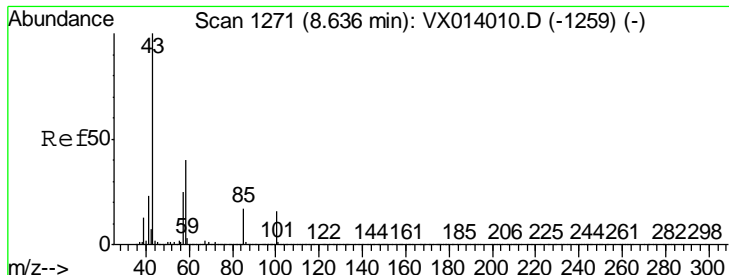
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#50
 Toluene-d8
 Concen: 5.092 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
98	102565		
98	100		
100	65.6	52.9	79.3





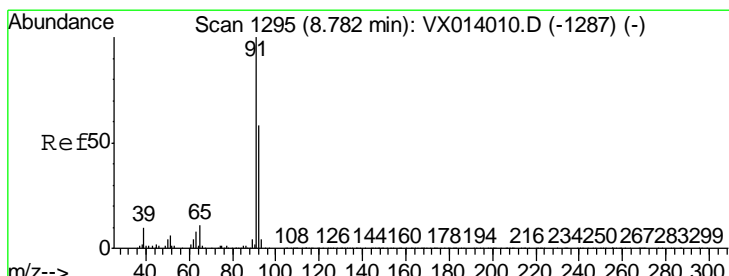
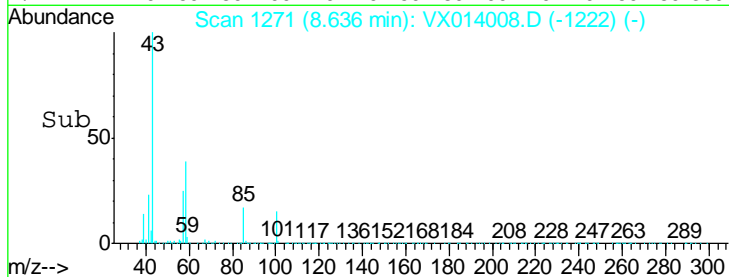
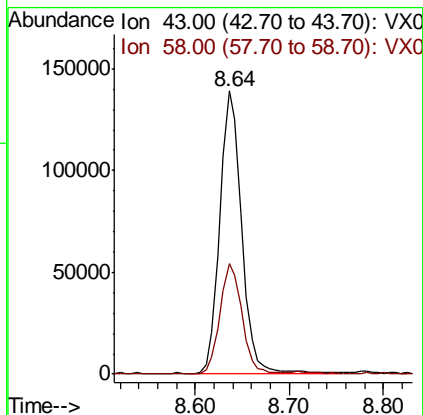
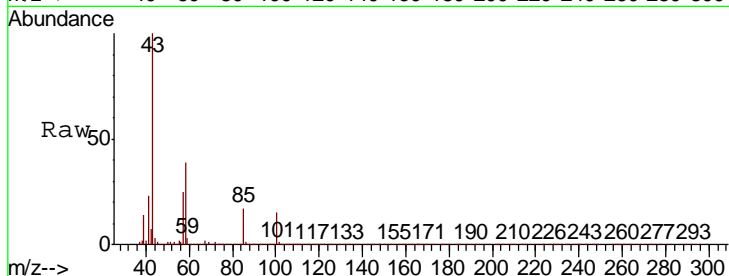
#51
 4-Methyl-2-Pentanone
 Concen: 25.920 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.3	32.2	48.2

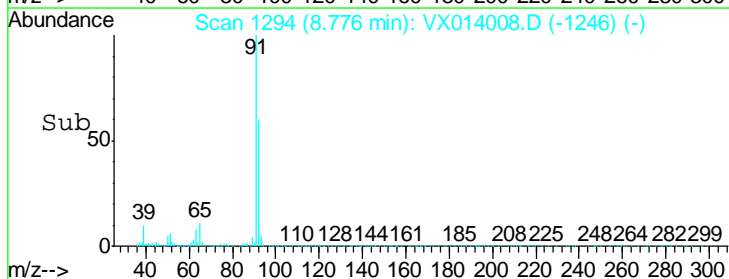
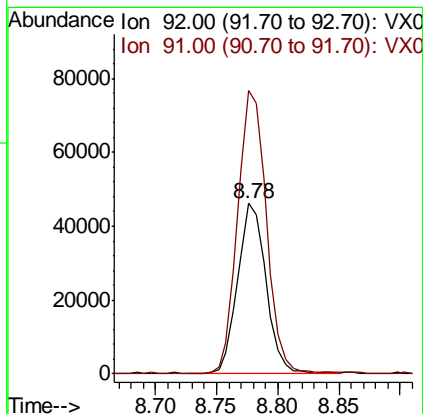
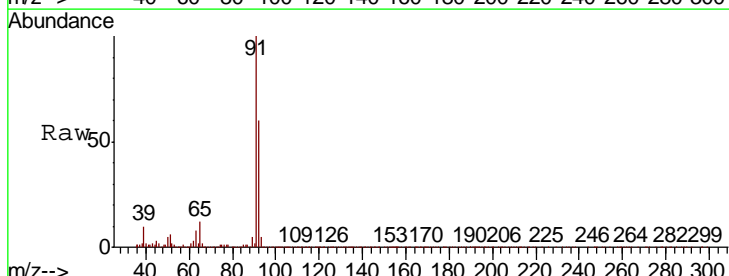
Manual Integrations
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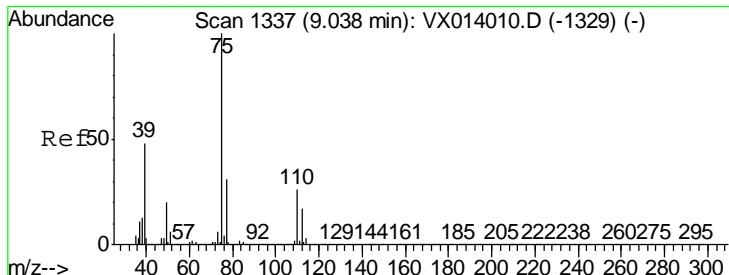
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#52
 Toluene
 Concen: 5.133 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
92	100		
91	169.5	136.2	204.4





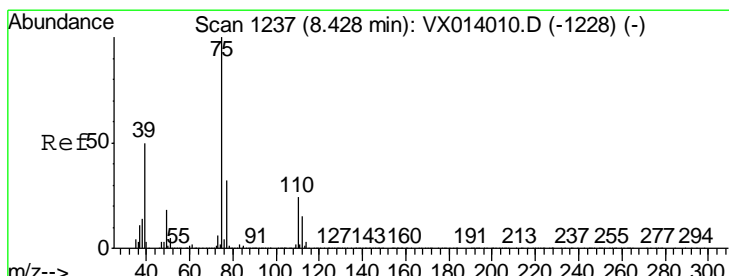
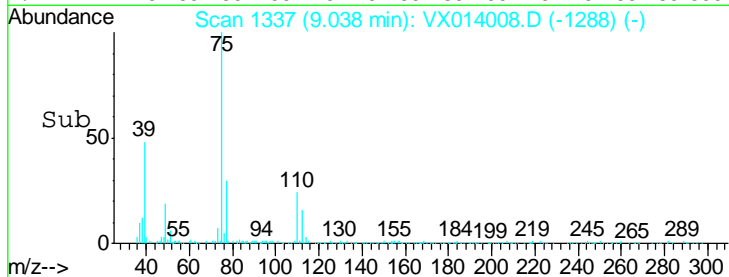
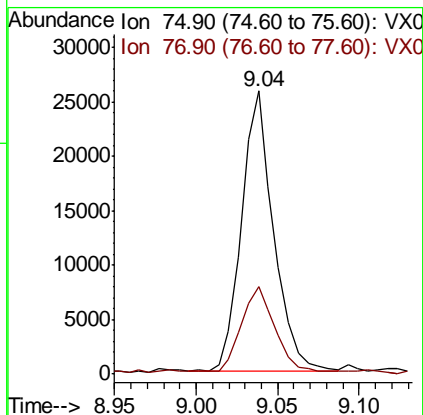
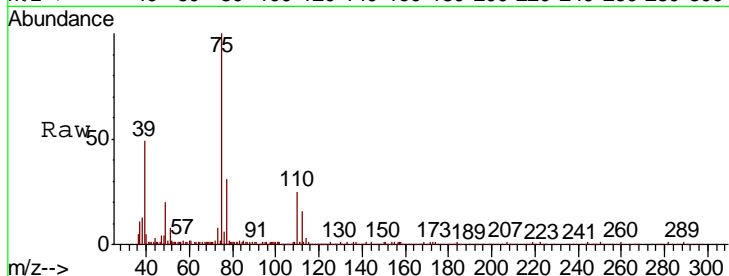
#53
 t-1,3-Dichloropropene
 Concen: 4.203 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
75	35229		
75	100		
77	30.4	25.1	37.7

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

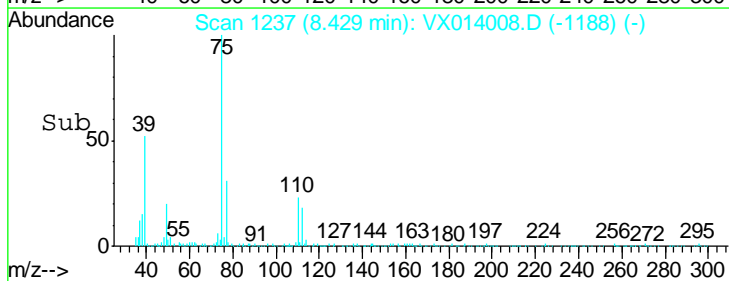
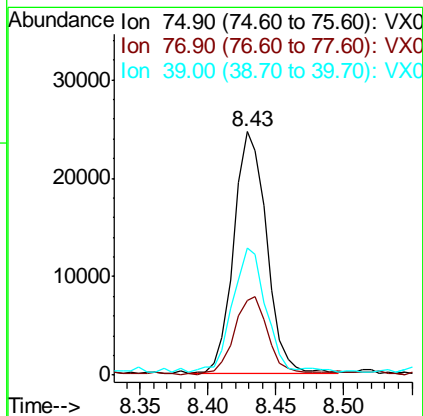
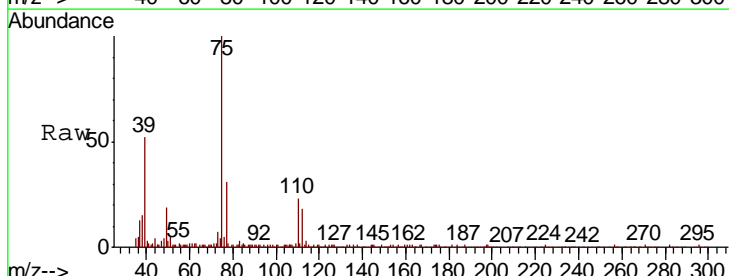
Manual Integrations
 APPROVED

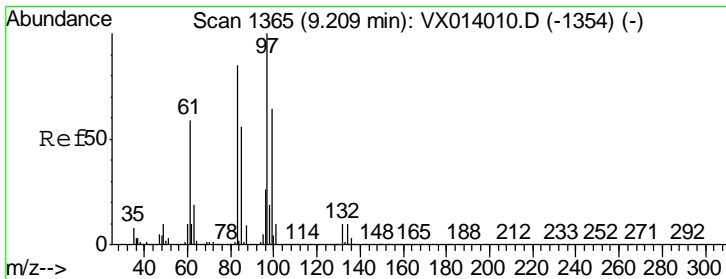
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#54
 cis-1,3-Dichloropropene
 Concen: 4.498 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
75	41221		
75	100		
77	30.2	25.3	37.9
39	51.5	39.9	59.9





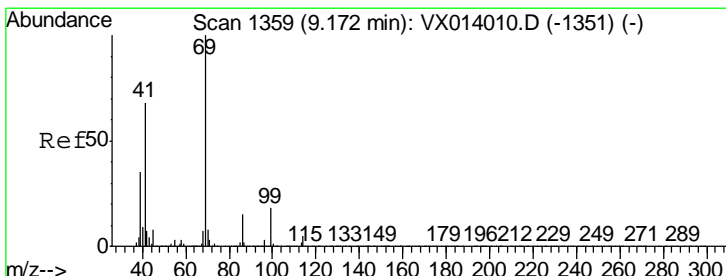
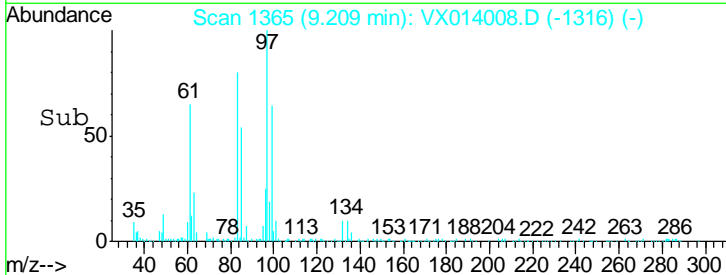
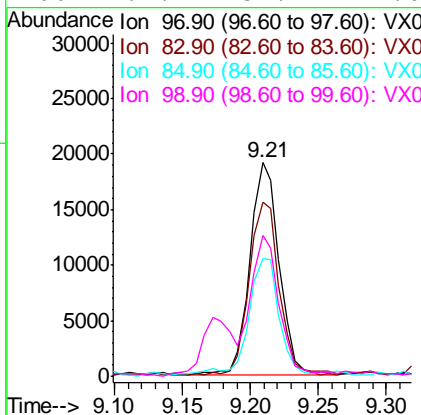
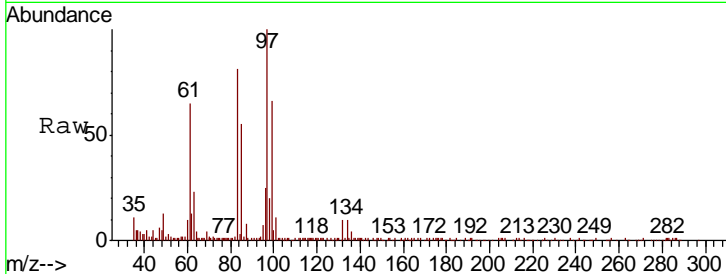
#55
 1,1,2-Trichloroethane
 Concen: 4.972 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampleId : VSTDIC005

Tgt Ion	Resp	Lower	Upper
97	100		
83	80.6	68.2	102.4
85	54.1	44.6	66.8
99	64.7	51.4	77.0

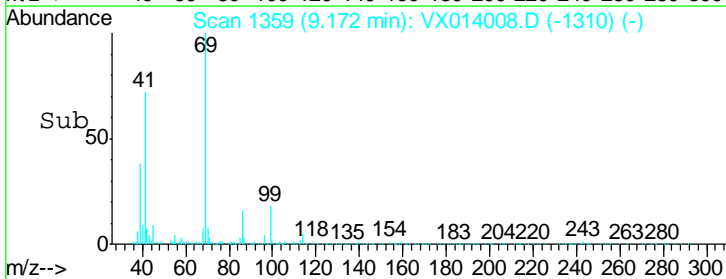
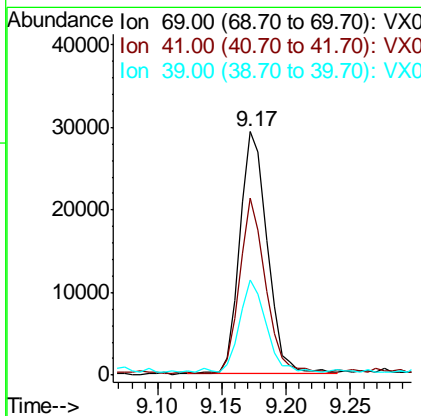
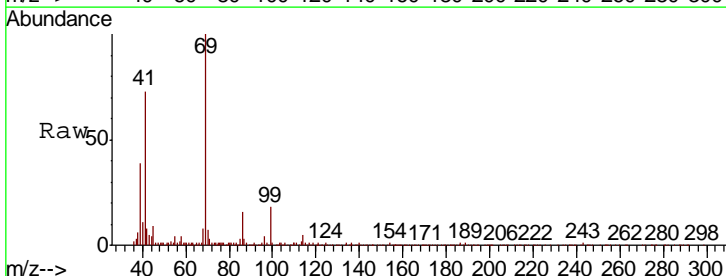
Manual Integrations
 APPROVED

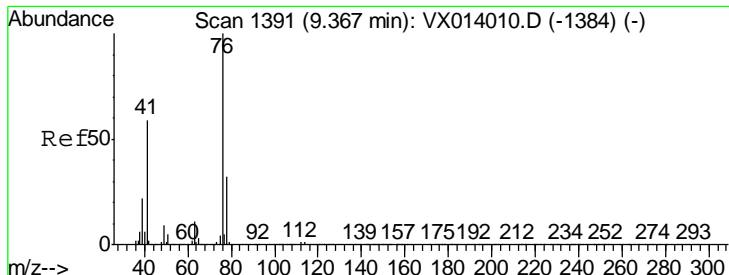
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#56
 Ethyl methacrylate
 Concen: 4.702 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
69	100		
41	67.9	54.8	82.2
39	37.0	28.3	42.5





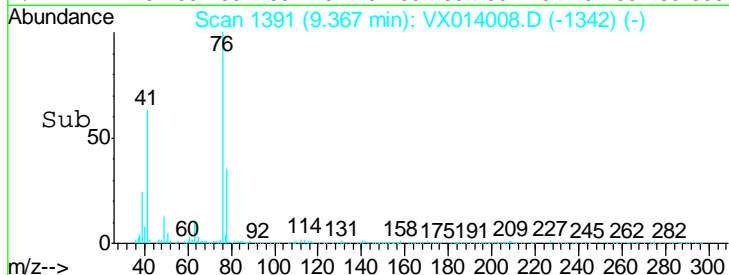
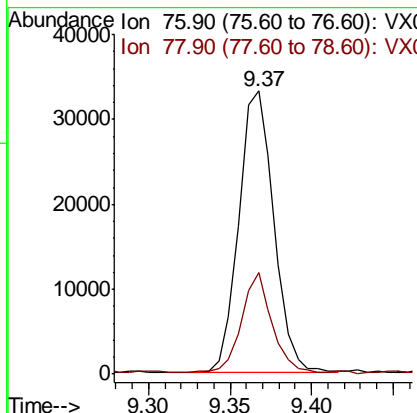
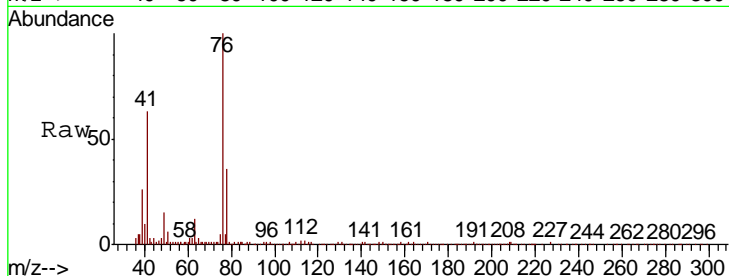
#57
 1,3-Dichloropropane
 Concen: 5.020 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	49837		
76	100		
78	30.6	25.8	38.6

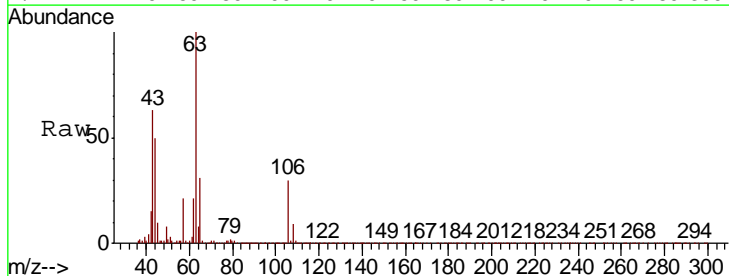
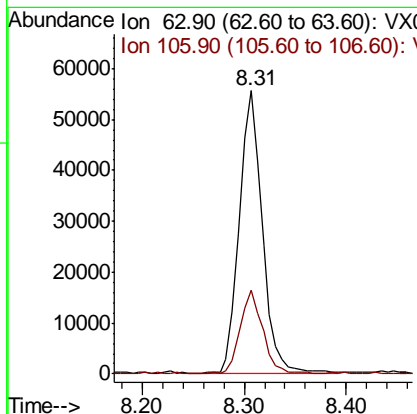
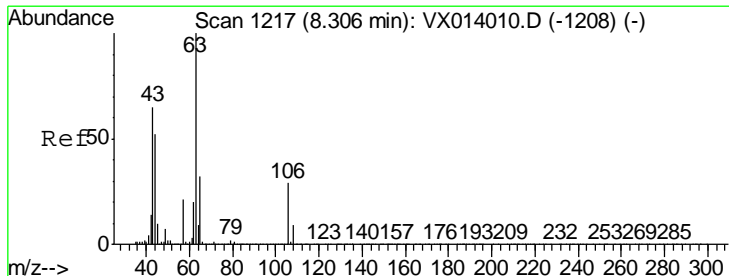
Manual Integrations
 APPROVED

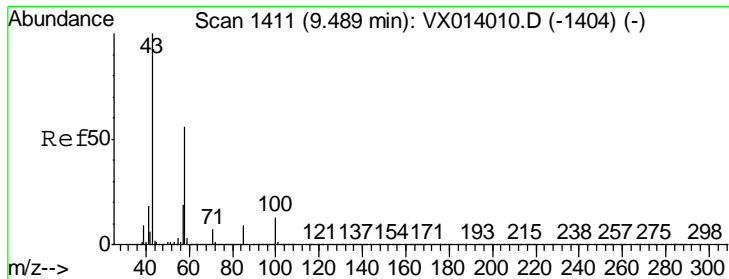
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#58
 2-Chloroethyl Vinyl ether
 Concen: 23.748 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
63	86243		
63	100		
106	29.5	23.0	34.6





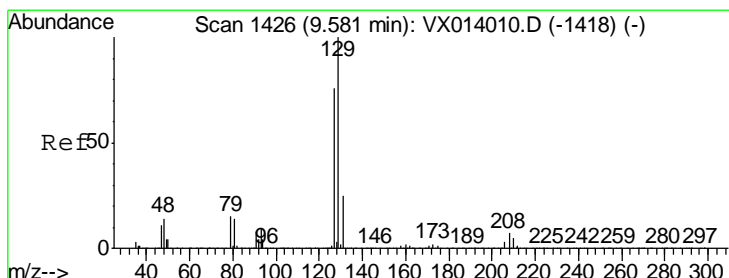
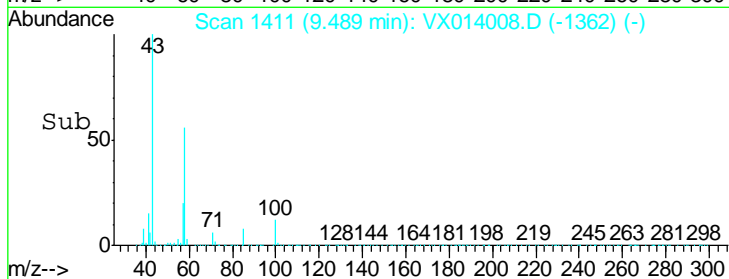
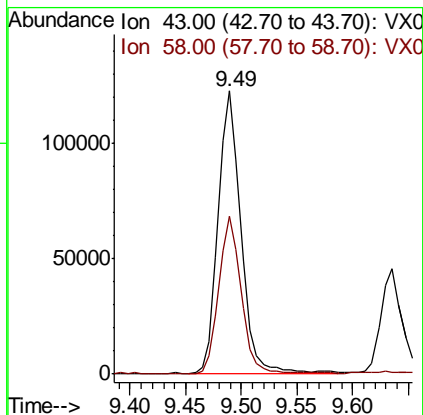
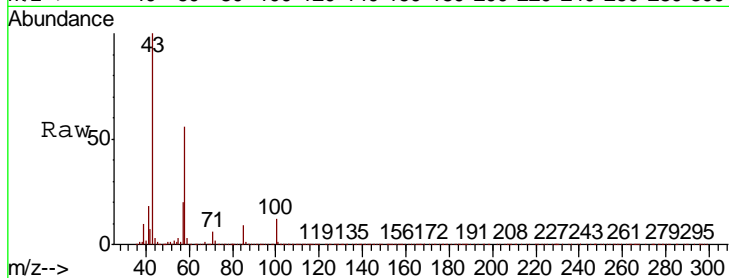
#59
 2-Hexanone
 Concen: 25.443 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VX014008.D
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	174409		
58	54.7	28.0	84.0

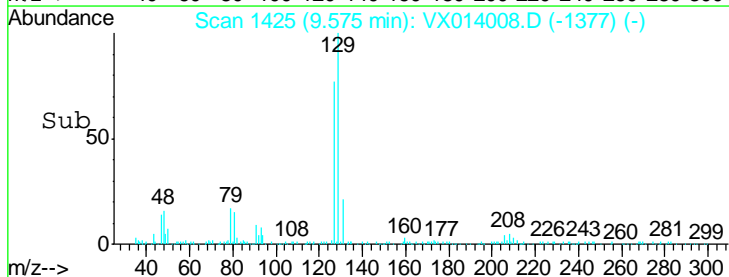
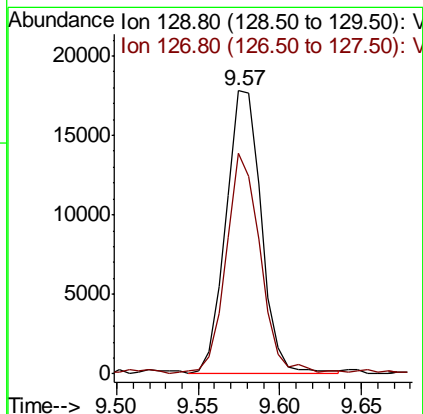
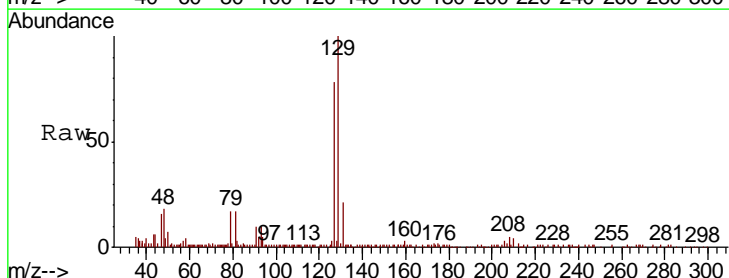
Manual Integrations
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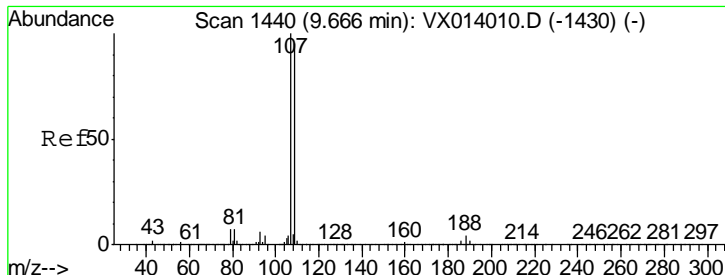
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#60
 Dibromochloromethane
 Concen: 4.470 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
129	26591		
127	75.5	38.4	115.2





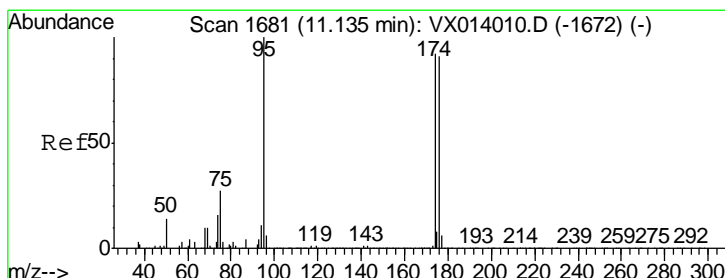
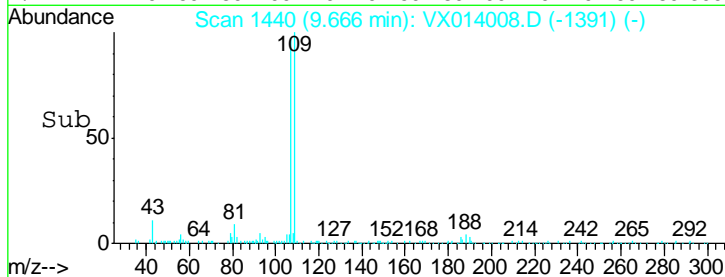
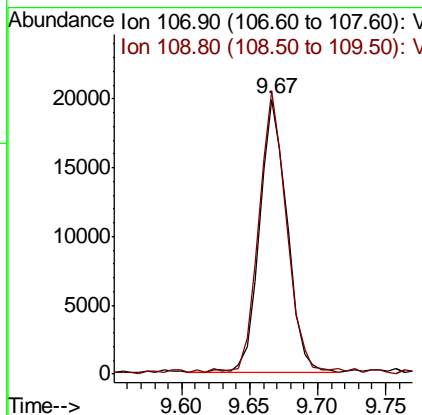
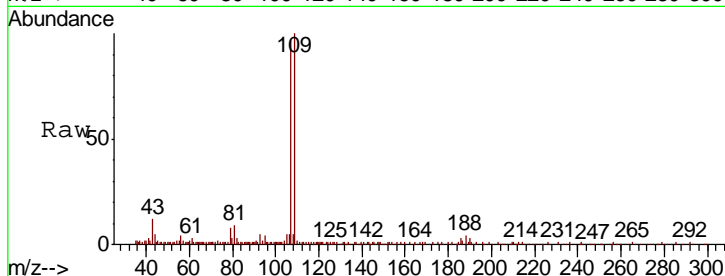
#61
 1,2-Dibromoethane
 Concen: 4.644 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
107	28498		
107	100		
109	102.4	75.7	113.5

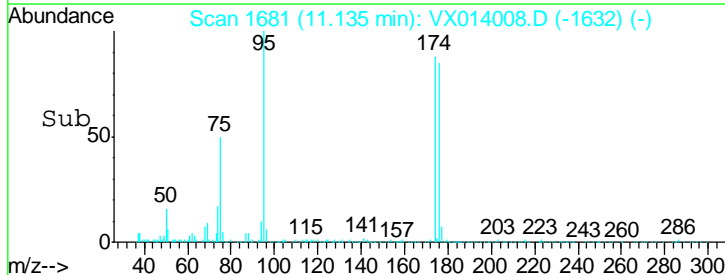
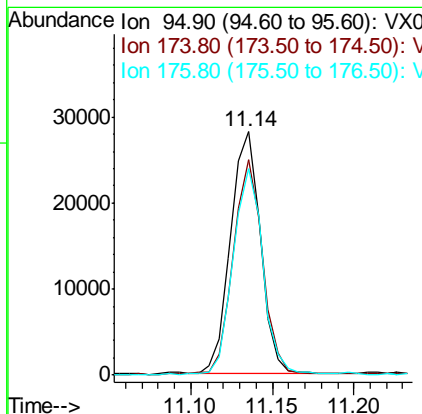
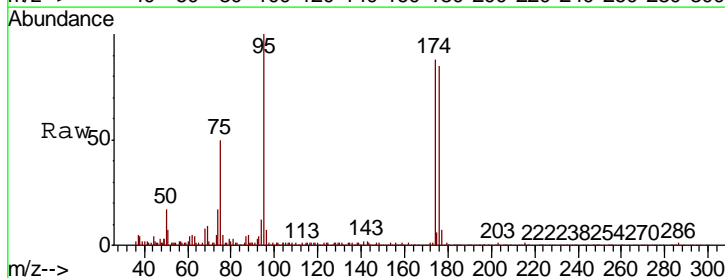
Manual Integrations
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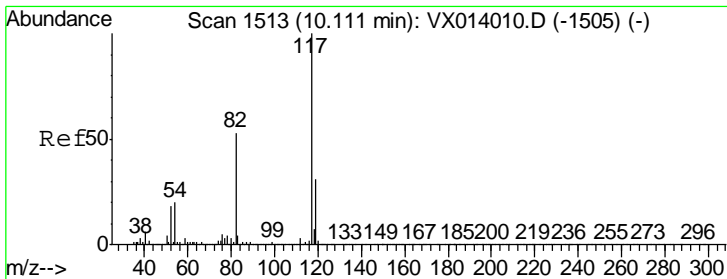
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#62
 4-Bromofluorobenzene
 Concen: 4.956 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
95	36096		
95	100		
174	88.0	0.0	175.8
176	85.6	0.0	173.0



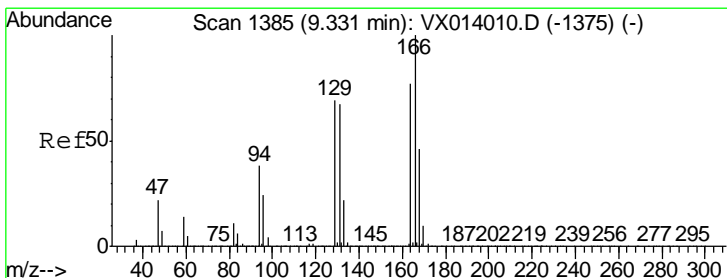
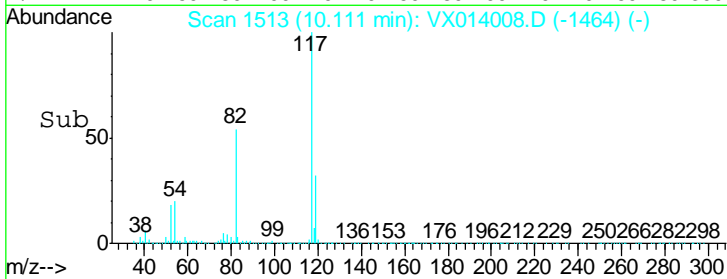
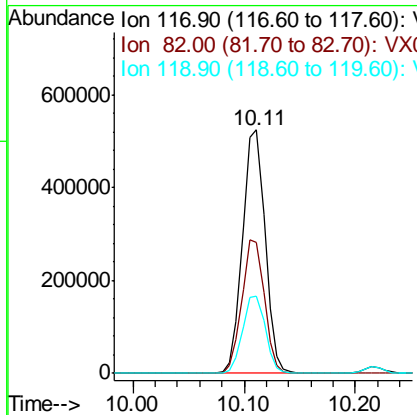
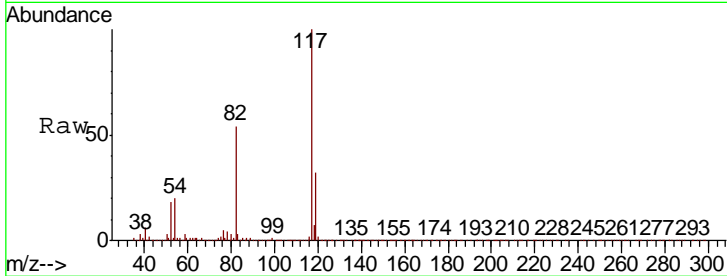


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

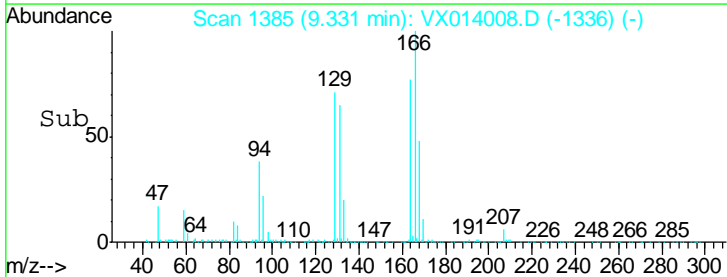
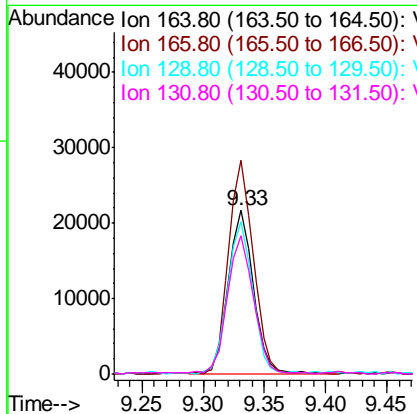
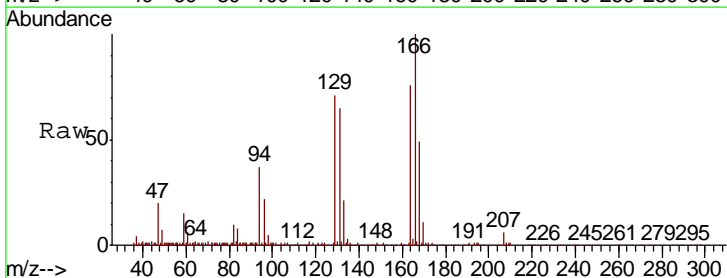
Tgt Ion	Resp	Lower	Upper
117	100		
82	53.6	42.2	63.4
119	31.9	25.1	37.7

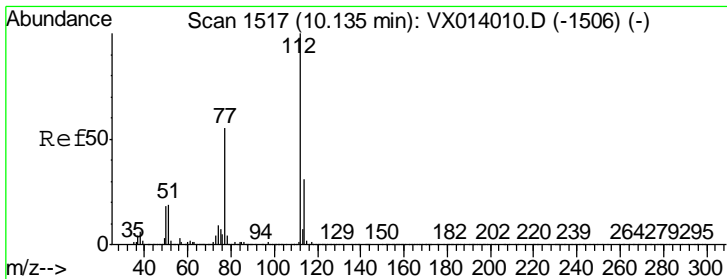
Manual Integrations
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#64
 Tetrachloroethene
 Concen: 5.412 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
164	100		
166	130.2	104.0	156.0
129	93.3	72.2	108.4
131	84.8	69.6	104.4





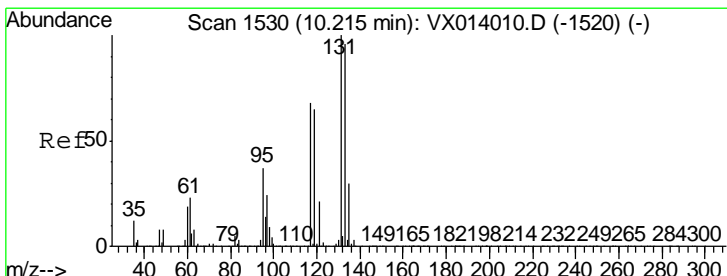
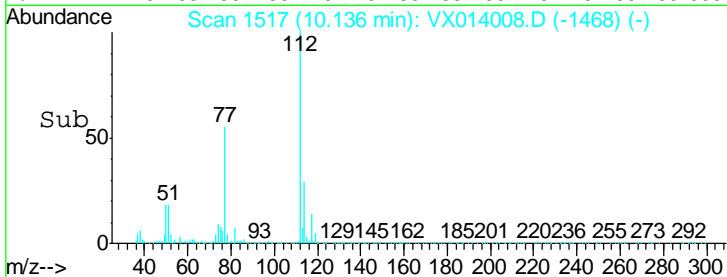
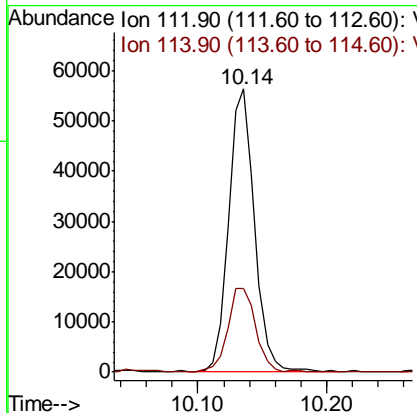
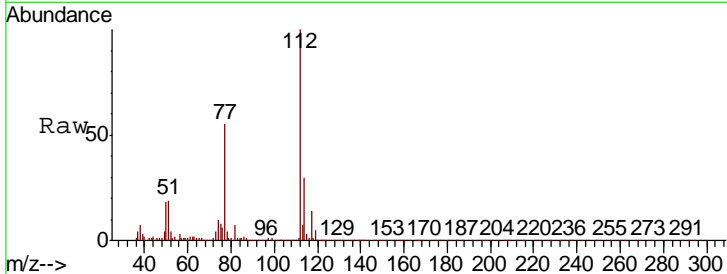
#65
 Chlorobenzene
 Concen: 5.128 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
112	79345		
114	29.4	24.9	37.3

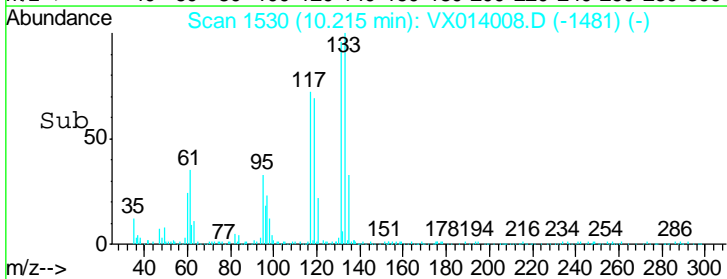
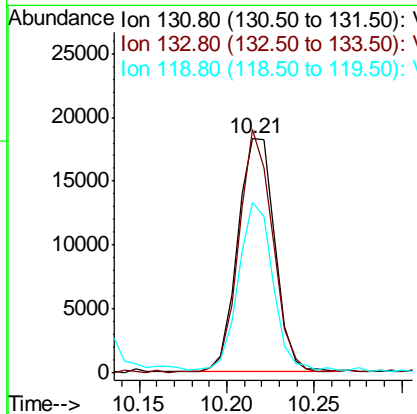
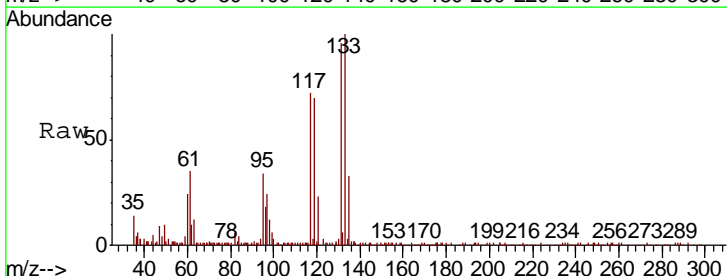
Manual Integrations
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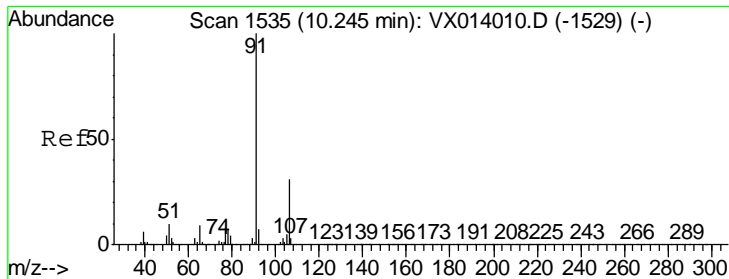
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 4.854 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
131	26889		
133	93.5	48.0	144.0
119	66.7	33.4	100.2





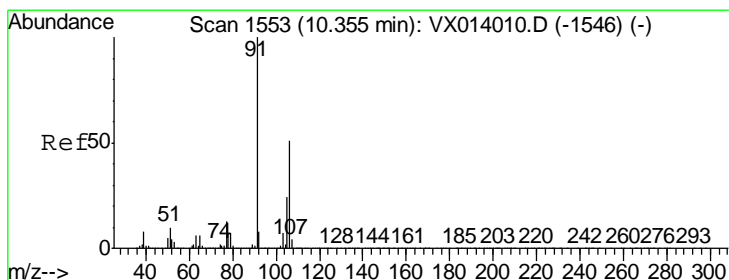
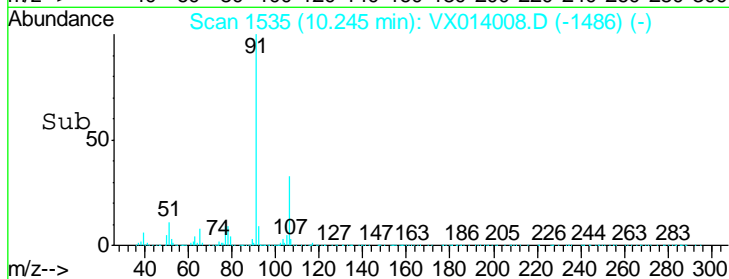
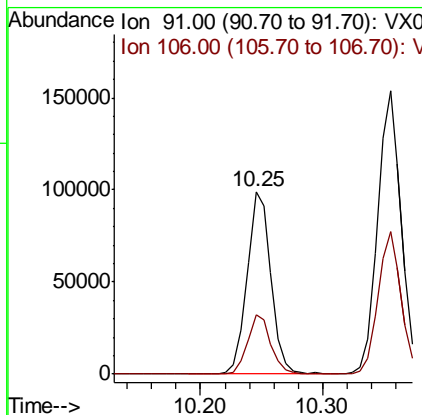
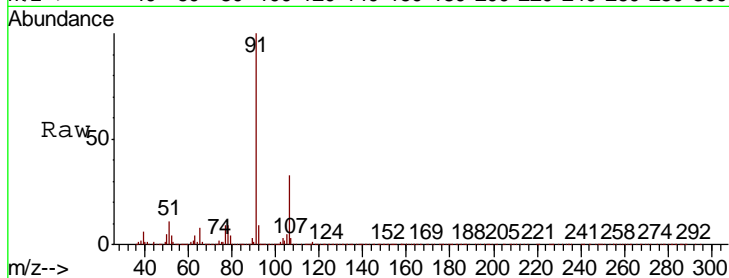
#67
Ethyl Benzene
Concen: 5.024 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
106	32.8	25.0	37.6

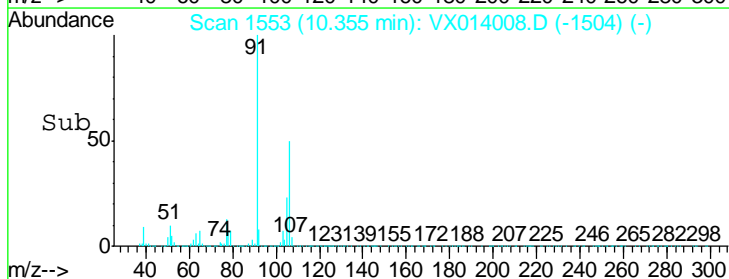
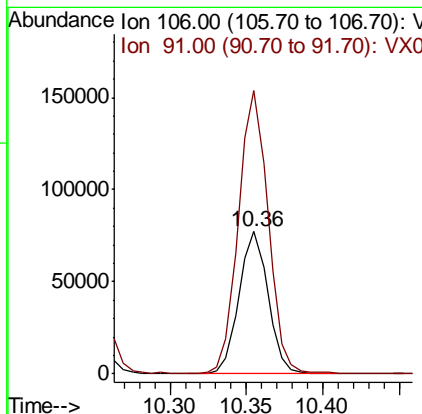
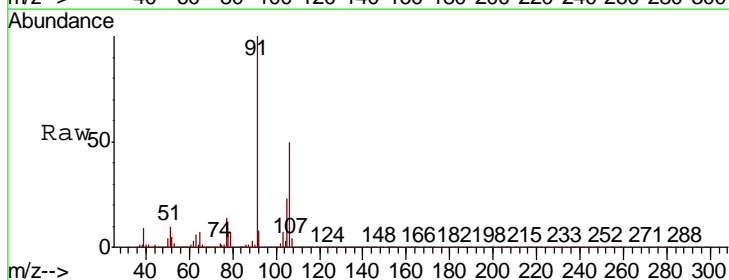
Manual Integrations
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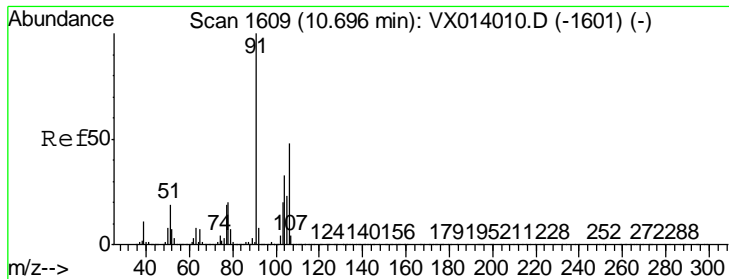
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#68
m/p-Xylenes
Concen: 10.088 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014008.D
Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.9	158.6	238.0





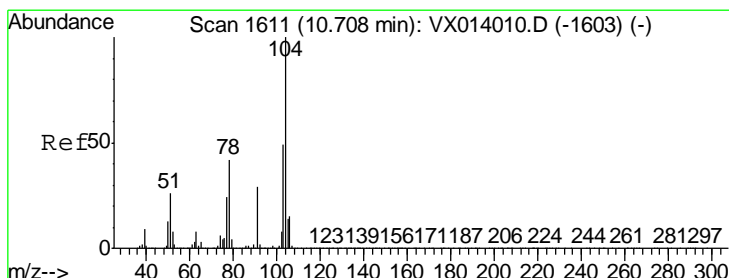
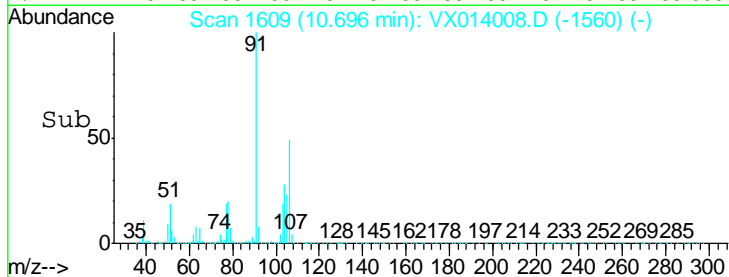
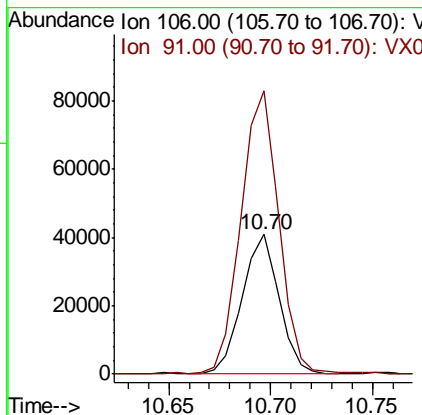
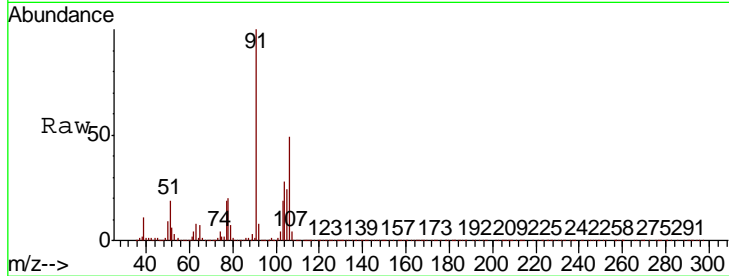
#69
 o-Xylene
 Concen: 5.141 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.6	104.2	312.6

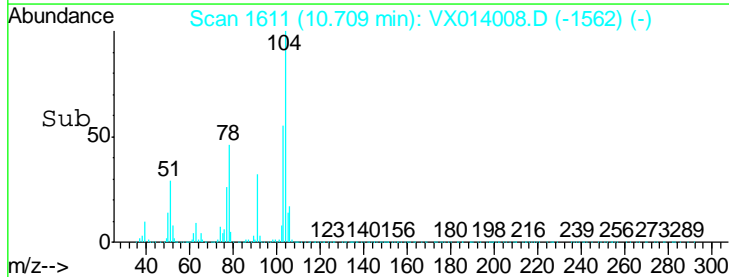
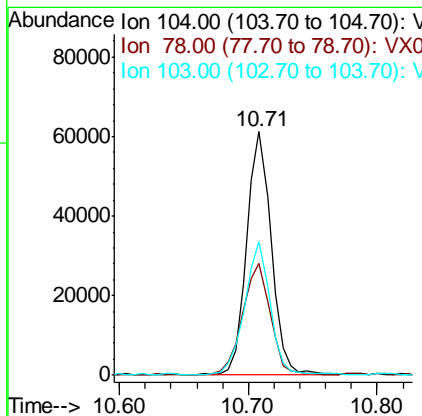
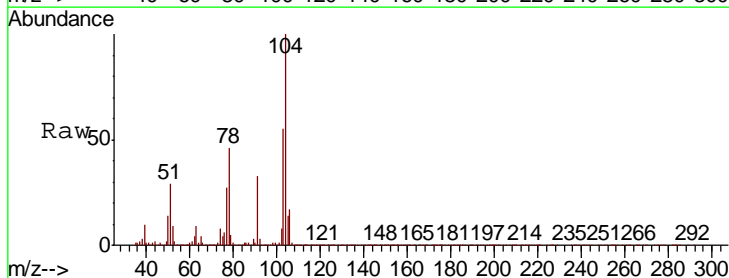
Manual Integrations
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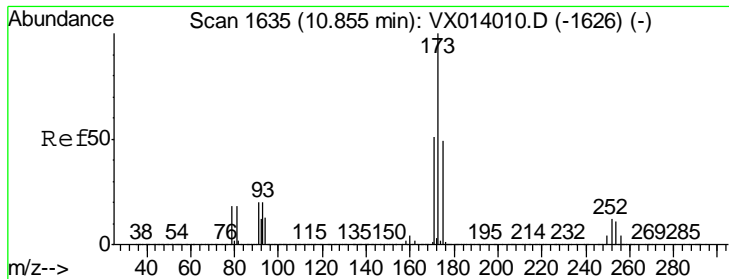
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#70
 Styrene
 Concen: 4.760 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.5	38.5	57.7
103	57.1	42.9	64.3





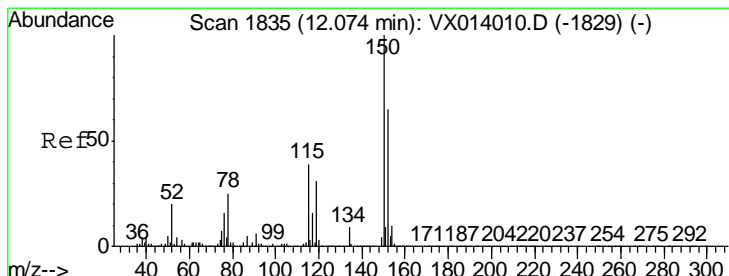
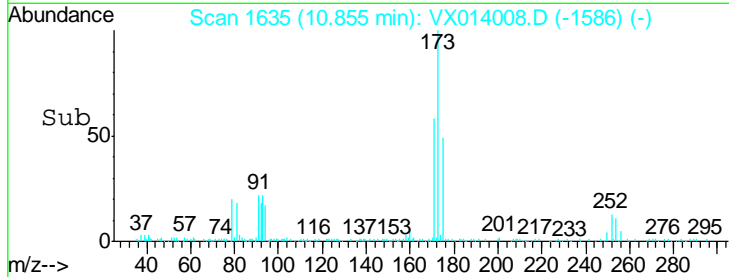
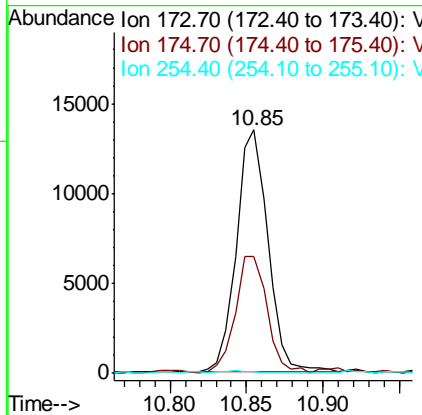
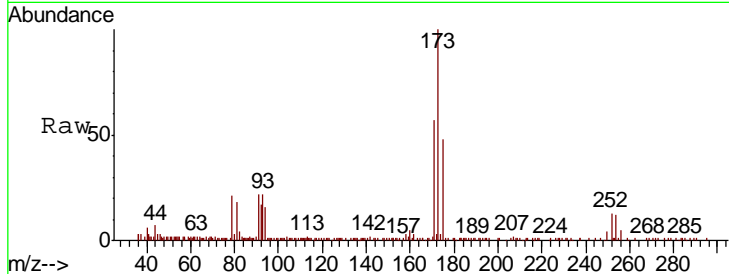
#71
 Bromoform
 Concen: 4.212 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
173	19246		
175	49.2	24.4	73.4
254	1.0	0.2	0.2

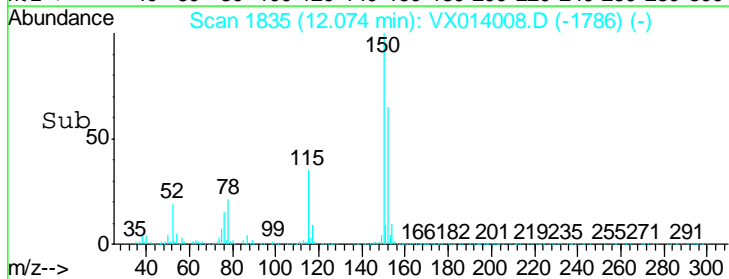
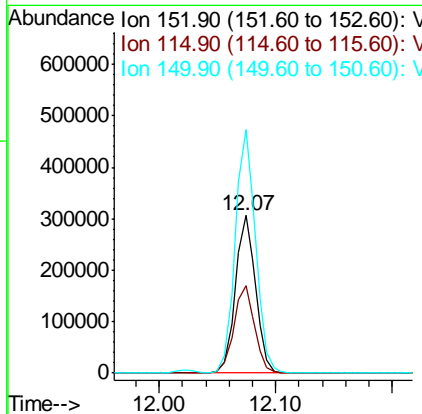
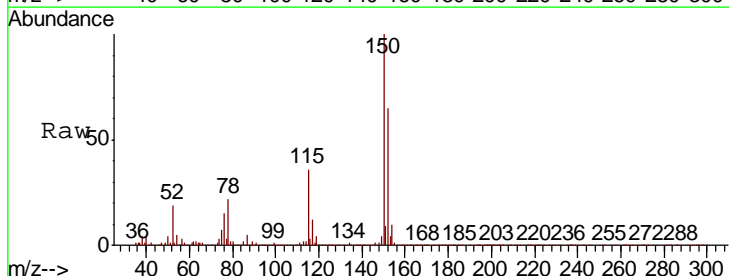
Manual Integrations
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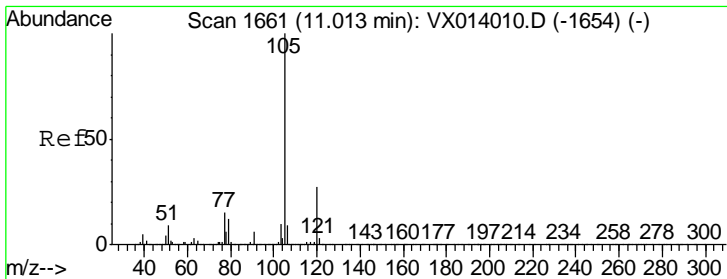
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
152	367559		
152	100		
115	56.9	38.3	114.9
150	157.0	0.0	345.4





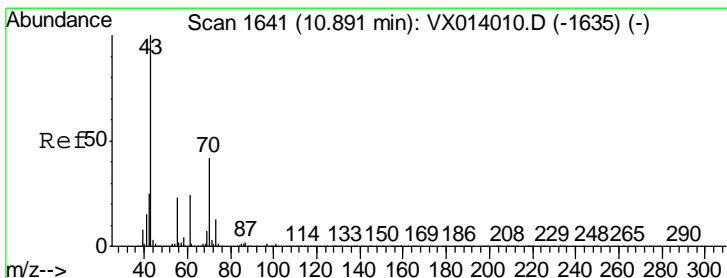
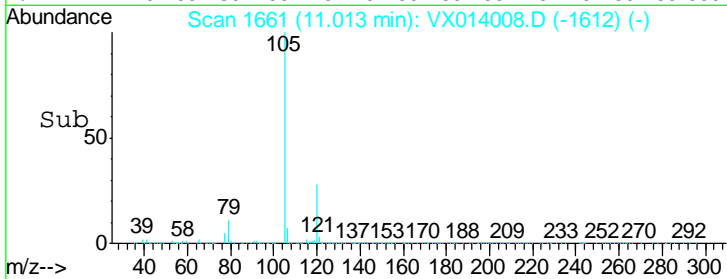
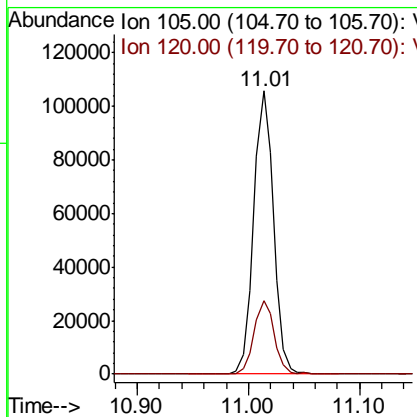
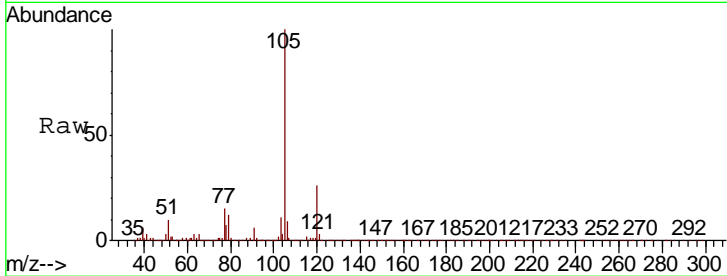
#73
 Isopropylbenzene
 Concen: 5.092 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	131468		
120	26.3	13.5	40.4

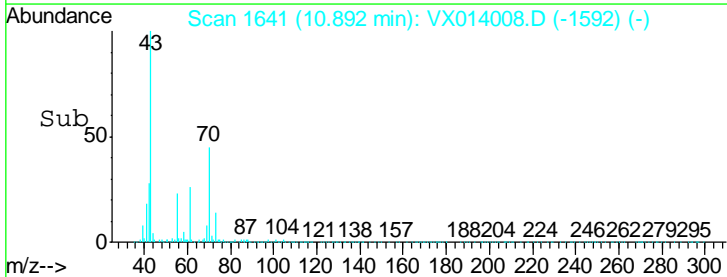
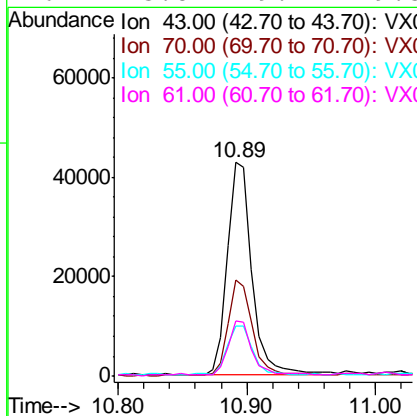
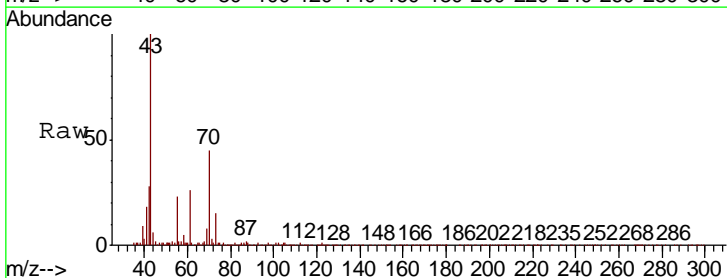
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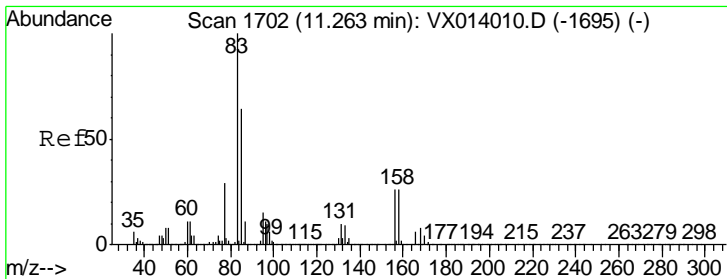
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#74
 N-amyl acetate
 Concen: 4.920 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
43	58191		
70	43.5	34.4	51.6
55	23.8	19.1	28.7
61	23.8	19.7	29.5





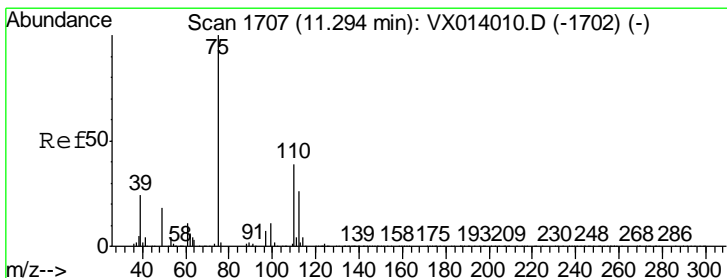
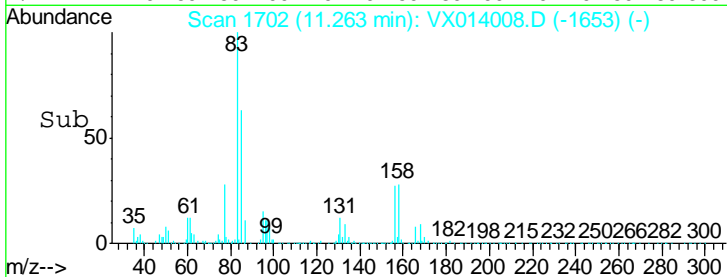
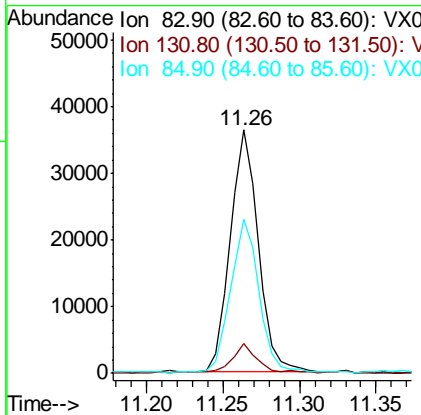
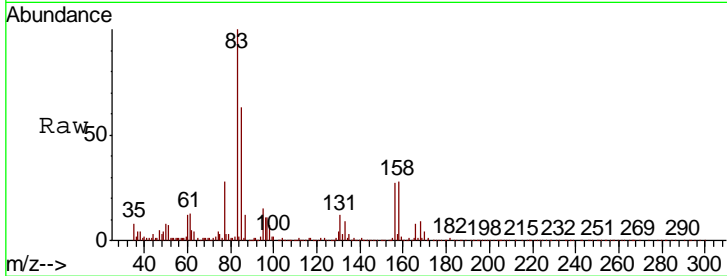
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.175 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	46256		
83	100		
131	10.7	5.1	15.2
85	64.6	31.9	95.7

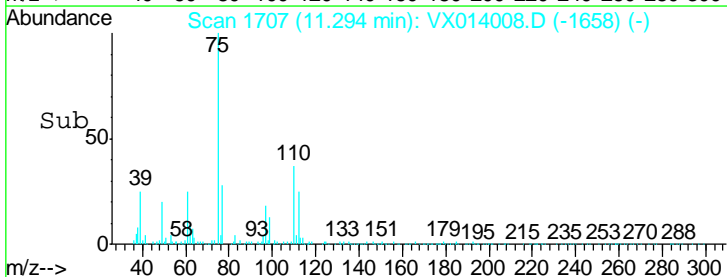
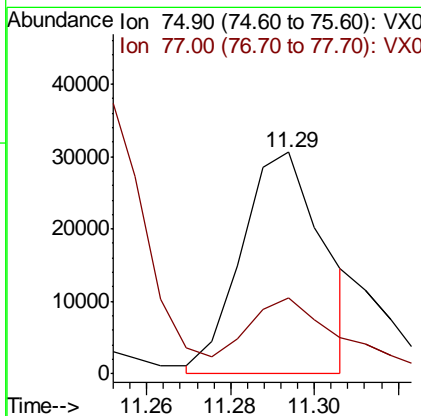
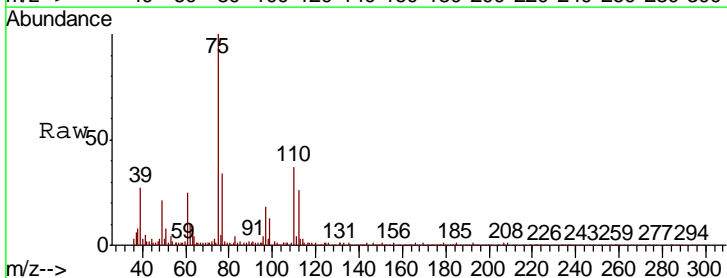
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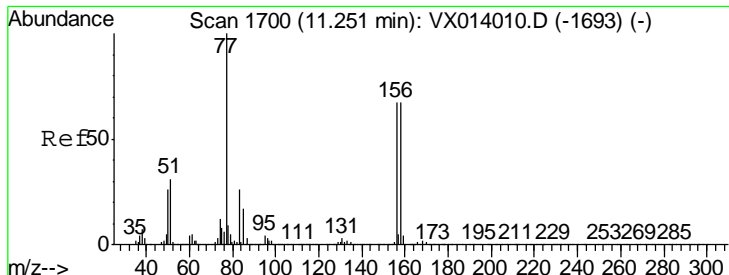
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#76
 1,2,3-Trichloropropane
 Concen: 5.030 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
75	41405		
75	100		
77	38.6	19.3	57.8





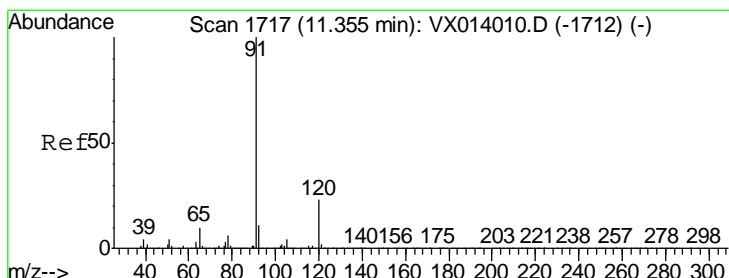
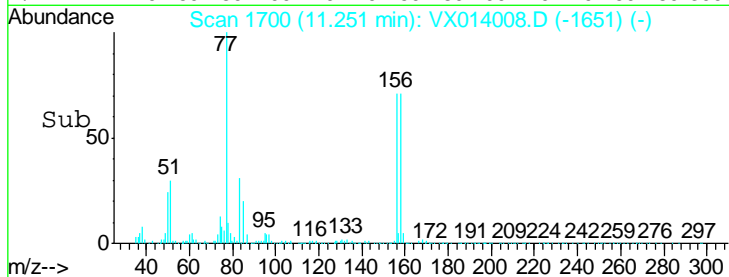
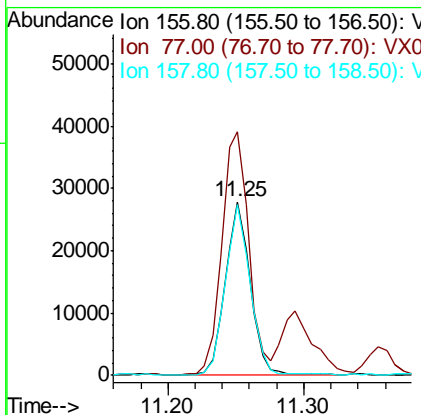
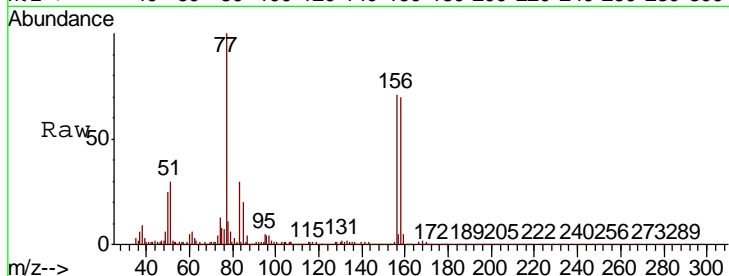
#77
 Bromobenzene
 Concen: 5.076 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	35322		
77	150.3	76.5	229.5
158	97.7	49.3	147.9

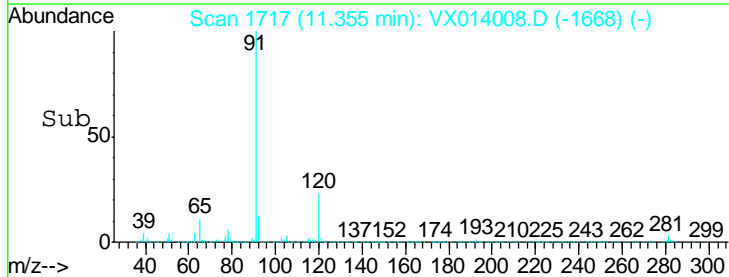
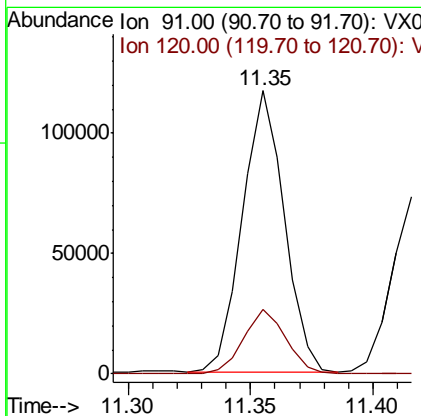
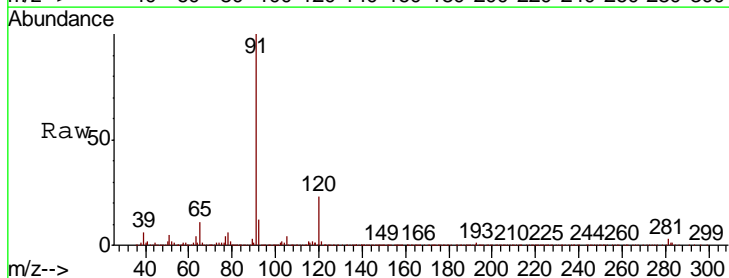
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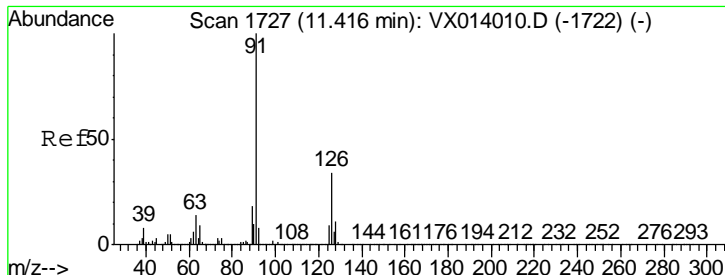
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#78
 n-propylbenzene
 Concen: 4.813 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
91	138951		
120	23.1	11.7	35.0





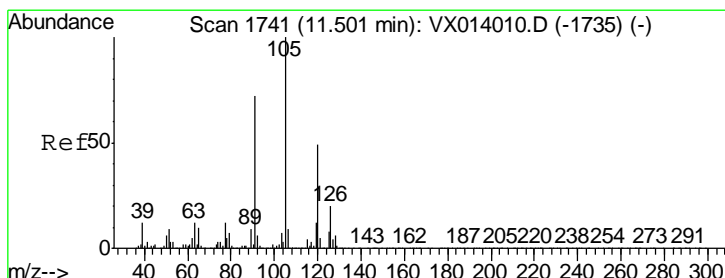
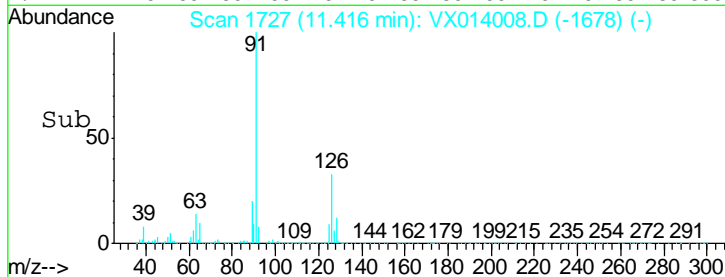
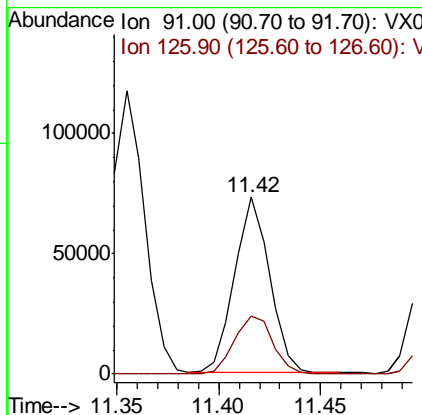
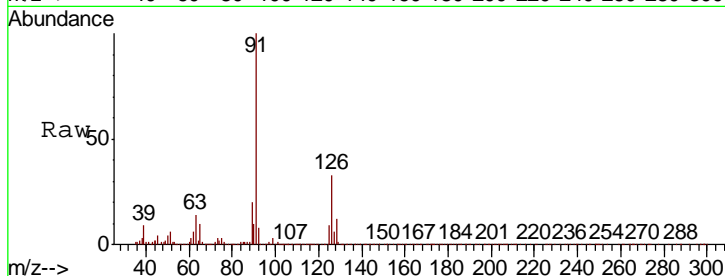
#79
 2-Chlorotoluene
 Concen: 5.026 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	87285	100	
126	36.2	17.2	51.6

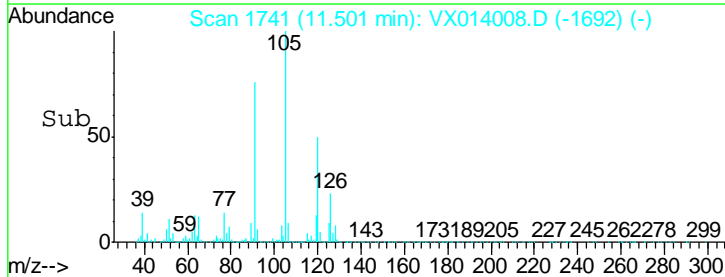
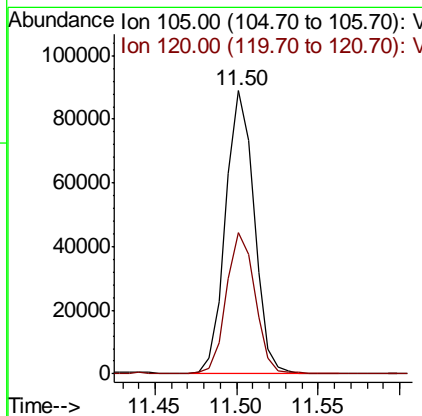
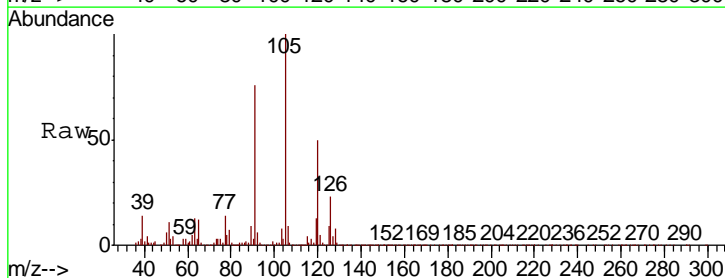
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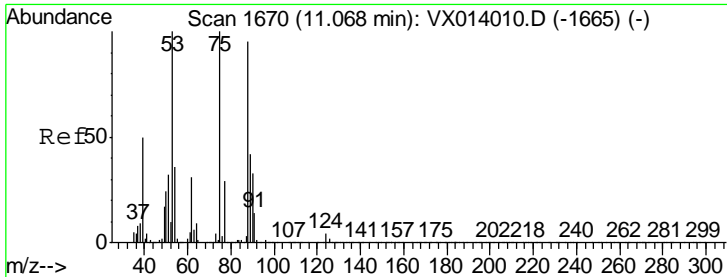
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.069 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
105	107560	100	
120	50.1	25.3	75.8





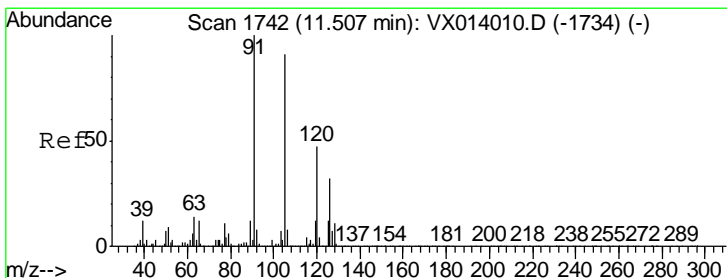
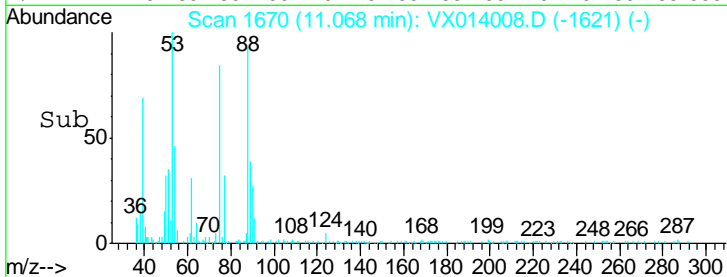
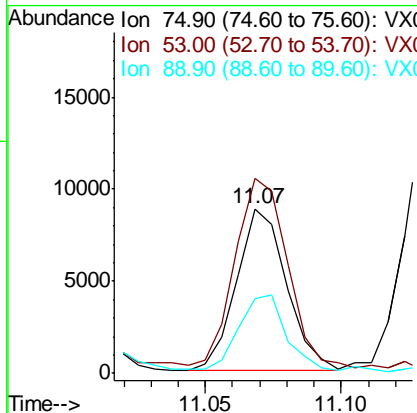
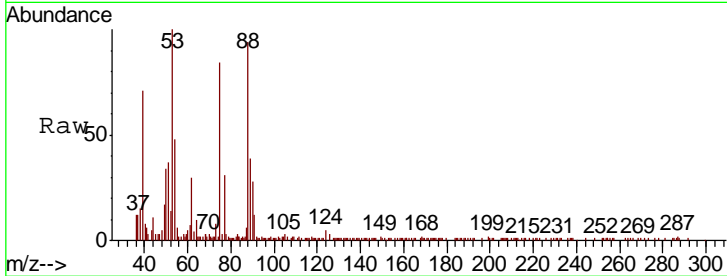
#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.743 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	11240		
75	100		
53	123.9	76.7	115.1#
89	43.0	34.6	51.8

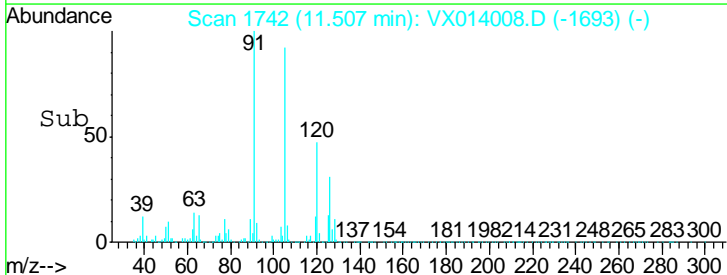
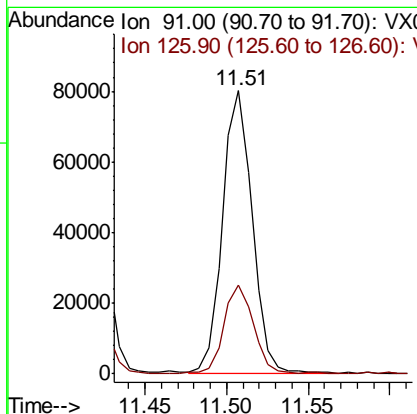
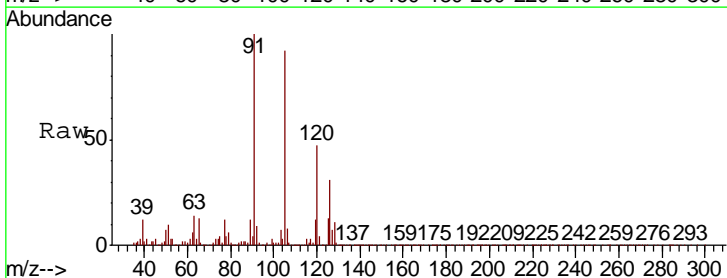
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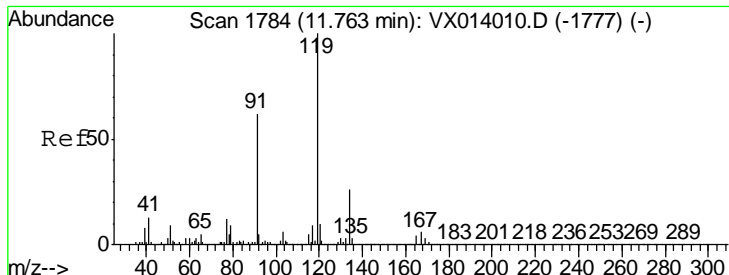
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#82
 4-Chlorotoluene
 Concen: 4.999 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
91	100237		
91	100		
126	30.9	15.6	46.8





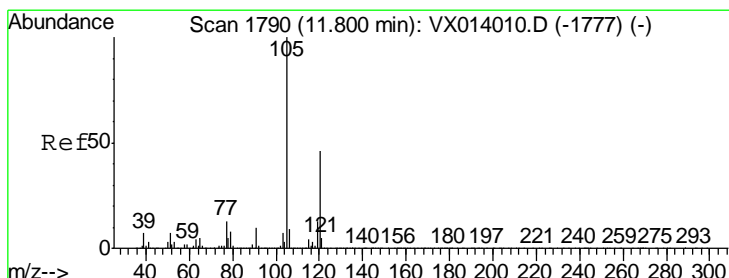
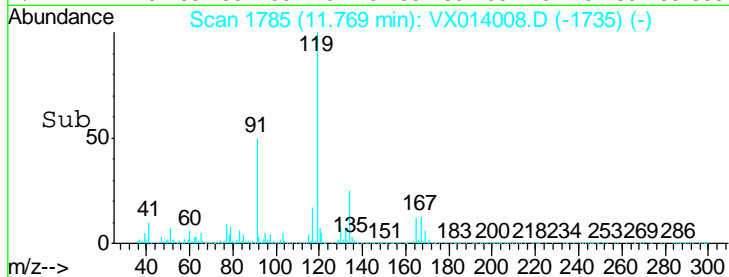
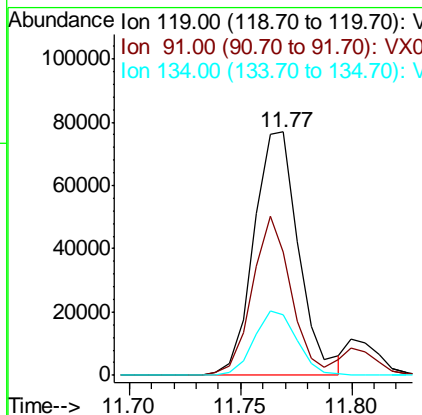
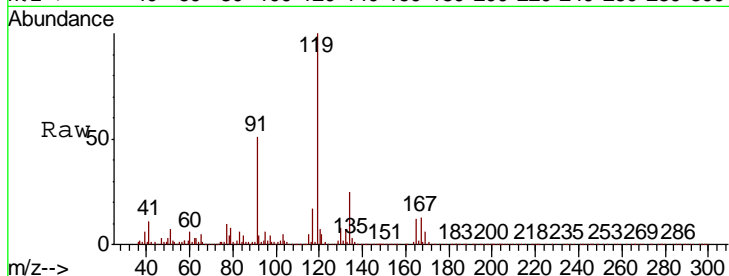
#83
 tert-Butylbenzene
 Concen: 5.033 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
119	107592		
91	56.1	28.5	85.6
134	25.4	12.2	36.6

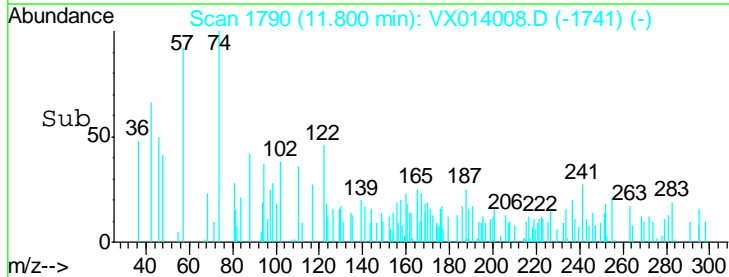
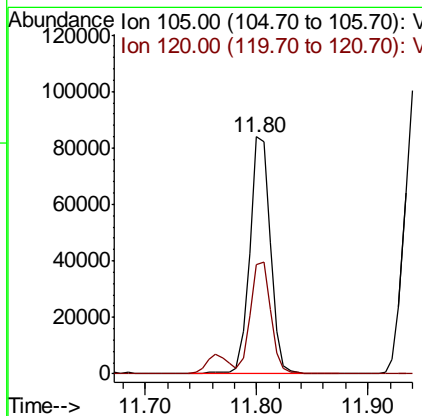
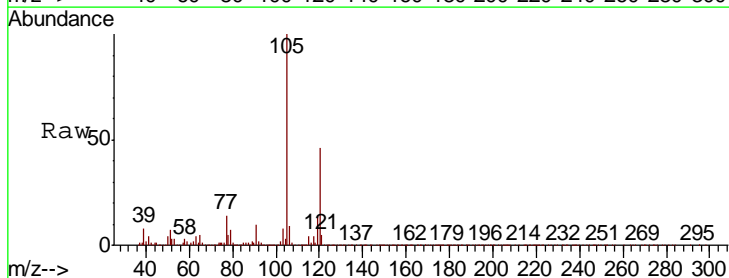
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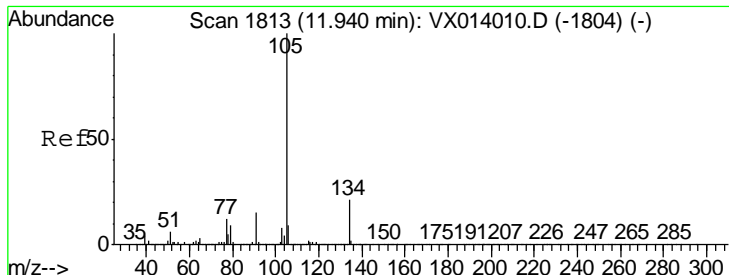
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.001 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
105	107624		
120	46.2	23.1	69.2





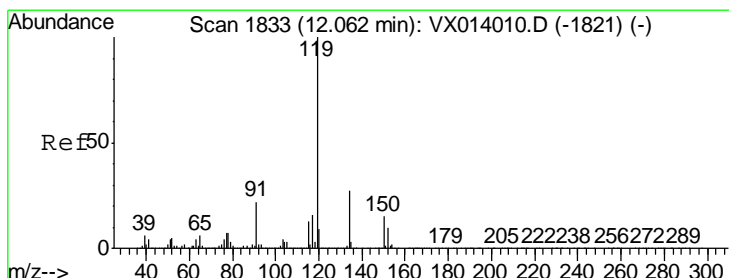
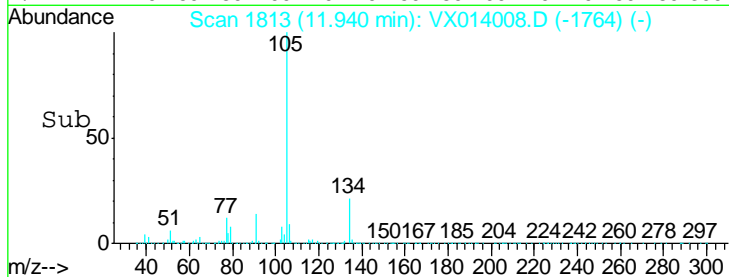
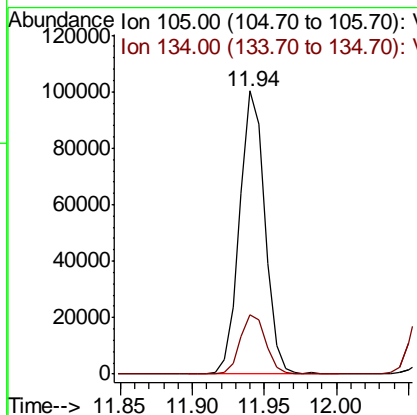
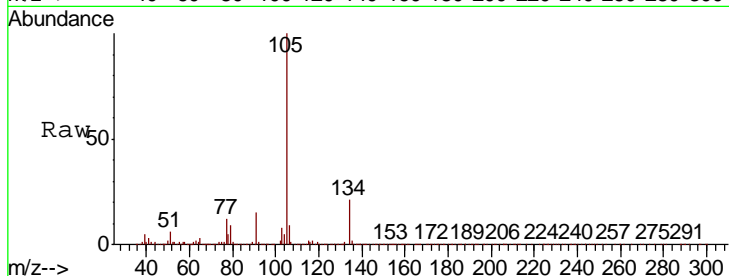
#85
 sec-Butylbenzene
 Concen: 4.950 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	121785		
105	100		
134	21.4	10.4	31.1

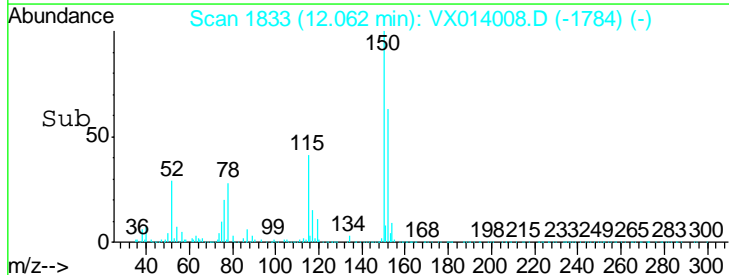
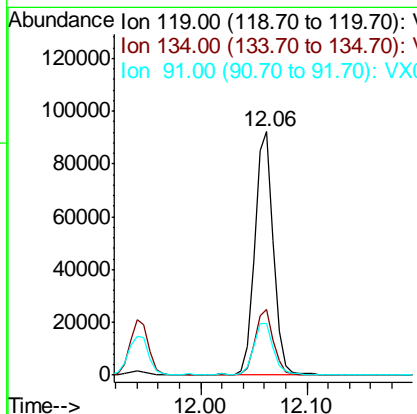
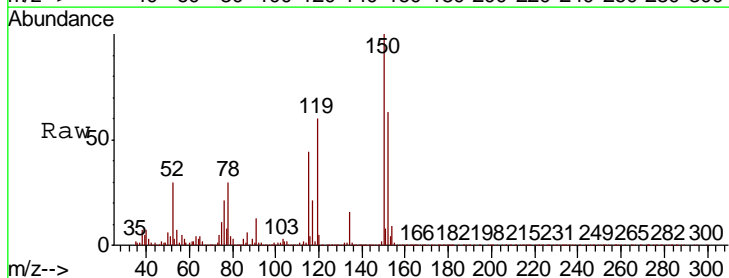
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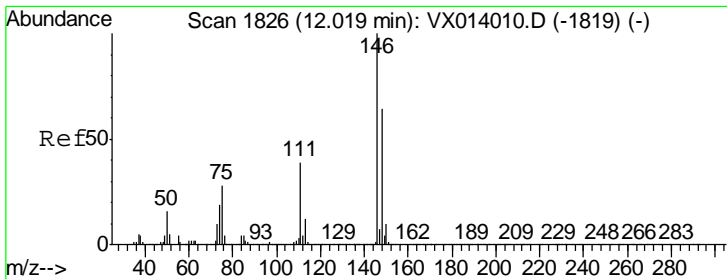
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#86
 p-Isopropyltoluene
 Concen: 4.916 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
119	112360		
119	100		
134	26.8	13.4	40.1
91	22.2	11.4	34.1





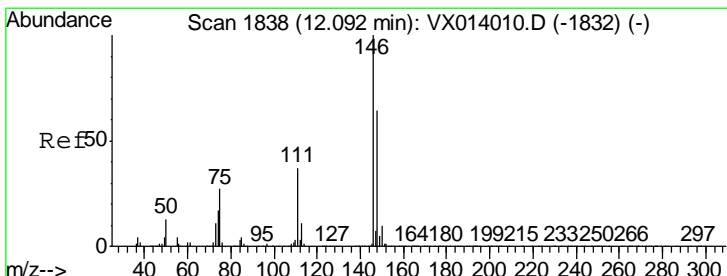
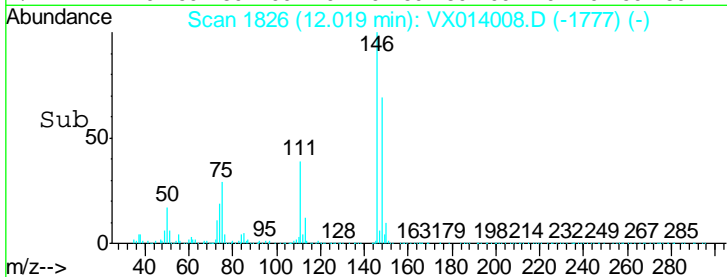
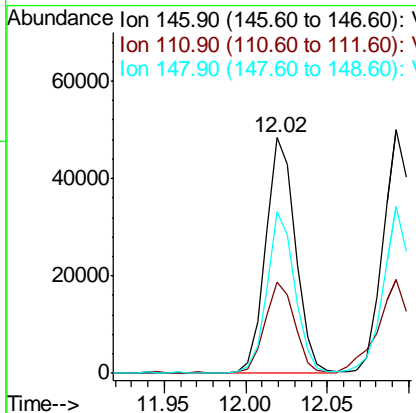
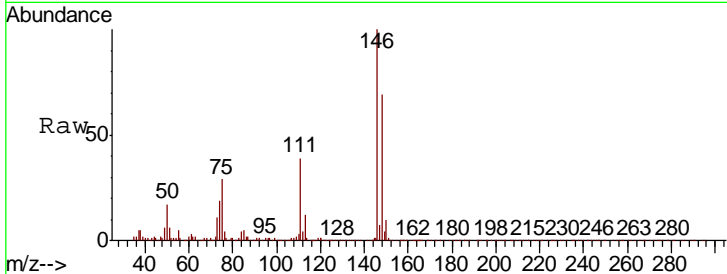
#87
 1,3-Dichlorobenzene
 Concen: 5.022 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	61034		
111	38.0	19.1	57.1
148	64.2	32.3	96.9

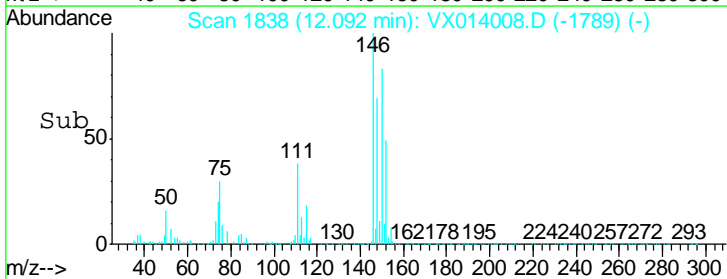
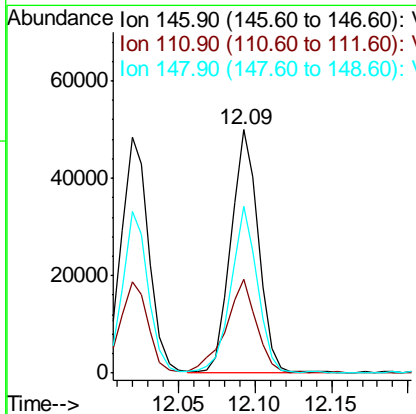
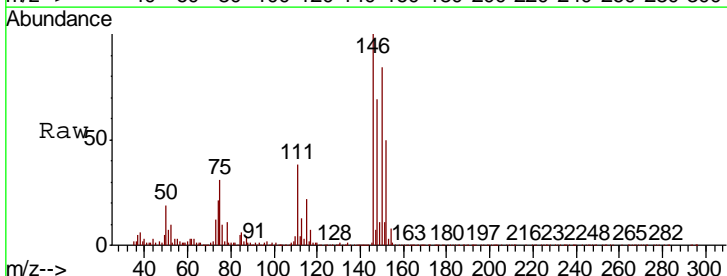
Manual Integrations
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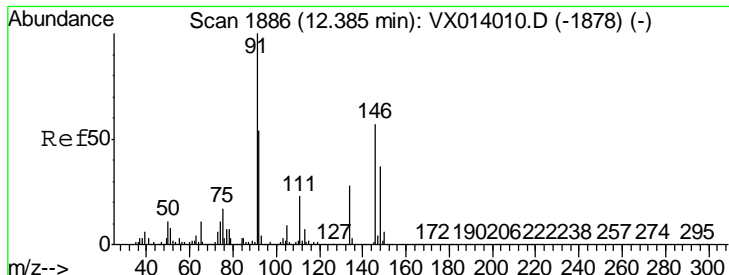
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#88
 1,4-Dichlorobenzene
 Concen: 5.035 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
146	62413		
111	42.3	18.7	56.1
148	65.8	31.9	95.9





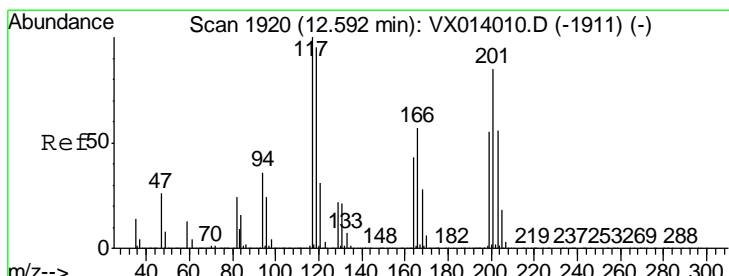
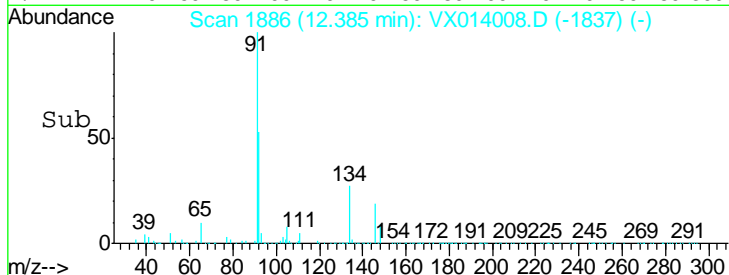
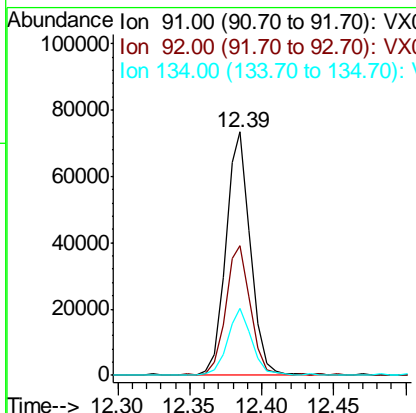
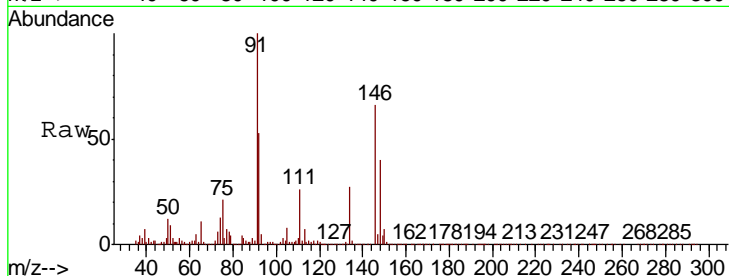
#89
 n-Butylbenzene
 Concen: 4.490 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.2	27.2	81.6
134	26.6	13.4	40.1

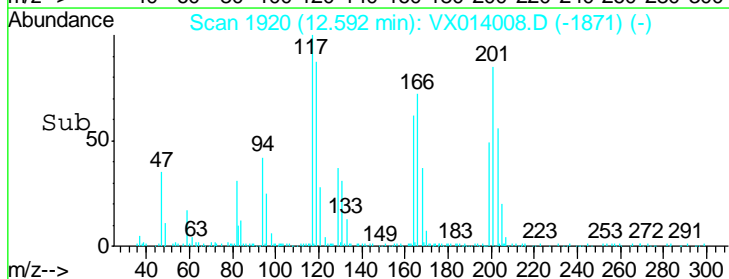
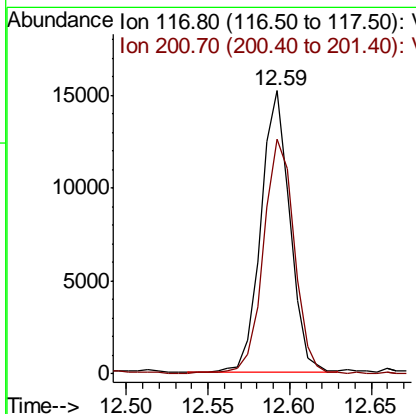
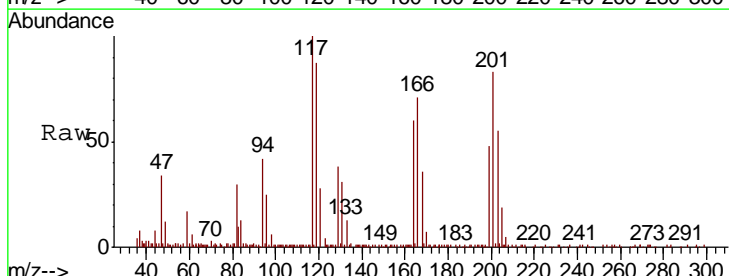
Manual Integrations
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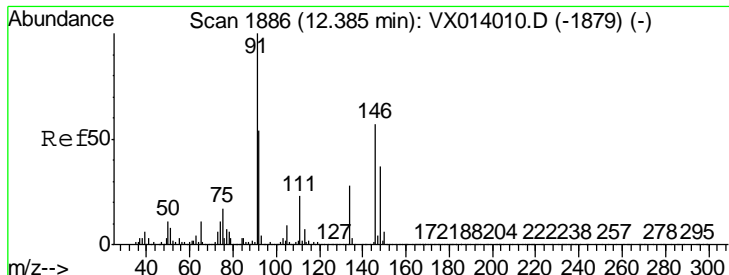
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#90
 Hexachloroethane
 Concen: 4.485 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
117	100		
201	89.0	43.1	129.3





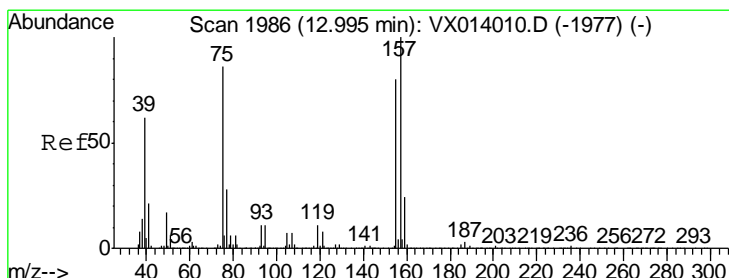
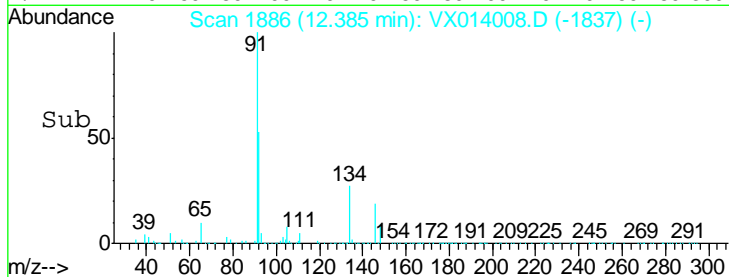
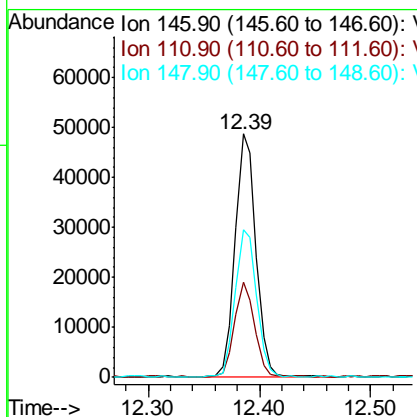
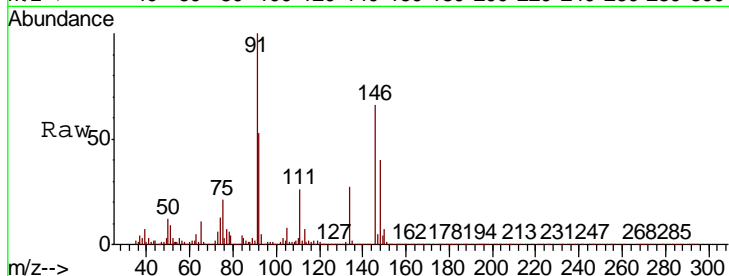
#91
 1,2-Dichlorobenzene
 Concen: 5.270 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	63473		
146	100		
111	38.1	19.7	59.1
148	62.9	32.1	96.5

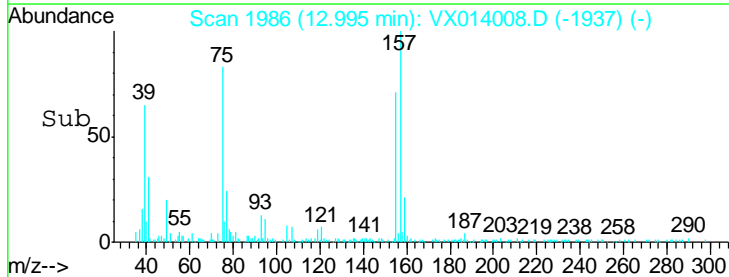
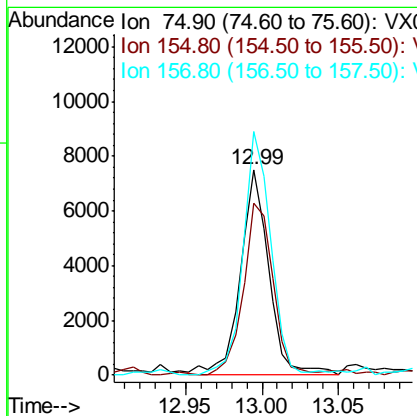
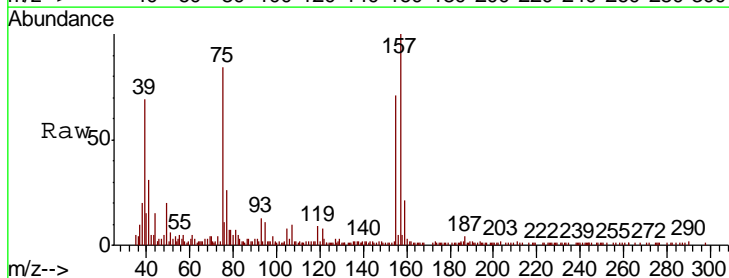
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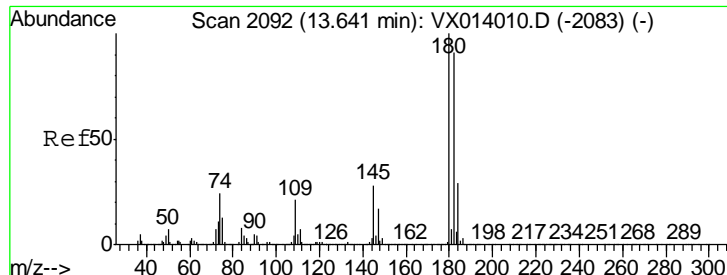
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.056 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
75	9746		
75	100		
155	86.8	46.9	140.6
157	114.8	60.8	182.4





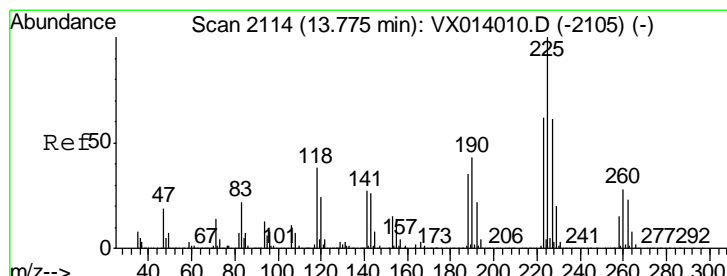
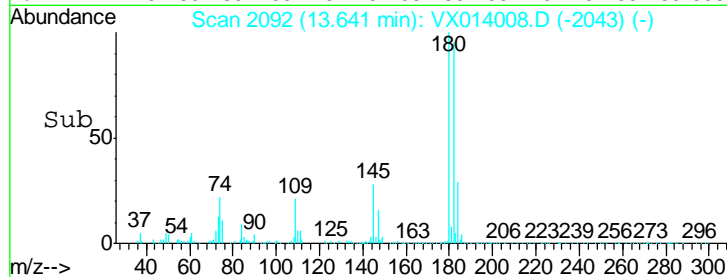
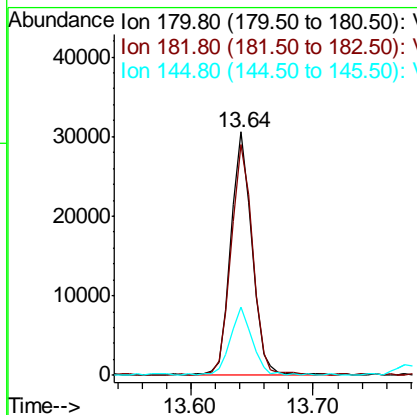
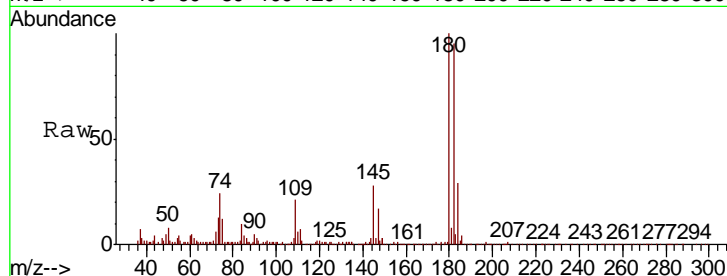
#93
 1,2,4-Trichlorobenzene
 Concen: 4.408 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.8	46.6	139.8
145	28.6	14.2	42.6

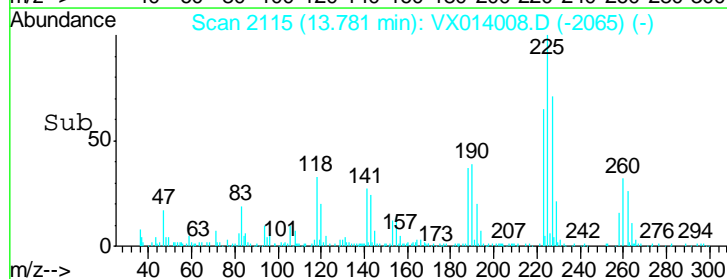
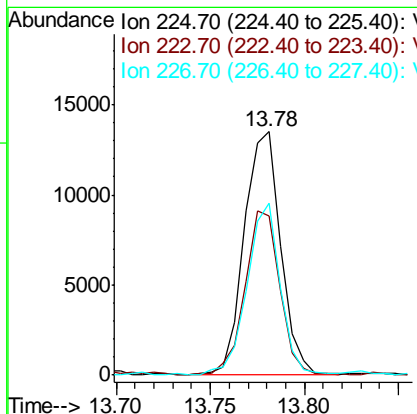
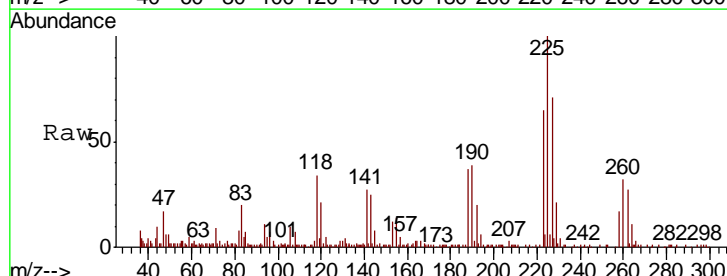
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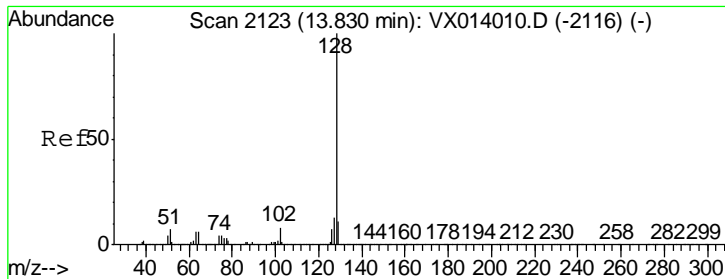
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#94
 Hexachlorobutadiene
 Concen: 4.507 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
225	100		
223	64.8	30.9	92.5
227	64.7	30.9	92.7





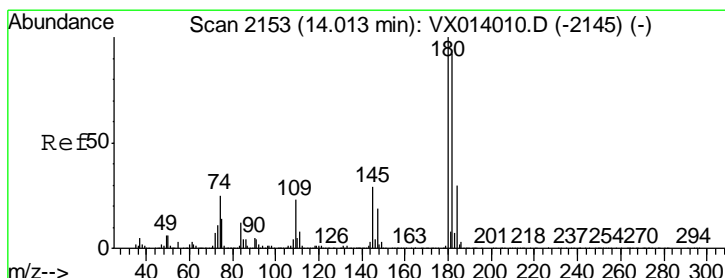
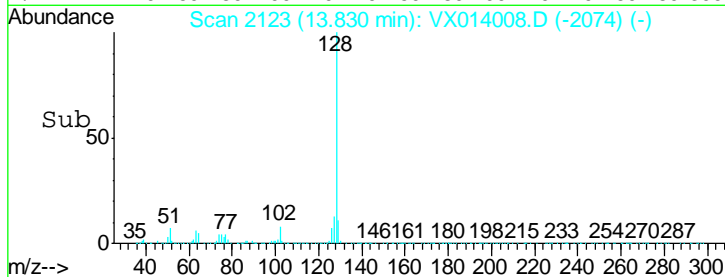
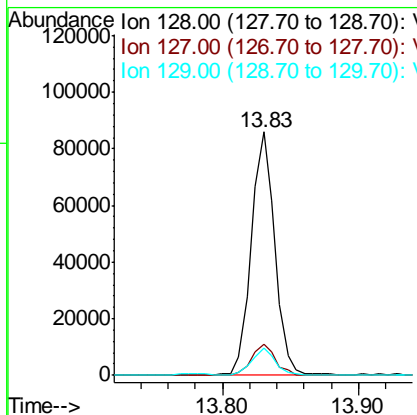
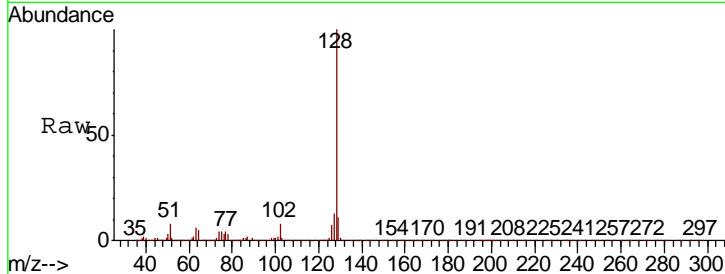
#95
 Naphthalene
 Concen: 4.239 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Instrument : MSVOA_X
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
128	104752		
127	13.1	10.2	15.4
129	11.3	8.7	13.1

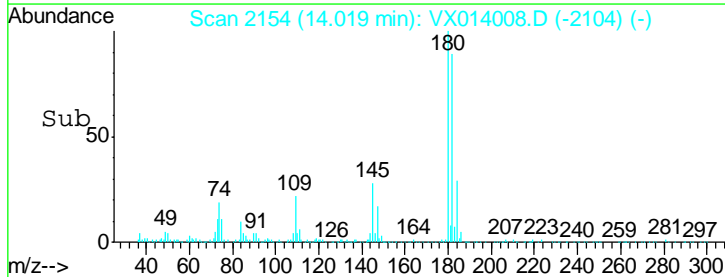
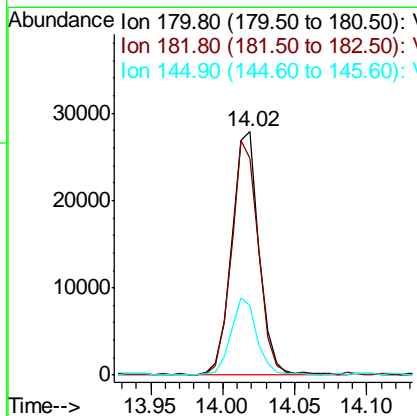
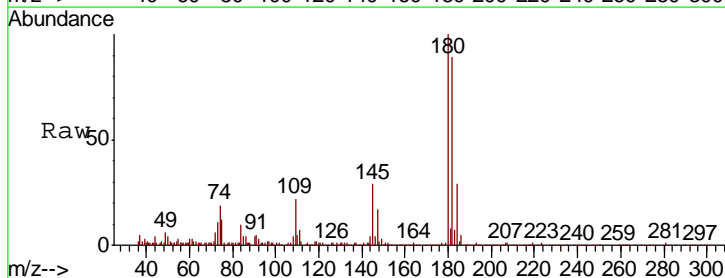
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#96
 1,2,3-Trichlorobenzene
 Concen: 4.492 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014008.D
 Acq: 13 Dec 2019 15:12

Tgt Ion	Resp	Lower	Upper
180	37168		
182	94.9	46.8	140.3
145	30.9	14.8	44.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121319\
 Data File : VX014009.D
 Acq On : 13 Dec 2019 15:36
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC020

Manual Integrations
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 12/16/2019 12:46:00 PM

Quant Time: Dec 13 16:53:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	561172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	855896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	385975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	116759	17.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.80%	
35) Dibromofluoromethane	5.49	113	94491	17.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.52%	
50) Toluene-d8	8.71	98	377231	18.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.28%	
62) 4-Bromofluorobenzene	11.13	95	132465	17.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.22%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	100145	16.693	ug/l 99
3) Chloromethane	1.32	50	134379	19.355	ug/l 100
4) Vinyl Chloride	1.40	62	138115	17.985	ug/l 99
5) Bromomethane	1.63	94	97452	18.548	ug/l 98
6) Chloroethane	1.70	64	84586	18.891	ug/l 90
7) Trichlorofluoromethane	1.92	101	171935	19.562	ug/l 98
8) Diethyl Ether	2.18	74	78262	19.701	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	103036	19.274	ug/l 98
10) Methyl Iodide	2.50	142	121438	18.704	ug/l 98
11) Tert butyl alcohol	3.04	59	130340	83.396	ug/l 99
12) 1,1-Dichloroethene	2.36	96	103108	19.340	ug/l 95
13) Acrolein	2.28	56	69453	75.486	ug/l 100
14) Allyl chloride	2.72	41	188334	19.482	ug/l 99
15) Acrylonitrile	3.13	53	314077	95.565	ug/l 99
16) Acetone	2.44	43	442352	130.969	ug/l 99
17) Carbon Disulfide	2.56	76	289015	18.978	ug/l 99
18) Methyl Acetate	2.76	43	157554	18.036	ug/l 97
19) Methyl tert-butyl Ether	3.19	73	347847	19.657	ug/l 97
20) Methylene Chloride	2.85	84	122540	19.786	ug/l 97
21) trans-1,2-Dichloroethene	3.15	96	112594	19.351	ug/l 98
22) Diisopropyl ether	3.84	45	379412	20.286	ug/l 98
23) Vinyl Acetate	3.80	43	1591288	102.476	ug/l 100
24) 1,1-Dichloroethane	3.69	63	202585	19.815	ug/l 98
25) 2-Butanone	4.66	43	531013	110.165	ug/l 100
26) 2,2-Dichloropropane	4.57	77	159499	18.932	ug/l 99
27) cis-1,2-Dichloroethene	4.58	96	129255	19.357	ug/l 98
28) Bromochloromethane	5.00	49	83871	23.237	ug/l 99
29) Tetrahydrofuran	5.12	42	278007	95.681	ug/l 98
30) Chloroform	5.20	83	198154	19.149	ug/l 100
31) Cyclohexane	5.57	56	188485	19.501	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	165760	19.179	ug/l 100
36) 1,1-Dichloropropene	5.79	75	150043	19.299	ug/l 99
37) Ethyl Acetate	4.82	43	176262	20.322	ug/l 100
38) Carbon Tetrachloride	5.78	117	137619	19.190	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014009.D
 Acq On : 13 Dec 2019 15:36
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC020

Manual Integrations
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Quant Time: Dec 13 16:53:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188922	19.624	ug/l	99
40) Benzene	6.14	78	467882	19.717	ug/l	99
41) Methacrylonitrile	5.03	41	98272	20.757	ug/l	97
42) 1,2-Dichloroethane	6.18	62	164380	20.343	ug/l	98
43) Isopropyl Acetate	6.43	43	278854	19.464	ug/l	99
44) Trichloroethene	7.20	130	123460	19.026	ug/l	97
45) 1,2-Dichloropropane	7.51	63	121446	20.417	ug/l	98
46) Dibromomethane	7.65	93	77866	19.342	ug/l	99
47) Bromodichloromethane	7.89	83	146845	19.300	ug/l	98
48) Methyl methacrylate	7.76	41	138872	19.994	ug/l	99
49) 1,4-Dioxane	7.74	88	57224	374.066	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	901825	100.248	ug/l	99
52) Toluene	8.78	92	297851	20.179	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	163783	18.924	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	186886	19.745	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	122064	20.547	ug/l	97
56) Ethyl methacrylate	9.17	69	190229	19.884	ug/l	99
57) 1,3-Dichloropropane	9.37	76	201576	19.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	369372	98.492	ug/l	99
59) 2-Hexanone	9.49	43	751678	106.184	ug/l	98
60) Dibromochloromethane	9.58	129	118485	19.287	ug/l	98
61) 1,2-Dibromoethane	9.67	107	123768	19.532	ug/l	100
64) Tetrachloroethene	9.33	164	124901	20.900	ug/l	98
65) Chlorobenzene	10.14	112	318103	19.673	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	114466	19.771	ug/l	98
67) Ethyl Benzene	10.24	91	554140	19.966	ug/l	99
68) m/p-Xylenes	10.35	106	423145	39.768	ug/l	99
69) o-Xylene	10.70	106	206600	19.910	ug/l	99
70) Styrene	10.71	104	348489	19.907	ug/l	99
71) Bromoform	10.85	173	86794	18.175	ug/l #	100
73) Isopropylbenzene	11.01	105	544940	20.101	ug/l	100
74) N-amyl acetate	10.89	43	252737	20.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	188950	20.130	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	171818m	19.876	ug/l	
77) Bromobenzene	11.25	156	143527	19.642	ug/l	97
78) n-propylbenzene	11.35	91	609085	20.092	ug/l	100
79) 2-Chlorotoluene	11.42	91	367875	20.172	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	457399	20.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55573	17.623	ug/l	92
82) 4-Chlorotoluene	11.51	91	420244	19.957	ug/l	99
83) tert-Butylbenzene	11.76	119	442556	19.713	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	457262	20.233	ug/l	100
85) sec-Butylbenzene	11.94	105	513400	19.872	ug/l	100
86) p-Isopropyltoluene	12.06	119	475332	19.806	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	249596	19.556	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	246732	18.953	ug/l	99
89) n-Butylbenzene	12.38	91	390195	19.038	ug/l	99
90) Hexachloroethane	12.59	117	82875	19.051	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	251890	19.914	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37989	18.769	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014009.D
 Acq On : 13 Dec 2019 15:36
 Operator : JC/SP
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICC020

Manual Integrations
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Quant Time: Dec 13 16:53:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	156382	17.900	ug/l	98
94) Hexachlorobutadiene	13.78	225	74336	17.583	ug/l	97
95) Naphthalene	13.83	128	485683	18.715	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	159787	18.389	ug/l	99

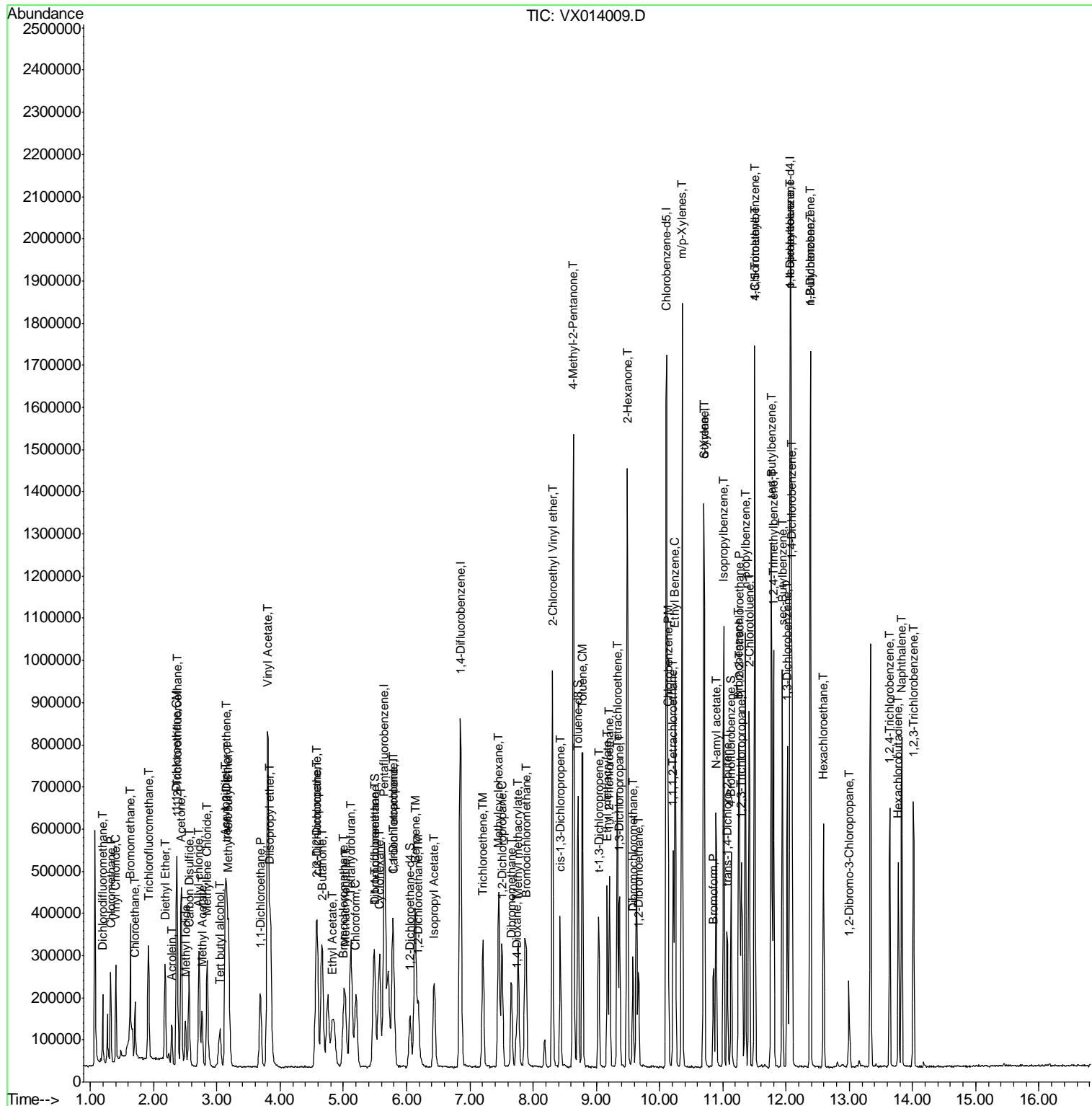
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014009.D
 Acq On : 13 Dec 2019 15:36
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

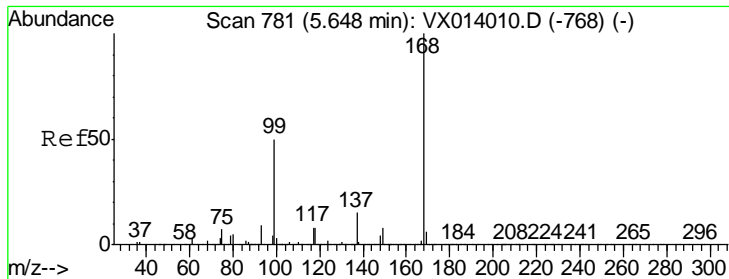
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC020

Manual Integrations
 APPROVED
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 12/16/2019 12:46:00 PM

Quant Time: Dec 13 16:53:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration



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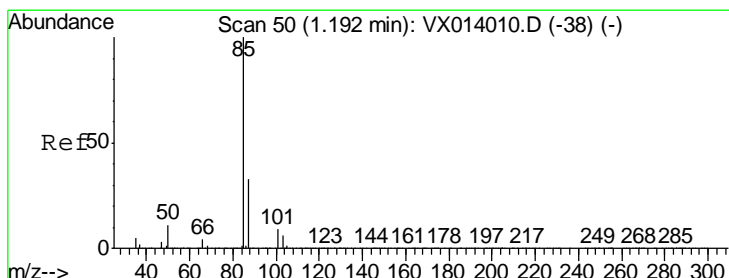
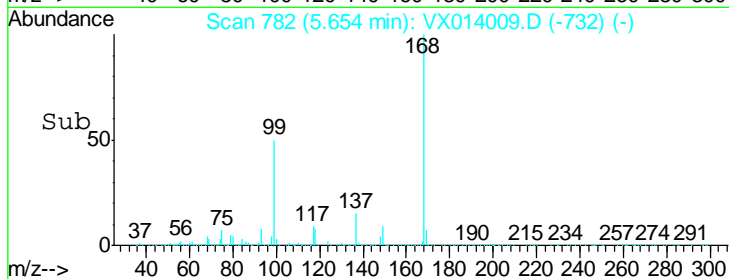
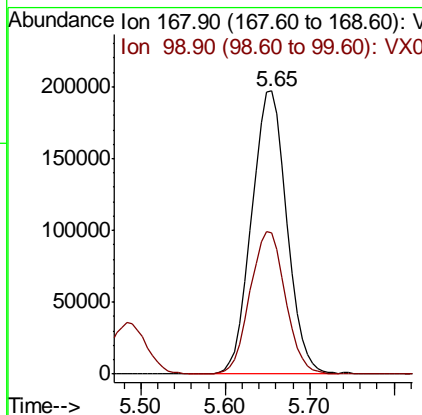
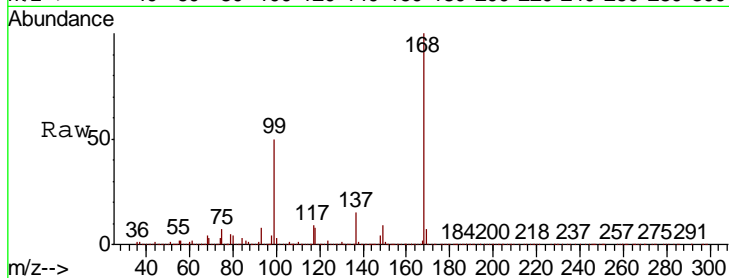
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	561172		
99	49.8	40.3	60.5

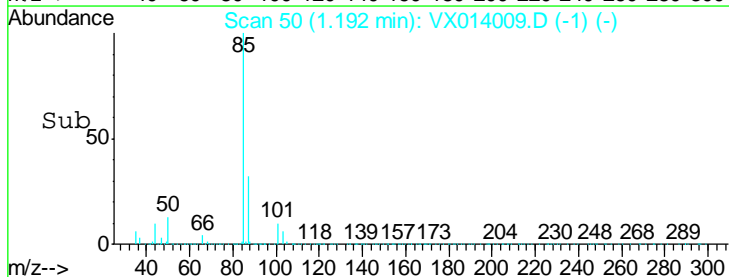
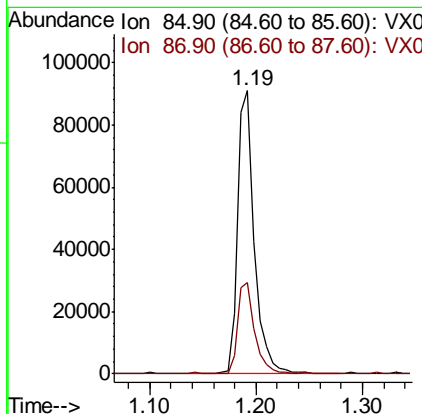
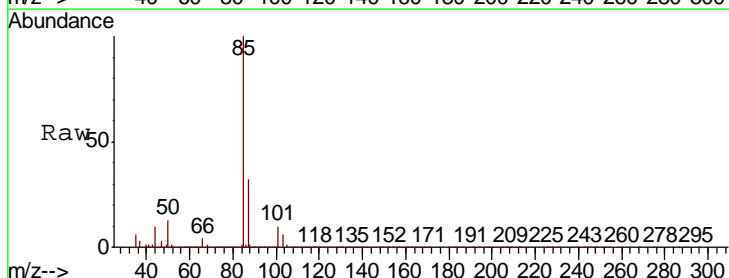
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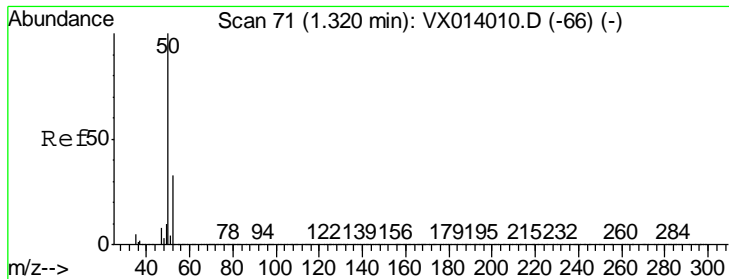
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#2
 Dichlorodifluoromethane
 Concen: 16.693 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
85	100145		
87	32.2	16.4	49.2



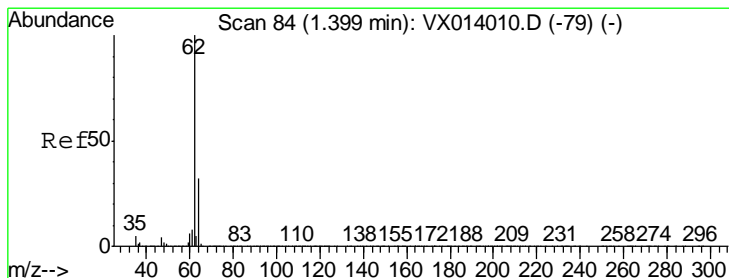
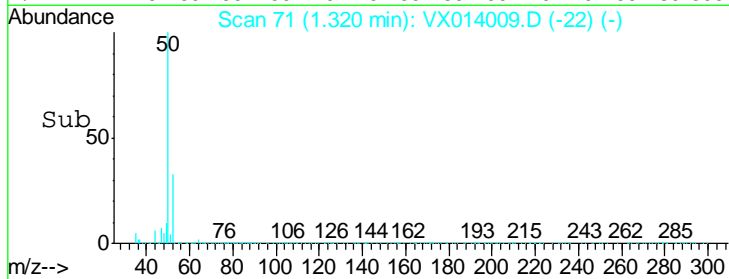
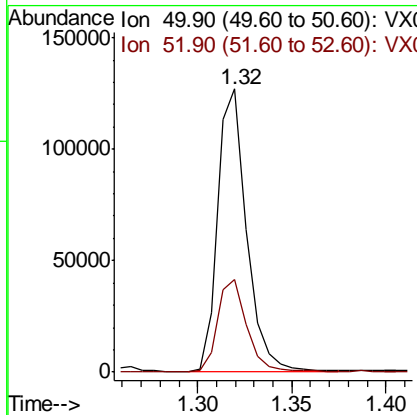
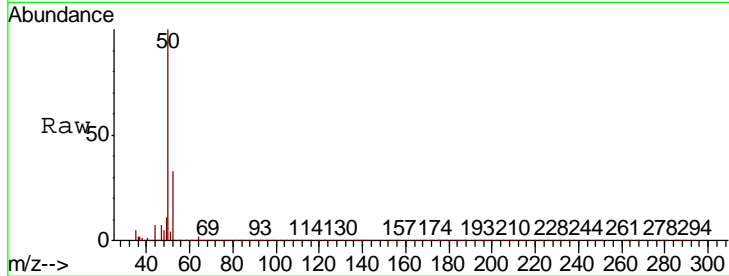


#3
 Chloromethane
 Concen: 19.355 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
50	134379		
52	32.7	26.2	39.4

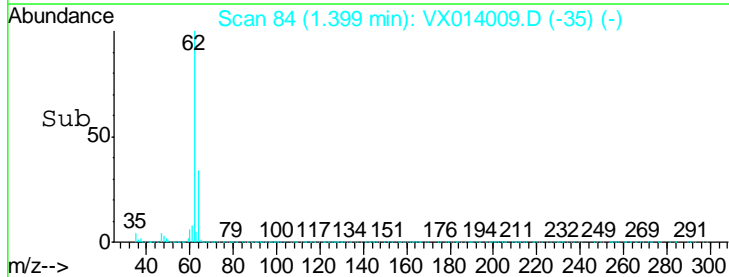
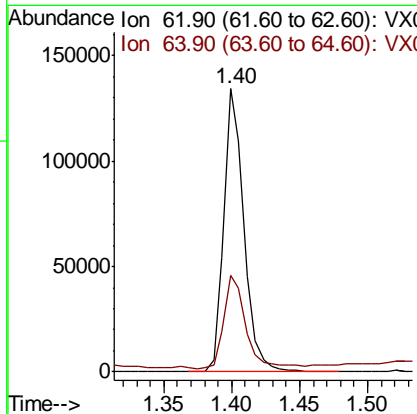
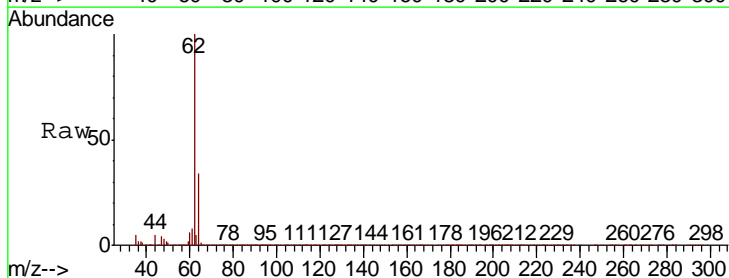
Instrument : MSVOA_X
 Client Sampled : VSTDIC020

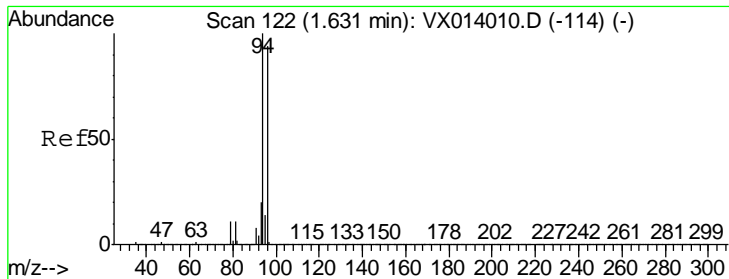
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#4
 Vinyl Chloride
 Concen: 17.985 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
62	138115		
64	32.4	25.7	38.5



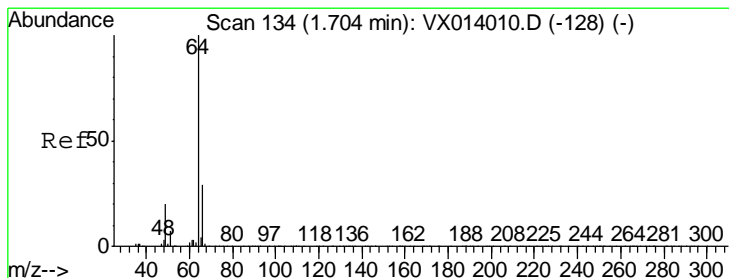
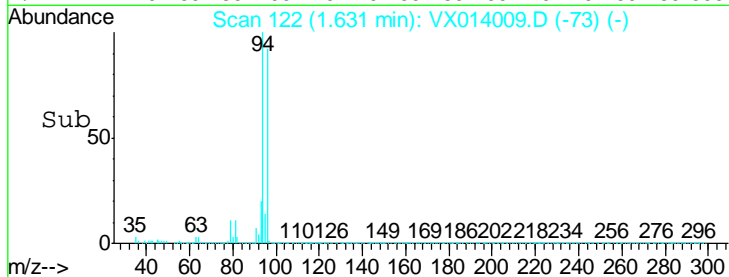
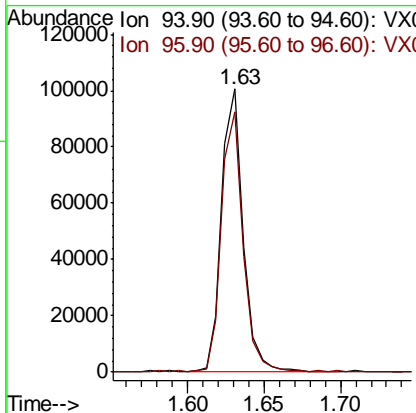
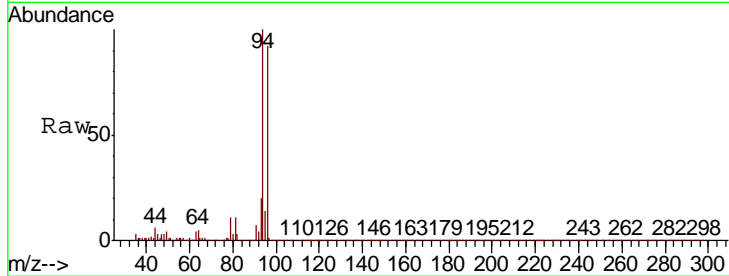


#5
 Bromomethane
 Concen: 18.548 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
94	100		
96	91.8	75.2	112.8

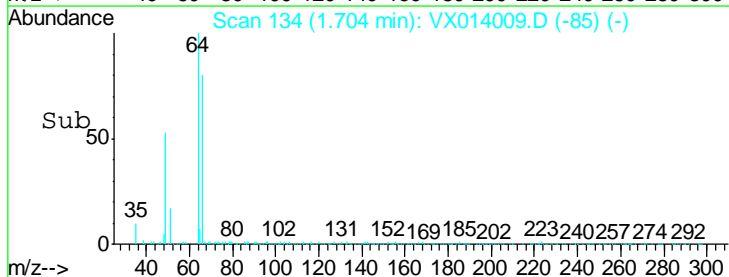
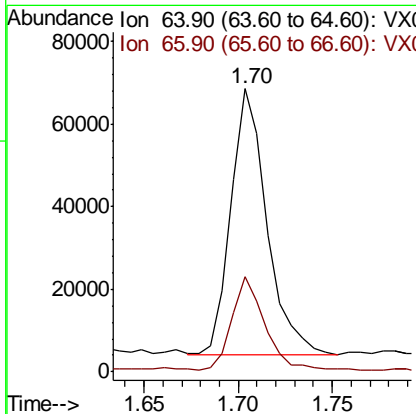
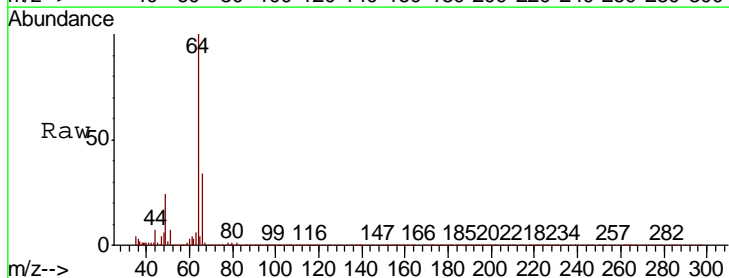
Instrument : MSVOA_X
 ClientSampled : VSTDIC020

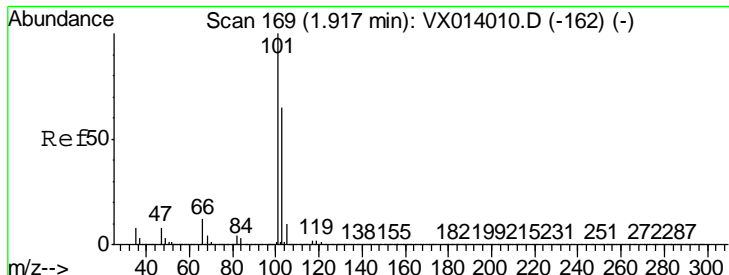
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 18.891 ug/l
 RT: 1.70 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
64	100		
66	34.8	23.4	35.2





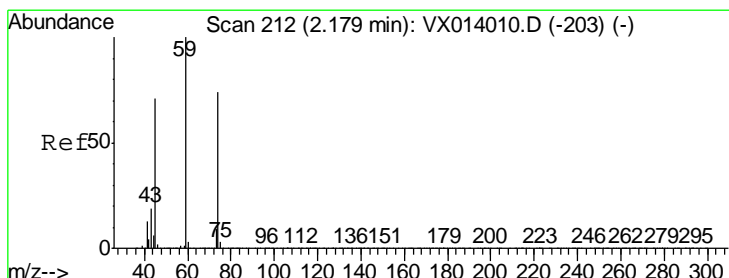
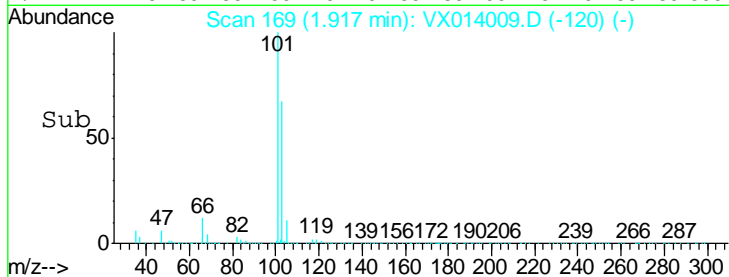
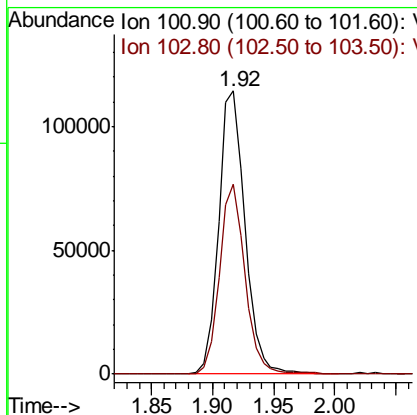
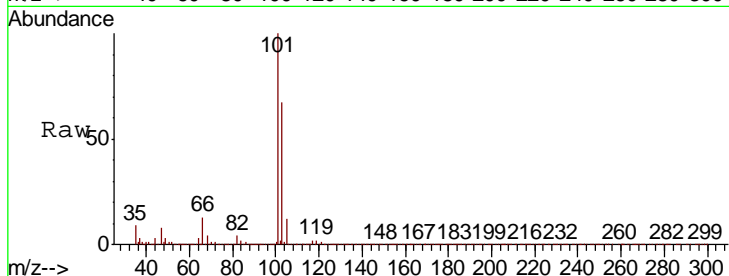
#7
 Trichlorofluoromethane
 Concen: 19.562 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	171935		
103	67.0	52.2	78.4

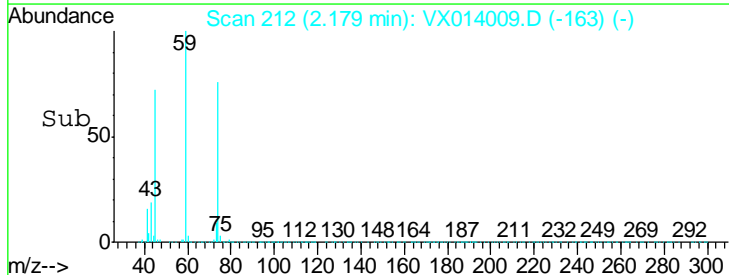
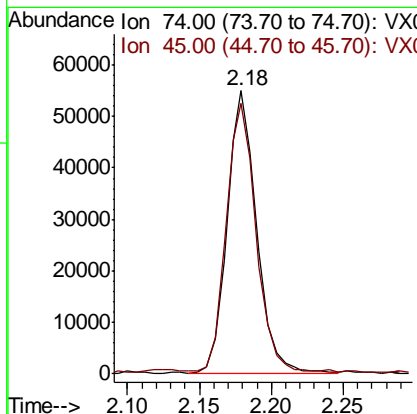
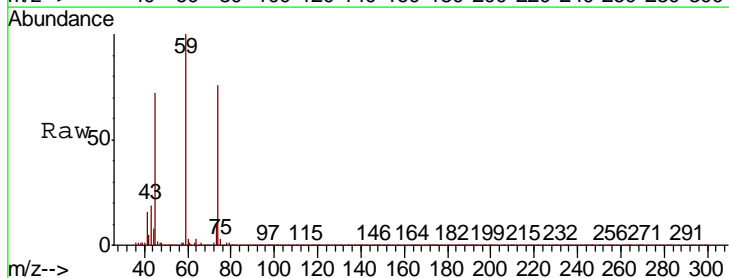
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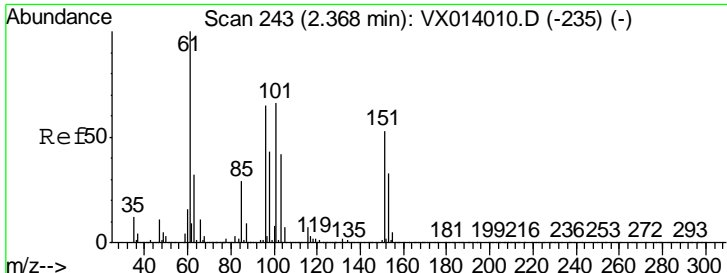
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#8
 Diethyl Ether
 Concen: 19.701 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
74	78262		
45	96.6	48.1	144.3





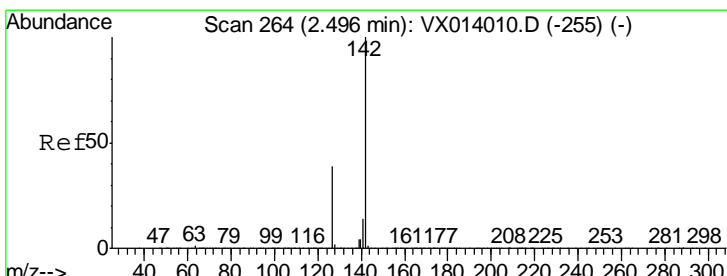
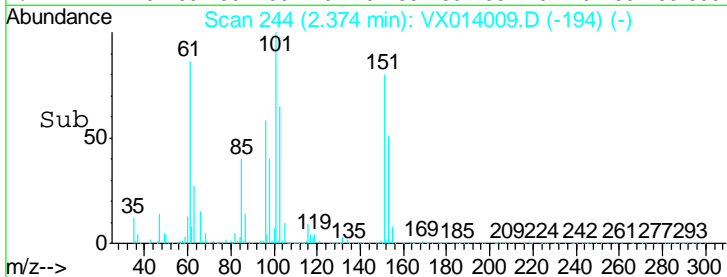
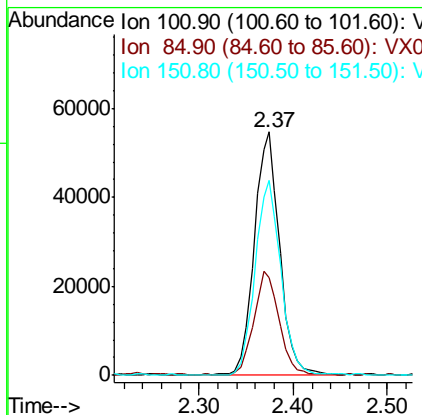
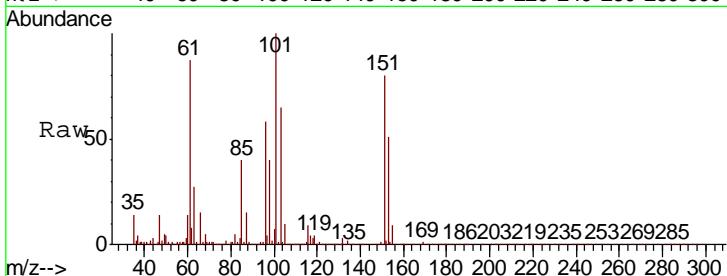
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.274 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	103036		
101	100		
85	42.6	33.7	50.5
151	82.8	64.5	96.7

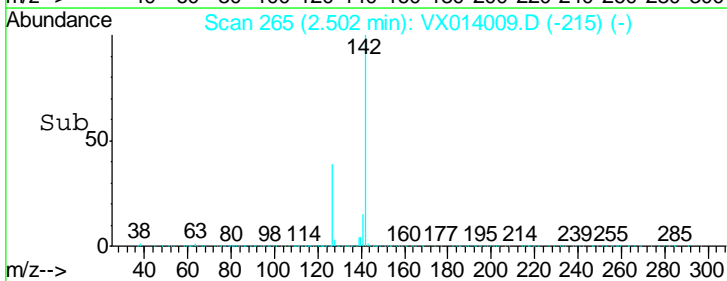
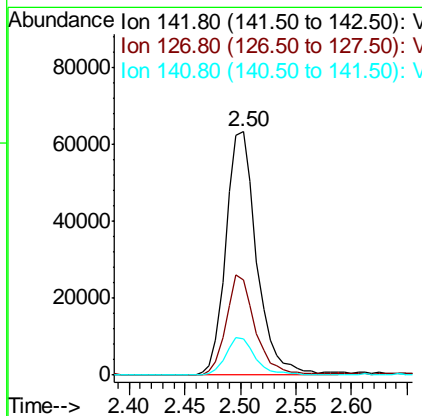
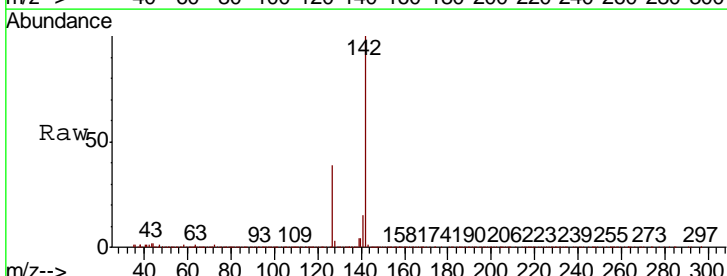
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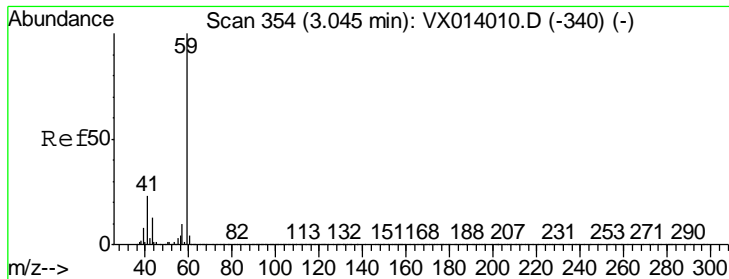
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#10
 Methyl Iodide
 Concen: 18.704 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
142	121438		
142	100		
127	38.5	31.6	47.4
141	14.1	11.6	17.4





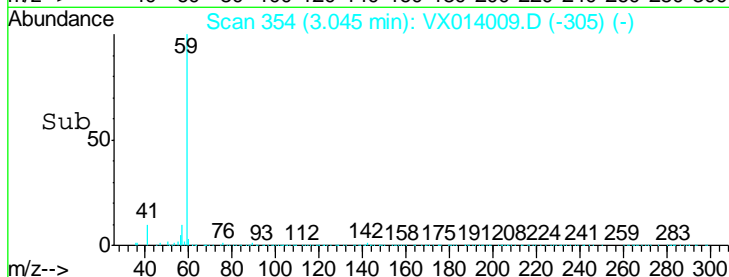
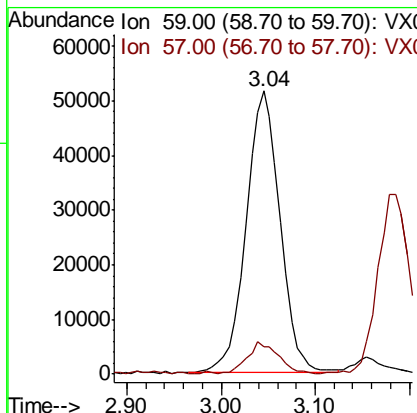
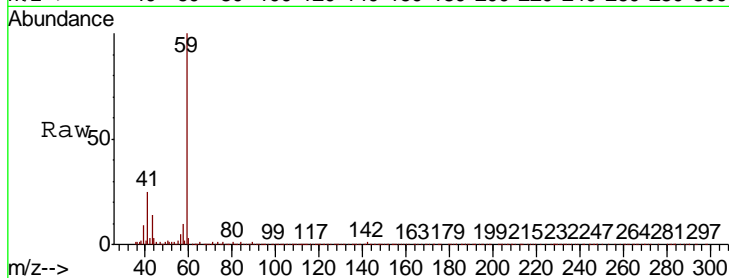
#11
 Tert butyl alcohol
 Concen: 83.396 ug/l
 RT: 3.04 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
59	130340		
57	10.0	8.4	12.6

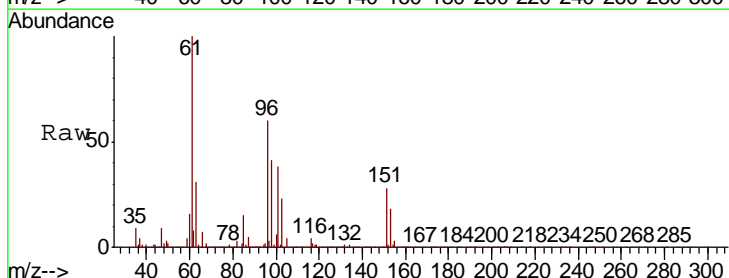
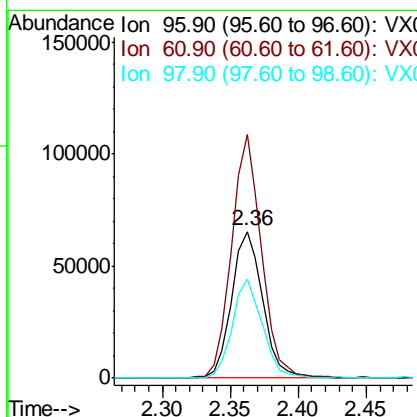
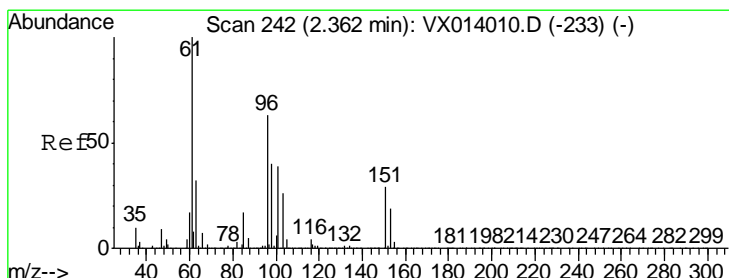
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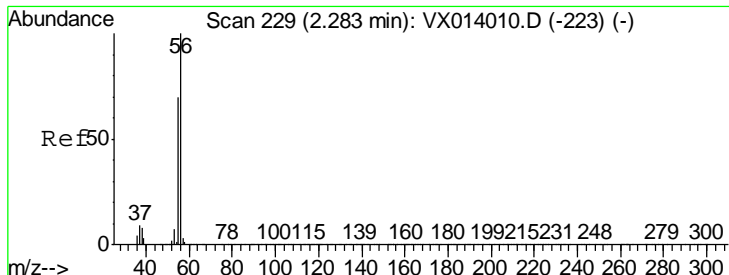
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#12
 1,1-Dichloroethene
 Concen: 19.340 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
96	103108		
96	100		
61	165.7	127.9	191.9
98	67.2	50.5	75.7





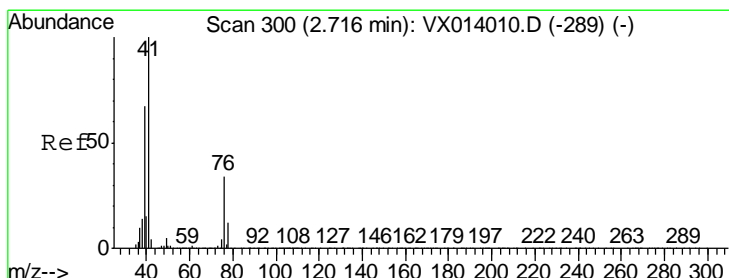
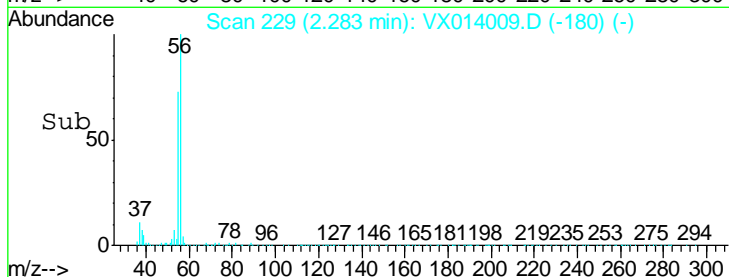
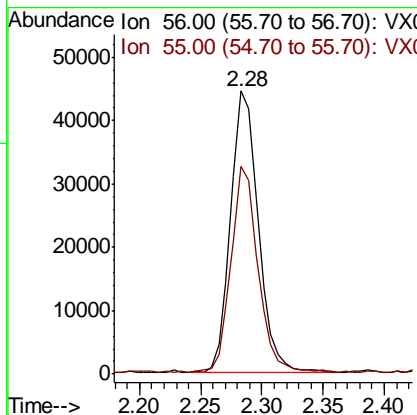
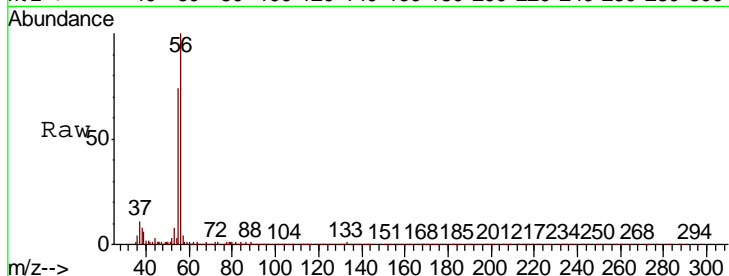
#13
 Acrolein
 Concen: 75.486 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	69453		
55	71.2	56.9	85.3

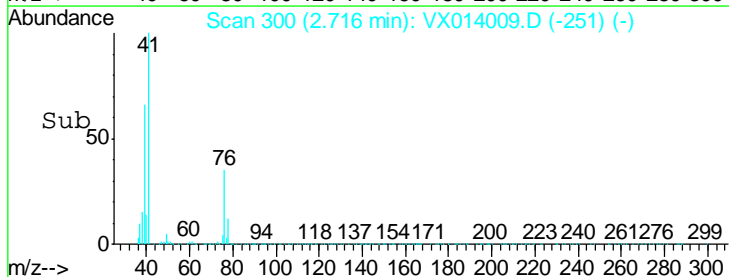
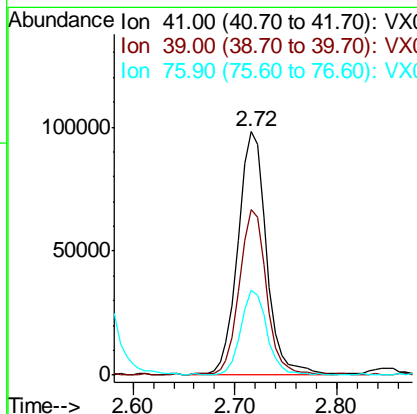
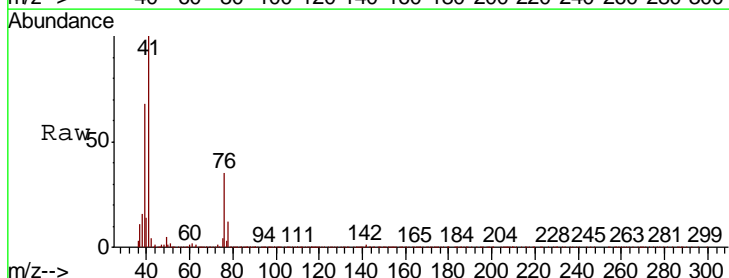
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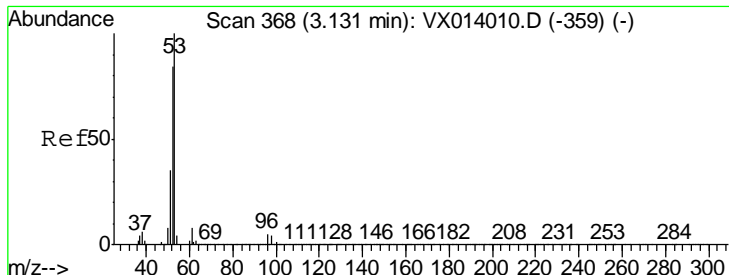
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#14
 Allyl chloride
 Concen: 19.482 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
41	188334		
39	64.5	51.8	77.8
76	31.5	25.9	38.9





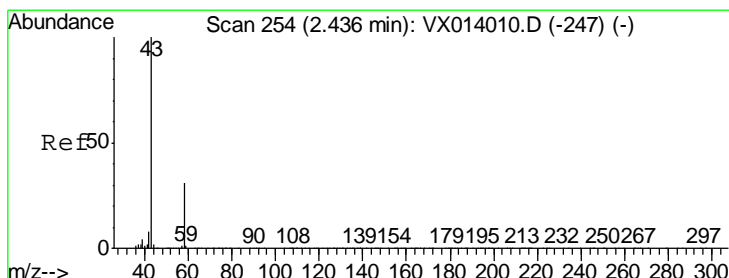
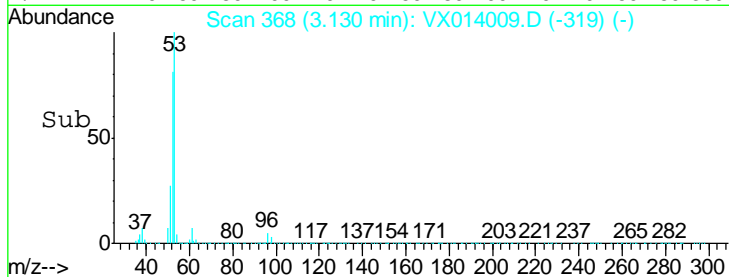
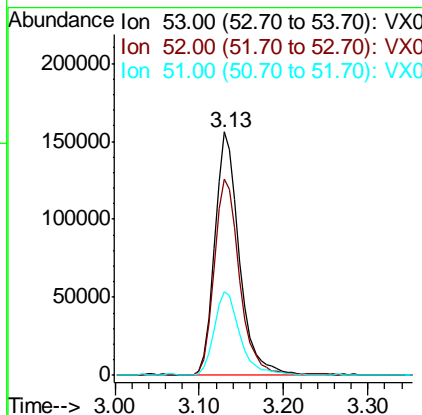
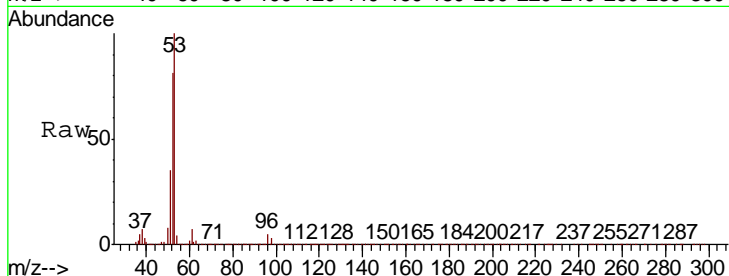
#15
 Acrylonitrile
 Concen: 95.565 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	35.7	28.1	42.1

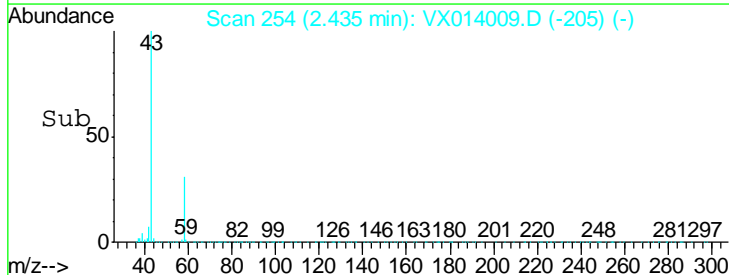
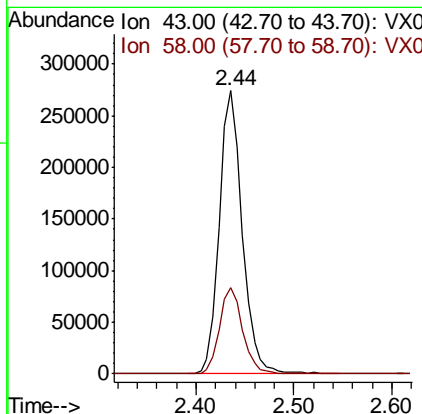
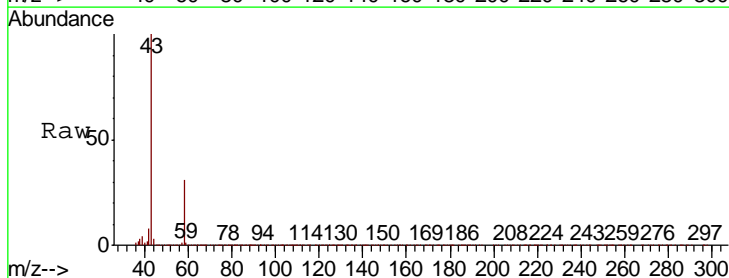
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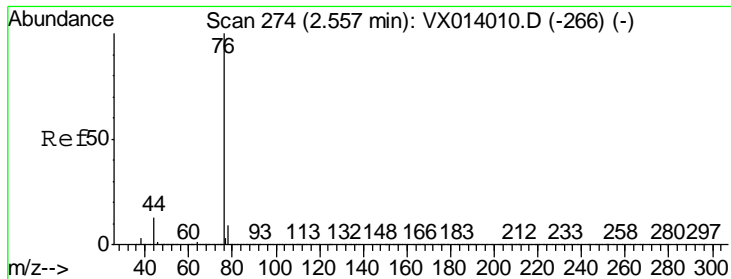
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#16
 Acetone
 Concen: 130.969 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.6	24.9	37.3





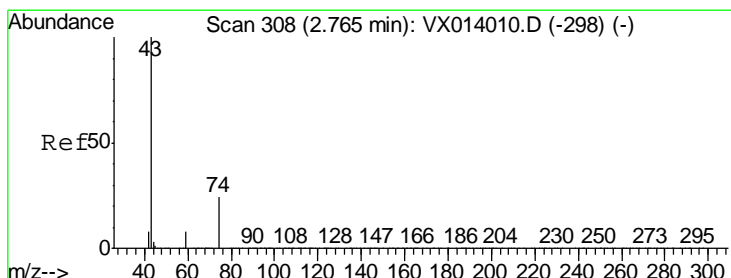
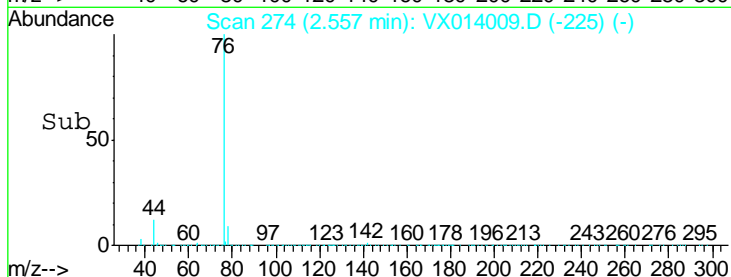
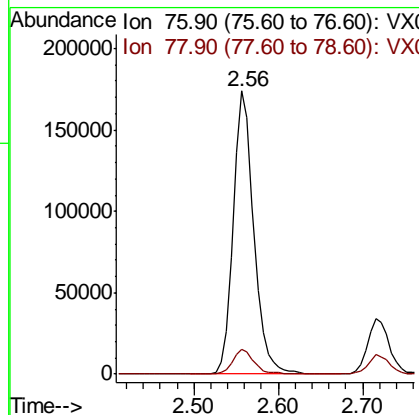
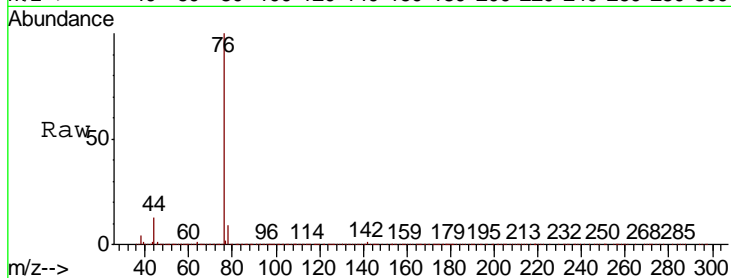
#17
 Carbon Disulfide
 Concen: 18.978 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

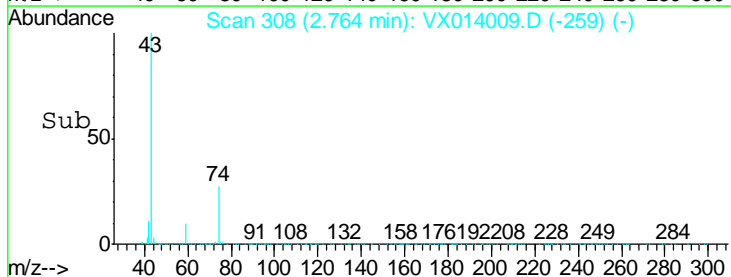
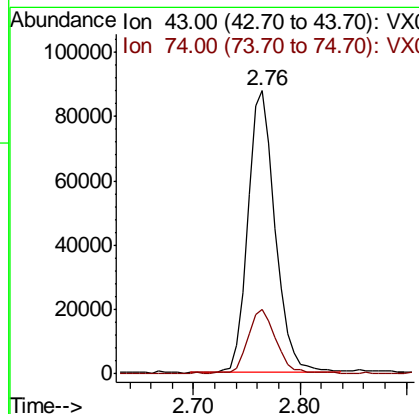
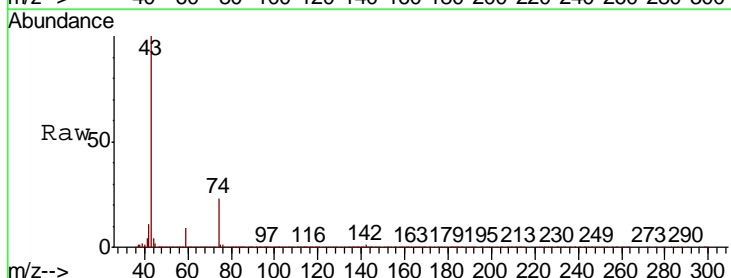
Manual Integrations APPROVED

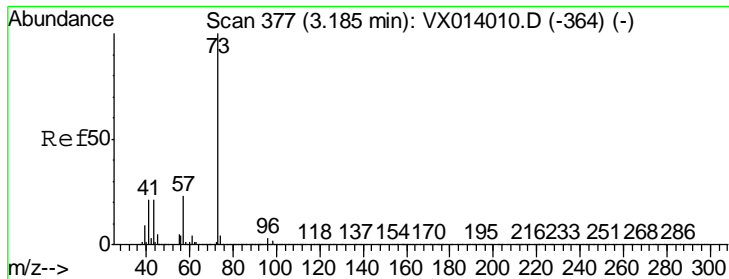
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#18
 Methyl Acetate
 Concen: 18.036 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.5	29.3





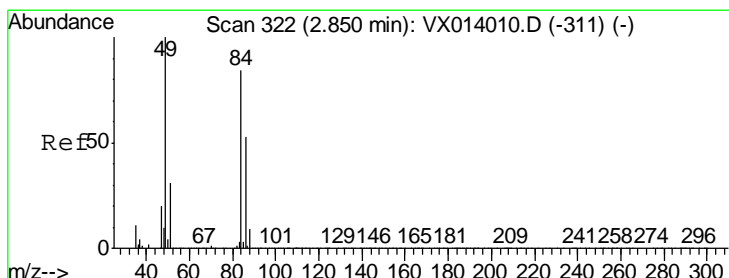
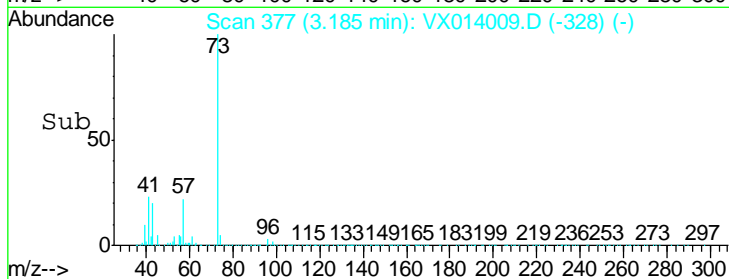
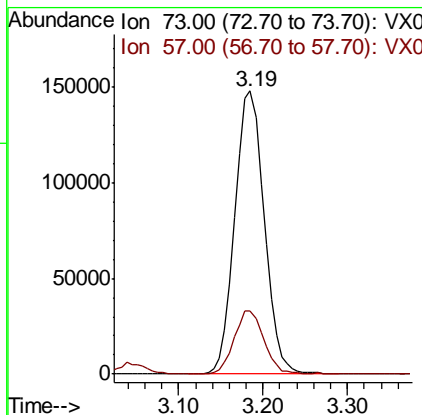
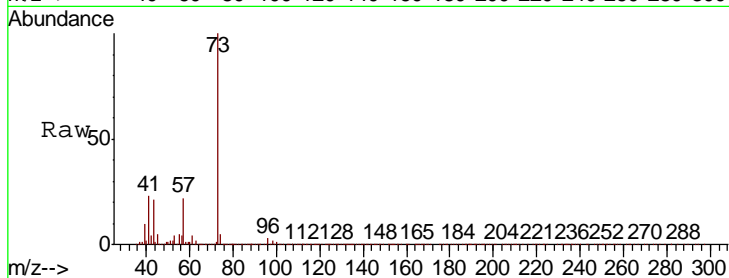
#19
Methyl tert-butyl Ether
Concen: 19.657 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.0	18.8	28.2

Instrument : MSVOA_X
Client Sampled : VSTDIC020

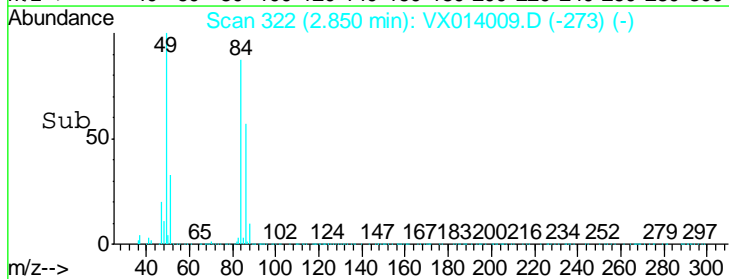
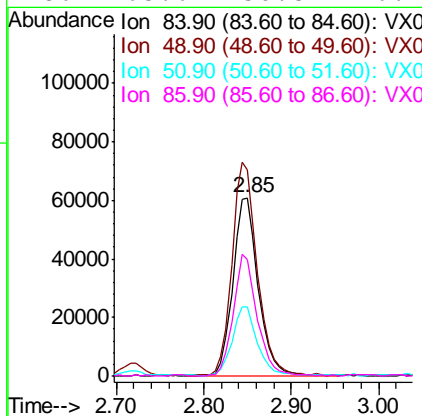
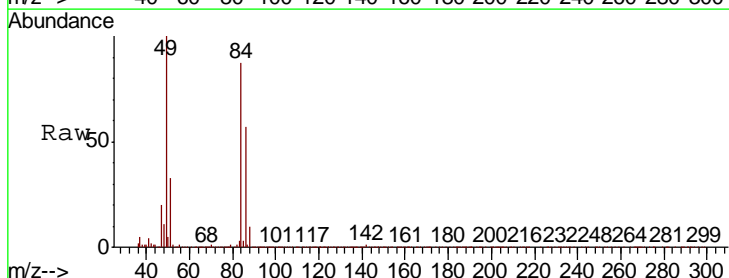
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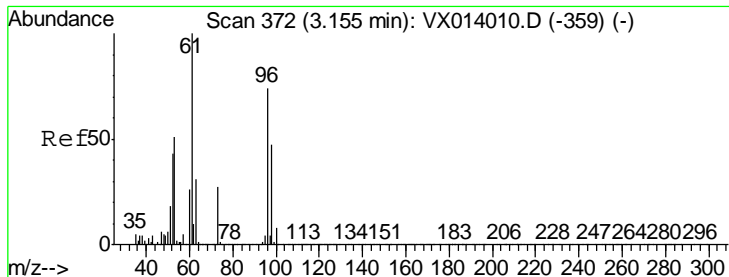
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#20
Methylene Chloride
Concen: 19.786 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
84	100		
49	115.3	95.8	143.6
51	38.2	29.8	44.8
86	65.6	50.8	76.2





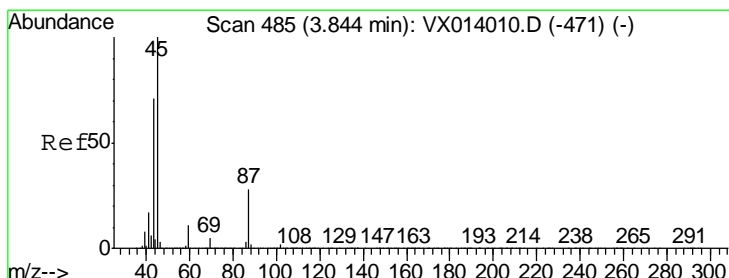
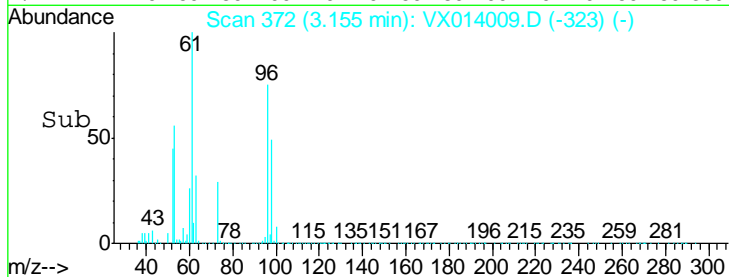
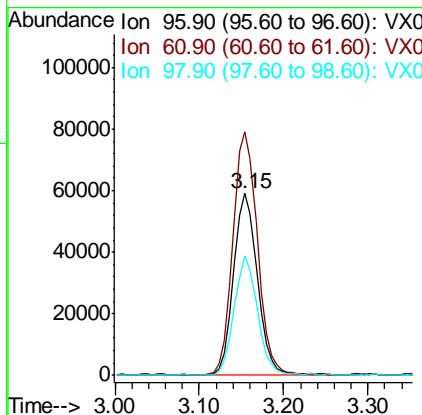
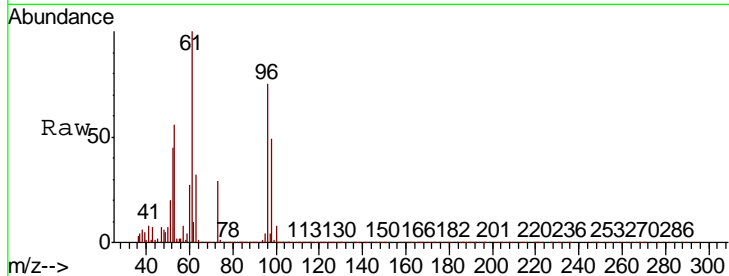
#21
 trans-1,2-Dichloroethene
 Concen: 19.351 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	112594		
61	134.0	108.3	162.5
98	65.7	50.8	76.2

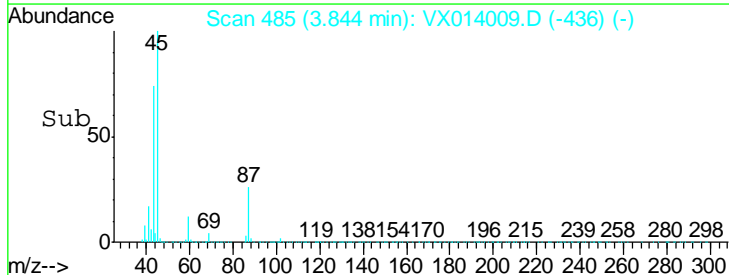
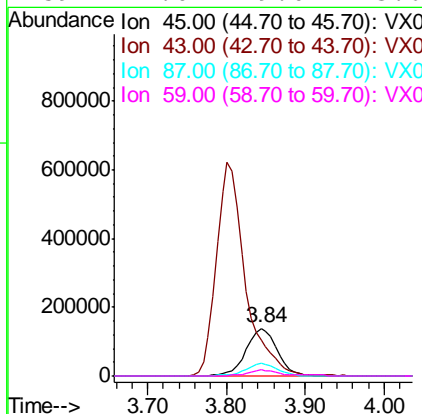
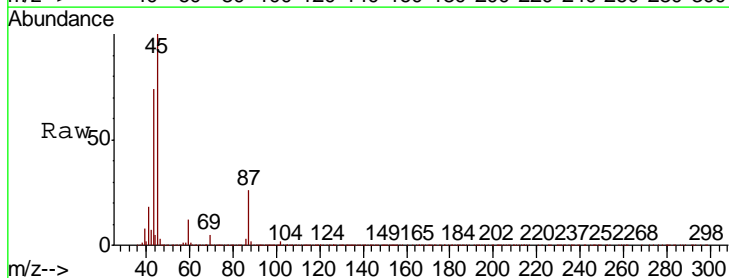
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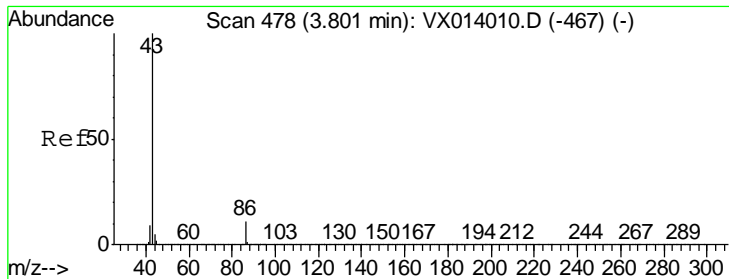
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#22
 Diisopropyl ether
 Concen: 20.286 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
45	379412		
43	73.6	57.4	86.0
87	26.2	21.9	32.9
59	12.0	9.0	13.6





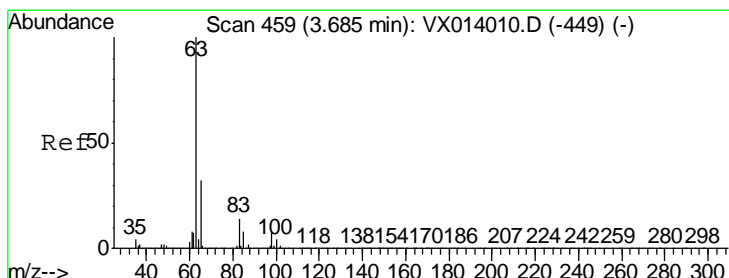
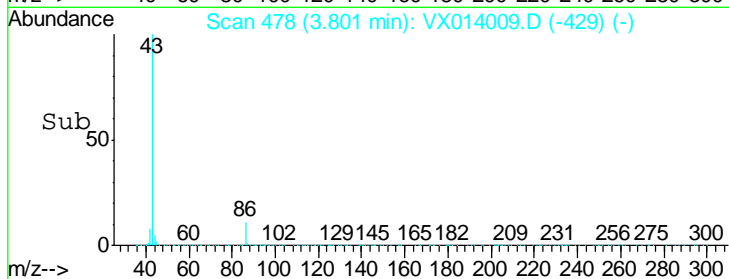
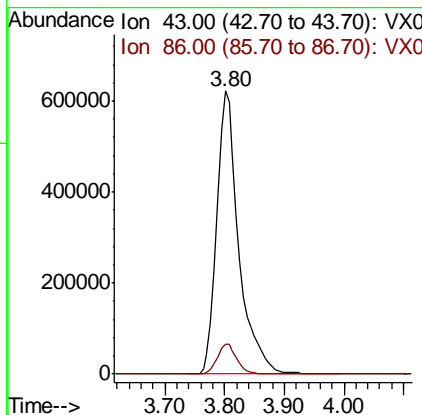
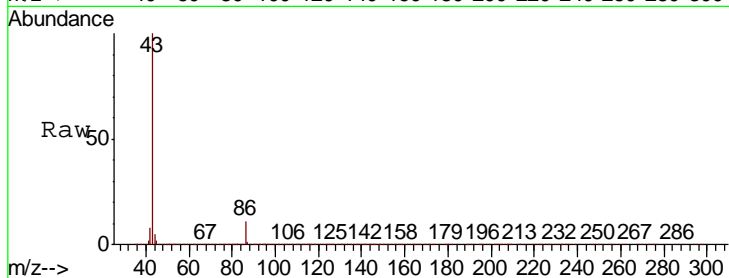
#23
 Vinyl Acetate
 Concen: 102.476 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
43	1591288		
86	10.7	8.6	12.8

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

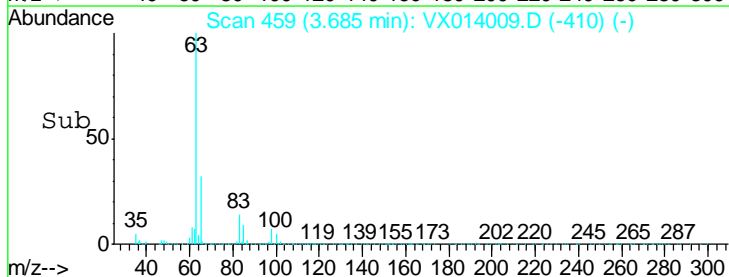
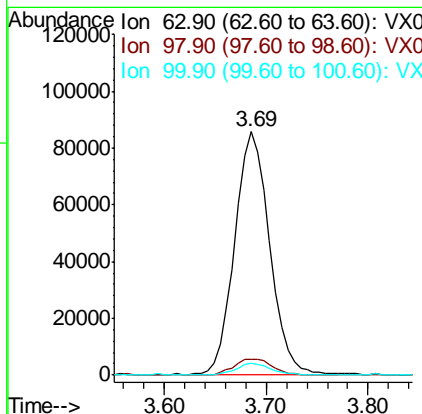
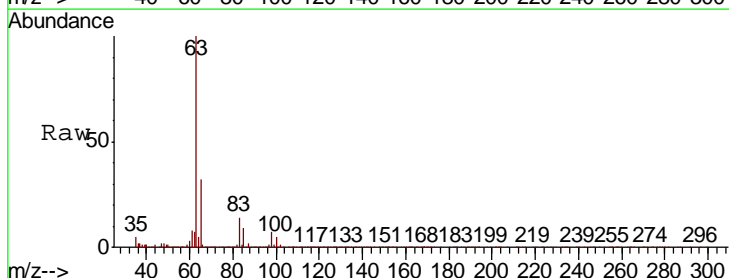
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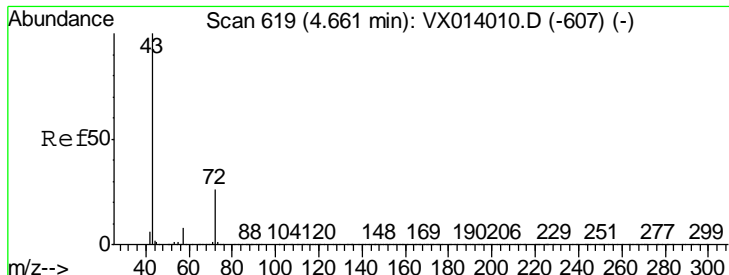
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#24
 1,1-Dichloroethane
 Concen: 19.815 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
63	202585		
98	6.3	3.6	10.8
100	4.6	2.3	6.8





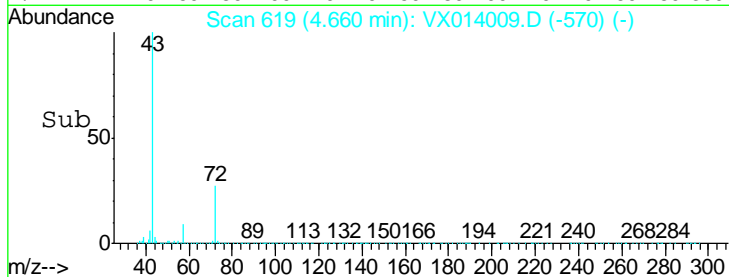
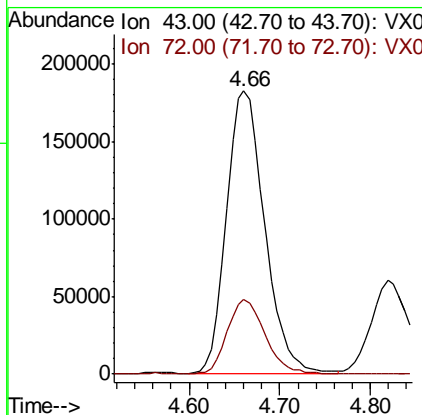
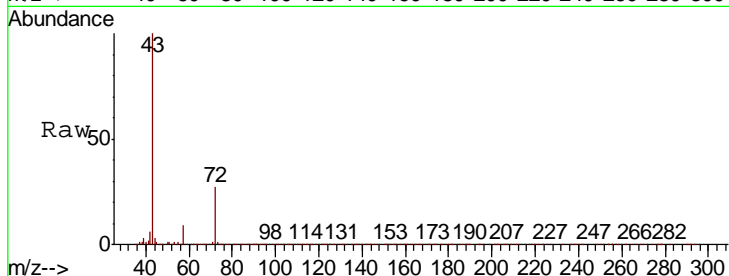
#25
 2-Butanone
 Concen: 110.165 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.0	31.4

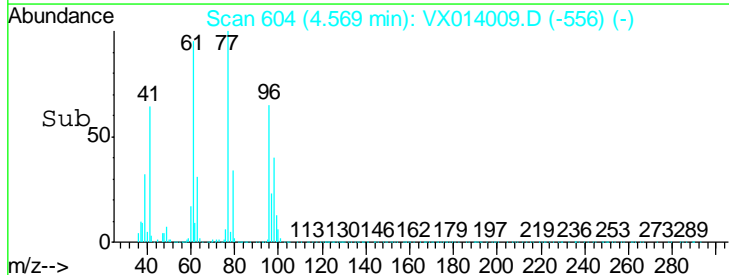
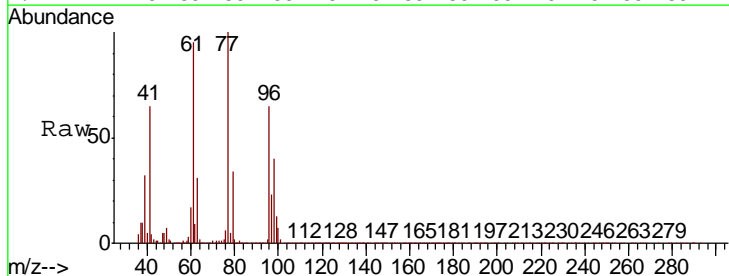
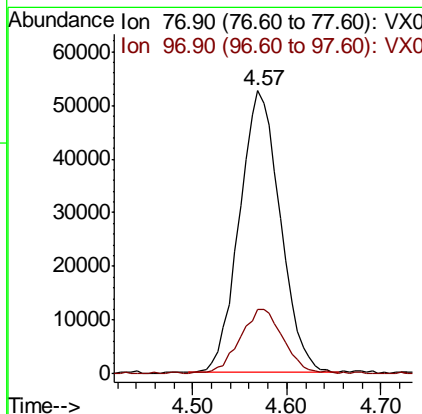
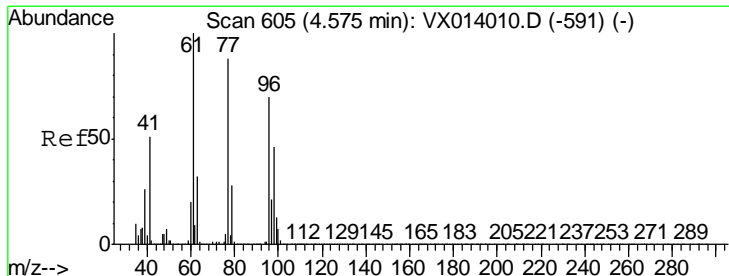
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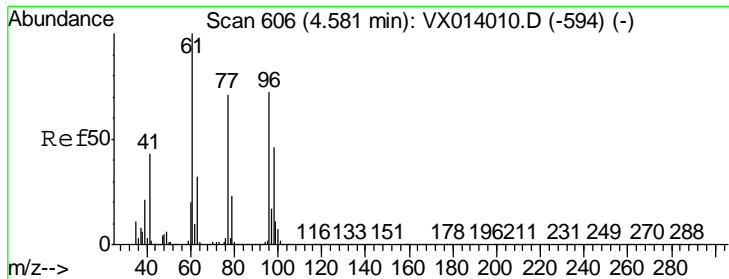
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#26
 2,2-Dichloropropane
 Concen: 18.932 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.9	35.9





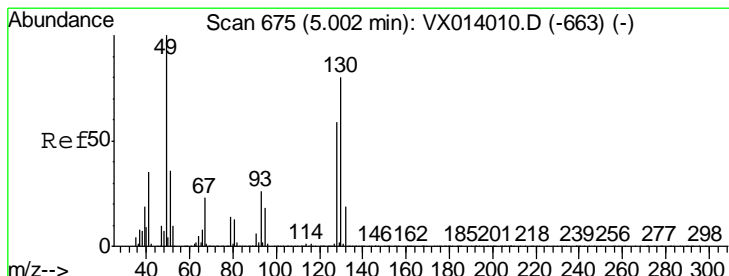
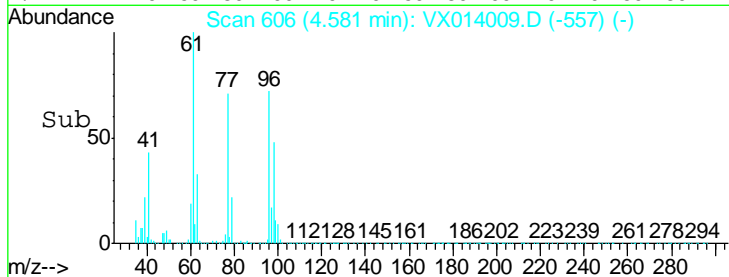
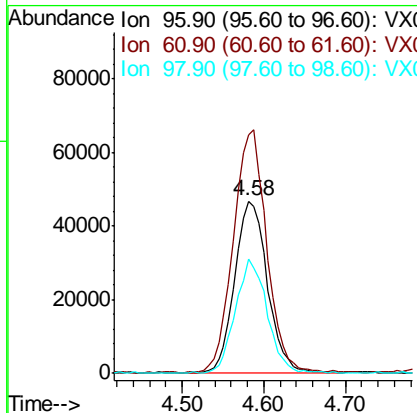
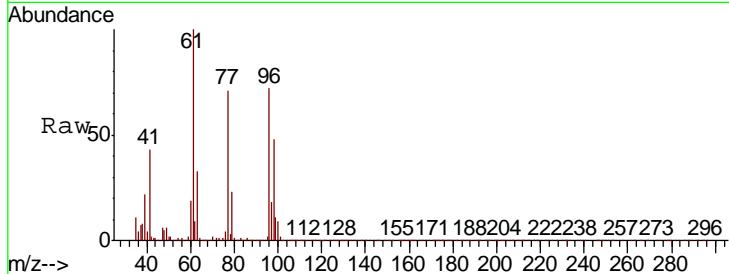
#27
 cis-1,2-Dichloroethene
 Concen: 19.357 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	129255		
96	100		
61	146.6	0.0	288.4
98	63.6	0.0	129.6

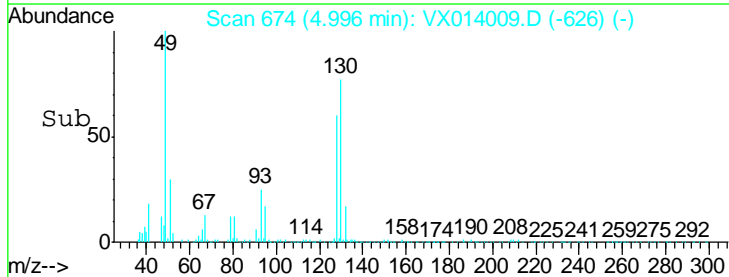
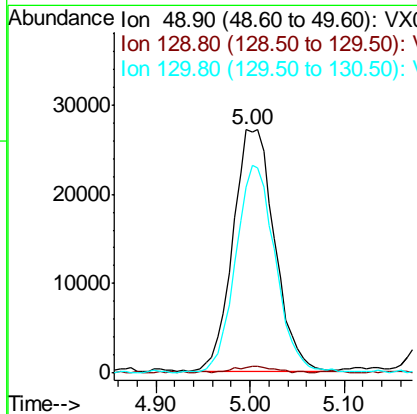
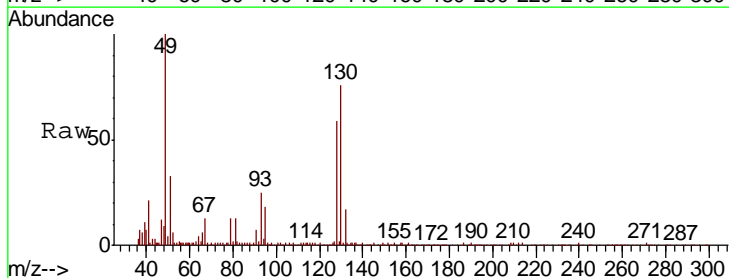
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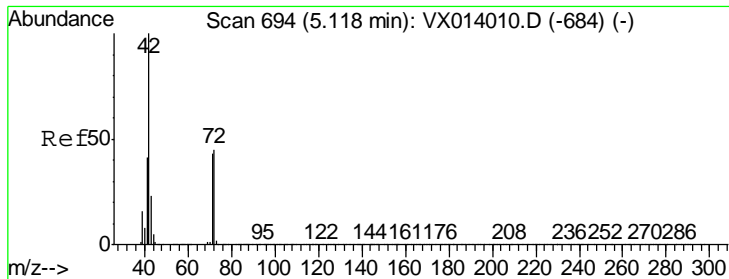
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#28
 Bromochloromethane
 Concen: 23.237 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
49	83871		
49	100		
129	2.9	0.0	5.0
130	81.3	64.6	97.0





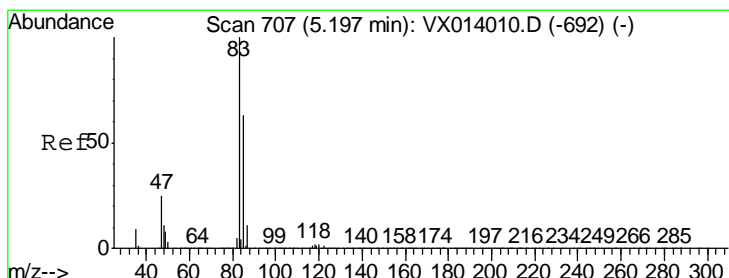
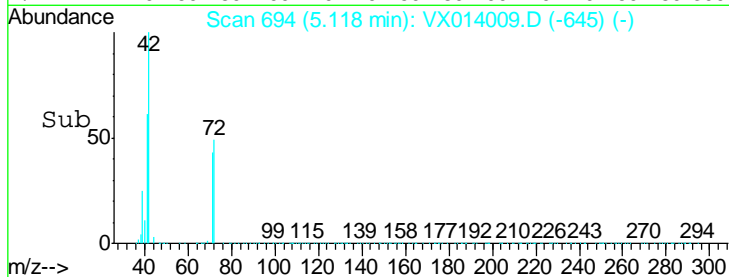
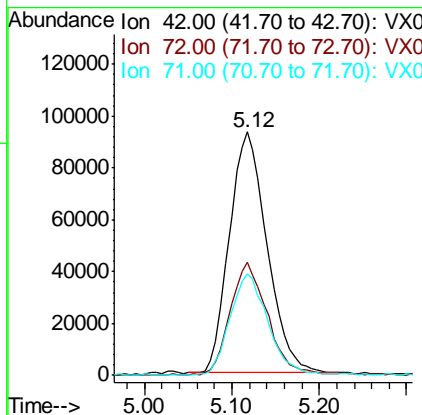
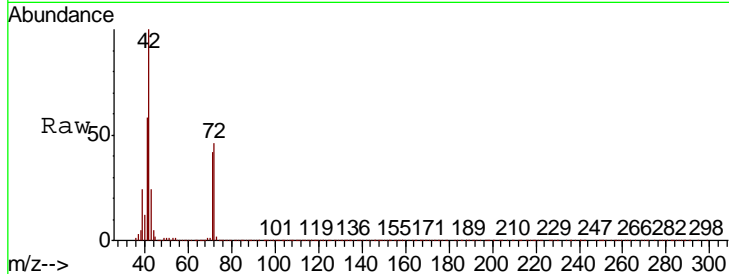
#29
 Tetrahydrofuran
 Concen: 95.681 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
42	100		
72	46.2	35.8	53.8
71	42.7	33.6	50.4

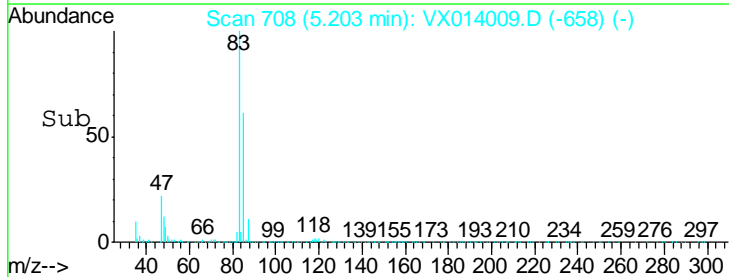
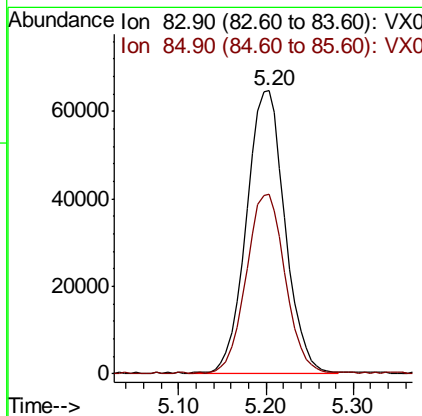
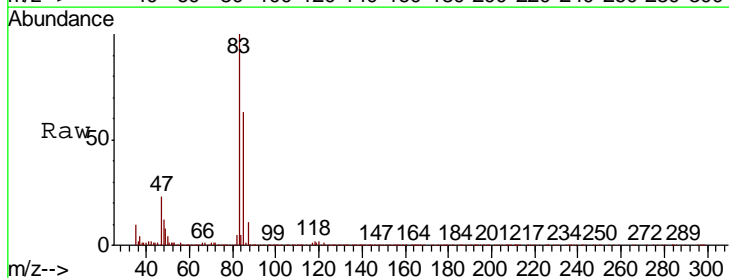
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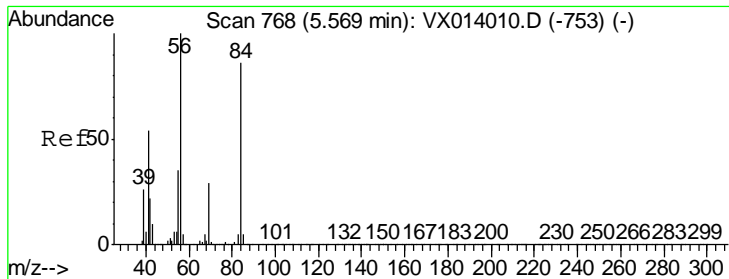
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#30
 Chloroform
 Concen: 19.149 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.1	50.8	76.2





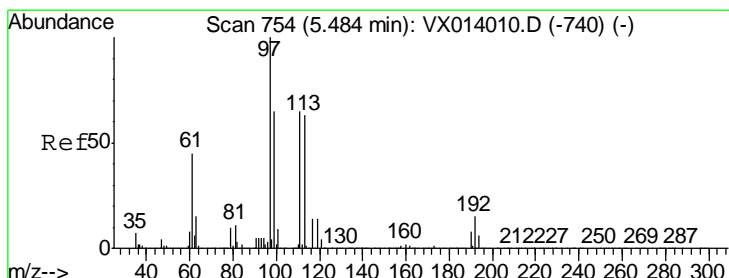
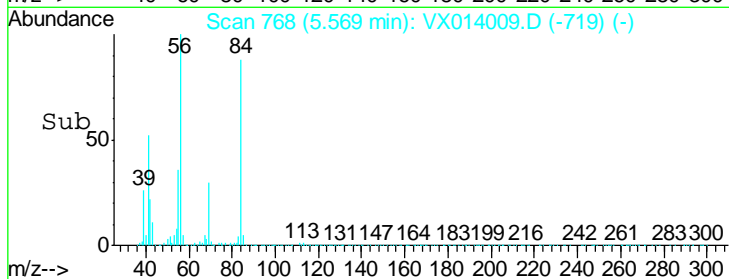
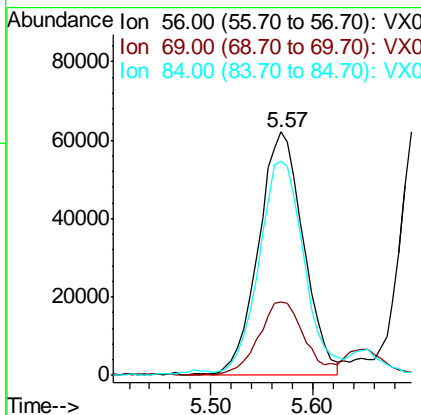
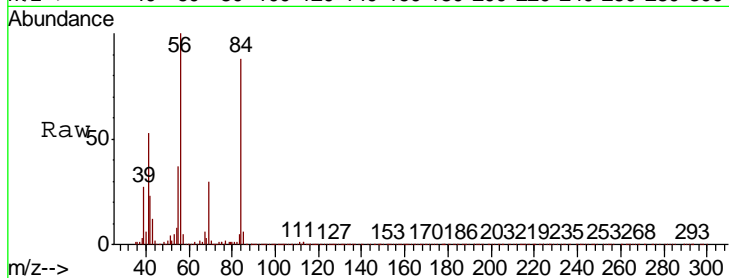
#31
 Cyclohexane
 Concen: 19.501 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	188485		
69	30.1	23.2	34.8
84	87.4	69.2	103.8

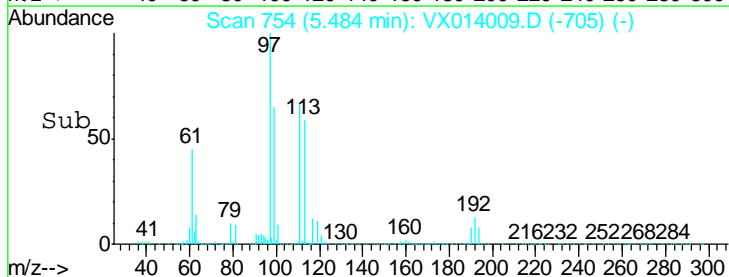
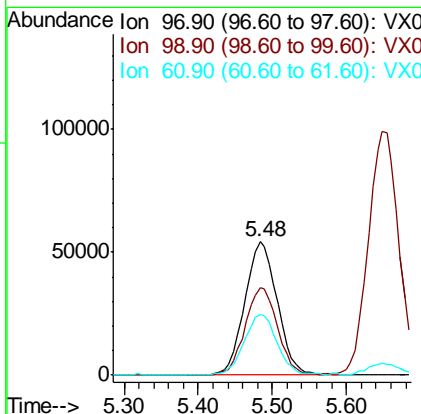
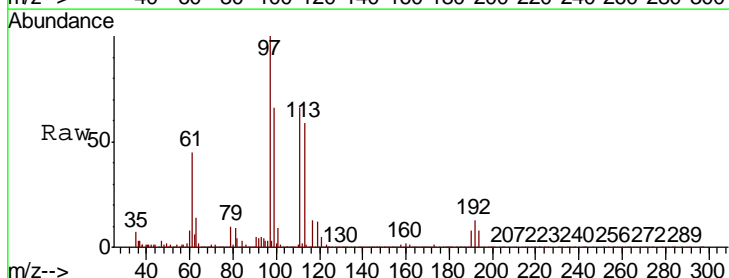
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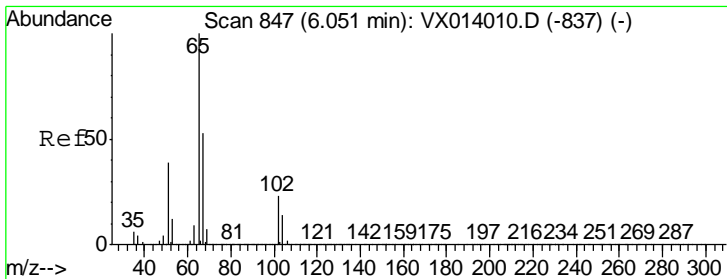
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#32
 1,1,1-Trichloroethane
 Concen: 19.179 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
97	165760		
99	65.1	52.0	78.0
61	46.4	36.7	55.1





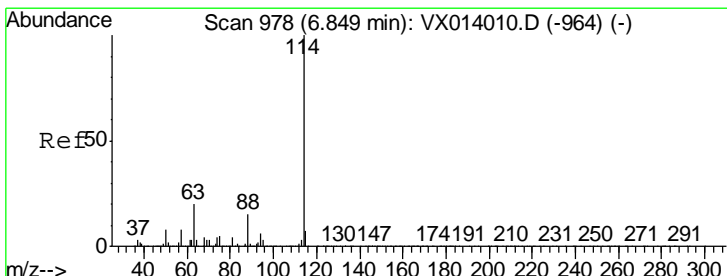
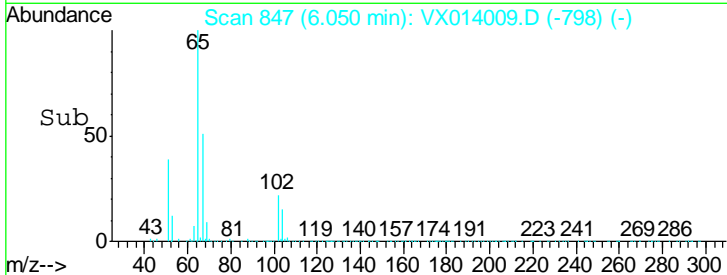
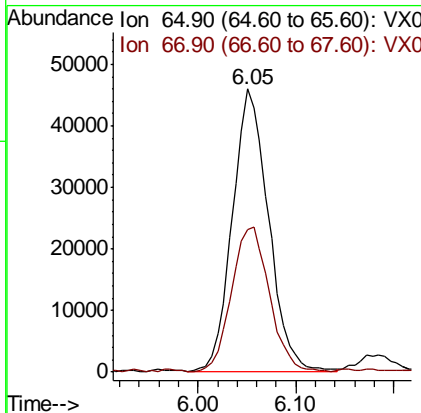
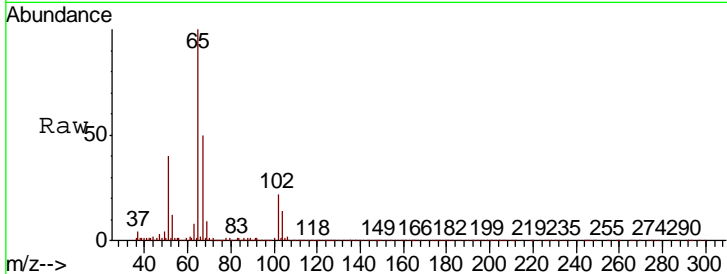
#33
 1,2-Dichloroethane-d4
 Concen: 17.897 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
65	116759		
67	53.7	0.0	106.4

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

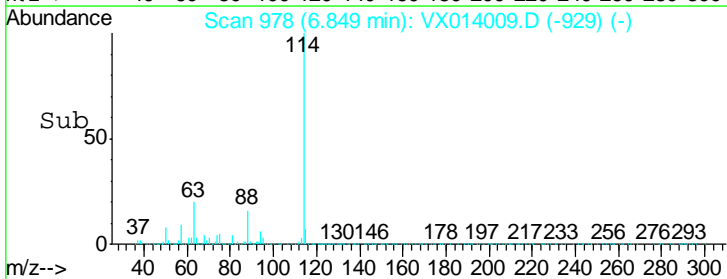
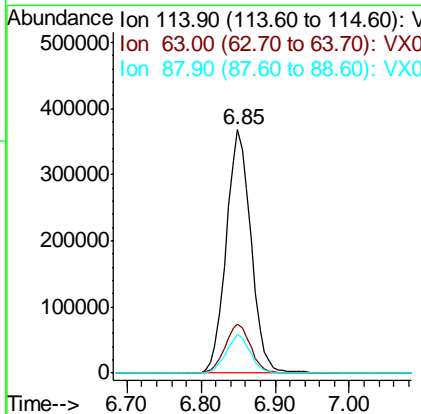
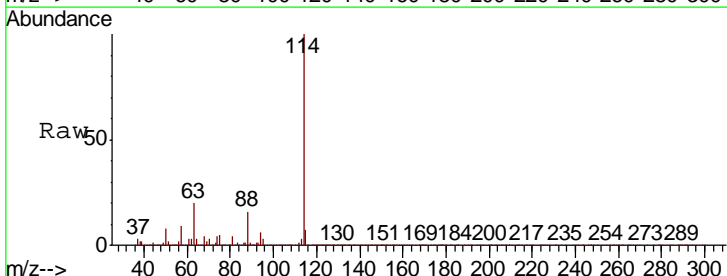
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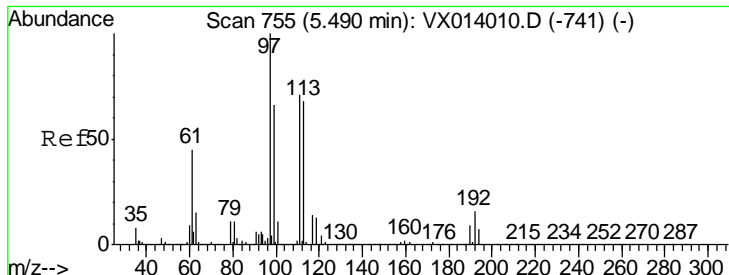
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

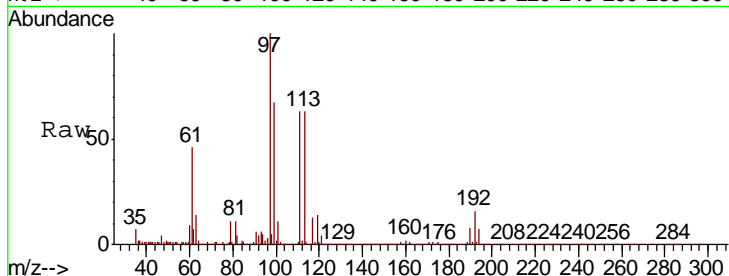
Tgt Ion	Resp	Lower	Upper
114	855896		
63	20.3	0.0	40.8
88	15.8	0.0	30.4





#35
 Dibromofluoromethane
 Concen: 17.763 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

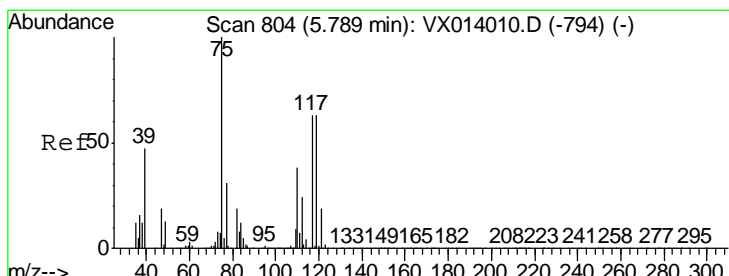
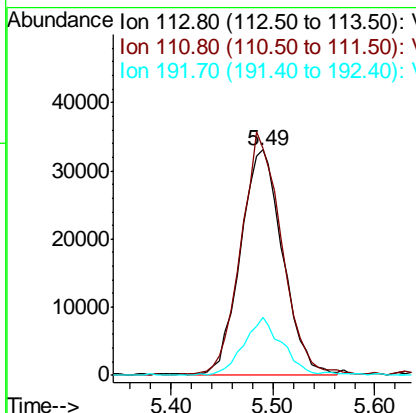
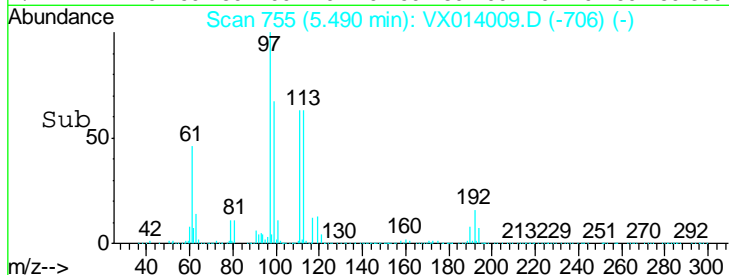
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020



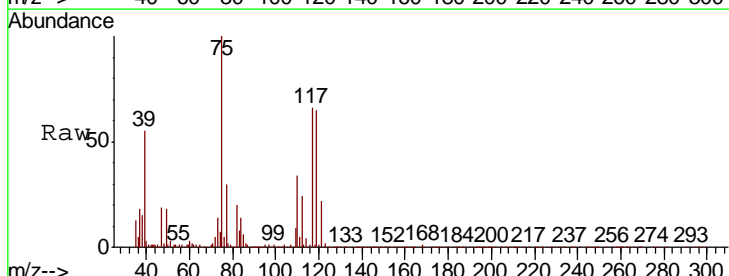
Tgt Ion	Resp	Lower	Upper
113	94491		
113	100		
111	104.7	82.0	123.0
192	24.5	19.3	28.9

Manual Integrations
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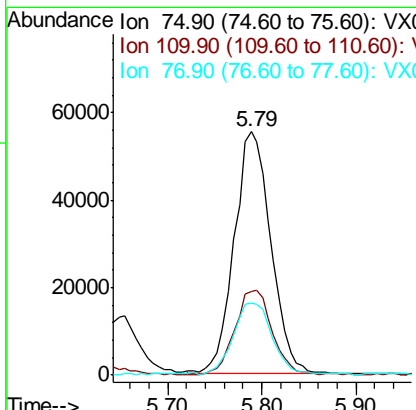
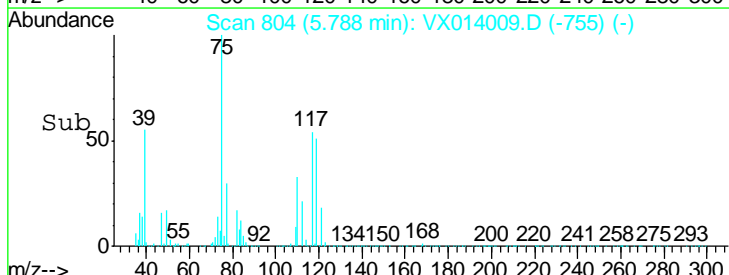
apatel
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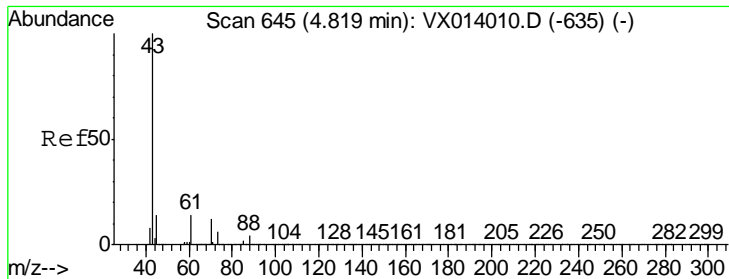


#36
 1,1-Dichloropropene
 Concen: 19.299 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36



Tgt Ion	Resp	Lower	Upper
75	150043		
75	100		
110	35.3	18.3	54.9
77	31.2	24.8	37.2





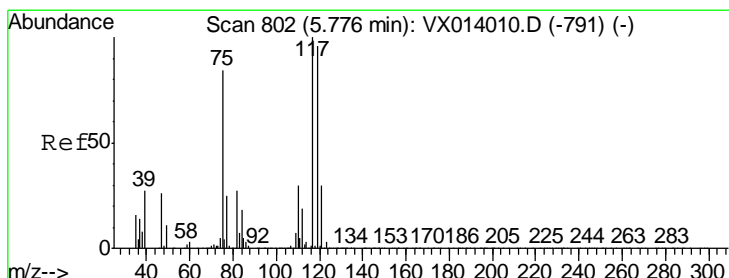
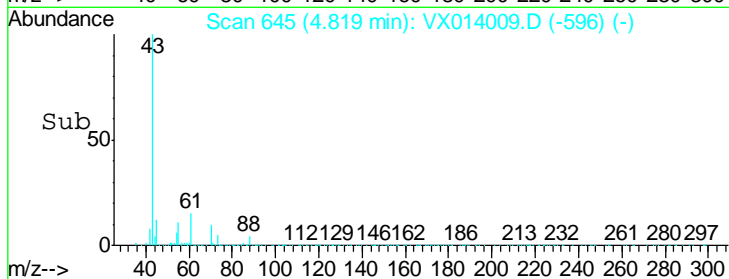
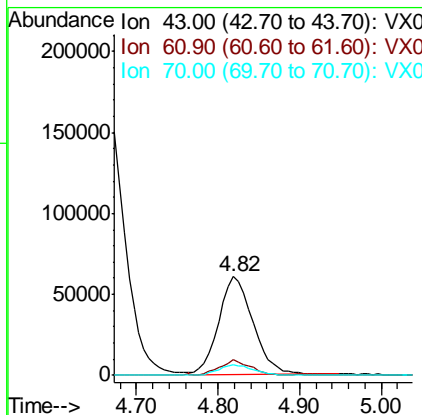
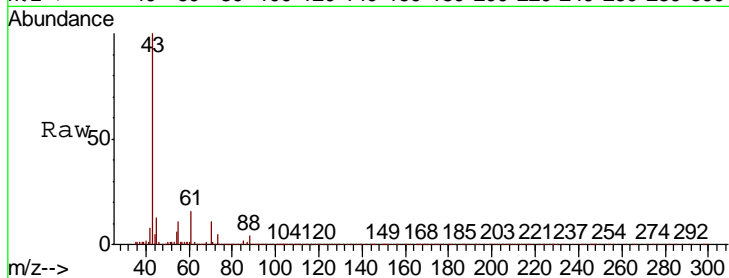
#37
Ethyl Acetate
Concen: 20.322 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
43	176262		
61	13.6	10.8	16.2
70	10.5	8.6	12.8

Instrument : MSVOA_X
ClientSampled : VSTDIC020

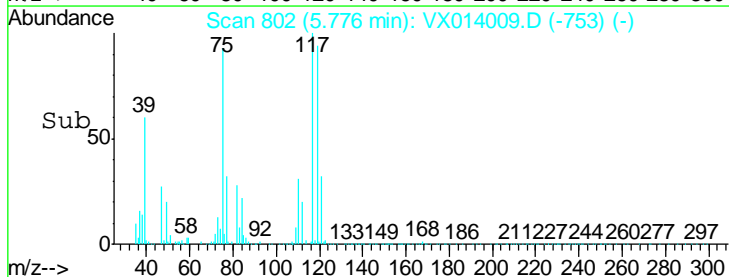
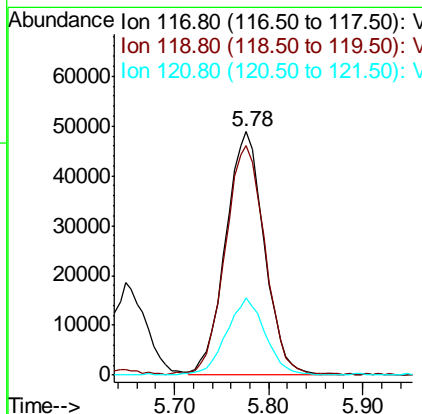
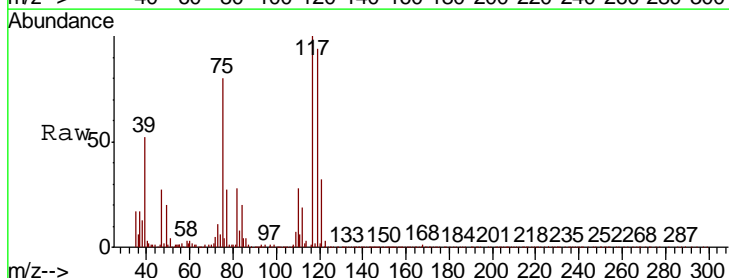
Manual Integrations
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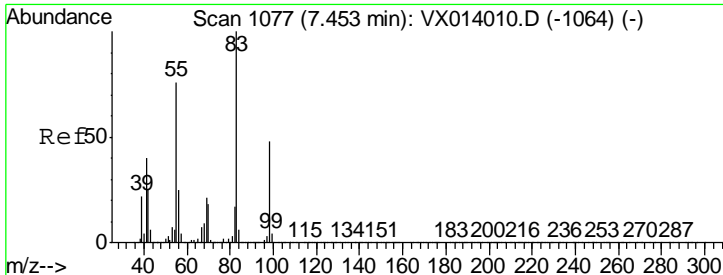
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#38
Carbon Tetrachloride
Concen: 19.190 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
117	137619		
119	94.2	76.2	114.4
121	32.0	23.6	35.4





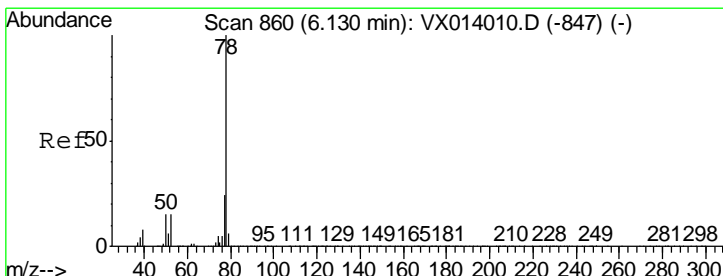
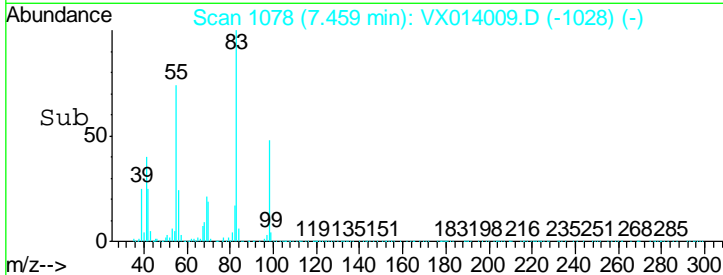
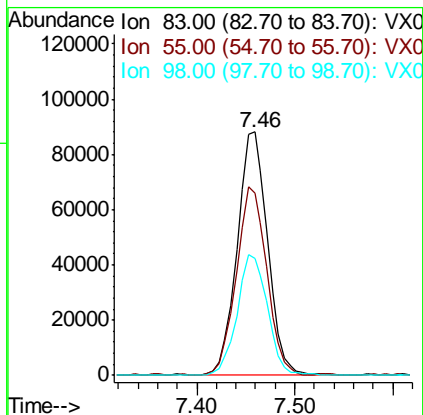
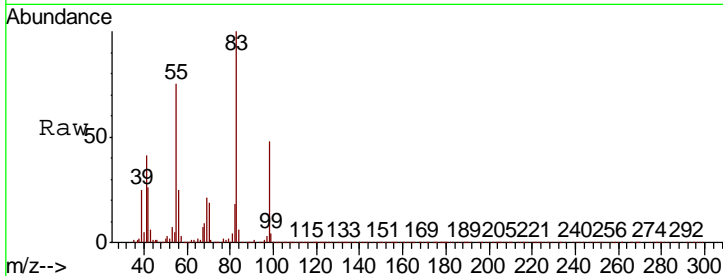
#39
 Methylcyclohexane
 Concen: 19.624 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	188922		
83	100		
55	74.7	61.0	91.6
98	48.0	38.6	57.8

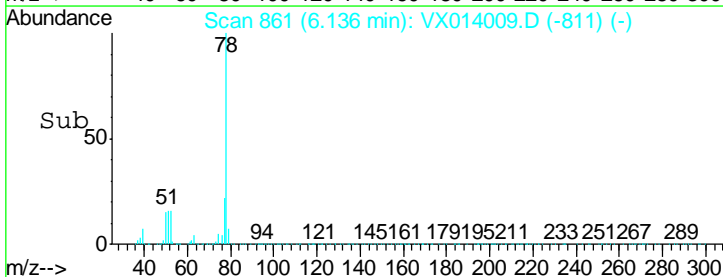
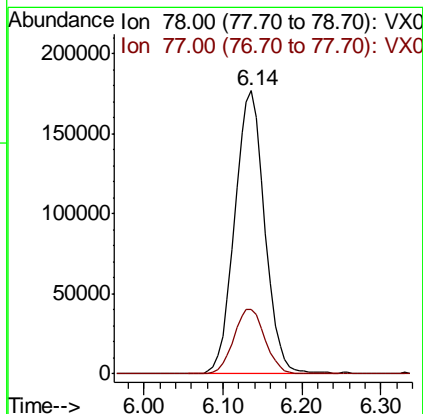
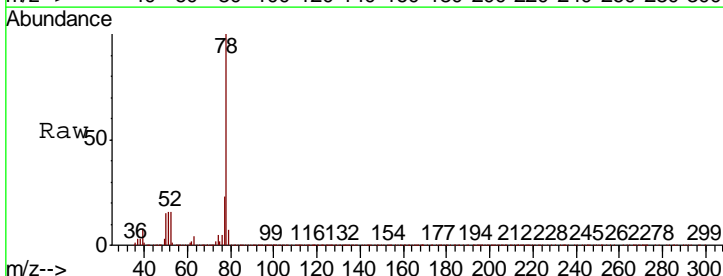
Manual Integrations
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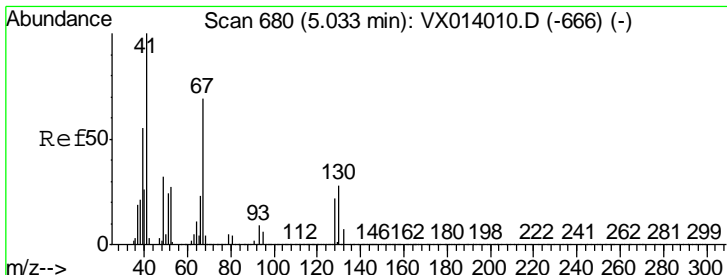
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#40
 Benzene
 Concen: 19.717 ug/l
 RT: 6.14 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
78	467882		
78	100		
77	22.8	18.8	28.2





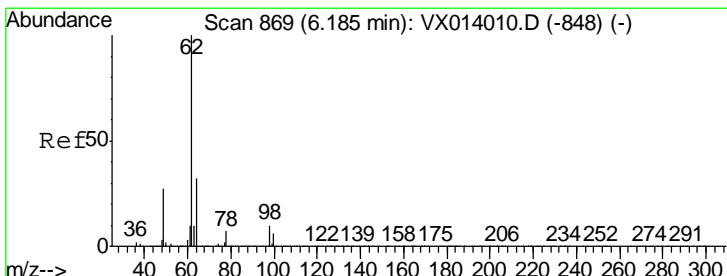
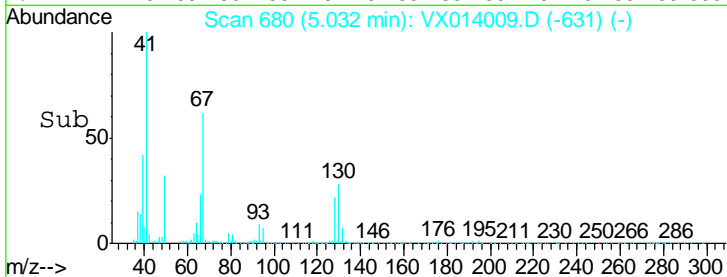
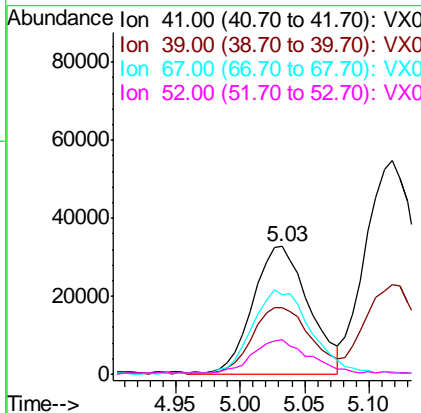
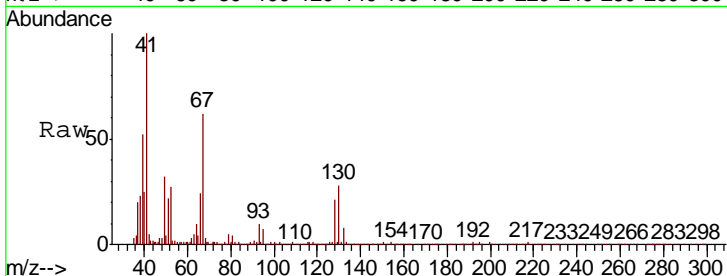
#41
 Methacrylonitrile
 Concen: 20.757 ug/l
 RT: 5.03 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
41	100		
39	54.0	44.5	66.7
67	68.5	57.4	86.0
52	27.3	23.0	34.4

Instrument : MSVOA_X
 ClientSampled : VSTDIC020

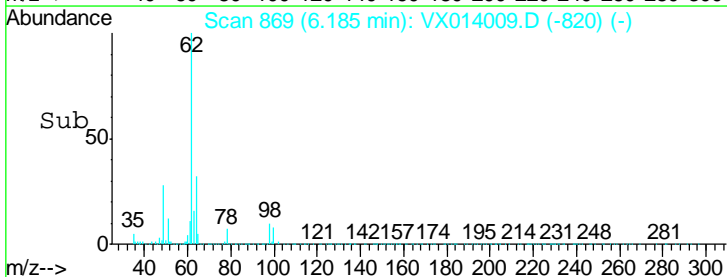
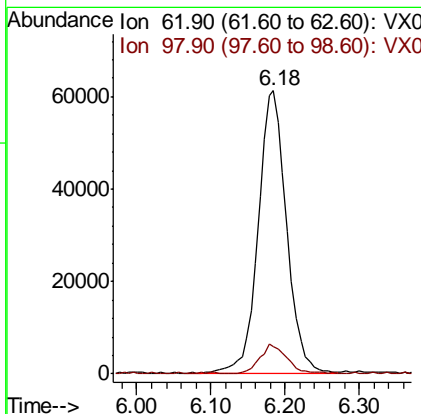
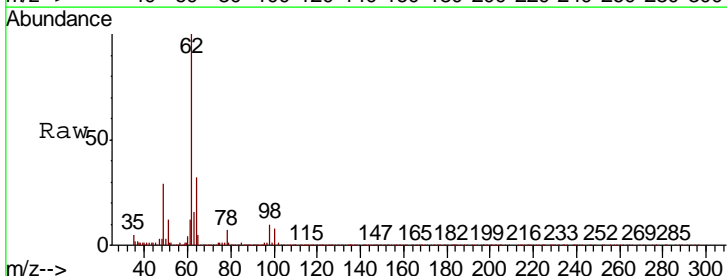
Manual Integrations
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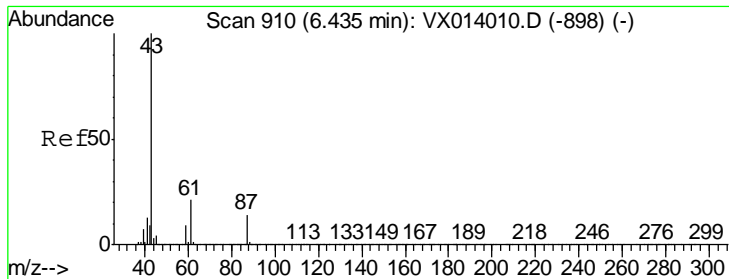
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#42
 1,2-Dichloroethane
 Concen: 20.343 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.6	0.0	21.0





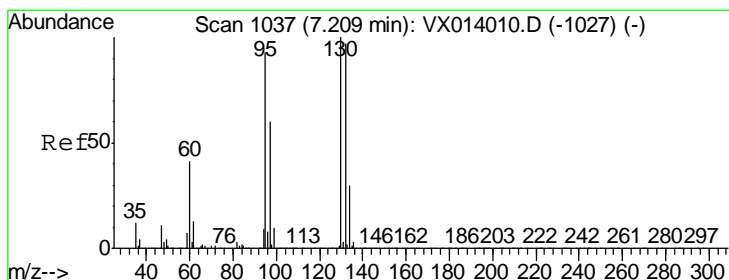
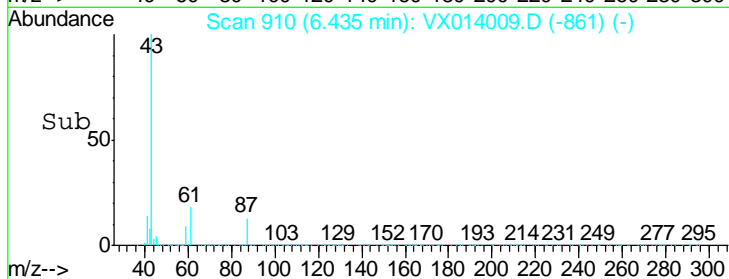
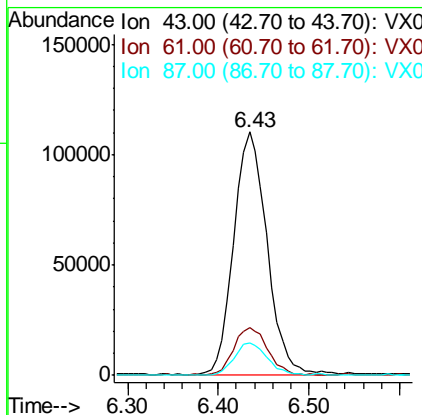
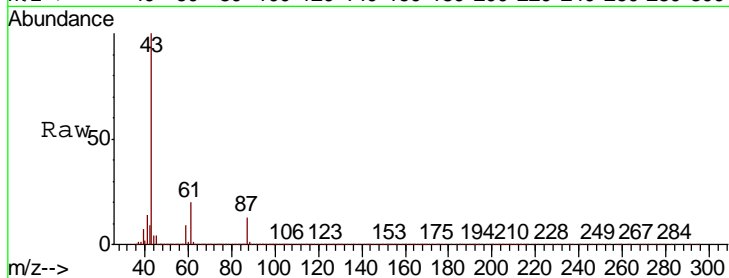
#43
 Isopropyl Acetate
 Concen: 19.464 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.9	16.4	24.6
87	13.1	10.7	16.1

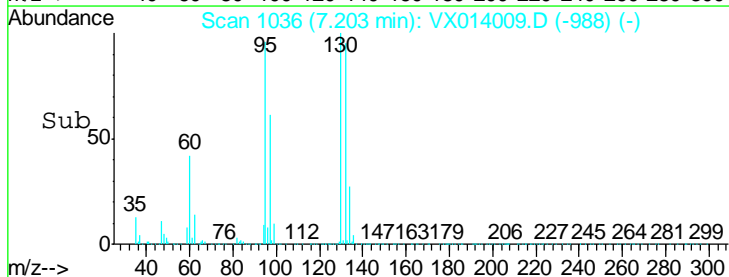
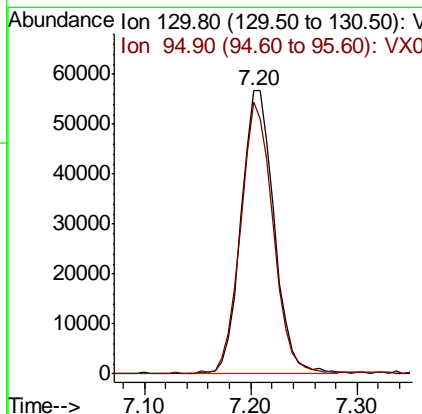
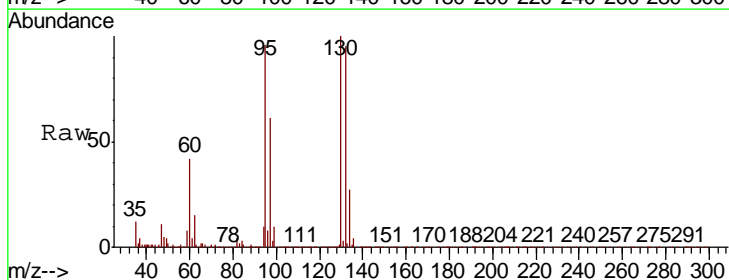
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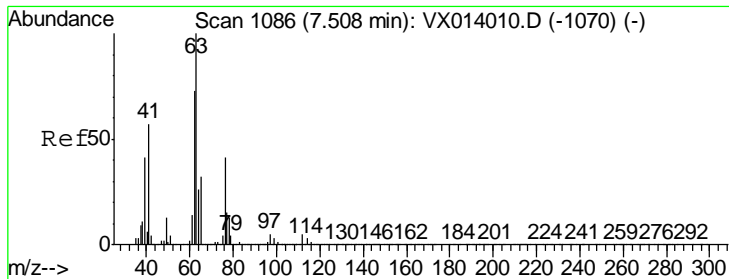
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#44
 Trichloroethene
 Concen: 19.026 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.8	0.0	185.6





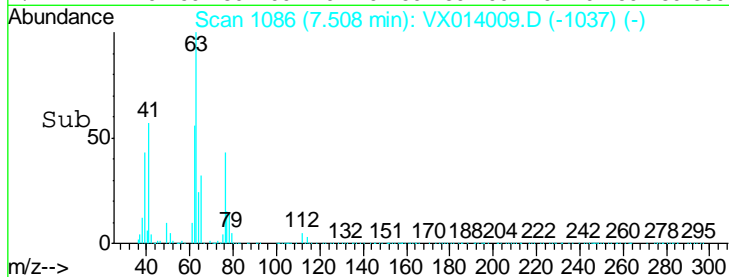
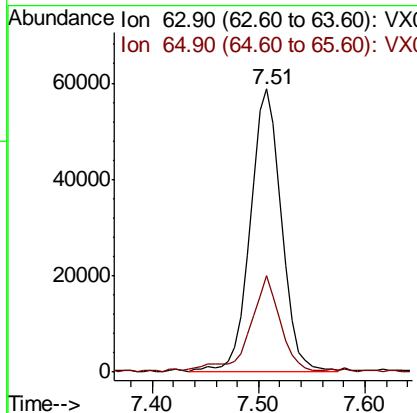
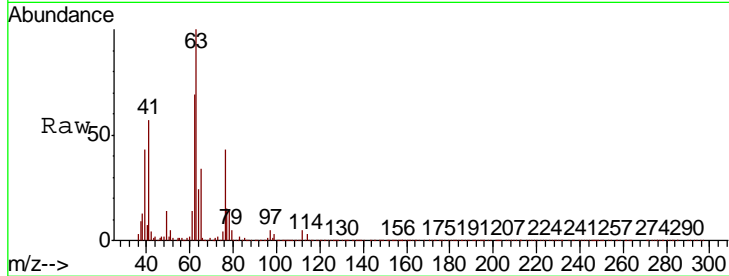
#45
 1,2-Dichloropropane
 Concen: 20.417 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
63	121446		
63	100		
65	33.4	25.8	38.8

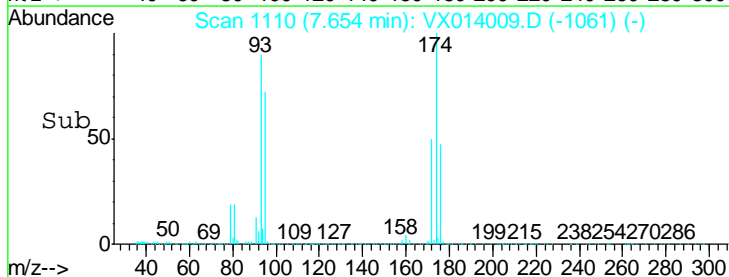
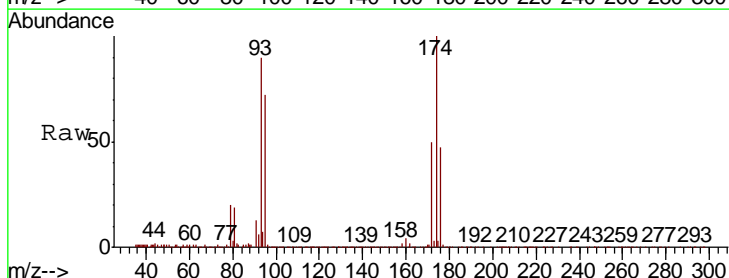
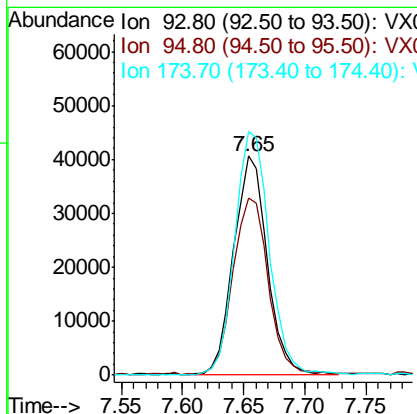
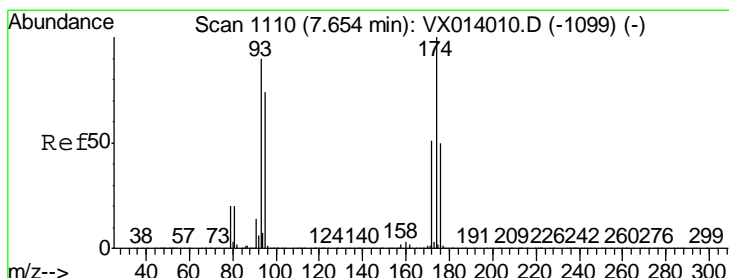
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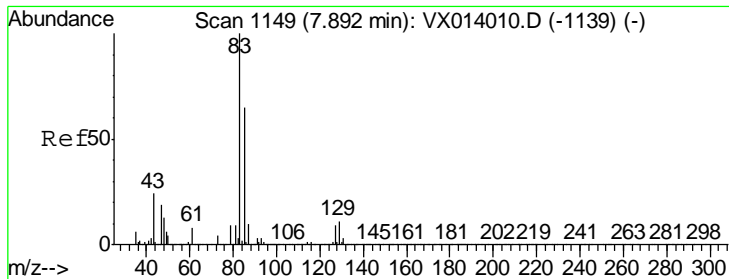
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#46
 Dibromomethane
 Concen: 19.342 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
93	77866		
93	100		
95	83.5	67.3	100.9
174	113.8	91.6	137.4





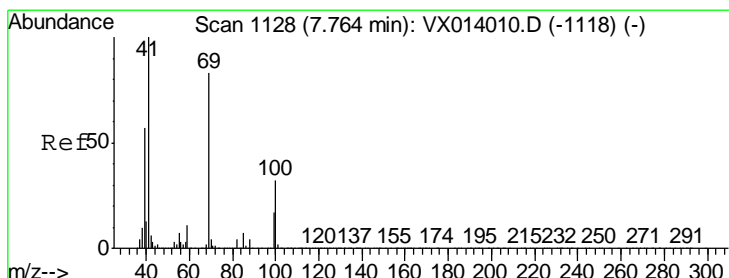
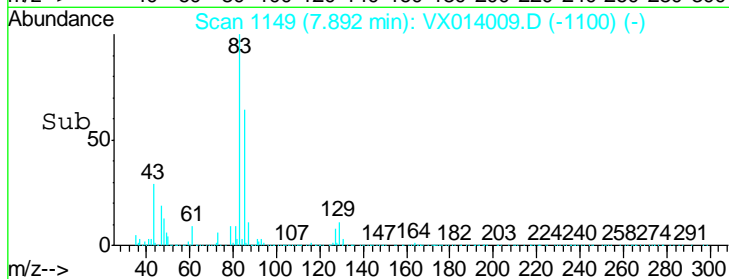
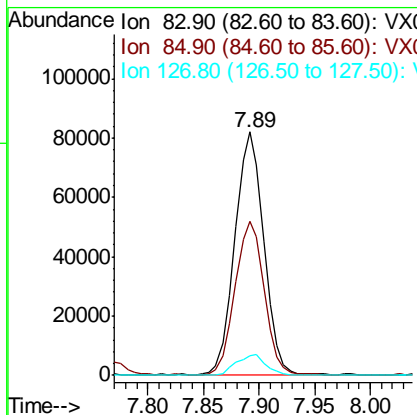
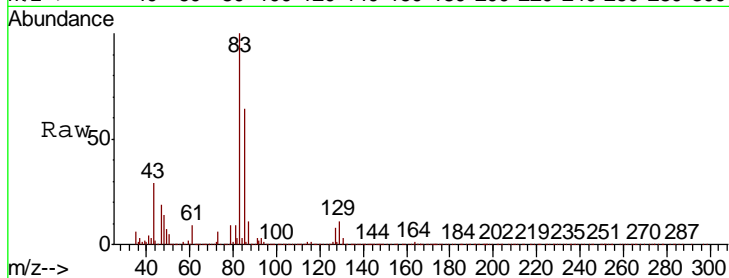
#47
 Bromodichloromethane
 Concen: 19.300 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	146845		
83	100		
85	63.4	51.8	77.8
127	8.0	7.0	10.4

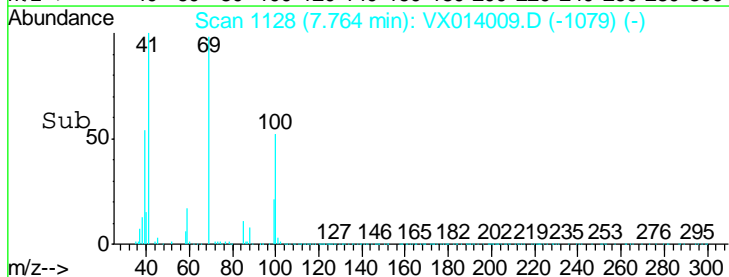
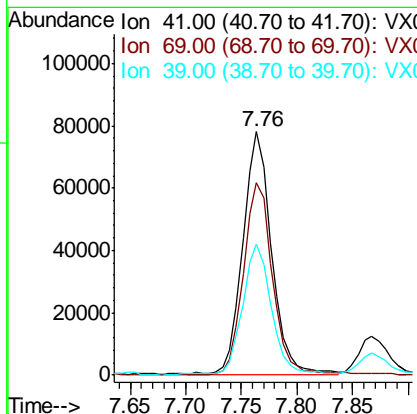
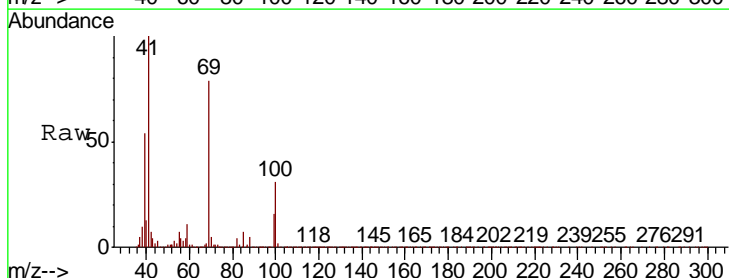
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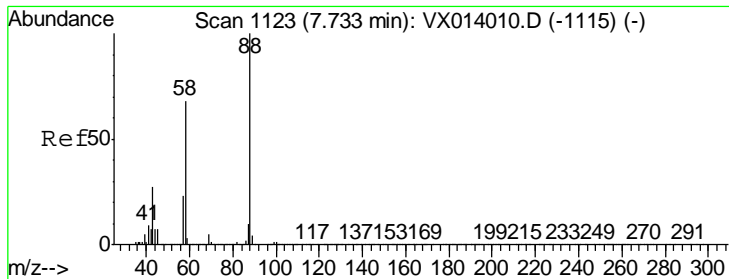
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#48
 Methyl methacrylate
 Concen: 19.994 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
41	138872		
41	100		
69	80.4	65.8	98.6
39	55.8	44.6	67.0





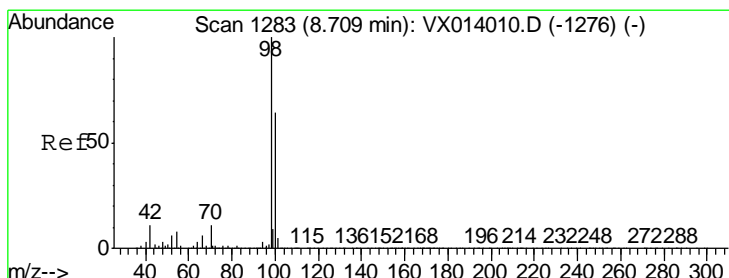
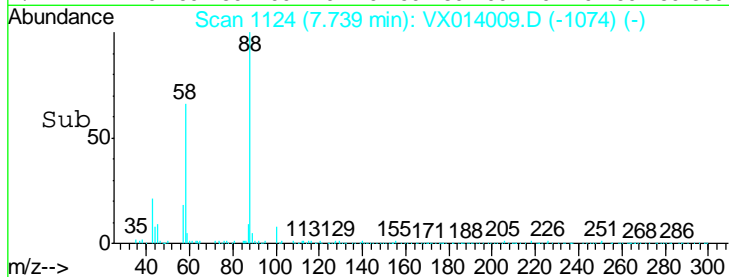
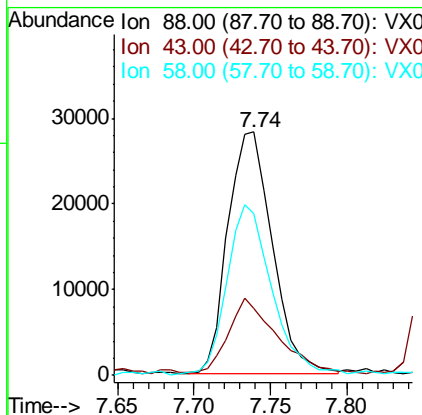
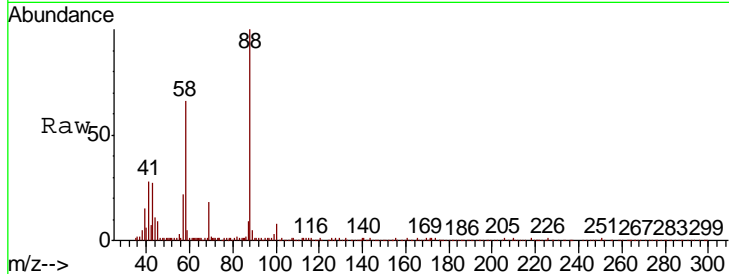
#49
 1,4-Dioxane
 Concen: 374.066 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
88	57224		
88	100		
43	33.5	26.5	39.7
58	71.6	56.8	85.2

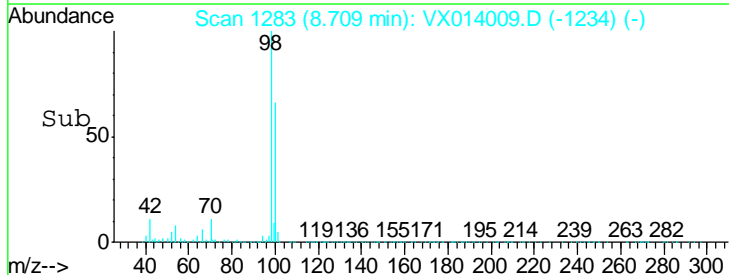
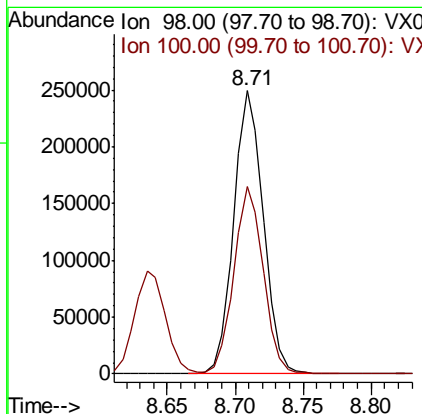
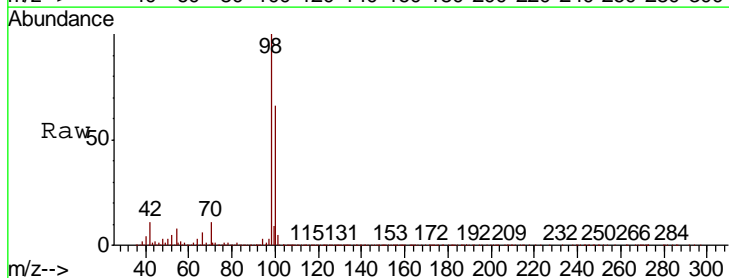
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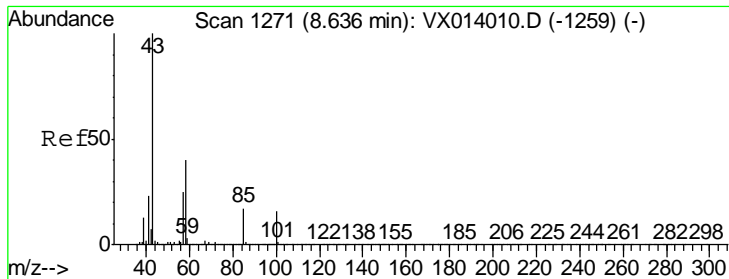
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#50
 Toluene-d8
 Concen: 18.135 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
98	377231		
98	100		
100	65.6	52.9	79.3





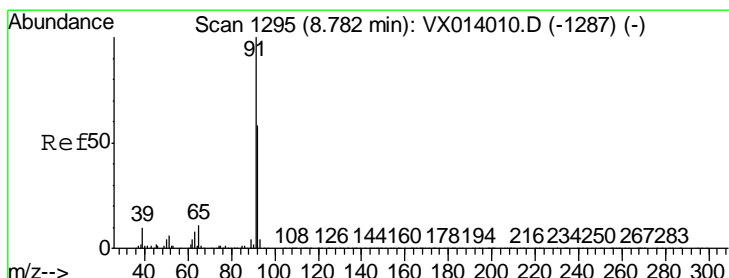
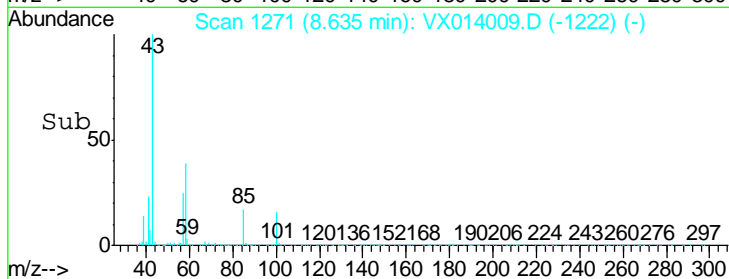
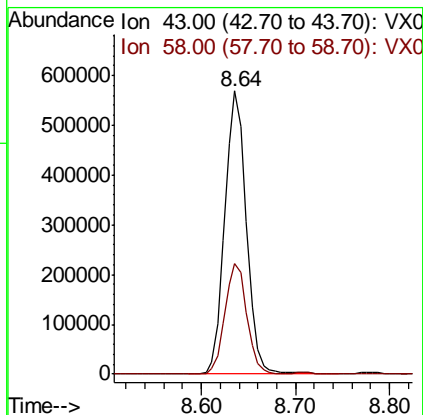
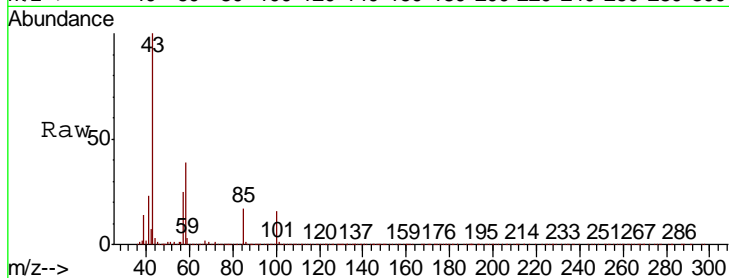
#51
 4-Methyl-2-Pentanone
 Concen: 100.248 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	32.2	48.2

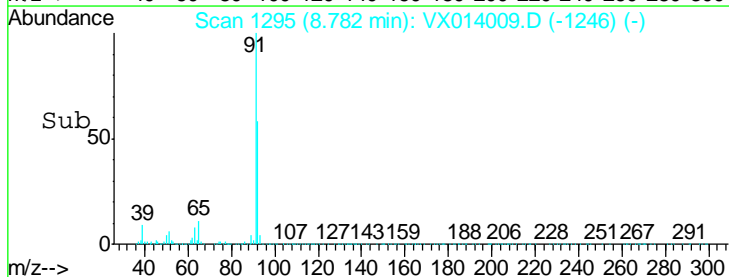
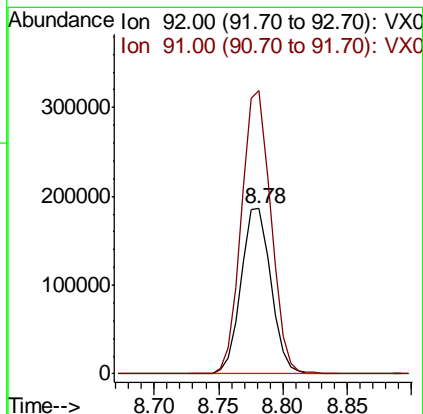
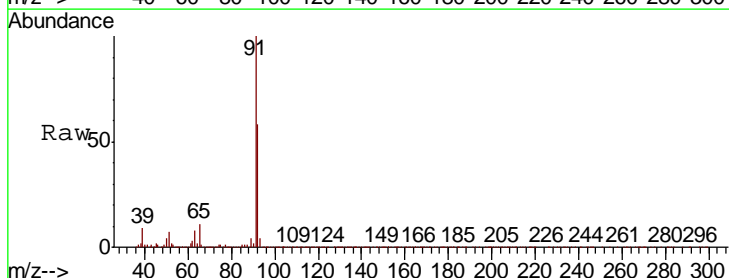
Manual Integrations
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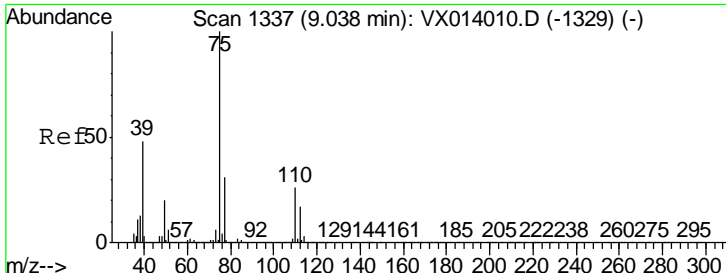
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#52
 Toluene
 Concen: 20.179 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.9	136.2	204.4





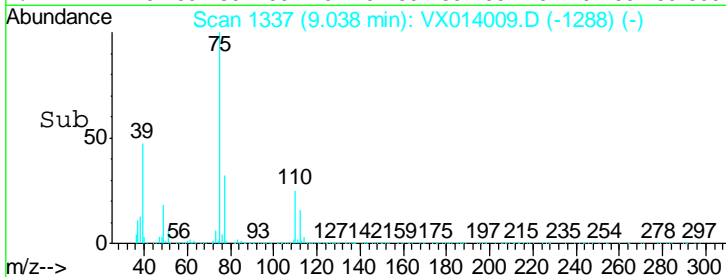
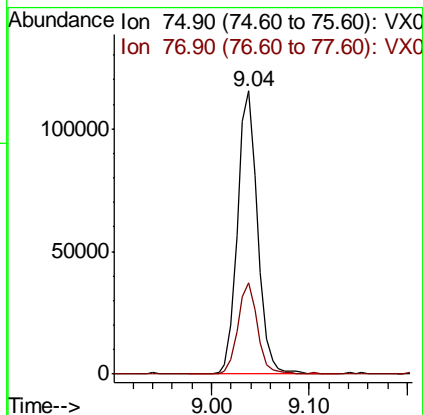
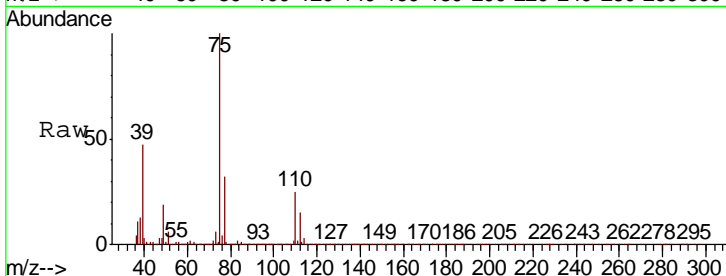
#53
 t-1,3-Dichloropropene
 Concen: 18.924 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	163783		
75	100		
77	32.1	25.1	37.7

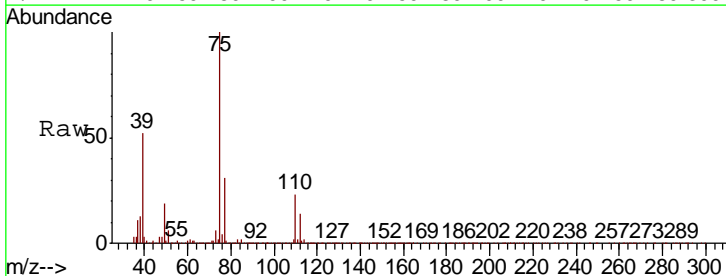
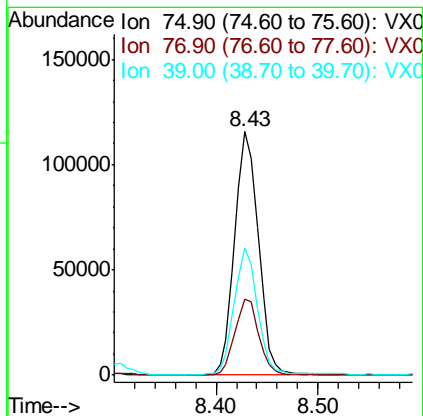
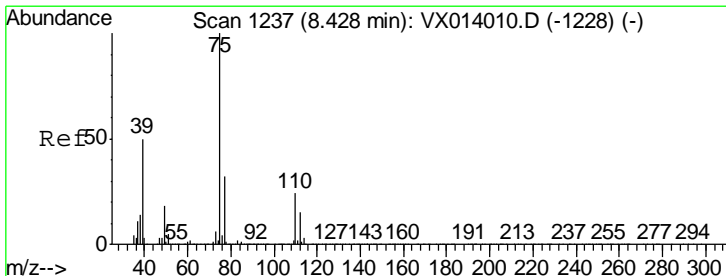
Manual Integrations
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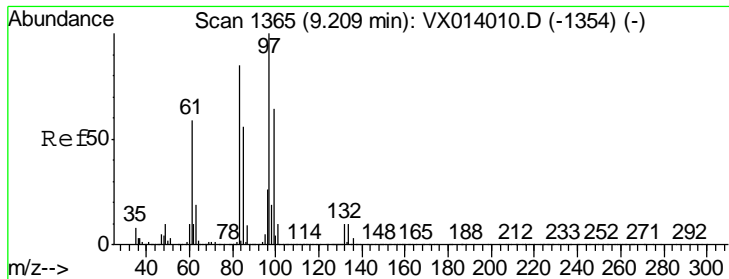
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#54
 cis-1,3-Dichloropropene
 Concen: 19.745 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
75	186886		
75	100		
77	31.0	25.3	37.9
39	51.7	39.9	59.9





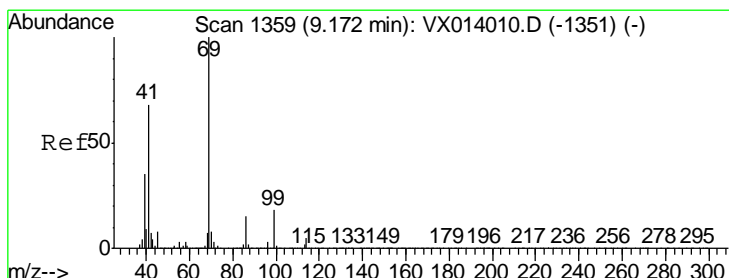
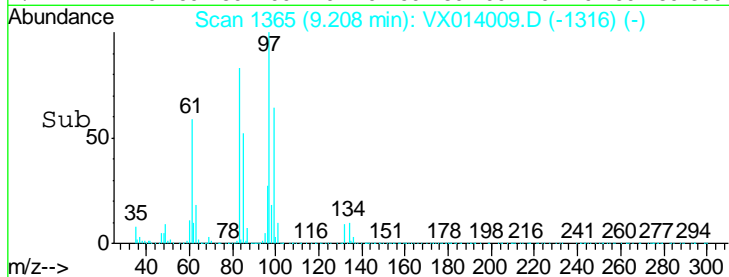
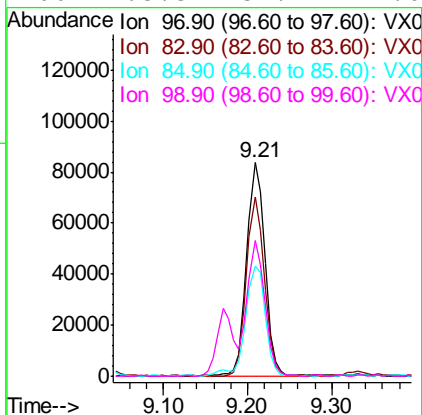
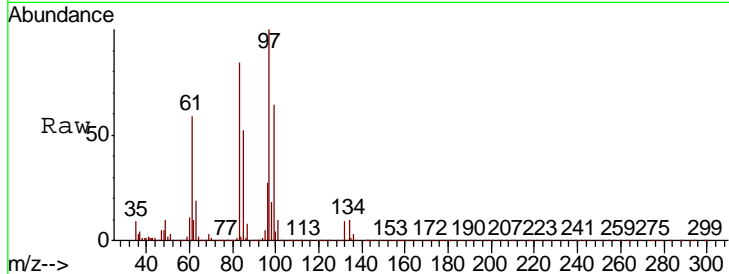
#55
 1,1,2-Trichloroethane
 Concen: 20.547 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
97	122064		
83	83.2	68.2	102.4
85	51.7	44.6	66.8
99	63.3	51.4	77.0

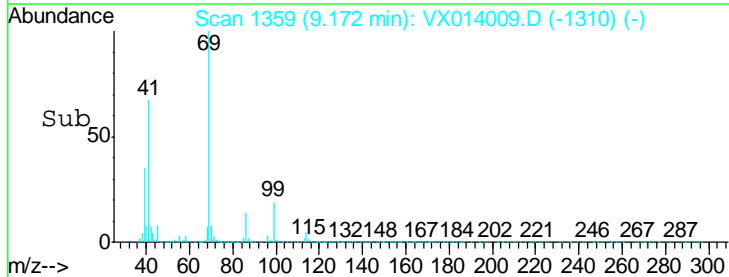
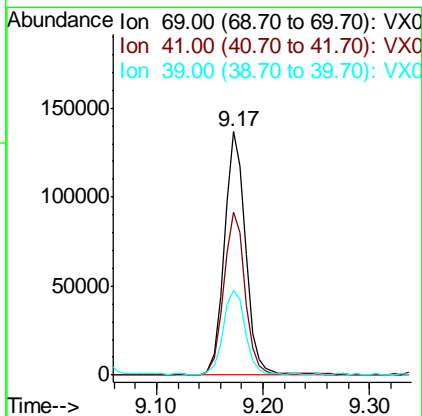
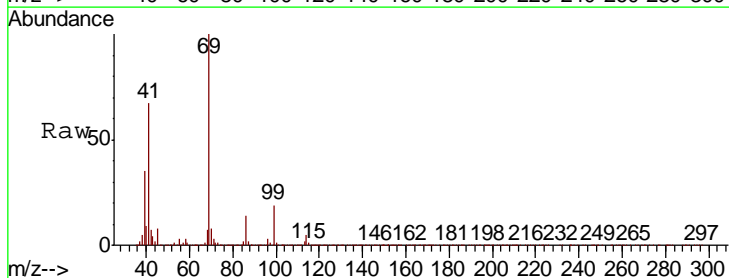
Manual Integrations
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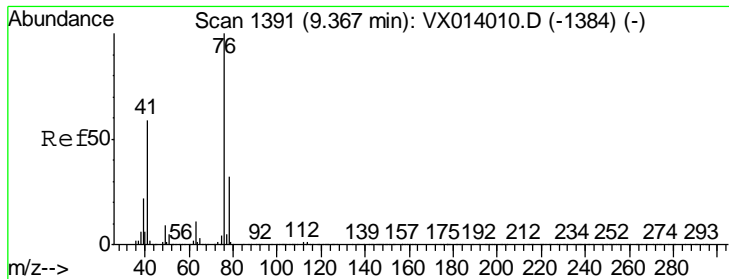
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#56
 Ethyl methacrylate
 Concen: 19.884 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
69	190229		
41	68.2	54.8	82.2
39	36.0	28.3	42.5





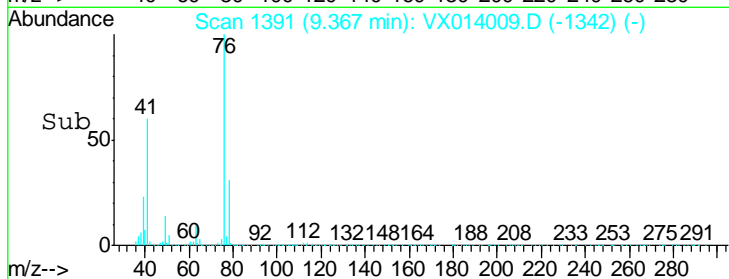
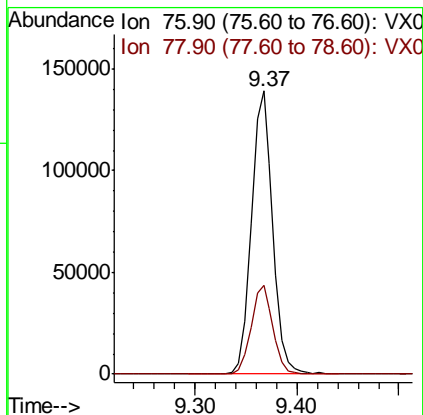
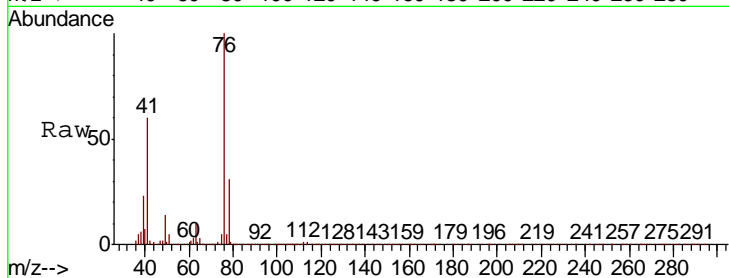
#57
 1,3-Dichloropropane
 Concen: 19.662 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	201576		
76	100		
78	31.7	25.8	38.6

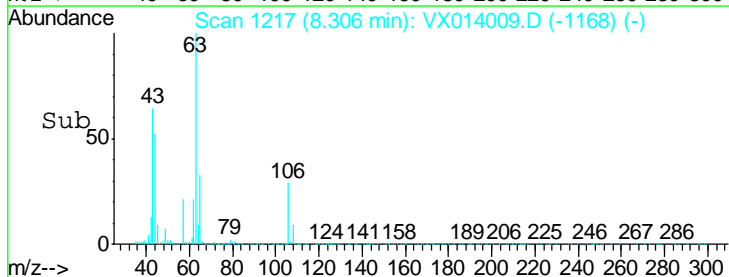
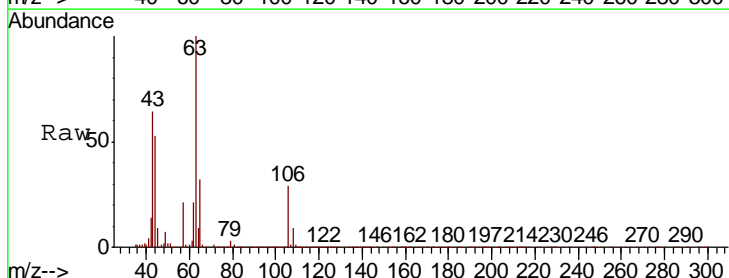
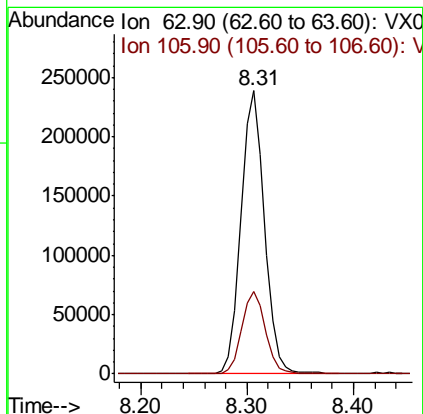
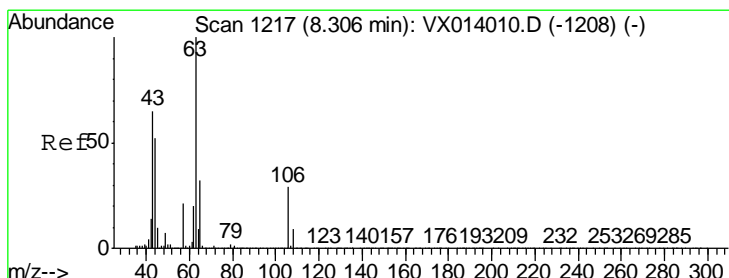
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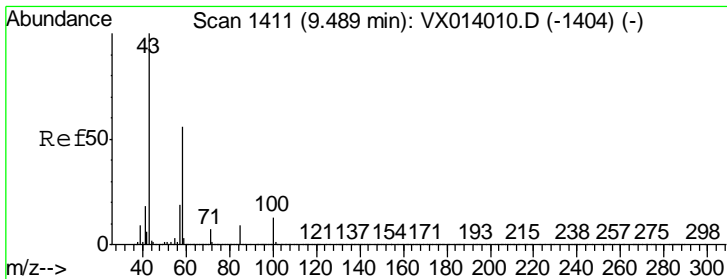
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.492 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
63	369372		
63	100		
106	29.5	23.0	34.6





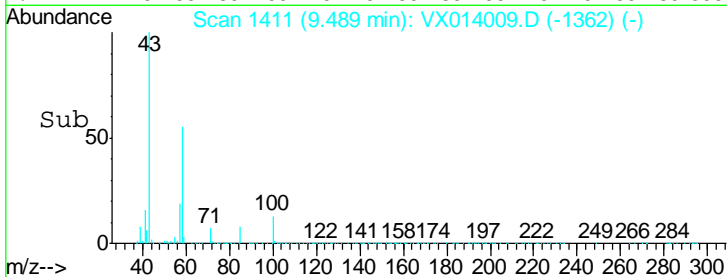
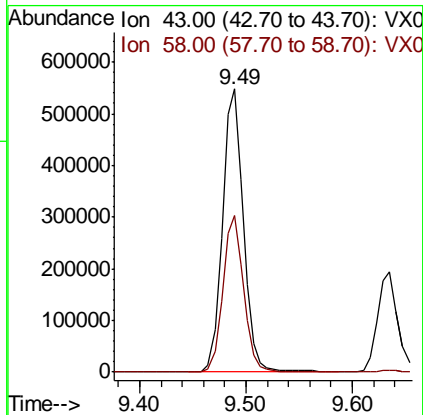
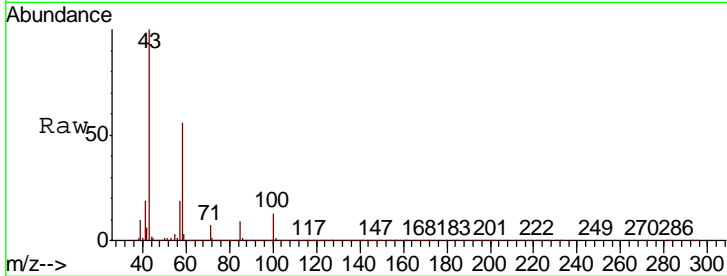
#59
 2-Hexanone
 Concen: 106.184 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 ClientSampled : VX014009.D
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	54.7	28.0	84.0

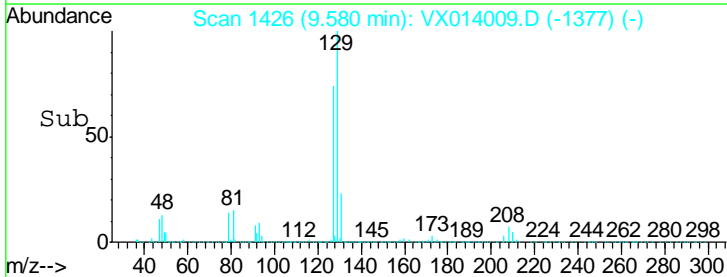
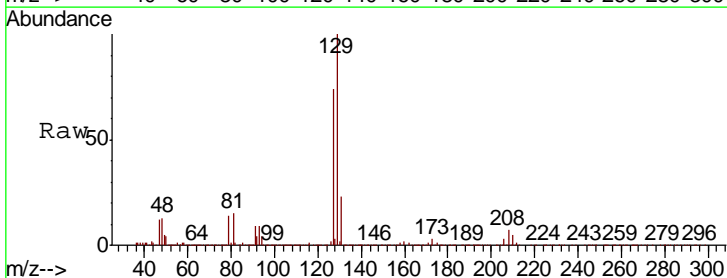
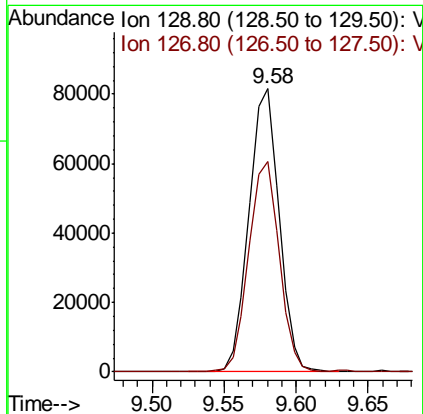
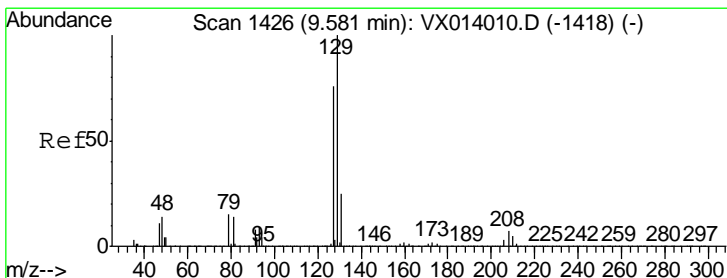
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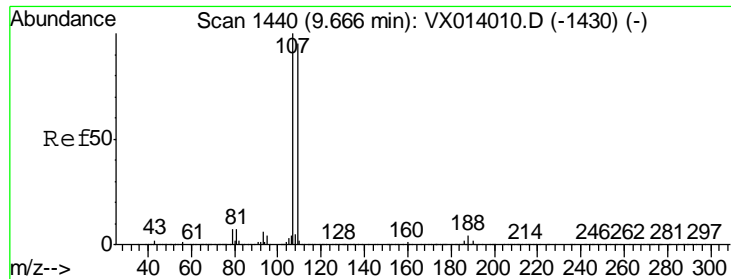
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#60
 Dibromochloromethane
 Concen: 19.287 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
129	100		
127	74.7	38.4	115.2





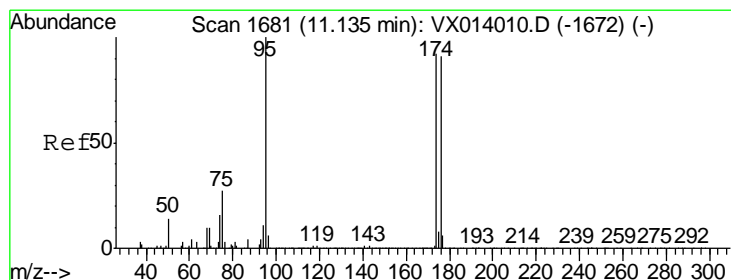
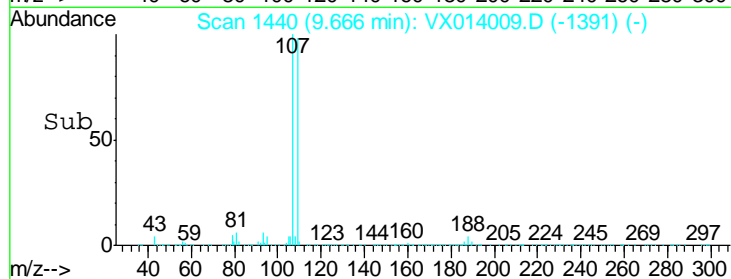
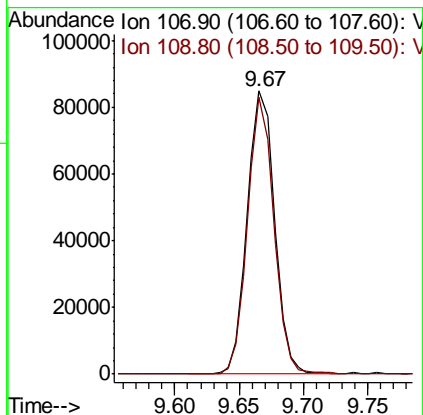
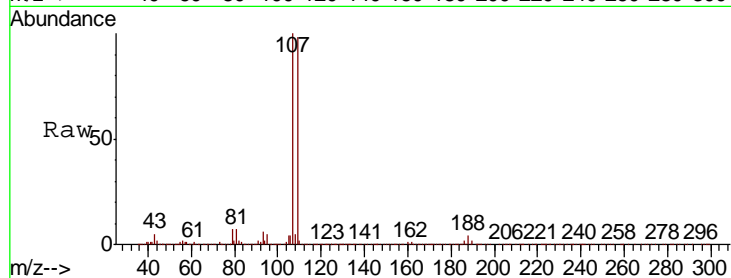
#61
 1,2-Dibromoethane
 Concen: 19.532 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
107	123768		
109	94.1	75.7	113.5

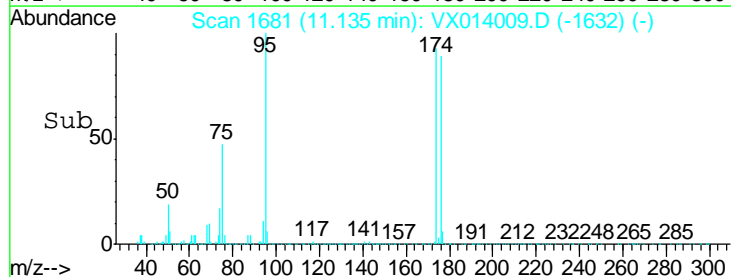
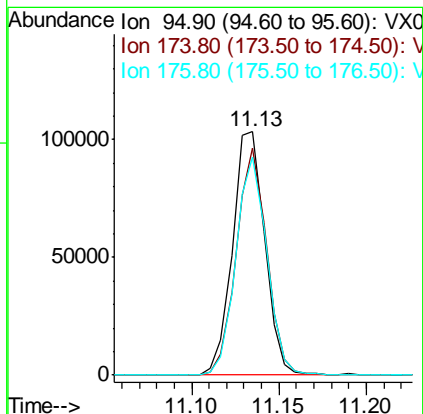
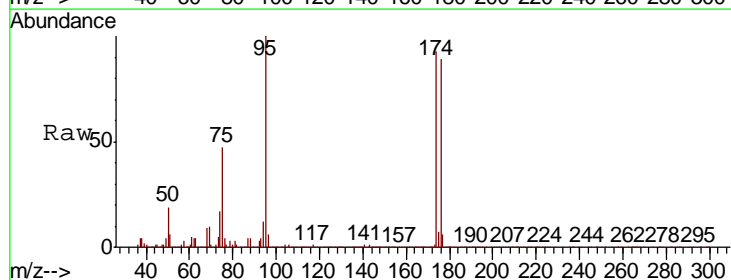
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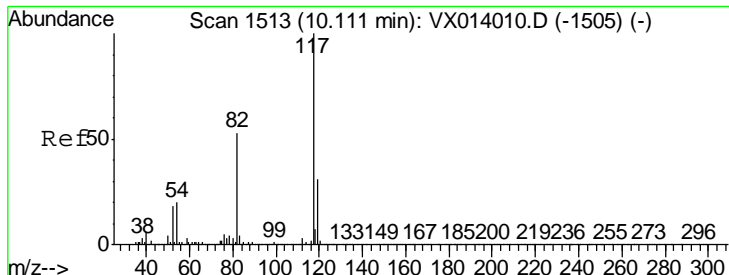
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#62
 4-Bromofluorobenzene
 Concen: 17.613 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
95	132465		
174	88.4	0.0	175.8
176	86.5	0.0	173.0





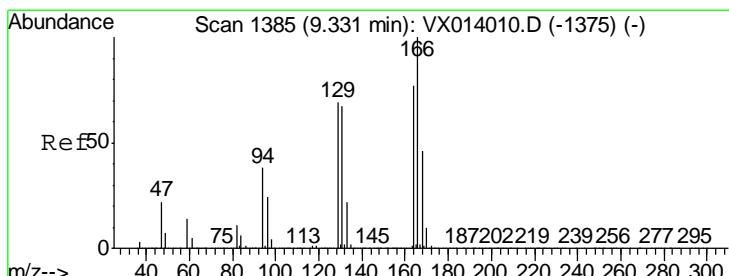
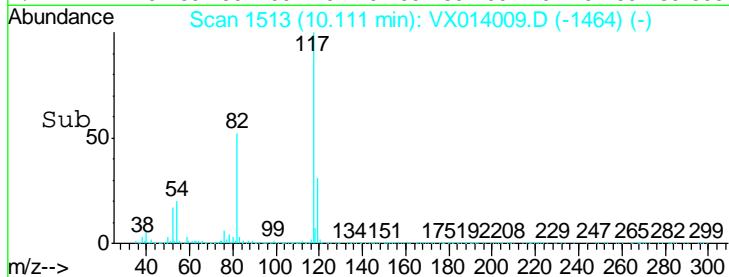
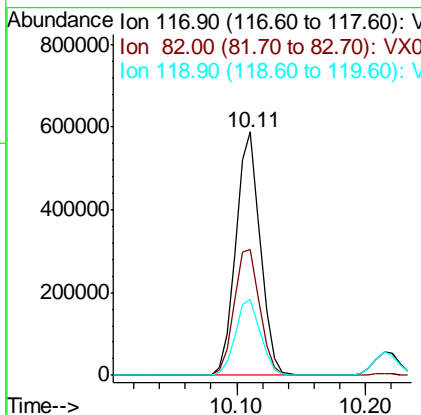
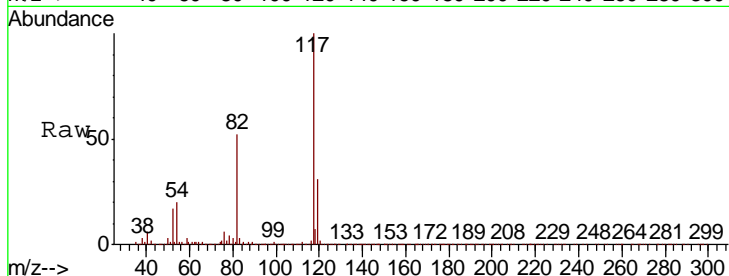
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
117	774441		
82	51.8	42.2	63.4
119	31.3	25.1	37.7

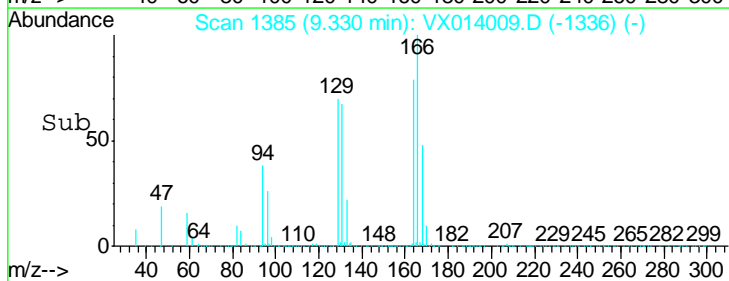
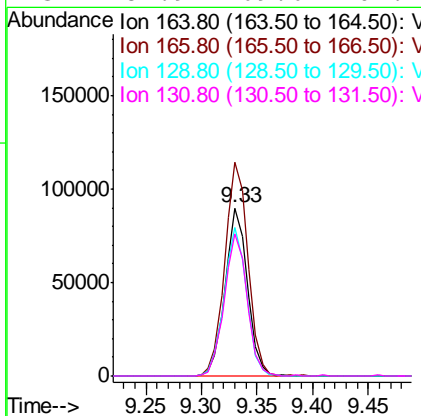
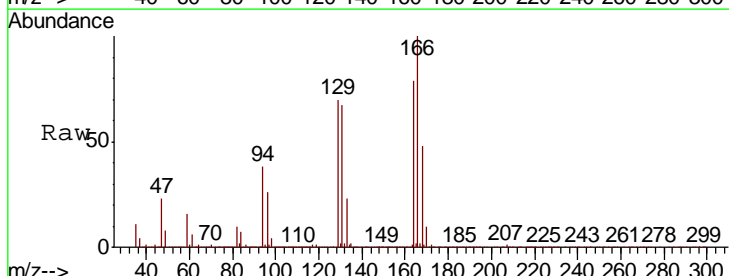
Manual Integrations
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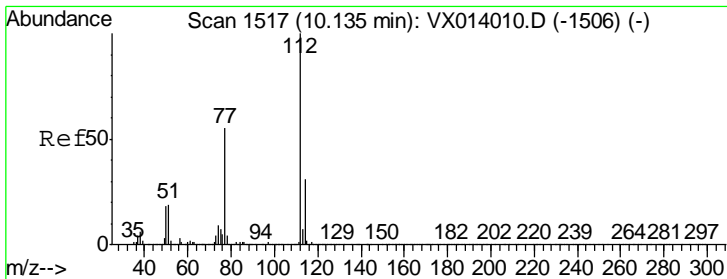
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#64
 Tetrachloroethene
 Concen: 20.900 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
164	124901		
166	127.1	104.0	156.0
129	88.4	72.2	108.4
131	84.9	69.6	104.4





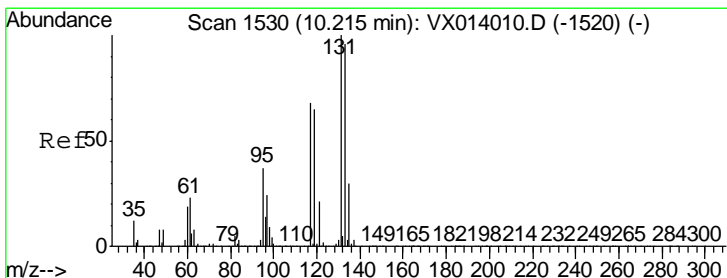
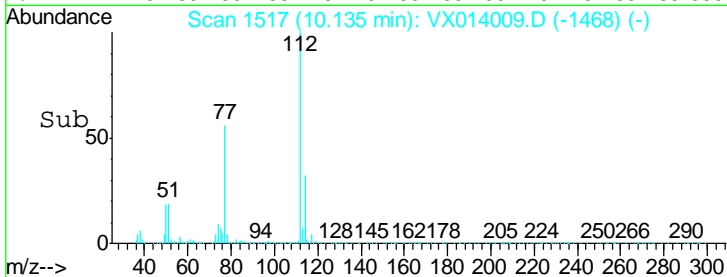
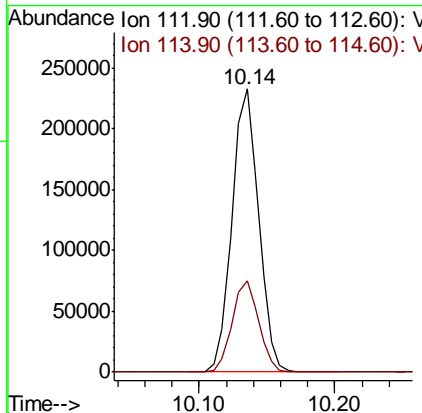
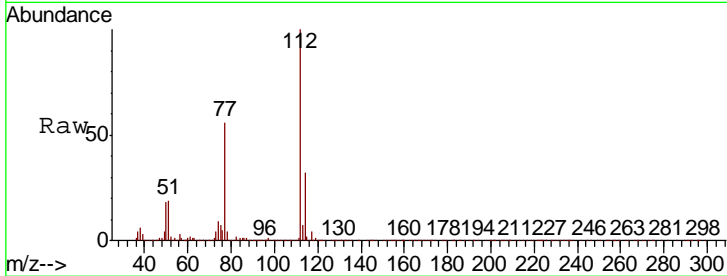
#65
 Chlorobenzene
 Concen: 19.673 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
112	318103		
114	32.3	24.9	37.3

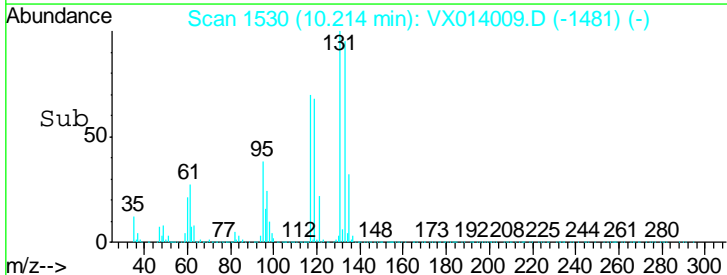
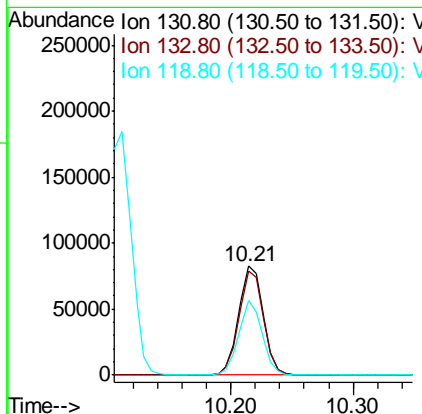
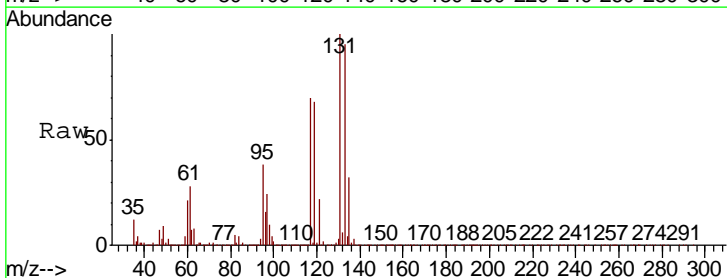
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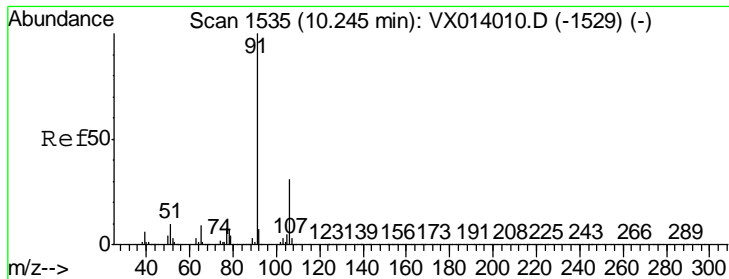
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.771 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
131	114466		
133	94.6	48.0	144.0
119	65.2	33.4	100.2





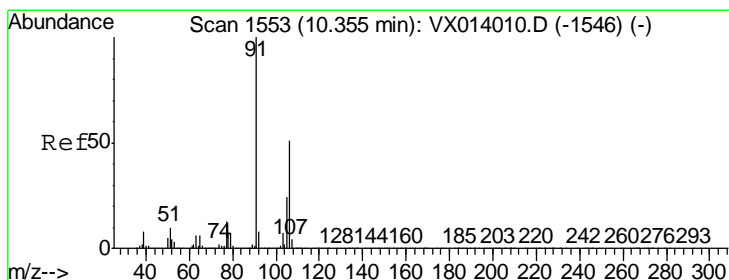
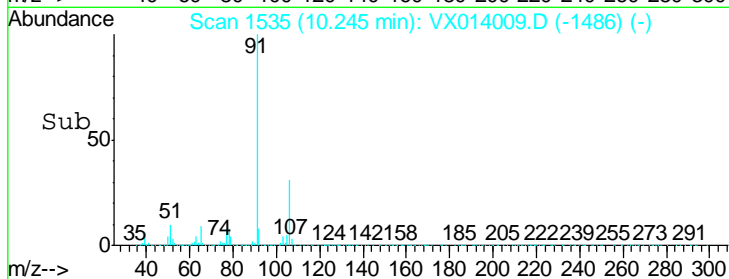
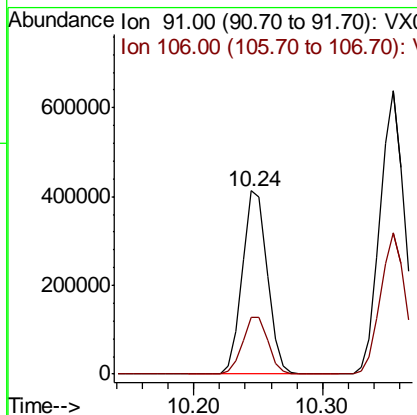
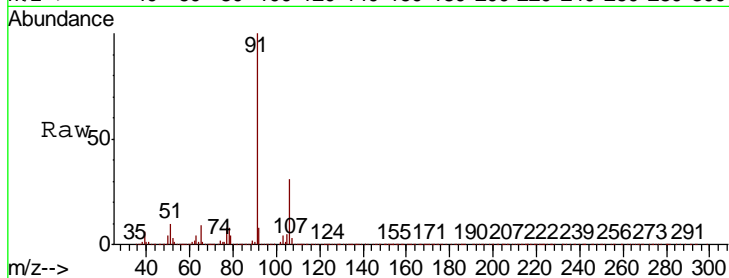
#67
Ethyl Benzene
Concen: 19.966 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
Client Sampled : VSTDIC020

Tgt Ion: 91 Resp: 554140
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

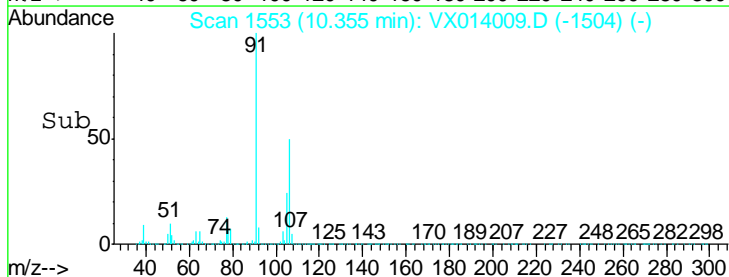
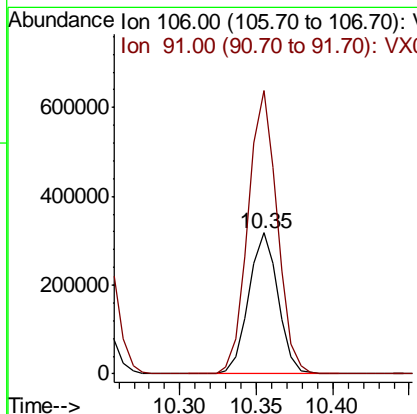
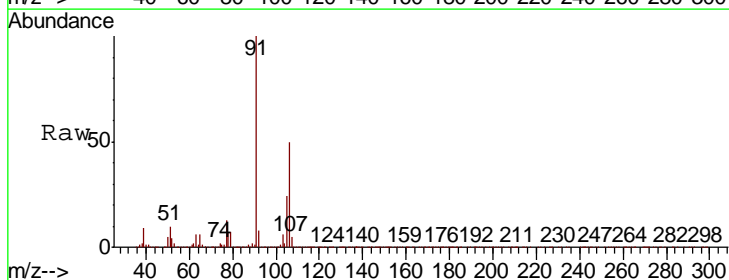
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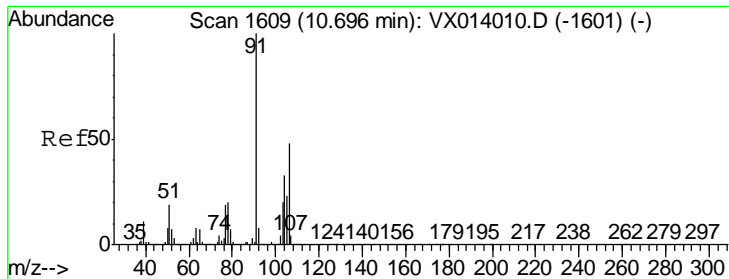
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#68
m/p-Xylenes
Concen: 39.768 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014009.D
Acq: 13 Dec 2019 15:36

Tgt Ion: 106 Resp: 423145
Ion Ratio Lower Upper
106 100
91 199.4 158.6 238.0





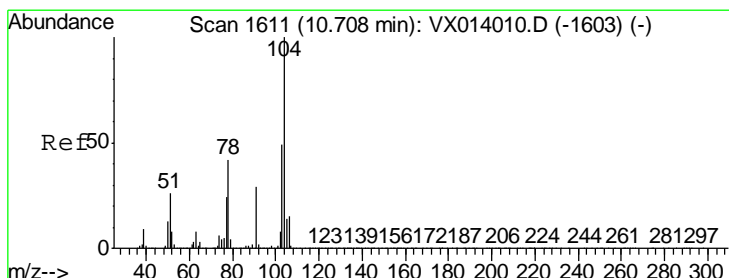
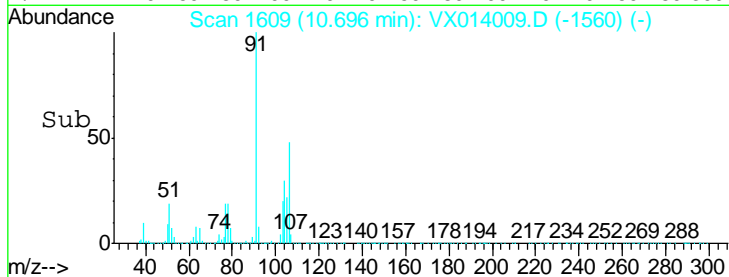
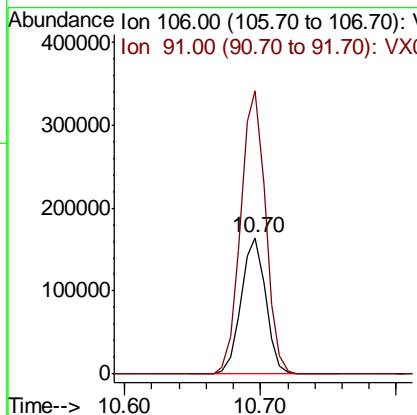
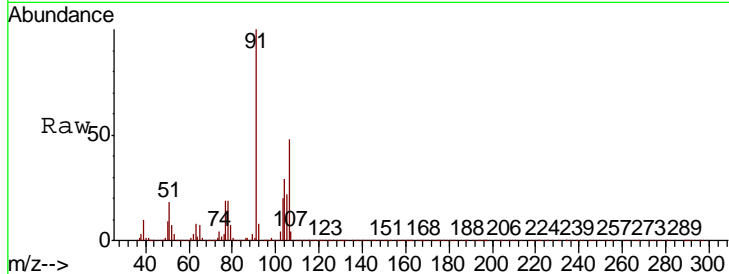
#69
 o-Xylene
 Concen: 19.910 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
106	100		
91	210.6	104.2	312.6

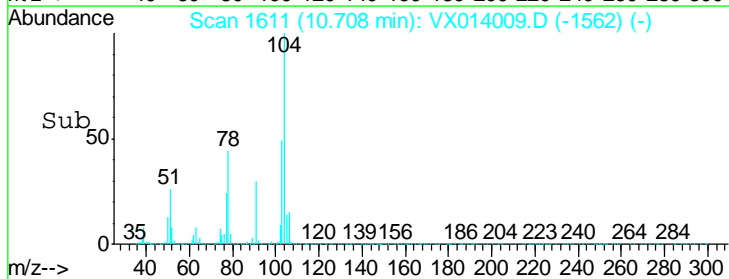
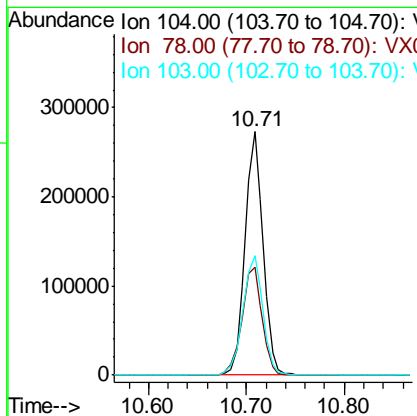
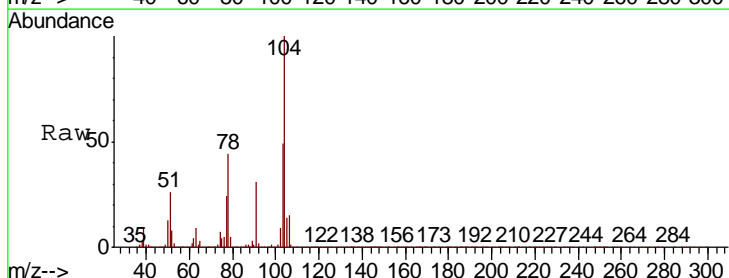
Manual Integrations
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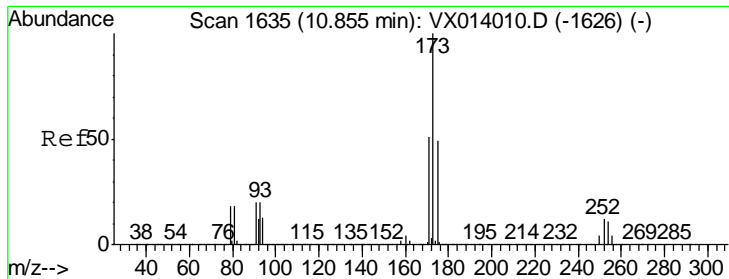
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#70
 Styrene
 Concen: 19.907 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
104	100		
78	49.7	38.5	57.7
103	53.9	42.9	64.3





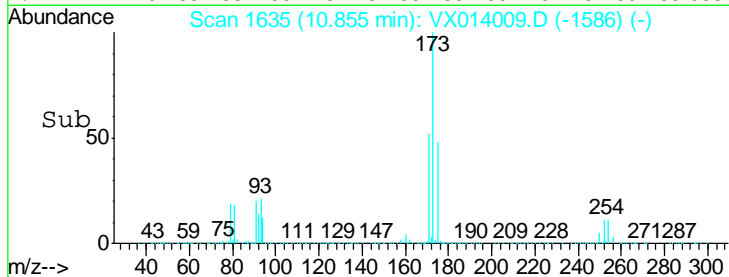
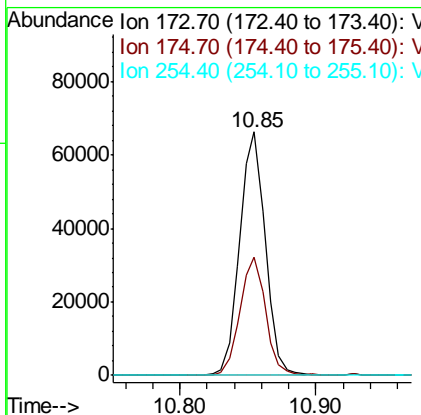
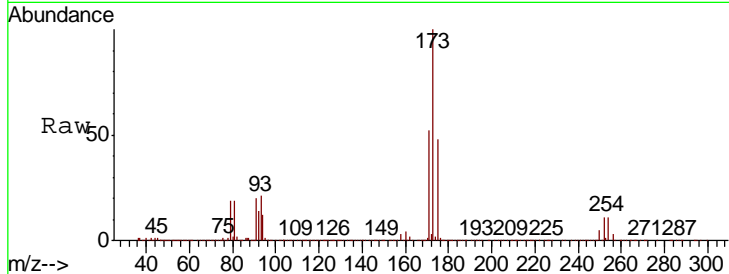
#71
 Bromoform
 Concen: 18.175 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.0	0.2	0.2

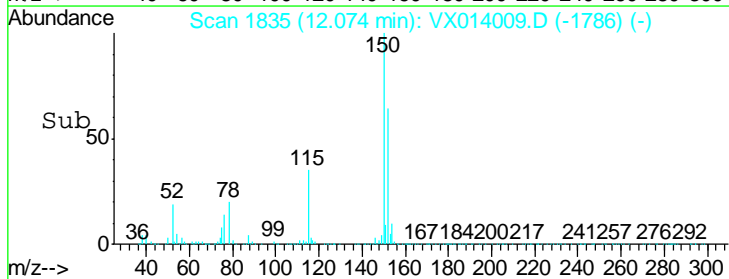
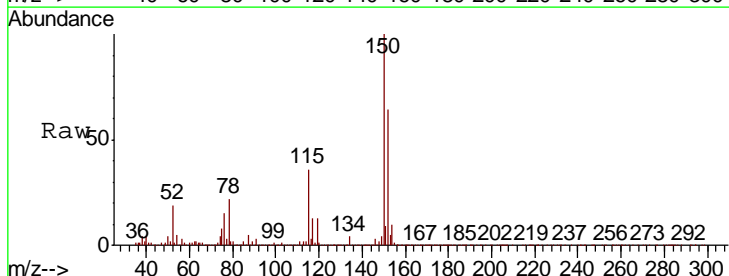
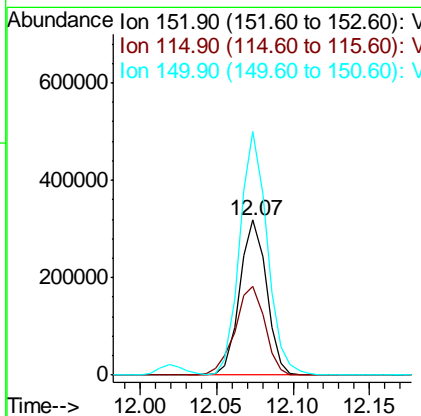
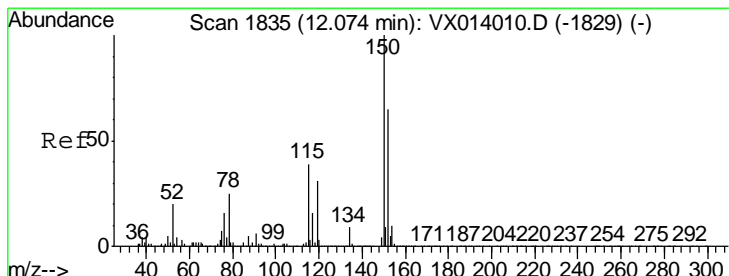
Manual Integrations
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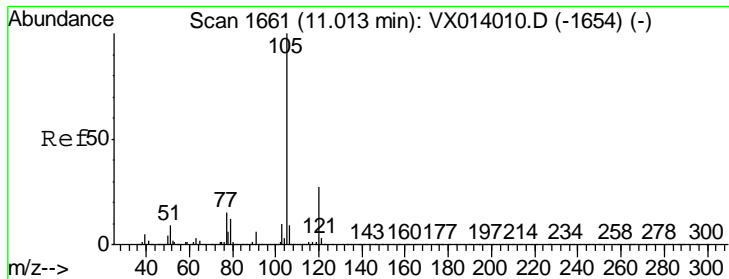
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
152	100		
115	64.3	38.3	114.9
150	161.5	0.0	345.4





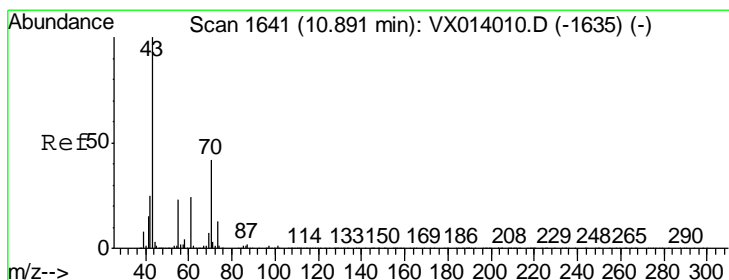
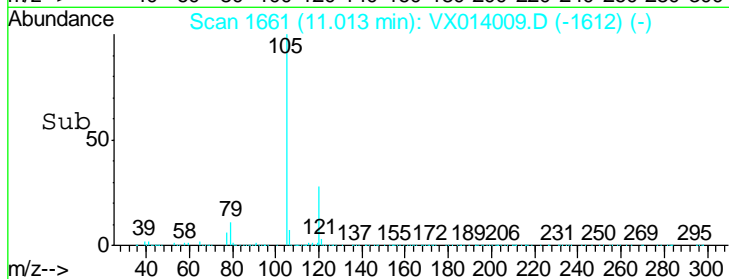
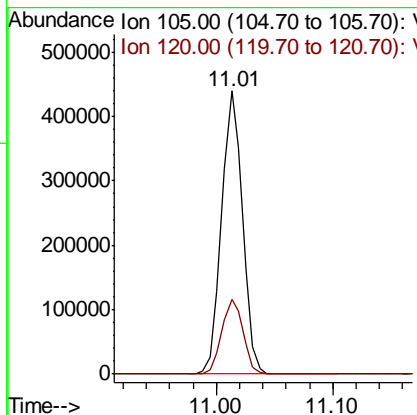
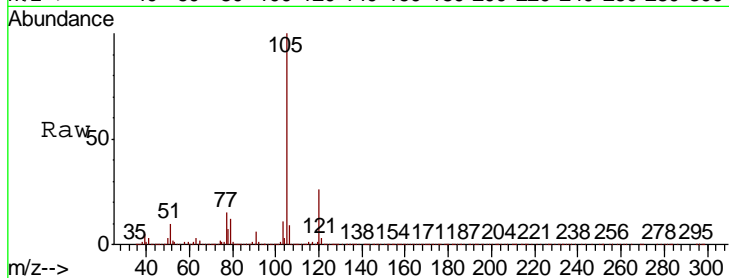
#73
 Isopropylbenzene
 Concen: 20.101 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	544940	100	100
120	26.8	13.5	40.4

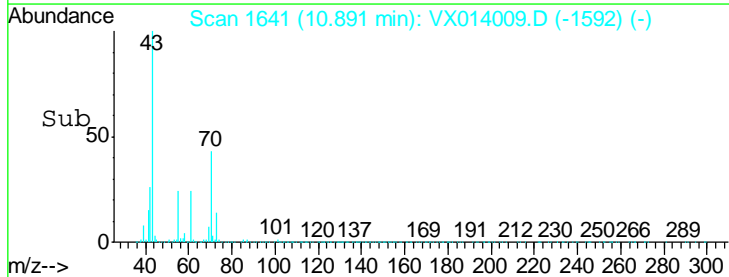
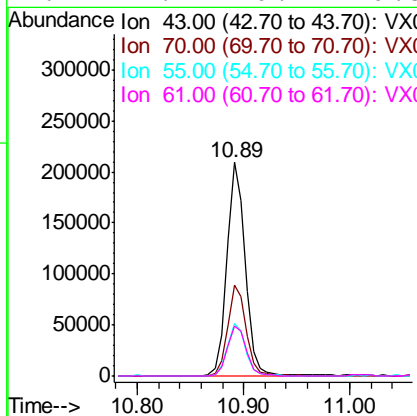
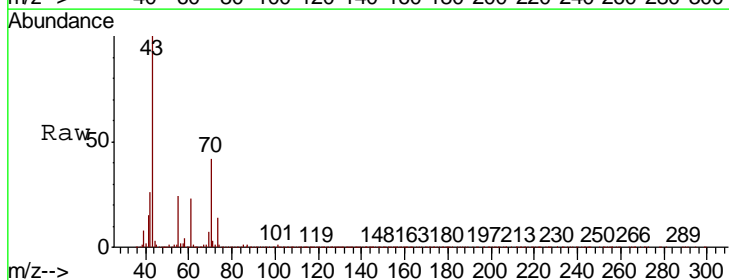
Manual Integrations
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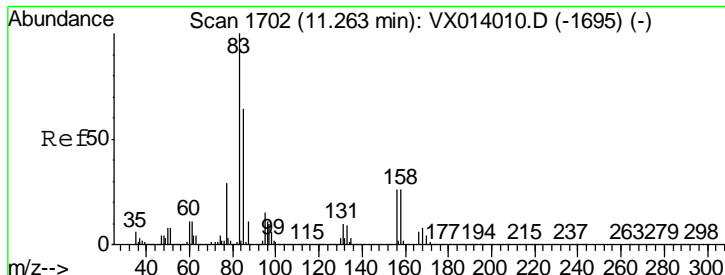
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#74
 N-ethyl acetate
 Concen: 20.351 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
43	252737	100	100
70	43.1	34.4	51.6
55	25.2	19.1	28.7
61	24.4	19.7	29.5





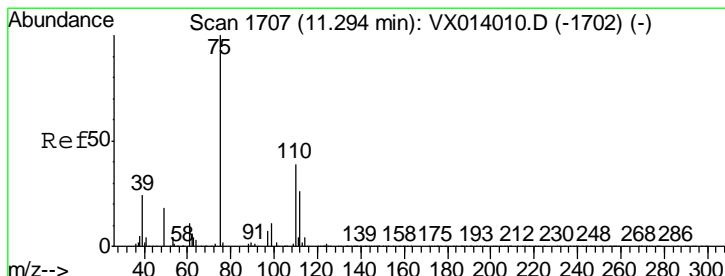
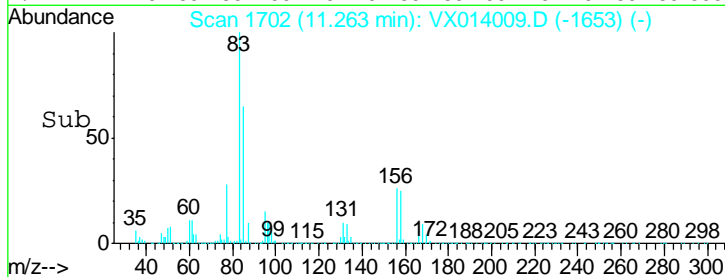
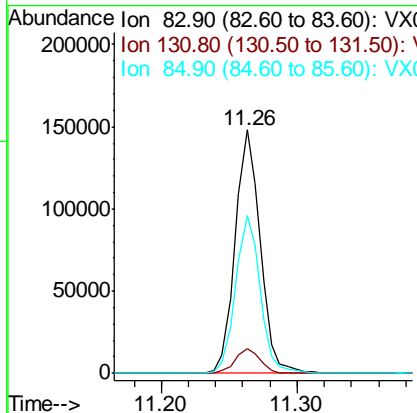
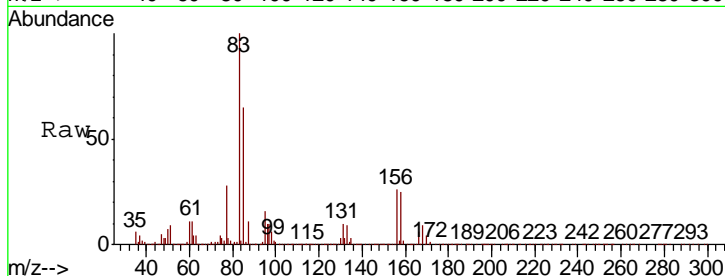
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.130 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	188950		
131	10.4	5.1	15.2
85	63.9	31.9	95.7

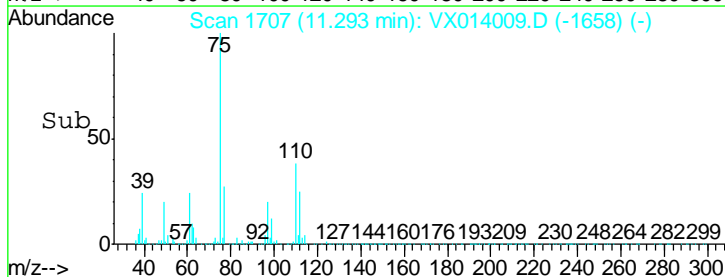
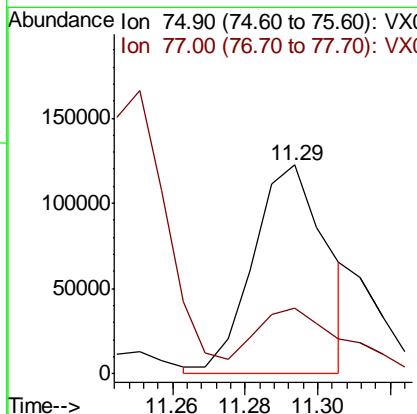
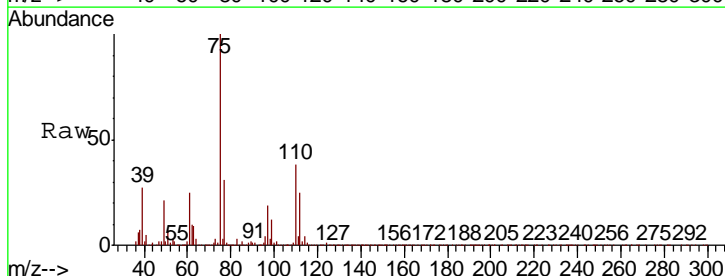
Manual Integrations
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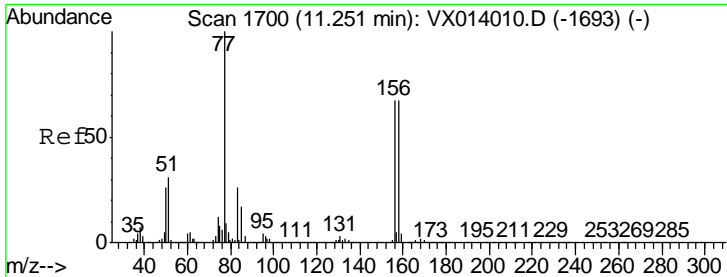
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#76
 1,2,3-Trichloropropane
 Concen: 19.876 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
75	171818		
77	37.8	19.3	57.8





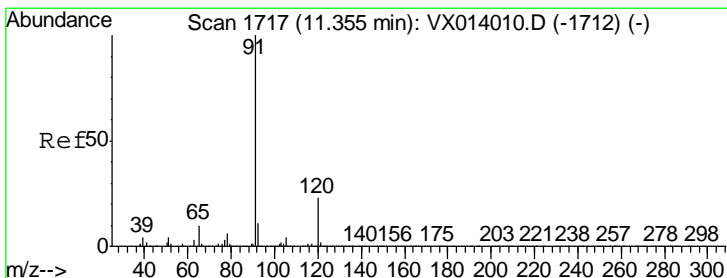
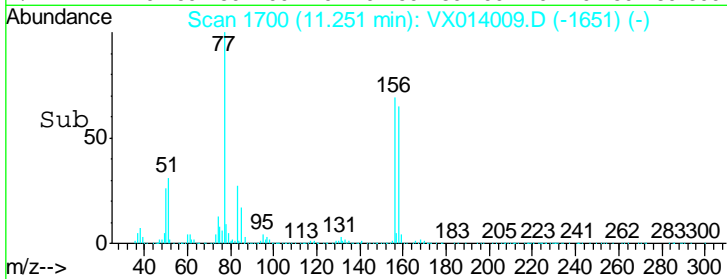
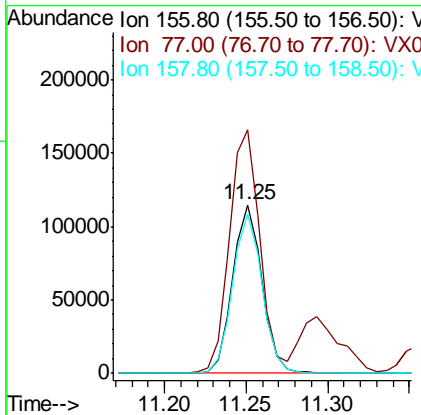
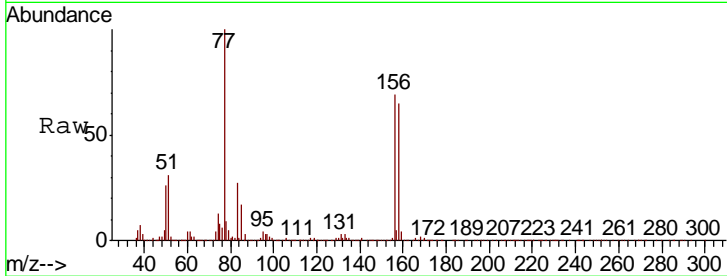
#77
 Bromobenzene
 Concen: 19.642 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	143527		
77	150.1	76.5	229.5
158	95.2	49.3	147.9

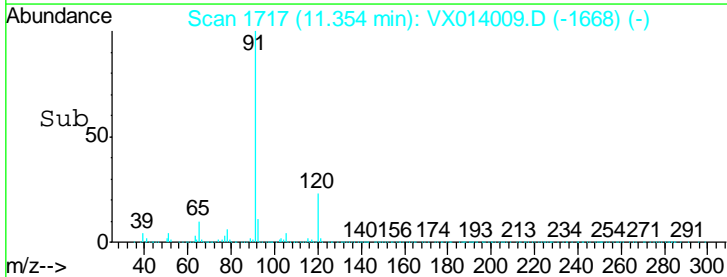
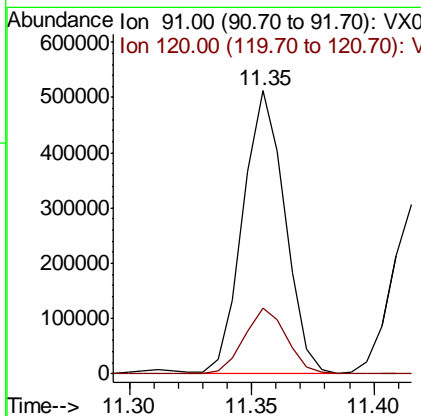
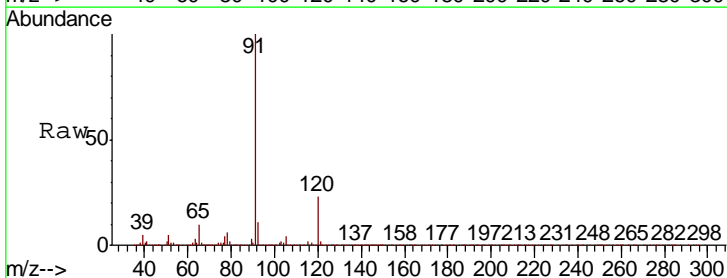
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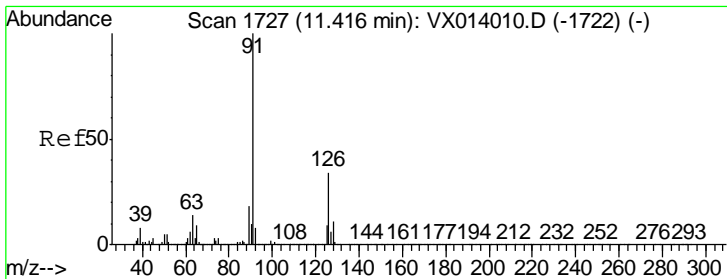
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#78
 n-propylbenzene
 Concen: 20.092 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
91	609085		
120	23.5	11.7	35.0





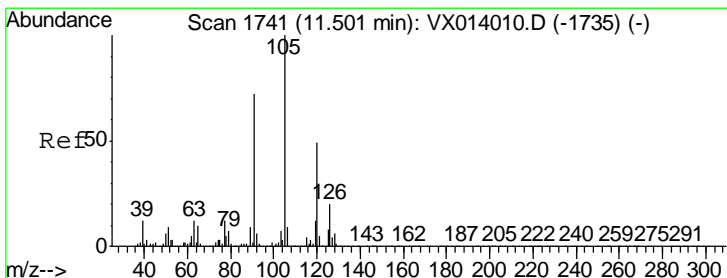
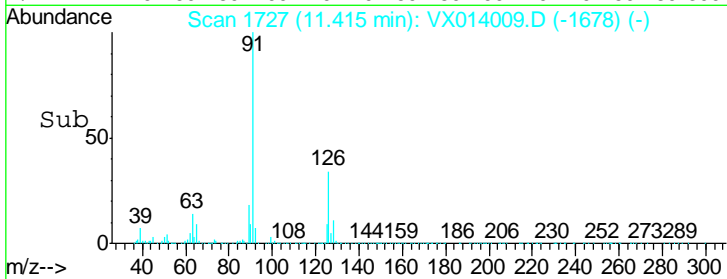
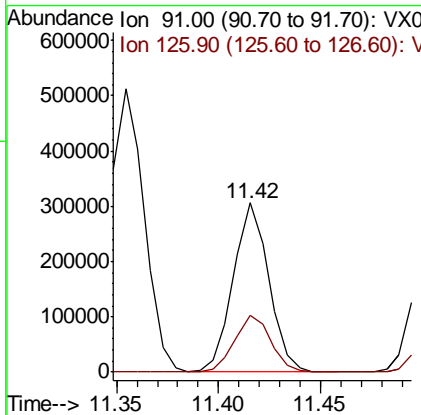
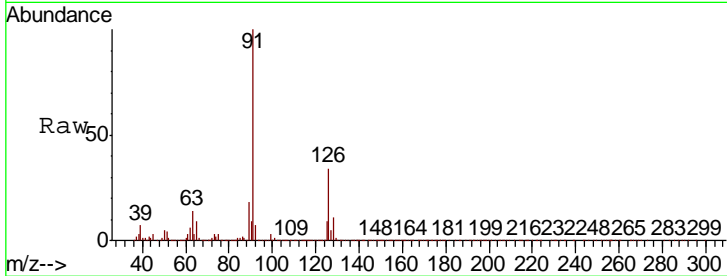
#79
 2-Chlorotoluene
 Concen: 20.172 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	367875	100	
126	34.4	17.2	51.6

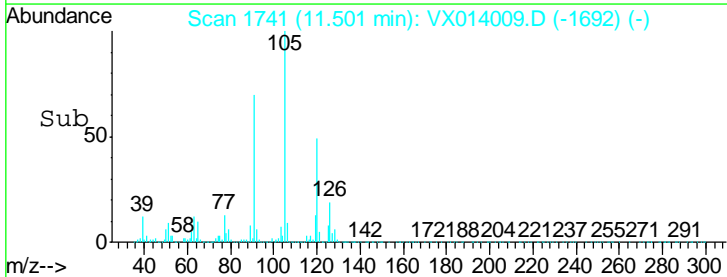
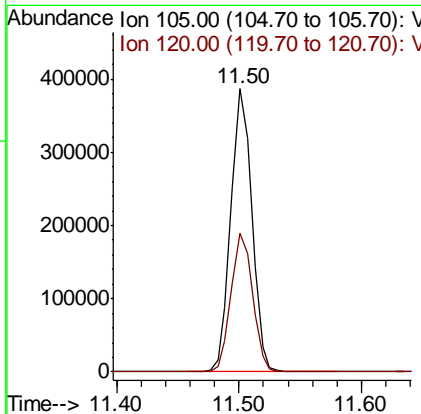
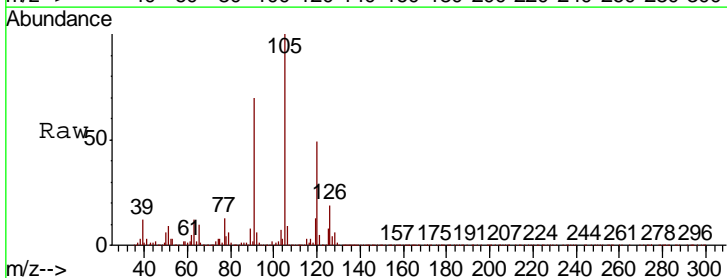
Manual Integrations
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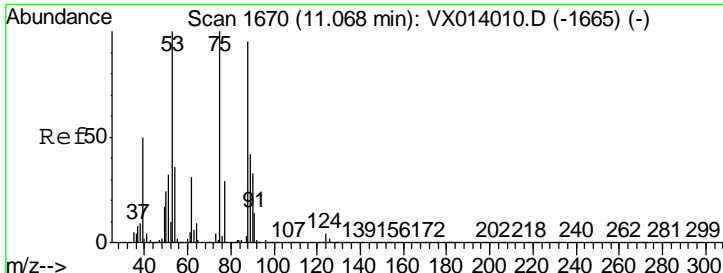
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.527 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
105	457399	100	
120	50.1	25.3	75.8





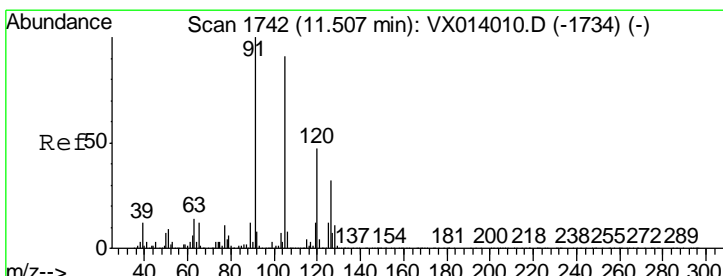
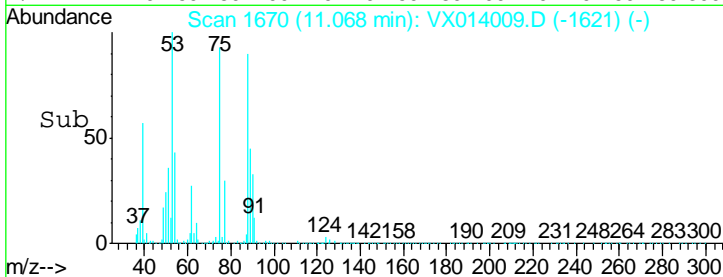
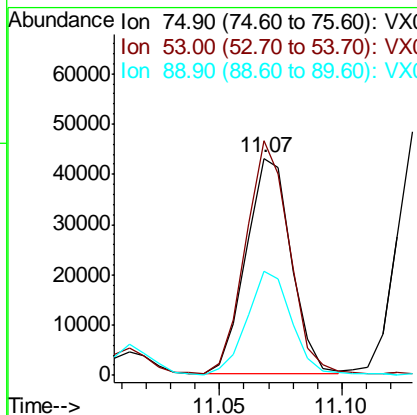
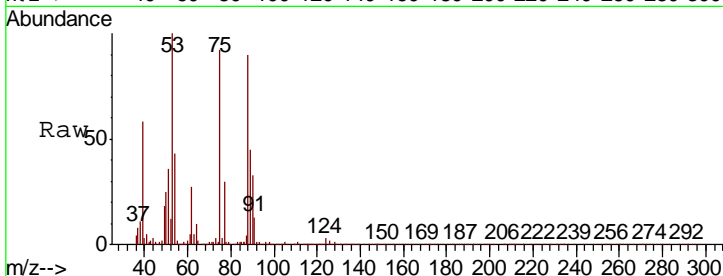
#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.623 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	55573		
75	100		
53	103.7	76.7	115.1
89	48.3	34.6	51.8

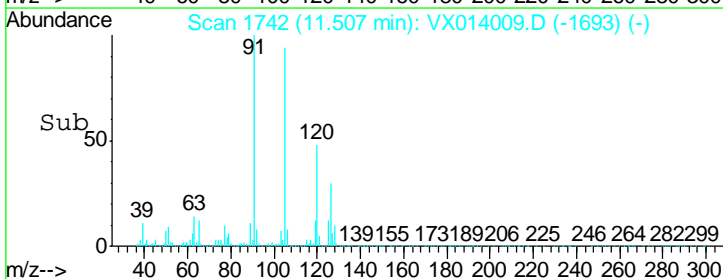
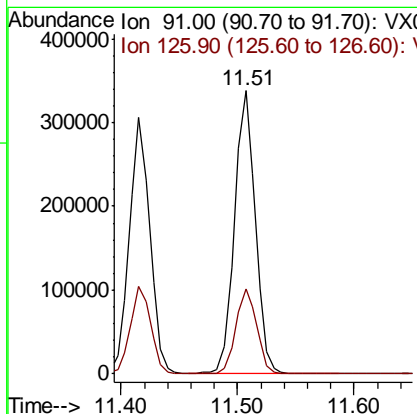
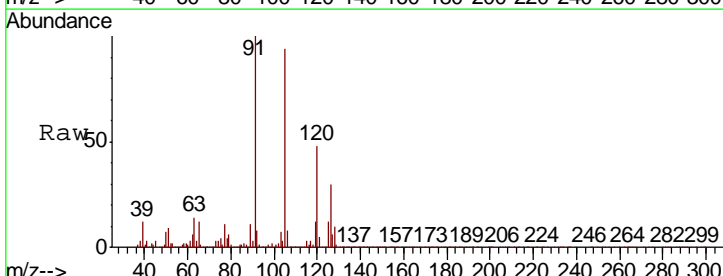
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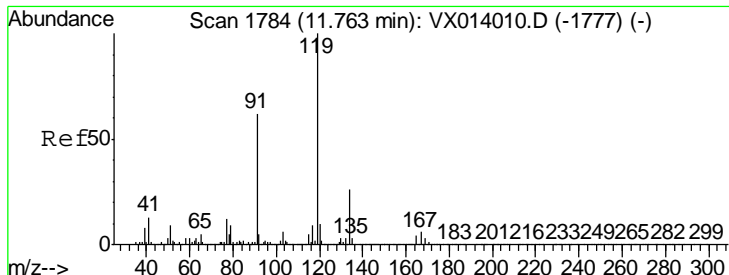
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#82
 4-Chlorotoluene
 Concen: 19.957 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
91	420244		
91	100		
126	30.4	15.6	46.8





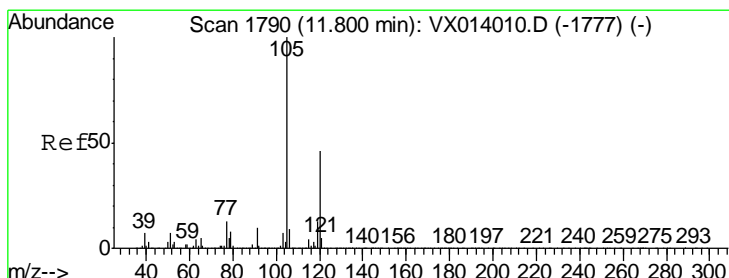
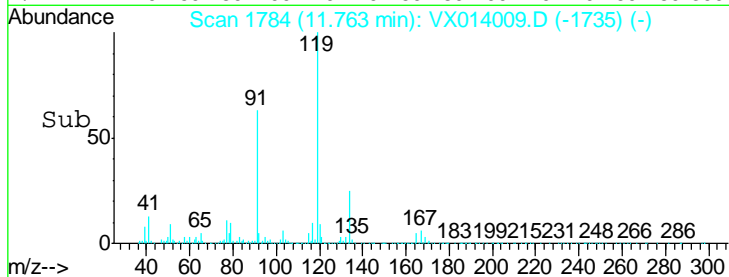
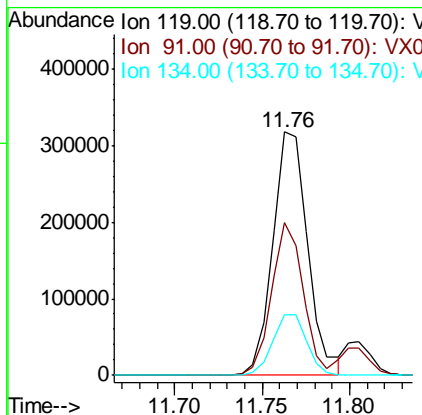
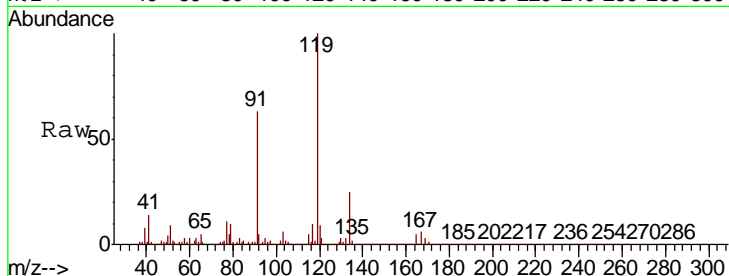
#83
 tert-Butylbenzene
 Concen: 19.713 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
119	442556		
91	56.4	28.5	85.6
134	24.3	12.2	36.6

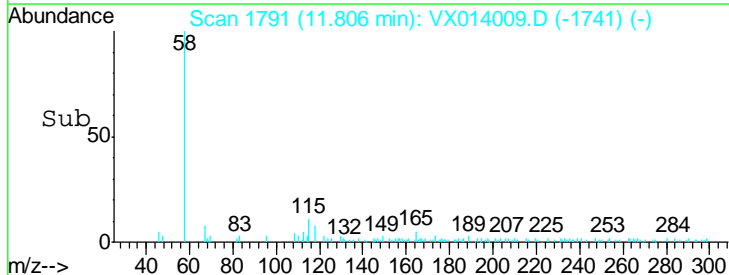
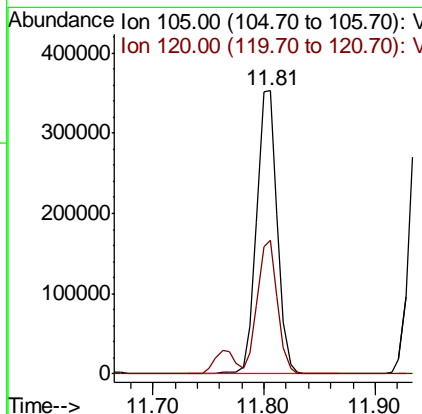
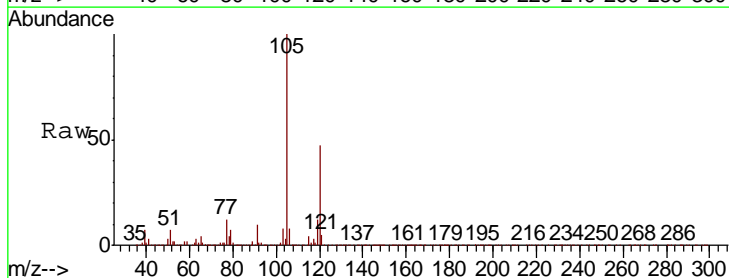
Manual Integrations
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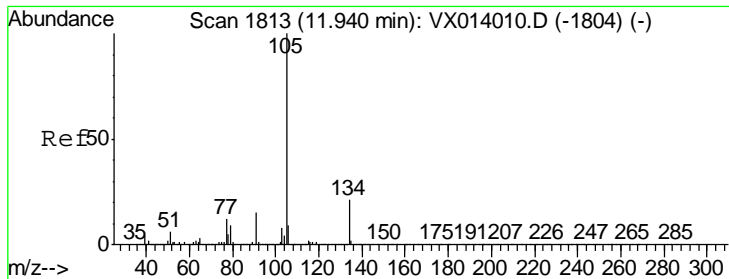
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.233 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
105	457262		
120	46.0	23.1	69.2





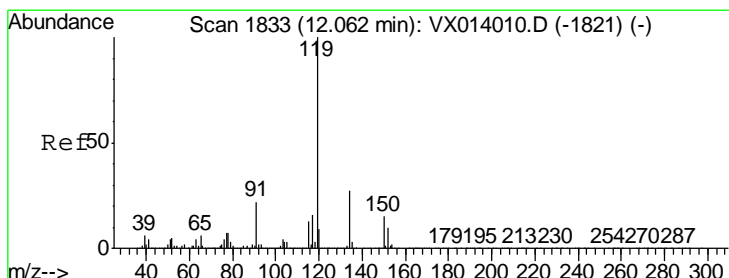
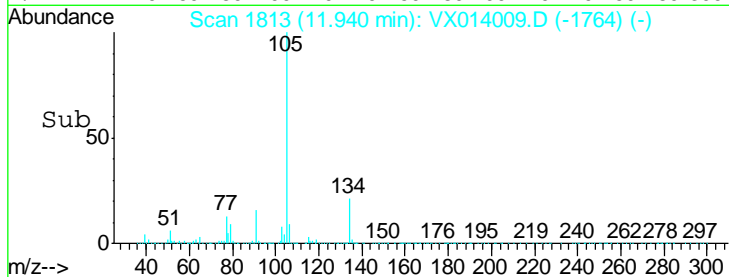
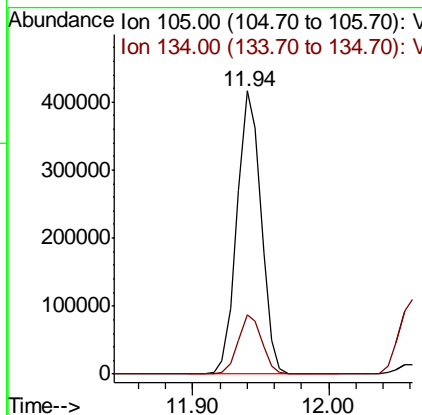
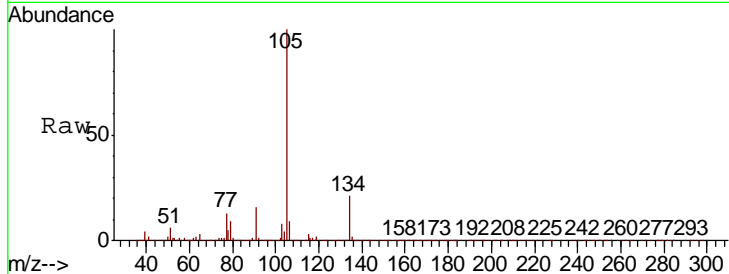
#85
 sec-Butylbenzene
 Concen: 19.872 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	513400		
134	20.7	10.4	31.1

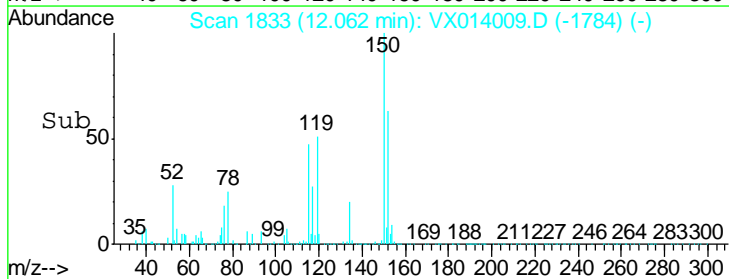
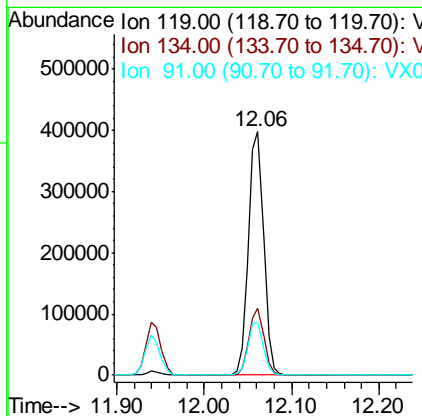
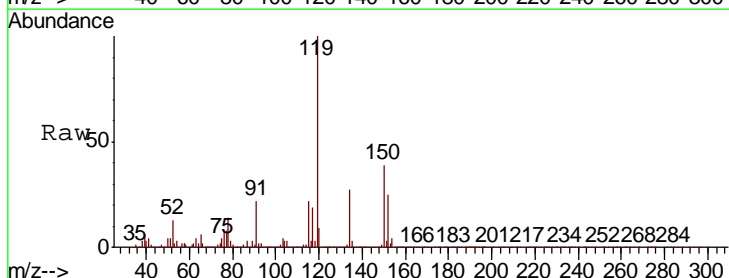
Manual Integrations
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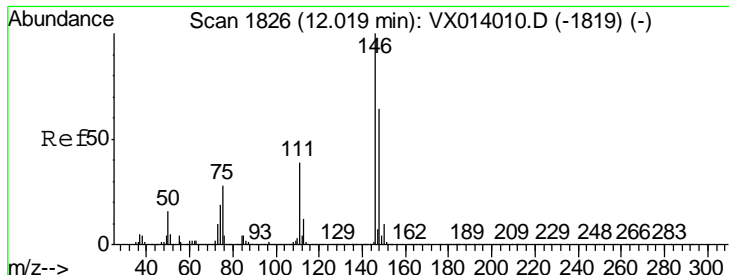
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#86
 p-Isopropyltoluene
 Concen: 19.806 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
119	475332		
134	26.8	13.4	40.1
91	22.0	11.4	34.1





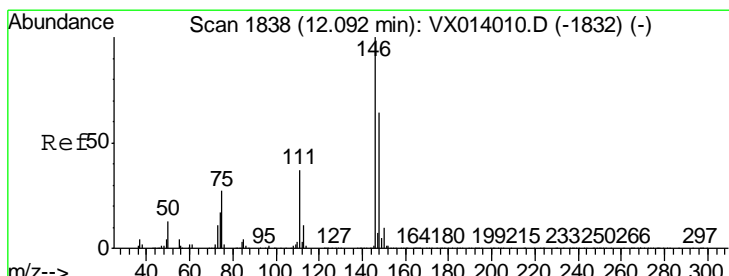
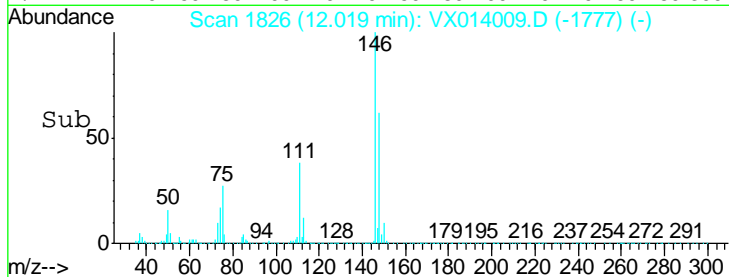
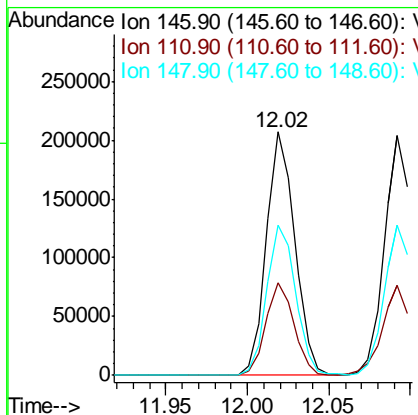
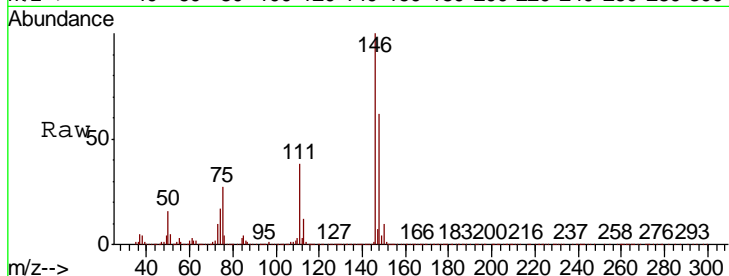
#87
 1,3-Dichlorobenzene
 Concen: 19.556 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	62.5	32.3	96.9

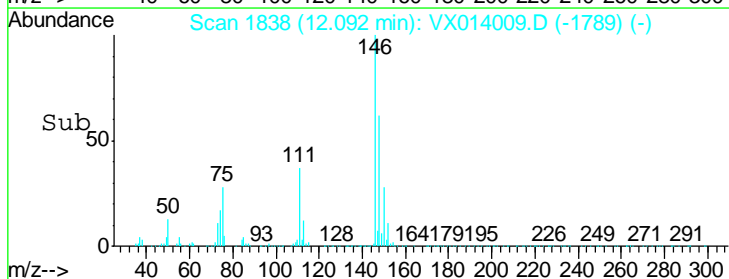
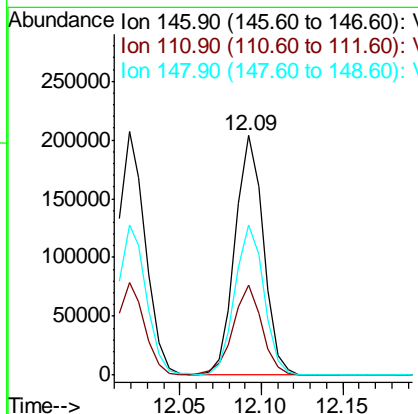
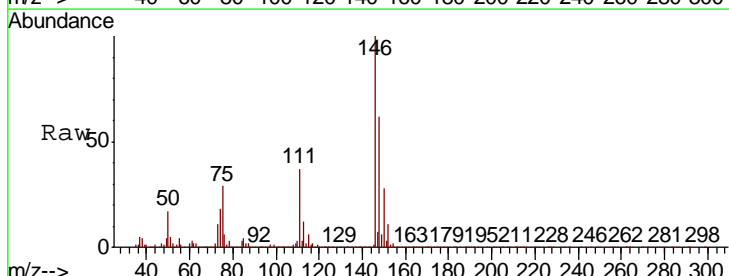
Manual Integrations
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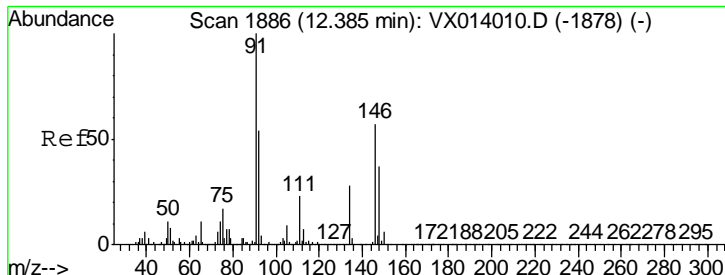
apatel
 12/16/2019 12:46:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.953 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	63.7	31.9	95.9





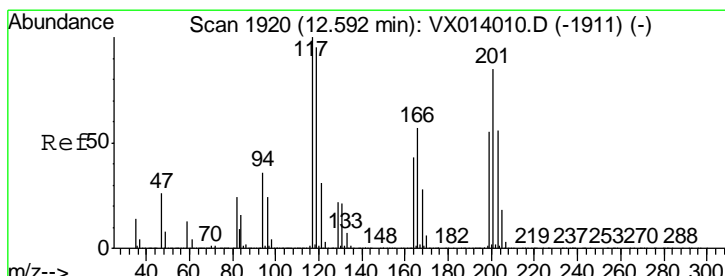
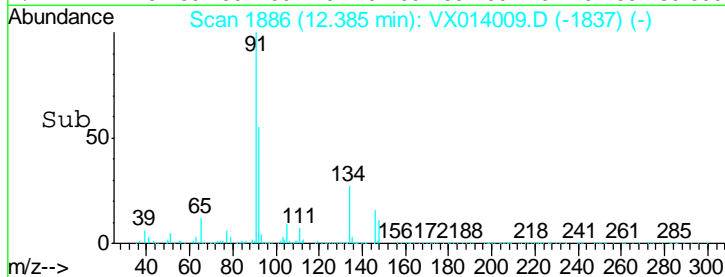
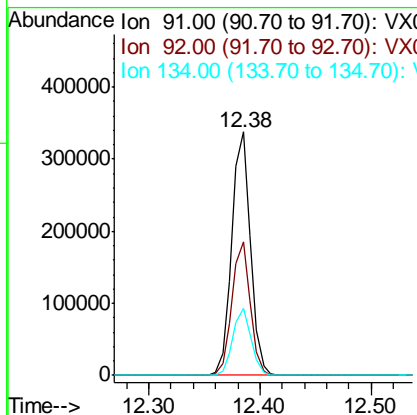
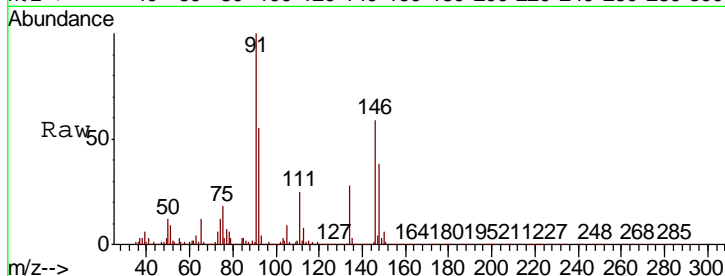
#89
 n-Butylbenzene
 Concen: 19.038 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	390195		
91	100		
92	54.0	27.2	81.6
134	27.1	13.4	40.1

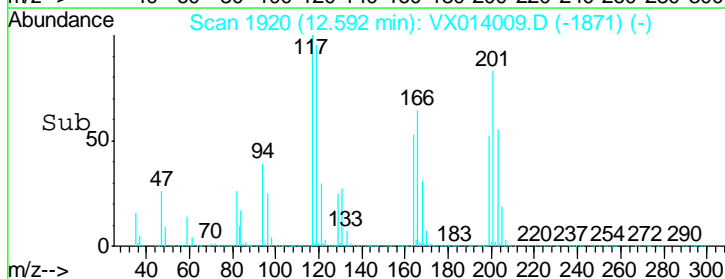
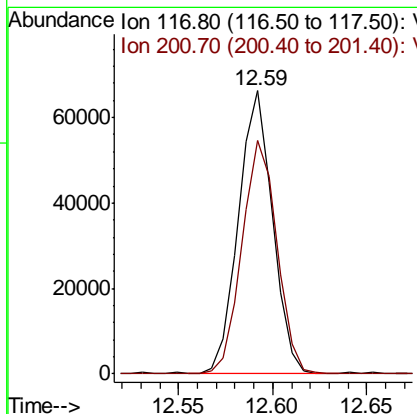
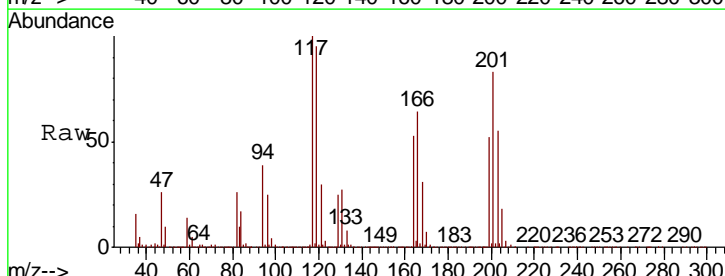
Manual Integrations
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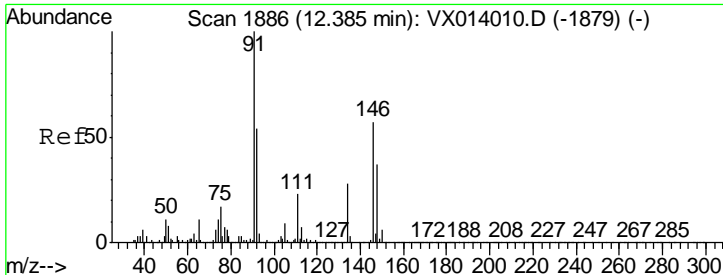
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#90
 Hexachloroethane
 Concen: 19.051 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
117	82875		
117	100		
201	85.0	43.1	129.3



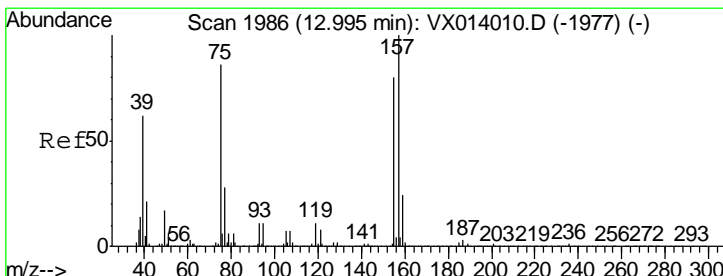
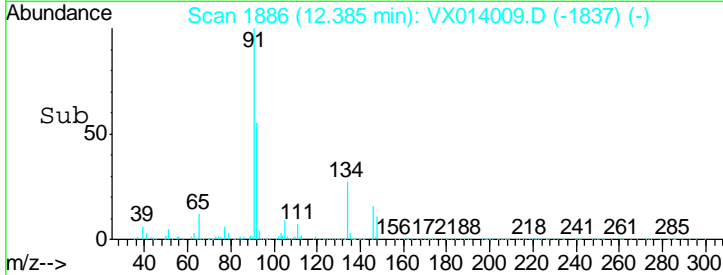
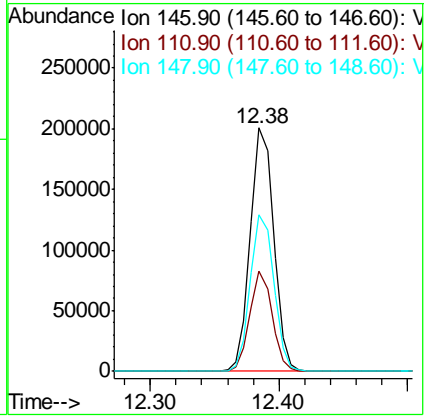
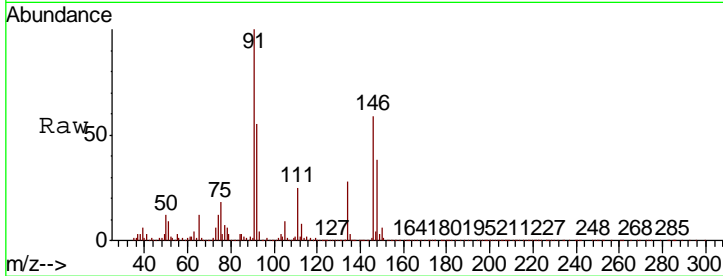


#91
 1,2-Dichlorobenzene
 Concen: 19.914 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

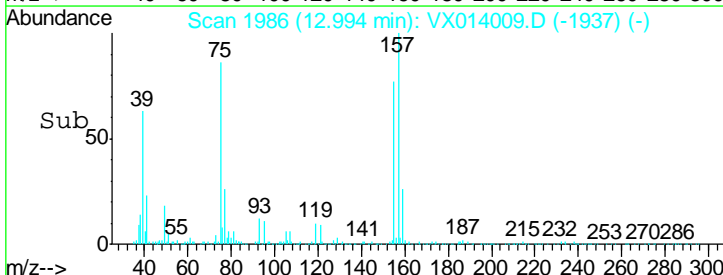
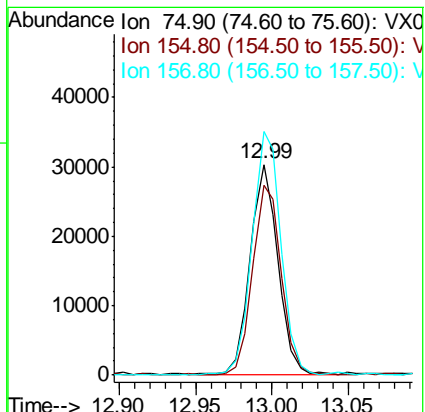
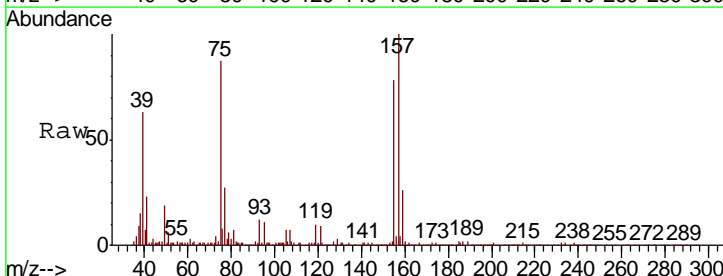
Tgt Ion	Resp	Lower	Upper
146	251890		
146	100		
111	39.3	19.7	59.1
148	65.0	32.1	96.5

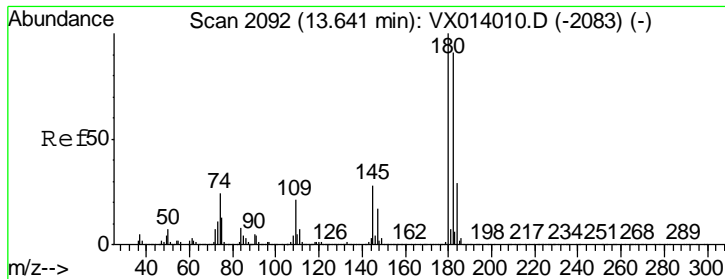
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.769 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
75	37989		
75	100		
155	93.4	46.9	140.6
157	121.4	60.8	182.4





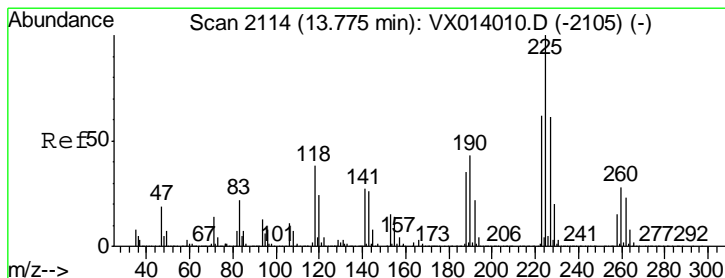
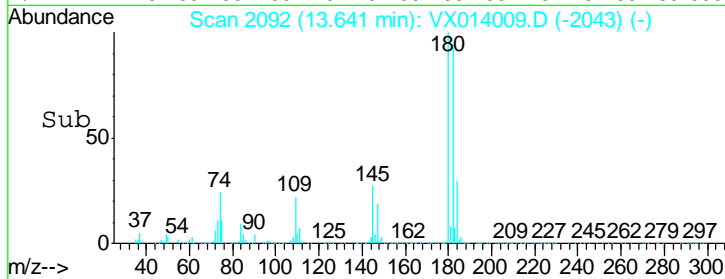
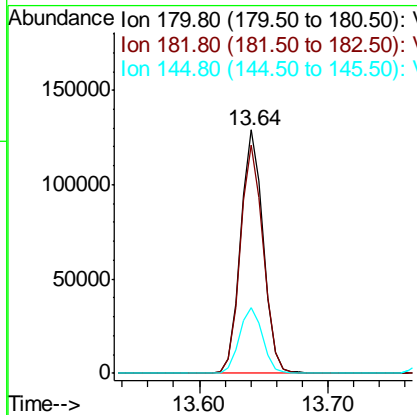
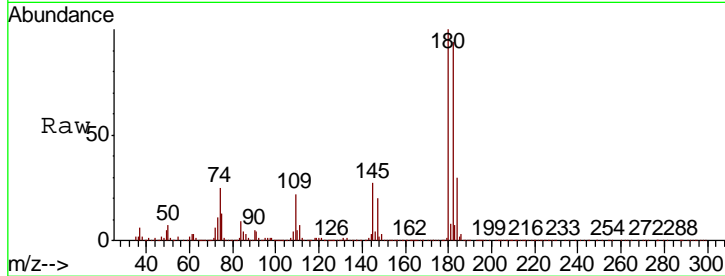
#93
 1,2,4-Trichlorobenzene
 Concen: 17.900 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	156382		
180	100		
182	95.0	46.6	139.8
145	27.7	14.2	42.6

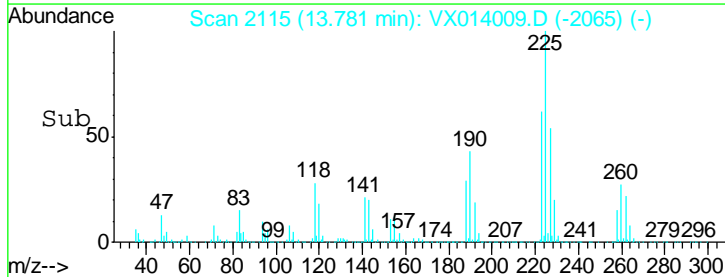
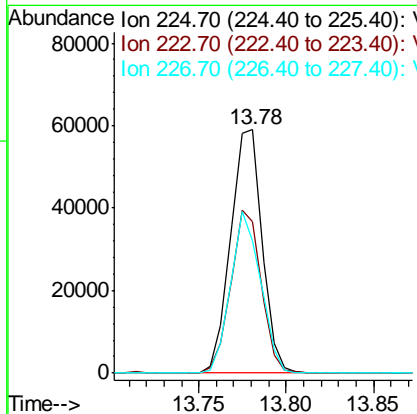
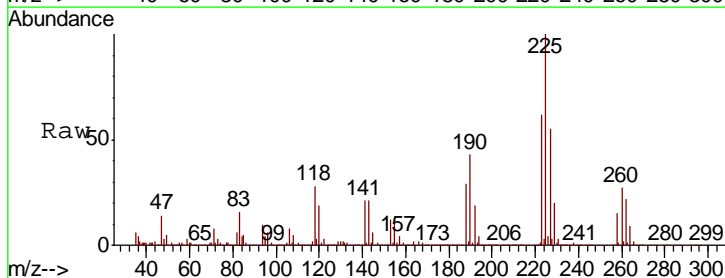
Manual Integrations
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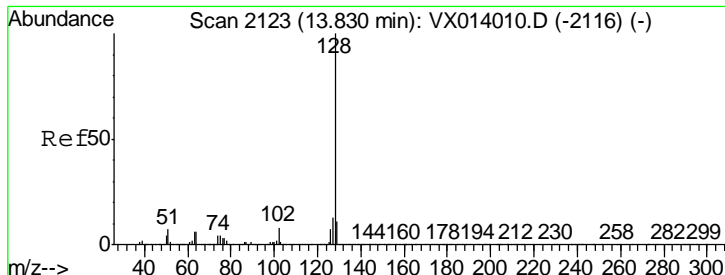
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#94
 Hexachlorobutadiene
 Concen: 17.583 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
225	74336		
225	100		
223	64.5	30.9	92.5
227	63.3	30.9	92.7





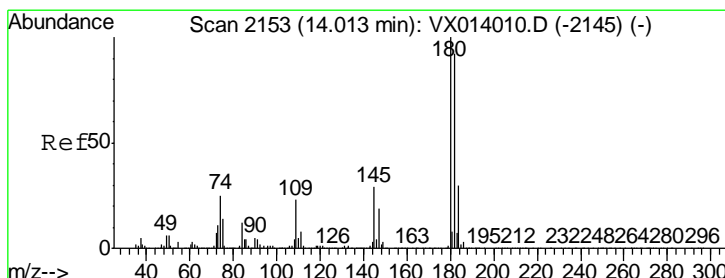
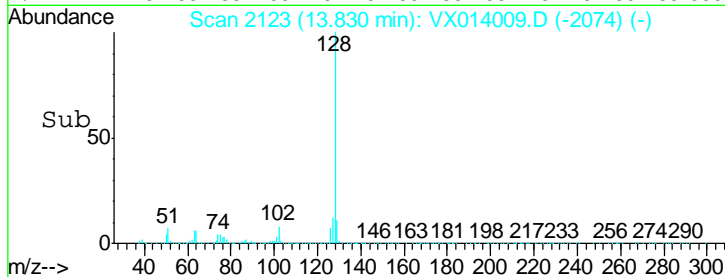
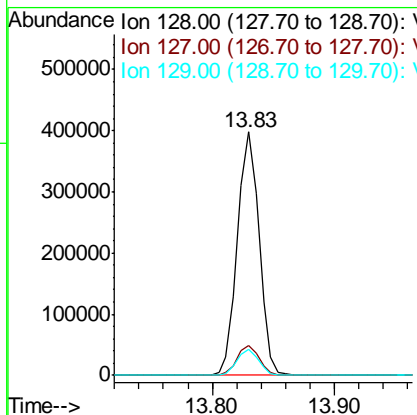
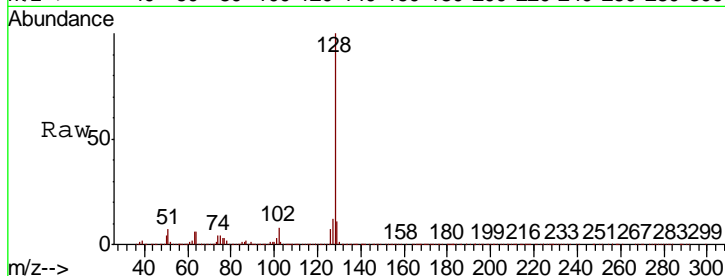
#95
 Naphthalene
 Concen: 18.715 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Instrument : MSVOA_X
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
128	485683		
127	12.4	10.2	15.4
129	10.5	8.7	13.1

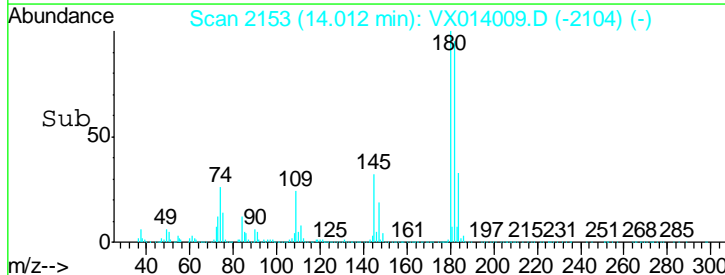
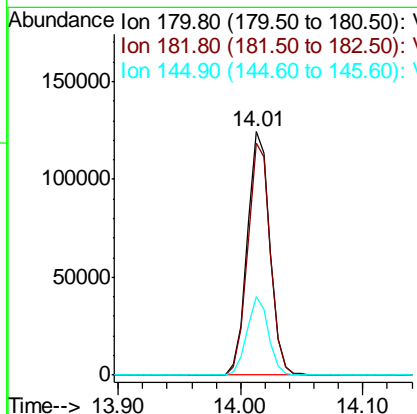
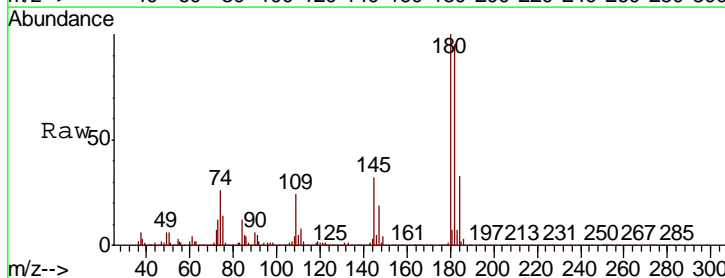
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#96
 1,2,3-Trichlorobenzene
 Concen: 18.389 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX014009.D
 Acq: 13 Dec 2019 15:36

Tgt Ion	Resp	Lower	Upper
180	159787		
182	94.7	46.8	140.3
145	30.5	14.8	44.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014010.D
 Acq On : 13 Dec 2019 15:59
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDICCC050

Manual Integrations
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 12/16/2019 12:46:03 PM

Quant Time: Dec 13 17:00:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	566691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	864628	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	786472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	400387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	313851	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
35) Dibromofluoromethane	5.49	113	260151	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	8.71	98	1029611	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.14	95	375236	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	244238	40.315	ug/l	100
3) Chloromethane	1.32	50	330425	47.129	ug/l	100
4) Vinyl Chloride	1.40	62	341548	44.042	ug/l	100
5) Bromomethane	1.63	94	234717	44.240	ug/l	100
6) Chloroethane	1.70	64	211100	46.688	ug/l	100
7) Trichlorofluoromethane	1.92	101	426800	48.087	ug/l	100
8) Diethyl Ether	2.18	74	195761	48.800	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	254371	47.119	ug/l	100
10) Methyl Iodide	2.50	142	347098	52.941	ug/l	100
11) Tert butyl alcohol	3.05	59	317160	200.953	ug/l	100
12) 1,1-Dichloroethene	2.36	96	259152	48.137	ug/l	100
13) Acrolein	2.28	56	182788	196.732	ug/l	100
14) Allyl chloride	2.72	41	472650	48.418	ug/l	100
15) Acrylonitrile	3.13	53	772030	232.621	ug/l	100
16) Acetone	2.44	43	1037924	304.310	ug/l	100
17) Carbon Disulfide	2.56	76	731294	47.552	ug/l	100
18) Methyl Acetate	2.76	43	390978	44.322	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	875400	48.988	ug/l	100
20) Methylene Chloride	2.85	84	296619	47.427	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	281142	47.848	ug/l	100
22) Diisopropyl ether	3.84	45	941592	49.853	ug/l	100
23) Vinyl Acetate	3.80	43	3916863	249.782	ug/l	100
24) 1,1-Dichloroethane	3.69	63	509180	49.319	ug/l	100
25) 2-Butanone	4.66	43	1274783	261.894	ug/l	100
26) 2,2-Dichloropropane	4.58	77	407247	47.869	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	322146	47.773	ug/l	100
28) Bromochloromethane	5.00	49	210039	57.627	ug/l	100
29) Tetrahydrofuran	5.12	42	692327	235.957	ug/l	100
30) Chloroform	5.20	83	497443	47.603	ug/l	100
31) Cyclohexane	5.57	56	475700	48.739	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	420962	48.233	ug/l	100
36) 1,1-Dichloropropene	5.79	75	381362	48.555	ug/l	100
37) Ethyl Acetate	4.82	43	434370	49.574	ug/l	100
38) Carbon Tetrachloride	5.78	117	361490	49.898	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121319\
 Data File : VX014010.D
 Acq On : 13 Dec 2019 15:59
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Manual Integrations
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 12/16/2019 12:46:03 PM

Quant Time: Dec 13 17:00:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	473812	48.720	ug/l	100
40) Benzene	6.13	78	1169987	48.807	ug/l	100
41) Methacrylonitrile	5.03	41	233512	48.825	ug/l	100
42) 1,2-Dichloroethane	6.18	62	397061	48.642	ug/l	100
43) Isopropyl Acetate	6.43	43	708801	48.974	ug/l	100
44) Trichloroethene	7.21	130	313311	47.797	ug/l	100
45) 1,2-Dichloropropane	7.51	63	301248	50.134	ug/l	100
46) Dibromomethane	7.65	93	194943	47.935	ug/l	100
47) Bromodichloromethane	7.89	83	384152	49.981	ug/l	100
48) Methyl methacrylate	7.76	41	351009	50.026	ug/l	100
49) 1,4-Dioxane	7.73	88	136097	880.664	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	2227056	245.062	ug/l	100
52) Toluene	8.78	92	741464	49.725	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	438995	50.210	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	485569	50.785	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	297972	49.651	ug/l	100
56) Ethyl methacrylate	9.17	69	492518	50.962	ug/l	100
57) 1,3-Dichloropropane	9.37	76	508519	49.101	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	956017	252.345	ug/l	100
59) 2-Hexanone	9.49	43	1842268	257.616	ug/l	100
60) Dibromochloromethane	9.58	129	312526	50.359	ug/l	100
61) 1,2-Dibromoethane	9.67	107	312389	48.800	ug/l	100
64) Tetrachloroethene	9.33	164	333249	54.910	ug/l	100
65) Chlorobenzene	10.14	112	798960	48.656	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	292635	49.771	ug/l	100
67) Ethyl Benzene	10.25	91	1422545	50.472	ug/l	100
68) m/p-Xylenes	10.35	106	1084101	100.328	ug/l	100
69) o-Xylene	10.70	106	531881	50.474	ug/l	100
70) Styrene	10.71	104	921756	51.850	ug/l	100
71) Bromoform	10.85	173	244020	50.316	ug/l	100
73) Isopropylbenzene	11.01	105	1389605	49.413	ug/l	100
74) N-amyl acetate	10.89	43	663341	51.492	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	478051	49.097	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	439820m	49.048	ug/l	
77) Bromobenzene	11.25	156	361064	47.633	ug/l	100
78) n-propylbenzene	11.35	91	1586913	50.464	ug/l	100
79) 2-Chlorotoluene	11.42	91	944929	49.949	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1172097	50.706	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	160555	49.082	ug/l	100
82) 4-Chlorotoluene	11.51	91	1076188	49.267	ug/l	100
83) tert-Butylbenzene	11.76	119	1123694	48.252	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1177071	50.210	ug/l	100
85) sec-Butylbenzene	11.94	105	1348388	50.312	ug/l	100
86) p-Isopropyltoluene	12.06	119	1241776	49.880	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	641266	48.436	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	638601	47.289	ug/l	100
89) n-Butylbenzene	12.38	91	1079551	50.778	ug/l	100
90) Hexachloroethane	12.59	117	224173	49.677	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	651551	49.657	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	100882	48.047	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014010.D
 Acq On : 13 Dec 2019 15:59
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 12/16/2019 12:46:03 PM

Quant Time: Dec 13 17:00:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	430836	47.539	ug/l	100
94) Hexachlorobutadiene	13.77	225	202618	46.201	ug/l	100
95) Naphthalene	13.83	128	1328512	49.348	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	435421	48.307	ug/l	100

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

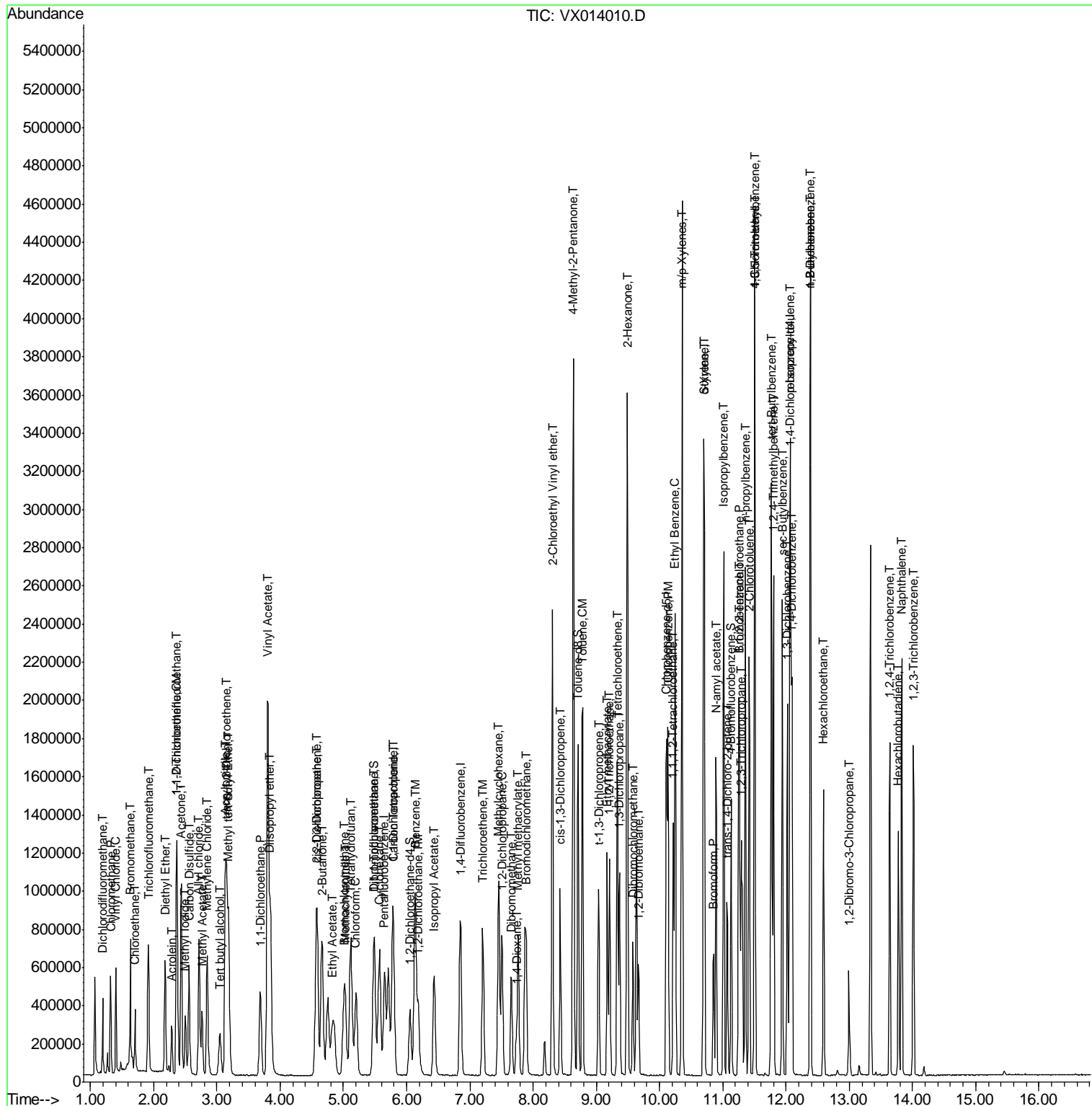
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014010.D
 Acq On : 13 Dec 2019 15:59
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDICCC050

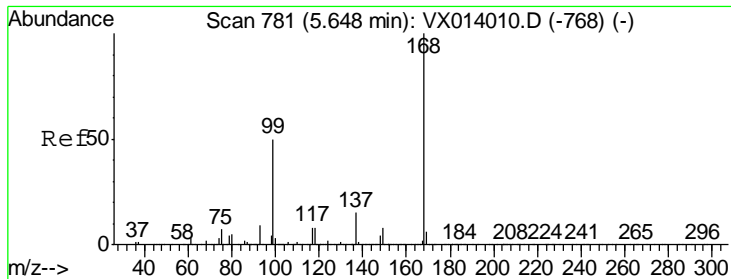
Manual Integrations
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Quant Time: Dec 13 17:00:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration



- 1
- 2
- 3
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- 8
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- 11
- 12
- 13
- 14
- 15
- 16



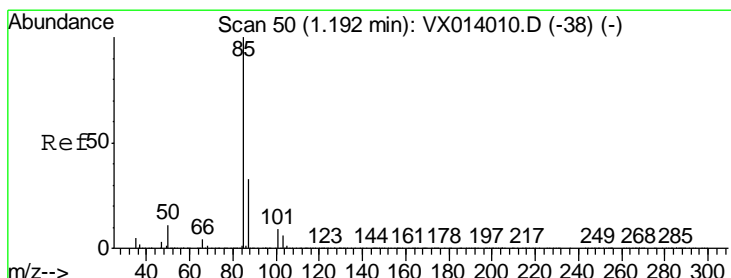
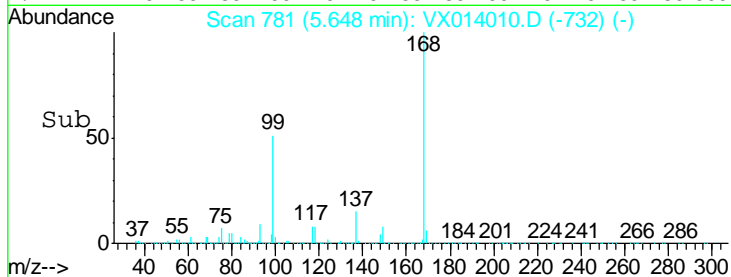
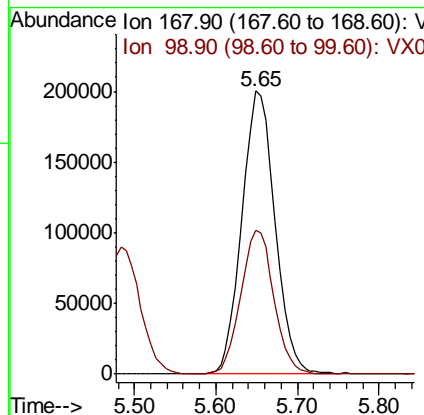
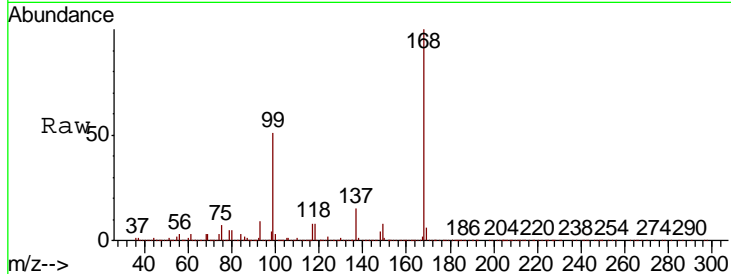
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.4	40.3	60.5

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

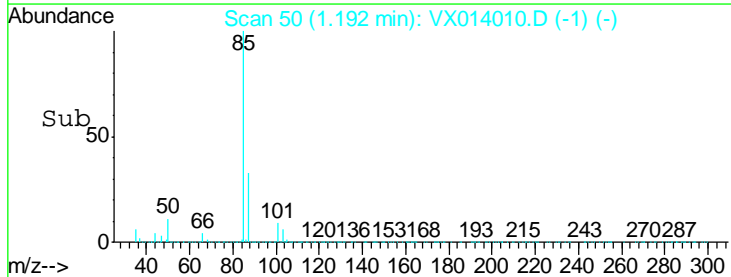
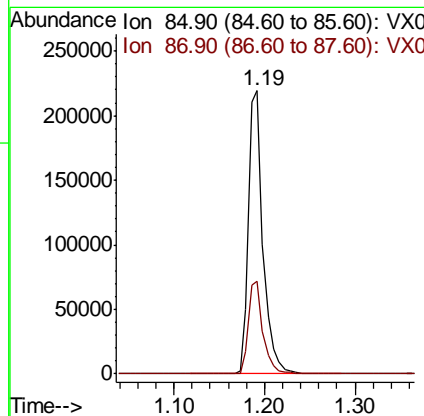
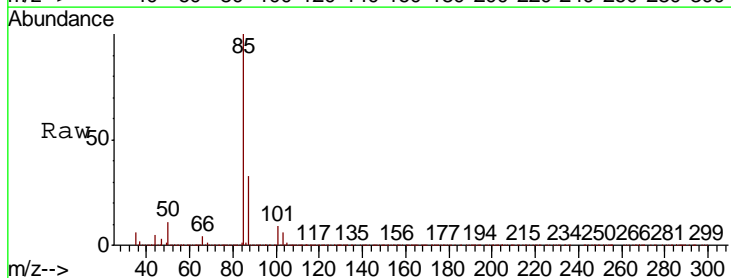
Manual Integrations APPROVED

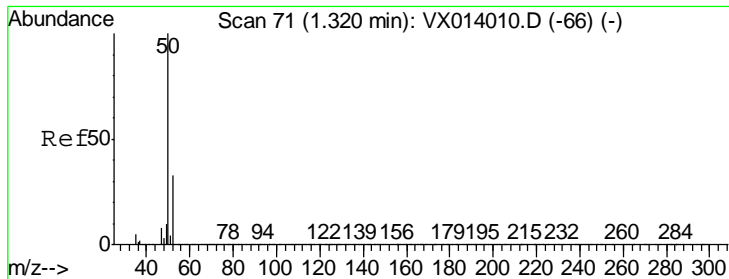
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#2
 Dichlorodifluoromethane
 Concen: 40.315 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.8	16.4	49.2



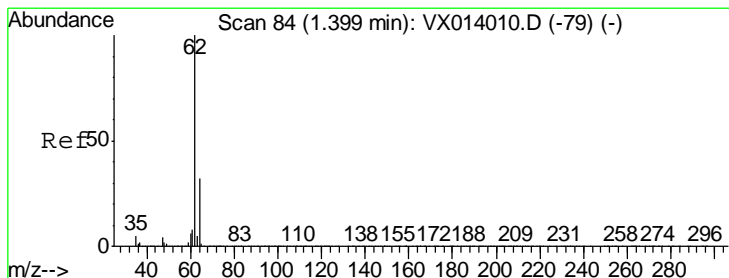
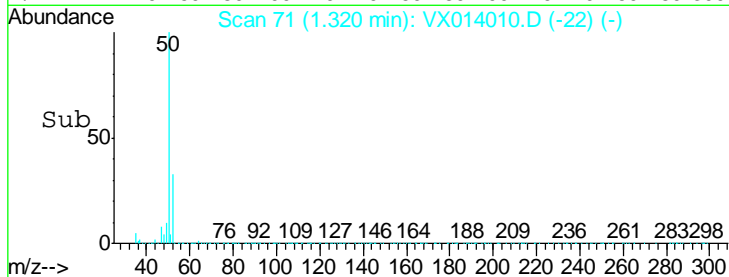
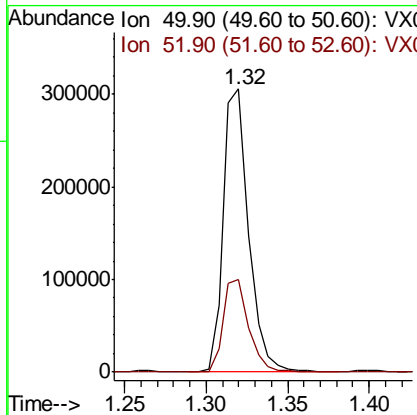
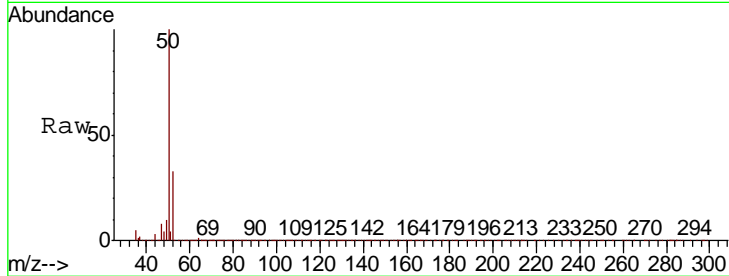


#3
 Chloromethane
 Concen: 47.129 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.8	26.2	39.4

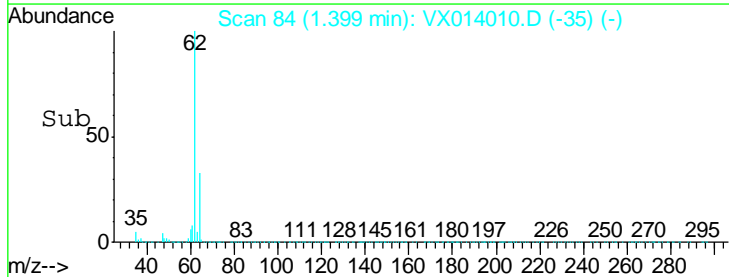
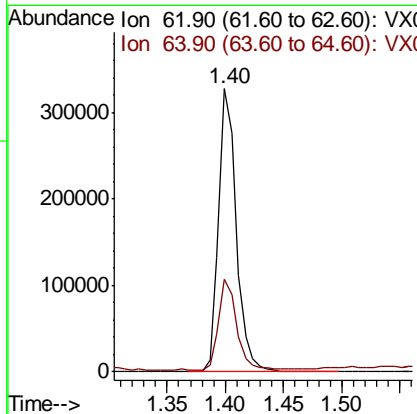
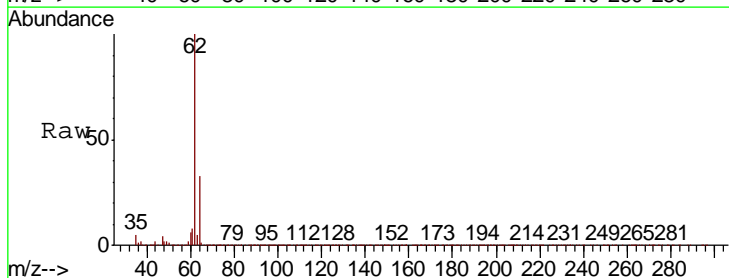
Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

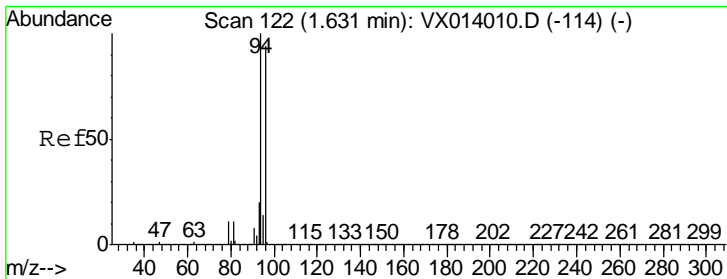
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#4
 Vinyl Chloride
 Concen: 44.042 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.1	25.7	38.5





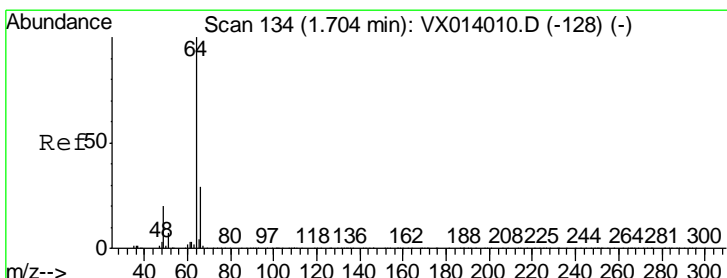
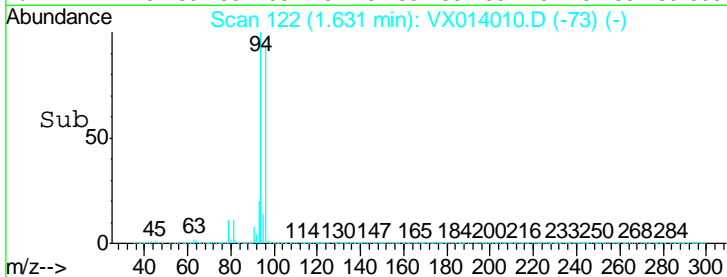
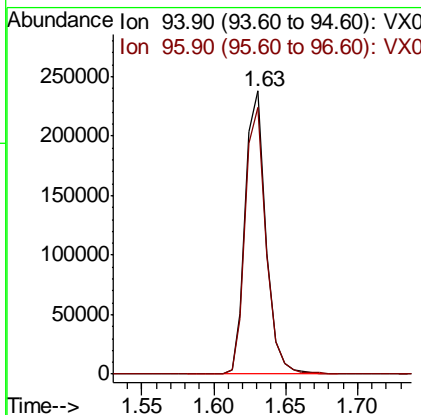
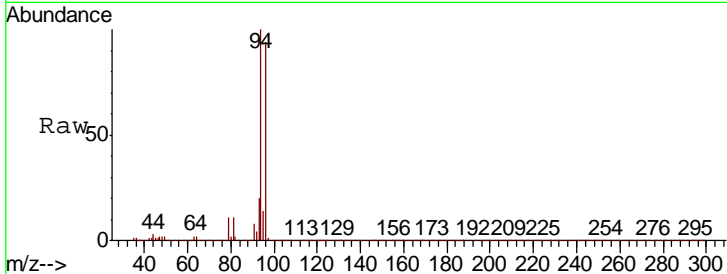
#5
 Bromomethane
 Concen: 44.240 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.0	75.2	112.8

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

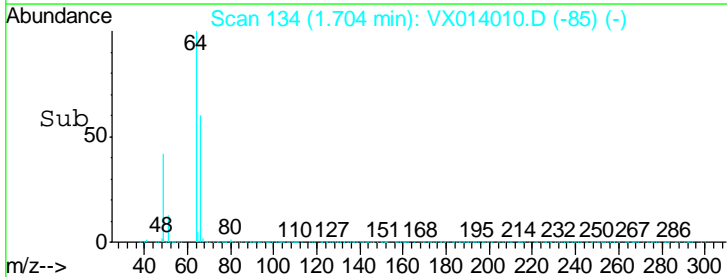
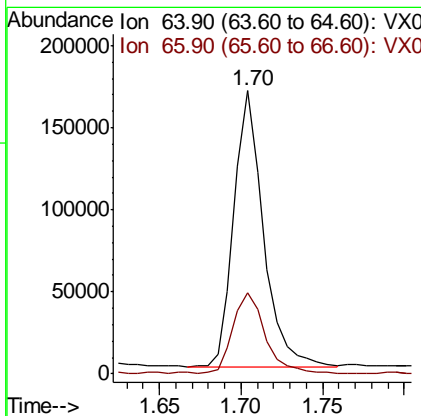
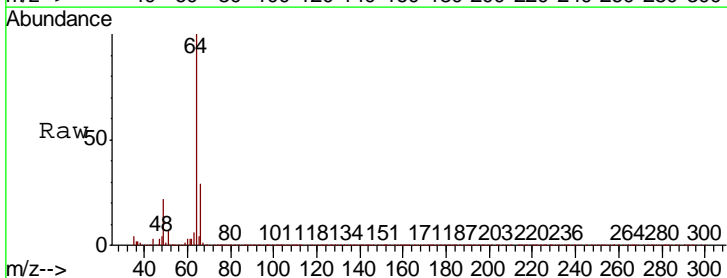
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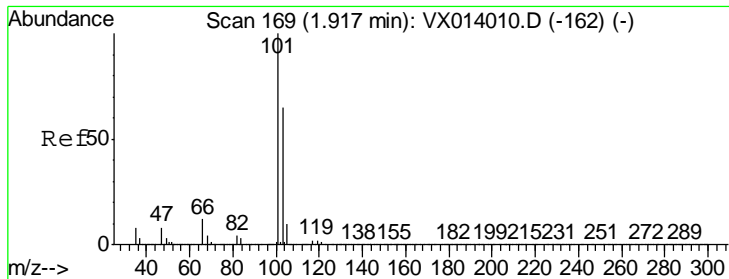
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#6
 Chloroethane
 Concen: 46.688 ug/l
 RT: 1.70 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
64	100		
66	29.3	23.4	35.2





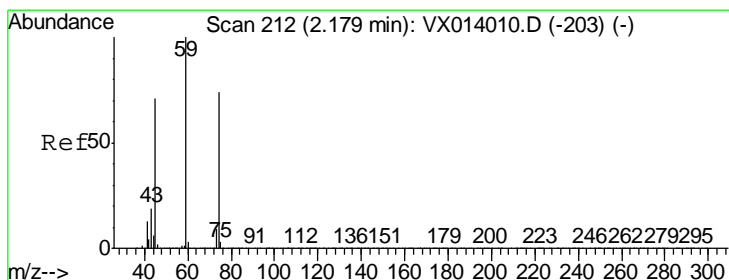
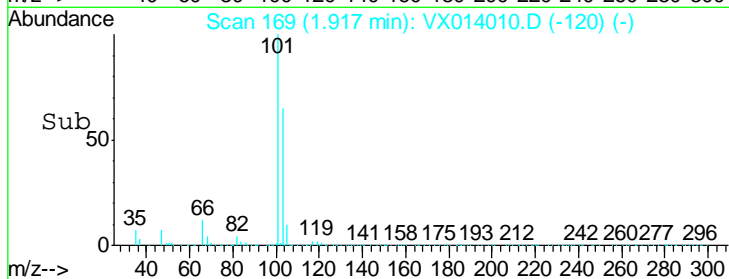
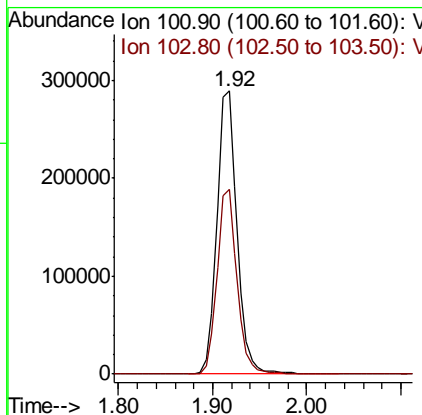
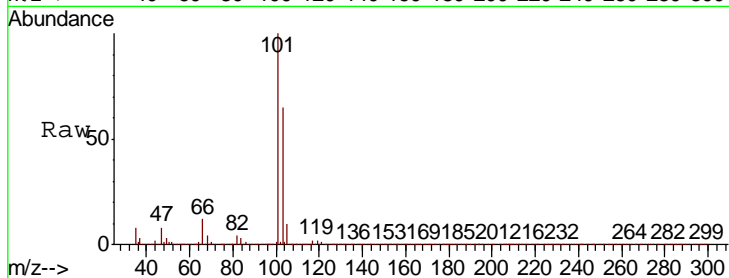
#7
 Trichlorofluoromethane
 Concen: 48.087 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	100		
103	65.3	52.2	78.4

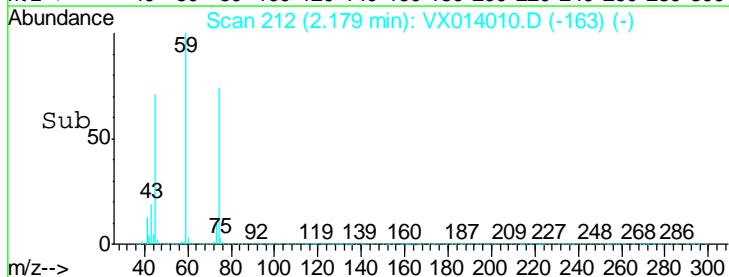
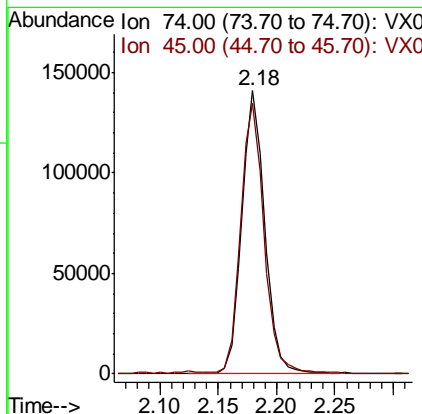
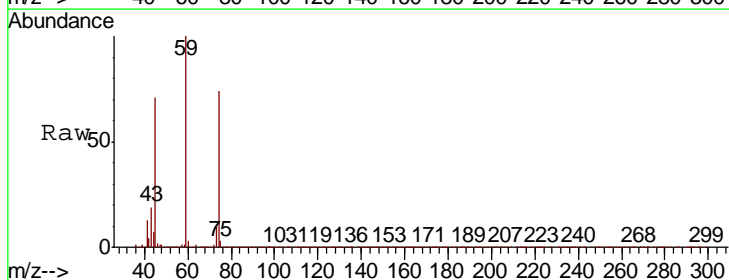
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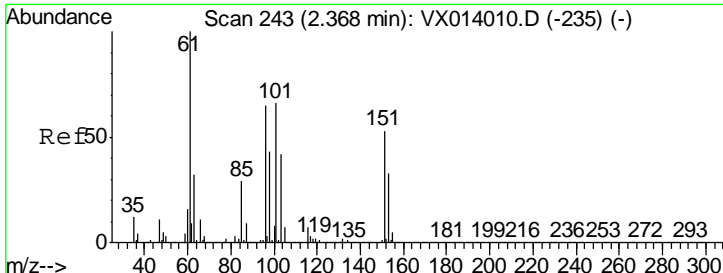
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#8
 Diethyl Ether
 Concen: 48.800 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
74	100		
45	96.2	48.1	144.3





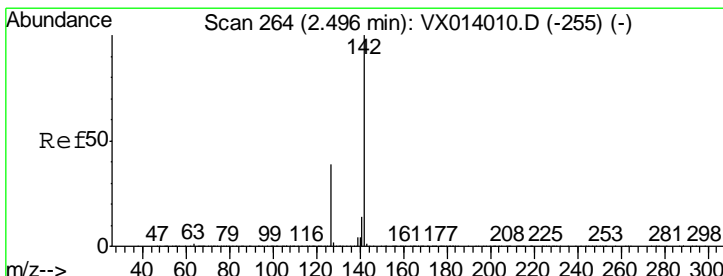
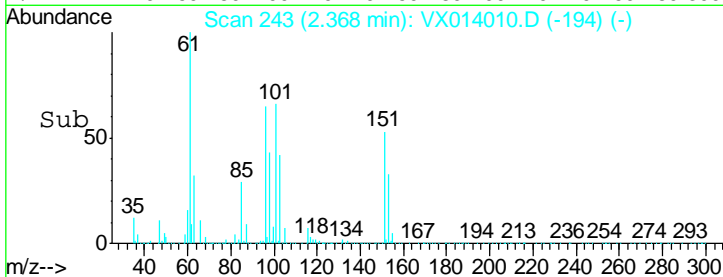
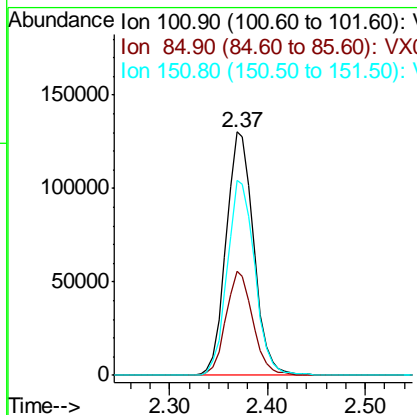
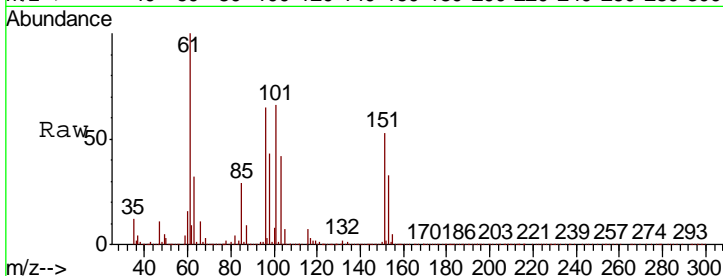
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.119 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	254371		
101	100		
85	42.1	33.7	50.5
151	80.6	64.5	96.7

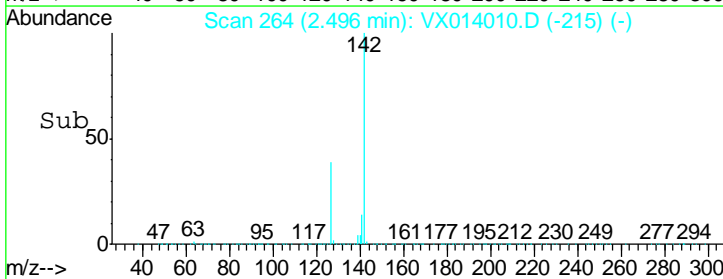
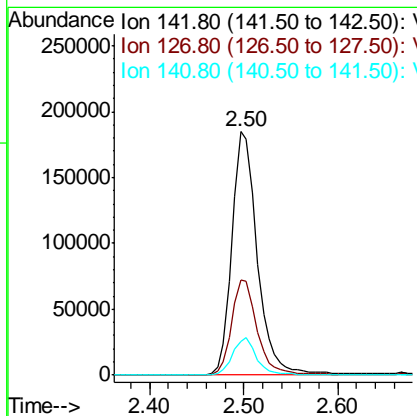
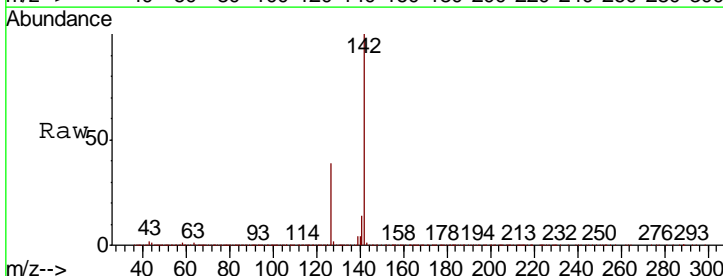
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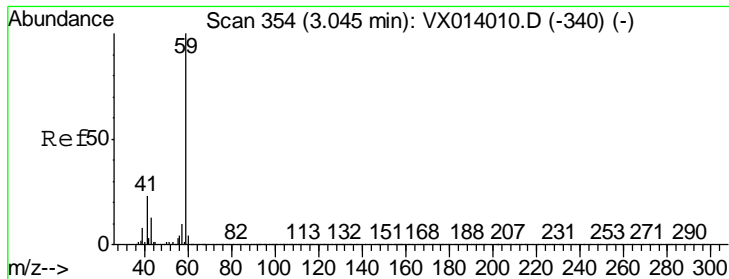
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#10
 Methyl Iodide
 Concen: 52.941 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
142	347098		
142	100		
127	39.5	31.6	47.4
141	14.5	11.6	17.4





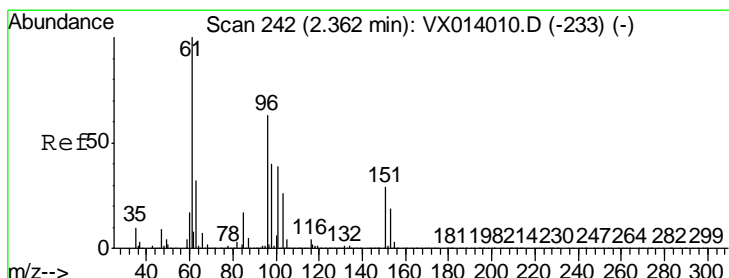
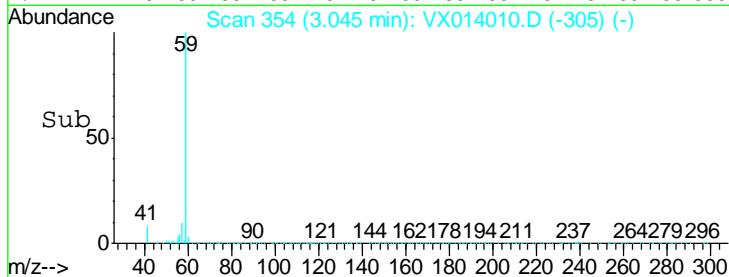
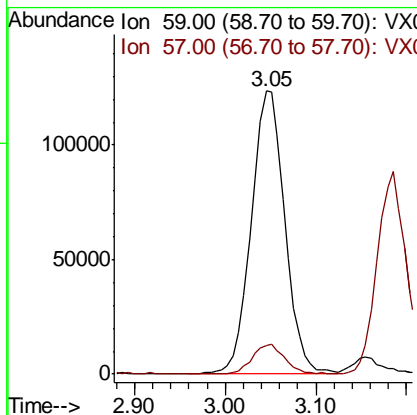
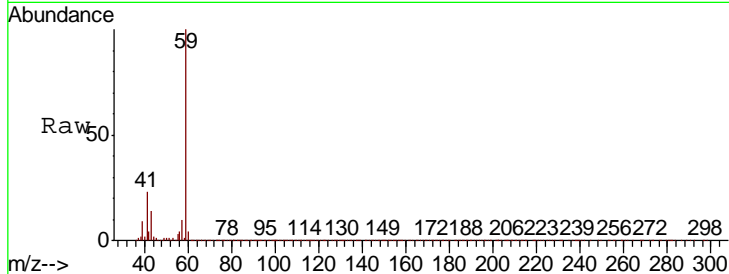
#11
 Tert butyl alcohol
 Concen: 200.953 ug/l
 RT: 3.05 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.5	8.4	12.6

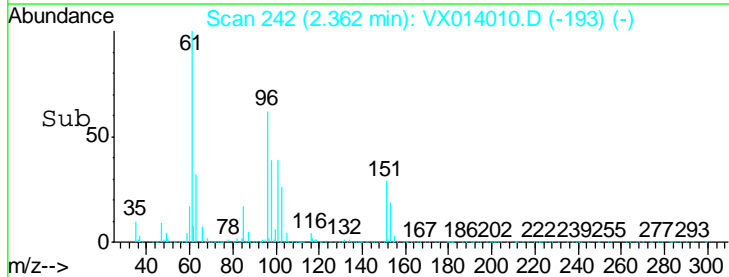
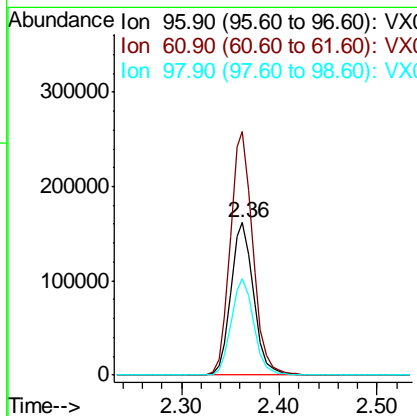
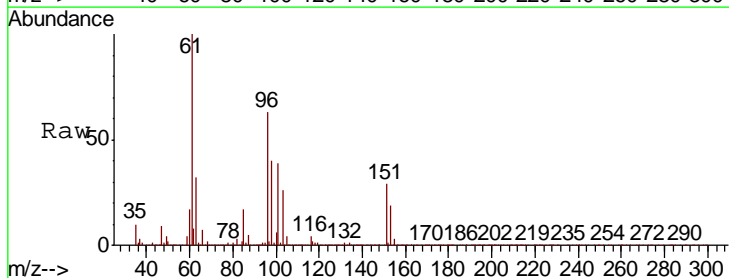
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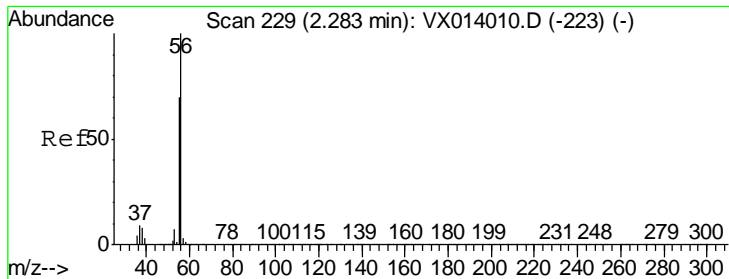
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#12
 1,1-Dichloroethene
 Concen: 48.137 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
96	100		
61	159.9	127.9	191.9
98	63.1	50.5	75.7





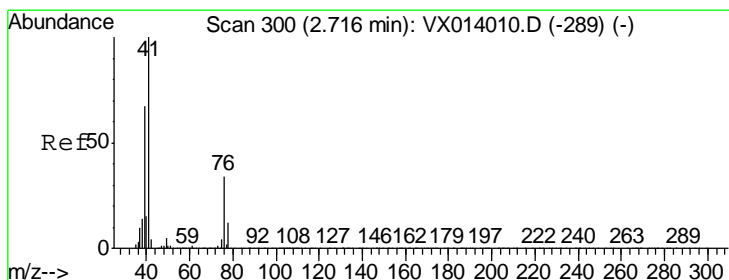
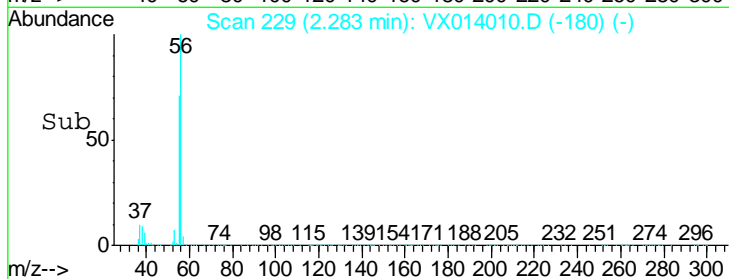
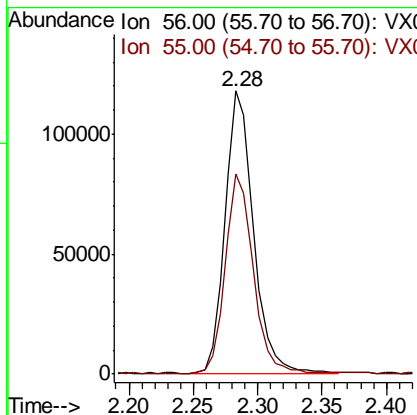
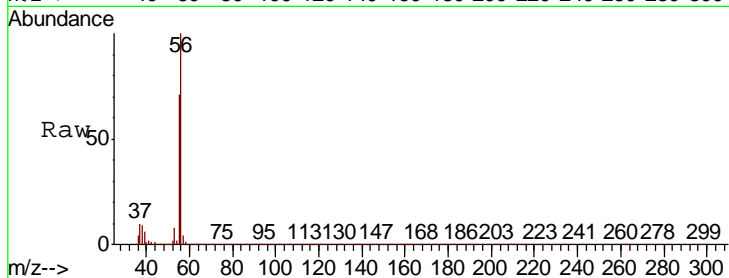
#13
 Acrolein
 Concen: 196.732 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
55	71.1	56.9	85.3

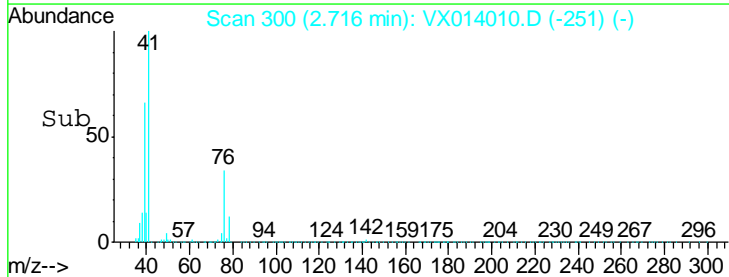
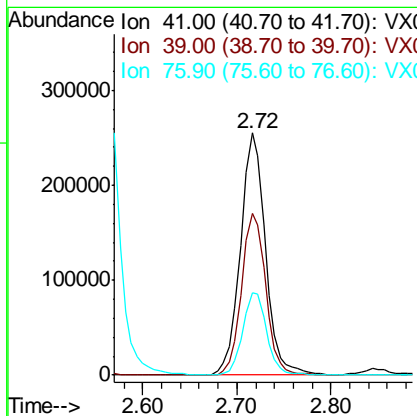
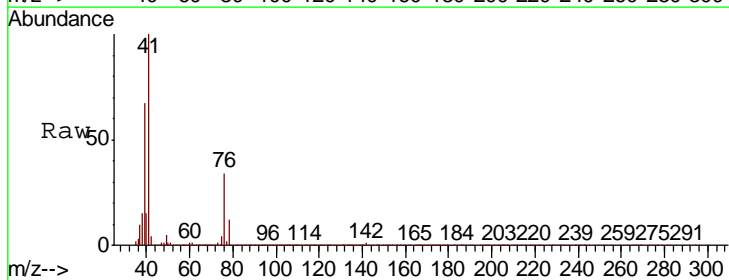
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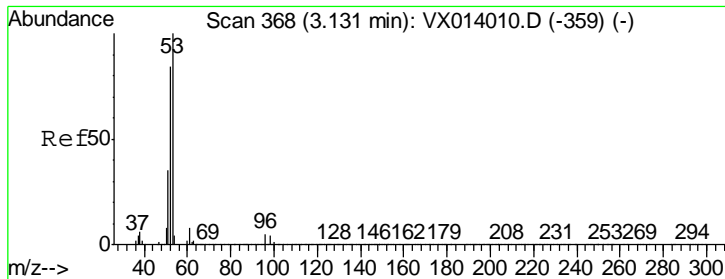
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#14
 Allyl chloride
 Concen: 48.418 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
41	100		
39	64.8	51.8	77.8
76	32.4	25.9	38.9





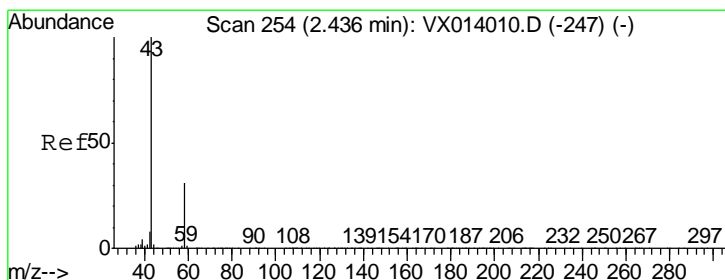
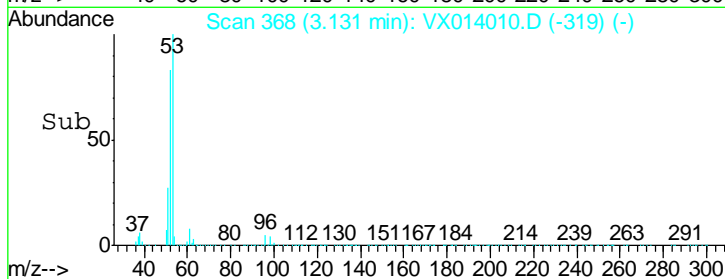
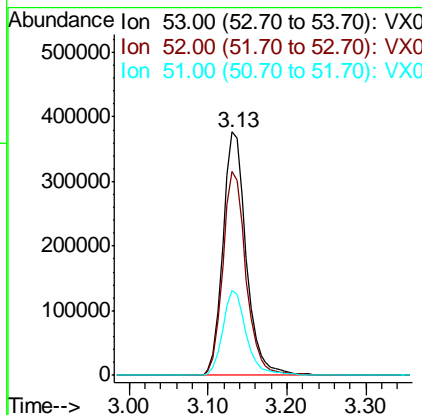
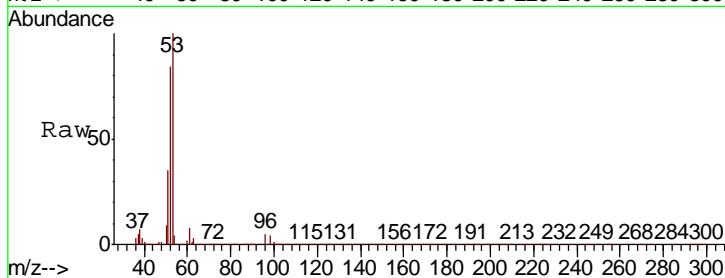
#15
 Acrylonitrile
 Concen: 232.621 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	35.1	28.1	42.1

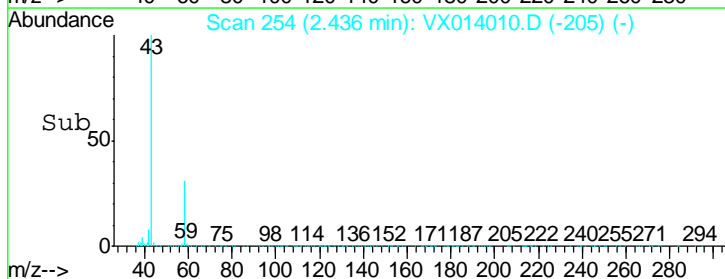
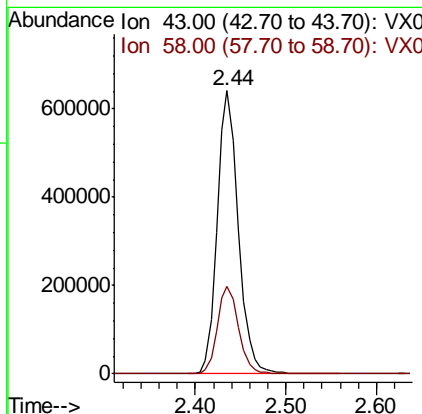
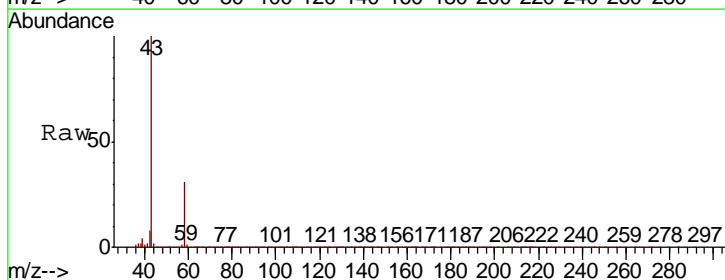
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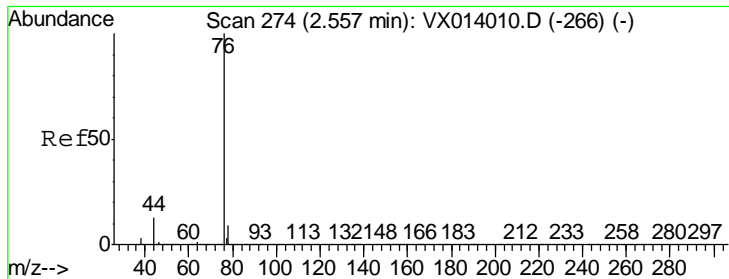
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#16
 Acetone
 Concen: 304.310 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.1	24.9	37.3





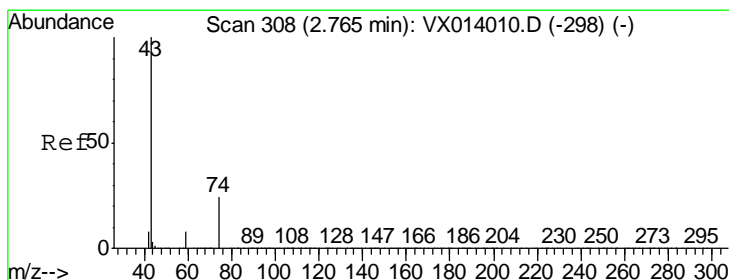
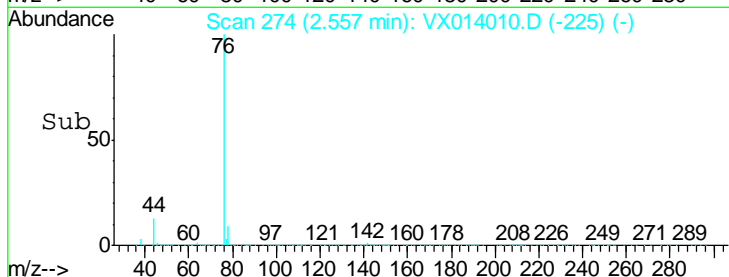
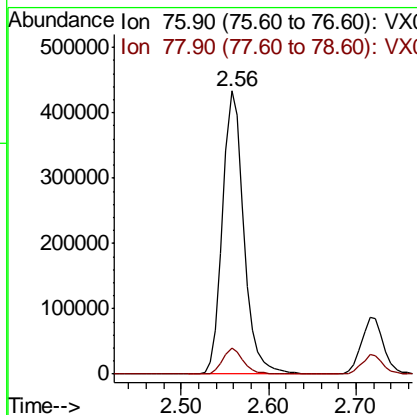
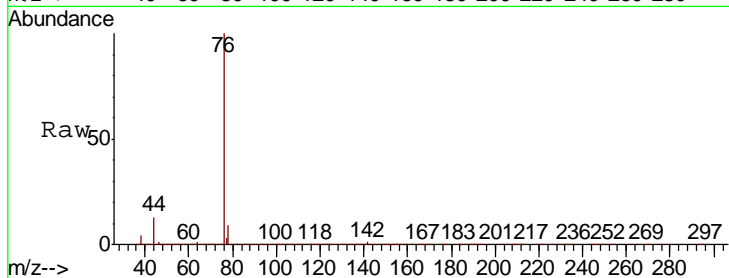
#17
 Carbon Disulfide
 Concen: 47.552 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	731294		
76	100		
78	9.0	7.2	10.8

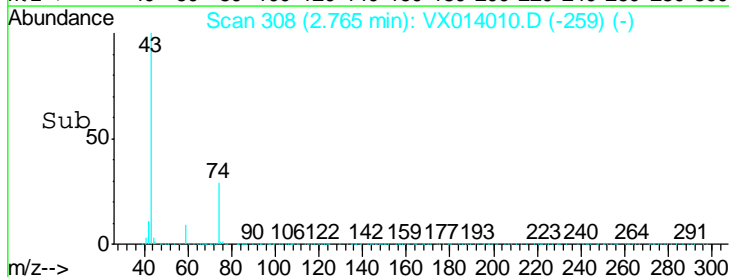
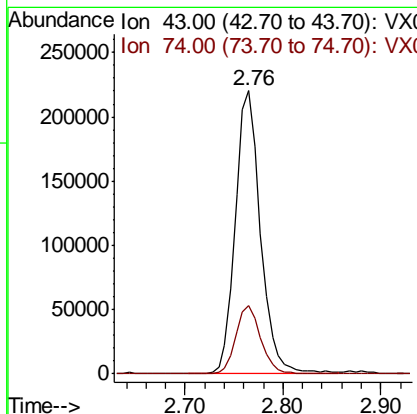
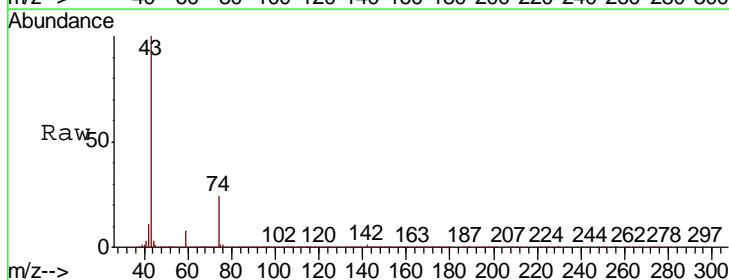
Manual Integrations
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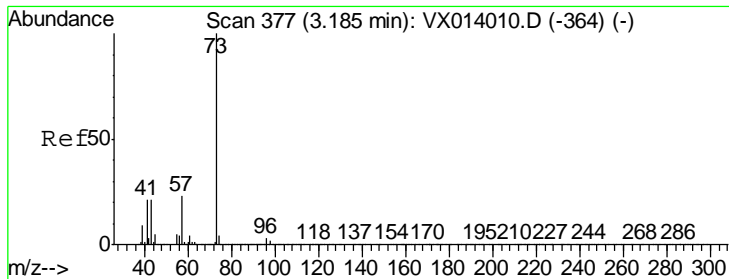
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#18
 Methyl Acetate
 Concen: 44.322 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
43	390978		
43	100		
74	24.4	19.5	29.3





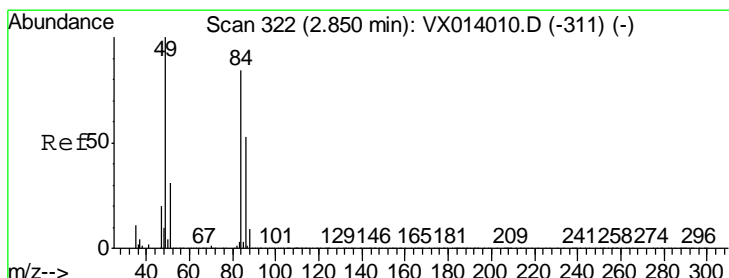
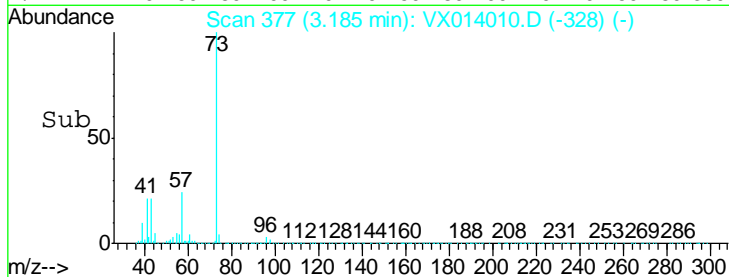
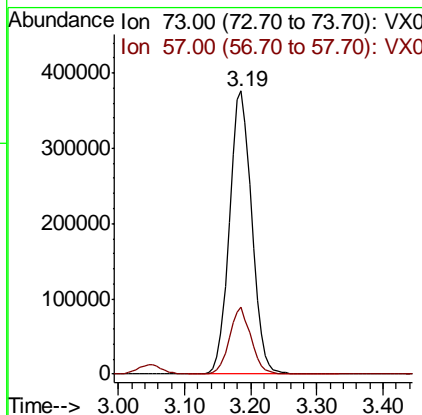
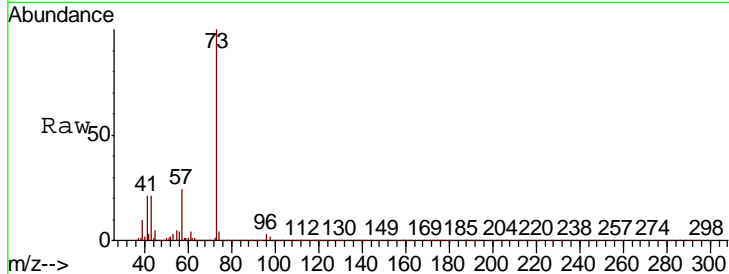
#19
Methyl tert-butyl Ether
Concen: 48.988 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014010.D
Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
73	100		
57	23.5	18.8	28.2

Instrument : MSVOA_X
Client Sampled : VSTDICCC050

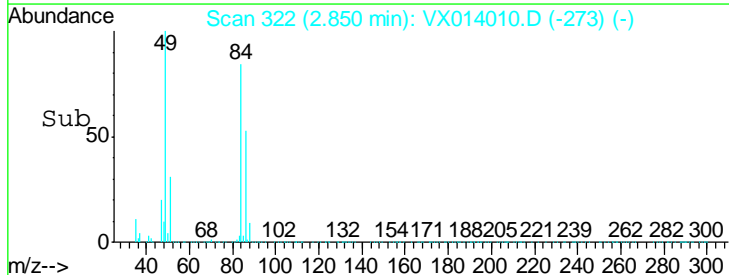
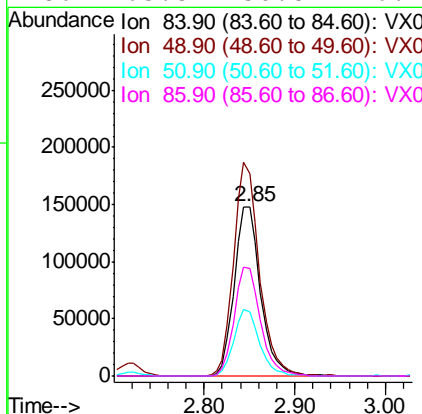
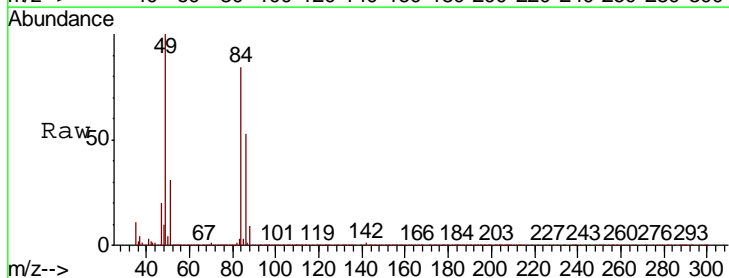
Manual Integrations APPROVED

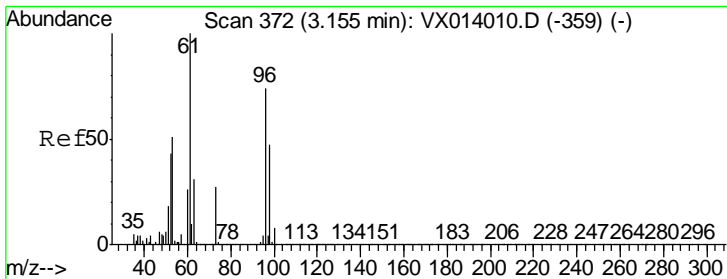
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#20
Methylene Chloride
Concen: 47.427 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014010.D
Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
84	100		
49	119.7	95.8	143.6
51	37.3	29.8	44.8
86	63.5	50.8	76.2





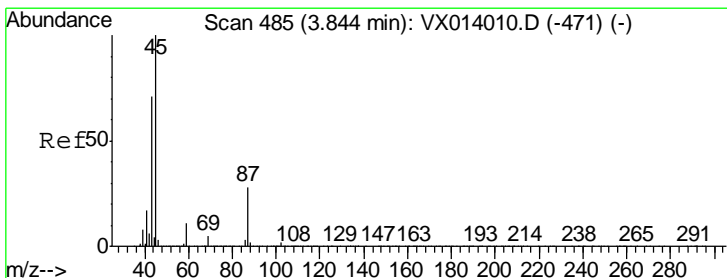
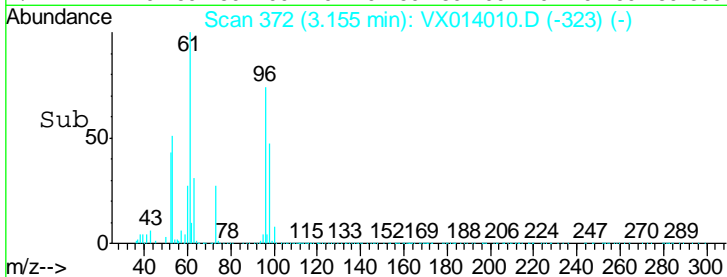
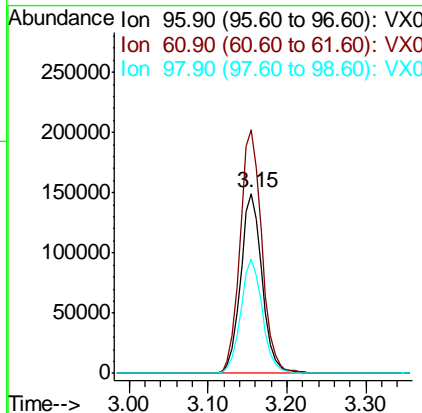
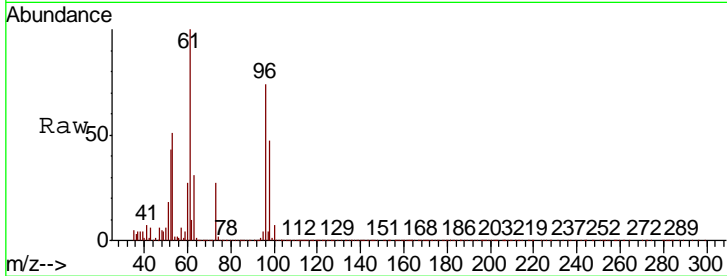
#21
 trans-1,2-Dichloroethene
 Concen: 47.848 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VX014010.D
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	281142		
96	100		
61	135.4	108.3	162.5
98	63.5	50.8	76.2

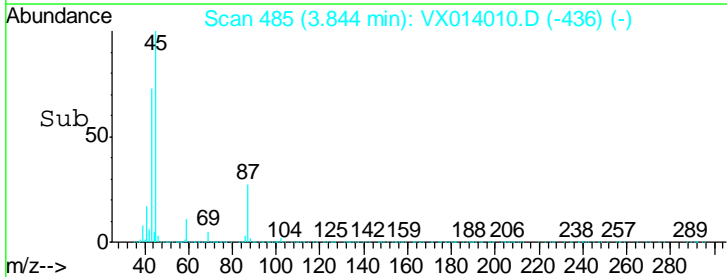
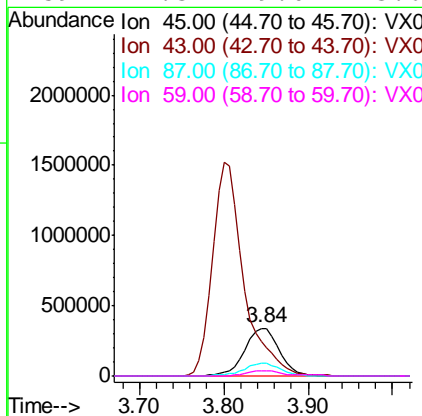
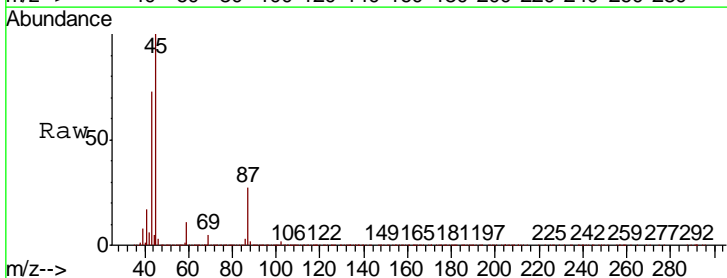
Manual Integrations
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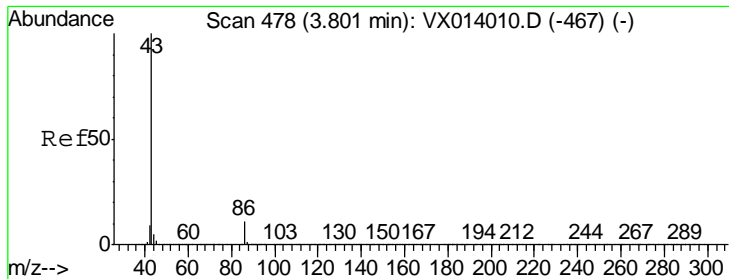
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#22
 Diisopropyl ether
 Concen: 49.853 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
45	941592		
45	100		
43	71.7	57.4	86.0
87	27.4	21.9	32.9
59	11.3	9.0	13.6





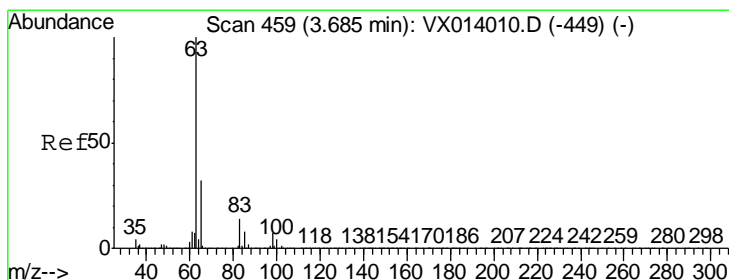
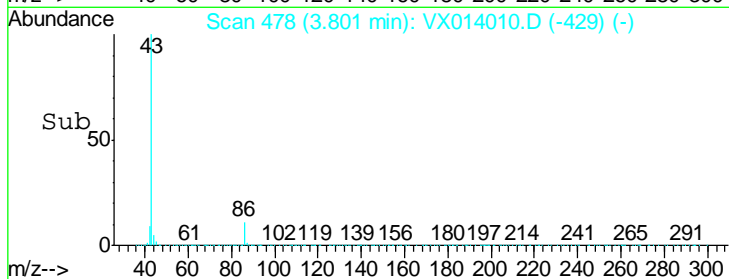
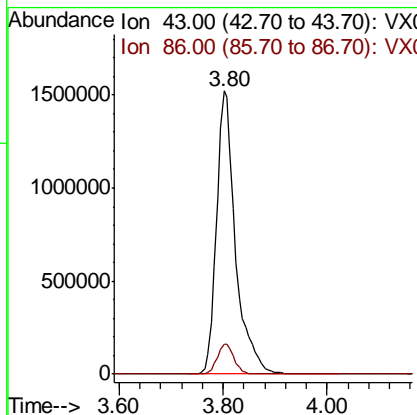
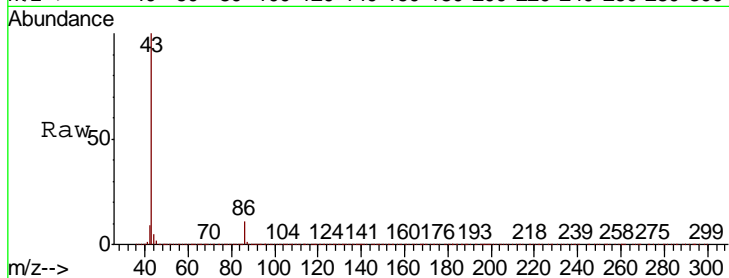
#23
 Vinyl Acetate
 Concen: 249.782 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.7	8.6	12.8

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

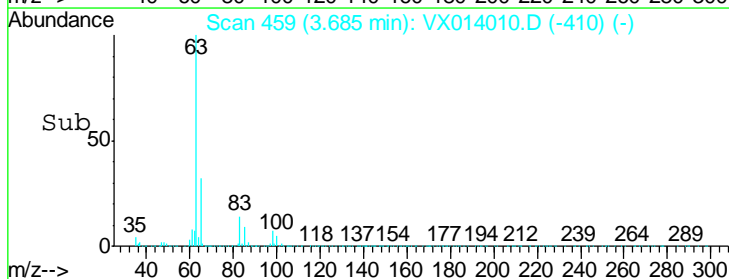
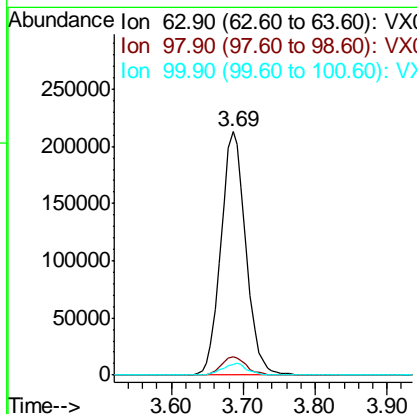
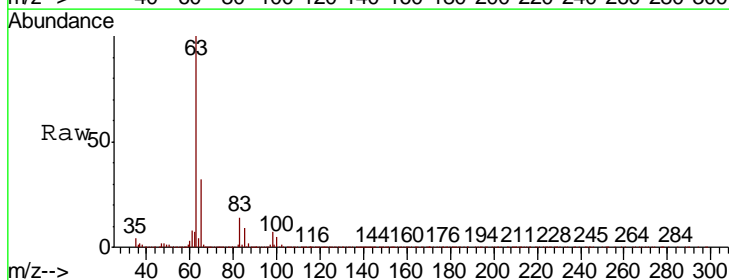
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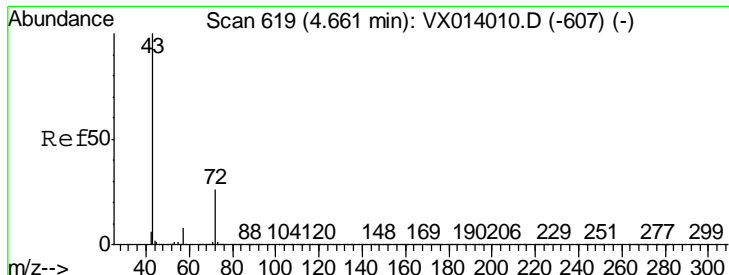
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#24
 1,1-Dichloroethane
 Concen: 49.319 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.5	2.3	6.8





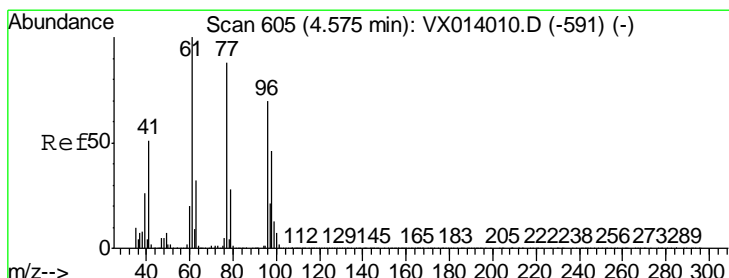
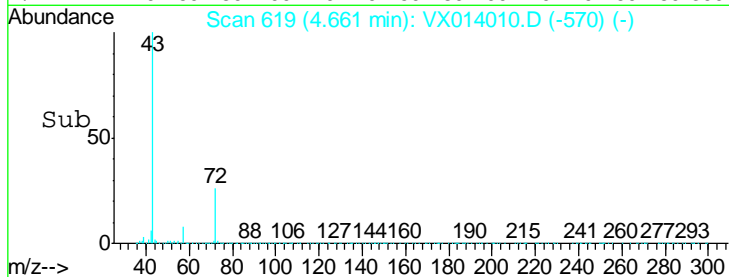
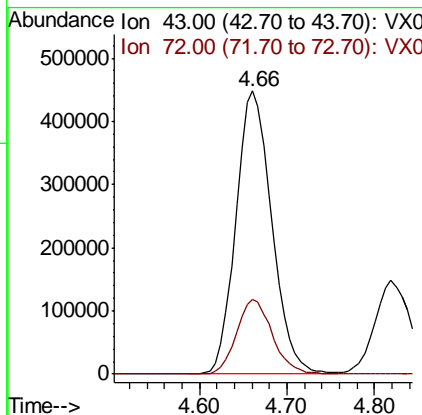
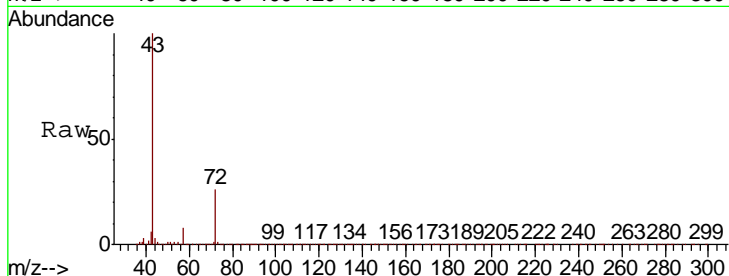
#25
 2-Butanone
 Concen: 261.894 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.2	21.0	31.4

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

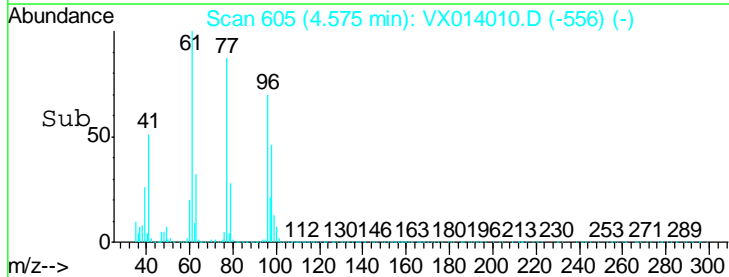
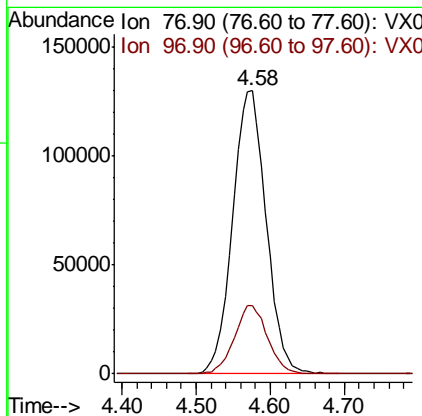
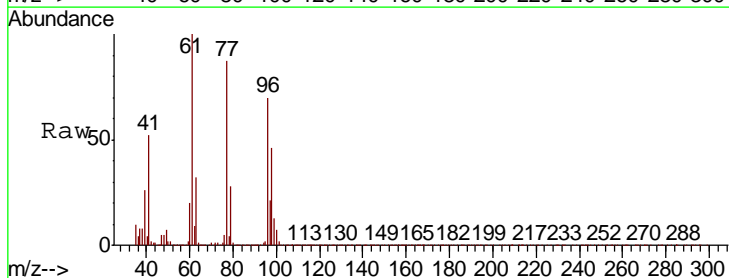
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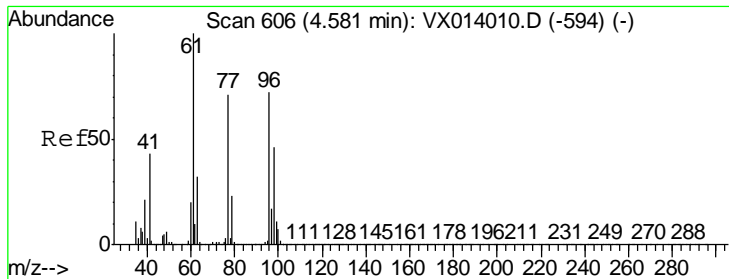
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#26
 2,2-Dichloropropane
 Concen: 47.869 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.9	11.9	35.9





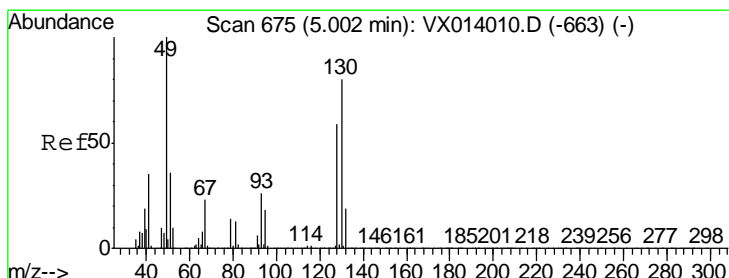
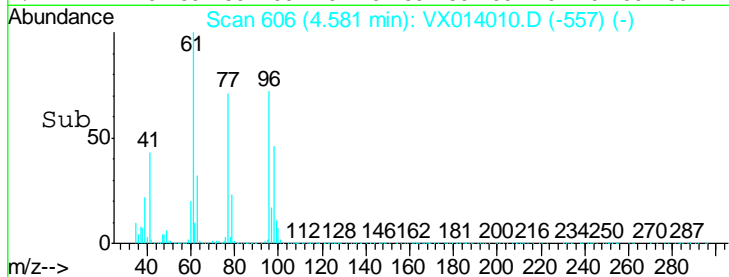
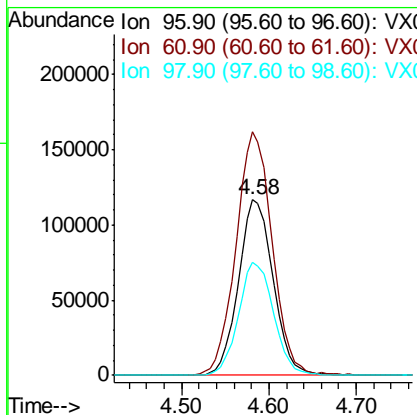
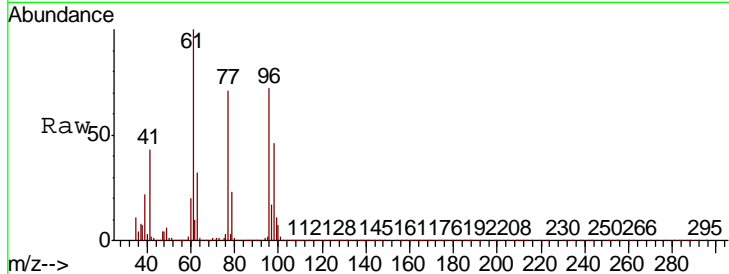
#27
 cis-1,2-Dichloroethene
 Concen: 47.773 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	322146		
96	100		
61	144.2	0.0	288.4
98	64.8	0.0	129.6

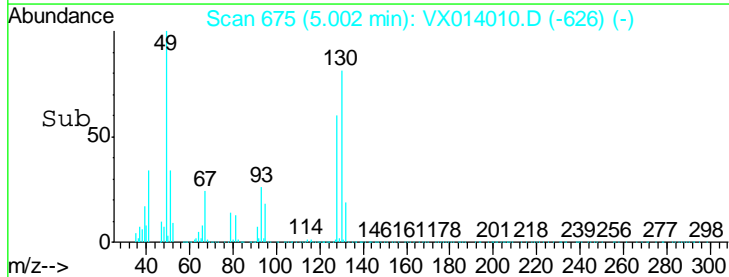
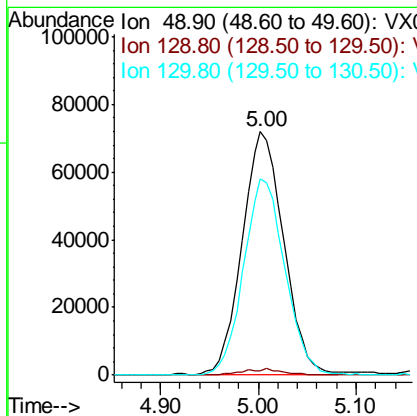
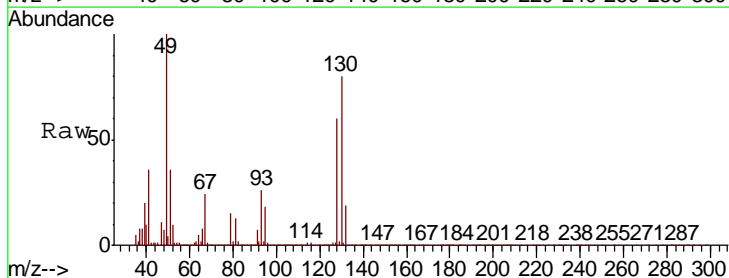
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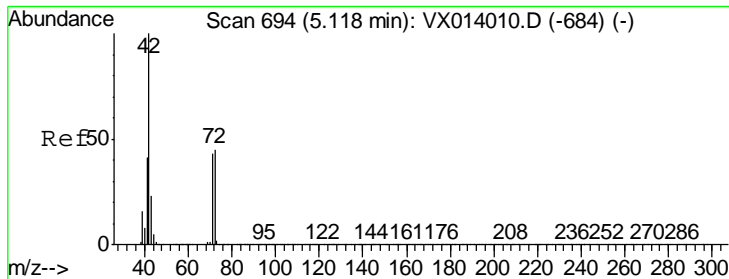
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#28
 Bromochloromethane
 Concen: 57.627 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
49	210039		
49	100		
129	2.5	0.0	5.0
130	80.8	64.6	97.0





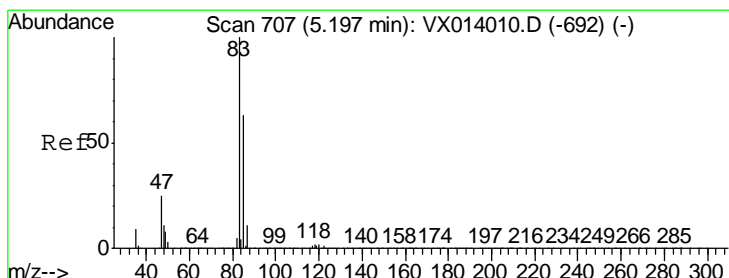
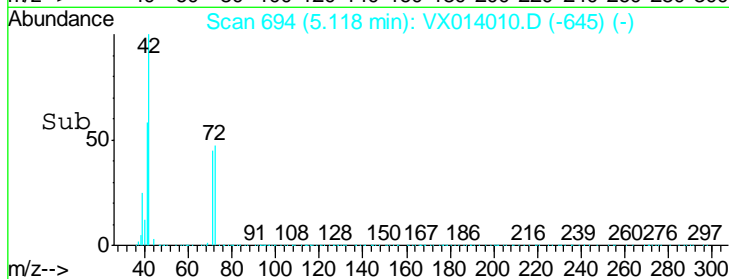
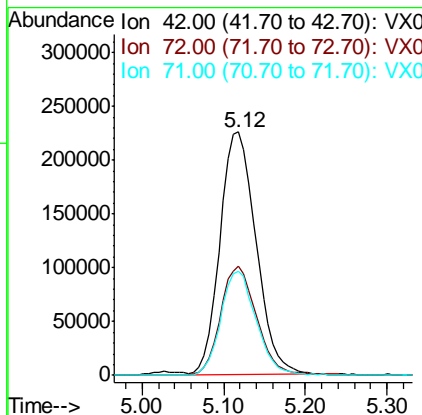
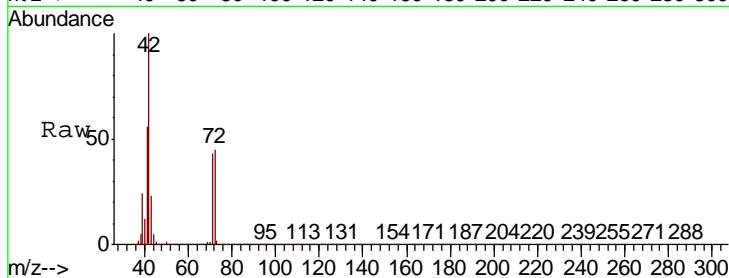
#29
 Tetrahydrofuran
 Concen: 235.957 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.8	35.8	53.8
71	42.0	33.6	50.4

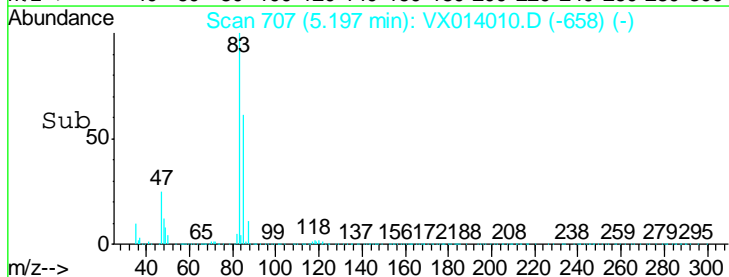
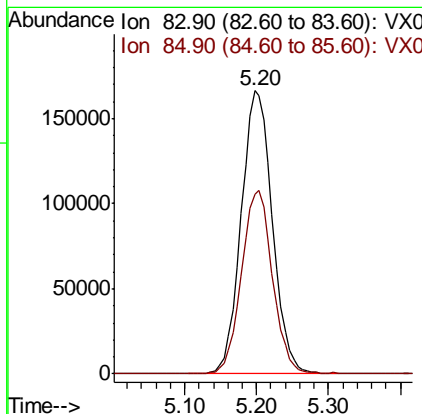
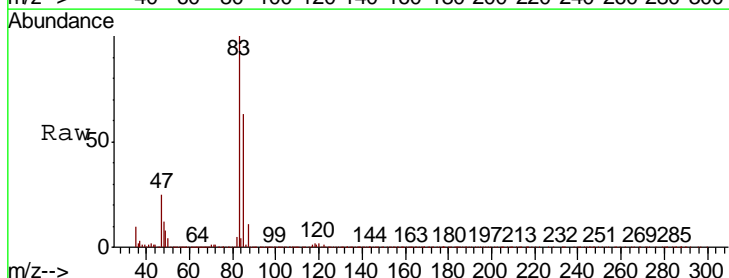
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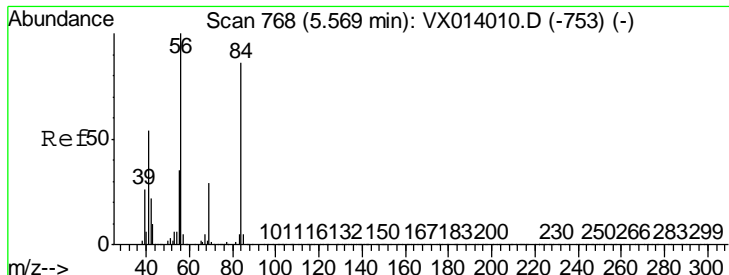
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#30
 Chloroform
 Concen: 47.603 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.5	50.8	76.2





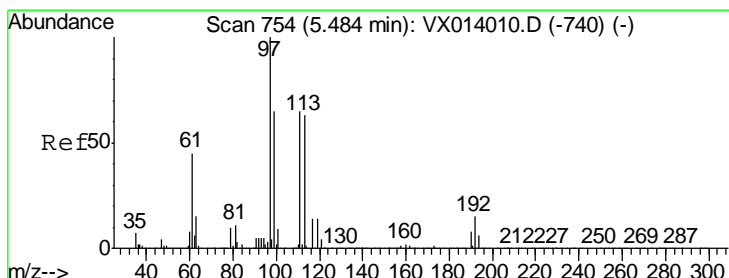
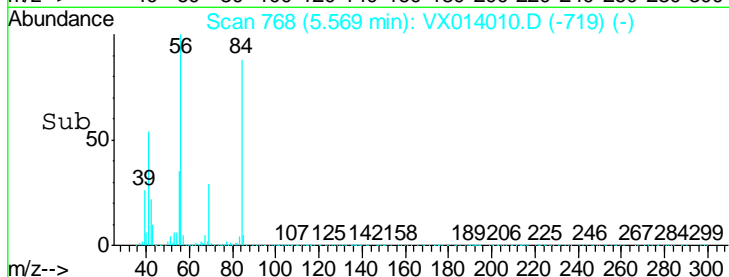
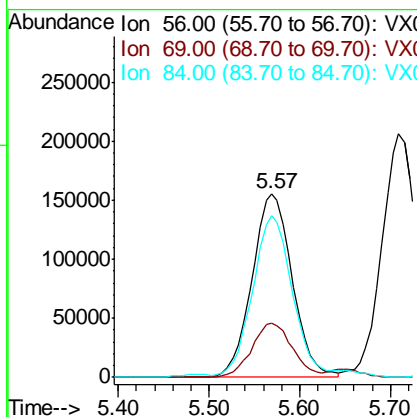
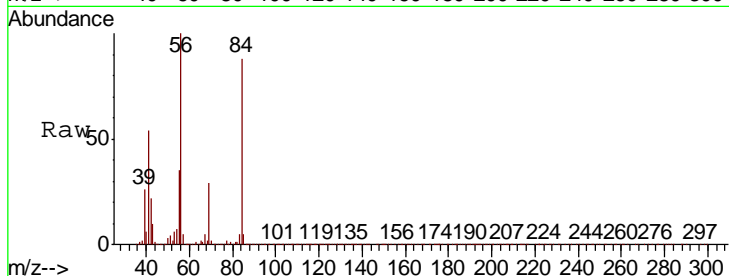
#31
 Cyclohexane
 Concen: 48.739 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	29.0	23.2	34.8
84	86.5	69.2	103.8

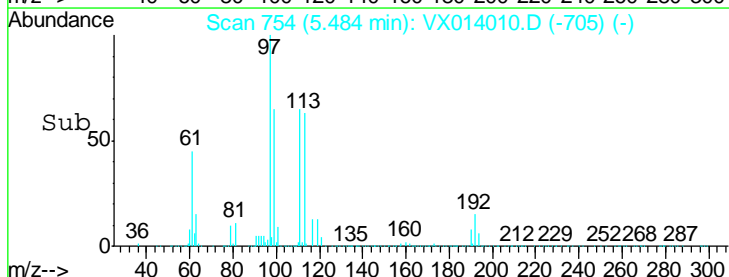
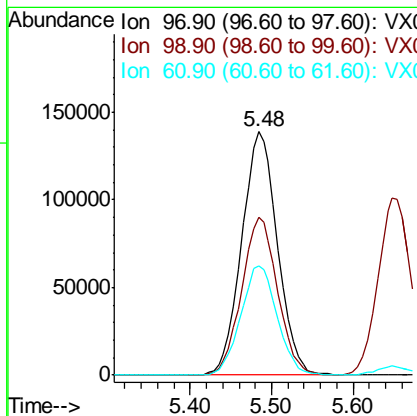
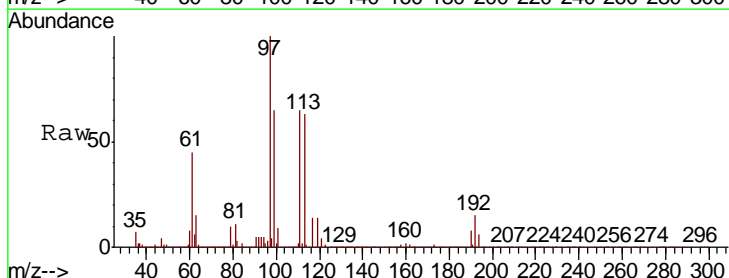
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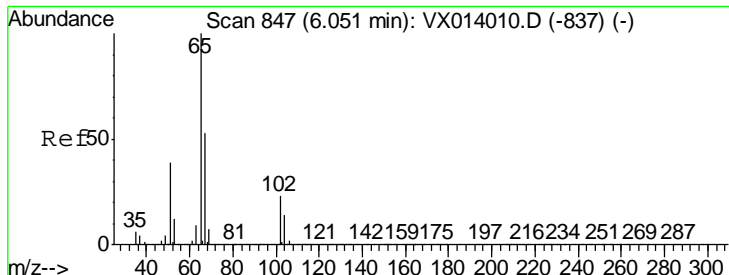
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#32
 1,1,1-Trichloroethane
 Concen: 48.233 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	45.9	36.7	55.1





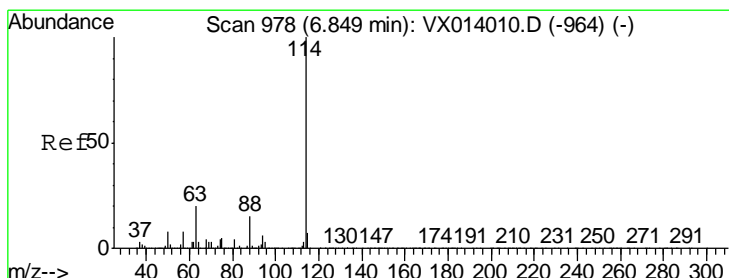
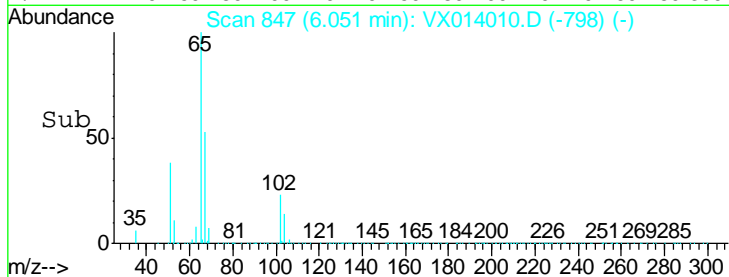
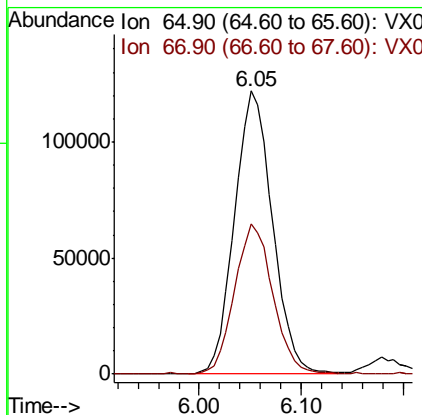
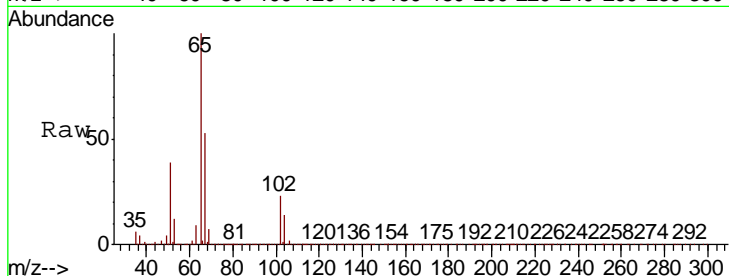
#33
 1,2-Dichloroethane-d4
 Concen: 47.638 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
65	313851		
67	53.2	0.0	106.4

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

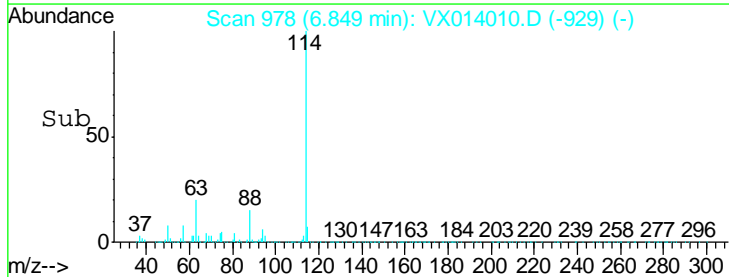
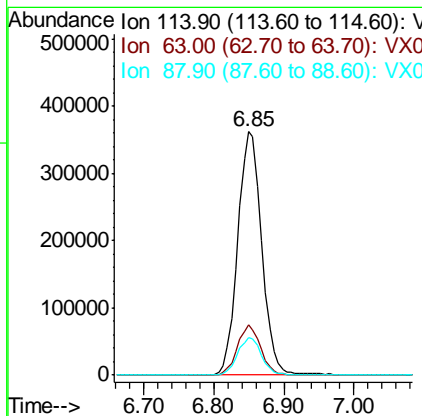
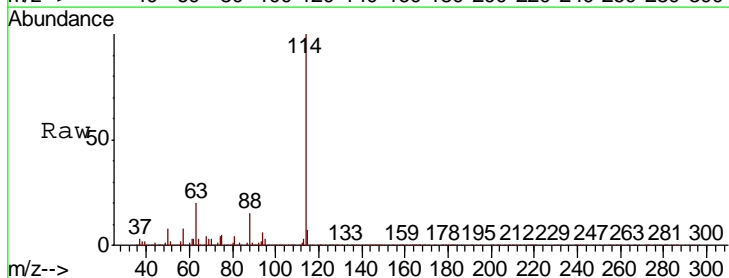
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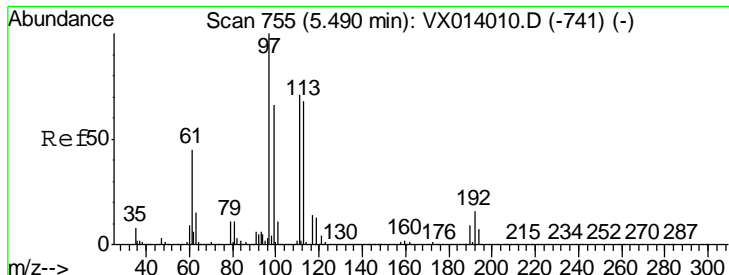
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
114	864628		
63	20.4	0.0	40.8
88	15.2	0.0	30.4





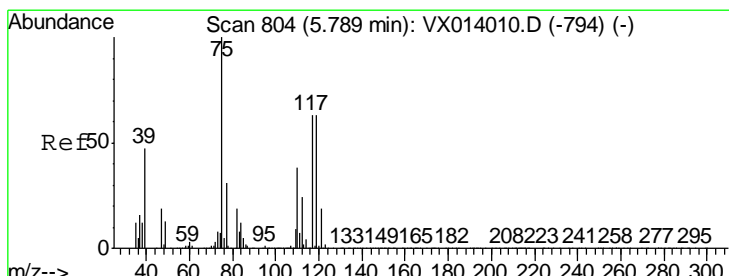
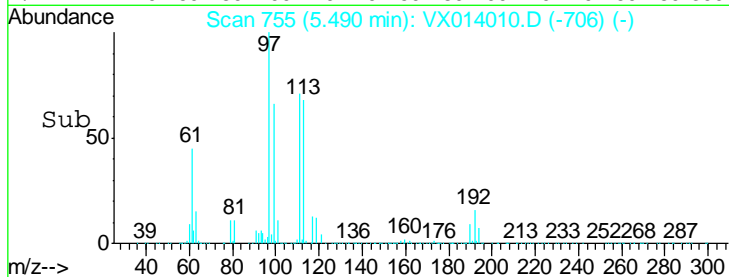
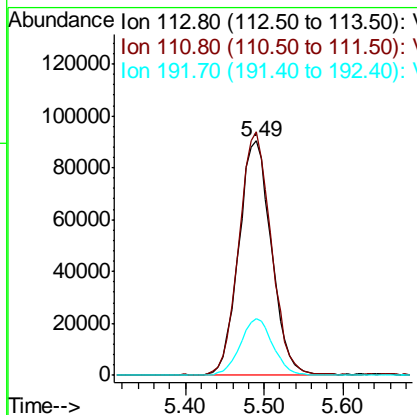
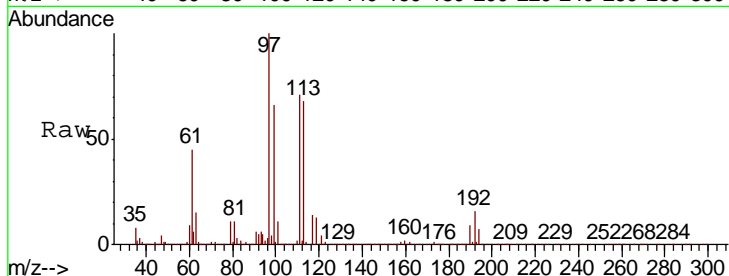
#35
 Dibromofluoromethane
 Concen: 48.410 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
113	260151		
113	100		
111	102.5	82.0	123.0
192	24.1	19.3	28.9

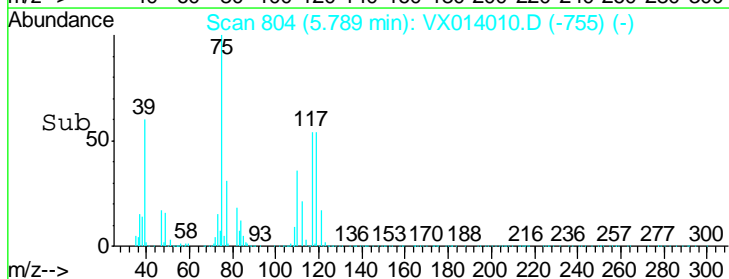
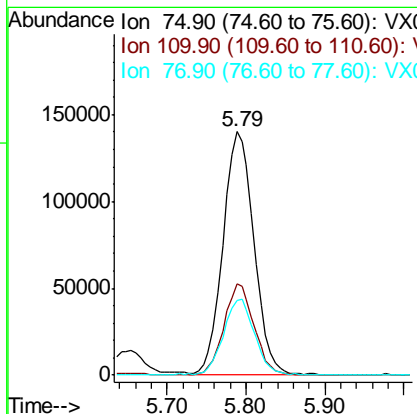
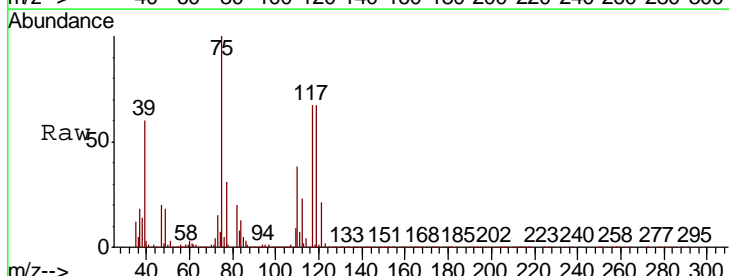
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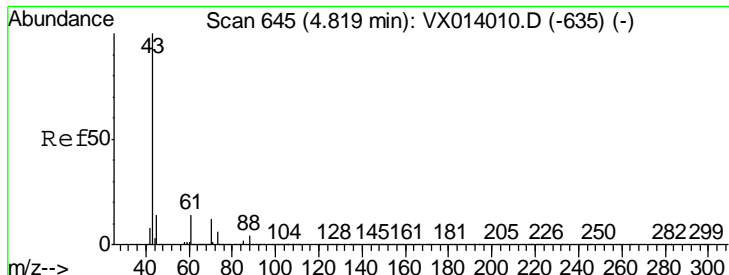
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#36
 1,1-Dichloropropene
 Concen: 48.555 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
75	381362		
75	100		
110	36.6	18.3	54.9
77	31.0	24.8	37.2





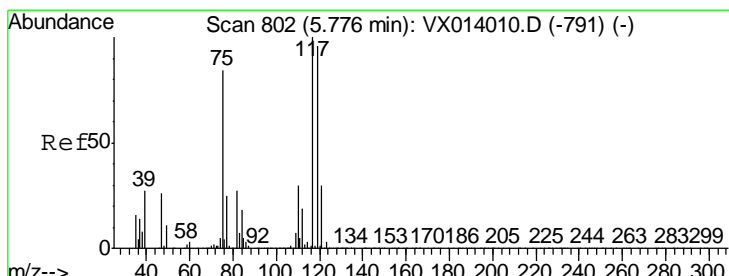
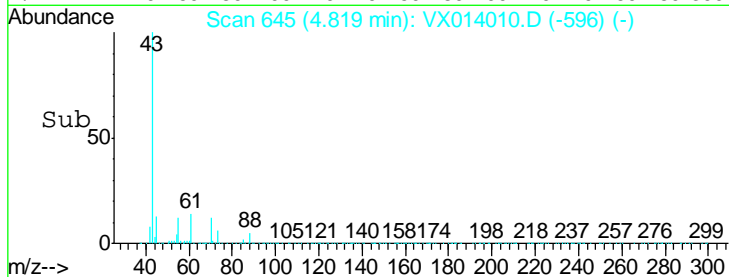
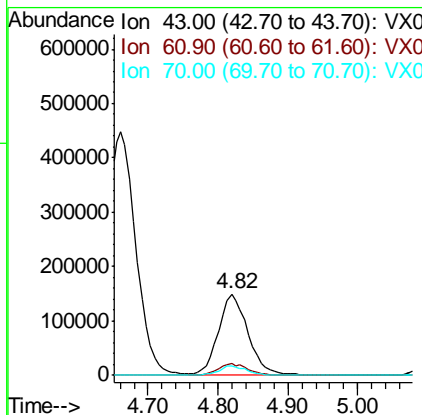
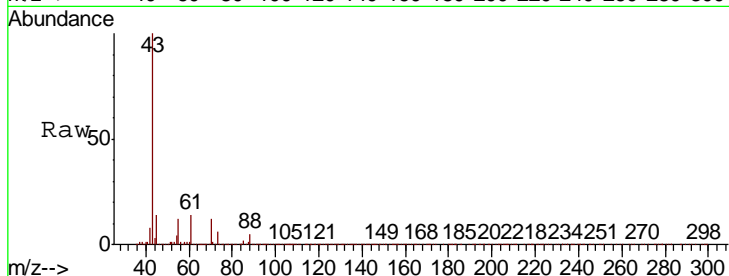
#37
 Ethyl Acetate
 Concen: 49.574 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	10.7	8.6	12.8

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

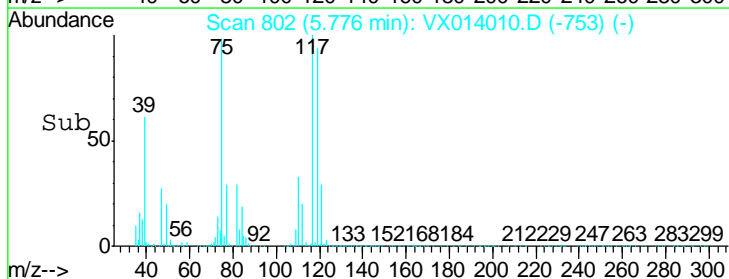
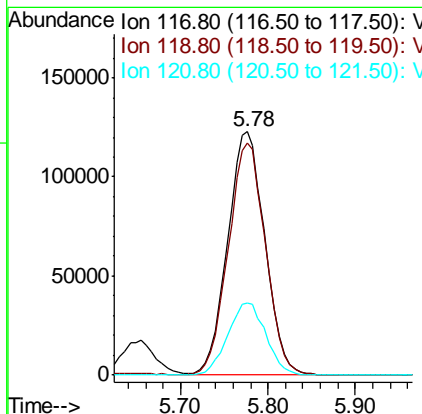
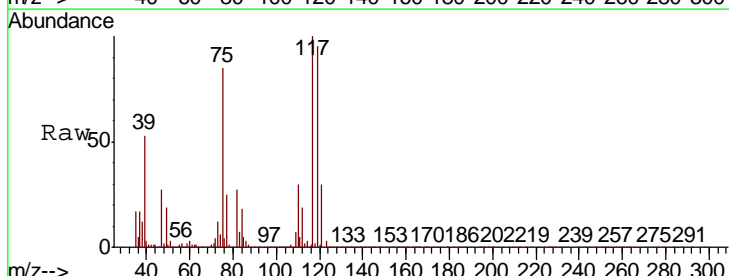
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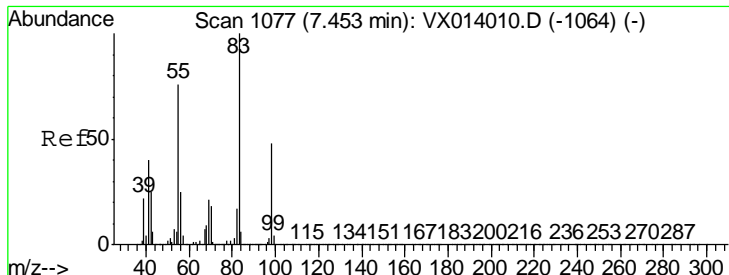
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#38
 Carbon Tetrachloride
 Concen: 49.898 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	29.5	23.6	35.4





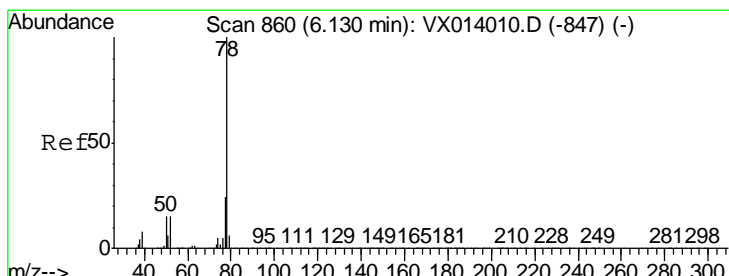
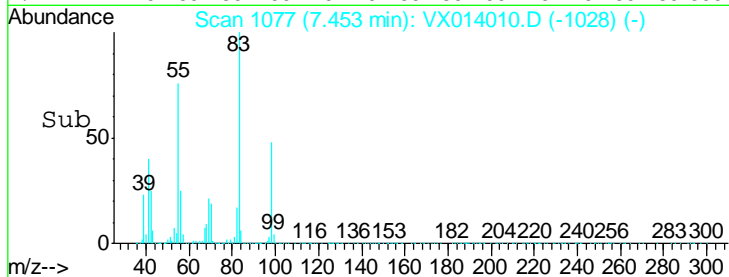
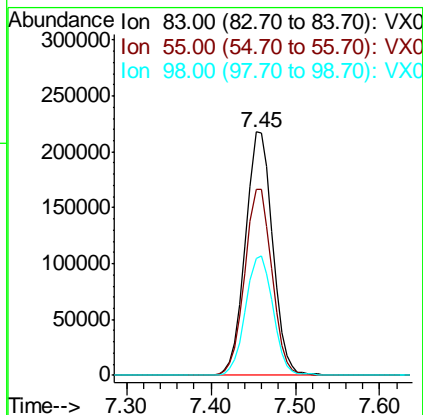
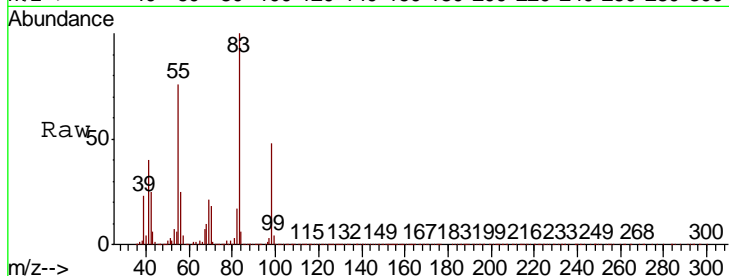
#39
 Methylcyclohexane
 Concen: 48.720 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	473812		
83	100		
55	76.3	61.0	91.6
98	48.2	38.6	57.8

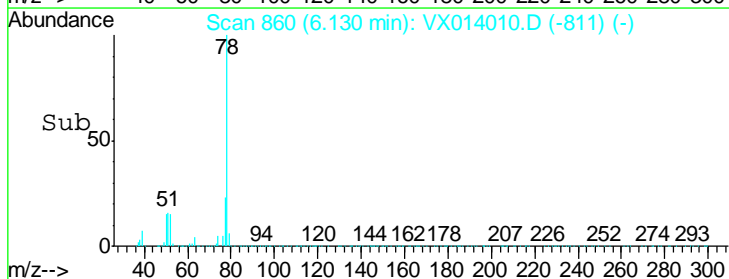
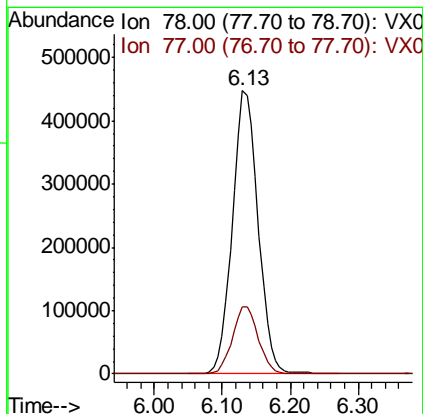
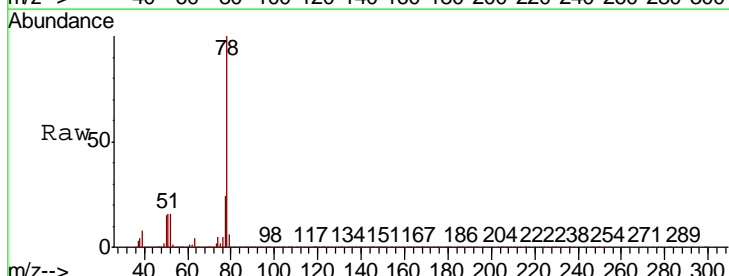
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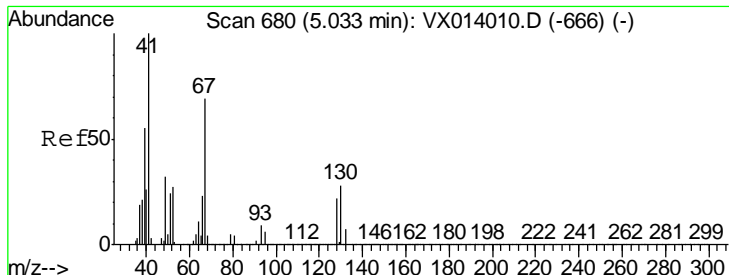
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#40
 Benzene
 Concen: 48.807 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
78	1169987		
78	100		
77	23.5	18.8	28.2





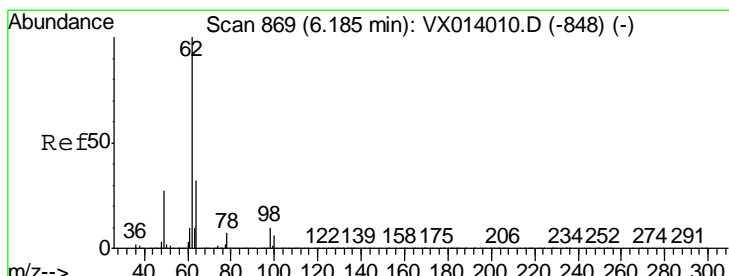
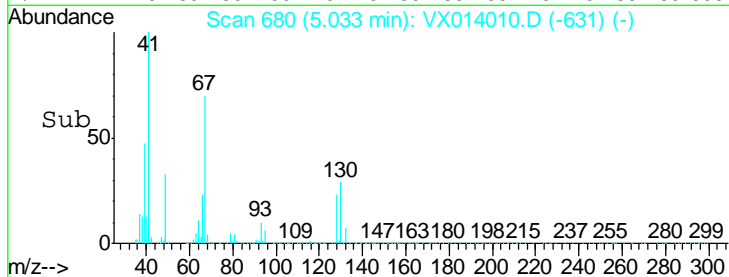
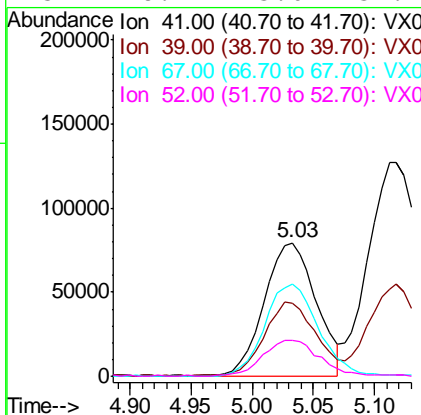
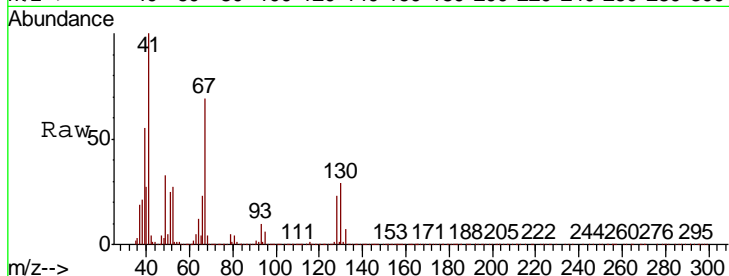
#41
 Methacrylonitrile
 Concen: 48.825 ug/l
 RT: 5.03 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.6	44.5	66.7
67	71.7	57.4	86.0
52	28.7	23.0	34.4

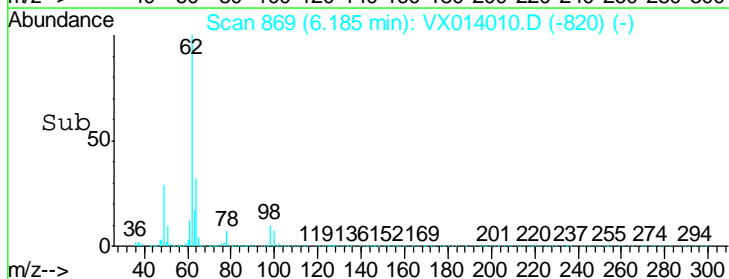
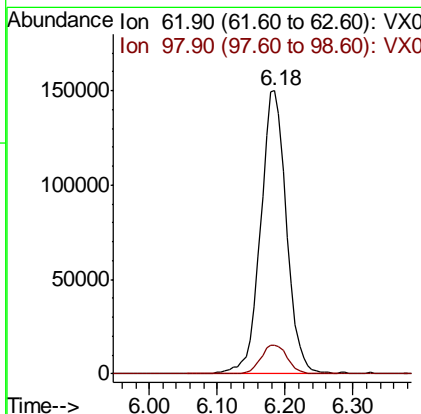
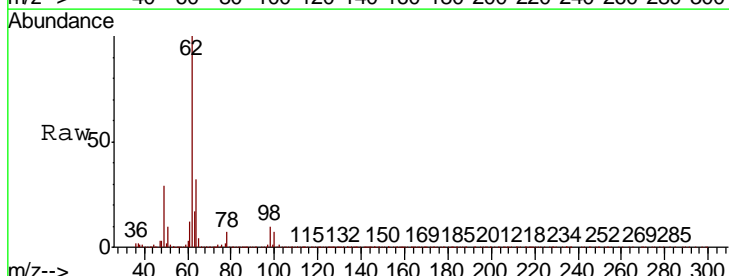
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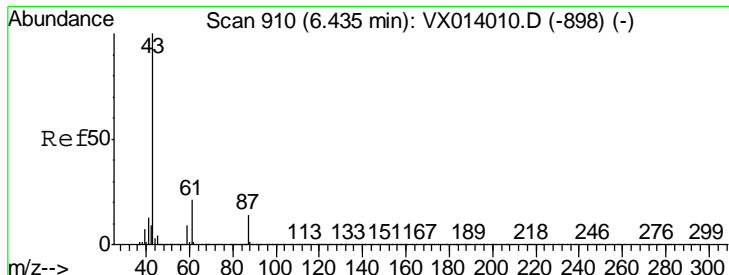
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#42
 1,2-Dichloroethane
 Concen: 48.642 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.5	0.0	21.0





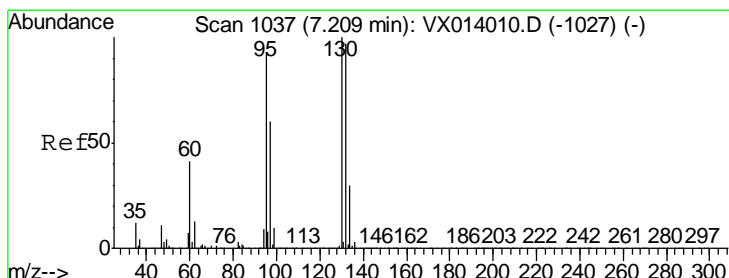
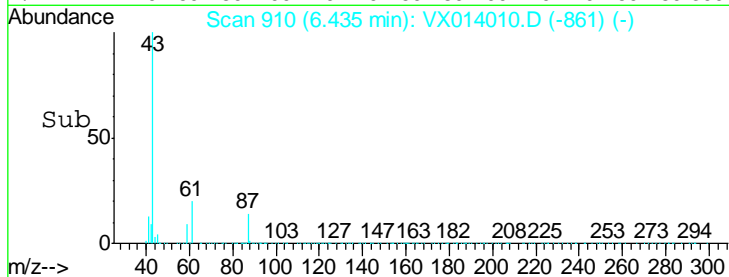
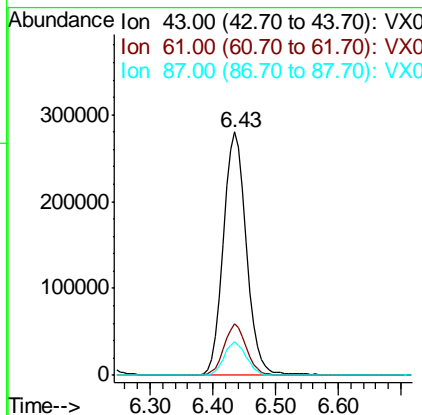
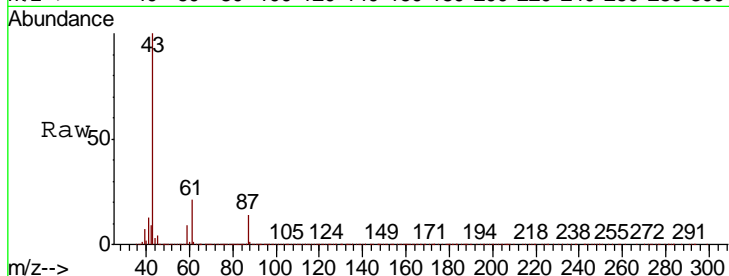
#43
 Isopropyl Acetate
 Concen: 48.974 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.5	16.4	24.6
87	13.4	10.7	16.1

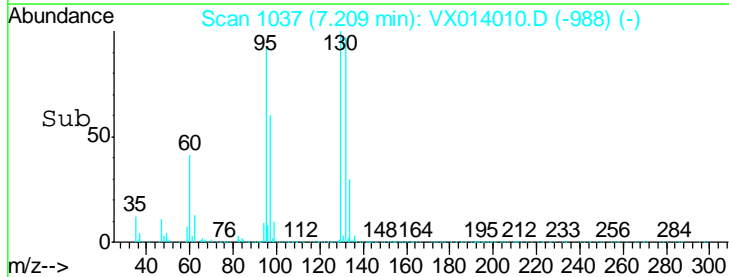
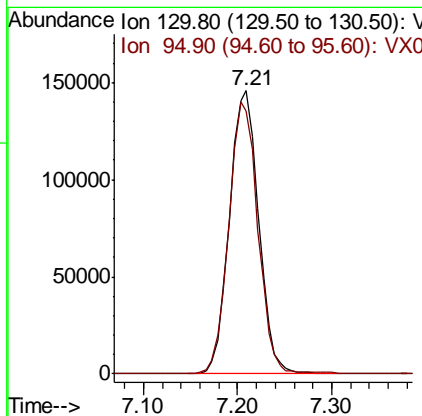
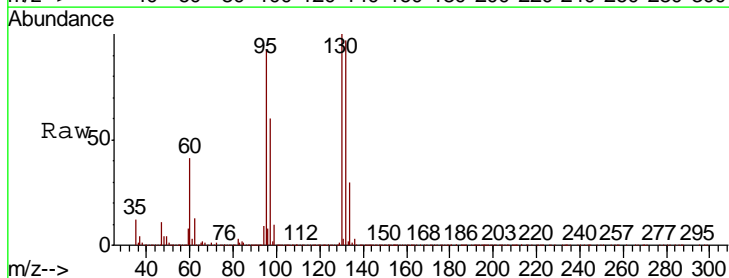
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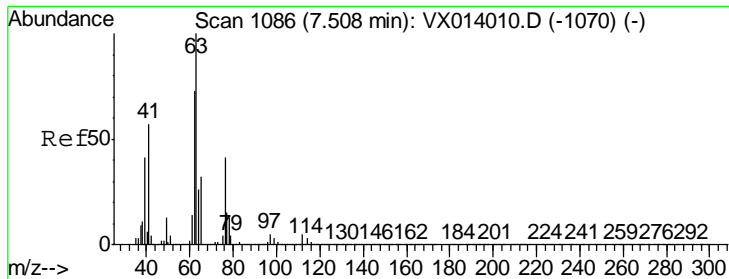
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#44
 Trichloroethene
 Concen: 47.797 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
130	100		
95	92.8	0.0	185.6



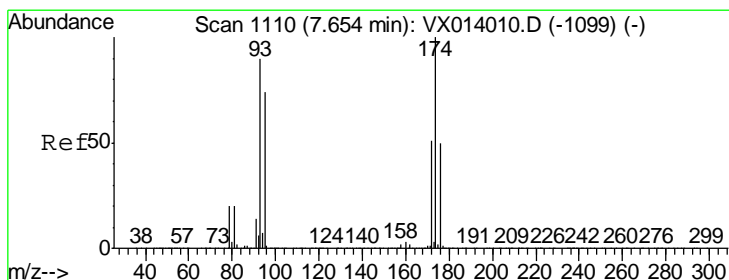
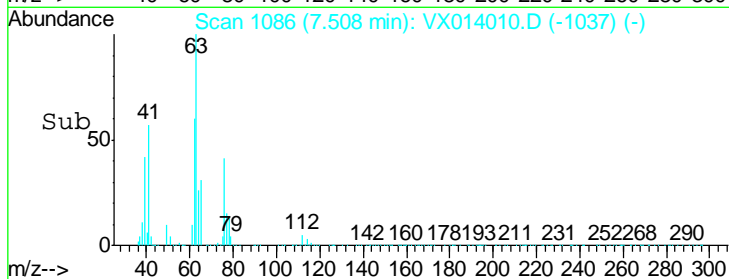
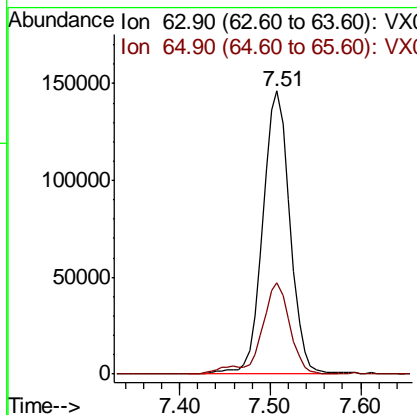
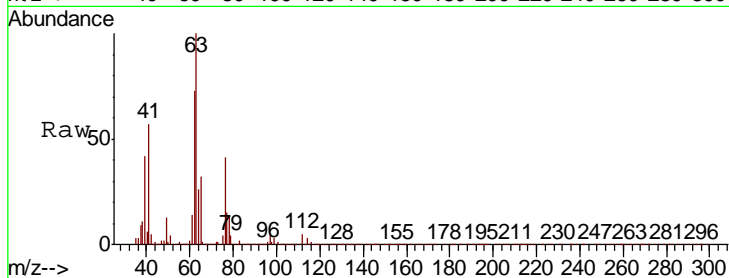


#45
 1,2-Dichloropropane
 Concen: 50.134 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
63	100		
65	32.3	25.8	38.8

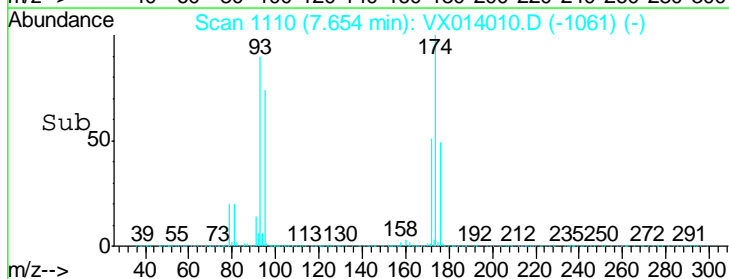
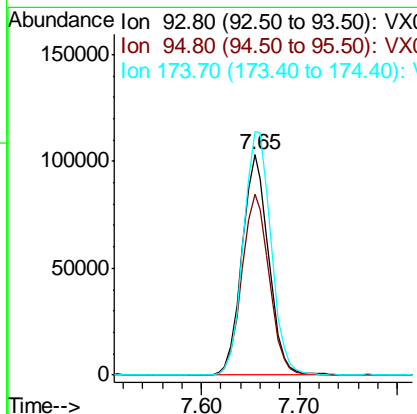
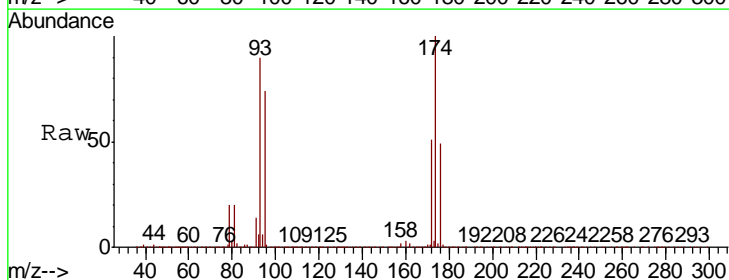
Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

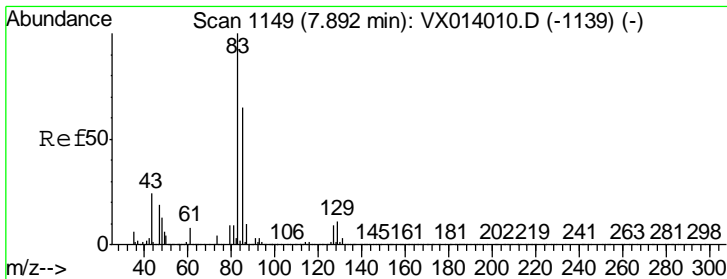
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#46
 Dibromomethane
 Concen: 47.935 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.1	67.3	100.9
174	114.5	91.6	137.4





#47

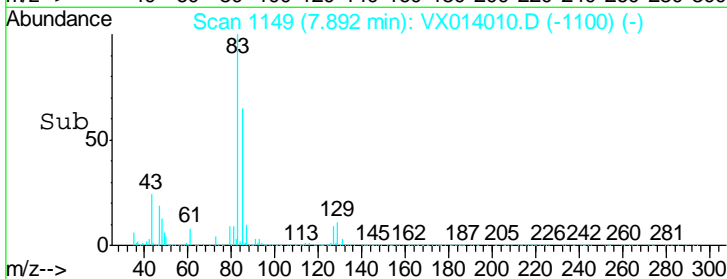
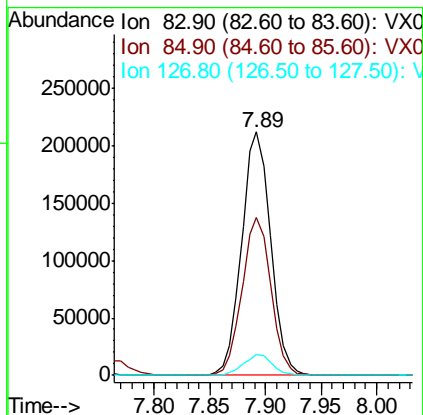
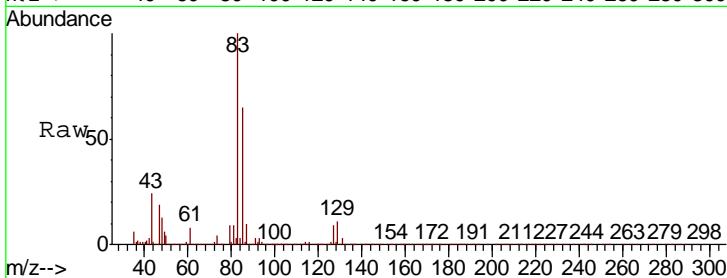
Bromodichloromethane
 Concen: 49.981 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	384152		
85	64.8	51.8	77.8
127	8.7	7.0	10.4

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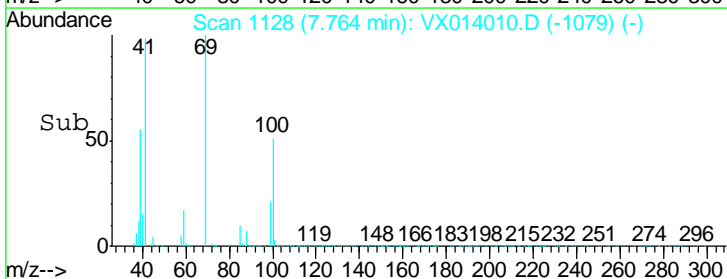
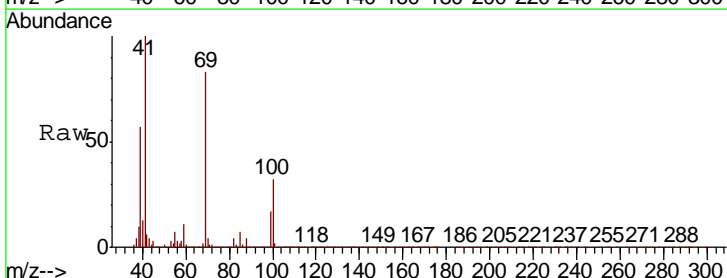
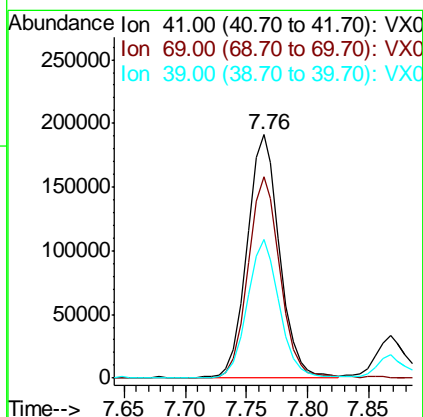
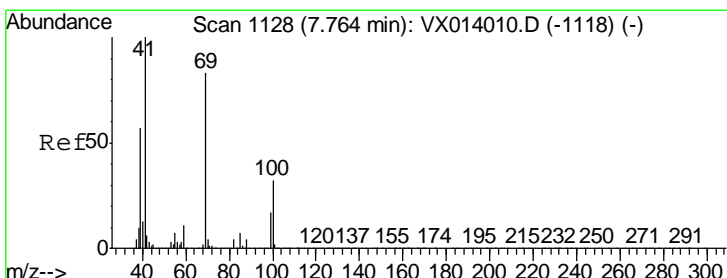
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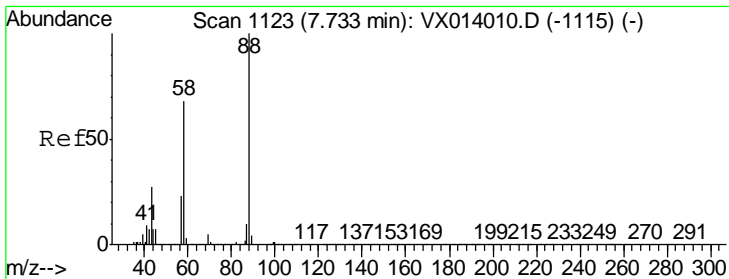


#48

Methyl methacrylate
 Concen: 50.026 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
41	351009		
69	82.2	65.8	98.6
39	55.8	44.6	67.0





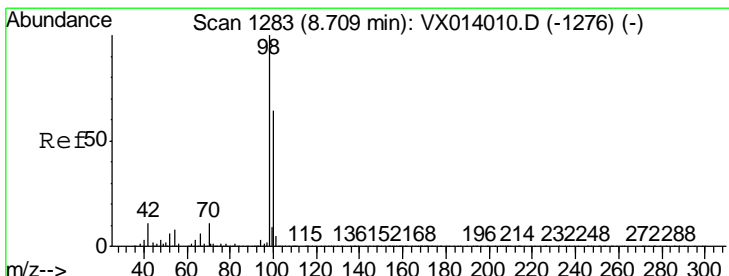
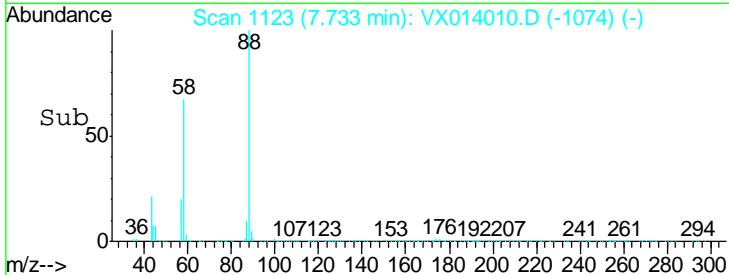
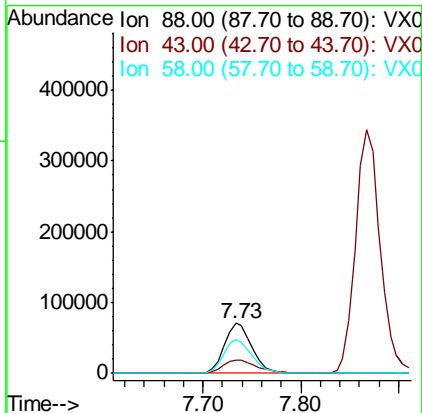
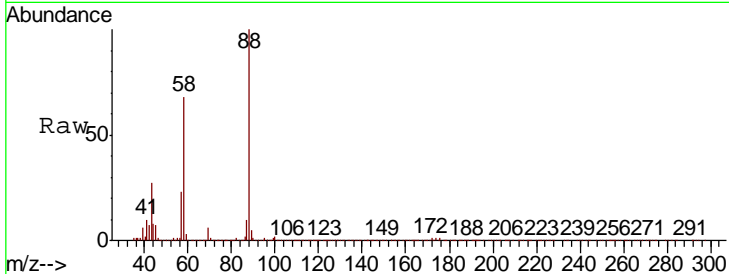
#49
 1,4-Dioxane
 Concen: 880.664 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
88	136097		
43	33.1	26.5	39.7
58	71.0	56.8	85.2

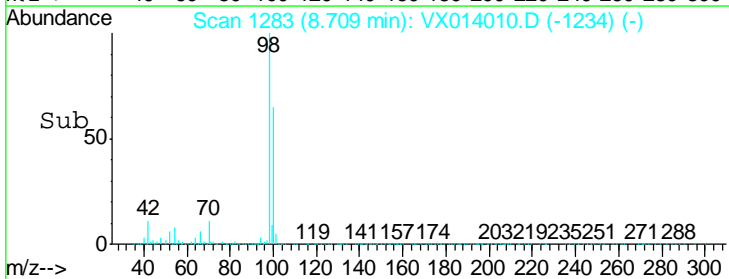
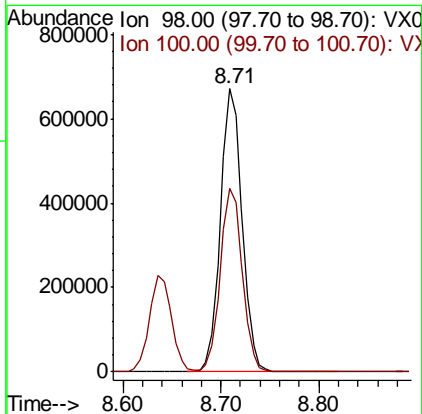
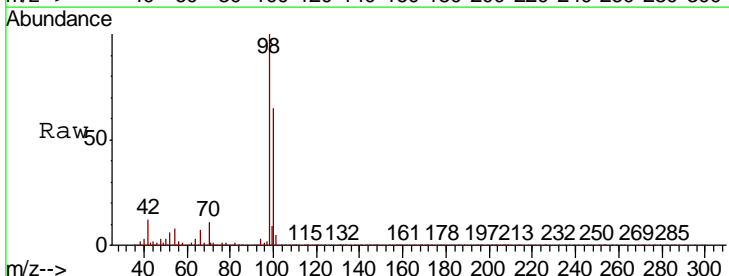
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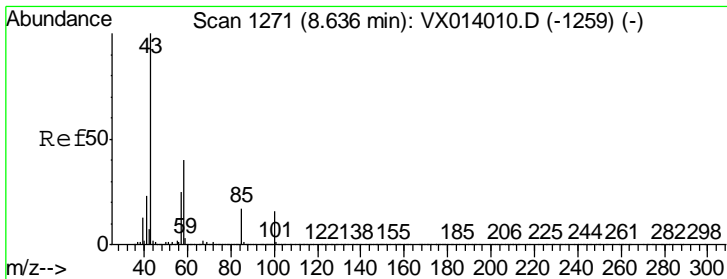
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#50
 Toluene-d8
 Concen: 48.998 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
98	1029611		
100	66.1	52.9	79.3





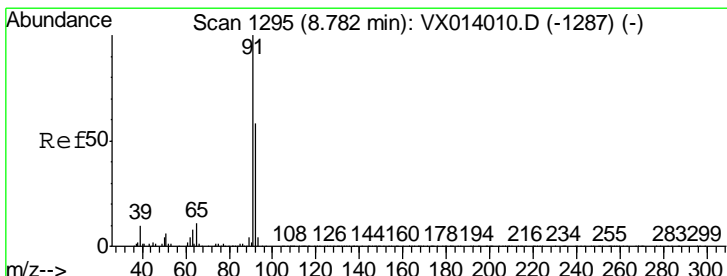
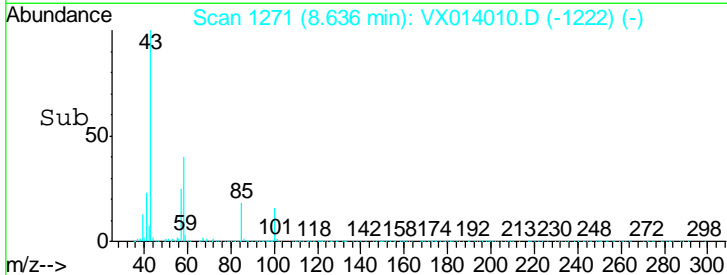
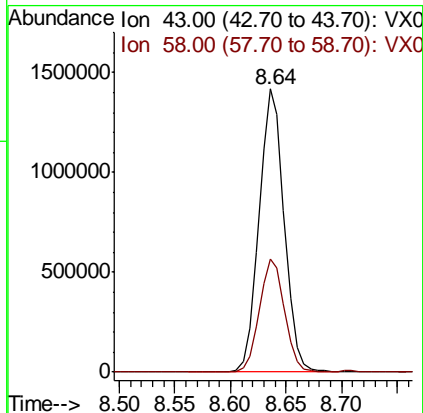
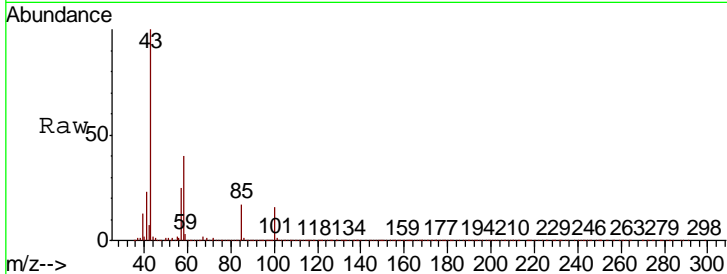
#51
 4-Methyl-2-Pentanone
 Concen: 245.062 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.2	32.2	48.2

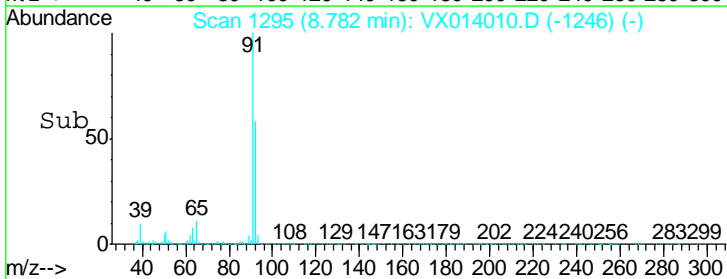
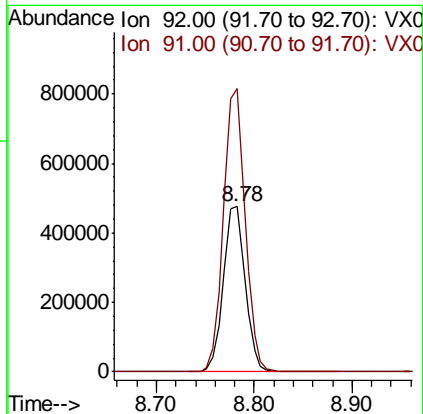
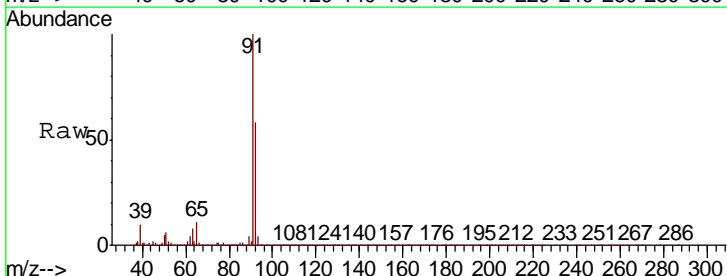
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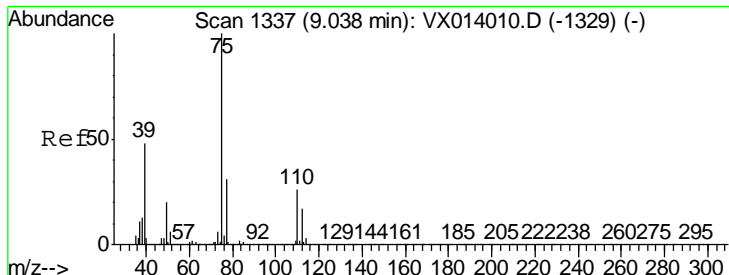
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#52
 Toluene
 Concen: 49.725 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
92	100		
91	170.3	136.2	204.4





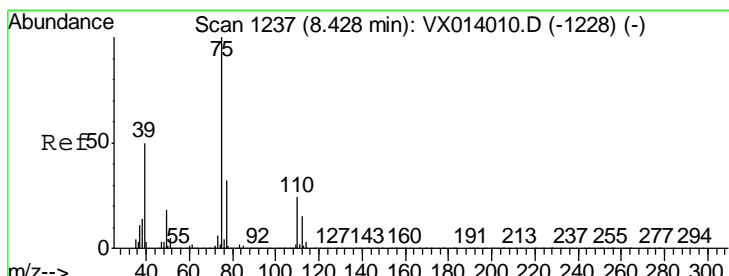
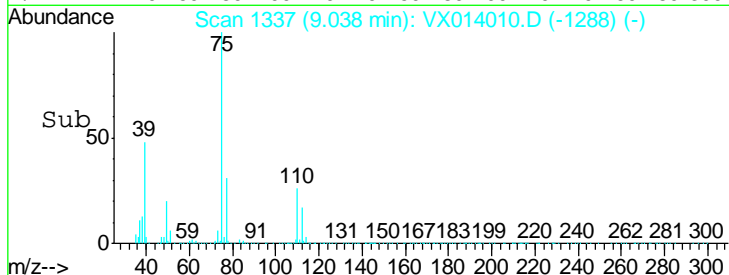
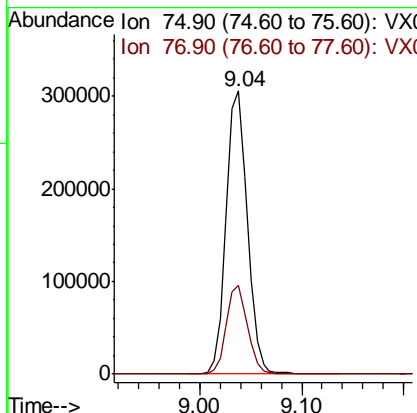
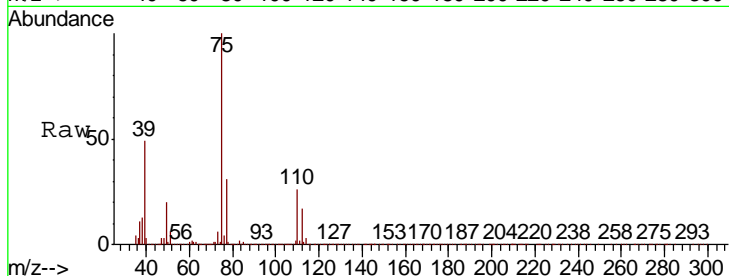
#53
 t-1,3-Dichloropropene
 Concen: 50.210 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	438995		
75	100		
77	31.4	25.1	37.7

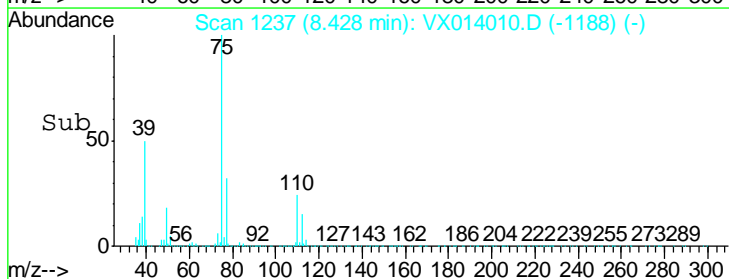
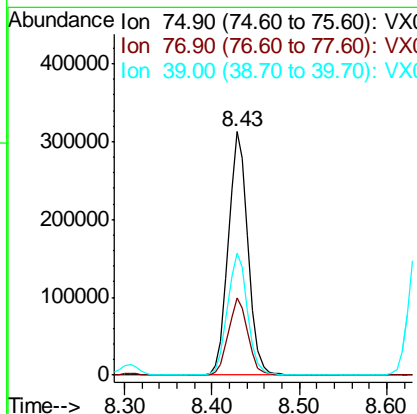
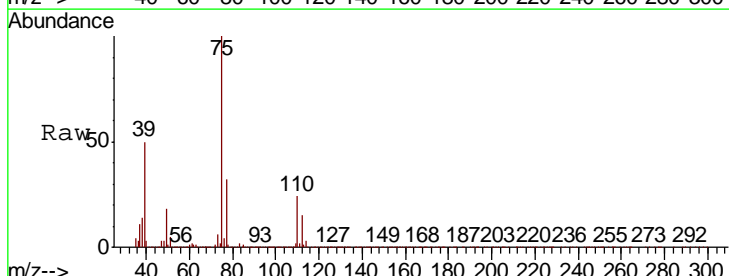
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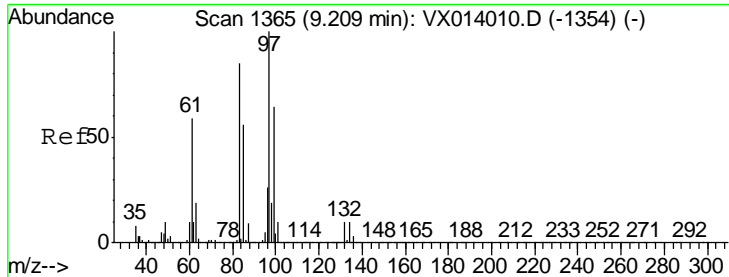
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#54
 cis-1,3-Dichloropropene
 Concen: 50.785 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
75	485569		
75	100		
77	31.6	25.3	37.9
39	49.9	39.9	59.9





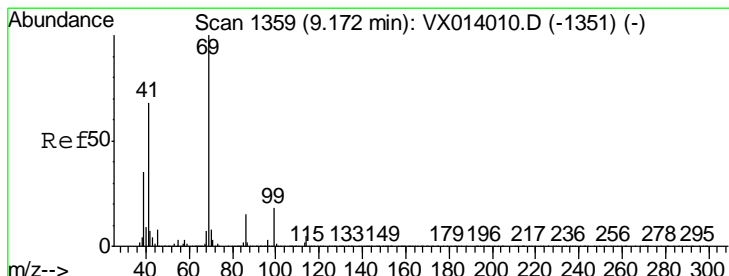
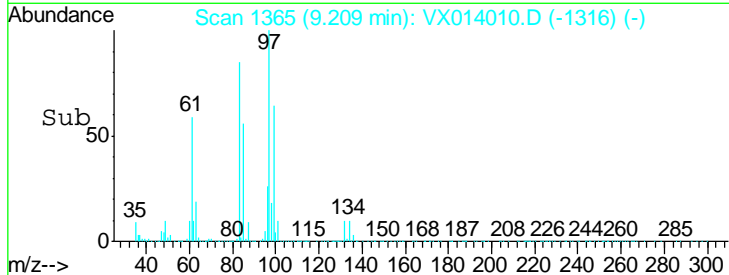
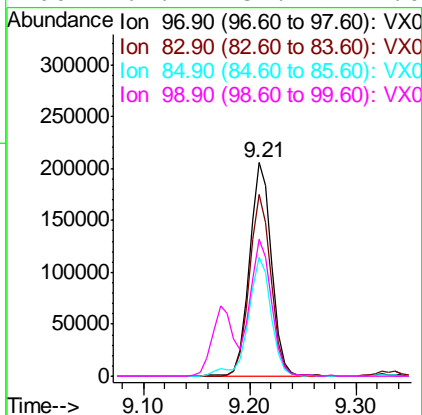
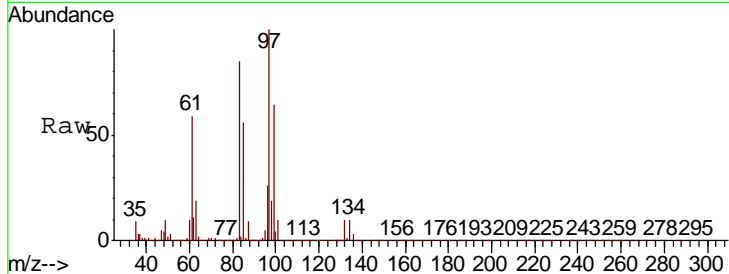
#55
 1,1,2-Trichloroethane
 Concen: 49.651 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
97	100		
83	85.3	68.2	102.4
85	55.7	44.6	66.8
99	64.2	51.4	77.0

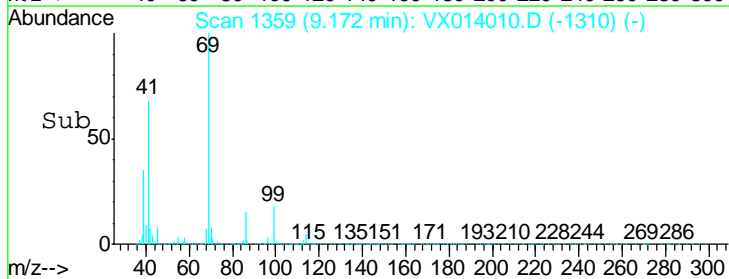
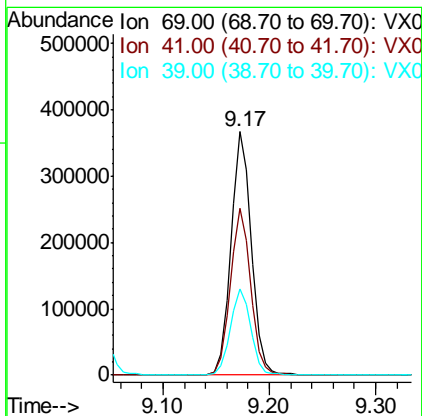
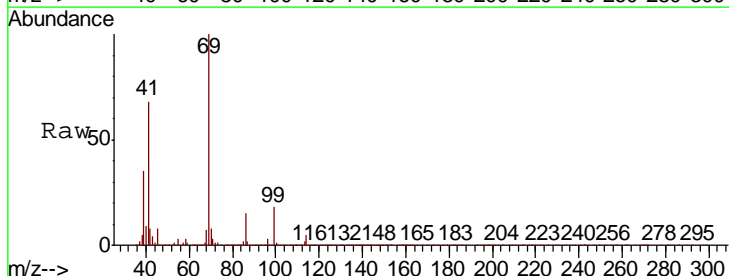
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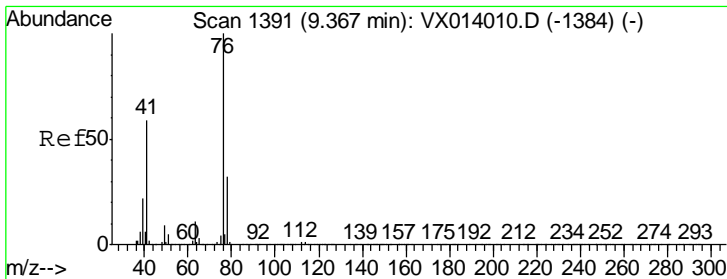
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#56
 Ethyl methacrylate
 Concen: 50.962 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
69	100		
41	68.5	54.8	82.2
39	35.4	28.3	42.5





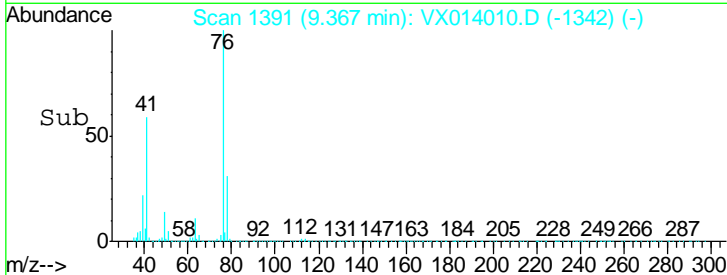
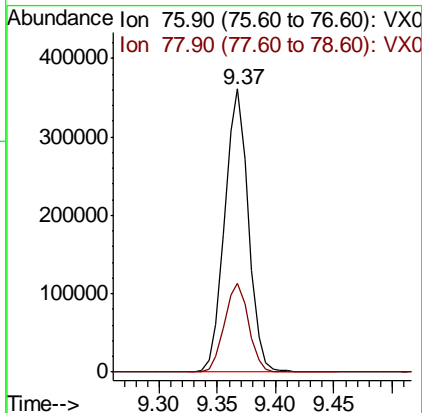
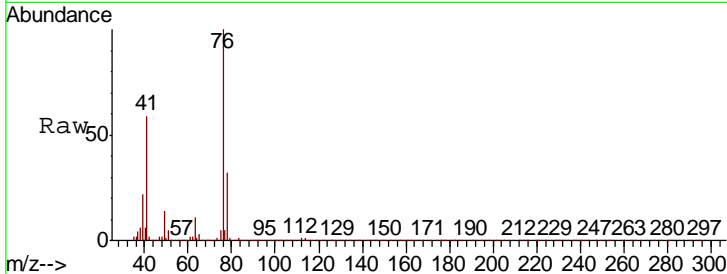
#57
 1,3-Dichloropropane
 Concen: 49.101 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
76	508519		
76	100		
78	32.2	25.8	38.6

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

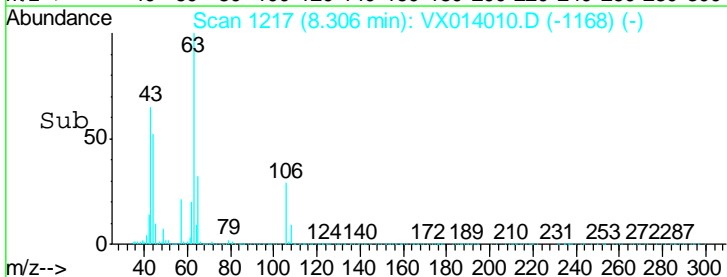
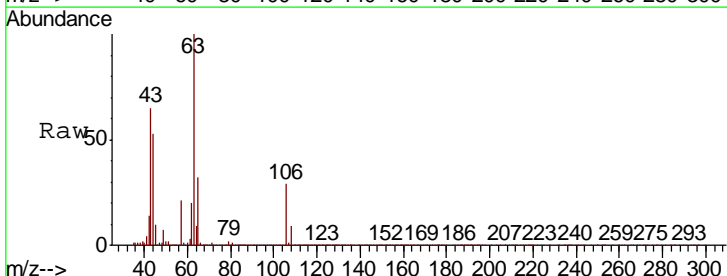
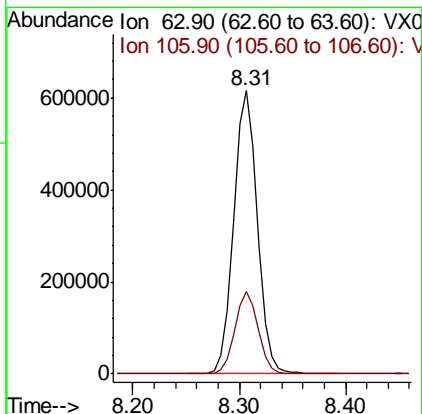
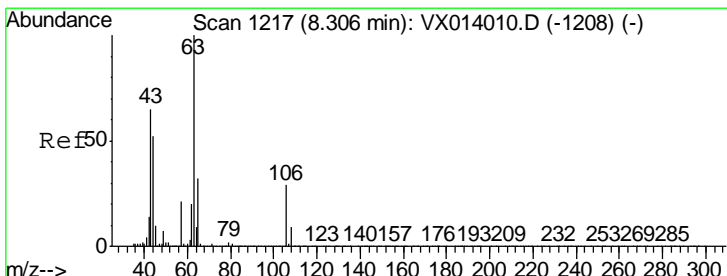
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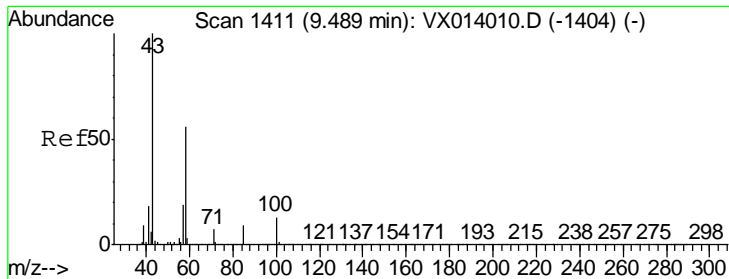
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#58
 2-Chloroethyl Vinyl ether
 Concen: 252.345 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
63	956017		
63	100		
106	28.8	23.0	34.6





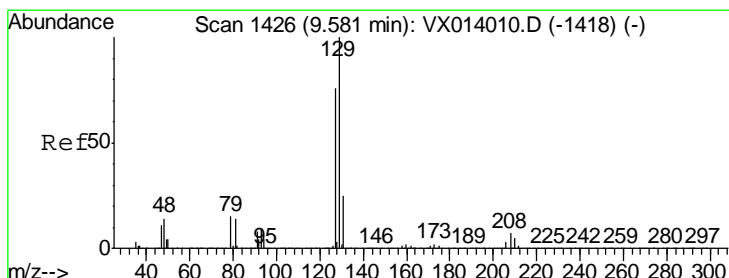
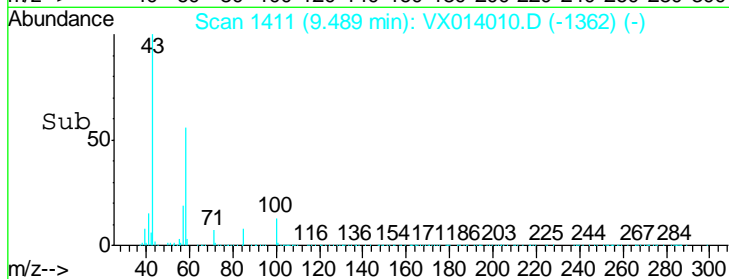
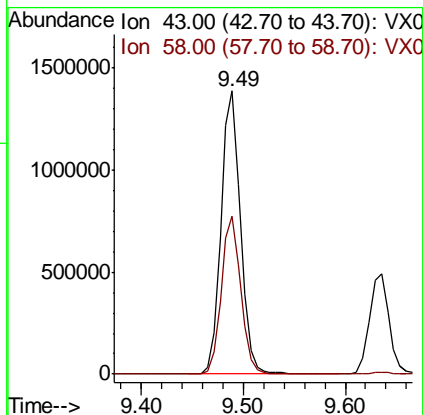
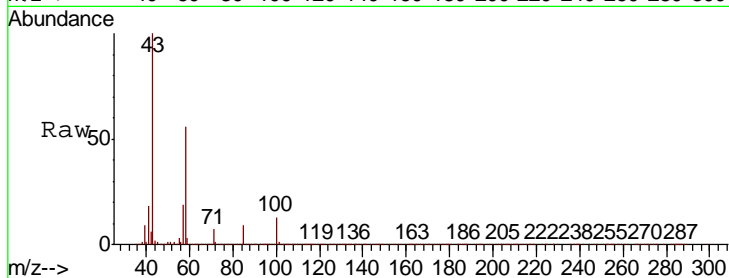
#59
 2-Hexanone
 Concen: 257.616 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.0	28.0	84.0

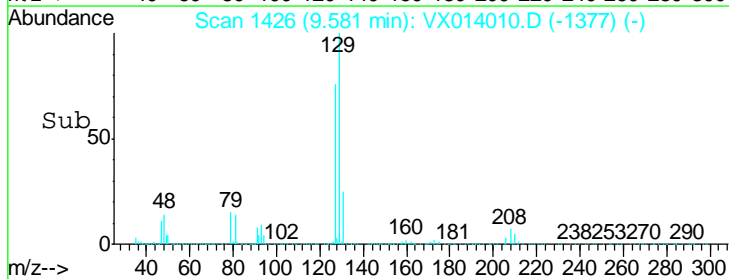
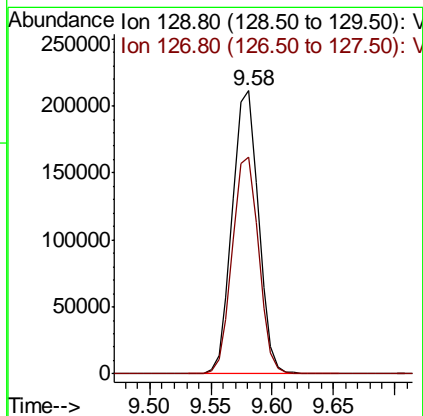
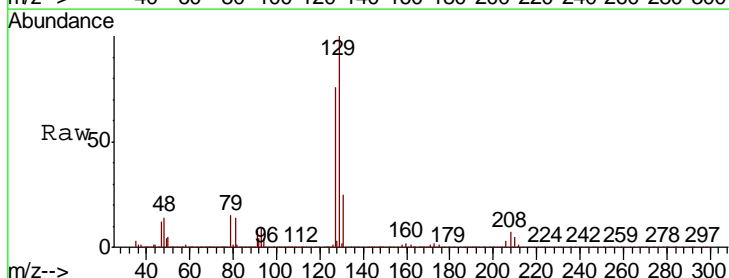
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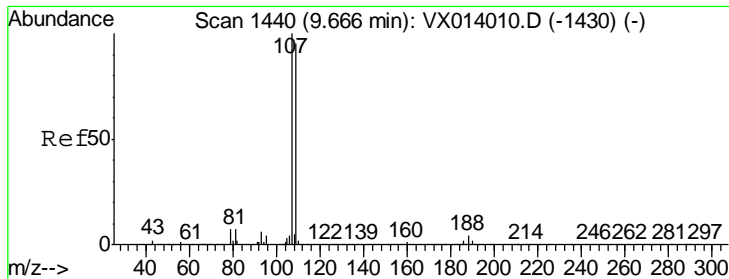
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#60
 Dibromochloromethane
 Concen: 50.359 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.8	38.4	115.2





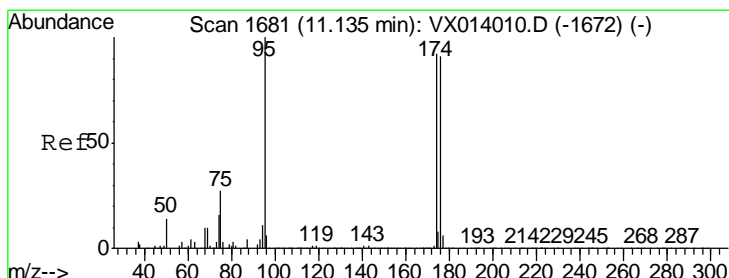
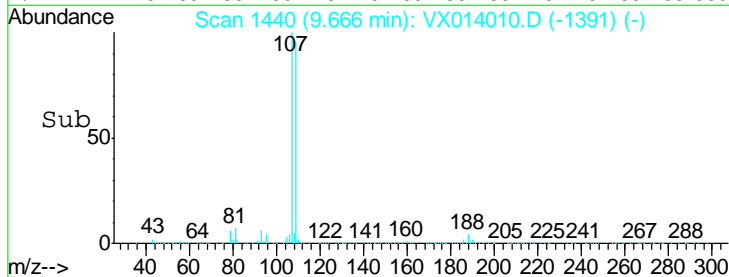
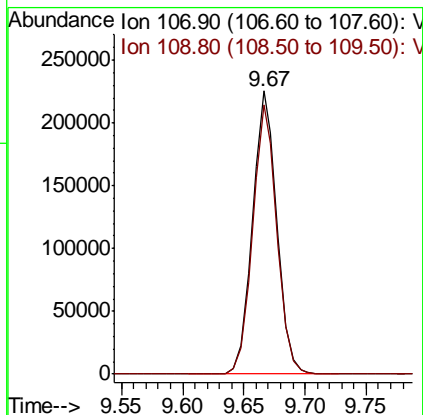
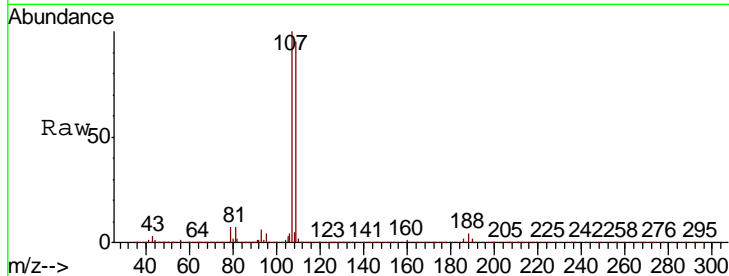
#61
 1,2-Dibromoethane
 Concen: 48.800 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
107	312389		
109	94.6	75.7	113.5

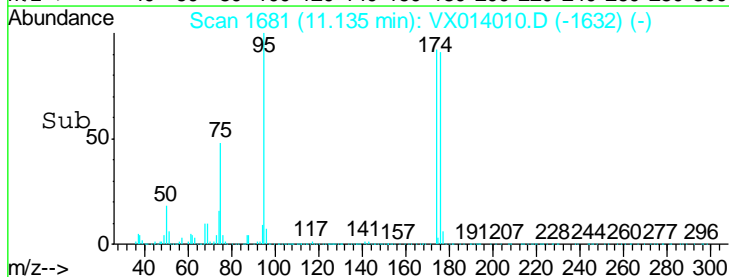
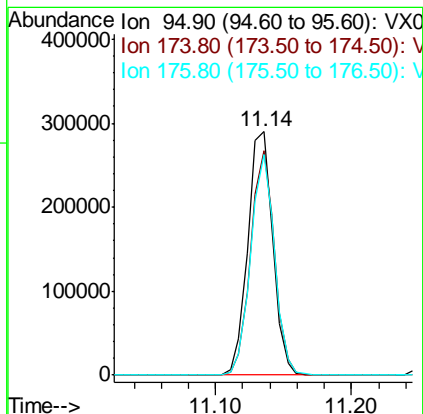
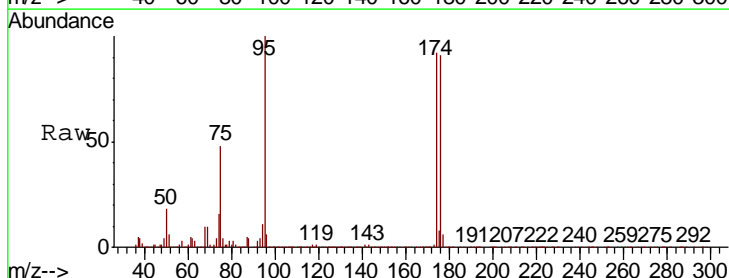
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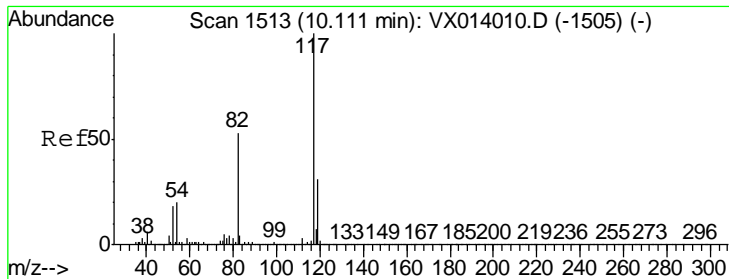
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#62
 4-Bromofluorobenzene
 Concen: 49.388 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
95	375236		
174	87.9	0.0	175.8
176	86.5	0.0	173.0





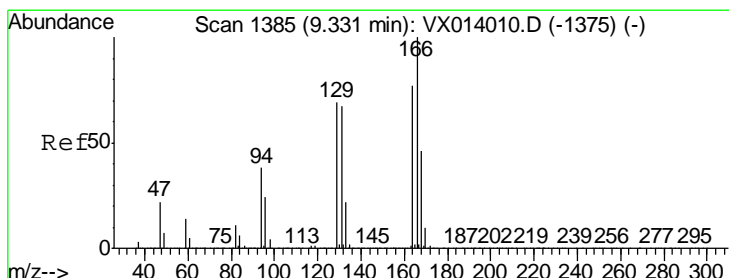
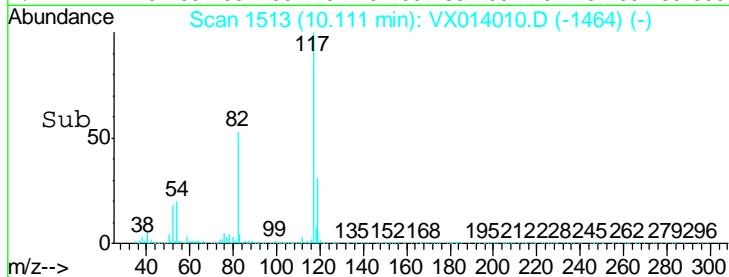
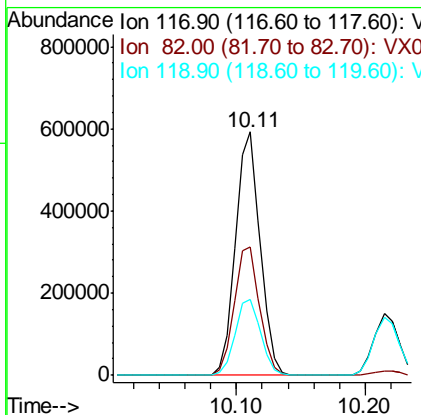
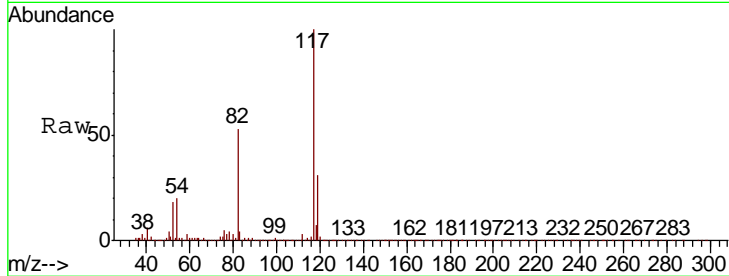
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	31.4	25.1	37.7

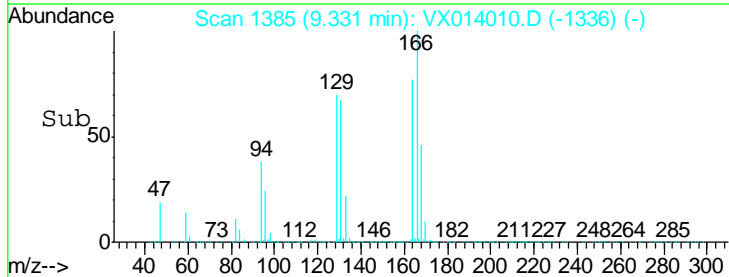
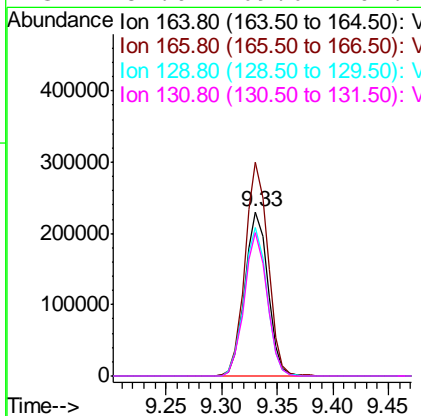
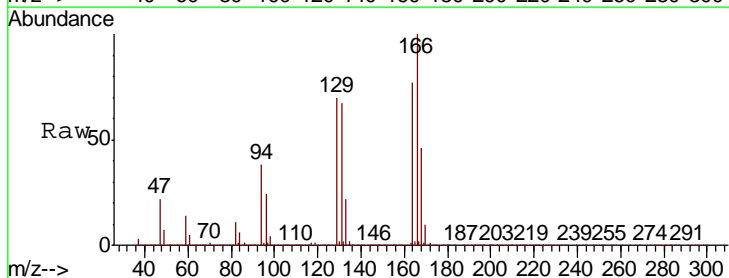
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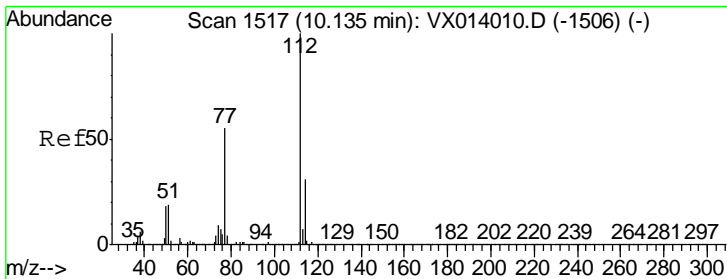
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#64
 Tetrachloroethene
 Concen: 54.910 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	90.3	72.2	108.4
131	87.0	69.6	104.4



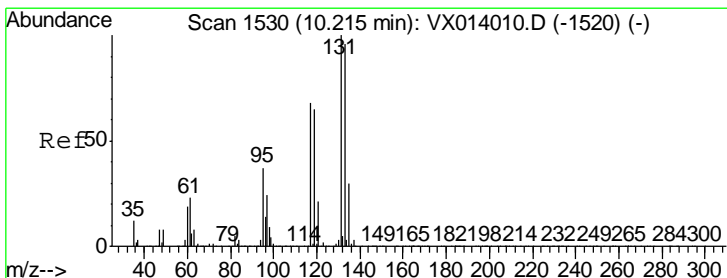
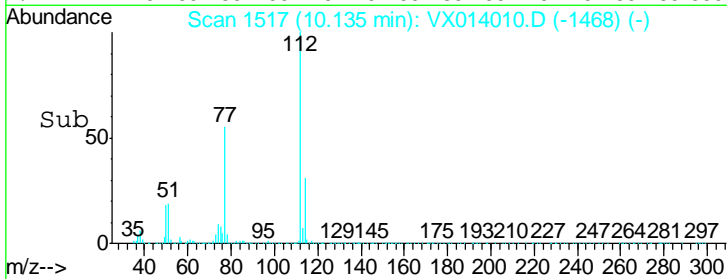
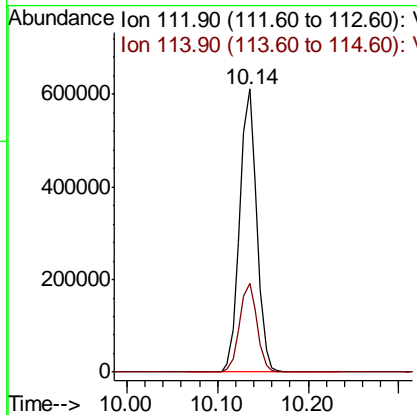
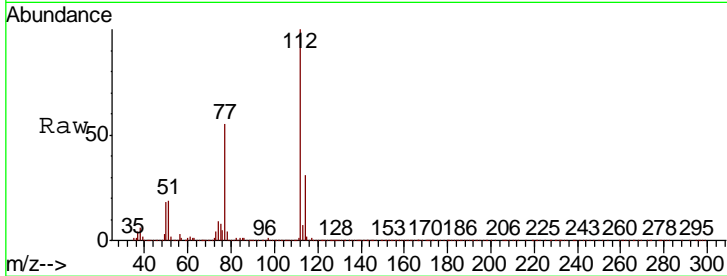


#65
 Chlorobenzene
 Concen: 48.656 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

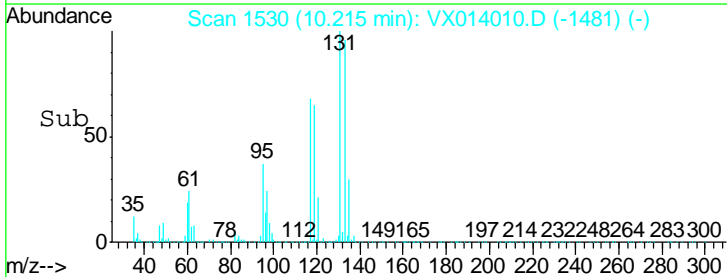
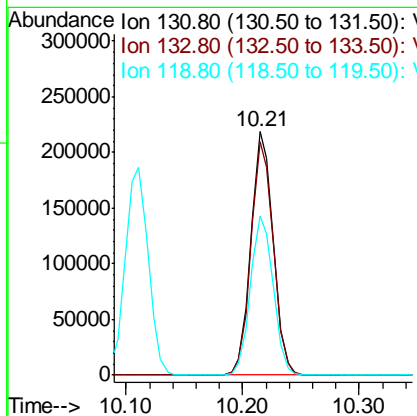
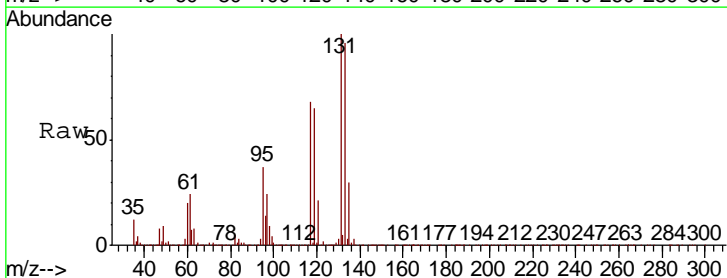
Tgt Ion	Resp	Lower	Upper
112	798960		
114	31.1	24.9	37.3

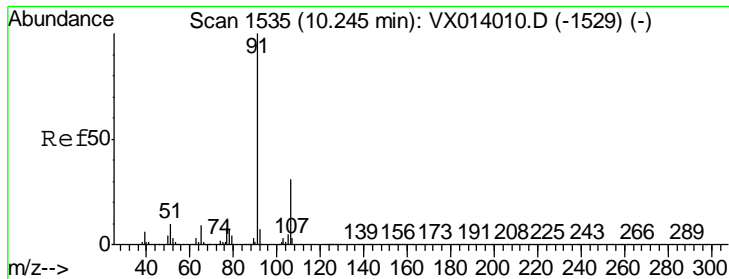
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.771 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
131	292635		
133	96.0	48.0	144.0
119	66.8	33.4	100.2





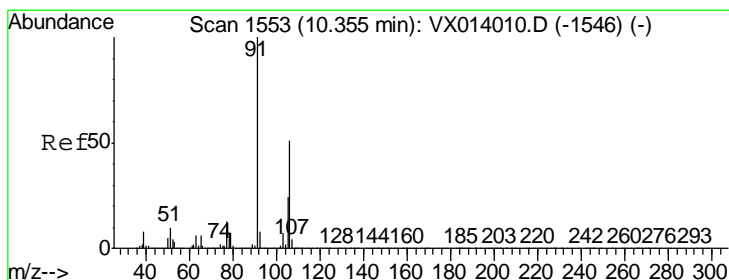
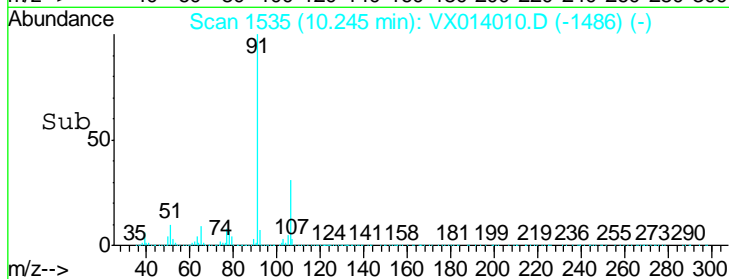
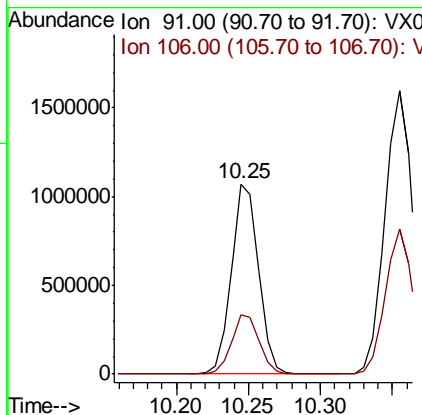
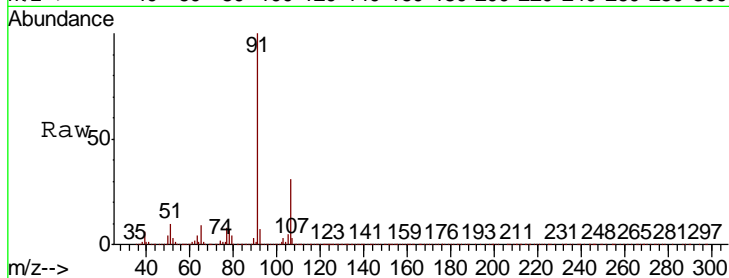
#67
Ethyl Benzene
Concen: 50.472 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014010.D
Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.3	25.0	37.6

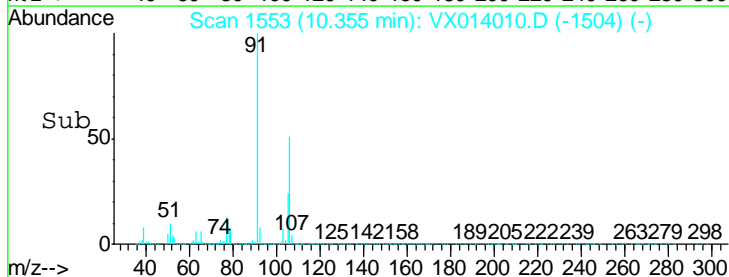
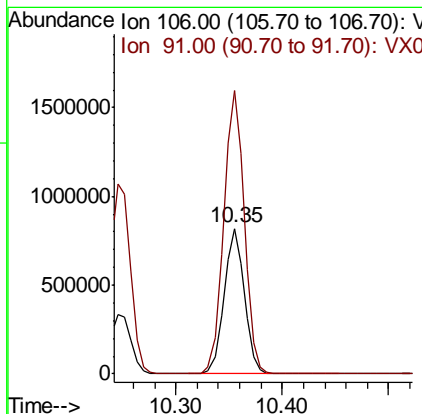
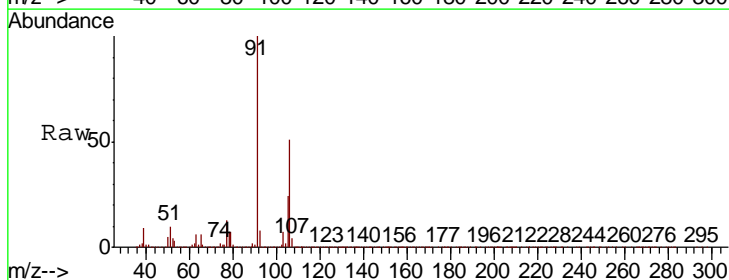
Manual Integrations
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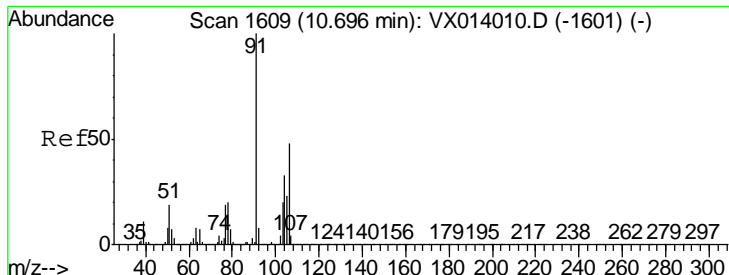
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#68
m/p-Xylenes
Concen: 100.328 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014010.D
Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
106	100		
91	198.3	158.6	238.0





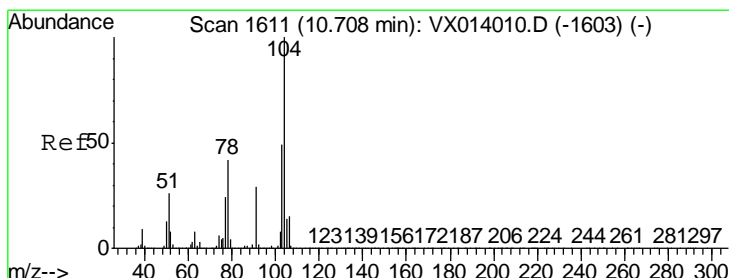
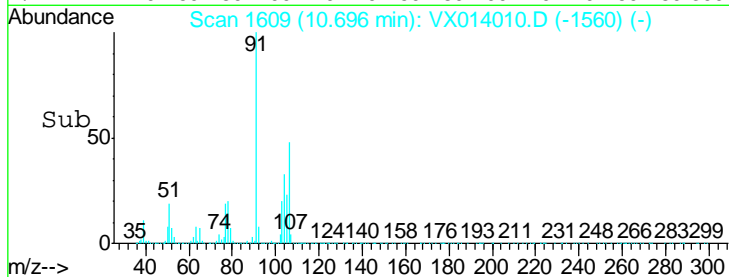
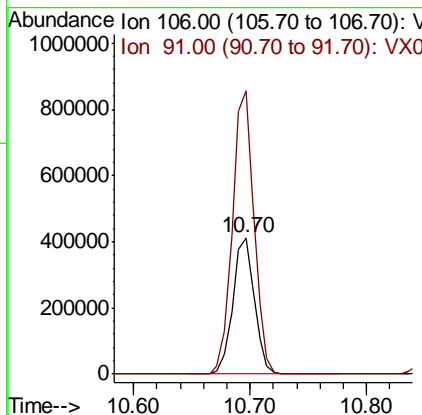
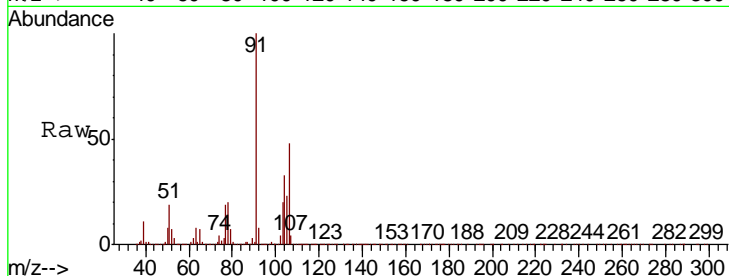
#69
 o-Xylene
 Concen: 50.474 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
106	531881		
106	100		
91	208.4	104.2	312.6

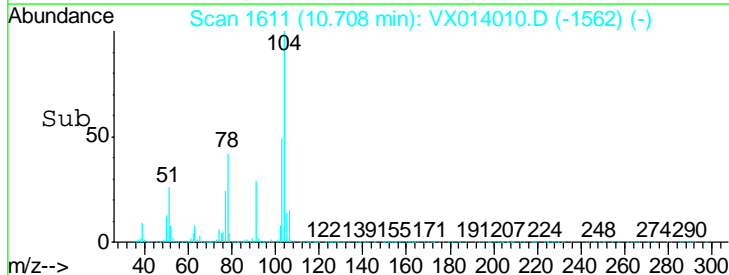
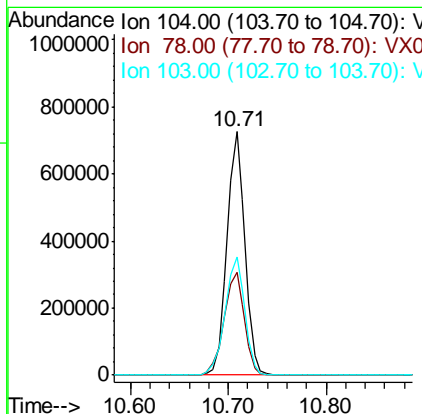
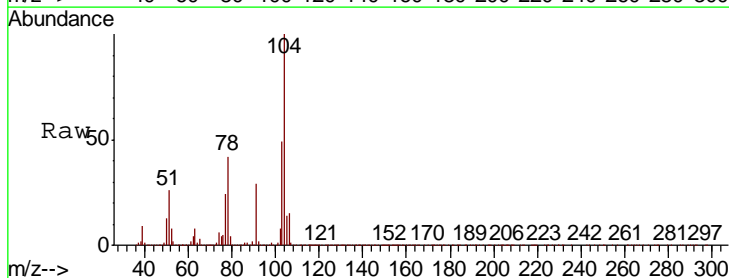
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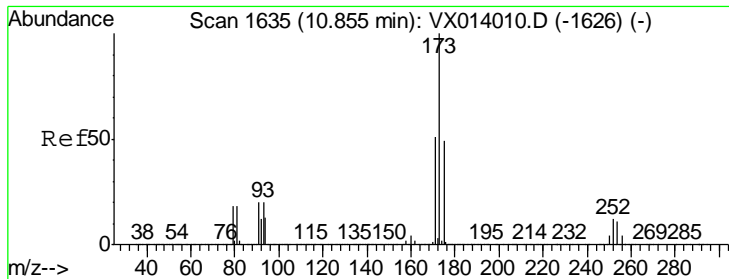
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#70
 Styrene
 Concen: 51.850 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
104	921756		
104	100		
78	48.1	38.5	57.7
103	53.6	42.9	64.3





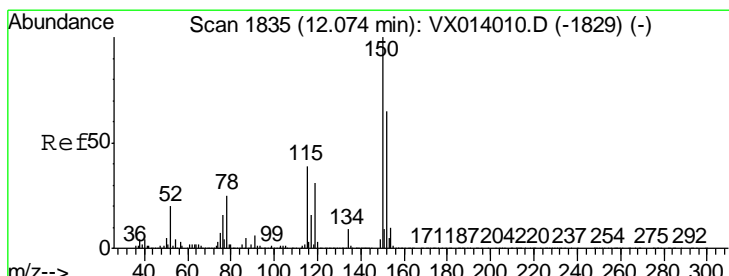
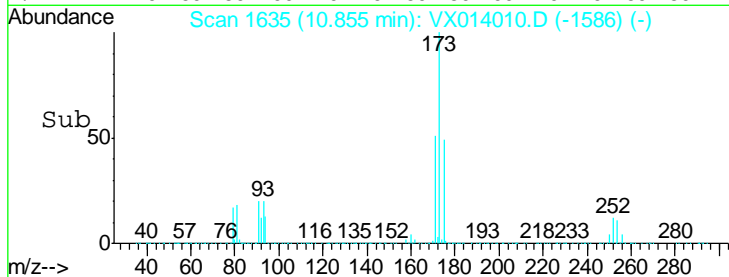
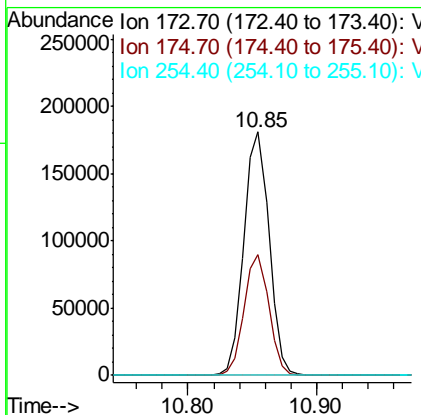
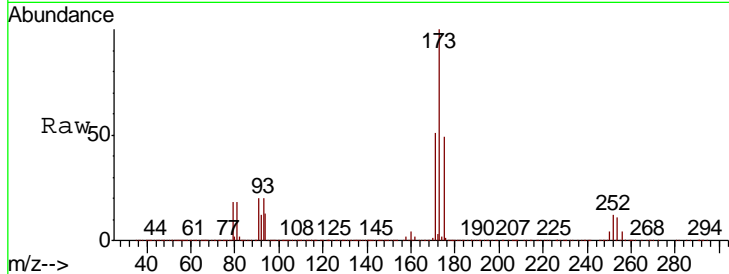
#71
 Bromoform
 Concen: 50.316 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.2	0.2	0.2

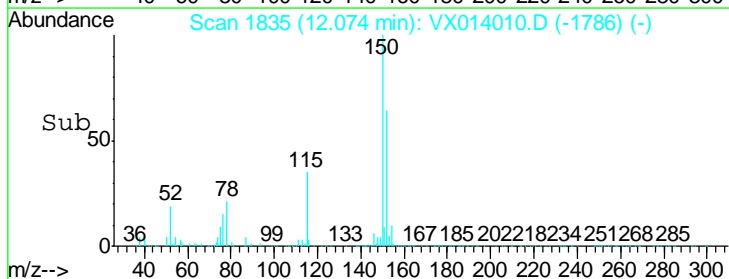
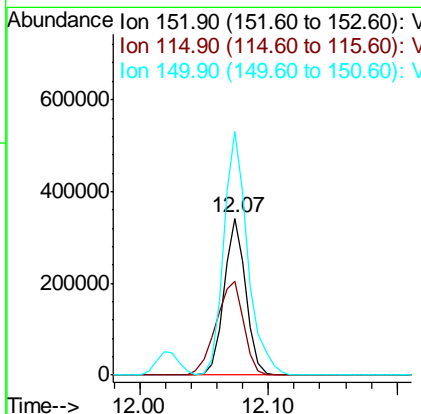
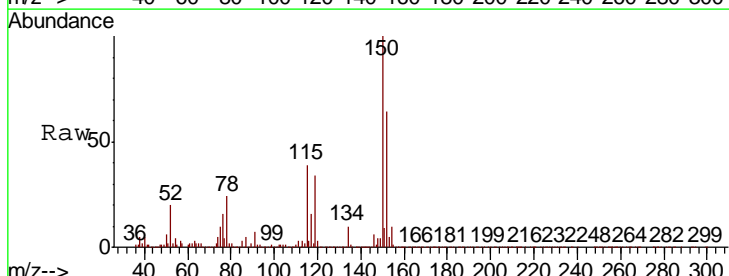
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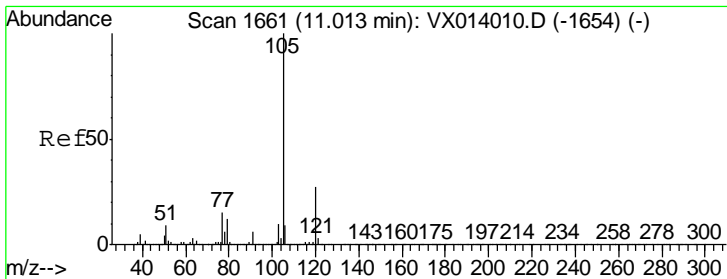
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
152	100		
115	76.6	38.3	114.9
150	172.7	0.0	345.4





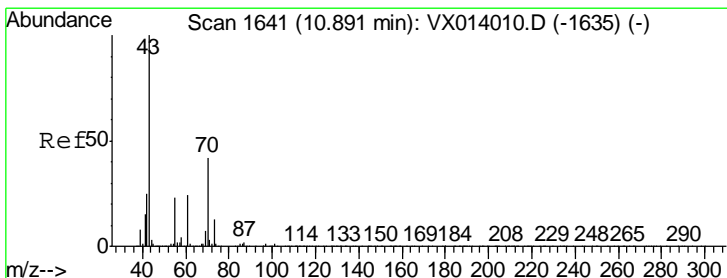
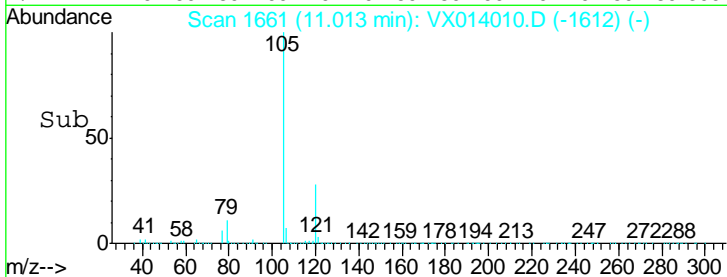
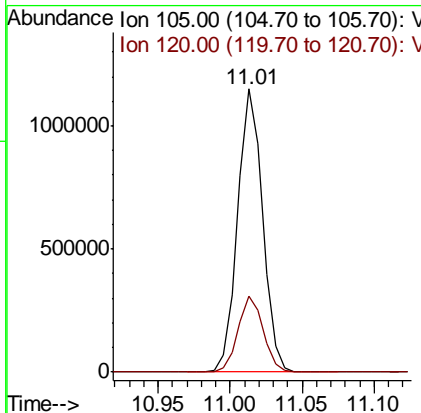
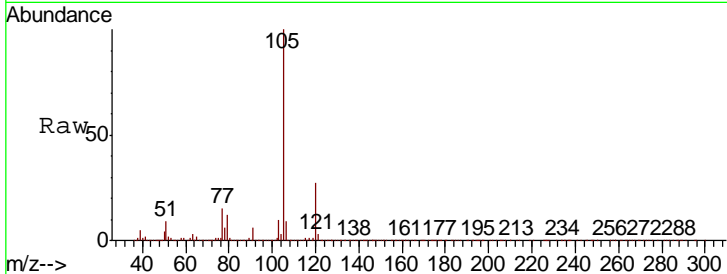
#73
 Isopropylbenzene
 Concen: 49.413 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	1389605		
120	26.9	13.5	40.4

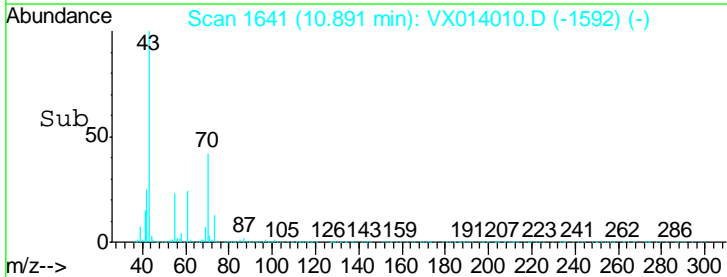
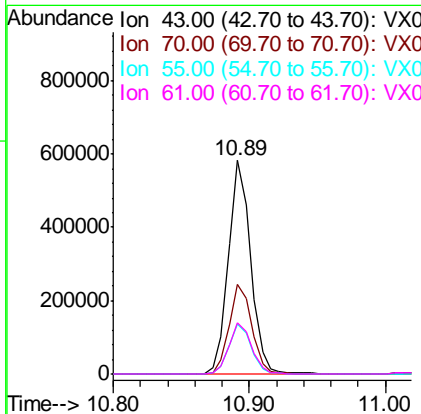
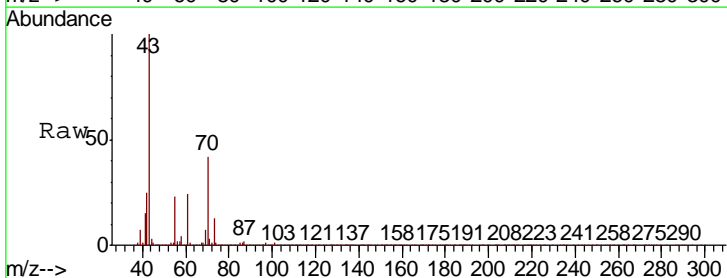
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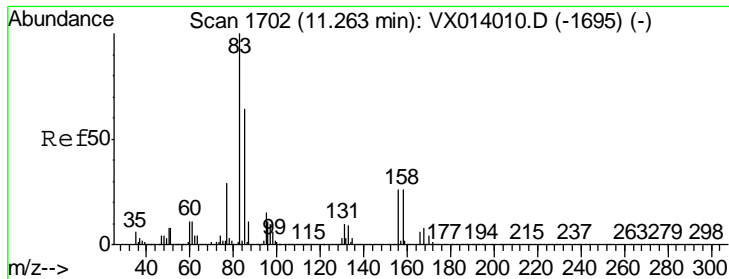
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#74
 N-aryl acetate
 Concen: 51.492 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
43	663341		
70	43.0	34.4	51.6
55	23.9	19.1	28.7
61	24.6	19.7	29.5





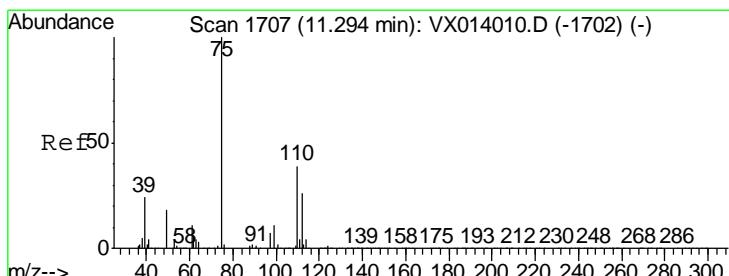
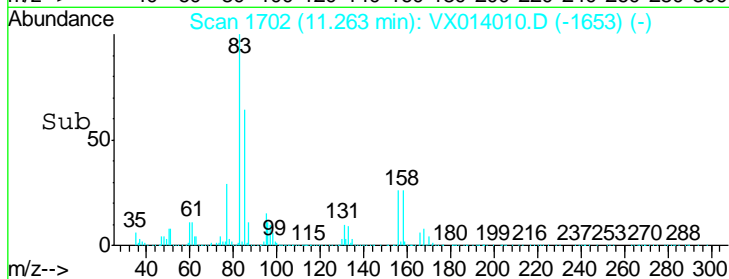
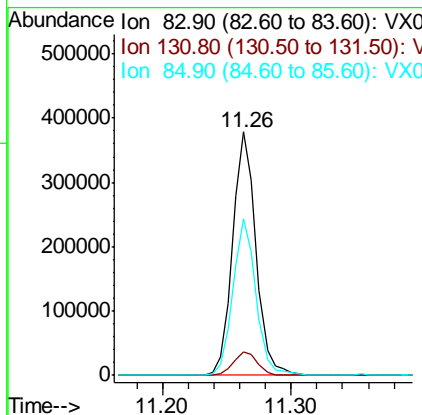
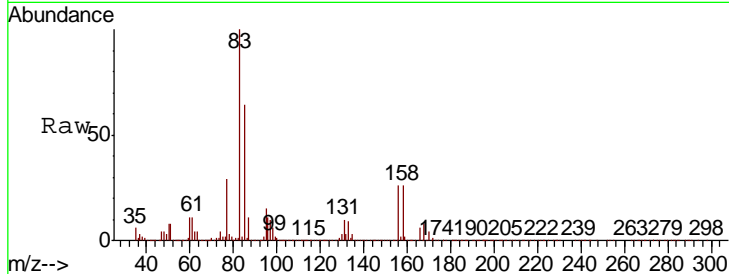
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.097 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	478051		
131	10.1	5.1	15.2
85	63.8	31.9	95.7

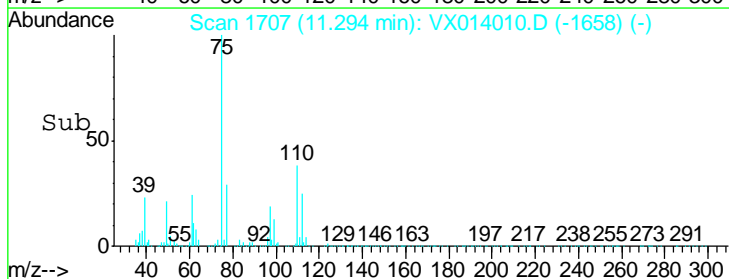
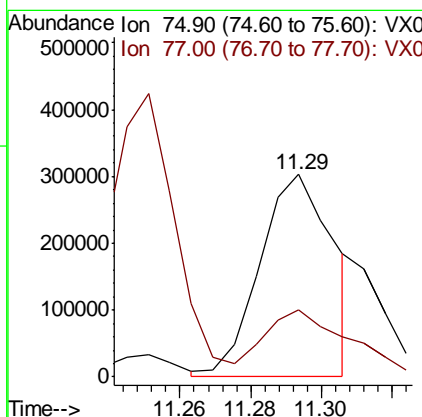
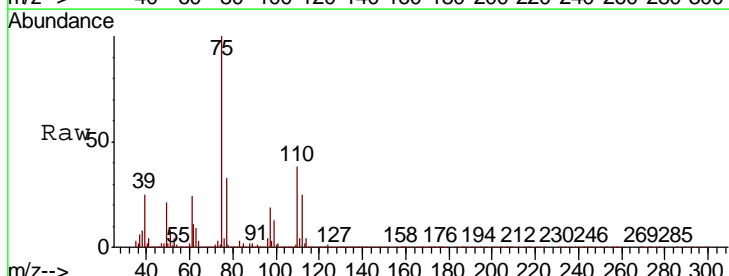
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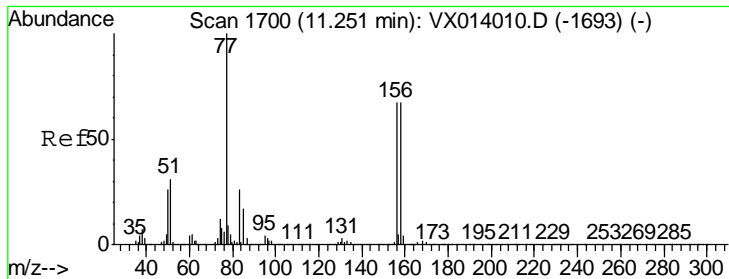
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#76
 1,2,3-Trichloropropane
 Concen: 49.048 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
75	439820		
77	38.5	19.3	57.8





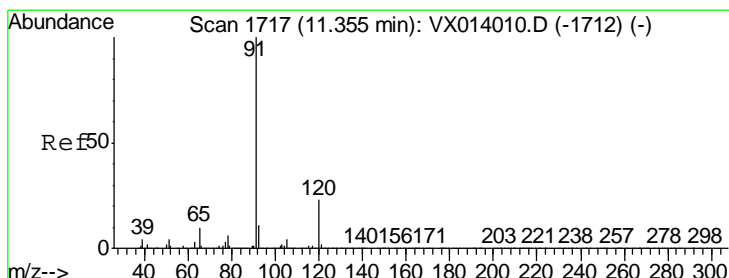
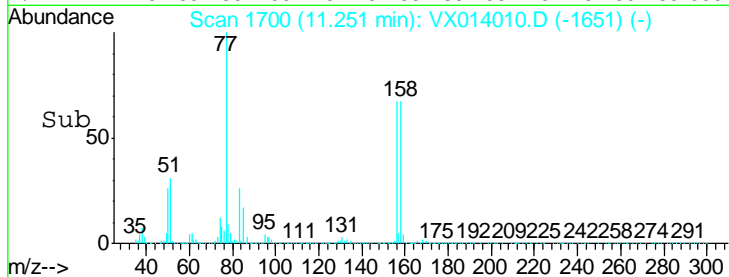
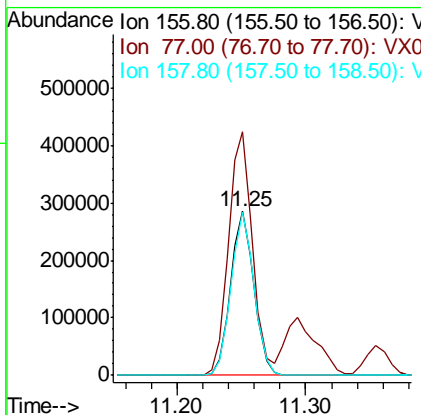
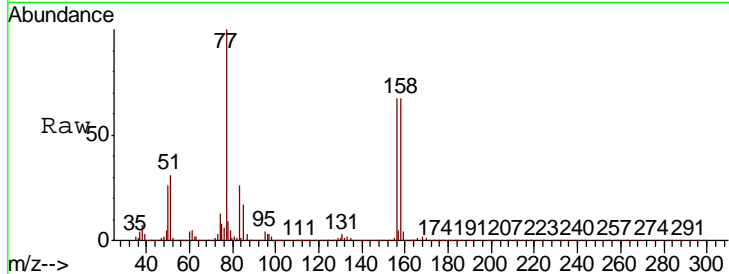
#77
 Bromobenzene
 Concen: 47.633 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
156	361064		
77	153.0	76.5	229.5
158	98.6	49.3	147.9

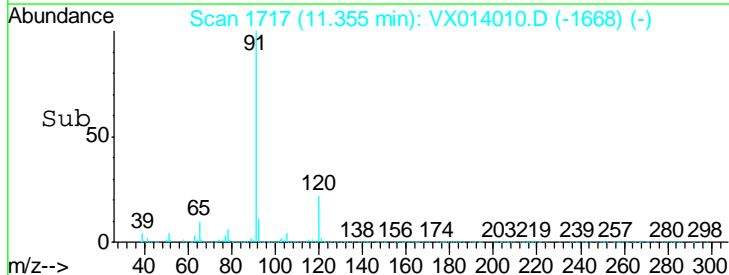
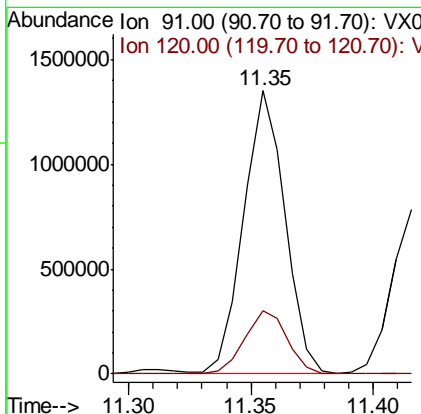
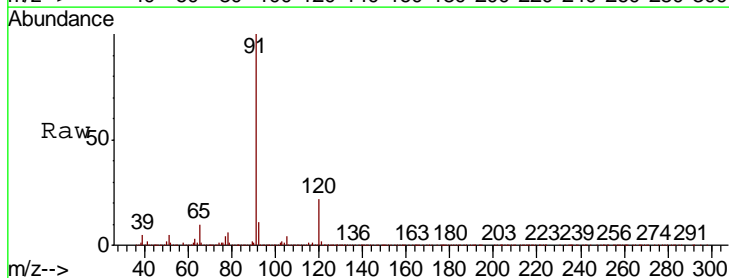
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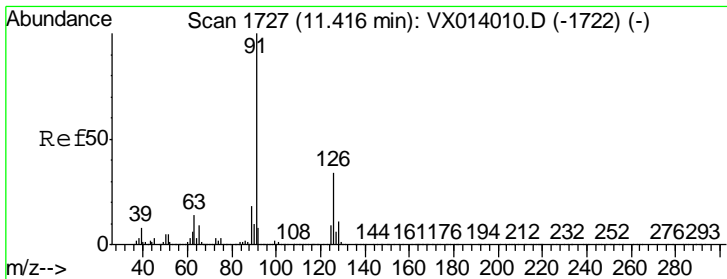
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#78
 n-propylbenzene
 Concen: 50.464 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
91	1586913		
120	23.3	11.7	35.0





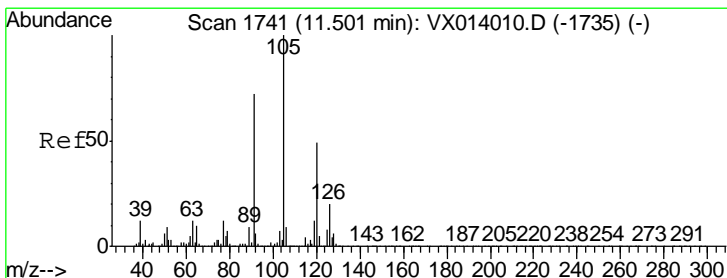
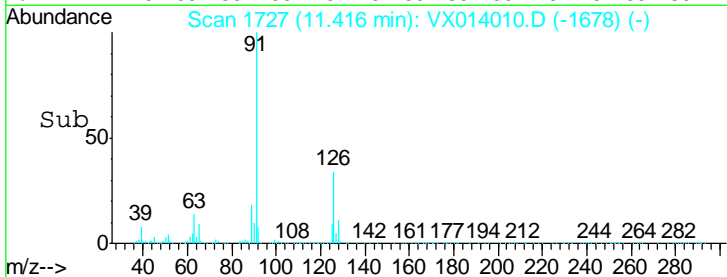
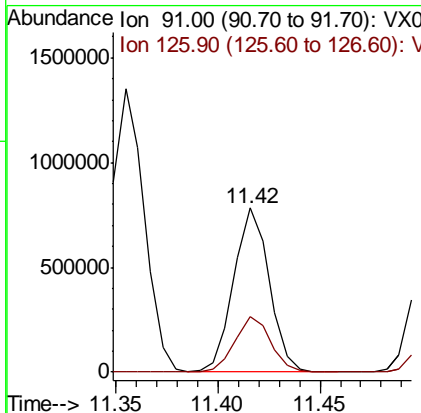
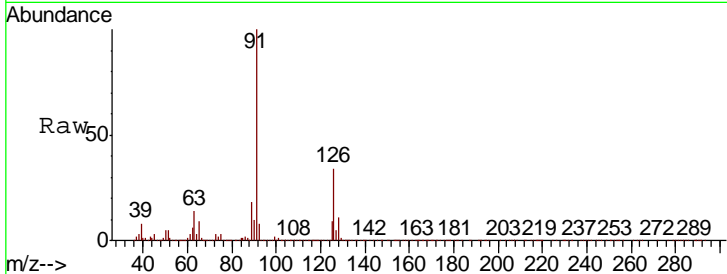
#79
 2-Chlorotoluene
 Concen: 49.949 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.4	17.2	51.6

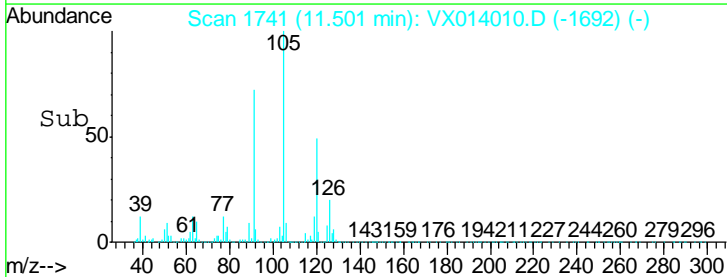
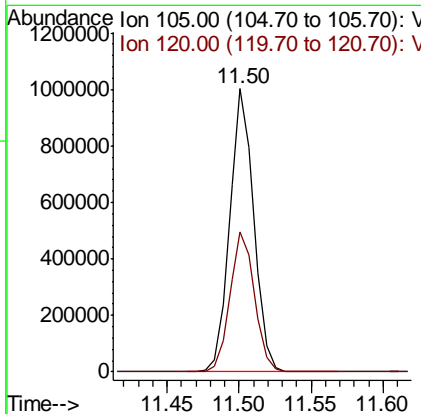
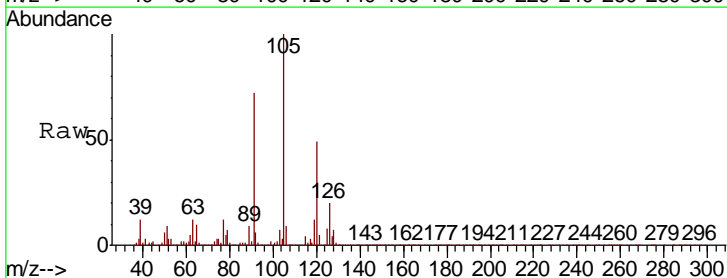
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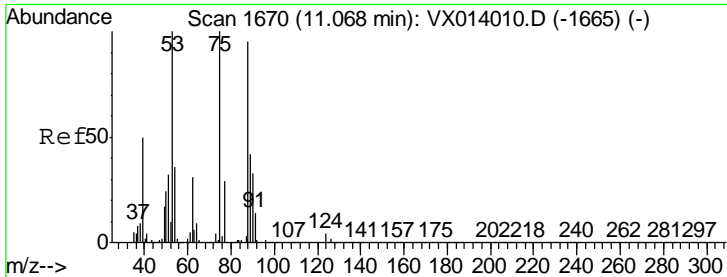
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.706 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.5	25.3	75.8





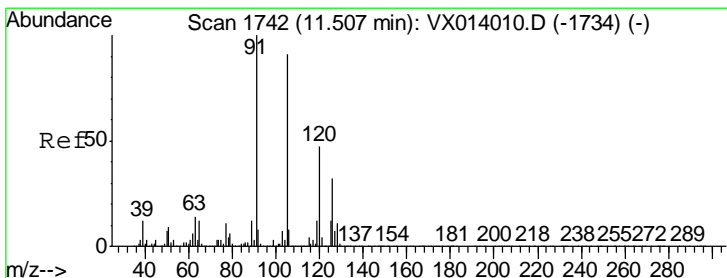
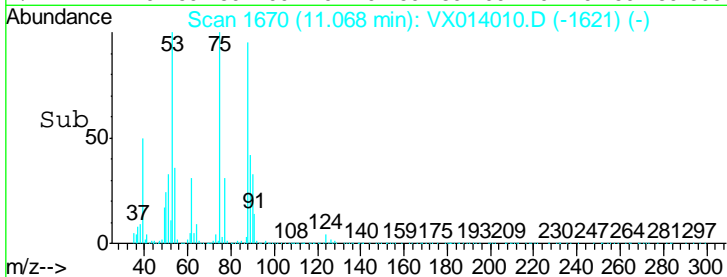
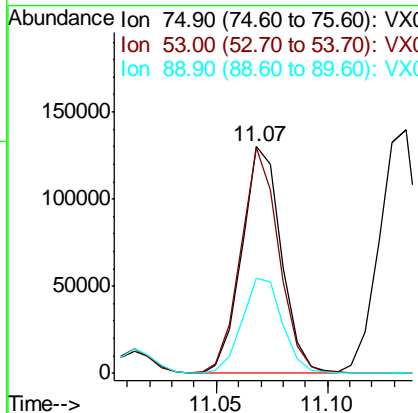
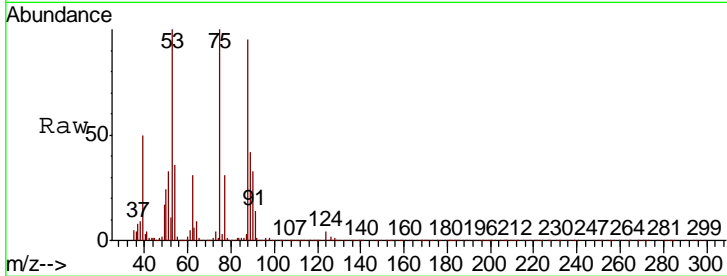
#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.082 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	160555		
75	100		
53	95.9	76.7	115.1
89	43.2	34.6	51.8

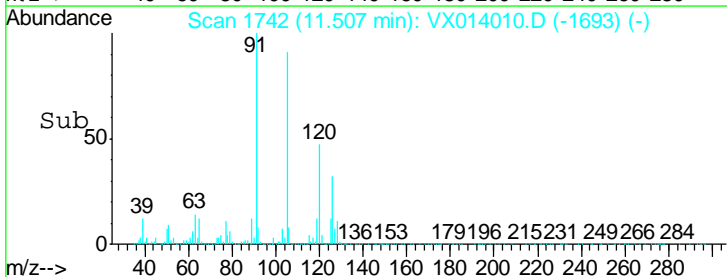
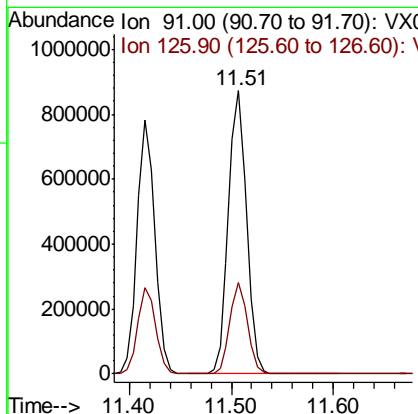
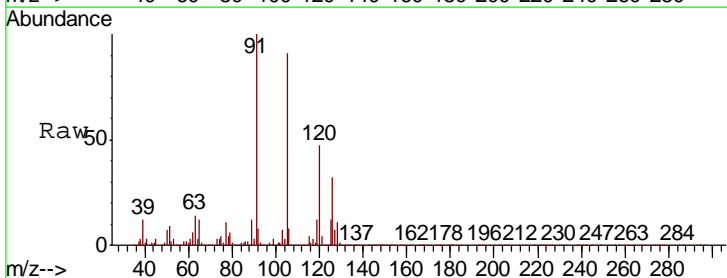
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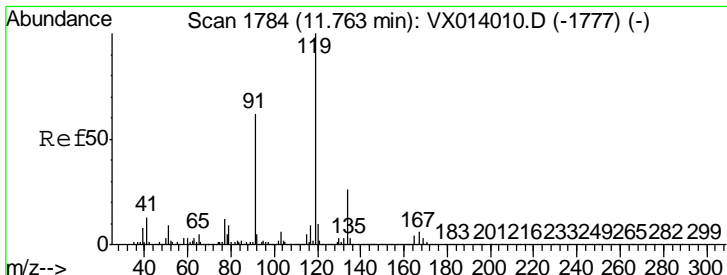
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#82
 4-Chlorotoluene
 Concen: 49.267 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
91	1076188		
91	100		
126	31.2	15.6	46.8





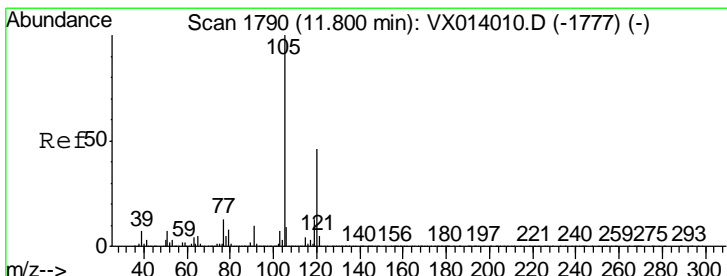
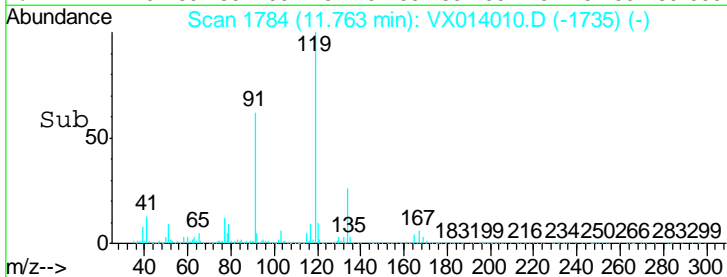
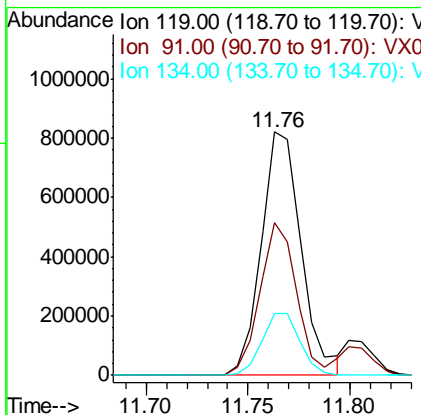
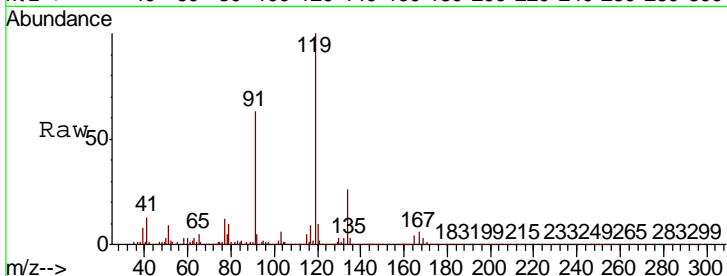
#83
 tert-Butylbenzene
 Concen: 48.252 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
119	1123694		
91	57.1	28.5	85.6
134	24.4	12.2	36.6

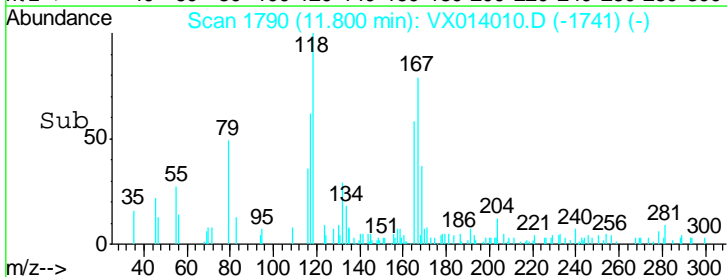
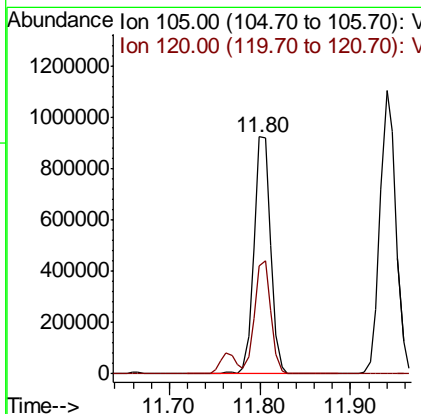
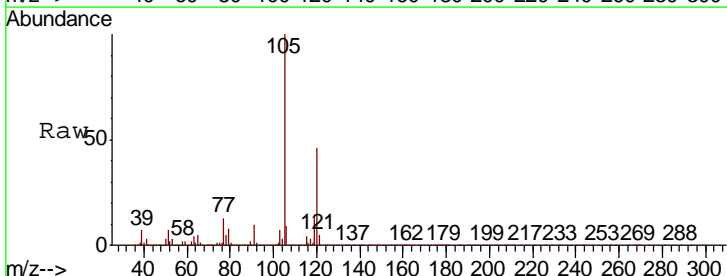
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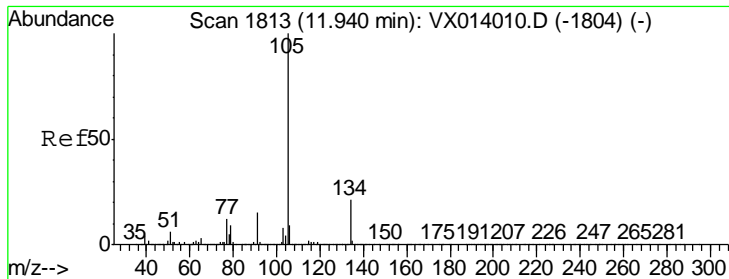
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.210 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
105	1177071		
120	46.1	23.1	69.2





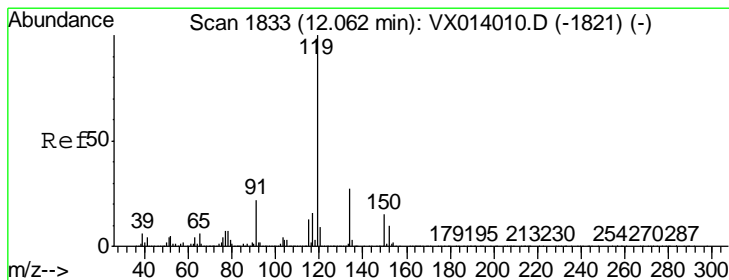
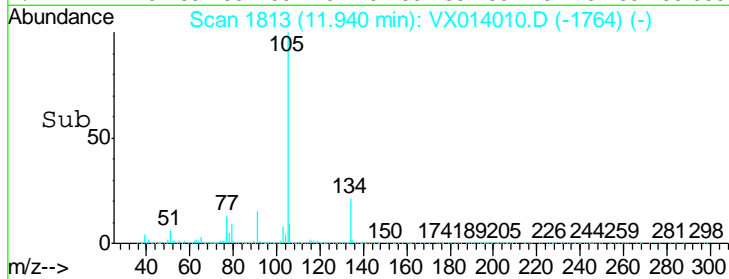
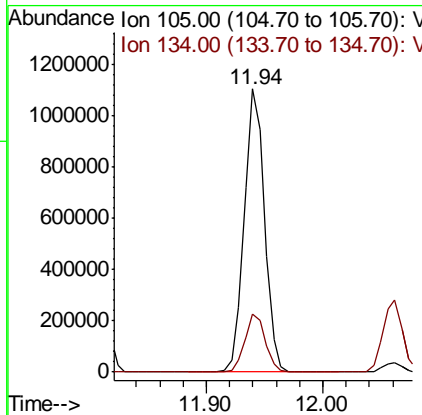
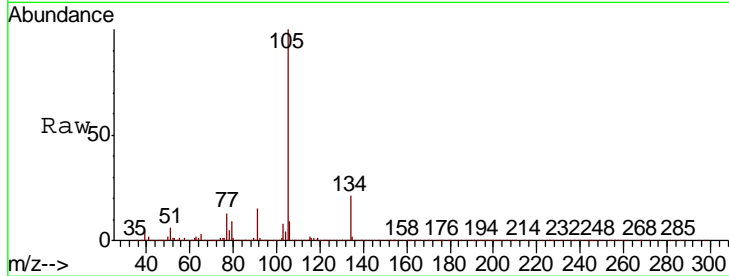
#85
 sec-Butylbenzene
 Concen: 50.312 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	1348388		
134	20.7	10.4	31.1

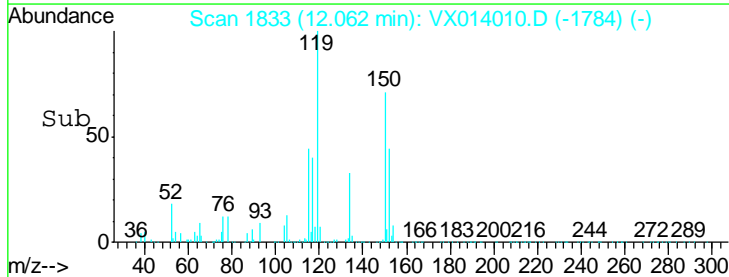
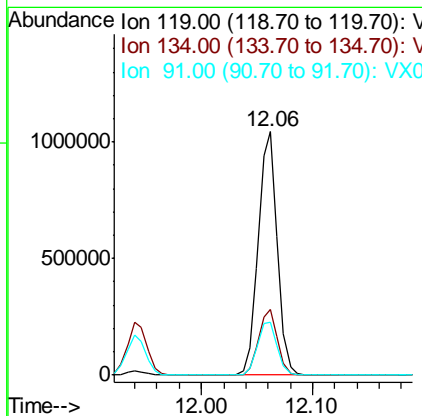
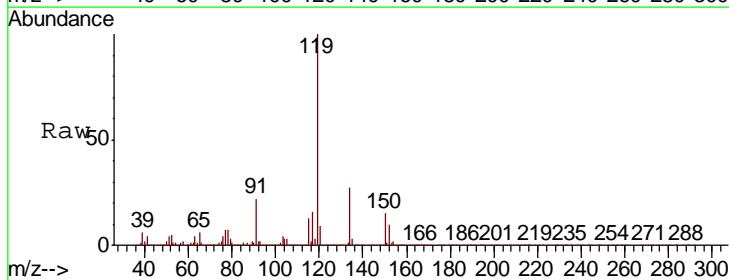
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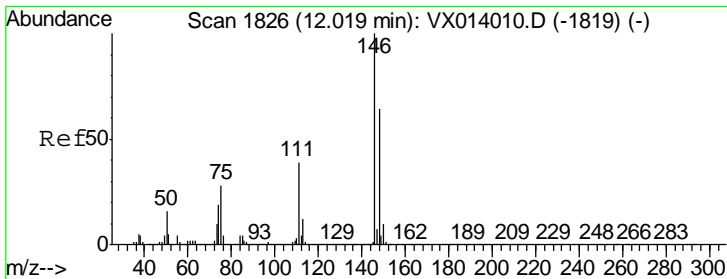
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#86
 p-Isopropyltoluene
 Concen: 49.880 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
119	1241776		
134	26.7	13.4	40.1
91	22.7	11.4	34.1





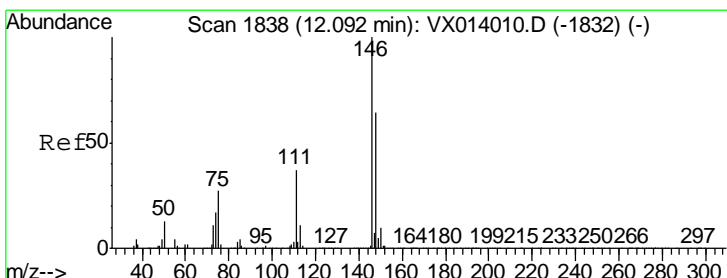
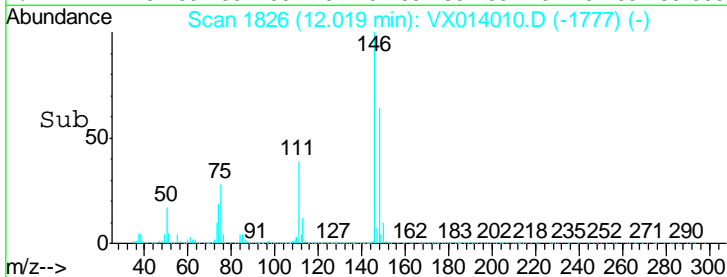
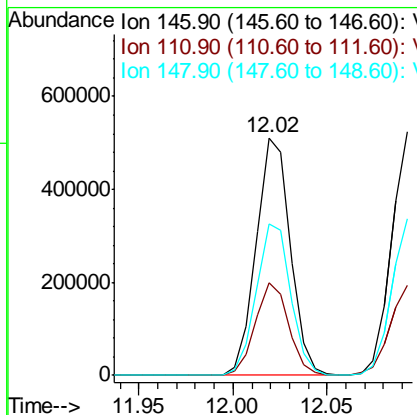
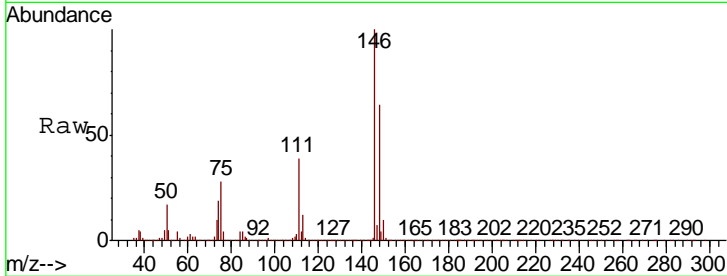
#87
 1,3-Dichlorobenzene
 Concen: 48.436 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	641266		
111	38.1	19.1	57.1
148	64.6	32.3	96.9

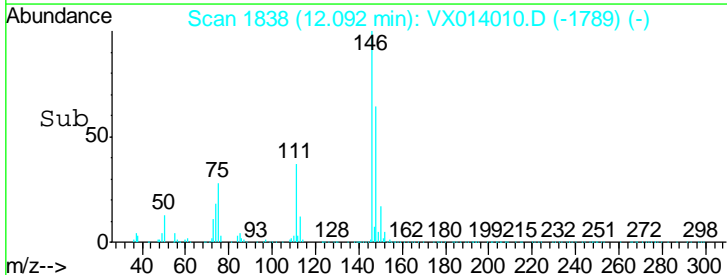
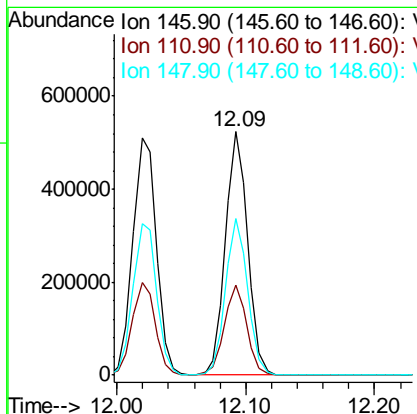
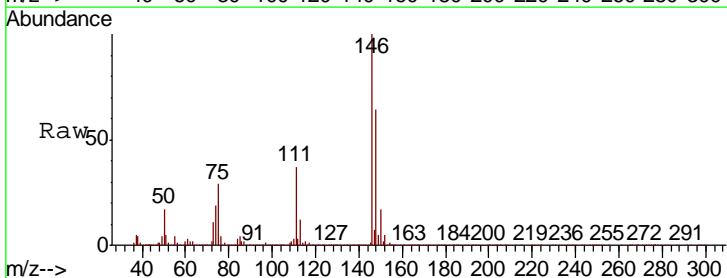
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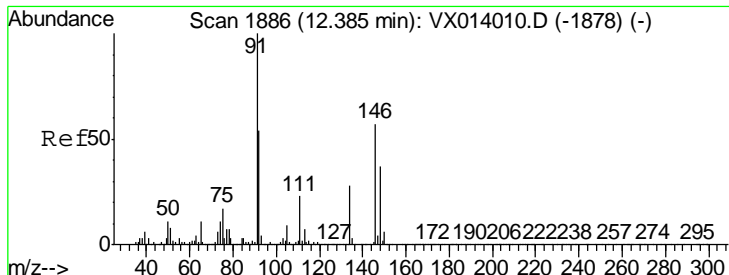
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#88
 1,4-Dichlorobenzene
 Concen: 47.289 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
146	638601		
111	37.4	18.7	56.1
148	63.9	31.9	95.9





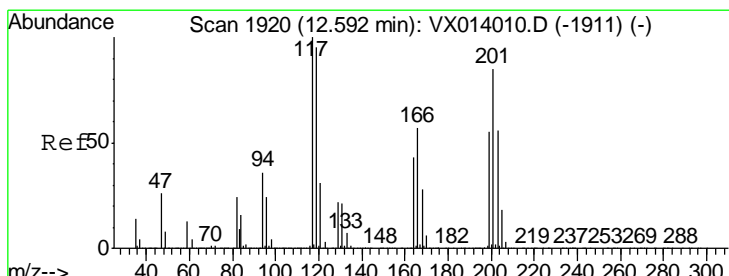
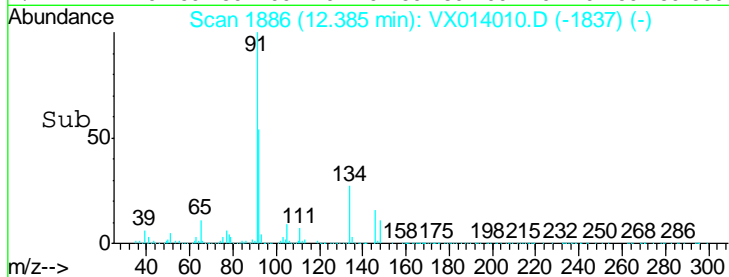
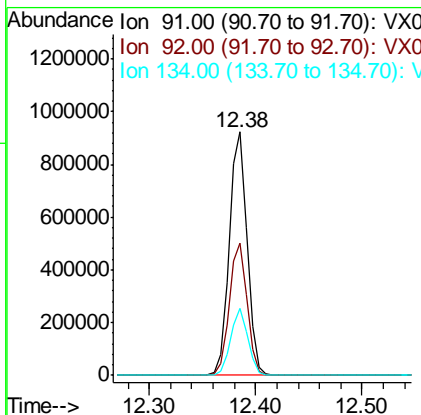
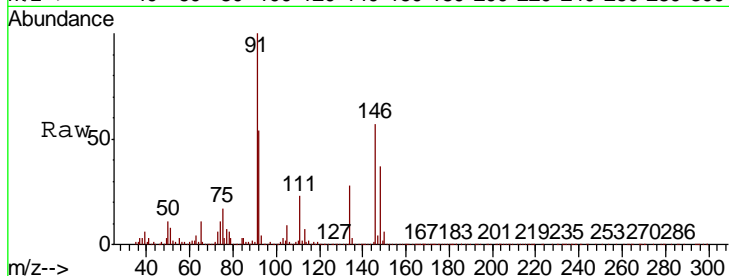
#89
 n-Butylbenzene
 Concen: 50.778 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	1079551		
92	54.4	27.2	81.6
134	26.7	13.4	40.1

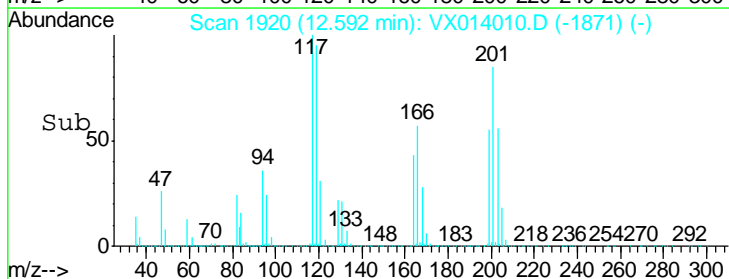
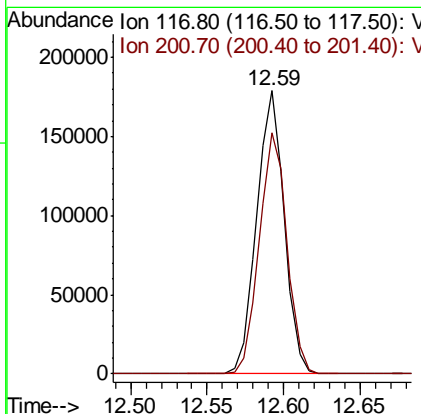
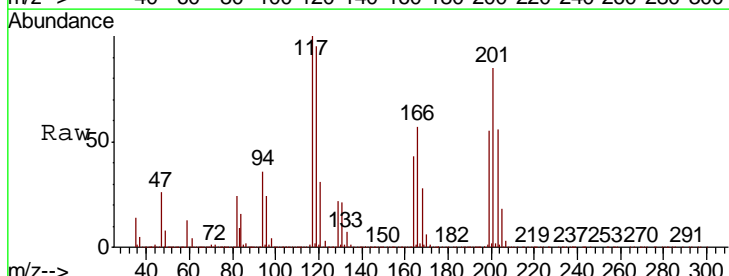
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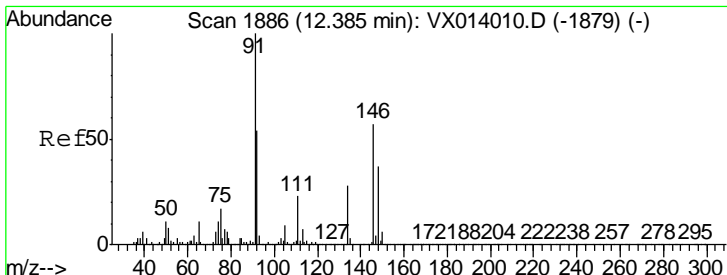
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#90
 Hexachloroethane
 Concen: 49.677 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
117	224173		
201	86.2	43.1	129.3





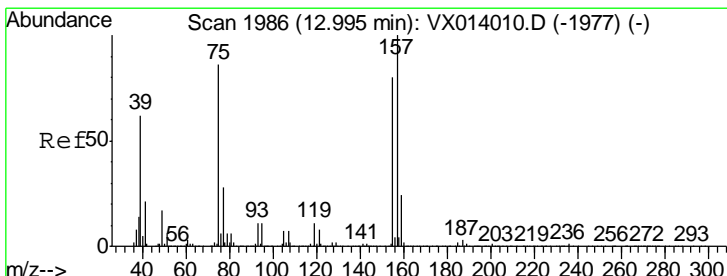
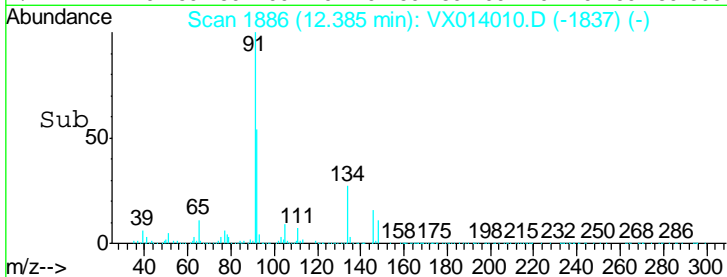
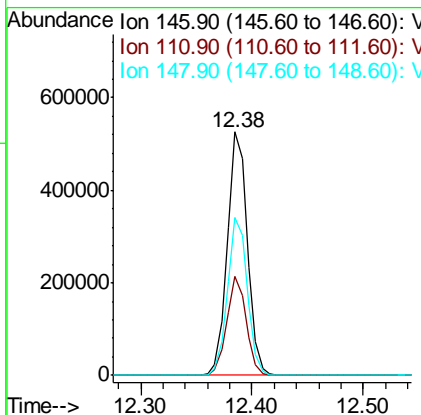
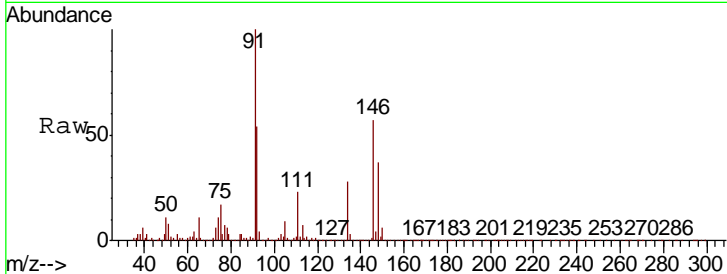
#91
 1,2-Dichlorobenzene
 Concen: 49.657 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	651551		
146	100		
111	39.4	19.7	59.1
148	64.3	32.1	96.5

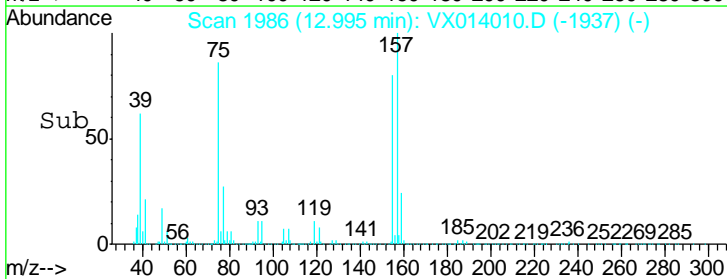
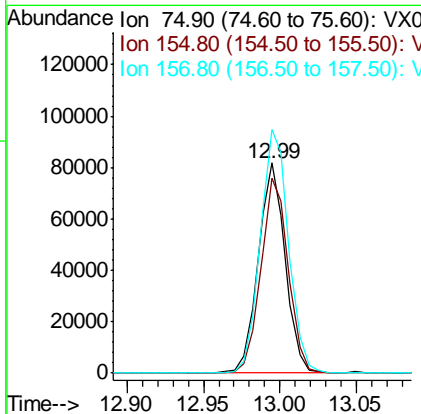
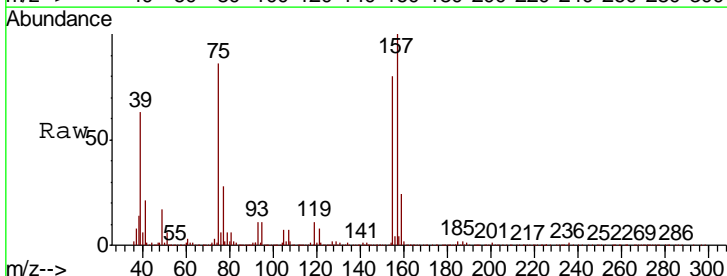
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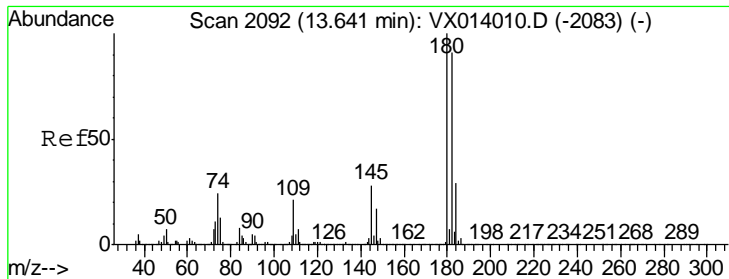
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.047 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

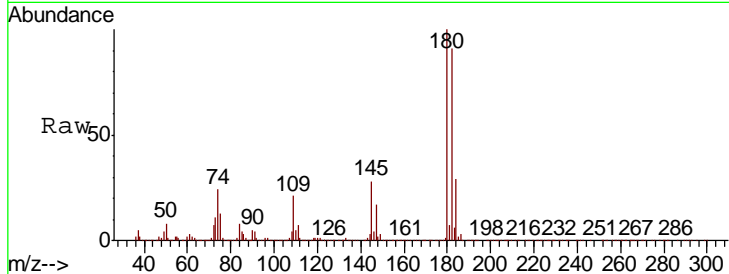
Tgt Ion	Resp	Lower	Upper
75	100882		
75	100		
155	93.7	46.9	140.6
157	121.6	60.8	182.4





#93
 1,2,4-Trichlorobenzene
 Concen: 47.539 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

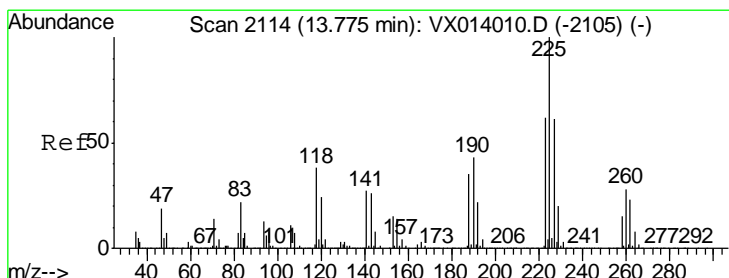
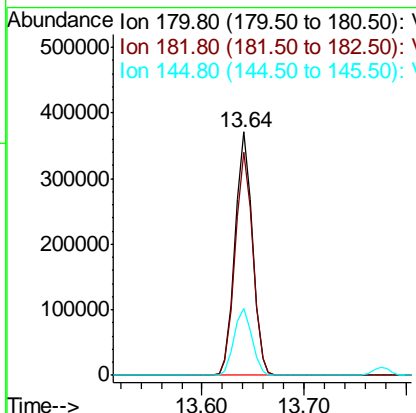
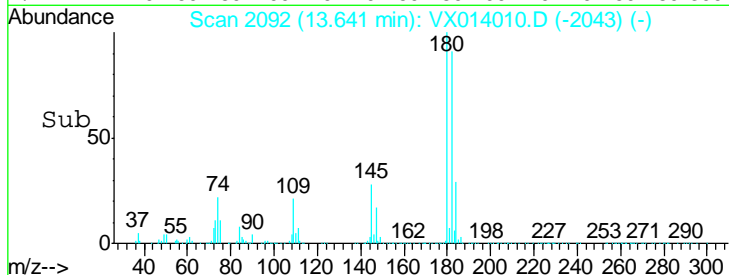
Instrument : MSVOA_X
 Client Sampled : VSTDICCC050



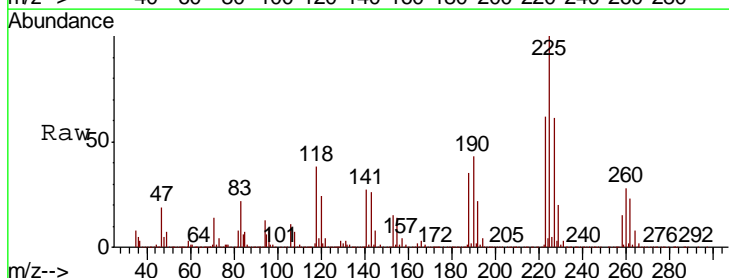
Tgt Ion	Resp	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	28.4	14.2	42.6

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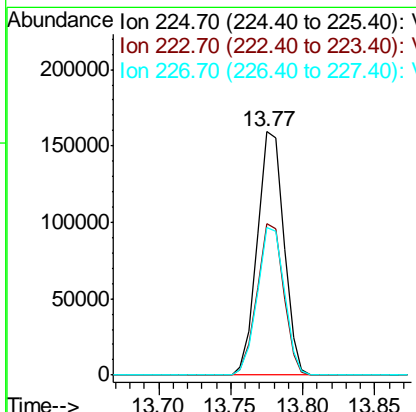
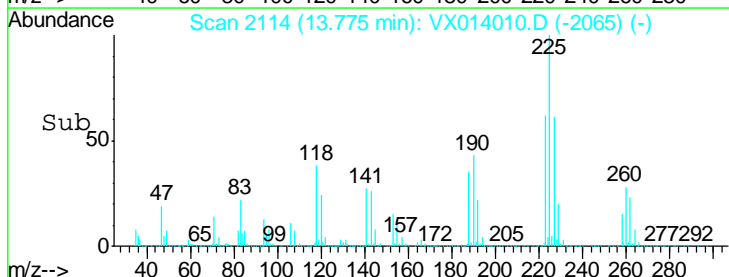
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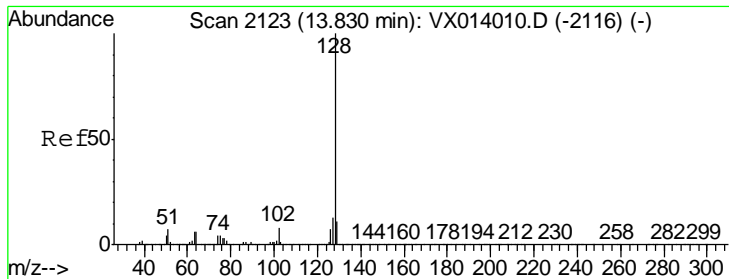


#94
 Hexachlorobutadiene
 Concen: 46.201 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59



Tgt Ion	Resp	Lower	Upper
225	100		
223	61.7	30.9	92.5
227	61.8	30.9	92.7





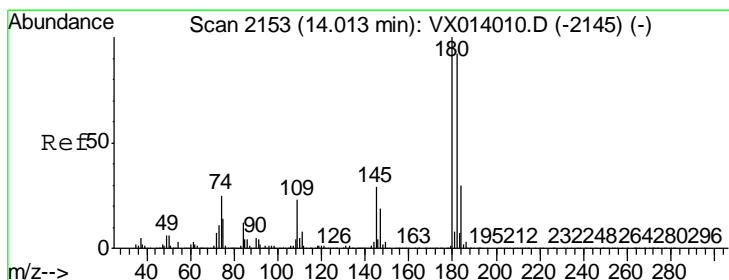
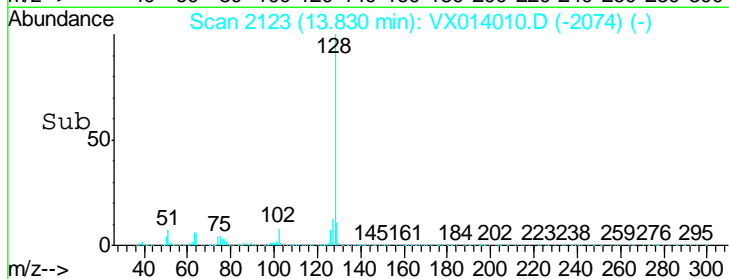
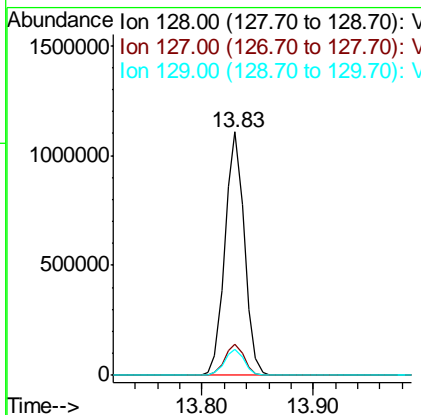
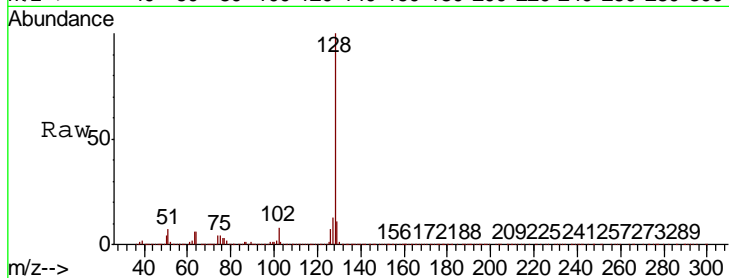
#95
 Naphthalene
 Concen: 49.348 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Instrument : MSVOA_X
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
128	1328512		
127	12.8	10.2	15.4
129	10.9	8.7	13.1

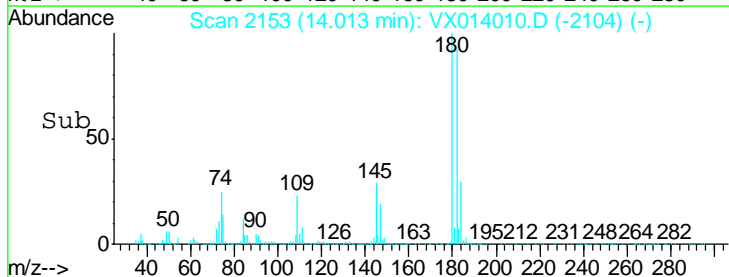
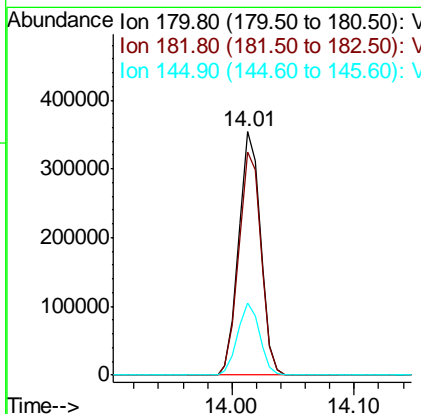
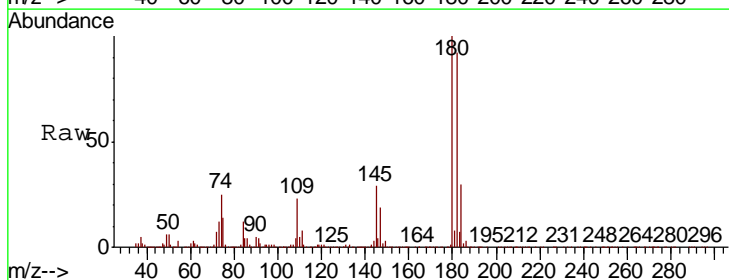
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#96
 1,2,3-Trichlorobenzene
 Concen: 48.307 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014010.D
 Acq: 13 Dec 2019 15:59

Tgt Ion	Resp	Lower	Upper
180	435421		
182	93.5	46.8	140.3
145	29.6	14.8	44.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121319\
 Data File : VX014011.D
 Acq On : 13 Dec 2019 16:22
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Manual Integrations
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Quant Time: Dec 13 17:02:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	548793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	843362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	405555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	617981	96.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.72%	
35) Dibromofluoromethane	5.49	113	516920	98.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.24%	
50) Toluene-d8	8.71	98	2007259	97.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.86%	
62) 4-Bromofluorobenzene	11.14	95	751769	101.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	483811	82.465	ug/l	99
3) Chloromethane	1.31	50	626684	92.299	ug/l	99
4) Vinyl Chloride	1.40	62	666994	88.812	ug/l	100
5) Bromomethane	1.62	94	474252	92.303	ug/l	98
6) Chloroethane	1.70	64	405287	92.558	ug/l	94
7) Trichlorofluoromethane	1.91	101	836614	97.334	ug/l	98
8) Diethyl Ether	2.18	74	378389	97.403	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	500876	95.806	ug/l	100
10) Methyl Iodide	2.50	142	714380	112.514	ug/l	98
11) Tert butyl alcohol	3.06	59	633927	414.756	ug/l	98
12) 1,1-Dichloroethene	2.36	96	516735	99.112	ug/l	98
13) Acrolein	2.28	56	401218	445.908	ug/l	98
14) Allyl chloride	2.72	41	947139	100.188	ug/l	100
15) Acrylonitrile	3.13	53	1544265	480.478	ug/l	99
16) Acetone	2.44	43	2001144	605.853	ug/l	100
17) Carbon Disulfide	2.56	76	1453335	97.584	ug/l	100
18) Methyl Acetate	2.76	43	802431	93.931	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	1721707	99.489	ug/l	99
20) Methylene Chloride	2.84	84	582633	96.197	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	558801	98.204	ug/l	97
22) Diisopropyl ether	3.84	45	1844772	100.858	ug/l	97
23) Vinyl Acetate	3.80	43	7323485	482.257	ug/l	99
24) 1,1-Dichloroethane	3.69	63	1011790	101.197	ug/l	100
25) 2-Butanone	4.66	43	2502827	530.956	ug/l	99
26) 2,2-Dichloropropane	4.57	77	812194	98.580	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	639085	97.865	ug/l	100
28) Bromochloromethane	5.00	49	407067	115.327	ug/l	99
29) Tetrahydrofuran	5.12	42	1387997	488.481	ug/l	99
30) Chloroform	5.20	83	968045	95.658	ug/l	98
31) Cyclohexane	5.57	56	928998	98.286	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	838275	99.181	ug/l	99
36) 1,1-Dichloropropene	5.79	75	758845	99.053	ug/l	100
37) Ethyl Acetate	4.83	43	851531	99.635	ug/l	99
38) Carbon Tetrachloride	5.77	117	719273	101.788	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014011.D
 Acq On : 13 Dec 2019 16:22
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICC100

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Quant Time: Dec 13 17:02:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	945088	99.629	ug/l	99
40) Benzene	6.13	78	2308856	98.745	ug/l	98
41) Methacrylonitrile	5.03	41	490632	105.173	ug/l	96
42) 1,2-Dichloroethane	6.18	62	786354	98.762	ug/l	99
43) Isopropyl Acetate	6.43	43	1440737	102.057	ug/l	99
44) Trichloroethene	7.20	130	631114	98.707	ug/l	100
45) 1,2-Dichloropropane	7.51	63	597656	101.971	ug/l	97
46) Dibromomethane	7.65	93	384599	96.955	ug/l	99
47) Bromodichloromethane	7.89	83	775778	103.479	ug/l	98
48) Methyl methacrylate	7.76	41	713945	104.318	ug/l	99
49) 1,4-Dioxane	7.74	88	266492	1767.914	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	4454422	502.518	ug/l	100
52) Toluene	8.78	92	1450176	99.705	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	900433	105.583	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	978680	104.939	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	585526	100.026	ug/l	99
56) Ethyl methacrylate	9.17	69	1001661	106.259	ug/l	100
57) 1,3-Dichloropropane	9.37	76	995630	98.559	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1879120	508.509	ug/l	100
59) 2-Hexanone	9.49	43	3687624	528.666	ug/l	100
60) Dibromochloromethane	9.58	129	640857	105.869	ug/l	99
61) 1,2-Dibromoethane	9.67	107	618127	98.996	ug/l	100
64) Tetrachloroethene	9.33	164	730494	122.222	ug/l	97
65) Chlorobenzene	10.14	112	1585660	98.056	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	591151	102.094	ug/l	99
67) Ethyl Benzene	10.25	91	2770473	99.813	ug/l	99
68) m/p-Xylenes	10.35	106	2149249	201.972	ug/l	99
69) o-Xylene	10.70	106	1049787	101.159	ug/l	100
70) Styrene	10.71	104	1839187	105.053	ug/l	99
71) Bromoform	10.85	173	521997	109.295	ug/l	100
73) Isopropylbenzene	11.01	105	2753143	96.652	ug/l	99
74) N-amyl acetate	10.89	43	1364487	104.568	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	956183	96.951	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	861897m	94.893	ug/l	
77) Bromobenzene	11.25	156	737773	96.089	ug/l	99
78) n-propylbenzene	11.35	91	3184476	99.977	ug/l	99
79) 2-Chlorotoluene	11.42	91	1867515	97.459	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	2362600	100.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	344901	104.093	ug/l	97
82) 4-Chlorotoluene	11.51	91	2200862	99.470	ug/l	99
83) tert-Butylbenzene	11.77	119	2205438	93.495	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	2371228	99.859	ug/l	99
85) sec-Butylbenzene	11.94	105	2753476	101.431	ug/l	100
86) p-Isopropyltoluene	12.06	119	2532372	100.425	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	1325579	98.848	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	1321090	96.582	ug/l	99
89) n-Butylbenzene	12.39	91	2252779	104.611	ug/l	99
90) Hexachloroethane	12.59	117	475941	104.126	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	1316372	99.046	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	209437	98.478	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014011.D
 Acq On : 13 Dec 2019 16:22
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICC100

Manual Integrations
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 12/16/2019 12:46:06 PM

Quant Time: Dec 13 17:02:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	917133	99.909	ug/l	98
94) Hexachlorobutadiene	13.78	225	425393	95.763	ug/l	98
95) Naphthalene	13.83	128	2770114	101.586	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	908154	99.469	ug/l	98

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

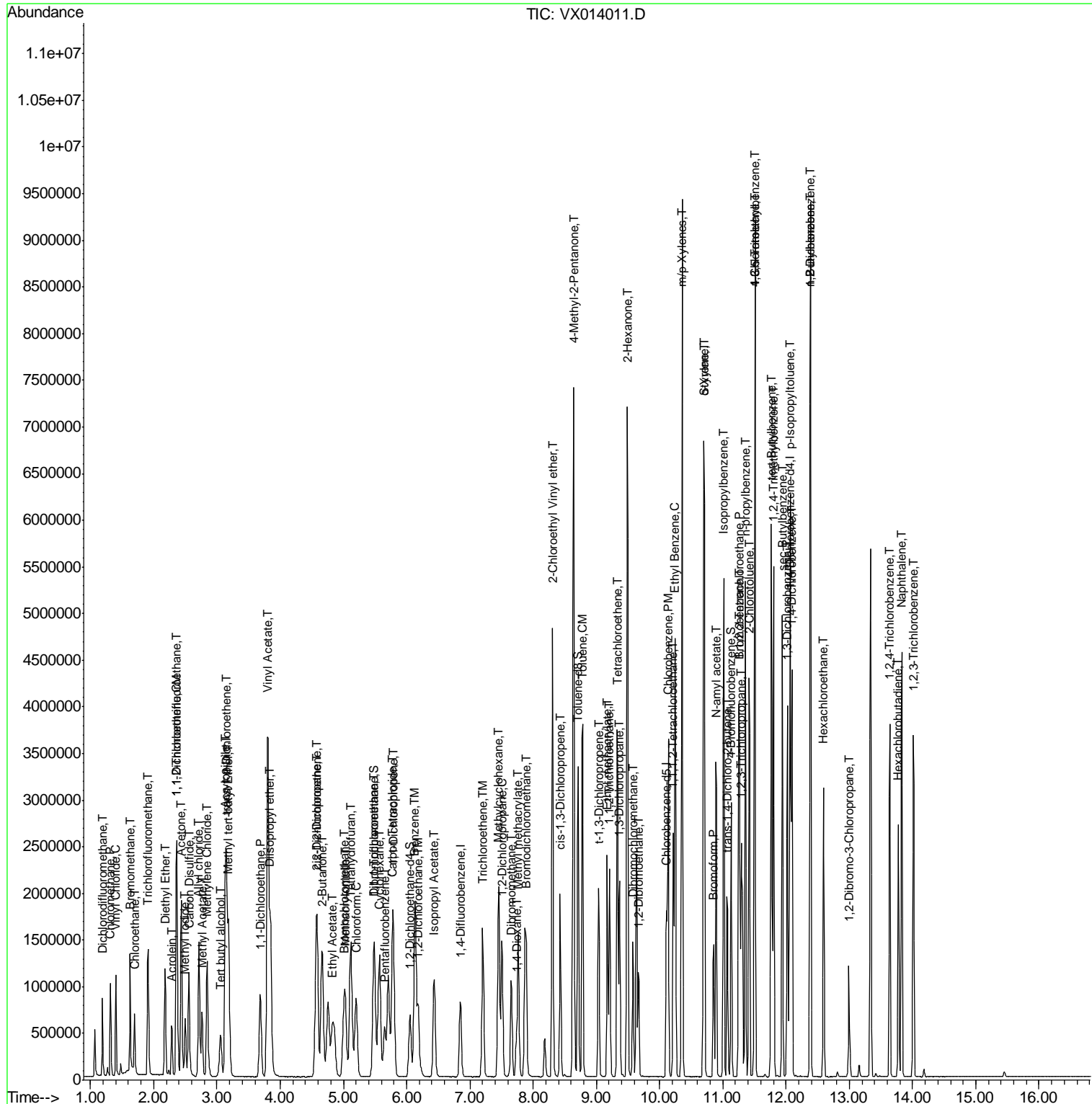
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014011.D
 Acq On : 13 Dec 2019 16:22
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDICC100

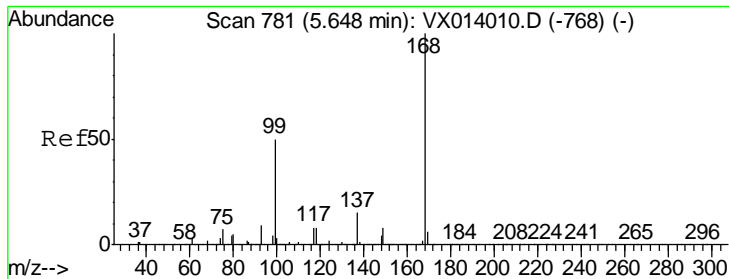
Manual Integrations
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Quant Time: Dec 13 17:02:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration



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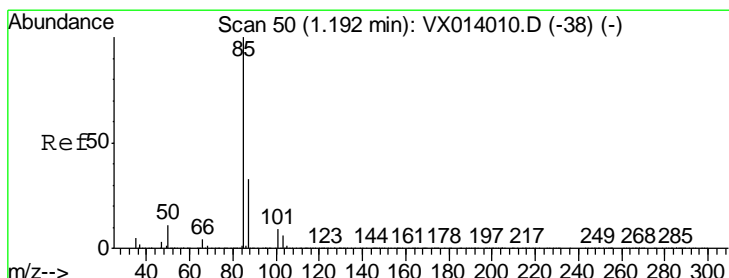
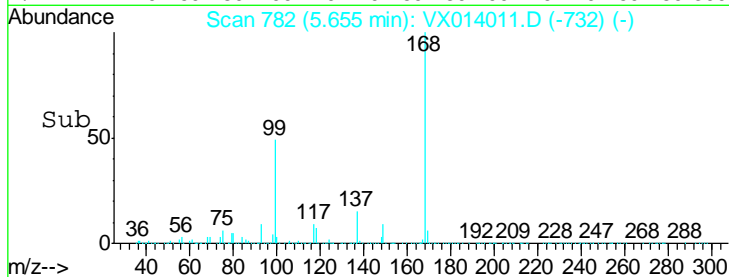
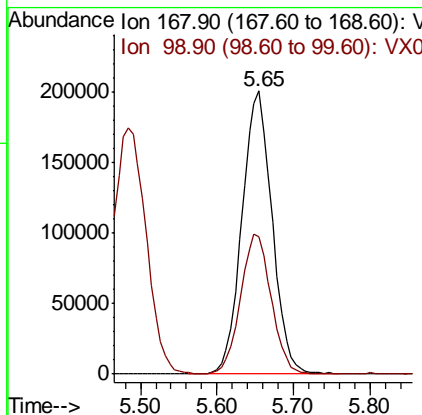
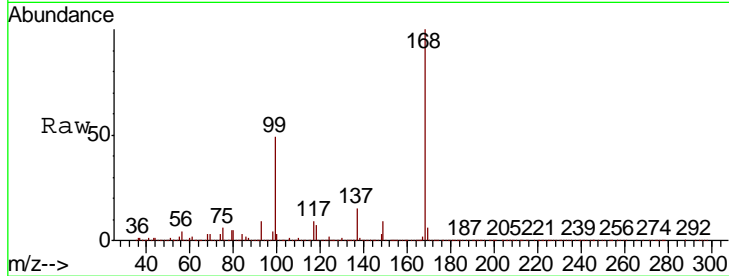
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
168	548793		
99	48.2	40.3	60.5

Instrument : MSVOA_X
 Client Sampled : VX014011.D
 VSTDIC100

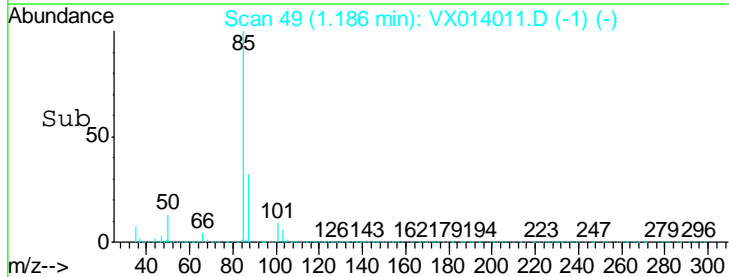
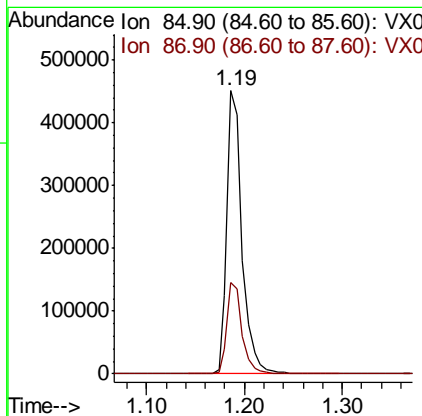
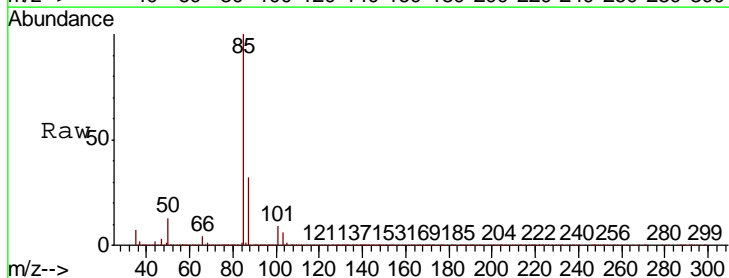
Manual Integrations
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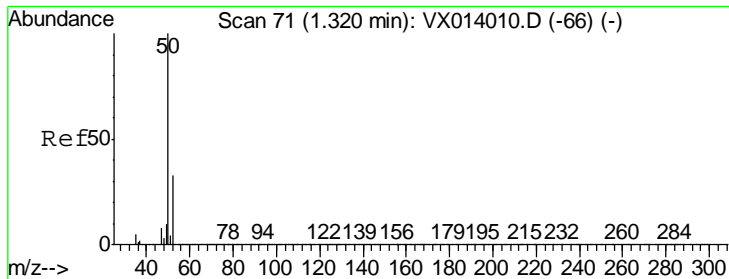
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#2
 Dichlorodifluoromethane
 Concen: 82.465 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
85	483811		
87	32.1	16.4	49.2





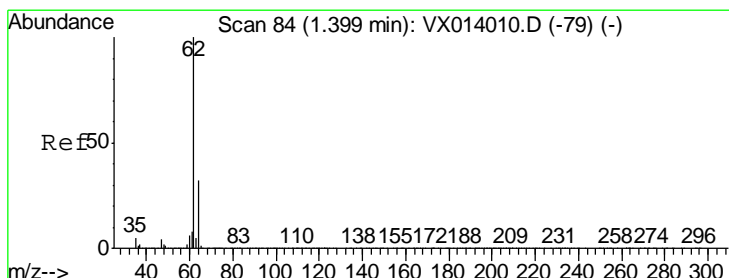
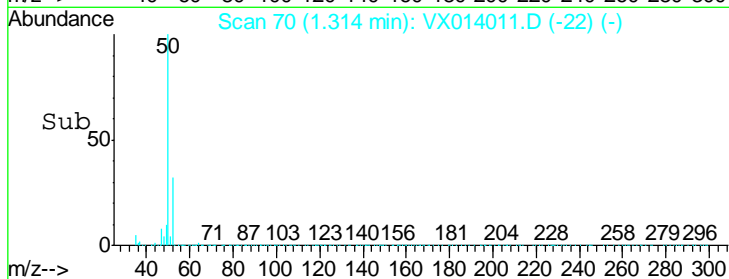
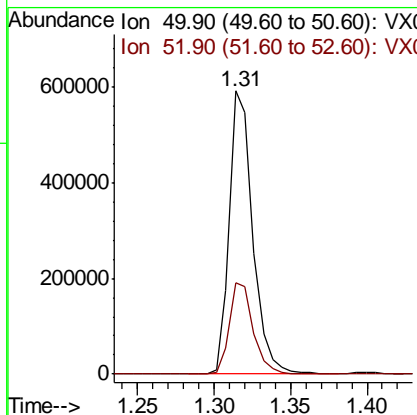
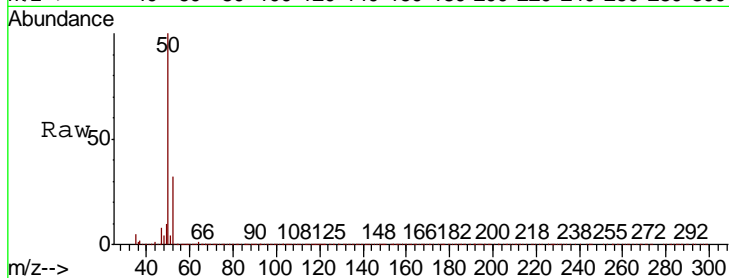
#3
 Chloromethane
 Concen: 92.299 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.4	26.2	39.4

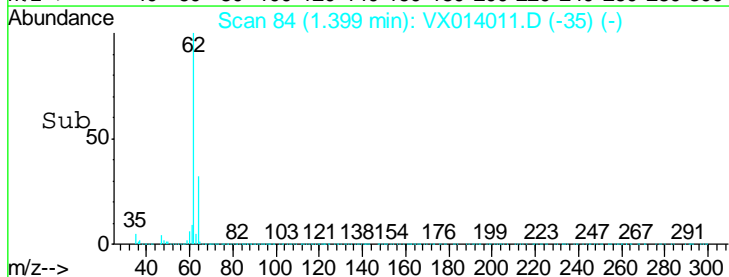
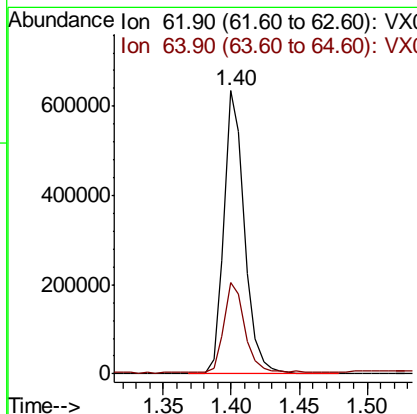
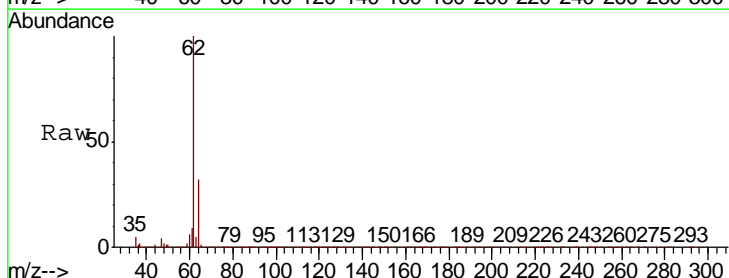
Manual Integrations
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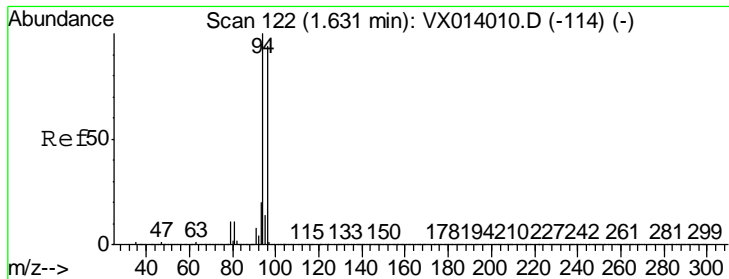
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#4
 Vinyl Chloride
 Concen: 88.812 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.9	25.7	38.5





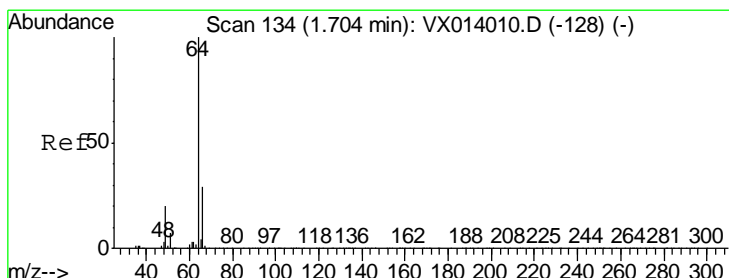
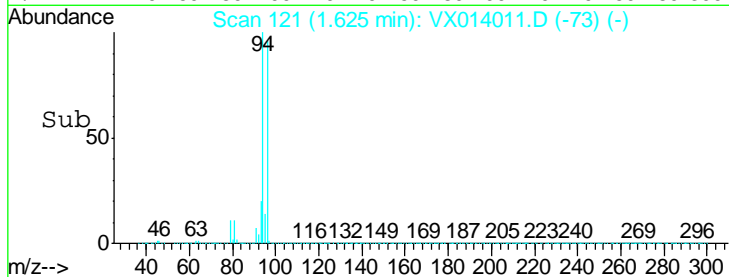
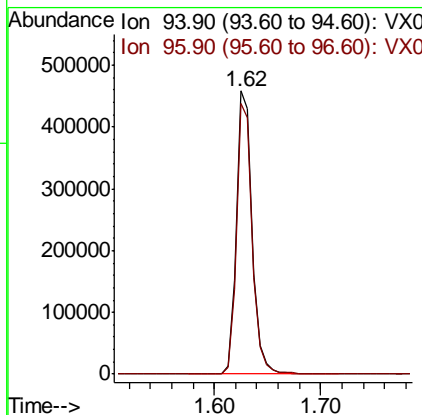
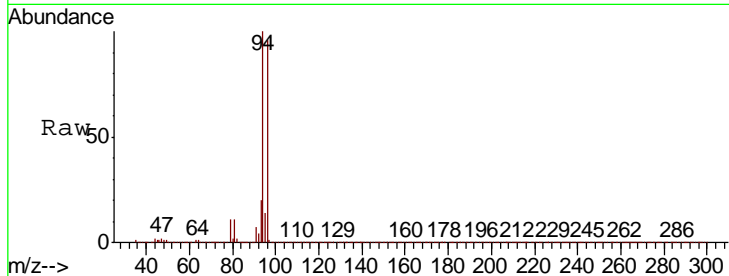
#5
 Bromomethane
 Concen: 92.303 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
94	100		
96	95.5	75.2	112.8

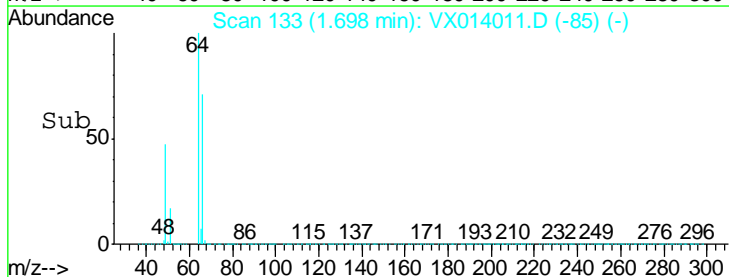
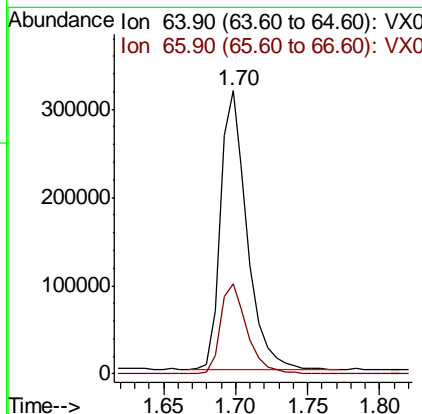
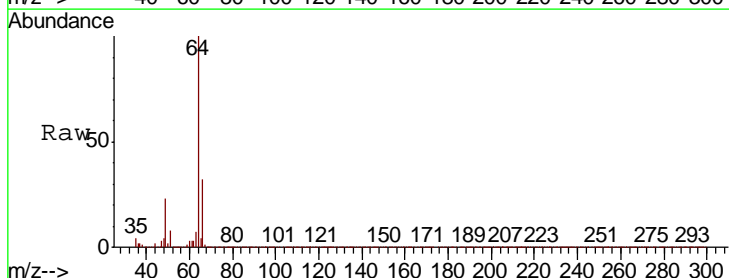
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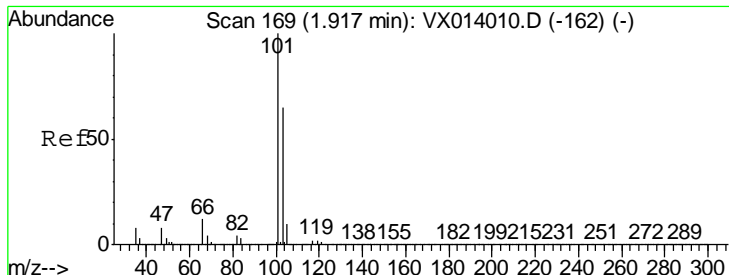
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#6
 Chloroethane
 Concen: 92.558 ug/l
 RT: 1.70 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.3	23.4	35.2





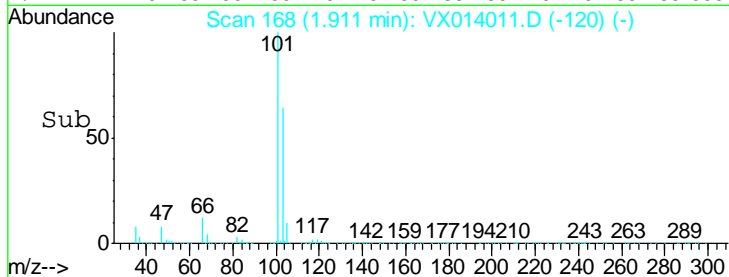
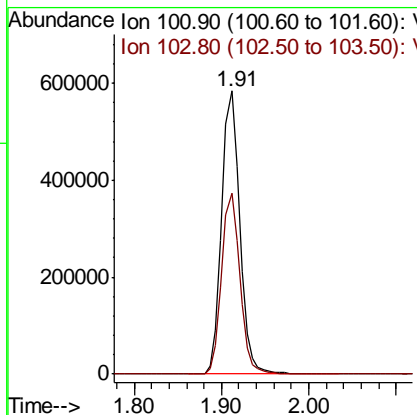
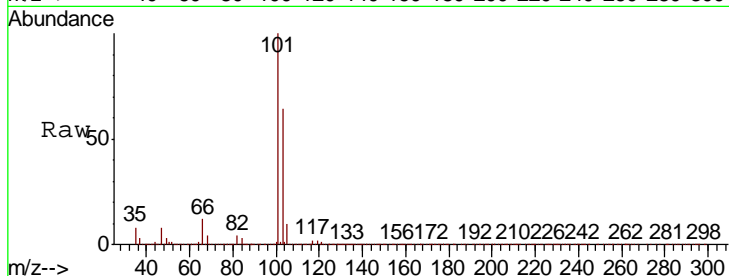
#7
 Trichlorofluoromethane
 Concen: 97.334 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	836614		
101	100		
103	63.9	52.2	78.4

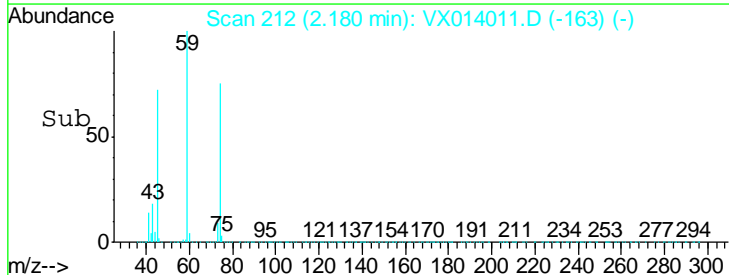
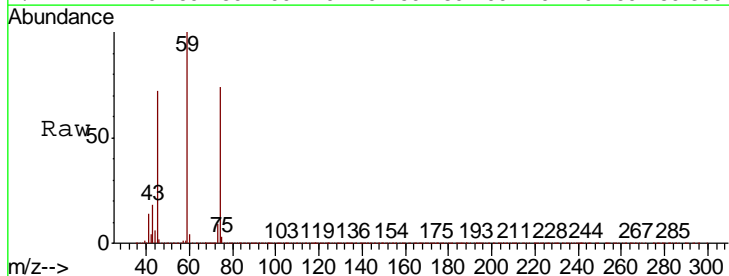
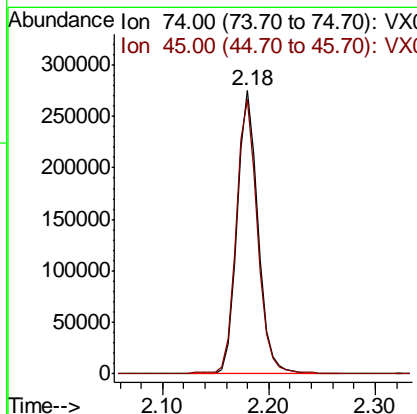
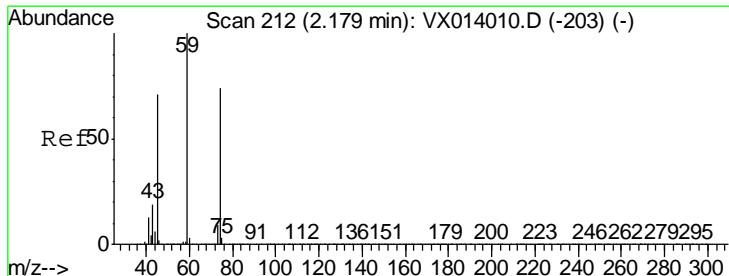
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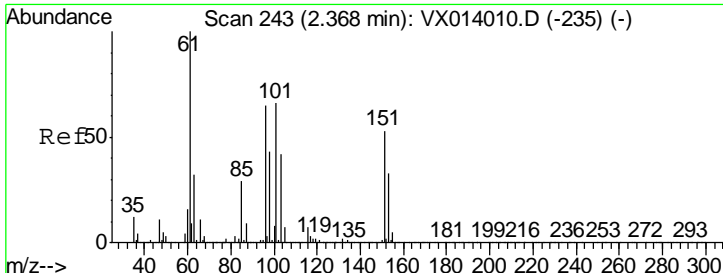
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#8
 Diethyl Ether
 Concen: 97.403 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
74	378389		
74	100		
45	99.1	48.1	144.3





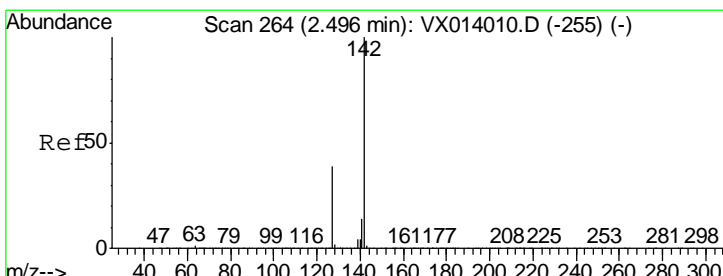
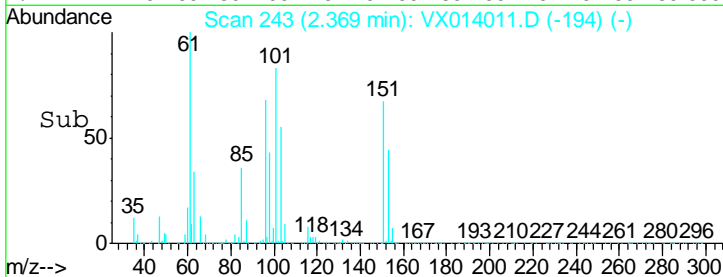
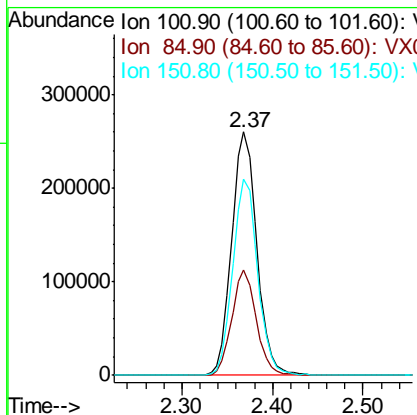
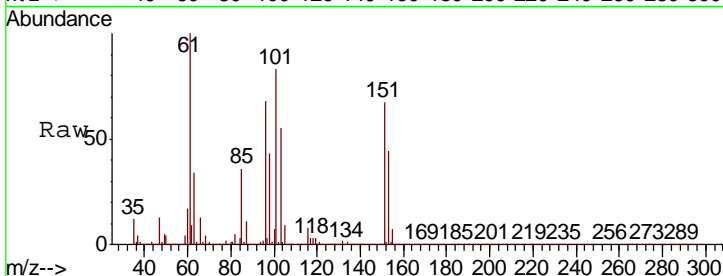
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 95.806 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VX014011.D
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	500876		
101	100		
85	42.1	33.7	50.5
151	80.2	64.5	96.7

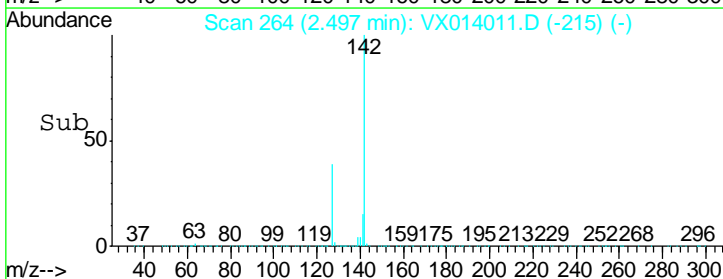
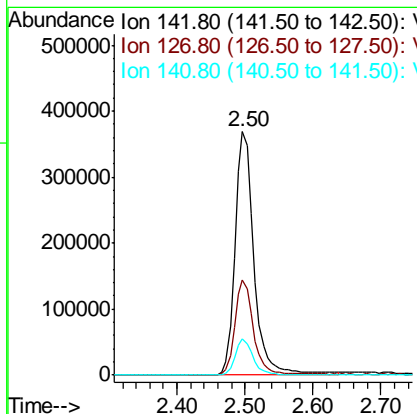
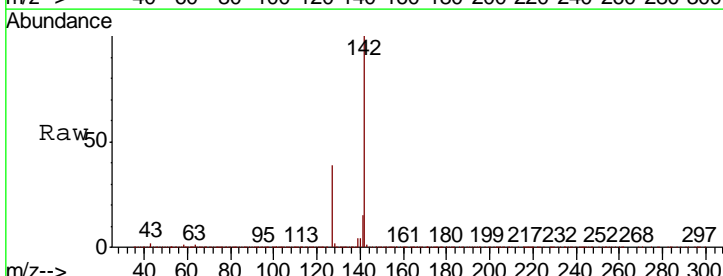
Manual Integrations
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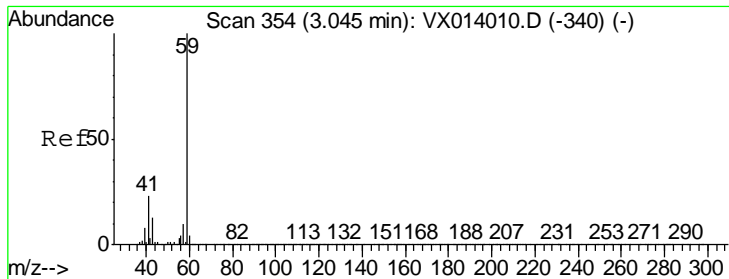
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#10
 Methyl Iodide
 Concen: 112.514 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
142	714380		
142	100		
127	38.1	31.6	47.4
141	14.2	11.6	17.4





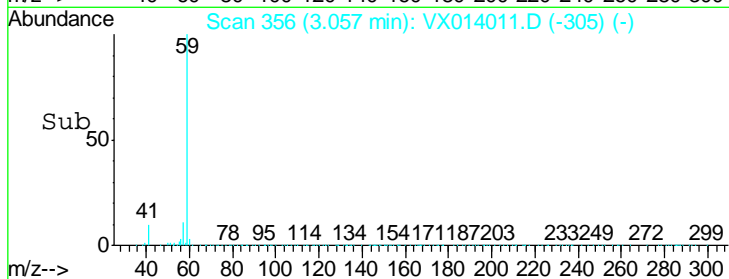
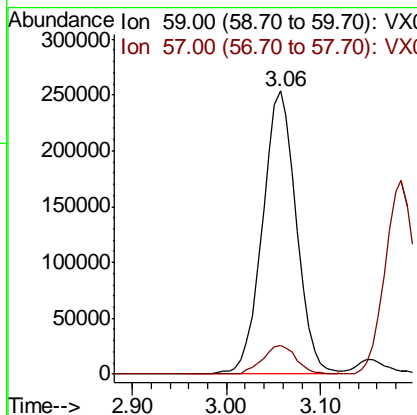
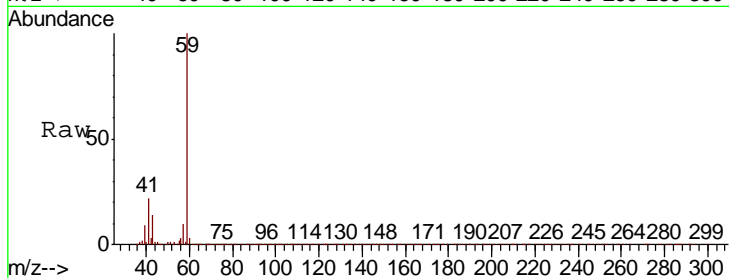
#11
 Tert butyl alcohol
 Concen: 414.756 ug/l
 RT: 3.06 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.9	8.4	12.6

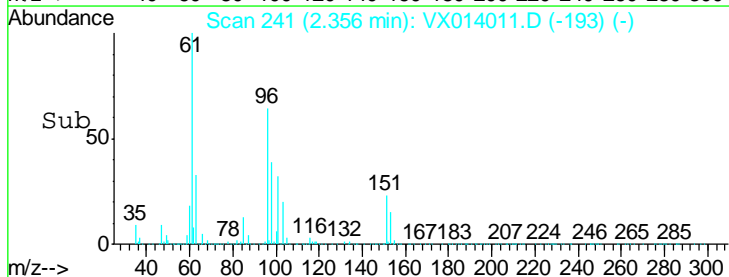
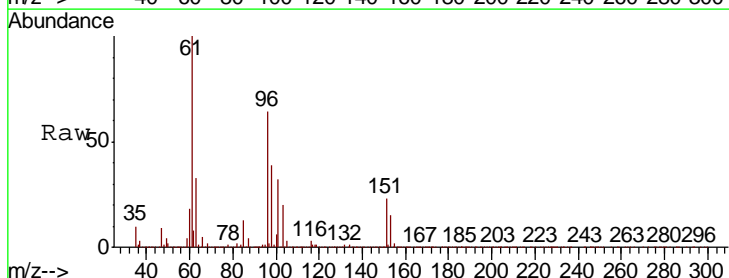
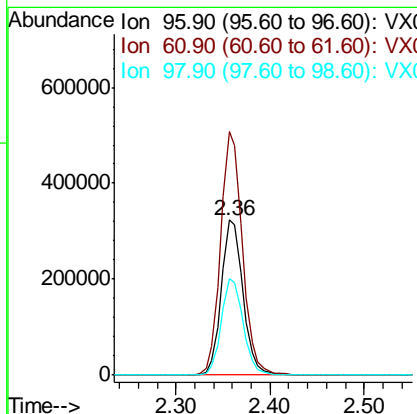
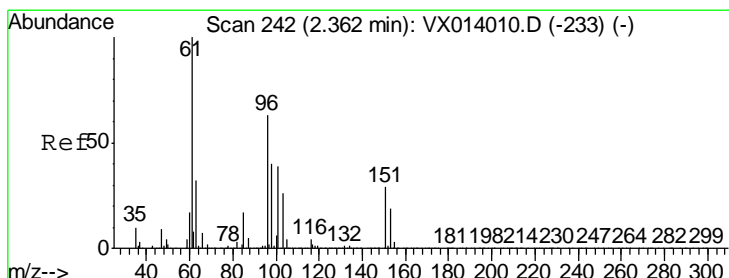
Manual Integrations
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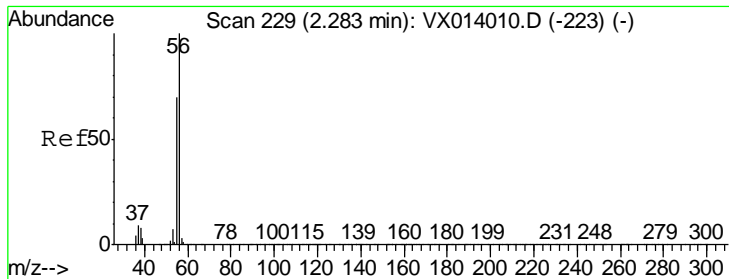
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#12
 1,1-Dichloroethene
 Concen: 99.112 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
96	100		
61	157.1	127.9	191.9
98	61.9	50.5	75.7





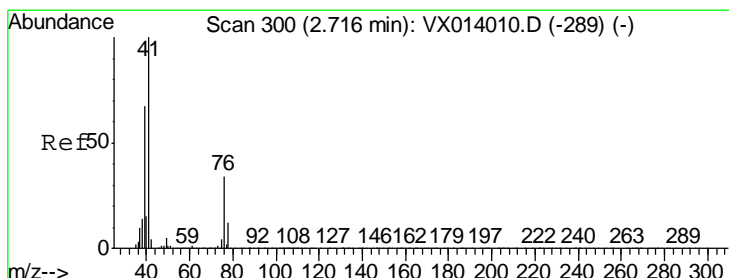
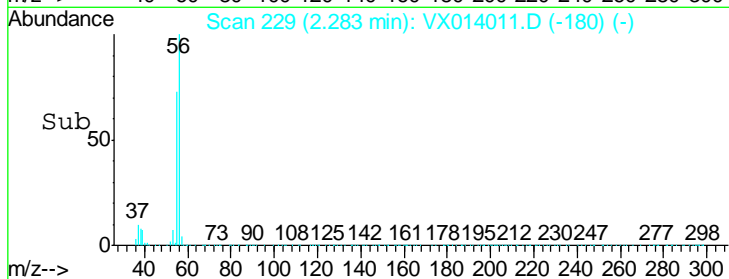
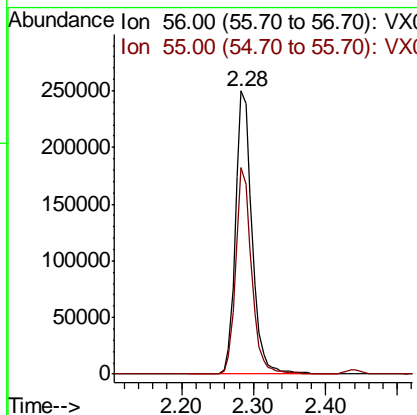
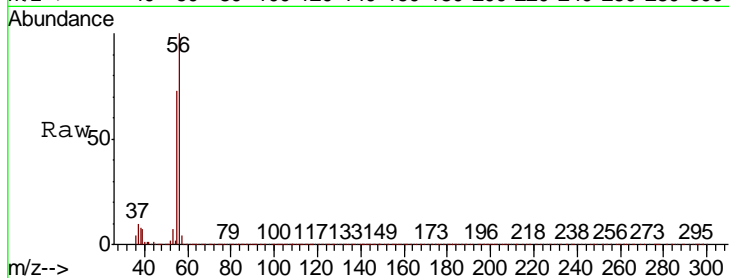
#13
 Acrolein
 Concen: 445.908 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	401218		
55	69.3	56.9	85.3

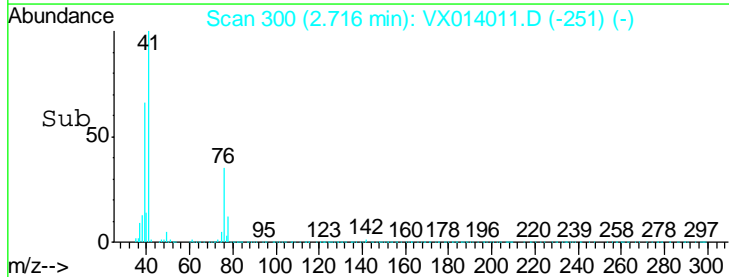
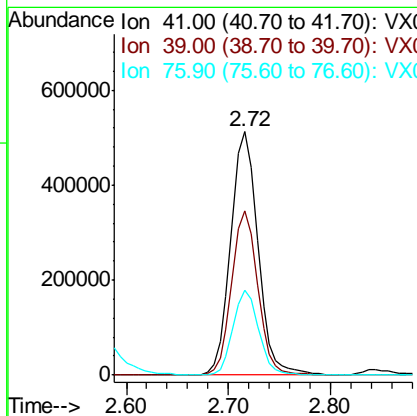
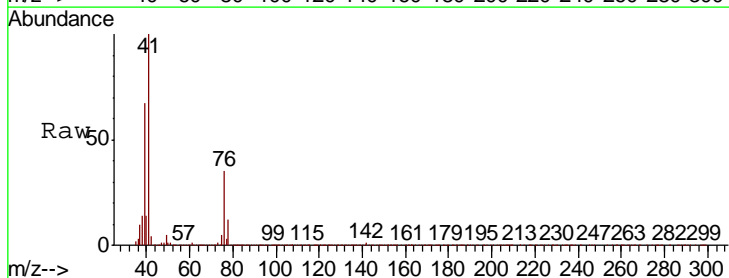
Manual Integrations
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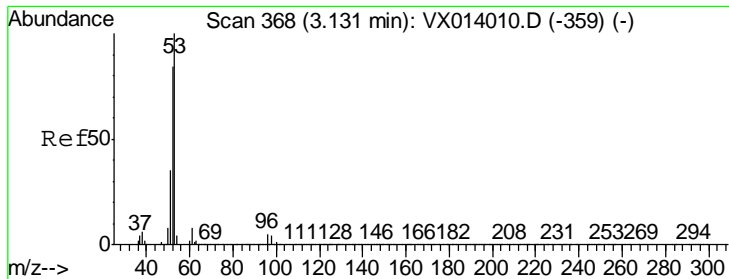
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#14
 Allyl chloride
 Concen: 100.188 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
41	947139		
39	64.7	51.8	77.8
76	32.7	25.9	38.9





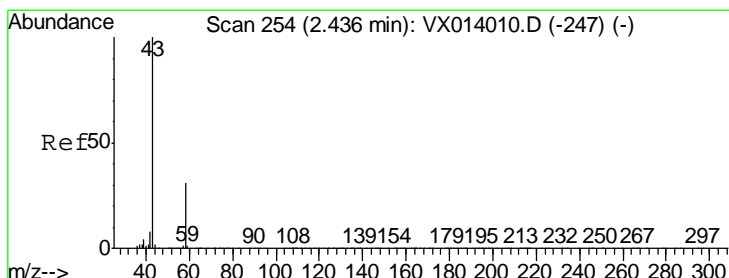
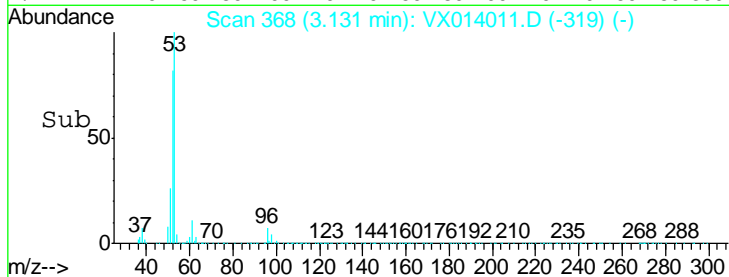
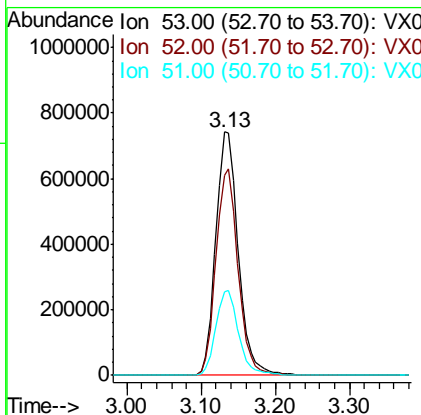
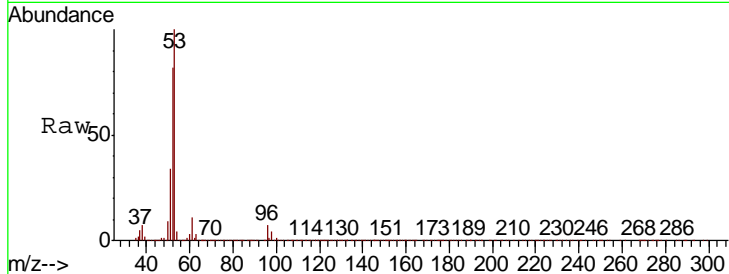
#15
 Acrylonitrile
 Concen: 480.478 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.6	66.5	99.7
51	35.3	28.1	42.1

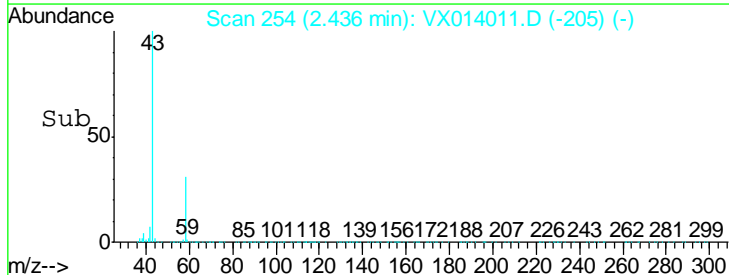
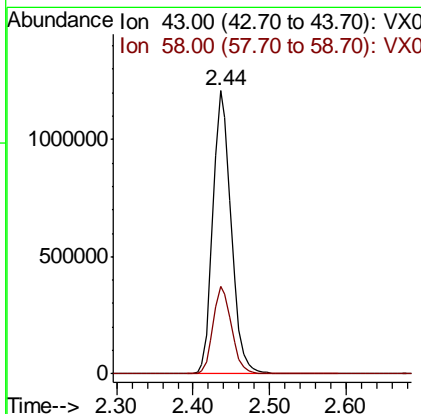
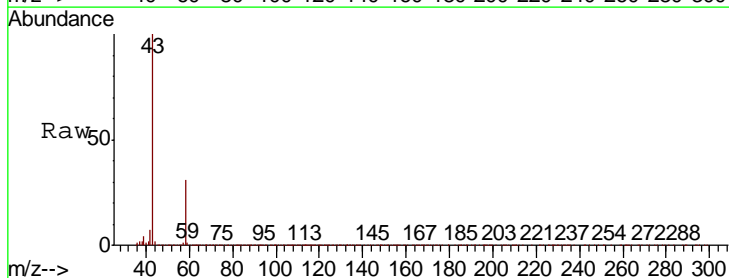
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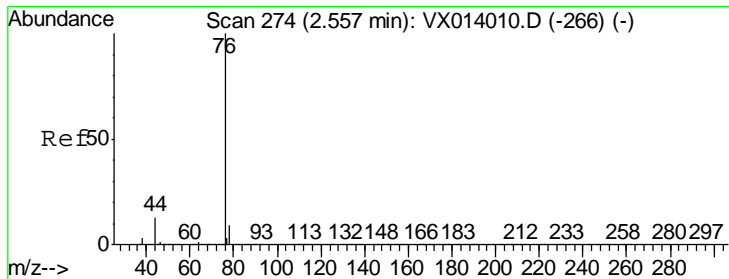
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#16
 Acetone
 Concen: 605.853 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.1	24.9	37.3



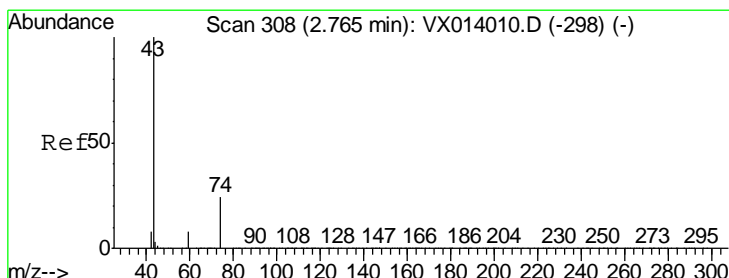
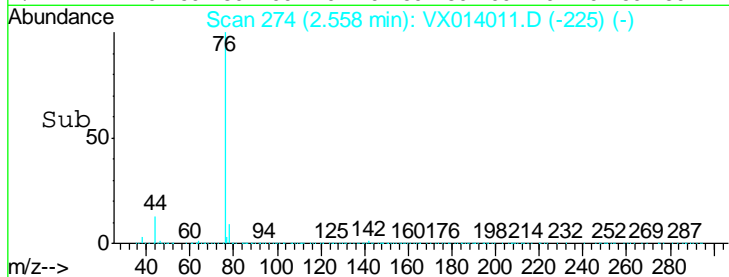
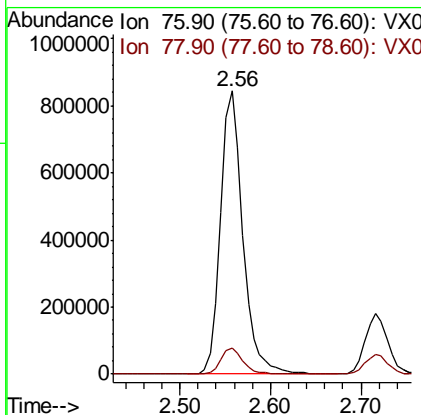
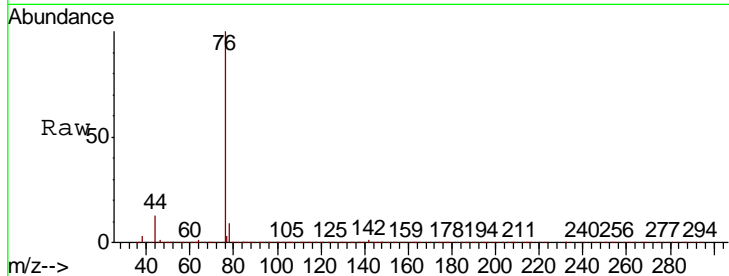


#17
 Carbon Disulfide
 Concen: 97.584 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
76	1453335		
76	100		
78	9.0	7.2	10.8

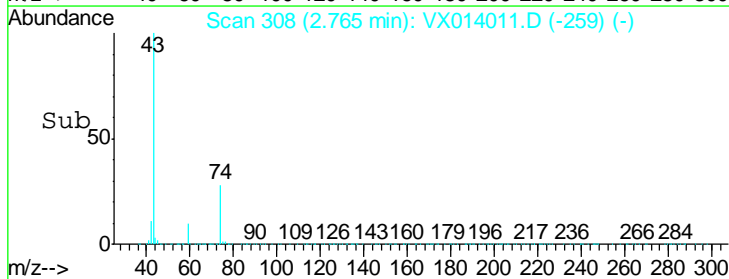
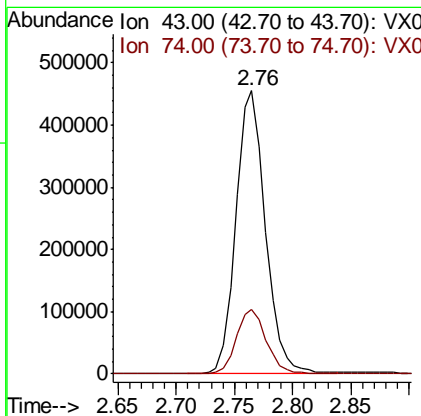
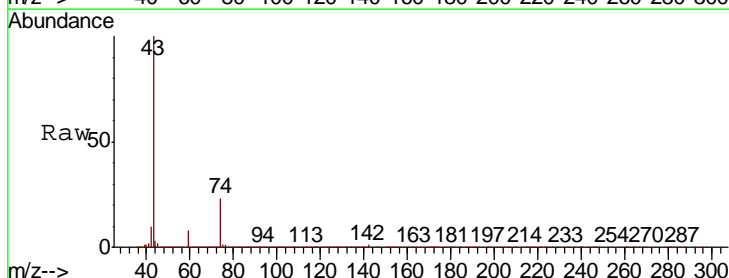
Instrument : MSVOA_X
 Client Sampled : VSTDIC100

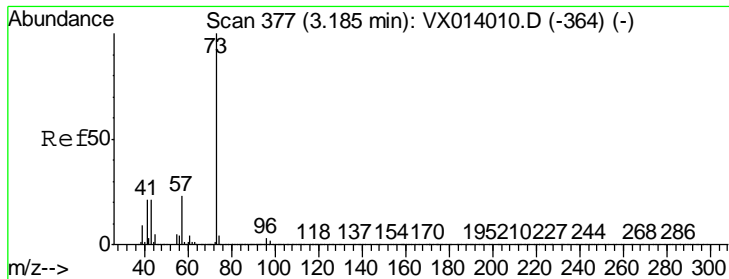
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#18
 Methyl Acetate
 Concen: 93.931 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
43	802431		
43	100		
74	23.3	19.5	29.3





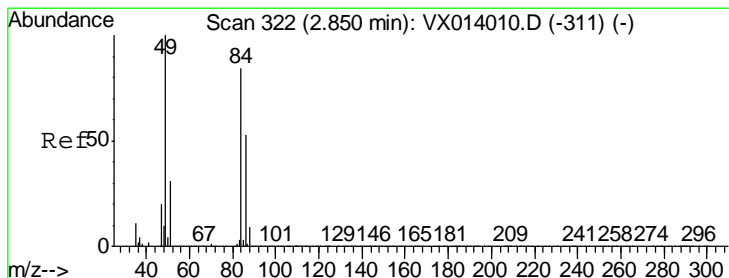
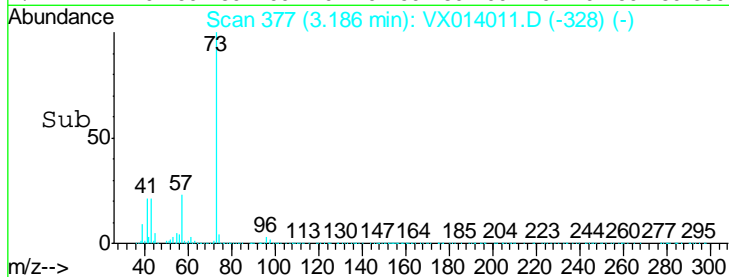
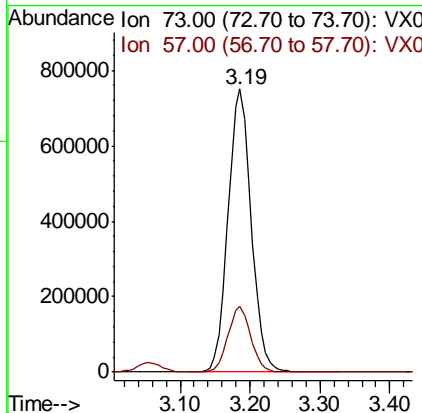
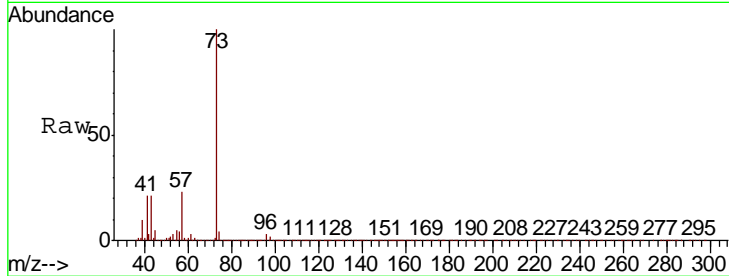
#19
 Methyl tert-butyl Ether
 Concen: 99.489 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
73	100		
57	23.1	18.8	28.2

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

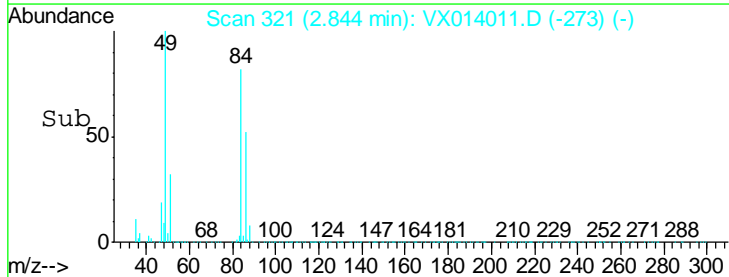
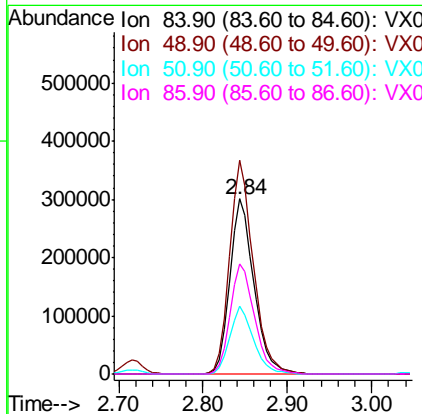
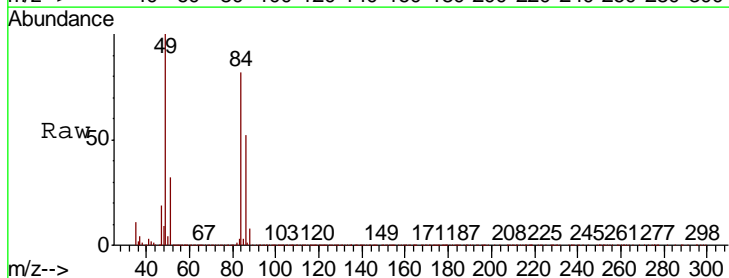
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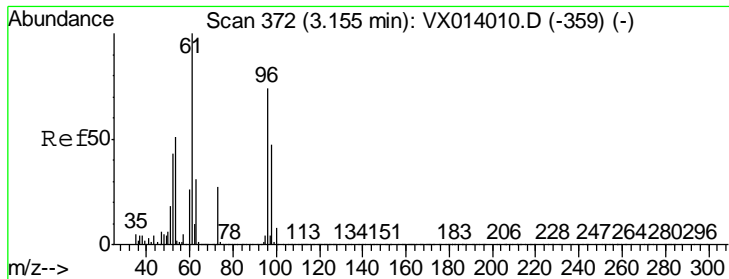
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#20
 Methylene Chloride
 Concen: 96.197 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
84	100		
49	122.1	95.8	143.6
51	38.7	29.8	44.8
86	63.1	50.8	76.2





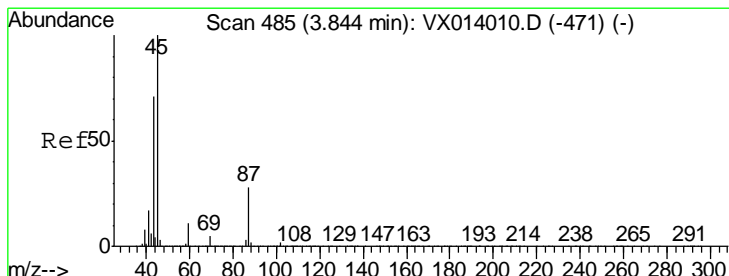
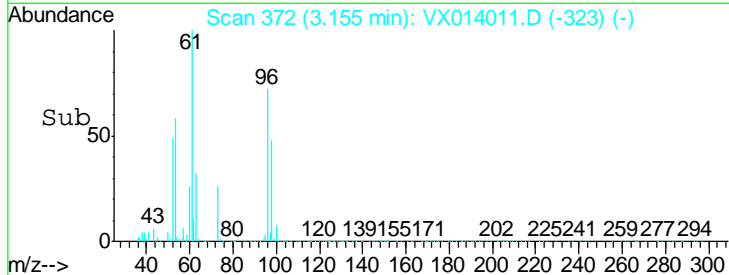
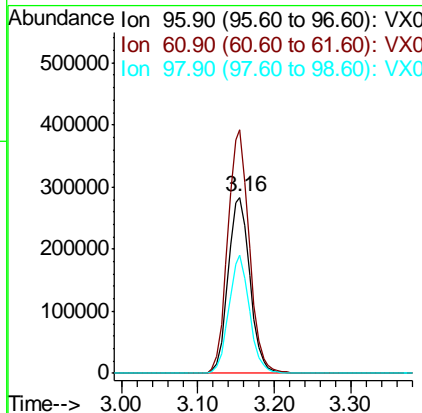
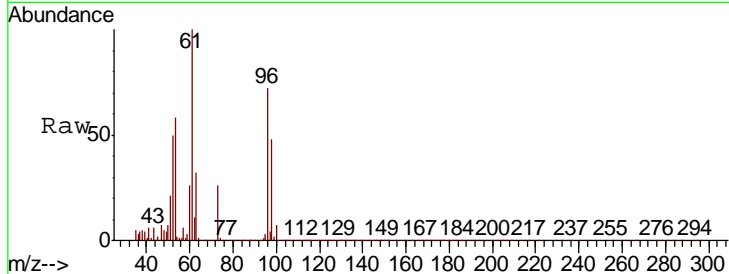
#21
 trans-1,2-Dichloroethene
 Concen: 98.204 ug/l
 RT: 3.16 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	558801		
61	138.2	108.3	162.5
98	66.8	50.8	76.2

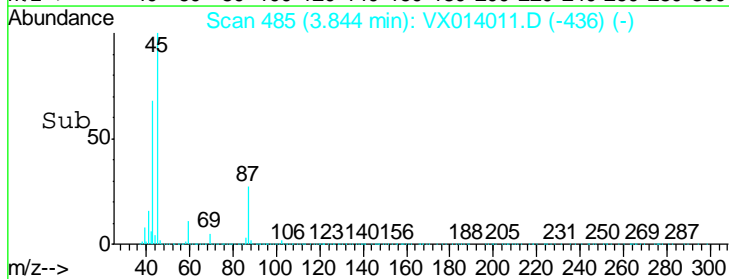
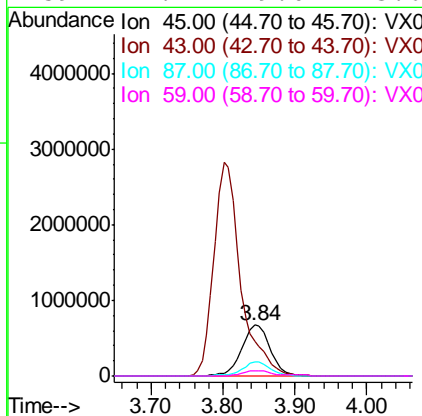
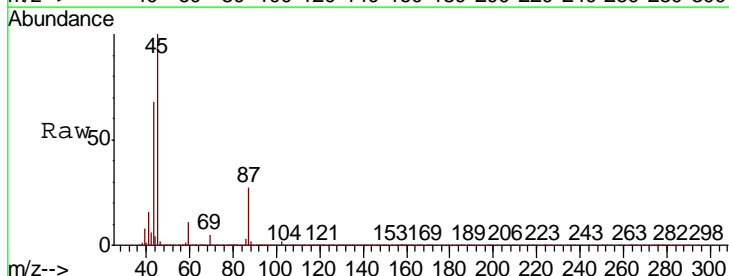
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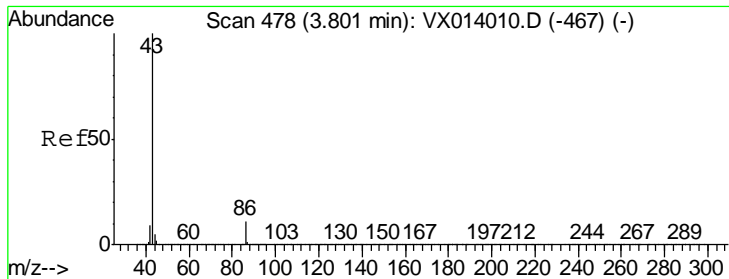
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#22
 Diisopropyl ether
 Concen: 100.858 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
45	1844772		
43	67.9	57.4	86.0
87	27.3	21.9	32.9
59	11.1	9.0	13.6





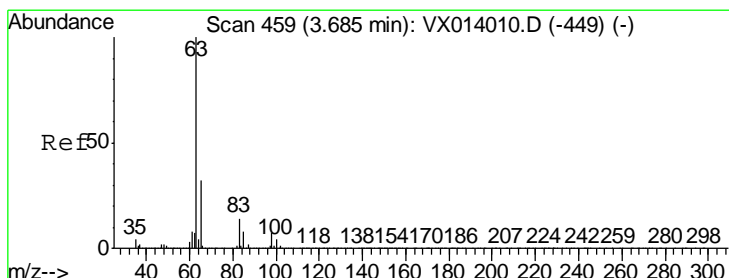
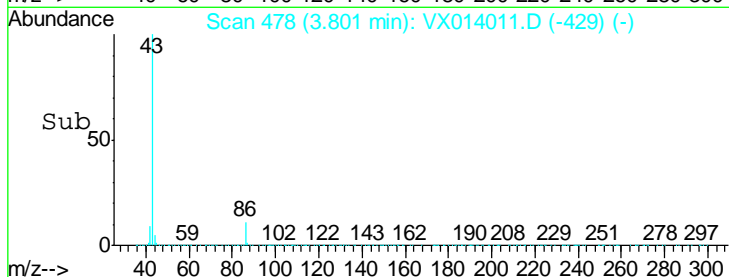
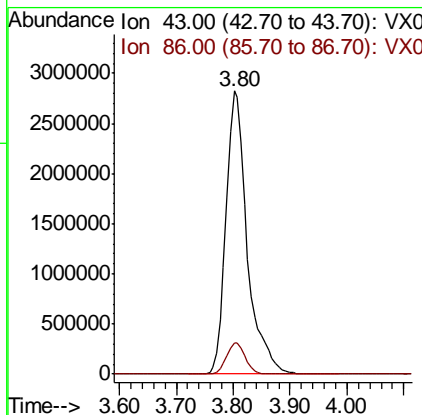
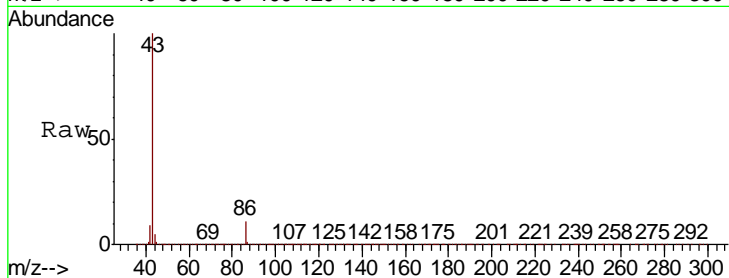
#23
 Vinyl Acetate
 Concen: 482.257 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.9	8.6	12.8

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

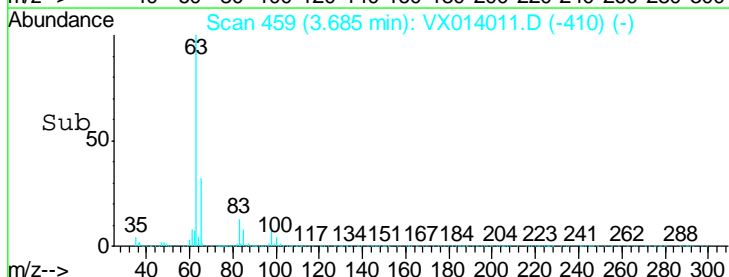
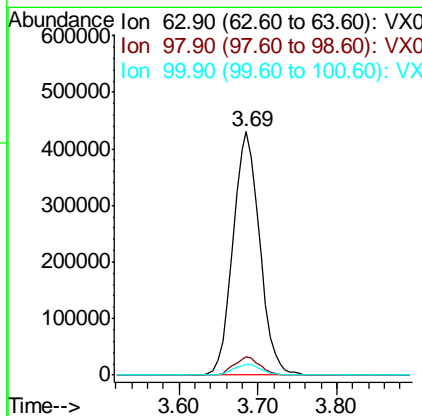
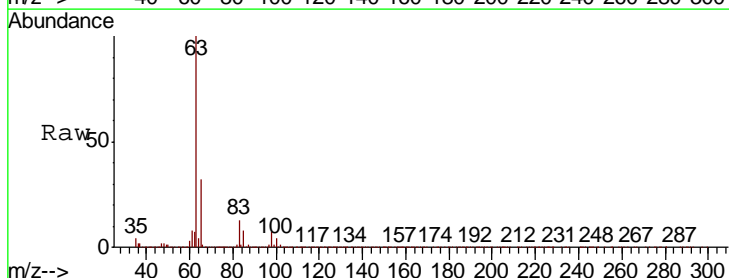
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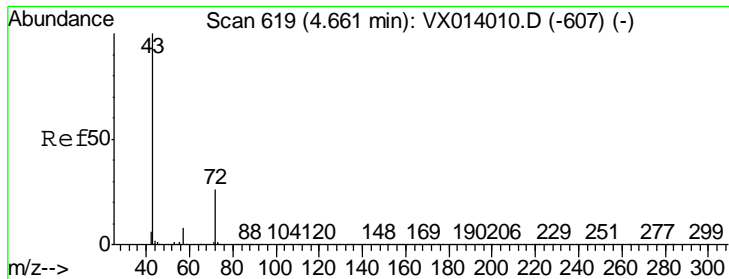
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#24
 1,1-Dichloroethane
 Concen: 101.197 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.4	2.3	6.8





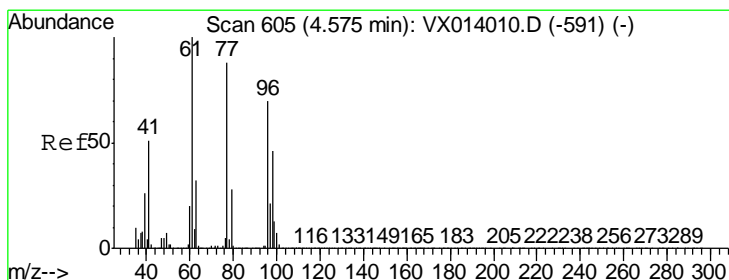
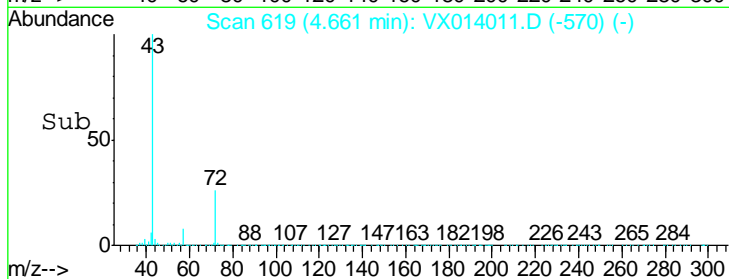
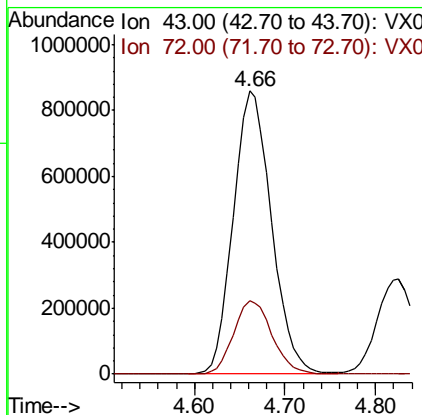
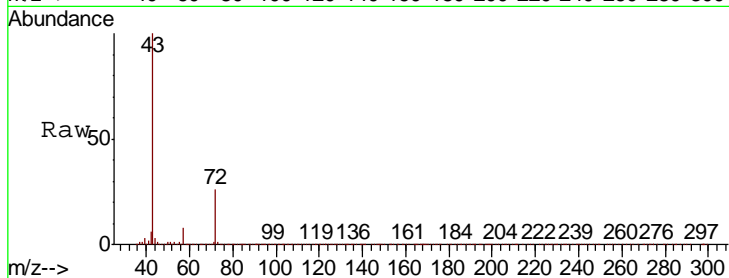
#25
 2-Butanone
 Concen: 530.956 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.6	21.0	31.4

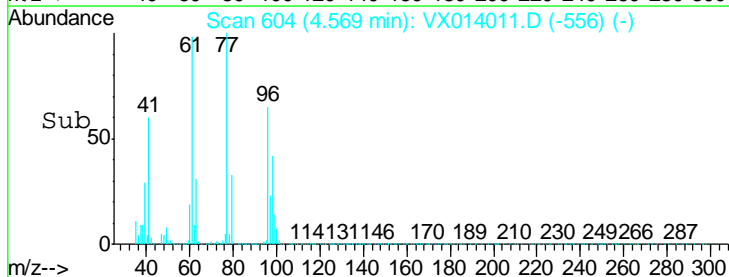
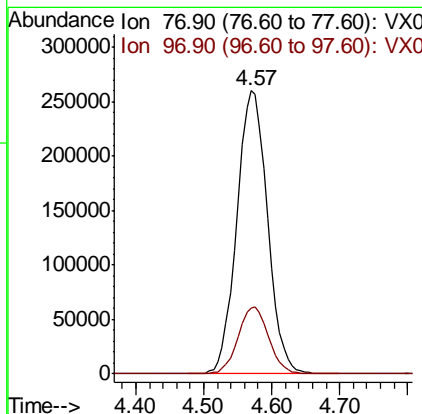
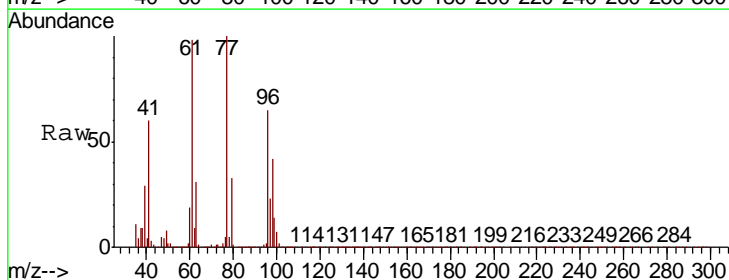
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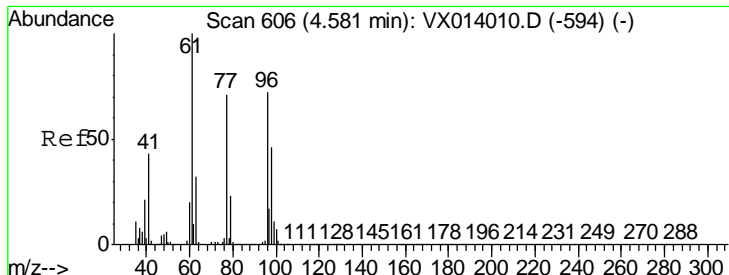
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#26
 2,2-Dichloropropane
 Concen: 98.580 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.5	11.9	35.9





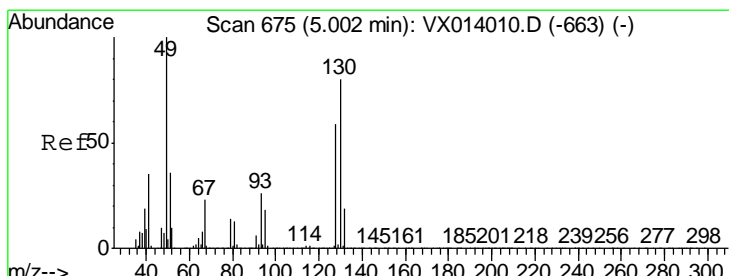
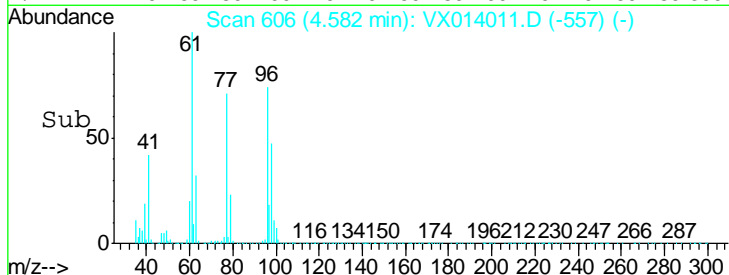
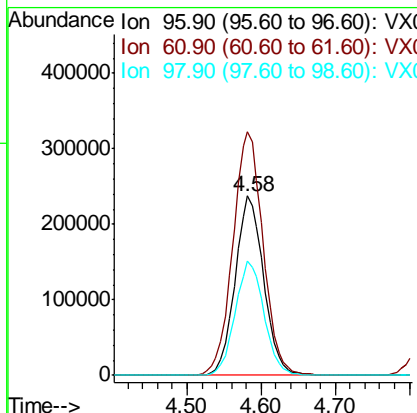
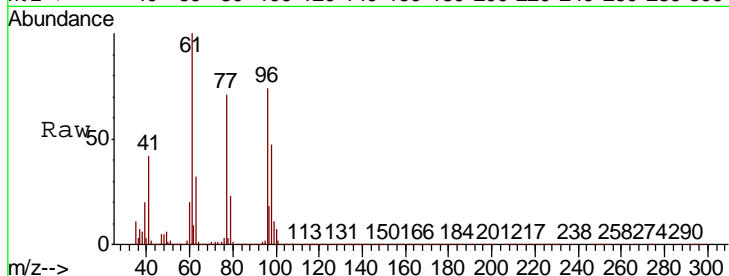
#27
 cis-1,2-Dichloroethene
 Concen: 97.865 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	639085		
96	100		
61	143.6	0.0	288.4
98	64.6	0.0	129.6

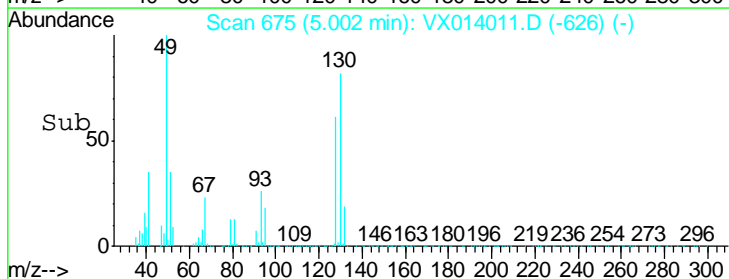
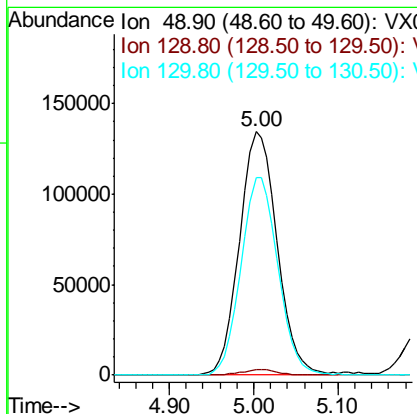
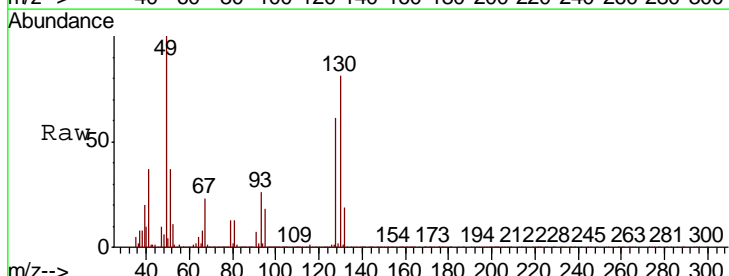
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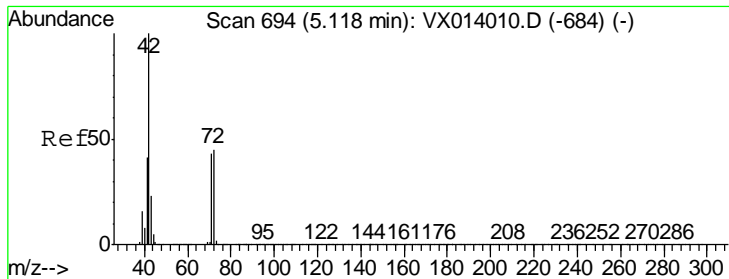
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#28
 Bromochloromethane
 Concen: 115.327 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
49	407067		
49	100		
129	2.2	0.0	5.0
130	80.0	64.6	97.0



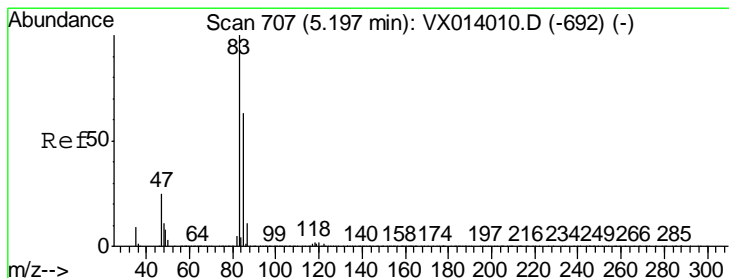
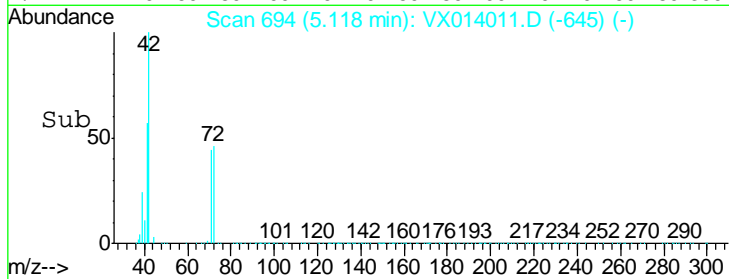
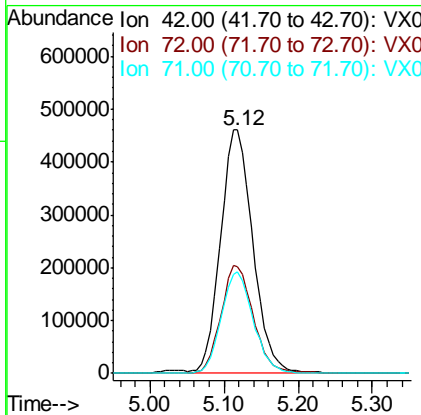
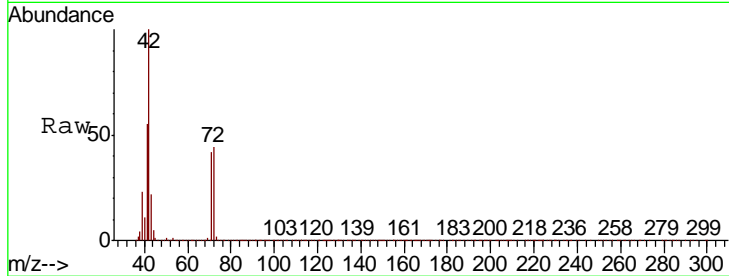


#29
 Tetrahydrofuran
 Concen: 488.481 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.7	35.8	53.8
71	41.5	33.6	50.4

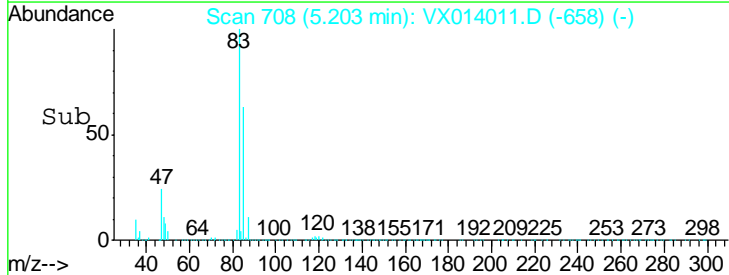
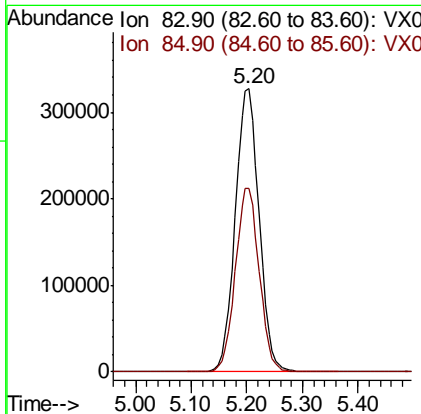
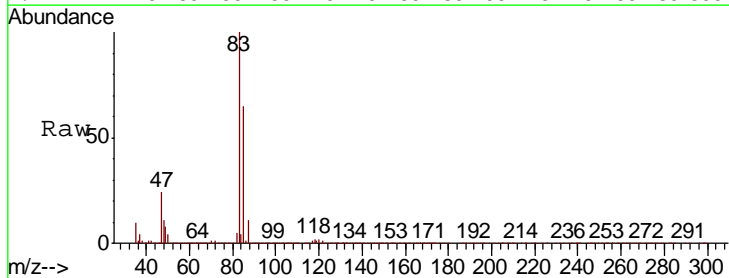
Instrument : MSVOA_X
 Client Sampled : VSTDIC100

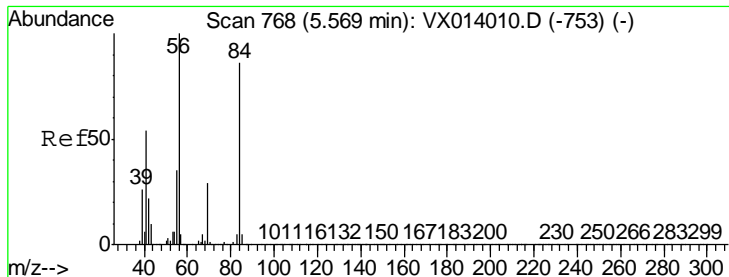
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#30
 Chloroform
 Concen: 95.658 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.1	50.8	76.2





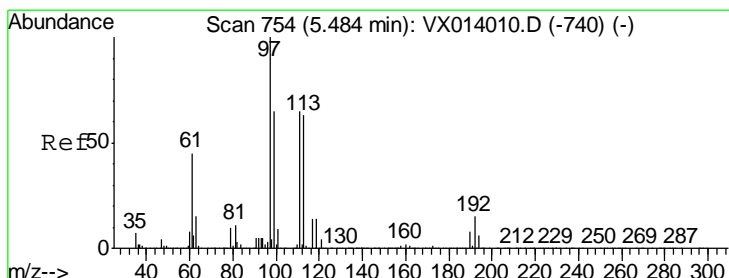
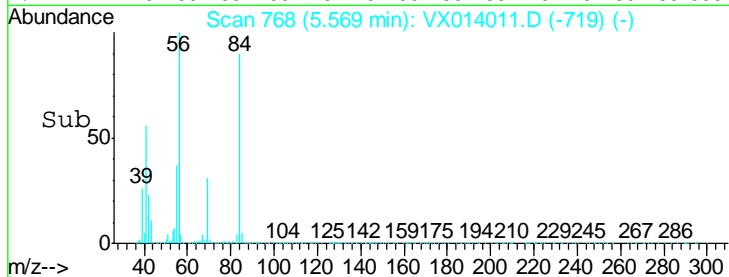
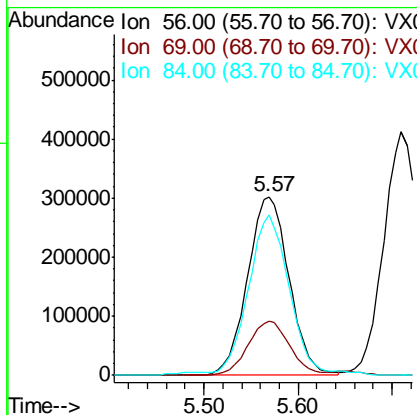
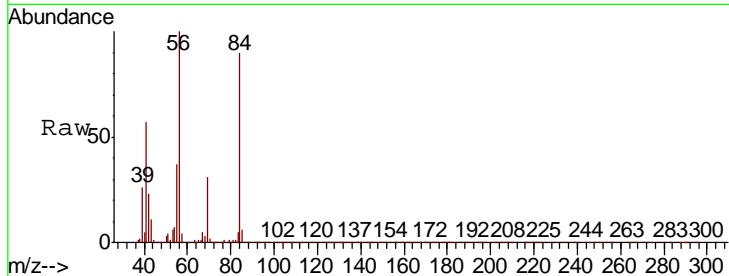
#31
 Cyclohexane
 Concen: 98.286 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.6	23.2	34.8
84	88.4	69.2	103.8

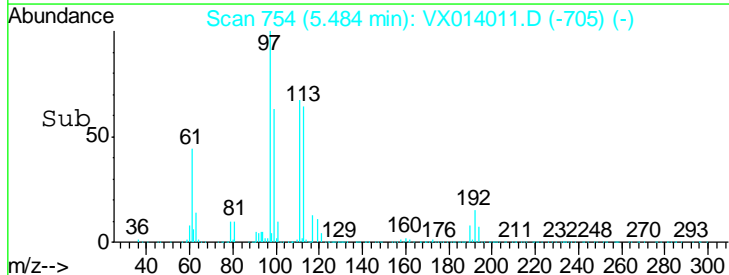
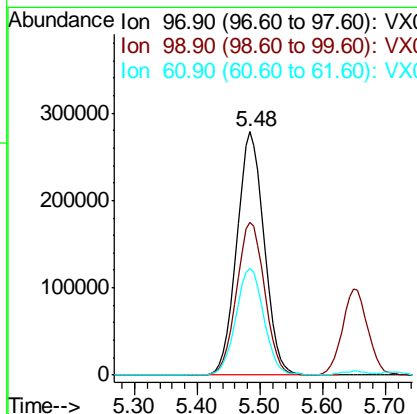
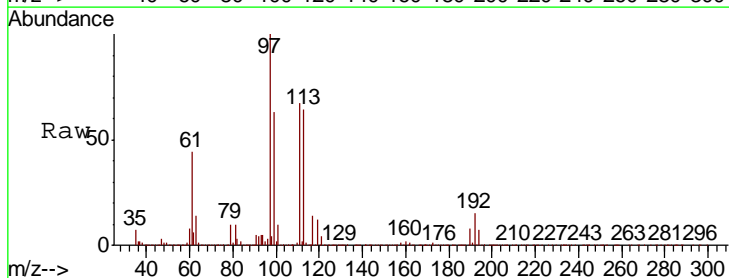
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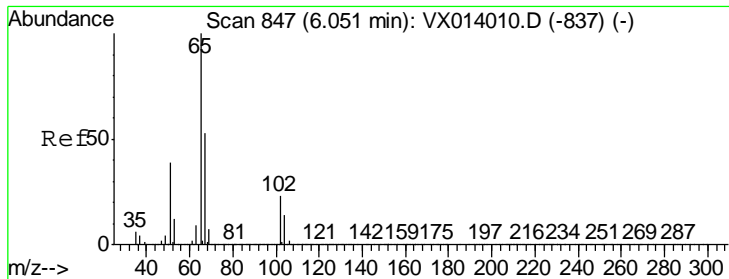
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#32
 1,1,1-Trichloroethane
 Concen: 99.181 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	44.8	36.7	55.1





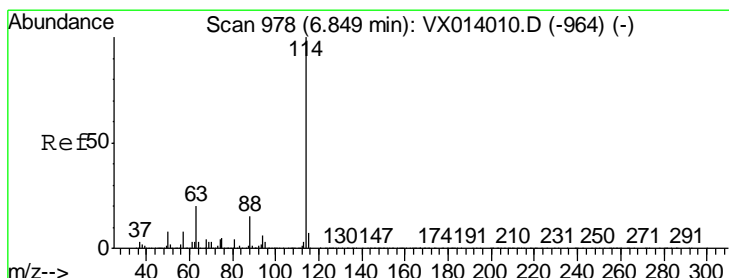
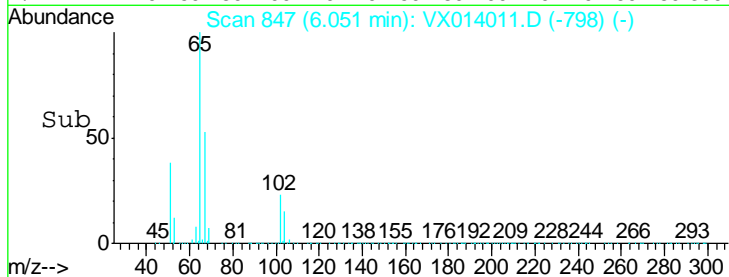
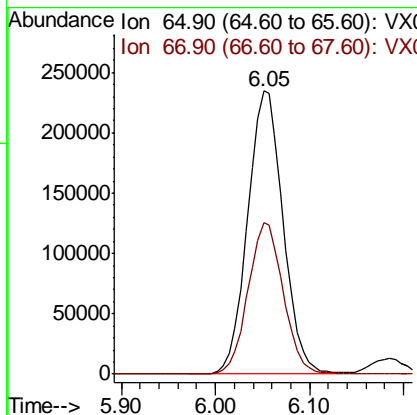
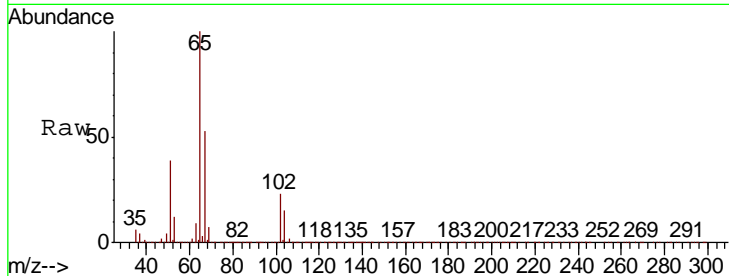
#33
 1,2-Dichloroethane-d4
 Concen: 96.860 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.0	0.0	106.4

Instrument : MSVOA_X
 ClientSampled : VX014011.D
 VSTDIC100

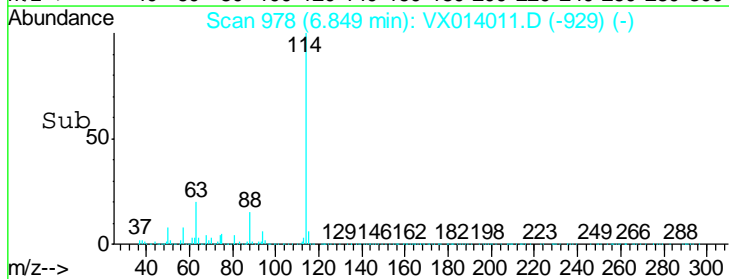
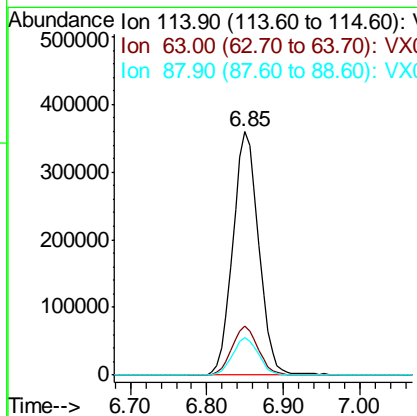
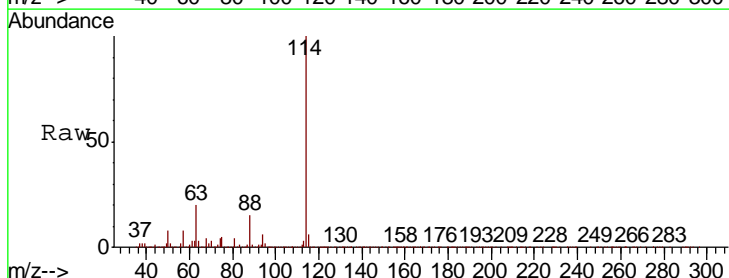
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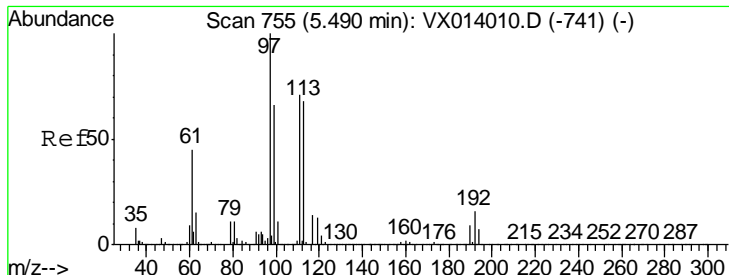
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	15.4	0.0	30.4





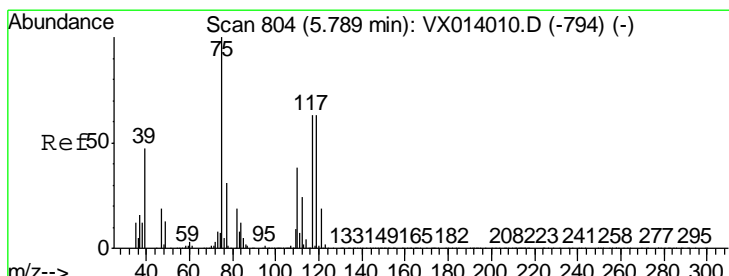
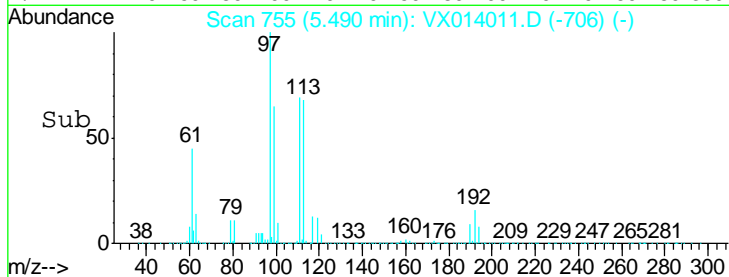
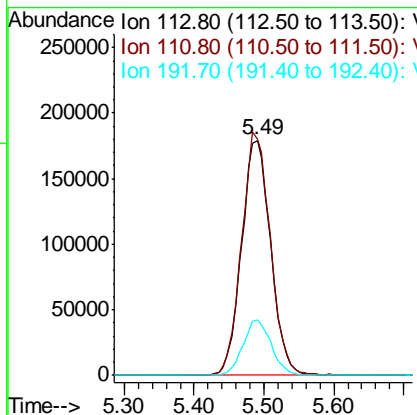
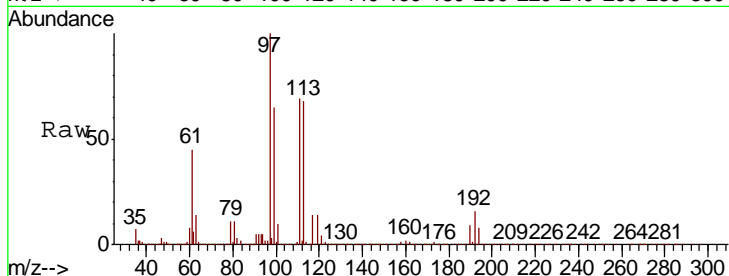
#35
 Dibromofluoromethane
 Concen: 98.617 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
113	516920		
113	100		
111	101.8	82.0	123.0
192	23.1	19.3	28.9

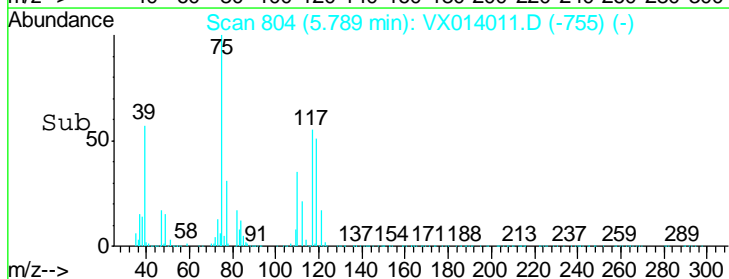
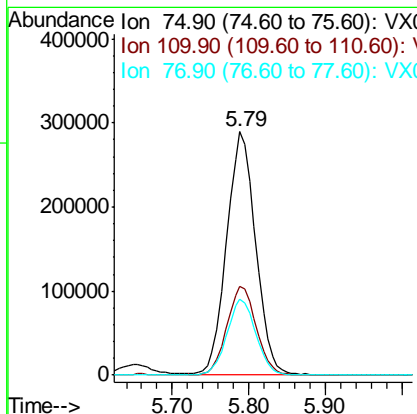
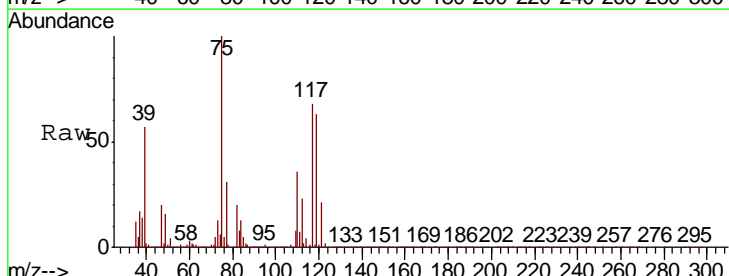
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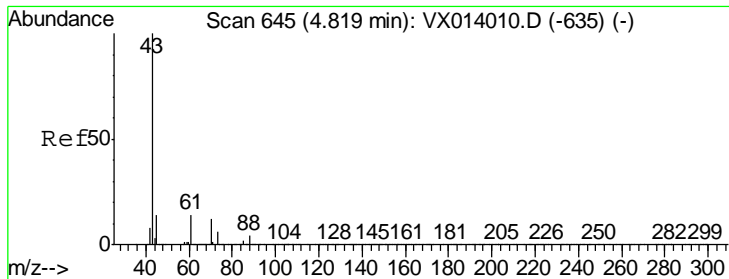
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#36
 1,1-Dichloropropene
 Concen: 99.053 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
75	758845		
75	100		
110	37.0	18.3	54.9
77	30.9	24.8	37.2





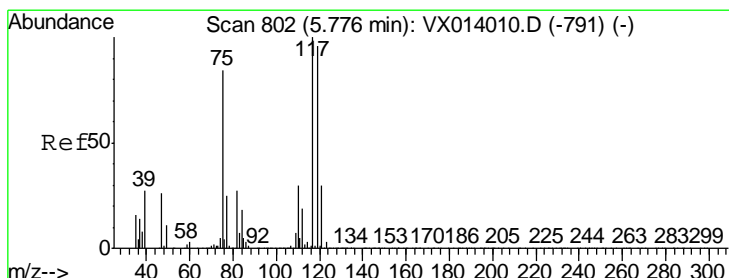
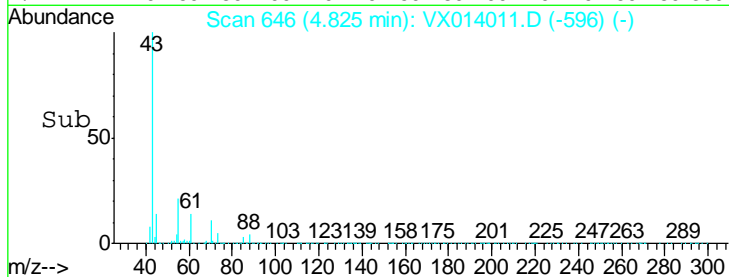
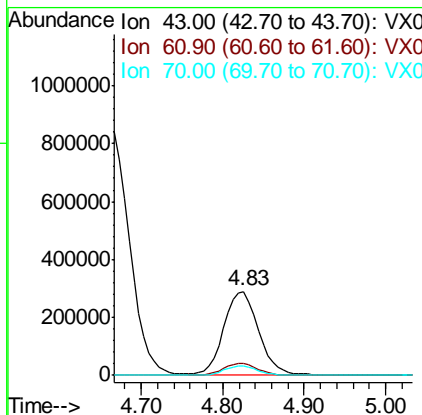
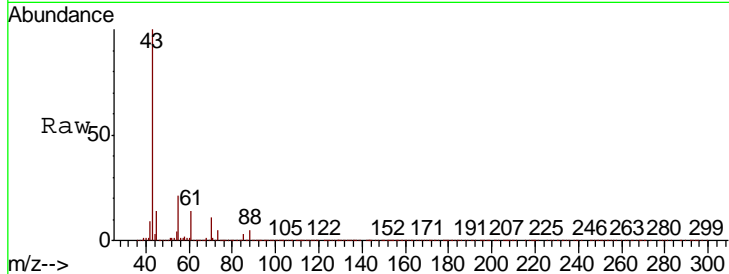
#37
 Ethyl Acetate
 Concen: 99.635 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.9	10.8	16.2
70	10.7	8.6	12.8

Instrument : MSVOA_X
 Client Sampled : VX014011.D
 VSTDIC100

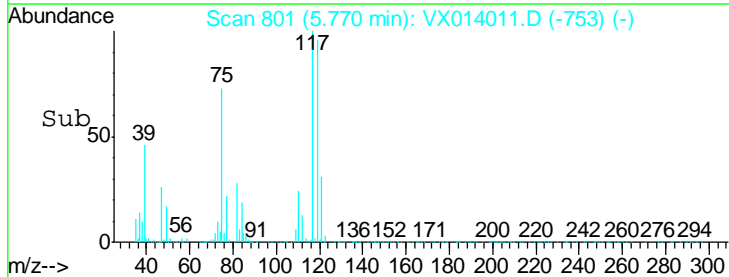
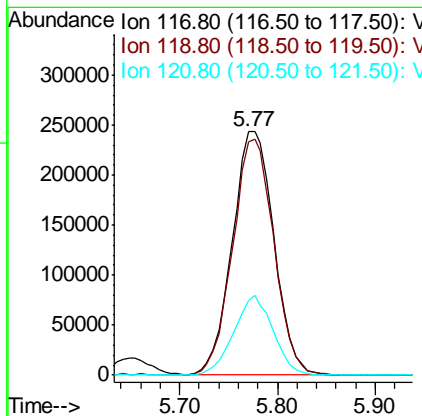
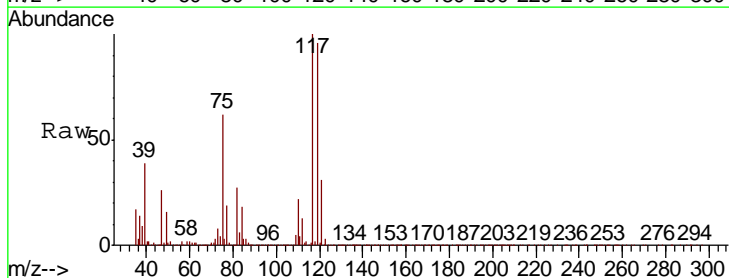
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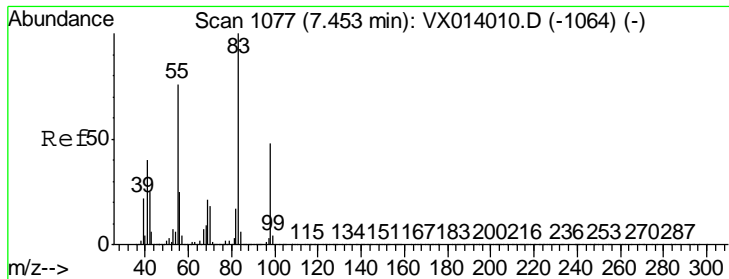
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#38
 Carbon Tetrachloride
 Concen: 101.788 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.7	76.2	114.4
121	30.5	23.6	35.4





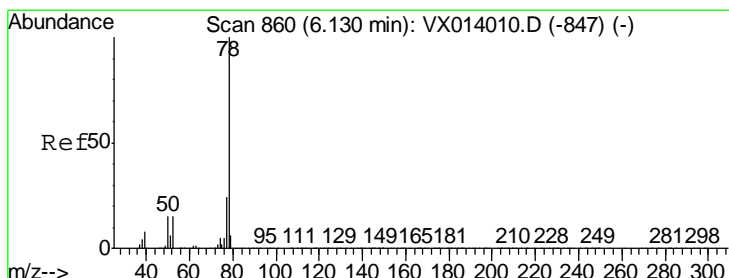
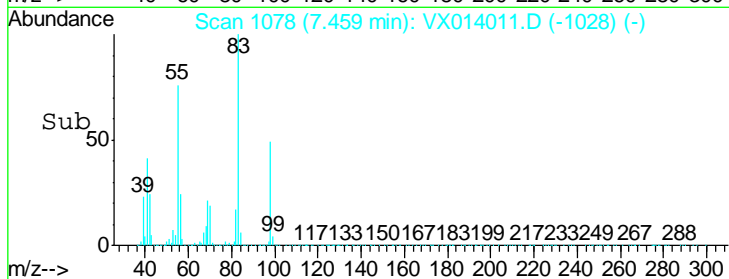
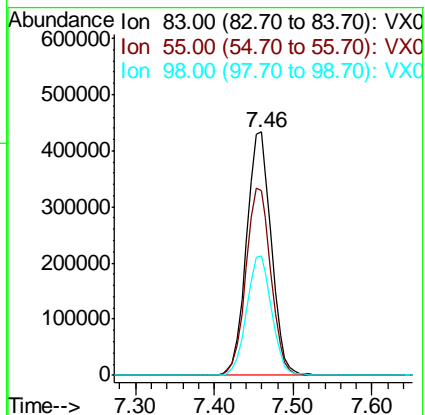
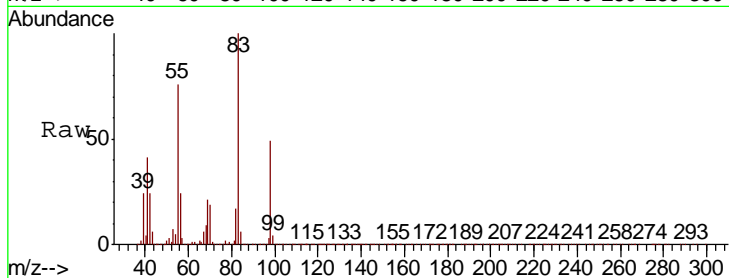
#39
 Methylcyclohexane
 Concen: 99.629 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	945088		
55	75.8	61.0	91.6
98	49.1	38.6	57.8

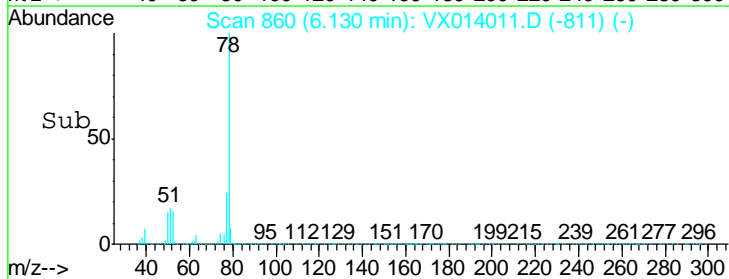
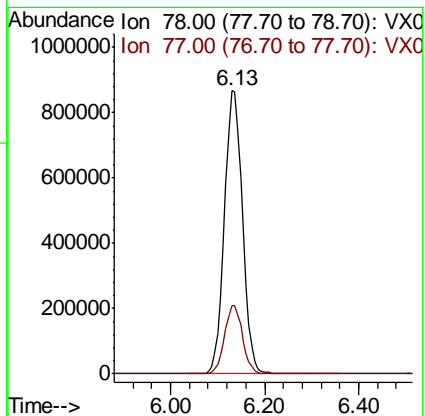
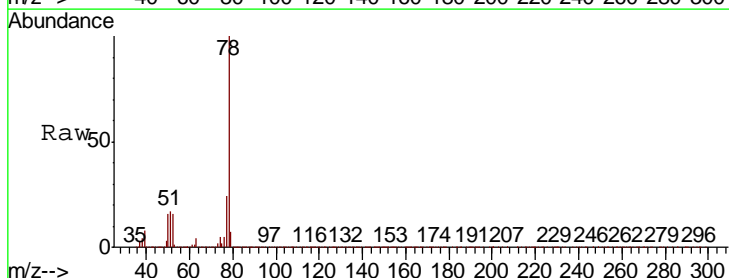
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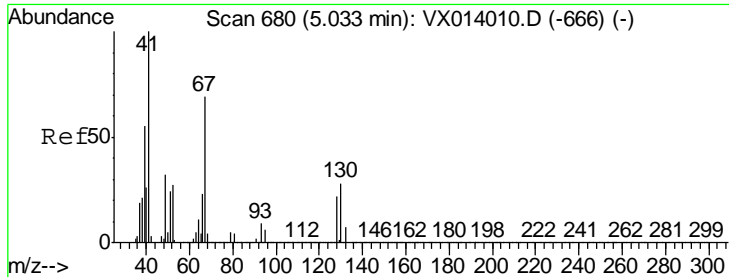
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#40
 Benzene
 Concen: 98.745 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
78	2308856		
77	24.3	18.8	28.2





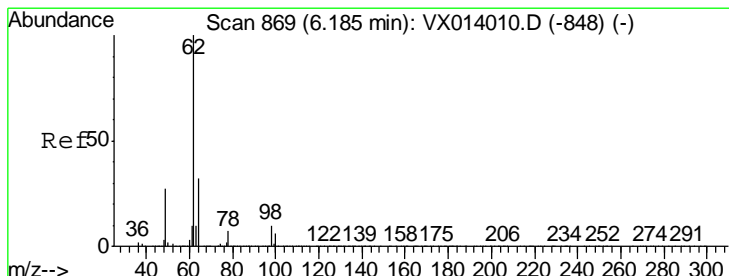
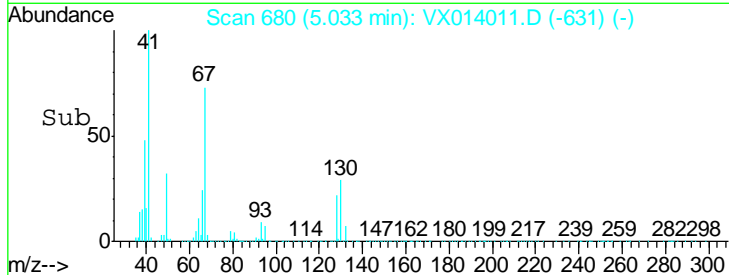
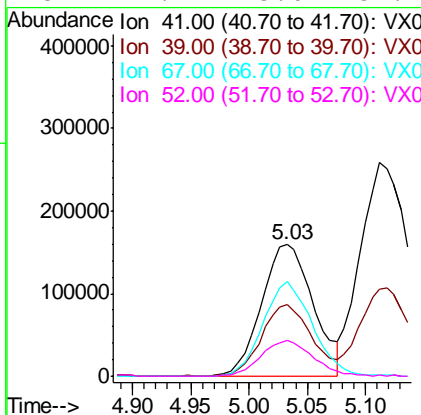
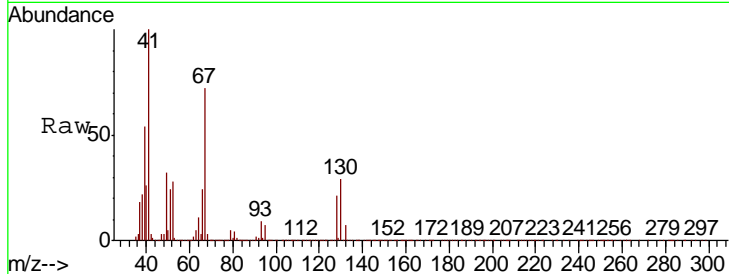
#41
 Methacrylonitrile
 Concen: 105.173 ug/l
 RT: 5.03 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
41	100		
39	52.5	44.5	66.7
67	68.7	57.4	86.0
52	27.1	23.0	34.4

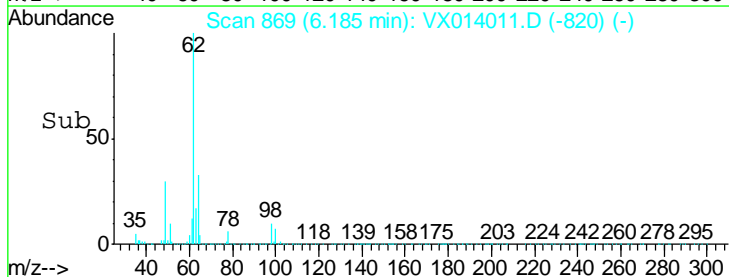
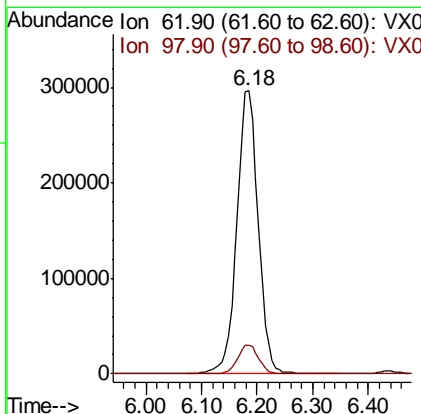
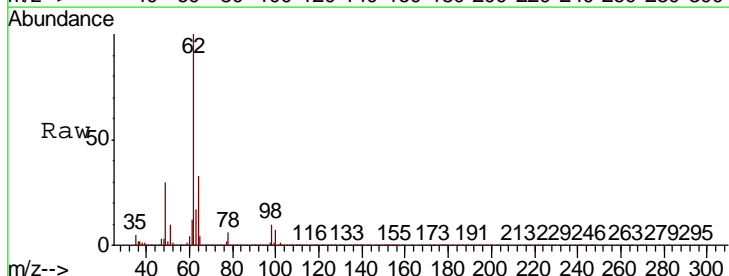
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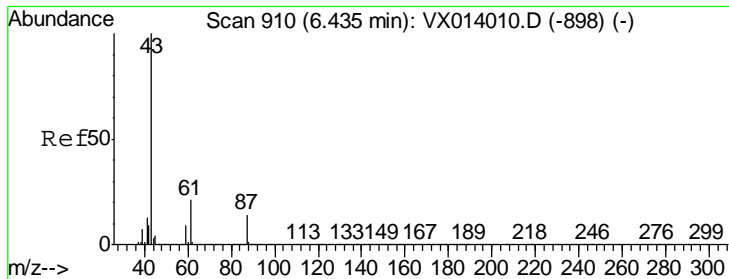
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#42
 1,2-Dichloroethane
 Concen: 98.762 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.1	0.0	21.0





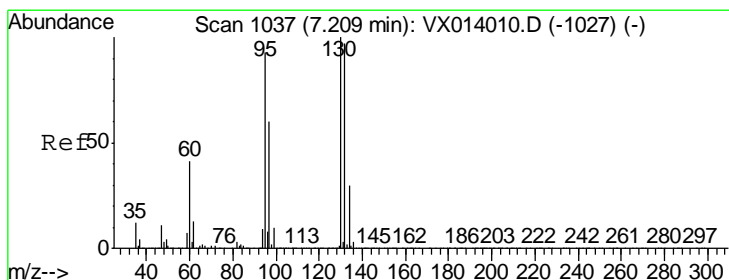
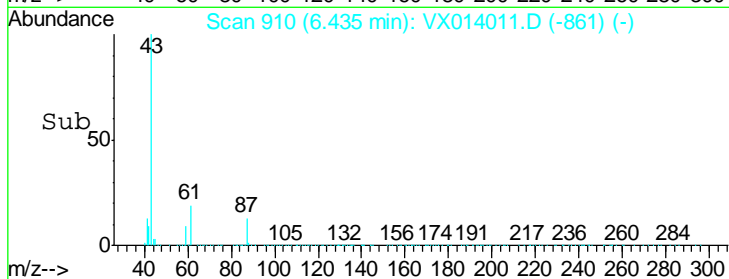
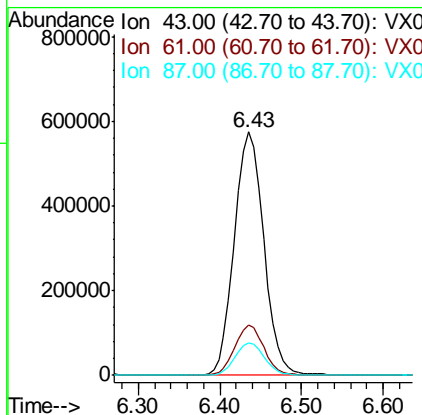
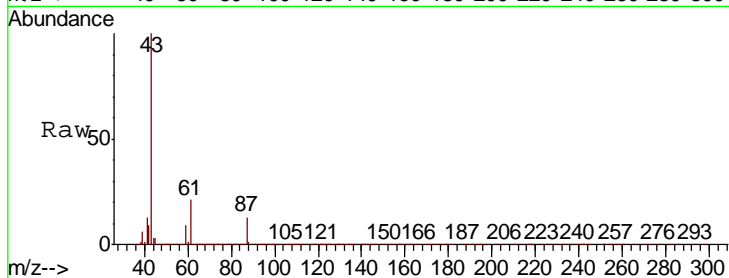
#43
 Isopropyl Acetate
 Concen: 102.057 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.2	16.4	24.6
87	13.2	10.7	16.1

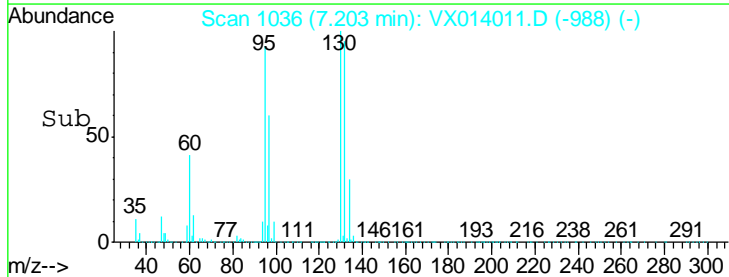
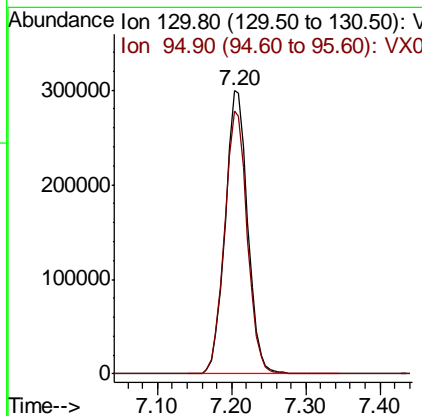
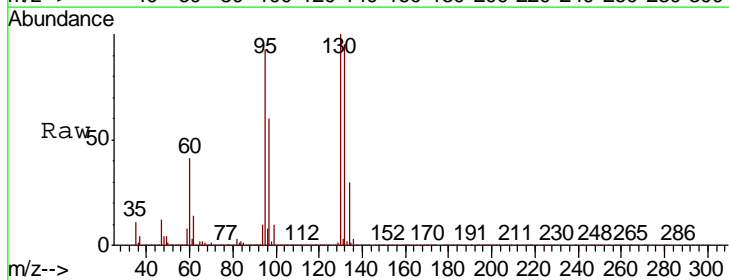
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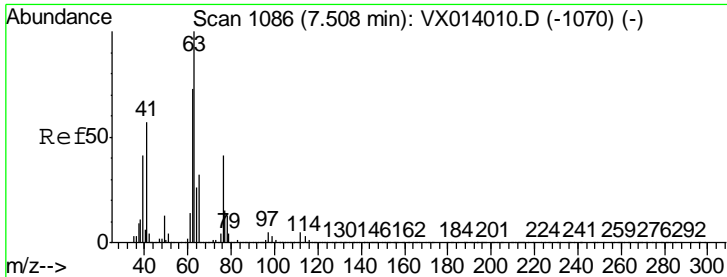
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#44
 Trichloroethene
 Concen: 98.707 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
130	100		
95	92.7	0.0	185.6



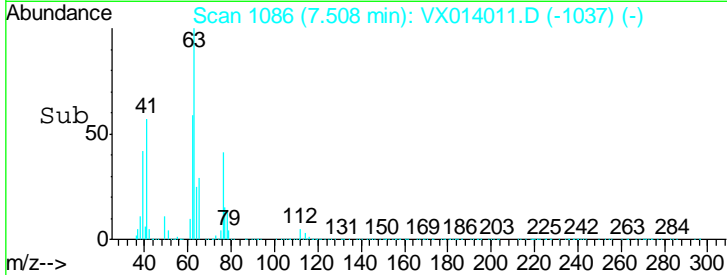
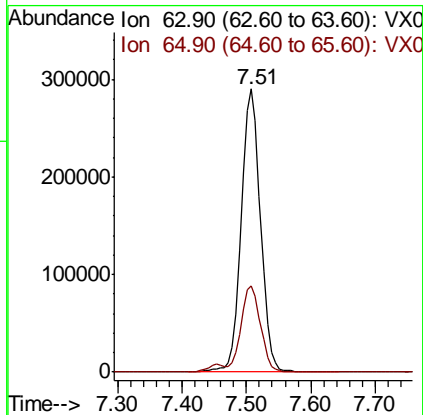
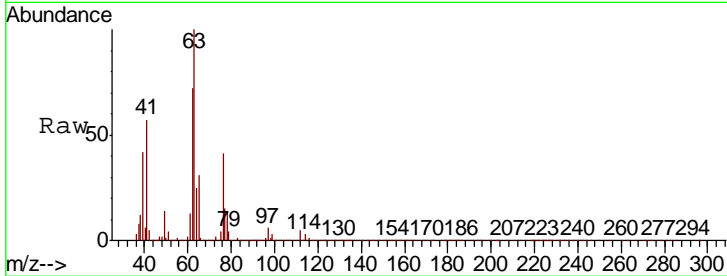


#45
 1,2-Dichloropropane
 Concen: 101.971 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.6	25.8	38.8

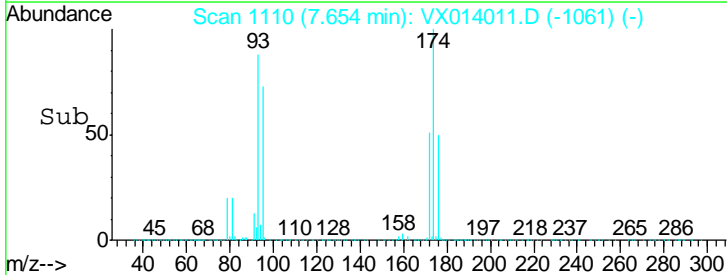
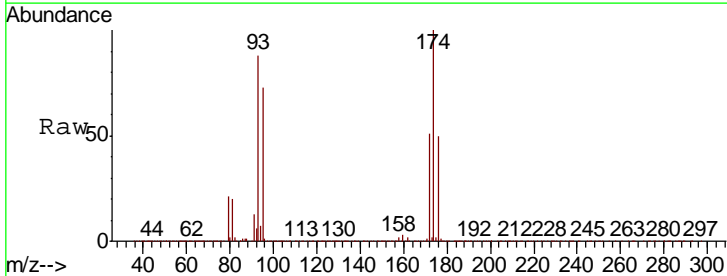
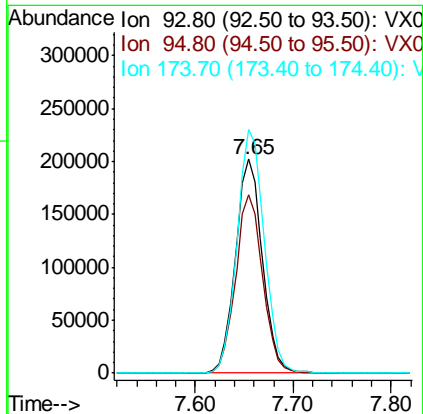
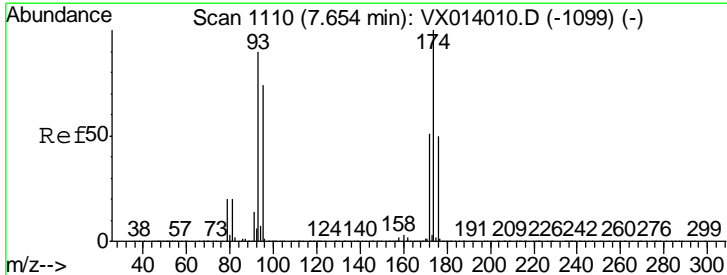
Instrument : MSVOA_X
 Client Sampled : VSTDIC100

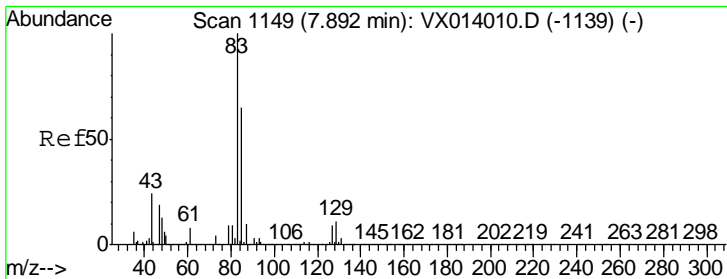
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#46
 Dibromomethane
 Concen: 96.955 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.8	67.3	100.9
174	116.0	91.6	137.4





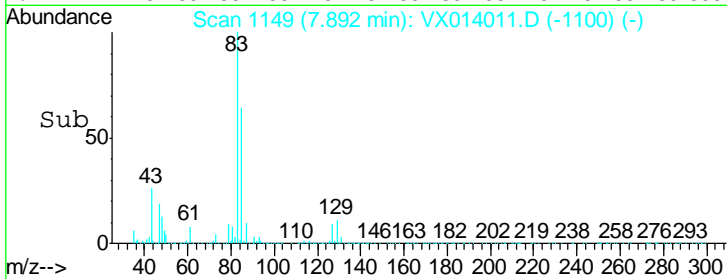
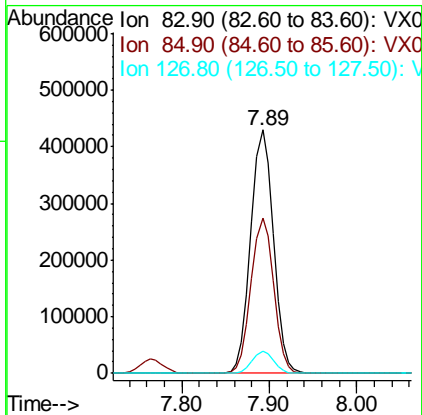
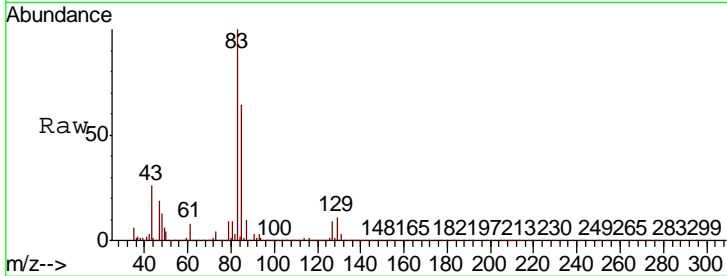
#47
 Bromodichloromethane
 Concen: 103.479 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	775778		
83	100		
85	63.5	51.8	77.8
127	8.9	7.0	10.4

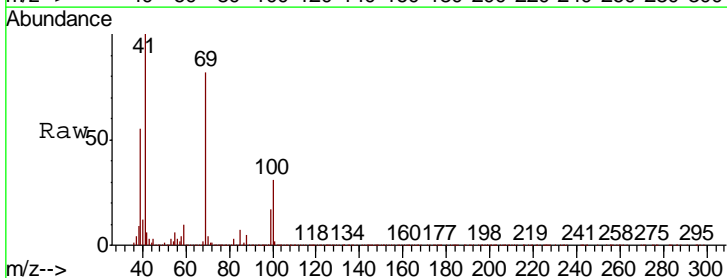
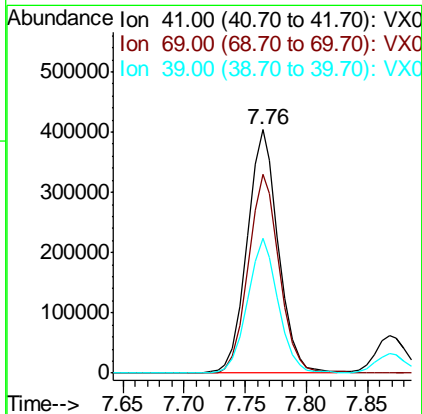
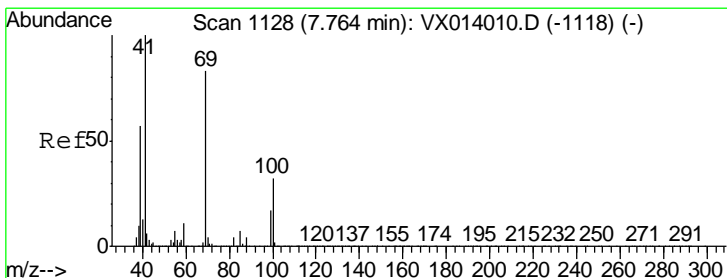
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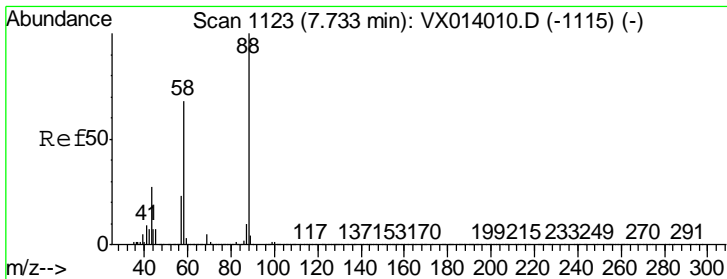
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#48
 Methyl methacrylate
 Concen: 104.318 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
41	713945		
41	100		
69	81.8	65.8	98.6
39	54.4	44.6	67.0





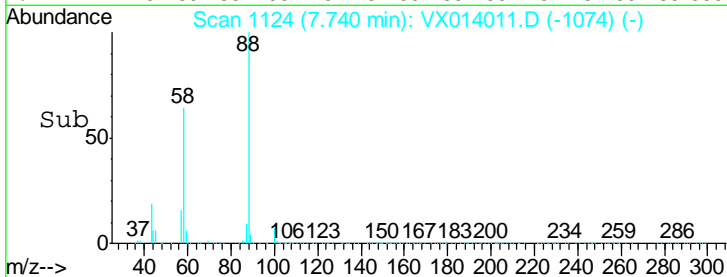
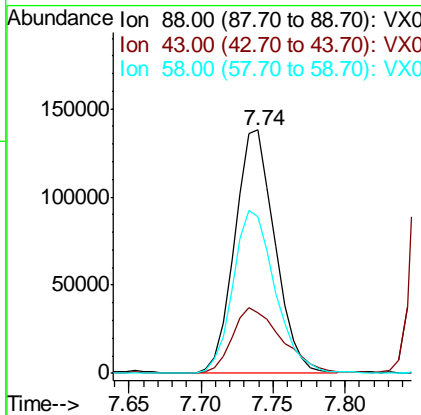
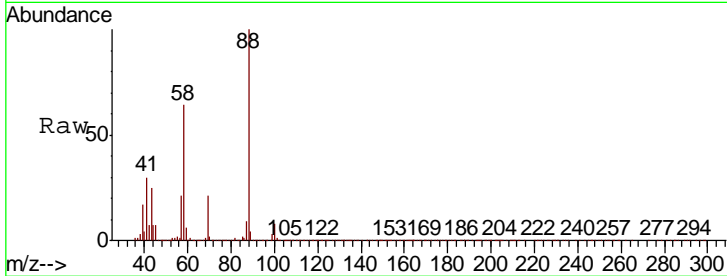
#49
 1,4-Dioxane
 Concen: 1767.914 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
88	266492		
43	33.0	26.5	39.7
58	70.5	56.8	85.2

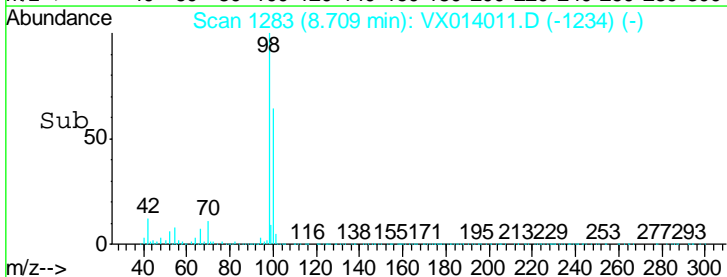
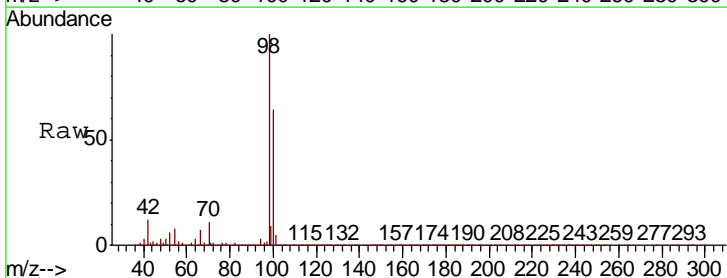
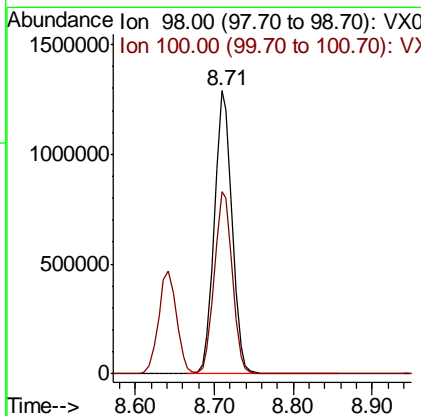
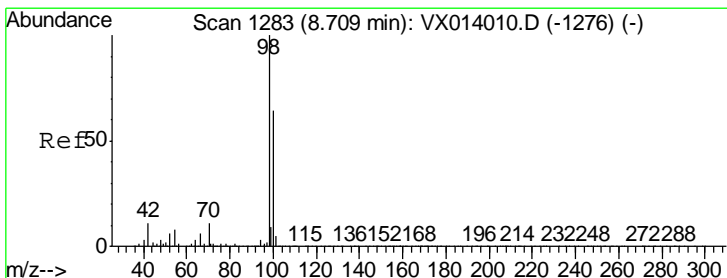
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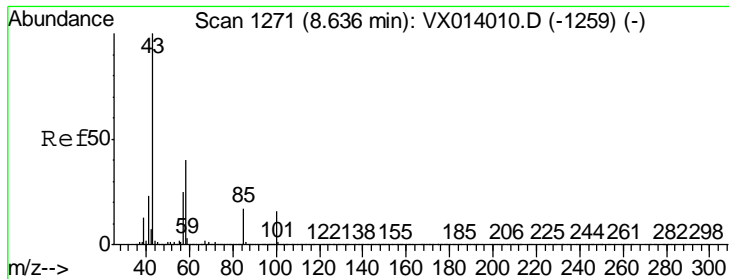
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#50
 Toluene-d8
 Concen: 97.932 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
98	2007259		
100	65.7	52.9	79.3





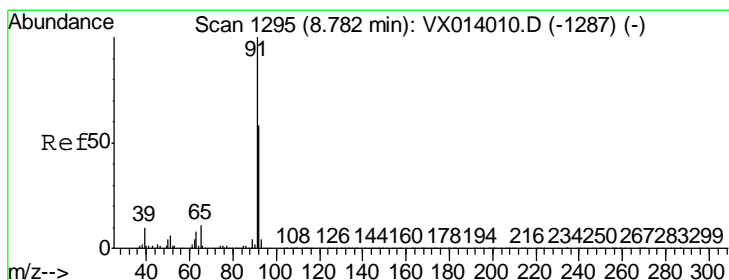
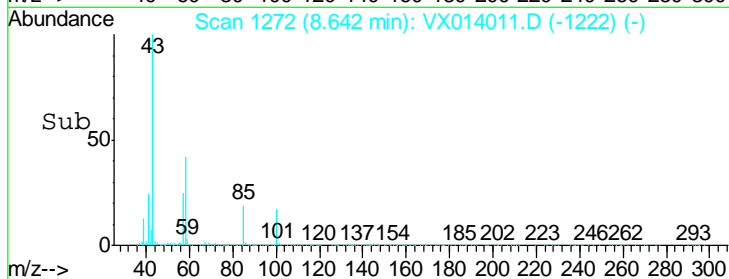
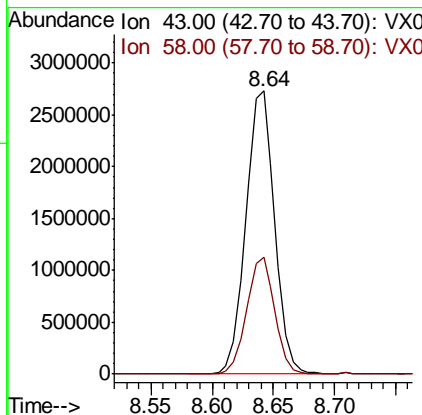
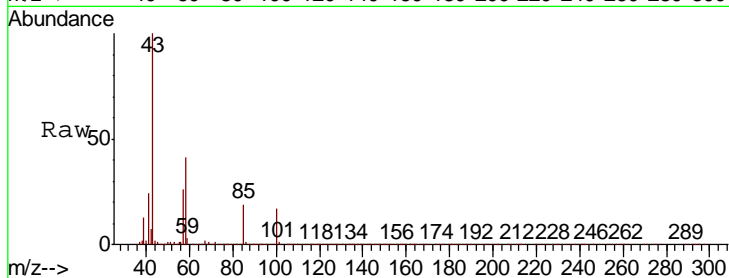
#51
 4-Methyl-2-Pentanone
 Concen: 502.518 ug/l
 RT: 8.64 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.5	32.2	48.2

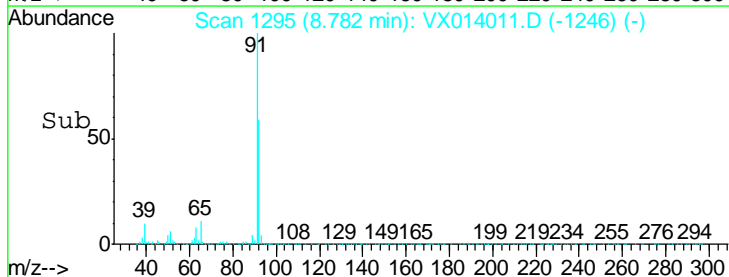
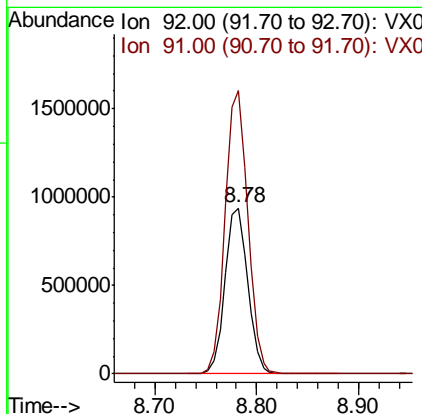
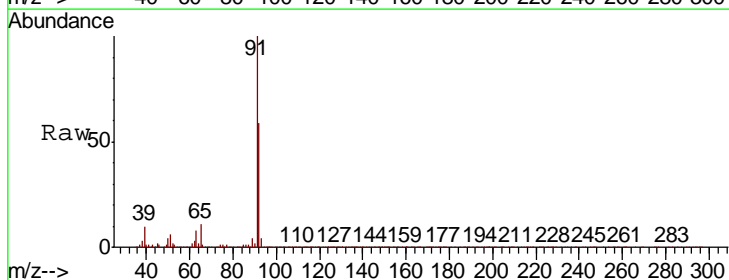
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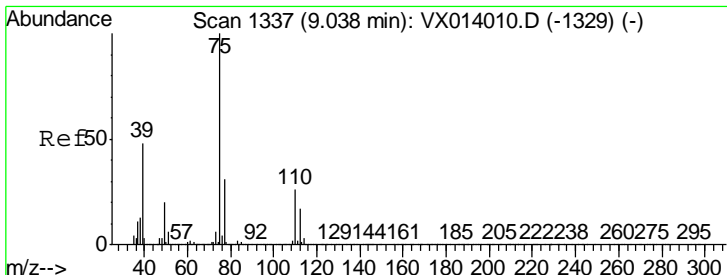
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#52
 Toluene
 Concen: 99.705 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
92	100		
91	170.2	136.2	204.4





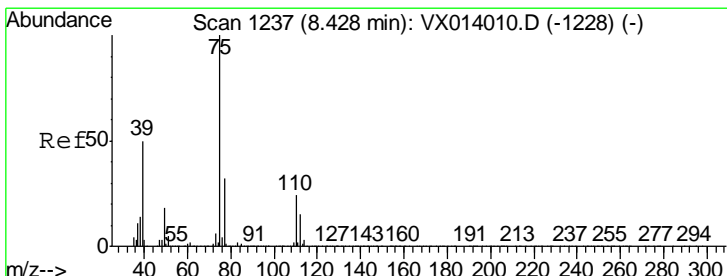
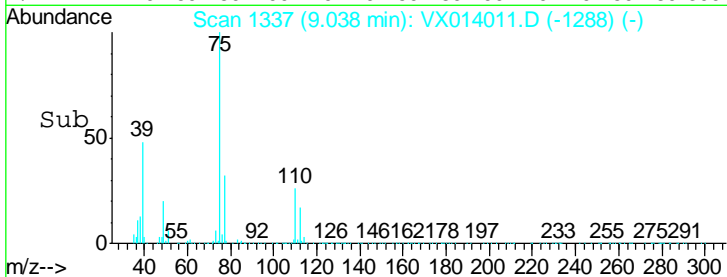
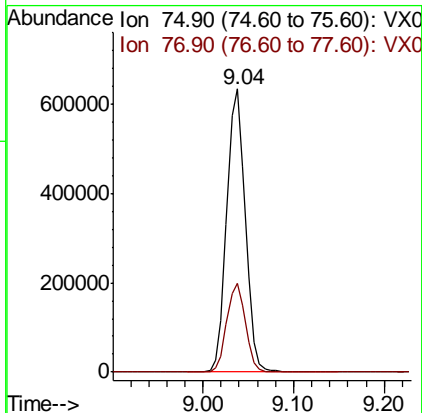
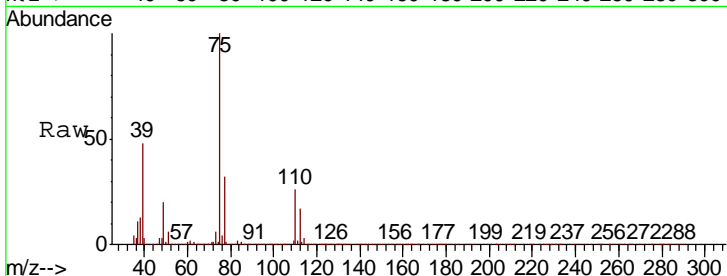
#53
 t-1,3-Dichloropropene
 Concen: 105.583 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	900433		
75	100		
77	31.5	25.1	37.7

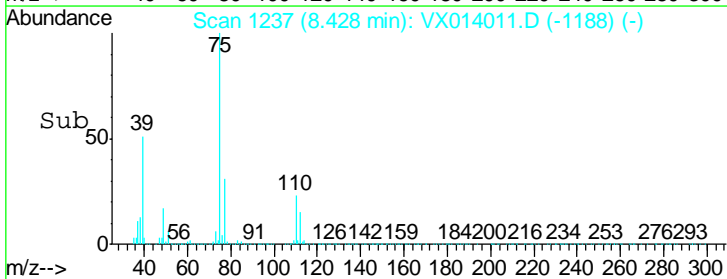
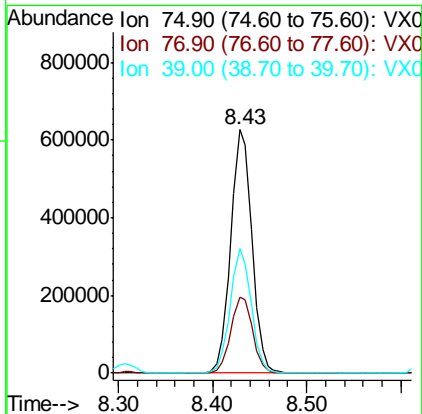
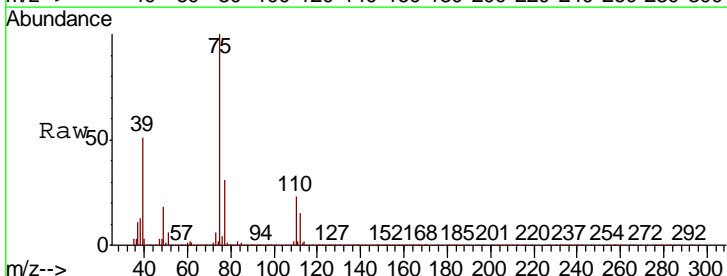
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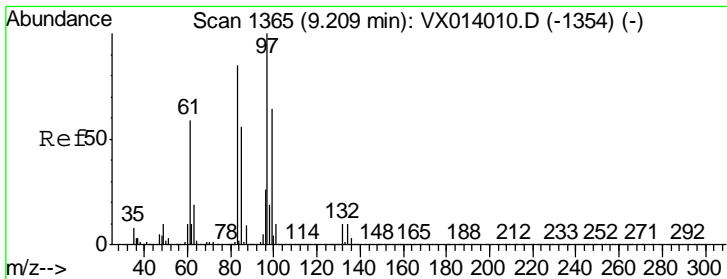
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#54
 cis-1,3-Dichloropropene
 Concen: 104.939 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
75	978680		
75	100		
77	31.2	25.3	37.9
39	51.0	39.9	59.9





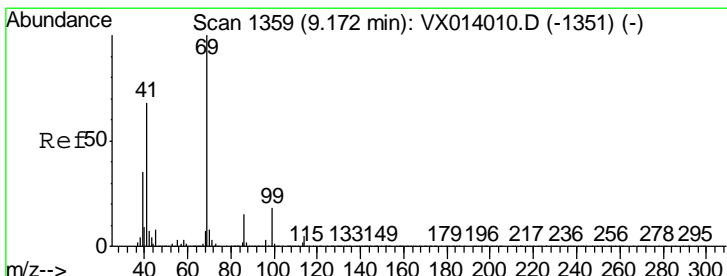
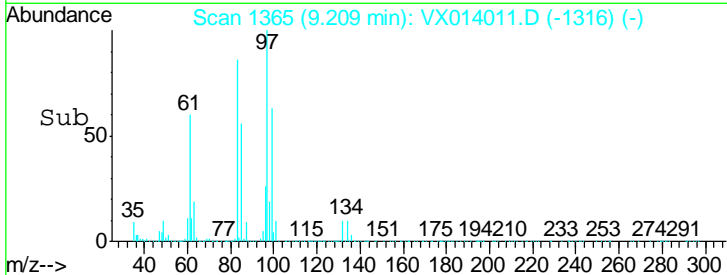
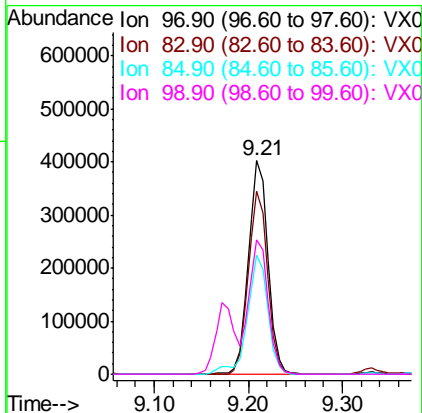
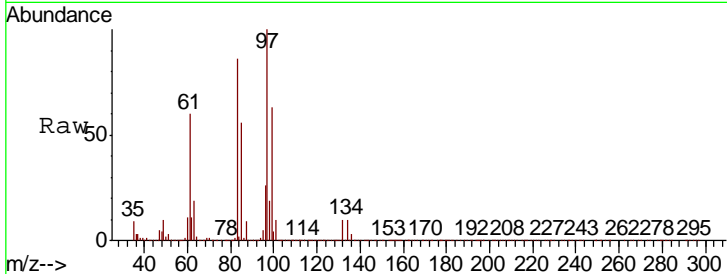
#55
 1,1,2-Trichloroethane
 Concen: 100.026 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
97	100		
83	85.5	68.2	102.4
85	55.8	44.6	66.8
99	63.2	51.4	77.0

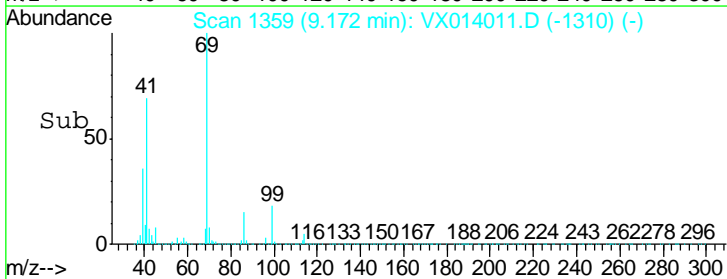
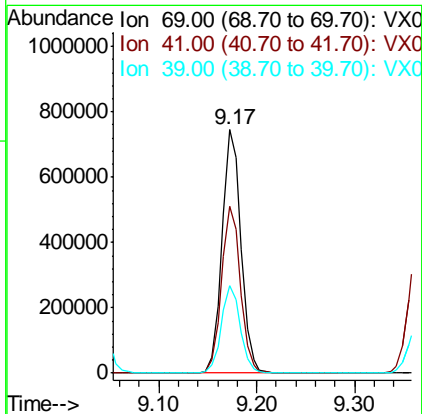
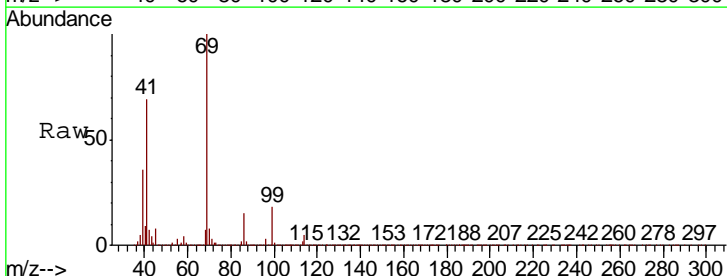
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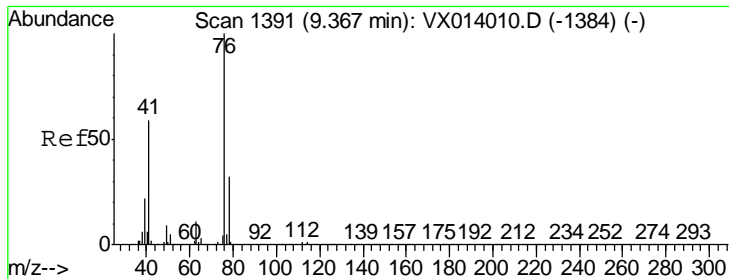
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#56
 Ethyl methacrylate
 Concen: 106.259 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
69	100		
41	68.2	54.8	82.2
39	35.7	28.3	42.5





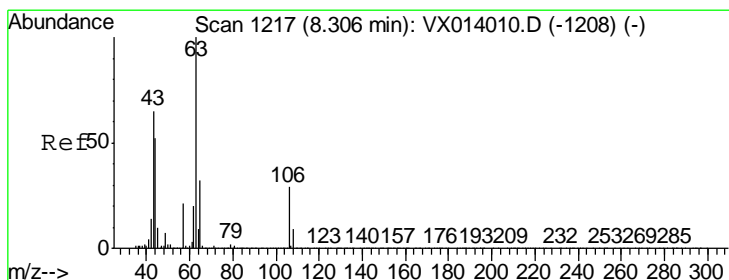
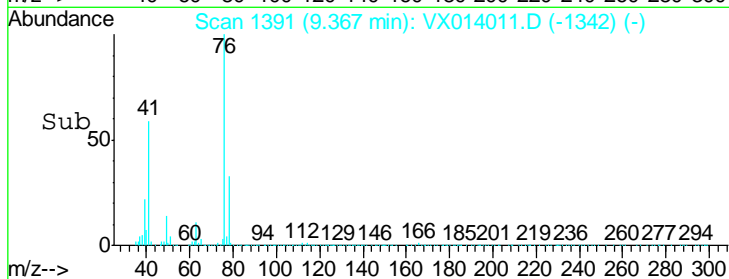
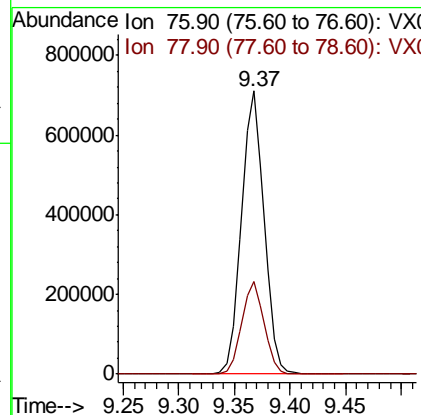
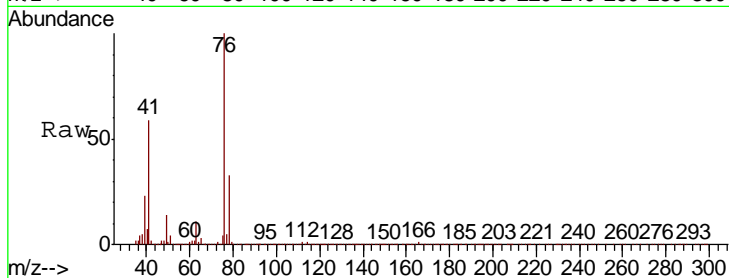
#57
 1,3-Dichloropropane
 Concen: 98.559 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	995630		
76	100		
78	32.4	25.8	38.6

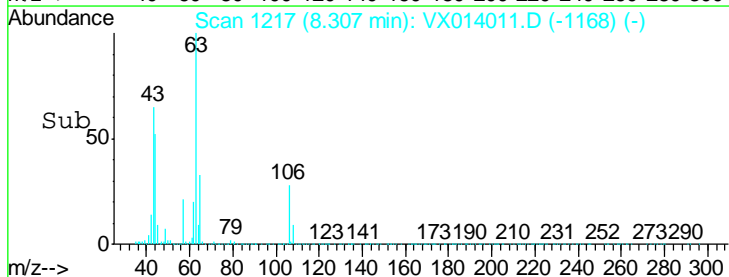
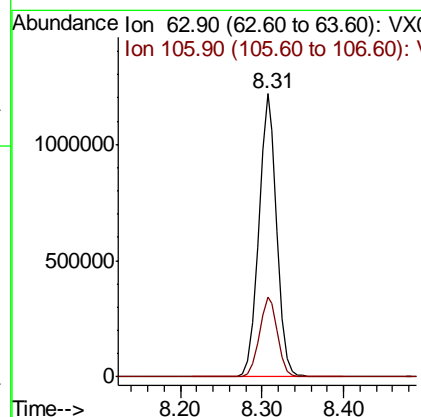
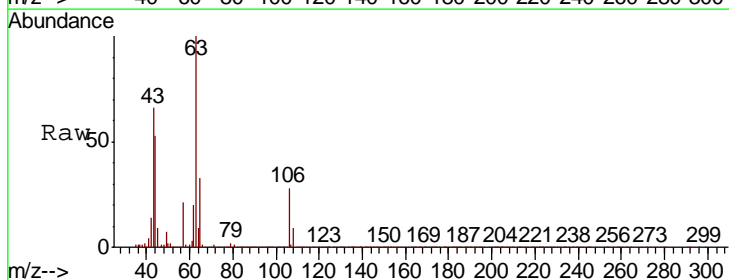
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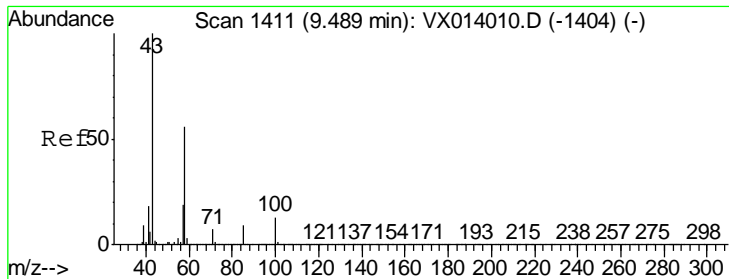
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#58
 2-Chloroethyl Vinyl ether
 Concen: 508.509 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
63	1879120		
63	100		
106	28.8	23.0	34.6





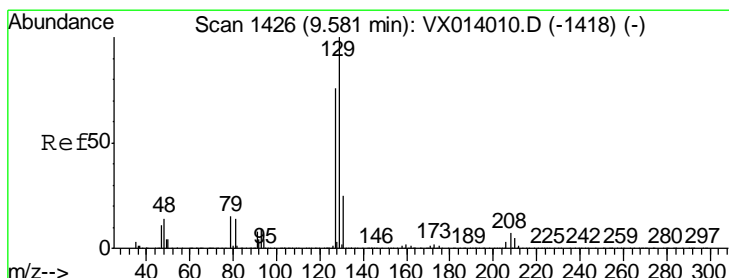
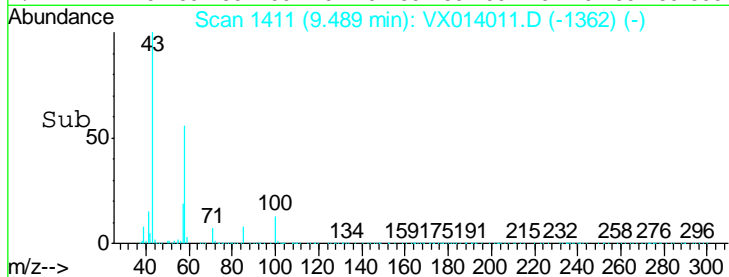
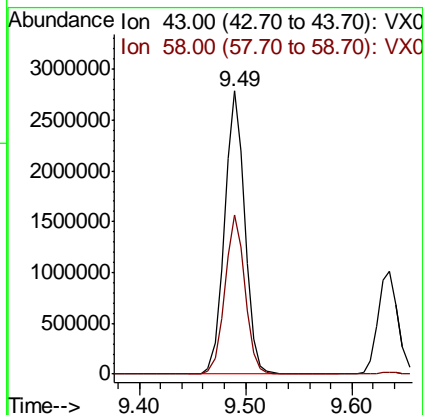
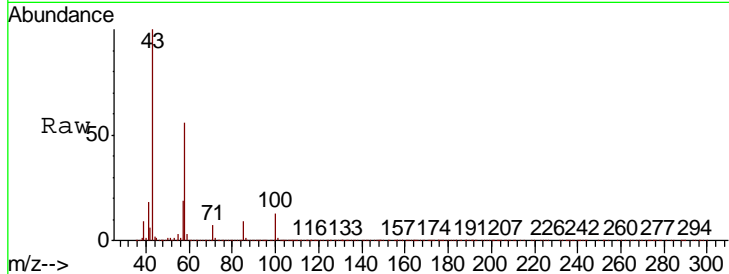
#59
 2-Hexanone
 Concen: 528.666 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.0	28.0	84.0

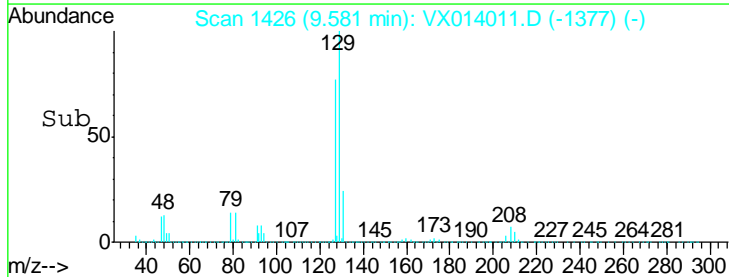
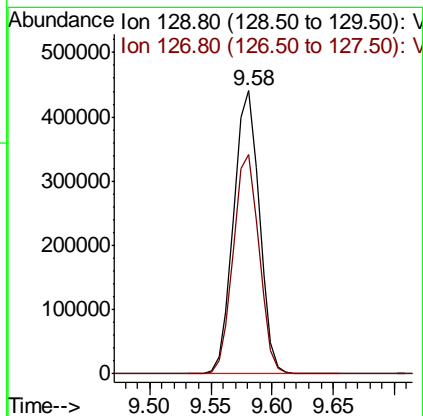
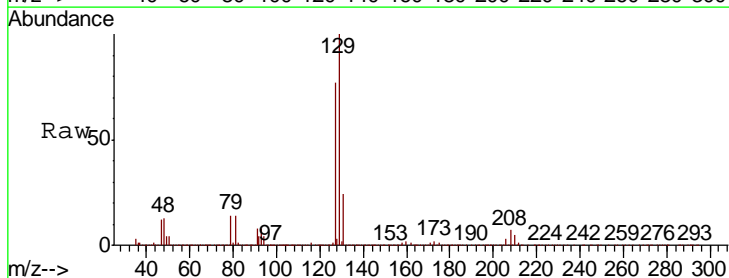
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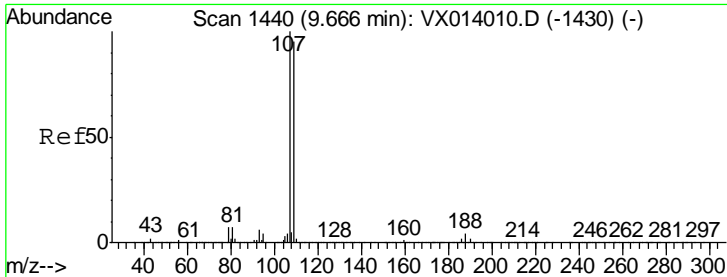
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#60
 Dibromochloromethane
 Concen: 105.869 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.5	38.4	115.2





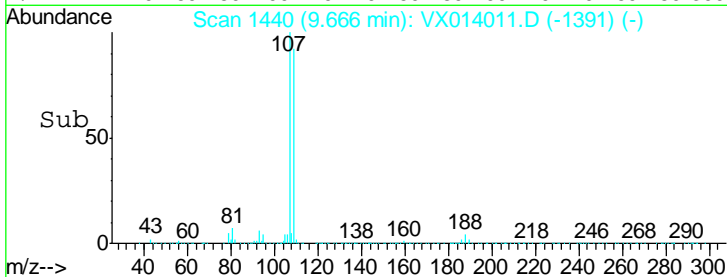
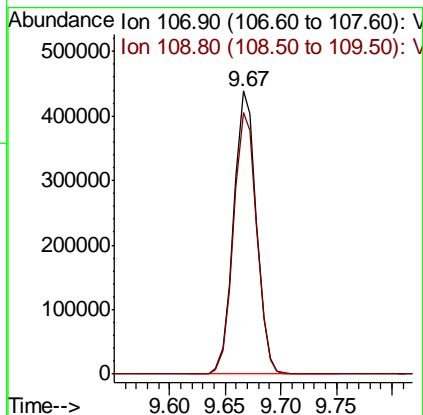
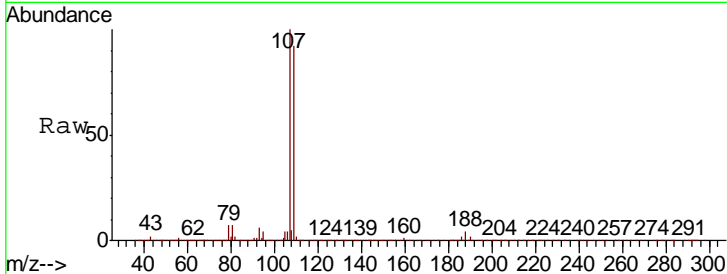
#61
 1,2-Dibromoethane
 Concen: 98.996 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
107	618127		
109	94.9	75.7	113.5

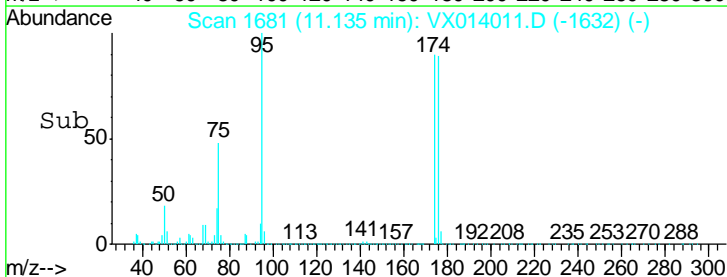
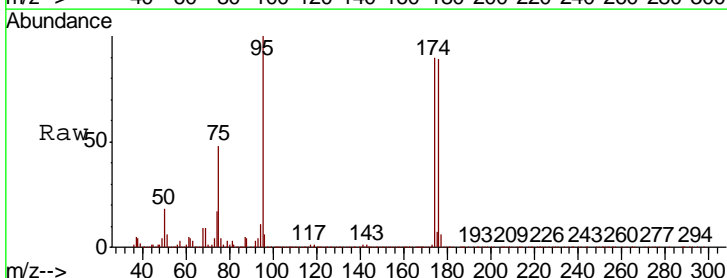
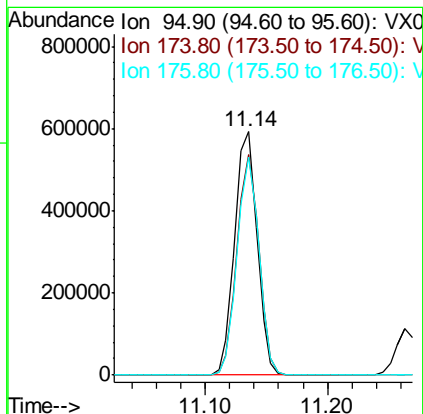
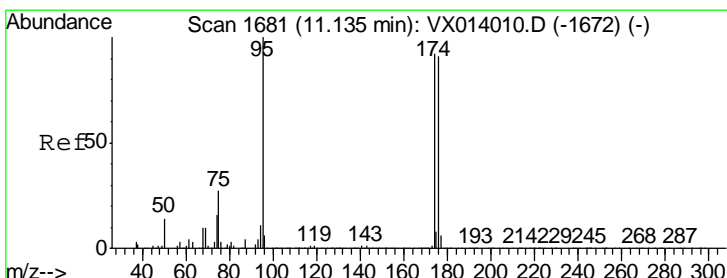
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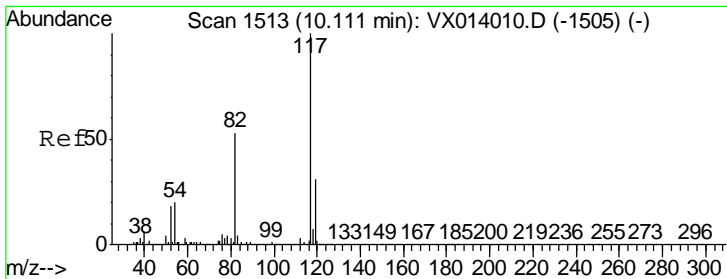
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#62
 4-Bromofluorobenzene
 Concen: 101.442 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
95	751769		
174	88.5	0.0	175.8
176	86.9	0.0	173.0





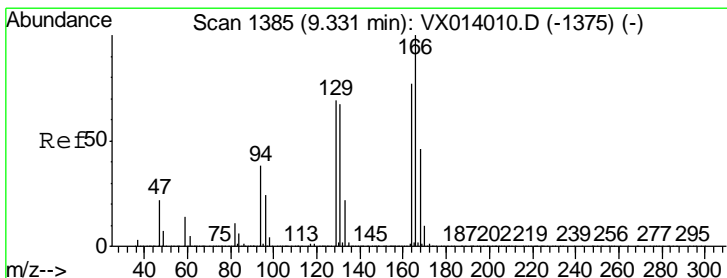
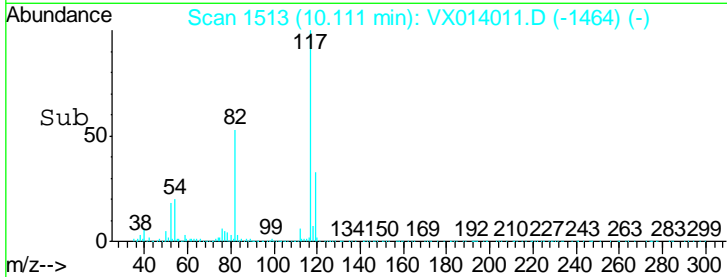
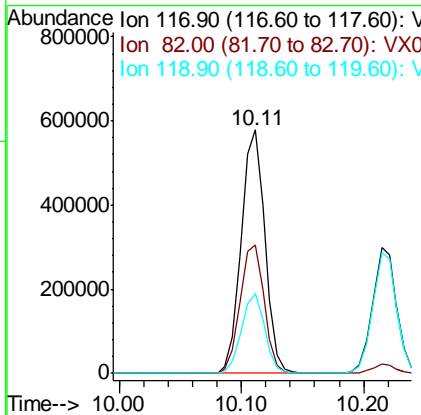
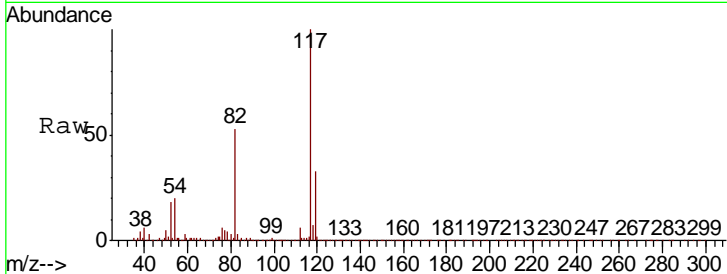
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
117	100		
82	52.6	42.2	63.4
119	32.7	25.1	37.7

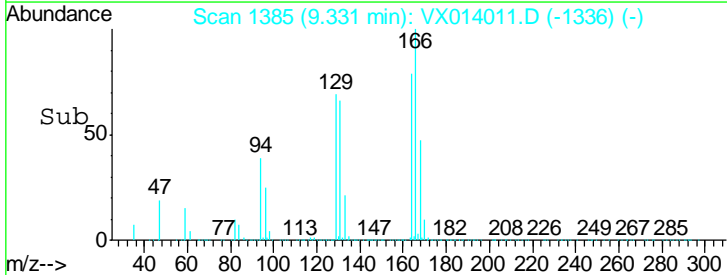
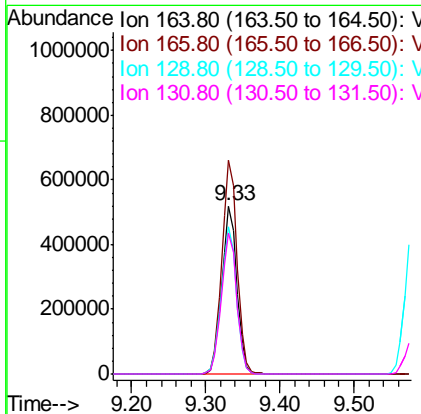
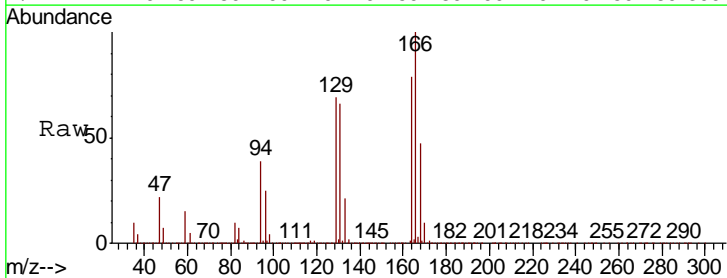
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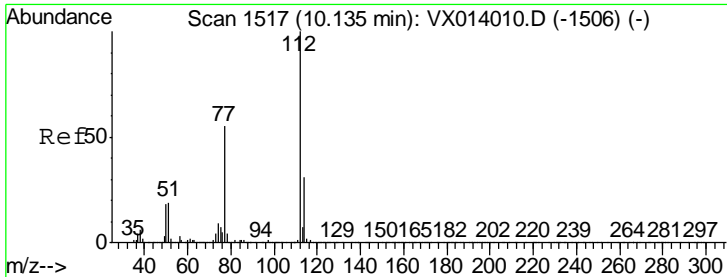
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#64
 Tetrachloroethene
 Concen: 122.222 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.1	104.0	156.0
129	87.5	72.2	108.4
131	84.0	69.6	104.4





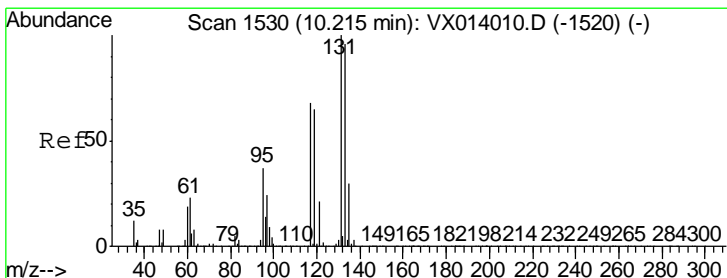
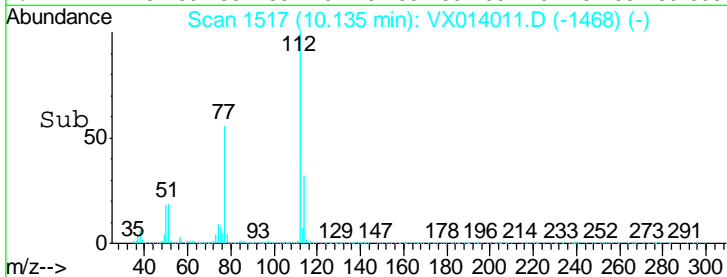
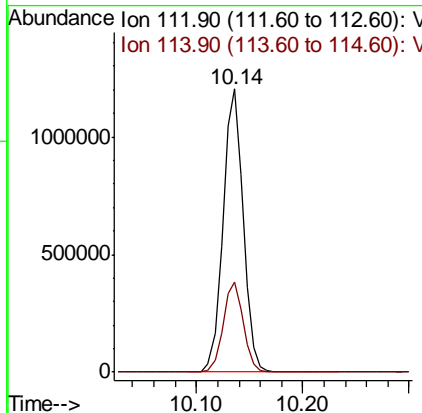
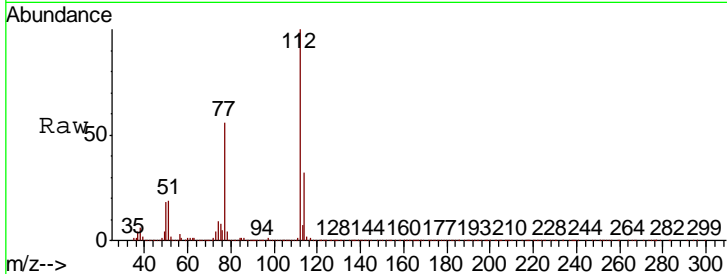
#65
 Chlorobenzene
 Concen: 98.056 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
112	1585660		
114	31.9	24.9	37.3

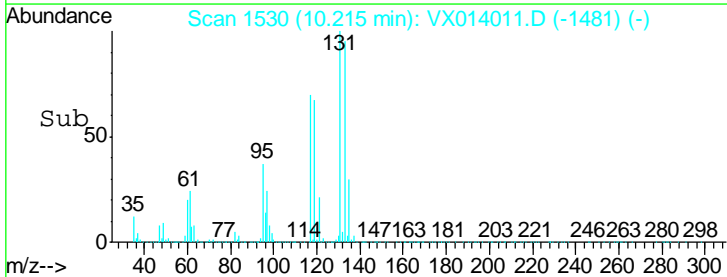
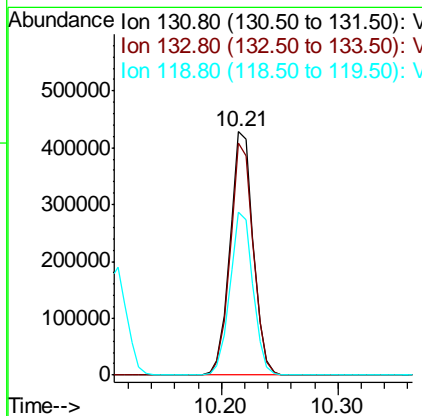
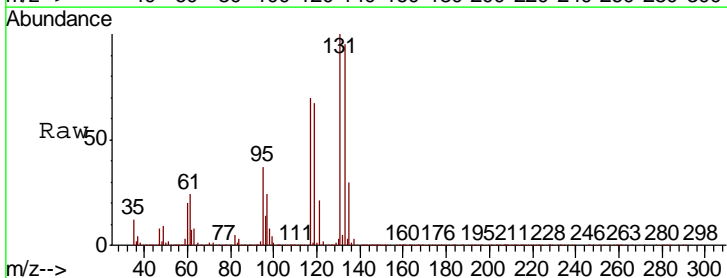
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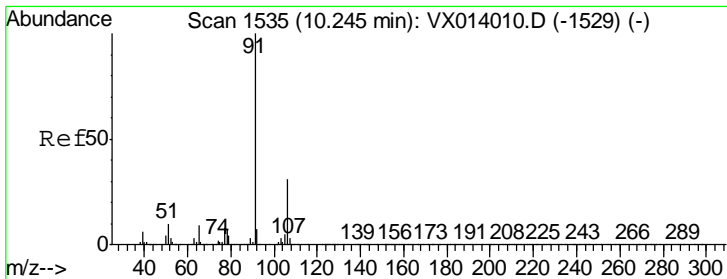
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 102.094 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
131	591151		
133	94.9	48.0	144.0
119	66.4	33.4	100.2





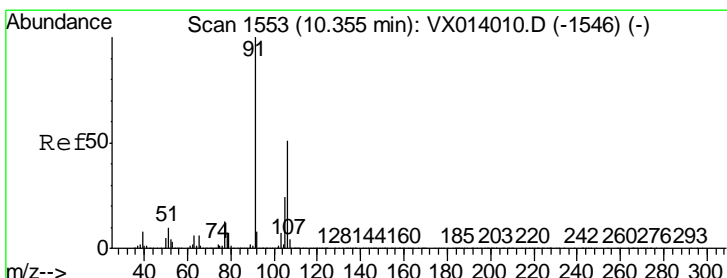
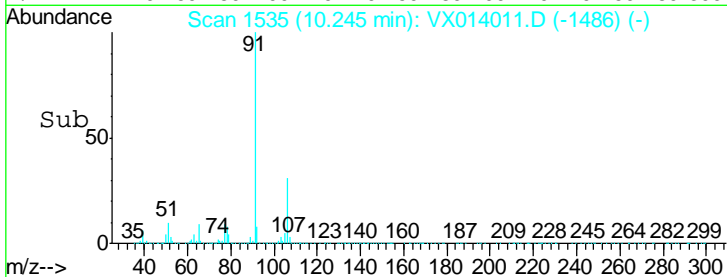
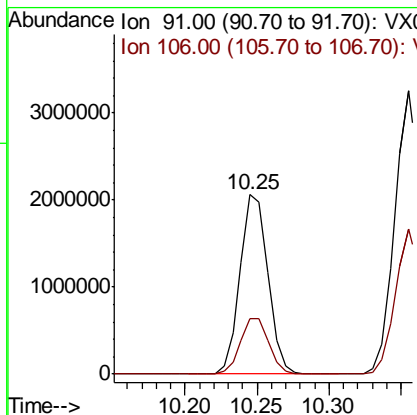
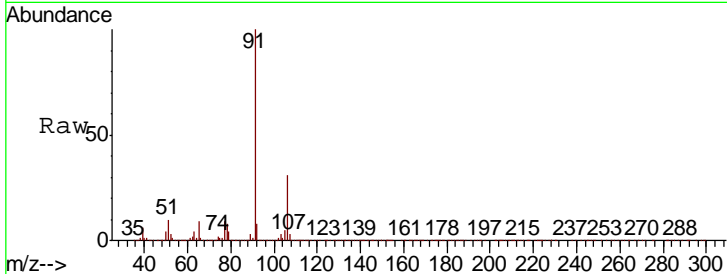
#67
 Ethyl Benzene
 Concen: 99.813 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion: 91 Resp: 2770473
 Ion Ratio Lower Upper
 91 100
 106 31.0 25.0 37.6

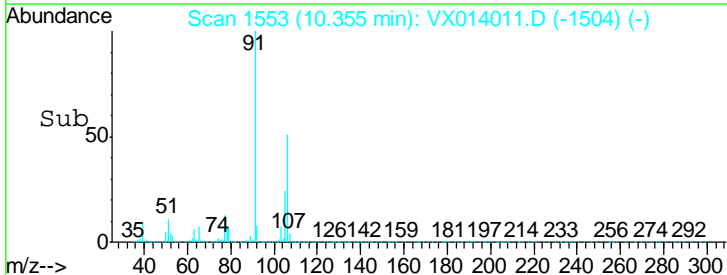
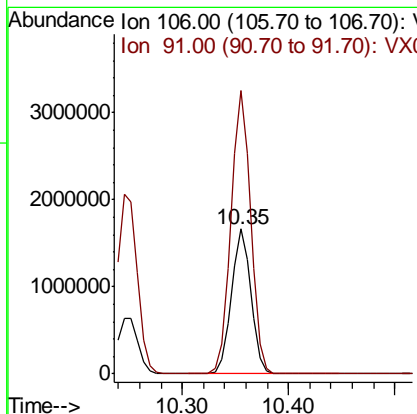
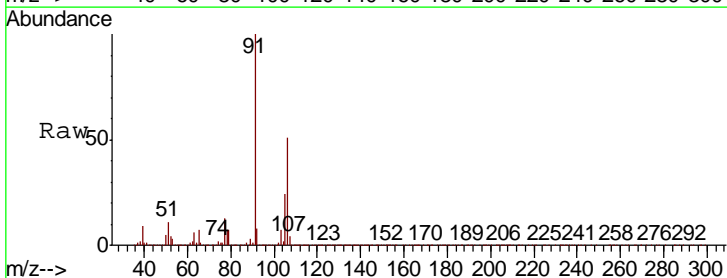
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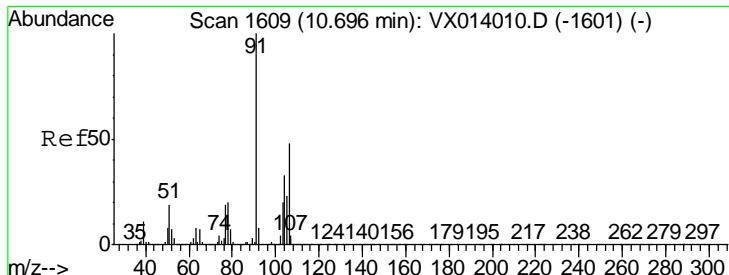
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#68
 m/p-Xylenes
 Concen: 201.972 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 106 Resp: 2149249
 Ion Ratio Lower Upper
 106 100
 91 197.4 158.6 238.0





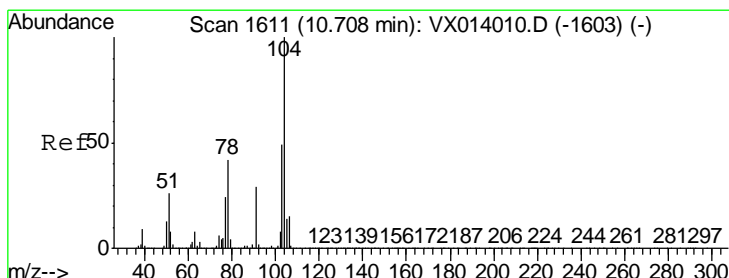
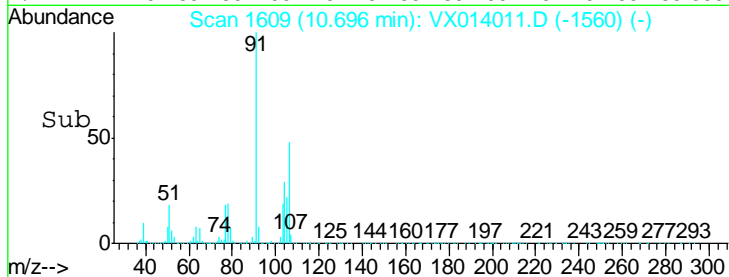
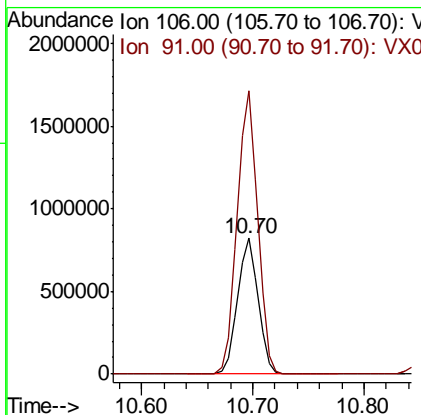
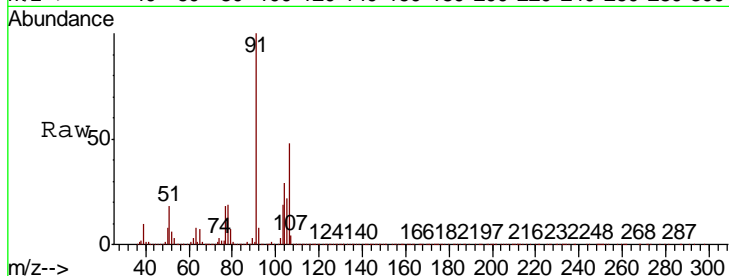
#69
 o-Xylene
 Concen: 101.159 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
106	1049787		
106	100		
91	208.5	104.2	312.6

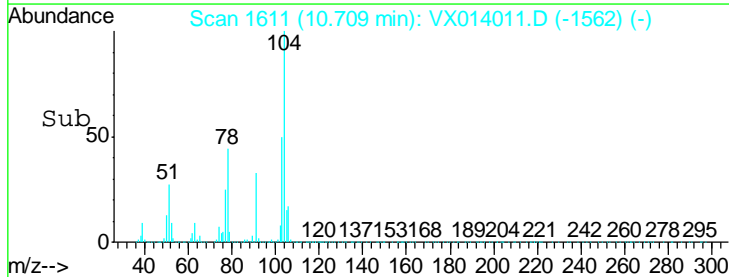
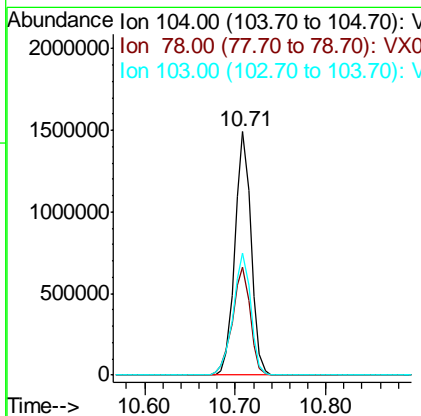
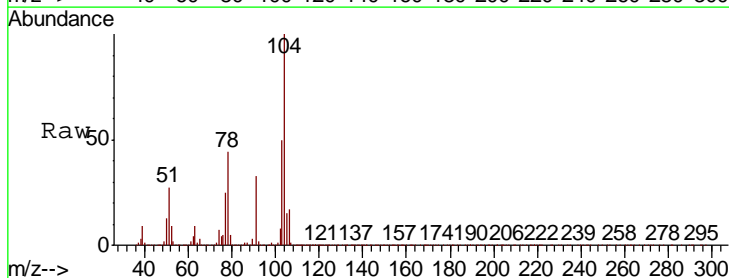
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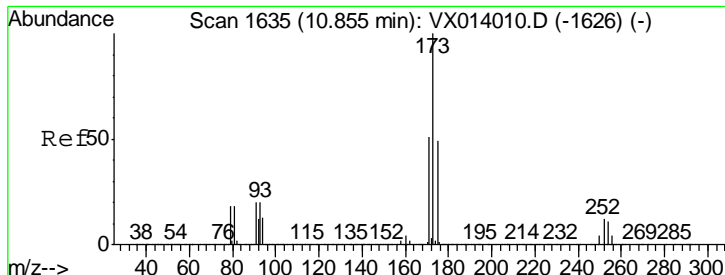
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#70
 Styrene
 Concen: 105.053 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
104	1839187		
104	100		
78	48.9	38.5	57.7
103	54.5	42.9	64.3





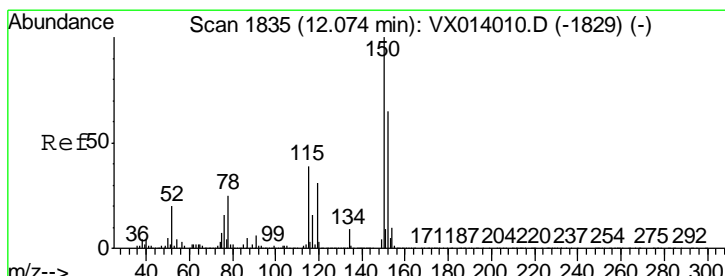
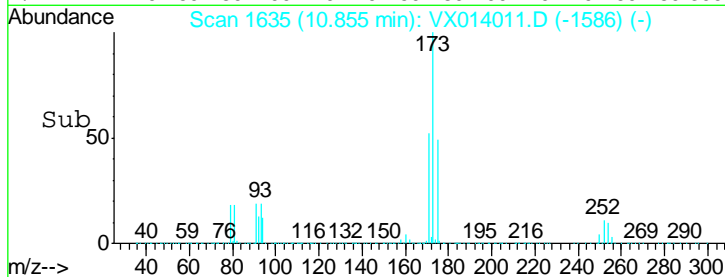
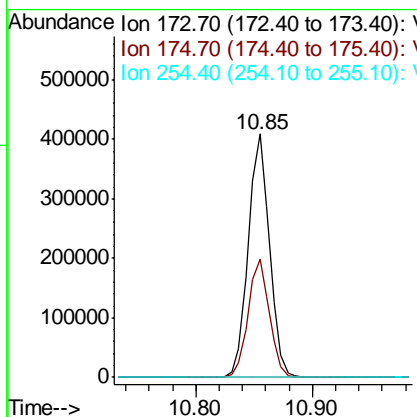
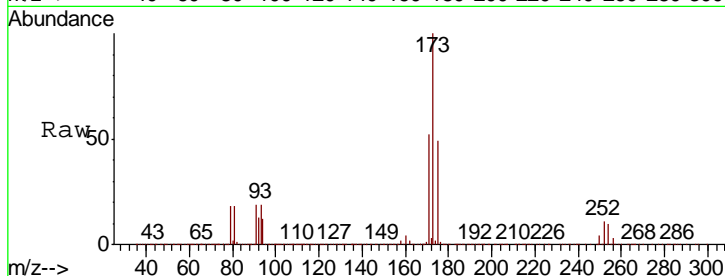
#71
 Bromoform
 Concen: 109.295 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
173	521997		
175	48.6	24.4	73.4
254	0.2	0.2	0.2

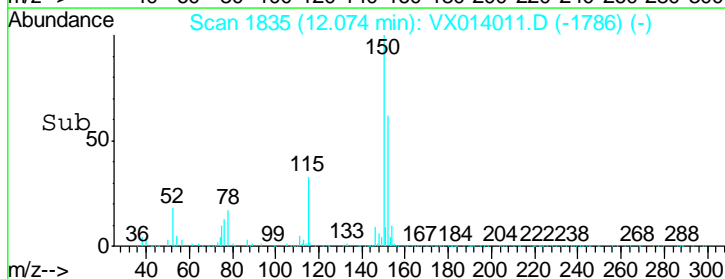
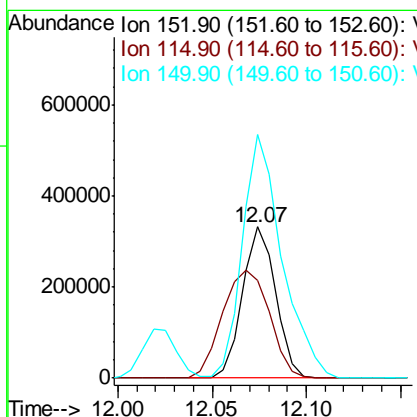
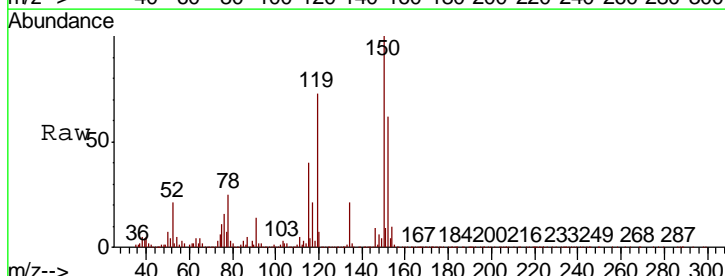
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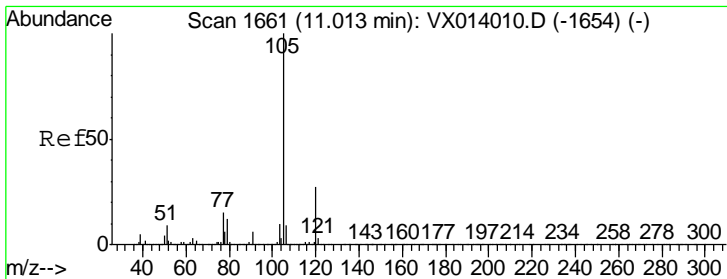
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

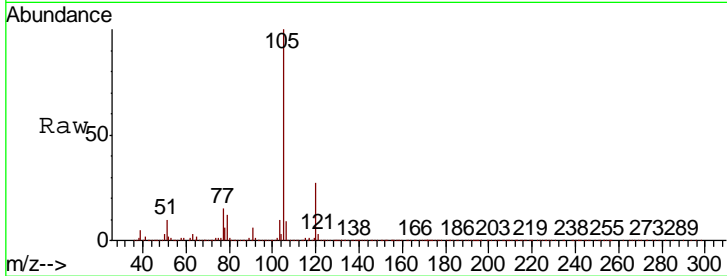
Tgt Ion	Resp	Lower	Upper
152	405555		
115	101.1	38.3	114.9
150	192.3	0.0	345.4





#73
 Isopropylbenzene
 Concen: 96.652 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

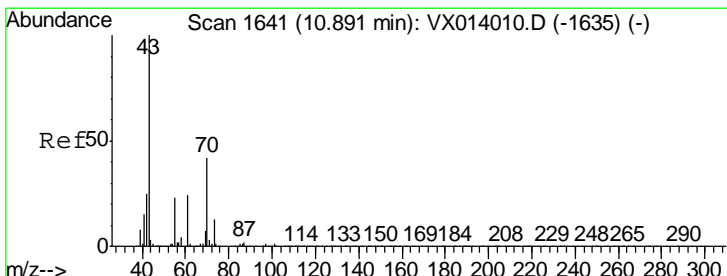
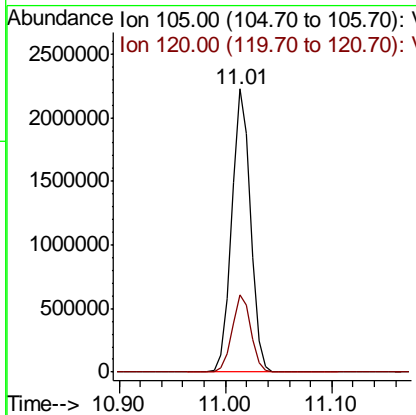
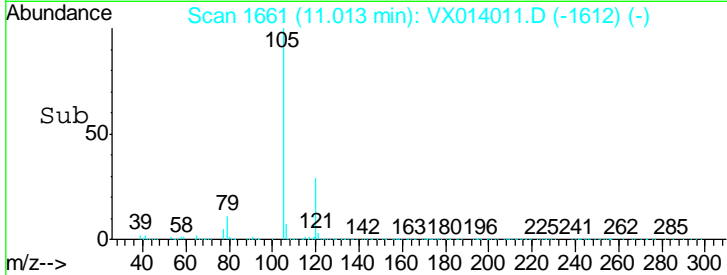
Instrument : MSVOA_X
 Client Sampled : VSTDIC100



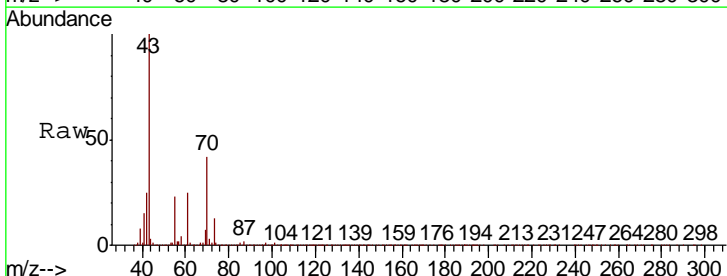
Tgt Ion: 105 Resp: 2753143

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.4

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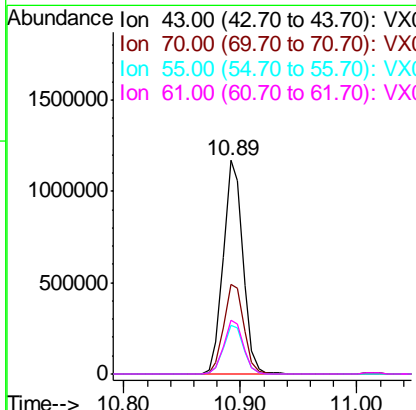
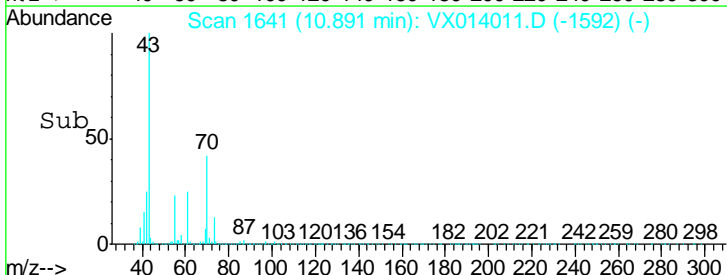


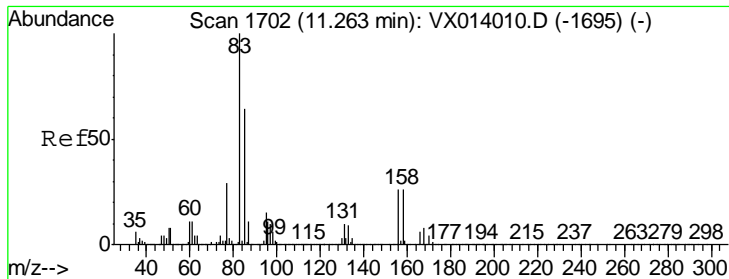
#74
 N-amyl acetate
 Concen: 104.568 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22



Tgt Ion: 43 Resp: 1364487

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.4	51.6
55	23.4	19.1	28.7
61	25.5	19.7	29.5





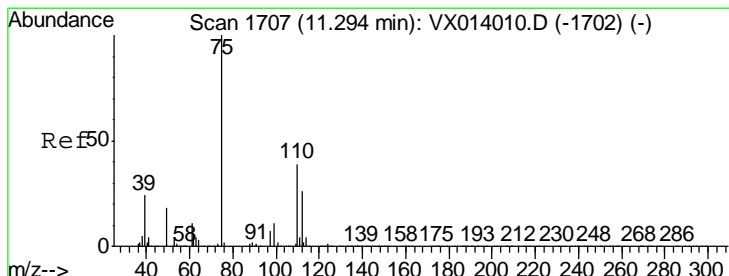
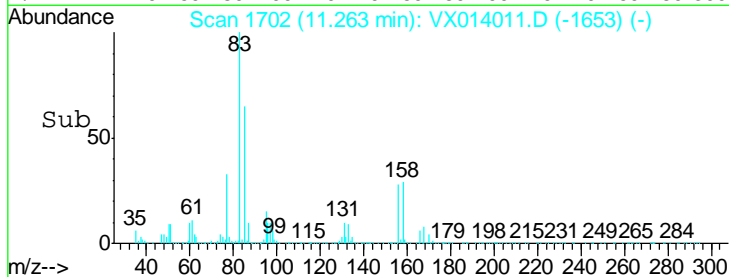
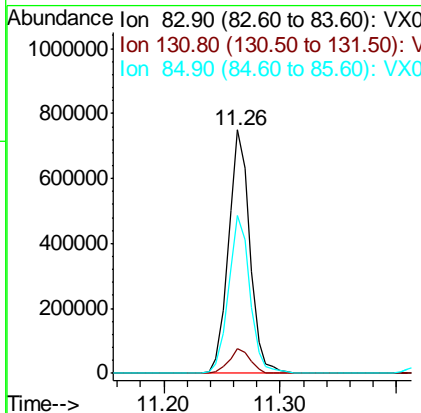
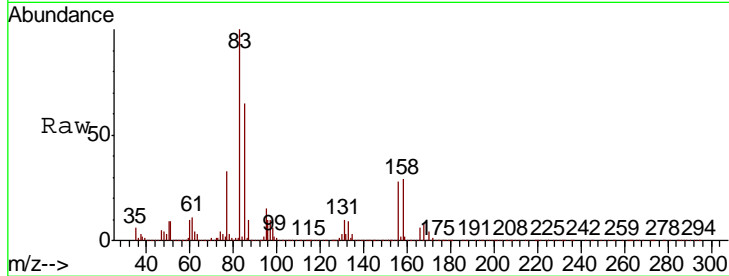
#75
 1,1,2,2-Tetrachloroethane
 Concen: 96.951 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.4	31.9	95.7

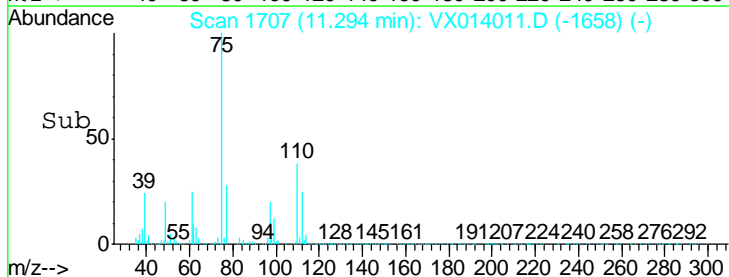
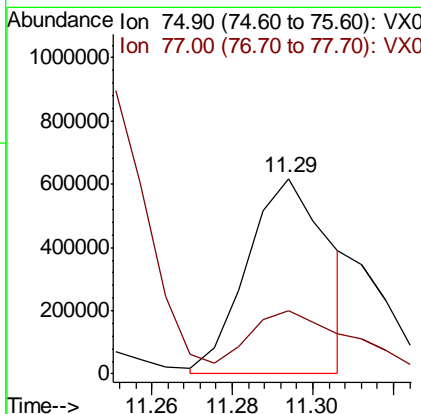
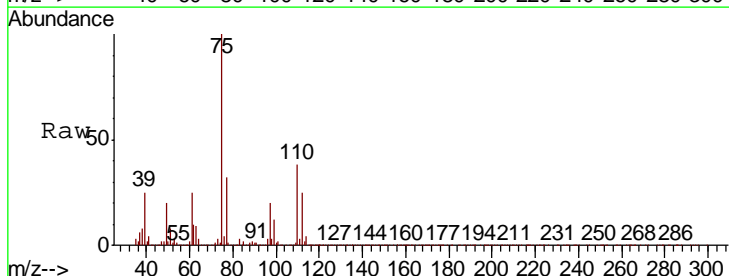
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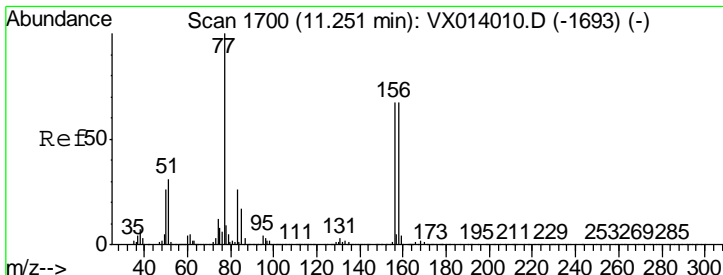
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#76
 1,2,3-Trichloropropane
 Concen: 94.893 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
75	100		
77	41.1	19.3	57.8





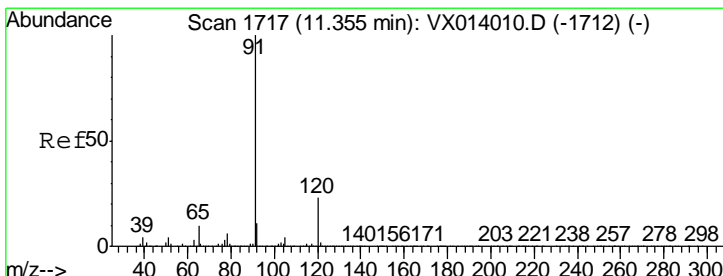
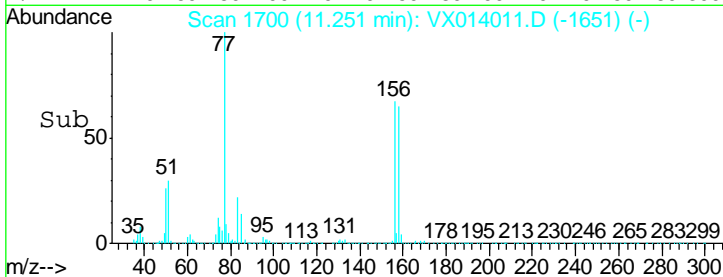
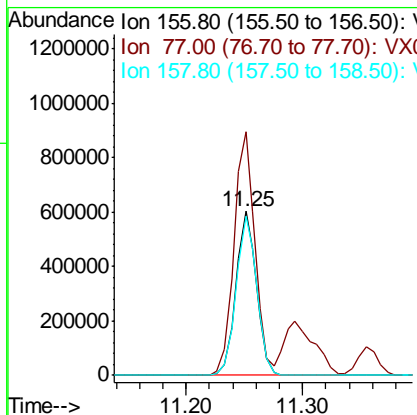
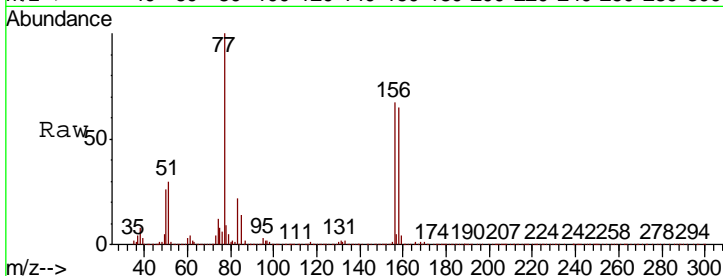
#77
 Bromobenzene
 Concen: 96.089 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
156	737773		
77	151.6	76.5	229.5
158	97.4	49.3	147.9

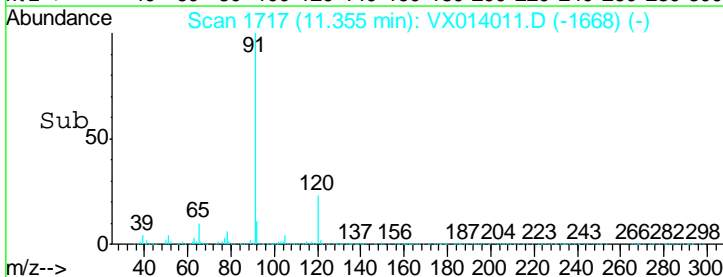
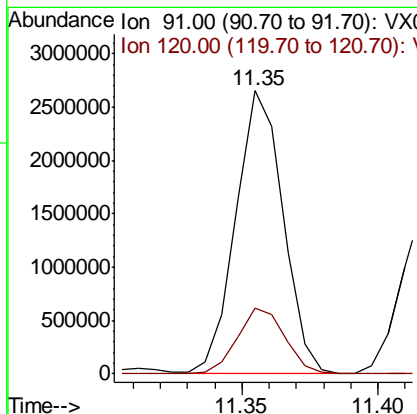
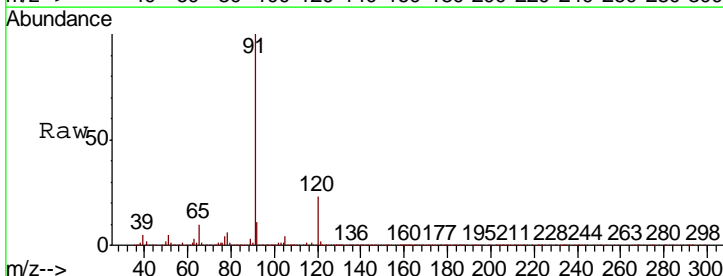
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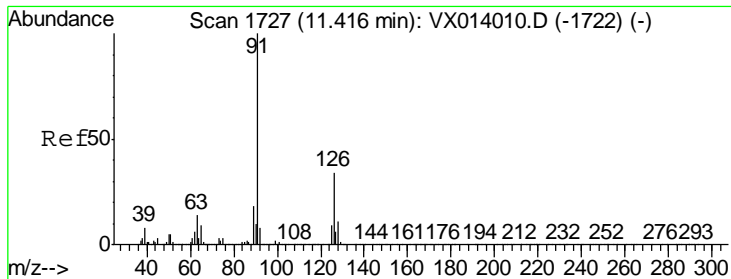
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#78
 n-propylbenzene
 Concen: 99.977 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
91	3184476		
120	23.6	11.7	35.0





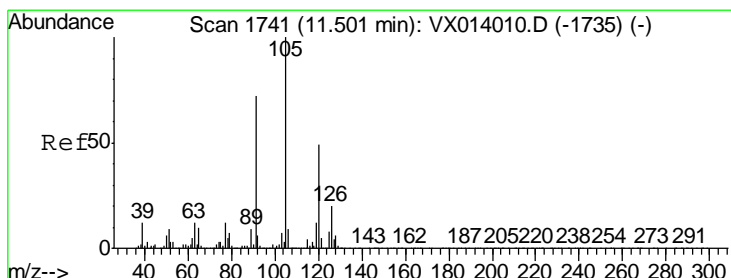
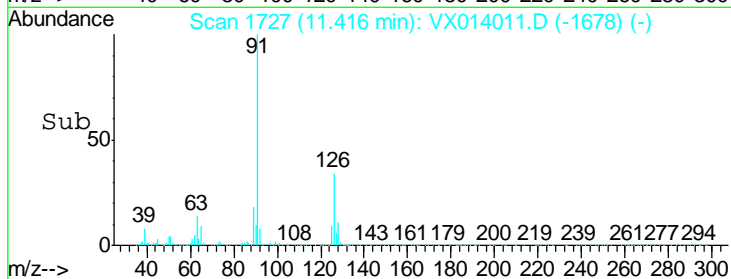
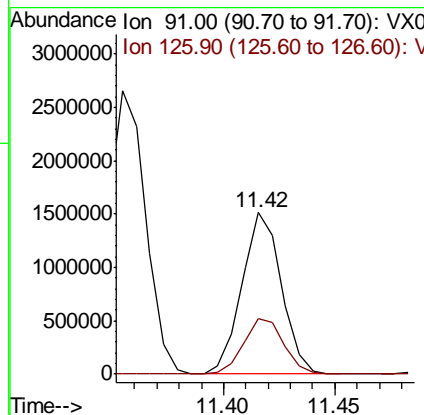
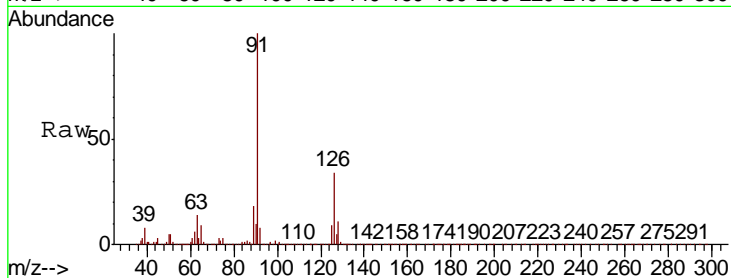
#79
 2-Chlorotoluene
 Concen: 97.459 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.3	17.2	51.6

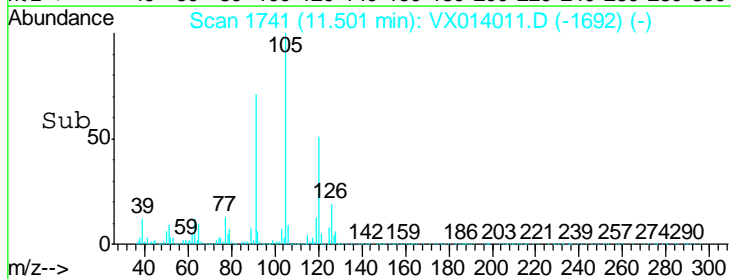
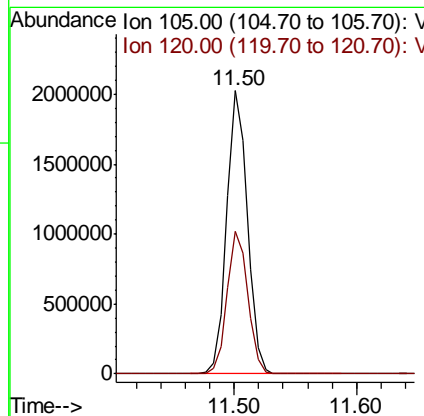
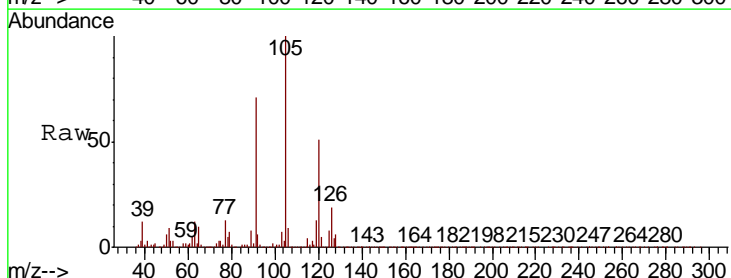
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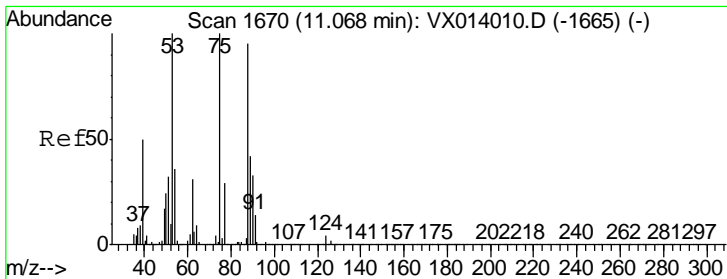
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#80
 1,3,5-Trimethylbenzene
 Concen: 100.907 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.7	25.3	75.8





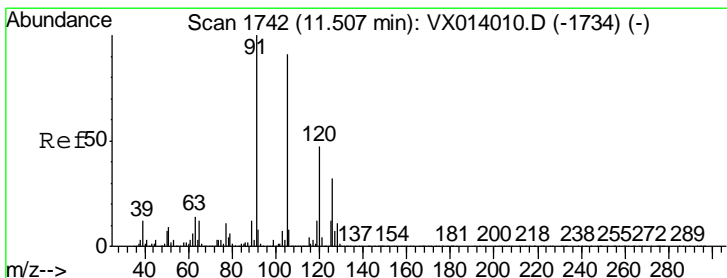
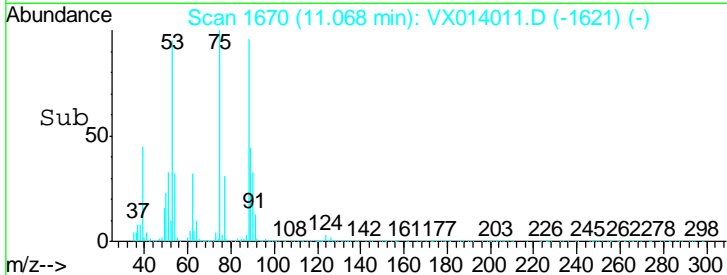
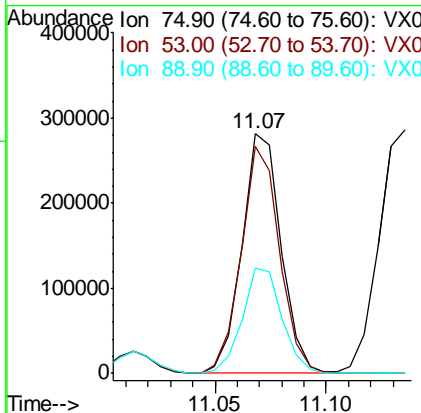
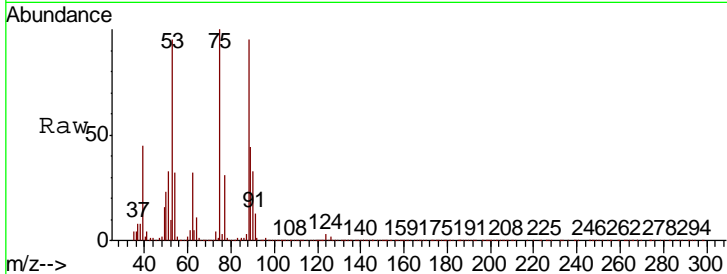
#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.093 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	344901		
75	100		
53	93.2	76.7	115.1
89	44.9	34.6	51.8

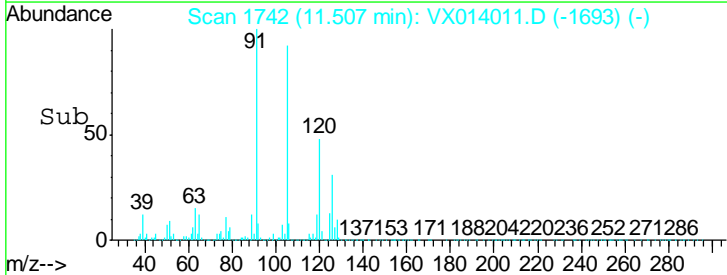
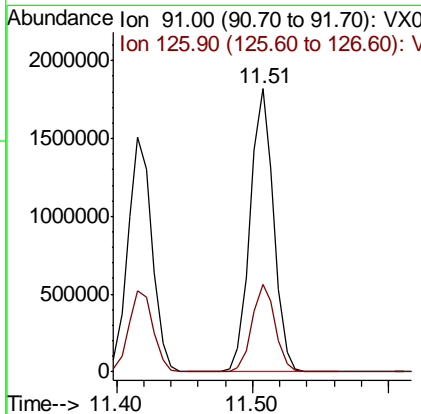
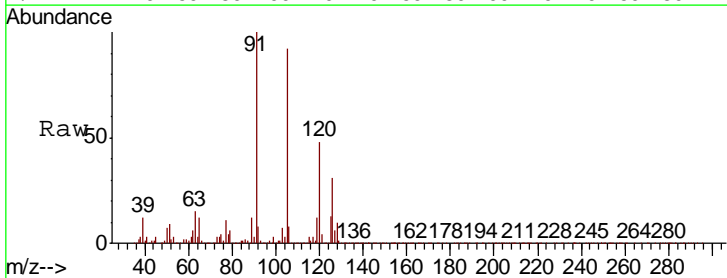
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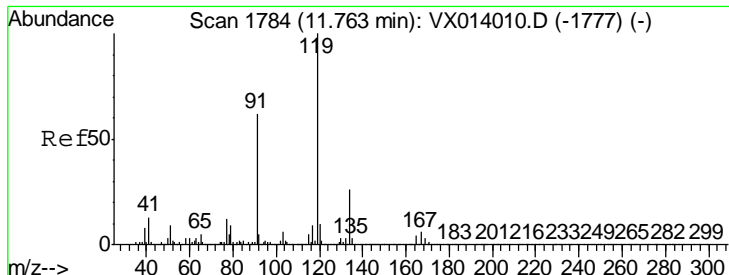
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#82
 4-Chlorotoluene
 Concen: 99.470 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
91	2200862		
91	100		
126	30.6	15.6	46.8





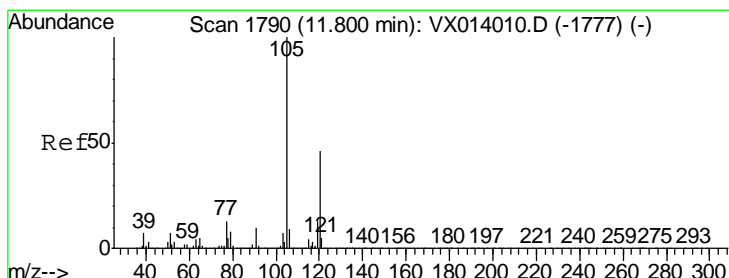
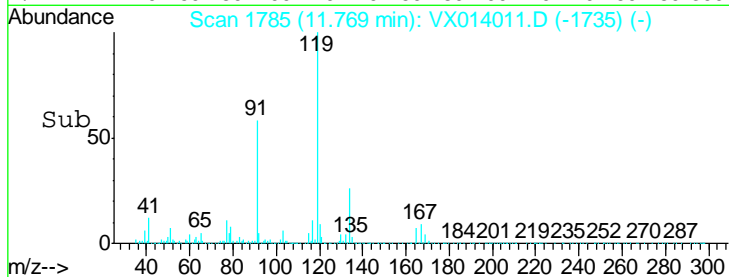
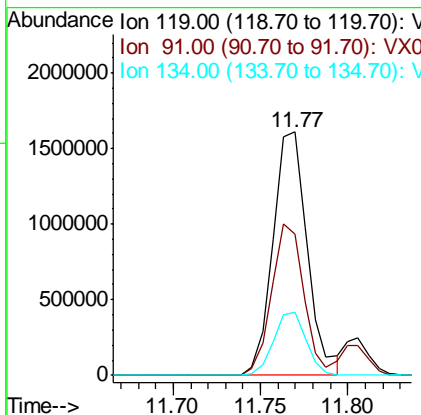
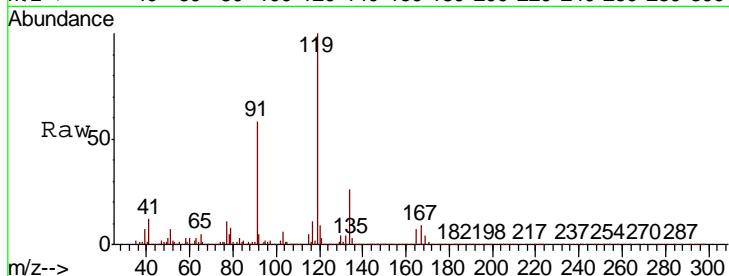
#83
 tert-Butylbenzene
 Concen: 93.495 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
119	2205438		
91	58.3	28.5	85.6
134	24.6	12.2	36.6

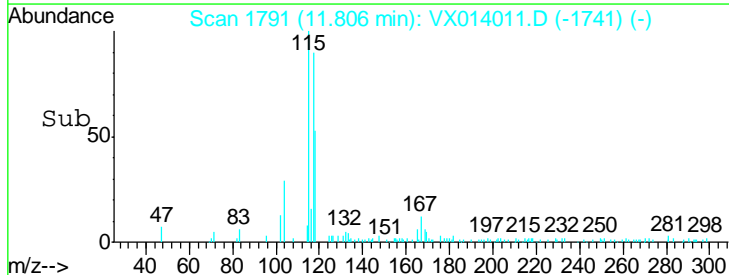
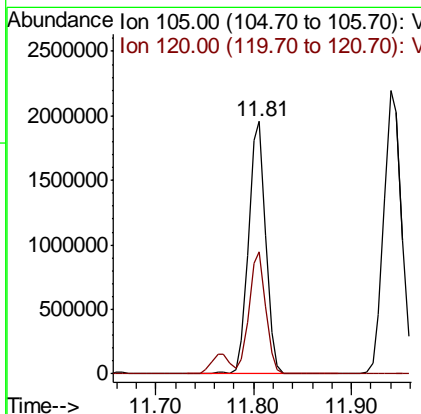
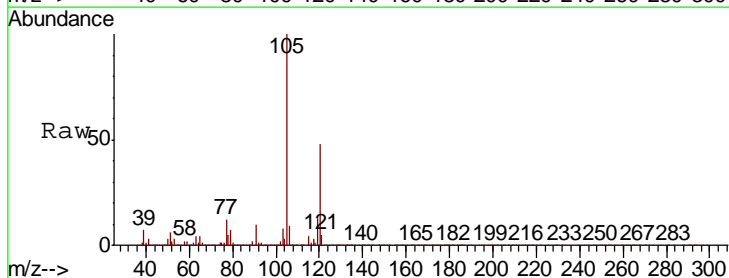
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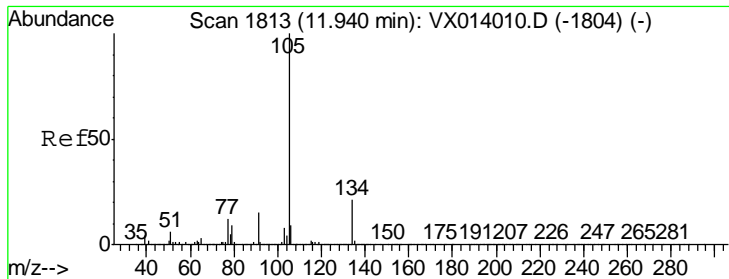
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#84
 1,2,4-Trimethylbenzene
 Concen: 99.859 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
105	2371228		
120	46.9	23.1	69.2





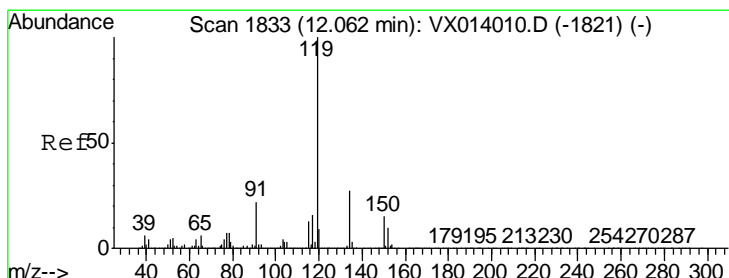
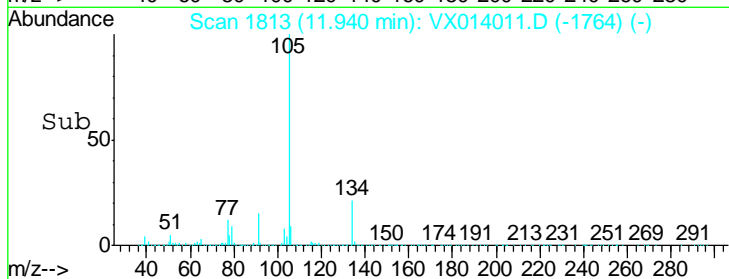
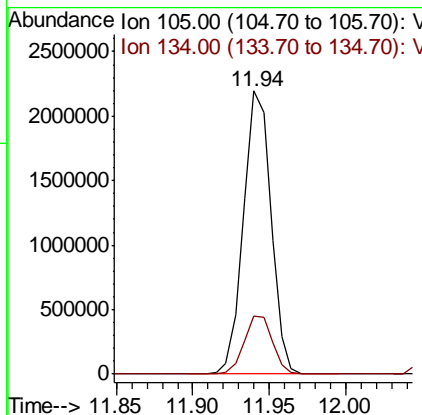
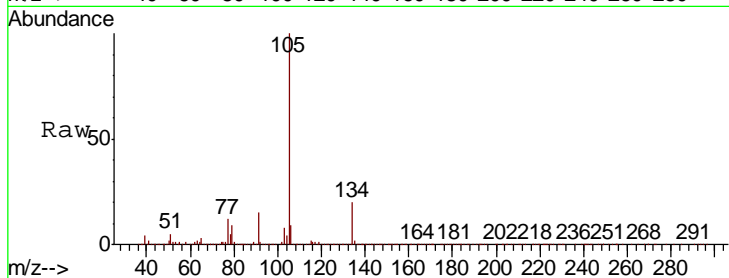
#85
 sec-Butylbenzene
 Concen: 101.431 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	2753476		
134	20.9	10.4	31.1

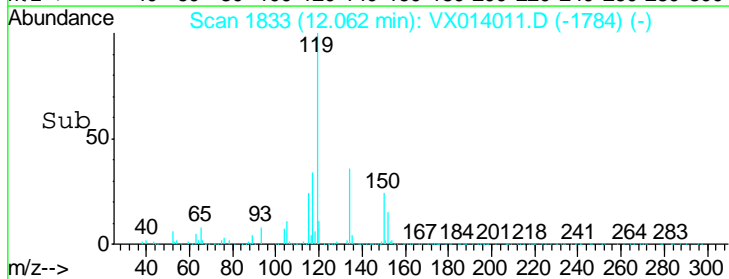
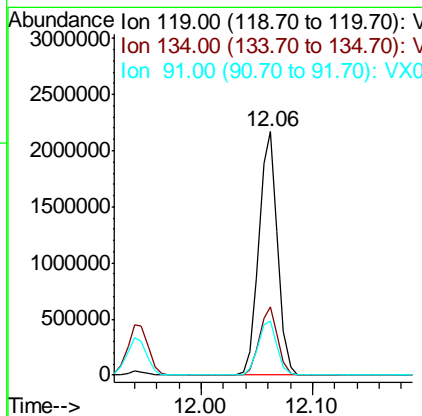
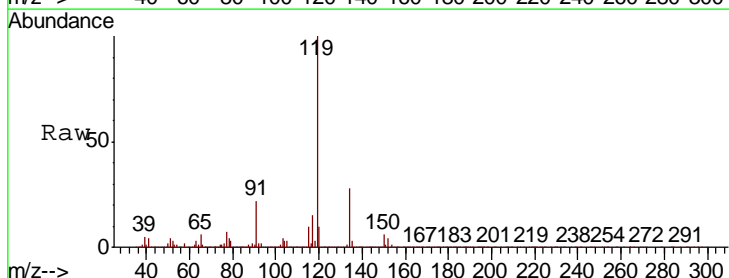
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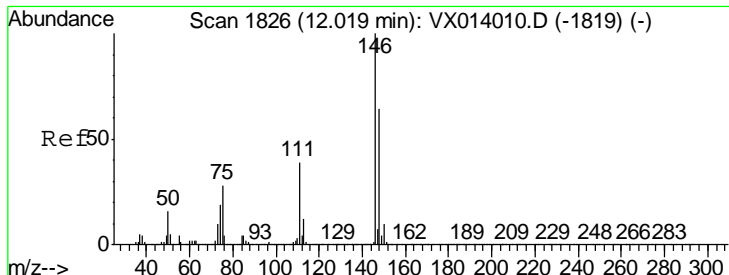
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#86
 p-Isopropyltoluene
 Concen: 100.425 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
119	2532372		
134	27.4	13.4	40.1
91	22.6	11.4	34.1





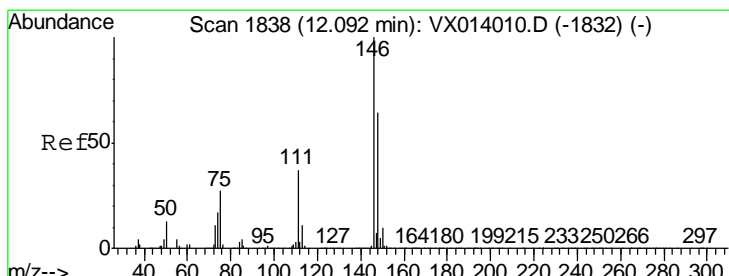
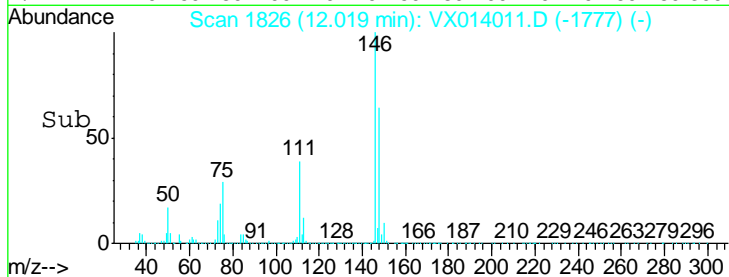
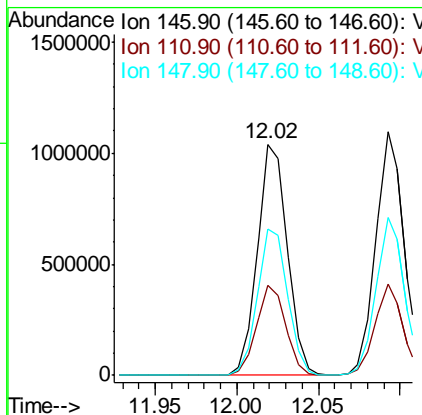
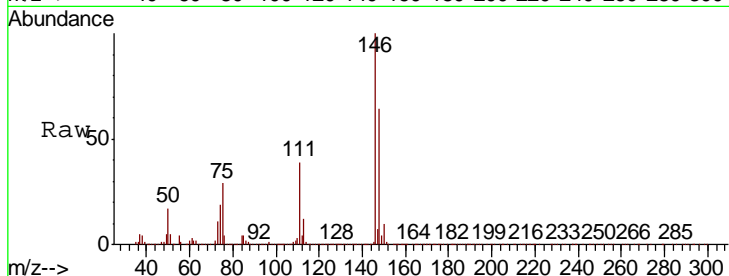
#87
 1,3-Dichlorobenzene
 Concen: 98.848 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	64.1	32.3	96.9

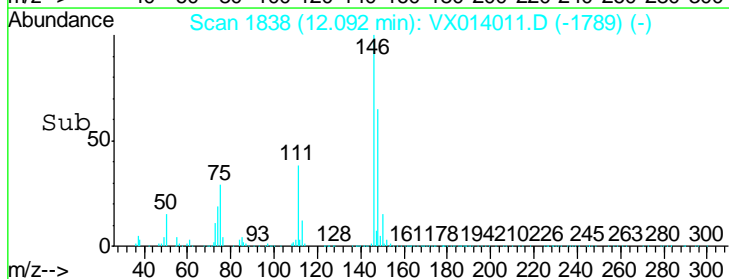
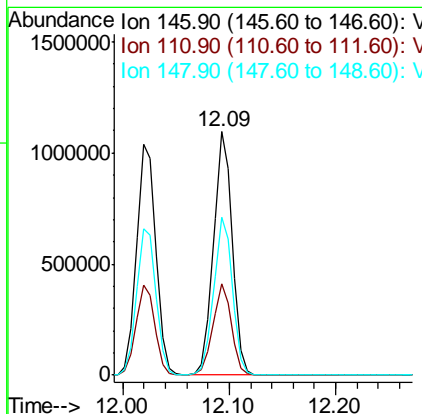
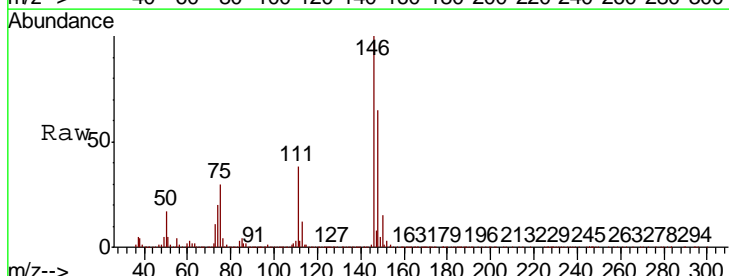
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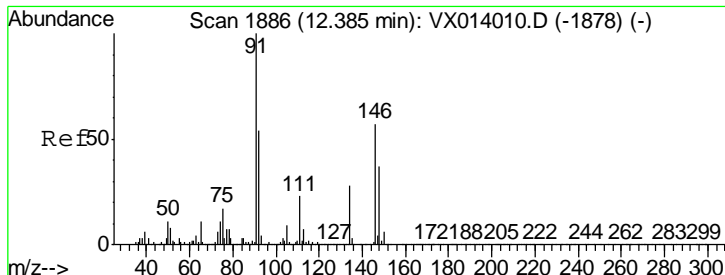
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#88
 1,4-Dichlorobenzene
 Concen: 96.582 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	64.8	31.9	95.9





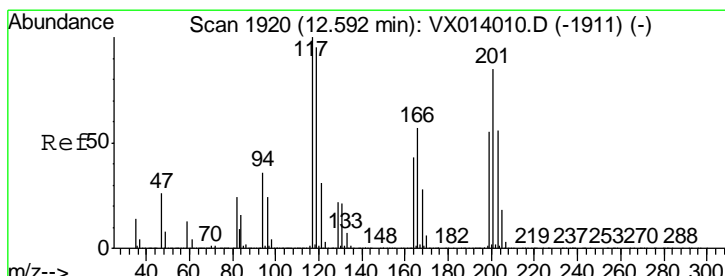
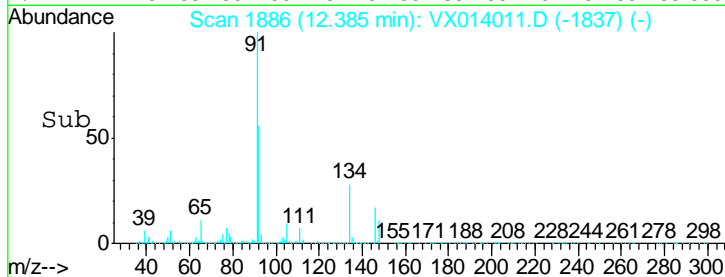
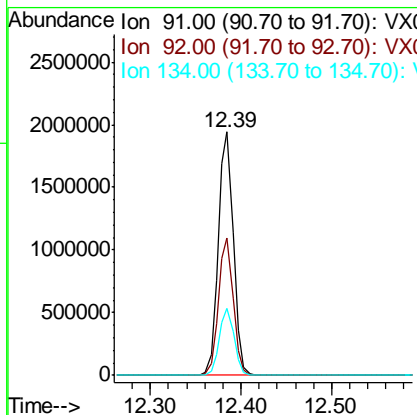
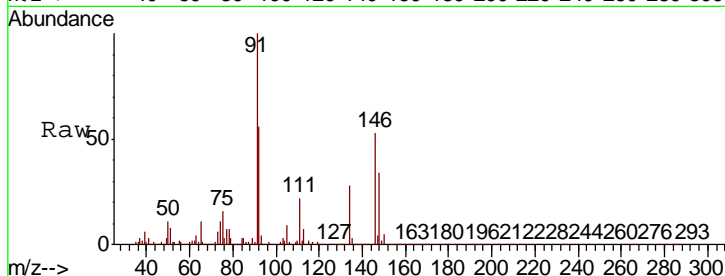
#89
 n-Butylbenzene
 Concen: 104.611 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
92	55.4	27.2	81.6
134	27.2	13.4	40.1

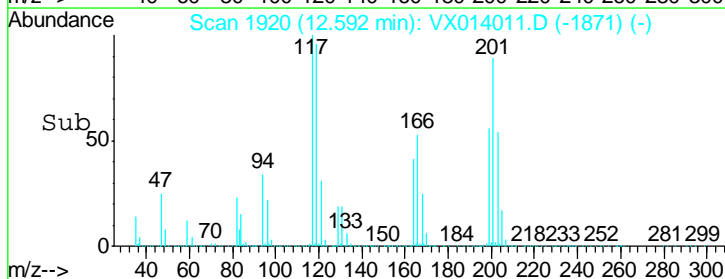
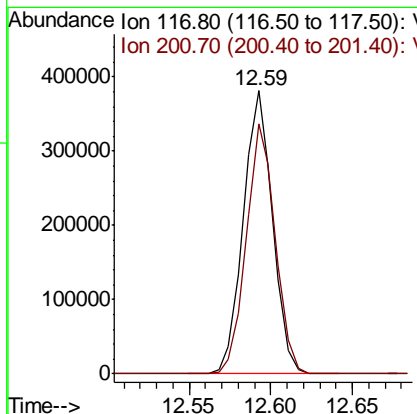
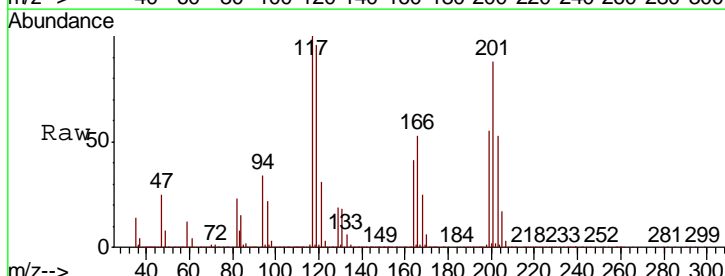
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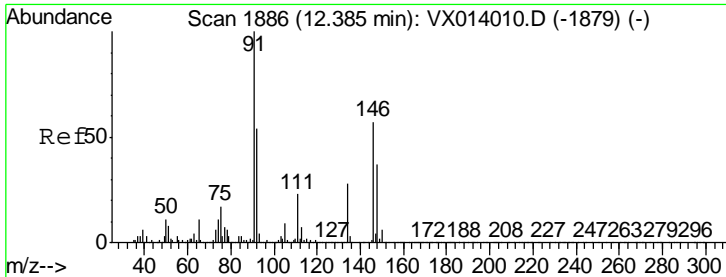
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#90
 Hexachloroethane
 Concen: 104.126 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
117	100		
201	87.8	43.1	129.3



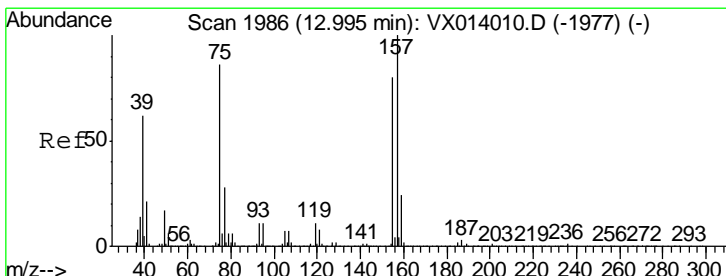
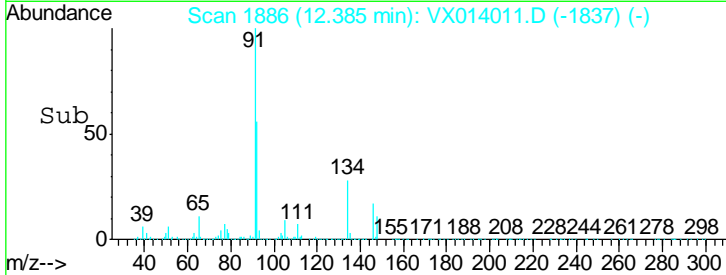
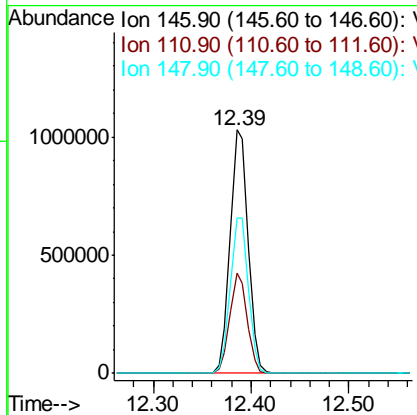
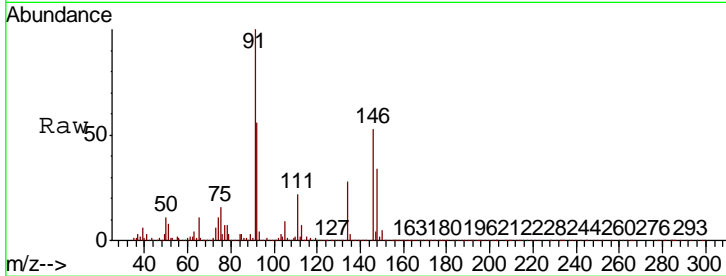


#91
 1,2-Dichlorobenzene
 Concen: 99.046 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

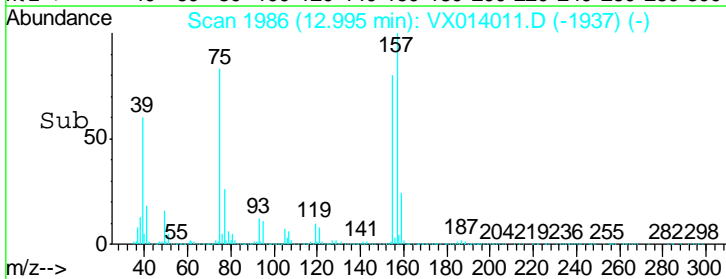
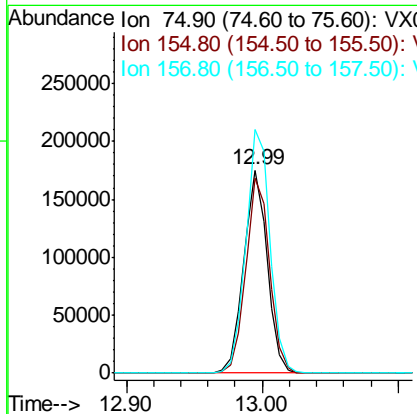
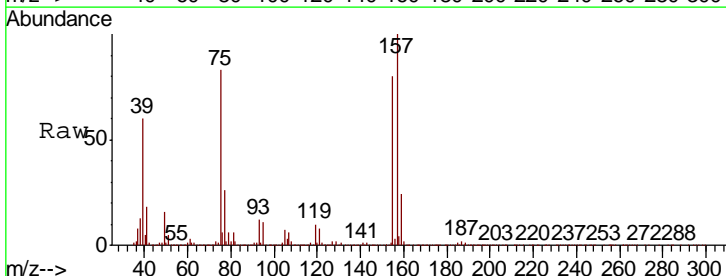
Tgt Ion	Resp	Lower	Upper
146	1316372		
146	100		
111	40.0	19.7	59.1
148	64.5	32.1	96.5

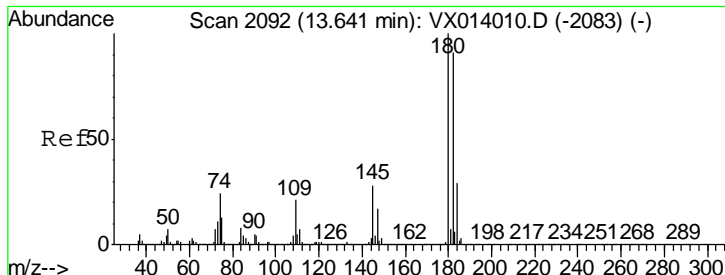
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.478 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
75	209437		
75	100		
155	97.9	46.9	140.6
157	124.9	60.8	182.4





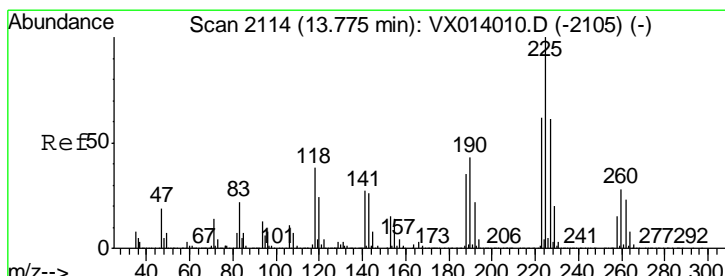
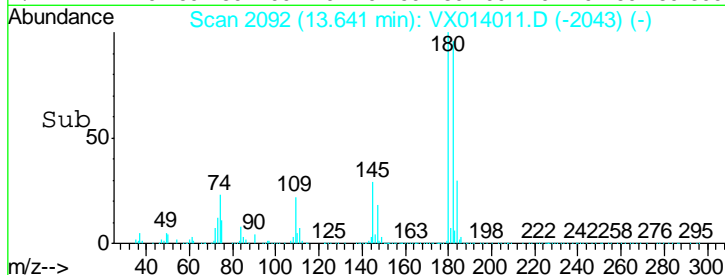
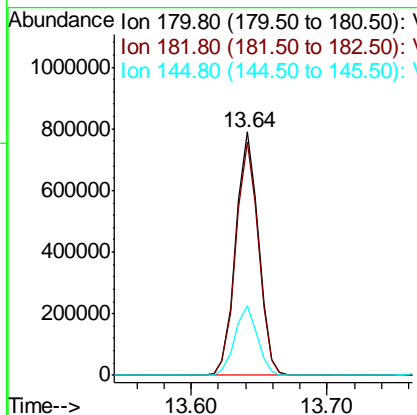
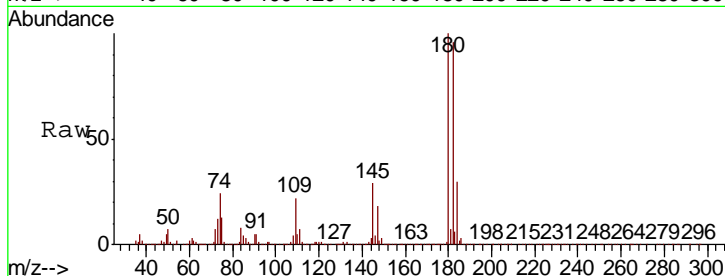
#93
 1,2,4-Trichlorobenzene
 Concen: 99.909 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.9	46.6	139.8
145	28.5	14.2	42.6

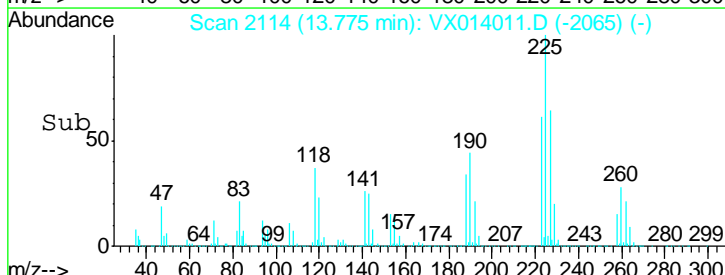
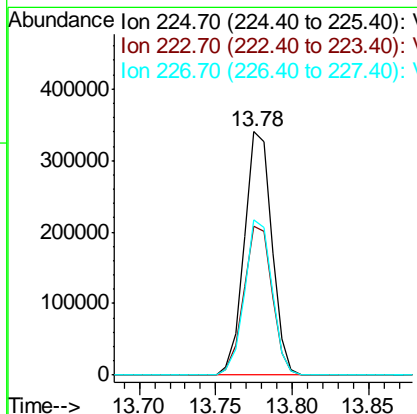
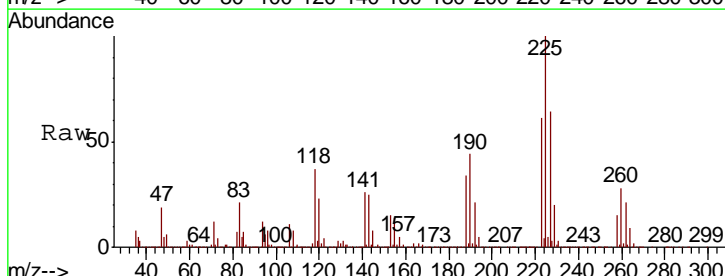
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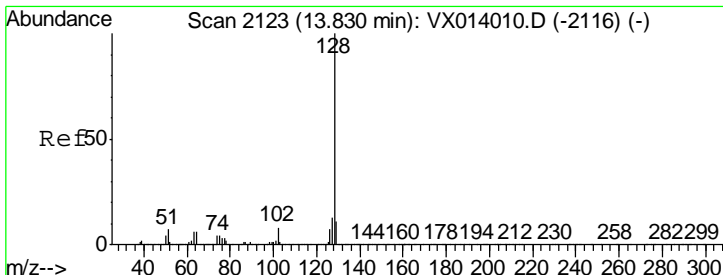
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#94
 Hexachlorobutadiene
 Concen: 95.763 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.4	30.9	92.5
227	63.6	30.9	92.7





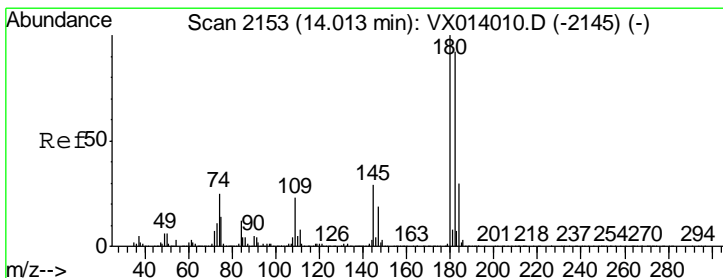
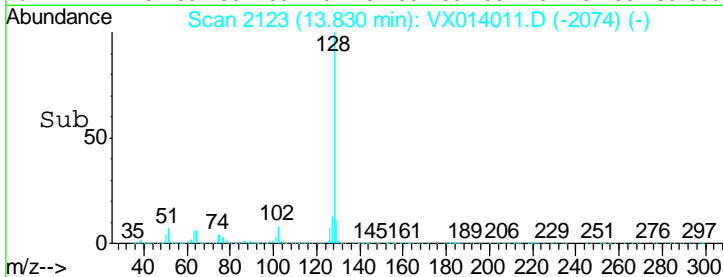
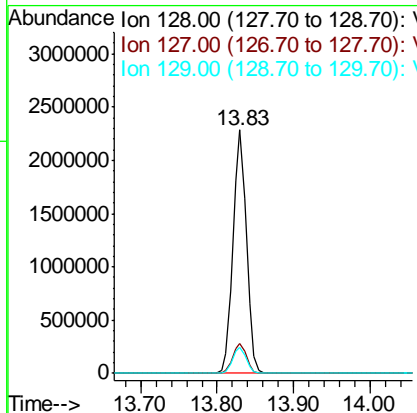
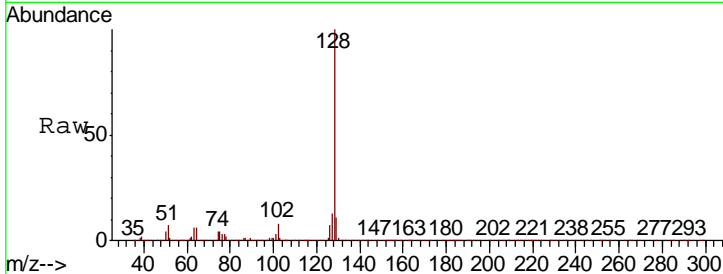
#95
 Naphthalene
 Concen: 101.586 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Instrument : MSVOA_X
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.7	13.1

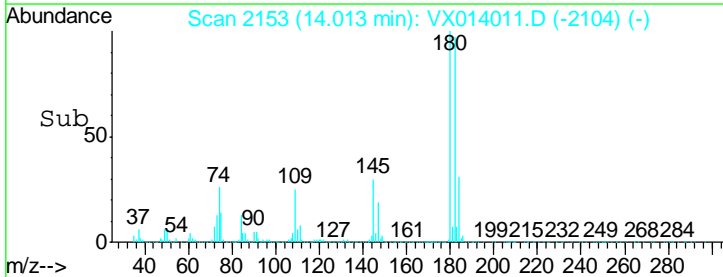
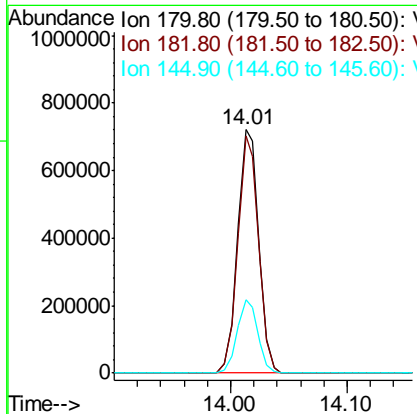
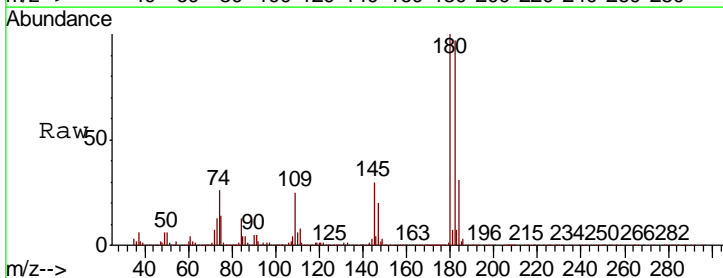
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#96
 1,2,3-Trichlorobenzene
 Concen: 99.469 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014011.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.5	46.8	140.3
145	29.7	14.8	44.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014012.D
 Acq On : 13 Dec 2019 16:45
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Manual Integrations
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Quant Time: Dec 13 17:08:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	540958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	834820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	770553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	416367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	936152	148.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.70%	
35) Dibromofluoromethane	5.49	113	788057	151.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.76%	
50) Toluene-d8	8.71	98	2996447	147.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.38%	
62) 4-Bromofluorobenzene	11.14	95	1153758	157.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	717501	124.068	ug/l	98
3) Chloromethane	1.31	50	936620	139.945	ug/l	99
4) Vinyl Chloride	1.40	62	977207	132.003	ug/l	100
5) Bromomethane	1.62	94	736859	145.490	ug/l	100
6) Chloroethane	1.70	64	594664	137.774	ug/l	93
7) Trichlorofluoromethane	1.91	101	1250605	147.606	ug/l	99
8) Diethyl Ether	2.18	74	570113	148.881	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	749338	145.407	ug/l	100
10) Methyl Iodide	2.50	142	1044115	166.829	ug/l	98
11) Tert butyl alcohol	3.07	59	966022	641.188	ug/l	99
12) 1,1-Dichloroethene	2.36	96	777505	151.289	ug/l	98
13) Acrolein	2.29	56	674752	760.771	ug/l	96
14) Allyl chloride	2.72	41	1424464	152.861	ug/l	99
15) Acrylonitrile	3.14	53	2328143	734.864	ug/l	100
16) Acetone	2.44	43	2873095	882.437	ug/l	99
17) Carbon Disulfide	2.55	76	2212411	150.704	ug/l	100
18) Methyl Acetate	2.76	43	1204602	143.050	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	2596157	152.192	ug/l	98
20) Methylene Chloride	2.84	84	872676	146.173	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	829969	147.972	ug/l	97
22) Diisopropyl ether	3.85	45	2777400	154.046	ug/l	90
23) Vinyl Acetate	3.81	43	11159560	745.509	ug/l	98
24) 1,1-Dichloroethane	3.69	63	1512700	153.488	ug/l	99
25) 2-Butanone	4.67	43	3682621	792.556	ug/l	99
26) 2,2-Dichloropropane	4.57	77	1220310	150.261	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	961661	149.395	ug/l	100
28) Bromochloromethane	5.00	49	594697	170.925	ug/l	98
29) Tetrahydrofuran	5.12	42	2087333	745.240	ug/l	99
30) Chloroform	5.20	83	1457923	146.153	ug/l	98
31) Cyclohexane	5.57	56	1393293	149.543	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	1258831	151.096	ug/l	99
36) 1,1-Dichloropropene	5.79	75	1147913	151.372	ug/l	100
37) Ethyl Acetate	4.83	43	1287314	152.166	ug/l	99
38) Carbon Tetrachloride	5.78	117	1099440	157.180	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121319\
 Data File : VX014012.D
 Acq On : 13 Dec 2019 16:45
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Manual Integrations
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 12/16/2019 12:46:09 PM

Quant Time: Dec 13 17:08:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1431530	152.452	ug/l	99
40) Benzene	6.14	78	3442287	148.726	ug/l	100
41) Methacrylonitrile	5.04	41	715360	154.915	ug/l	99
42) 1,2-Dichloroethane	6.18	62	1179327	149.634	ug/l	99
43) Isopropyl Acetate	6.43	43	2181617	156.119	ug/l	100
44) Trichloroethene	7.20	130	948580	149.877	ug/l	99
45) 1,2-Dichloropropane	7.51	63	894252	154.137	ug/l	99
46) Dibromomethane	7.65	93	585568	149.129	ug/l	99
47) Bromodichloromethane	7.89	83	1181251	159.175	ug/l	98
48) Methyl methacrylate	7.76	41	1071509	158.165	ug/l	99
49) 1,4-Dioxane	7.74	88	394321	2642.701	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	6685070	761.881	ug/l	99
52) Toluene	8.78	92	2179460	151.380	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1384848	164.046	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	1495505	161.997	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	886074	152.917	ug/l	99
56) Ethyl methacrylate	9.17	69	1519194	162.809	ug/l	99
57) 1,3-Dichloropropane	9.37	76	1493883	149.395	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	2855998	780.770	ug/l	99
59) 2-Hexanone	9.49	43	5445631	788.686	ug/l	99
60) Dibromochloromethane	9.58	129	986592	164.651	ug/l	100
61) 1,2-Dibromoethane	9.67	107	937046	151.608	ug/l	100
64) Tetrachloroethene	9.33	164	1038728	174.689	ug/l	97
65) Chlorobenzene	10.14	112	2375571	147.659	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	895181	155.397	ug/l	100
67) Ethyl Benzene	10.25	91	4147366	150.188	ug/l	97
68) m/p-Xylenes	10.35	106	3214539	303.636	ug/l	98
69) o-Xylene	10.70	106	1582818	153.308	ug/l	100
70) Styrene	10.71	104	2803610	160.964	ug/l	100
71) Bromoform	10.85	173	823754	173.364	ug/l	100
73) Isopropylbenzene	11.01	105	4102514	140.283	ug/l	99
74) N-amyl acetate	10.89	43	2089155	155.946	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	1451158	143.318	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	1295022m	138.876	ug/l	
77) Bromobenzene	11.25	156	1129271	143.259	ug/l	98
78) n-propylbenzene	11.35	91	4739102	144.921	ug/l	98
79) 2-Chlorotoluene	11.42	91	2816371	143.160	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	3555462	147.911	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	538282	158.238	ug/l	96
82) 4-Chlorotoluene	11.51	91	3334083	146.773	ug/l	100
83) tert-Butylbenzene	11.77	119	3404783	140.591	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	3624117	148.658	ug/l	99
85) sec-Butylbenzene	11.94	105	4142990	148.653	ug/l	99
86) p-Isopropyltoluene	12.06	119	3899255	150.616	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	2035638	147.854	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	2043150	145.492	ug/l	99
89) n-Butylbenzene	12.39	91	3481644	157.477	ug/l	98
90) Hexachloroethane	12.59	117	746787	159.139	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	2007287	147.110	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	316431	144.923	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014012.D
 Acq On : 13 Dec 2019 16:45
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICC150

Manual Integrations
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Quant Time: Dec 13 17:08:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1421239	150.803	ug/l	99
94) Hexachlorobutadiene	13.77	225	639399	140.202	ug/l	97
95) Naphthalene	13.83	128	4221939	150.807	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1382616	147.504	ug/l	98

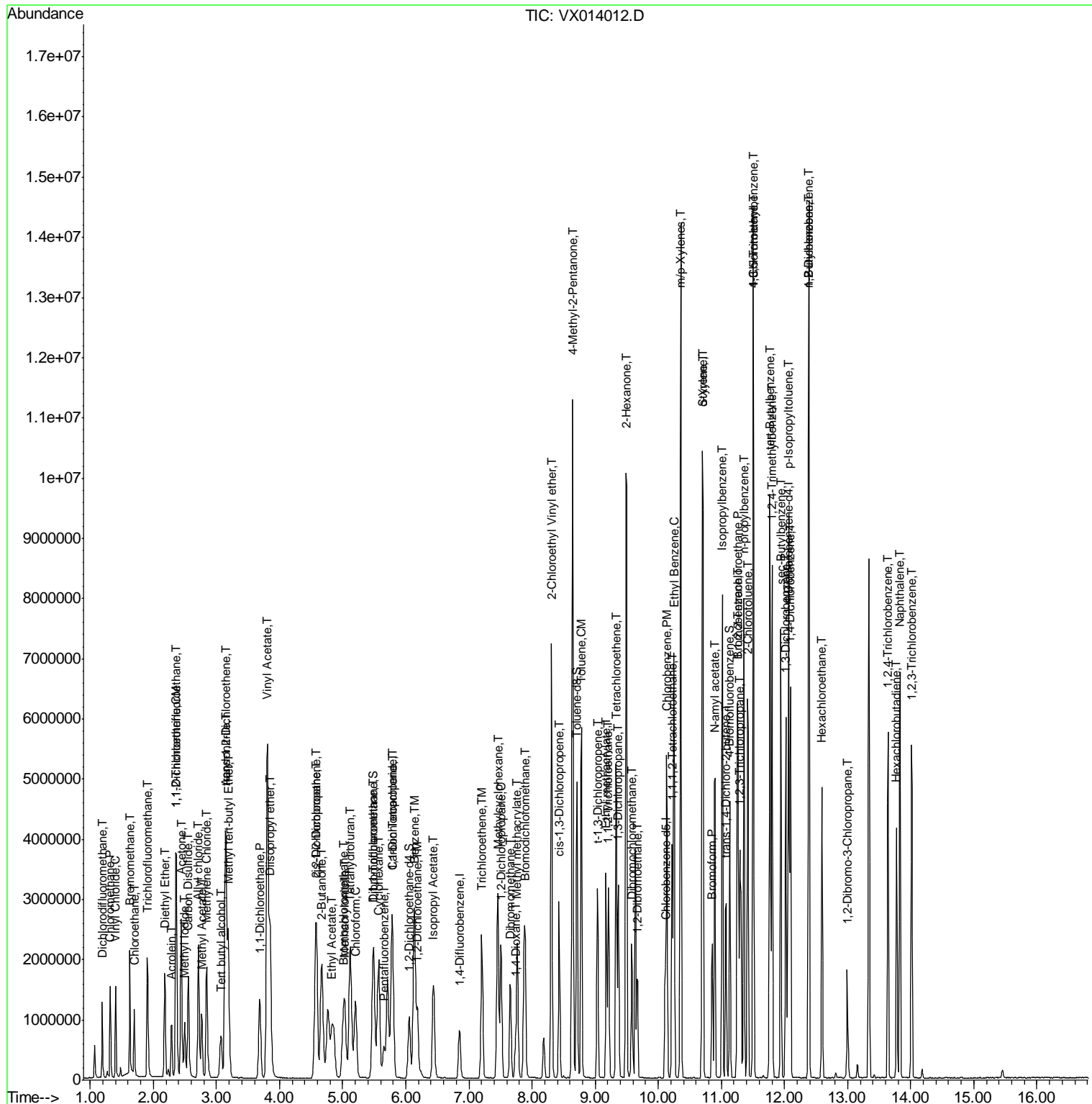
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
Data File : VX014012.D
Acq On : 13 Dec 2019 16:45
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

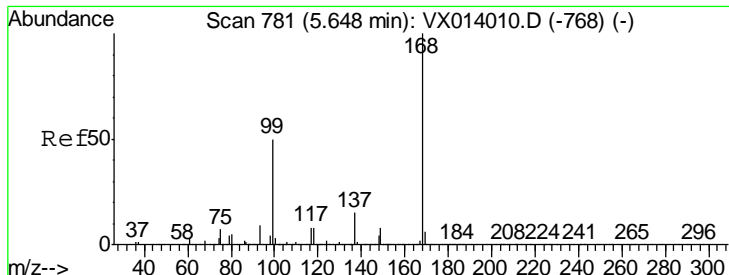
Instrument : MSVOA_X
Client Sampled : VSTDIC150

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Quant Time: Dec 13 17:08:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 16:34:01 2019
Response via : Initial Calibration



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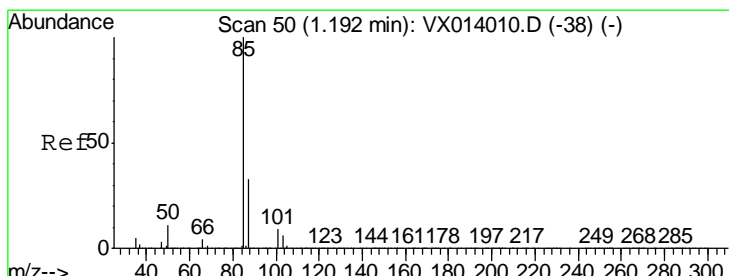
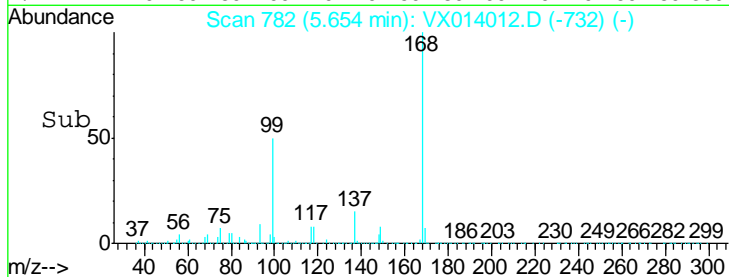
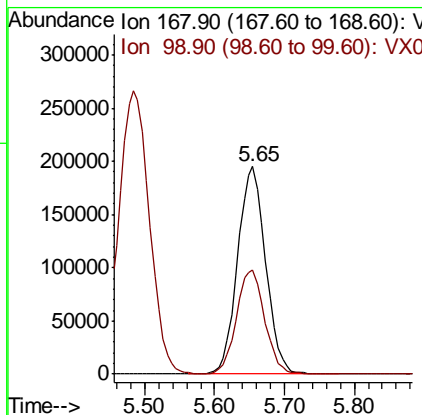
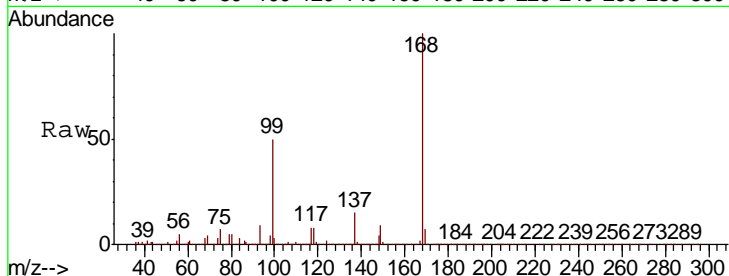
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.7	40.3	60.5

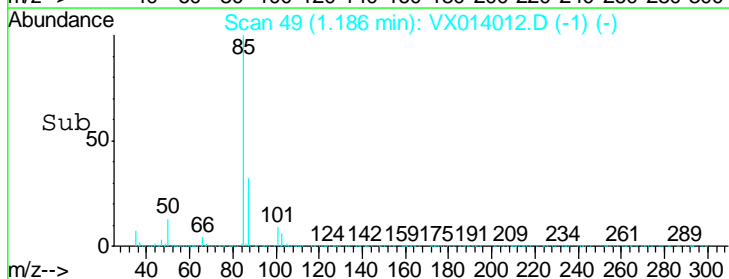
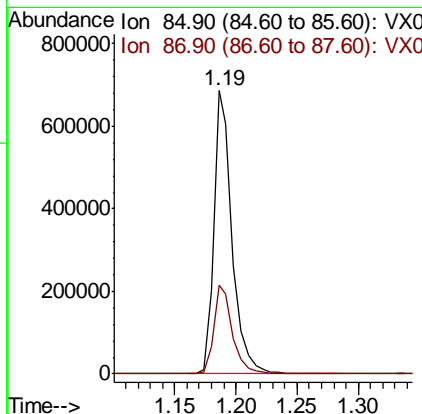
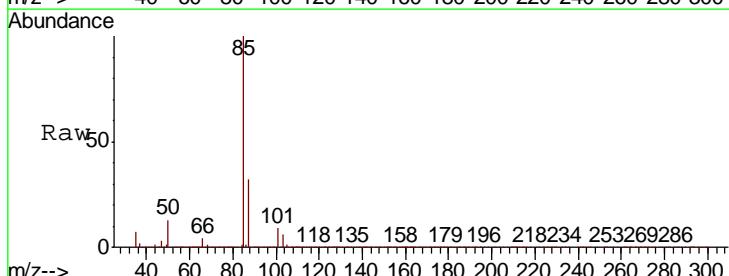
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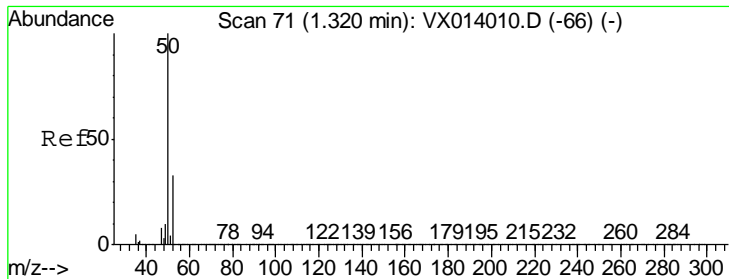
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#2
 Dichlorodifluoromethane
 Concen: 124.068 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.6	16.4	49.2



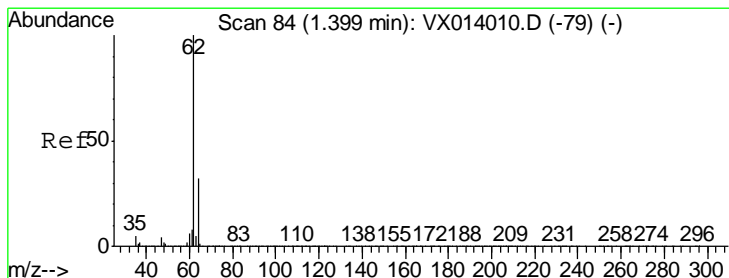
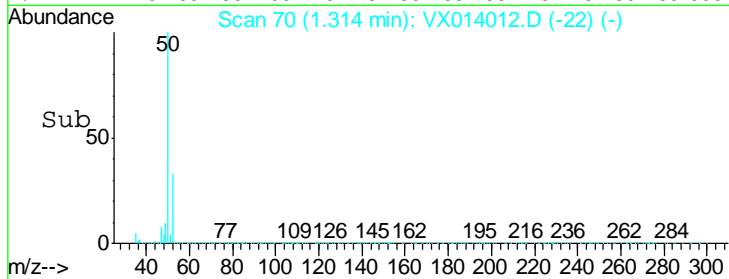
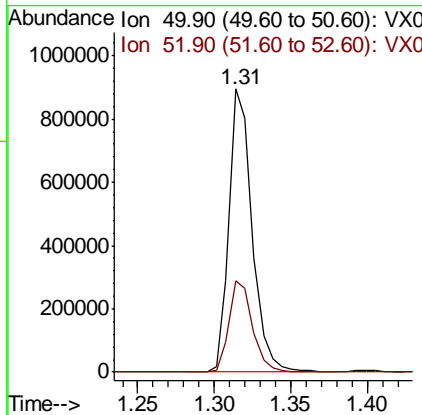
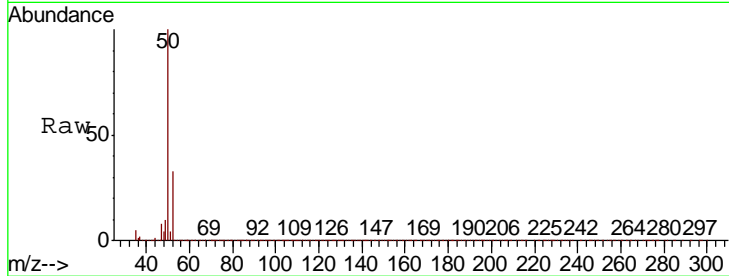


#3
 Chloromethane
 Concen: 139.945 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.5	26.2	39.4

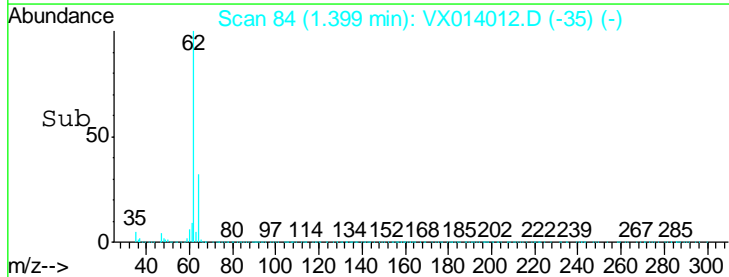
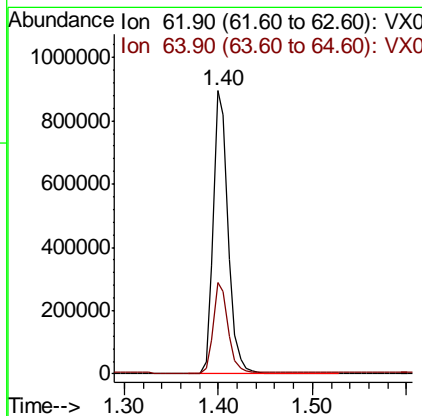
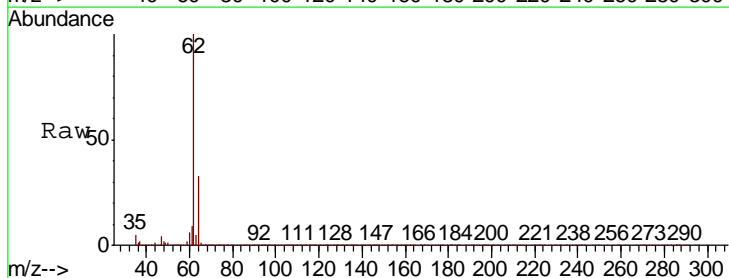
Instrument : MSVOA_X
 Client Sampled : VSTDIC150

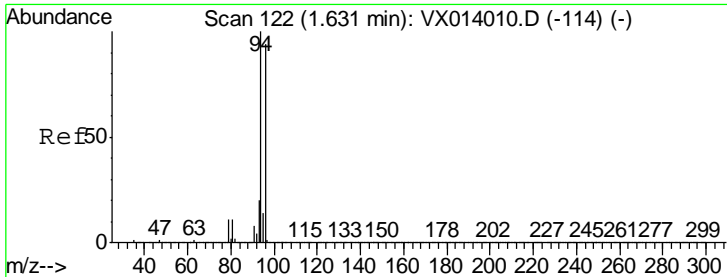
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#4
 Vinyl Chloride
 Concen: 132.003 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.2	25.7	38.5





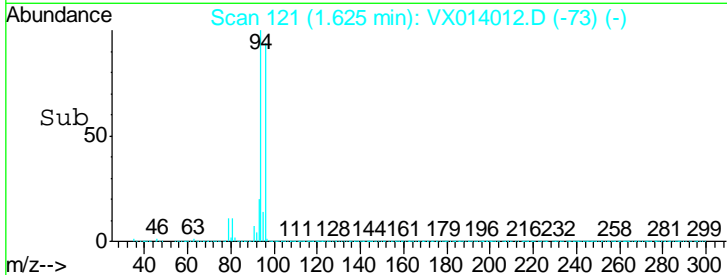
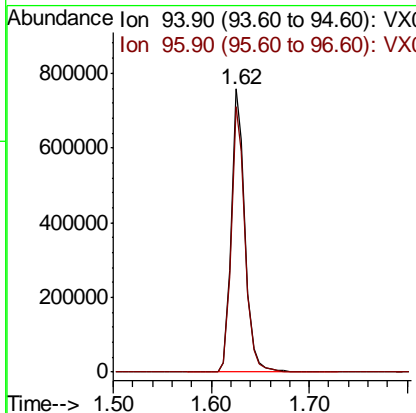
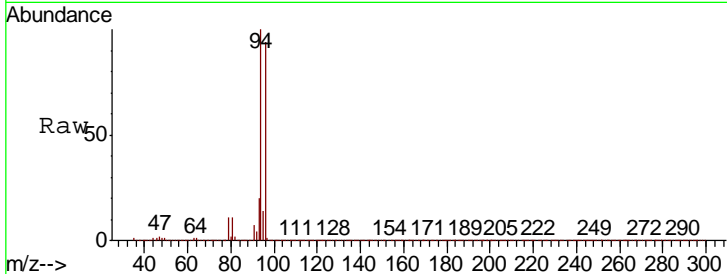
#5
 Bromomethane
 Concen: 145.490 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.9	75.2	112.8

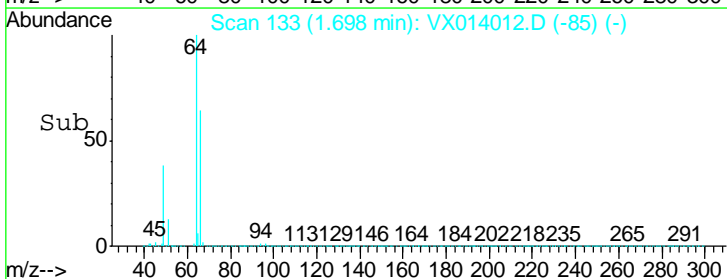
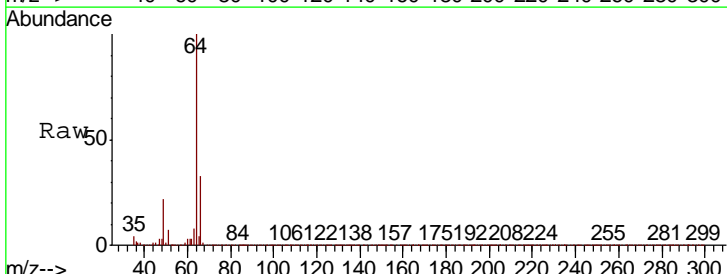
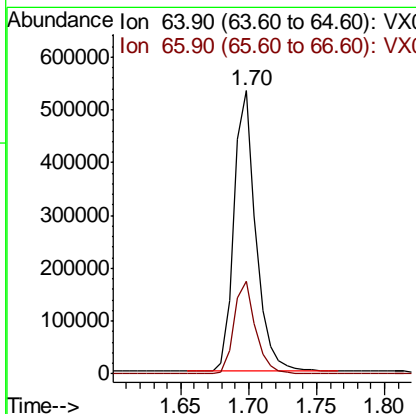
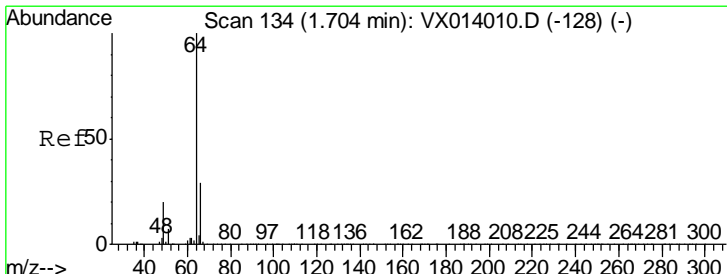
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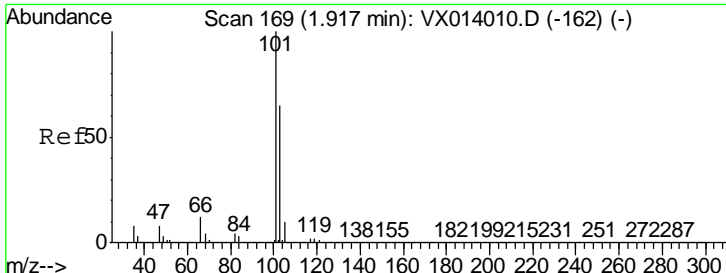
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#6
 Chloroethane
 Concen: 137.774 ug/l
 RT: 1.70 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.9	23.4	35.2





#7
 Trichlorofluoromethane
 Concen: 147.606 ug/l
 RT: 1.91 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

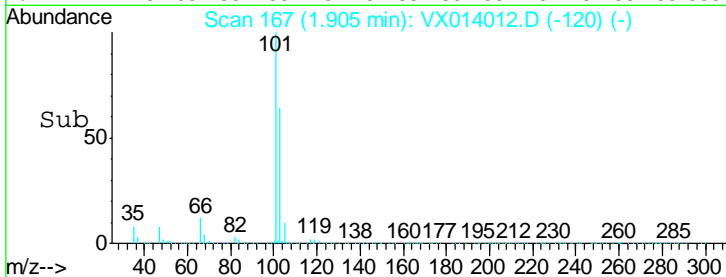
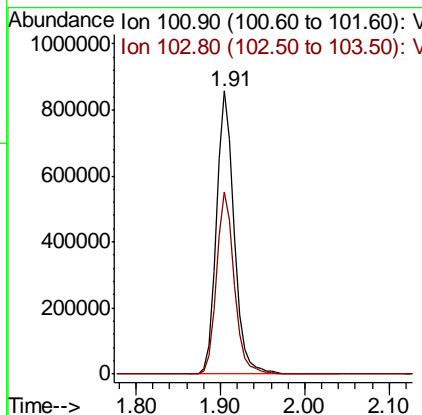
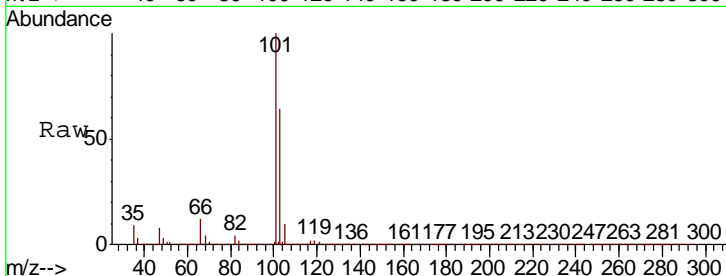
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion: 101 Resp: 1250605

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.2	78.4

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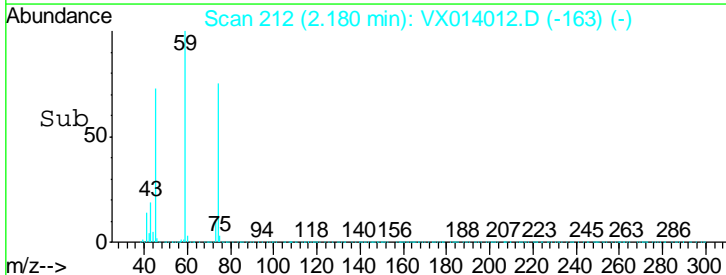
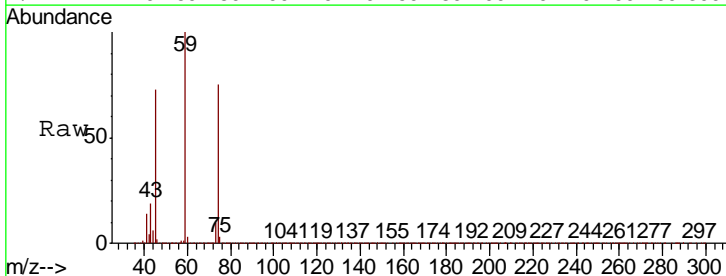
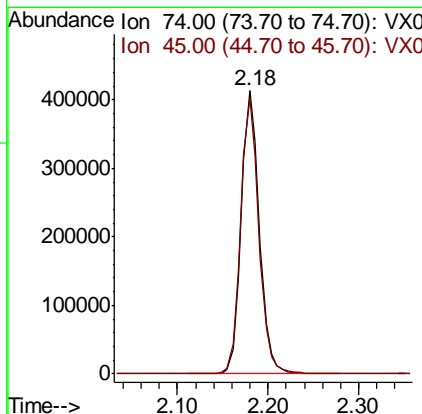
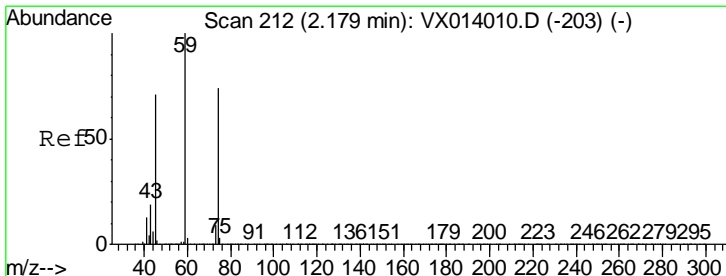
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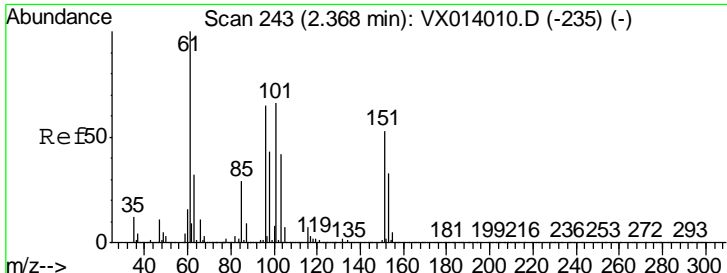


#8
 Diethyl Ether
 Concen: 148.881 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion: 74 Resp: 570113

Ion	Ratio	Lower	Upper
74	100		
45	98.4	48.1	144.3





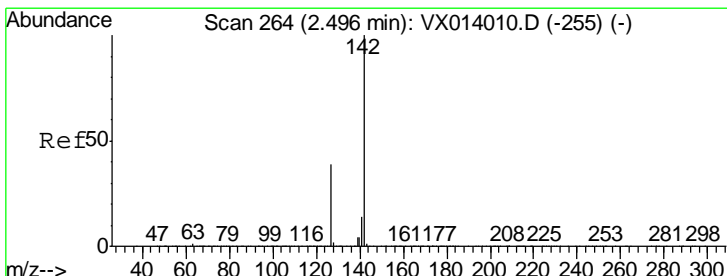
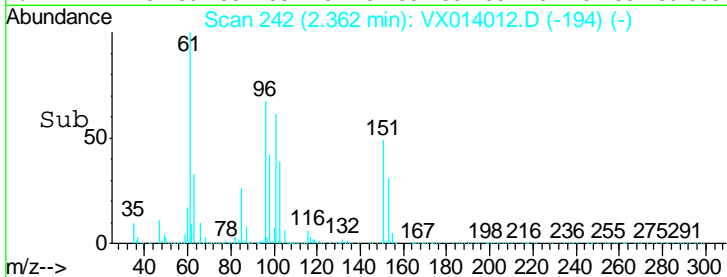
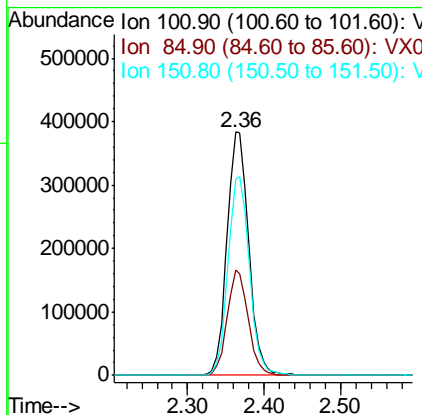
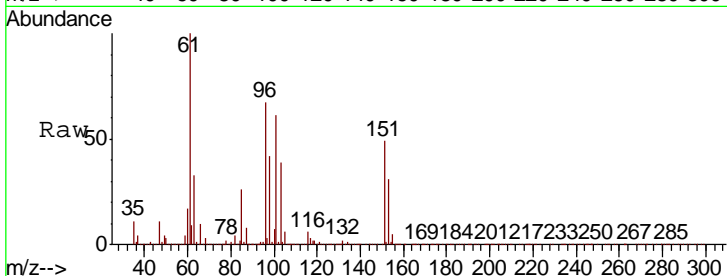
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 145.407 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
101	749338		
101	100		
85	42.1	33.7	50.5
151	80.9	64.5	96.7

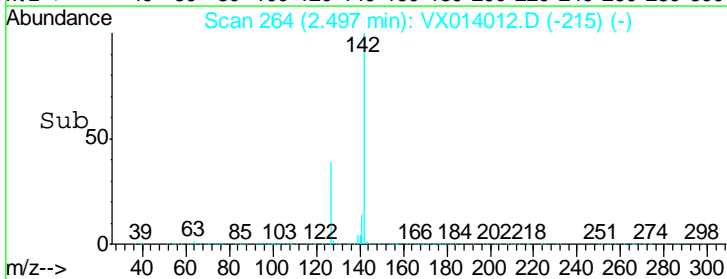
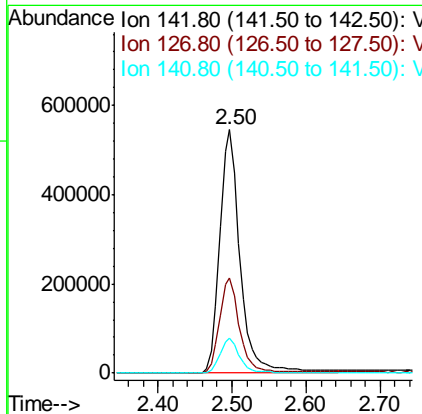
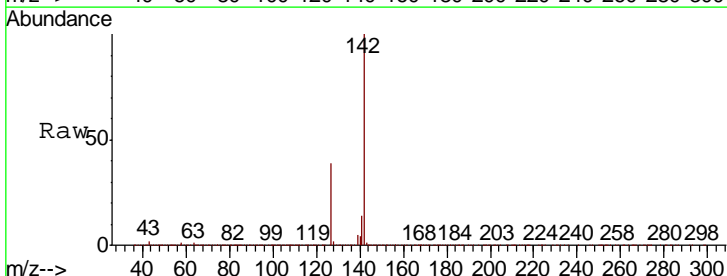
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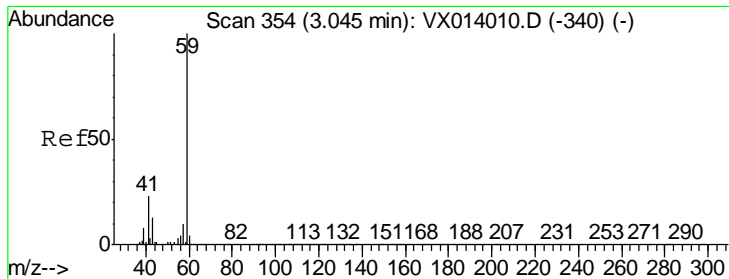
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#10
 Methyl Iodide
 Concen: 166.829 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
142	1044115		
142	100		
127	38.5	31.6	47.4
141	13.8	11.6	17.4





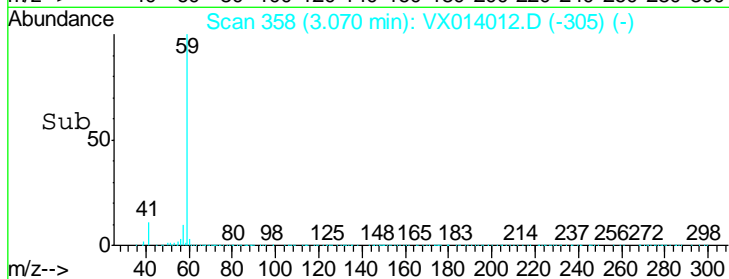
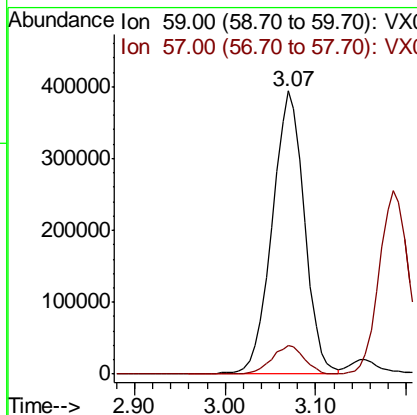
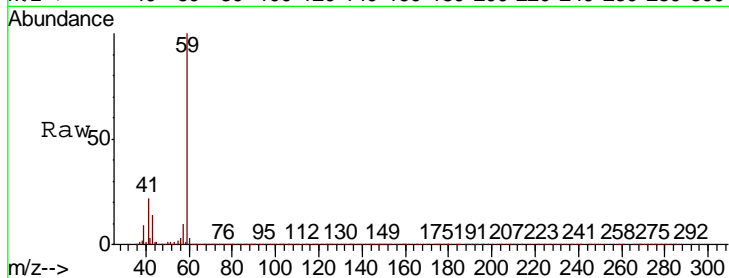
#11
 Tert butyl alcohol
 Concen: 641.188 ug/l
 RT: 3.07 min Scan# 358
 Delta R.T. 0.02 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.3	8.4	12.6

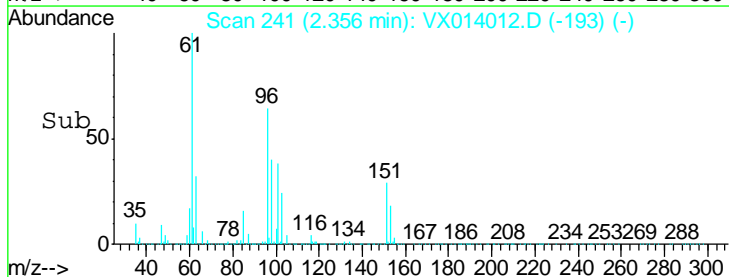
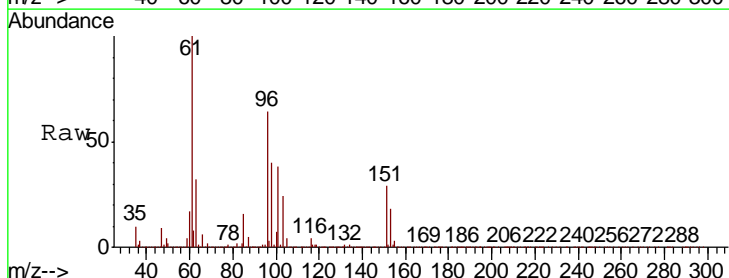
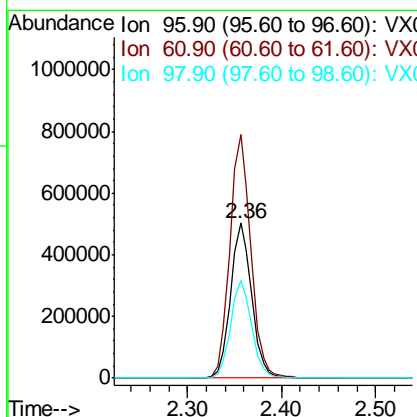
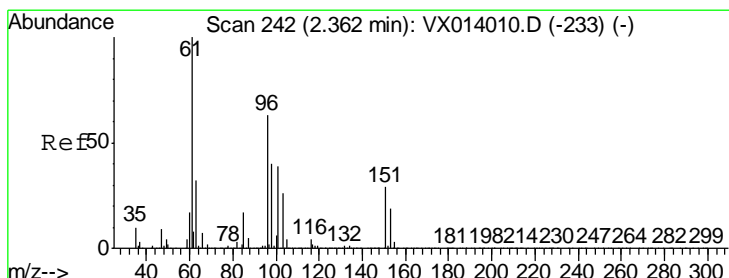
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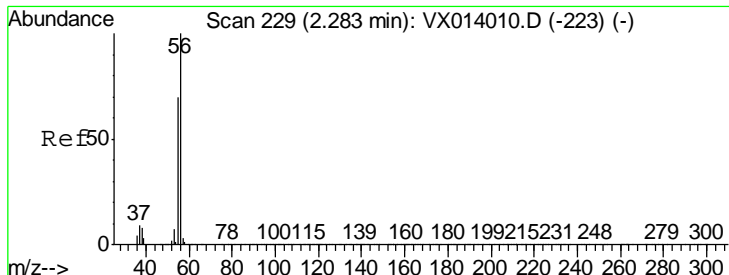
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#12
 1,1-Dichloroethene
 Concen: 151.289 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
96	100		
61	157.1	127.9	191.9
98	62.7	50.5	75.7





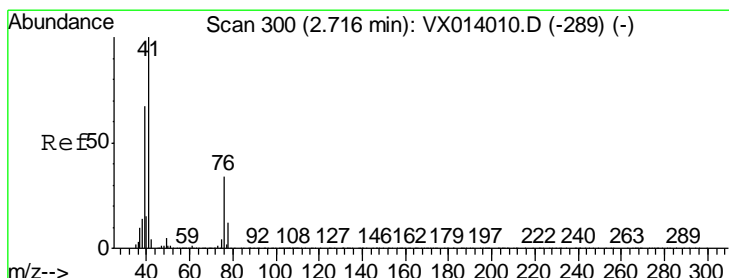
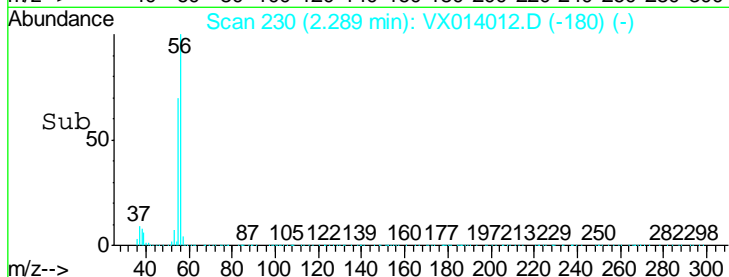
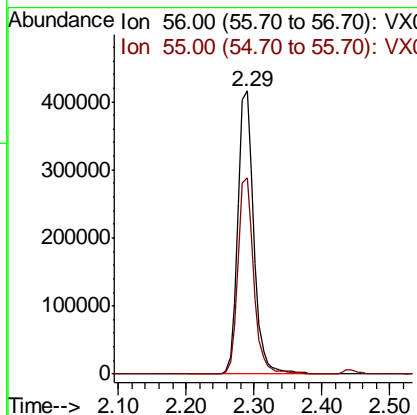
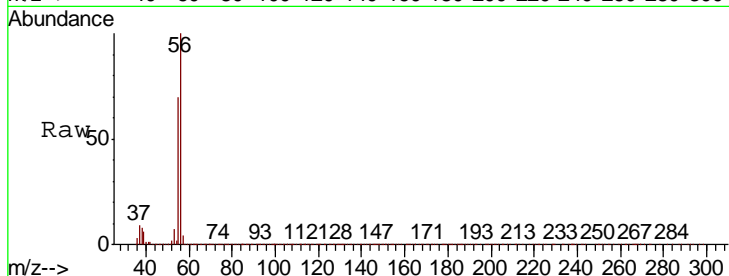
#13
 Acrolein
 Concen: 760.771 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	674752		
55	68.1	56.9	85.3

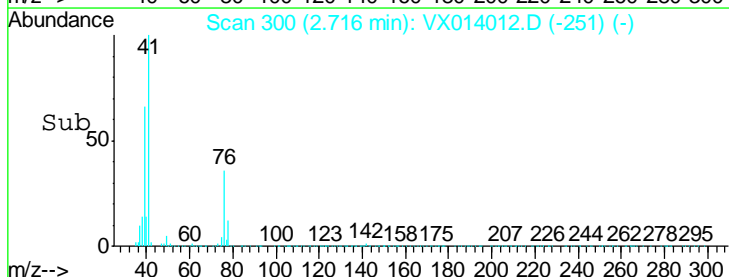
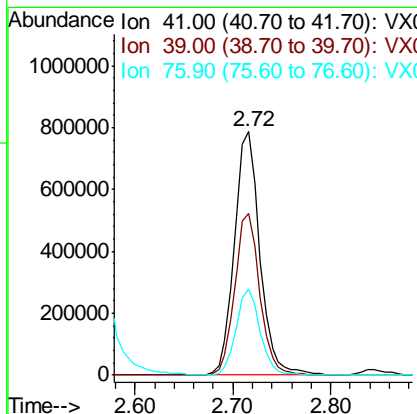
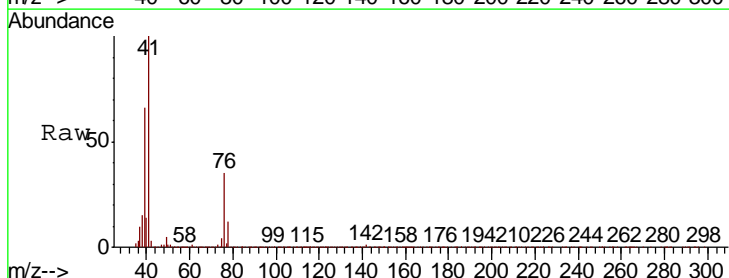
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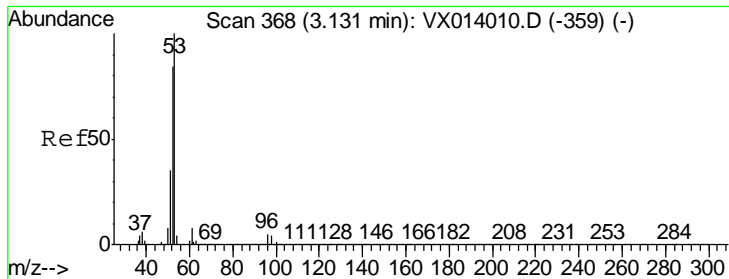
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#14
 Allyl chloride
 Concen: 152.861 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
41	1424464		
39	64.9	51.8	77.8
76	33.3	25.9	38.9





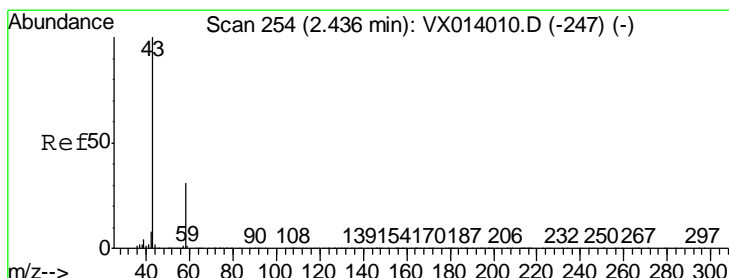
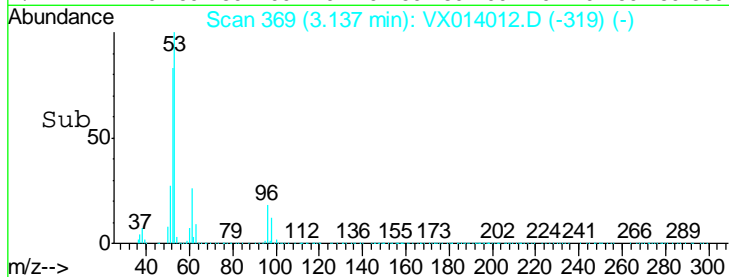
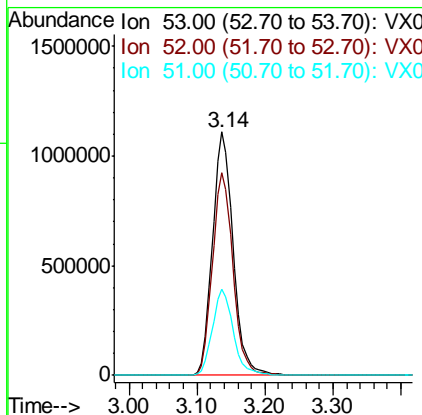
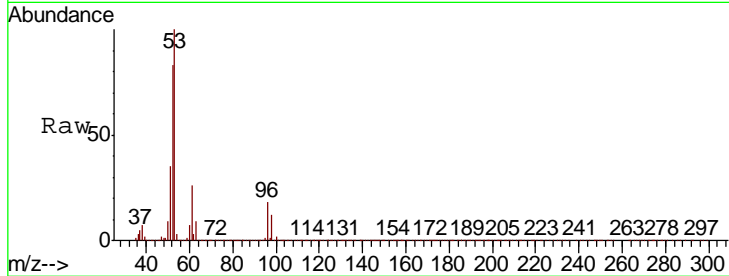
#15
 Acrylonitrile
 Concen: 734.864 ug/l
 RT: 3.14 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	35.5	28.1	42.1

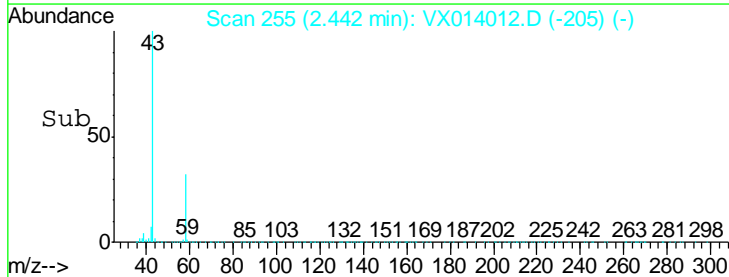
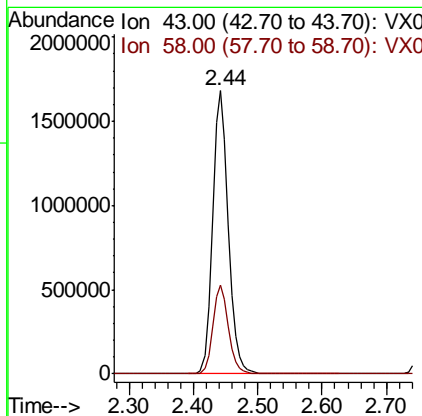
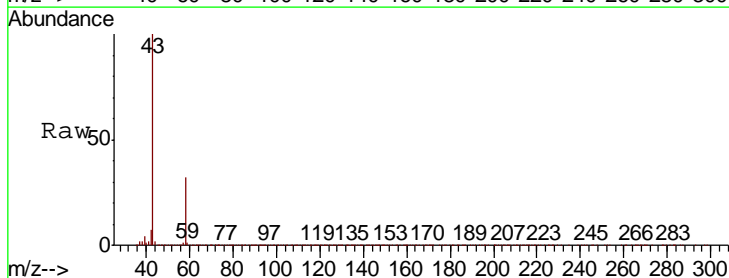
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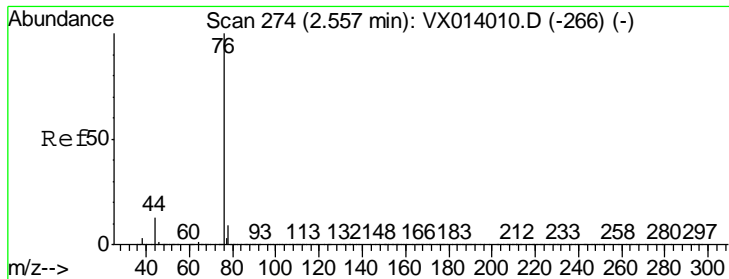
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#16
 Acetone
 Concen: 882.437 ug/l
 RT: 2.44 min Scan# 255
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.5	24.9	37.3





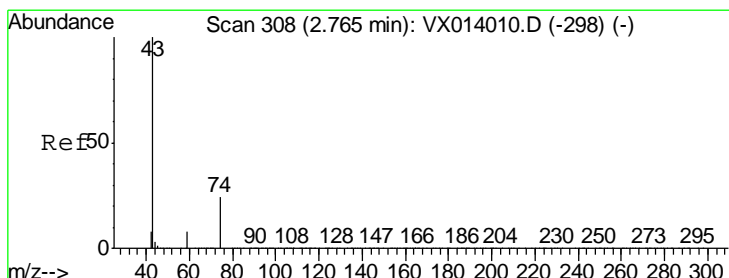
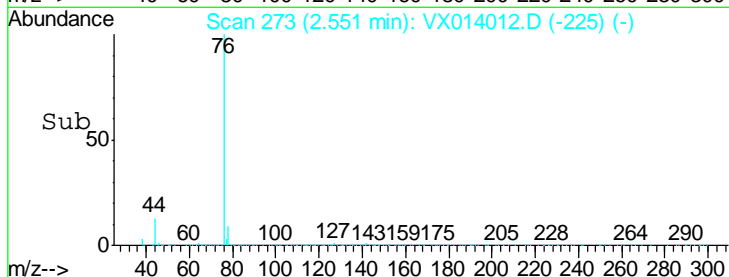
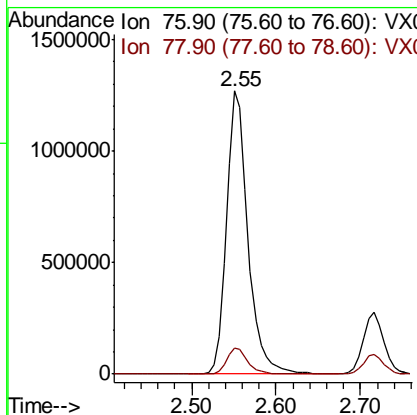
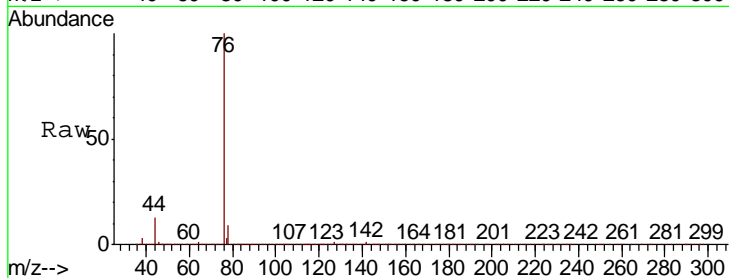
#17
 Carbon Disulfide
 Concen: 150.704 ug/l
 RT: 2.55 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	2212411		
76	100		
78	9.1	7.2	10.8

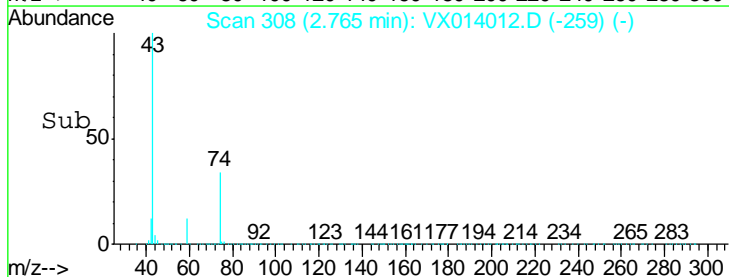
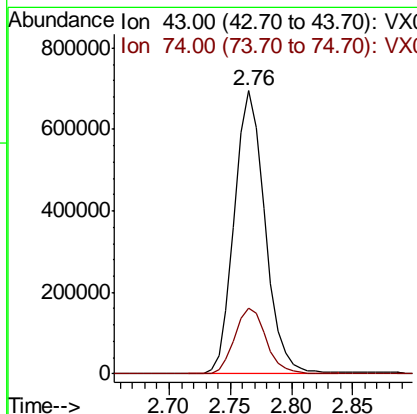
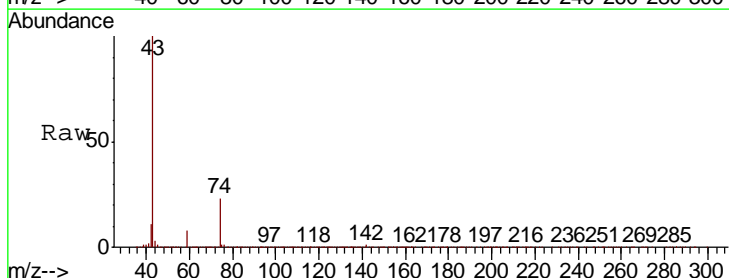
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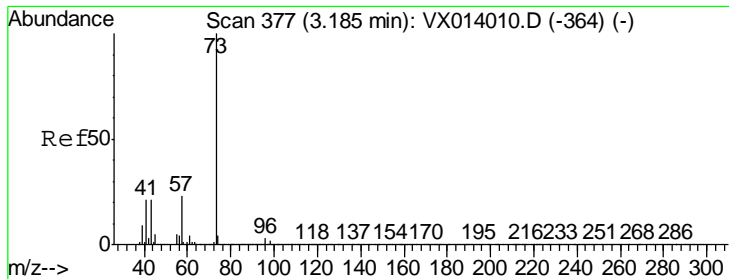
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#18
 Methyl Acetate
 Concen: 143.050 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
43	1204602		
43	100		
74	23.7	19.5	29.3





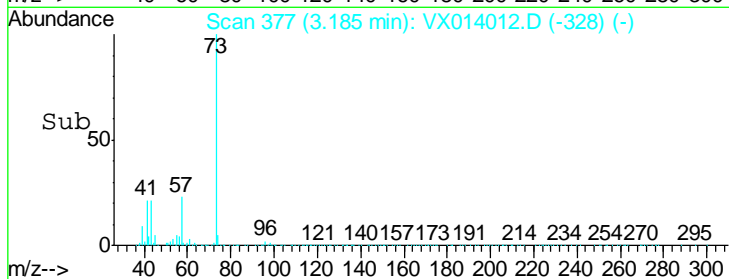
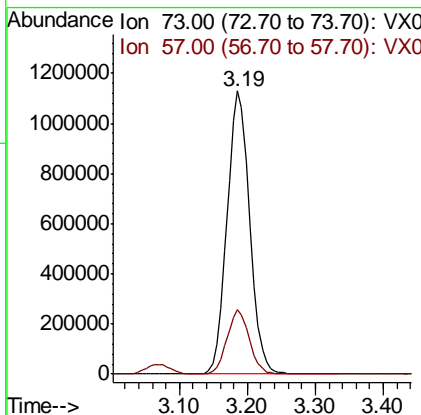
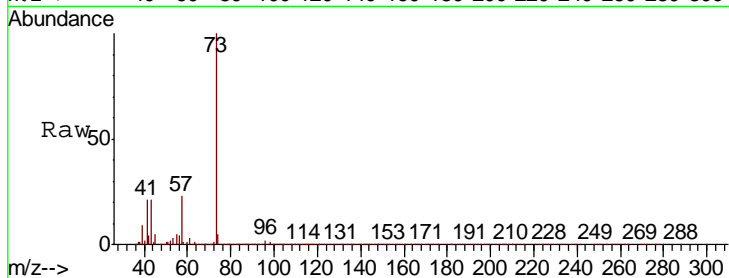
#19
Methyl tert-butyl Ether
Concen: 152.192 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.7	18.8	28.2

Instrument : MSVOA_X
Client Sampled : VSTDIC150

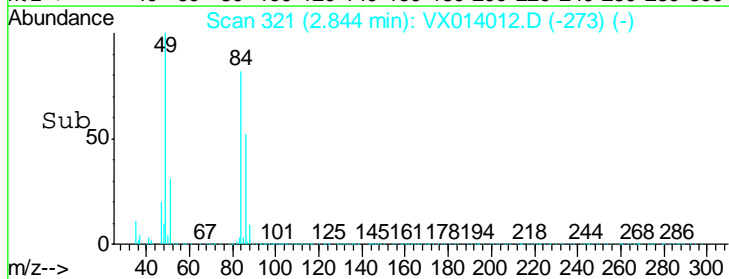
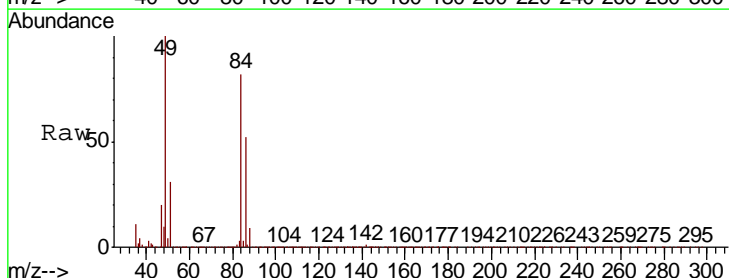
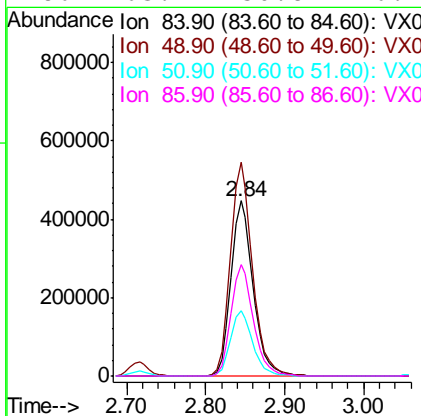
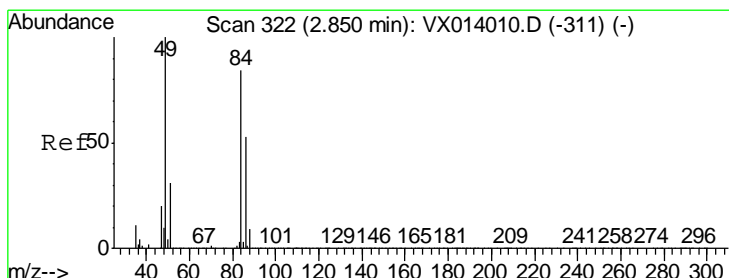
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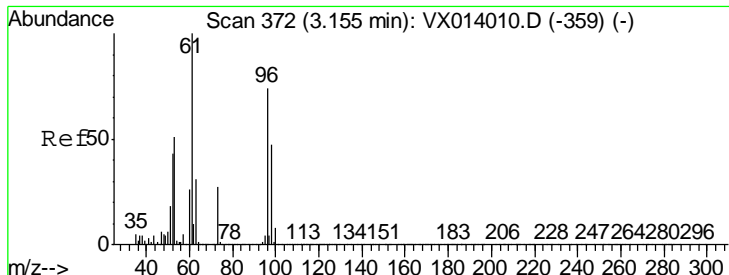
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#20
Methylene Chloride
Concen: 146.173 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
84	100		
49	122.0	95.8	143.6
51	37.3	29.8	44.8
86	63.2	50.8	76.2





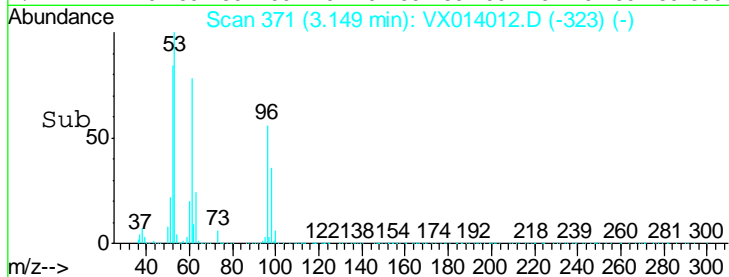
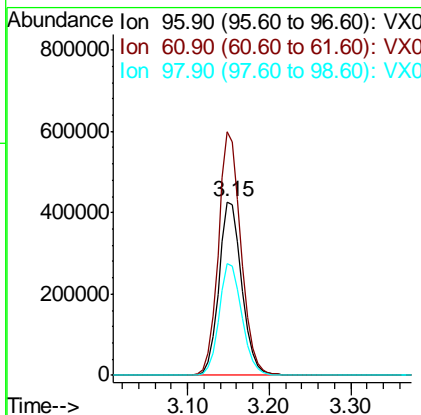
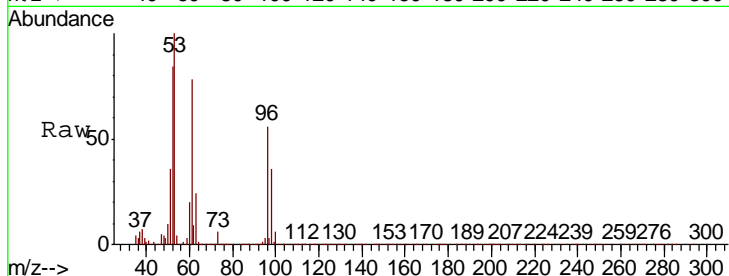
#21
 trans-1,2-Dichloroethene
 Concen: 147.972 ug/l
 RT: 3.15 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	829969		
96	100		
61	140.2	108.3	162.5
98	64.0	50.8	76.2

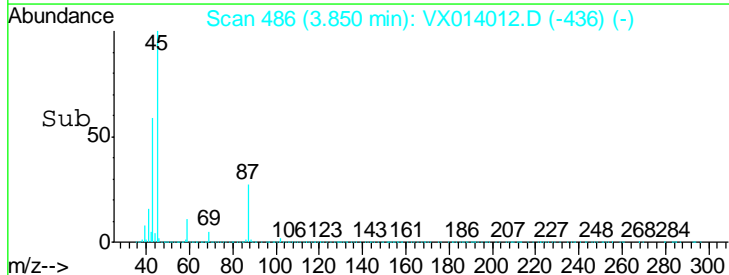
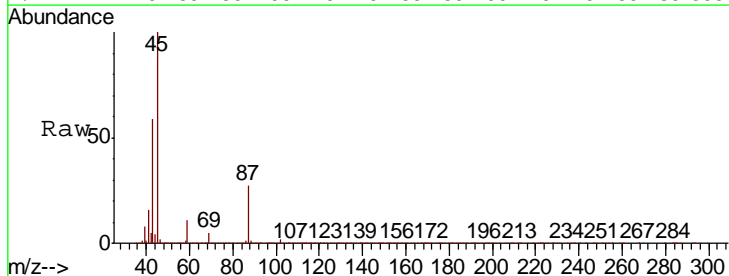
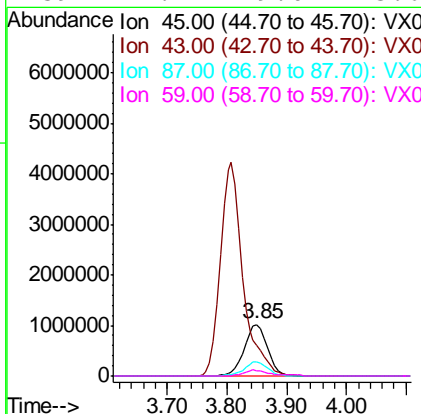
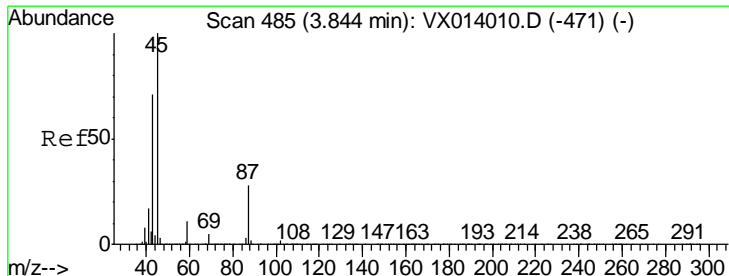
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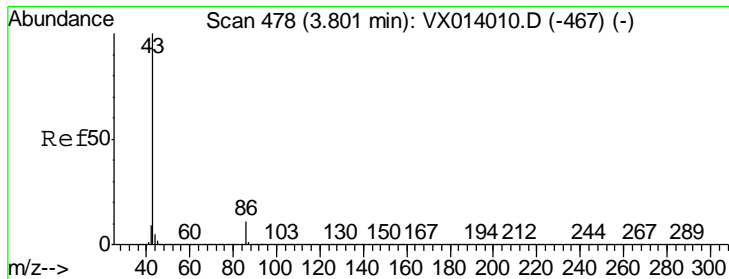
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#22
 Diisopropyl ether
 Concen: 154.046 ug/l
 RT: 3.85 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
45	2777400		
45	100		
43	58.7	57.4	86.0
87	27.3	21.9	32.9
59	11.1	9.0	13.6





#23
 Vinyl Acetate
 Concen: 745.509 ug/l
 RT: 3.81 min Scan# 479
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

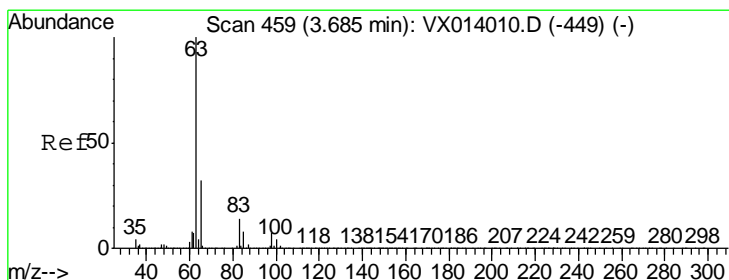
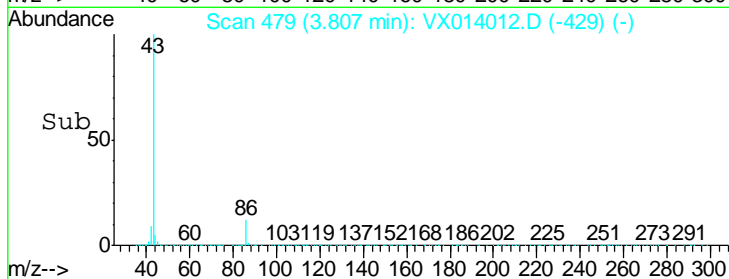
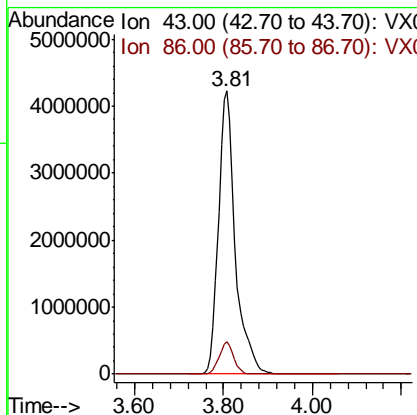
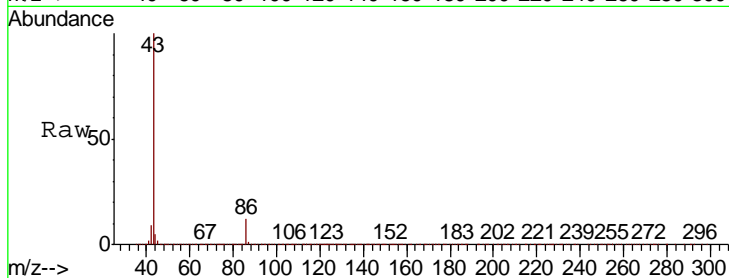
Tgt Ion: 43 Resp: 11159560

Ion	Ratio	Lower	Upper
43	100		
86	11.5	8.6	12.8

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Manual Integrations
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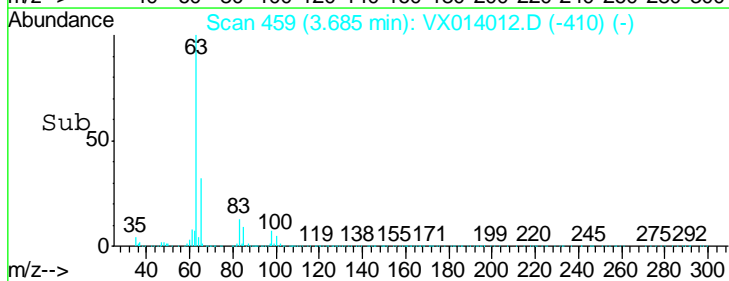
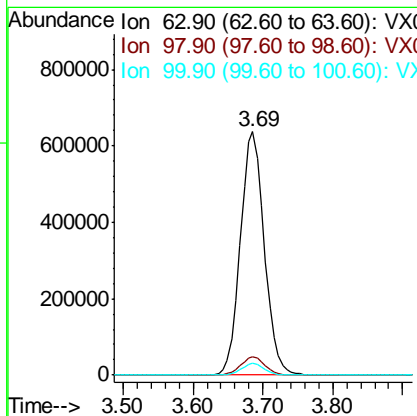
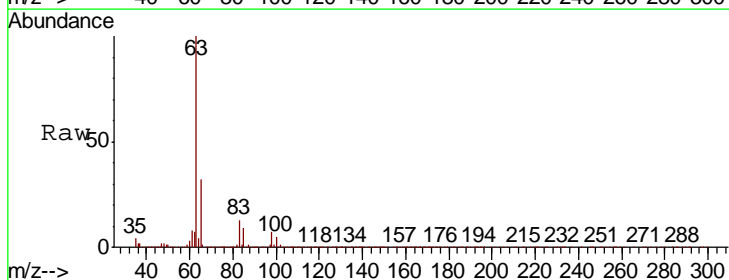
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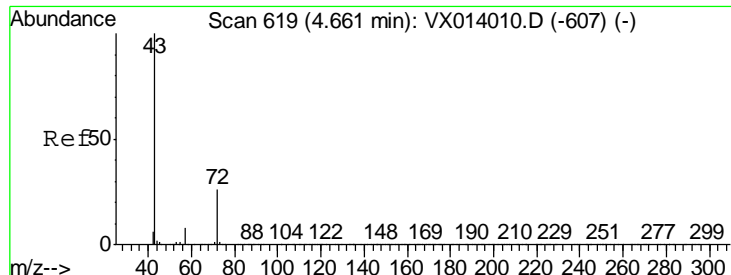


#24
 1,1-Dichloroethane
 Concen: 153.488 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion: 63 Resp: 1512700

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.9	2.3	6.8





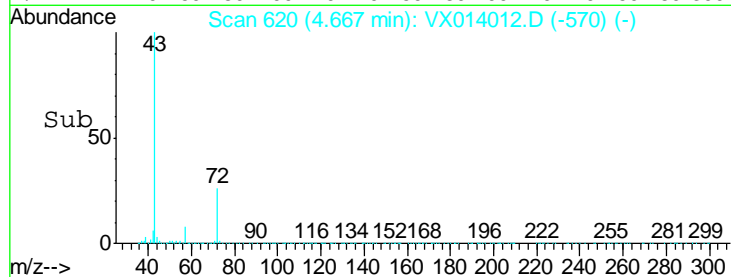
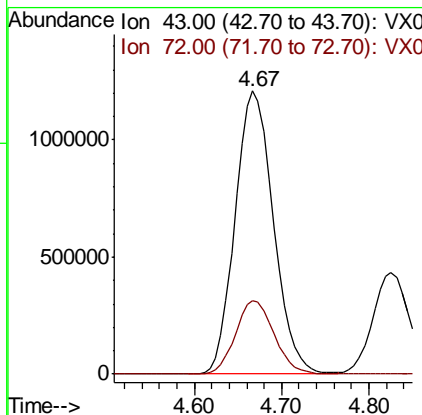
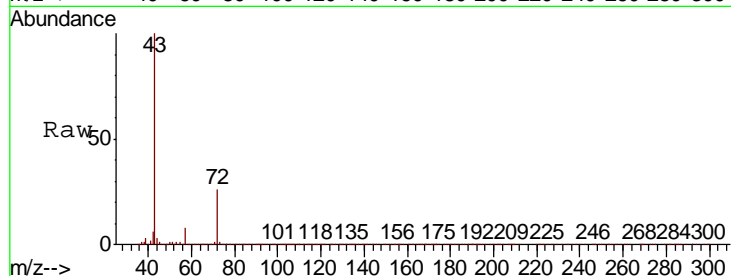
#25
 2-Butanone
 Concen: 792.556 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.8	21.0	31.4

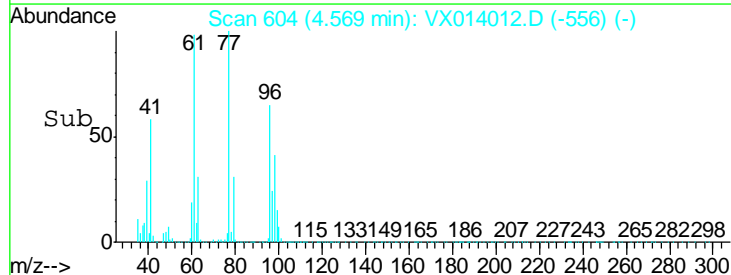
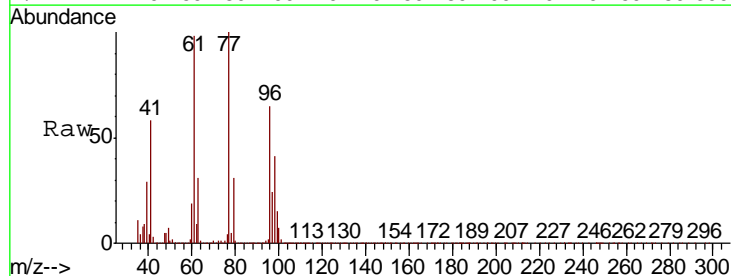
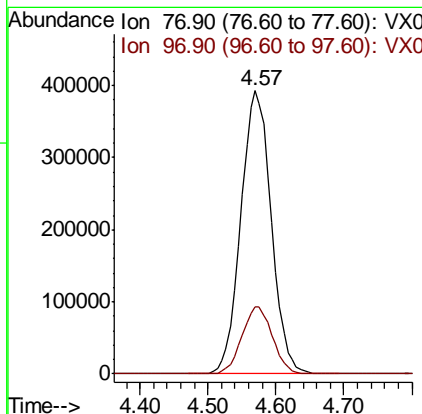
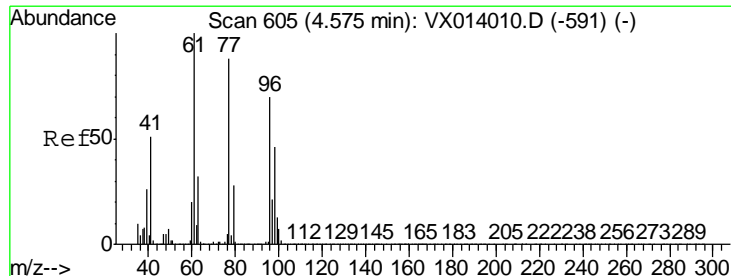
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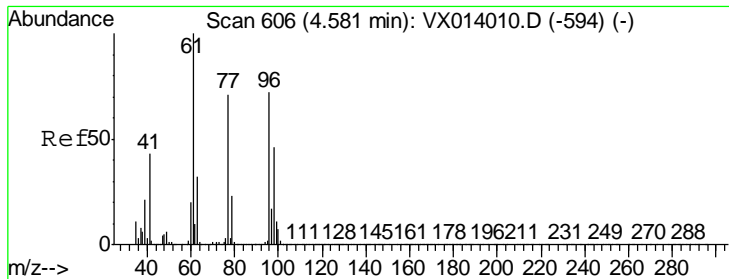
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#26
 2,2-Dichloropropane
 Concen: 150.261 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.9	35.9





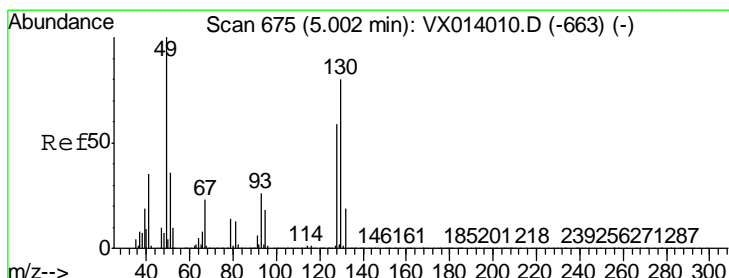
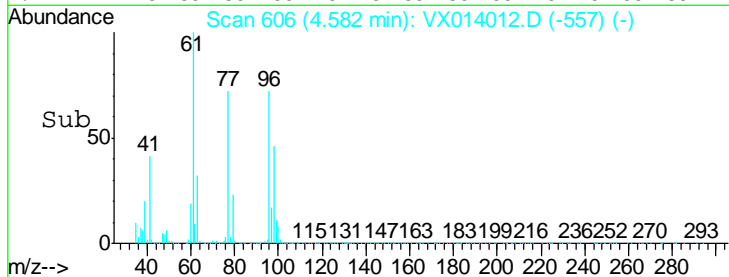
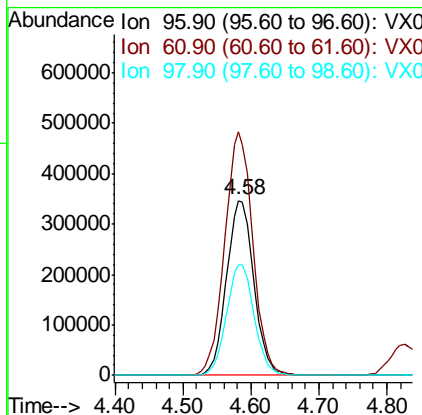
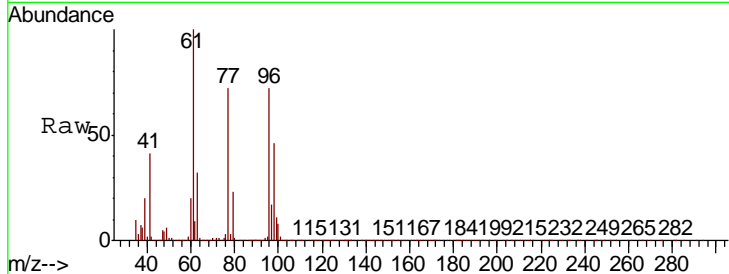
#27
 cis-1,2-Dichloroethene
 Concen: 149.395 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	961661		
96	100		
61	143.8	0.0	288.4
98	64.2	0.0	129.6

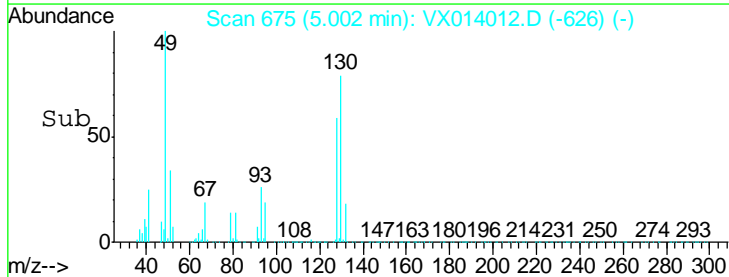
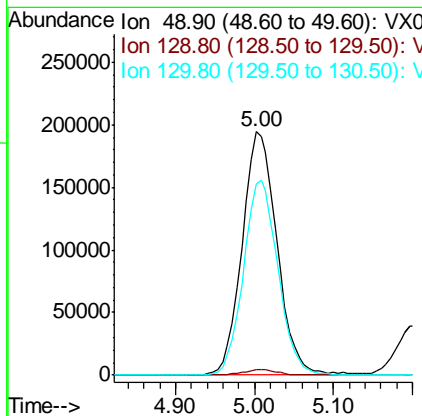
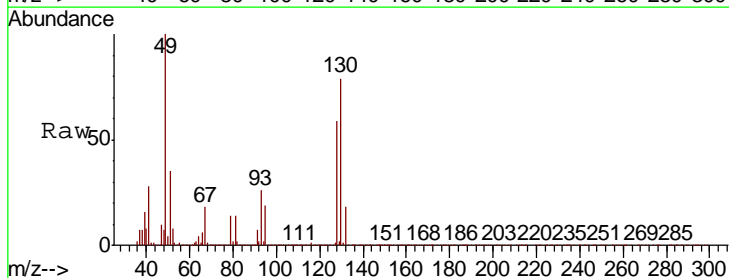
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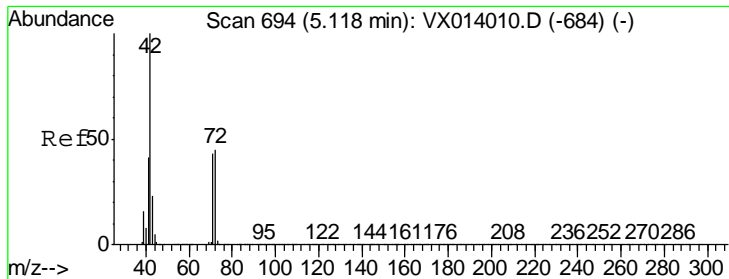
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#28
 Bromochloromethane
 Concen: 170.925 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
49	594697		
49	100		
129	2.2	0.0	5.0
130	79.3	64.6	97.0





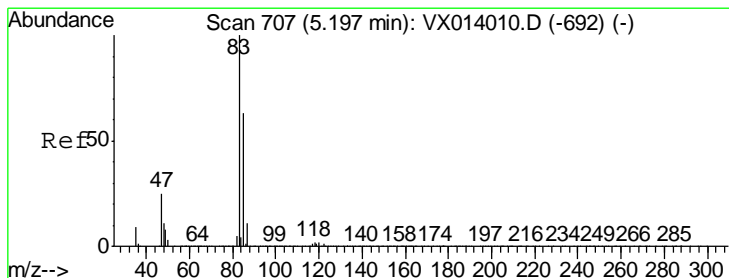
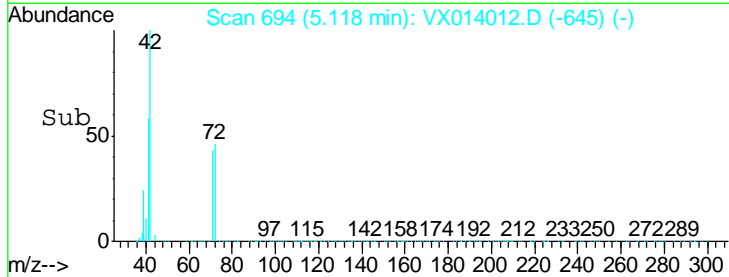
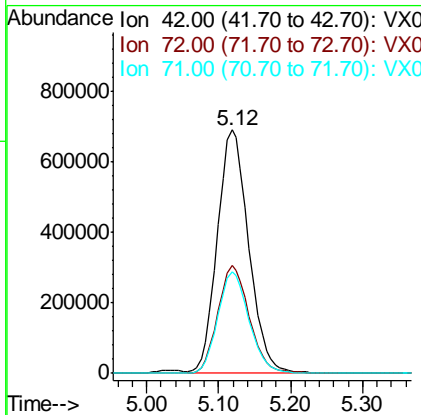
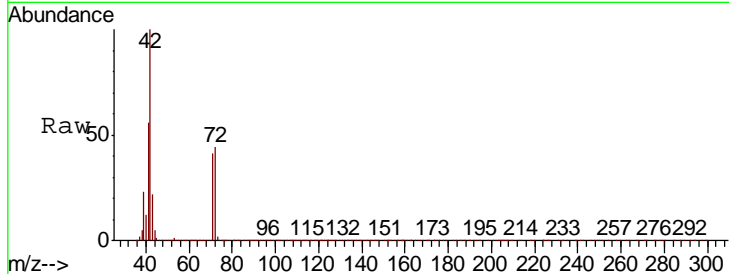
#29
 Tetrahydrofuran
 Concen: 745.240 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion: 42 Resp: 2087333

Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.8
71	41.5	33.6	50.4

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

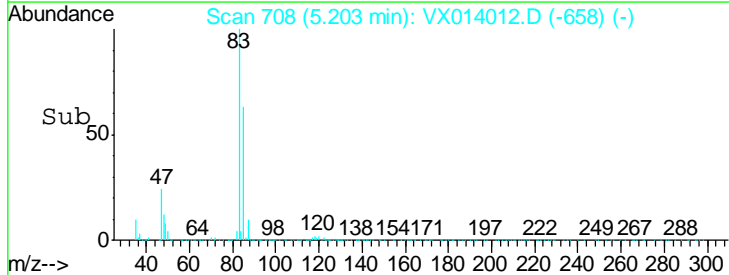
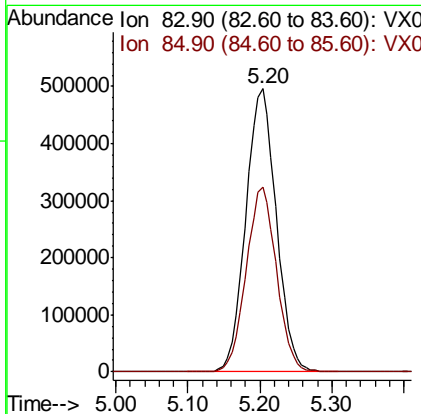
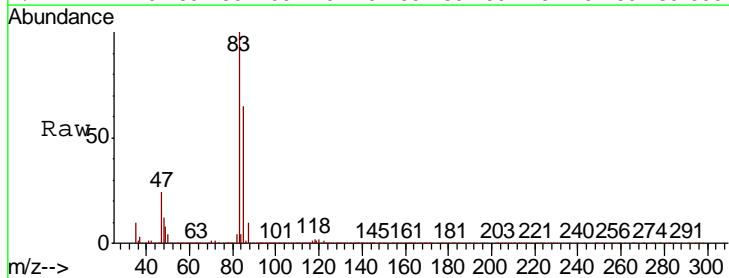
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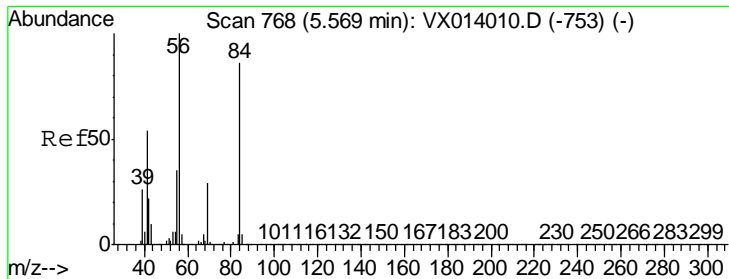


#30
 Chloroform
 Concen: 146.153 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion: 83 Resp: 1457923

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.8	76.2





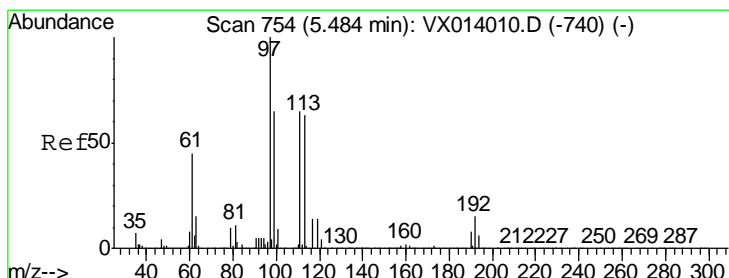
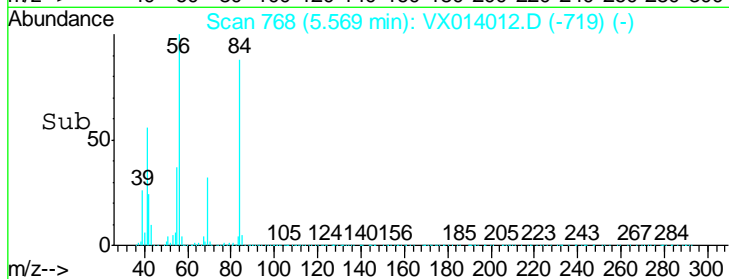
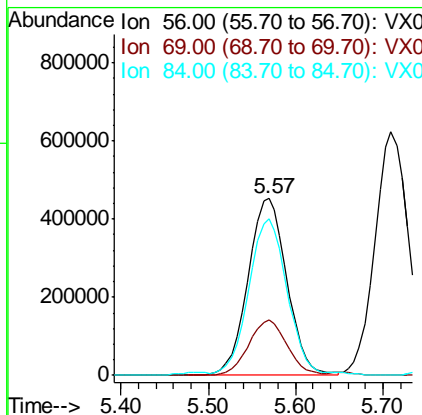
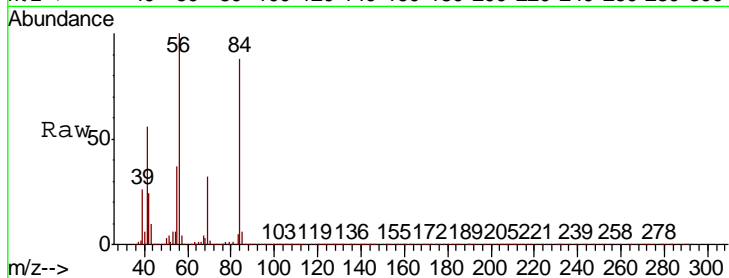
#31
 Cyclohexane
 Concen: 149.543 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.7	23.2	34.8
84	87.1	69.2	103.8

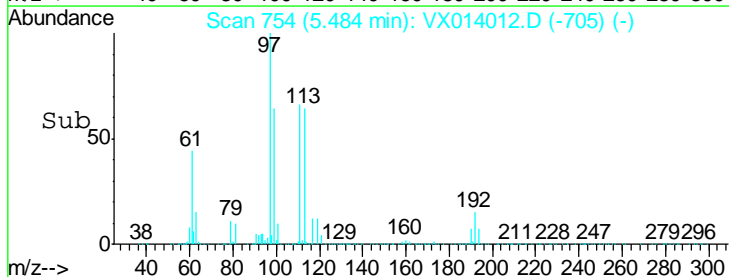
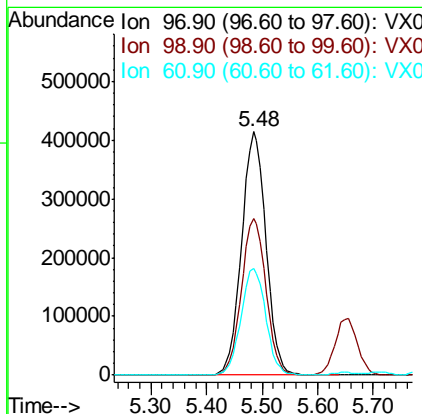
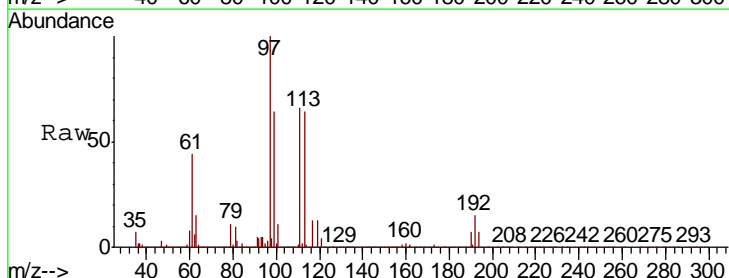
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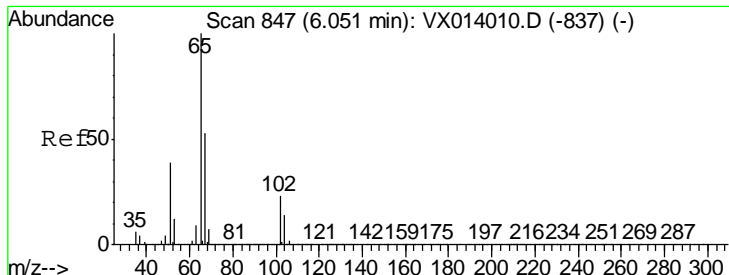
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#32
 1,1,1-Trichloroethane
 Concen: 151.096 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	44.3	36.7	55.1





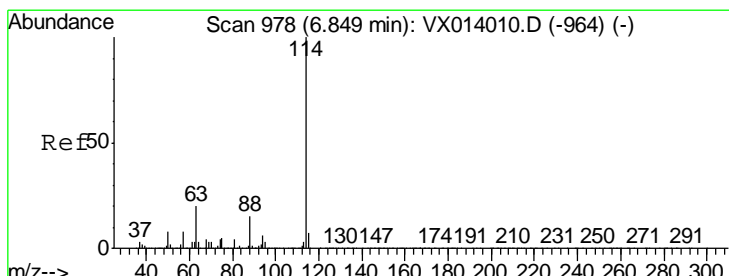
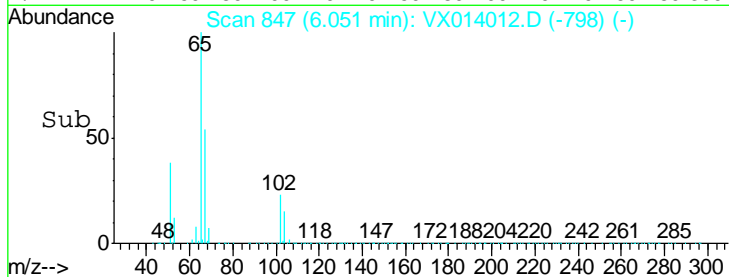
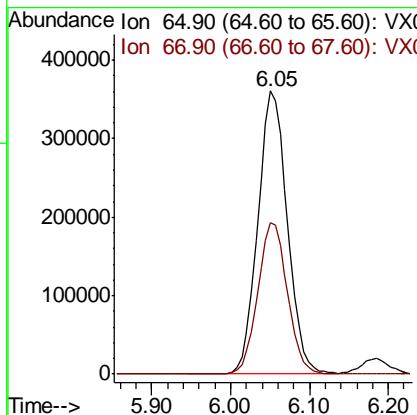
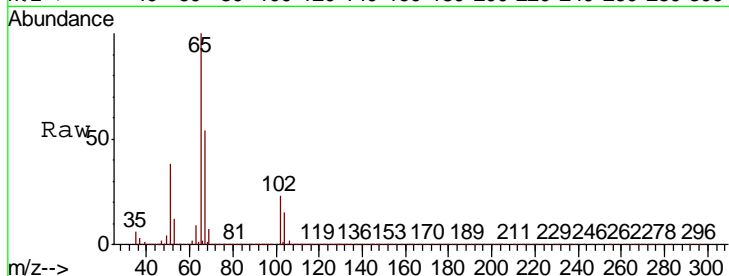
#33
 1,2-Dichloroethane-d4
 Concen: 148.855 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.6	0.0	106.4

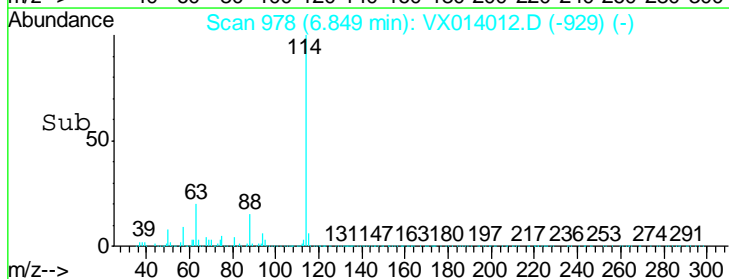
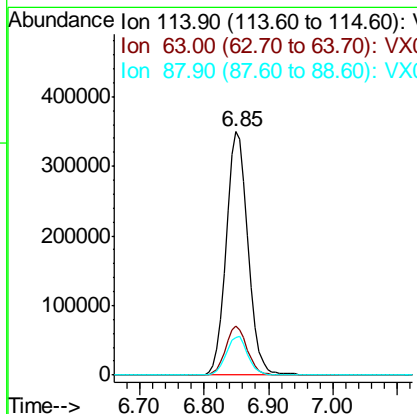
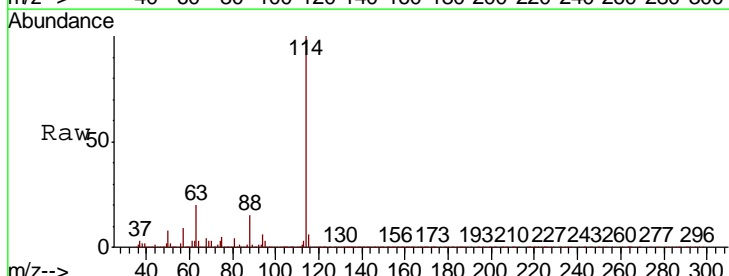
Manual Integrations
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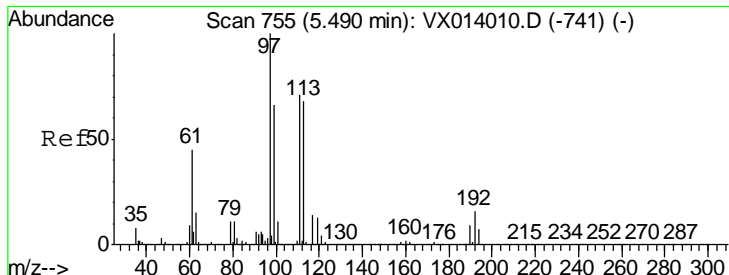
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

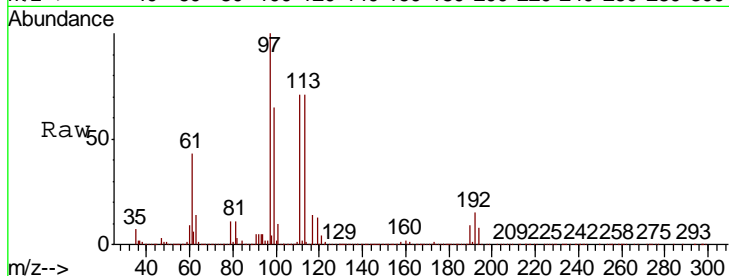
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	15.4	0.0	30.4





#35
 Dibromofluoromethane
 Concen: 151.882 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

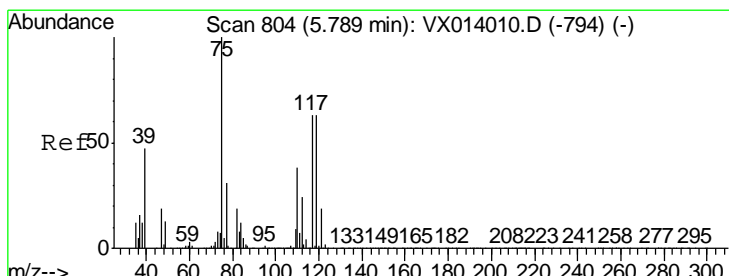
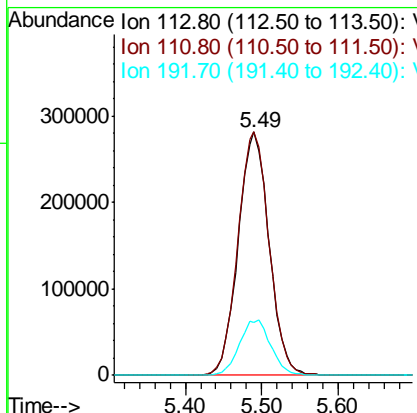
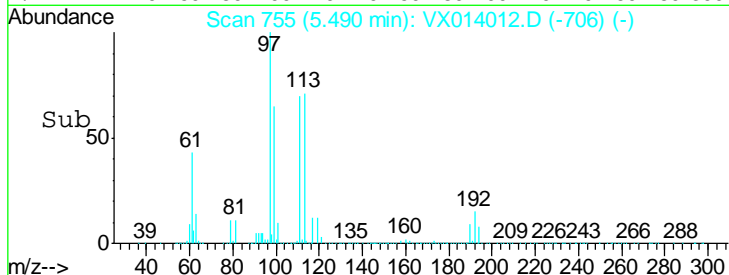
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150



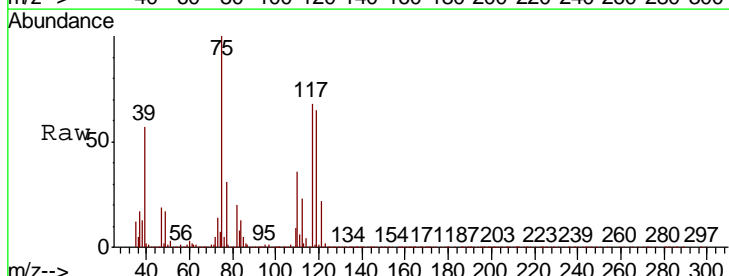
Tgt Ion	Resp	Lower	Upper
113	788057		
113	100		
111	101.4	82.0	123.0
192	23.2	19.3	28.9

Manual Integrations
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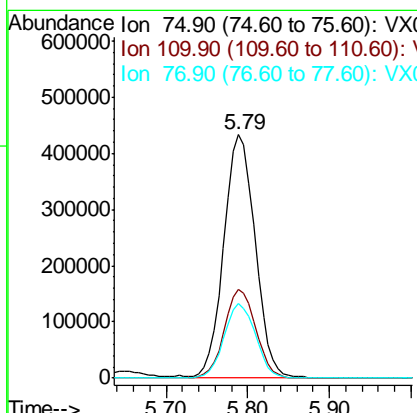
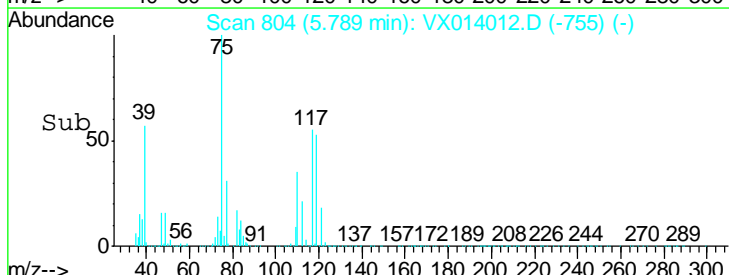
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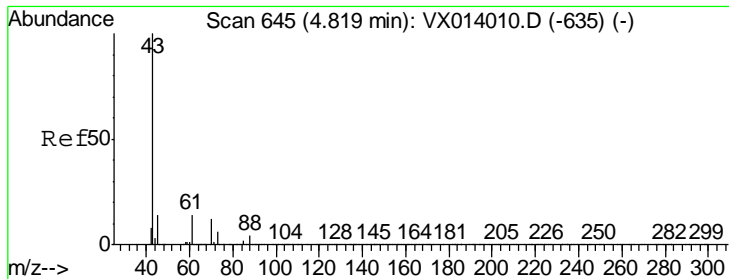


#36
 1,1-Dichloropropene
 Concen: 151.372 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45



Tgt Ion	Resp	Lower	Upper
75	1147913		
75	100		
110	36.4	18.3	54.9
77	30.7	24.8	37.2





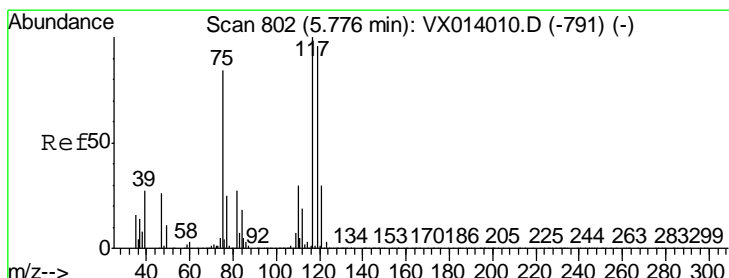
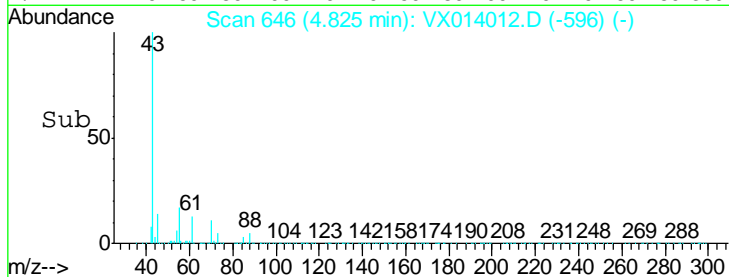
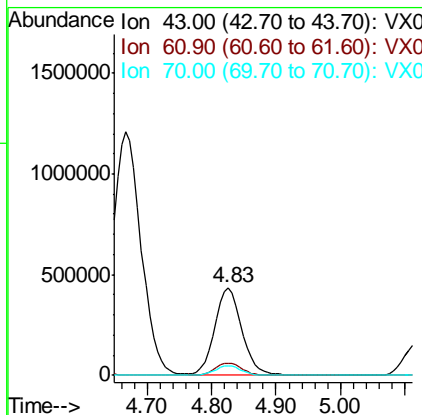
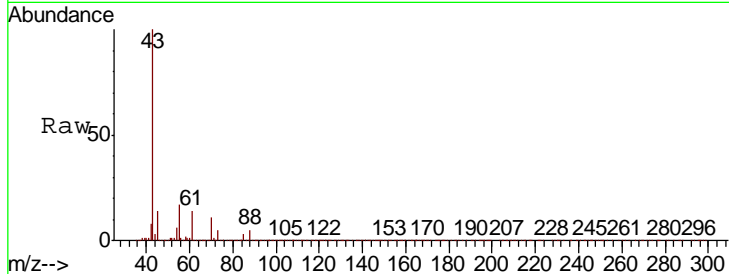
#37
Ethyl Acetate
Concen: 152.166 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	1287314		
61	13.9	10.8	16.2
70	10.6	8.6	12.8

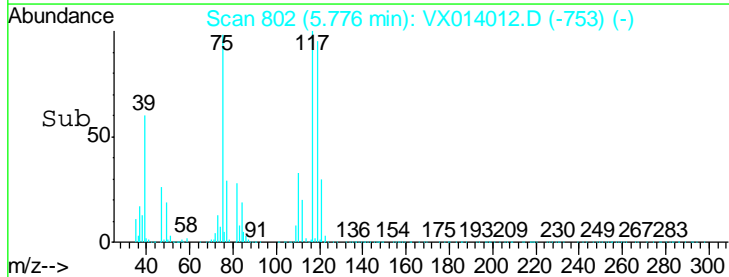
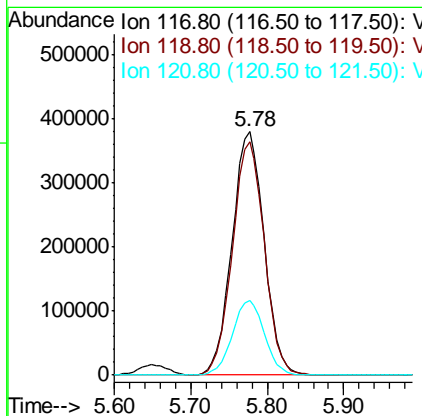
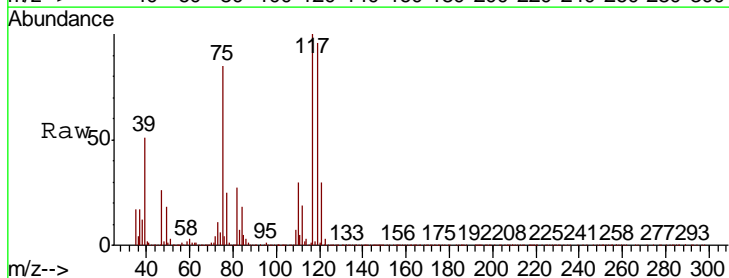
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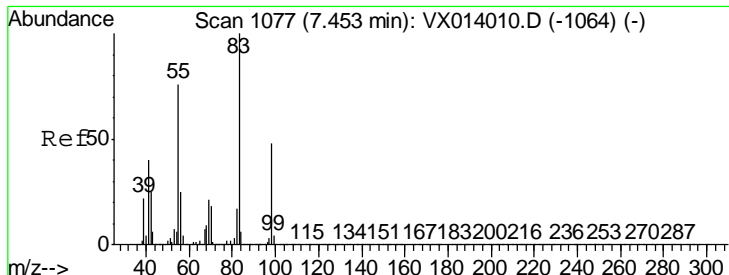
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#38
Carbon Tetrachloride
Concen: 157.180 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
117	1099440		
119	96.0	76.2	114.4
121	30.4	23.6	35.4





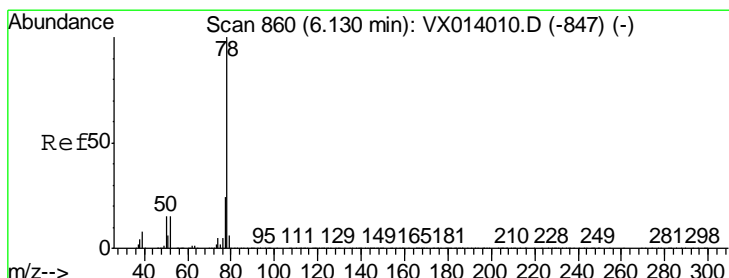
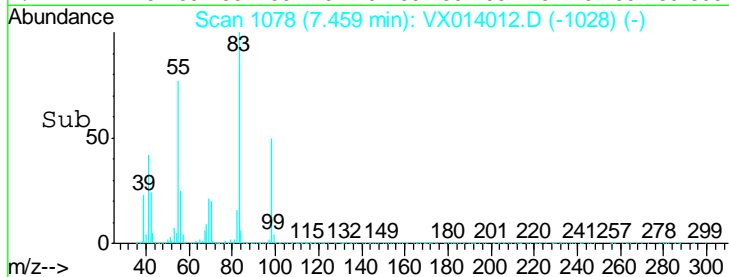
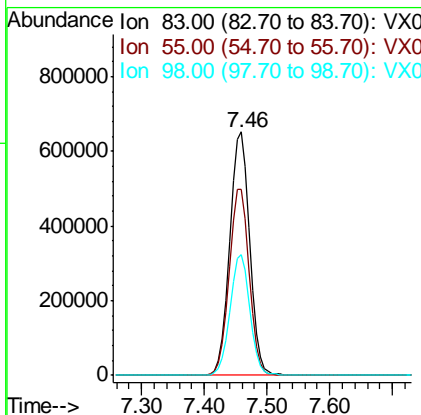
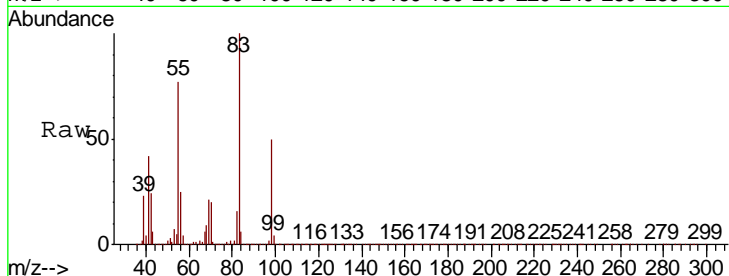
#39
 Methylcyclohexane
 Concen: 152.452 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	1431530		
83	100		
55	76.6	61.0	91.6
98	49.6	38.6	57.8

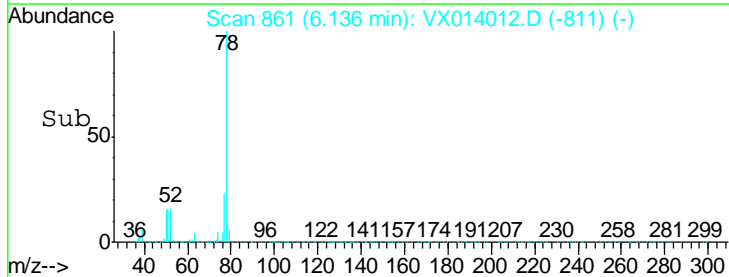
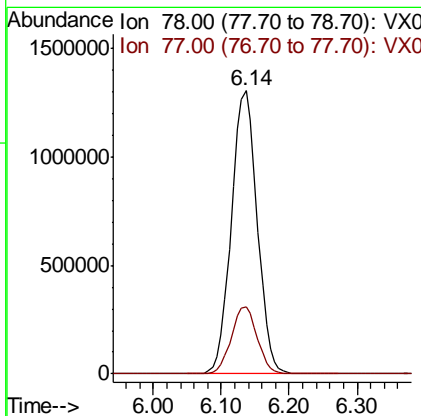
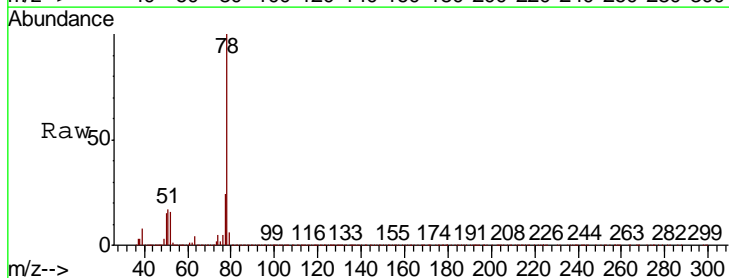
Manual Integrations
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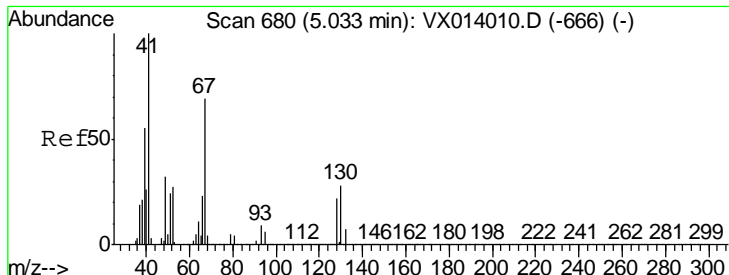
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#40
 Benzene
 Concen: 148.726 ug/l
 RT: 6.14 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
78	3442287		
78	100		
77	23.6	18.8	28.2





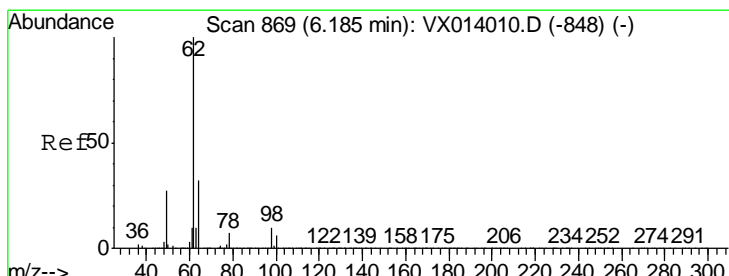
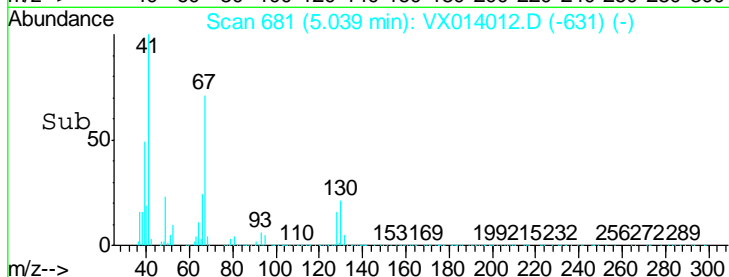
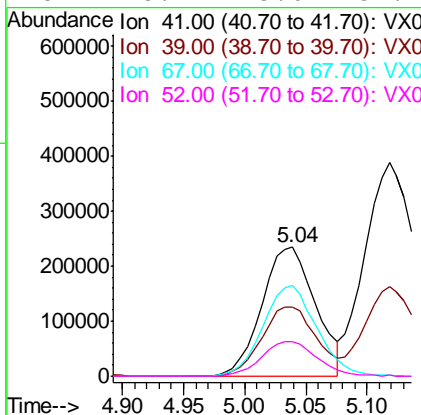
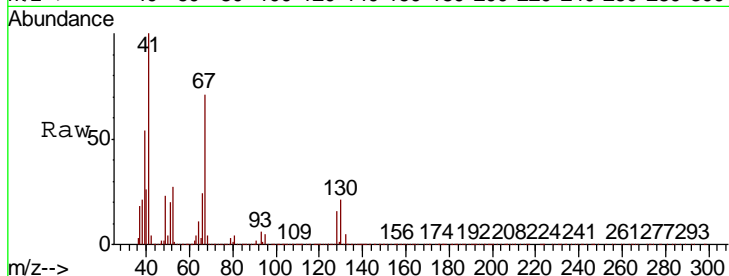
#41
 Methacrylonitrile
 Concen: 154.915 ug/l
 RT: 5.04 min Scan# 681
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
41	100		
39	54.3	44.5	66.7
67	70.9	57.4	86.0
52	28.2	23.0	34.4

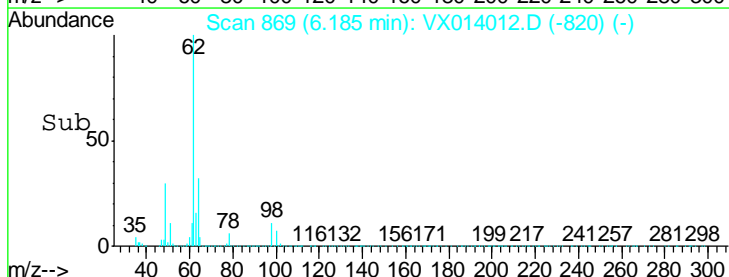
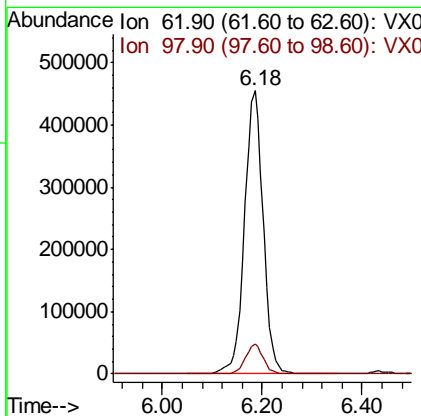
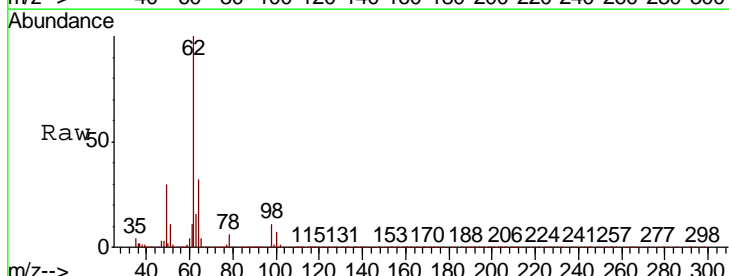
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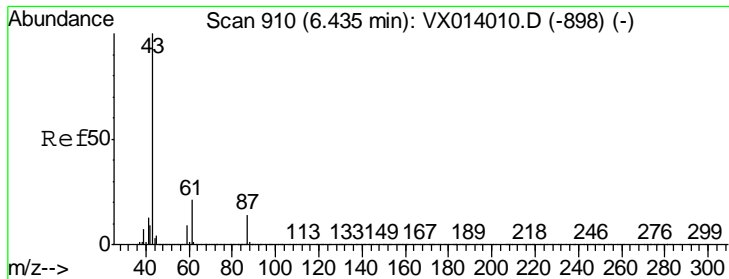
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#42
 1,2-Dichloroethane
 Concen: 149.634 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.1	0.0	21.0





#43
 Isopropyl Acetate
 Concen: 156.119 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

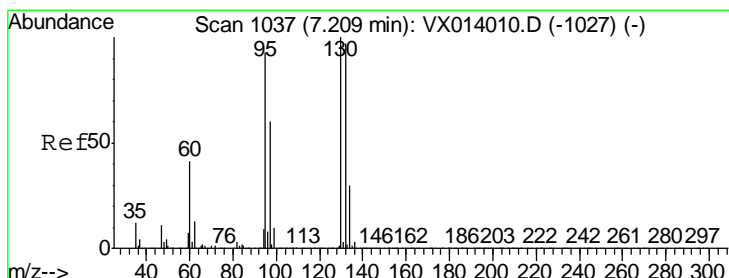
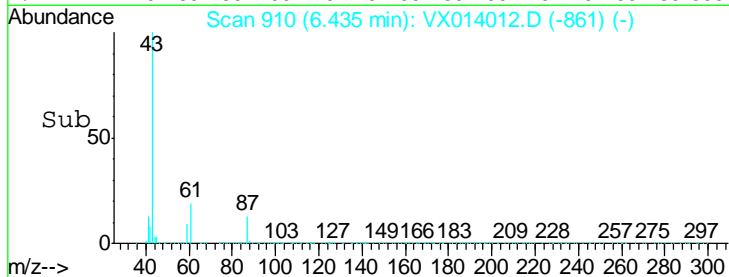
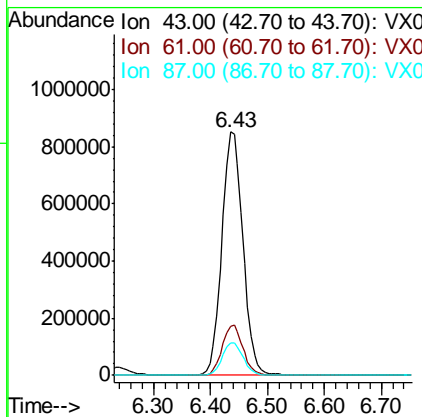
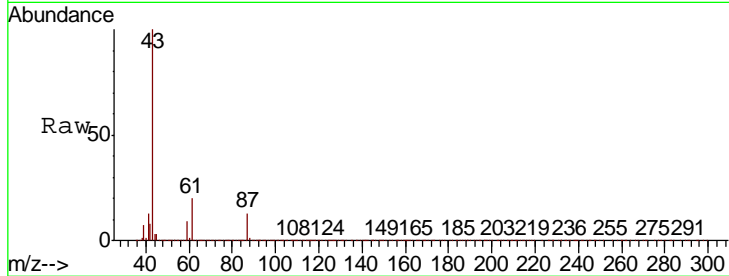
Instrument : MSVOA_X
 ClientSampled : VSTDIC150

Tgt Ion: 43 Resp: 2181617

Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.4	24.6
87	13.2	10.7	16.1

Manual Integrations
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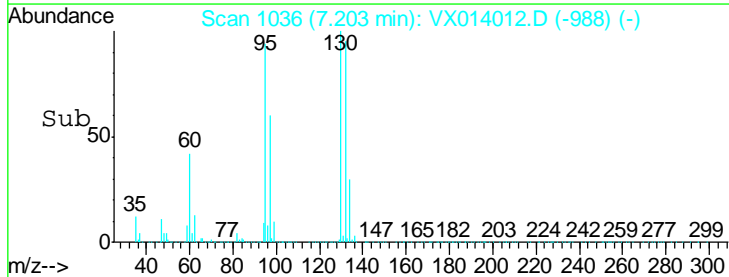
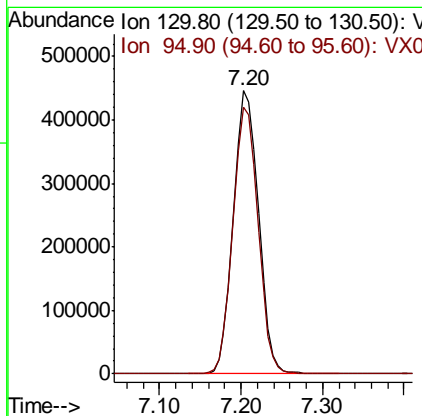
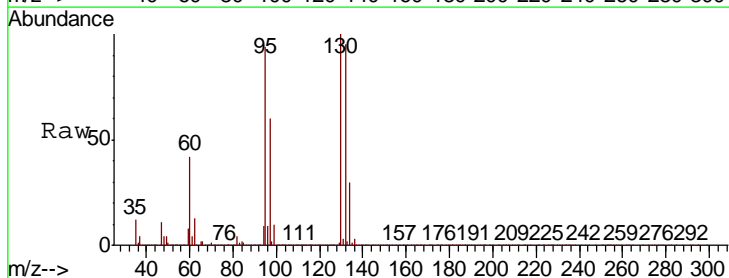
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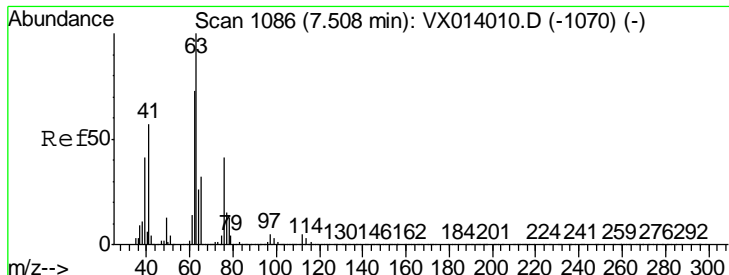


#44
 Trichloroethene
 Concen: 149.877 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion: 130 Resp: 948580

Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	185.6





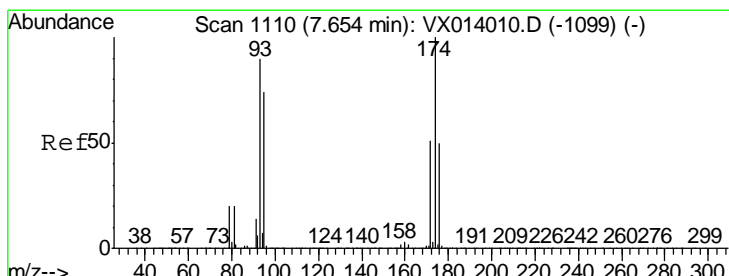
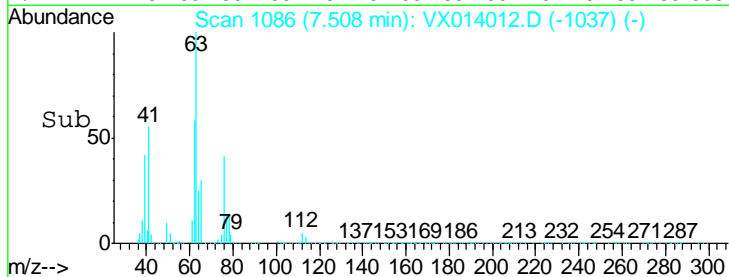
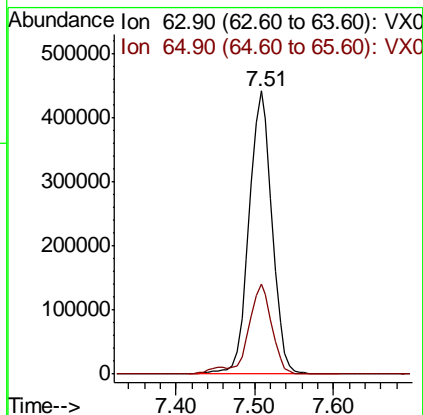
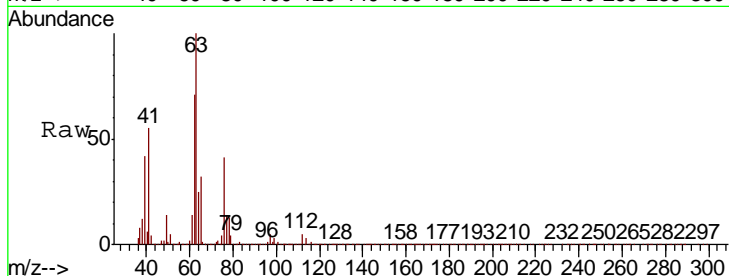
#45
 1,2-Dichloropropane
 Concen: 154.137 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.6	25.8	38.8

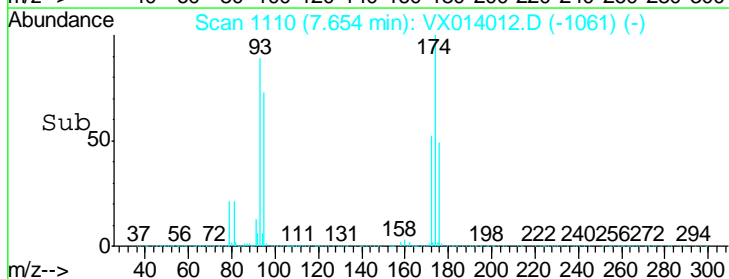
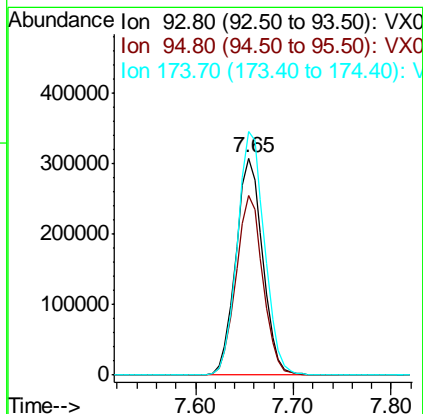
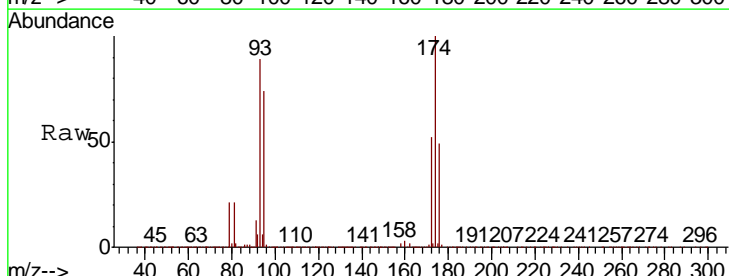
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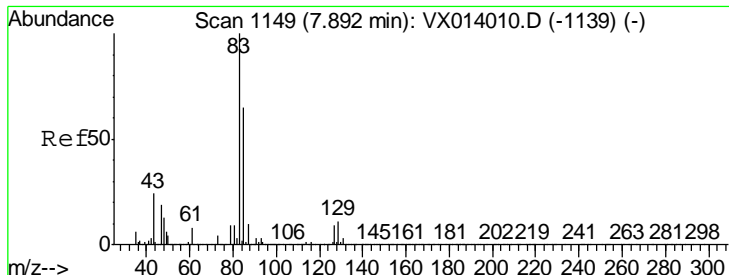
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#46
 Dibromomethane
 Concen: 149.129 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
93	100		
95	82.7	67.3	100.9
174	113.8	91.6	137.4





#47

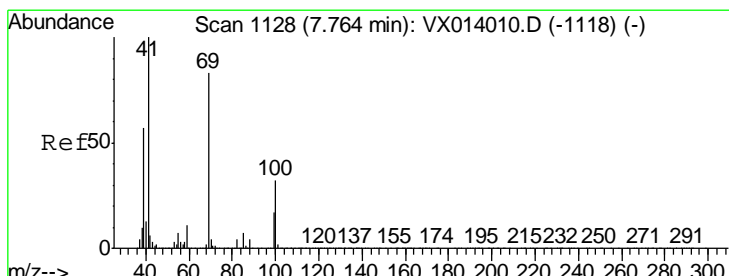
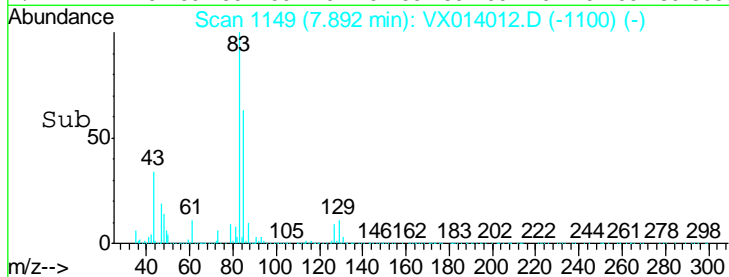
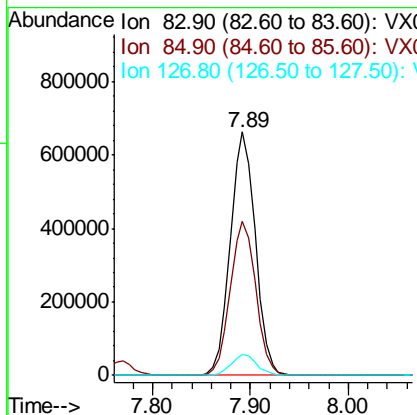
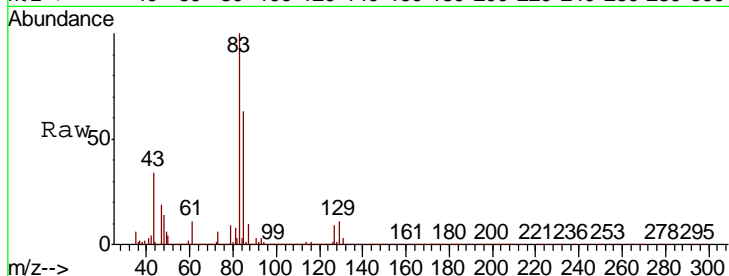
Bromodichloromethane
 Concen: 159.175 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	1181251		
85	63.3	51.8	77.8
127	8.5	7.0	10.4

Manual Integrations
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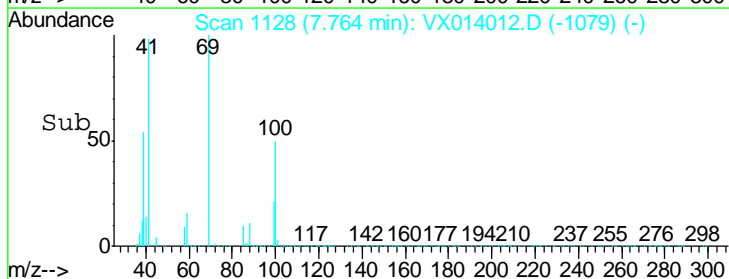
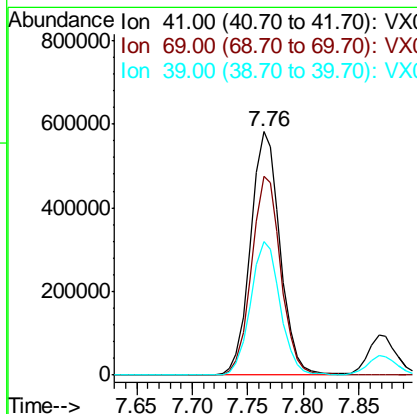
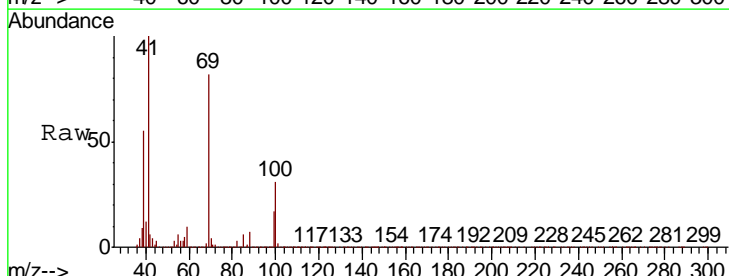
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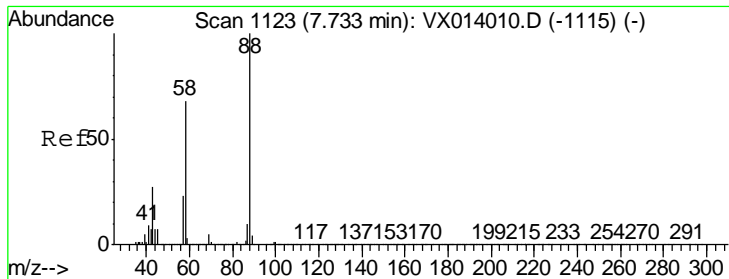


#48

Methyl methacrylate
 Concen: 158.165 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
41	1071509		
69	81.6	65.8	98.6
39	55.0	44.6	67.0





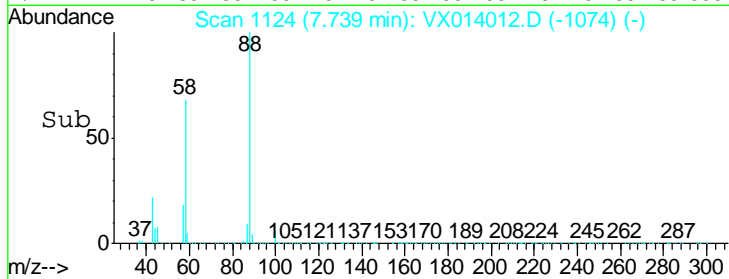
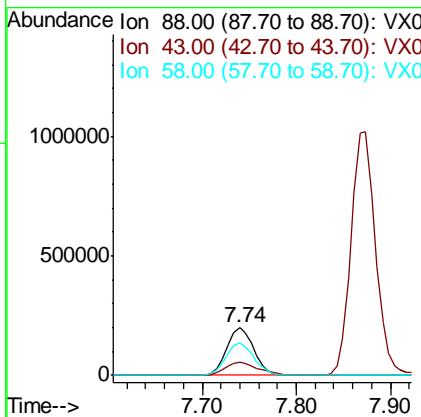
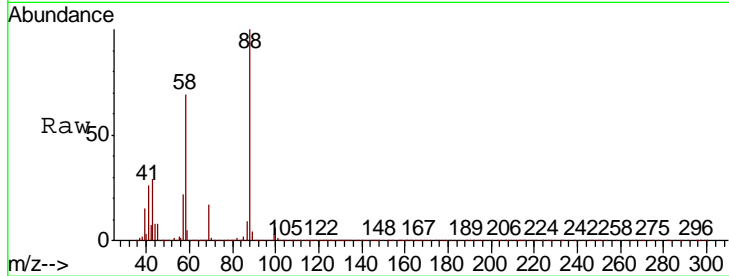
#49
 1,4-Dioxane
 Concen: 2642.701 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
88	394321		
88	100		
43	32.8	26.5	39.7
58	70.6	56.8	85.2

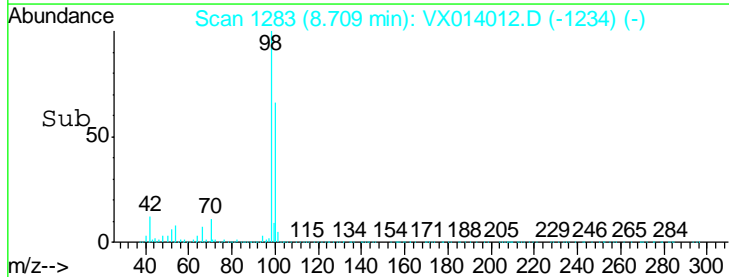
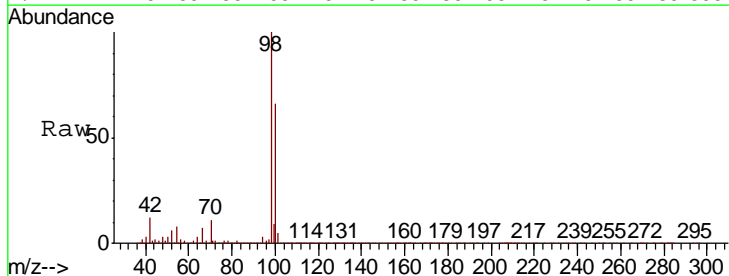
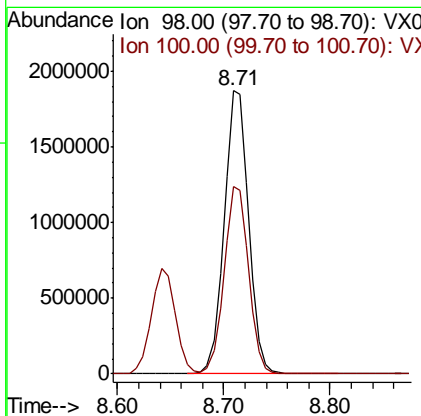
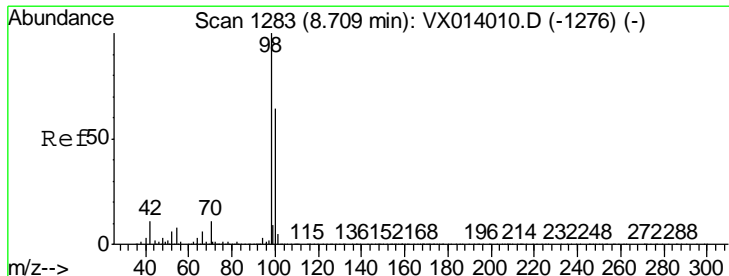
Manual Integrations
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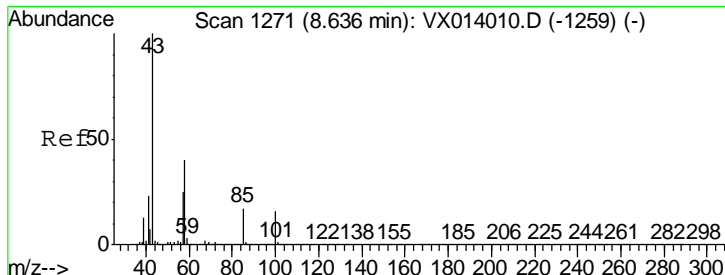
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#50
 Toluene-d8
 Concen: 147.689 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
98	2996447		
98	100		
100	66.5	52.9	79.3





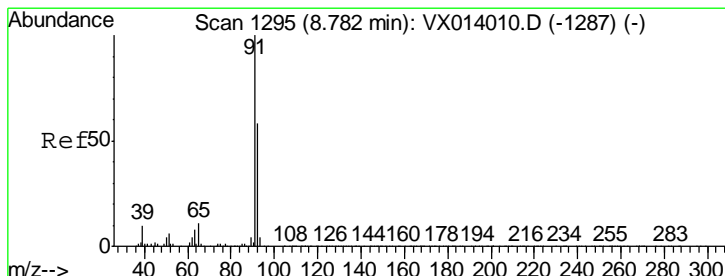
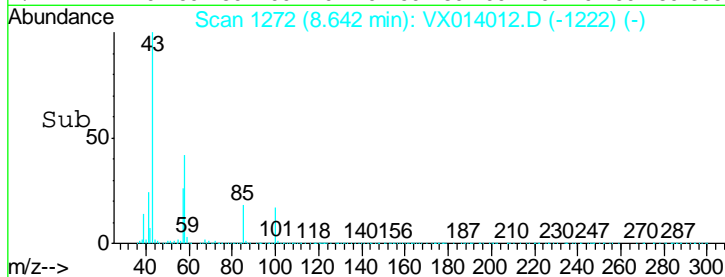
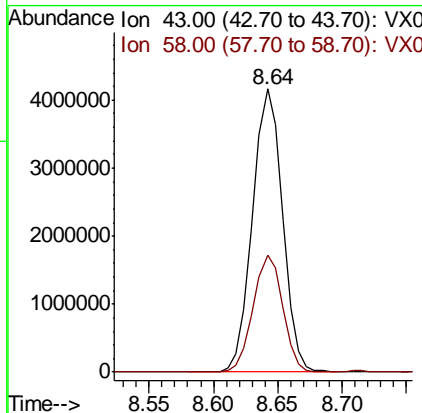
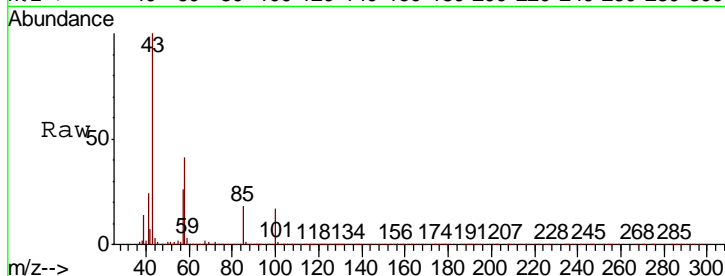
#51
 4-Methyl-2-Pentanone
 Concen: 761.881 ug/l
 RT: 8.64 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.8	32.2	48.2

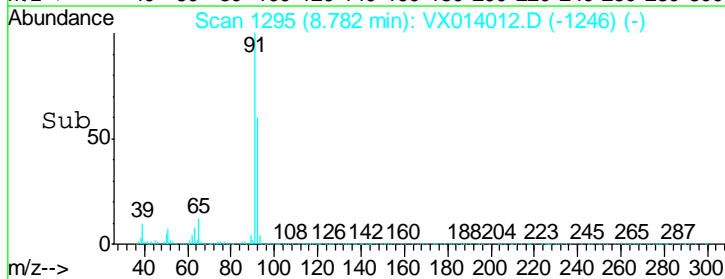
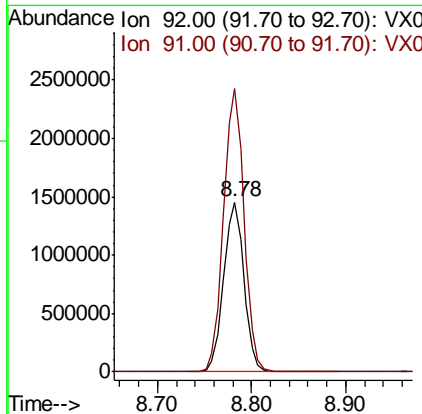
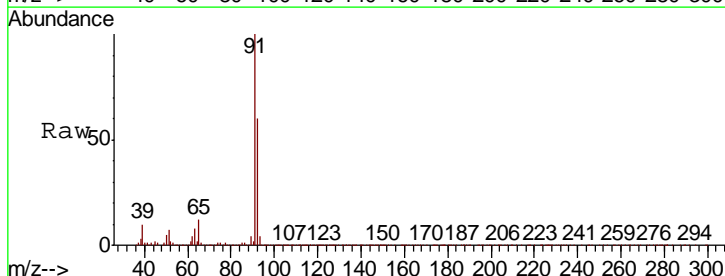
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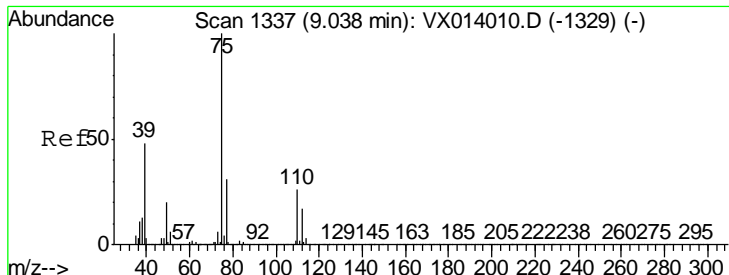
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#52
 Toluene
 Concen: 151.380 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
92	100		
91	168.5	136.2	204.4





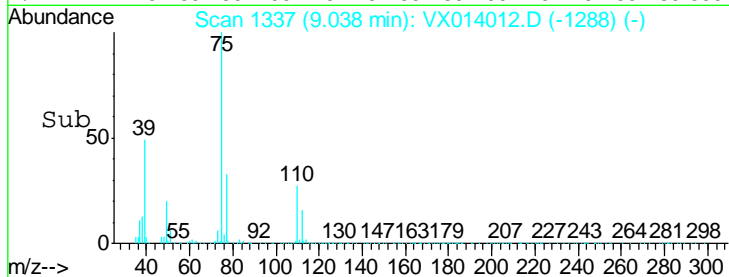
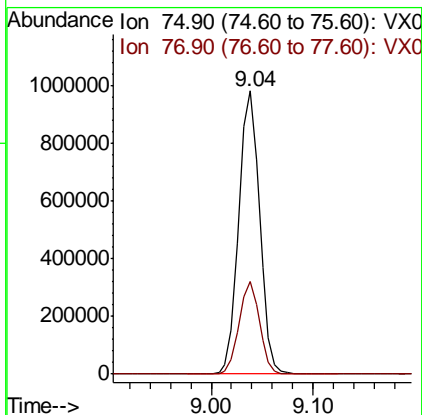
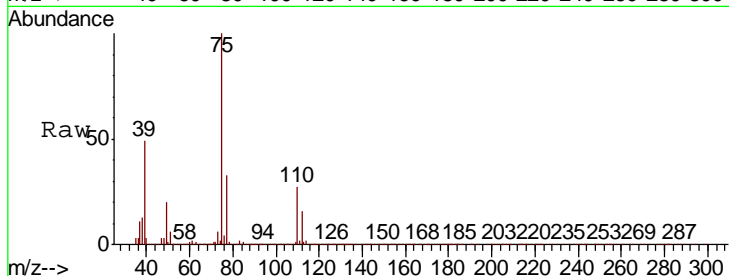
#53
 t-1,3-Dichloropropene
 Concen: 164.046 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.5	25.1	37.7

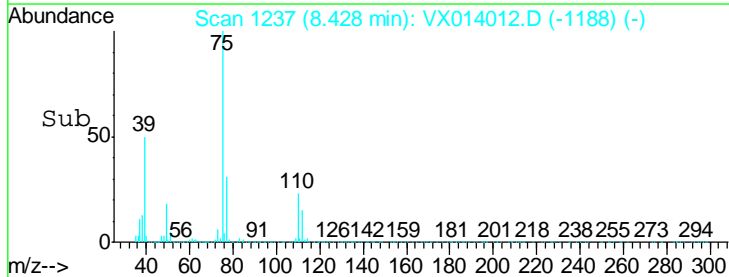
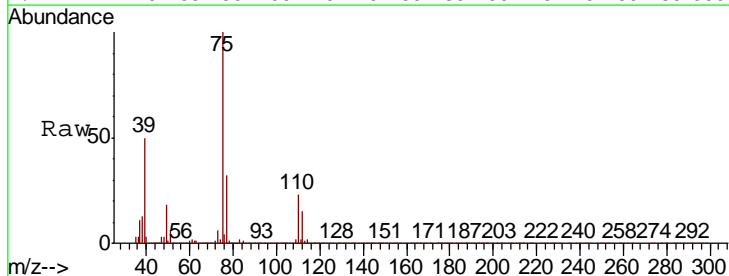
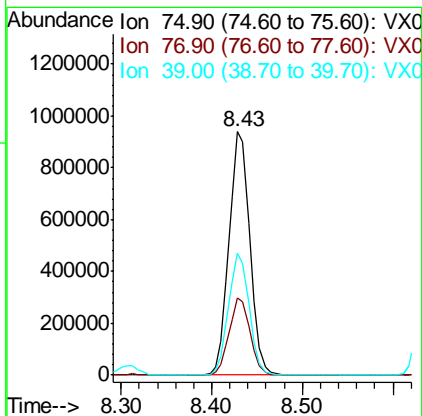
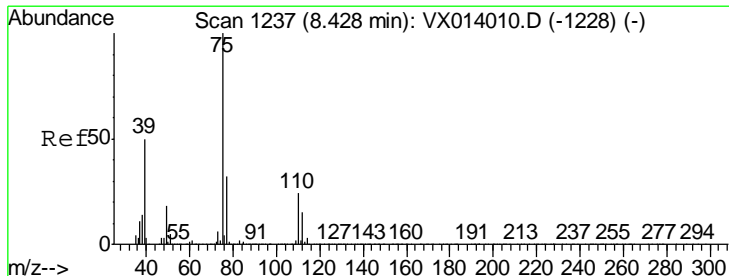
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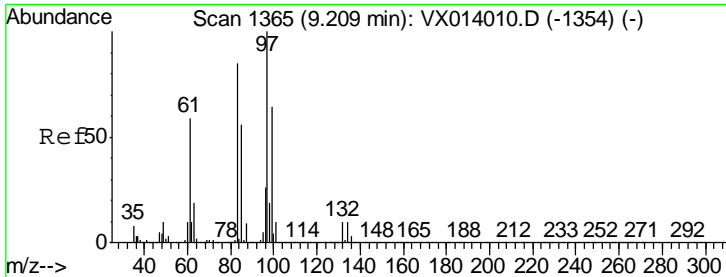
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#54
 cis-1,3-Dichloropropene
 Concen: 161.997 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	50.3	39.9	59.9





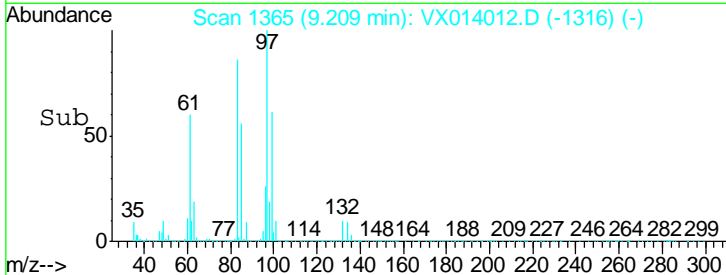
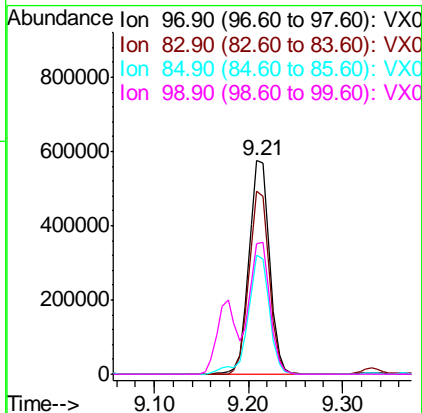
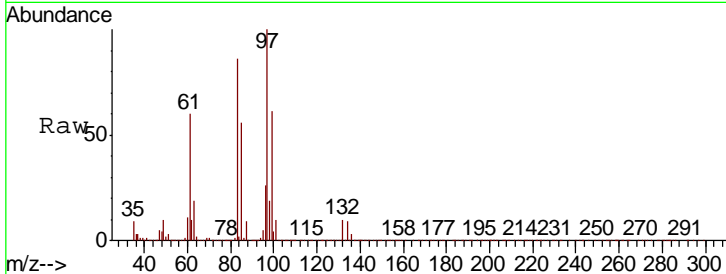
#55
 1,1,2-Trichloroethane
 Concen: 152.917 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
97	100		
83	85.6	68.2	102.4
85	55.5	44.6	66.8
99	61.2	51.4	77.0

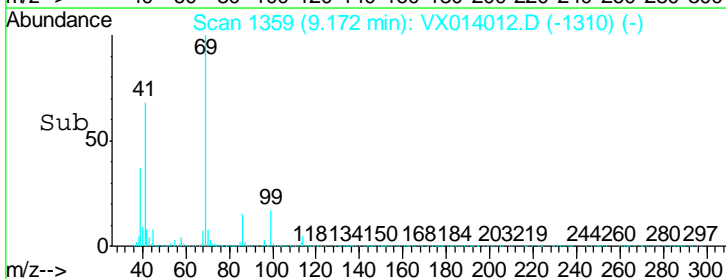
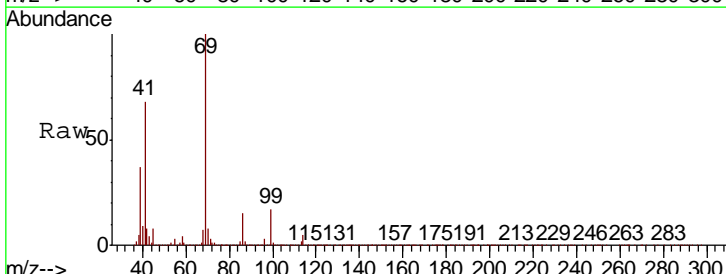
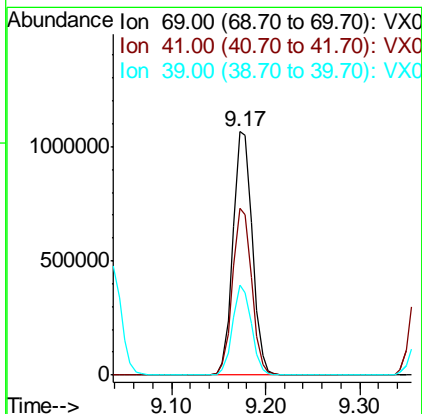
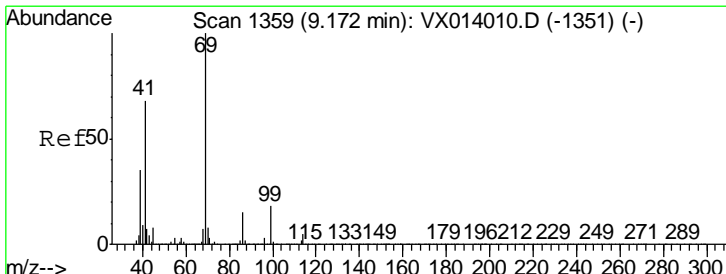
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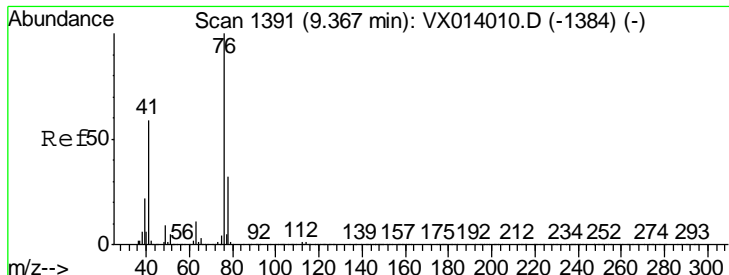
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#56
 Ethyl methacrylate
 Concen: 162.809 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
69	100		
41	67.7	54.8	82.2
39	35.7	28.3	42.5





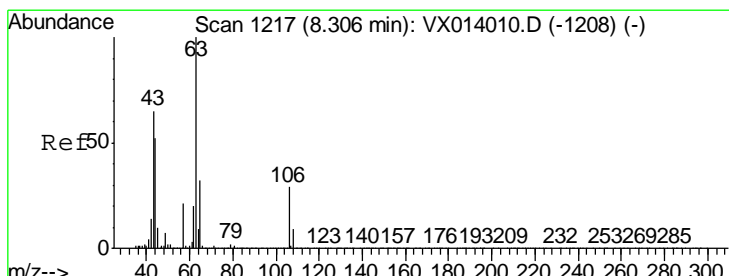
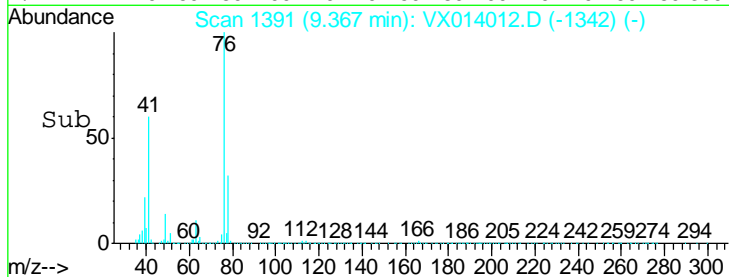
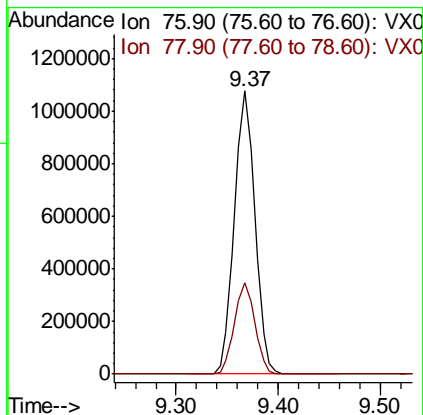
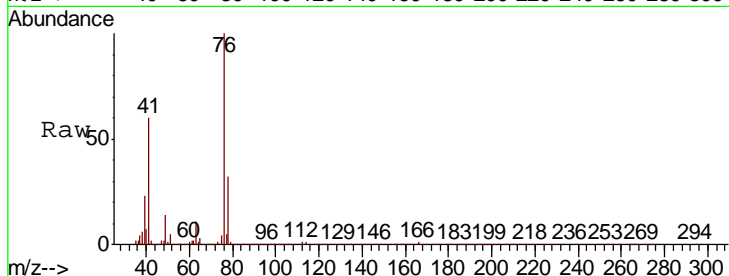
#57
 1,3-Dichloropropane
 Concen: 149.395 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	1493883		
76	100		
78	32.4	25.8	38.6

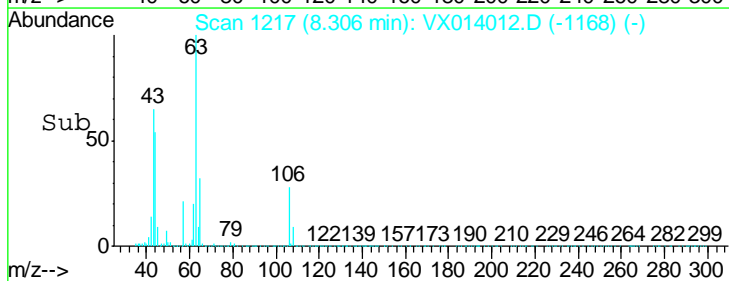
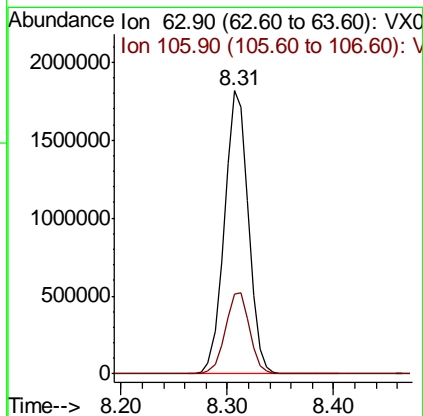
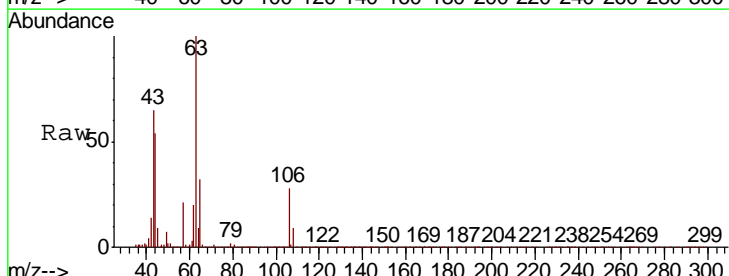
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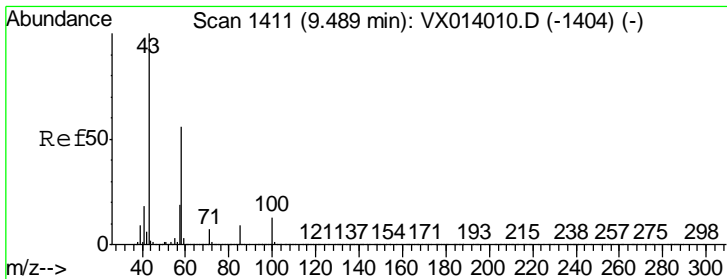
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#58
 2-Chloroethyl Vinyl ether
 Concen: 780.770 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
63	2855998		
63	100		
106	29.1	23.0	34.6





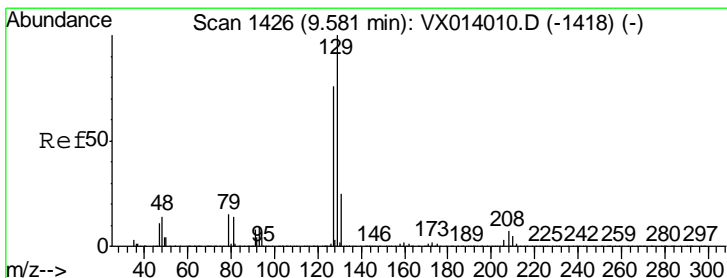
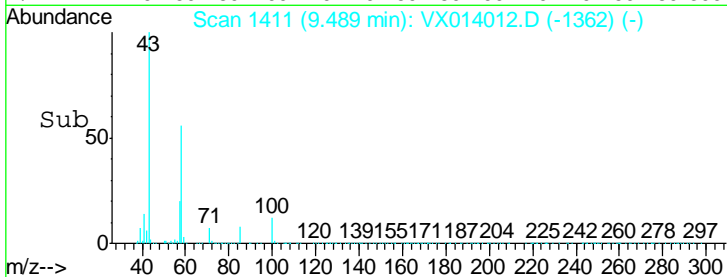
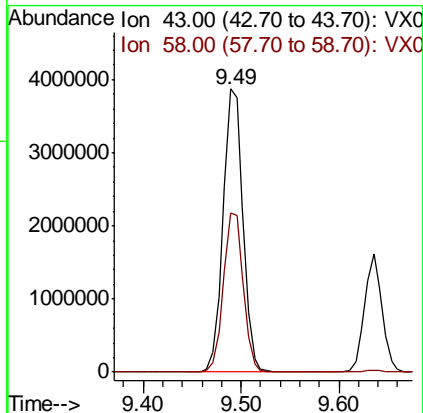
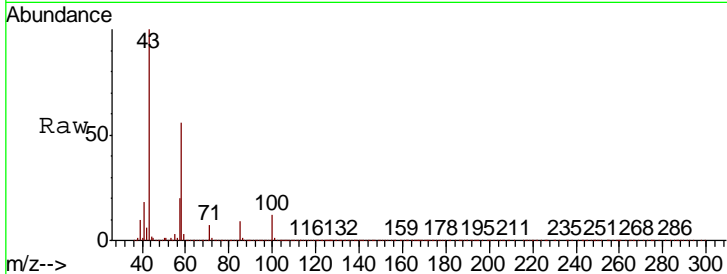
#59
 2-Hexanone
 Concen: 788.686 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.4	28.0	84.0

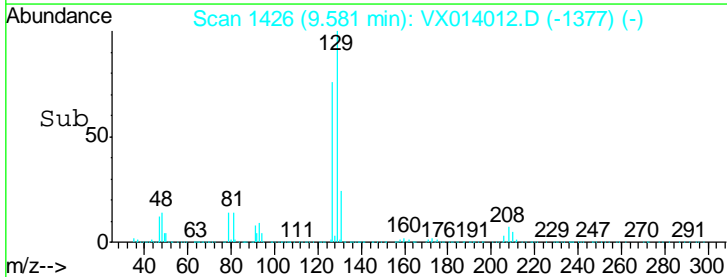
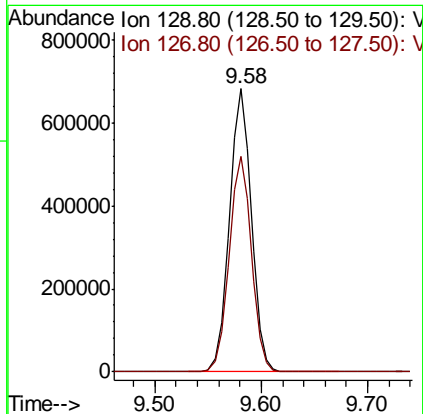
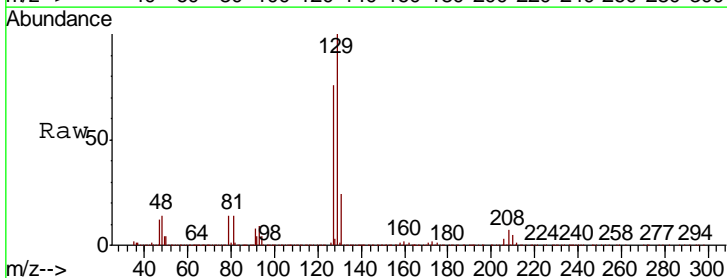
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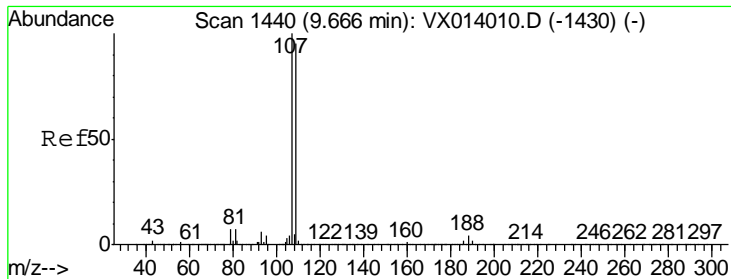
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#60
 Dibromochloromethane
 Concen: 164.651 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.0	38.4	115.2





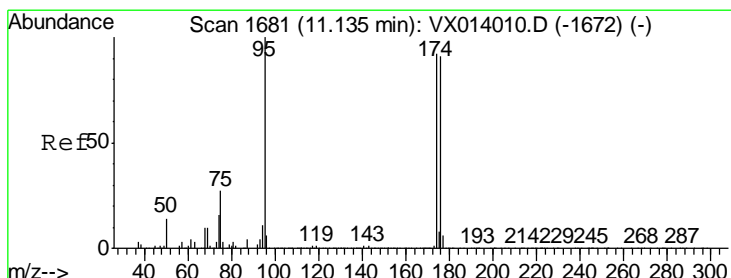
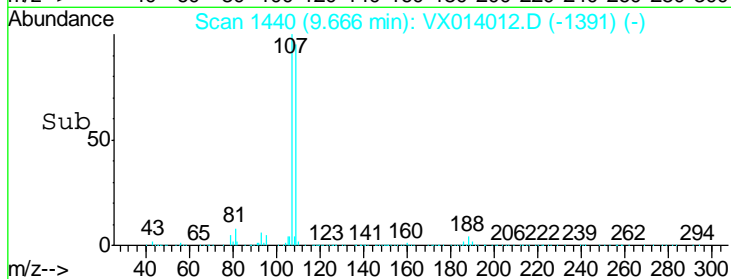
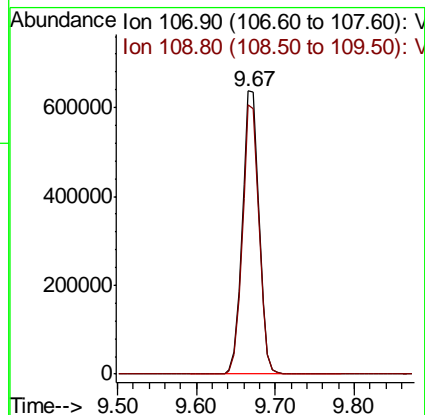
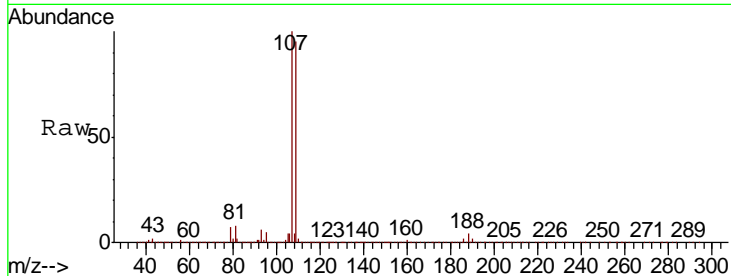
#61
 1,2-Dibromoethane
 Concen: 151.608 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.2	75.7	113.5

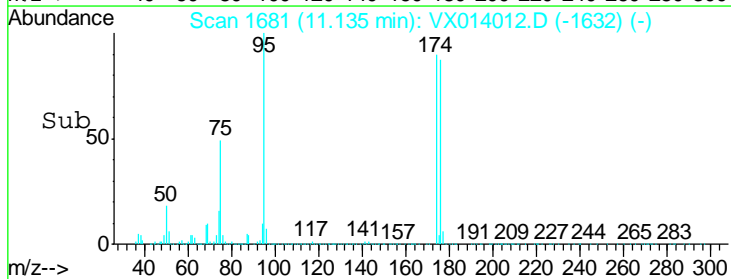
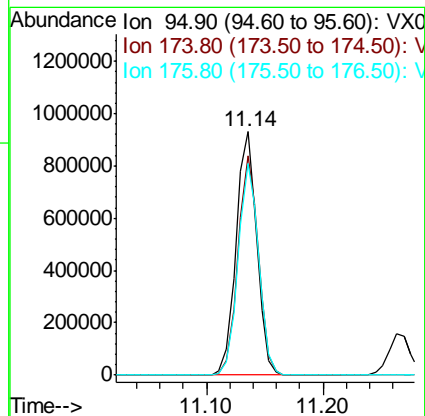
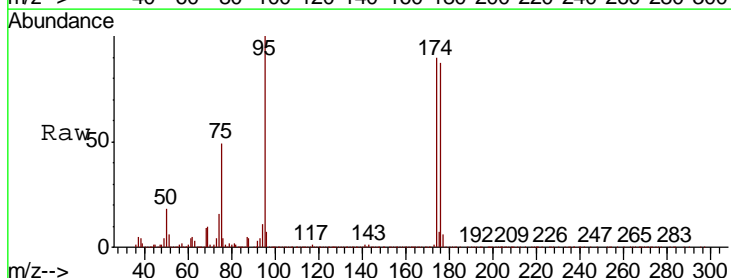
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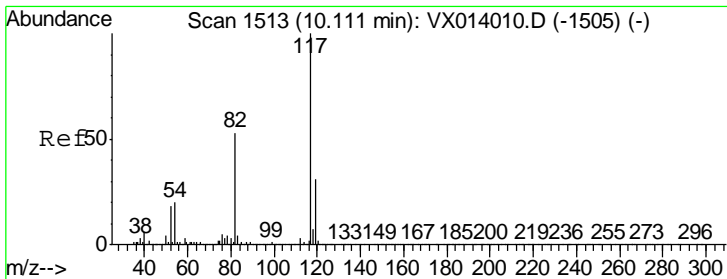
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#62
 4-Bromofluorobenzene
 Concen: 157.278 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
95	100		
174	89.2	0.0	175.8
176	86.6	0.0	173.0





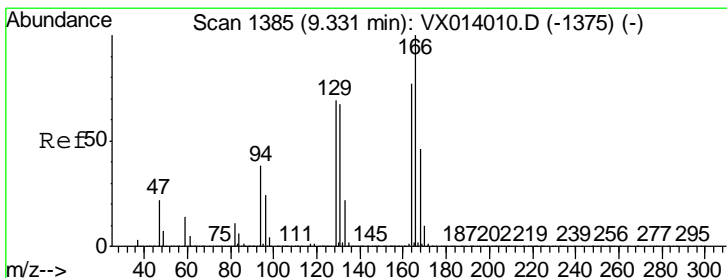
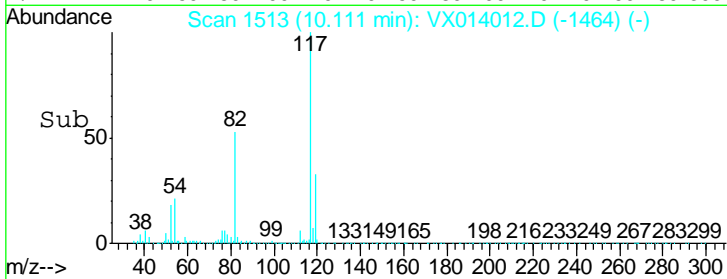
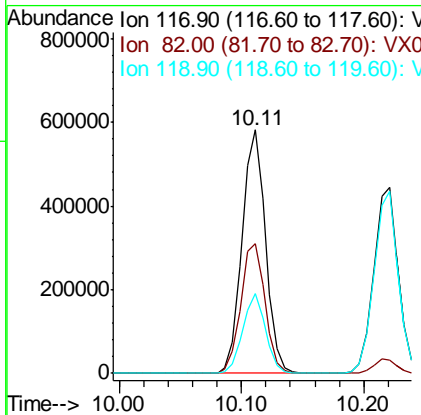
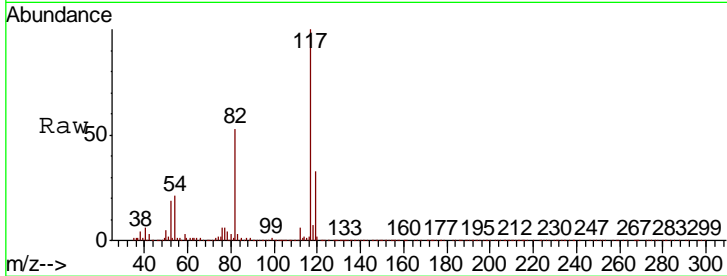
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	32.6	25.1	37.7

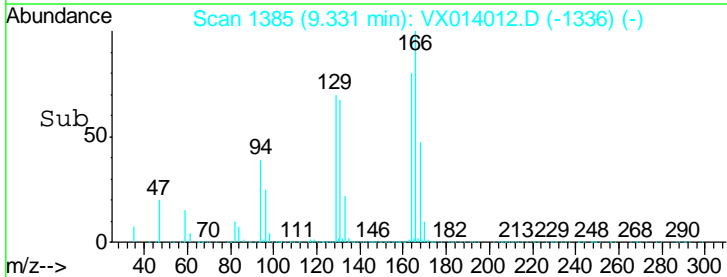
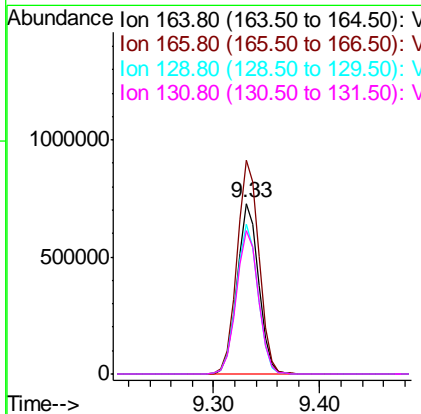
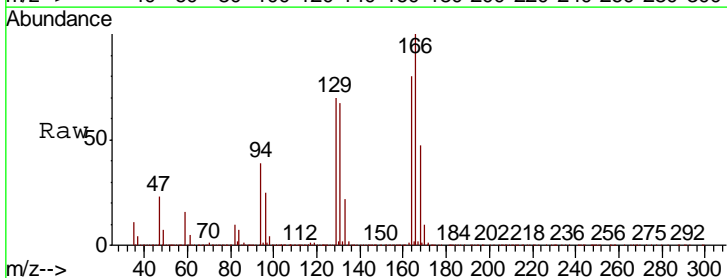
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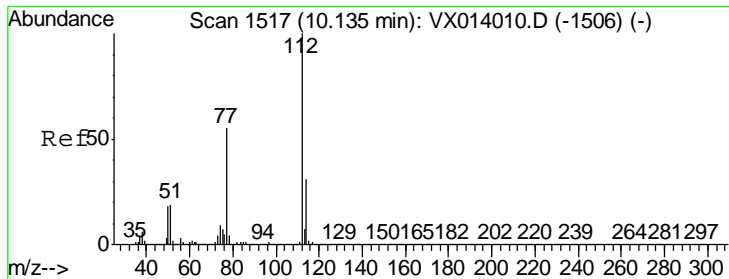
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#64
 Tetrachloroethene
 Concen: 174.689 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
164	100		
166	125.4	104.0	156.0
129	88.0	72.2	108.4
131	84.6	69.6	104.4





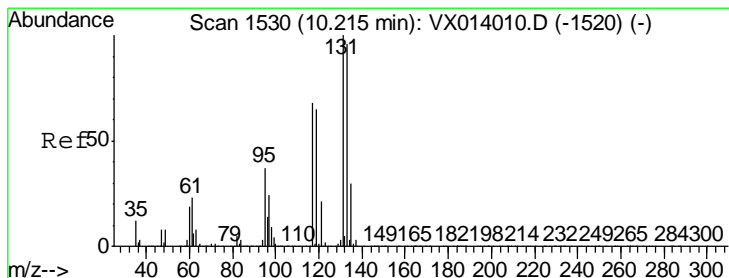
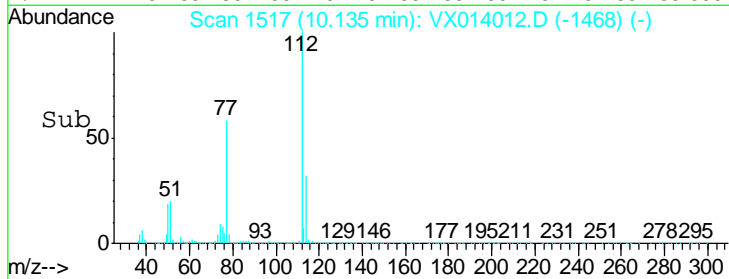
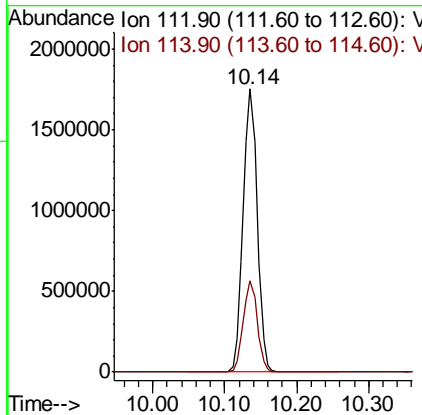
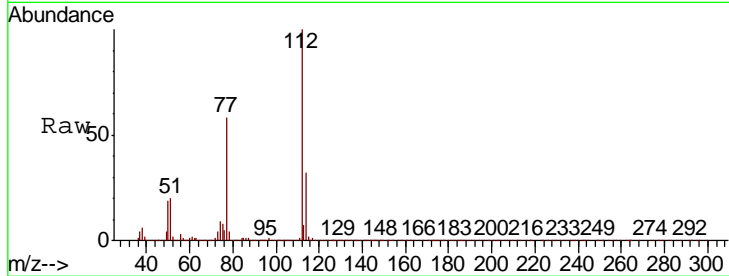
#65
 Chlorobenzene
 Concen: 147.659 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
112	100		
114	32.4	24.9	37.3

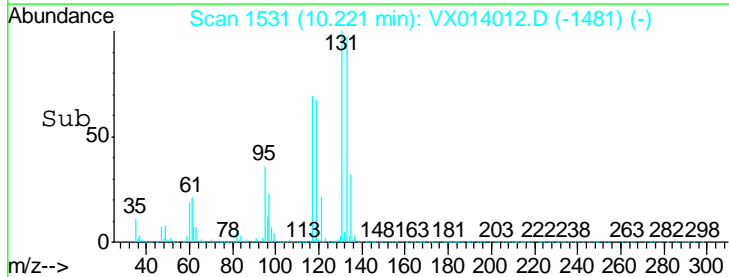
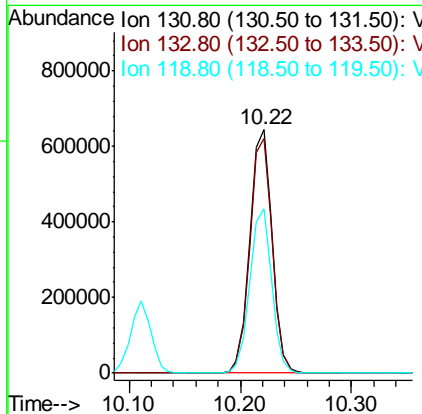
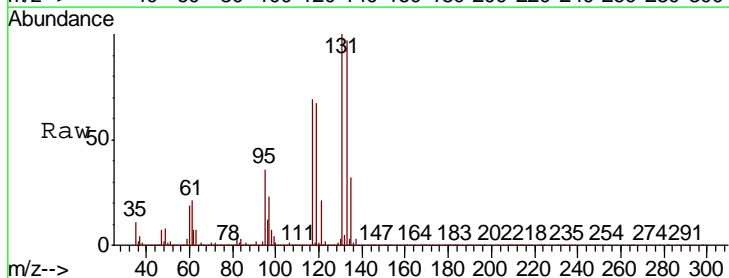
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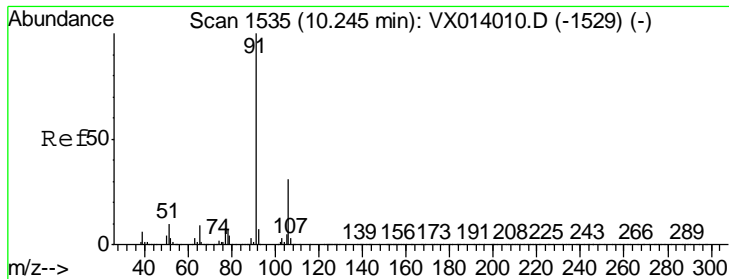
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 155.397 ug/l
 RT: 10.22 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
131	100		
133	96.4	48.0	144.0
119	66.7	33.4	100.2





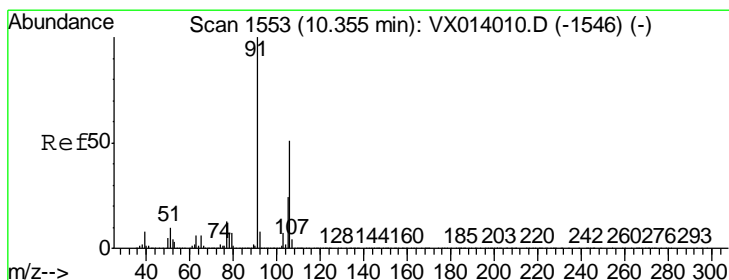
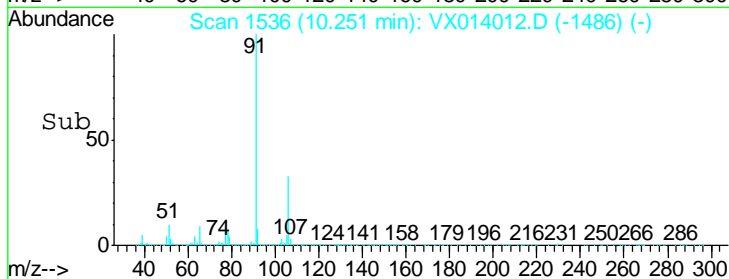
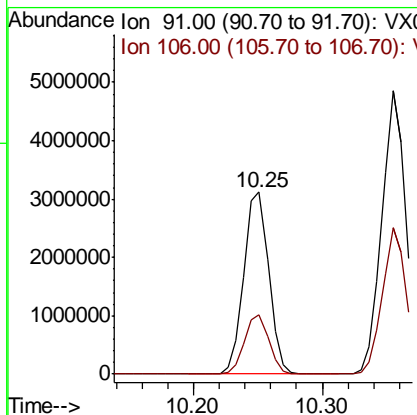
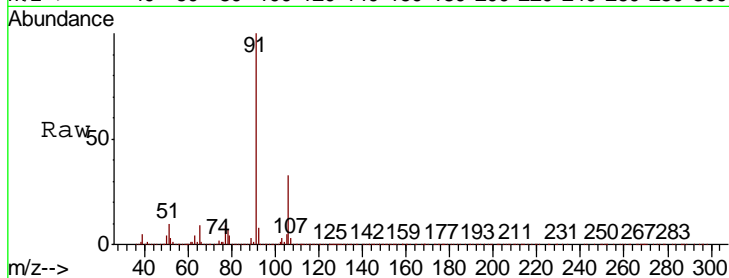
#67
 Ethyl Benzene
 Concen: 150.188 ug/l
 RT: 10.25 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion: 91 Resp: 4147366
 Ion Ratio Lower Upper
 91 100
 106 32.8 25.0 37.6

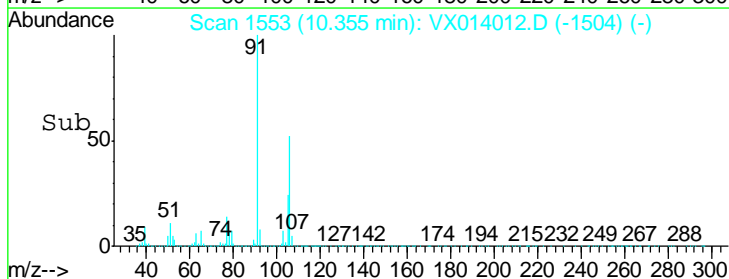
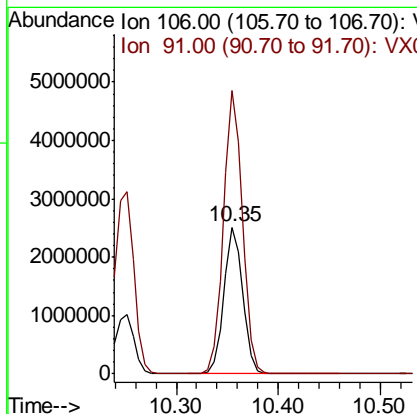
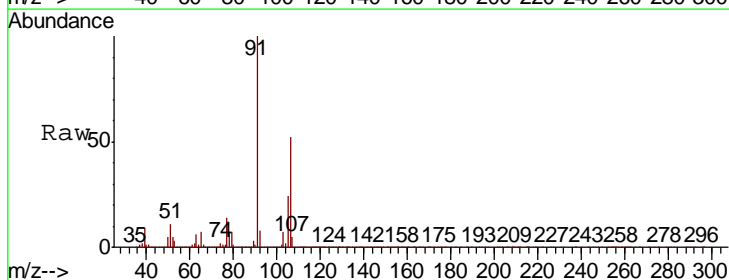
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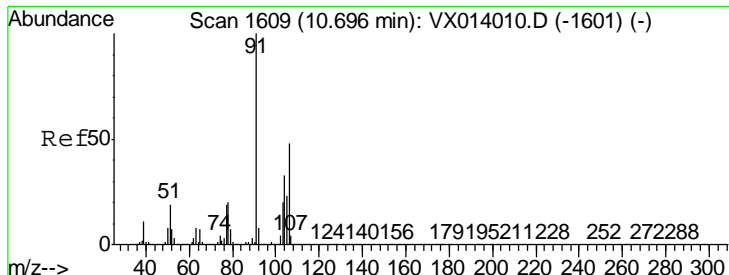
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#68
 m/p-Xylenes
 Concen: 303.636 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion: 106 Resp: 3214539
 Ion Ratio Lower Upper
 106 100
 91 195.0 158.6 238.0





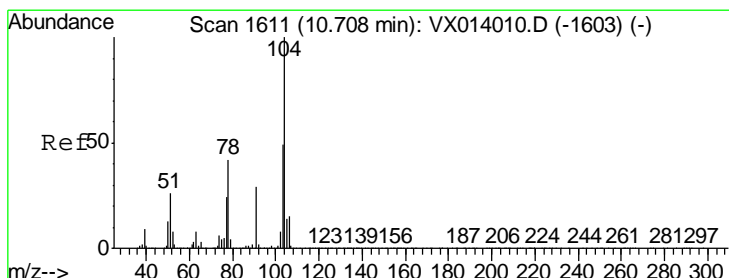
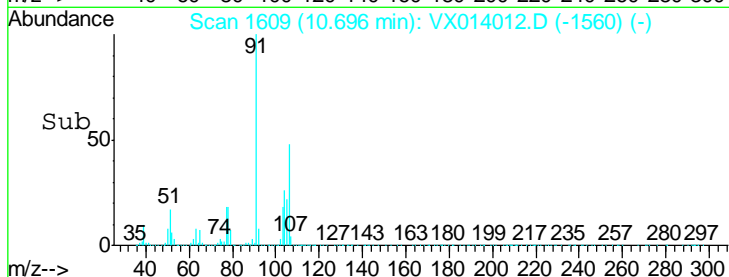
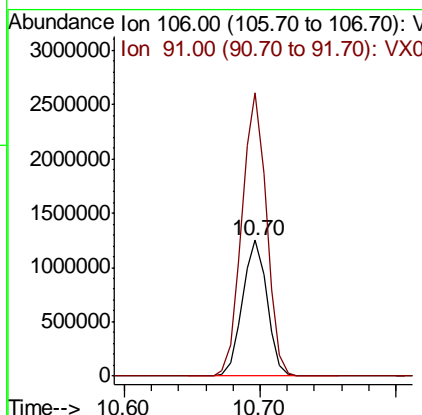
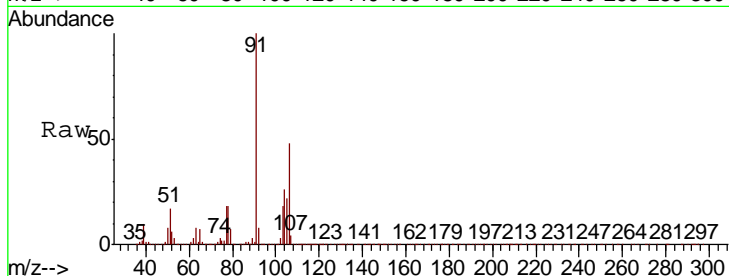
#69
 o-Xylene
 Concen: 153.308 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
106	1582818		
106	100		
91	208.0	104.2	312.6

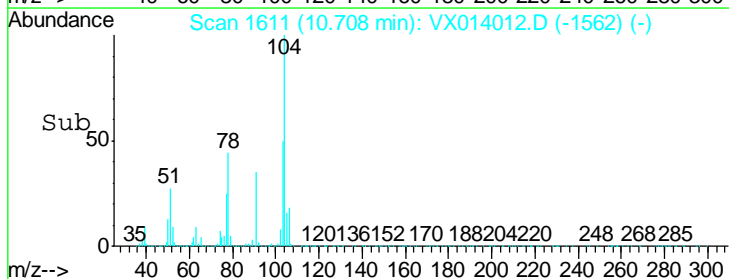
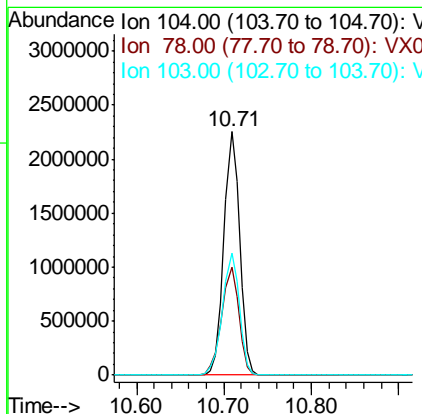
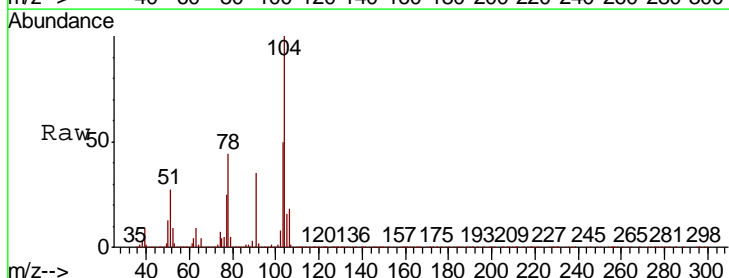
Manual Integrations
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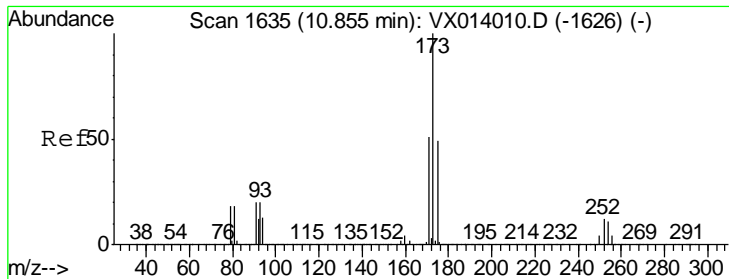
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#70
 Styrene
 Concen: 160.964 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
104	2803610		
104	100		
78	48.4	38.5	57.7
103	53.9	42.9	64.3





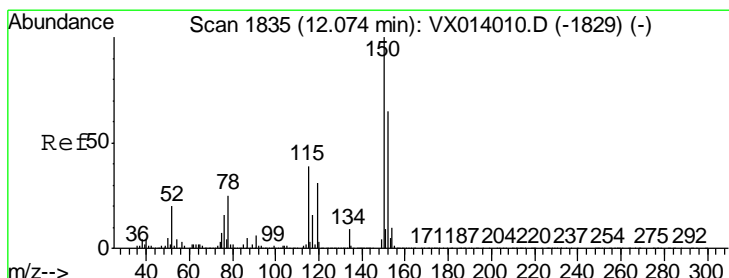
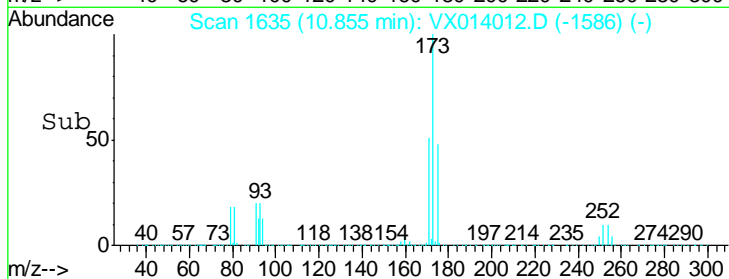
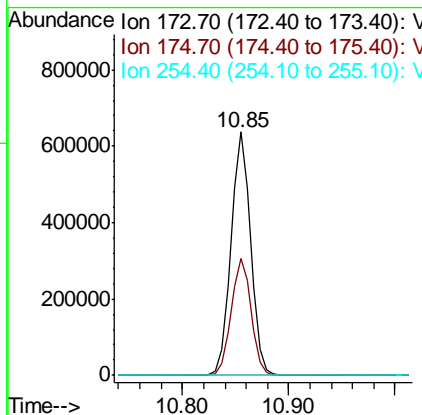
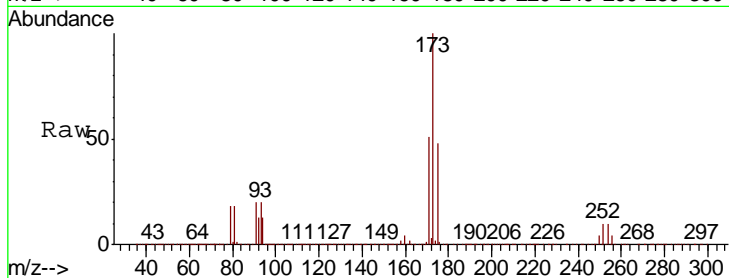
#71
 Bromoform
 Concen: 173.364 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.2	0.2	0.2

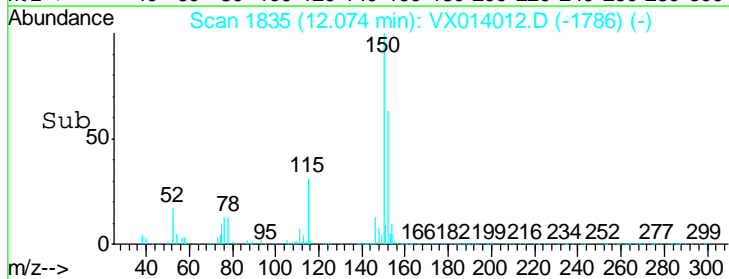
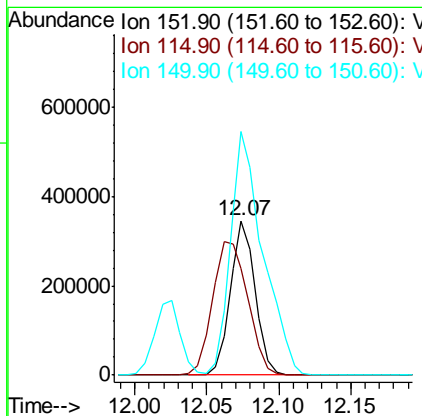
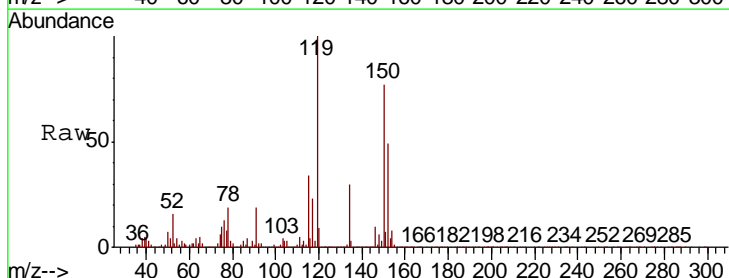
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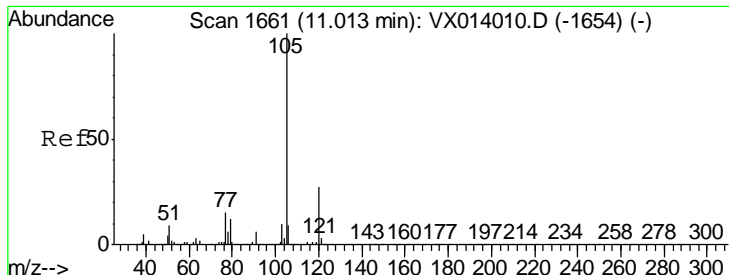
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
152	100		
115	122.1	38.3	114.9
150	206.3	0.0	345.4





#73
 Isopropylbenzene
 Concen: 140.283 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

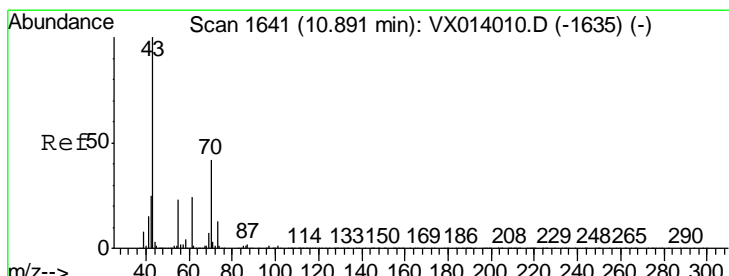
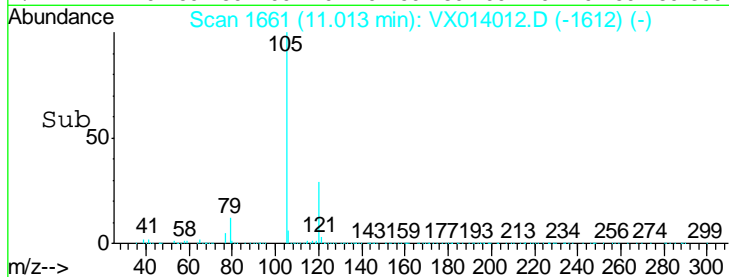
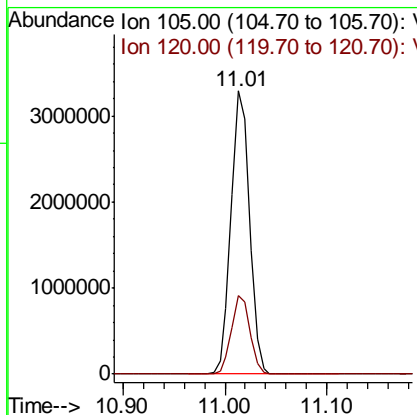
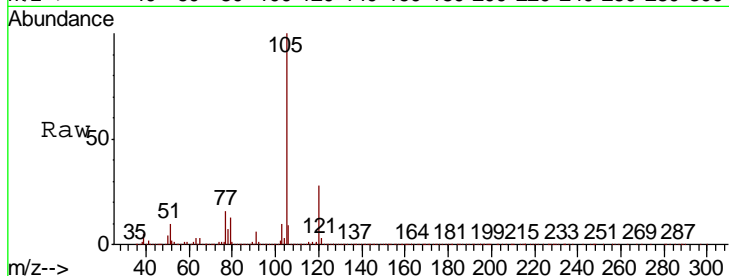
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDIC150

Tgt Ion: 105 Resp: 4102514

Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.4

Manual Integrations
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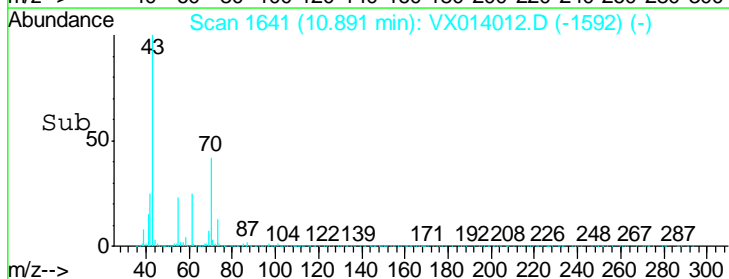
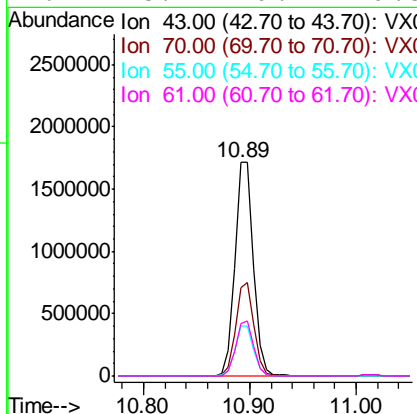
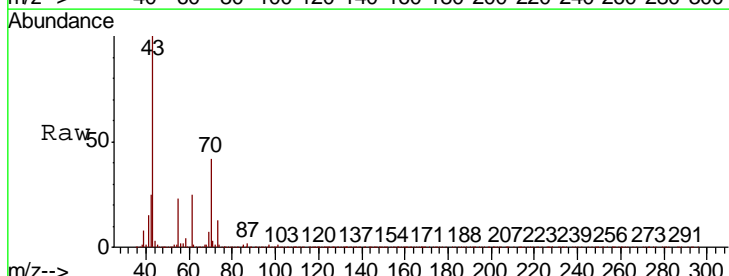
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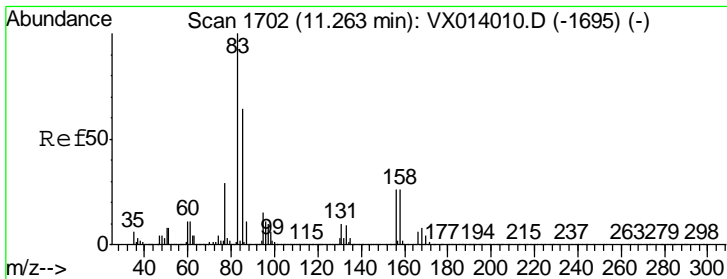


#74
 N-ethyl acetate
 Concen: 155.946 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion: 43 Resp: 2089155

Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.4	51.6
55	23.3	19.1	28.7
61	25.1	19.7	29.5





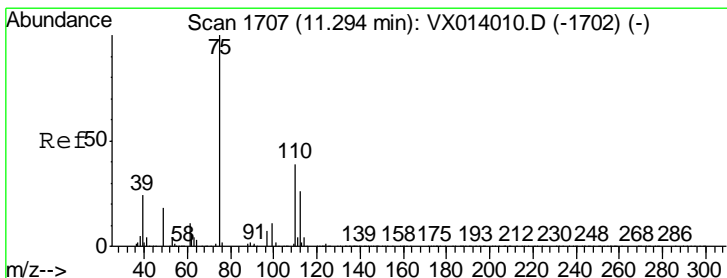
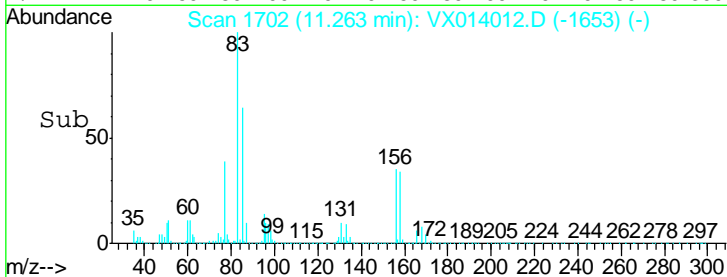
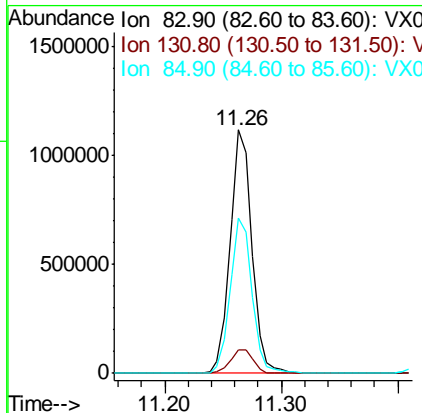
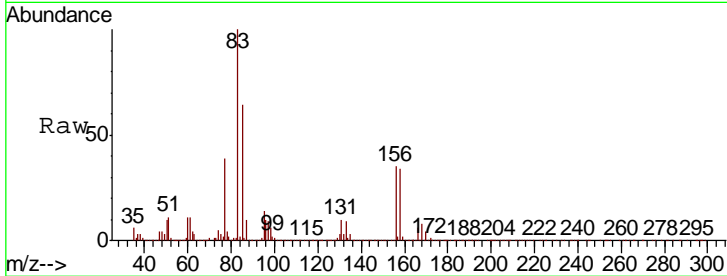
#75
 1,1,2,2-Tetrachloroethane
 Concen: 143.318 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	1451158		
83	100		
131	10.1	5.1	15.2
85	64.3	31.9	95.7

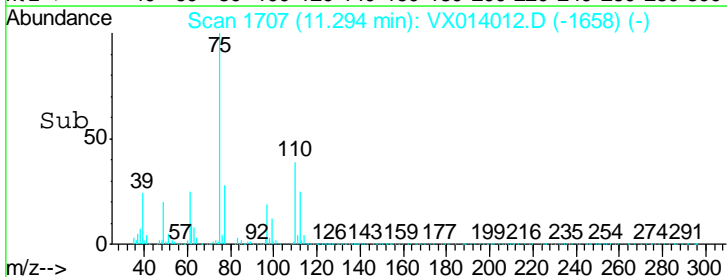
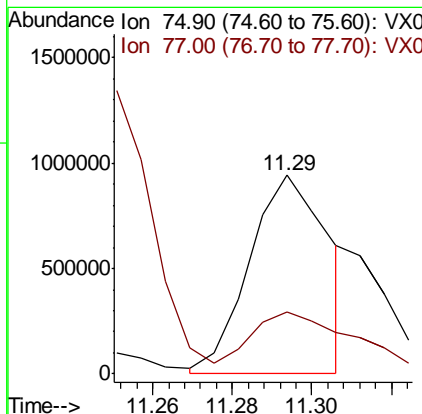
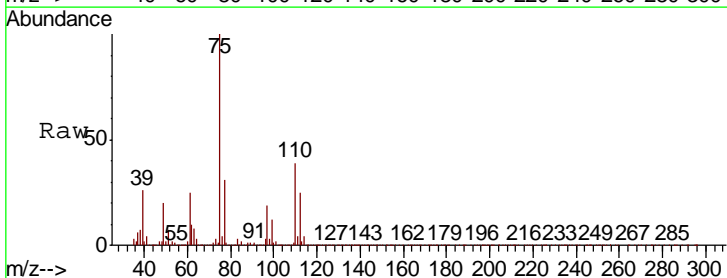
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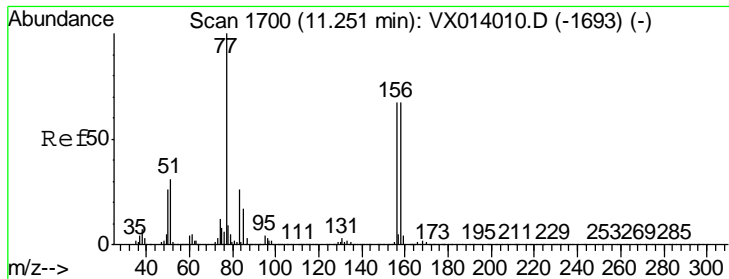
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#76
 1,2,3-Trichloropropane
 Concen: 138.876 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
75	1295022		
75	100		
77	41.6	19.3	57.8





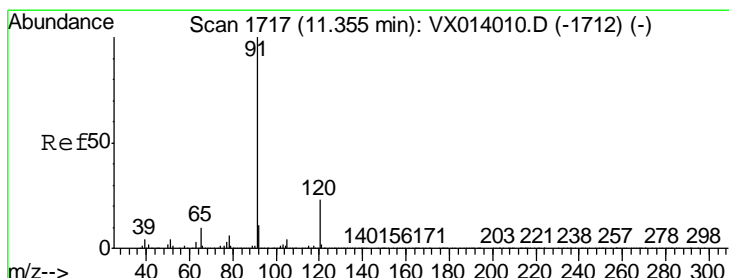
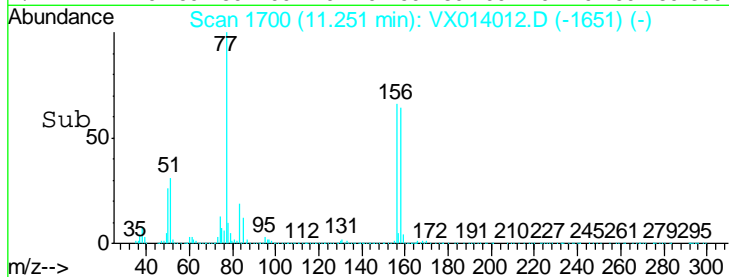
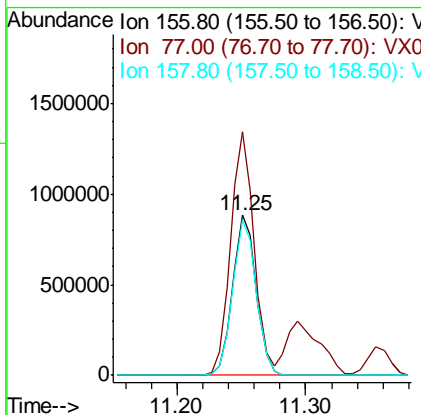
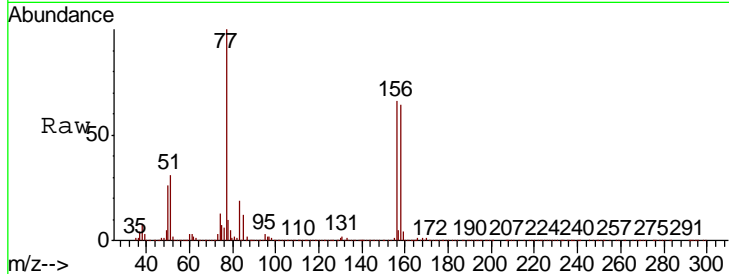
#77
 Bromobenzene
 Concen: 143.259 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
156	1129271		
77	151.0	76.5	229.5
158	96.9	49.3	147.9

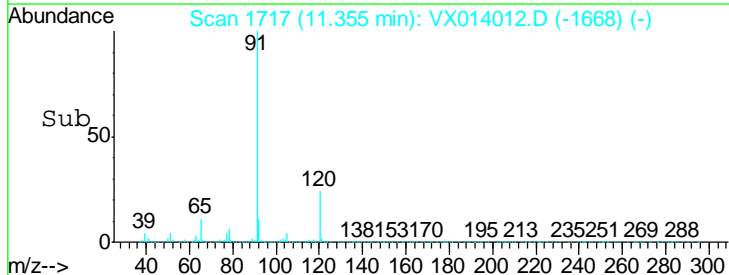
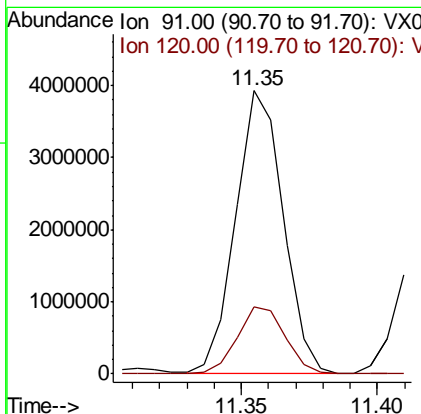
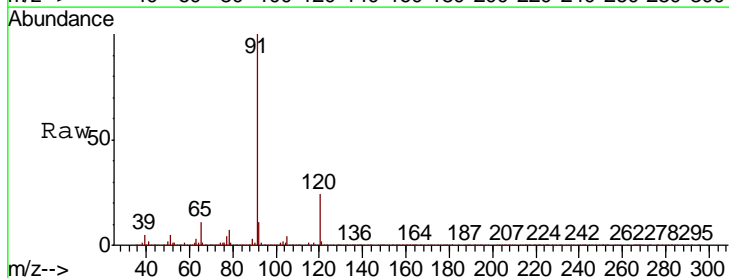
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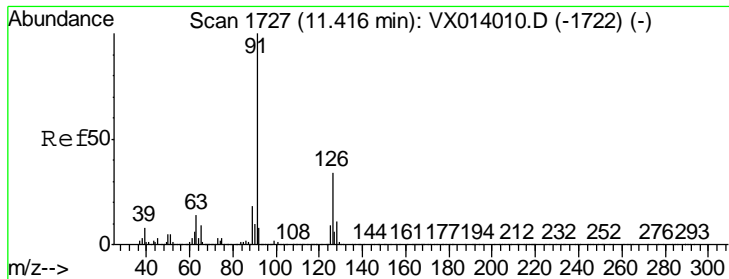
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#78
 n-propylbenzene
 Concen: 144.921 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
91	4739102		
120	24.1	11.7	35.0





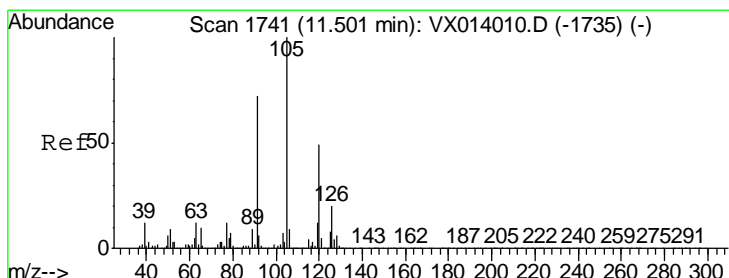
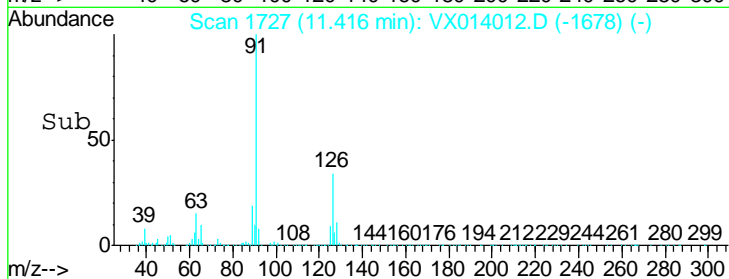
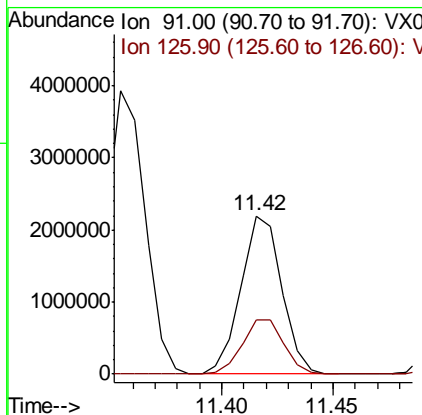
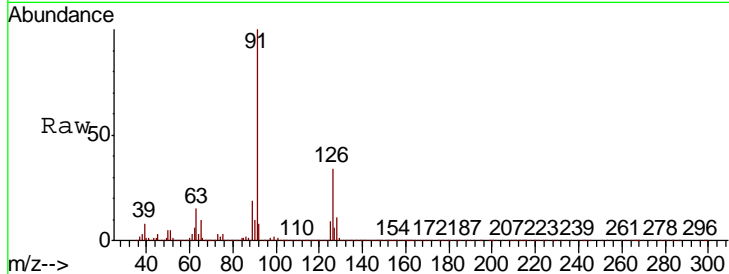
#79
 2-Chlorotoluene
 Concen: 143.160 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.2	17.2	51.6

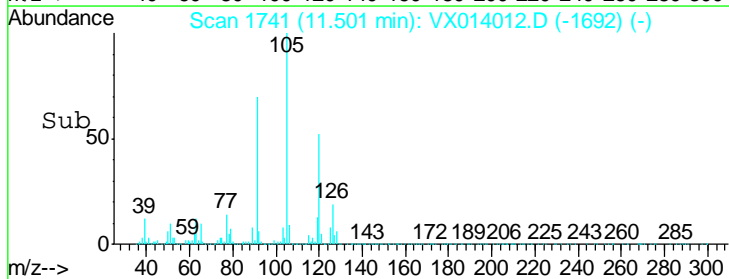
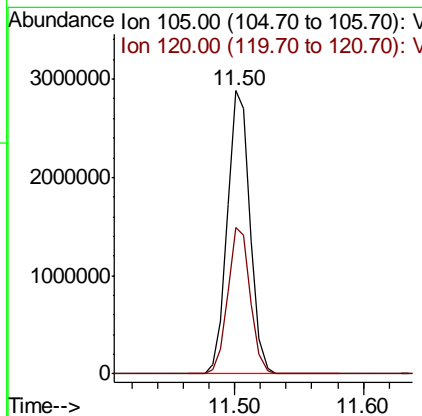
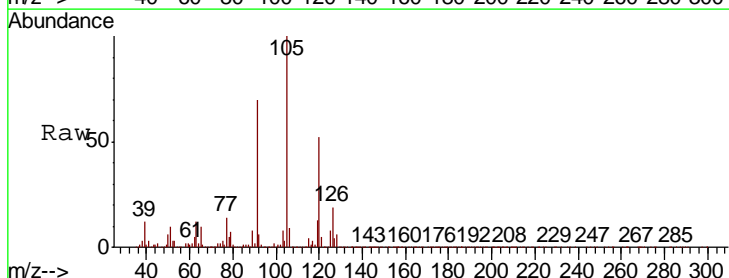
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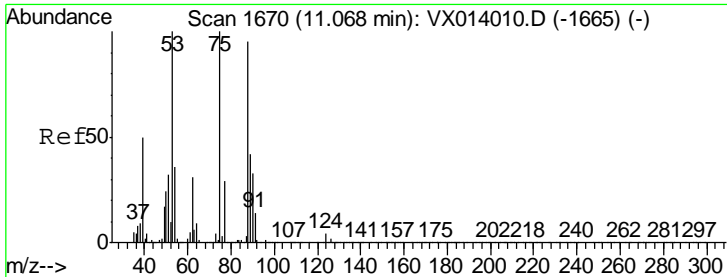
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#80
 1,3,5-Trimethylbenzene
 Concen: 147.911 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
105	100		
120	51.2	25.3	75.8





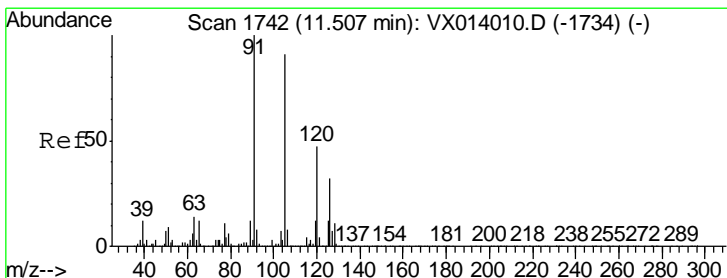
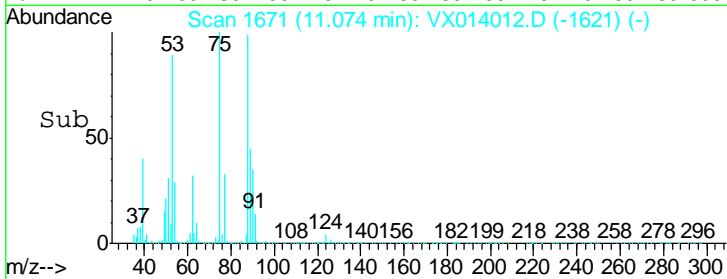
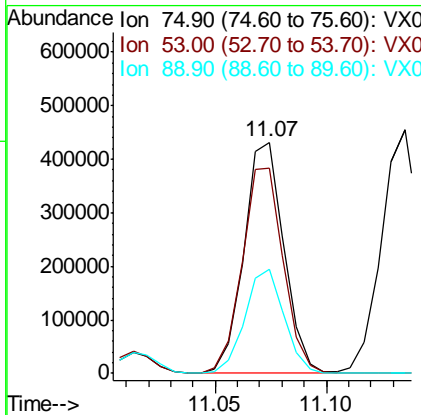
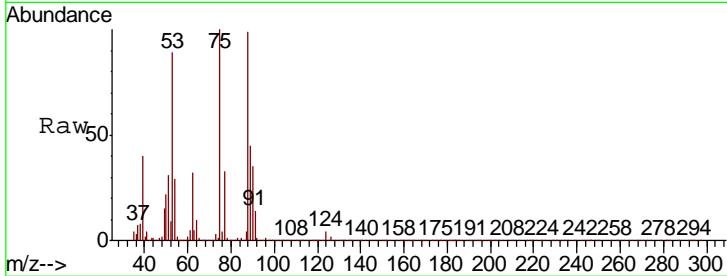
#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.238 ug/l
 RT: 11.07 min Scan# 1671
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	538282		
75	100		
53	91.8	76.7	115.1
89	44.8	34.6	51.8

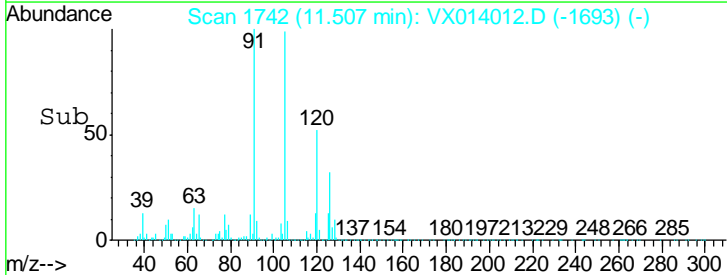
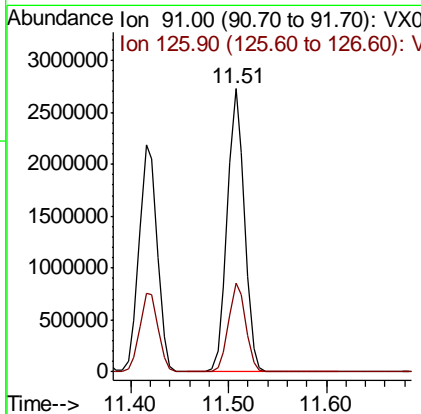
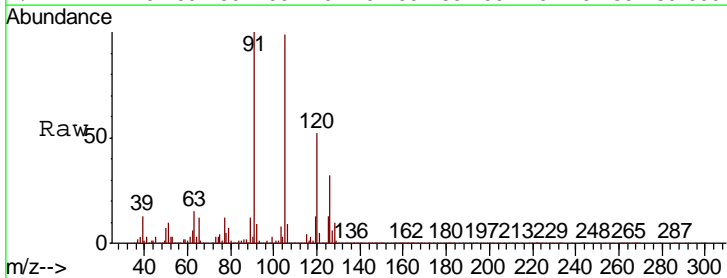
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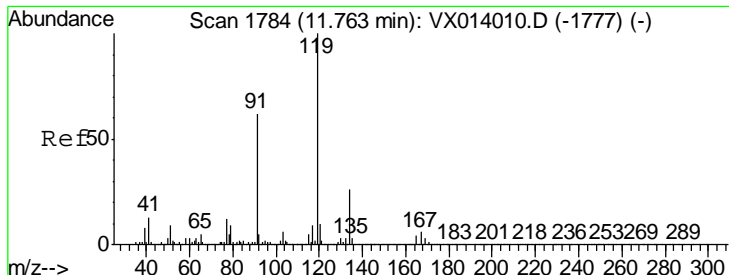
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#82
 4-Chlorotoluene
 Concen: 146.773 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
91	3334083		
91	100		
126	31.3	15.6	46.8





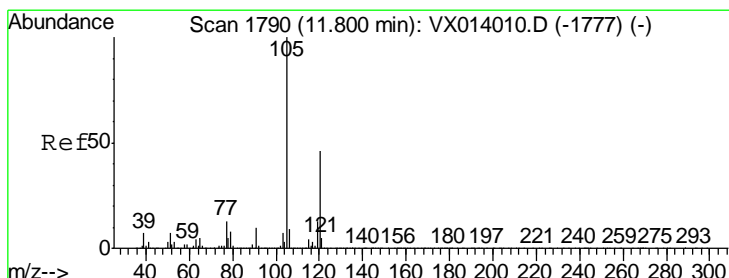
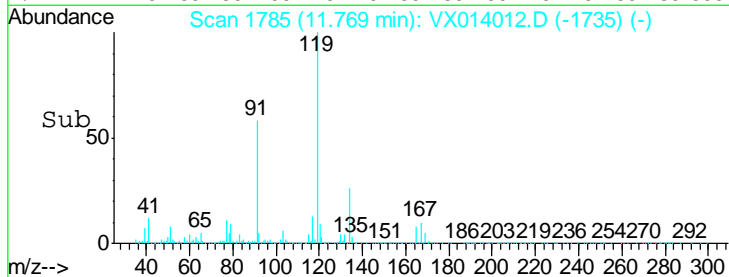
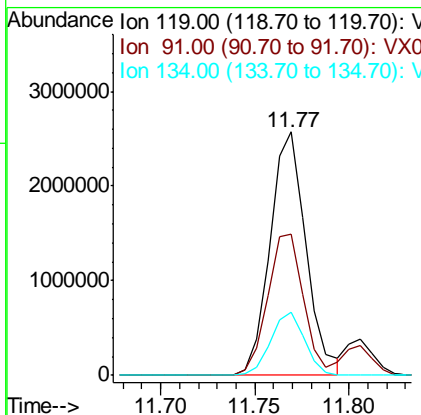
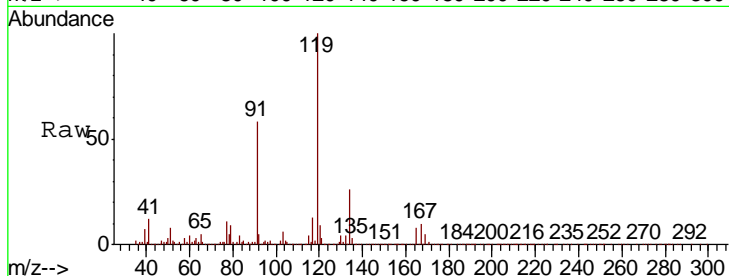
#83
 tert-Butylbenzene
 Concen: 140.591 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
119	3404783		
91	57.4	28.5	85.6
134	24.6	12.2	36.6

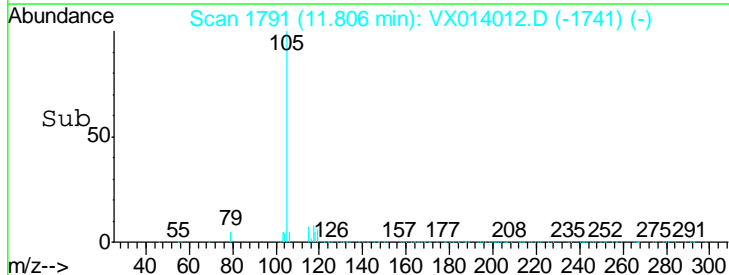
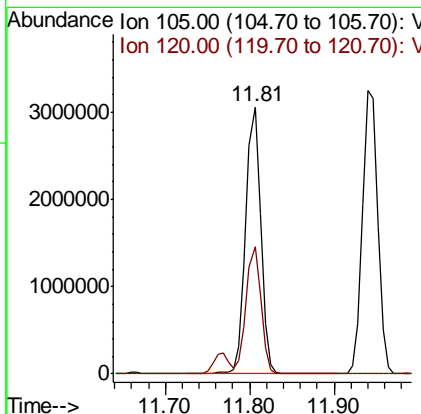
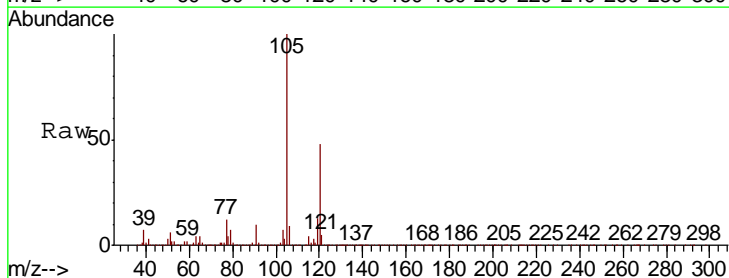
Manual Integrations
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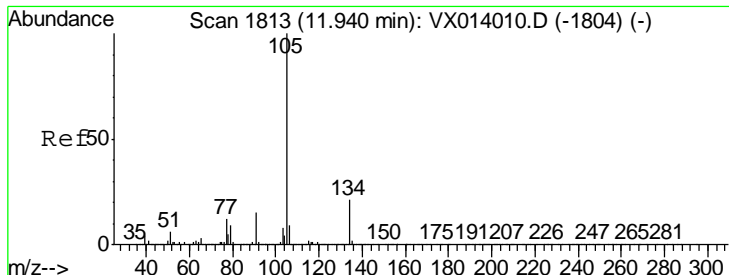
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#84
 1,2,4-Trimethylbenzene
 Concen: 148.658 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
105	3624117		
120	46.8	23.1	69.2





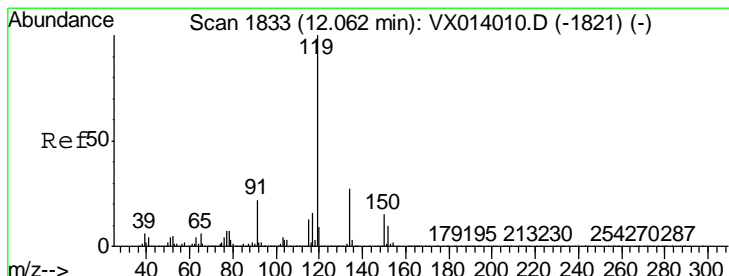
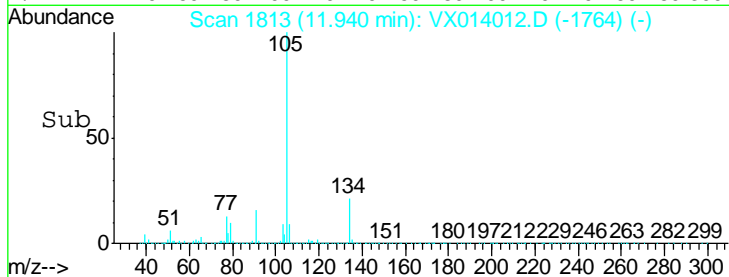
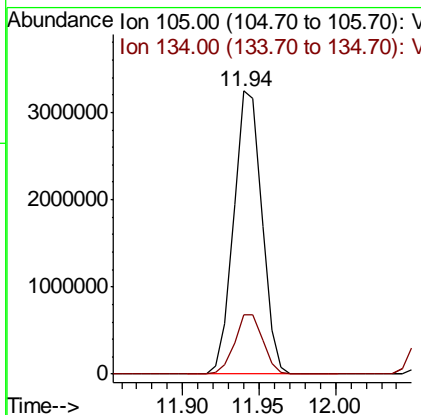
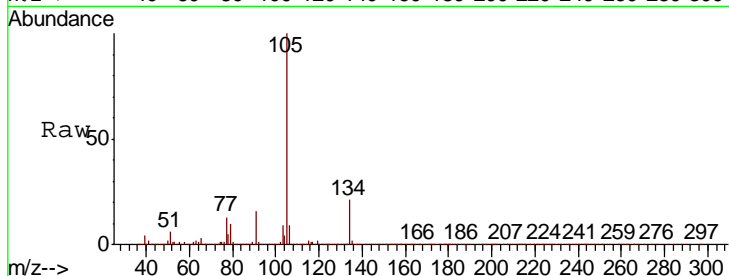
#85
 sec-Butylbenzene
 Concen: 148.653 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	4142990		
105	100		
134	21.2	10.4	31.1

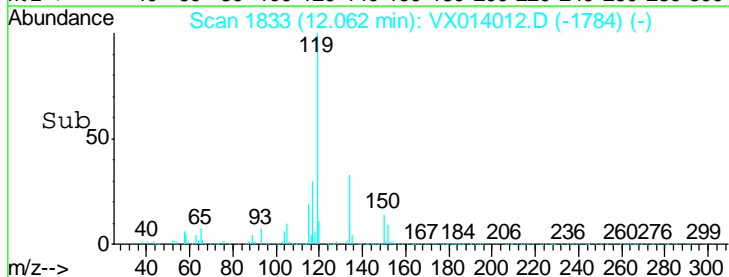
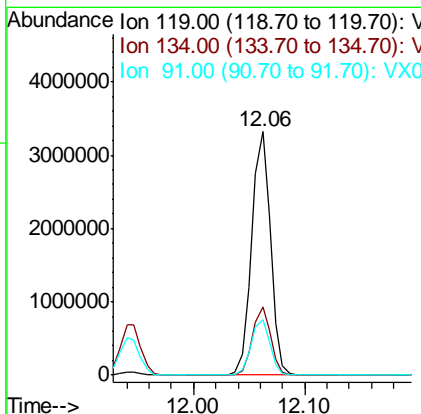
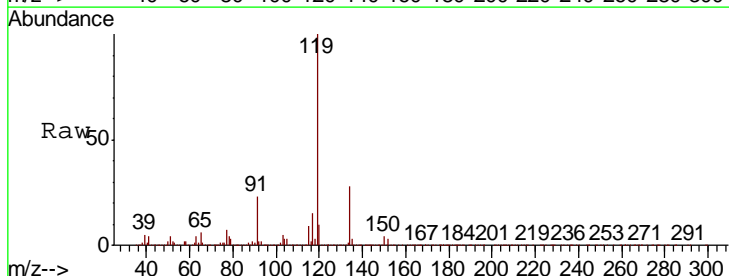
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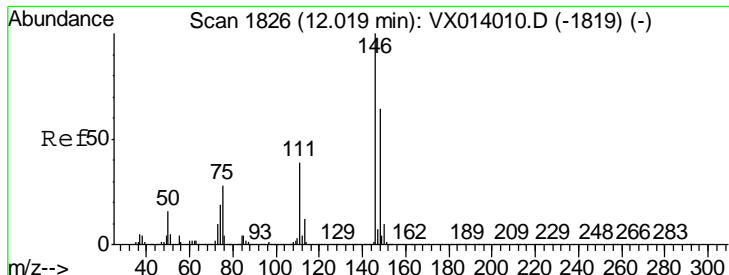
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#86
 p-Isopropyltoluene
 Concen: 150.616 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
119	3899255		
119	100		
134	27.1	13.4	40.1
91	22.6	11.4	34.1





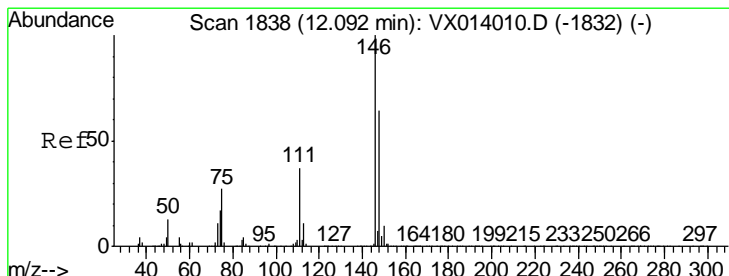
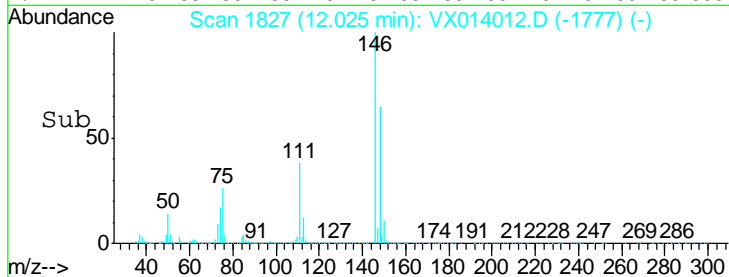
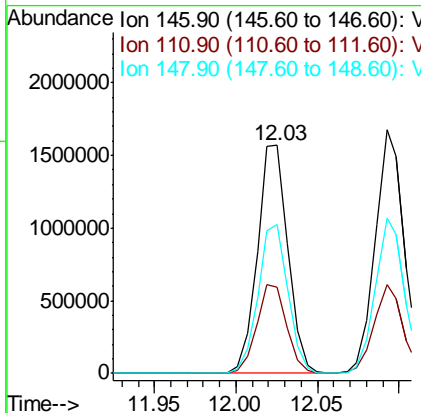
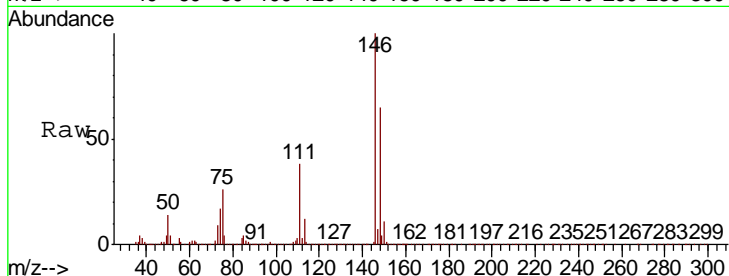
#87
 1,3-Dichlorobenzene
 Concen: 147.854 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICC150

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	63.9	32.3	96.9

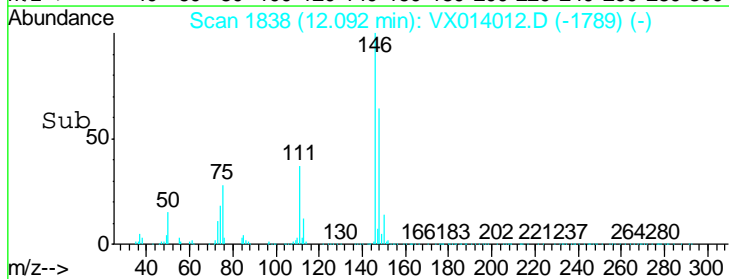
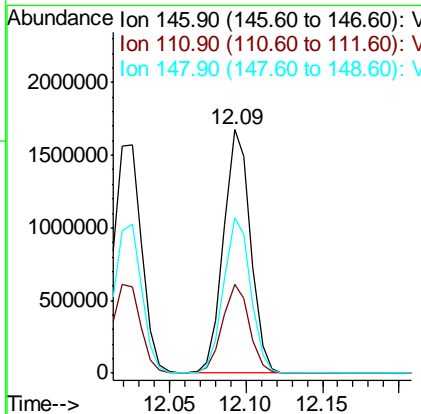
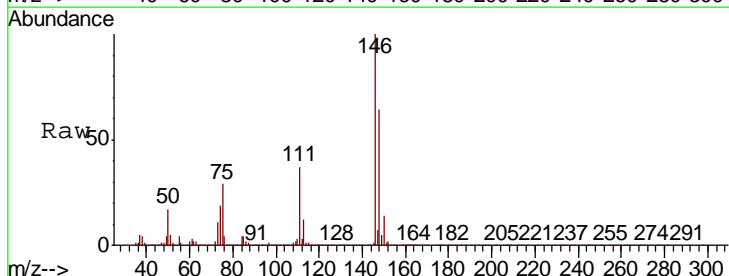
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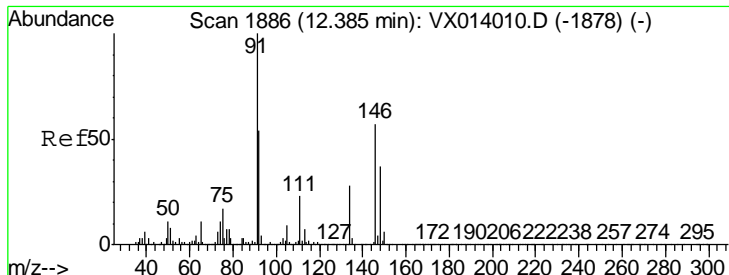
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#88
 1,4-Dichlorobenzene
 Concen: 145.492 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	64.1	31.9	95.9





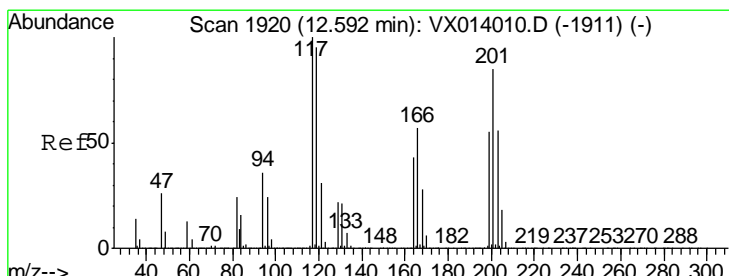
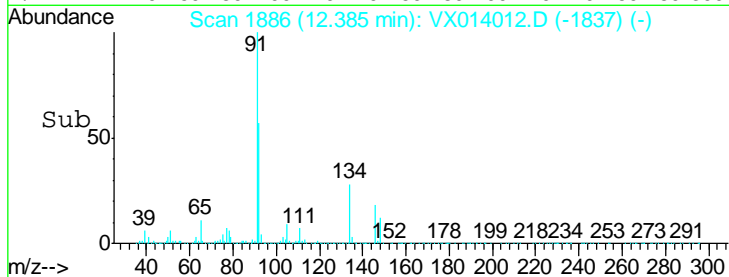
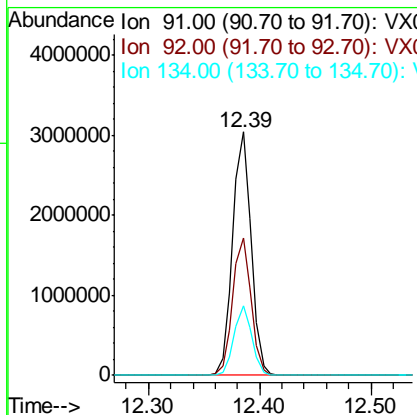
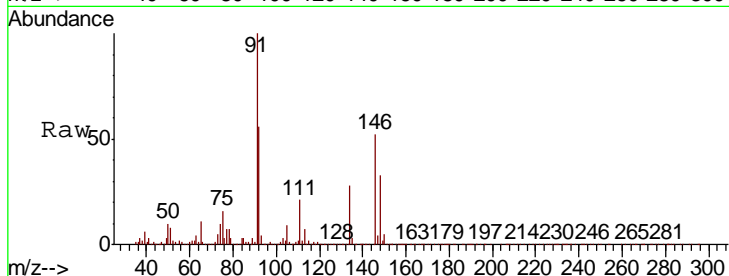
#89
 n-Butylbenzene
 Concen: 157.477 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
92	56.1	27.2	81.6
134	27.6	13.4	40.1

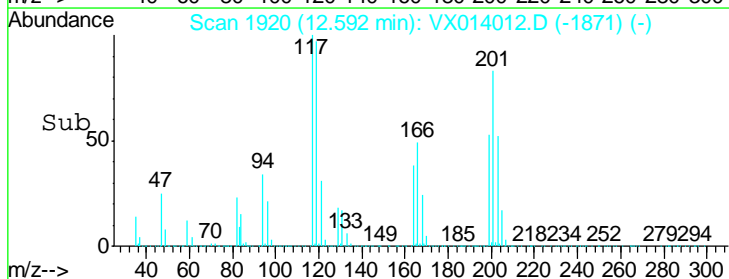
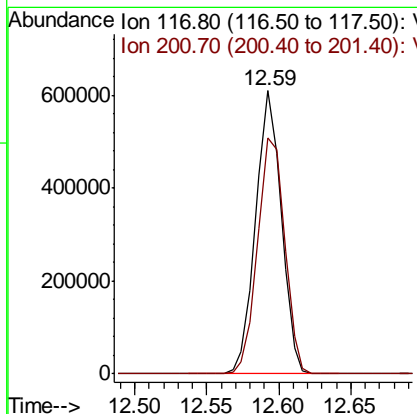
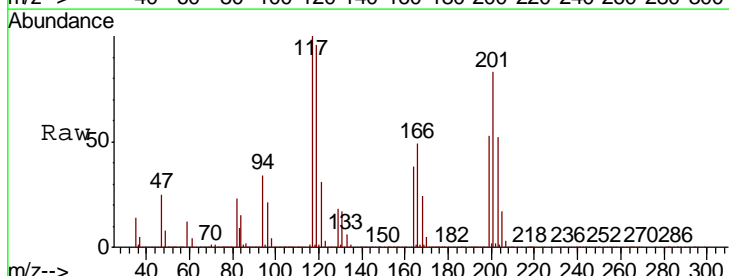
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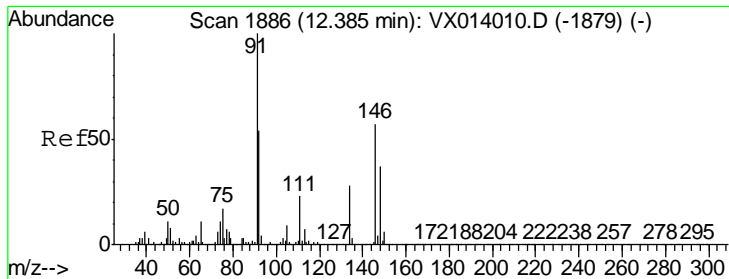
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#90
 Hexachloroethane
 Concen: 159.139 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
117	100		
201	88.2	43.1	129.3





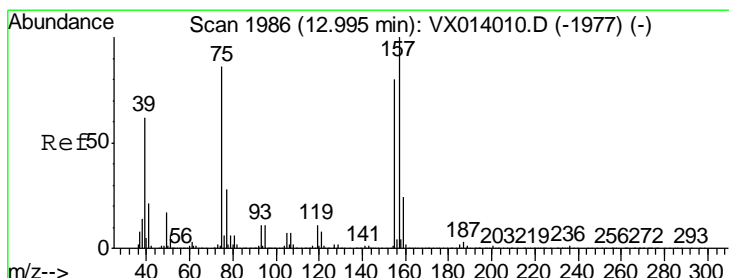
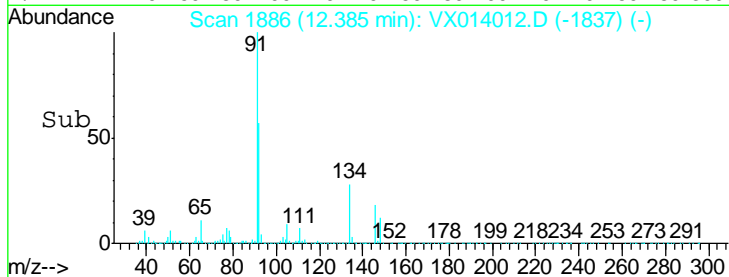
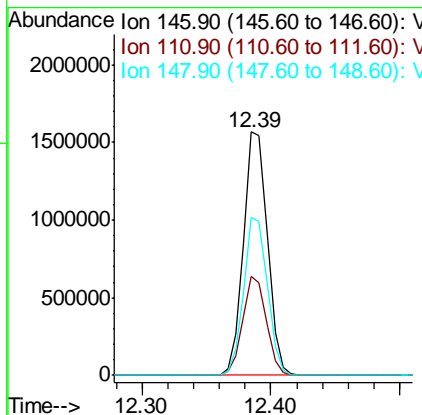
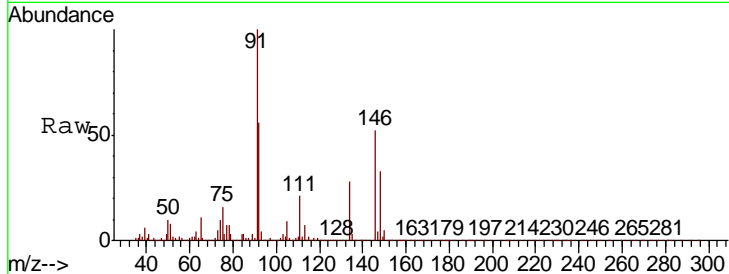
#91
 1,2-Dichlorobenzene
 Concen: 147.110 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	64.2	32.1	96.5

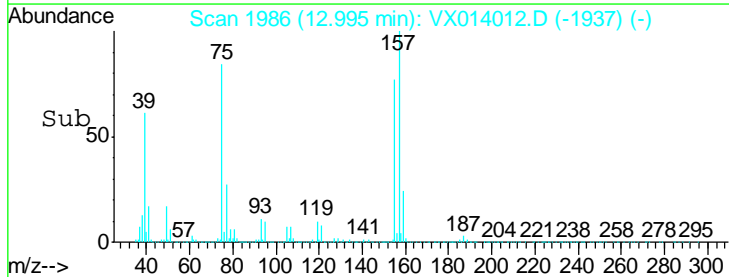
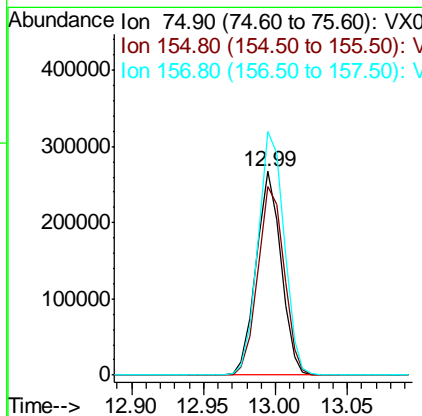
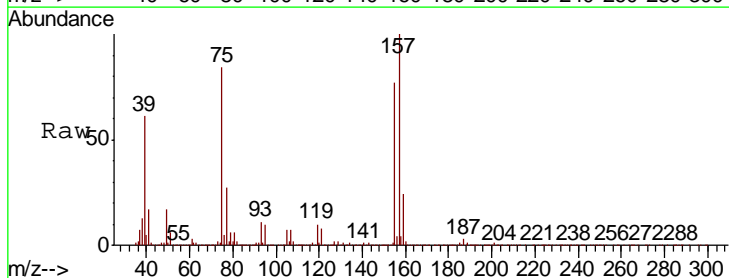
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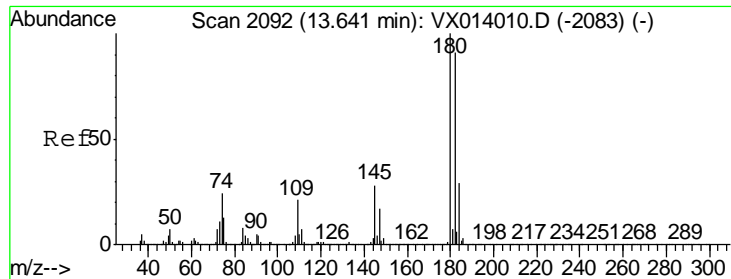
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 144.923 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
75	100		
155	97.7	46.9	140.6
157	126.3	60.8	182.4





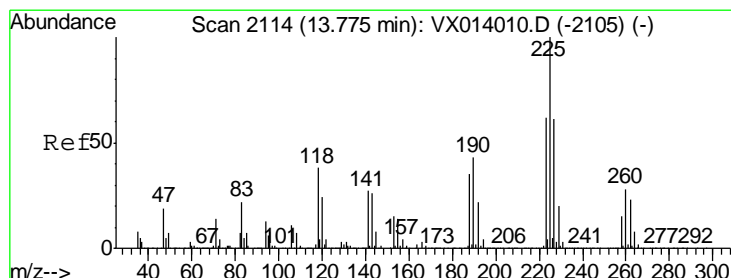
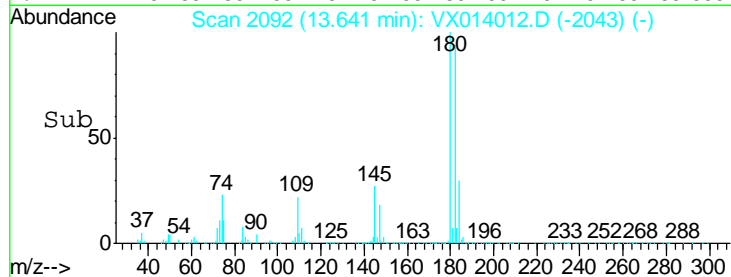
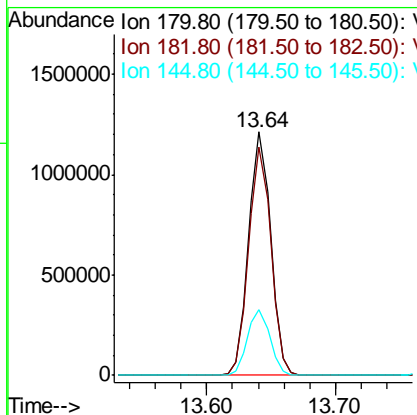
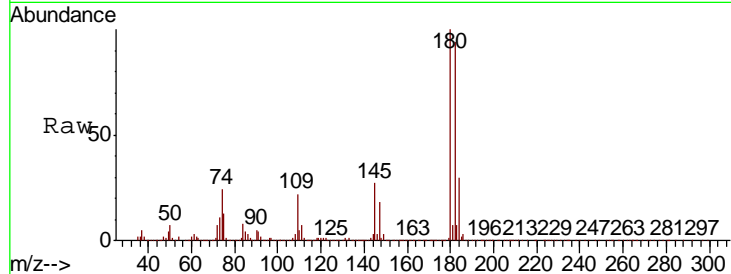
#93
 1,2,4-Trichlorobenzene
 Concen: 150.803 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
180	1421239		
182	94.7	46.6	139.8
145	27.9	14.2	42.6

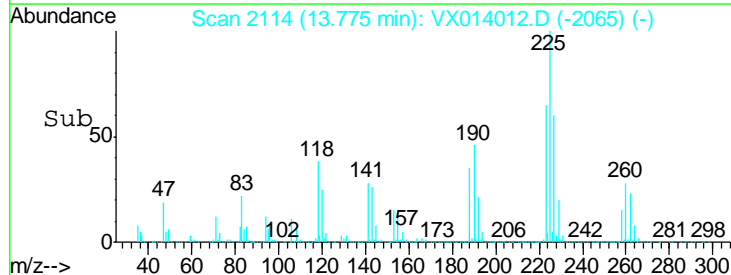
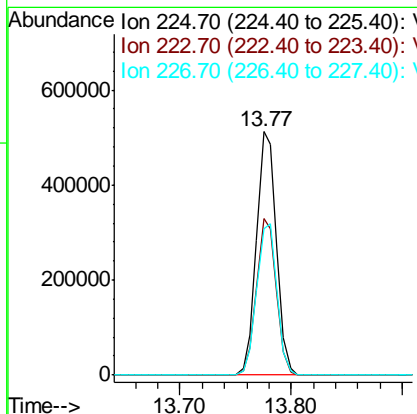
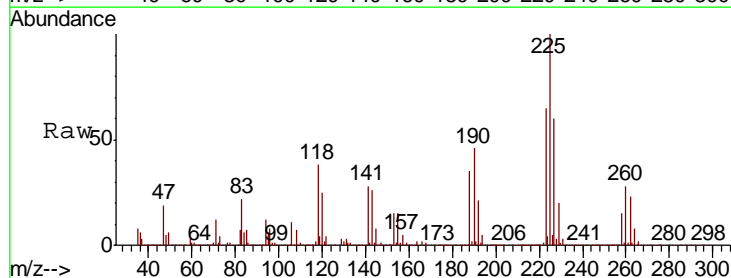
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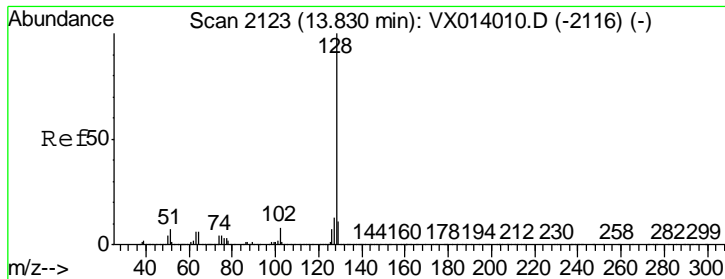
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#94
 Hexachlorobutadiene
 Concen: 140.202 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
225	639399		
223	64.1	30.9	92.5
227	63.6	30.9	92.7





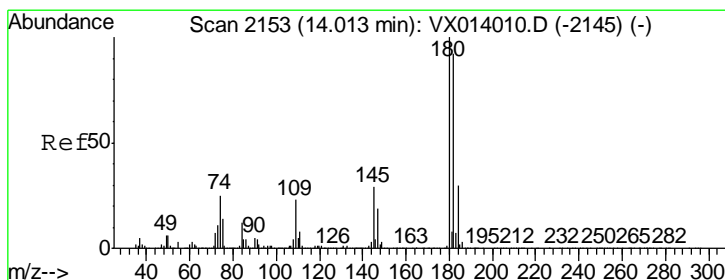
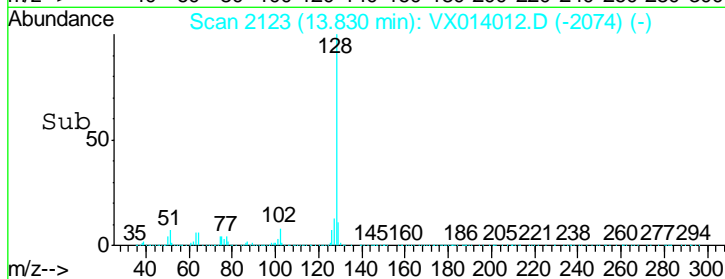
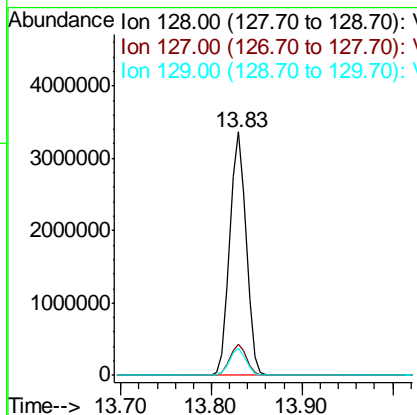
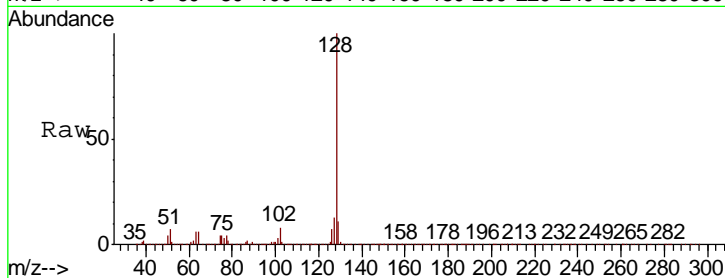
#95
 Naphthalene
 Concen: 150.807 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument : MSVOA_X
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
128	4221939		
127	12.8	10.2	15.4
129	11.0	8.7	13.1

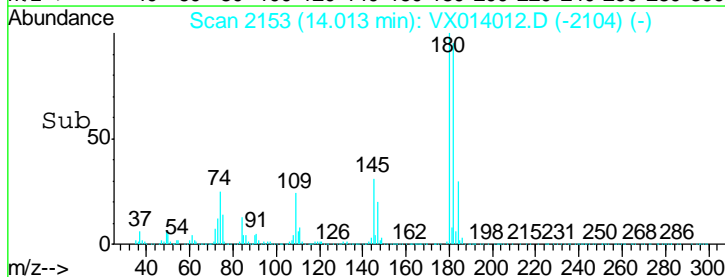
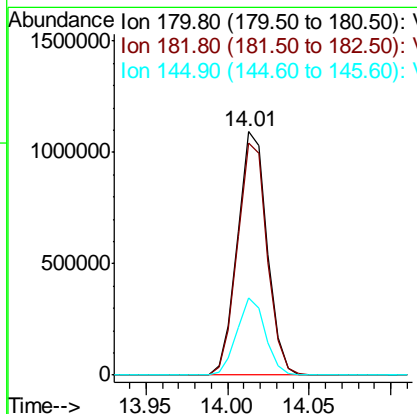
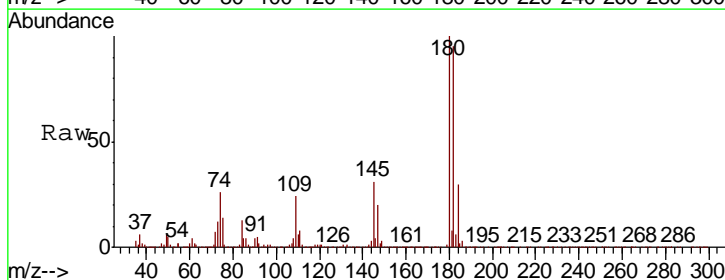
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#96
 1,2,3-Trichlorobenzene
 Concen: 147.504 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Resp	Lower	Upper
180	1382616		
182	95.6	46.8	140.3
145	30.3	14.8	44.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX121319

Manual Integrations
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Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	621092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	932469	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	835490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	417707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	347593	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	5.48	113	290025	51.17	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	8.71	98	1129204	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.13	95	404114	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	291288	52.423	ug/l	98
3) Chloromethane	1.32	50	383848	51.476	ug/l	100
4) Vinyl Chloride	1.40	62	398794	50.683	ug/l	99
5) Bromomethane	1.63	94	269636	48.282	ug/l	98
6) Chloroethane	1.71	64	249654	51.409	ug/l	97
7) Trichlorofluoromethane	1.92	101	509734	52.333	ug/l	100
8) Diethyl Ether	2.18	74	225529	49.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	309754	52.756	ug/l	100
10) Methyl Iodide	2.50	142	396524	51.147	ug/l	98
11) Tert butyl alcohol	3.03	59	388856	255.656	ug/l	99
12) 1,1-Dichloroethene	2.36	96	305414	51.120	ug/l	98
13) Acrolein	2.28	56	268569	308.460	ug/l	98
14) Allyl chloride	2.72	41	559686	52.467	ug/l	99
15) Acrylonitrile	3.12	53	918662	258.767	ug/l	100
16) Acetone	2.43	43	939159	205.507	ug/l	100
17) Carbon Disulfide	2.56	76	862642	51.979	ug/l	99
18) Methyl Acetate	2.76	43	454751	50.218	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1041263	53.038	ug/l	97
20) Methylene Chloride	2.84	84	348991	48.495	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	330319	50.185	ug/l	97
22) Diisopropyl ether	3.84	45	1110273	52.230	ug/l	98
23) Vinyl Acetate	3.80	43	4842976	279.180	ug/l	99
24) 1,1-Dichloroethane	3.69	63	597995	50.563	ug/l	99
25) 2-Butanone	4.65	43	1357662	240.967	ug/l	100
26) 2,2-Dichloropropane	4.57	77	499436	54.390	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	376663	50.600	ug/l	99
28) Bromochloromethane	5.00	49	231204	50.825	ug/l	100
29) Tetrahydrofuran	5.11	42	829161	263.112	ug/l	99
30) Chloroform	5.20	83	580896	51.813	ug/l	99
31) Cyclohexane	5.56	56	559555	53.196	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	498495	52.170	ug/l	99
36) 1,1-Dichloropropene	5.79	75	454000	53.063	ug/l	99
37) Ethyl Acetate	4.81	43	509182	53.892	ug/l	99
38) Carbon Tetrachloride	5.77	117	429343	55.084	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX121319

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Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	570596	54.011	ug/l	98
40) Benzene	6.13	78	1360588	51.683	ug/l	100
41) Methacrylonitrile	5.02	41	283070	53.997	ug/l	98
42) 1,2-Dichloroethane	6.18	62	469125	52.570	ug/l	99
43) Isopropyl Acetate	6.43	43	850005	54.361	ug/l	99
44) Trichloroethene	7.20	130	371092	51.035	ug/l	97
45) 1,2-Dichloropropane	7.50	63	350152	51.894	ug/l	100
46) Dibromomethane	7.65	93	229903	51.535	ug/l	99
47) Bromodichloromethane	7.89	83	452971	53.914	ug/l	98
48) Methyl methacrylate	7.76	41	414594	54.148	ug/l	99
49) 1,4-Dioxane	7.73	88	163781	1051.128	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2580512	262.786	ug/l	99
52) Toluene	8.78	92	857143	51.512	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	516909	56.109	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	578598	56.374	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	342987	51.430	ug/l	98
56) Ethyl methacrylate	9.17	69	570730	54.481	ug/l	99
57) 1,3-Dichloropropane	9.36	76	586215	52.245	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1007644	254.171	ug/l	100
59) 2-Hexanone	9.48	43	1995401	252.423	ug/l	99
60) Dibromochloromethane	9.57	129	366389	55.271	ug/l	100
61) 1,2-Dibromoethane	9.67	107	360865	52.886	ug/l	100
64) Tetrachloroethene	9.33	164	332078	44.918	ug/l	97
65) Chlorobenzene	10.14	112	917959	51.674	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	339861	53.581	ug/l	99
67) Ethyl Benzene	10.25	91	1643804	53.822	ug/l	100
68) m/p-Xylenes	10.36	106	1253248	106.690	ug/l	100
69) o-Xylene	10.70	106	605775	52.582	ug/l	98
70) Styrene	10.71	104	1037862	53.275	ug/l	99
71) Bromoform	10.85	173	286793	56.249	ug/l #	99
73) Isopropylbenzene	11.01	105	1615818	54.942	ug/l	100
74) N-amyl acetate	10.89	43	755178	54.780	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	539109	52.874	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	436974m	48.187	ug/l	
77) Bromobenzene	11.25	156	416657	51.492	ug/l	98
78) n-propylbenzene	11.35	91	1837796	55.711	ug/l	99
79) 2-Chlorotoluene	11.42	91	1079257	53.821	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1364671	55.135	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	187870	58.475	ug/l	98
82) 4-Chlorotoluene	11.51	91	1240522	53.332	ug/l	99
83) tert-Butylbenzene	11.76	119	1357085	56.340	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1357384	54.762	ug/l	100
85) sec-Butylbenzene	11.94	105	1562765	54.958	ug/l	100
86) p-Isopropyltoluene	12.06	119	1449211	55.715	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	735116	51.836	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	721740	50.052	ug/l	99
89) n-Butylbenzene	12.39	91	1258596	56.708	ug/l	99
90) Hexachloroethane	12.59	117	260952	55.854	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	735232	51.501	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	118074	52.330	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX121319

Manual Integrations
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Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	501922	54.093	ug/l	98
94) Hexachlorobutadiene	13.78	225	237371	53.230	ug/l	98
95) Naphthalene	13.83	128	1501462	55.076	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	494527	53.990	ug/l	98

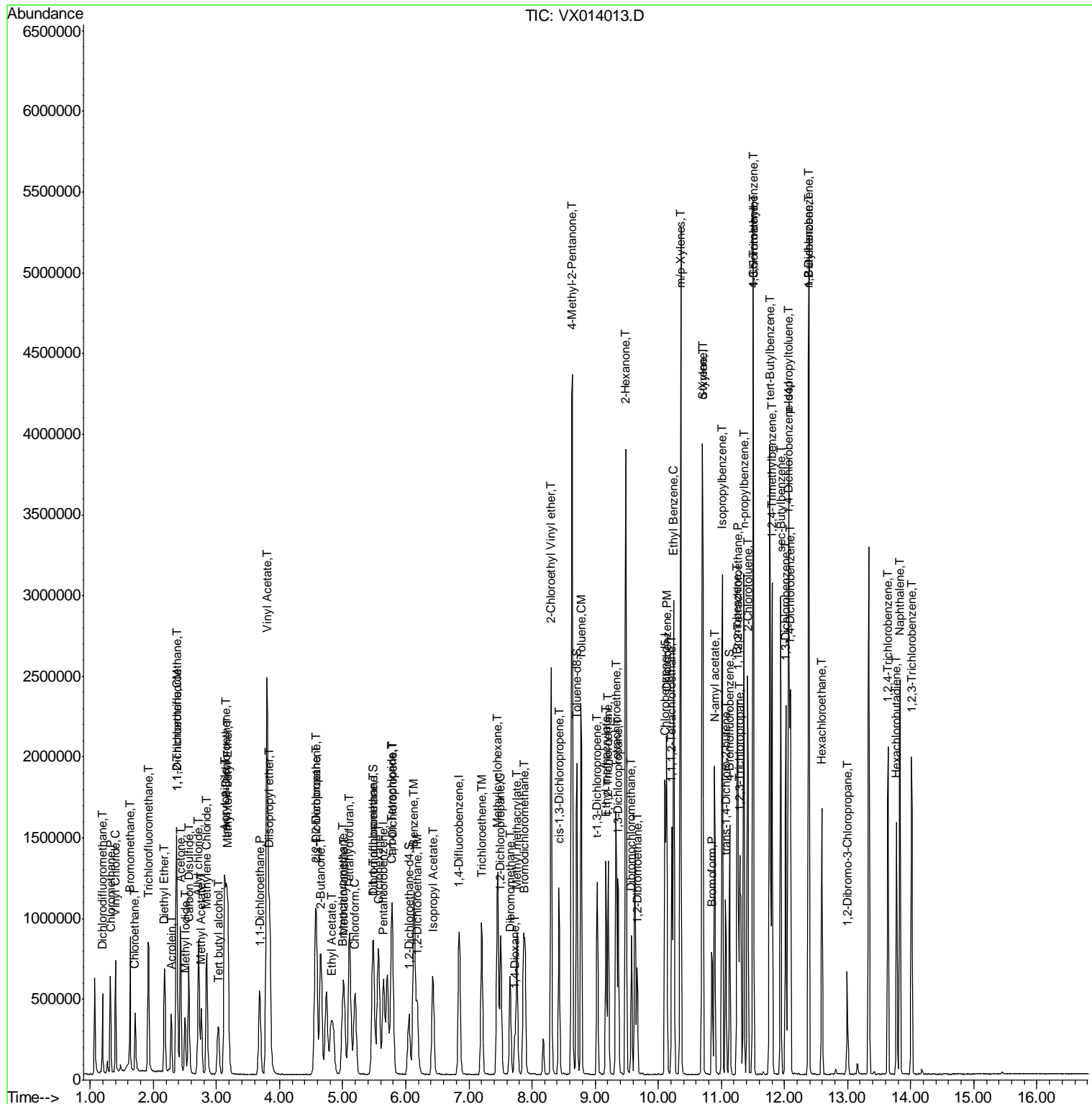
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
Data File : VX014013.D
Acq On : 13 Dec 2019 18:00
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

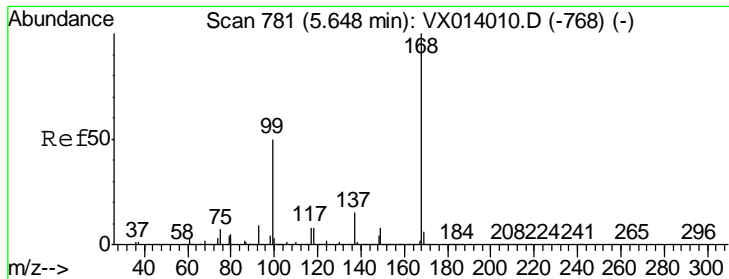
Instrument :
MSVOA_X
Client Sampled :
ICVVX121319

Manual Integrations
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Quant Time: Dec 17 03:04:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration



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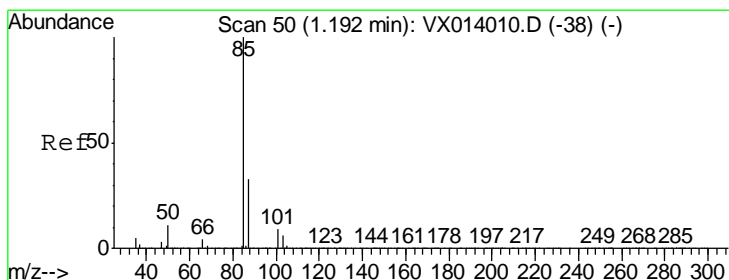
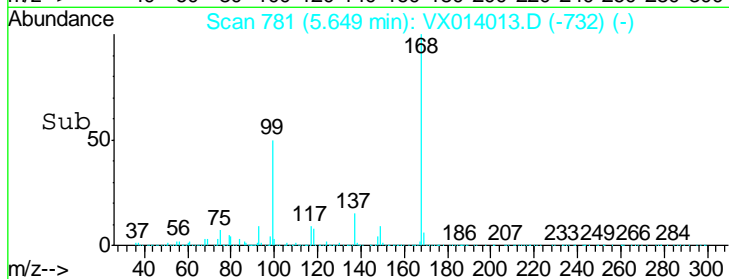
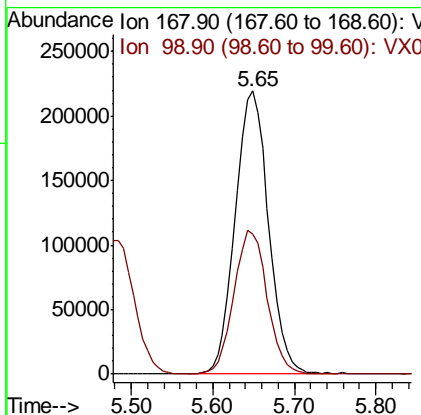
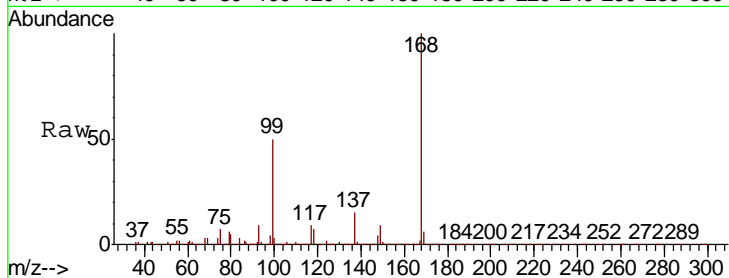


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.5	40.3	60.5

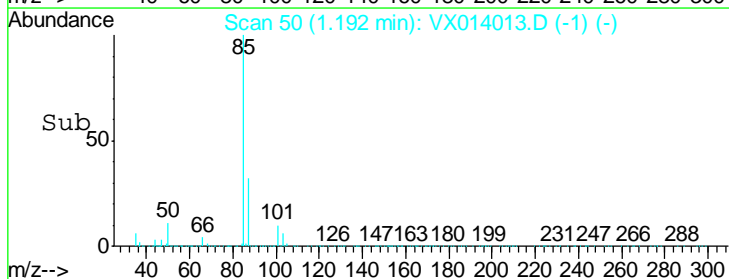
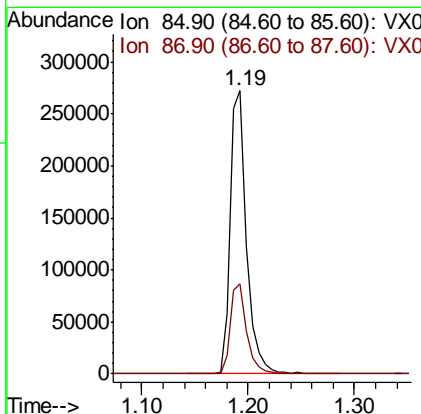
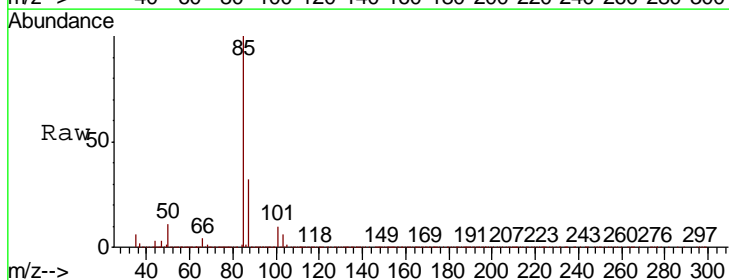
Instrument : MSVOA_X
 Client Sampled : ICVVX121319

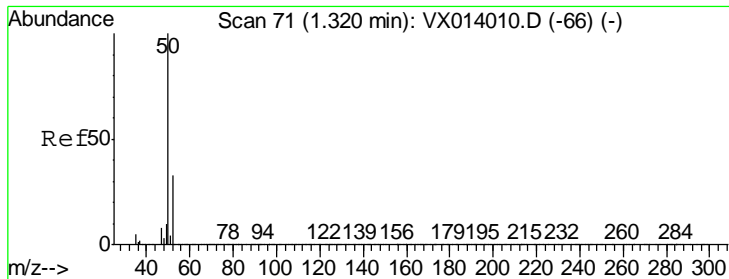
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#2
 Dichlorodifluoromethane
 Concen: 52.423 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.9	16.4	49.2



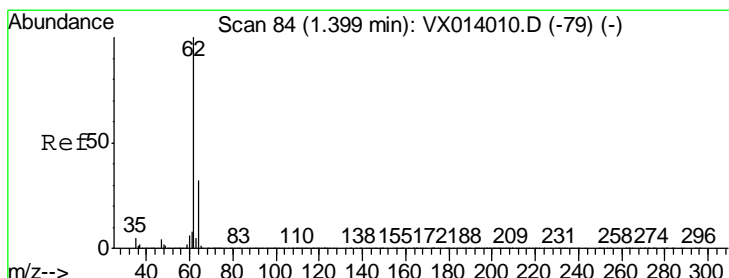
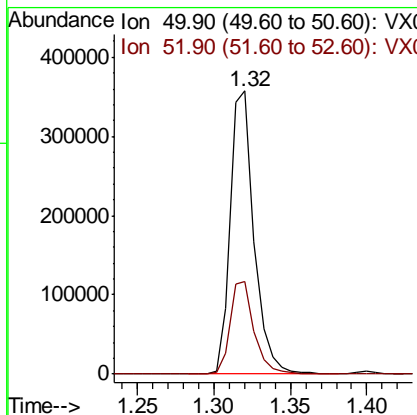
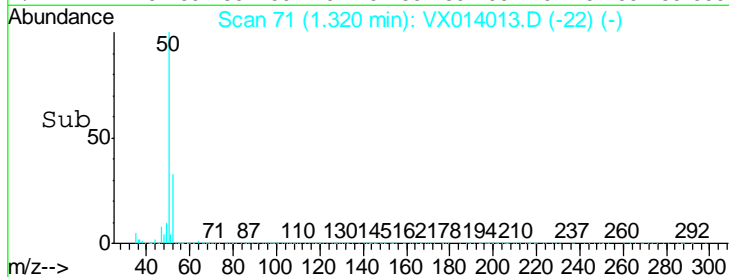
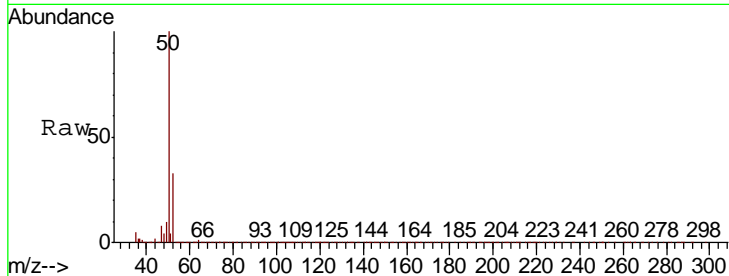


#3
 Chloromethane
 Concen: 51.476 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.8	26.2	39.4

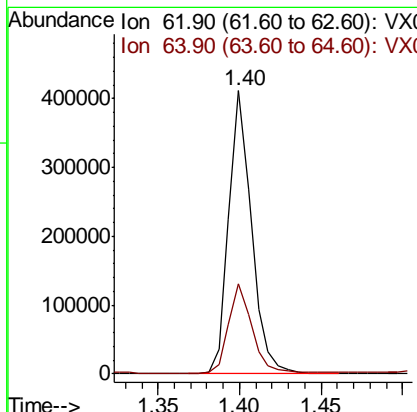
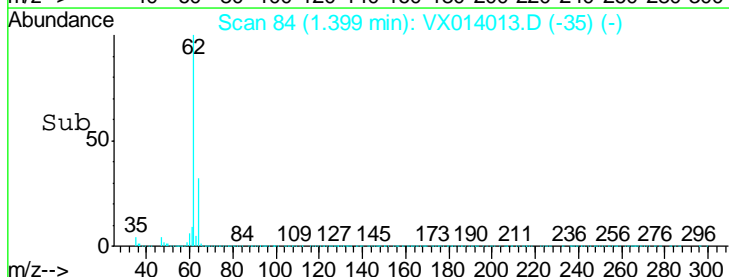
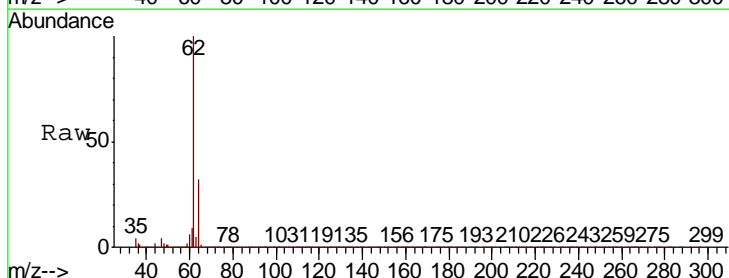
Instrument : MSVOA_X
 Client Sampled : ICVVX121319

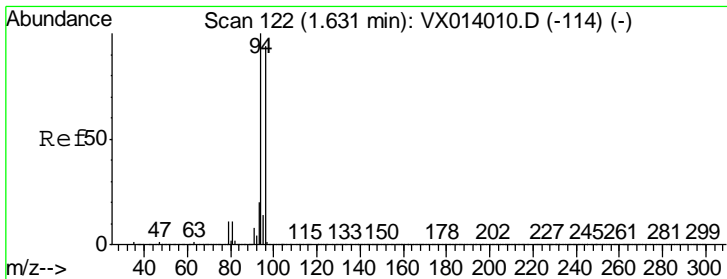
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#4
 Vinyl Chloride
 Concen: 50.683 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.6	25.7	38.5





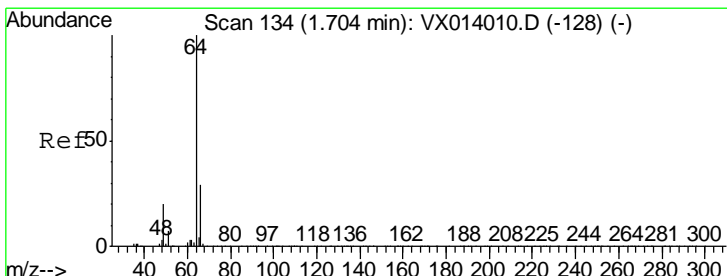
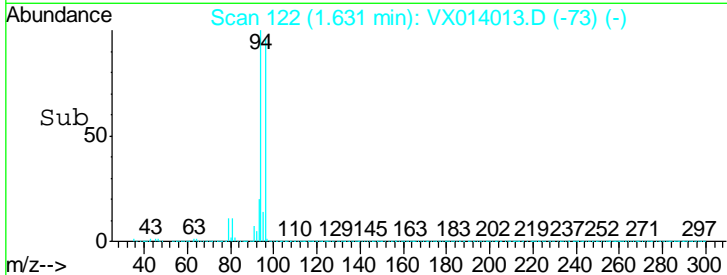
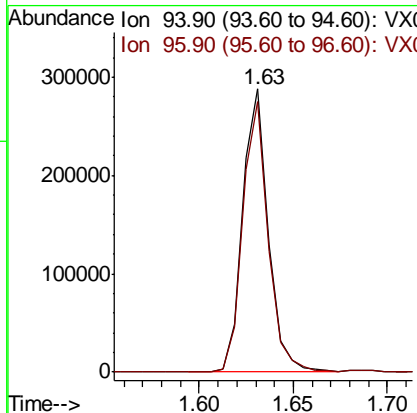
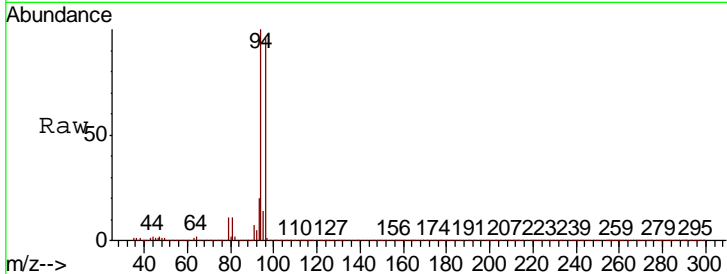
#5
 Bromomethane
 Concen: 48.282 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
94	100		
96	95.8	75.2	112.8

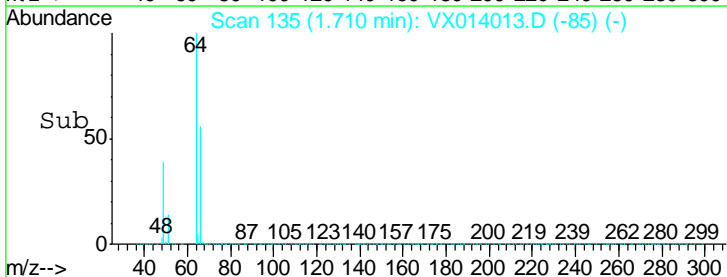
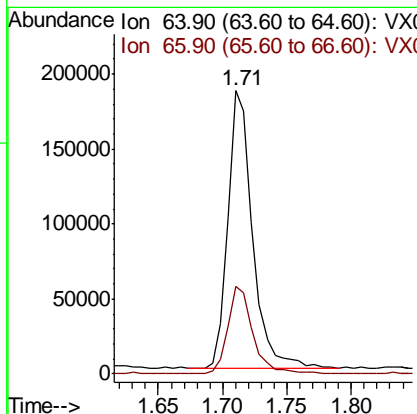
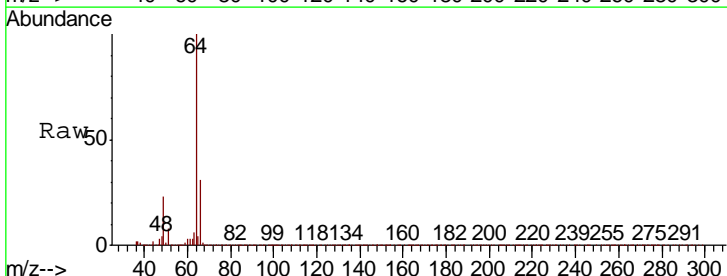
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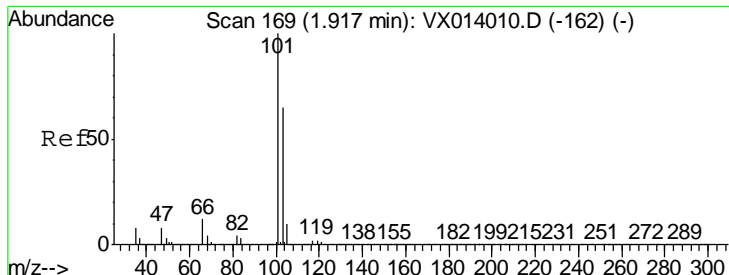
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#6
 Chloroethane
 Concen: 51.409 ug/l
 RT: 1.71 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.1	23.4	35.2





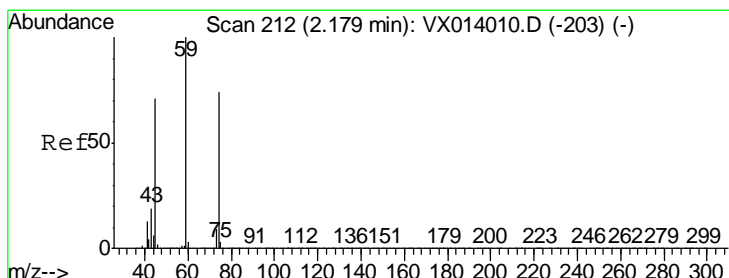
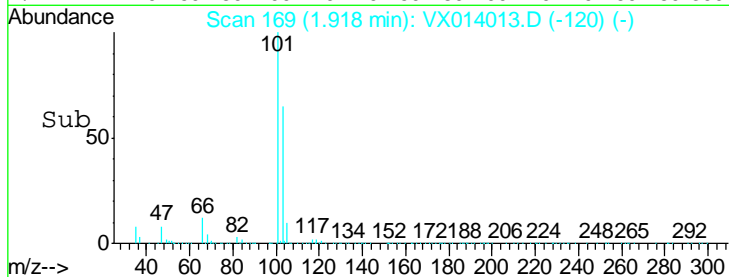
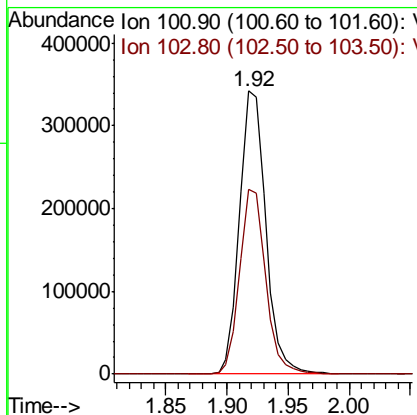
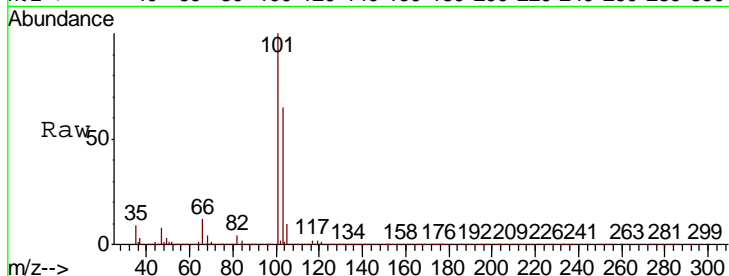
#7
 Trichlorofluoromethane
 Concen: 52.333 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
101	509734		
103	65.4	52.2	78.4

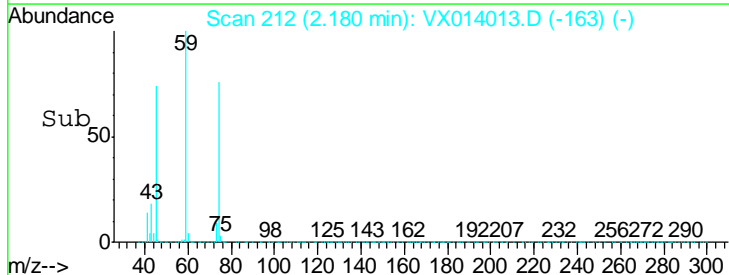
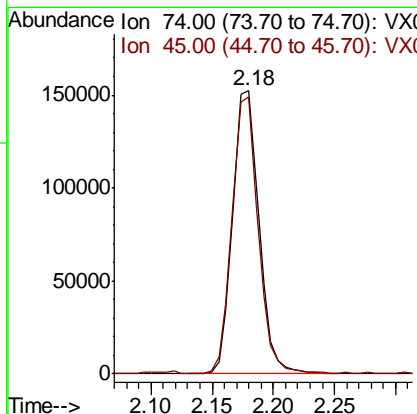
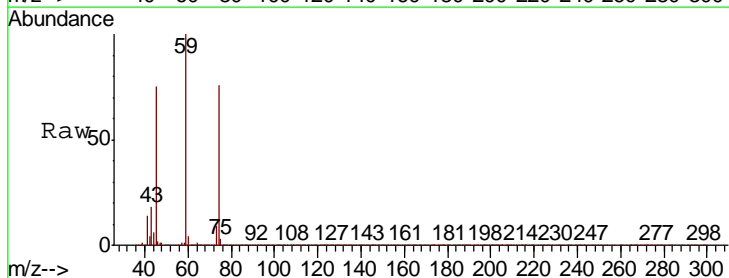
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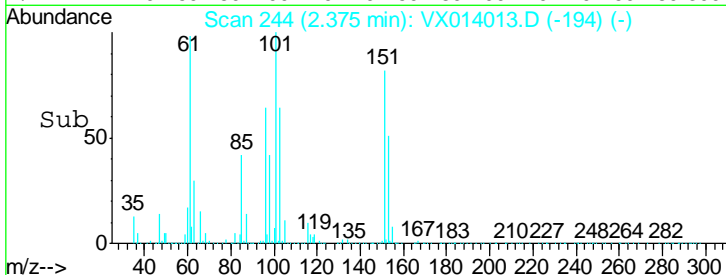
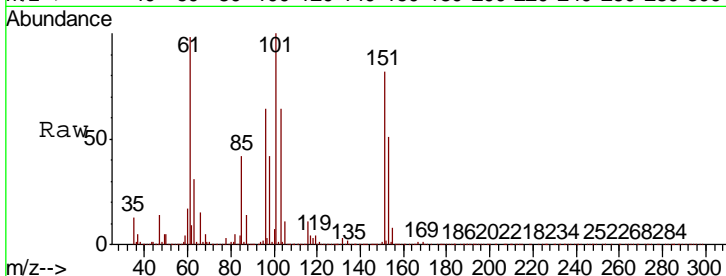
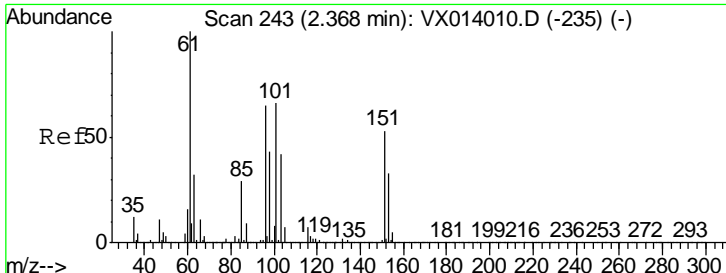
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#8
 Diethyl Ether
 Concen: 49.336 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
74	225529		
45	96.8	48.1	144.3



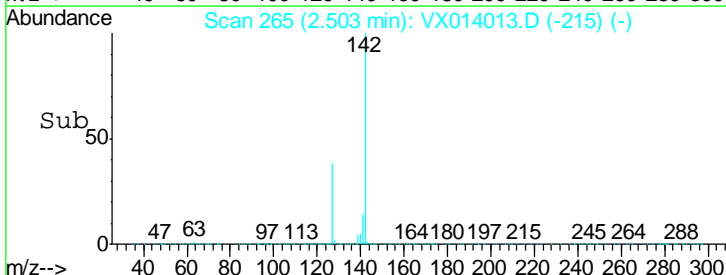
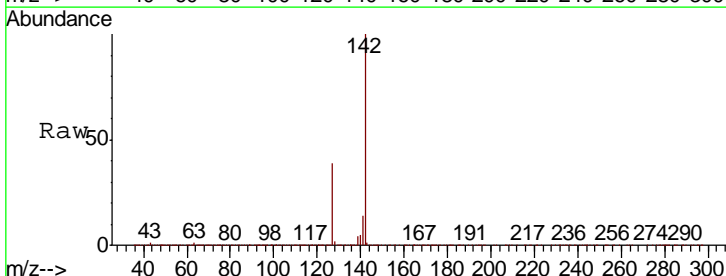
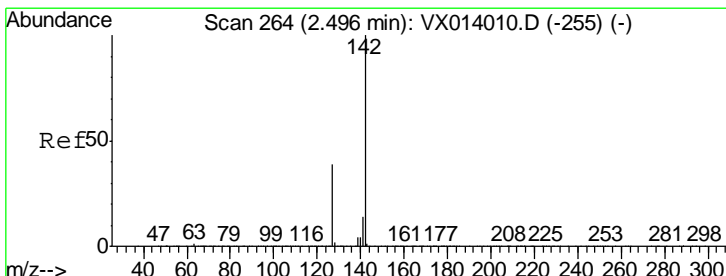
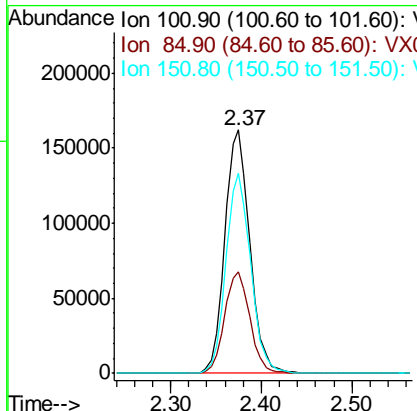


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.756 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
101	309754		
101	100		
85	42.0	33.7	50.5
151	81.2	64.5	96.7

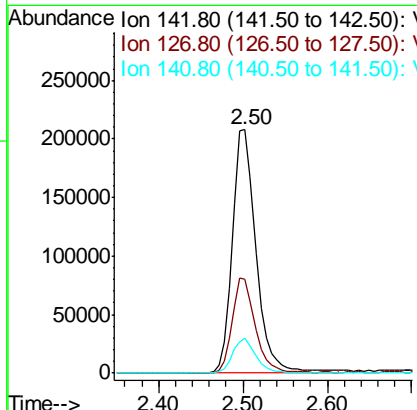
Instrument : MSVOA_X
 Client Sampled : ICVVX121319

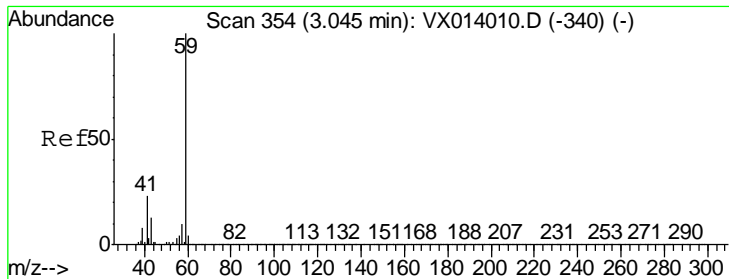
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#10
 Methyl Iodide
 Concen: 51.147 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
142	396524		
142	100		
127	38.3	31.6	47.4
141	14.1	11.6	17.4





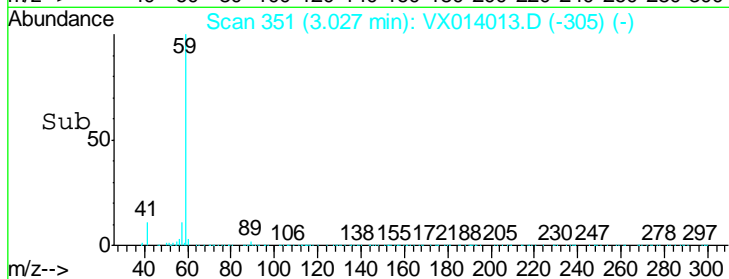
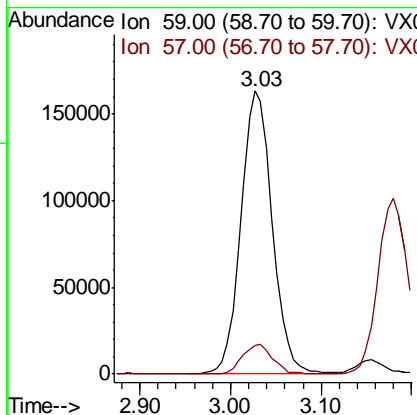
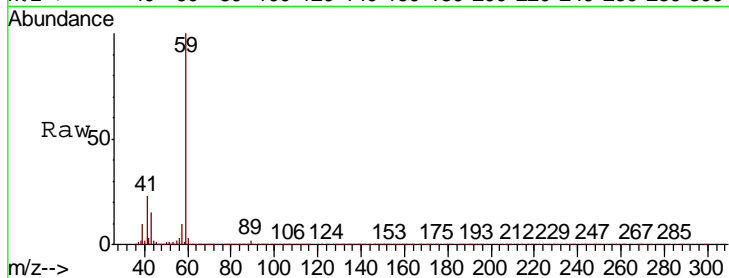
#11
 Tert butyl alcohol
 Concen: 255.656 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
59	388856		
57	10.0	8.4	12.6

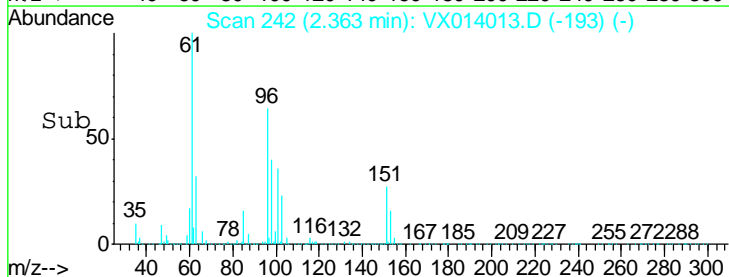
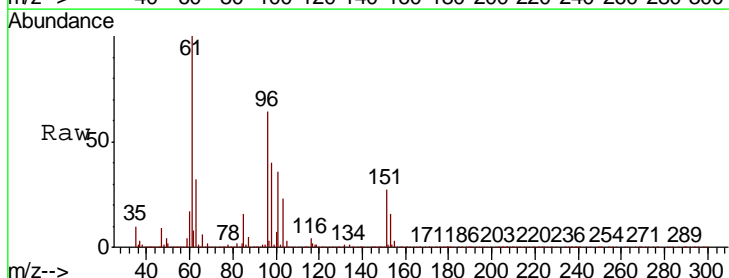
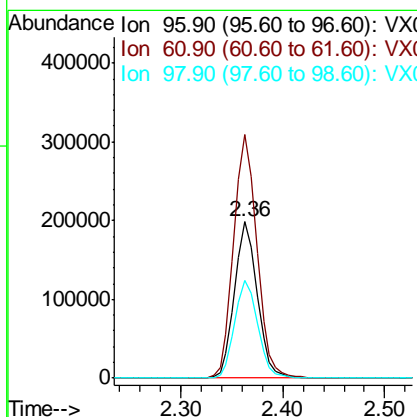
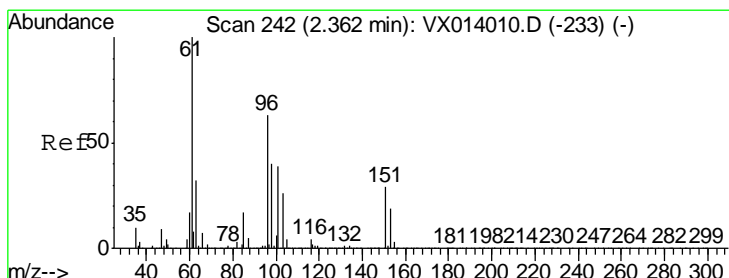
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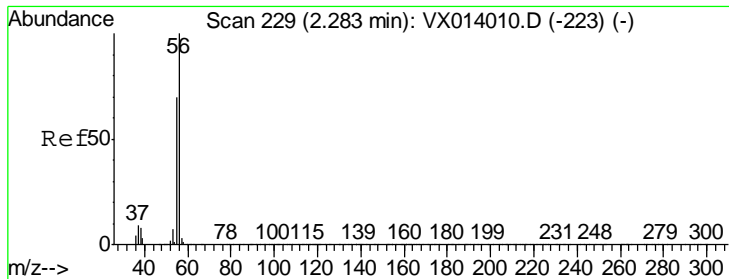
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#12
 1,1-Dichloroethene
 Concen: 51.120 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
96	305414		
61	156.1	127.9	191.9
98	62.3	50.5	75.7





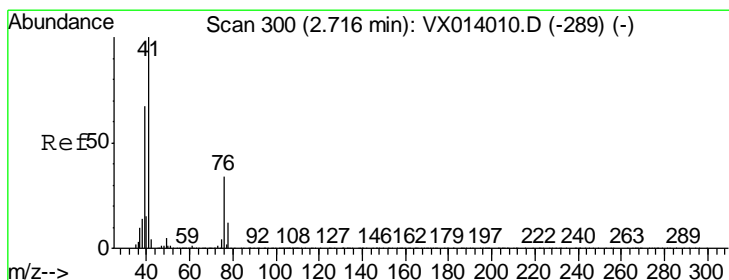
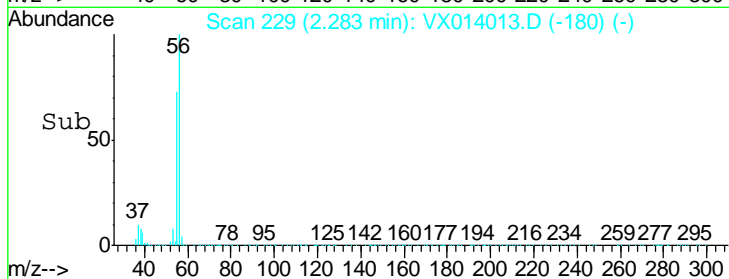
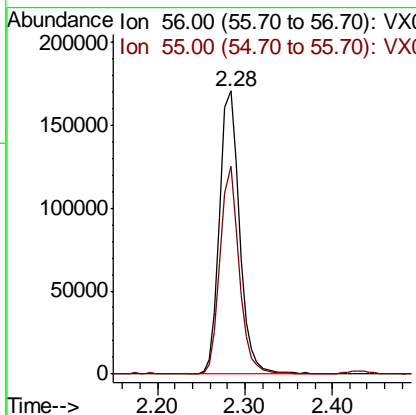
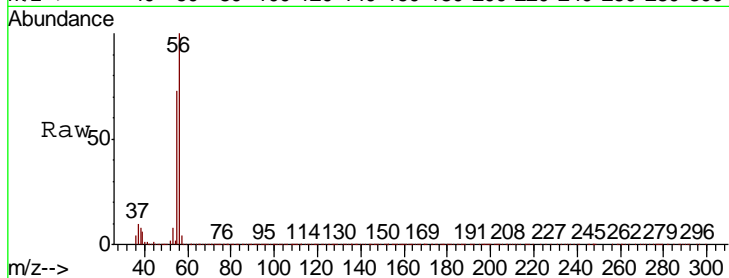
#13
 Acrolein
 Concen: 308.460 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
56	100		
55	69.5	56.9	85.3

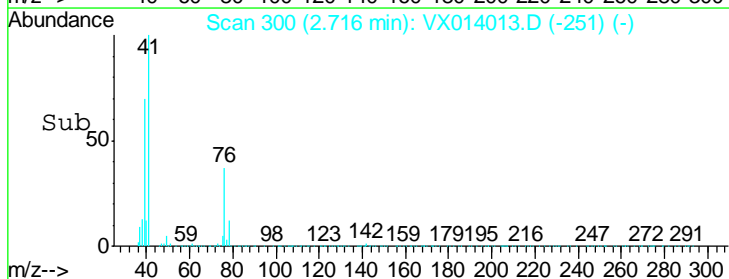
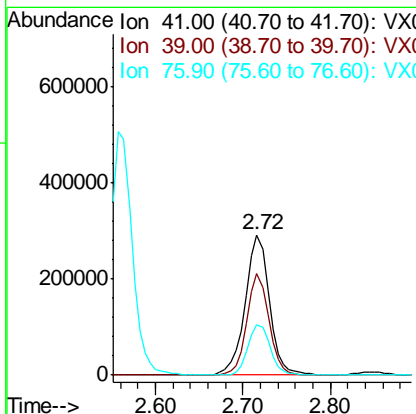
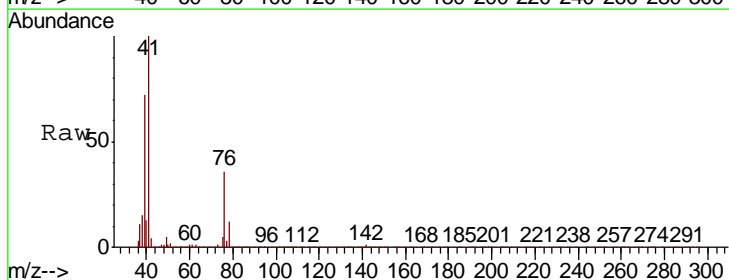
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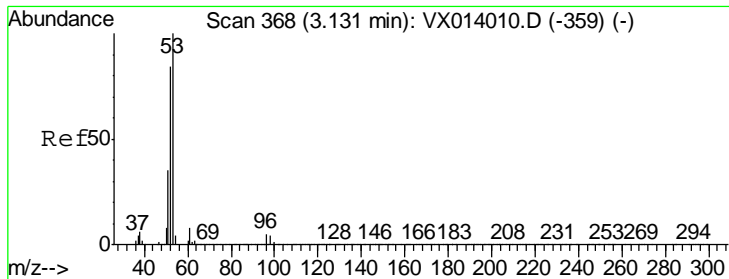
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#14
 Allyl chloride
 Concen: 52.467 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
41	100		
39	65.9	51.8	77.8
76	33.2	25.9	38.9





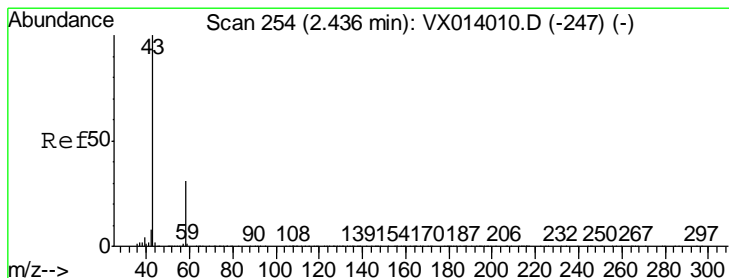
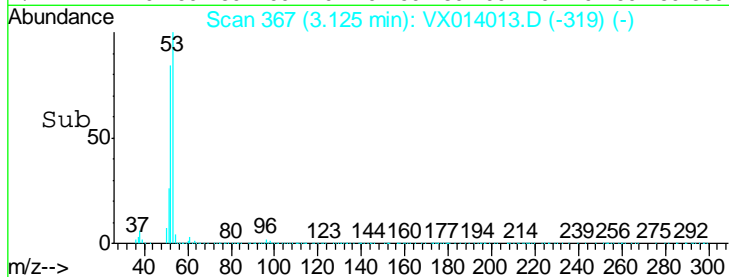
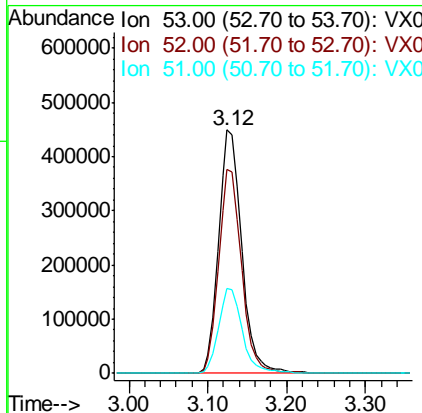
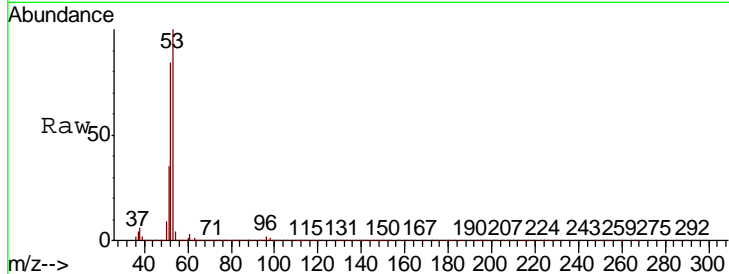
#15
 Acrylonitrile
 Concen: 258.767 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	35.4	28.1	42.1

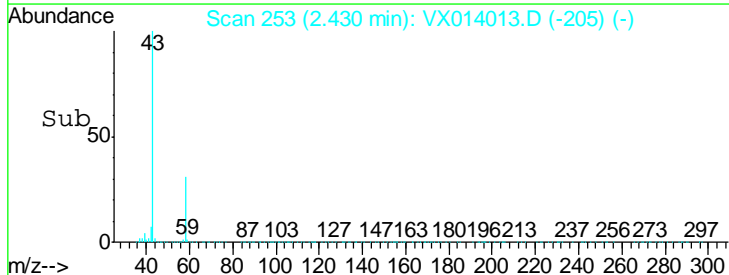
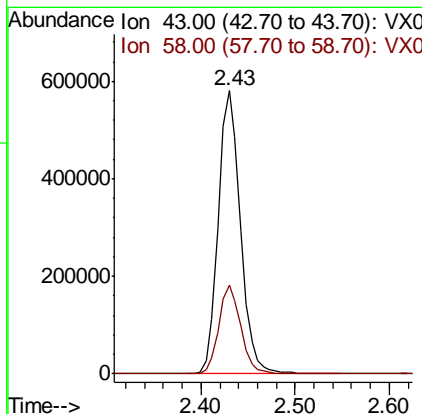
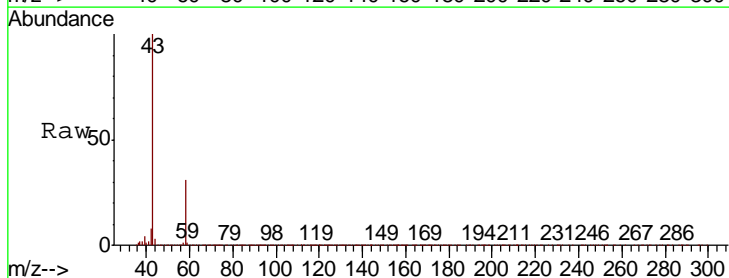
Manual Integrations
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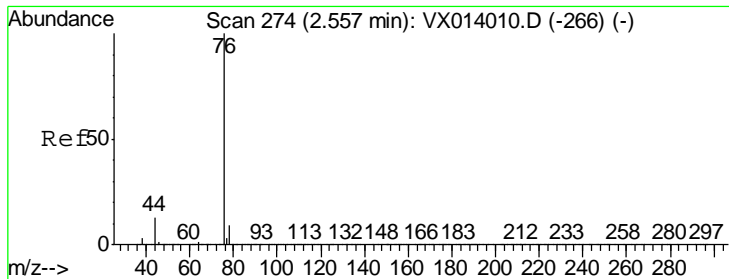
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#16
 Acetone
 Concen: 205.507 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.3	24.9	37.3





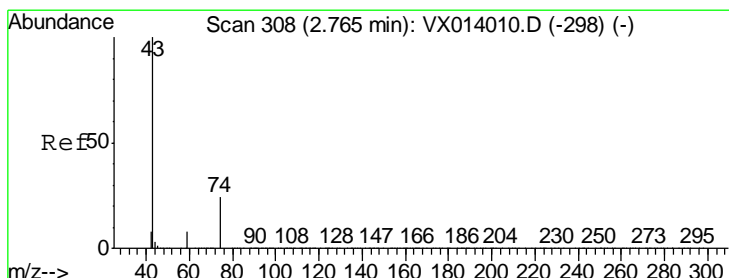
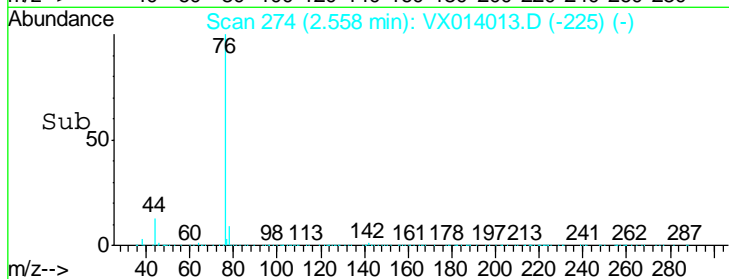
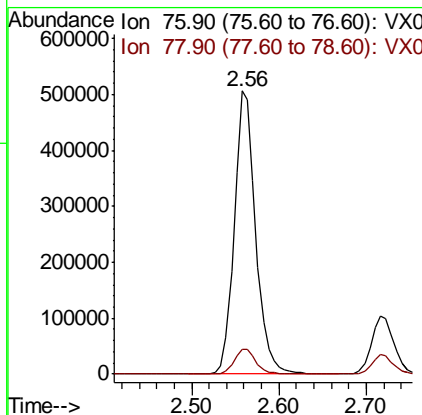
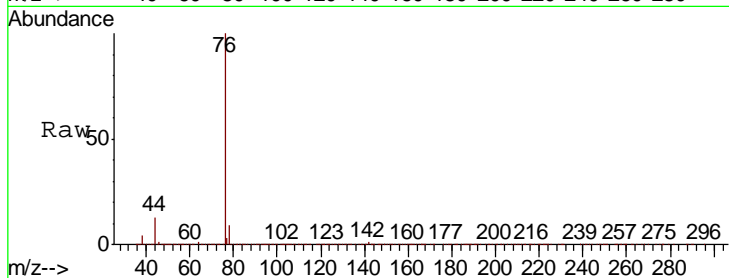
#17
 Carbon Disulfide
 Concen: 51.979 ug/l
 RT: 2.56 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

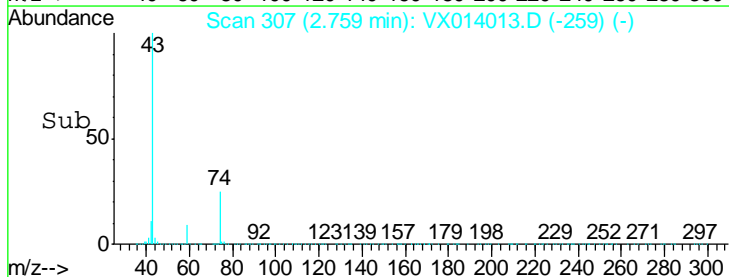
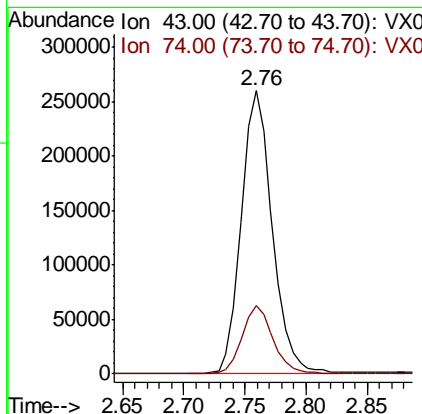
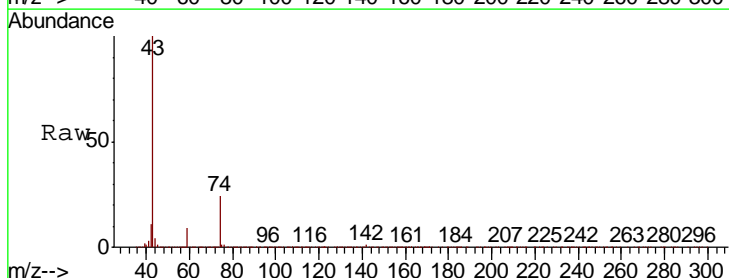
Manual Integrations
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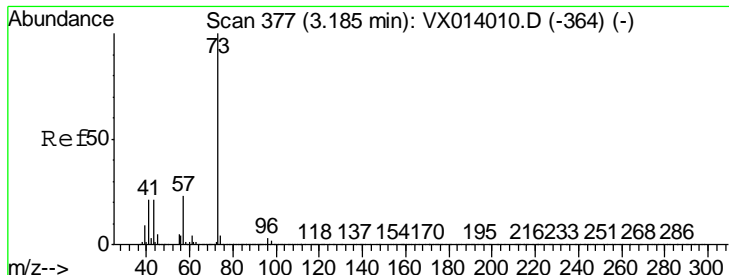
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#18
 Methyl Acetate
 Concen: 50.218 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.5	29.3



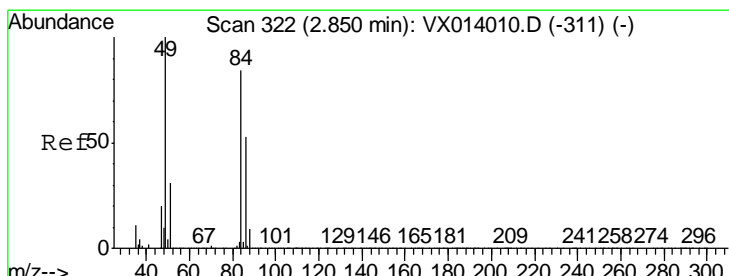
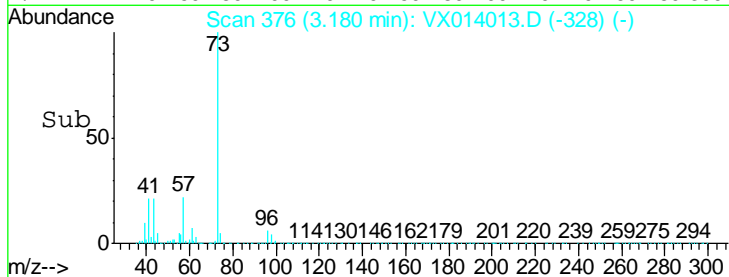
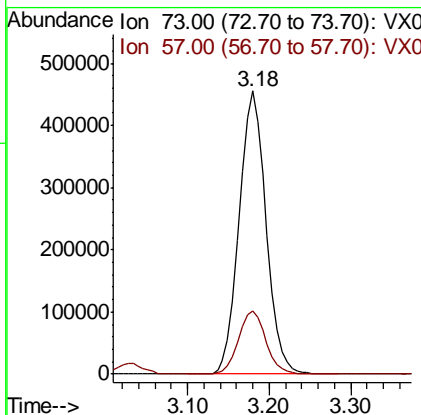
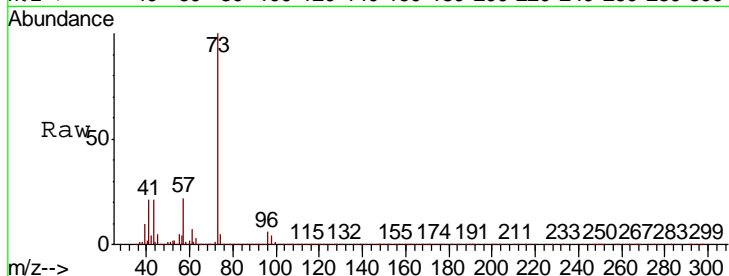


#19
Methyl tert-butyl Ether
Concen: 53.038 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014013.D
Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
73	1041263		
73	100		
57	22.2	18.8	28.2

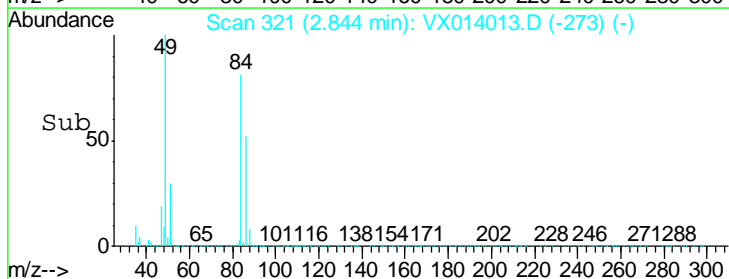
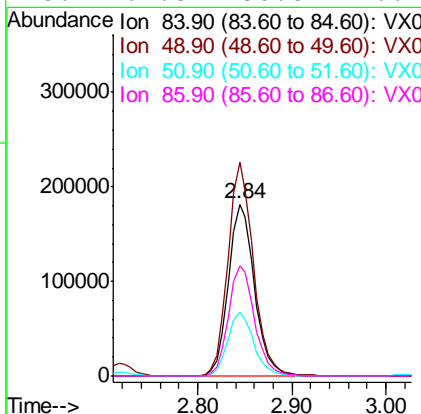
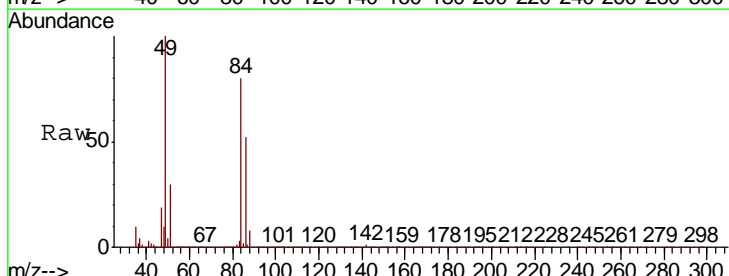
Instrument : MSVOA_X
Client Sampled : ICVVX121319

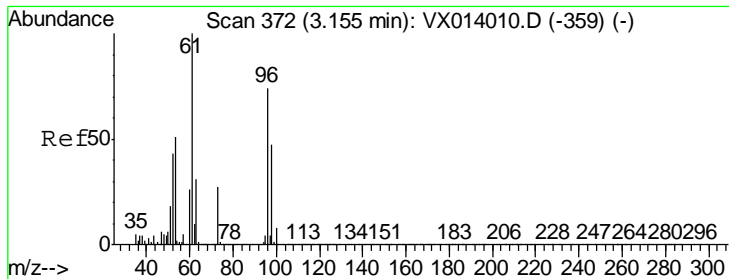
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#20
Methylene Chloride
Concen: 48.495 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014013.D
Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
84	348991		
84	100		
49	124.0	95.8	143.6
51	36.9	29.8	44.8
86	64.3	50.8	76.2





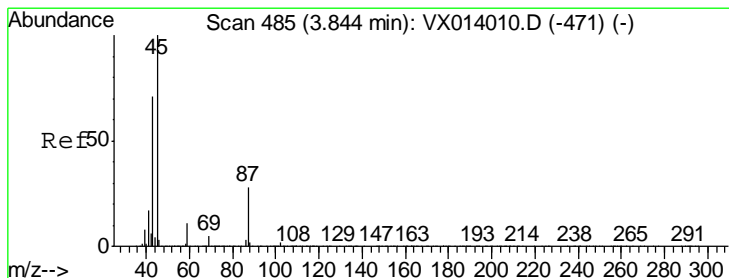
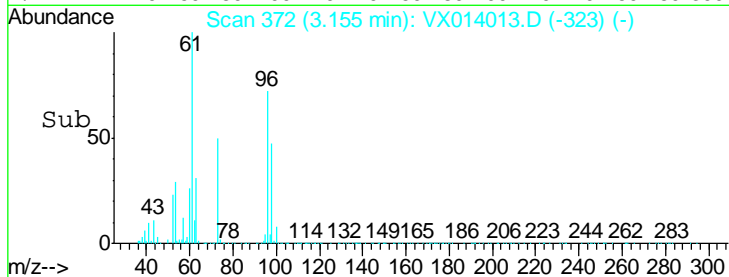
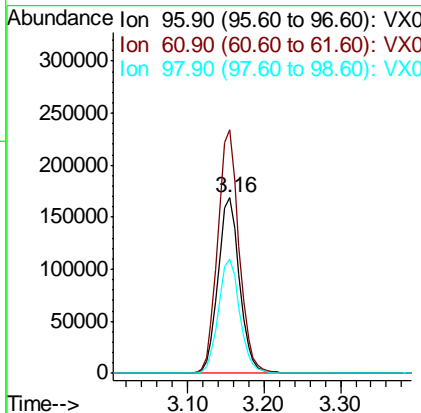
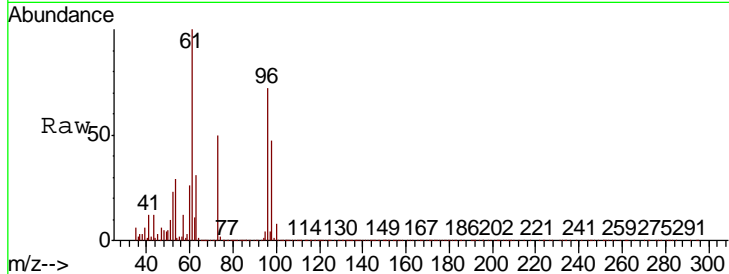
#21
 trans-1,2-Dichloroethene
 Concen: 50.185 ug/l
 RT: 3.16 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
96	330319		
61	138.6	108.3	162.5
98	65.4	50.8	76.2

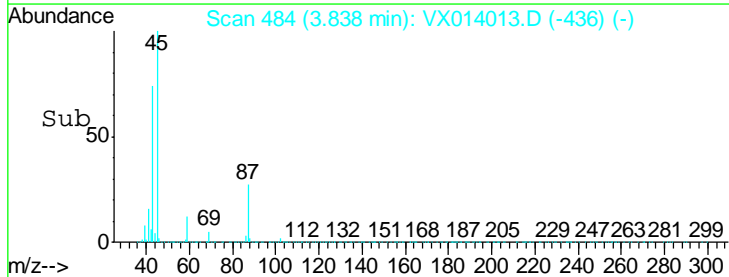
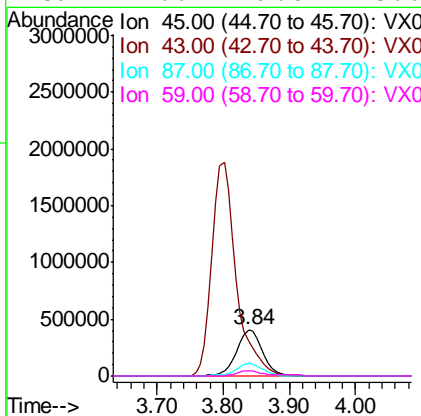
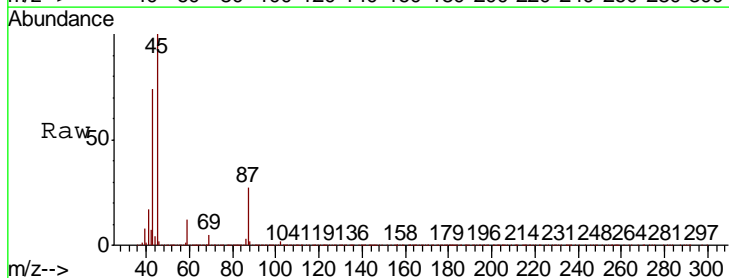
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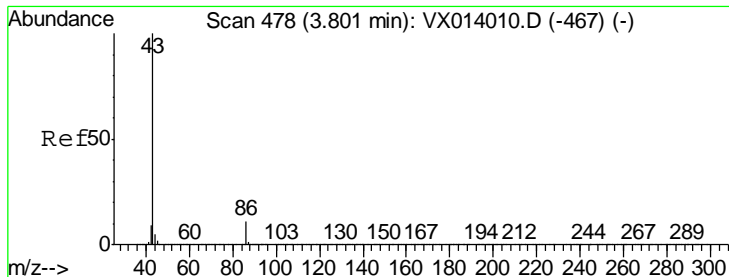
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#22
 Diisopropyl ether
 Concen: 52.230 ug/l
 RT: 3.84 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
45	1110273		
43	74.1	57.4	86.0
87	27.0	21.9	32.9
59	11.6	9.0	13.6





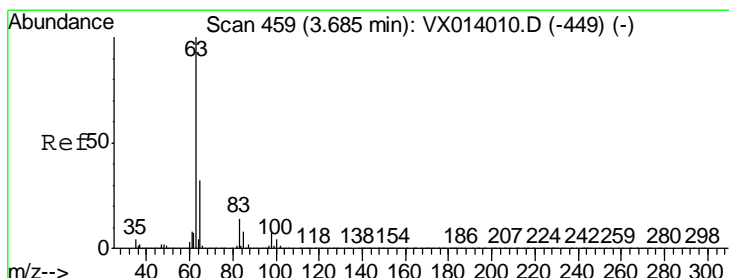
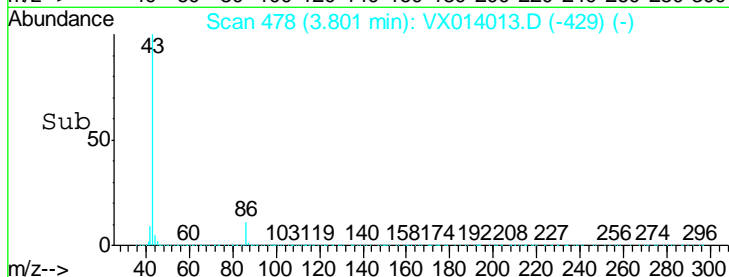
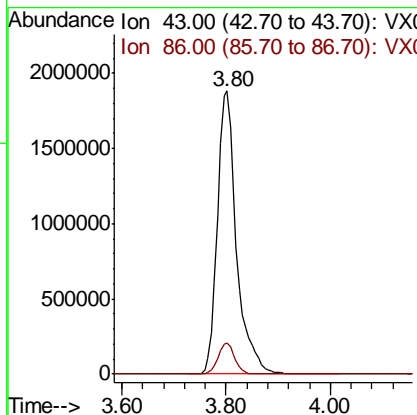
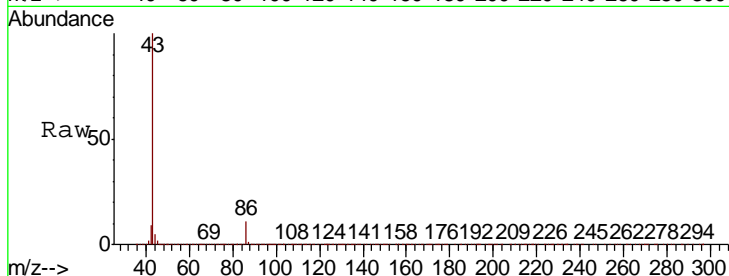
#23
 Vinyl Acetate
 Concen: 279.180 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
43	100		
86	11.1	8.6	12.8

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

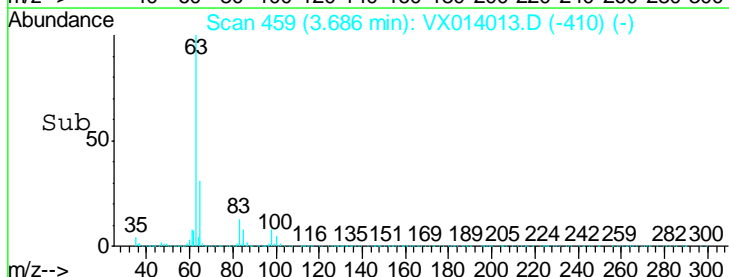
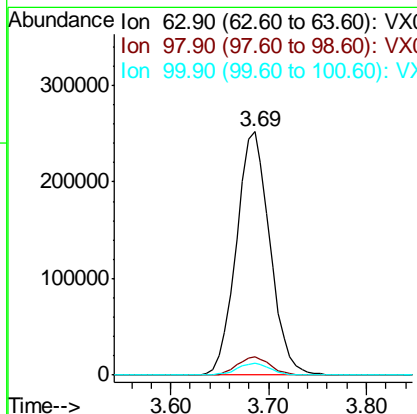
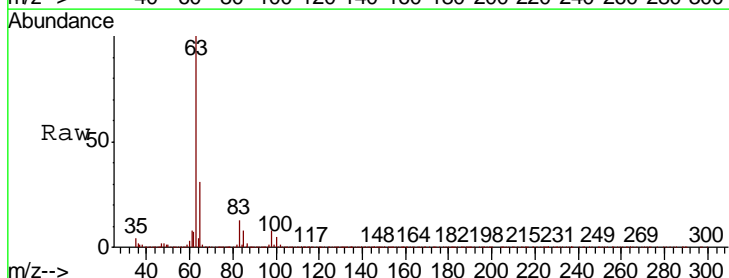
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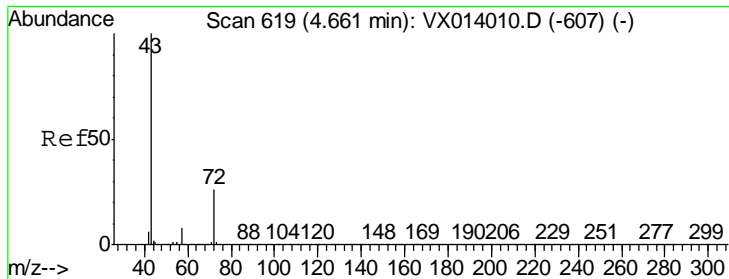
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#24
 1,1-Dichloroethane
 Concen: 50.563 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.6	3.6	10.8
100	4.8	2.3	6.8





#25
 2-Butanone
 Concen: 240.967 ug/l
 RT: 4.65 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

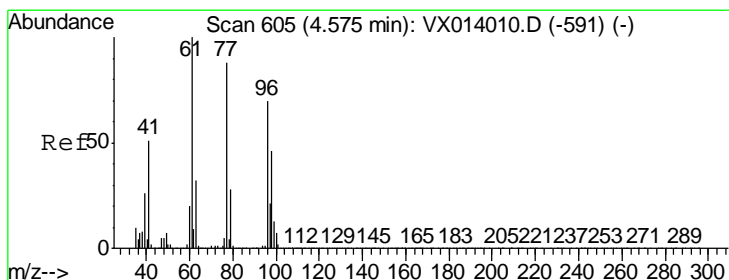
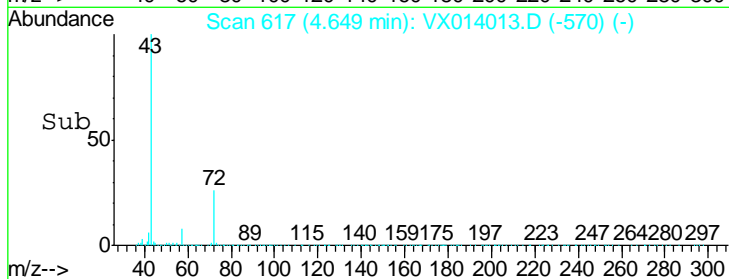
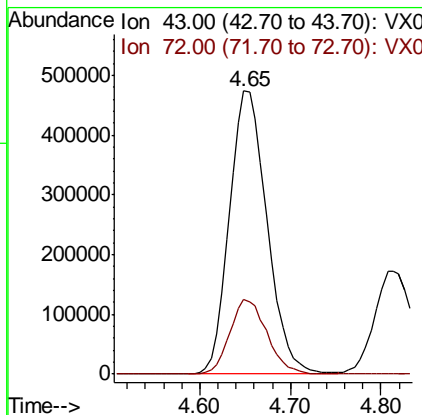
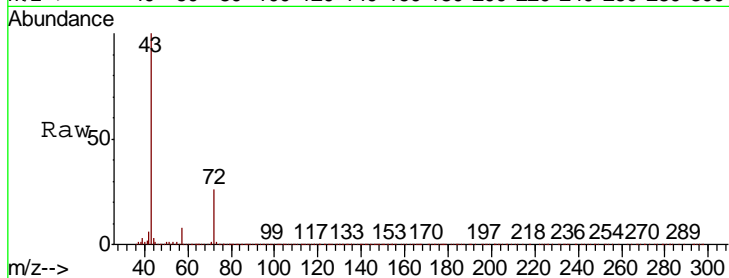
Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion: 43 Resp: 1357662

Ion	Ratio	Lower	Upper
43	100		
72	26.2	21.0	31.4

Manual Integrations
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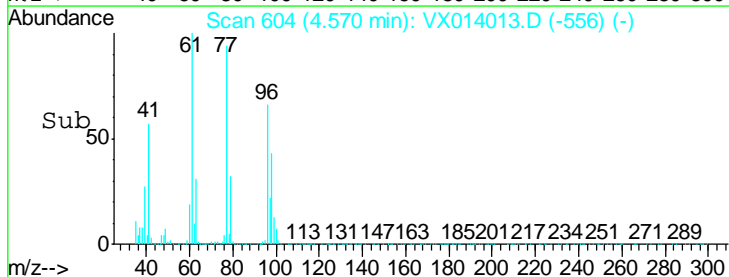
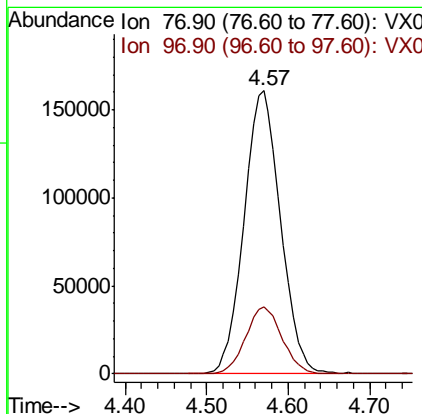
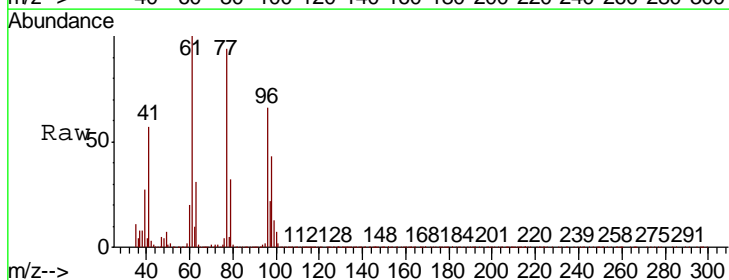
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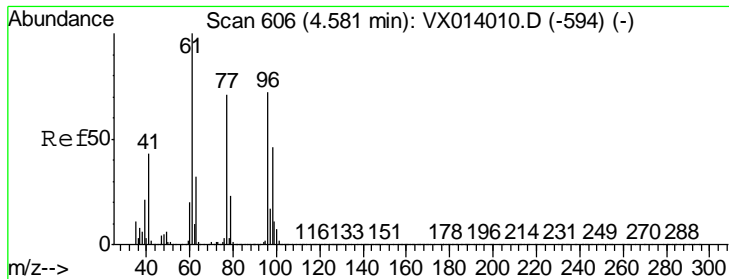


#26
 2,2-Dichloropropane
 Concen: 54.390 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion: 77 Resp: 499436

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.9	35.9





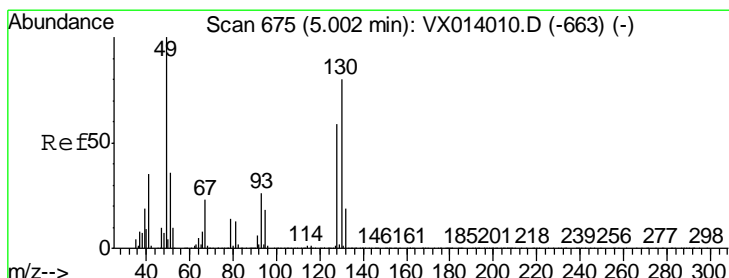
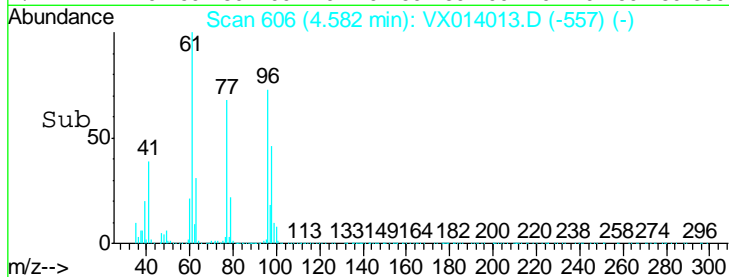
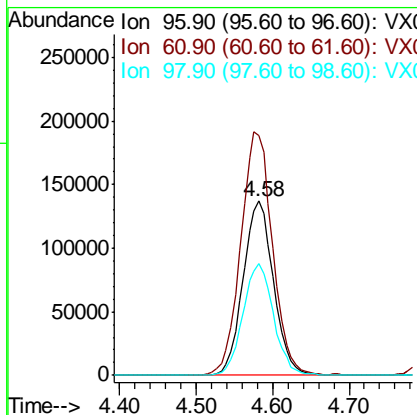
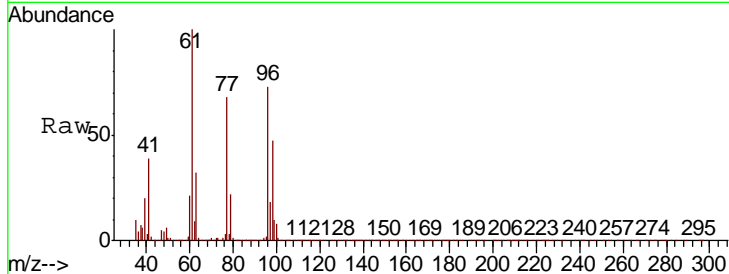
#27
 cis-1,2-Dichloroethene
 Concen: 50.600 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 ClientSampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
96	376663		
96	100		
61	145.2	0.0	288.4
98	64.5	0.0	129.6

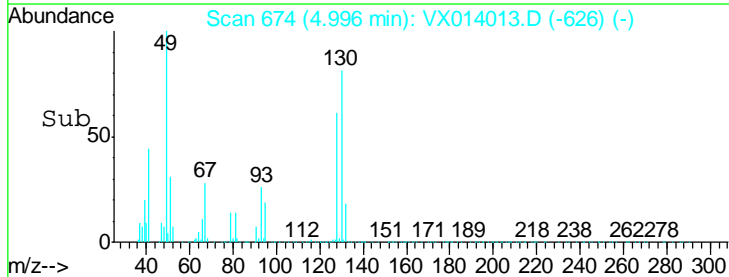
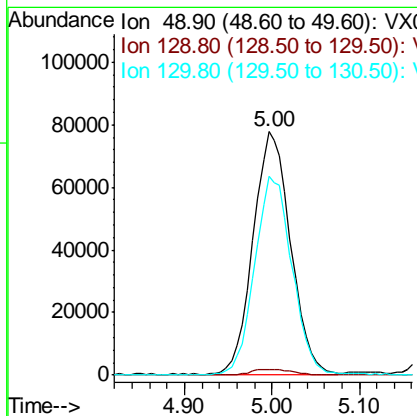
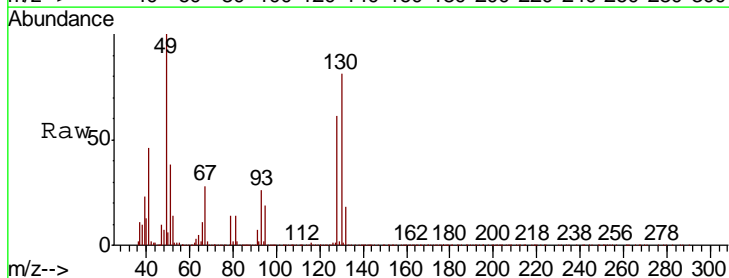
Manual Integrations
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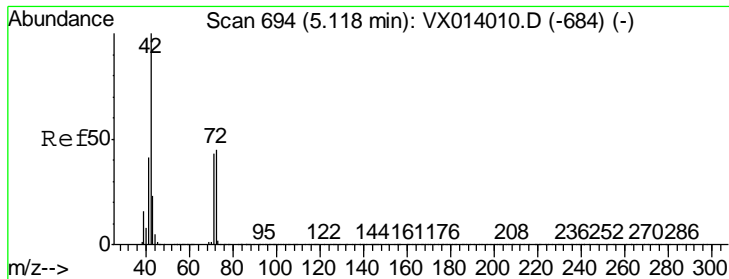
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#28
 Bromochloromethane
 Concen: 50.825 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
49	231204		
49	100		
129	2.6	0.0	5.0
130	81.2	64.6	97.0





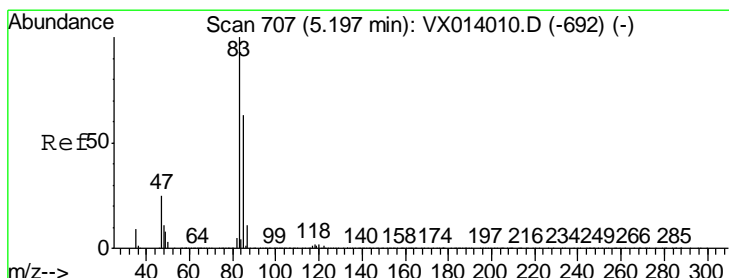
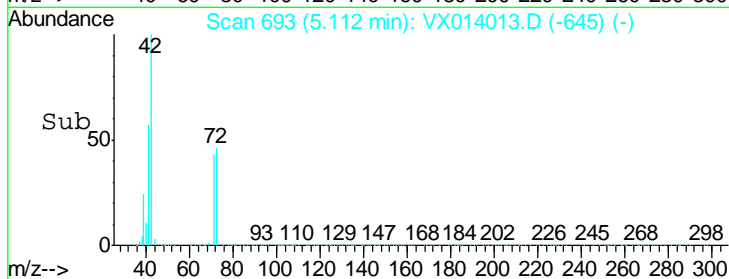
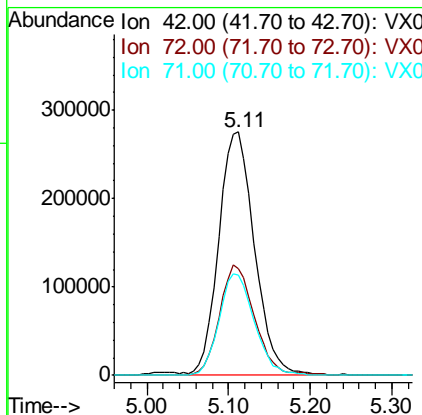
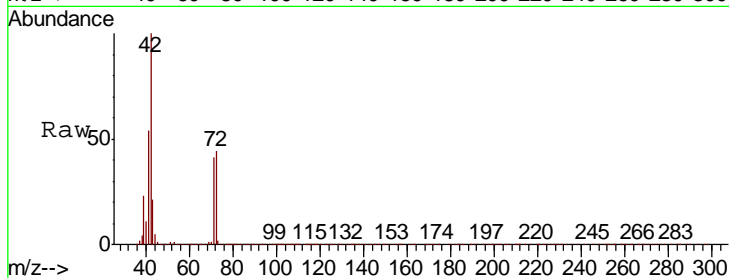
#29
 Tetrahydrofuran
 Concen: 263.112 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
42	100		
72	45.0	35.8	53.8
71	41.4	33.6	50.4

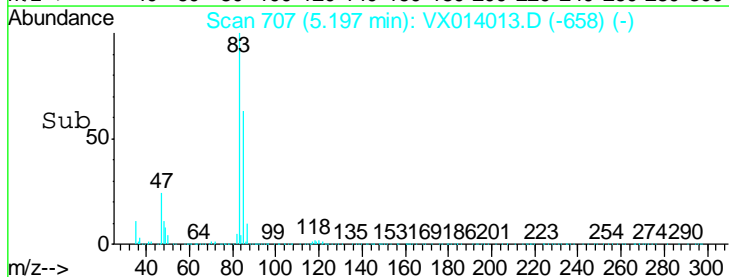
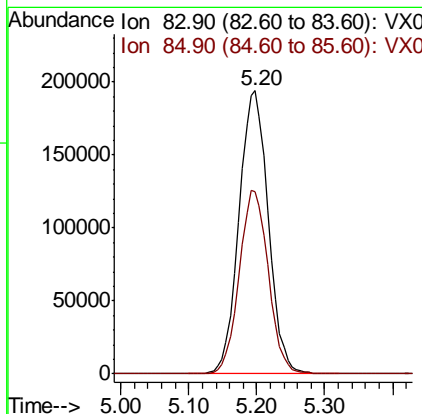
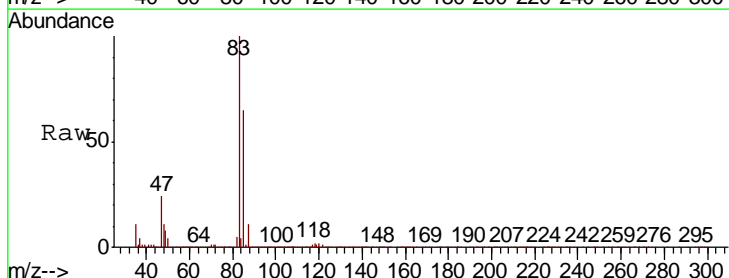
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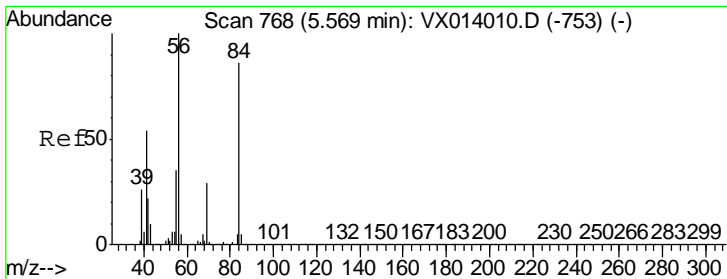
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#30
 Chloroform
 Concen: 51.813 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.4	50.8	76.2





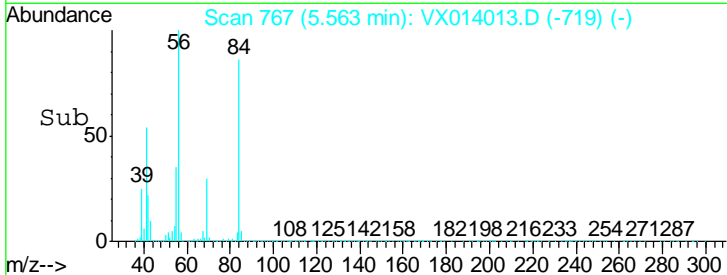
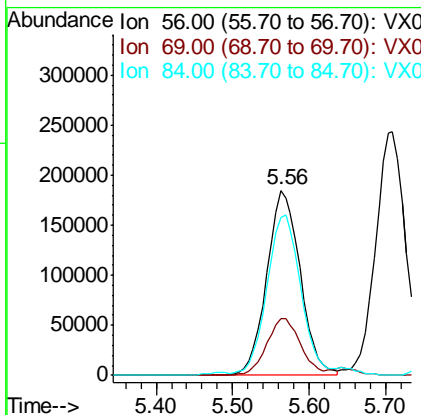
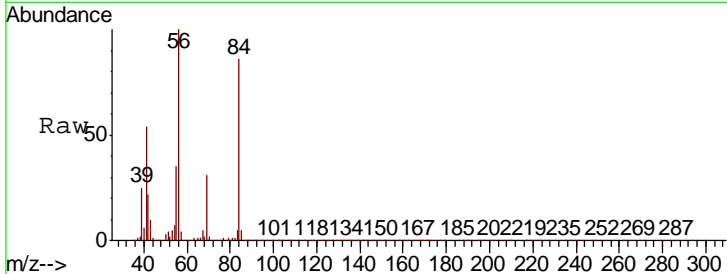
#31
 Cyclohexane
 Concen: 53.196 ug/l
 RT: 5.56 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX121319

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.3	23.2	34.8
84	85.5	69.2	103.8

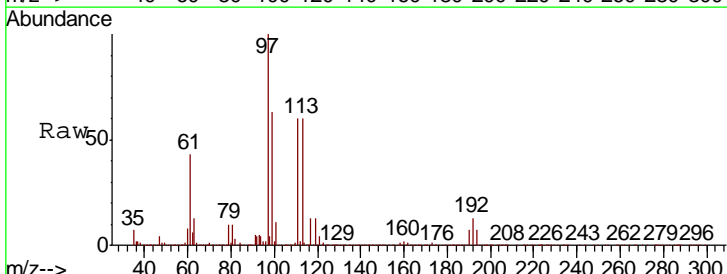
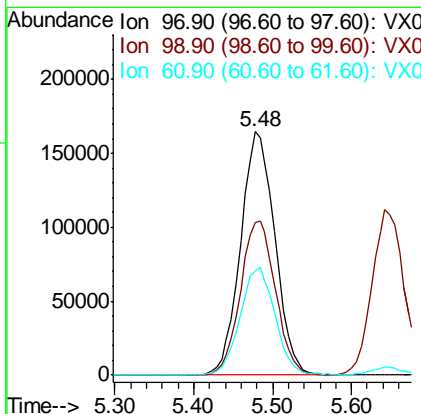
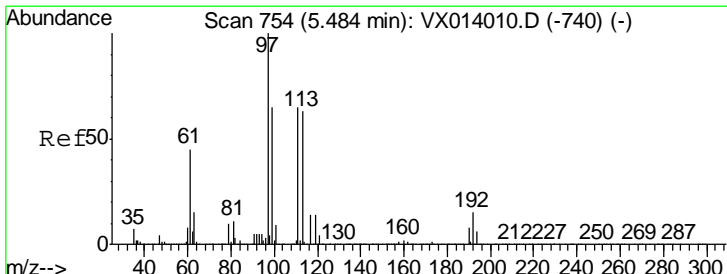
Manual Integrations
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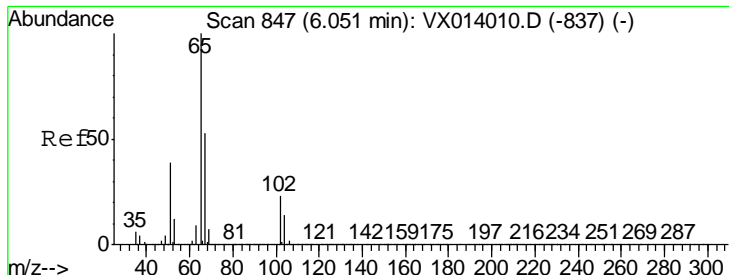
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#32
 1,1,1-Trichloroethane
 Concen: 52.170 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	44.9	36.7	55.1



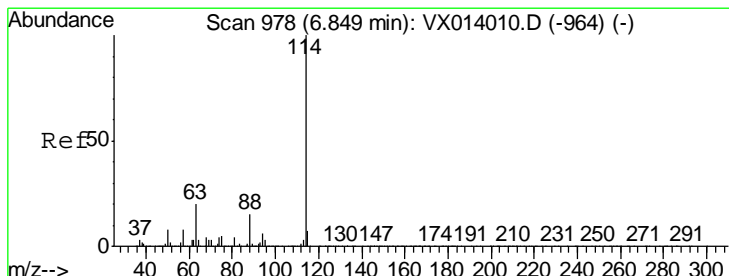
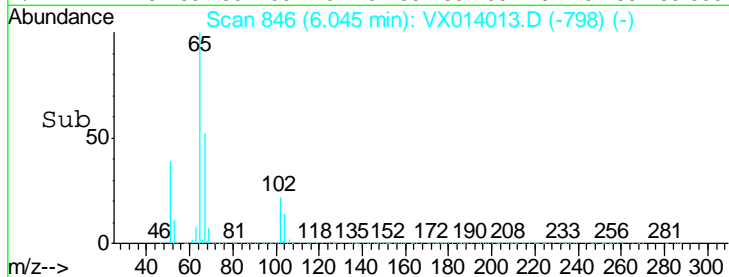
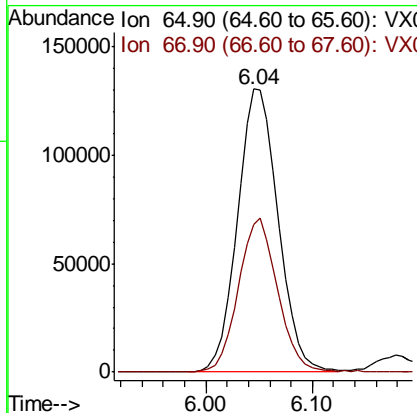
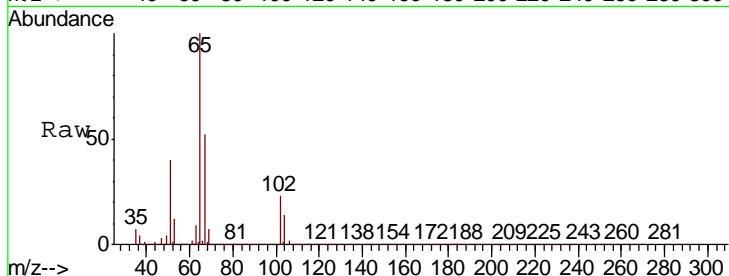


#33
 1,2-Dichloroethane-d4
 Concen: 49.379 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
65	347593		
67	52.5	0.0	106.4

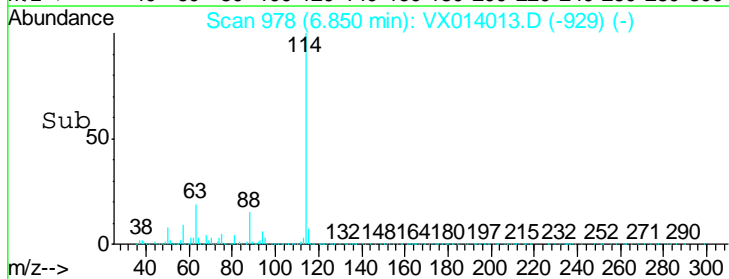
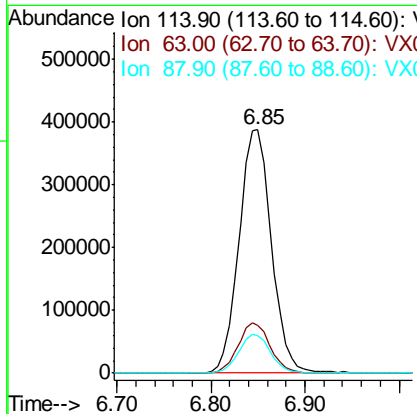
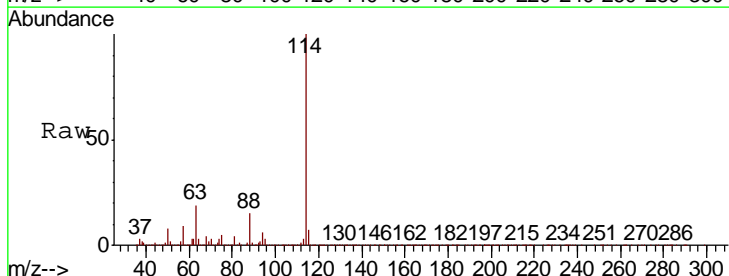
Instrument : MSVOA_X
 Client Sampled : ICVVX121319

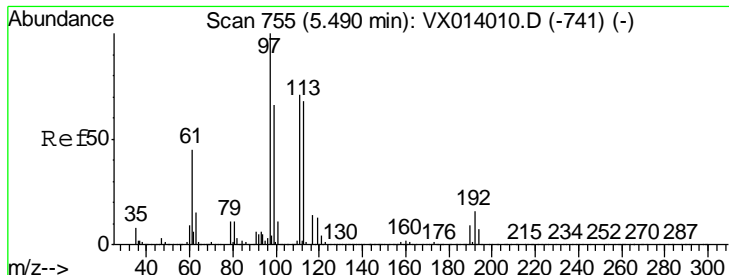
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
114	932469		
63	19.4	0.0	40.8
88	15.4	0.0	30.4





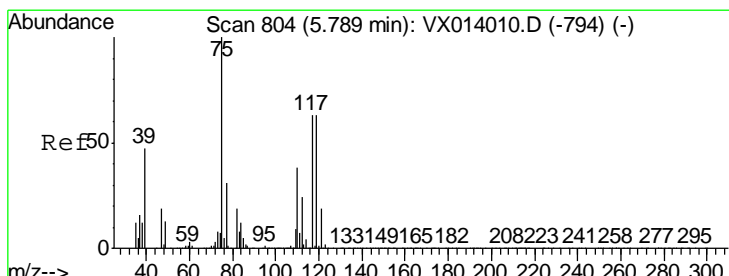
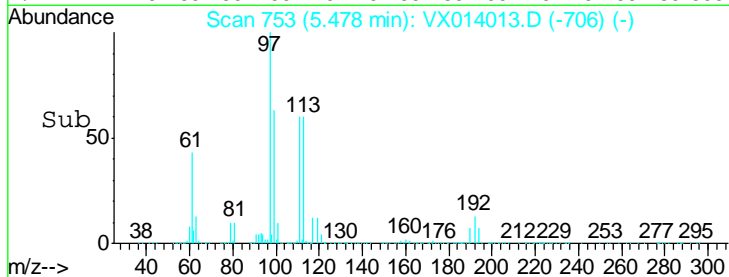
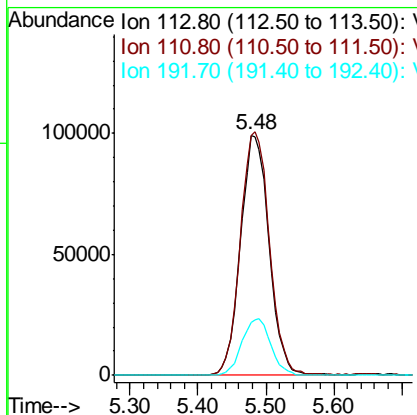
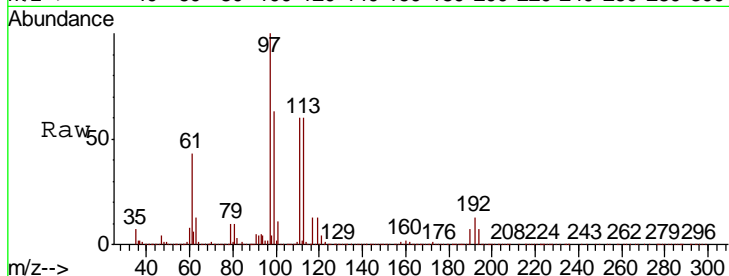
#35
 Dibromofluoromethane
 Concen: 51.165 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX121319

Tgt Ion	Resp	Lower	Upper
113	290025		
113	100		
111	103.1	82.0	123.0
192	23.6	19.3	28.9

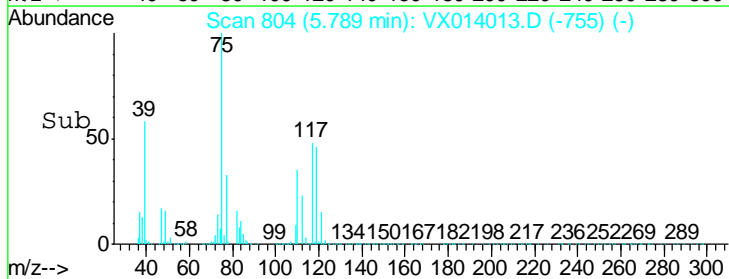
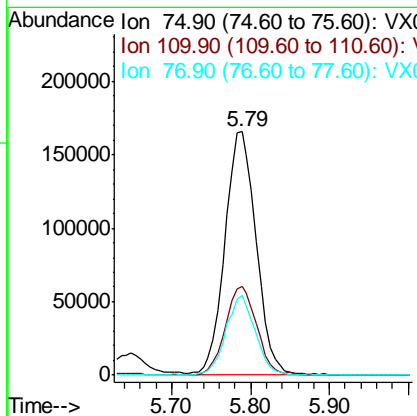
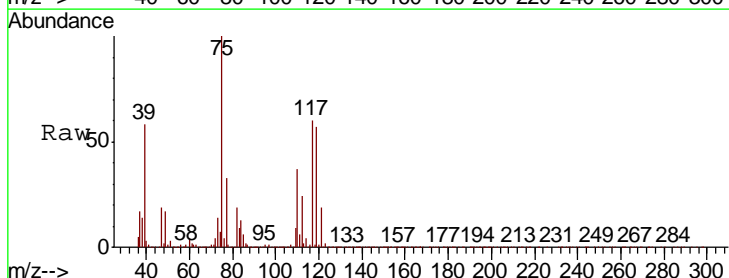
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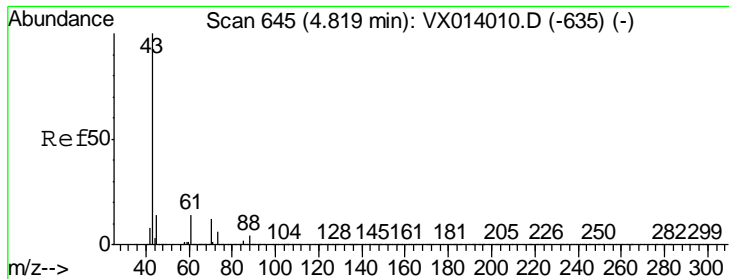
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#36
 1,1-Dichloropropene
 Concen: 53.063 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
75	454000		
75	100		
110	36.5	18.3	54.9
77	30.4	24.8	37.2





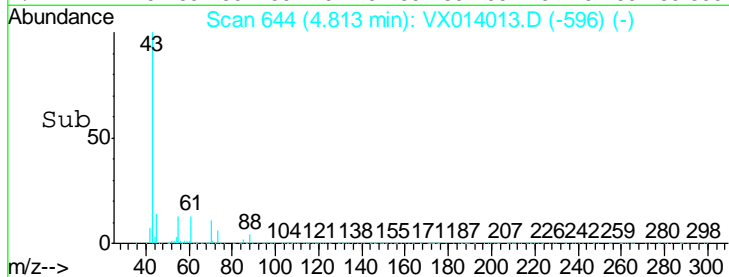
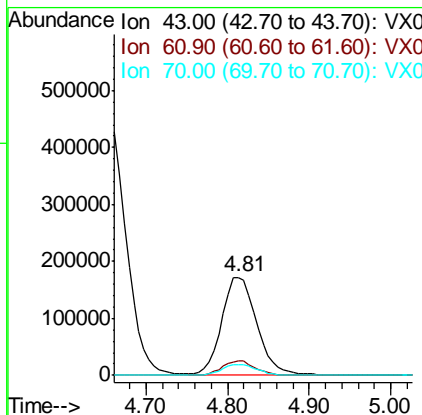
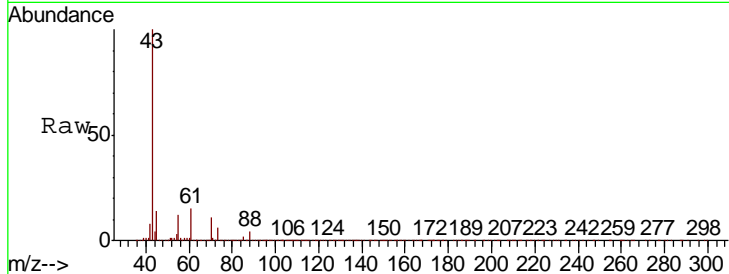
#37
Ethyl Acetate
Concen: 53.892 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014013.D
Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	10.8	8.6	12.8

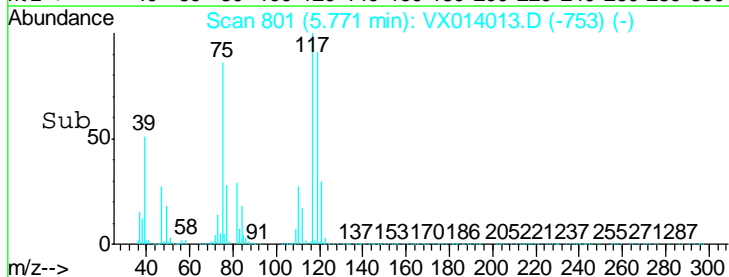
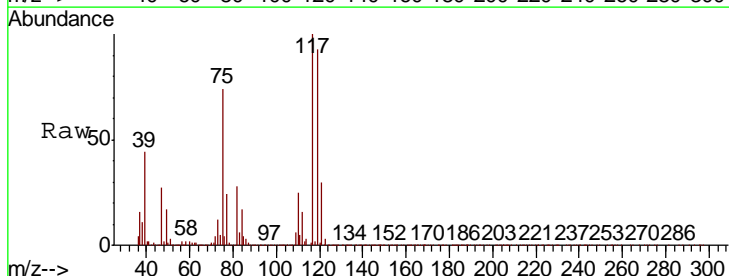
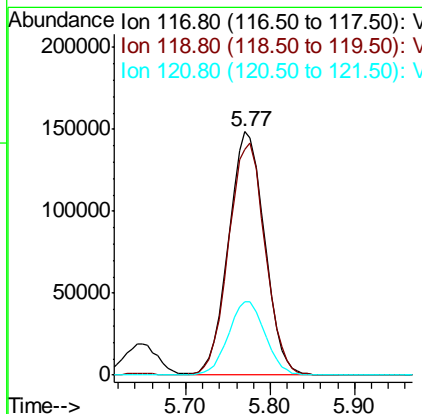
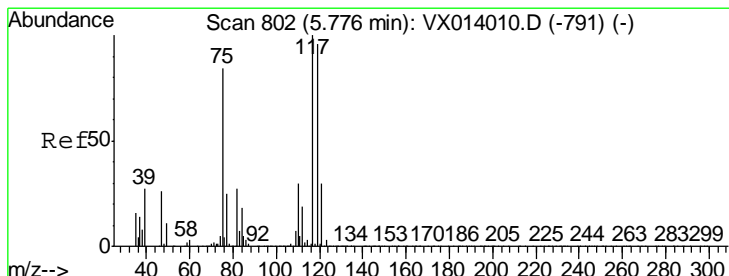
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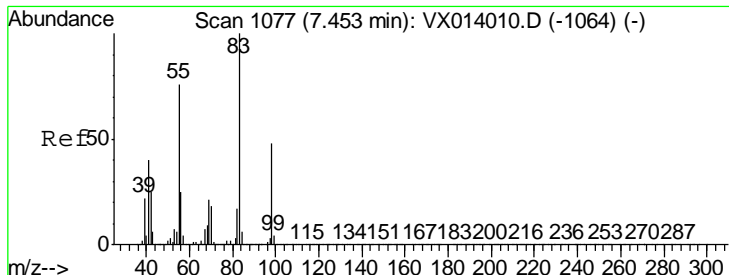
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#38
Carbon Tetrachloride
Concen: 55.084 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014013.D
Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
117	100		
119	92.7	76.2	114.4
121	30.4	23.6	35.4





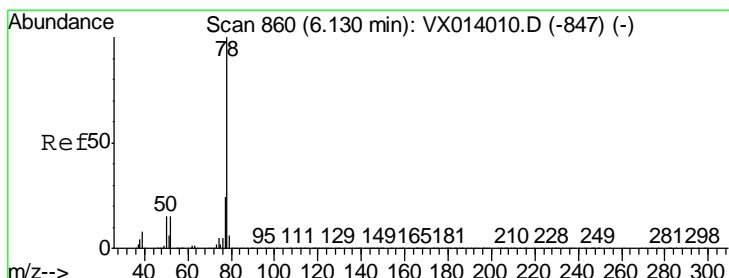
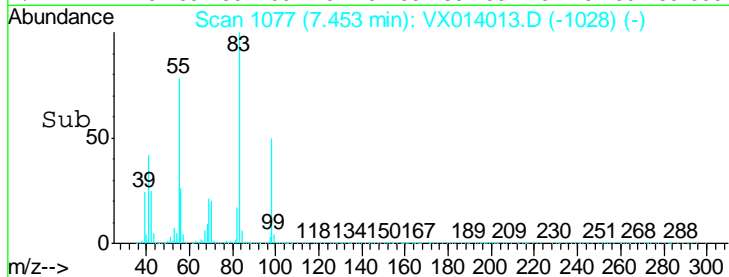
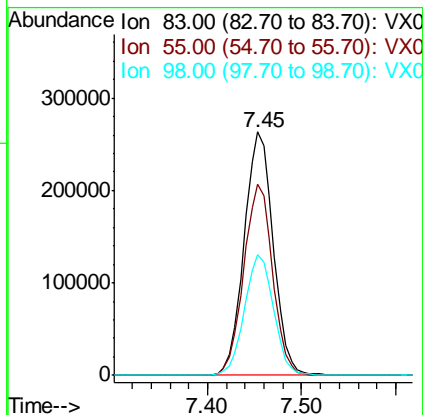
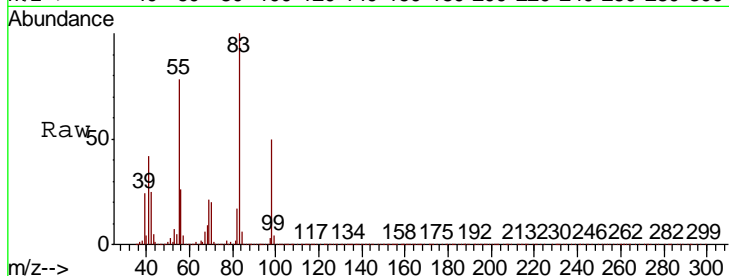
#39
 Methylcyclohexane
 Concen: 54.011 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
83	570596		
83	100		
55	78.2	61.0	91.6
98	49.6	38.6	57.8

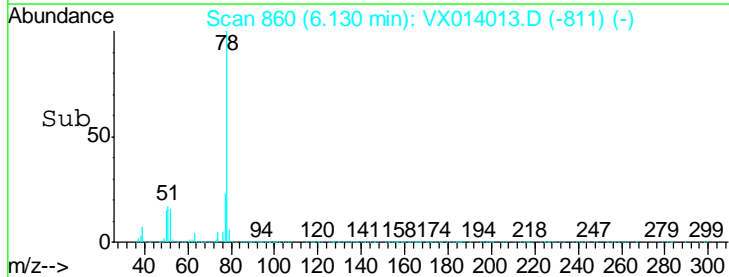
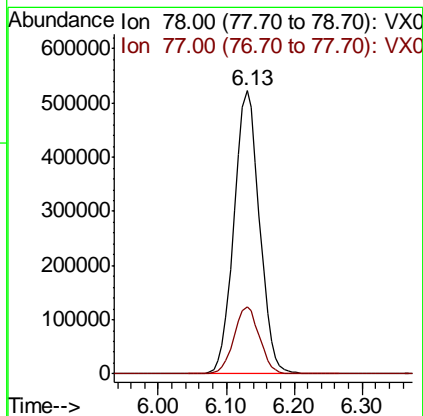
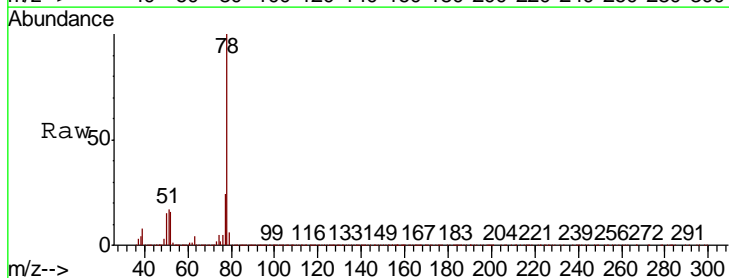
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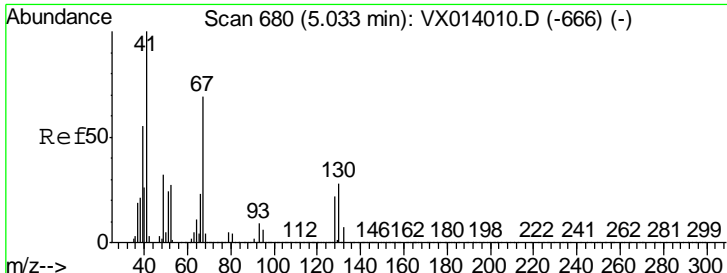
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#40
 Benzene
 Concen: 51.683 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

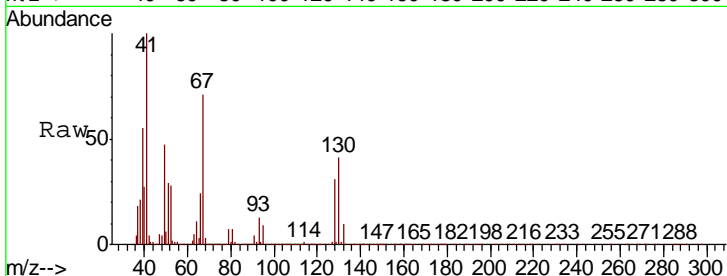
Tgt Ion	Resp	Lower	Upper
78	1360588		
78	100		
77	23.7	18.8	28.2





#41
 Methacrylonitrile
 Concen: 53.997 ug/l
 RT: 5.02 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX121319

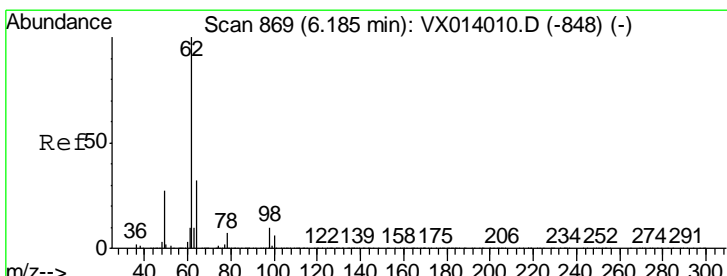
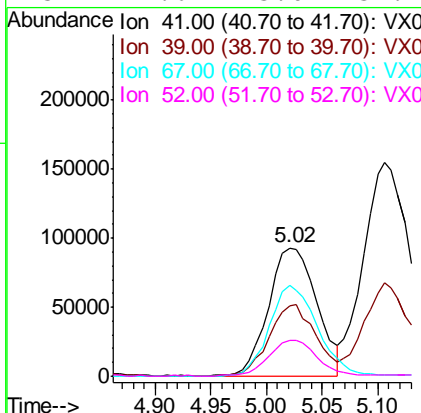
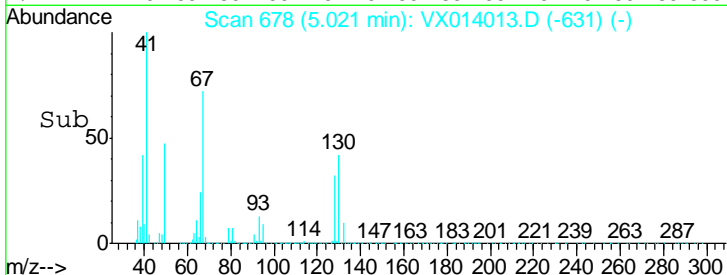


Tgt Ion: 41 Resp: 283070

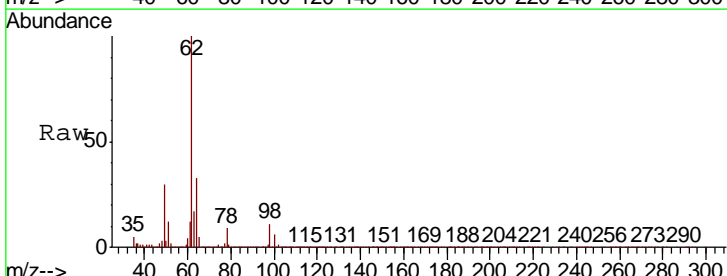
Ion	Ratio	Lower	Upper
41	100		
39	52.9	44.5	66.7
67	70.3	57.4	86.0
52	27.6	23.0	34.4

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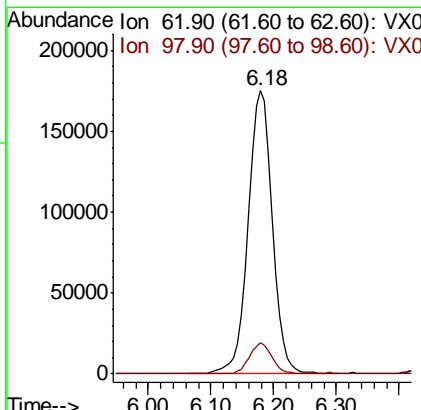
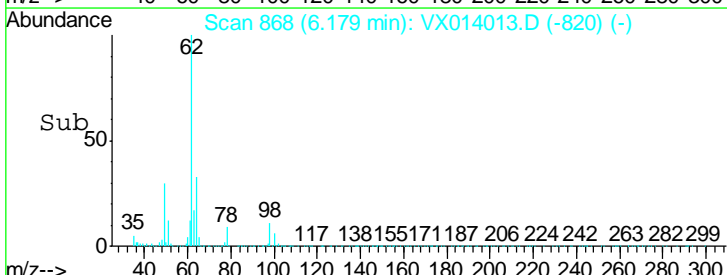


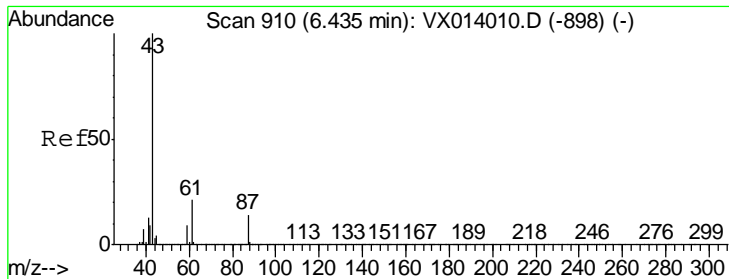
#42
 1,2-Dichloroethane
 Concen: 52.570 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00



Tgt Ion: 62 Resp: 469125

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





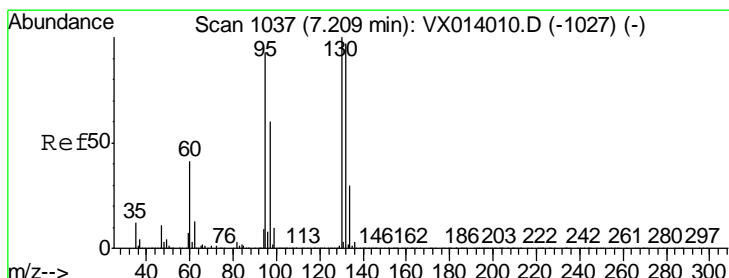
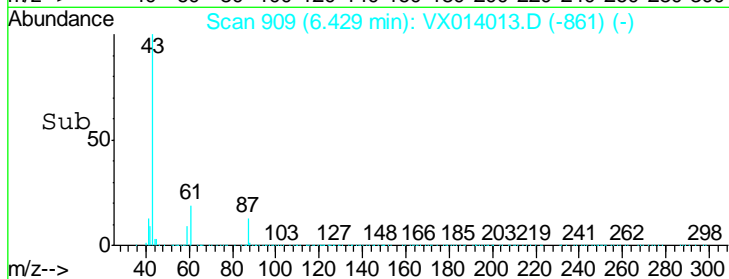
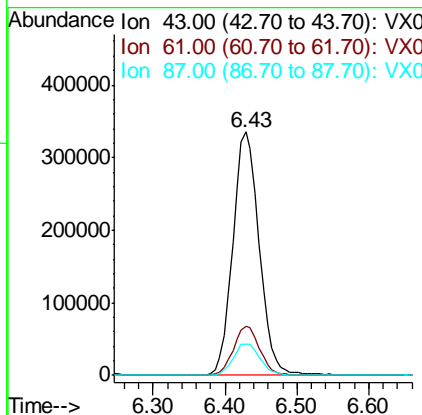
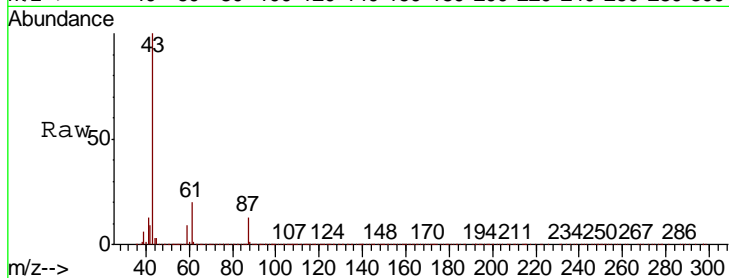
#43
 Isopropyl Acetate
 Concen: 54.361 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.1	16.4	24.6
87	13.2	10.7	16.1

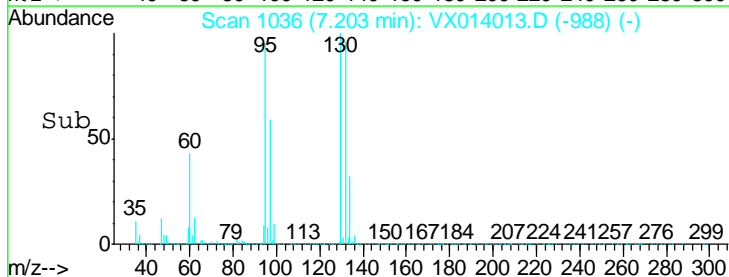
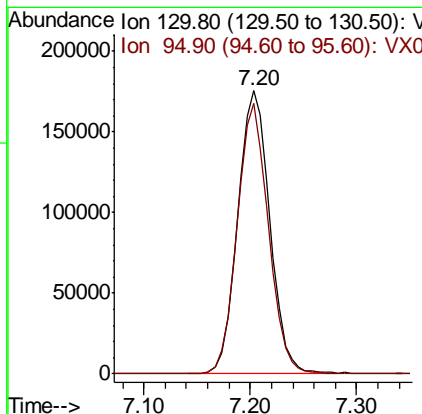
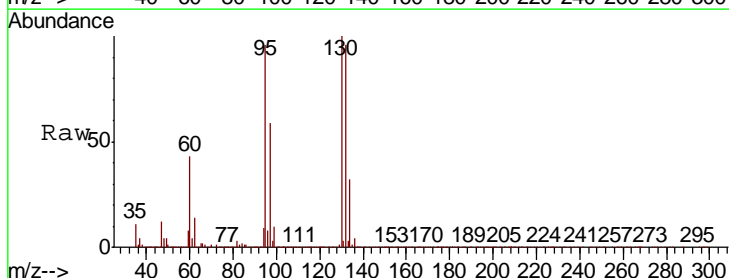
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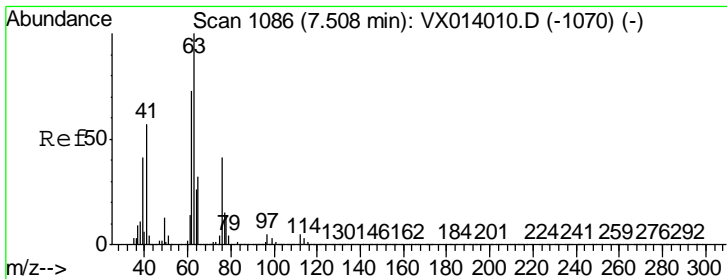
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#44
 Trichloroethene
 Concen: 51.035 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.5	0.0	185.6





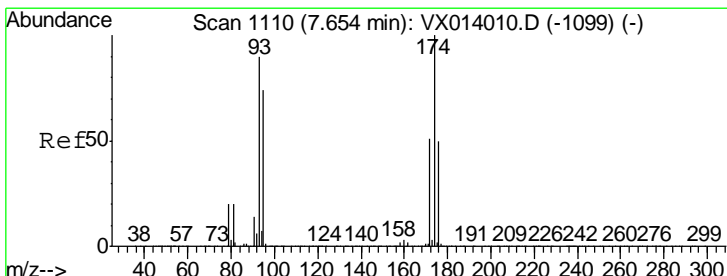
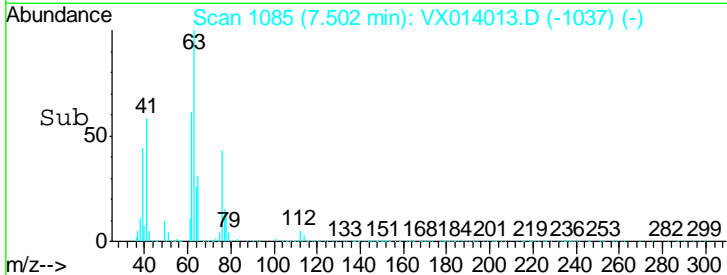
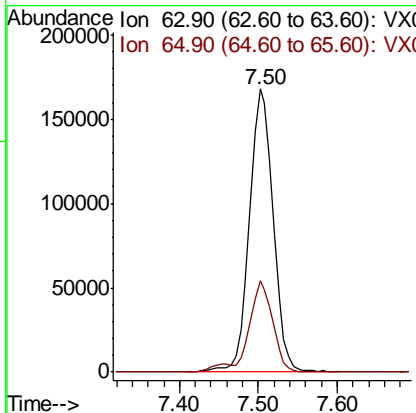
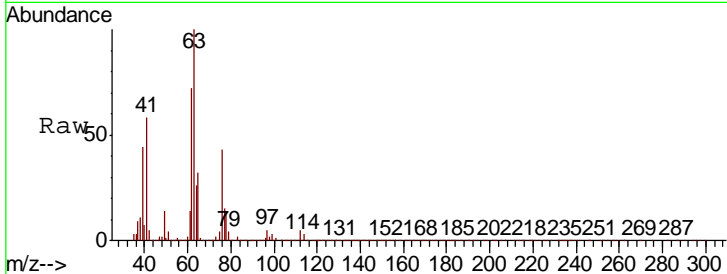
#45
 1,2-Dichloropropane
 Concen: 51.894 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
63	350152		
63	100		
65	32.4	25.8	38.8

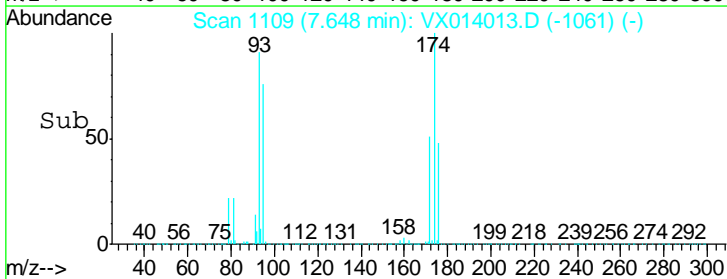
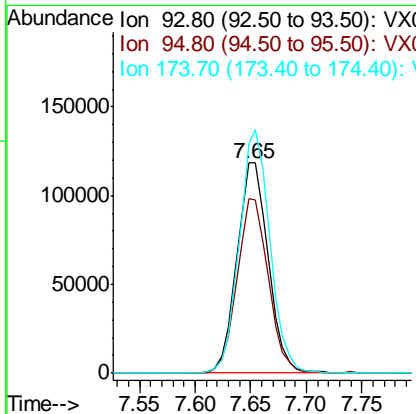
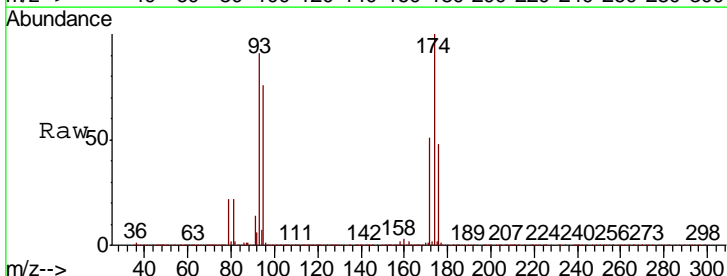
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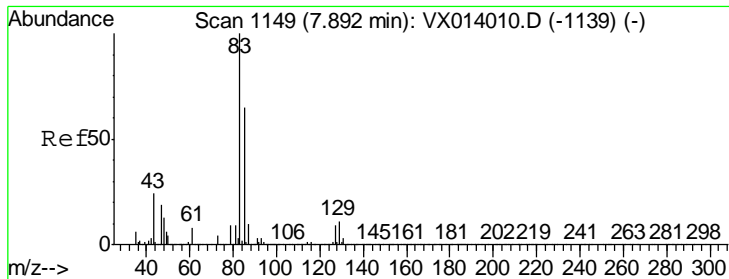
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#46
 Dibromomethane
 Concen: 51.535 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
93	229903		
93	100		
95	82.7	67.3	100.9
174	114.0	91.6	137.4

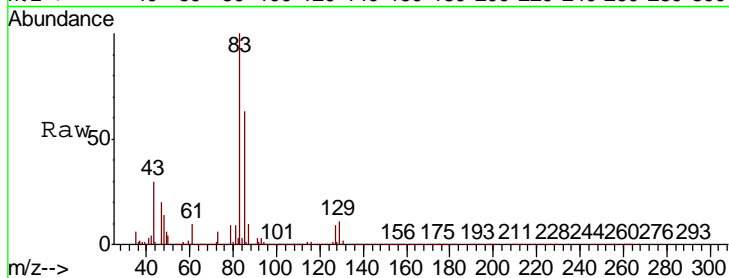




#47

Bromodichloromethane
 Concen: 53.914 ug/l
 RT: 7.89 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

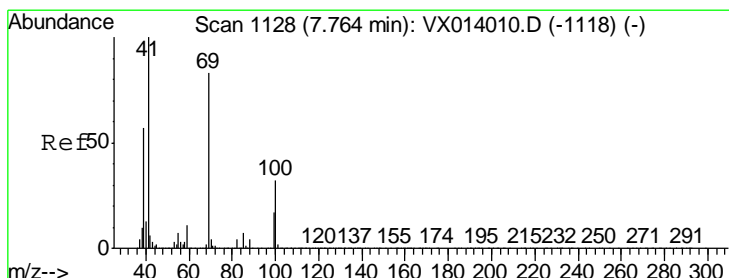
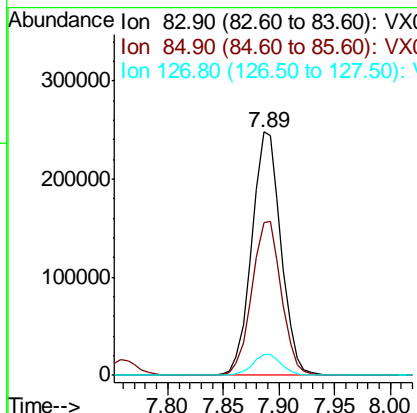
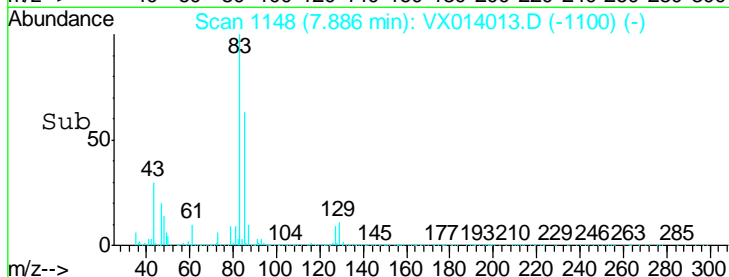
Instrument : MSVOA_X
 Client Sampled : ICVVX121319



Tgt Ion	Resp	Lower	Upper
83	452971		
83	100		
85	62.8	51.8	77.8
127	8.4	7.0	10.4

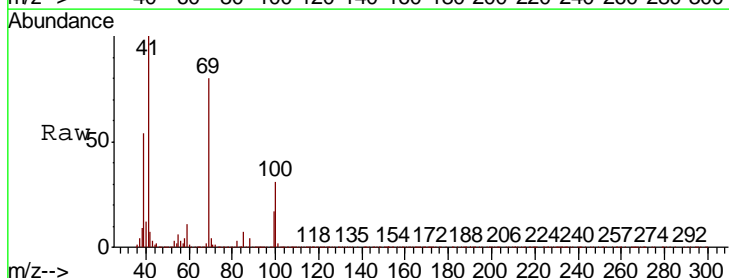
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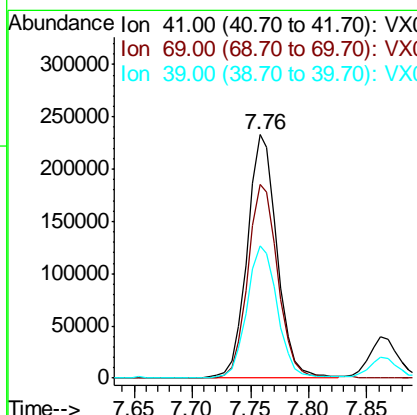
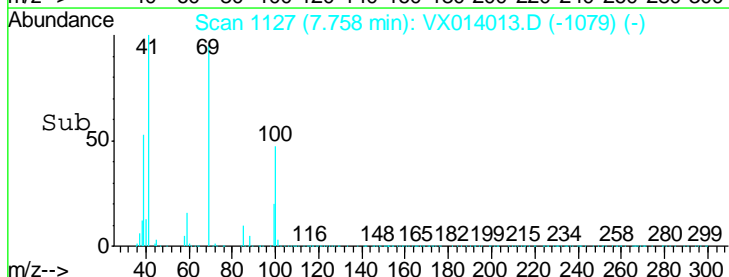


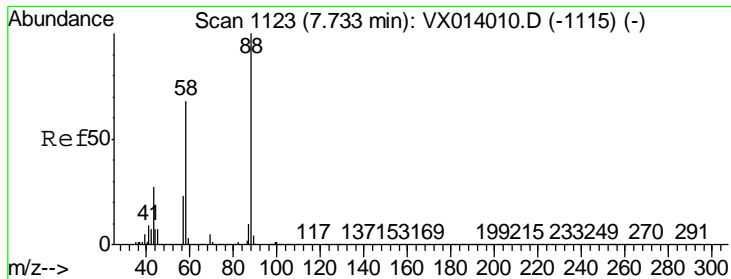
#48

Methyl methacrylate
 Concen: 54.148 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00



Tgt Ion	Resp	Lower	Upper
41	414594		
41	100		
69	80.9	65.8	98.6
39	55.6	44.6	67.0





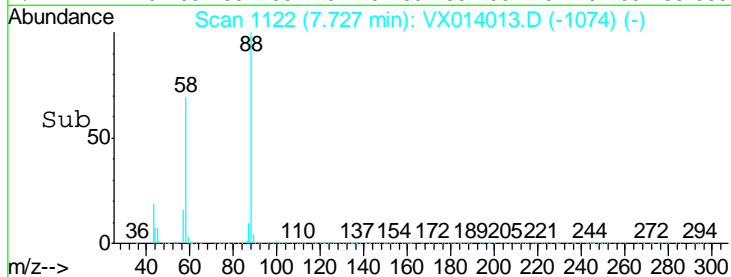
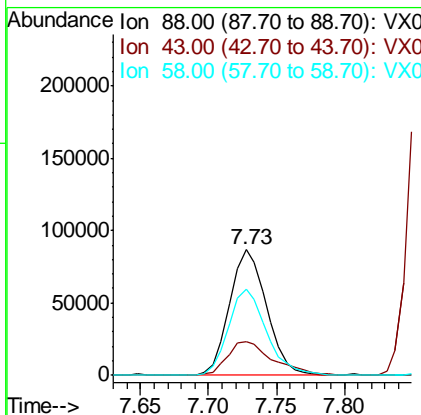
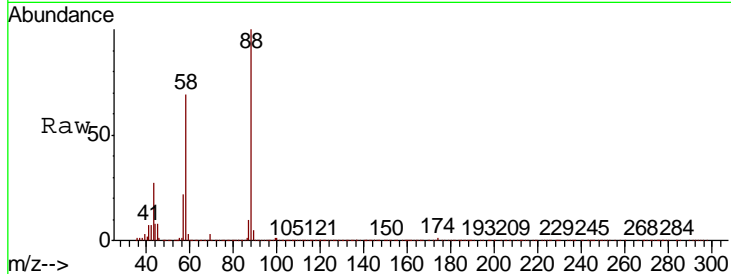
#49
 1,4-Dioxane
 Concen: 1051.128 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
88	163781		
88	100		
43	32.3	26.5	39.7
58	71.6	56.8	85.2

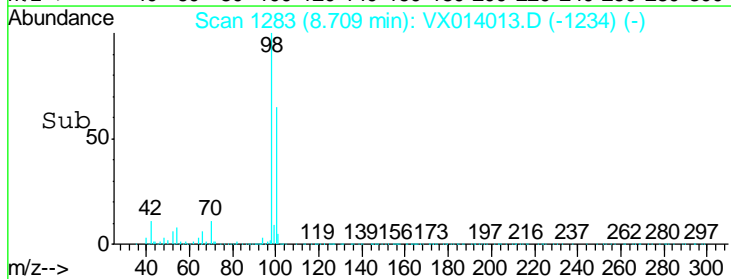
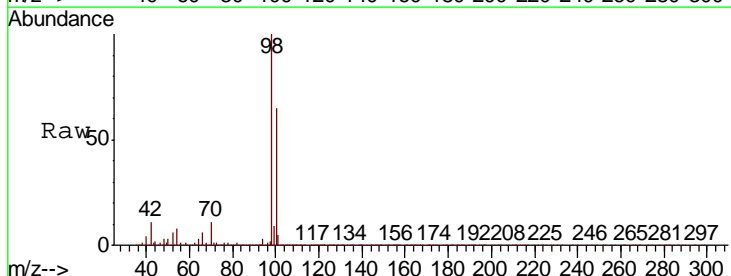
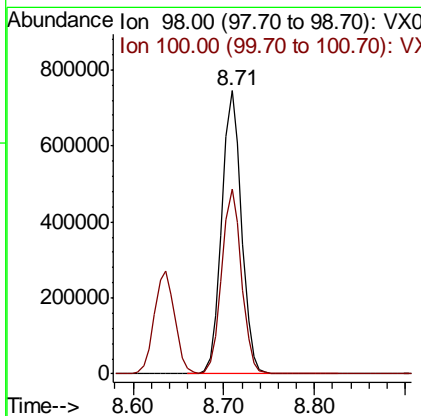
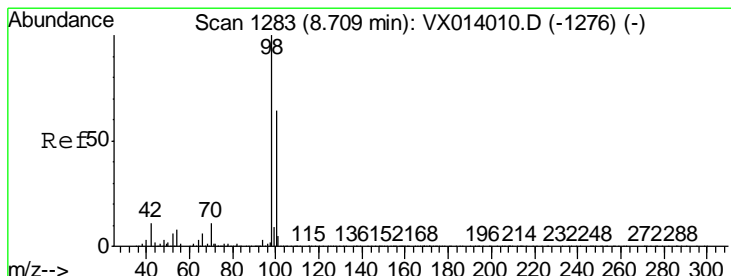
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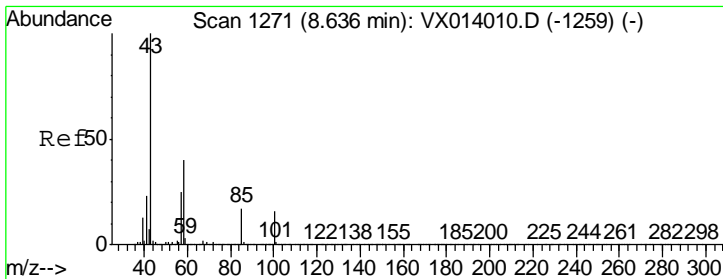
apatel
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#50
 Toluene-d8
 Concen: 51.168 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
98	1129204		
98	100		
100	65.7	52.9	79.3





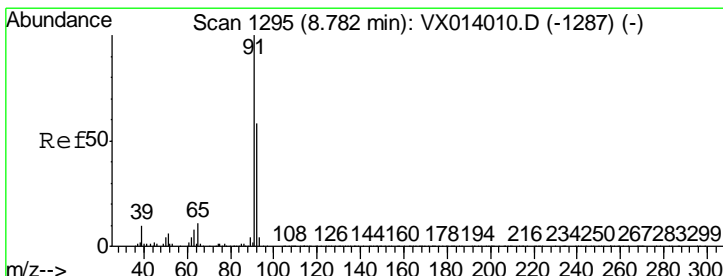
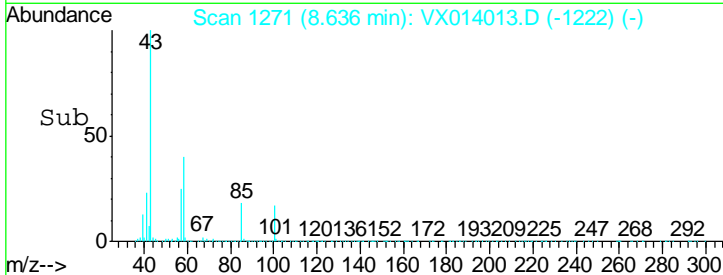
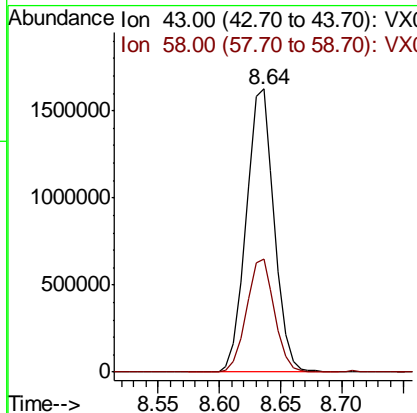
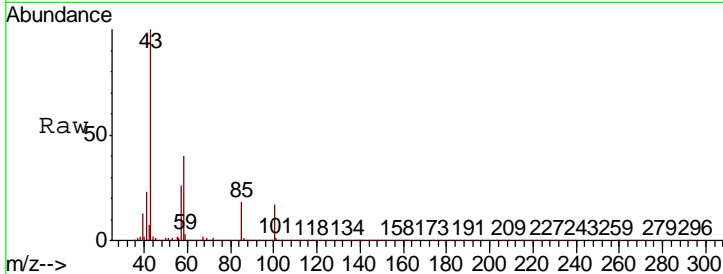
#51
 4-Methyl-2-Pentanone
 Concen: 262.786 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.9	32.2	48.2

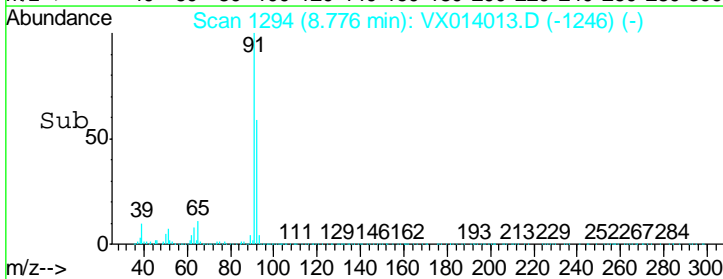
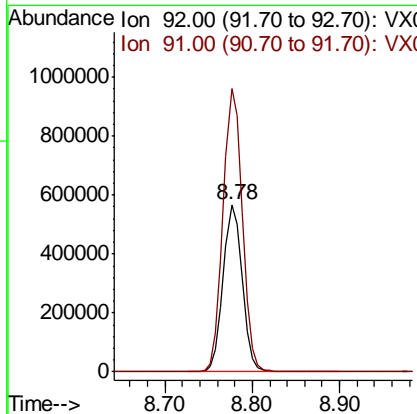
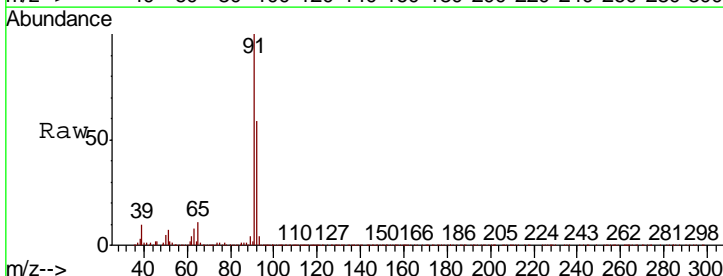
Manual Integrations
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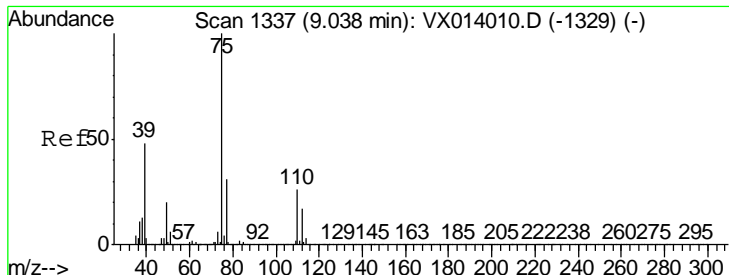
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#52
 Toluene
 Concen: 51.512 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
92	100		
91	171.4	136.2	204.4





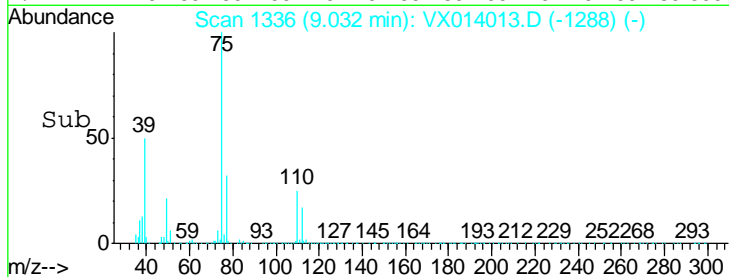
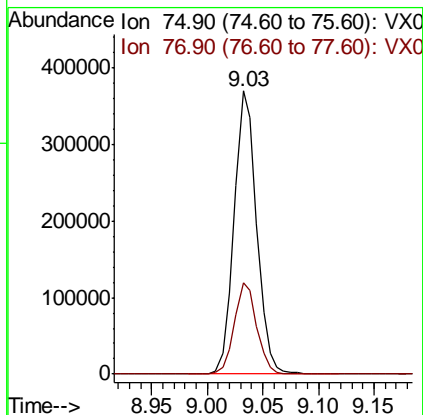
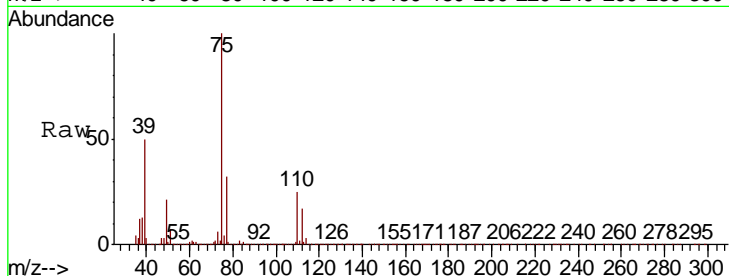
#53
 t-1,3-Dichloropropene
 Concen: 56.109 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.1	25.1	37.7

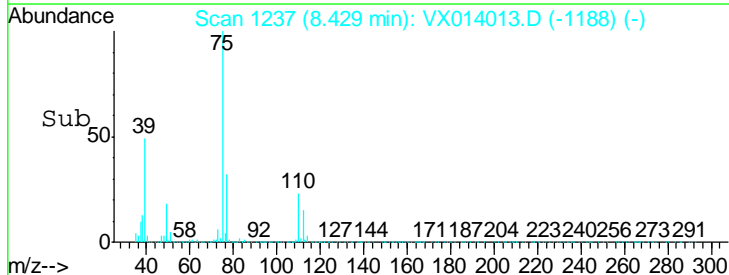
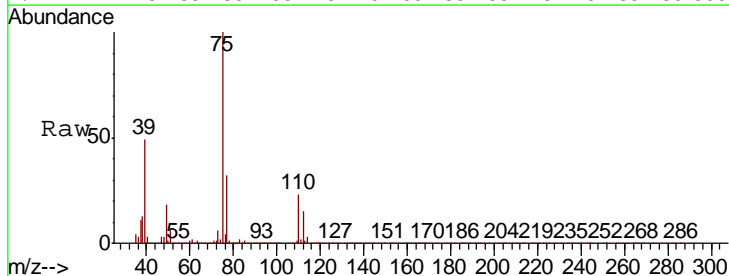
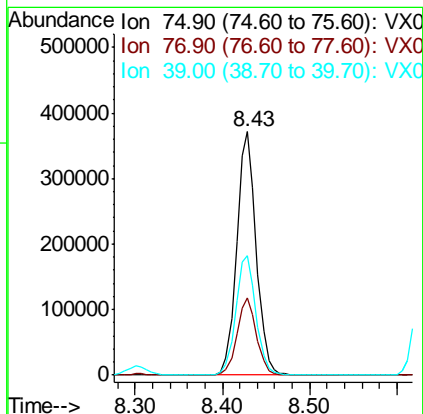
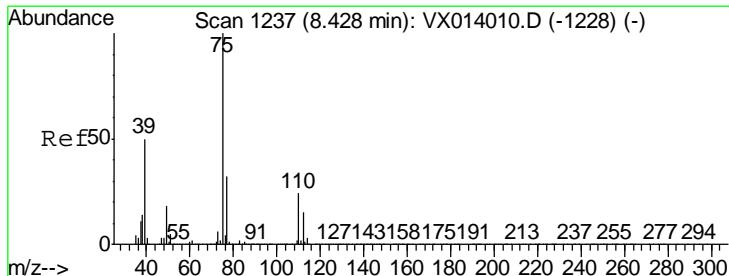
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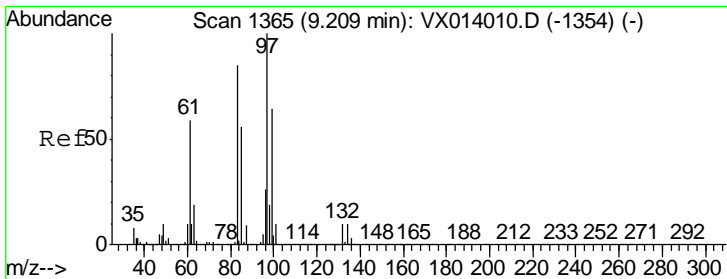
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#54
 cis-1,3-Dichloropropene
 Concen: 56.374 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

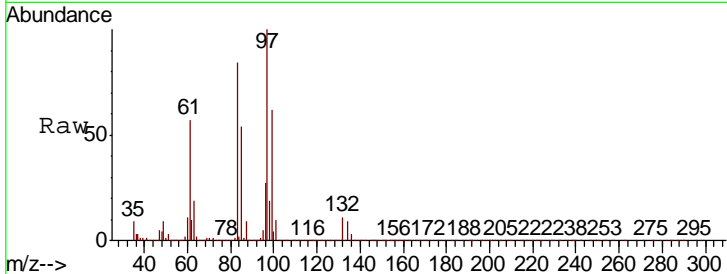
Tgt Ion	Resp	Lower	Upper
75	100		
77	31.9	25.3	37.9
39	49.1	39.9	59.9





#55
 1,1,2-Trichloroethane
 Concen: 51.430 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

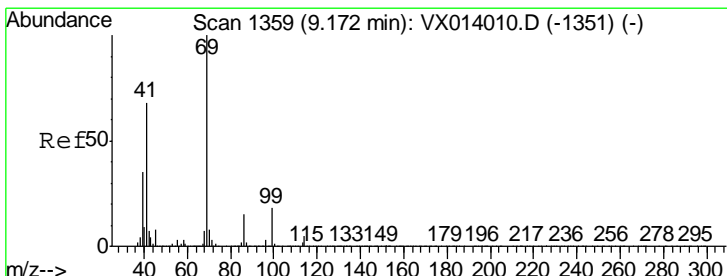
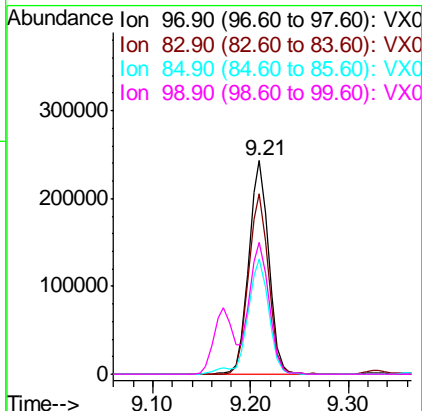
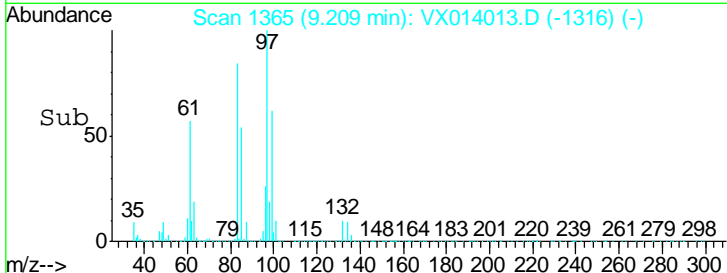
Instrument : MSVOA_X
 Client Sampled : ICVVX121319



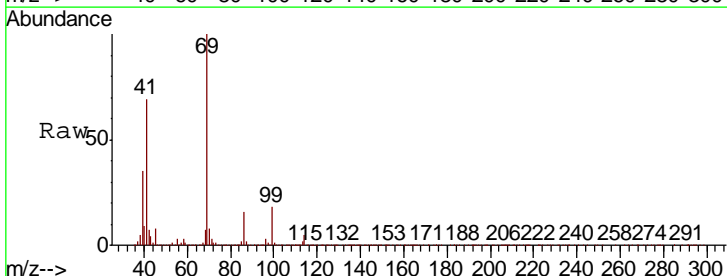
Tgt Ion	Resp	Lower	Upper
97	100		
83	84.3	68.2	102.4
85	53.8	44.6	66.8
99	61.9	51.4	77.0

Manual Integrations
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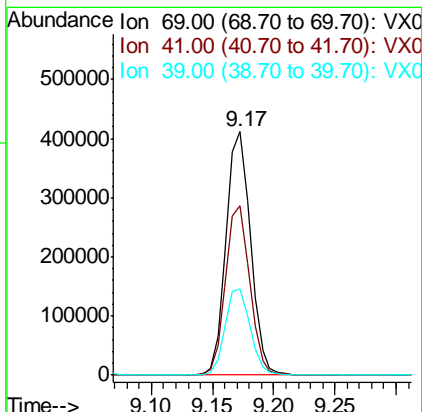
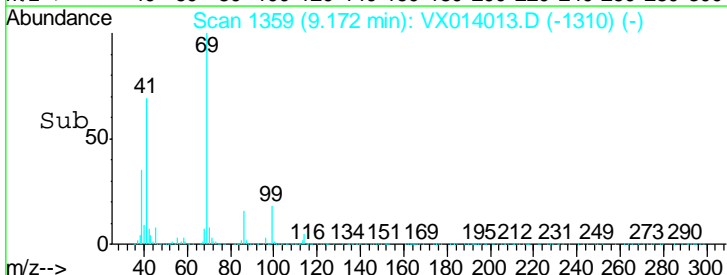
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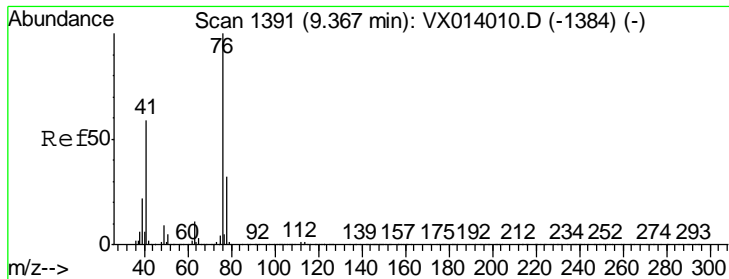


#56
 Ethyl methacrylate
 Concen: 54.481 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00



Tgt Ion	Resp	Lower	Upper
69	100		
41	68.6	54.8	82.2
39	36.2	28.3	42.5





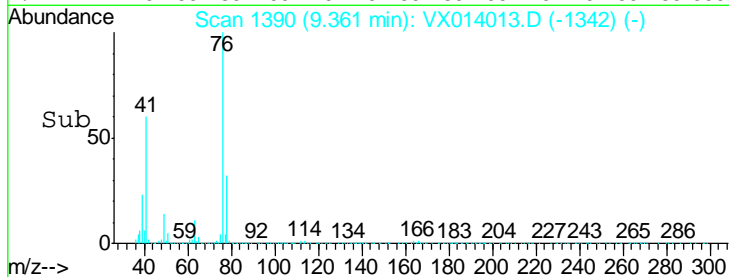
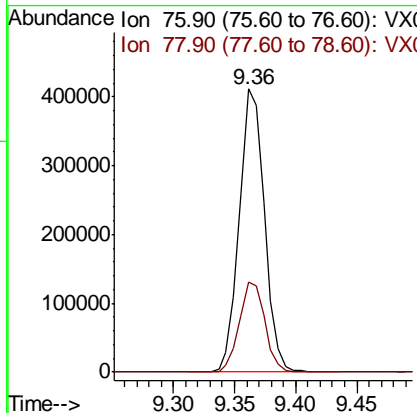
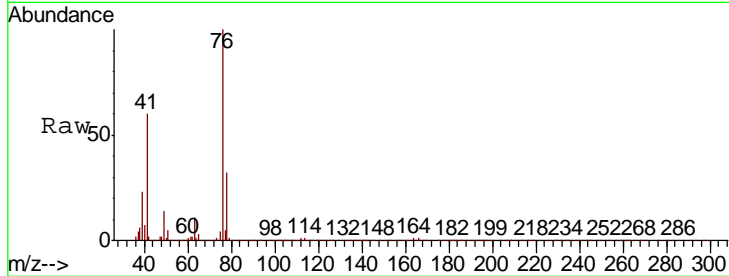
#57
 1,3-Dichloropropane
 Concen: 52.245 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
76	586215		
76	100		
78	32.2	25.8	38.6

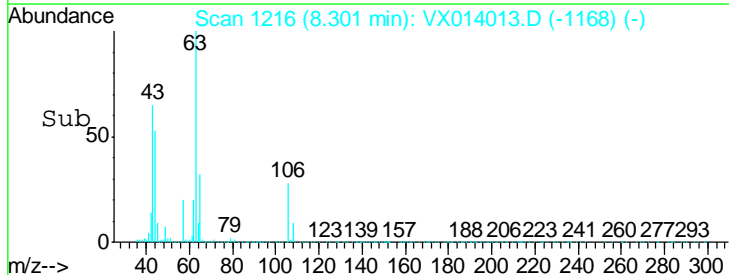
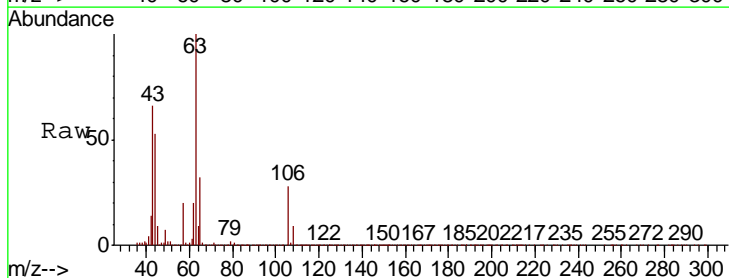
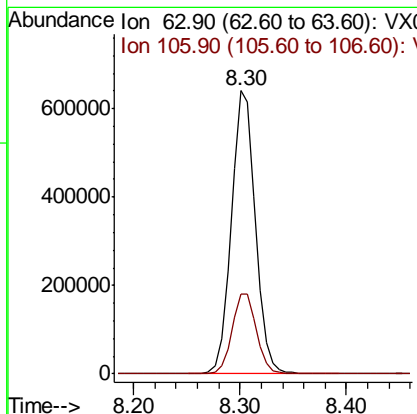
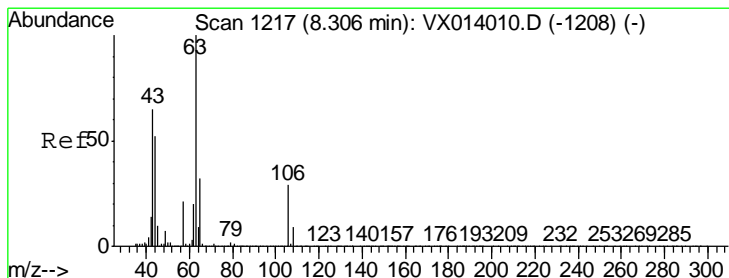
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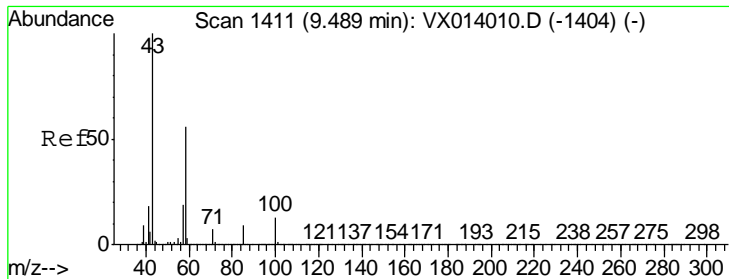
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#58
 2-Chloroethyl Vinyl ether
 Concen: 254.171 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
63	1007644		
63	100		
106	28.8	23.0	34.6





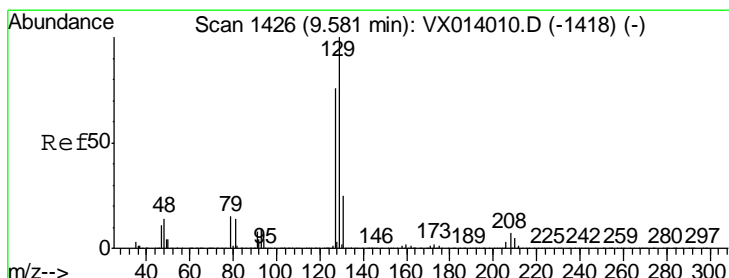
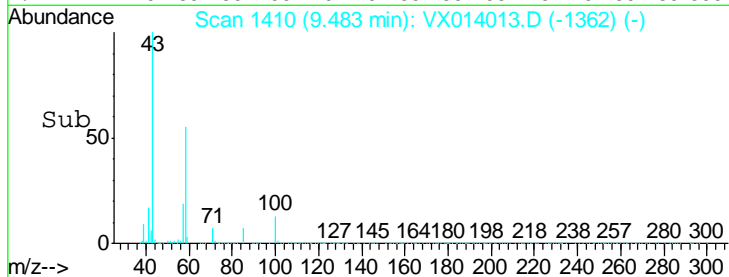
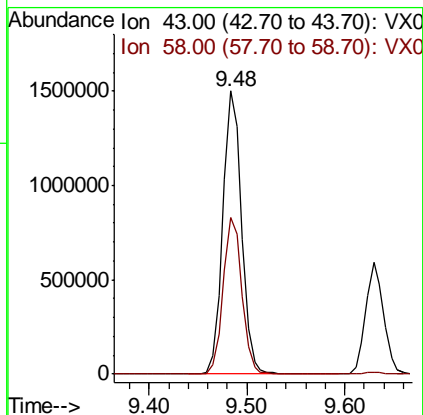
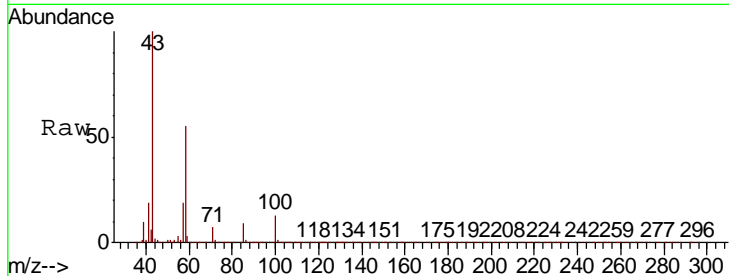
#59
 2-Hexanone
 Concen: 252.423 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.6	28.0	84.0

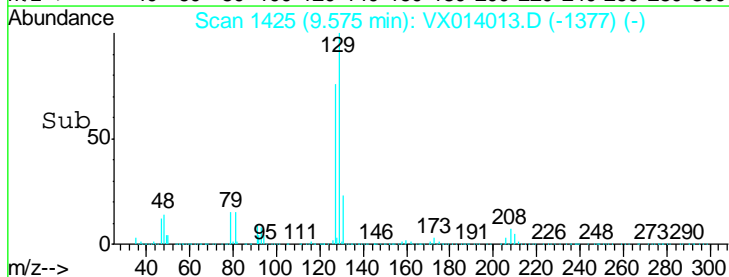
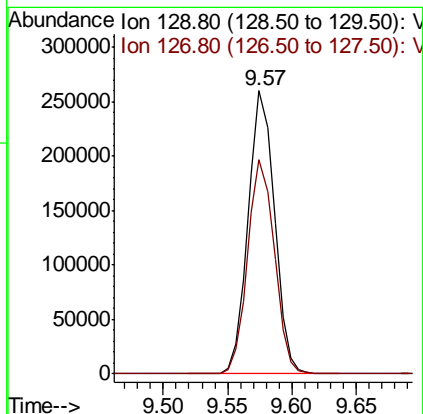
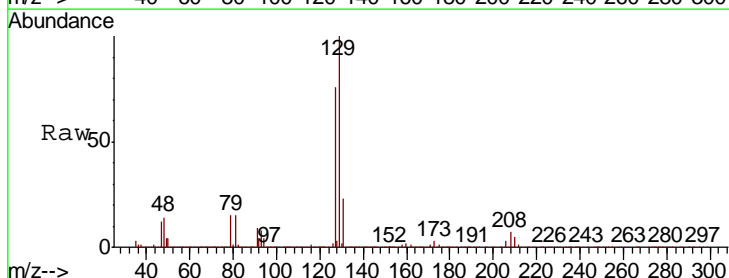
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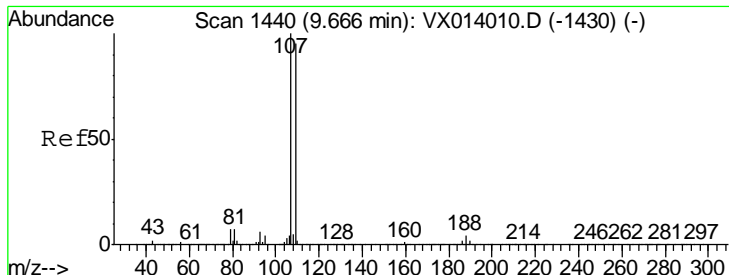
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#60
 Dibromochloromethane
 Concen: 55.271 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.6	38.4	115.2





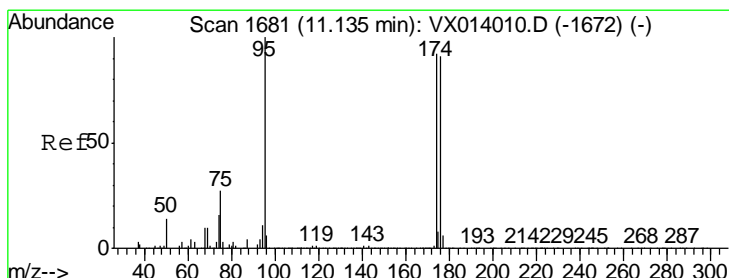
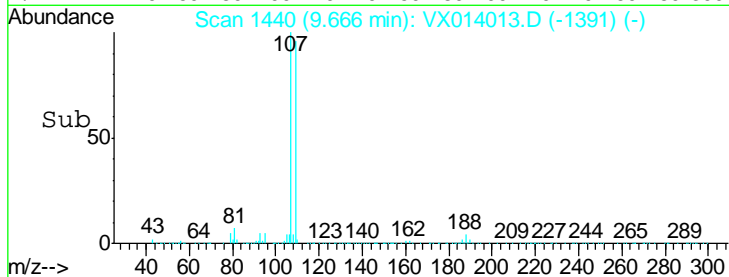
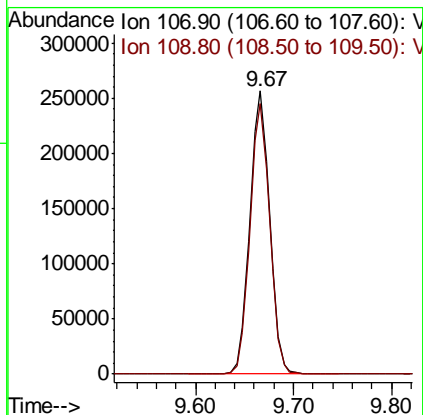
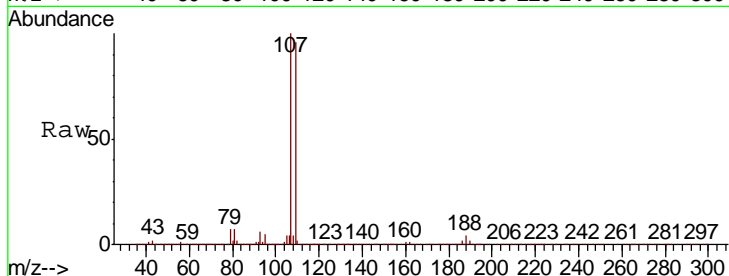
#61
 1,2-Dibromoethane
 Concen: 52.886 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.0	75.7	113.5

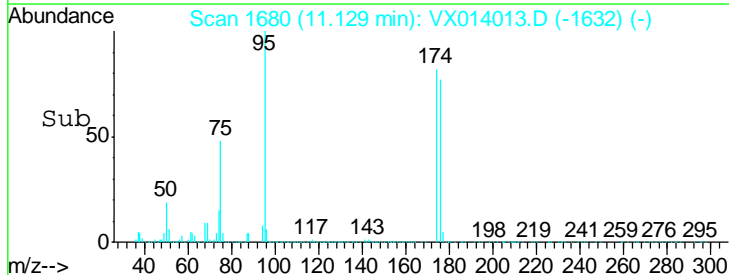
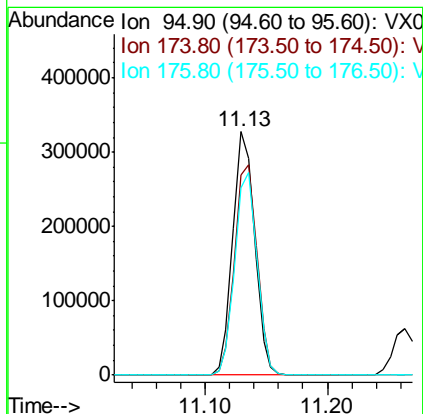
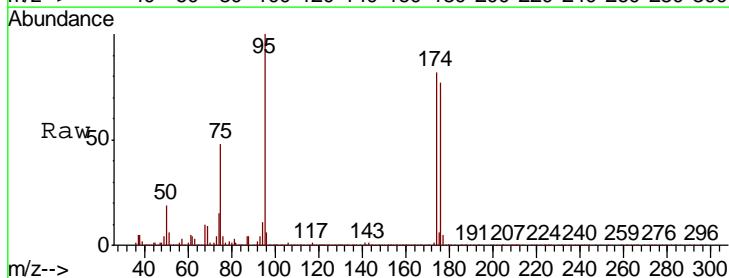
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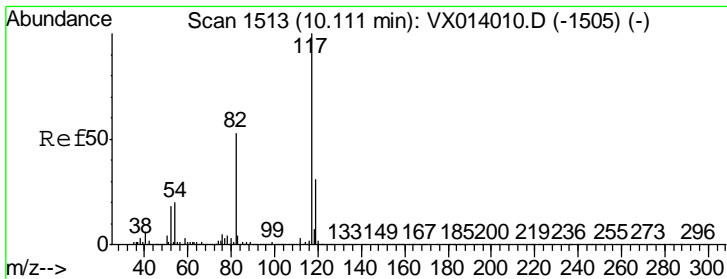
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#62
 4-Bromofluorobenzene
 Concen: 50.095 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

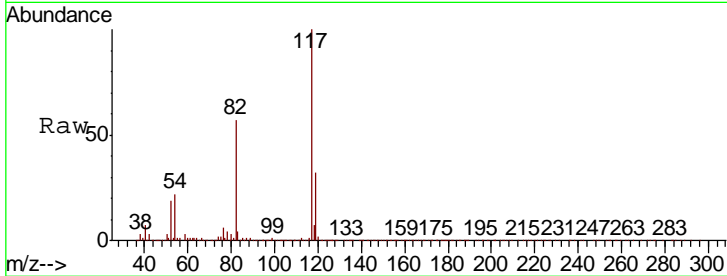
Tgt Ion	Resp	Lower	Upper
95	100		
174	89.2	0.0	175.8
176	84.7	0.0	173.0





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX121319

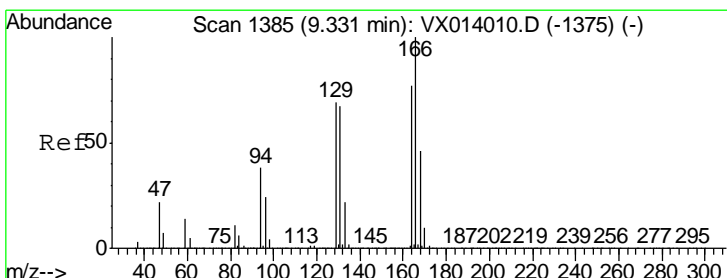
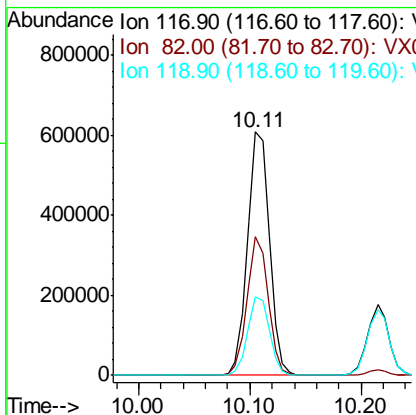
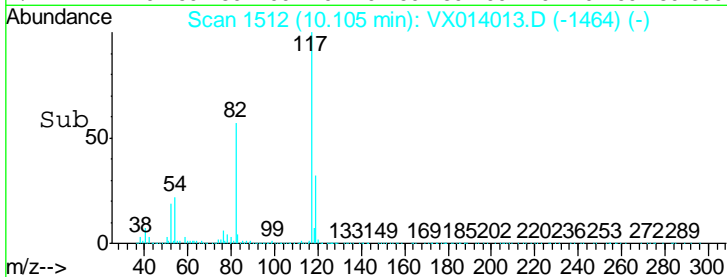


Tgt Ion: 117 Resp: 835490

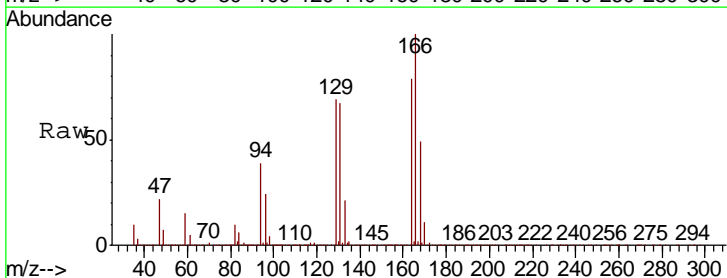
Ion	Ratio	Lower	Upper
117	100		
82	56.7	42.2	63.4
119	32.0	25.1	37.7

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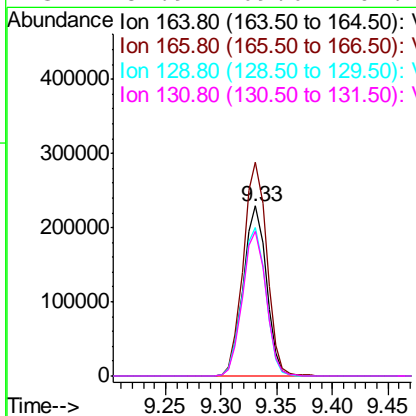
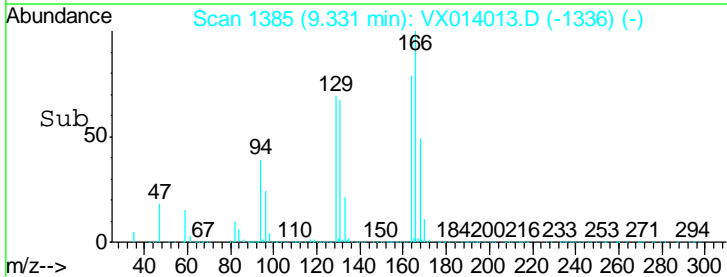


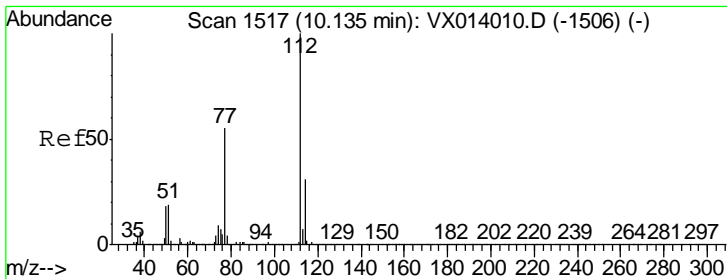
#64
 Tetrachloroethene
 Concen: 44.918 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00



Tgt Ion: 164 Resp: 332078

Ion	Ratio	Lower	Upper
164	100		
166	125.8	104.0	156.0
129	87.0	72.2	108.4
131	84.9	69.6	104.4



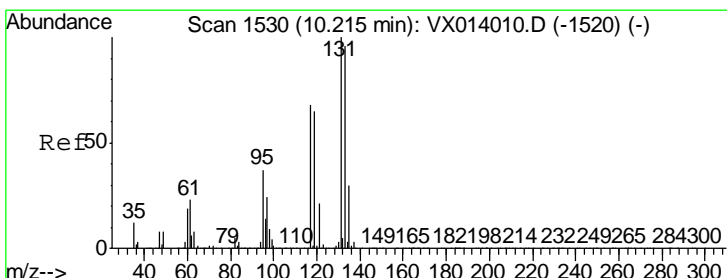
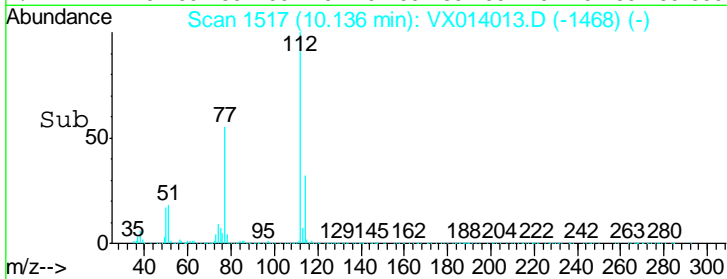
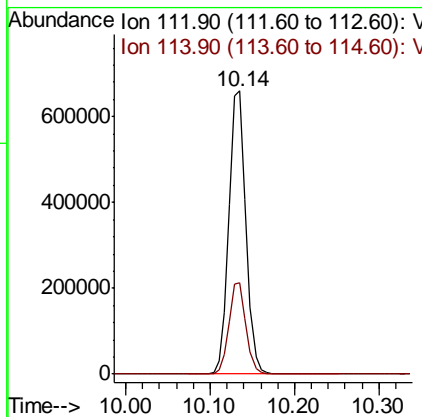
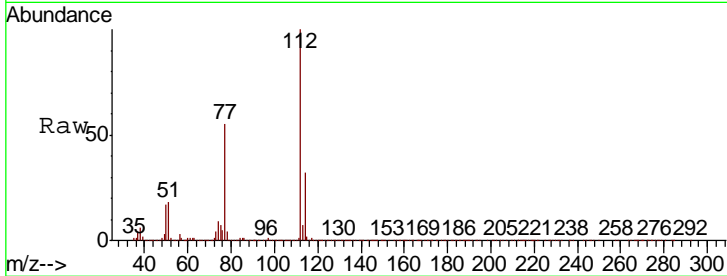


#65
 Chlorobenzene
 Concen: 51.674 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

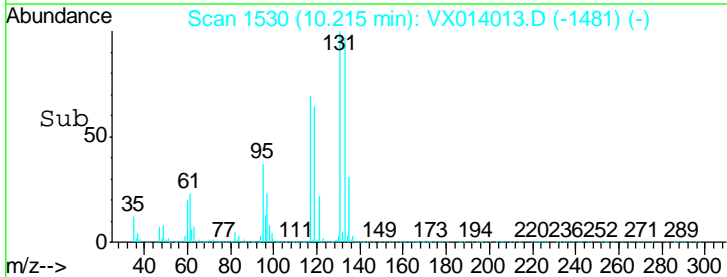
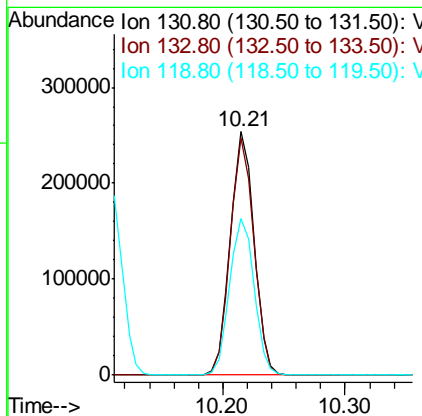
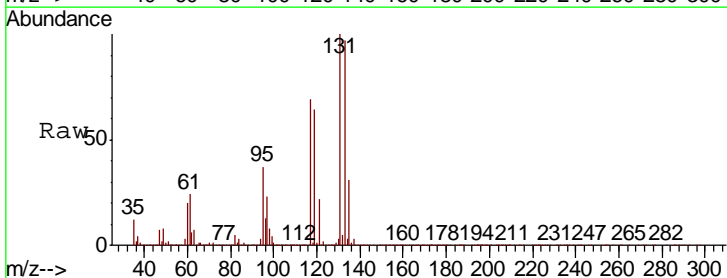
Tgt Ion	Resp	Lower	Upper
112	917959		
114	32.2	24.9	37.3

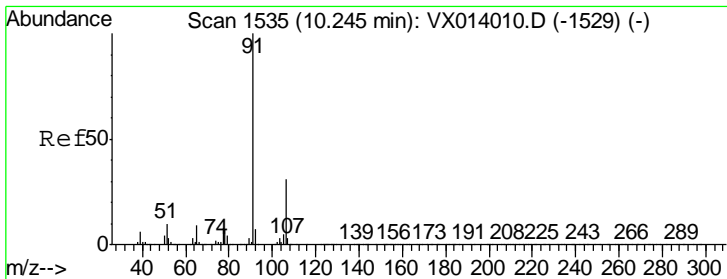
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.581 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
131	339861		
133	96.8	48.0	144.0
119	66.2	33.4	100.2





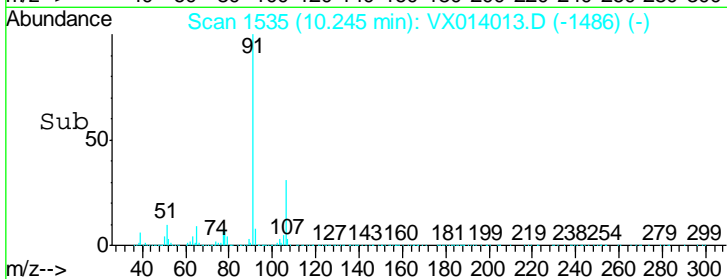
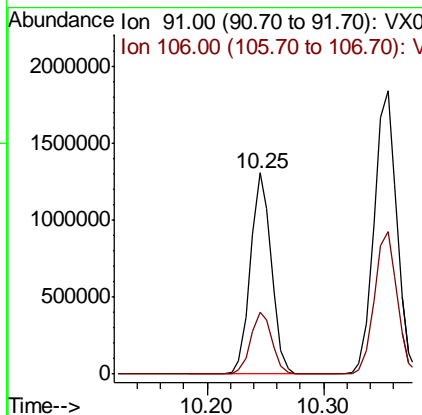
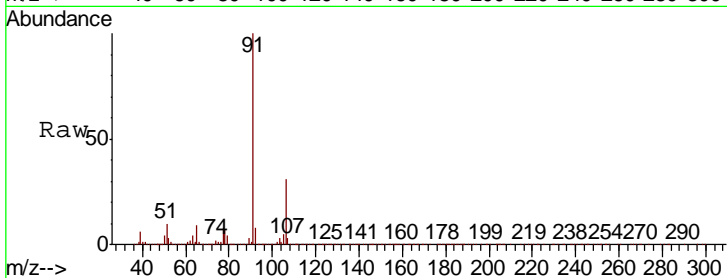
#67
Ethyl Benzene
Concen: 53.822 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014013.D
Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
Client Sampled : ICVVX121319

Tgt Ion: 91 Resp: 1643804
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

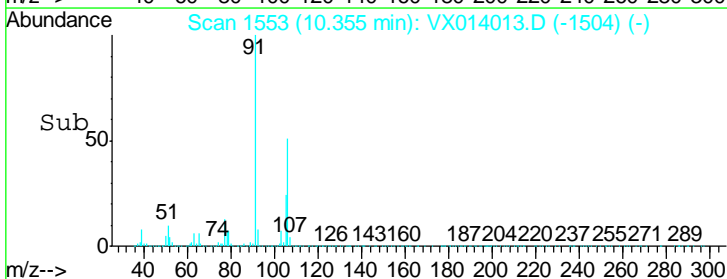
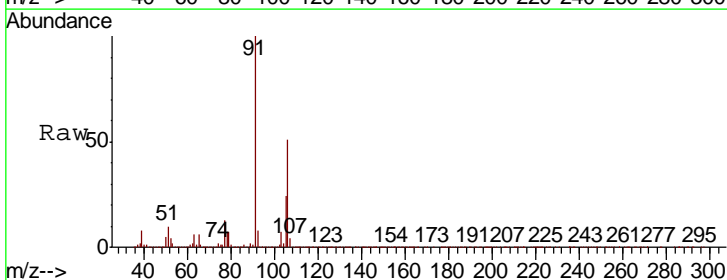
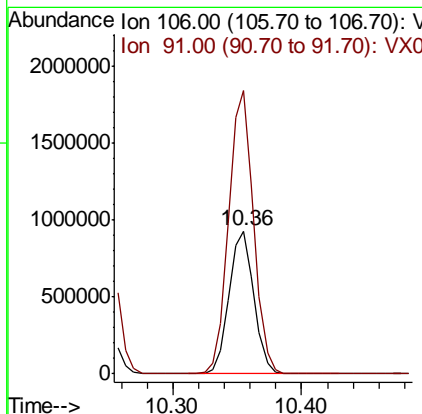
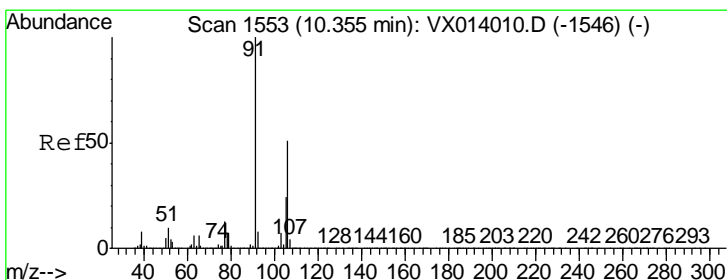
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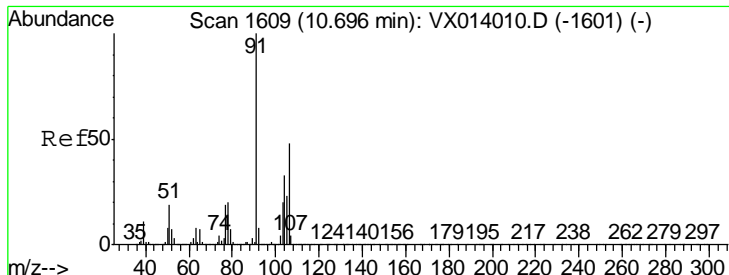
apatel
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#68
m/p-Xylenes
Concen: 106.690 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014013.D
Acq: 13 Dec 2019 18:00

Tgt Ion: 106 Resp: 1253248
Ion Ratio Lower Upper
106 100
91 198.4 158.6 238.0





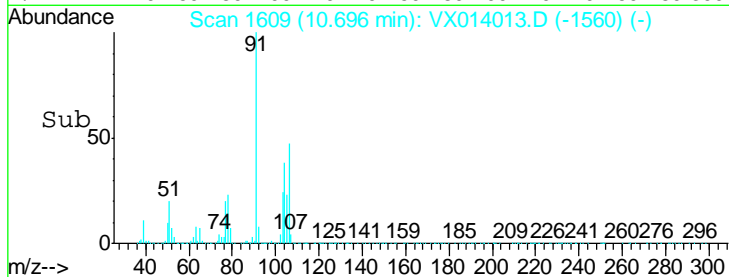
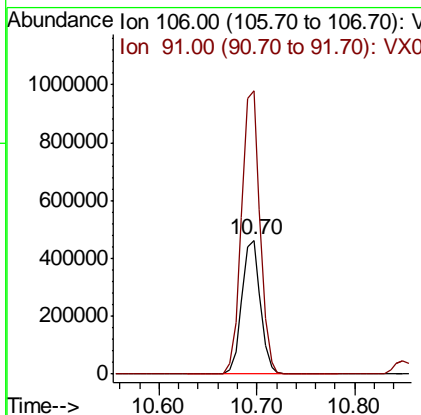
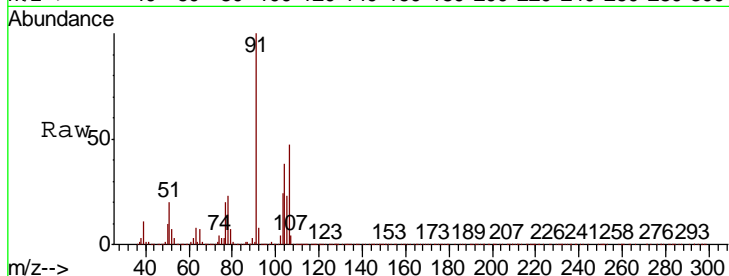
#69
 o-Xylene
 Concen: 52.582 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
106	605775		
106	100		
91	211.8	104.2	312.6

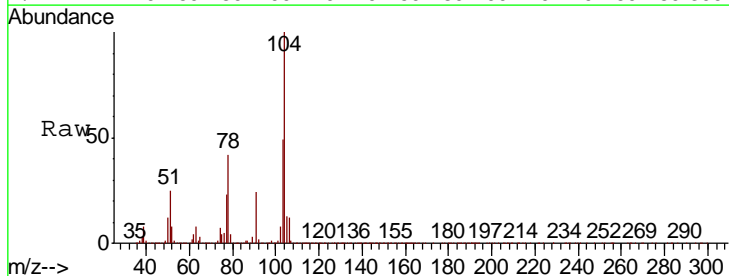
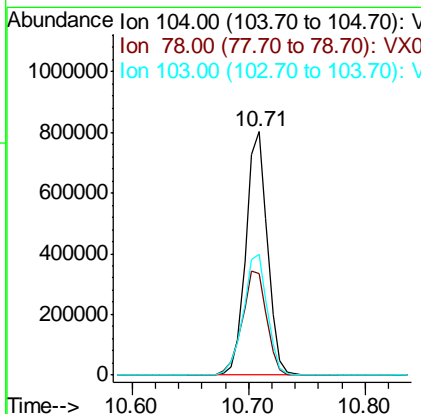
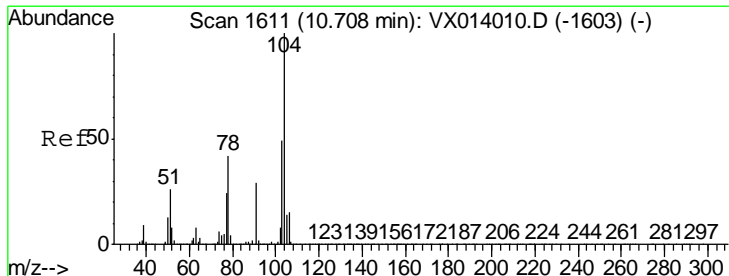
Manual Integrations
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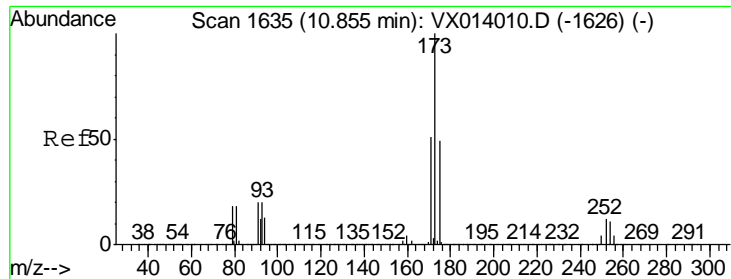
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#70
 Styrene
 Concen: 53.275 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
104	1037862		
104	100		
78	48.8	38.5	57.7
103	54.9	42.9	64.3





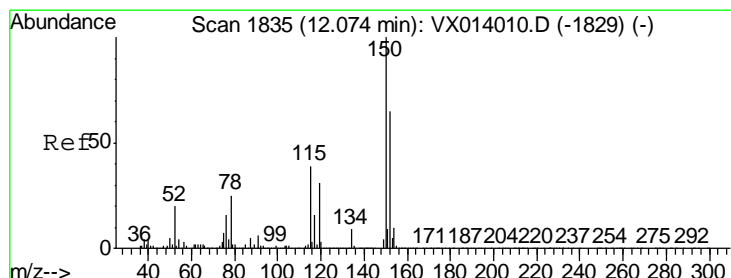
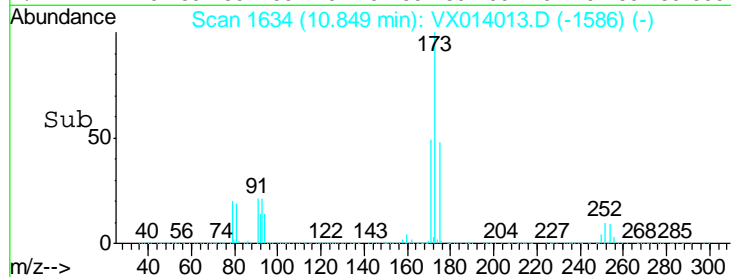
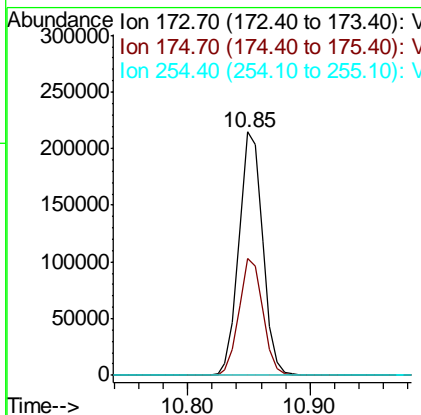
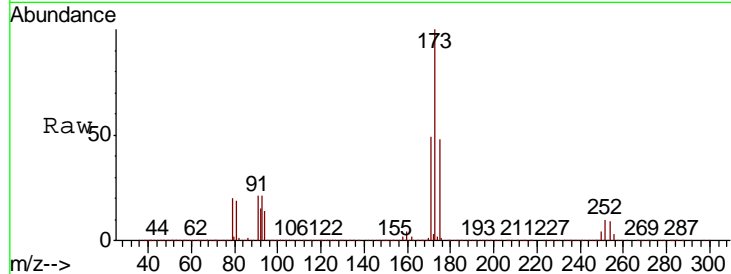
#71
 Bromoform
 Concen: 56.249 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.2	24.4	73.4
254	0.1	0.2	0.2

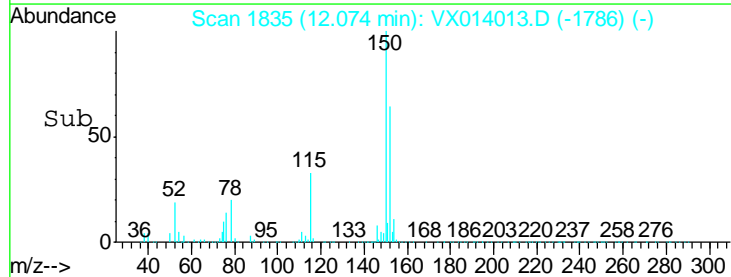
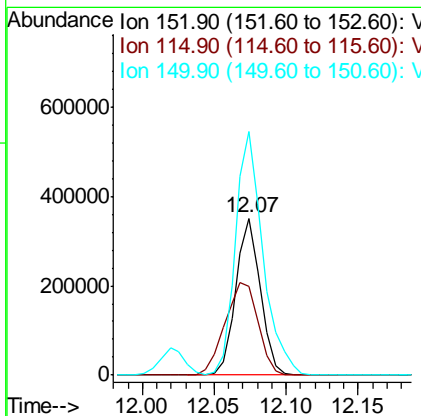
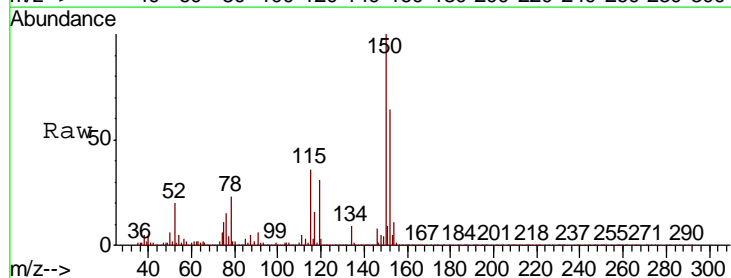
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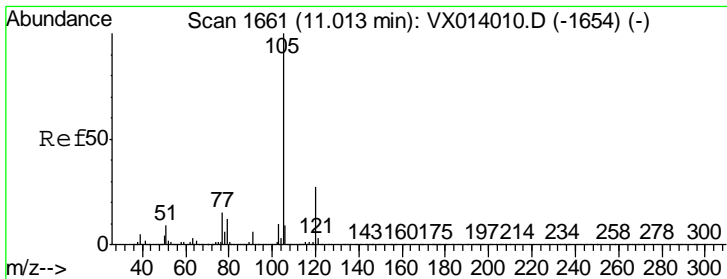
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
152	100		
115	79.6	38.3	114.9
150	173.7	0.0	345.4





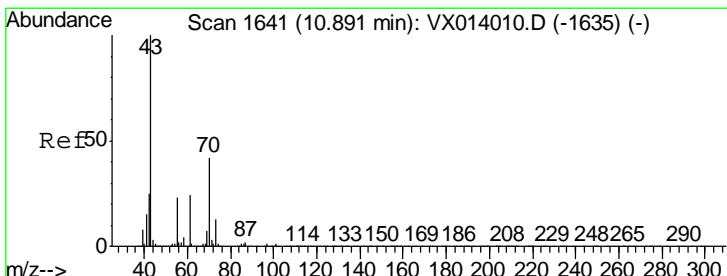
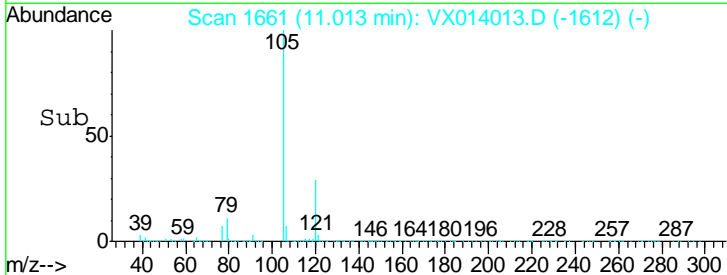
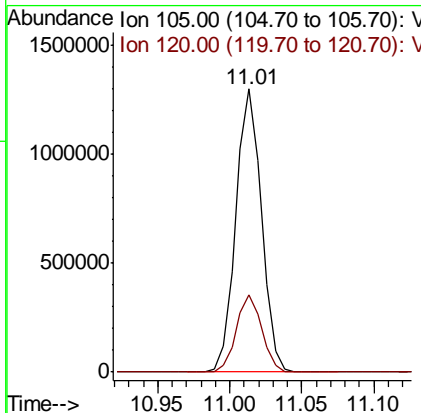
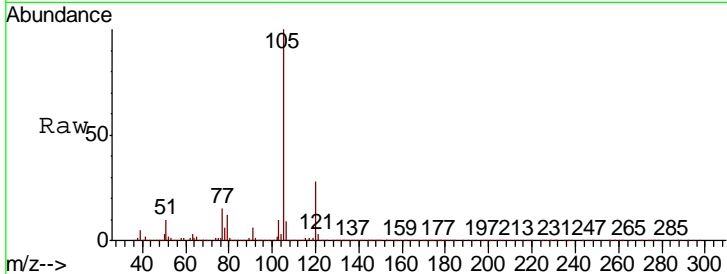
#73
 Isopropylbenzene
 Concen: 54.942 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
105	1615818		
120	27.1	13.5	40.4

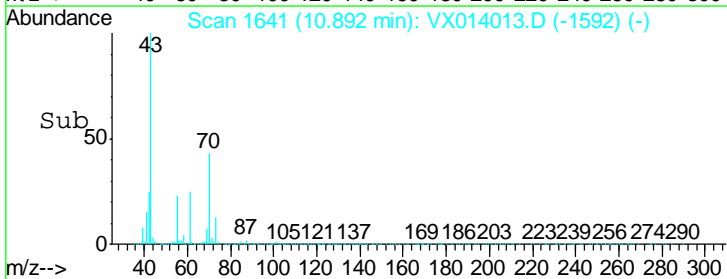
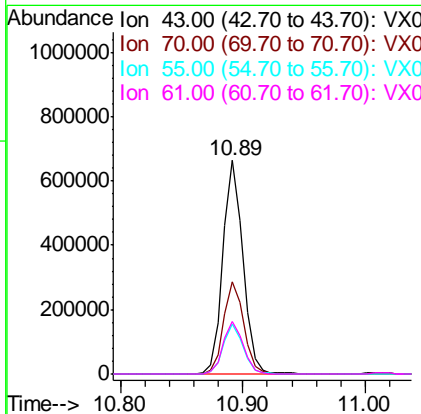
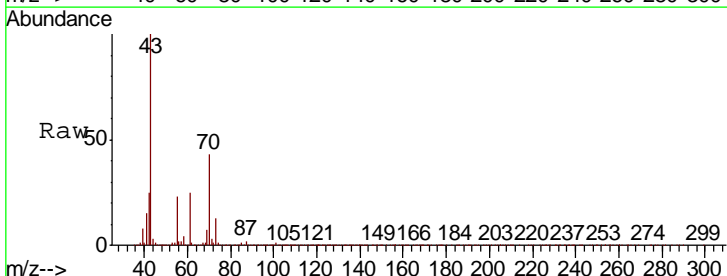
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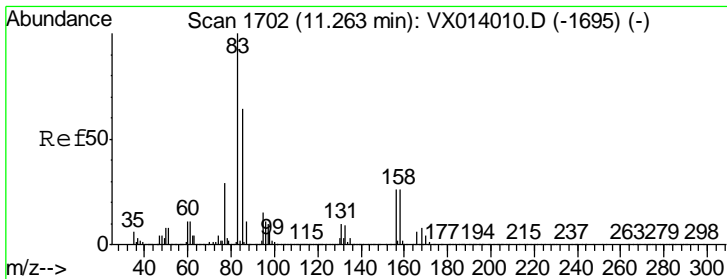
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#74
 N-aryl acetate
 Concen: 54.780 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
43	755178		
70	43.6	34.4	51.6
55	23.4	19.1	28.7
61	24.8	19.7	29.5





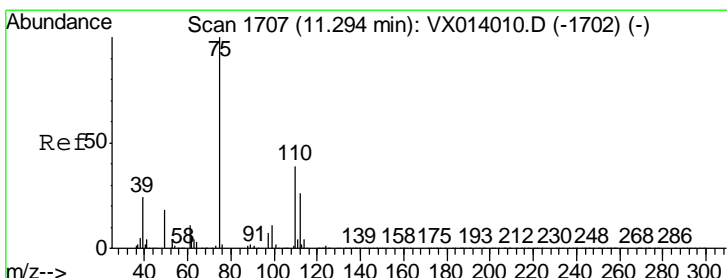
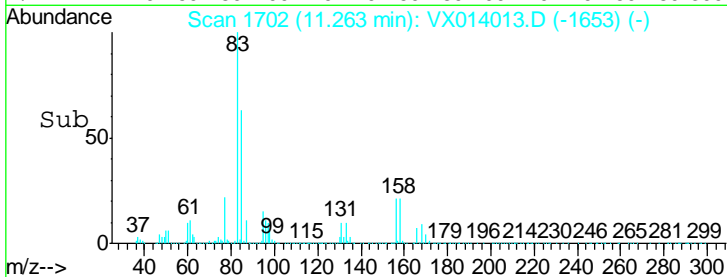
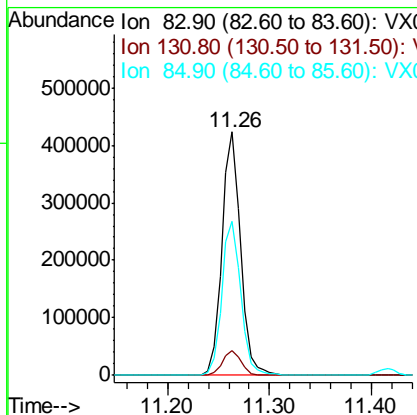
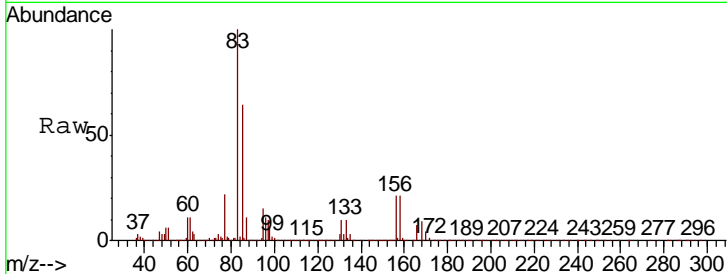
#75
 1,1,2,2-Tetrachloroethane
 Concen: 52.874 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
83	539109		
83	100		
131	10.1	5.1	15.2
85	64.4	31.9	95.7

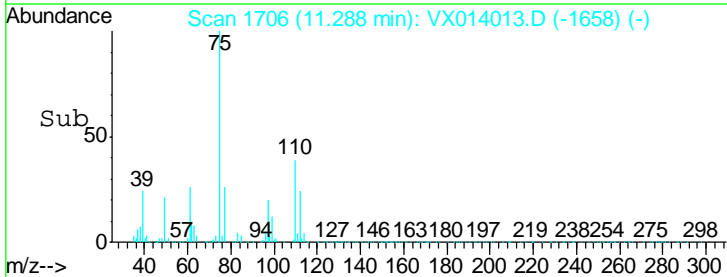
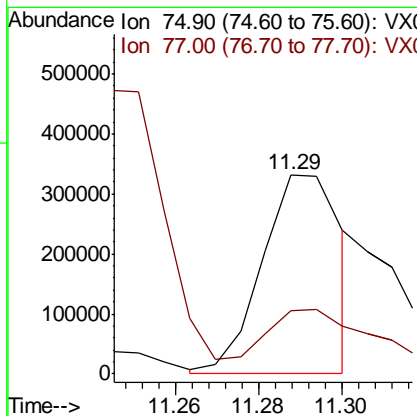
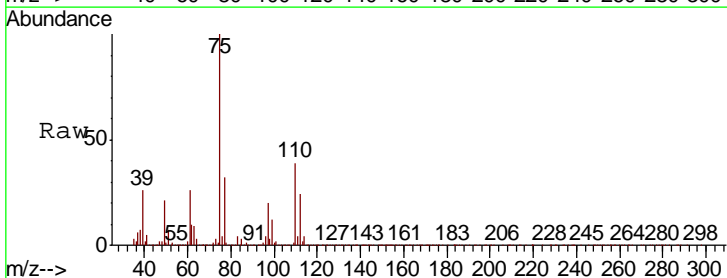
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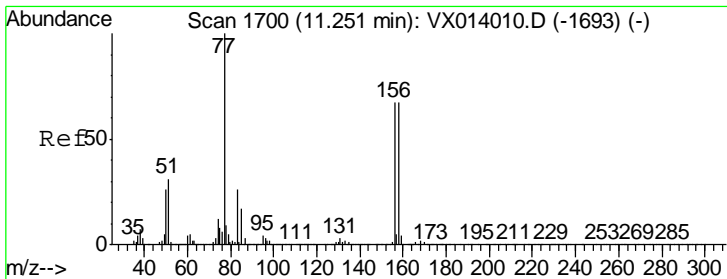
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#76
 1,2,3-Trichloropropane
 Concen: 48.187 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
75	436974		
75	100		
77	46.0	19.3	57.8





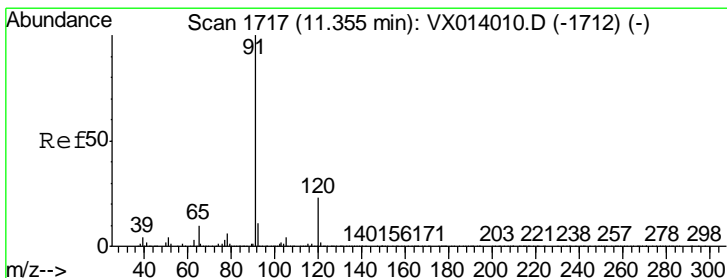
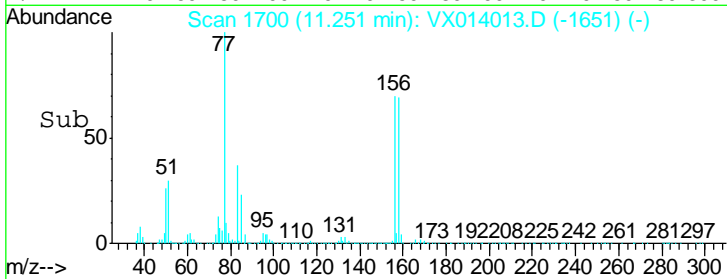
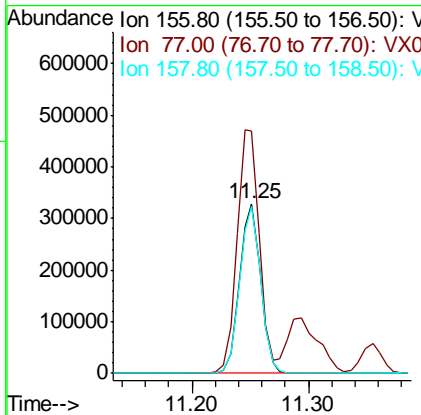
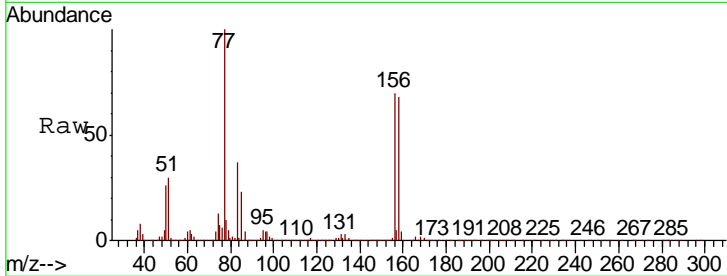
#77
 Bromobenzene
 Concen: 51.492 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
156	416657		
77	150.0	76.5	229.5
158	97.8	49.3	147.9

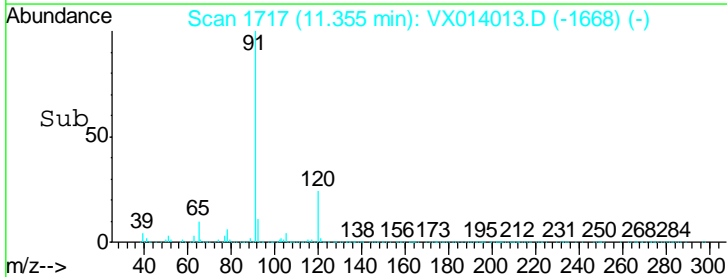
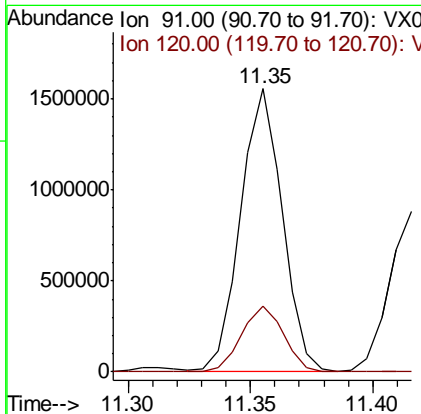
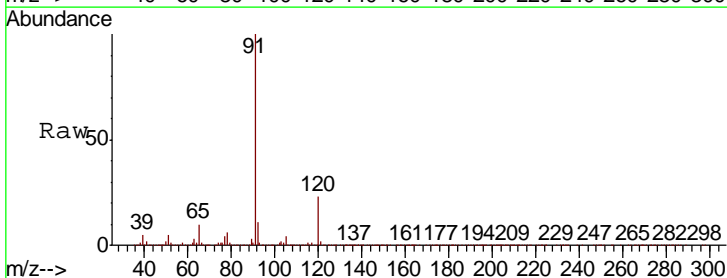
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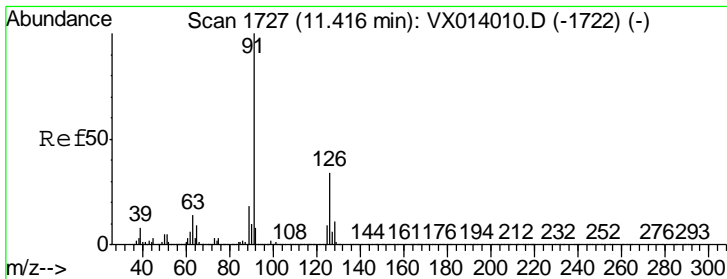
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#78
 n-propylbenzene
 Concen: 55.711 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
91	1837796		
120	23.7	11.7	35.0





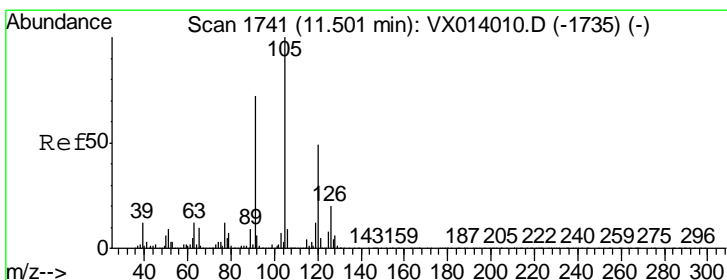
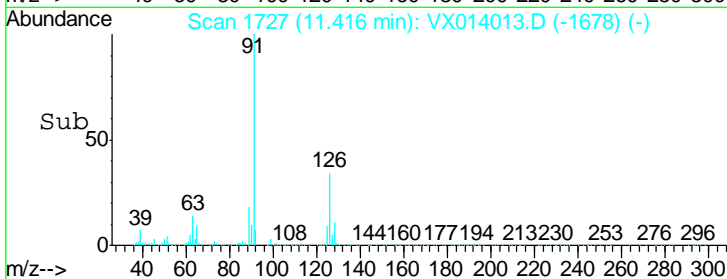
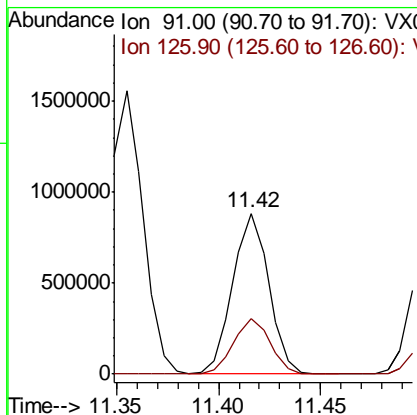
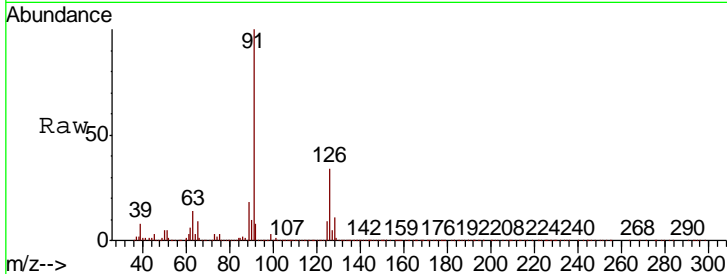
#79
 2-Chlorotoluene
 Concen: 53.821 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
91	1079257		
91	100		
126	34.7	17.2	51.6

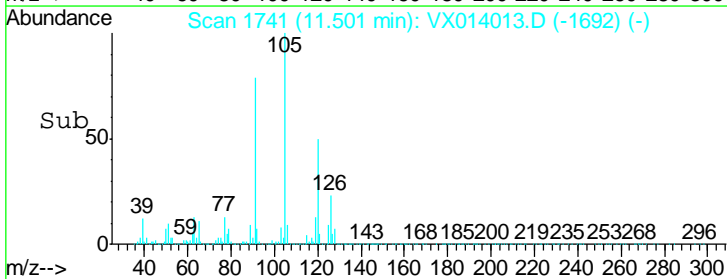
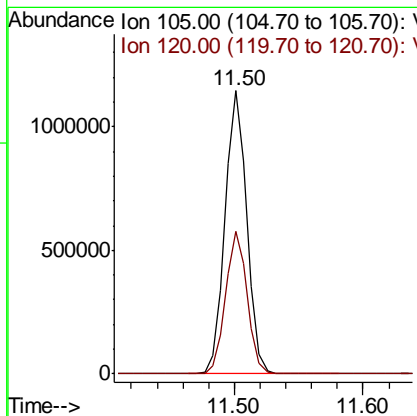
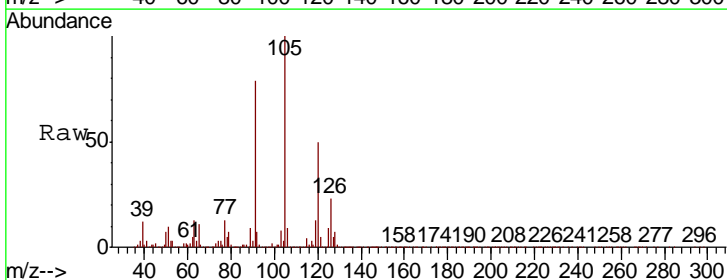
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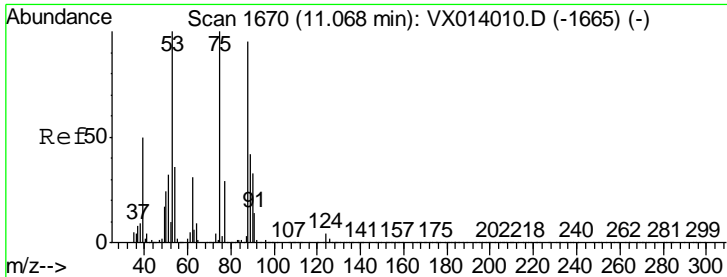
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#80
 1,3,5-Trimethylbenzene
 Concen: 55.135 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
105	1364671		
105	100		
120	49.7	25.3	75.8





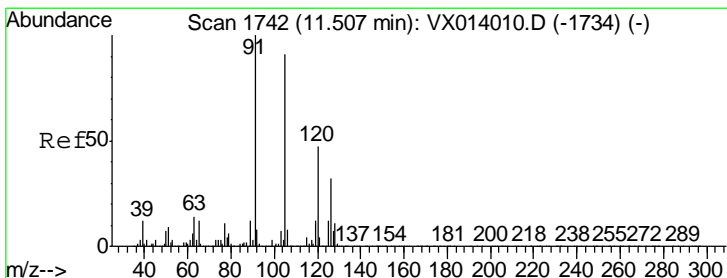
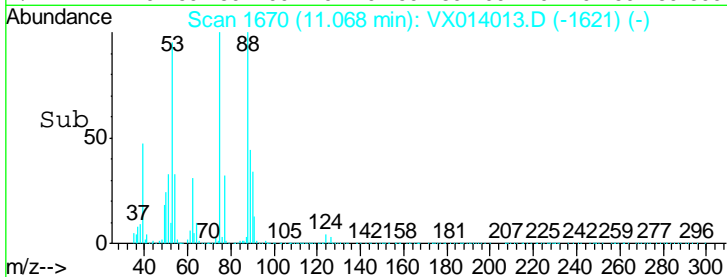
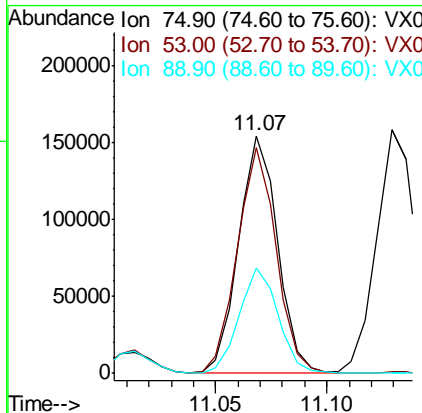
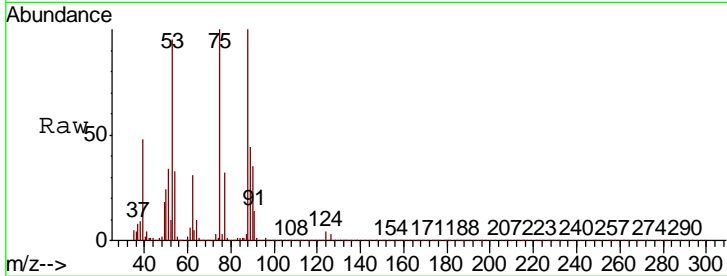
#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.475 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
75	187870		
75	100		
53	94.5	76.7	115.1
89	44.5	34.6	51.8

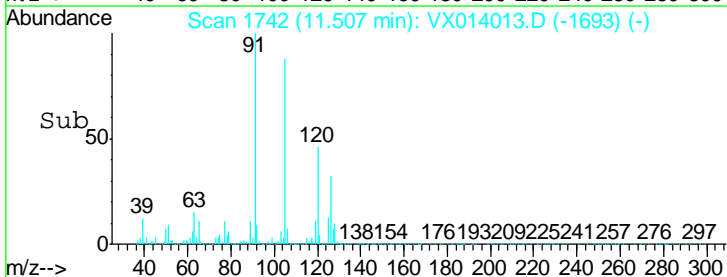
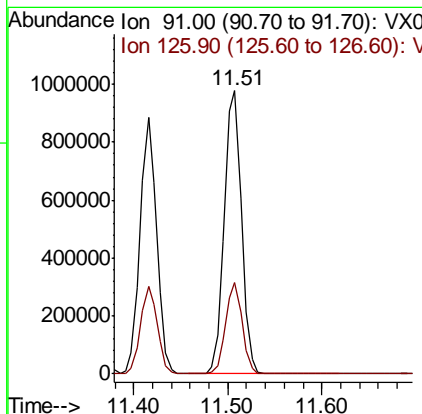
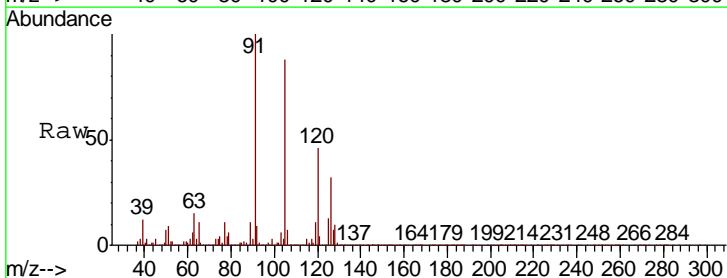
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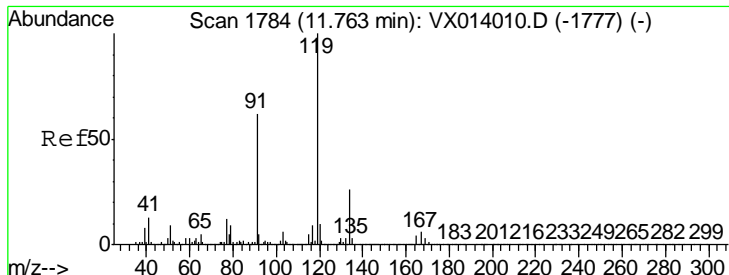
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#82
 4-Chlorotoluene
 Concen: 53.332 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
91	1240522		
91	100		
126	30.9	15.6	46.8





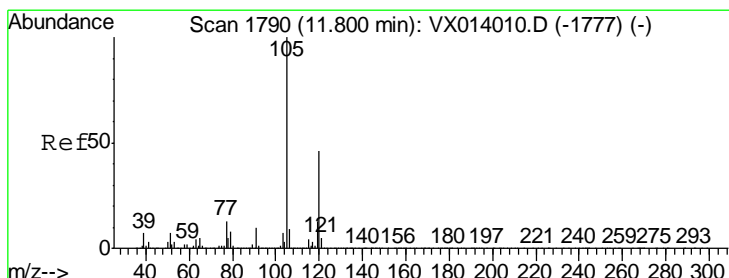
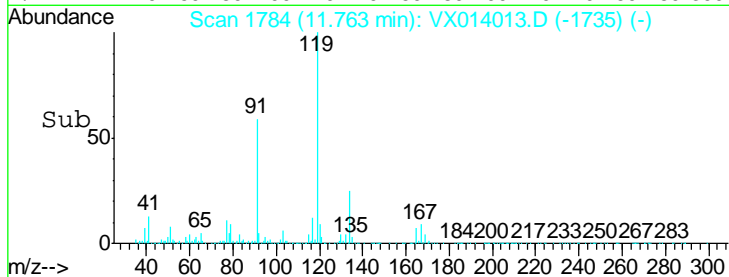
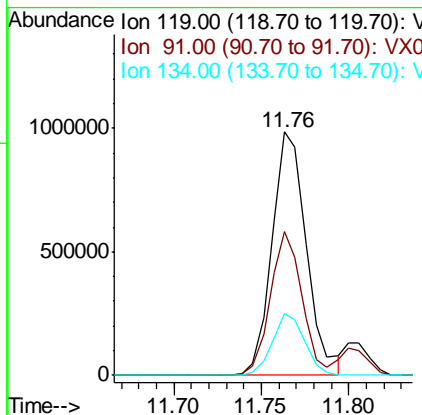
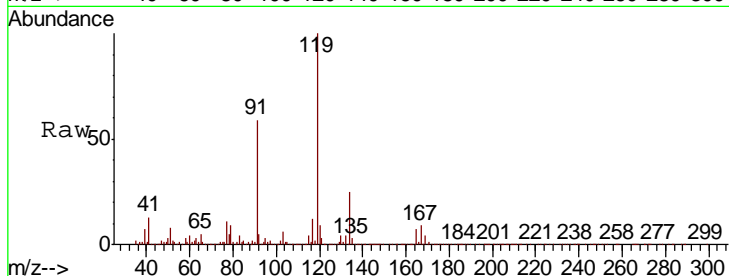
#83
 tert-Butylbenzene
 Concen: 56.340 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
119	1357085		
91	54.2	28.5	85.6
134	23.7	12.2	36.6

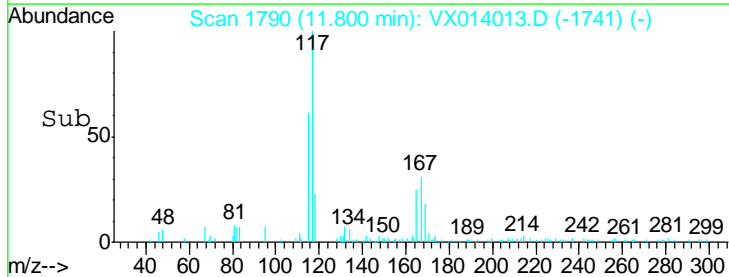
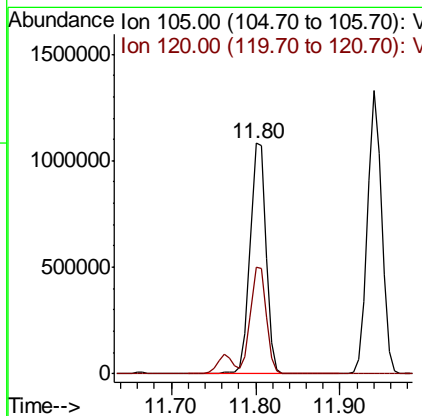
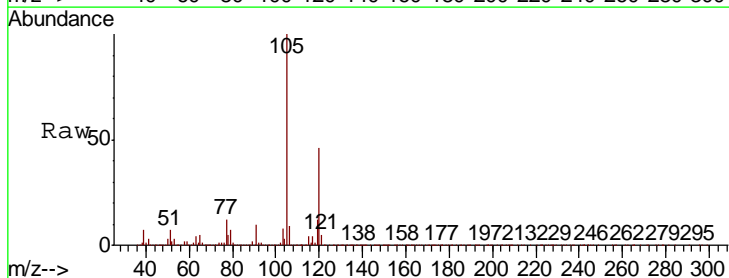
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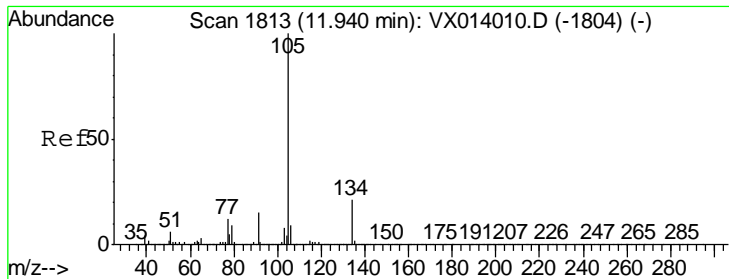
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.762 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
105	1357384		
120	45.9	23.1	69.2





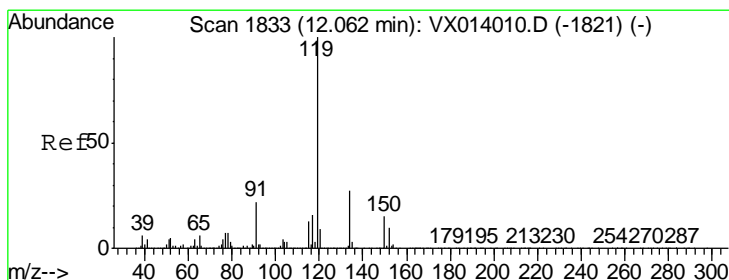
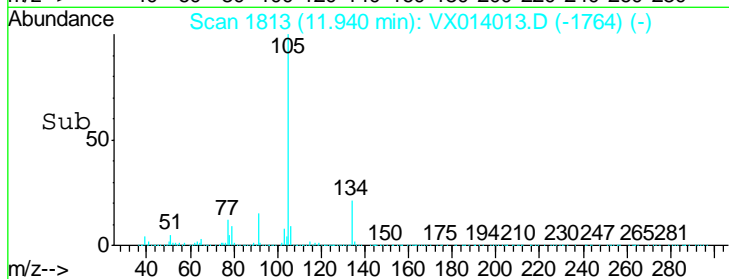
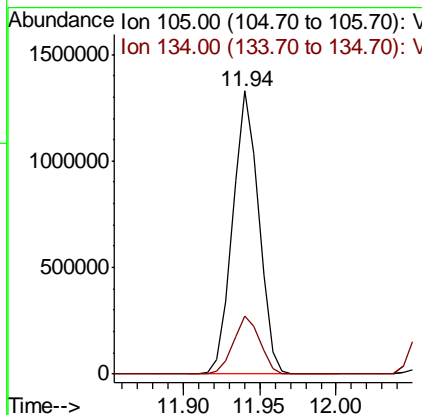
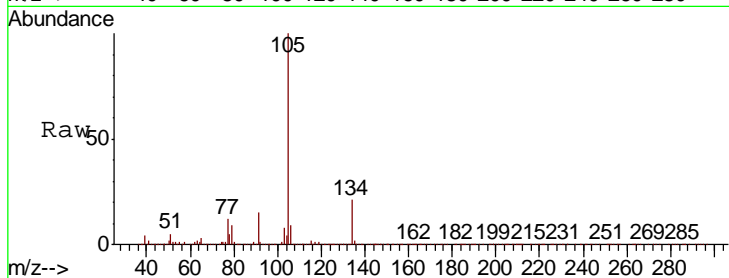
#85
 sec-Butylbenzene
 Concen: 54.958 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
105	1562765		
105	100		
134	20.9	10.4	31.1

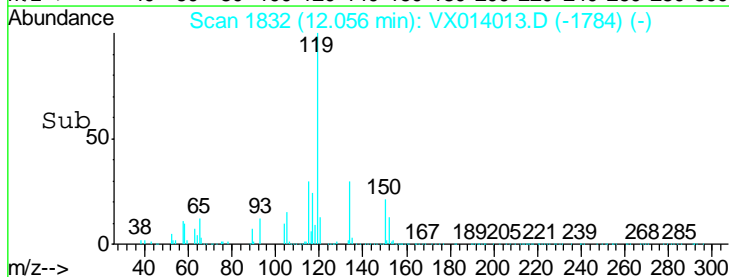
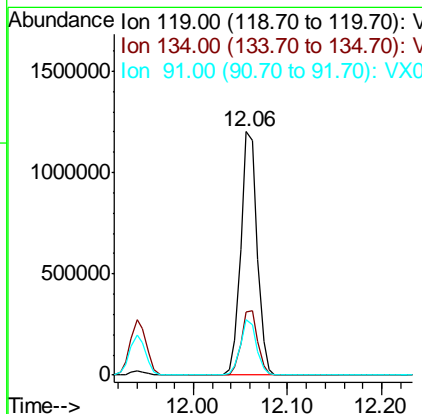
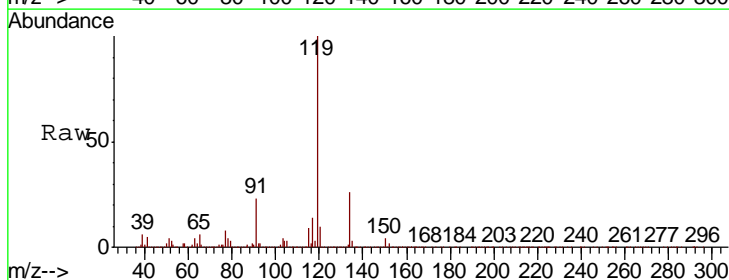
Manual Integrations
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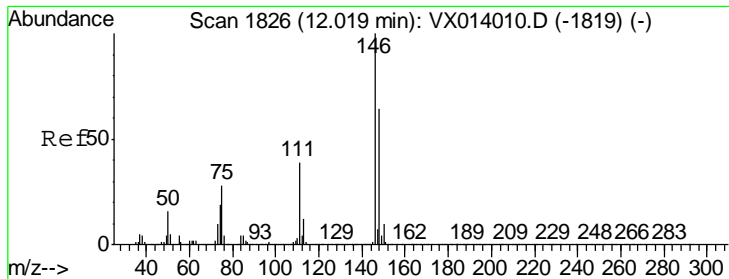
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#86
 p-Isopropyltoluene
 Concen: 55.715 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
119	1449211		
119	100		
134	26.6	13.4	40.1
91	22.5	11.4	34.1





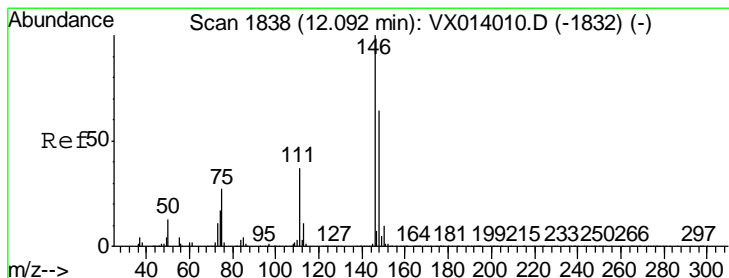
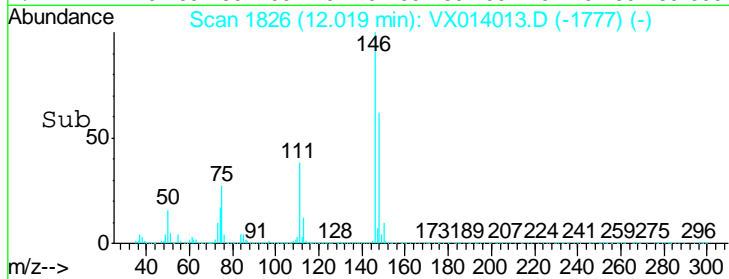
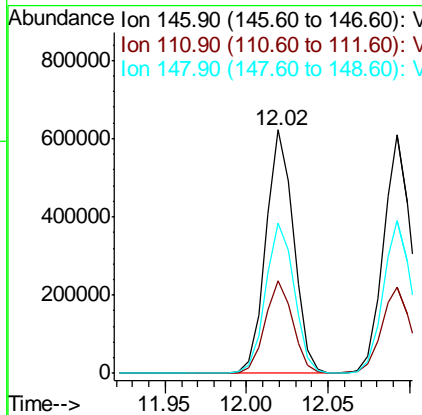
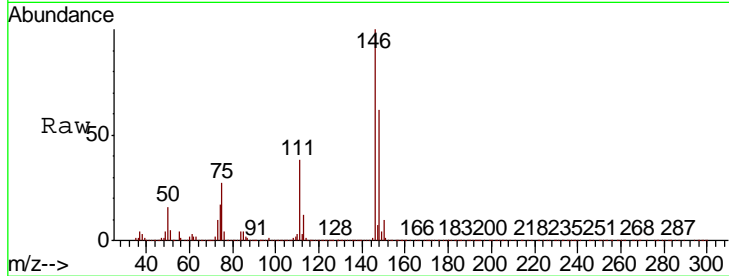
#87
 1,3-Dichlorobenzene
 Concen: 51.836 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
146	735116		
111	37.8	19.1	57.1
148	63.2	32.3	96.9

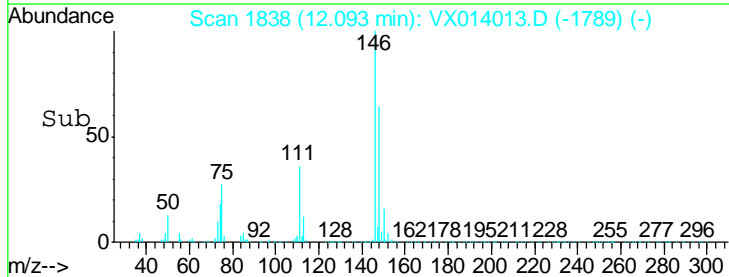
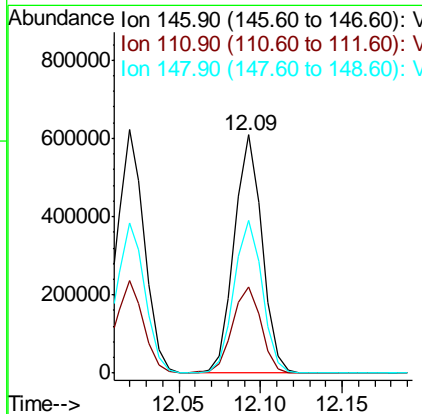
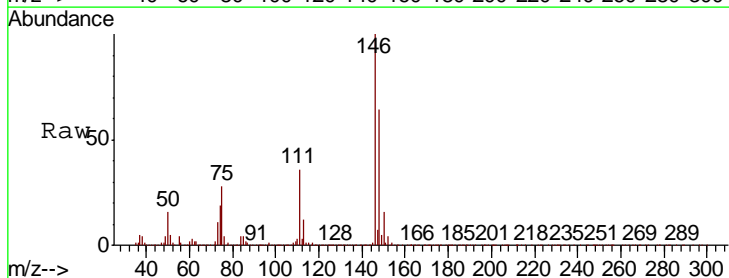
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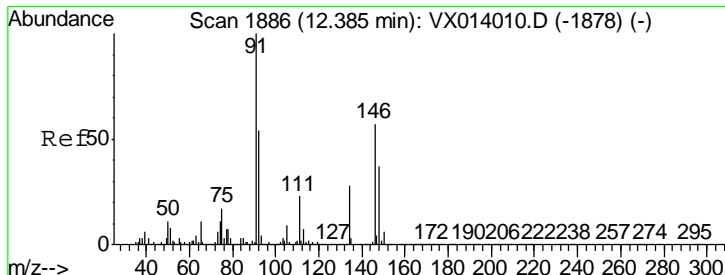
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#88
 1,4-Dichlorobenzene
 Concen: 50.052 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
146	721740		
111	37.5	18.7	56.1
148	65.2	31.9	95.9





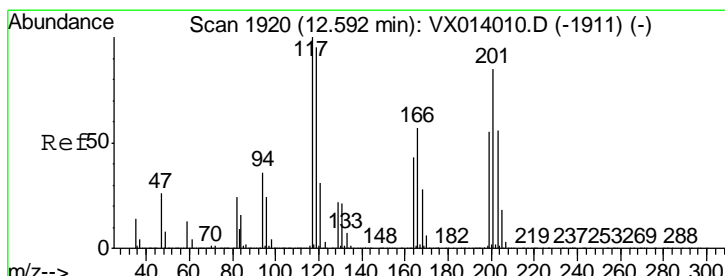
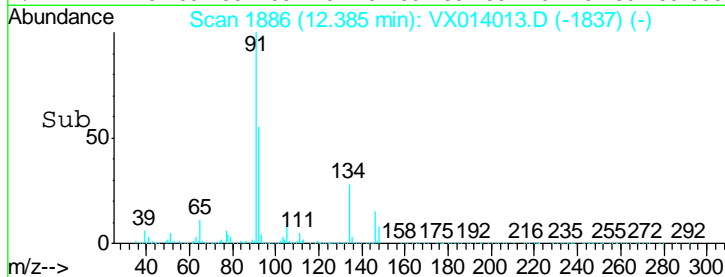
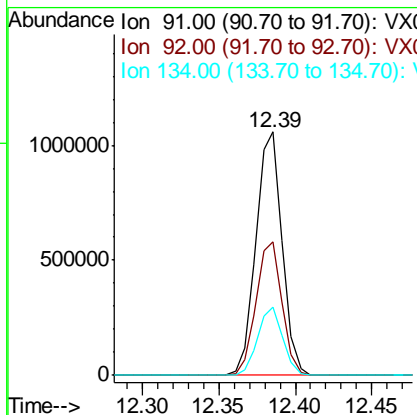
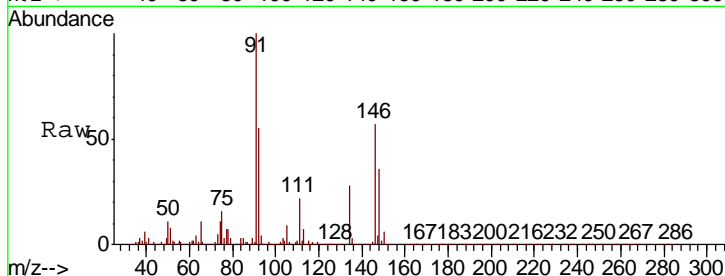
#89
 n-Butylbenzene
 Concen: 56.708 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.9	27.2	81.6
134	27.1	13.4	40.1

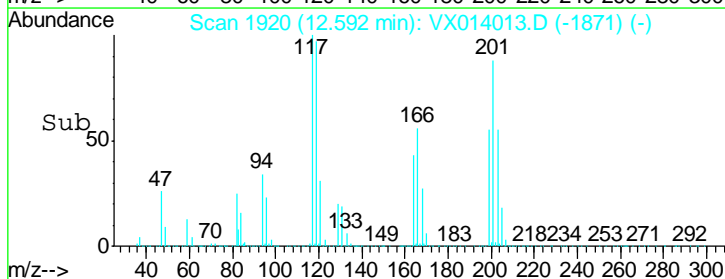
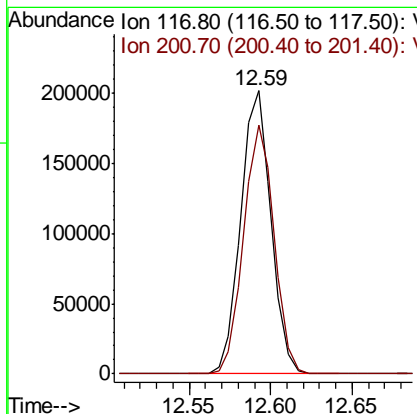
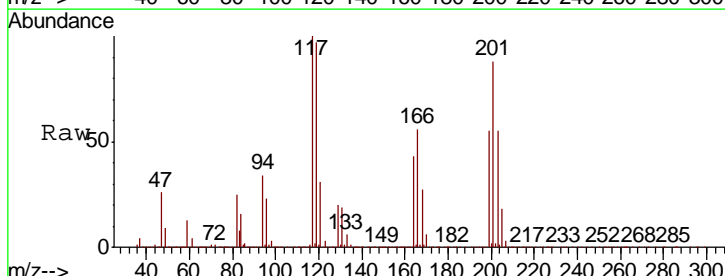
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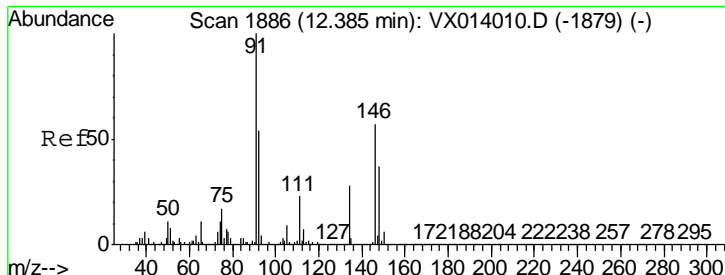
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#90
 Hexachloroethane
 Concen: 55.854 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
117	100		
201	88.8	43.1	129.3





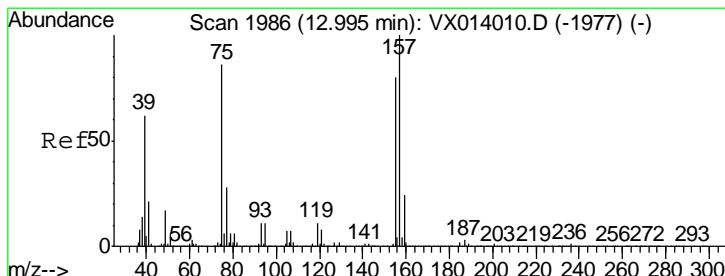
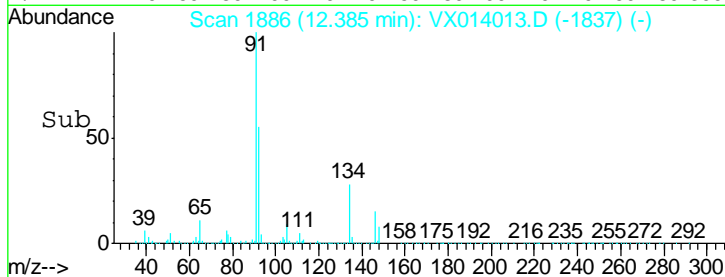
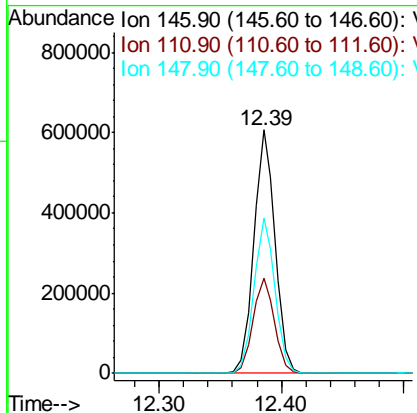
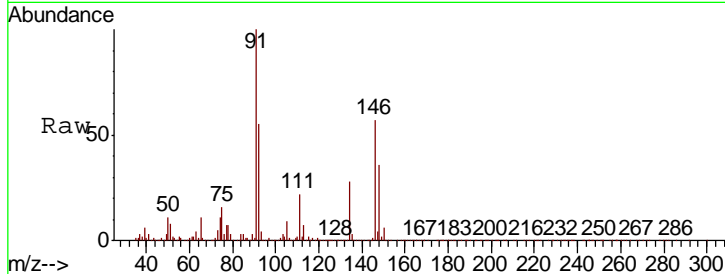
#91
 1,2-Dichlorobenzene
 Concen: 51.501 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
146	735232		
146	100		
111	39.2	19.7	59.1
148	63.4	32.1	96.5

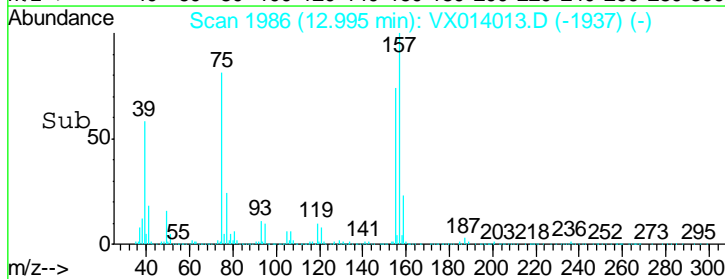
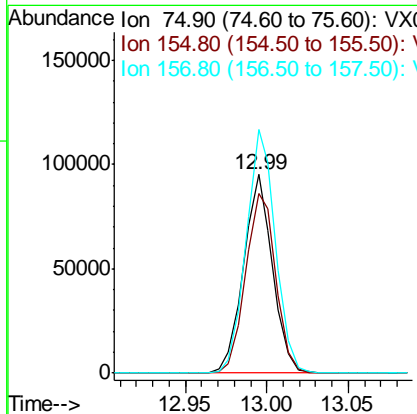
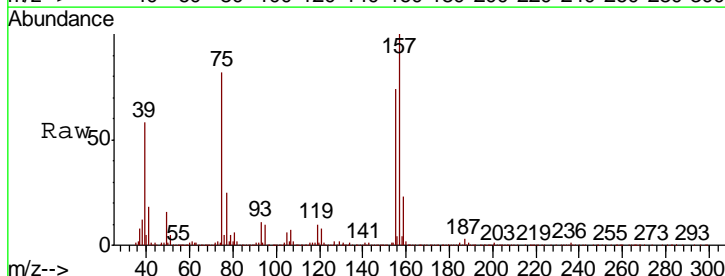
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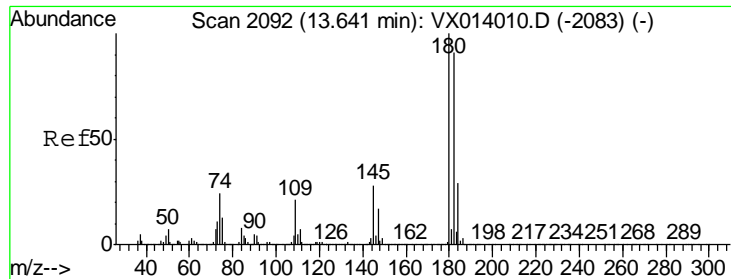
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.330 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
75	118074		
75	100		
155	93.7	46.9	140.6
157	123.1	60.8	182.4





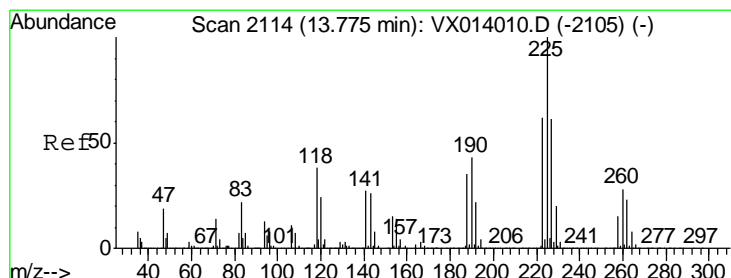
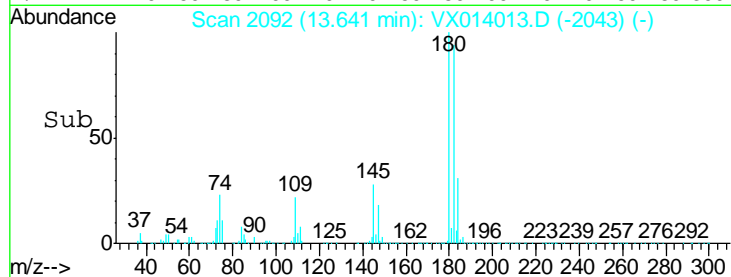
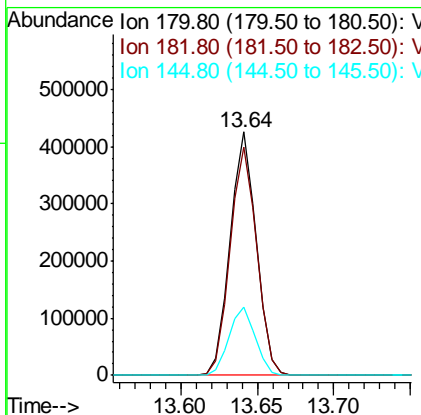
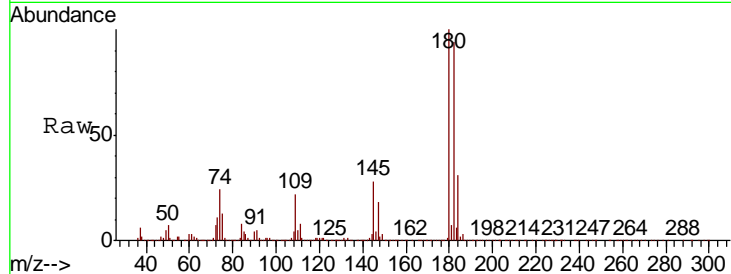
#93
 1,2,4-Trichlorobenzene
 Concen: 54.093 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	28.4	14.2	42.6

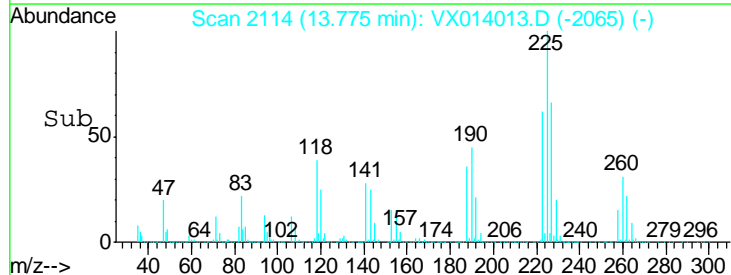
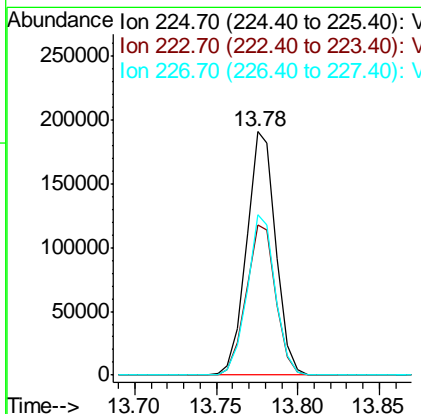
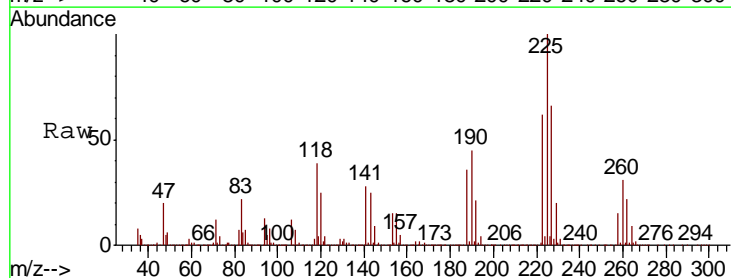
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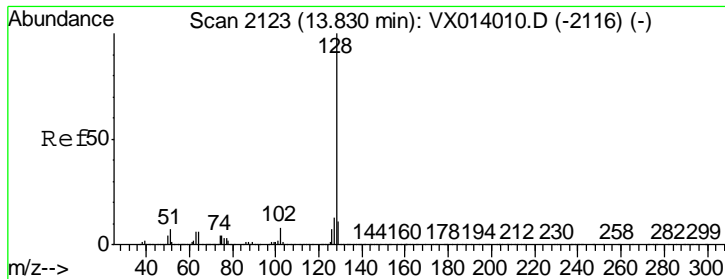
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#94
 Hexachlorobutadiene
 Concen: 53.230 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.7	30.9	92.5
227	64.0	30.9	92.7





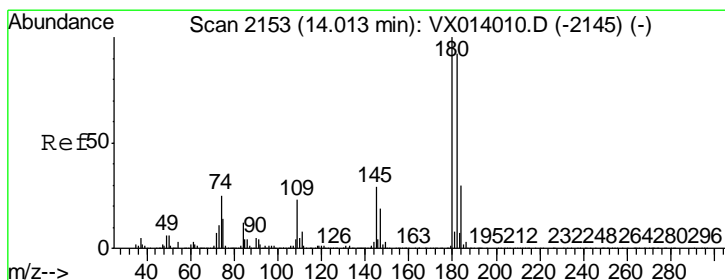
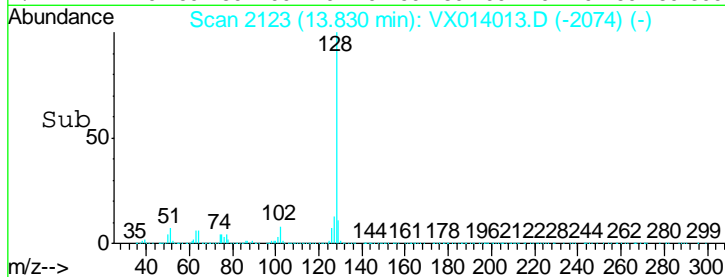
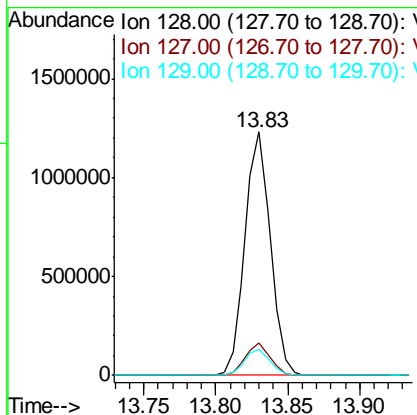
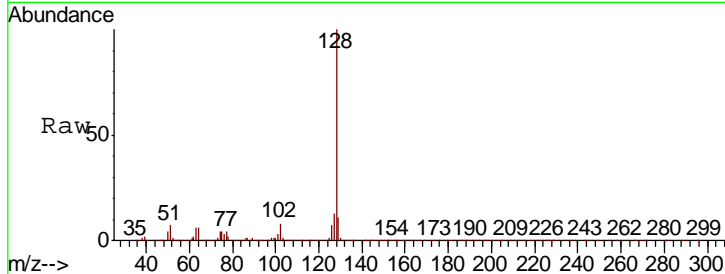
#95
 Naphthalene
 Concen: 55.076 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Instrument : MSVOA_X
 Client Sampled : ICVVX121319

Tgt Ion	Resp	Lower	Upper
128	1501462		
127	13.0	10.2	15.4
129	11.0	8.7	13.1

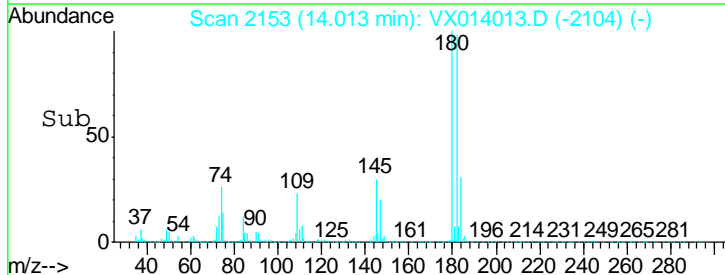
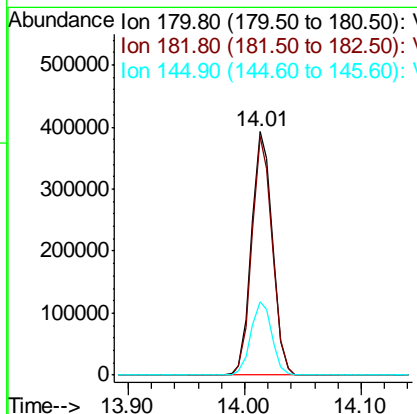
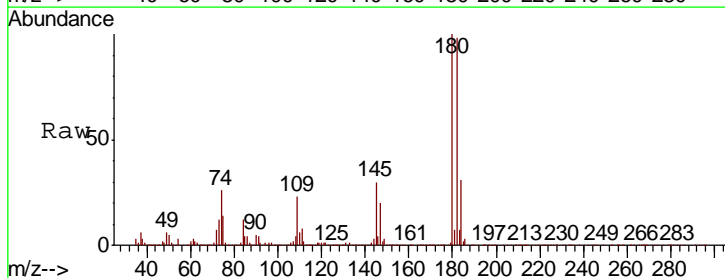
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#96
 1,2,3-Trichlorobenzene
 Concen: 53.990 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014013.D
 Acq: 13 Dec 2019 18:00

Tgt Ion	Resp	Lower	Upper
180	494527		
182	95.3	46.8	140.3
145	29.9	14.8	44.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX121319

Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2 T	Dichlorodifluoromethane	50.000	52.423	-4.8	119	0.00
3 P	Chloromethane	50.000	51.476	-3.0	116	0.00
4 C	Vinyl Chloride	50.000	50.683	-1.4#	117	0.00
5 T	Bromomethane	50.000	48.282	3.4	115	0.00
6 T	Chloroethane	50.000	51.409	-2.8	118	0.00
7 T	Trichlorofluoromethane	50.000	52.333	-4.7	119	0.00
8 T	Diethyl Ether	50.000	49.336	1.3	115	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.756	-5.5	122	0.00
10 T	Methyl Iodide	50.000	51.147	-2.3	114	0.00
11 T	Tert butyl alcohol	250.000	255.656	-2.3	123	-0.02
12 CM	1,1-Dichloroethene	50.000	51.120	-2.2#	118	0.00
13 T	Acrolein	250.000	308.460	-23.4#	147	0.00
14 T	Allyl chloride	50.000	52.467	-4.9	118	0.00
15 T	Acrylonitrile	250.000	258.767	-3.5	119	0.00
16 T	Acetone	250.000	205.507	17.8	90	0.00
17 T	Carbon Disulfide	50.000	51.979	-4.0	118	0.00
18 T	Methyl Acetate	50.000	50.218	-0.4	116	0.00
19 T	Methyl tert-butyl Ether	50.000	53.038	-6.1	119	0.00
20 T	Methylene Chloride	50.000	48.495	3.0	118	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.185	-0.4	117	0.00
22 T	Diisopropyl ether	50.000	52.230	-4.5	118	0.00
23 T	Vinyl Acetate	250.000	279.180	-11.7	124	0.00
24 P	1,1-Dichloroethane	50.000	50.563	-1.1	117	0.00
25 T	2-Butanone	250.000	240.967	3.6	107	-0.01
26 T	2,2-Dichloropropane	50.000	54.390	-8.8	123	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.600	-1.2	117	0.00
28 T	Bromochloromethane	50.000	50.825	-1.7	110	0.00
29 T	Tetrahydrofuran	250.000	263.112	-5.2	120	0.00
30 C	Chloroform	50.000	51.813	-3.6#	117	0.00
31 T	Cyclohexane	50.000	53.196	-6.4	118	0.00
32 T	1,1,1-Trichloroethane	50.000	52.170	-4.3	118	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.379	1.2	111	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35 S	Dibromofluoromethane	50.000	51.165	-2.3	111	-0.01
36 T	1,1-Dichloropropene	50.000	53.063	-6.1	119	0.00
37 T	Ethyl Acetate	50.000	53.892	-7.8	117	0.00
38 T	Carbon Tetrachloride	50.000	55.084	-10.2	119	0.00
39 T	Methylcyclohexane	50.000	54.011	-8.0	120	0.00
40 TM	Benzene	50.000	51.683	-3.4	116	0.00
41 T	Methacrylonitrile	50.000	53.997	-8.0	121	-0.01
42 TM	1,2-Dichloroethane	50.000	52.570	-5.1	118	0.00
43 T	Isopropyl Acetate	50.000	54.361	-8.7	120	0.00
44 TM	Trichloroethene	50.000	51.035	-2.1	118	0.00
45 C	1,2-Dichloropropane	50.000	51.894	-3.8#	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX121319

Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	51.535	-3.1	118	0.00
47 T	Bromodichloromethane	50.000	53.914	-7.8	118	0.00
48 T	Methyl methacrylate	50.000	54.148	-8.3	118	0.00
49 T	1,4-Dioxane	1000.000	1051.128	-5.1	120	0.00
50 S	Toluene-d8	50.000	51.168	-2.3	110	0.00
51 T	4-Methyl-2-Pentanone	250.000	262.786	-5.1	116	0.00
52 CM	Toluene	50.000	51.512	-3.0#	116	0.00
53 T	t-1,3-Dichloropropene	50.000	56.109	-12.2	118	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.374	-12.7	119	0.00
55 T	1,1,2-Trichloroethane	50.000	51.430	-2.9	115	0.00
56 T	Ethyl methacrylate	50.000	54.481	-9.0	116	0.00
57 T	1,3-Dichloropropane	50.000	52.245	-4.5	115	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	254.171	-1.7	105	0.00
59 T	2-Hexanone	250.000	252.423	-1.0	108	0.00
60 T	Dibromochloromethane	50.000	55.271	-10.5	117	0.00
61 T	1,2-Dibromoethane	50.000	52.886	-5.8	116	0.00
62 S	4-Bromofluorobenzene	50.000	50.095	-0.2	108	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64 T	Tetrachloroethene	50.000	44.918	10.2	100	0.00
65 PM	Chlorobenzene	50.000	51.674	-3.3	115	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.581	-7.2	116	0.00
67 C	Ethyl Benzene	50.000	53.822	-7.6#	116	0.00
68 T	m/p-Xylenes	100.000	106.690	-6.7	116	0.00
69 T	o-Xylene	50.000	52.582	-5.2	114	0.00
70 T	Styrene	50.000	53.275	-6.5	113	0.00
71 P	Bromoform	50.000	56.249	-12.5	118	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	54.942	-9.9	116	0.00
74 T	N-amyl acetate	50.000	54.780	-9.6	114	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.874	-5.7	113	0.00
76 T	1,2,3-Trichloropropane	50.000	48.187	3.6	99	0.00
77 T	Bromobenzene	50.000	51.492	-3.0	115	0.00
78 T	n-propylbenzene	50.000	55.711	-11.4	116	0.00
79 T	2-Chlorotoluene	50.000	53.821	-7.6	114	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.135	-10.3	116	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	58.475	-17.0	117	0.00
82 T	4-Chlorotoluene	50.000	53.332	-6.7	115	0.00
83 T	tert-Butylbenzene	50.000	56.340	-12.7	121	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.762	-9.5	115	0.00
85 T	sec-Butylbenzene	50.000	54.958	-9.9	116	0.00
86 T	p-Isopropyltoluene	50.000	55.715	-11.4	117	0.00
87 T	1,3-Dichlorobenzene	50.000	51.836	-3.7	115	0.00
88 T	1,4-Dichlorobenzene	50.000	50.052	-0.1	113	0.00
89 T	n-Butylbenzene	50.000	56.708	-13.4	117	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX121319

Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	55.854	-11.7	116	0.00
91 T	1,2-Dichlorobenzene	50.000	51.501	-3.0	113	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.330	-4.7	117	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.093	-8.2	116	0.00
94 T	Hexachlorobutadiene	50.000	53.230	-6.5	117	0.00
95 T	Naphthalene	50.000	55.076	-10.2	113	0.00
96 T	1,2,3-Trichlorobenzene	50.000	53.990	-8.0	114	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX121319

Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2 T	Dichlorodifluoromethane	0.447	0.469	-4.9	119	0.00
3 P	Chloromethane	0.600	0.618	-3.0	116	0.00
4 C	Vinyl Chloride	0.633	0.642	-1.4#	117	0.00
5 T	Bromomethane	0.450	0.434	3.6	115	0.00
6 T	Chloroethane	0.391	0.402	-2.8	118	0.00
7 T	Trichlorofluoromethane	0.784	0.821	-4.7	119	0.00
8 T	Diethyl Ether	0.368	0.363	1.4	115	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.473	0.499	-5.5	122	0.00
10 T	Methyl Iodide	0.575	0.638	-11.0	114	0.00
11 T	Tert butyl alcohol	0.122	0.125	-2.5	123	-0.02
12 CM	1,1-Dichloroethene	0.481	0.492	-2.3#	118	0.00
13 T	Acrolein	0.070	0.086	-22.9#	147	0.00
14 T	Allyl chloride	0.859	0.901	-4.9	118	0.00
15 T	Acrylonitrile	0.286	0.296	-3.5	119	0.00
16 T	Acetone	0.368	0.302	17.9	90	0.00
17 T	Carbon Disulfide	1.418	1.389	2.0	118	0.00
18 T	Methyl Acetate	0.729	0.732	-0.4	116	0.00
19 T	Methyl tert-butyl Ether	1.580	1.677	-6.1	119	0.00
20 T	Methylene Chloride	0.579	0.562	2.9	118	0.00
21 T	trans-1,2-Dichloroethene	0.530	0.532	-0.4	117	0.00
22 T	Diisopropyl ether	1.711	1.788	-4.5	118	0.00
23 T	Vinyl Acetate	1.397	1.560	-11.7	124	0.00
24 P	1,1-Dichloroethane	0.952	0.963	-1.2	117	0.00
25 T	2-Butanone	0.454	0.437	3.7	107	-0.01
26 T	2,2-Dichloropropane	0.739	0.804	-8.8	123	0.00
27 T	cis-1,2-Dichloroethene	0.599	0.606	-1.2	117	0.00
28 T	Bromochloromethane	0.332	0.372	-12.0	110	0.00
29 T	Tetrahydrofuran	0.254	0.267	-5.1	120	0.00
30 C	Chloroform	0.903	0.935	-3.5#	117	0.00
31 T	Cyclohexane	0.847	0.901	-6.4	118	0.00
32 T	1,1,1-Trichloroethane	0.769	0.803	-4.4	118	0.00
33 S	1,2-Dichloroethane-d4	0.567	0.560	1.2	111	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35 S	Dibromofluoromethane	0.304	0.311	-2.3	111	-0.01
36 T	1,1-Dichloropropene	0.459	0.487	-6.1	119	0.00
37 T	Ethyl Acetate	0.507	0.546	-7.7	117	0.00
38 T	Carbon Tetrachloride	0.418	0.460	-10.0	119	0.00
39 T	Methylcyclohexane	0.566	0.612	-8.1	120	0.00
40 TM	Benzene	1.412	1.459	-3.3	116	0.00
41 T	Methacrylonitrile	0.281	0.304	-8.2	121	-0.01
42 TM	1,2-Dichloroethane	0.479	0.503	-5.0	118	0.00
43 T	Isopropyl Acetate	0.838	0.912	-8.8	120	0.00
44 TM	Trichloroethene	0.390	0.398	-2.1	118	0.00
45 C	1,2-Dichloropropane	0.362	0.376	-3.9#	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 ICVVX121319

Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.239	0.247	-3.3	118	0.00
47 T	Bromodichloromethane	0.451	0.486	-7.8	118	0.00
48 T	Methyl methacrylate	0.411	0.445	-8.3	118	0.00
49 T	1,4-Dioxane	0.008	0.009	-12.5	120	0.00
50 S	Toluene-d8	1.183	1.211	-2.4	110	0.00
51 T	4-Methyl-2-Pentanone	0.527	0.553	-4.9	116	0.00
52 CM	Toluene	0.892	0.919	-3.0#	116	0.00
53 T	t-1,3-Dichloropropene	0.494	0.554	-12.1	118	0.00
54 T	cis-1,3-Dichloropropene	0.550	0.621	-12.9	119	0.00
55 T	1,1,2-Trichloroethane	0.358	0.368	-2.8	115	0.00
56 T	Ethyl methacrylate	0.562	0.612	-8.9	116	0.00
57 T	1,3-Dichloropropane	0.602	0.629	-4.5	115	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.216	-1.4	105	0.00
59 T	2-Hexanone	0.424	0.428	-0.9	108	0.00
60 T	Dibromochloromethane	0.355	0.393	-10.7	117	0.00
61 T	1,2-Dibromoethane	0.366	0.387	-5.7	116	0.00
62 S	4-Bromofluorobenzene	0.433	0.433	0.0	108	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64 T	Tetrachloroethene	0.442	0.397	10.2	100	0.00
65 PM	Chlorobenzene	1.063	1.099	-3.4	115	0.00
66 T	1,1,1,2-Tetrachloroethane	0.380	0.407	-7.1	116	0.00
67 C	Ethyl Benzene	1.828	1.967	-7.6#	116	0.00
68 T	m/p-Xylenes	0.703	0.750	-6.7	116	0.00
69 T	o-Xylene	0.689	0.725	-5.2	114	0.00
70 T	Styrene	1.166	1.242	-6.5	113	0.00
71 P	Bromoform	0.305	0.343	-12.5	118	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.520	3.868	-9.9	116	0.00
74 T	N-amyl acetate	1.650	1.808	-9.6	114	0.00
75 P	1,1,2,2-Tetrachloroethane	1.220	1.291	-5.8	113	0.00
76 T	1,2,3-Trichloropropane	1.085	1.046	3.6	99	0.00
77 T	Bromobenzene	0.969	0.997	-2.9	115	0.00
78 T	n-propylbenzene	3.949	4.400	-11.4	116	0.00
79 T	2-Chlorotoluene	2.400	2.584	-7.7	114	0.00
80 T	1,3,5-Trimethylbenzene	2.963	3.267	-10.3	116	0.00
81 T	trans-1,4-Dichloro-2-butene	0.385	0.450	-16.9	117	0.00
82 T	4-Chlorotoluene	2.784	2.970	-6.7	115	0.00
83 T	tert-Butylbenzene	2.883	3.249	-12.7	121	0.00
84 T	1,2,4-Trimethylbenzene	2.967	3.250	-9.5	115	0.00
85 T	sec-Butylbenzene	3.404	3.741	-9.9	116	0.00
86 T	p-Isopropyltoluene	3.114	3.469	-11.4	117	0.00
87 T	1,3-Dichlorobenzene	1.698	1.760	-3.7	115	0.00
88 T	1,4-Dichlorobenzene	1.726	1.728	-0.1	113	0.00
89 T	n-Butylbenzene	2.657	3.013	-13.4	117	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX121319

Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.559	0.625	-11.8	116	0.00
91 T	1,2-Dichlorobenzene	1.709	1.760	-3.0	113	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.270	0.283	-4.8	117	0.00
93 T	1,2,4-Trichlorobenzene	1.111	1.202	-8.2	116	0.00
94 T	Hexachlorobutadiene	0.534	0.568	-6.4	117	0.00
95 T	Naphthalene	3.263	3.595	-10.2	113	0.00
96 T	1,2,3-Trichlorobenzene	1.096	1.184	-8.0	114	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG No.: K6405
 Instrument ID: MSVOA_X Calibration Date/Time: 12/24/2019 09:28
 Lab File ID: VX014232.D Init. Calib. Date(s): 12/13/2019 12/13/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:49 16:45
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.447	0.406		-9.17	20
Chloromethane	0.600	0.537	0.1	-10.5	20
Vinyl Chloride	0.633	0.585		-7.58	20
Bromomethane	0.450	0.367		-18.44	20
Chloroethane	0.391	0.376		-3.84	20
Trichlorofluoromethane	0.784	0.766		-2.3	20
1,1,2-Trichlorotrifluoroethane	0.473	0.472		-0.21	20
1,1-Dichloroethene	0.481	0.464		-3.53	20
Acetone	0.368	0.318		-13.59	20
Carbon Disulfide	1.418	1.196		-15.66	20
Methyl tert-butyl Ether	1.580	1.562		-1.14	20
Methyl Acetate	0.729	0.676		-7.27	20
Methylene Chloride	0.579	0.538		-7.08	20
trans-1,2-Dichloroethene	0.530	0.499		-5.85	20
1,1-Dichloroethane	0.952	0.924	0.1	-2.94	20
Cyclohexane	0.847	0.833		-1.65	20
2-Butanone	0.454	0.420		-7.49	20
Carbon Tetrachloride	0.418	0.432		3.35	20
cis-1,2-Dichloroethene	0.599	0.583		-2.67	20
Bromochloromethane	0.332	0.384		15.66	20
Chloroform	0.903	0.893		-1.11	20
1,1,1-Trichloroethane	0.769	0.759		-1.3	20
Methylcyclohexane	0.566	0.578		2.12	20
Benzene	1.412	1.415		0.21	20
1,2-Dichloroethane	0.479	0.478		-0.21	20
Trichloroethene	0.390	0.386		-1.03	20
1,2-Dichloropropane	0.362	0.373		3.04	20
Bromodichloromethane	0.451	0.473		4.88	20
4-Methyl-2-Pentanone	0.527	0.506		-3.98	20
Toluene	0.892	0.891		-0.11	20
t-1,3-Dichloropropene	0.494	0.521		5.47	20
cis-1,3-Dichloropropene	0.550	0.593		7.82	20
1,1,2-Trichloroethane	0.358	0.361		0.84	20
2-Hexanone	0.424	0.408		-3.77	20
Dibromochloromethane	0.355	0.377		6.2	20
1,2-Dibromoethane	0.366	0.370		1.09	20
Tetrachloroethene	0.442	0.452		2.26	20
Chlorobenzene	1.063	1.072	0.3	0.85	20
Ethyl Benzene	1.828	1.900		3.94	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG No.: K6405
 Instrument ID: MSVOA_X Calibration Date/Time: 12/24/2019 09:28
 Lab File ID: VX014232.D Init. Calib. Date(s): 12/13/2019 12/13/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:49 16:45
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.703	0.720		2.42	20
o-Xylene	0.689	0.696		1.02	20
Styrene	1.166	1.204		3.26	20
Bromoform	0.305	0.317	0.1	3.93	20
Isopropylbenzene	3.520	3.682		4.6	20
1,1,2,2-Tetrachloroethane	1.220	1.180	0.3	-3.28	20
1,3-Dichlorobenzene	1.698	1.696		-0.12	20
1,4-Dichlorobenzene	1.726	1.698		-1.62	20
1,2-Dichlorobenzene	1.709	1.696		-0.76	20
1,2-Dibromo-3-Chloropropane	0.270	0.238		-11.85	20
1,2,4-Trichlorobenzene	1.111	1.165		4.86	20
1,2,3-Trichlorobenzene	1.096	1.145		4.47	20
1,2-Dichloroethane-d4	0.567	0.516		-8.99	20
Dibromofluoromethane	0.304	0.292		-3.95	20
Toluene-d8	1.183	1.126		-4.82	20
4-Bromofluorobenzene	0.433	0.402		-7.16	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/26/2019 9:24:17 AM

Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	538017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	799944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	721140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	364828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	277420	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	5.48	113	233691	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	8.71	98	901106	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.13	95	321897	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	218574	45.411	ug/l	98
3) Chloromethane	1.32	50	288933	44.730	ug/l	100
4) Vinyl Chloride	1.40	62	314969	46.211	ug/l	99
5) Bromomethane	1.63	94	197578	40.842	ug/l	99
6) Chloroethane	1.72	64	202320	48.095	ug/l	96
7) Trichlorofluoromethane	1.92	101	411909	48.819	ug/l	100
8) Diethyl Ether	2.18	74	186997	47.223	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	253752	49.892	ug/l	99
10) Methyl Iodide	2.50	142	308433	46.195	ug/l	99
11) Tert butyl alcohol	3.03	59	261209	198.251	ug/l	99
12) 1,1-Dichloroethene	2.37	96	249682	48.244	ug/l	97
13) Acrolein	2.28	56	200207	265.450	ug/l	99
14) Allyl chloride	2.72	41	451854	48.899	ug/l	99
15) Acrylonitrile	3.13	53	717807	233.411	ug/l	100
16) Acetone	2.43	43	855627	216.138	ug/l	100
17) Carbon Disulfide	2.56	76	643618	44.874	ug/l	100
18) Methyl Acetate	2.76	43	363750	46.371	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	840210	49.405	ug/l	97
20) Methylene Chloride	2.85	84	289346	46.415	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	268679	47.123	ug/l	97
22) Diisopropyl ether	3.84	45	931509	50.587	ug/l	95
23) Vinyl Acetate	3.80	43	3855874	256.599	ug/l	100
24) 1,1-Dichloroethane	3.69	63	496965	48.509	ug/l	99
25) 2-Butanone	4.65	43	1130972	231.727	ug/l	99
26) 2,2-Dichloropropane	4.57	77	398373	50.083	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	313411	48.604	ug/l	99
28) Bromochloromethane	5.00	49	206498	52.389	ug/l	100
29) Tetrahydrofuran	5.11	42	631288	231.254	ug/l	100
30) Chloroform	5.19	83	480612	49.487	ug/l	99
31) Cyclohexane	5.57	56	448148	49.184	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	408230	49.320	ug/l	99
36) 1,1-Dichloropropene	5.79	75	369030	50.277	ug/l	100
37) Ethyl Acetate	4.81	43	391846	48.344	ug/l	99
38) Carbon Tetrachloride	5.78	117	345407	51.657	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	462479	51.029	ug/l	98
40) Benzene	6.13	78	1131829	50.116	ug/l	99
41) Methacrylonitrile	5.02	41	222938	49.572	ug/l	98
42) 1,2-Dichloroethane	6.18	62	382596	49.977	ug/l	99
43) Isopropyl Acetate	6.43	43	663961	49.498	ug/l	99
44) Trichloroethene	7.20	130	309152	49.560	ug/l	99
45) 1,2-Dichloropropane	7.50	63	298522	51.571	ug/l	96
46) Dibromomethane	7.65	93	188328	49.209	ug/l	99
47) Bromodichloromethane	7.89	83	378043	52.450	ug/l	100
48) Methyl methacrylate	7.76	41	324887	49.462	ug/l	100
49) 1,4-Dioxane	7.73	88	113834	851.606	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	2025209	240.403	ug/l	99
52) Toluene	8.78	92	712371	49.904	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	416802	52.738	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	474369	53.876	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	288971	50.509	ug/l	97
56) Ethyl methacrylate	9.17	69	456119	50.753	ug/l	100
57) 1,3-Dichloropropane	9.36	76	486497	50.541	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	889280	261.476	ug/l	100
59) 2-Hexanone	9.48	43	1633033	240.807	ug/l	99
60) Dibromochloromethane	9.57	129	301830	53.075	ug/l	98
61) 1,2-Dibromoethane	9.67	107	296106	50.585	ug/l	100
64) Tetrachloroethene	9.33	164	325995	51.087	ug/l	96
65) Chlorobenzene	10.13	112	773248	50.430	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	282187	51.543	ug/l	100
67) Ethyl Benzene	10.24	91	1370211	51.978	ug/l	100
68) m/p-Xylenes	10.35	106	1038568	102.434	ug/l	99
69) o-Xylene	10.69	106	501730	50.456	ug/l	99
70) Styrene	10.71	104	868432	51.647	ug/l	99
71) Bromoform	10.85	173	228665	51.959	ug/l #	100
73) Isopropylbenzene	11.01	105	1343255	52.294	ug/l	100
74) N-amyl acetate	10.89	43	583308	48.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	430598	48.353	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	352974m	44.565	ug/l	
77) Bromobenzene	11.25	156	343403	48.590	ug/l	100
78) n-propylbenzene	11.35	91	1555769	53.997	ug/l	100
79) 2-Chlorotoluene	11.42	91	894742	51.087	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1128209	52.188	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	144690	51.562	ug/l	99
82) 4-Chlorotoluene	11.51	91	1042921	51.335	ug/l	99
83) tert-Butylbenzene	11.76	119	1099381	52.257	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1133384	52.352	ug/l	99
85) sec-Butylbenzene	11.94	105	1317333	53.042	ug/l	100
86) p-Isopropyltoluene	12.06	119	1221673	53.775	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	618856	49.963	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	619591	49.196	ug/l	99
89) n-Butylbenzene	12.38	91	1075223	55.468	ug/l	100
90) Hexachloroethane	12.59	117	212847	52.161	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	618701	49.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	86939	44.116	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	424939	52.435	ug/l	98
94) Hexachlorobutadiene	13.77	225	205721	52.819	ug/l	98
95) Naphthalene	13.83	128	1225726	51.478	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	417828	52.228	ug/l	97

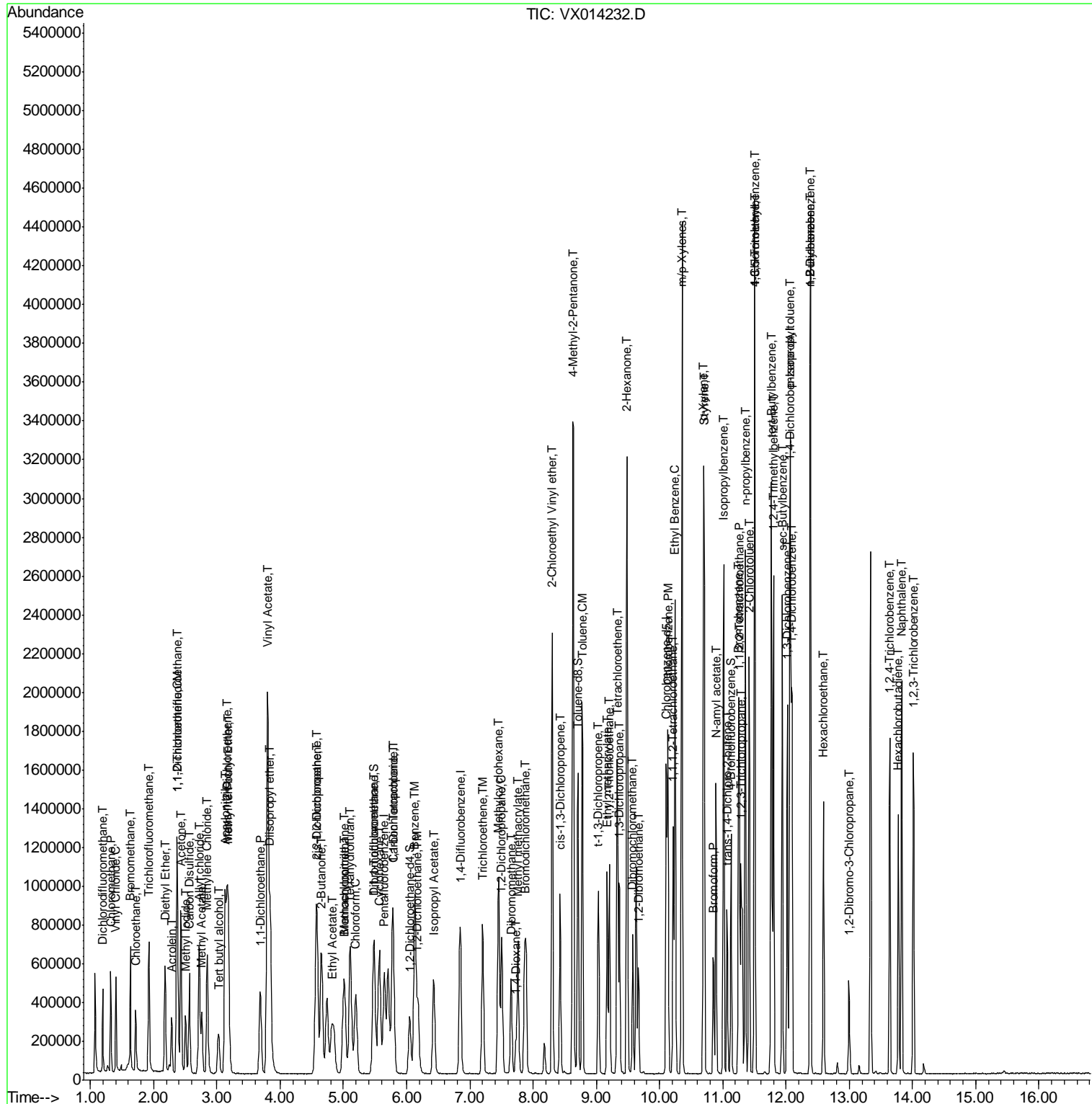
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

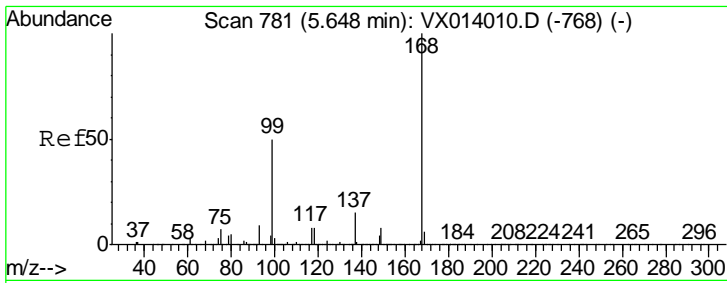
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDCCC050

Manual Integrations
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Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



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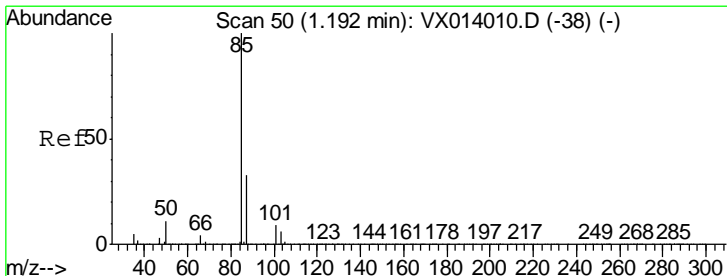
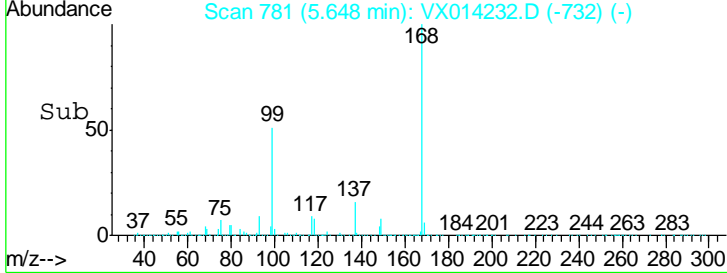
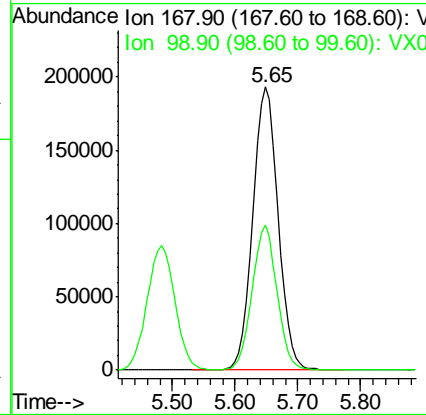
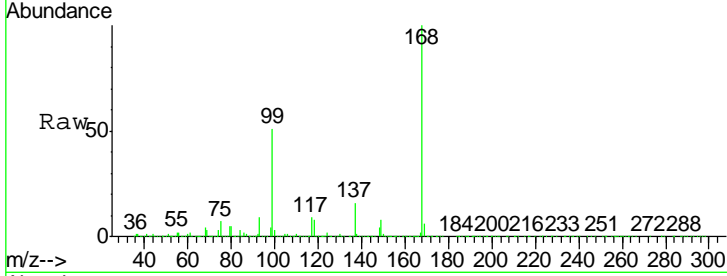


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

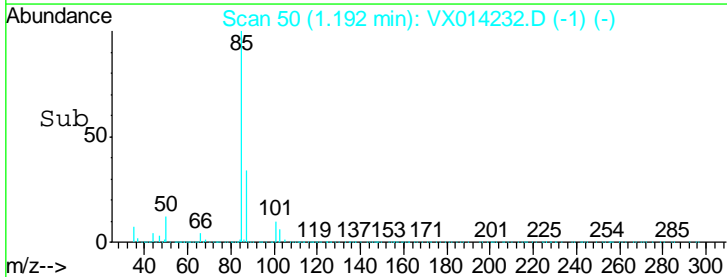
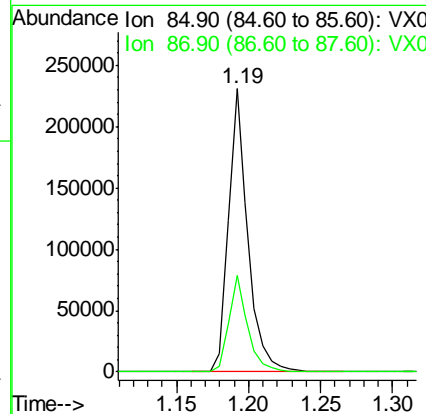
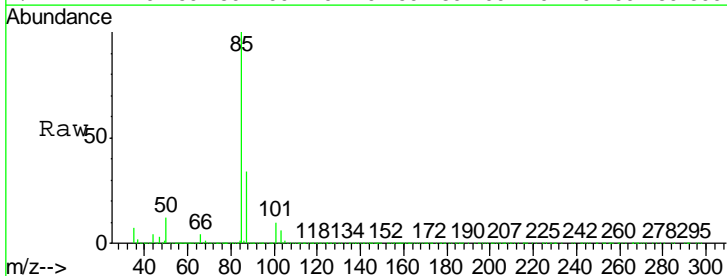
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.0	40.3	60.5

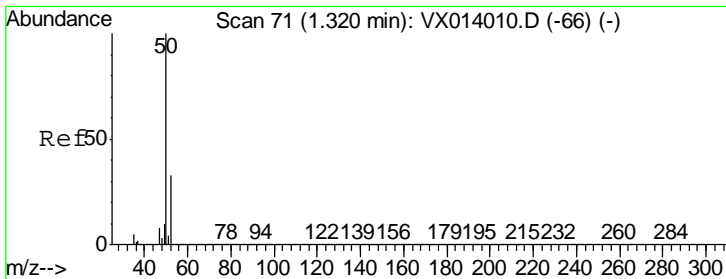
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#2
 Dichlorodifluoromethane
 Concen: 45.411 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
85	100		
87	34.1	16.4	49.2



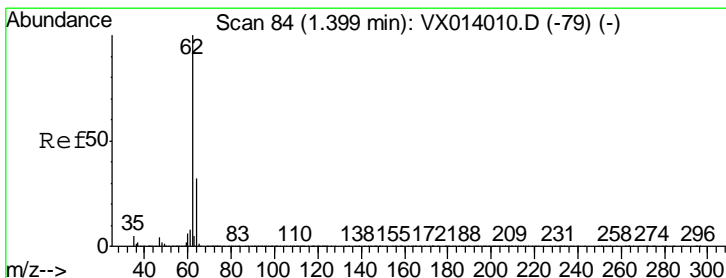
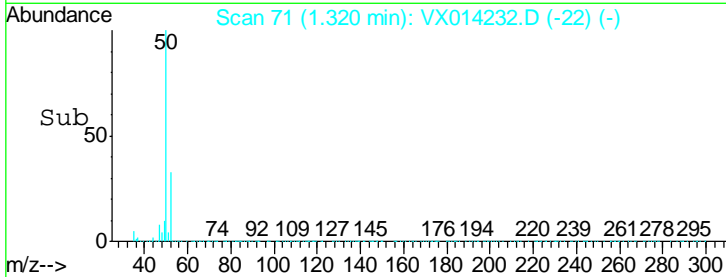
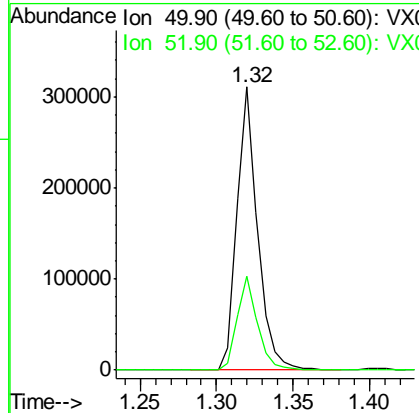
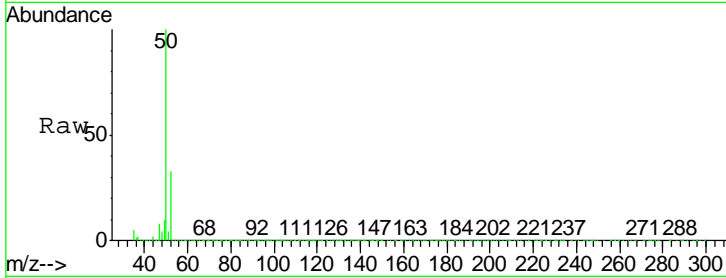


#3
 Chloromethane
 Concen: 44.730 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.0	26.2	39.4

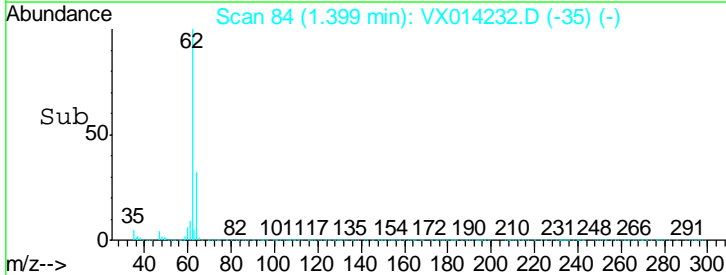
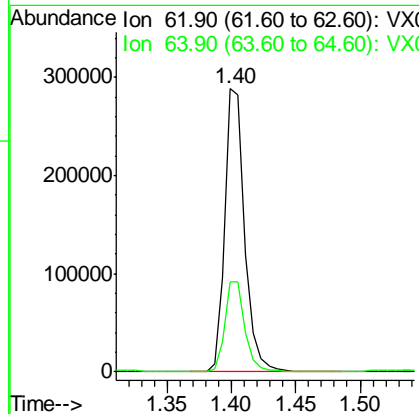
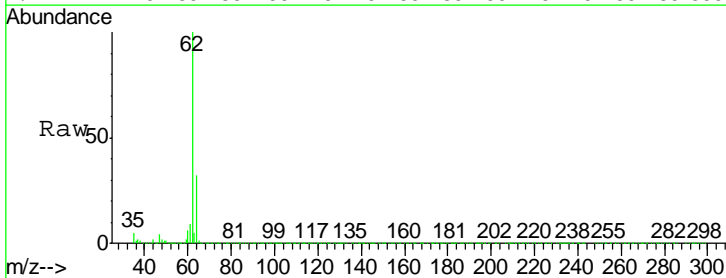
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

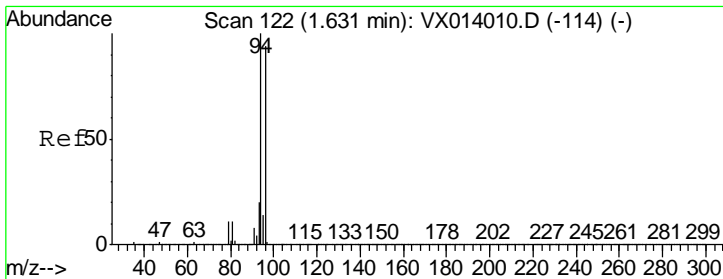
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#4
 Vinyl Chloride
 Concen: 46.211 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.7	25.7	38.5



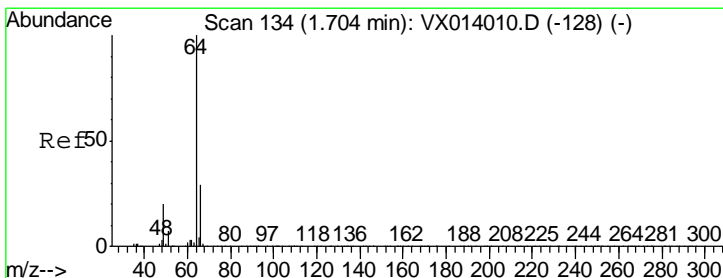
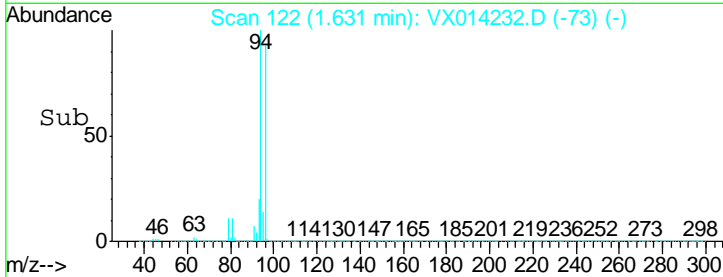
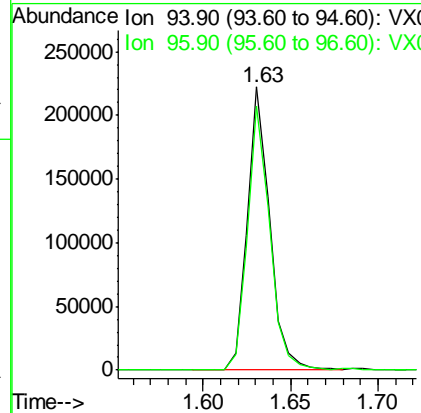
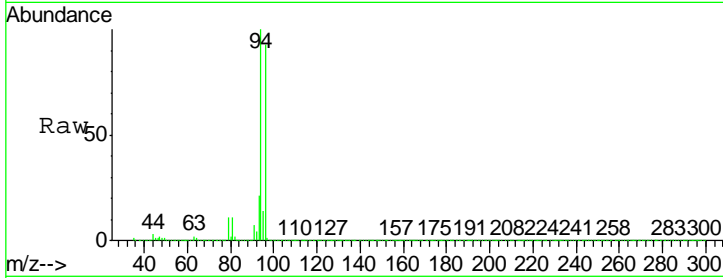


#5
 Bromomethane
 Concen: 40.842 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
94	197578		
94	100		
96	93.3	75.2	112.8

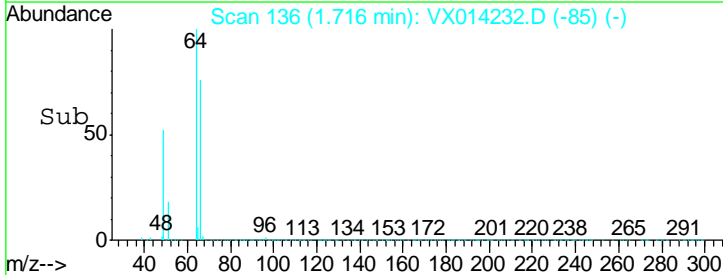
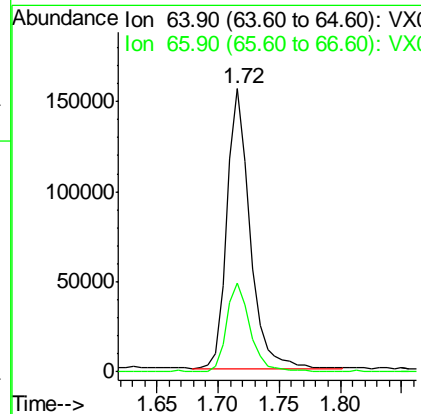
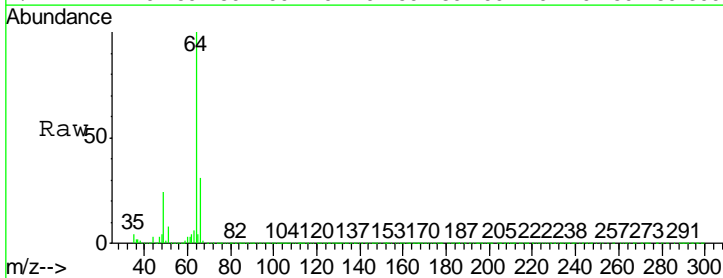
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

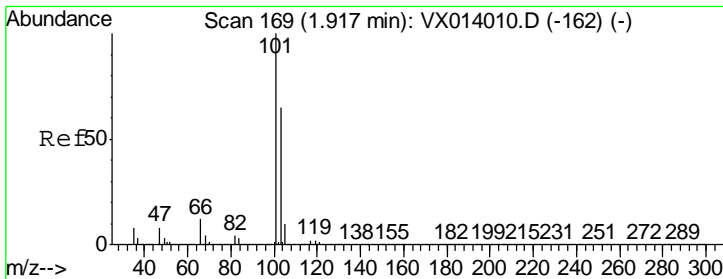
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 48.095 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
64	202320		
64	100		
66	31.4	23.4	35.2





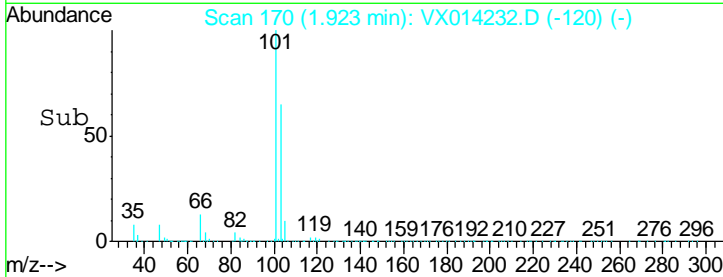
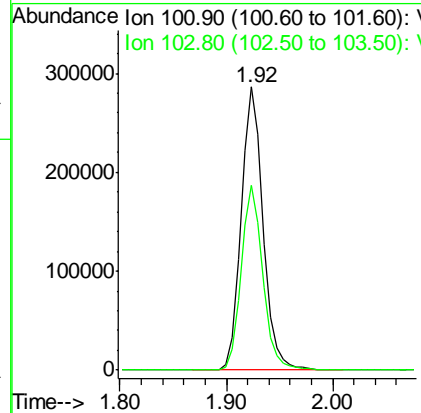
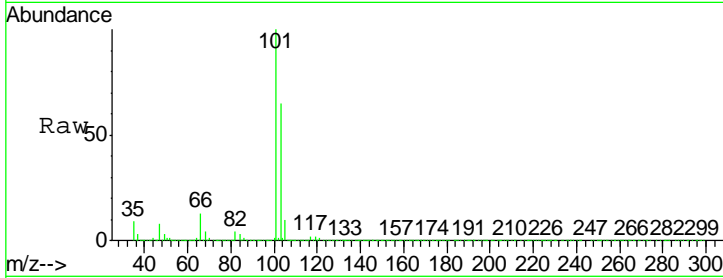
#7
 Trichlorofluoromethane
 Concen: 48.819 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
101	411909		
103	65.4	52.2	78.4

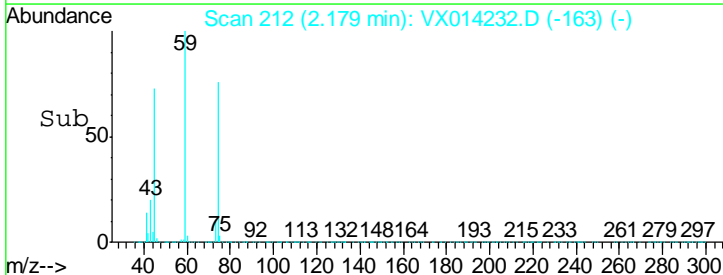
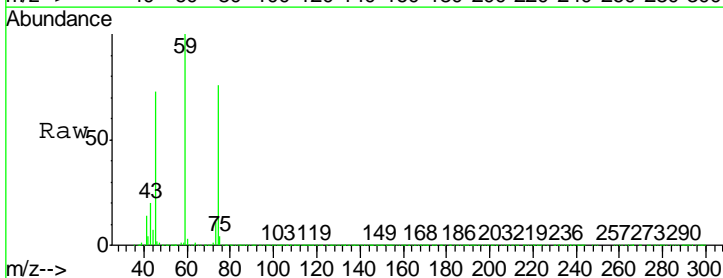
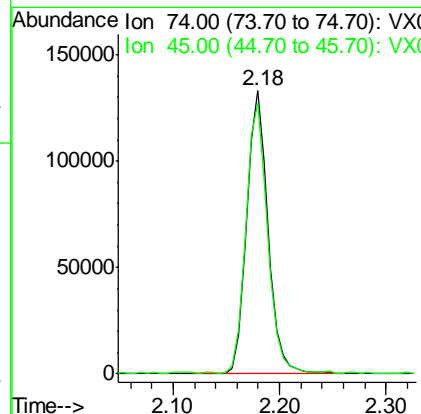
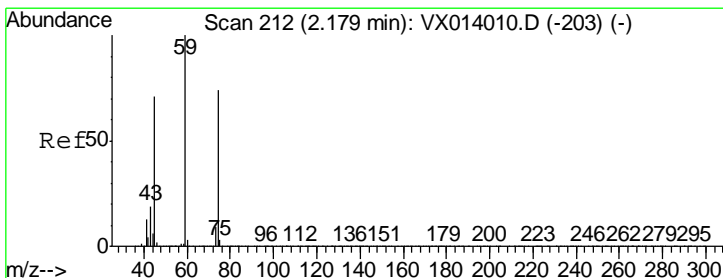
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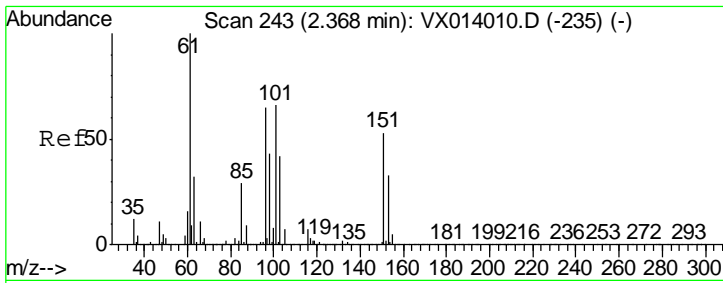
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#8
 Diethyl Ether
 Concen: 47.223 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

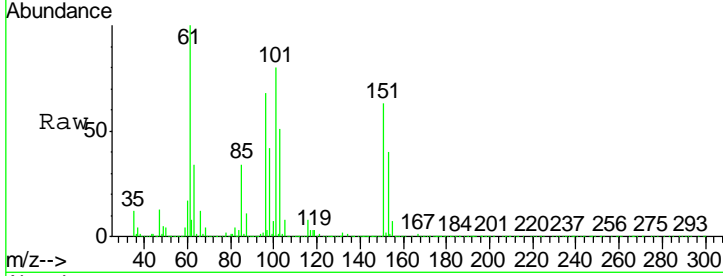
Tgt Ion	Resp	Lower	Upper
74	186997		
45	96.9	48.1	144.3





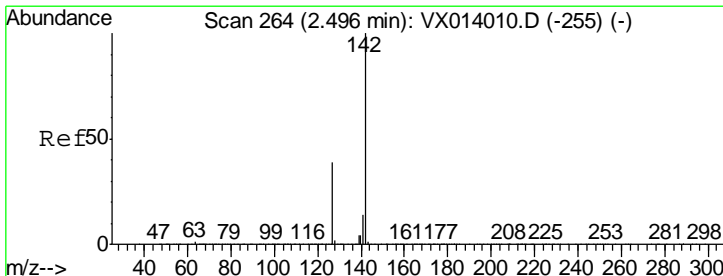
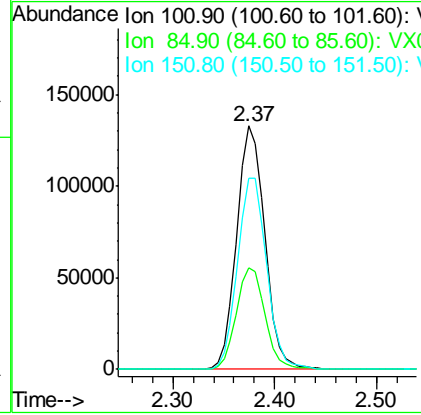
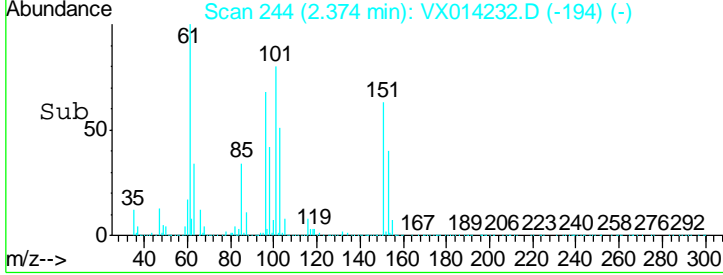
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.892 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDC050

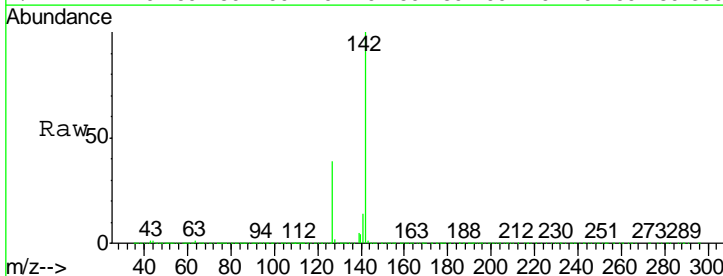


Tgt Ion	Resp	Lower	Upper
101	253752		
101	100		
85	42.6	33.7	50.5
151	81.4	64.5	96.7

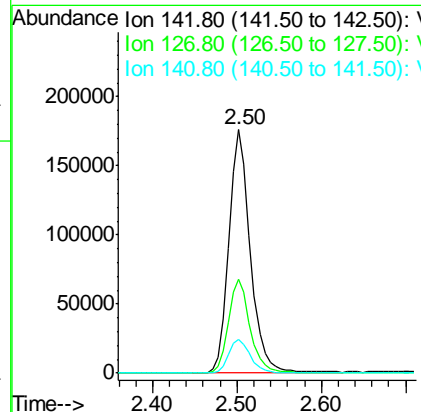
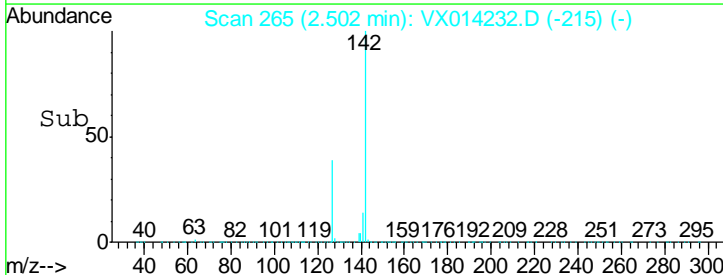
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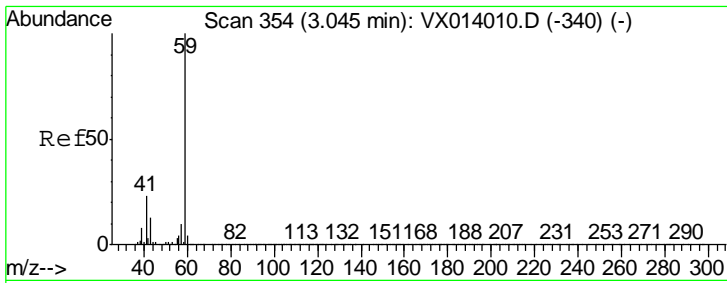


#10
 Methyl Iodide
 Concen: 46.195 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28



Tgt Ion	Resp	Lower	Upper
142	308433		
142	100		
127	38.7	31.6	47.4
141	14.2	11.6	17.4



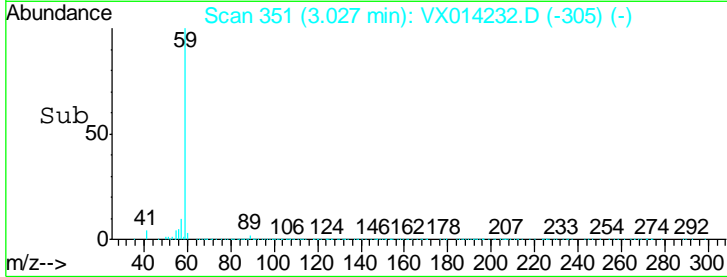
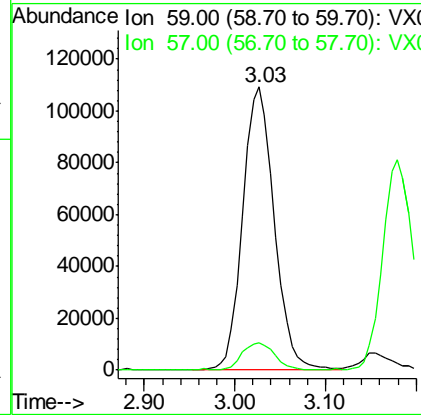
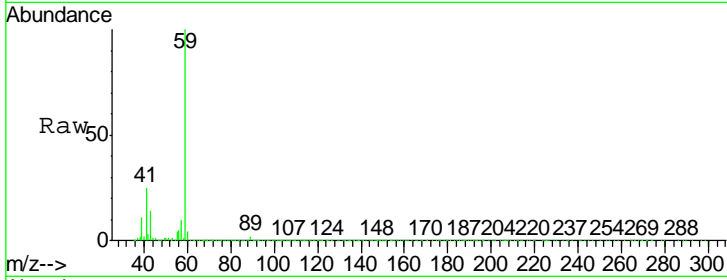


#11
 Tert butyl alcohol
 Concen: 198.251 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.0	8.4	12.6

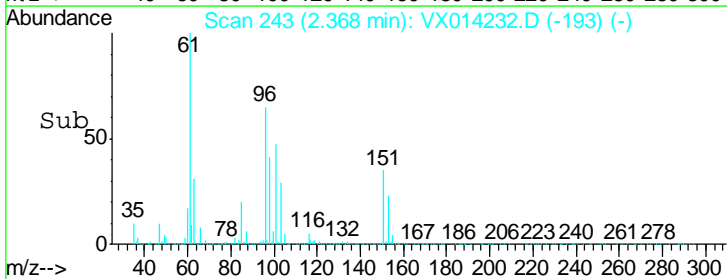
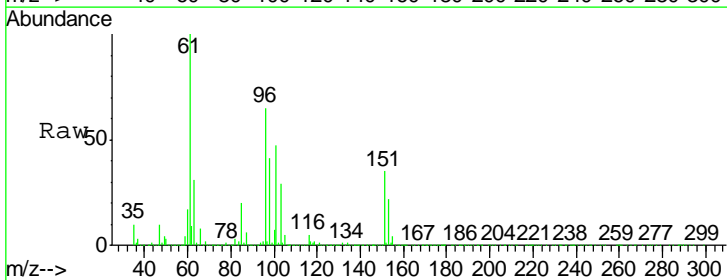
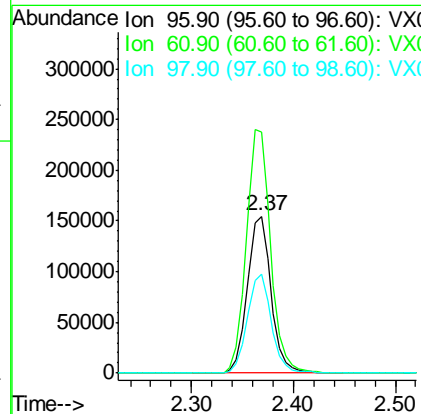
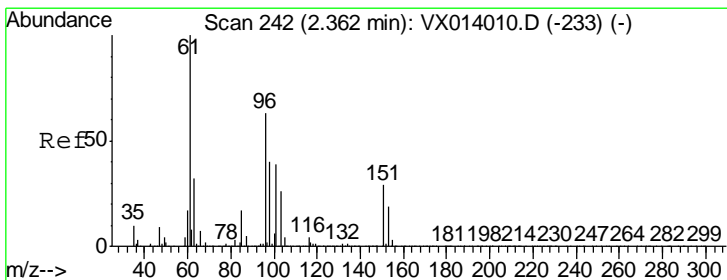
Instrument : MSVOA_X
 ClientSampled : VSTDC050

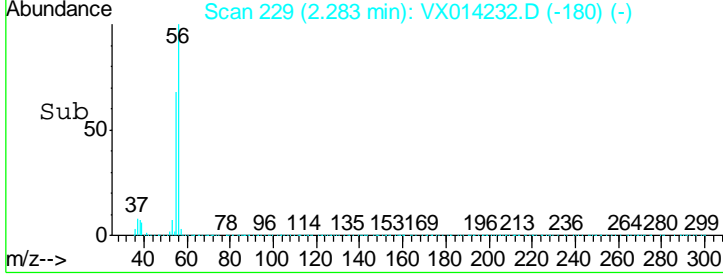
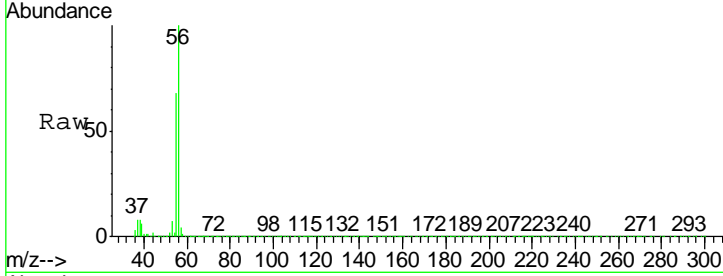
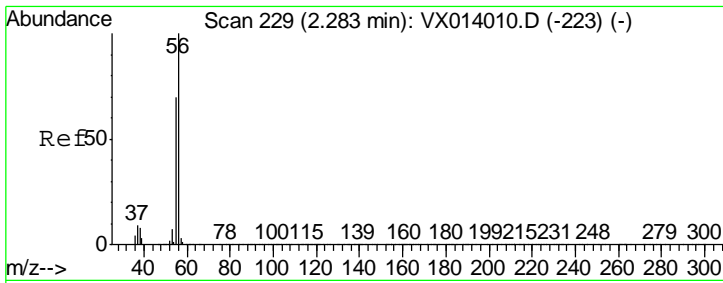
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#12
 1,1-Dichloroethene
 Concen: 48.244 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
96	100		
61	153.9	127.9	191.9
98	63.4	50.5	75.7



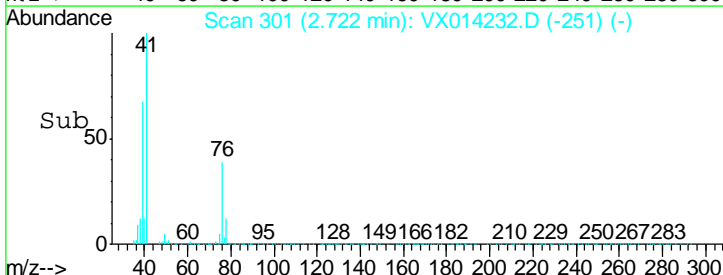
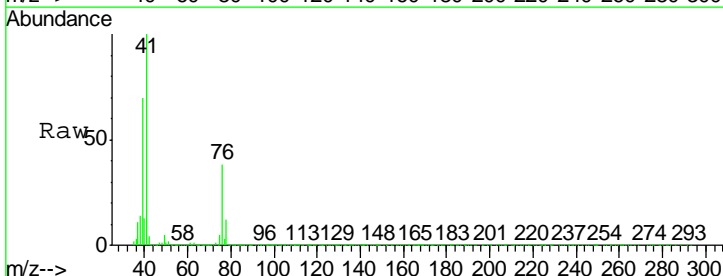
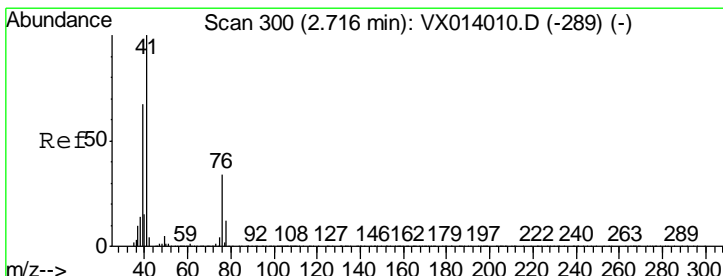
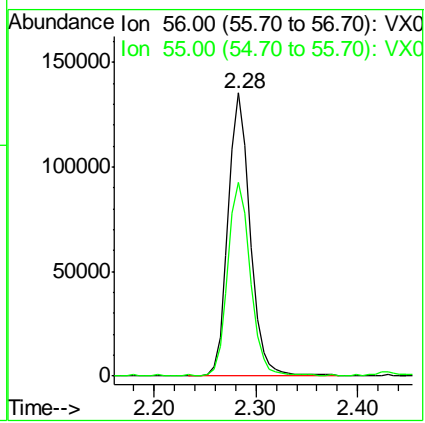


#13
 Acrolein
 Concen: 265.450 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
56	200207		
55	70.1	56.9	85.3

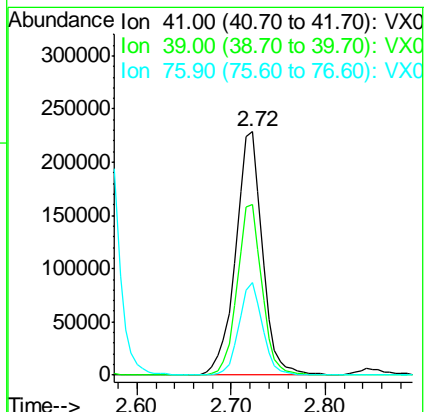
Instrument : MSVOA_X
 Client Sampled : VSTDC050

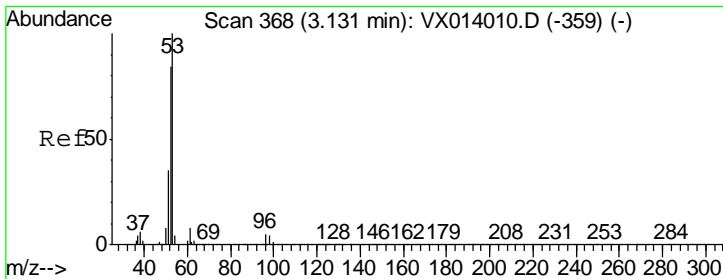
Manual Integrations APPROVED
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#14
 Allyl chloride
 Concen: 48.899 ug/l
 RT: 2.72 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
41	451854		
39	65.0	51.8	77.8
76	33.1	25.9	38.9



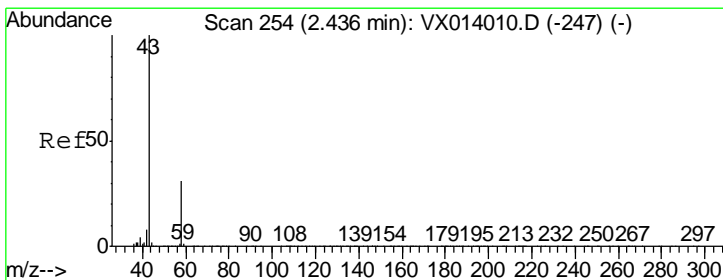
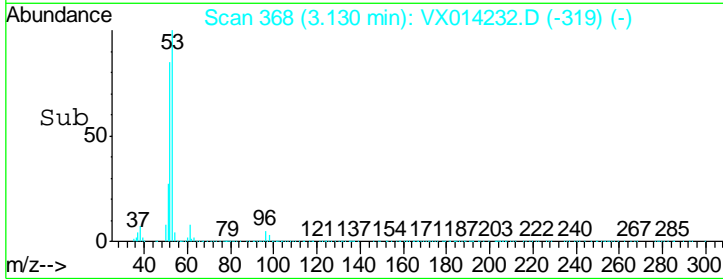
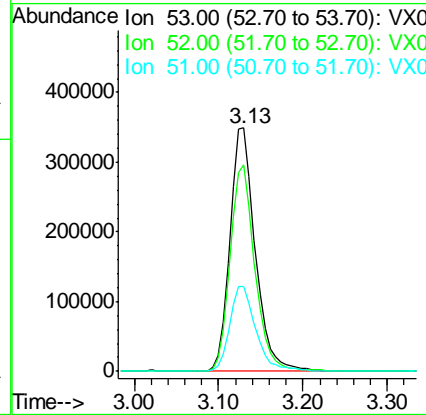
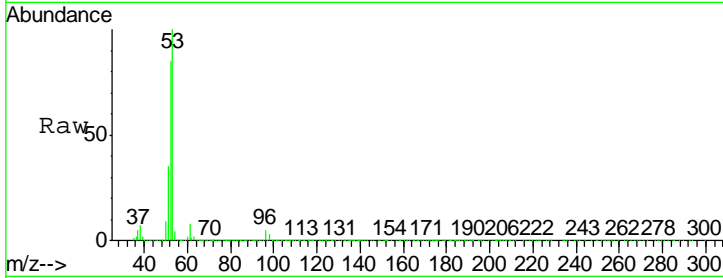


#15
 Acrylonitrile
 Concen: 233.411 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	35.8	28.1	42.1

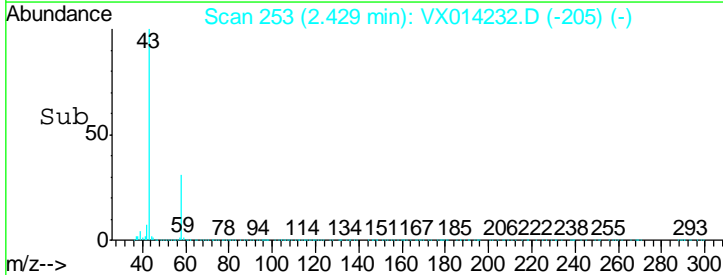
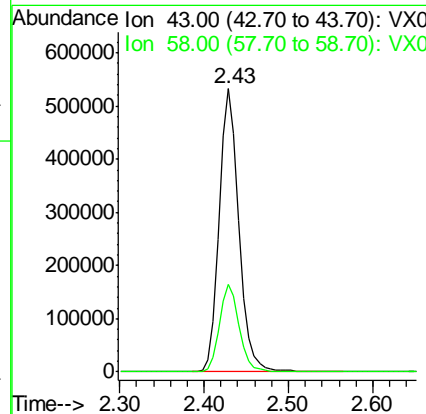
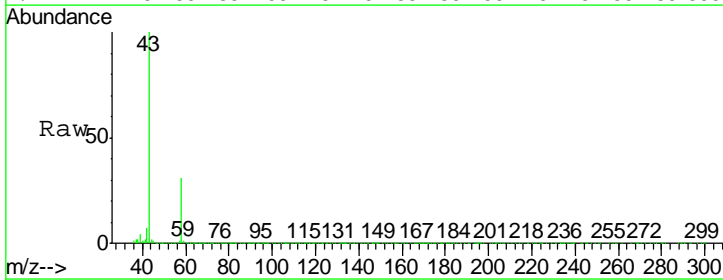
Instrument : MSVOA_X
 ClientSampleId : VSTDC0050

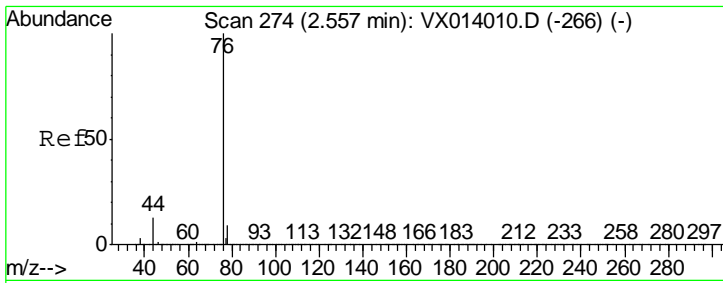
Manual Integrations APPROVED
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#16
 Acetone
 Concen: 216.138 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.1	24.9	37.3



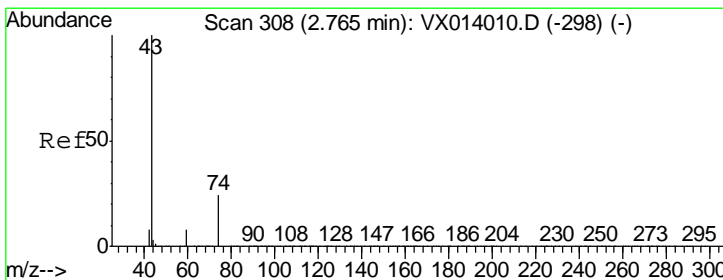
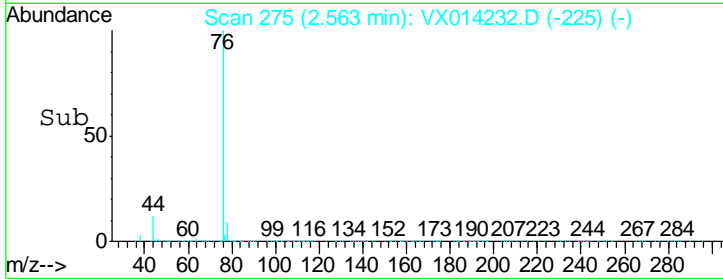
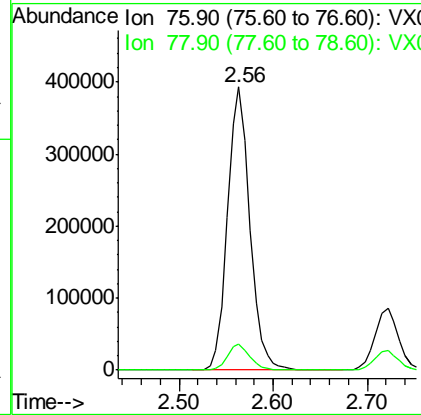
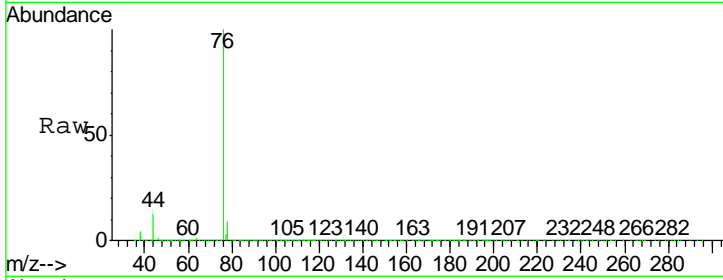


#17
 Carbon Disulfide
 Concen: 44.874 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
76	643618		
76	100		
78	9.0	7.2	10.8

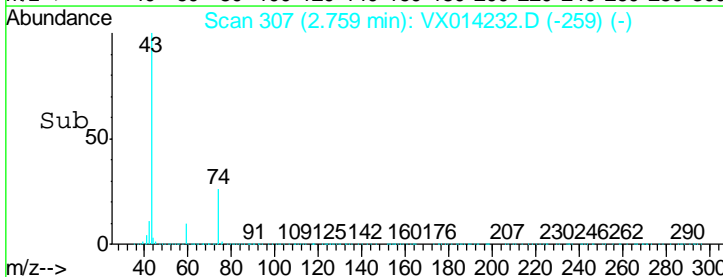
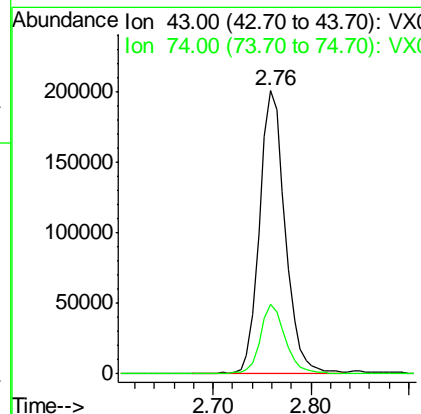
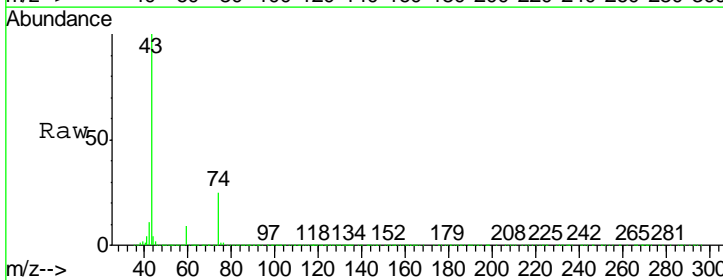
Instrument : MSVOA_X
 ClientSampled : VSTDC050

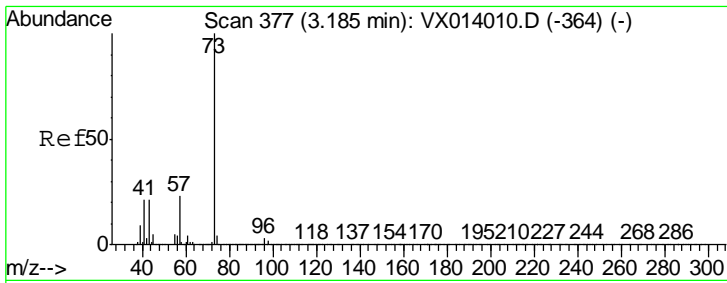
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#18
 Methyl Acetate
 Concen: 46.371 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
43	363750		
43	100		
74	23.9	19.5	29.3



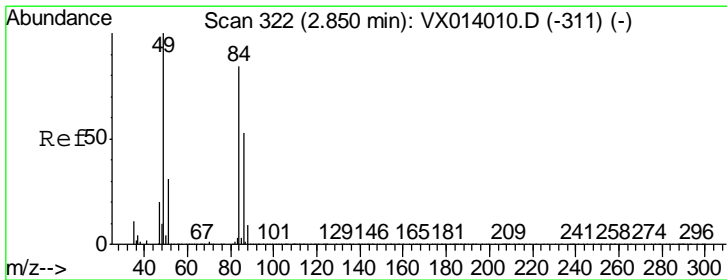
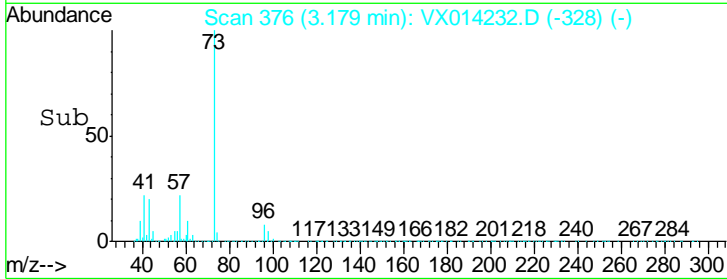
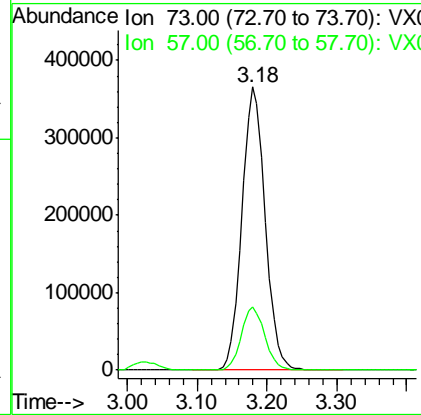
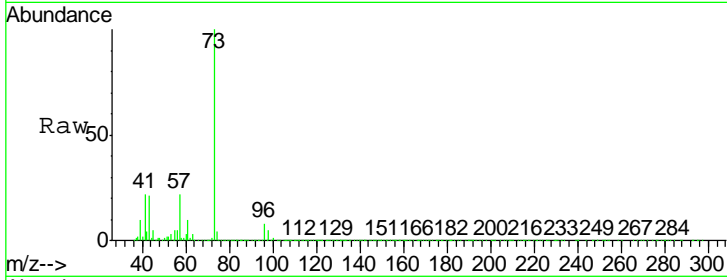


#19
Methyl tert-butyl Ether
Concen: 49.405 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.2	18.8	28.2

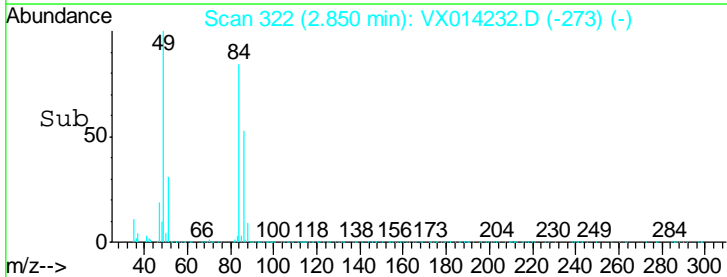
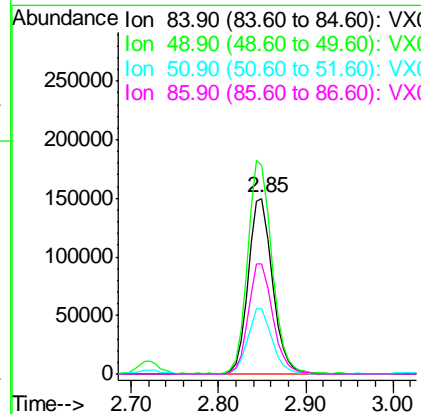
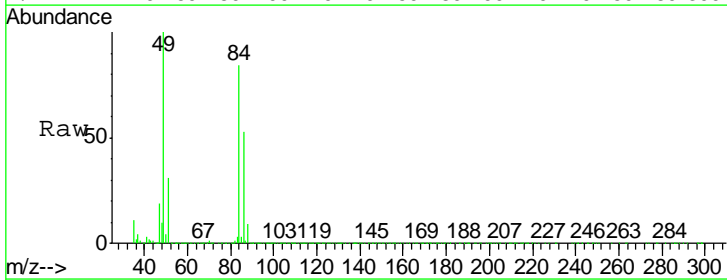
Instrument : MSVOA_X
ClientSampled : VSTDCCC050

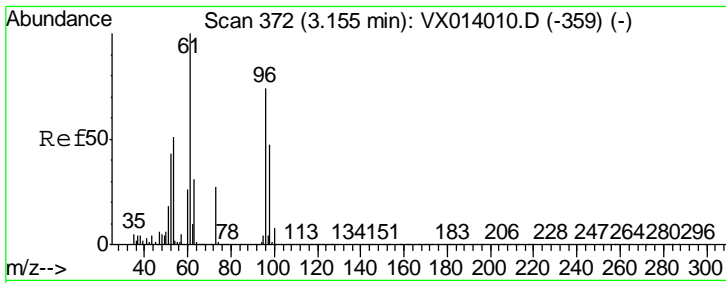
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#20
Methylene Chloride
Concen: 46.415 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

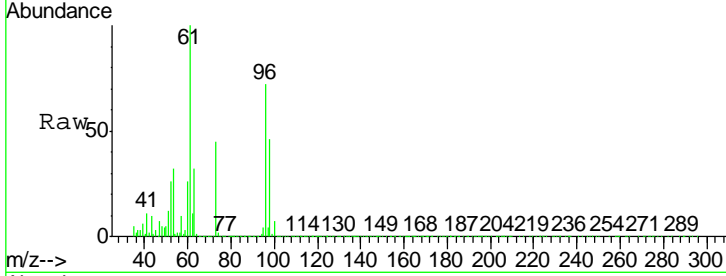
Tgt Ion	Resp	Lower	Upper
84	100		
49	118.7	95.8	143.6
51	36.7	29.8	44.8
86	62.7	50.8	76.2





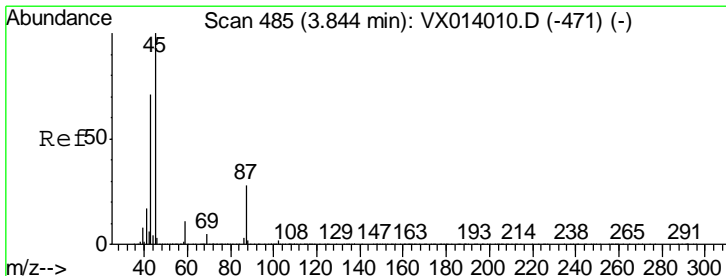
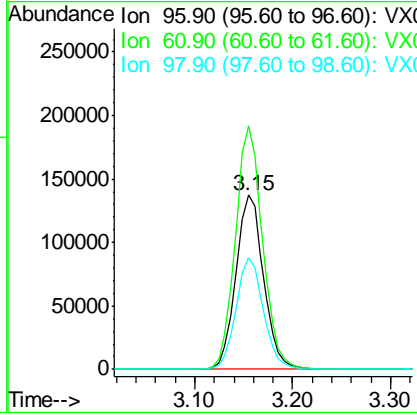
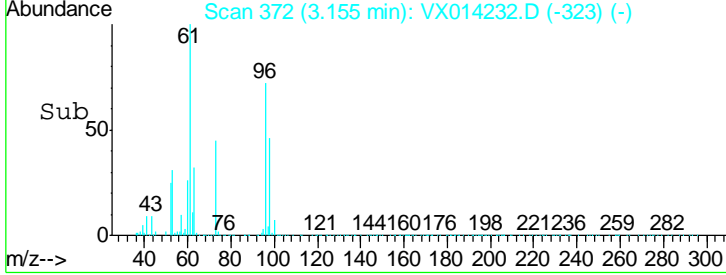
#21
 trans-1,2-Dichloroethene
 Concen: 47.123 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

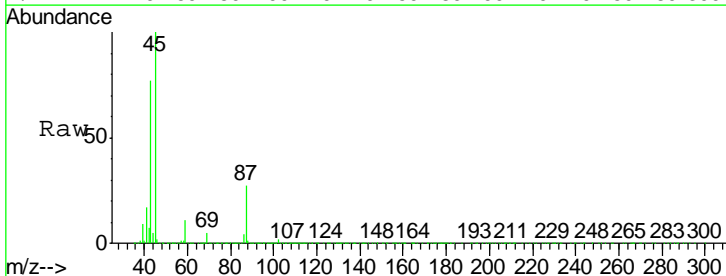


Tgt Ion	Resp	Lower	Upper
96	268679		
61	139.8	108.3	162.5
98	64.3	50.8	76.2

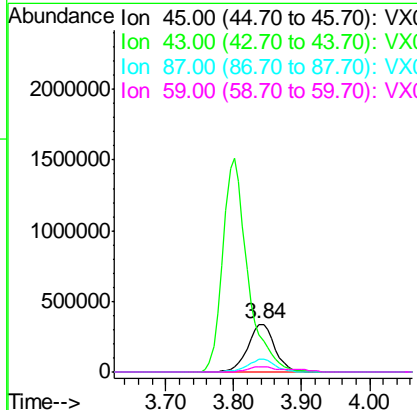
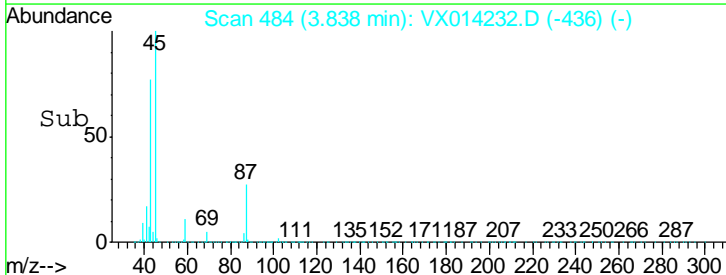
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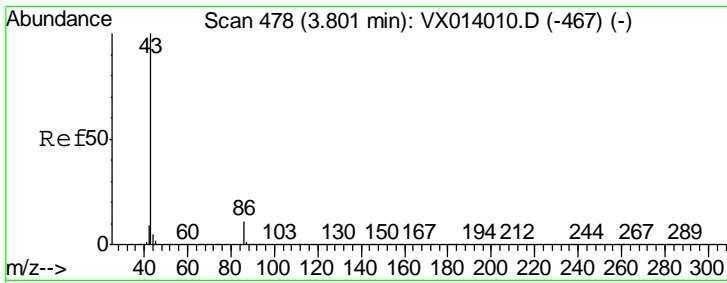


#22
 Diisopropyl ether
 Concen: 50.587 ug/l
 RT: 3.84 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28



Tgt Ion	Resp	Lower	Upper
45	931509		
43	77.3	57.4	86.0
87	26.6	21.9	32.9
59	10.8	9.0	13.6





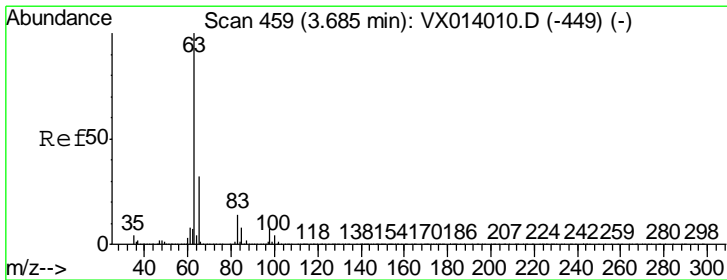
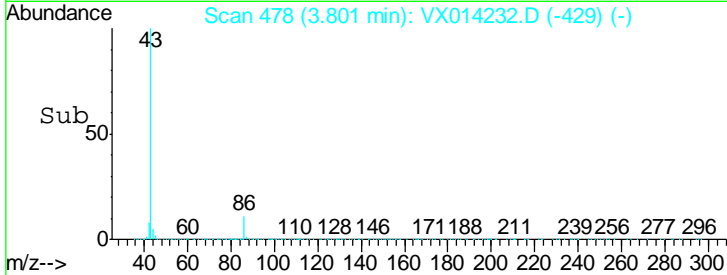
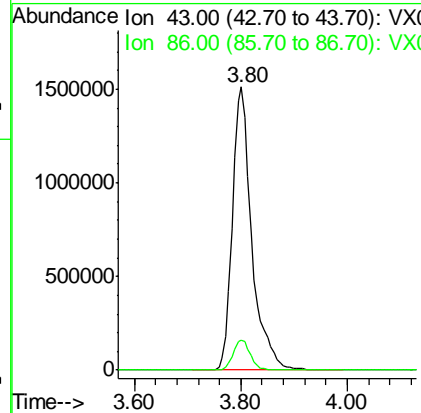
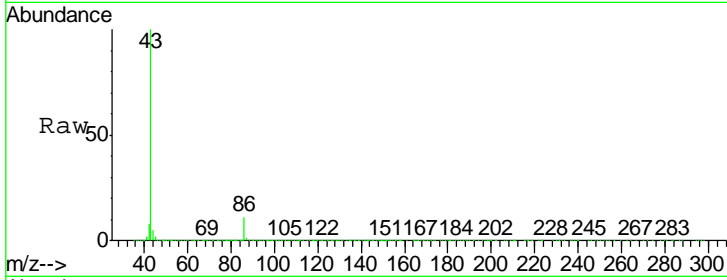
#23
 Vinyl Acetate
 Concen: 256.599 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 43 Resp: 3855874

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

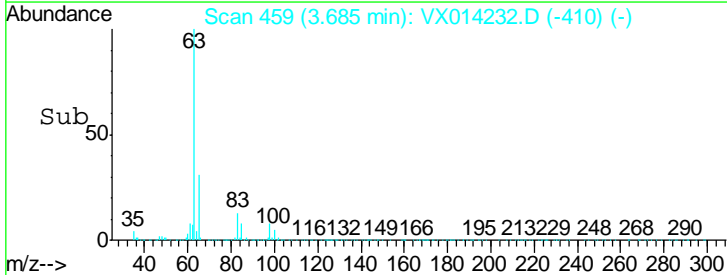
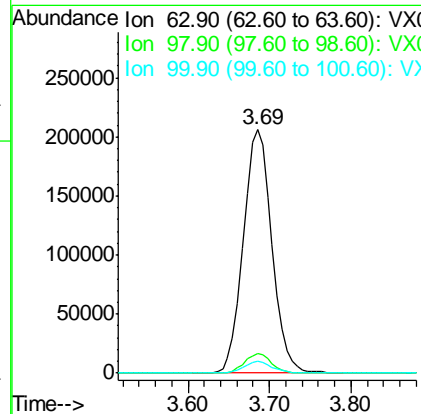
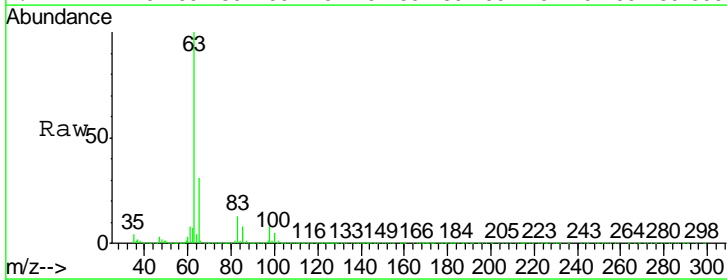
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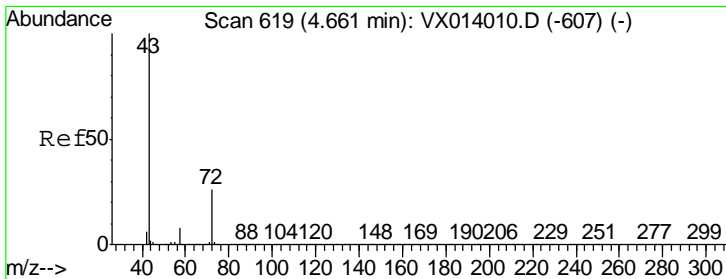


#24
 1,1-Dichloroethane
 Concen: 48.509 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 63 Resp: 496965

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.6	10.8
100	4.7	2.3	6.8





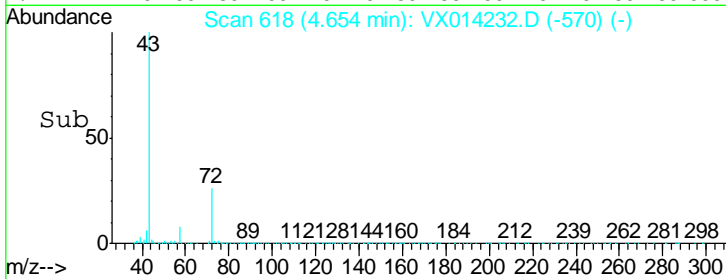
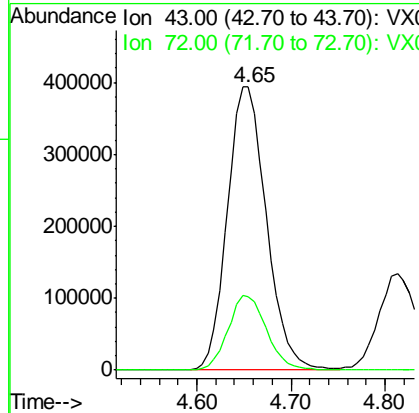
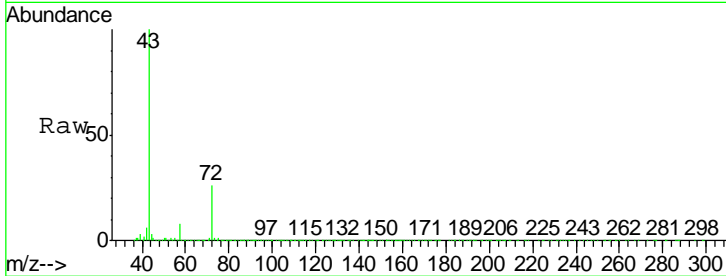
#25
 2-Butanone
 Concen: 231.727 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 43 Resp: 1130972

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.0	31.4

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

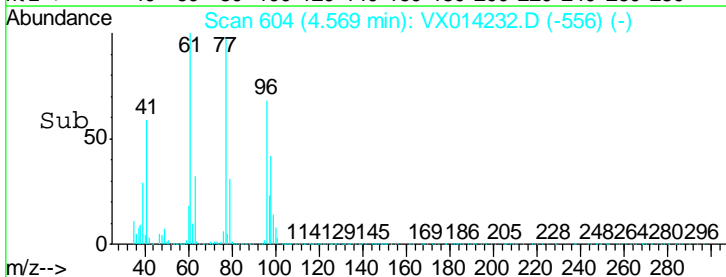
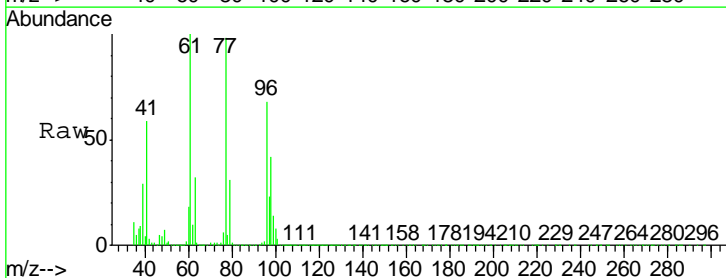
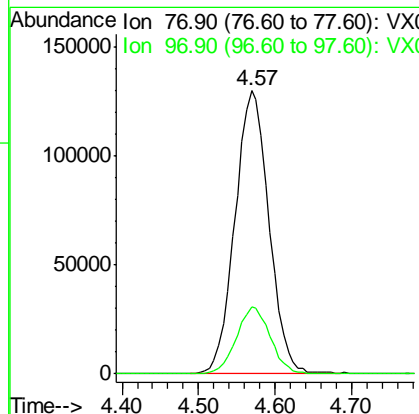
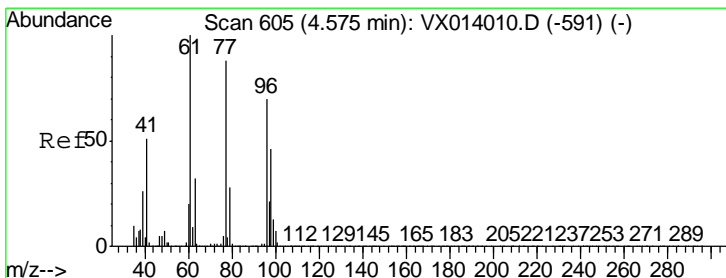
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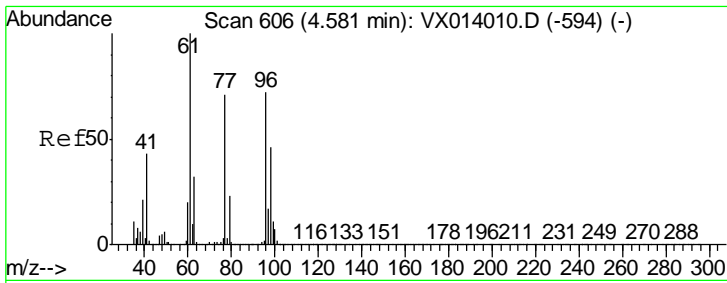


#26
 2,2-Dichloropropane
 Concen: 50.083 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 77 Resp: 398373

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.9	35.9





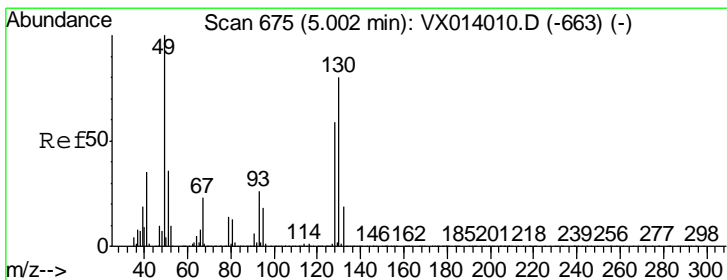
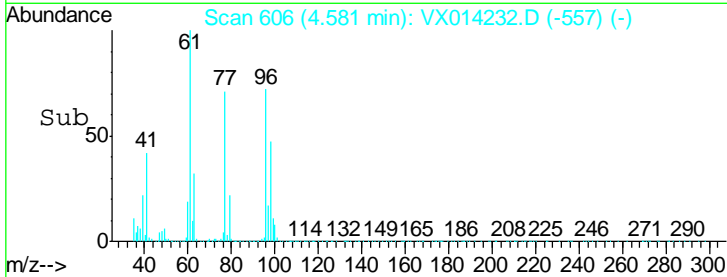
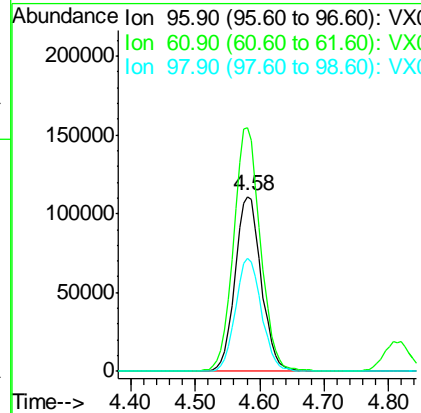
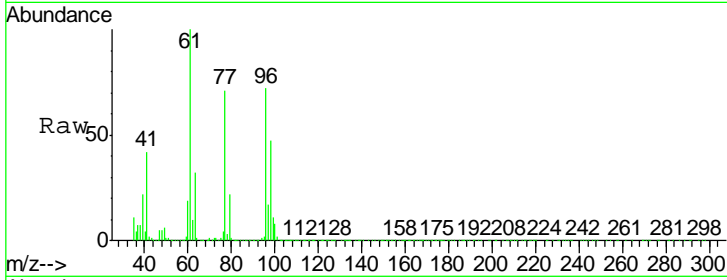
#27
 cis-1,2-Dichloroethene
 Concen: 48.604 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
96	313411		
96	100		
61	143.5	0.0	288.4
98	64.3	0.0	129.6

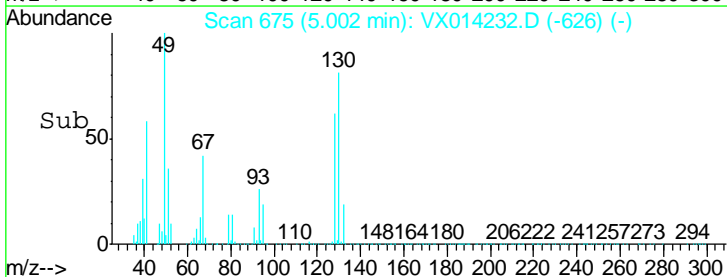
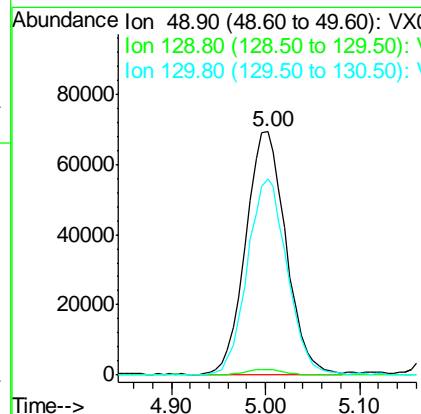
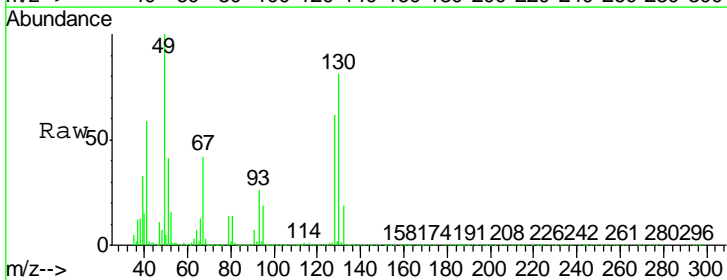
Manual Integrations
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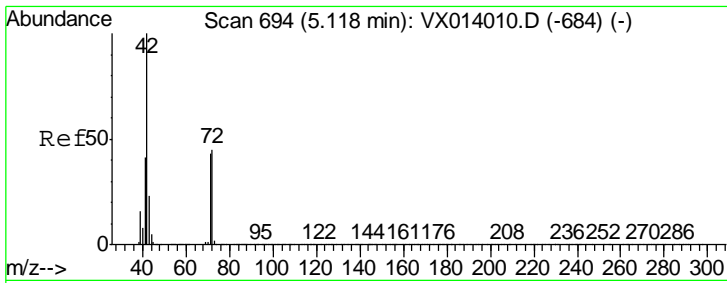
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#28
 Bromochloromethane
 Concen: 52.389 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
49	206498		
49	100		
129	2.4	0.0	5.0
130	80.4	64.6	97.0



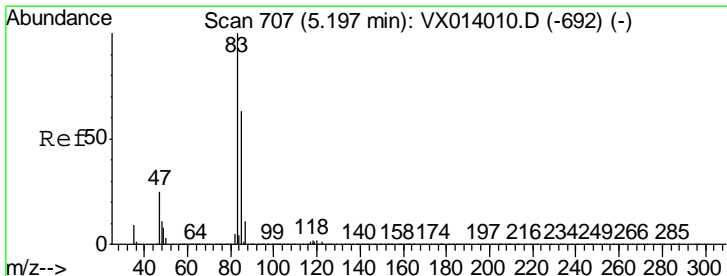
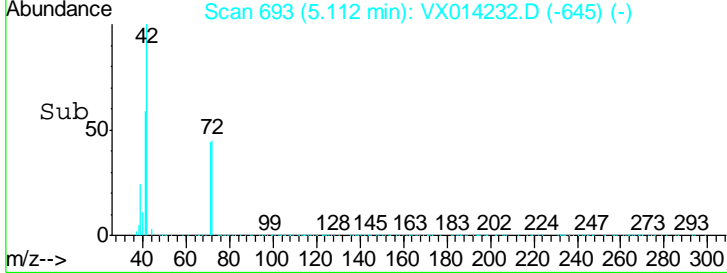
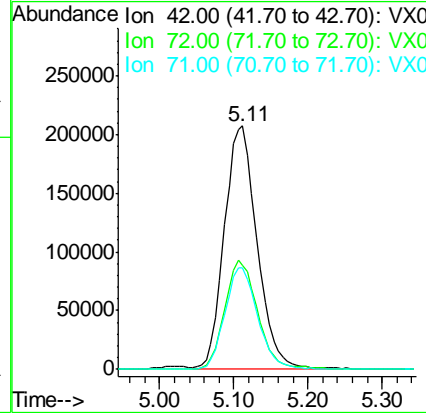
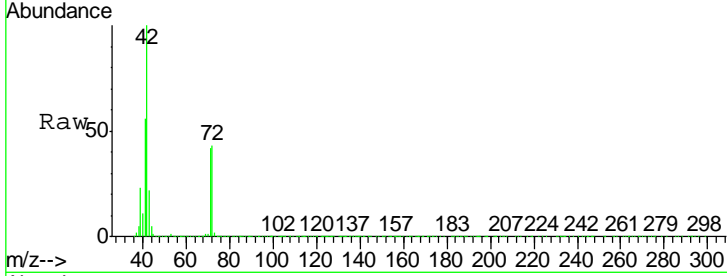


#29
 Tetrahydrofuran
 Concen: 231.254 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
42	100		
72	45.0	35.8	53.8
71	41.9	33.6	50.4

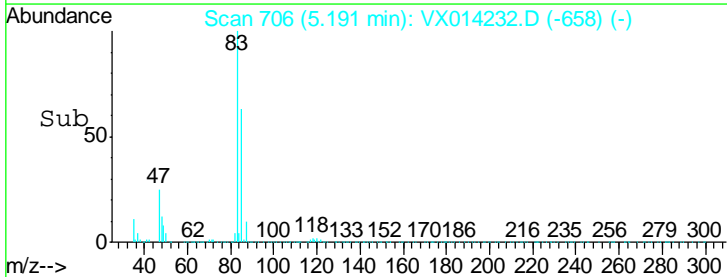
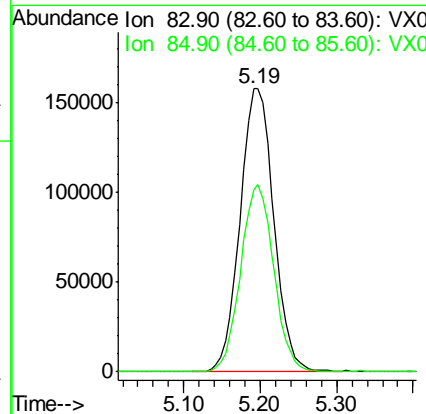
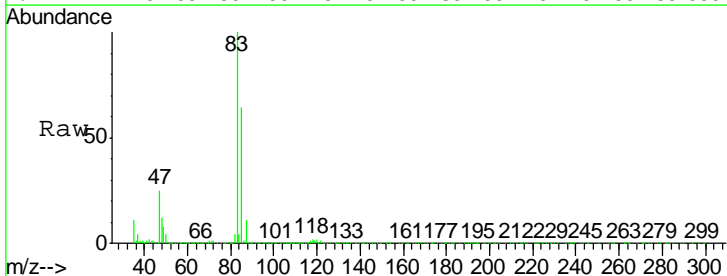
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

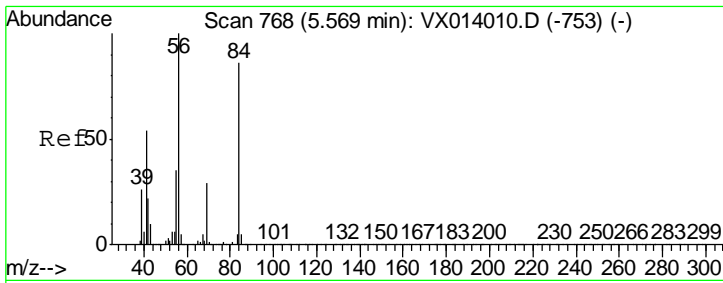
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#30
 Chloroform
 Concen: 49.487 ug/l
 RT: 5.19 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

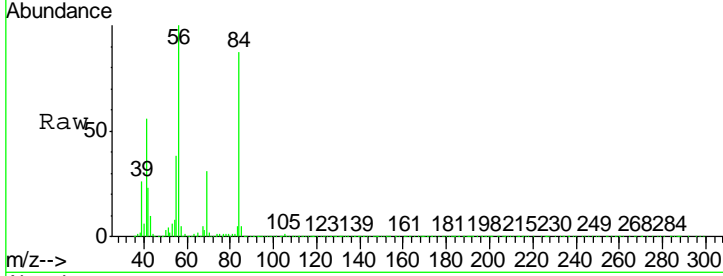
Tgt Ion	Resp	Lower	Upper
83	100		
85	64.1	50.8	76.2





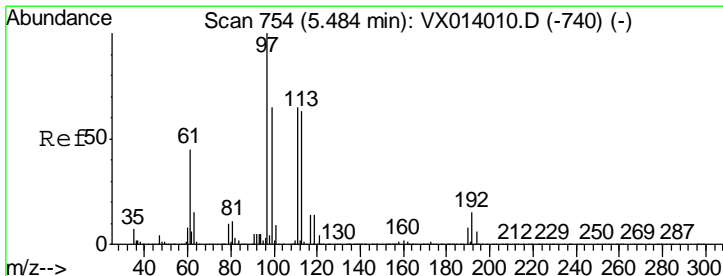
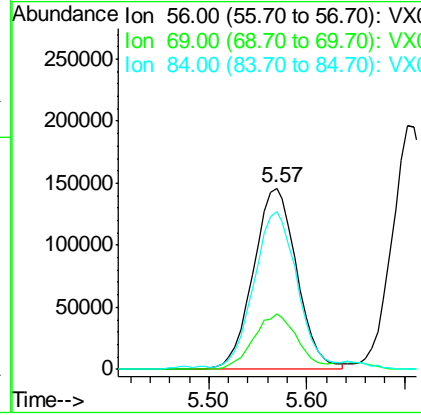
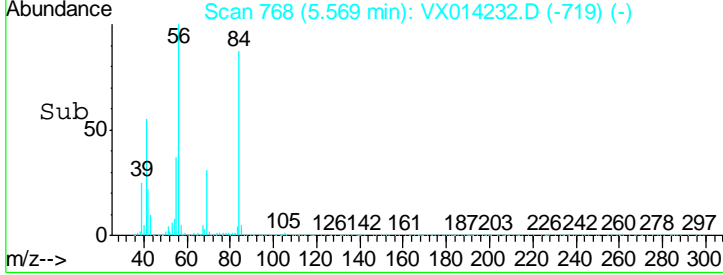
#31
 Cyclohexane
 Concen: 49.184 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

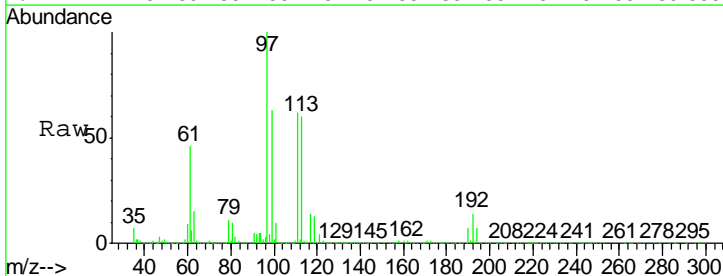


Tgt Ion	Resp	Lower	Upper
56	100		
69	30.6	23.2	34.8
84	85.7	69.2	103.8

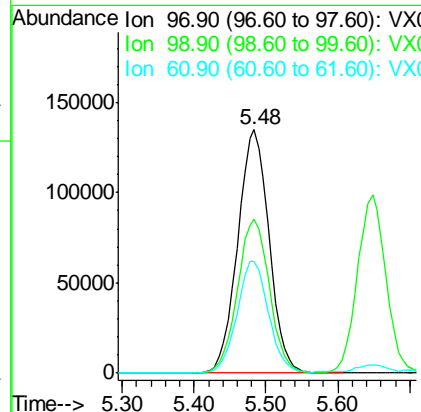
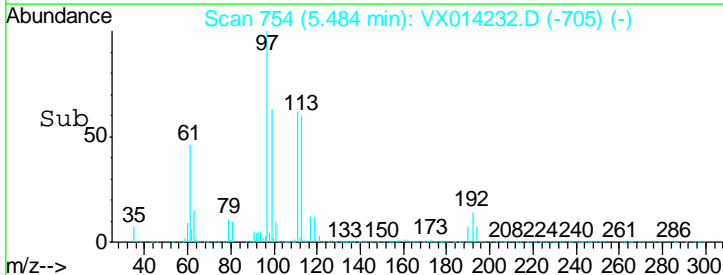
Manual Integrations
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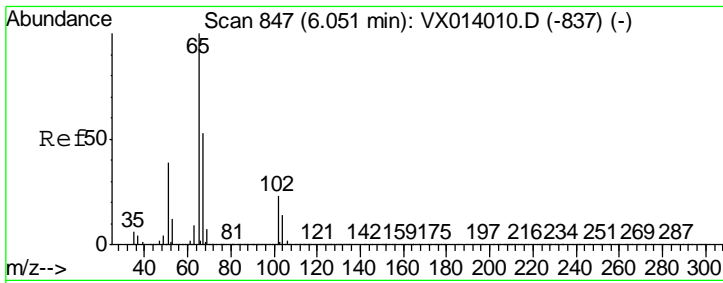


#32
 1,1,1-Trichloroethane
 Concen: 49.320 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28



Tgt Ion	Resp	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	46.0	36.7	55.1



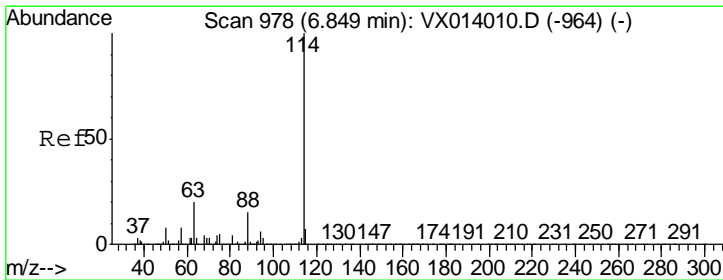
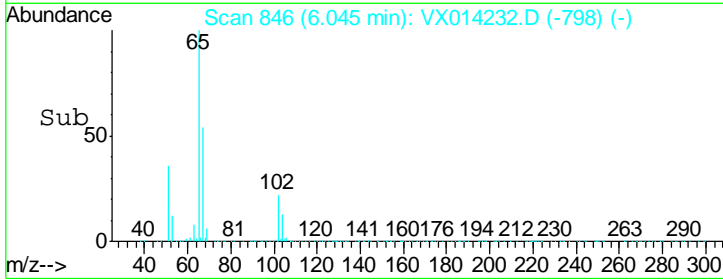
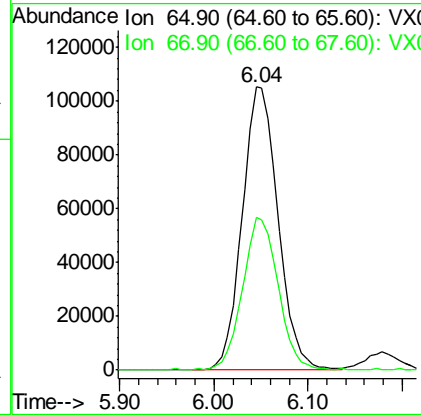
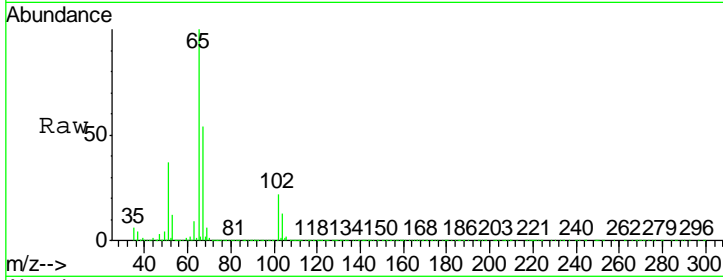


#33
 1,2-Dichloroethane-d4
 Concen: 45.496 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.2	0.0	106.4

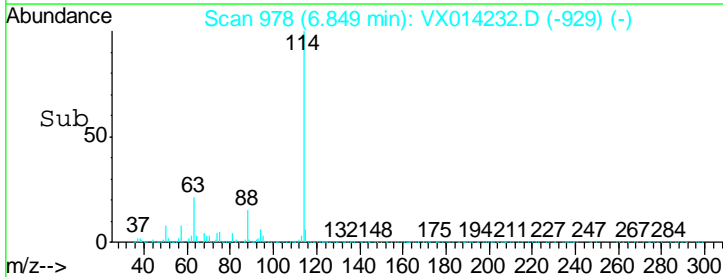
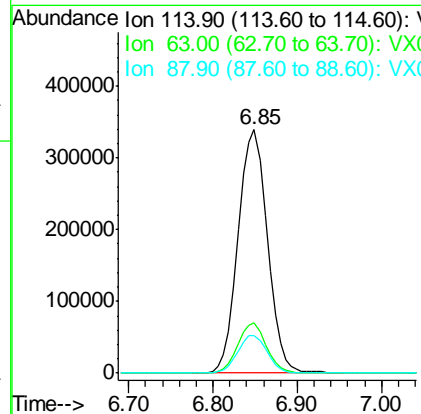
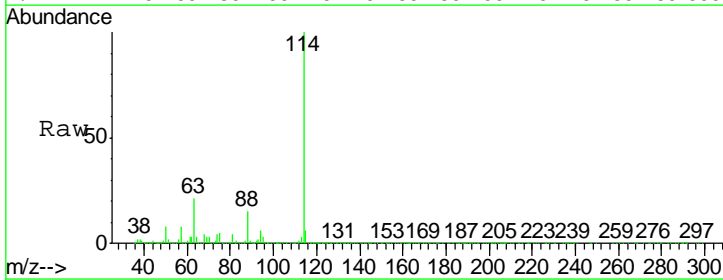
Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

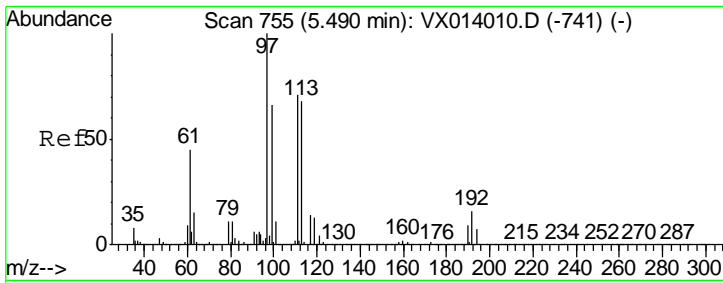
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

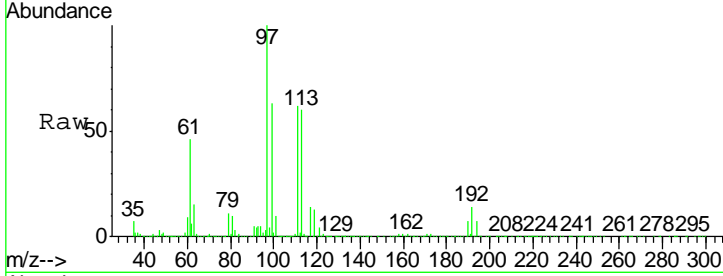
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.4	0.0	30.4





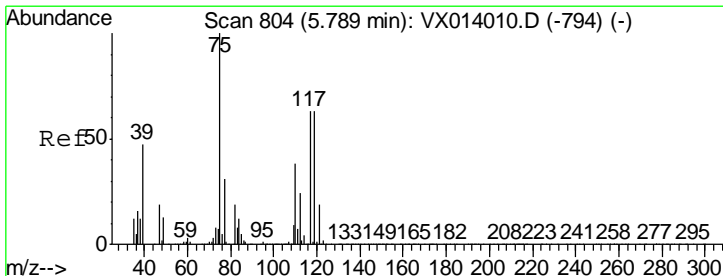
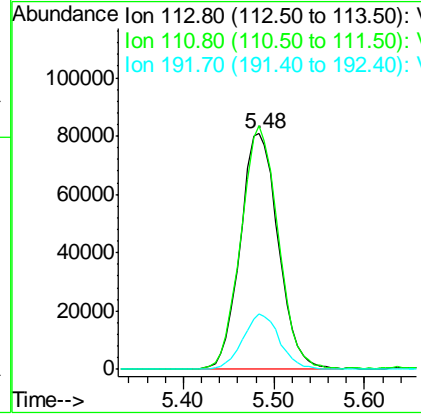
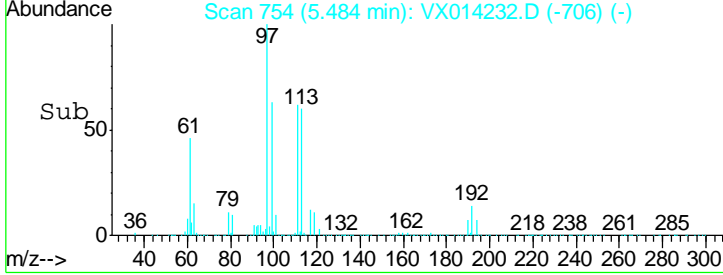
#35
 Dibromofluoromethane
 Concen: 48.057 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

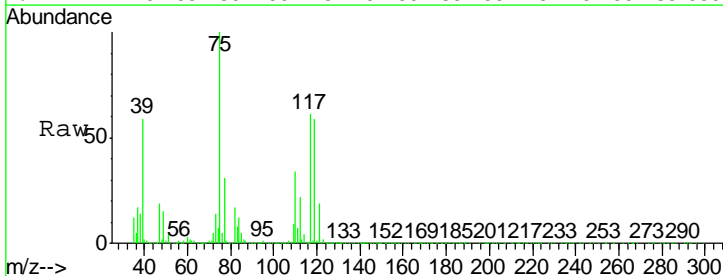


Tgt Ion	Resp	Lower	Upper
113	233691		
113	100		
111	102.2	82.0	123.0
192	22.8	19.3	28.9

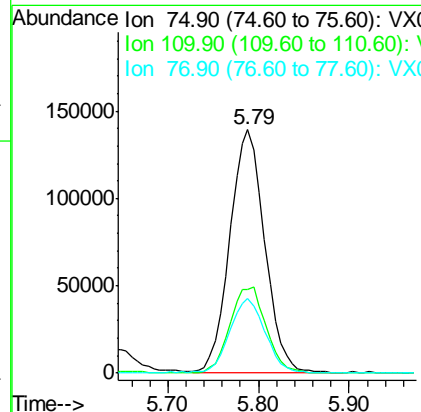
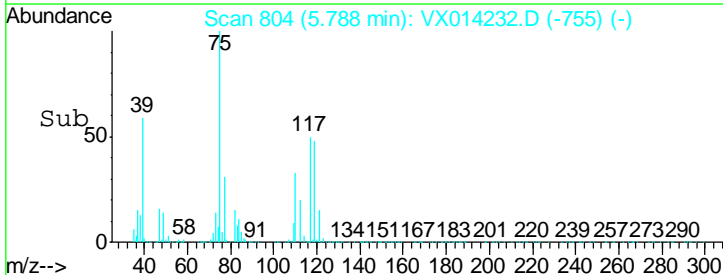
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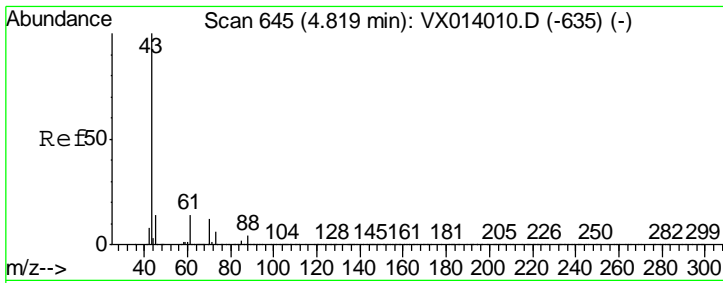


#36
 1,1-Dichloropropene
 Concen: 50.277 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28



Tgt Ion	Resp	Lower	Upper
75	369030		
75	100		
110	36.9	18.3	54.9
77	30.8	24.8	37.2





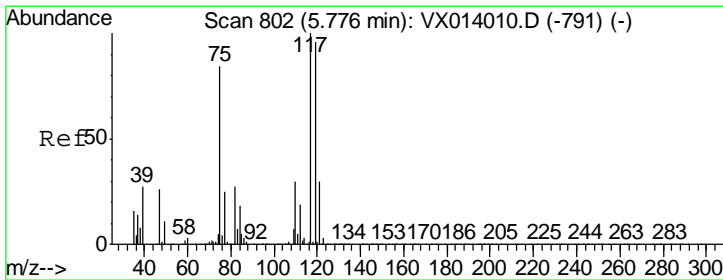
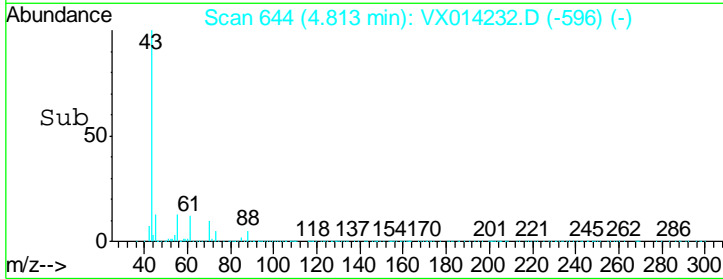
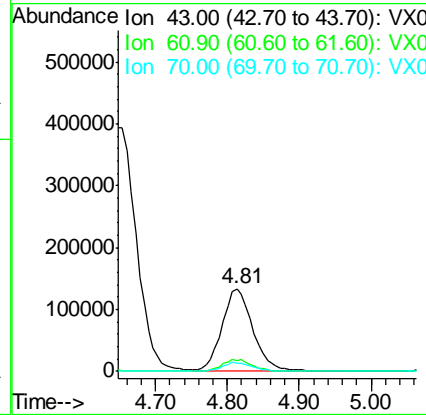
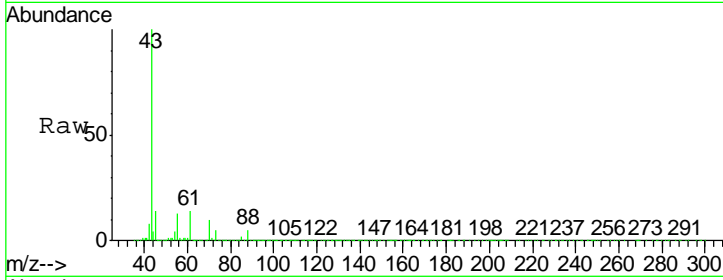
#37
Ethyl Acetate
Concen: 48.344 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	391846		
61	13.7	10.8	16.2
70	10.4	8.6	12.8

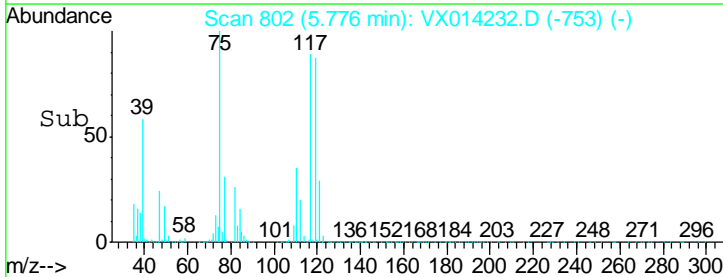
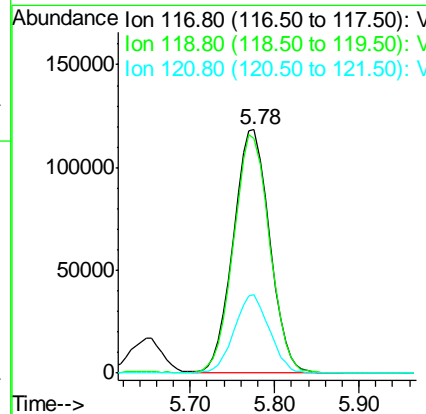
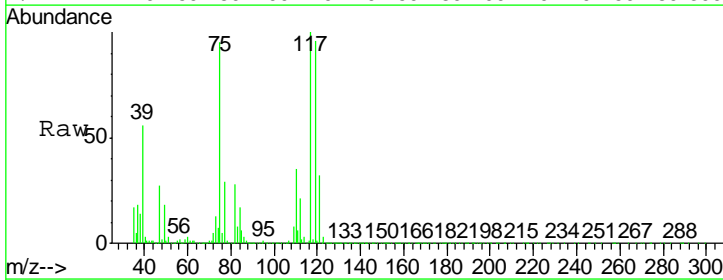
Manual Integrations
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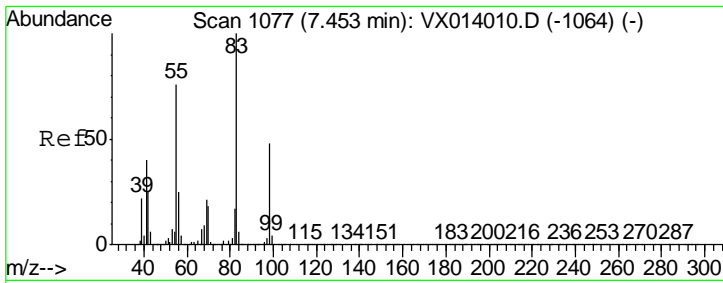
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#38
Carbon Tetrachloride
Concen: 51.657 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014232.D
Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
117	345407		
119	96.4	76.2	114.4
121	32.0	23.6	35.4



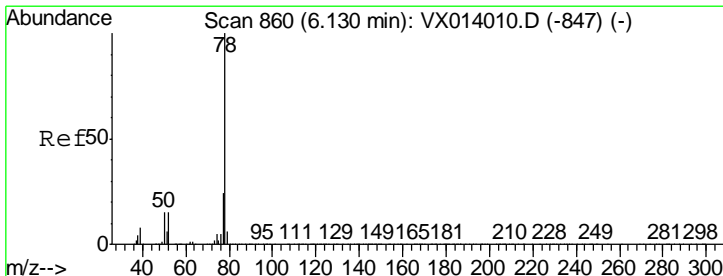
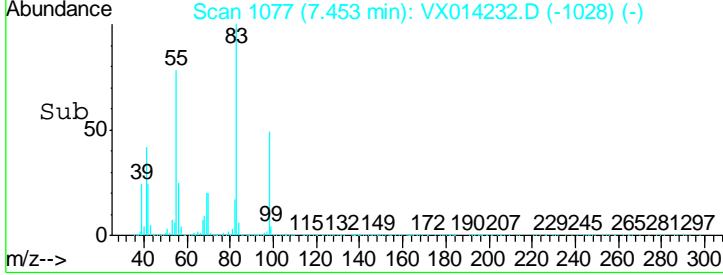
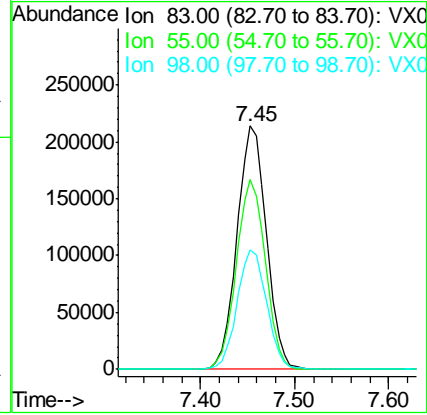
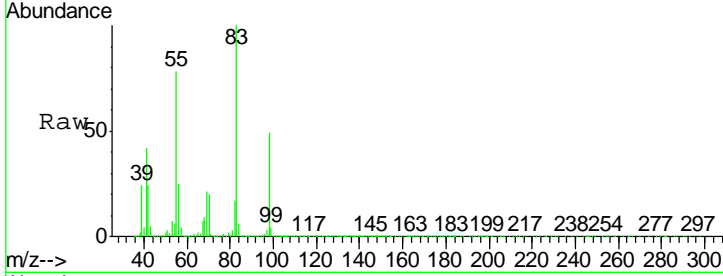


#39
 Methylcyclohexane
 Concen: 51.029 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

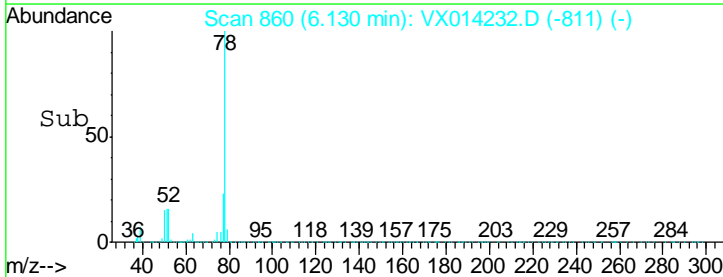
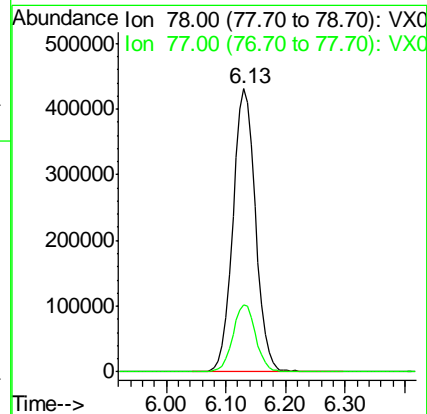
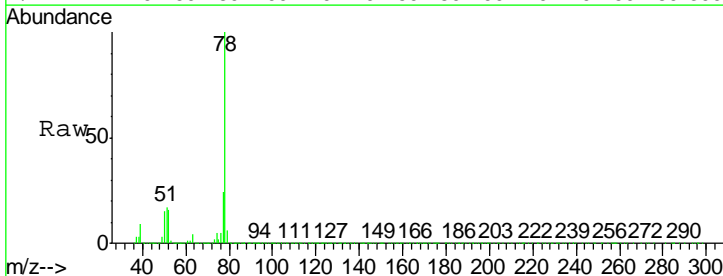
Tgt Ion	Resp	Lower	Upper
83	462479		
83	100		
55	78.0	61.0	91.6
98	48.8	38.6	57.8

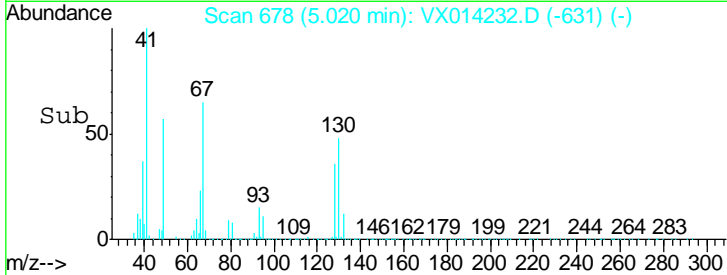
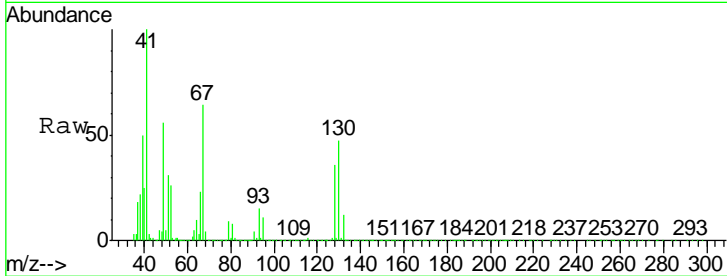
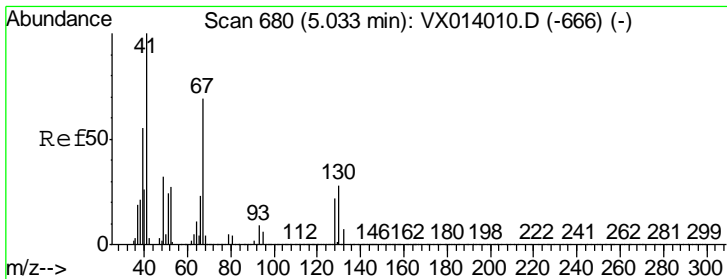
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#40
 Benzene
 Concen: 50.116 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

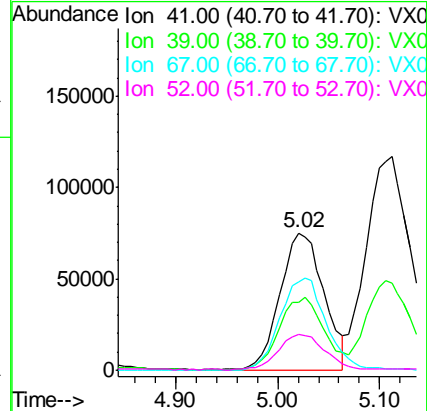
Tgt Ion	Resp	Lower	Upper
78	1131829		
78	100		
77	23.8	18.8	28.2





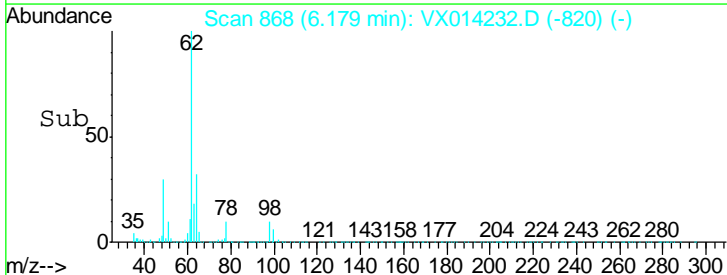
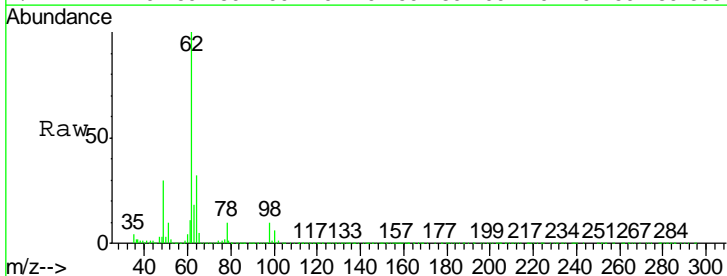
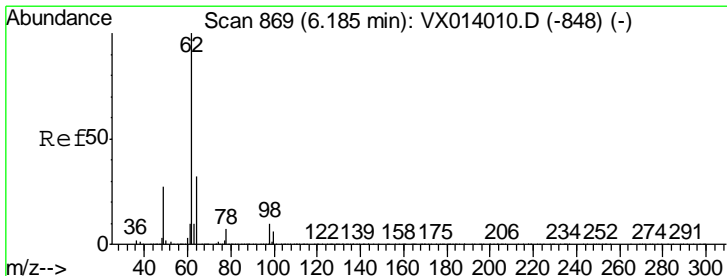
#41
 Methacrylonitrile
 Concen: 49.572 ug/l
 RT: 5.02 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.5	66.7
67	70.4	57.4	86.0
52	27.6	23.0	34.4



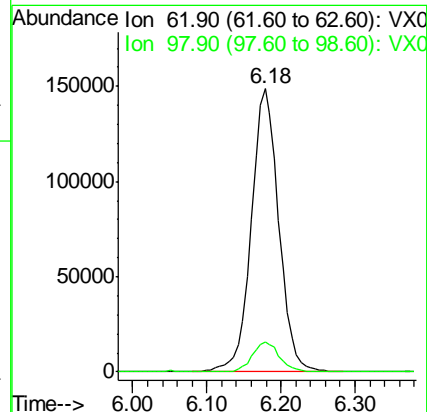
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

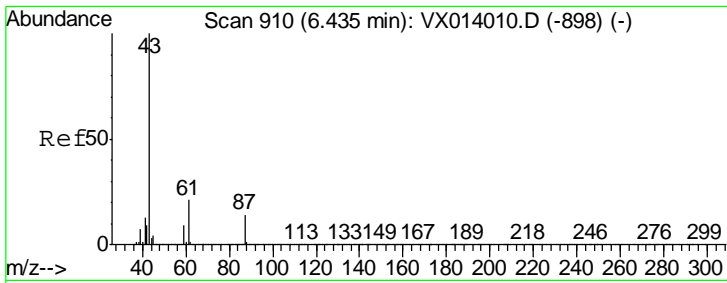
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#42
 1,2-Dichloroethane
 Concen: 49.977 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





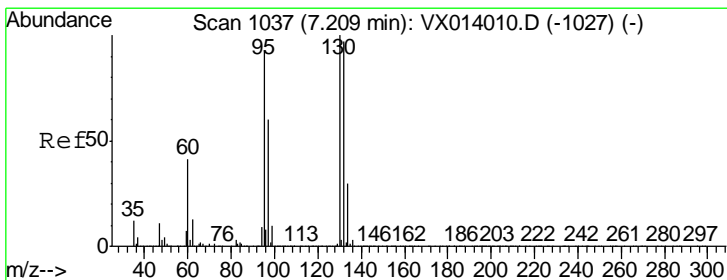
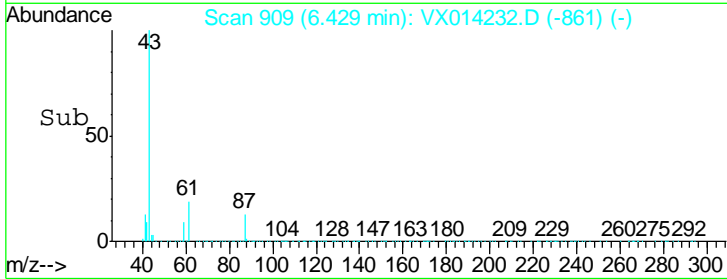
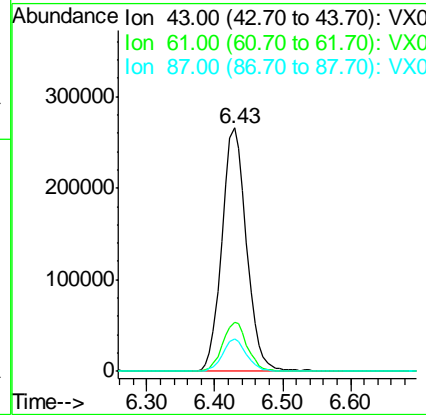
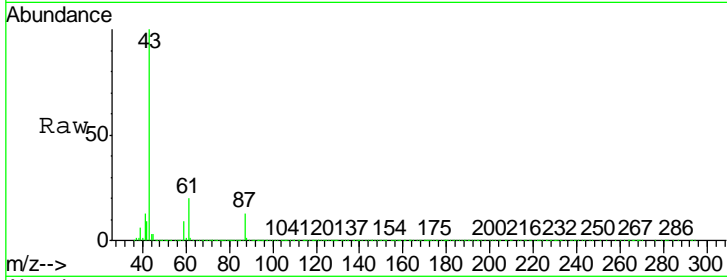
#43
 Isopropyl Acetate
 Concen: 49.498 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.4	24.6
87	12.9	10.7	16.1

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

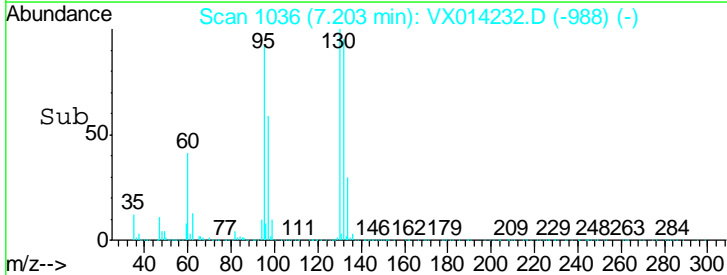
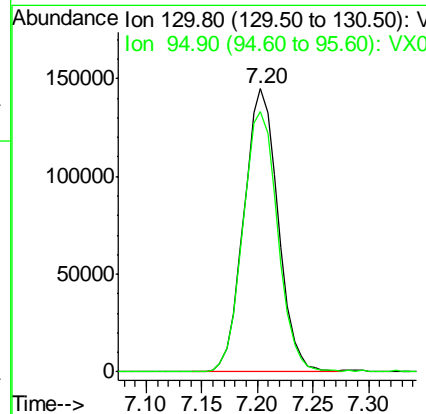
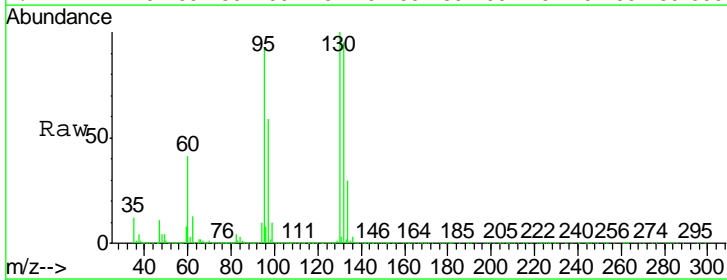
Manual Integrations
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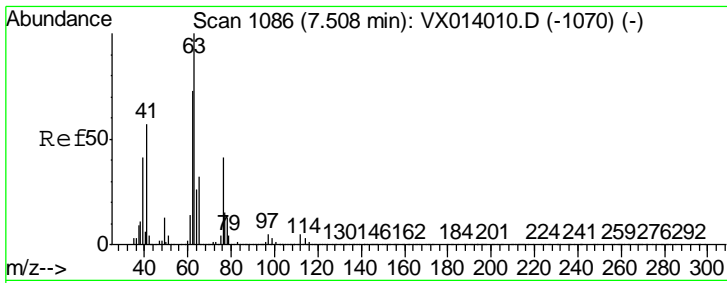
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#44
 Trichloroethene
 Concen: 49.560 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	185.6



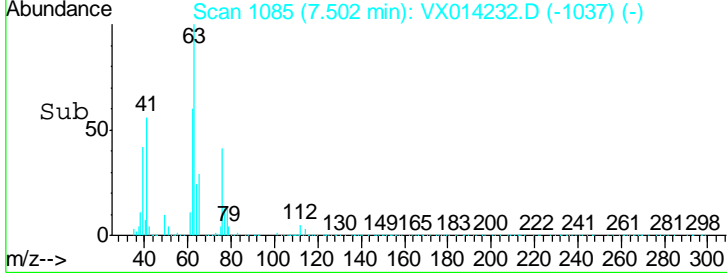
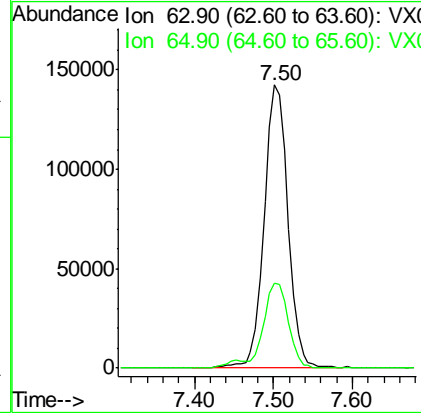
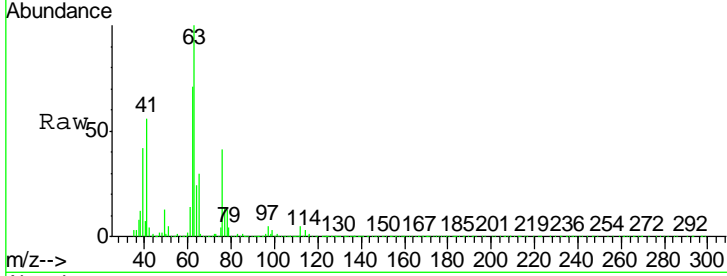


#45
 1,2-Dichloropropane
 Concen: 51.571 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

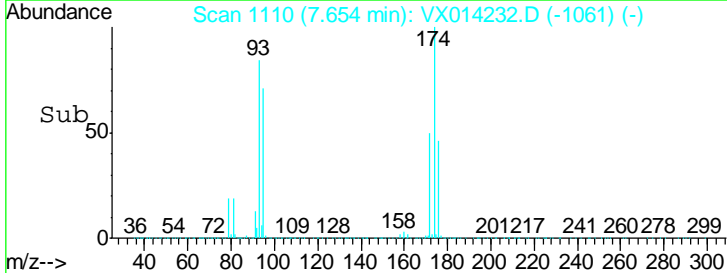
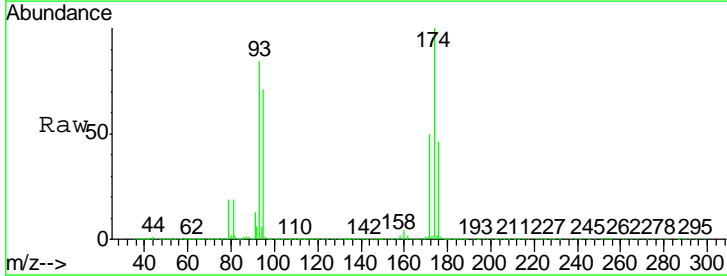
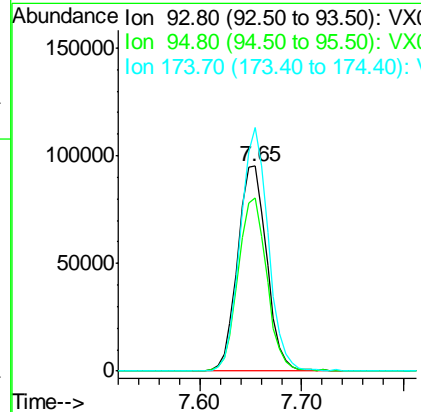
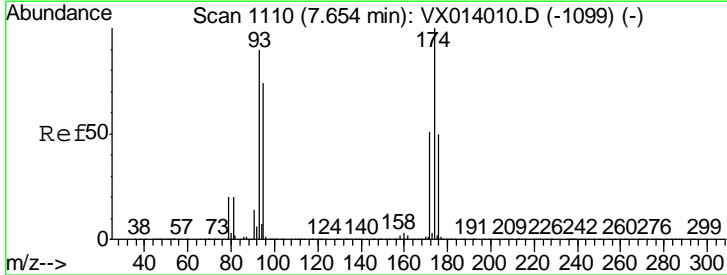
Tgt Ion	Resp	Lower	Upper
63	100		
65	30.0	25.8	38.8

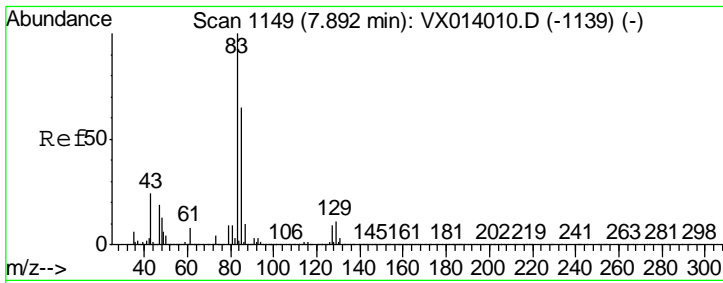
Manual Integrations APPROVED
 apatel
 12/26/2019 9:24:17 AM



#46
 Dibromomethane
 Concen: 49.209 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
93	100		
95	82.6	67.3	100.9
174	113.7	91.6	137.4





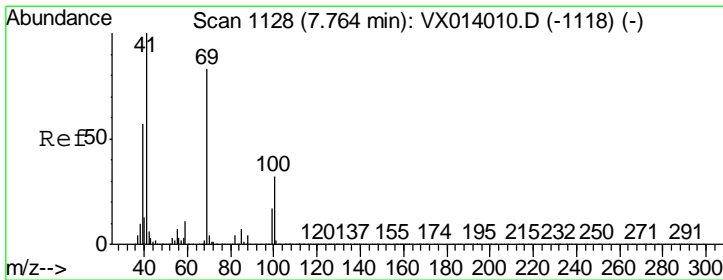
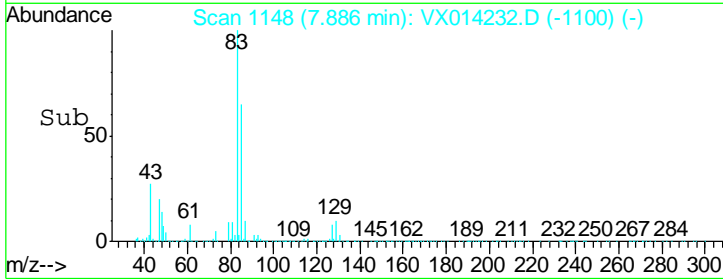
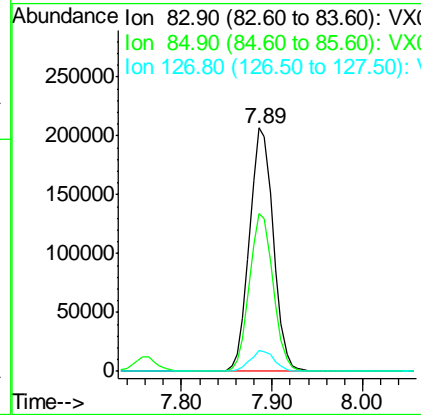
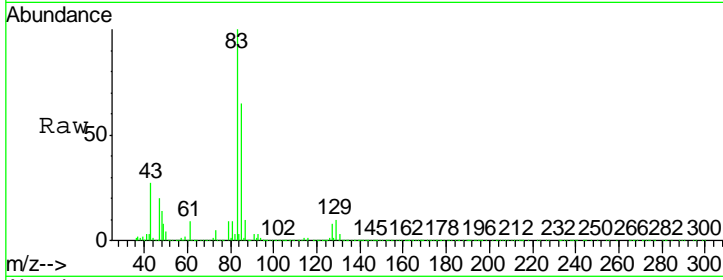
#47

Bromodichloromethane
 Concen: 52.450 ug/l
 RT: 7.89 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	378043		
85	64.6	51.8	77.8
127	8.3	7.0	10.4

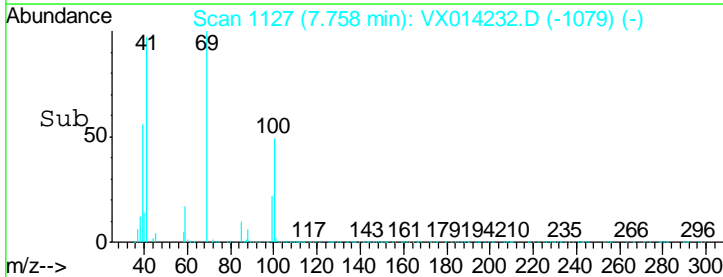
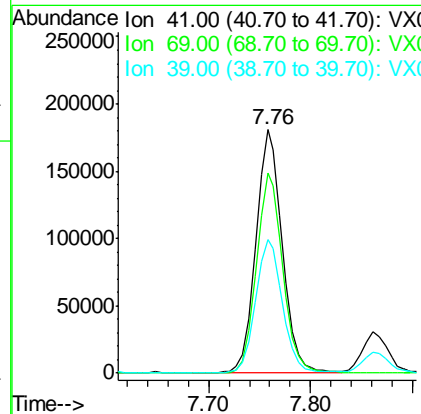
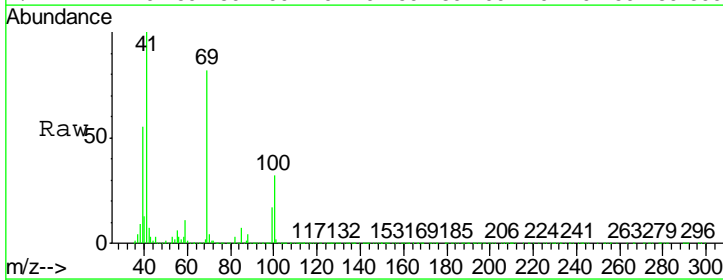
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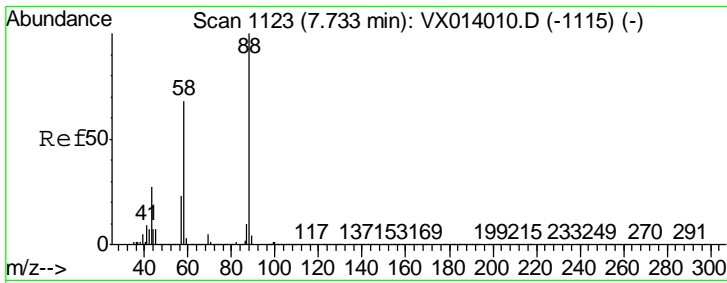


#48

Methyl methacrylate
 Concen: 49.462 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
41	324887		
69	82.4	65.8	98.6
39	55.5	44.6	67.0



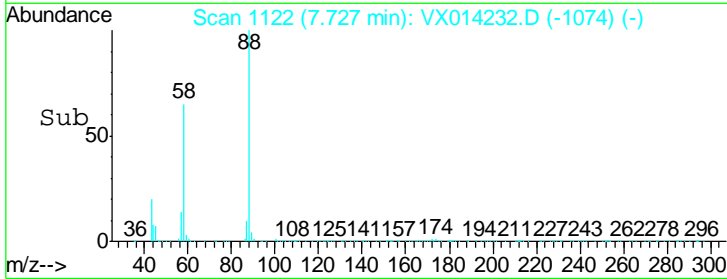
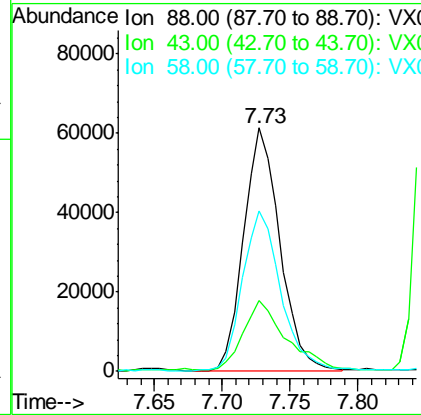
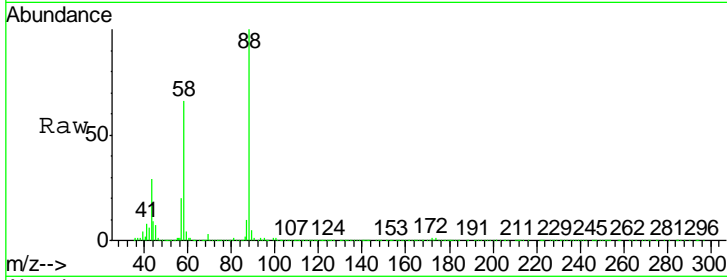


#49
 1,4-Dioxane
 Concen: 851.606 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

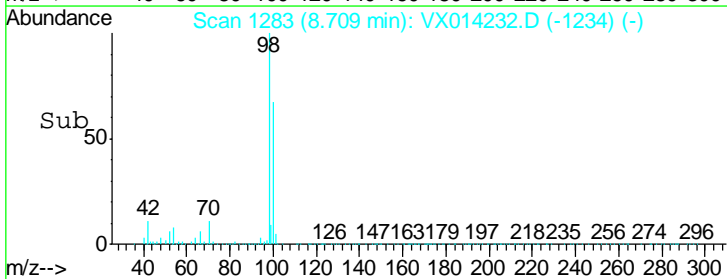
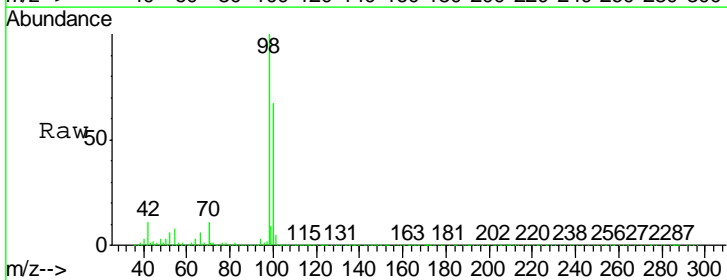
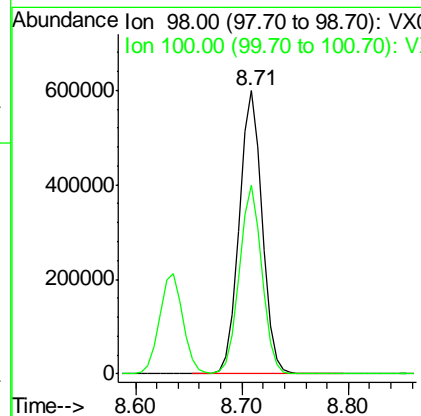
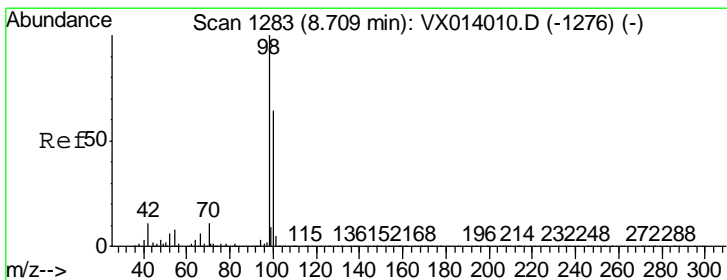
Tgt Ion	Resp	Lower	Upper
88	113834		
88	100		
43	34.0	26.5	39.7
58	70.6	56.8	85.2

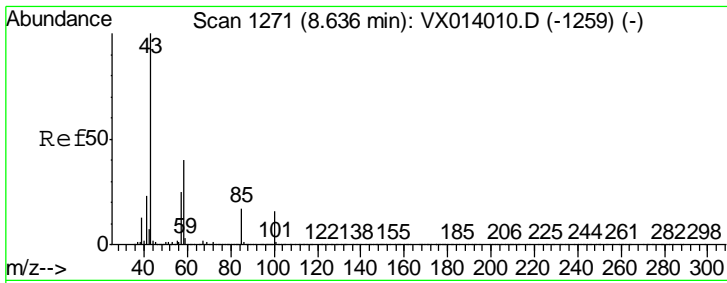
Manual Integrations
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#50
 Toluene-d8
 Concen: 47.597 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
98	901106		
98	100		
100	65.8	52.9	79.3



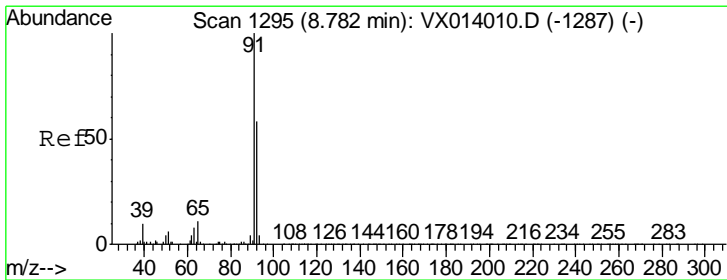
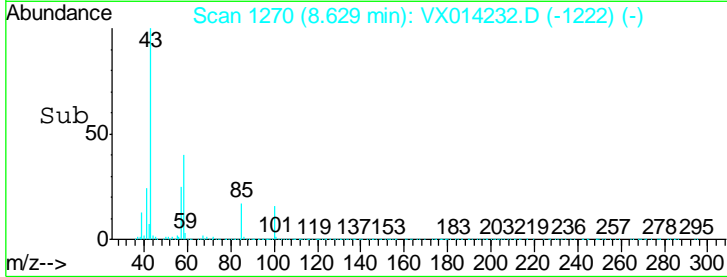
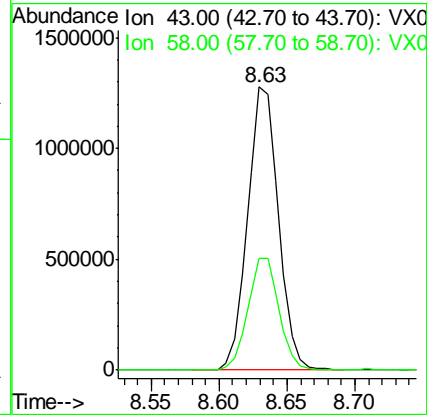
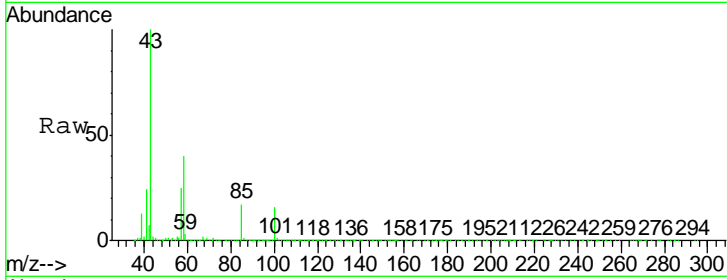


#51
 4-Methyl-2-Pentanone
 Concen: 240.403 ug/l
 RT: 8.63 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	32.2	48.2

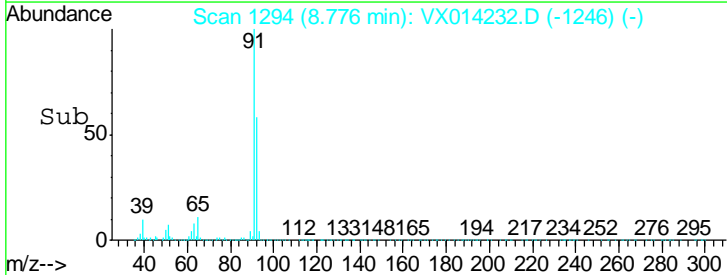
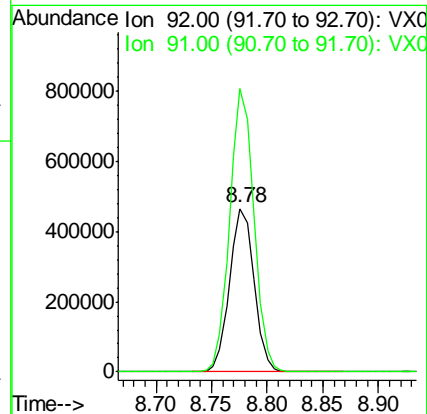
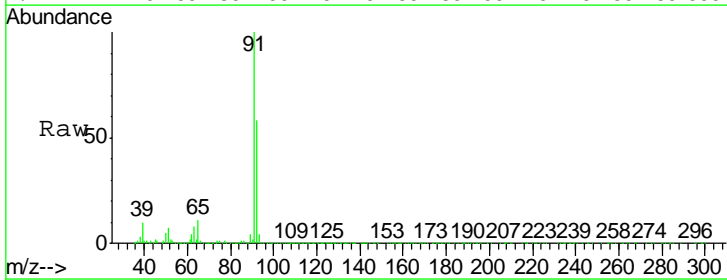
Instrument : MSVOA_X
 Client Sampled : VSTDC0050

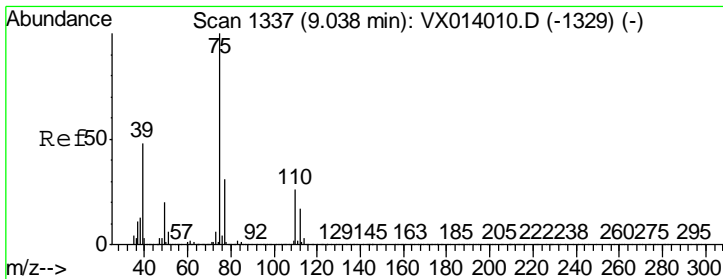
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#52
 Toluene
 Concen: 49.904 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.2	204.4



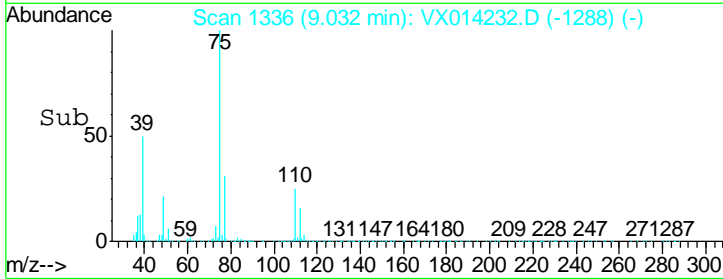
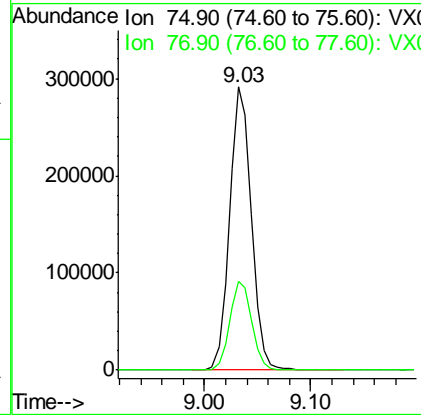
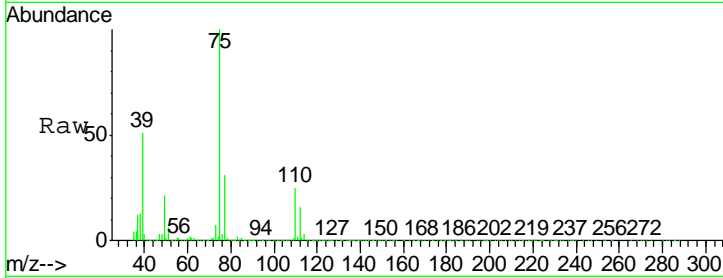


#53
 t-1,3-Dichloropropene
 Concen: 52.738 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
75	416802		
75	100		
77	31.4	25.1	37.7

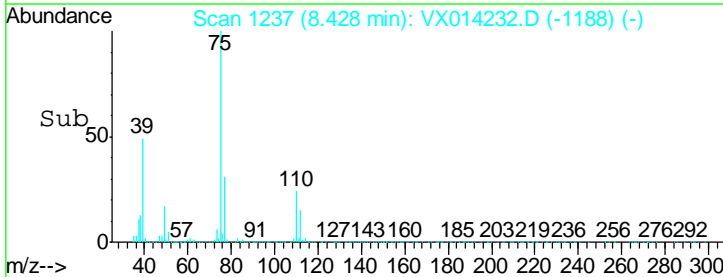
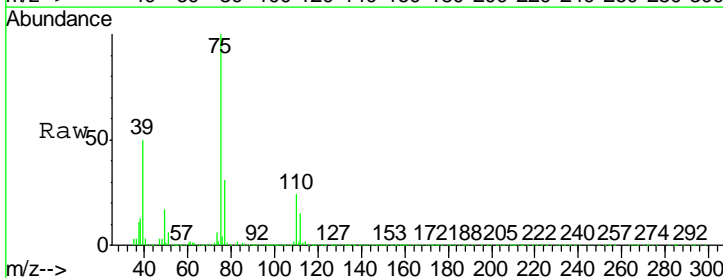
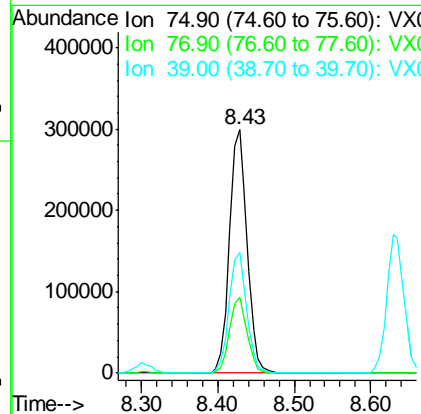
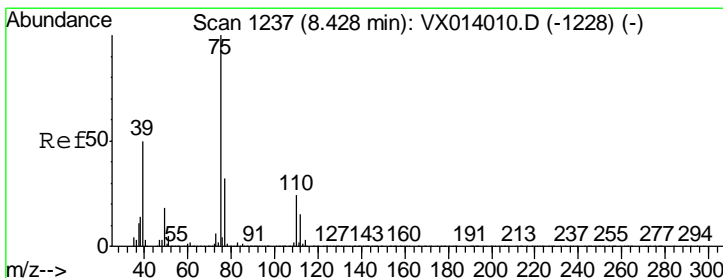
Instrument : MSVOA_X
 Client Sampled : VSTDC050

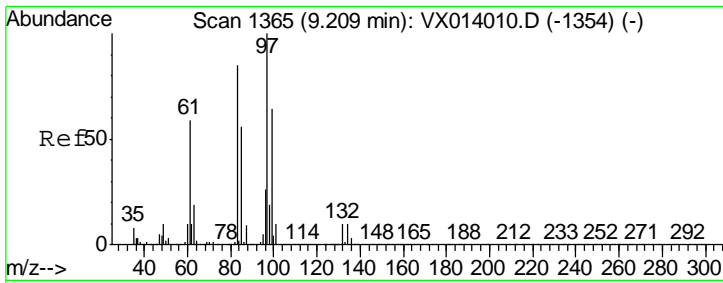
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#54
 cis-1,3-Dichloropropene
 Concen: 53.876 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
75	474369		
75	100		
77	31.4	25.3	37.9
39	49.5	39.9	59.9





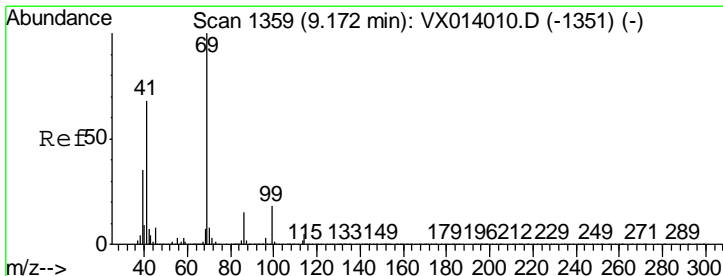
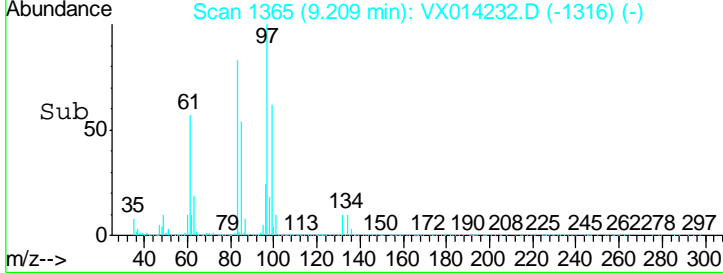
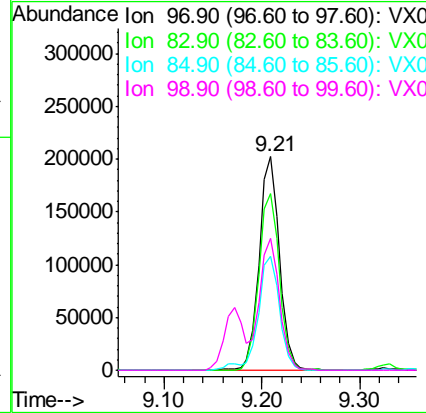
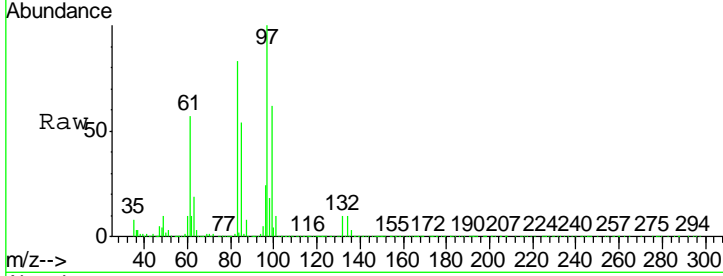
#55
 1,1,2-Trichloroethane
 Concen: 50.509 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
97	100		
83	82.7	68.2	102.4
85	53.5	44.6	66.8
99	61.7	51.4	77.0

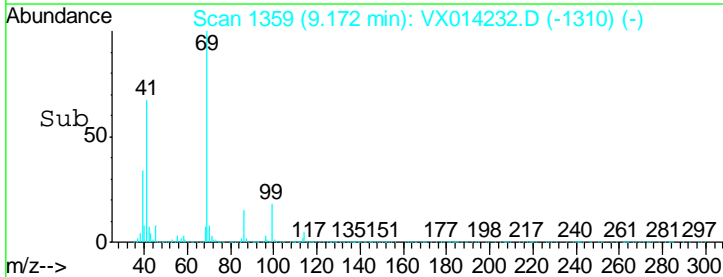
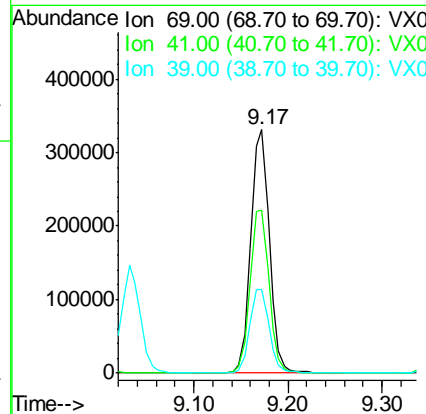
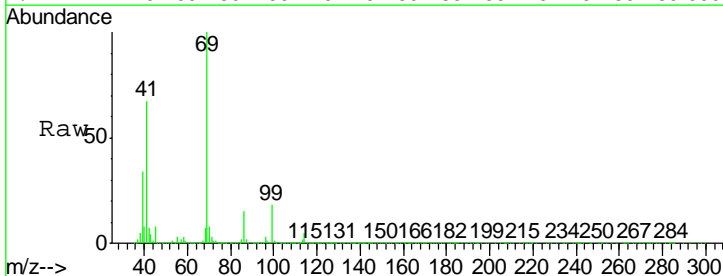
Manual Integrations
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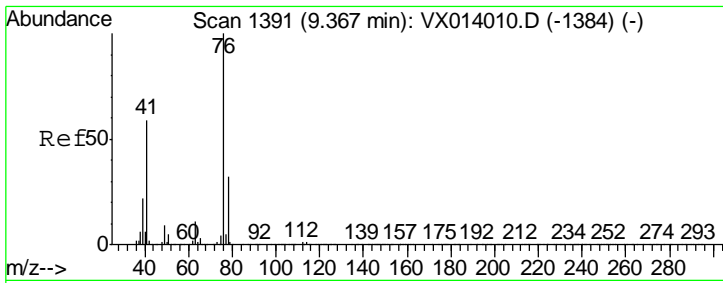
apatel
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#56
 Ethyl methacrylate
 Concen: 50.753 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
69	100		
41	68.4	54.8	82.2
39	35.7	28.3	42.5



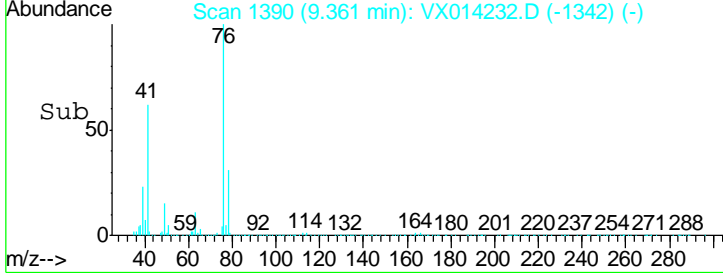
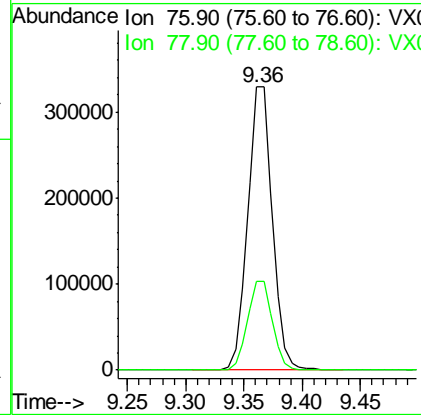
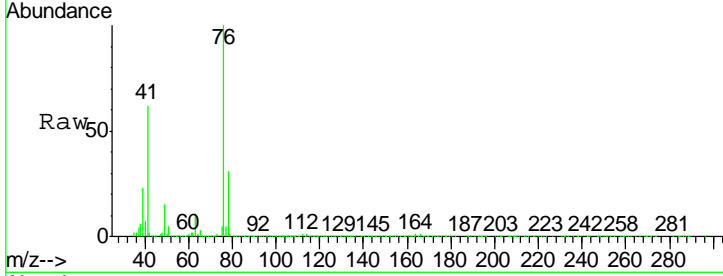


#57
 1,3-Dichloropropane
 Concen: 50.541 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

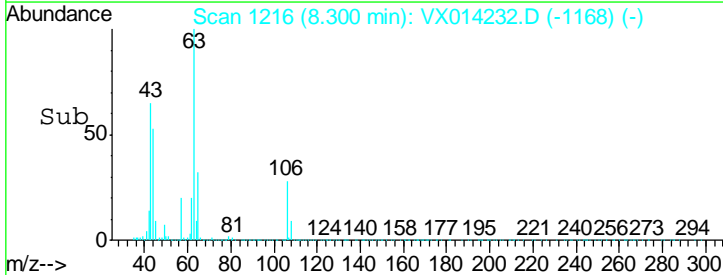
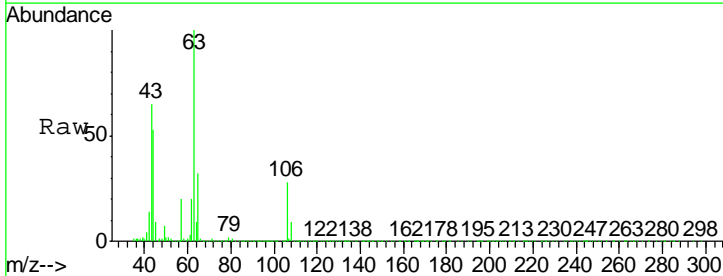
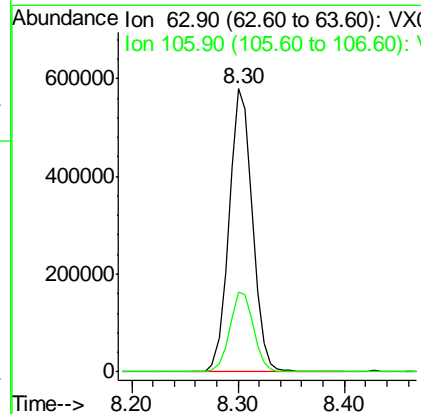
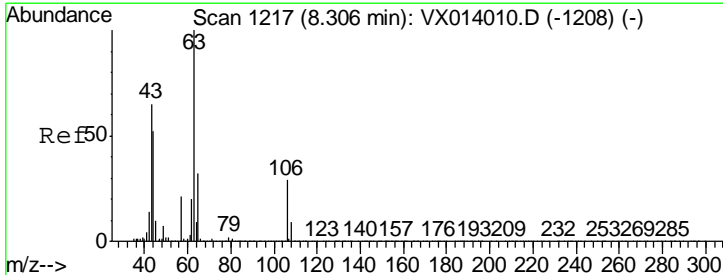
Tgt Ion	Resp	Lower	Upper
76	486497		
76	100		
78	31.9	25.8	38.6

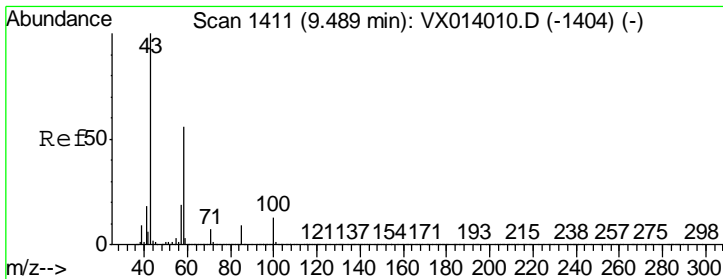
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#58
 2-Chloroethyl Vinyl ether
 Concen: 261.476 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
63	889280		
63	100		
106	28.8	23.0	34.6





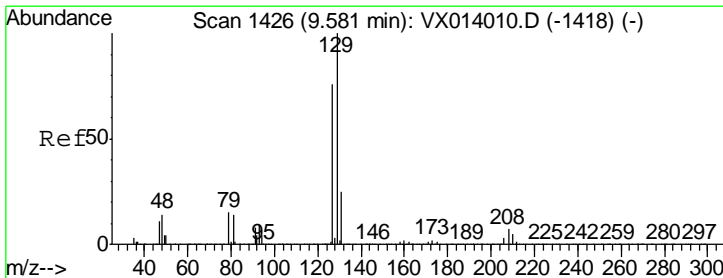
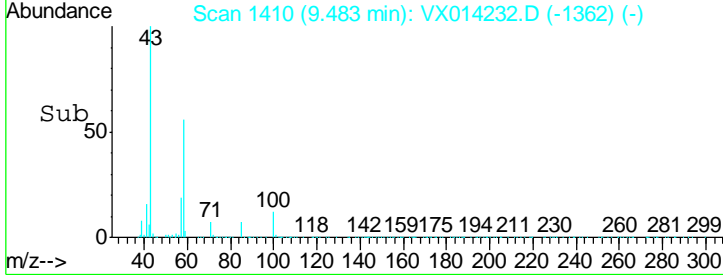
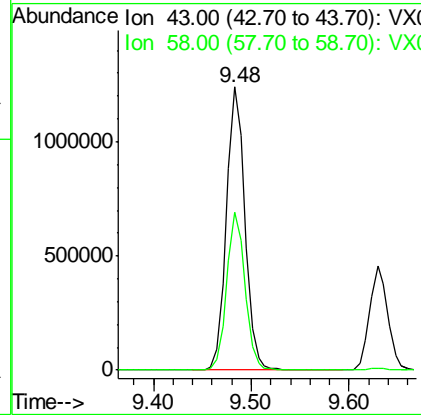
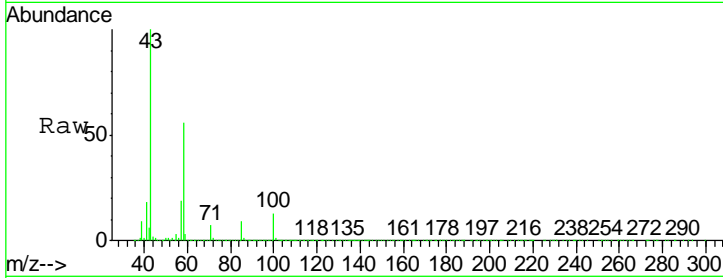
#59
 2-Hexanone
 Concen: 240.807 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 43 Resp: 1633033

Ion	Ratio	Lower	Upper
43	100		
58	55.3	28.0	84.0

Instrument : MSVOA_X
 ClientSampled : VSTDC050

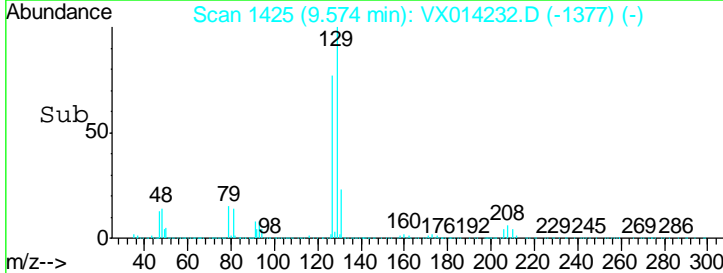
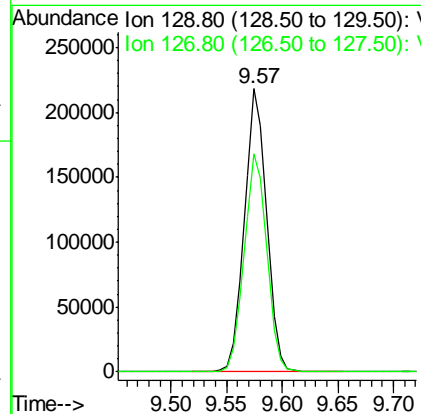
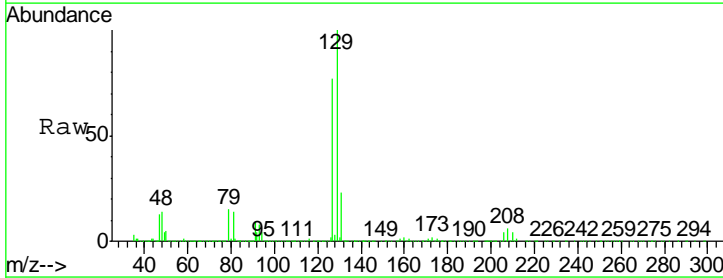
Manual Integrations
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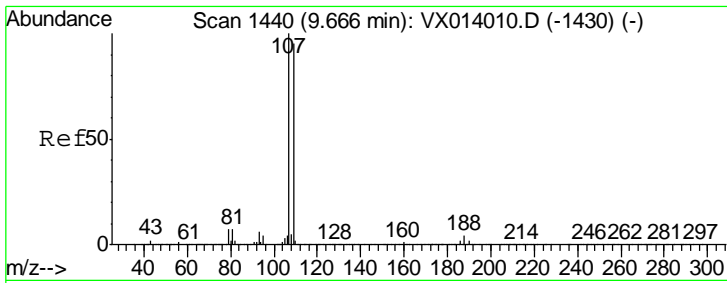


#60
 Dibromochloromethane
 Concen: 53.075 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 129 Resp: 301830

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.4	115.2



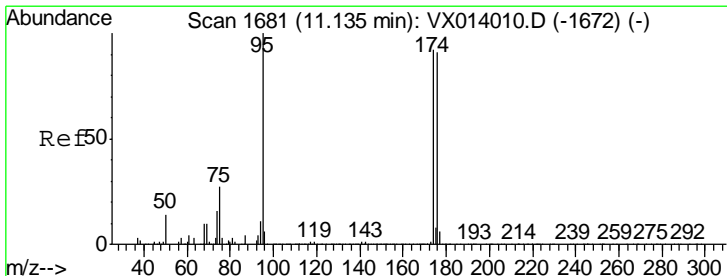
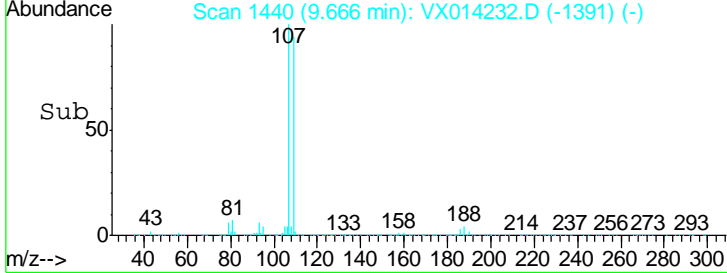
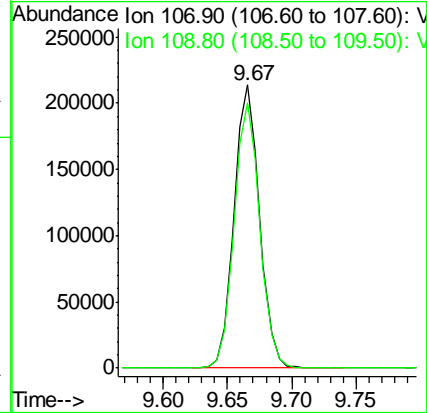
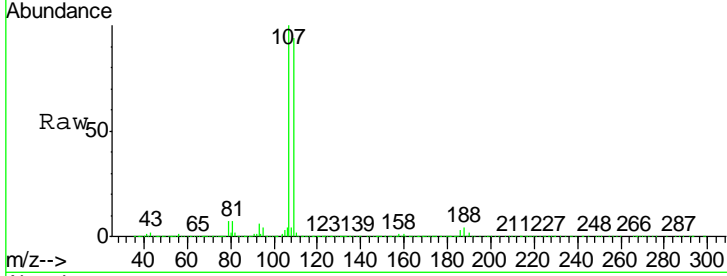


#61
 1,2-Dibromoethane
 Concen: 50.585 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

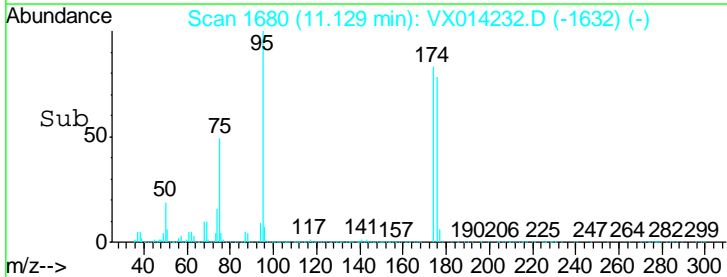
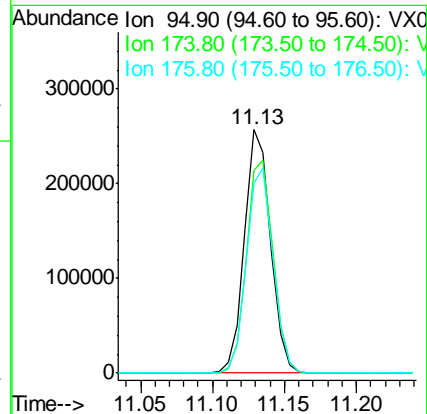
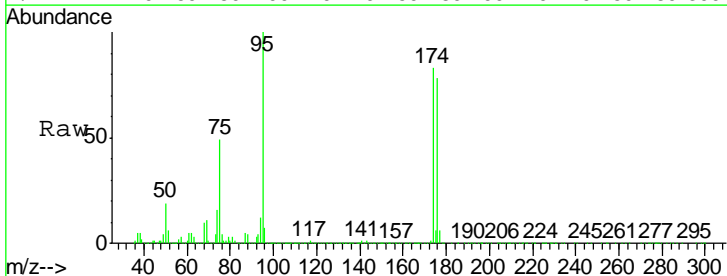
Tgt Ion	Resp	Lower	Upper
107	100		
109	94.6	75.7	113.5

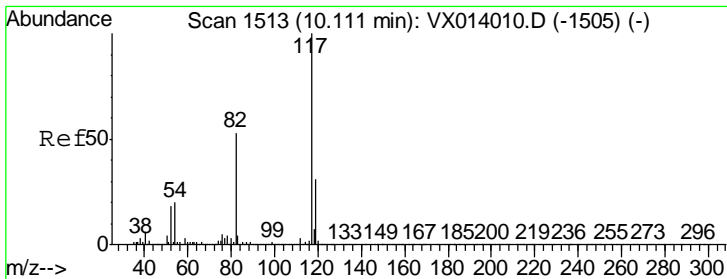
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#62
 4-Bromofluorobenzene
 Concen: 46.514 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
95	100		
174	89.5	0.0	175.8
176	85.6	0.0	173.0





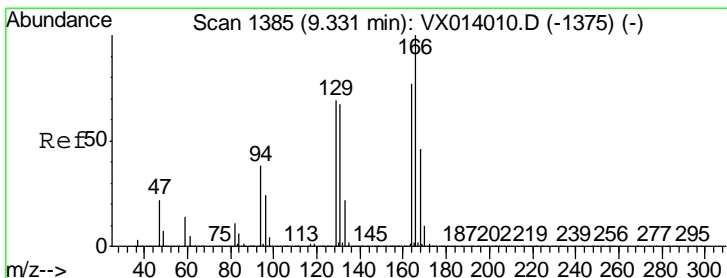
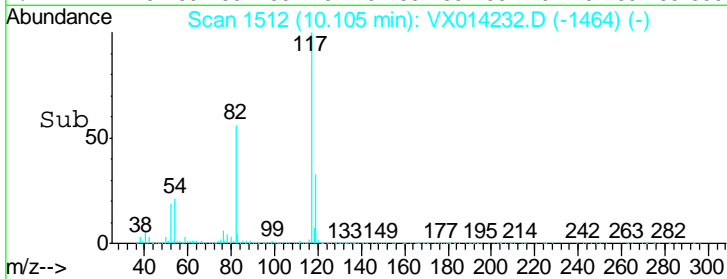
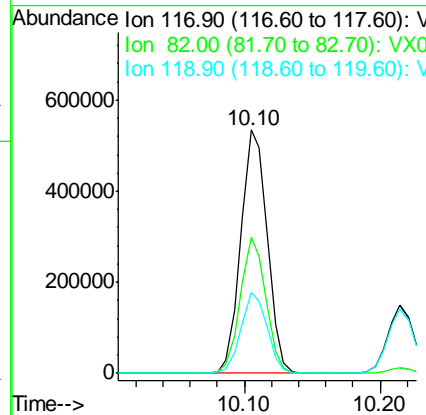
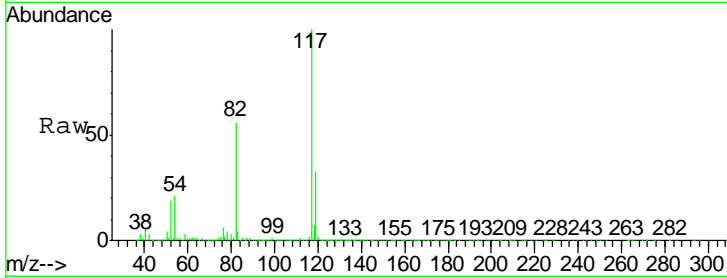
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
117	100		
82	55.8	42.2	63.4
119	33.2	25.1	37.7

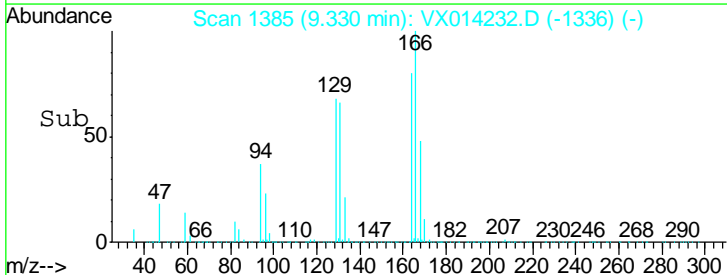
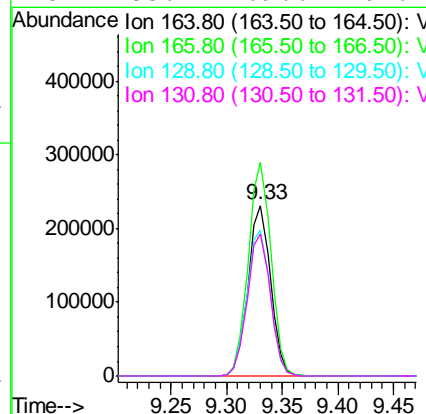
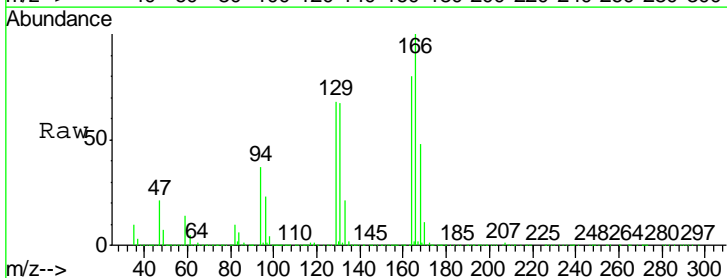
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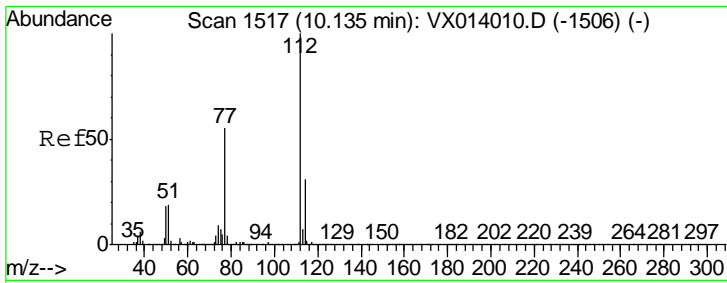
apatel
 12/26/2019 9:24:17 AM



#64
 Tetrachloroethene
 Concen: 51.087 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
164	100		
166	125.1	104.0	156.0
129	85.5	72.2	108.4
131	83.2	69.6	104.4



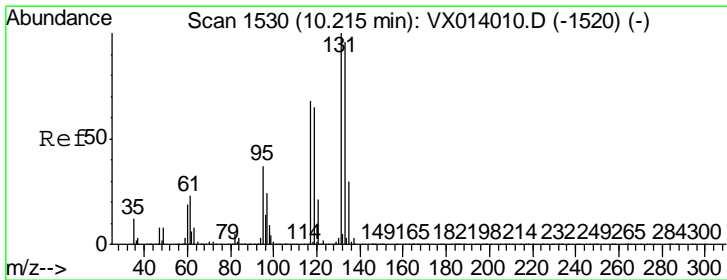
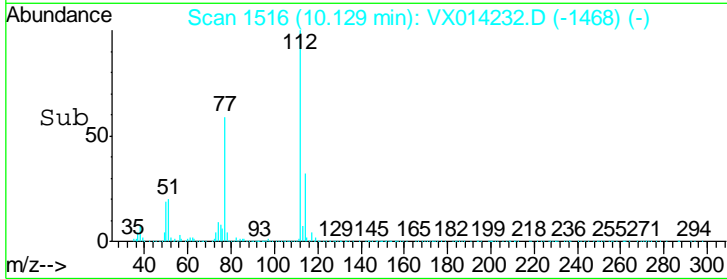
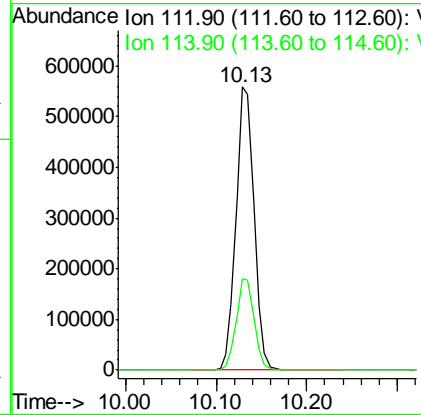
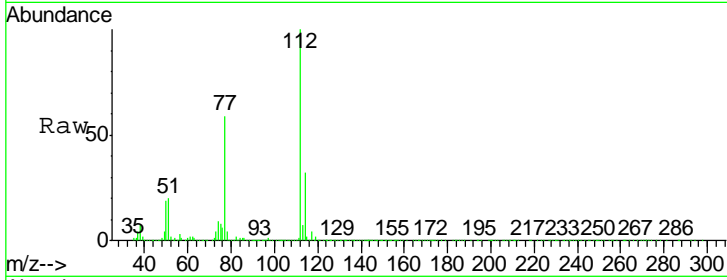


#65
 Chlorobenzene
 Concen: 50.430 ug/l
 RT: 10.13 min Scan# 1516
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

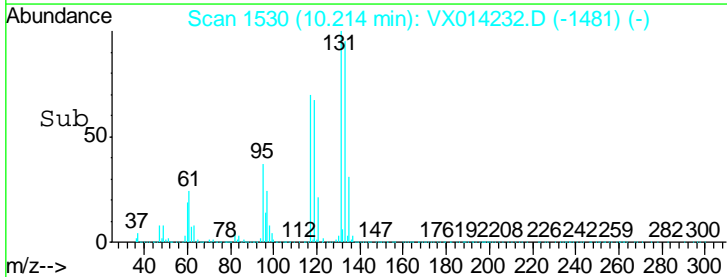
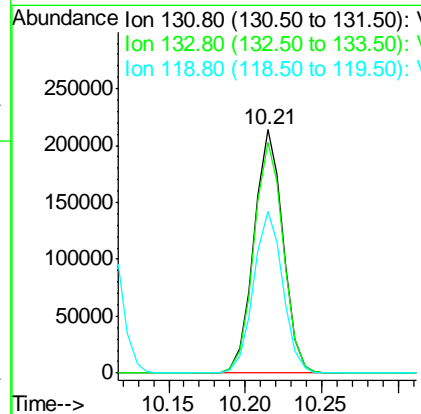
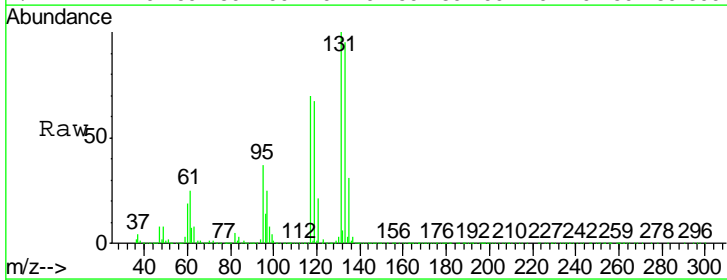
Tgt Ion	Resp	Lower	Upper
112	773248		
114	32.2	24.9	37.3

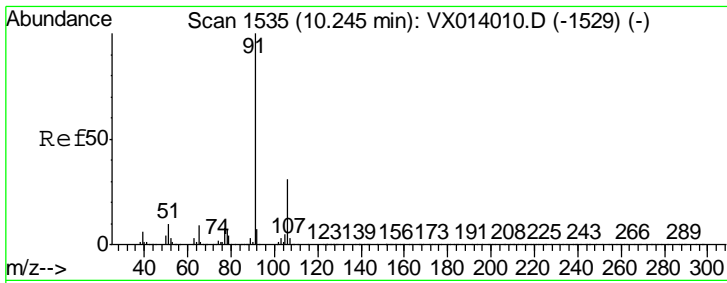
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.543 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
131	282187		
133	95.6	48.0	144.0
119	66.8	33.4	100.2



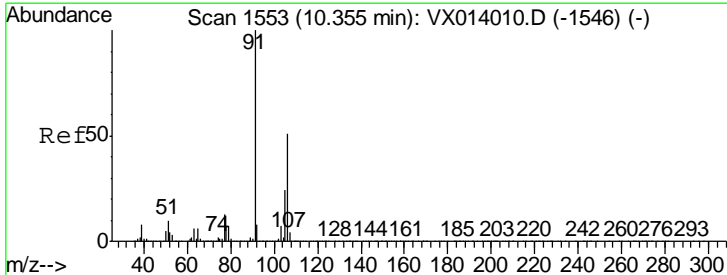
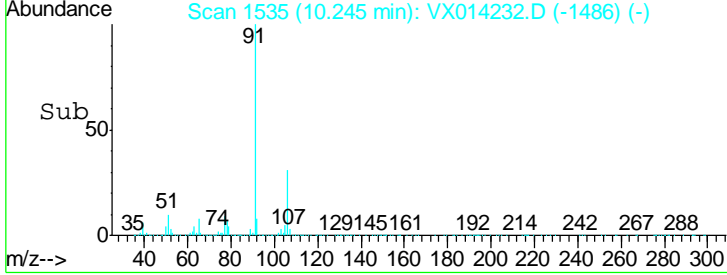
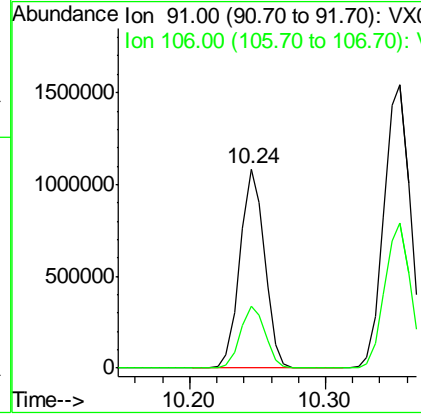
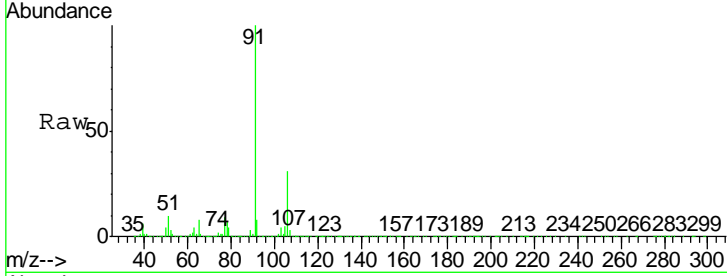


#67
 Ethyl Benzene
 Concen: 51.978 ug/l
 RT: 10.24 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

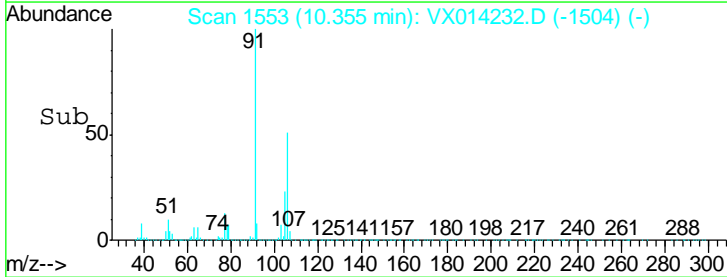
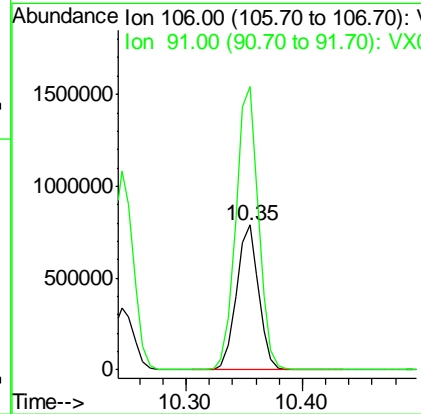
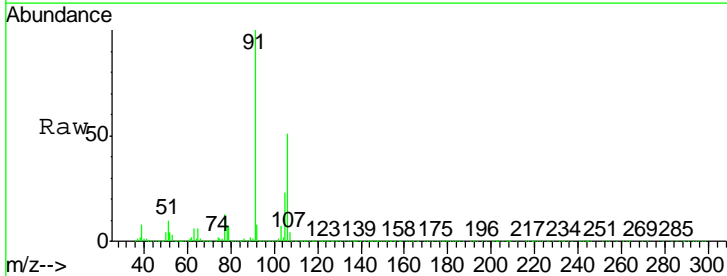
Tgt Ion	Resp	Lower	Upper
91	100		
106	31.1	25.0	37.6

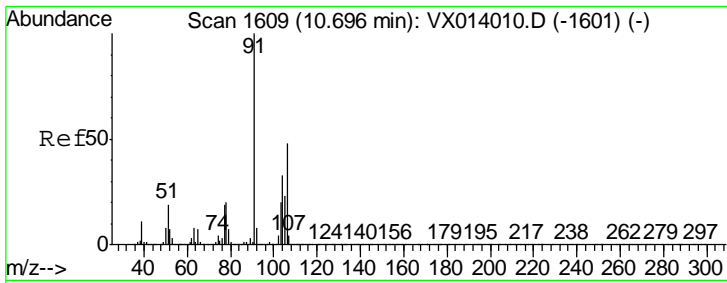
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#68
 m/p-Xylenes
 Concen: 102.434 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.3	158.6	238.0



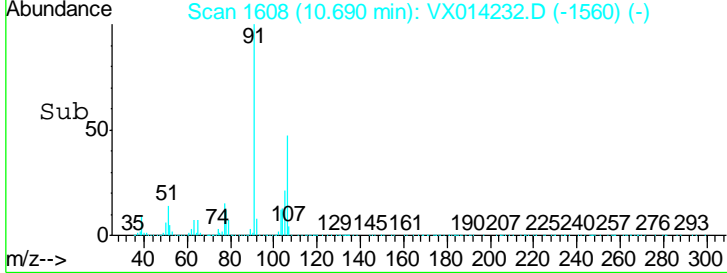
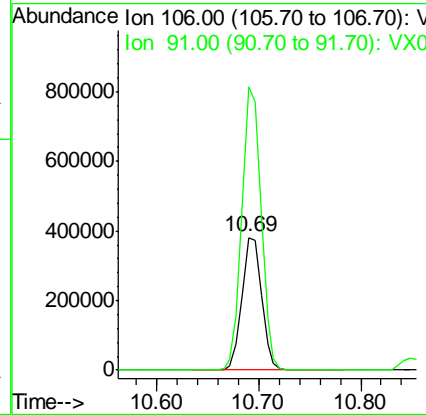
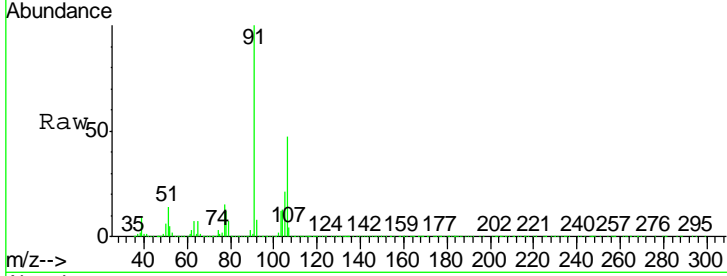


#69
 o-Xylene
 Concen: 50.456 ug/l
 RT: 10.69 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

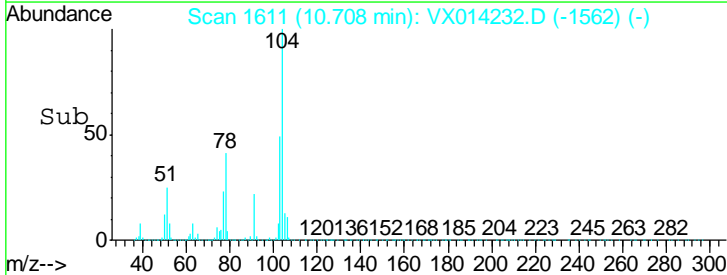
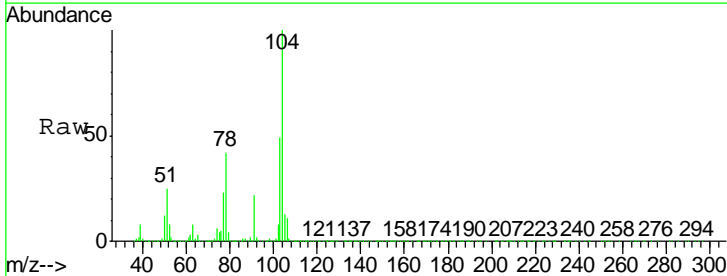
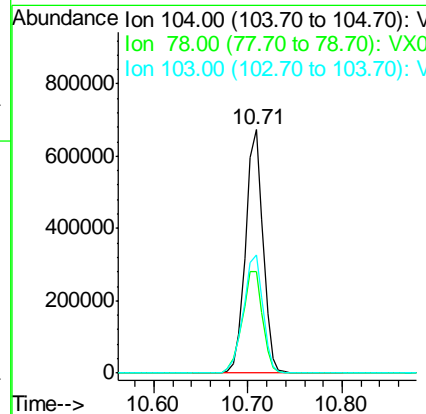
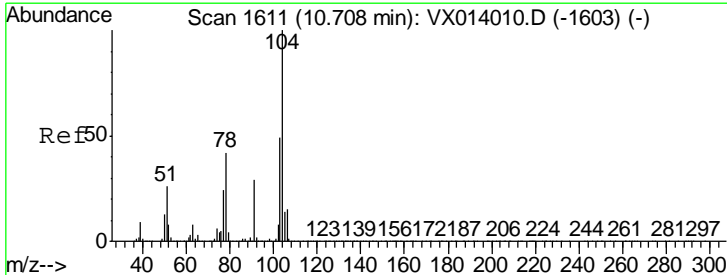
Tgt Ion	Resp	Lower	Upper
106	501730		
106	100		
91	210.7	104.2	312.6

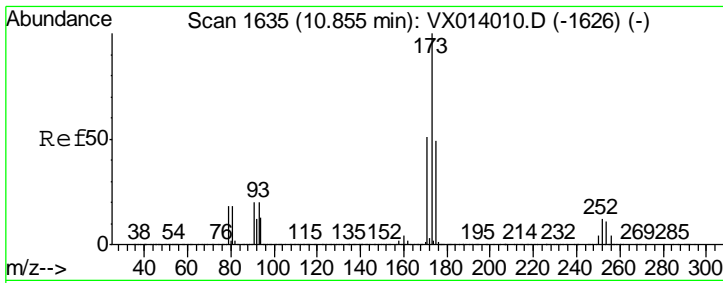
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#70
 Styrene
 Concen: 51.647 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
104	868432		
104	100		
78	48.3	38.5	57.7
103	54.2	42.9	64.3





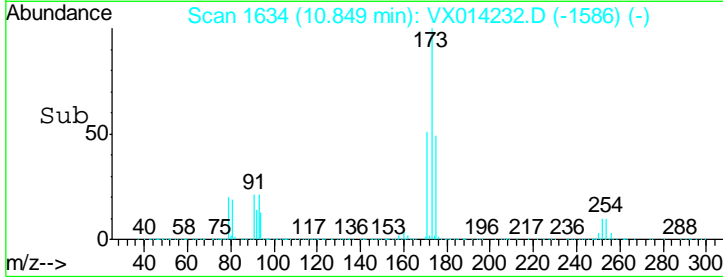
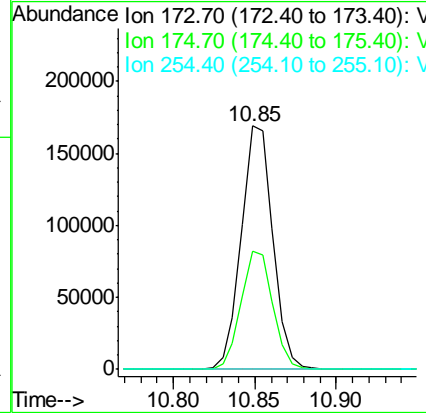
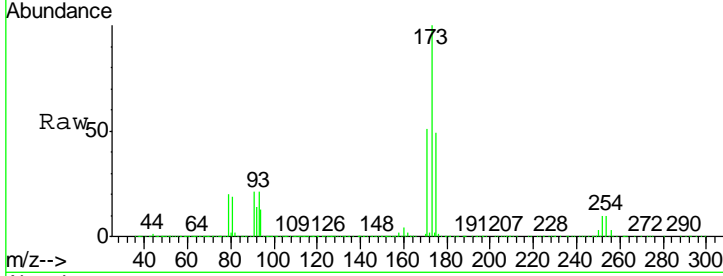
#71
 Bromoform
 Concen: 51.959 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	49.2	24.4	73.4
254	0.1	0.2	0.2

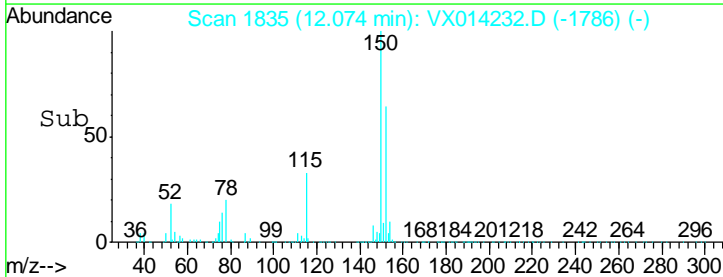
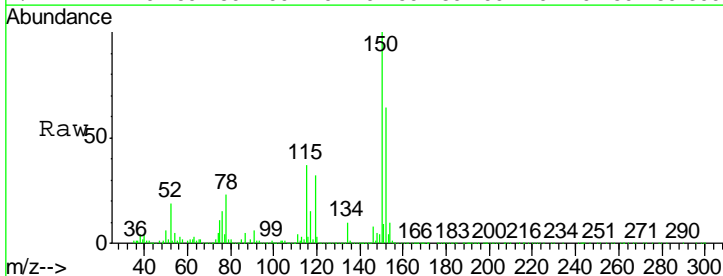
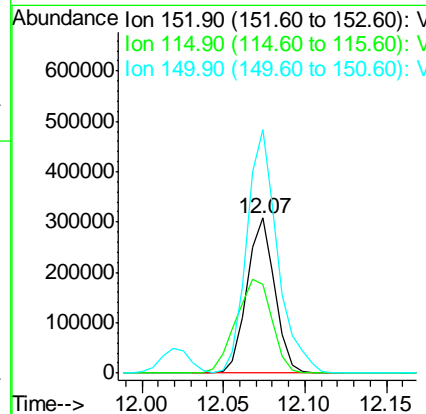
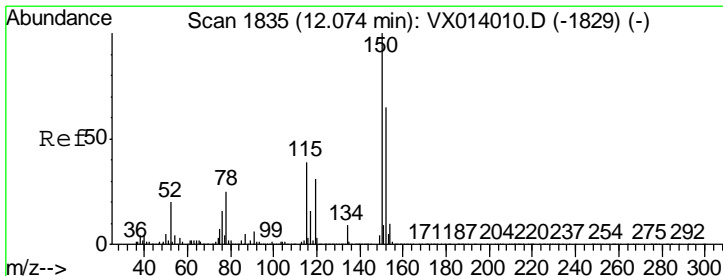
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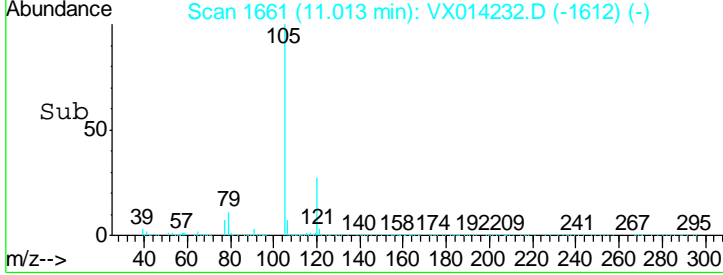
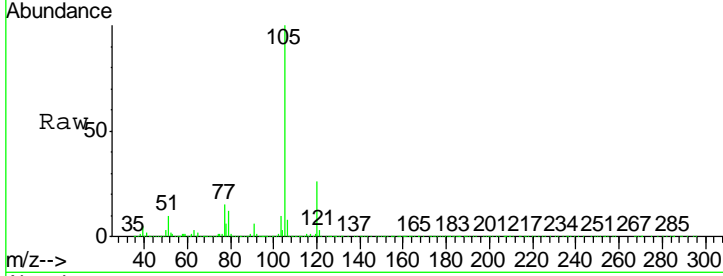
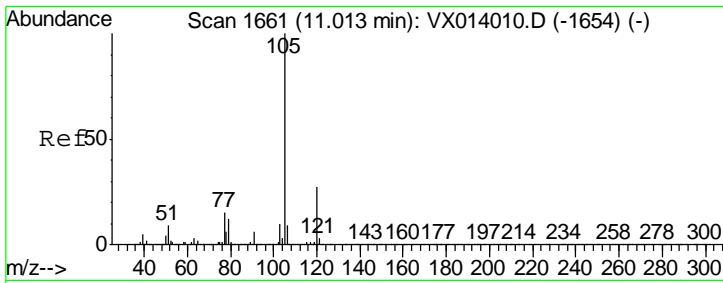
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
152	100		
115	78.7	38.3	114.9
150	174.5	0.0	345.4





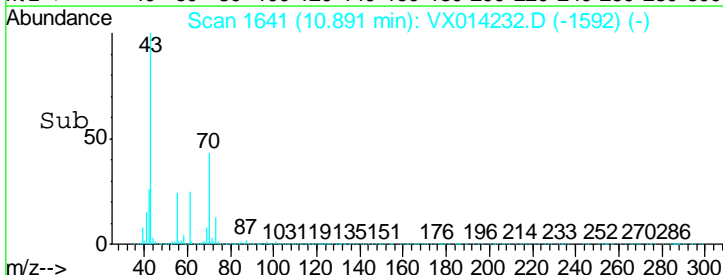
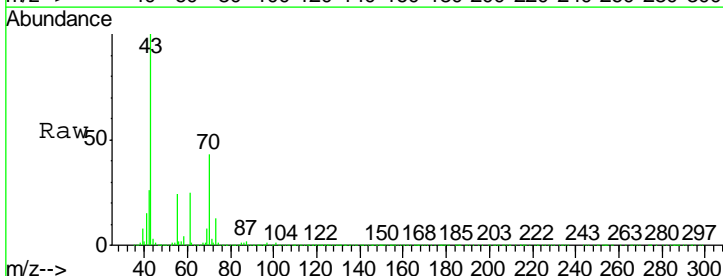
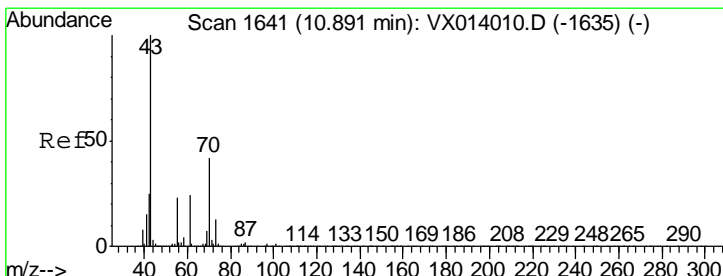
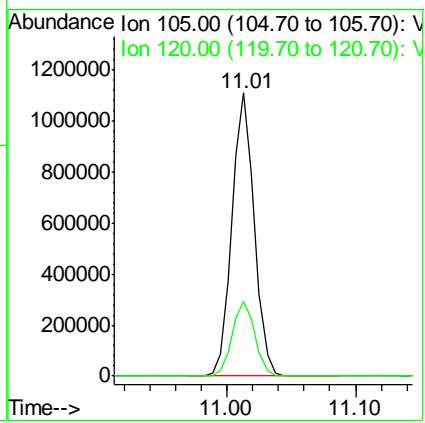
#73
 Isopropylbenzene
 Concen: 52.294 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 105 Resp: 1343255

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

Instrument : MSVOA_X
 Client Sampled : VSTDC050

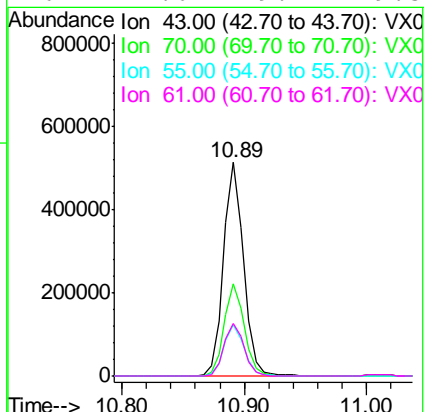
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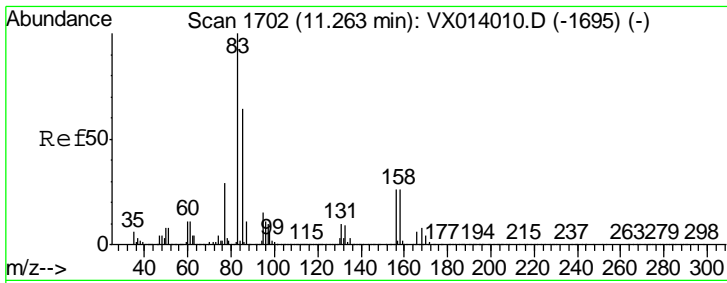


#74
 N-aryl acetate
 Concen: 48.446 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion: 43 Resp: 583308

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.4	51.6
55	24.5	19.1	28.7
61	24.6	19.7	29.5



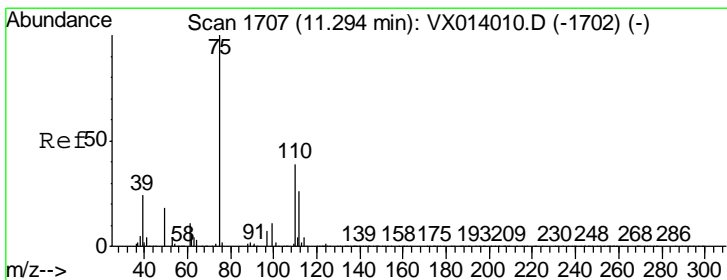
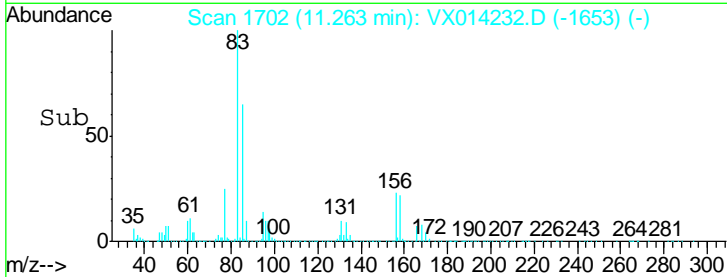
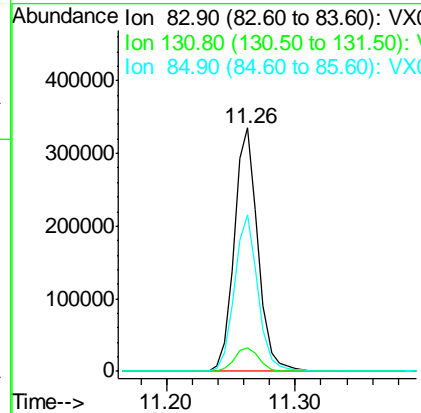
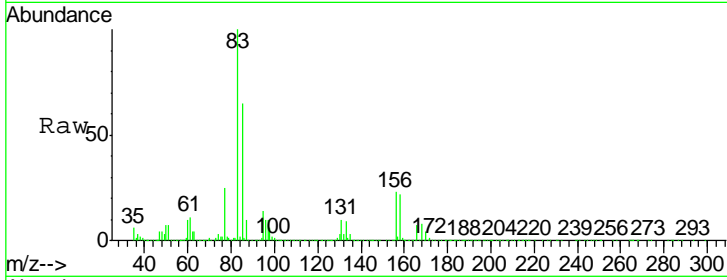


#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.353 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

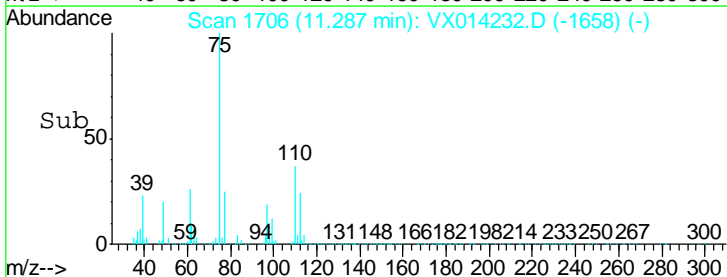
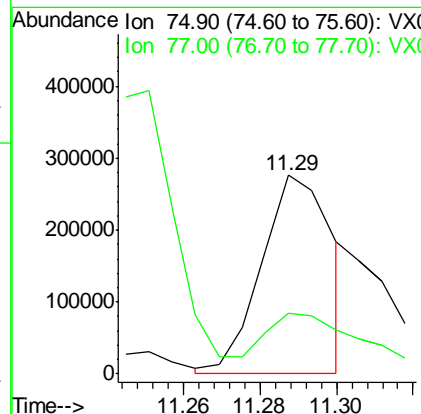
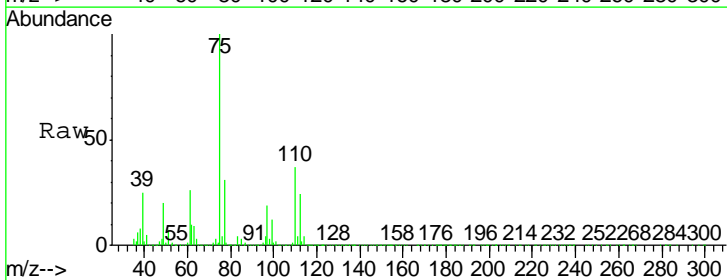
Tgt Ion	Resp	Lower	Upper
83	430598		
131	10.3	5.1	15.2
85	63.9	31.9	95.7

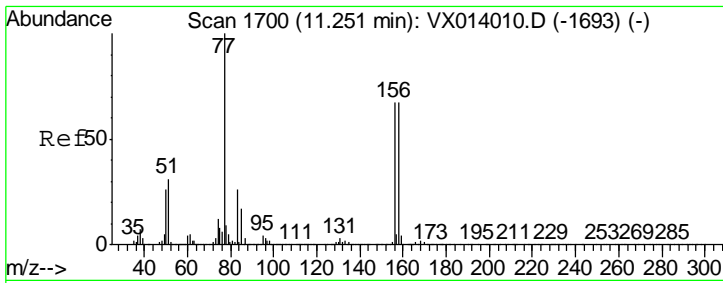
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#76
 1,2,3-Trichloropropane
 Concen: 44.565 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
75	352974		
77	41.7	19.3	57.8



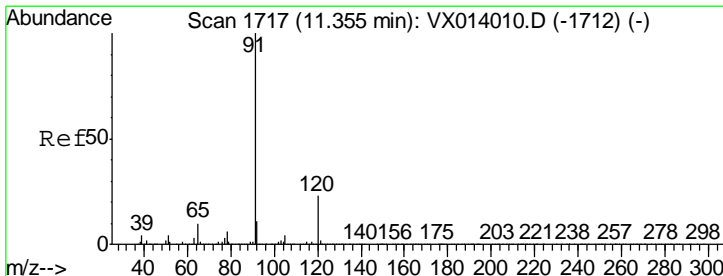
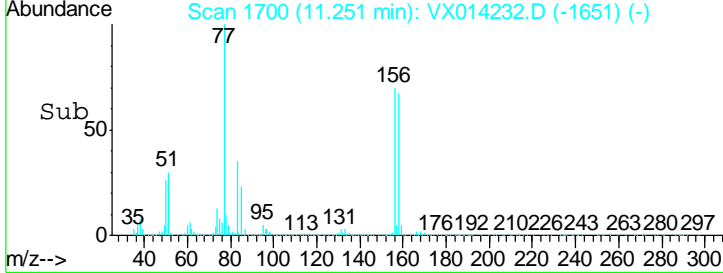
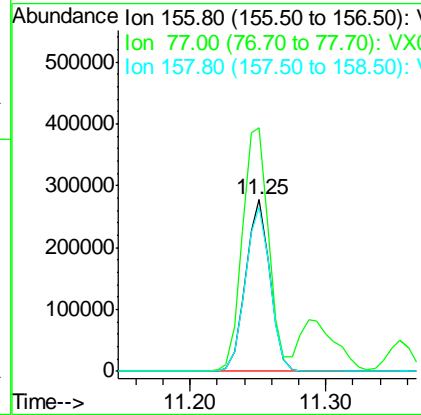
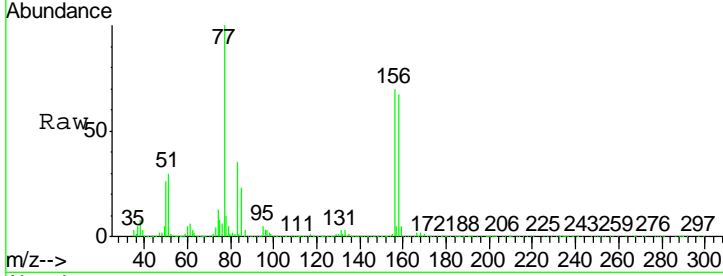


#77
 Bromobenzene
 Concen: 48.590 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDCCC050

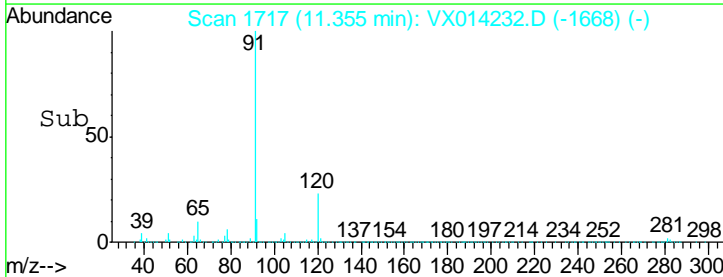
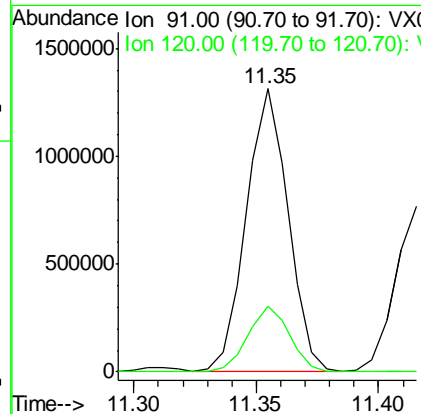
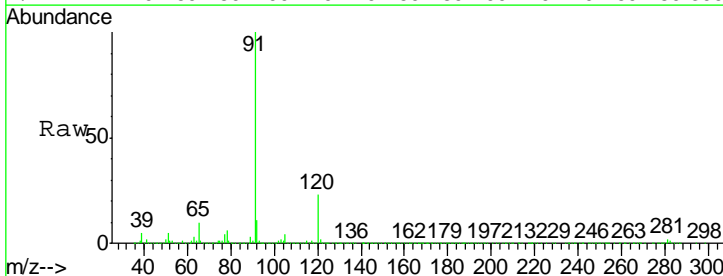
Tgt Ion	Resp	Lower	Upper
156	343403		
77	152.3	76.5	229.5
158	98.3	49.3	147.9

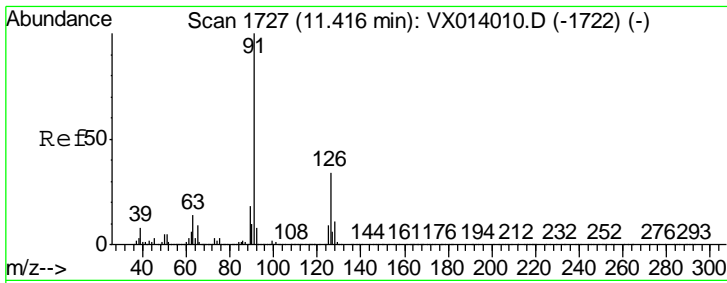
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#78
 n-propylbenzene
 Concen: 53.997 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
91	1555769		
120	23.3	11.7	35.0



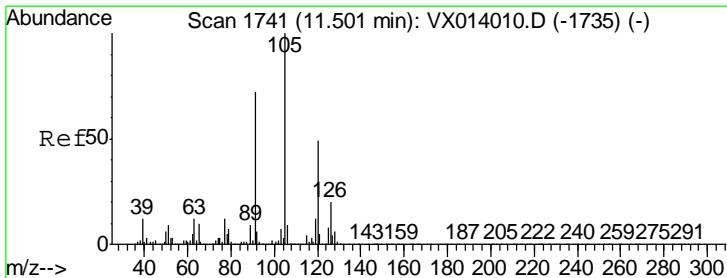
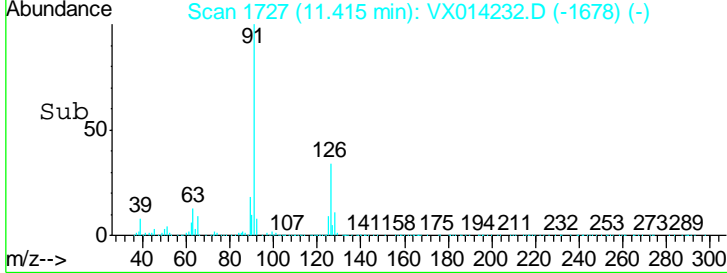
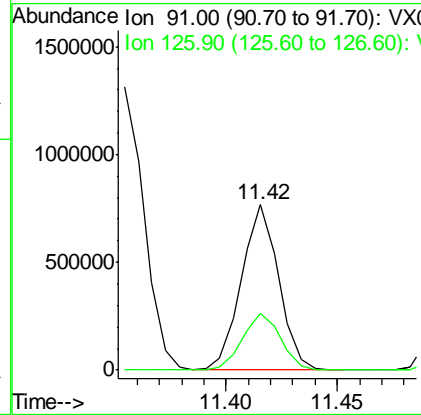
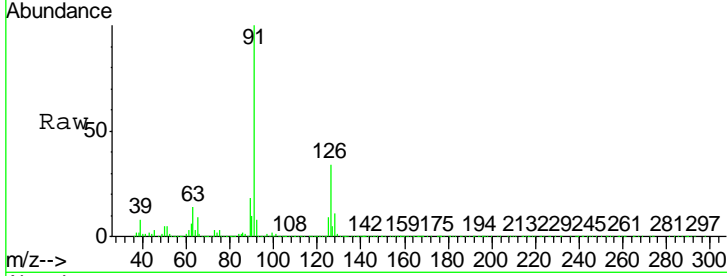


#79
 2-Chlorotoluene
 Concen: 51.087 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

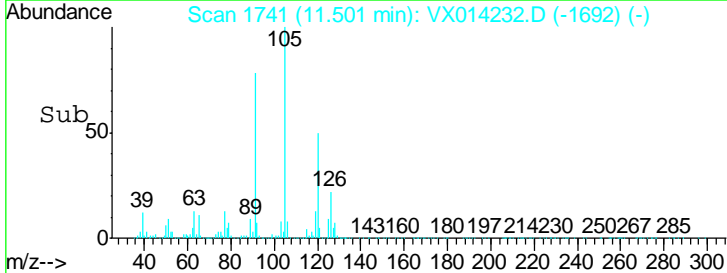
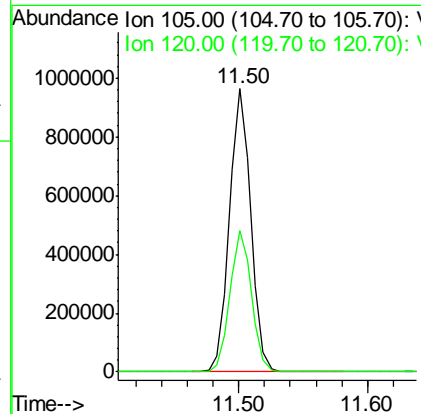
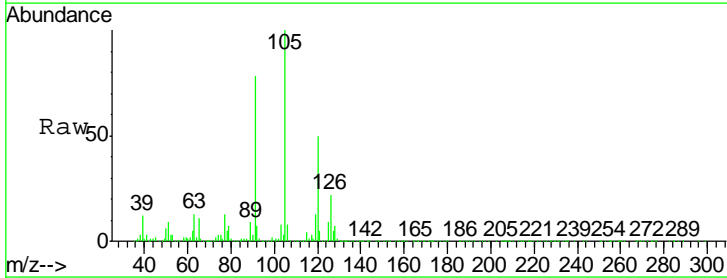
Tgt Ion	Resp	Lower	Upper
91	100		
126	35.1	17.2	51.6

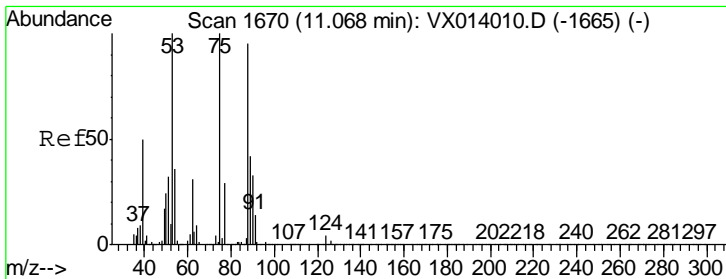
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.188 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.2	25.3	75.8





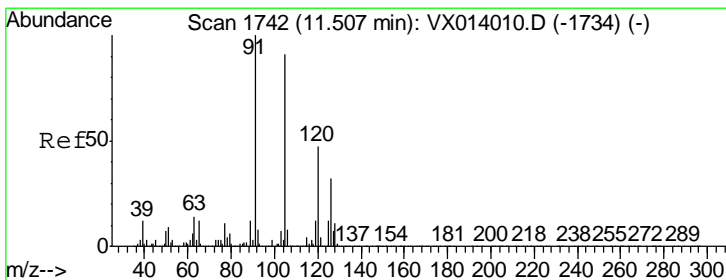
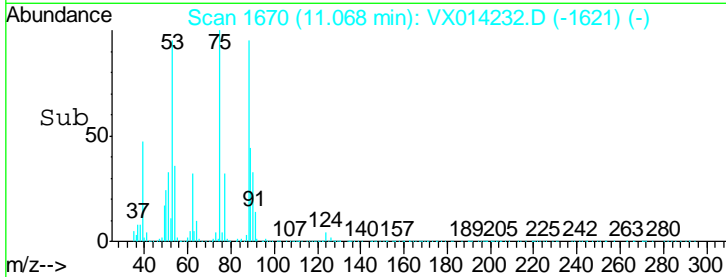
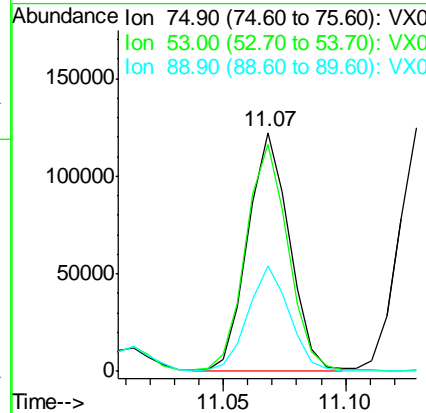
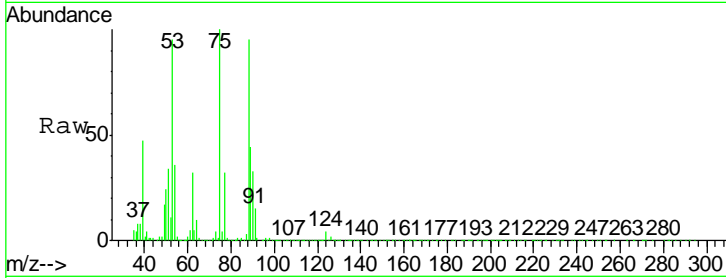
#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.562 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
75	144690		
75	100		
53	96.2	76.7	115.1
89	43.9	34.6	51.8

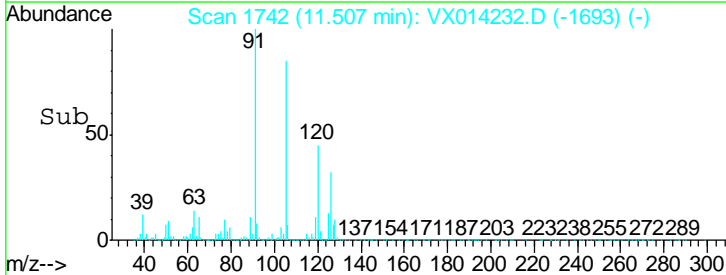
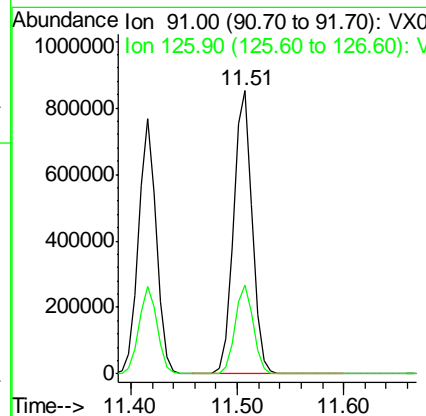
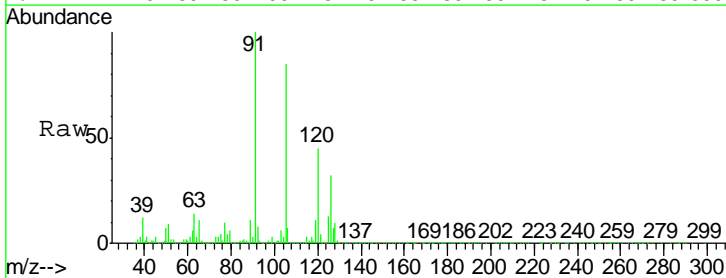
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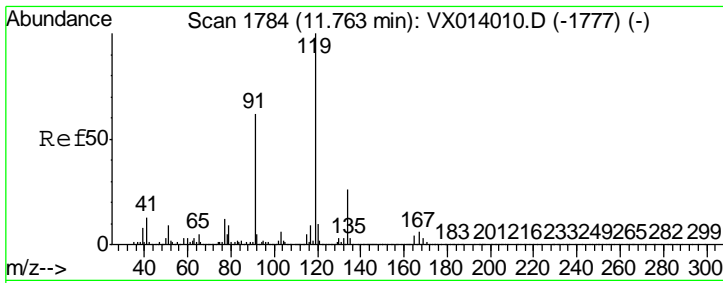
apatel
 12/26/2019 9:24:17 AM



#82
 4-Chlorotoluene
 Concen: 51.335 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
91	1042921		
91	100		
126	30.7	15.6	46.8



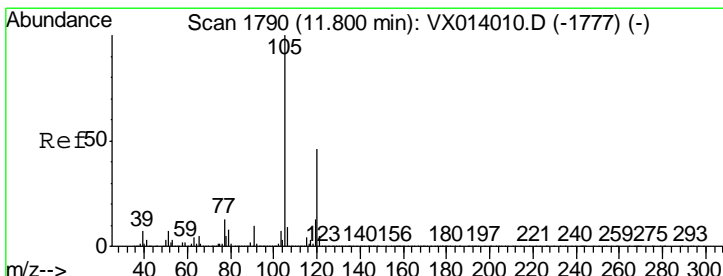
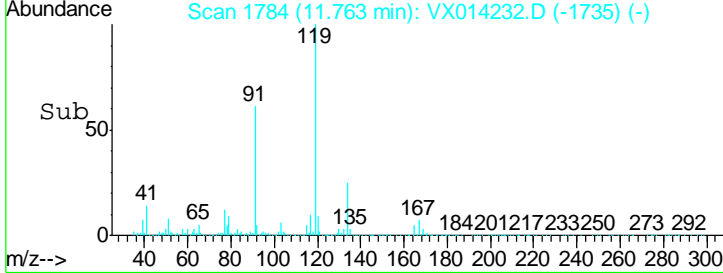
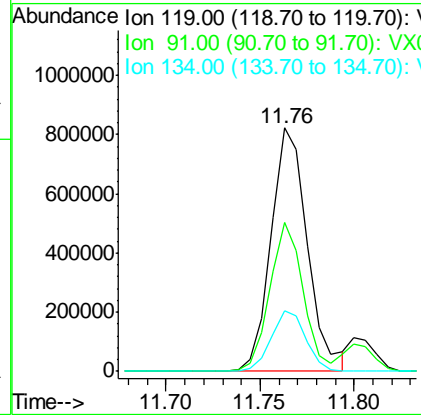
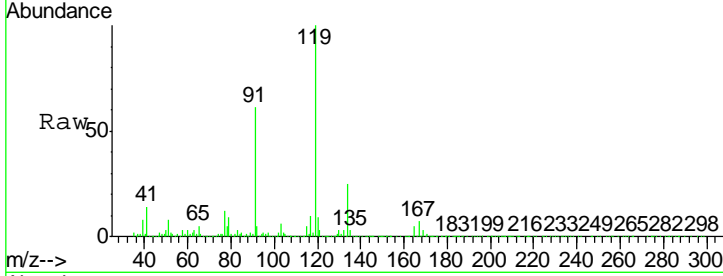


#83
 tert-Butylbenzene
 Concen: 52.257 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

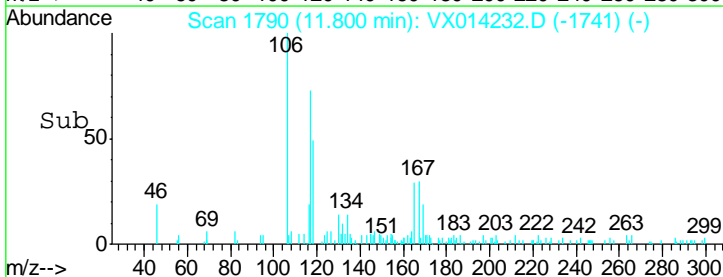
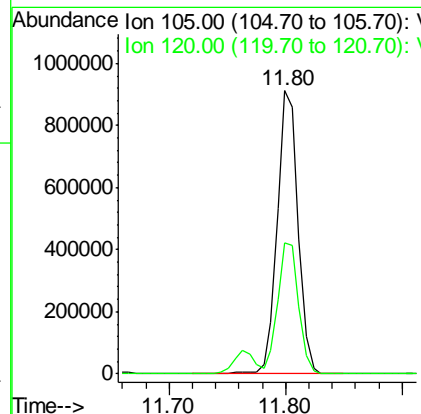
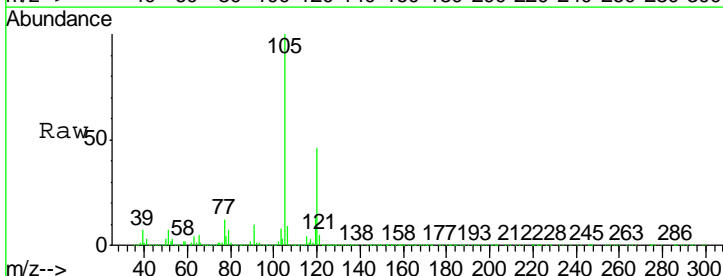
Tgt Ion	Resp	Lower	Upper
119	1099381		
91	55.9	28.5	85.6
134	23.8	12.2	36.6

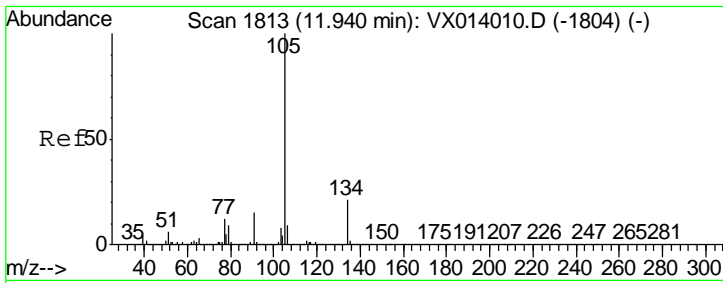
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.352 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

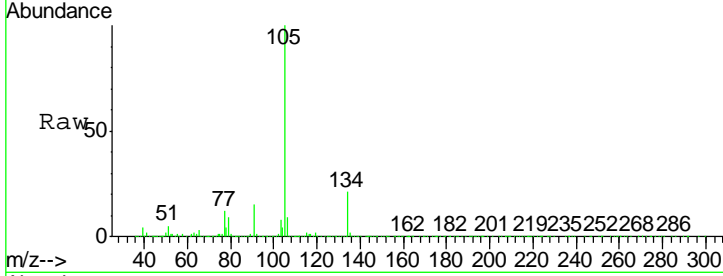
Tgt Ion	Resp	Lower	Upper
105	1133384		
120	46.5	23.1	69.2





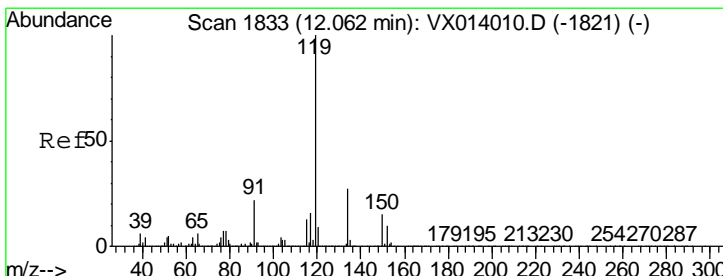
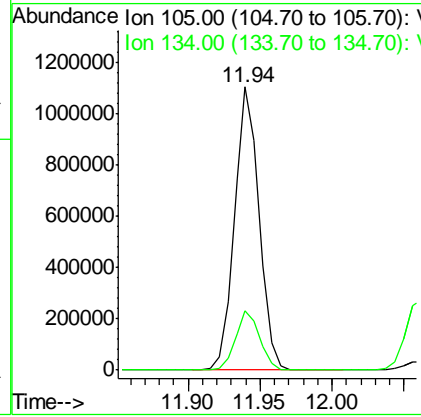
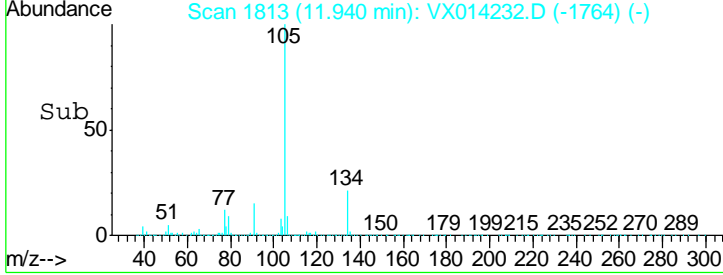
#85
 sec-Butylbenzene
 Concen: 53.042 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

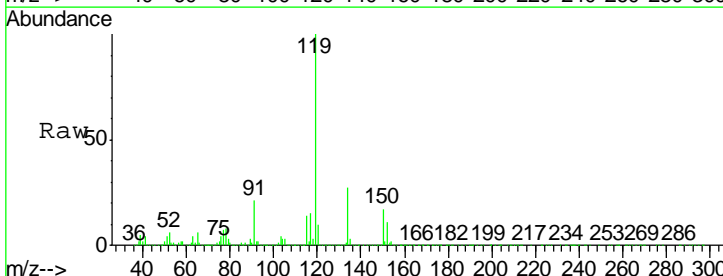


Tgt Ion: 105 Resp: 1317333
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1

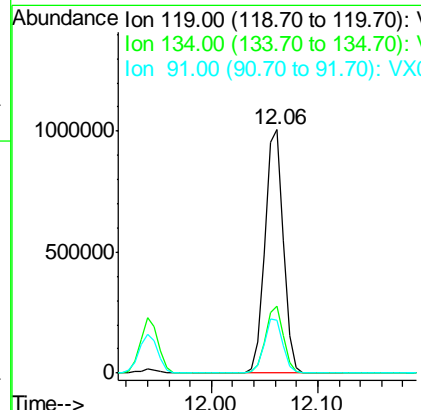
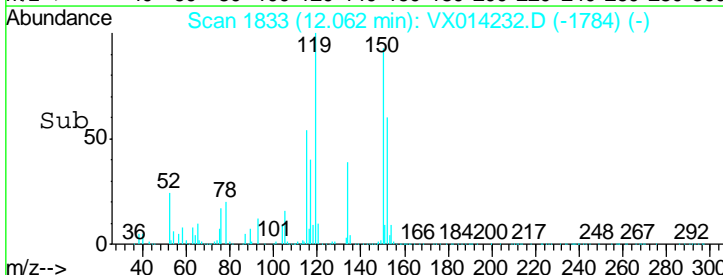
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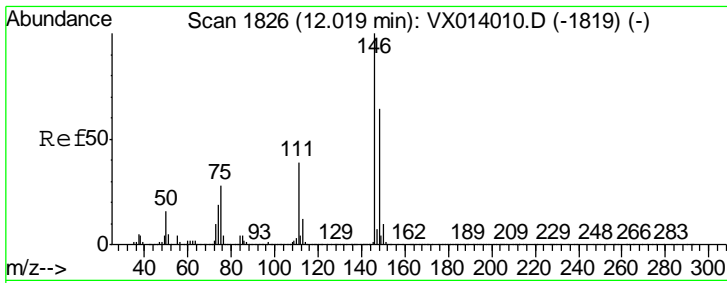


#86
 p-Isopropyltoluene
 Concen: 53.775 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28



Tgt Ion: 119 Resp: 1221673
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 22.3 11.4 34.1



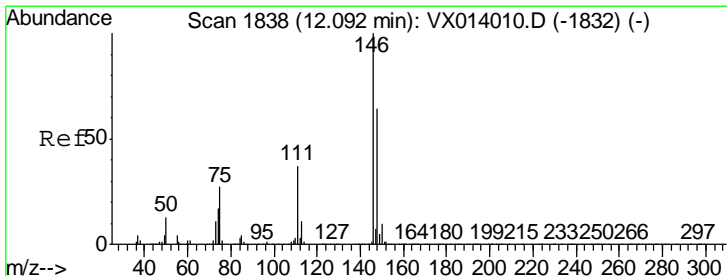
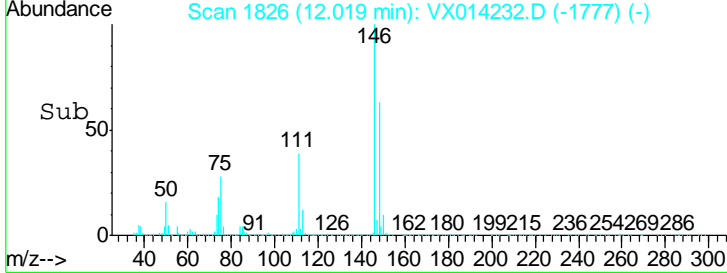
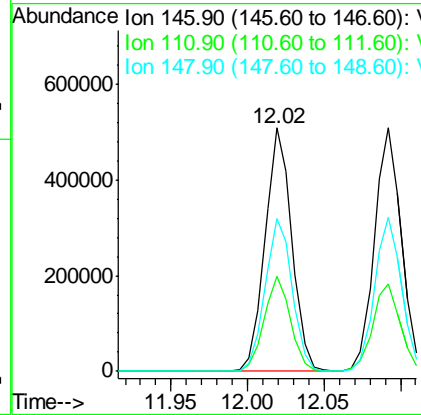
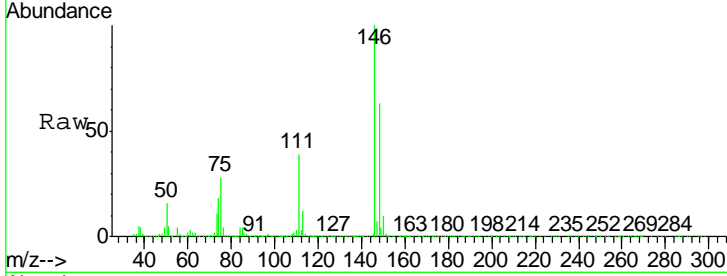


#87
 1,3-Dichlorobenzene
 Concen: 49.963 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

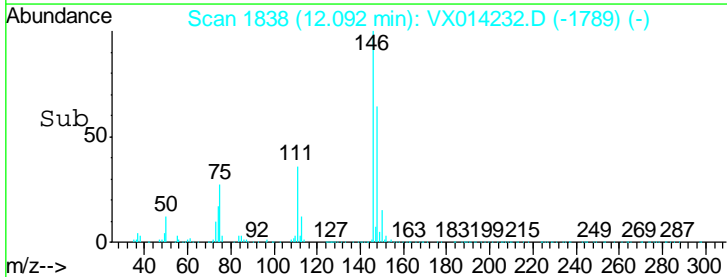
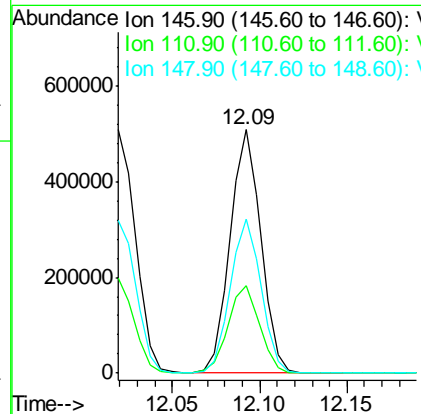
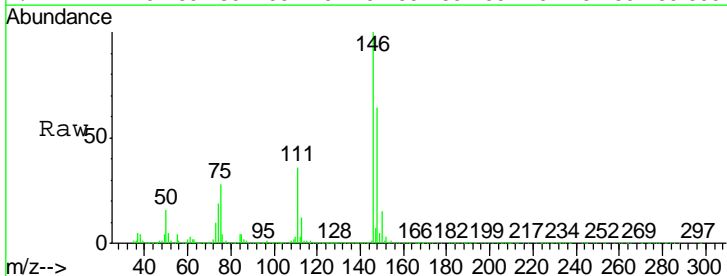
Tgt Ion	Resp	Lower	Upper
146	618856		
111	38.3	19.1	57.1
148	64.0	32.3	96.9

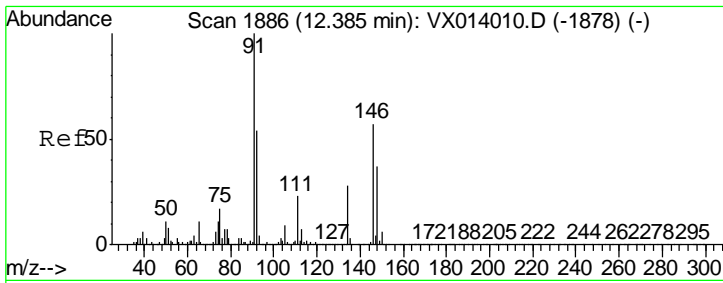
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#88
 1,4-Dichlorobenzene
 Concen: 49.196 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
146	619591		
111	36.9	18.7	56.1
148	63.6	31.9	95.9



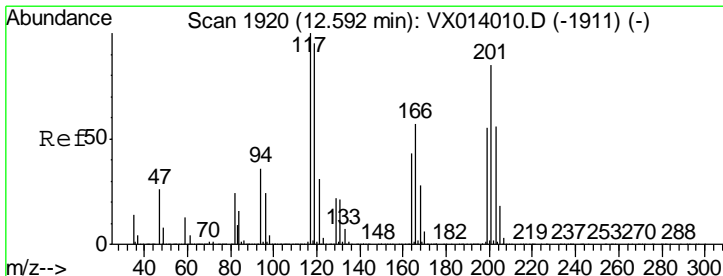
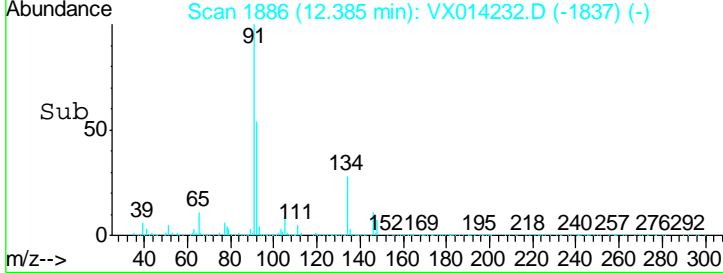
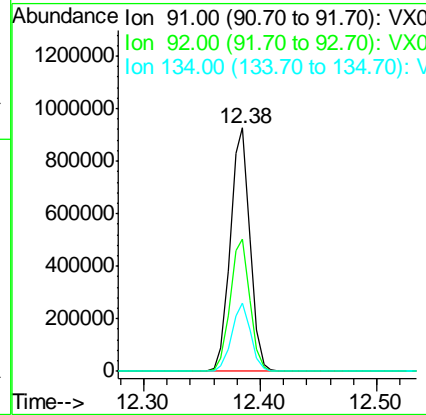
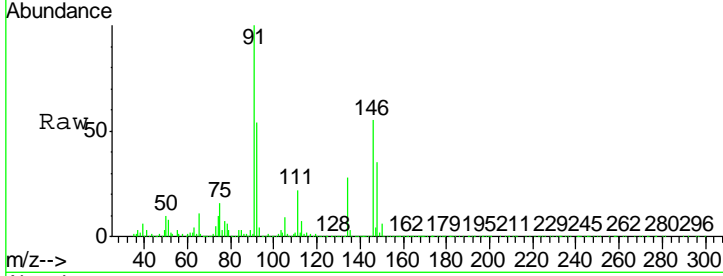


#89
 n-Butylbenzene
 Concen: 55.468 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

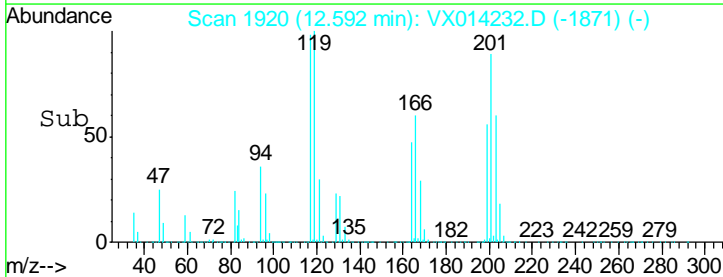
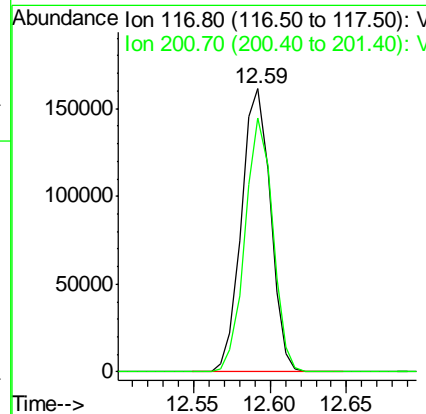
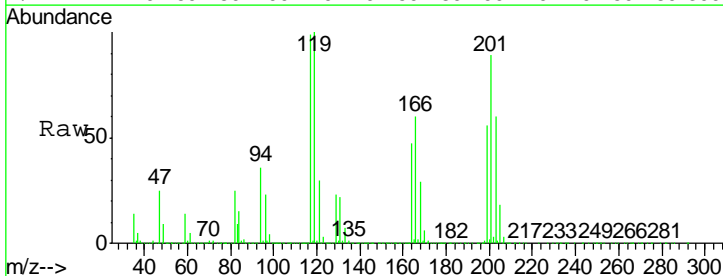
Tgt Ion	Resp	Lower	Upper
91	1075223		
91	100		
92	54.6	27.2	81.6
134	27.1	13.4	40.1

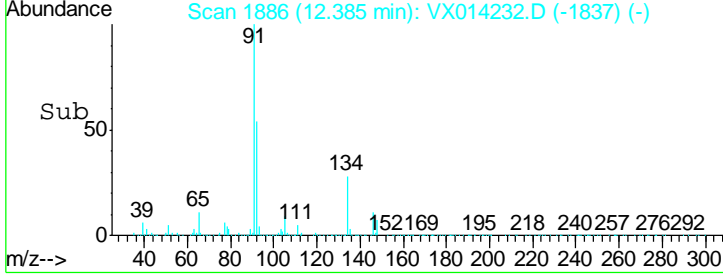
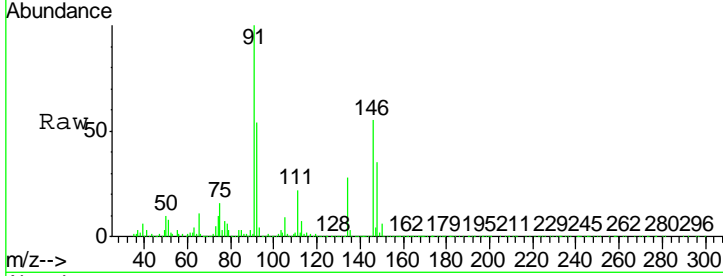
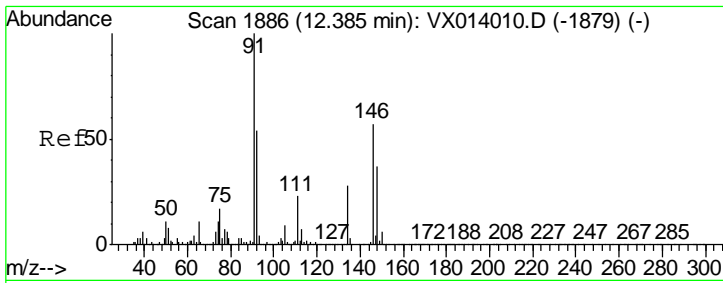
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#90
 Hexachloroethane
 Concen: 52.161 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
117	212847		
117	100		
201	85.5	43.1	129.3



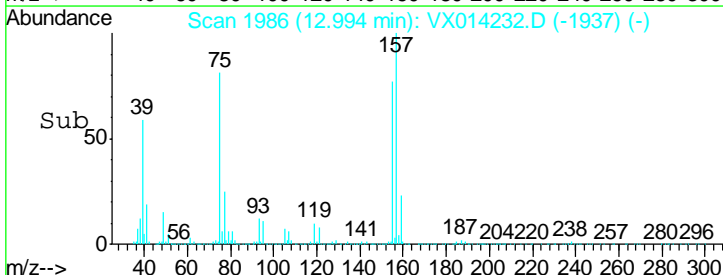
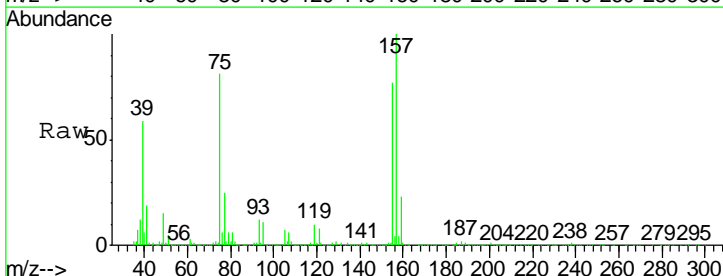
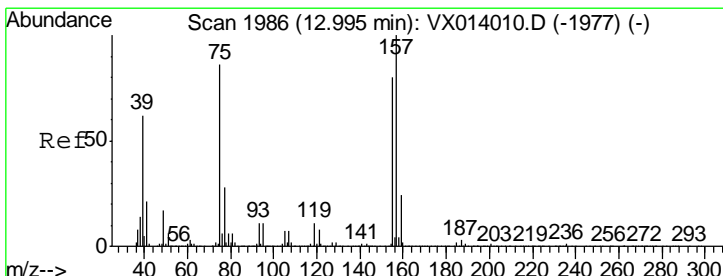
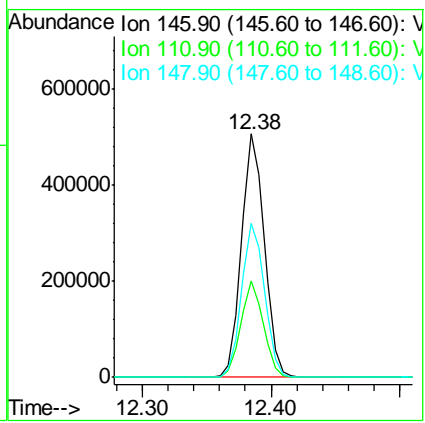


#91
 1,2-Dichlorobenzene
 Concen: 49.620 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
146	618701		
146	100		
111	39.1	19.7	59.1
148	63.7	32.1	96.5

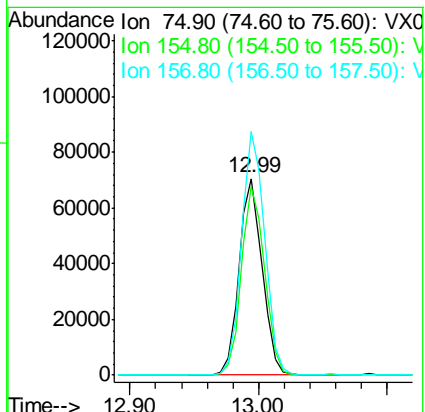
Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

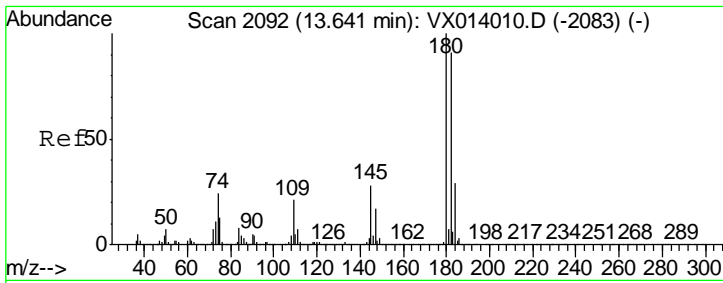
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.116 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

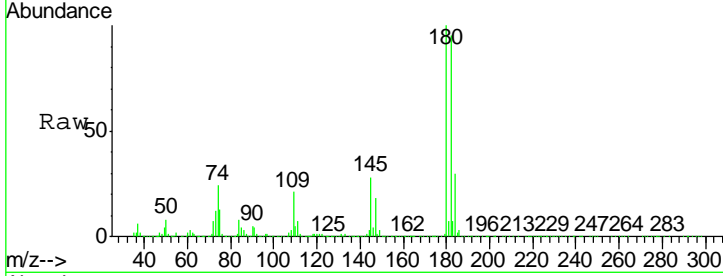
Tgt Ion	Resp	Lower	Upper
75	86939		
75	100		
155	96.7	46.9	140.6
157	124.1	60.8	182.4





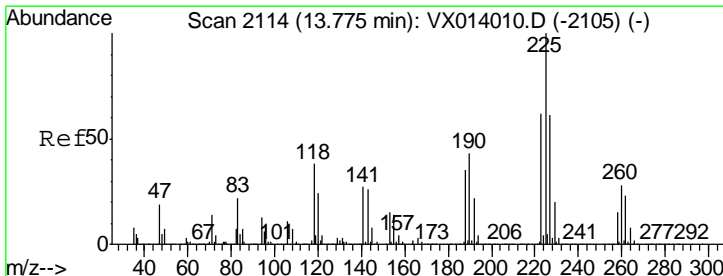
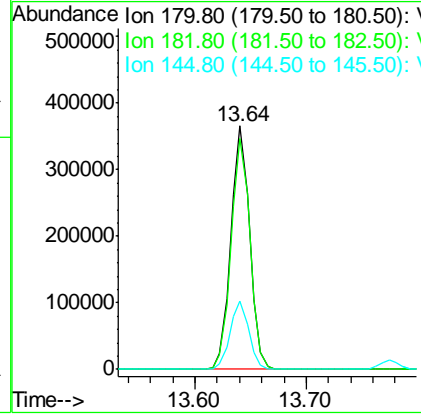
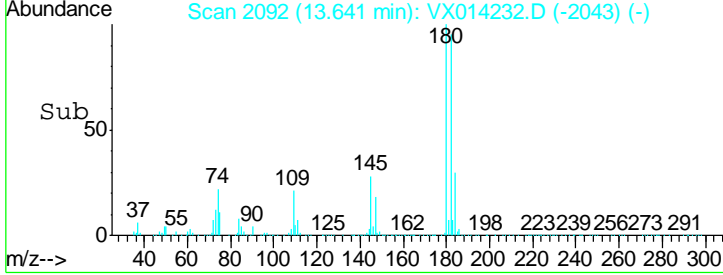
#93
 1,2,4-Trichlorobenzene
 Concen: 52.435 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

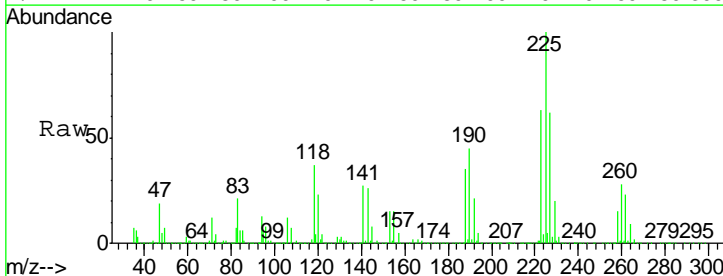


Tgt Ion	Resp	Lower	Upper
180	100		
182	96.0	46.6	139.8
145	28.1	14.2	42.6

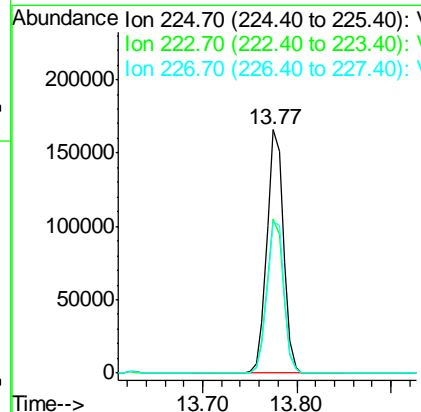
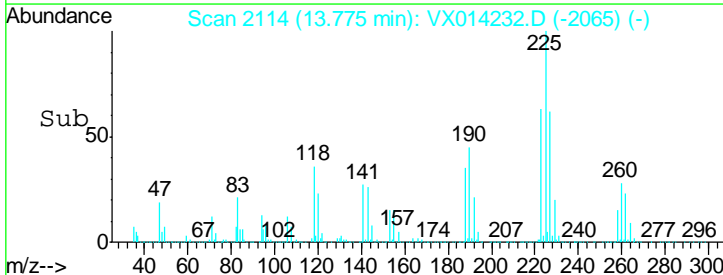
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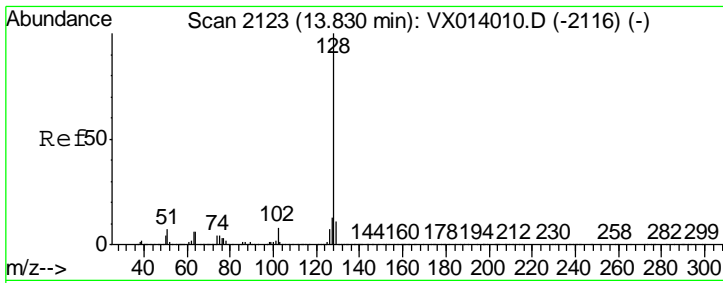


#94
 Hexachlorobutadiene
 Concen: 52.819 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28



Tgt Ion	Resp	Lower	Upper
225	100		
223	63.1	30.9	92.5
227	63.8	30.9	92.7



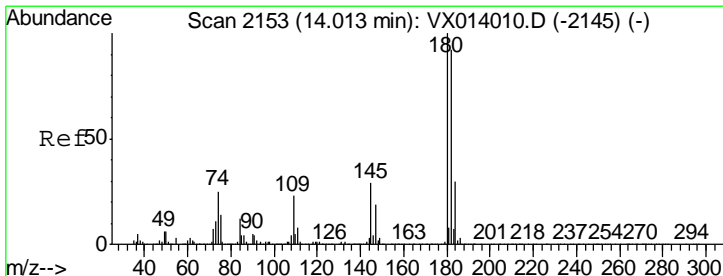
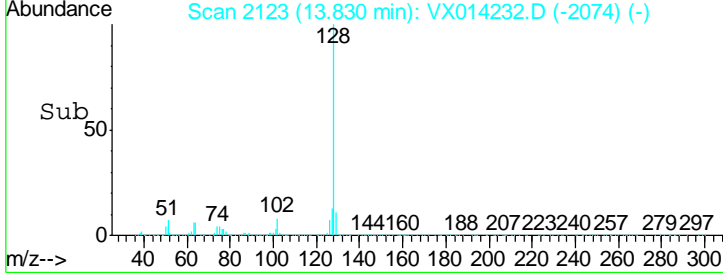
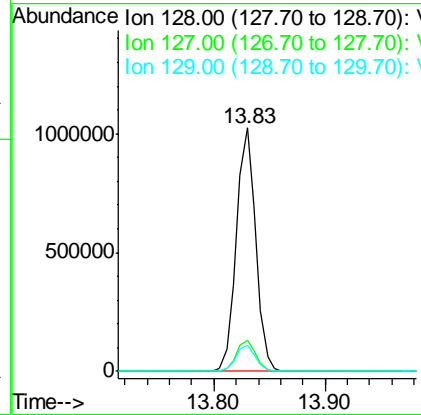
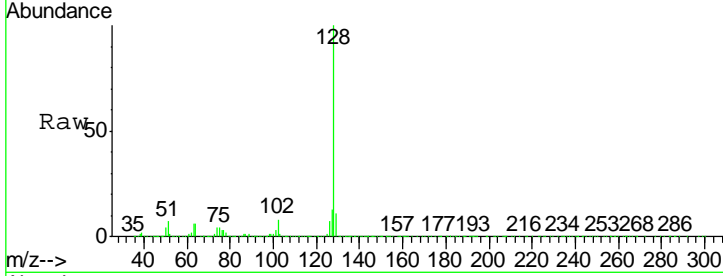


#95
 Naphthalene
 Concen: 51.478 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Instrument : MSVOA_X
 Client Sampled : VSTDC050

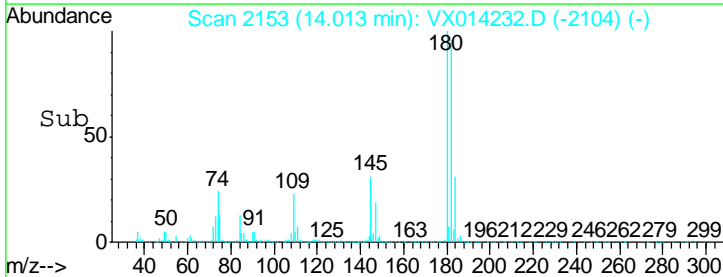
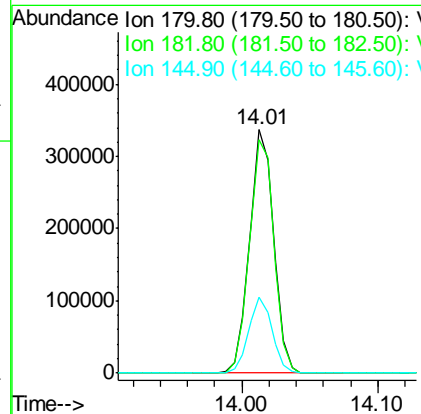
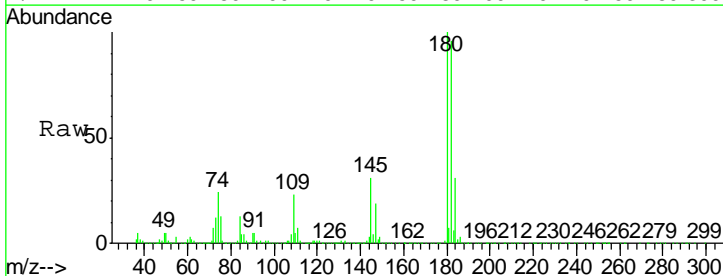
Tgt Ion	Resp	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.7	13.1

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#96
 1,2,3-Trichlorobenzene
 Concen: 52.228 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX014232.D
 Acq: 24 Dec 2019 09:28

Tgt Ion	Resp	Lower	Upper
180	100		
182	97.4	46.8	140.3
145	30.5	14.8	44.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	0.447	0.406	9.2	89	0.00
3 P	Chloromethane	0.600	0.537	10.5	87	0.00
4 C	Vinyl Chloride	0.633	0.585	7.6#	92	0.00
5 T	Bromomethane	0.450	0.367	18.4	84	0.00
6 T	Chloroethane	0.391	0.376	3.8	96	0.01
7 T	Trichlorofluoromethane	0.784	0.766	2.3	97	0.00
8 T	Diethyl Ether	0.368	0.348	5.4	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.473	0.472	0.2	100	0.00
10 T	Methyl Iodide	0.575	0.573	0.3	89	0.00
11 T	Tert butyl alcohol	0.122	0.097	20.5#	82	-0.02
12 CM	1,1-Dichloroethene	0.481	0.464	3.5#	96	0.00
13 T	Acrolein	0.070	0.074	-5.7	110	0.00
14 T	Allyl chloride	0.859	0.840	2.2	96	0.00
15 T	Acrylonitrile	0.286	0.267	6.6	93	0.00
16 T	Acetone	0.368	0.318	13.6	82	0.00
17 T	Carbon Disulfide	1.418	1.196	15.7	88	0.00
18 T	Methyl Acetate	0.729	0.676	7.3	93	0.00
19 T	Methyl tert-butyl Ether	1.580	1.562	1.1	96	0.00
20 T	Methylene Chloride	0.579	0.538	7.1	98	0.00
21 T	trans-1,2-Dichloroethene	0.530	0.499	5.8	96	0.00
22 T	Diisopropyl ether	1.711	1.731	-1.2	99	0.00
23 T	Vinyl Acetate	1.397	1.433	-2.6	98	0.00
24 P	1,1-Dichloroethane	0.952	0.924	2.9	98	0.00
25 T	2-Butanone	0.454	0.420	7.5	89	0.00
26 T	2,2-Dichloropropane	0.739	0.740	-0.1	98	0.00
27 T	cis-1,2-Dichloroethene	0.599	0.583	2.7	97	0.00
28 T	Bromochloromethane	0.332	0.384	-15.7	98	0.00
29 T	Tetrahydrofuran	0.254	0.235	7.5	91	0.00
30 C	Chloroform	0.903	0.893	1.1#	97	0.00
31 T	Cyclohexane	0.847	0.833	1.7	94	0.00
32 T	1,1,1-Trichloroethane	0.769	0.759	1.3	97	0.00
33 S	1,2-Dichloroethane-d4	0.567	0.516	9.0	88	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35 S	Dibromofluoromethane	0.304	0.292	3.9	90	0.00
36 T	1,1-Dichloropropene	0.459	0.461	-0.4	97	0.00
37 T	Ethyl Acetate	0.507	0.490	3.4	90	0.00
38 T	Carbon Tetrachloride	0.418	0.432	-3.3	96	0.00
39 T	Methylcyclohexane	0.566	0.578	-2.1	98	0.00
40 TM	Benzene	1.412	1.415	-0.2	97	0.00
41 T	Methacrylonitrile	0.281	0.279	0.7	95	-0.01
42 TM	1,2-Dichloroethane	0.479	0.478	0.2	96	0.00
43 T	Isopropyl Acetate	0.838	0.830	1.0	94	0.00
44 TM	Trichloroethene	0.390	0.386	1.0	99	0.00
45 C	1,2-Dichloropropane	0.362	0.373	-3.0#	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.239	0.235	1.7	97	0.00
47 T	Bromodichloromethane	0.451	0.473	-4.9	98	0.00
48 T	Methyl methacrylate	0.411	0.406	1.2	93	0.00
49 T	1,4-Dioxane	0.008	0.007	12.5	84	0.00
50 S	Toluene-d8	1.183	1.126	4.8	88	0.00
51 T	4-Methyl-2-Pentanone	0.527	0.506	4.0	91	0.00
52 CM	Toluene	0.892	0.891	0.1#	96	0.00
53 T	t-1,3-Dichloropropene	0.494	0.521	-5.5	95	0.00
54 T	cis-1,3-Dichloropropene	0.550	0.593	-7.8	98	0.00
55 T	1,1,2-Trichloroethane	0.358	0.361	-0.8	97	0.00
56 T	Ethyl methacrylate	0.562	0.570	-1.4	93	0.00
57 T	1,3-Dichloropropane	0.602	0.608	-1.0	96	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.222	-4.2	93	0.00
59 T	2-Hexanone	0.424	0.408	3.8	89	0.00
60 T	Dibromochloromethane	0.355	0.377	-6.2	97	0.00
61 T	1,2-Dibromoethane	0.366	0.370	-1.1	95	0.00
62 S	4-Bromofluorobenzene	0.433	0.402	7.2	86	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64 T	Tetrachloroethene	0.442	0.452	-2.3	98	0.00
65 PM	Chlorobenzene	1.063	1.072	-0.8	97	0.00
66 T	1,1,1,2-Tetrachloroethane	0.380	0.391	-2.9	96	0.00
67 C	Ethyl Benzene	1.828	1.900	-3.9#	96	0.00
68 T	m/p-Xylenes	0.703	0.720	-2.4	96	0.00
69 T	o-Xylene	0.689	0.696	-1.0	94	0.00
70 T	Styrene	1.166	1.204	-3.3	94	0.00
71 P	Bromoform	0.305	0.317	-3.9	94	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	3.520	3.682	-4.6	97	0.00
74 T	N-amyl acetate	1.650	1.599	3.1	88	0.00
75 P	1,1,2,2-Tetrachloroethane	1.220	1.180	3.3	90	0.00
76 T	1,2,3-Trichloropropane	1.085	0.968	10.8	80	0.00
77 T	Bromobenzene	0.969	0.941	2.9	95	0.00
78 T	n-propylbenzene	3.949	4.264	-8.0	98	0.00
79 T	2-Chlorotoluene	2.400	2.453	-2.2	95	0.00
80 T	1,3,5-Trimethylbenzene	2.963	3.092	-4.4	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.385	0.397	-3.1	90	0.00
82 T	4-Chlorotoluene	2.784	2.859	-2.7	97	0.00
83 T	tert-Butylbenzene	2.883	3.013	-4.5	98	0.00
84 T	1,2,4-Trimethylbenzene	2.967	3.107	-4.7	96	0.00
85 T	sec-Butylbenzene	3.404	3.611	-6.1	98	0.00
86 T	p-Isopropyltoluene	3.114	3.349	-7.5	98	0.00
87 T	1,3-Dichlorobenzene	1.698	1.696	0.1	97	0.00
88 T	1,4-Dichlorobenzene	1.726	1.698	1.6	97	0.00
89 T	n-Butylbenzene	2.657	2.947	-10.9	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.559	0.583	-4.3	95	0.00
91 T	1,2-Dichlorobenzene	1.709	1.696	0.8	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.270	0.238	11.9	86	0.00
93 T	1,2,4-Trichlorobenzene	1.111	1.165	-4.9	99	0.00
94 T	Hexachlorobutadiene	0.534	0.564	-5.6	102	0.00
95 T	Naphthalene	3.263	3.360	-3.0	92	0.00
96 T	1,2,3-Trichlorobenzene	1.096	1.145	-4.5	96	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	50.000	45.411	9.2	89	0.00
3 P	Chloromethane	50.000	44.730	10.5	87	0.00
4 C	Vinyl Chloride	50.000	46.211	7.6#	92	0.00
5 T	Bromomethane	50.000	40.842	18.3	84	0.00
6 T	Chloroethane	50.000	48.095	3.8	96	0.01
7 T	Trichlorofluoromethane	50.000	48.819	2.4	97	0.00
8 T	Diethyl Ether	50.000	47.223	5.6	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.892	0.2	100	0.00
10 T	Methyl Iodide	50.000	46.195	7.6	89	0.00
11 T	Tert butyl alcohol	250.000	198.251	20.7#	82	-0.02
12 CM	1,1-Dichloroethene	50.000	48.244	3.5#	96	0.00
13 T	Acrolein	250.000	265.450	-6.2	110	0.00
14 T	Allyl chloride	50.000	48.899	2.2	96	0.00
15 T	Acrylonitrile	250.000	233.411	6.6	93	0.00
16 T	Acetone	250.000	216.138	13.5	82	0.00
17 T	Carbon Disulfide	50.000	44.874	10.3	88	0.00
18 T	Methyl Acetate	50.000	46.371	7.3	93	0.00
19 T	Methyl tert-butyl Ether	50.000	49.405	1.2	96	0.00
20 T	Methylene Chloride	50.000	46.415	7.2	98	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.123	5.8	96	0.00
22 T	Diisopropyl ether	50.000	50.587	-1.2	99	0.00
23 T	Vinyl Acetate	250.000	256.599	-2.6	98	0.00
24 P	1,1-Dichloroethane	50.000	48.509	3.0	98	0.00
25 T	2-Butanone	250.000	231.727	7.3	89	0.00
26 T	2,2-Dichloropropane	50.000	50.083	-0.2	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.604	2.8	97	0.00
28 T	Bromochloromethane	50.000	52.389	-4.8	98	0.00
29 T	Tetrahydrofuran	250.000	231.254	7.5	91	0.00
30 C	Chloroform	50.000	49.487	1.0#	97	0.00
31 T	Cyclohexane	50.000	49.184	1.6	94	0.00
32 T	1,1,1-Trichloroethane	50.000	49.320	1.4	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.496	9.0	88	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35 S	Dibromofluoromethane	50.000	48.057	3.9	90	0.00
36 T	1,1-Dichloropropene	50.000	50.277	-0.6	97	0.00
37 T	Ethyl Acetate	50.000	48.344	3.3	90	0.00
38 T	Carbon Tetrachloride	50.000	51.657	-3.3	96	0.00
39 T	Methylcyclohexane	50.000	51.029	-2.1	98	0.00
40 TM	Benzene	50.000	50.116	-0.2	97	0.00
41 T	Methacrylonitrile	50.000	49.572	0.9	95	-0.01
42 TM	1,2-Dichloroethane	50.000	49.977	0.0	96	0.00
43 T	Isopropyl Acetate	50.000	49.498	1.0	94	0.00
44 TM	Trichloroethene	50.000	49.560	0.9	99	0.00
45 C	1,2-Dichloropropane	50.000	51.571	-3.1#	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	49.209	1.6	97	0.00
47 T	Bromodichloromethane	50.000	52.450	-4.9	98	0.00
48 T	Methyl methacrylate	50.000	49.462	1.1	93	0.00
49 T	1,4-Dioxane	1000.000	851.606	14.8	84	0.00
50 S	Toluene-d8	50.000	47.597	4.8	88	0.00
51 T	4-Methyl-2-Pentanone	250.000	240.403	3.8	91	0.00
52 CM	Toluene	50.000	49.904	0.2#	96	0.00
53 T	t-1,3-Dichloropropene	50.000	52.738	-5.5	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.876	-7.8	98	0.00
55 T	1,1,2-Trichloroethane	50.000	50.509	-1.0	97	0.00
56 T	Ethyl methacrylate	50.000	50.753	-1.5	93	0.00
57 T	1,3-Dichloropropane	50.000	50.541	-1.1	96	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	261.476	-4.6	93	0.00
59 T	2-Hexanone	250.000	240.807	3.7	89	0.00
60 T	Dibromochloromethane	50.000	53.075	-6.2	97	0.00
61 T	1,2-Dibromoethane	50.000	50.585	-1.2	95	0.00
62 S	4-Bromofluorobenzene	50.000	46.514	7.0	86	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64 T	Tetrachloroethene	50.000	51.087	-2.2	98	0.00
65 PM	Chlorobenzene	50.000	50.430	-0.9	97	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.543	-3.1	96	0.00
67 C	Ethyl Benzene	50.000	51.978	-4.0#	96	0.00
68 T	m/p-Xylenes	100.000	102.434	-2.4	96	0.00
69 T	o-Xylene	50.000	50.456	-0.9	94	0.00
70 T	Styrene	50.000	51.647	-3.3	94	0.00
71 P	Bromoform	50.000	51.959	-3.9	94	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	52.294	-4.6	97	0.00
74 T	N-amyl acetate	50.000	48.446	3.1	88	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.353	3.3	90	0.00
76 T	1,2,3-Trichloropropane	50.000	44.565	10.9	80	0.00
77 T	Bromobenzene	50.000	48.590	2.8	95	0.00
78 T	n-propylbenzene	50.000	53.997	-8.0	98	0.00
79 T	2-Chlorotoluene	50.000	51.087	-2.2	95	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.188	-4.4	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.562	-3.1	90	0.00
82 T	4-Chlorotoluene	50.000	51.335	-2.7	97	0.00
83 T	tert-Butylbenzene	50.000	52.257	-4.5	98	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.352	-4.7	96	0.00
85 T	sec-Butylbenzene	50.000	53.042	-6.1	98	0.00
86 T	p-Isopropyltoluene	50.000	53.775	-7.5	98	0.00
87 T	1,3-Dichlorobenzene	50.000	49.963	0.1	97	0.00
88 T	1,4-Dichlorobenzene	50.000	49.196	1.6	97	0.00
89 T	n-Butylbenzene	50.000	55.468	-10.9	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122419\
 Data File : VX014232.D
 Acq On : 24 Dec 2019 09:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 25 05:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	52.161	-4.3	95	0.00
91 T	1,2-Dichlorobenzene	50.000	49.620	0.8	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.116	11.8	86	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.435	-4.9	99	0.00
94 T	Hexachlorobutadiene	50.000	52.819	-5.6	102	0.00
95 T	Naphthalene	50.000	51.478	-3.0	92	0.00
96 T	1,2,3-Trichlorobenzene	50.000	52.228	-4.5	96	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG No.: K6405
 Instrument ID: MSVOA_X Calibration Date/Time: 12/26/2019 10:46
 Lab File ID: VX014259.D Init. Calib. Date(s): 12/13/2019 12/13/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:49 16:45
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.447	0.402		-10.07	20
Chloromethane	0.600	0.545	0.1	-9.17	20
Vinyl Chloride	0.633	0.581		-8.22	20
Bromomethane	0.450	0.379		-15.78	20
Chloroethane	0.391	0.376		-3.84	20
Trichlorofluoromethane	0.784	0.755		-3.7	20
1,1,2-Trichlorotrifluoroethane	0.473	0.468		-1.06	20
1,1-Dichloroethene	0.481	0.449		-6.65	20
Acetone	0.368	0.310		-15.76	20
Carbon Disulfide	1.418	1.168		-17.63	20
Methyl tert-butyl Ether	1.580	1.552		-1.77	20
Methyl Acetate	0.729	0.712		-2.33	20
Methylene Chloride	0.579	0.531		-8.29	20
trans-1,2-Dichloroethene	0.530	0.491		-7.36	20
1,1-Dichloroethane	0.952	0.916	0.1	-3.78	20
Cyclohexane	0.847	0.829		-2.13	20
2-Butanone	0.454	0.420		-7.49	20
Carbon Tetrachloride	0.418	0.420		0.48	20
cis-1,2-Dichloroethene	0.599	0.573		-4.34	20
Bromochloromethane	0.332	0.403		21.39	20
Chloroform	0.903	0.891		-1.33	20
1,1,1-Trichloroethane	0.769	0.744		-3.25	20
Methylcyclohexane	0.566	0.563		-0.53	20
Benzene	1.412	1.385		-1.91	20
1,2-Dichloroethane	0.479	0.475		-0.83	20
Trichloroethene	0.390	0.375		-3.85	20
1,2-Dichloropropane	0.362	0.365		0.83	20
Bromodichloromethane	0.451	0.465		3.1	20
4-Methyl-2-Pentanone	0.527	0.519		-1.52	20
Toluene	0.892	0.872		-2.24	20
t-1,3-Dichloropropene	0.494	0.511		3.44	20
cis-1,3-Dichloropropene	0.550	0.577		4.91	20
1,1,2-Trichloroethane	0.358	0.357		-0.28	20
2-Hexanone	0.424	0.406		-4.24	20
Dibromochloromethane	0.355	0.373		5.07	20
1,2-Dibromoethane	0.366	0.362		-1.09	20
Tetrachloroethene	0.442	0.436		-1.36	20
Chlorobenzene	1.063	1.042	0.3	-1.98	20
Ethyl Benzene	1.828	1.845		0.93	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG No.: K6405
 Instrument ID: MSVOA_X Calibration Date/Time: 12/26/2019 10:46
 Lab File ID: VX014259.D Init. Calib. Date(s): 12/13/2019 12/13/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:49 16:45
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.703	0.704		0.14	20
o-Xylene	0.689	0.678		-1.6	20
Styrene	1.166	1.175		0.77	20
Bromoform	0.305	0.313	0.1	2.62	20
Isopropylbenzene	3.520	3.588		1.93	20
1,1,2,2-Tetrachloroethane	1.220	1.180	0.3	-3.28	20
1,3-Dichlorobenzene	1.698	1.657		-2.41	20
1,4-Dichlorobenzene	1.726	1.652		-4.29	20
1,2-Dichlorobenzene	1.709	1.643		-3.86	20
1,2-Dibromo-3-Chloropropane	0.270	0.241		-10.74	20
1,2,4-Trichlorobenzene	1.111	1.120		0.81	20
1,2,3-Trichlorobenzene	1.096	1.121		2.28	20
1,2-Dichloroethane-d4	0.567	0.497		-12.35	20
Dibromofluoromethane	0.304	0.277		-8.88	20
Toluene-d8	1.183	1.075		-9.13	20
4-Bromofluorobenzene	0.433	0.385		-11.09	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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apatel
 12/27/2019 12:03:02 PM

Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	521803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	782219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	705002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	355197	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	259082	43.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.62%	
35) Dibromofluoromethane	5.49	113	216529	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
50) Toluene-d8	8.71	98	840577	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
62) 4-Bromofluorobenzene	11.13	95	300923	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	210019	44.989	ug/l 97
3) Chloromethane	1.32	50	284141	45.355	ug/l 99
4) Vinyl Chloride	1.41	62	302912	45.823	ug/l 99
5) Bromomethane	1.63	94	197660	42.129	ug/l 100
6) Chloroethane	1.72	64	196400	48.138	ug/l 96
7) Trichlorofluoromethane	1.92	101	394071	48.156	ug/l 99
8) Diethyl Ether	2.18	74	180546	47.011	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	244319	49.529	ug/l 99
10) Methyl Iodide	2.50	142	303008	46.759	ug/l 100
11) Tert butyl alcohol	3.03	59	269198	210.663	ug/l 99
12) 1,1-Dichloroethene	2.36	96	234284	46.676	ug/l 97
13) Acrolein	2.28	56	192018	262.503	ug/l 98
14) Allyl chloride	2.72	41	438317	48.908	ug/l 99
15) Acrylonitrile	3.13	53	726753	243.663	ug/l 100
16) Acetone	2.43	43	808312	210.531	ug/l 99
17) Carbon Disulfide	2.56	76	609486	43.833	ug/l 99
18) Methyl Acetate	2.76	43	371535	48.835	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	809651	49.088	ug/l 97
20) Methylene Chloride	2.84	84	276870	45.794	ug/l 96
21) trans-1,2-Dichloroethene	3.15	96	256214	46.333	ug/l 99
22) Diisopropyl ether	3.84	45	913361	51.143	ug/l 95
23) Vinyl Acetate	3.80	43	3796315	260.485	ug/l 99
24) 1,1-Dichloroethane	3.69	63	477977	48.105	ug/l 99
25) 2-Butanone	4.65	43	1094858	231.299	ug/l 100
26) 2,2-Dichloropropane	4.57	77	380633	49.340	ug/l 99
27) cis-1,2-Dichloroethene	4.58	96	298775	47.774	ug/l 100
28) Bromochloromethane	5.00	49	210143	54.948	ug/l 95
29) Tetrahydrofuran	5.11	42	641920	242.455	ug/l 99
30) Chloroform	5.20	83	464958	49.363	ug/l 99
31) Cyclohexane	5.57	56	432498	48.941	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	388124	48.348	ug/l 99
36) 1,1-Dichloropropene	5.79	75	354153	49.343	ug/l 99
37) Ethyl Acetate	4.81	43	397687	50.176	ug/l 99
38) Carbon Tetrachloride	5.77	117	328543	50.248	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 12/27/2019 12:03:02 PM

Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	440255	49.678	ug/l	99
40) Benzene	6.13	78	1083466	49.062	ug/l	99
41) Methacrylonitrile	5.03	41	225862	51.360	ug/l	96
42) 1,2-Dichloroethane	6.18	62	371865	49.676	ug/l	99
43) Isopropyl Acetate	6.43	43	655502	49.975	ug/l	99
44) Trichloroethene	7.20	130	293470	48.112	ug/l	97
45) 1,2-Dichloropropane	7.50	63	285686	50.472	ug/l	96
46) Dibromomethane	7.65	93	179851	48.059	ug/l	99
47) Bromodichloromethane	7.89	83	363672	51.599	ug/l	100
48) Methyl methacrylate	7.76	41	324109	50.461	ug/l	98
49) 1,4-Dioxane	7.73	88	115267	881.867	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2029374	246.356	ug/l	99
52) Toluene	8.78	92	681847	48.848	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	400041	51.764	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	451295	52.417	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	279367	49.937	ug/l	99
56) Ethyl methacrylate	9.17	69	445582	50.704	ug/l	100
57) 1,3-Dichloropropane	9.37	76	471296	50.071	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	882962	265.501	ug/l	100
59) 2-Hexanone	9.48	43	1589832	239.748	ug/l	99
60) Dibromochloromethane	9.57	129	291594	52.437	ug/l	100
61) 1,2-Dibromoethane	9.67	107	283394	49.510	ug/l	100
64) Tetrachloroethene	9.33	164	307554	49.300	ug/l	99
65) Chlorobenzene	10.14	112	734892	49.025	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	274806	51.343	ug/l	98
67) Ethyl Benzene	10.25	91	1300524	50.464	ug/l	99
68) m/p-Xylenes	10.35	106	992859	100.167	ug/l	99
69) o-Xylene	10.70	106	478141	49.185	ug/l	98
70) Styrene	10.71	104	828428	50.396	ug/l	99
71) Bromoform	10.85	173	220952	51.356	ug/l #	100
73) Isopropylbenzene	11.01	105	1274321	50.955	ug/l	100
74) N-amyl acetate	10.89	43	577066	49.227	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	419205	48.350	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	342799m	44.454	ug/l	
77) Bromobenzene	11.25	156	326886	47.507	ug/l	99
78) n-propylbenzene	11.35	91	1463218	52.162	ug/l	100
79) 2-Chlorotoluene	11.42	91	855297	50.159	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1077153	51.178	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	143487	52.520	ug/l	99
82) 4-Chlorotoluene	11.51	91	991948	50.150	ug/l	99
83) tert-Butylbenzene	11.76	119	1037239	50.640	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1081260	51.299	ug/l	100
85) sec-Butylbenzene	11.94	105	1255213	51.911	ug/l	100
86) p-Isopropyltoluene	12.06	119	1154822	52.211	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	588617	48.810	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	586811	47.856	ug/l	100
89) n-Butylbenzene	12.39	91	1007020	53.358	ug/l	99
90) Hexachloroethane	12.59	117	203845	51.309	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	583672	48.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	85696	44.664	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	397932	50.434	ug/l	98
94) Hexachlorobutadiene	13.78	225	192573	50.784	ug/l	97
95) Naphthalene	13.83	128	1170572	50.495	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	398049	51.105	ug/l	99

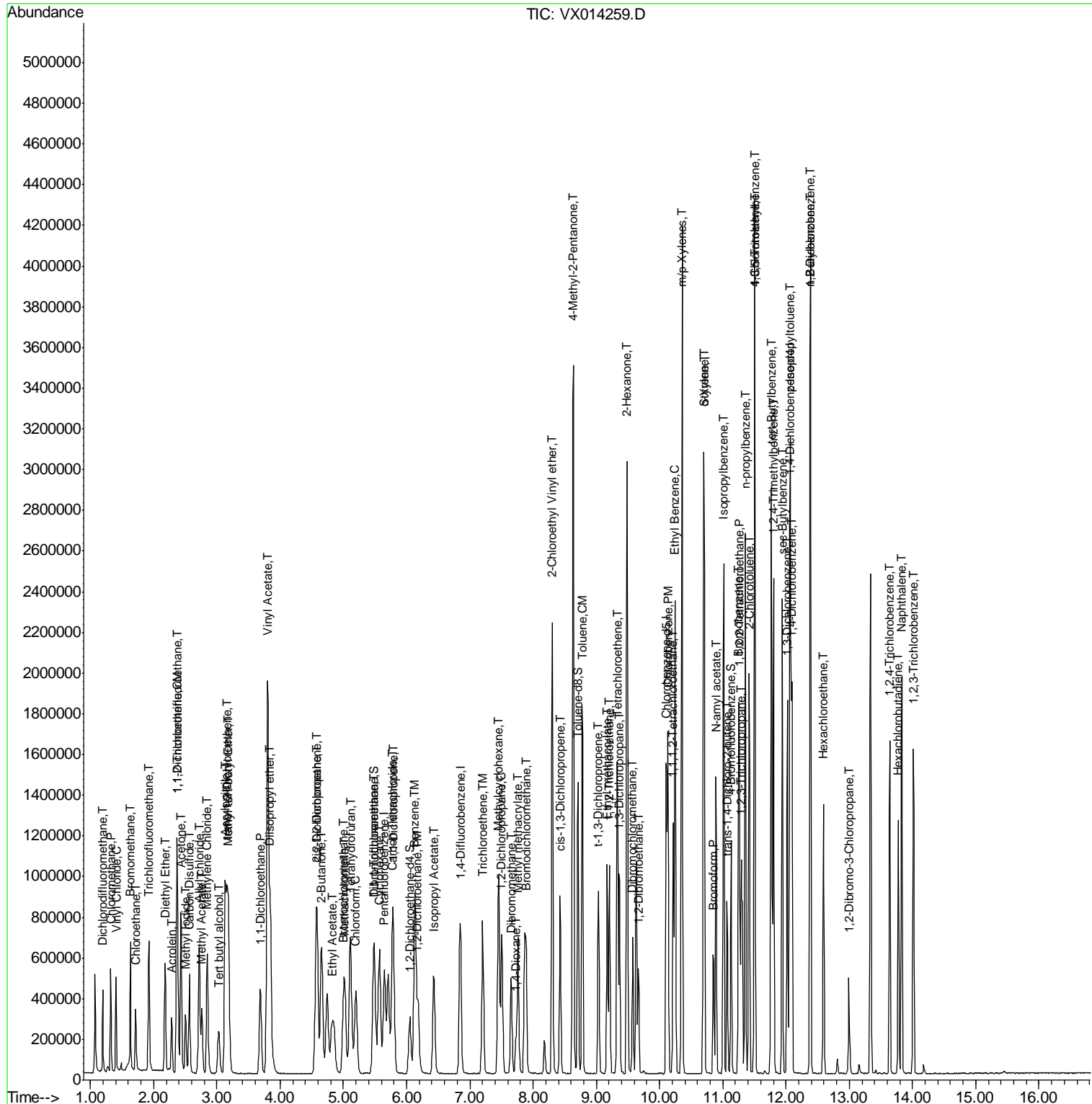
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

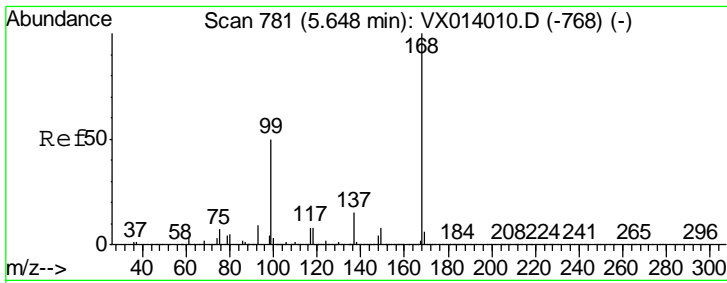
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDCCC050

Manual Integrations
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Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



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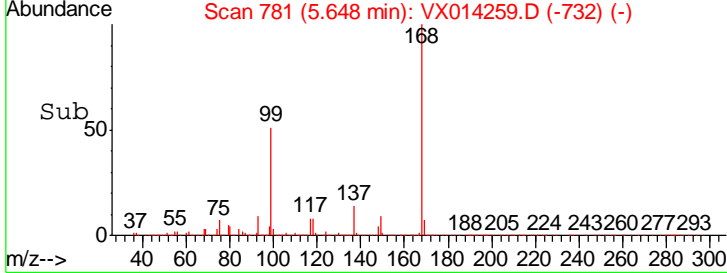
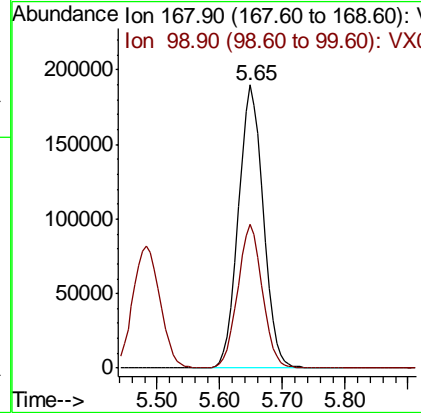
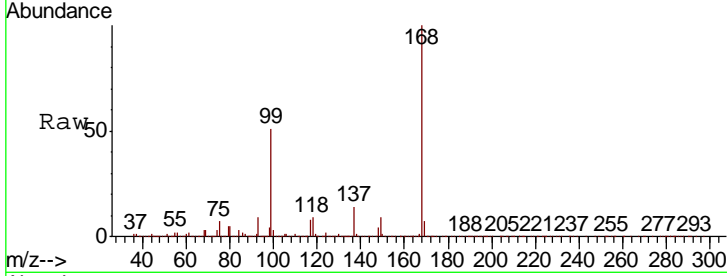


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
168	521803		
99	50.9	40.3	60.5

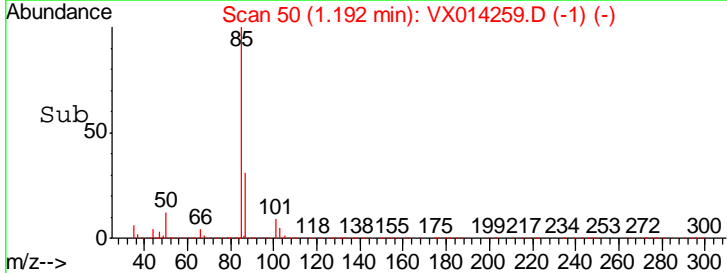
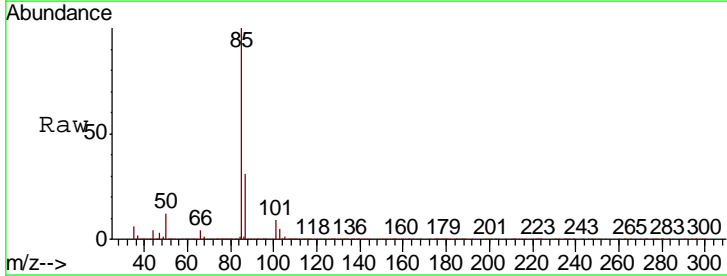
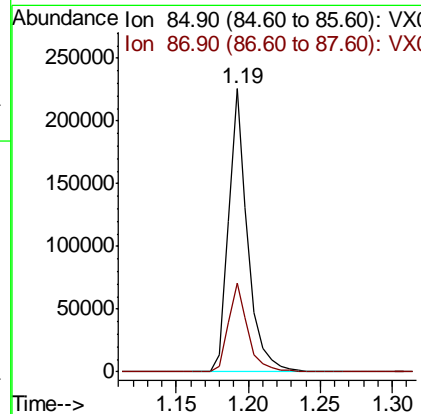
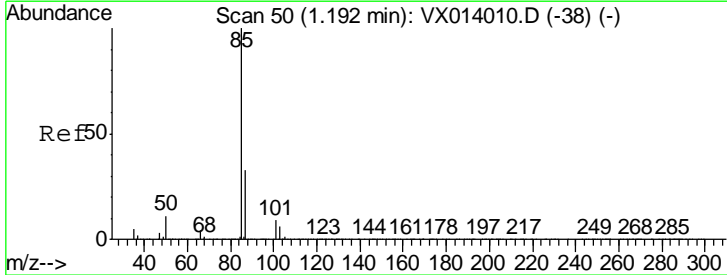
Instrument : MSVOA_X
 Client Sampled : VSTDC050

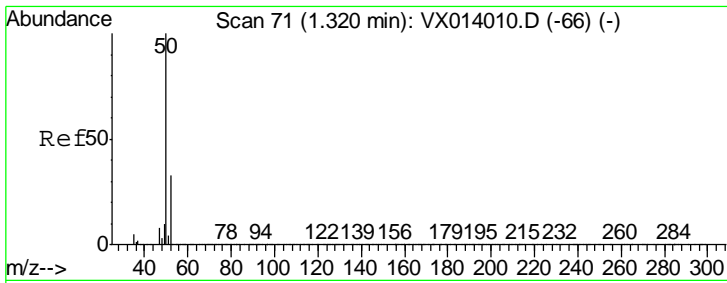
Manual Integrations APPROVED
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#2
 Dichlorodifluoromethane
 Concen: 44.989 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
85	210019		
87	31.2	16.4	49.2



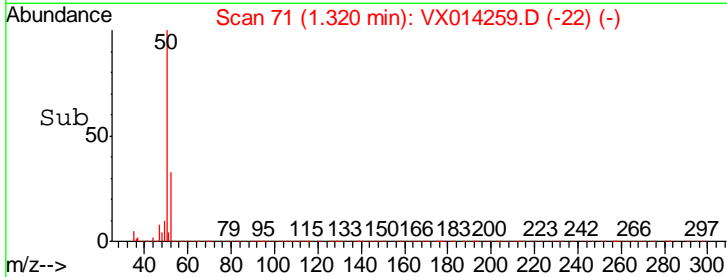
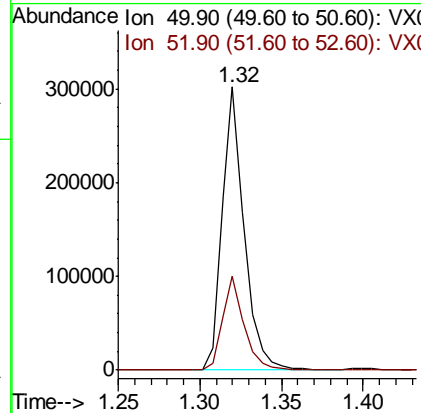
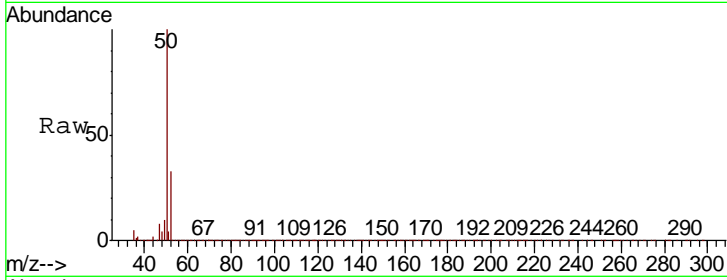


#3
 Chloromethane
 Concen: 45.355 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.3	26.2	39.4

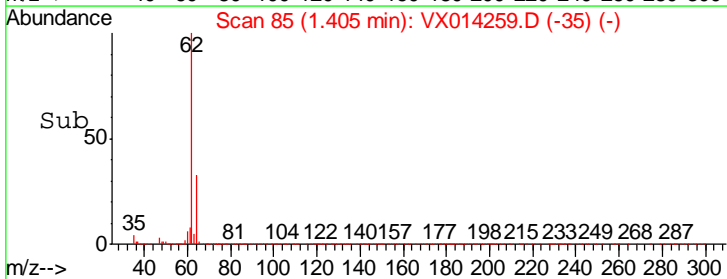
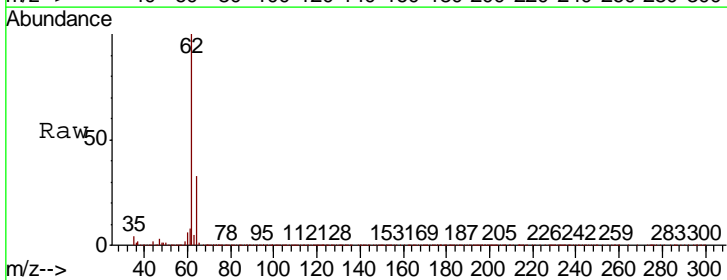
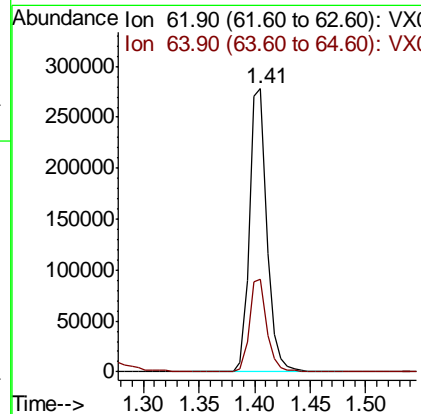
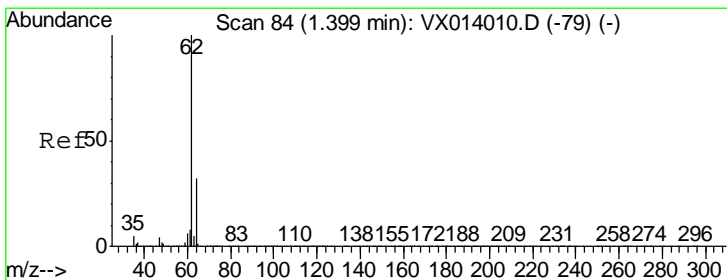
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

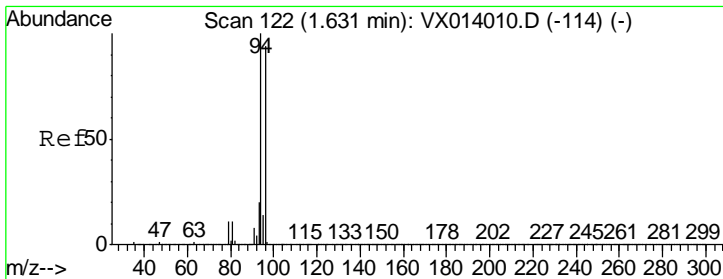
Manual Integrations
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#4
 Vinyl Chloride
 Concen: 45.823 ug/l
 RT: 1.41 min Scan# 85
 Delta R.T. 0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.6	25.7	38.5



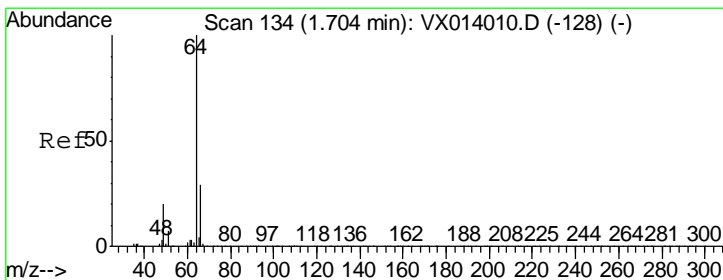
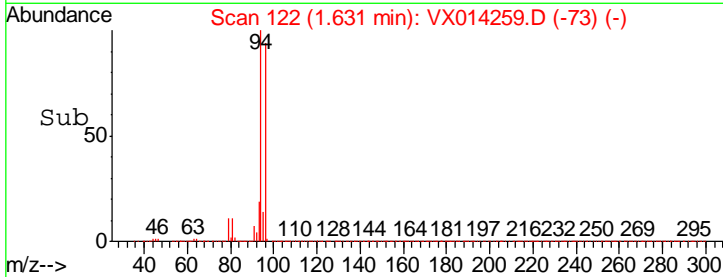
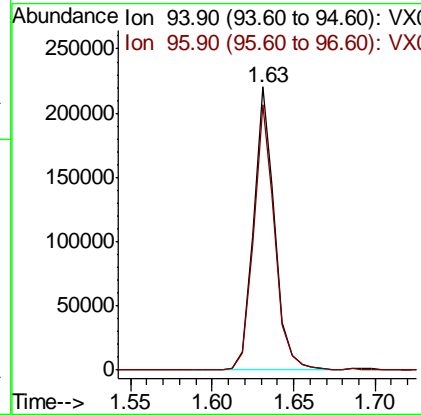
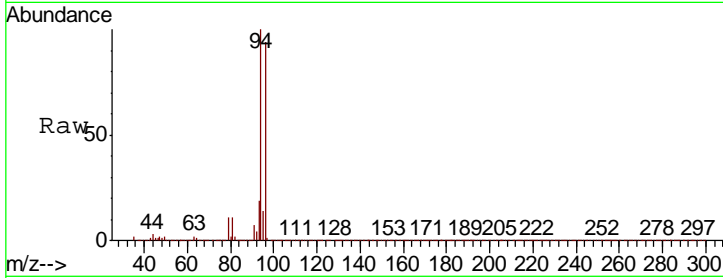


#5
 Bromomethane
 Concen: 42.129 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.6	75.2	112.8

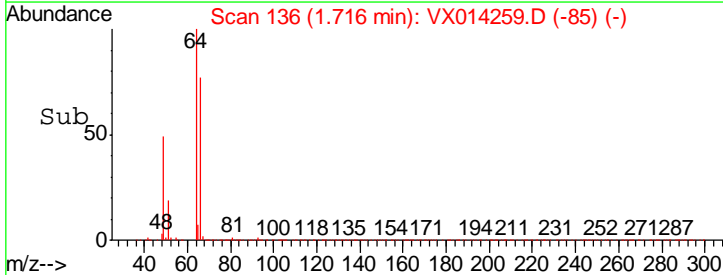
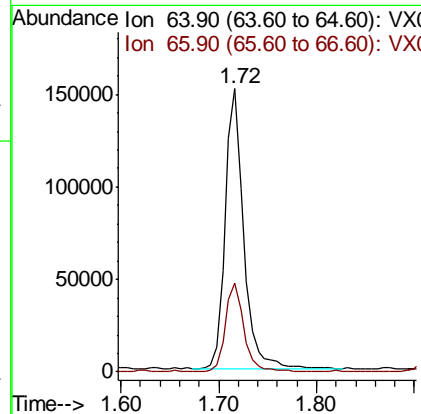
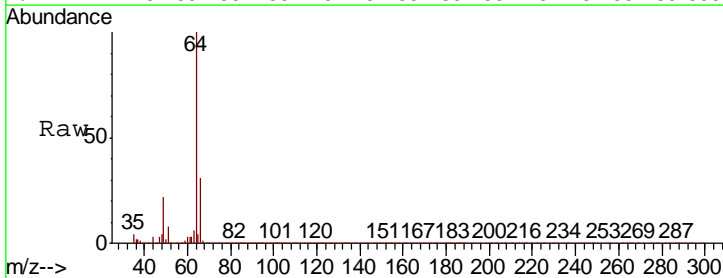
Instrument : MSVOA_X
 Client Sampled : VSTDC050

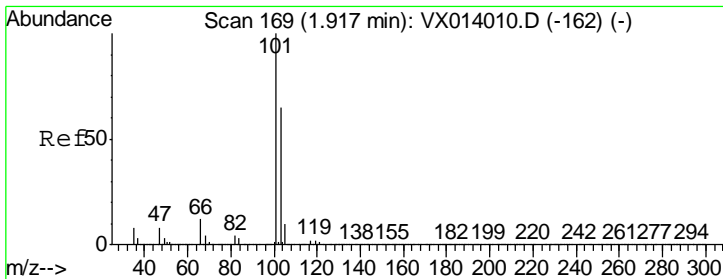
Manual Integrations APPROVED
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 12/27/2019 12:03:02 PM



#6
 Chloroethane
 Concen: 48.138 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.4	23.4	35.2



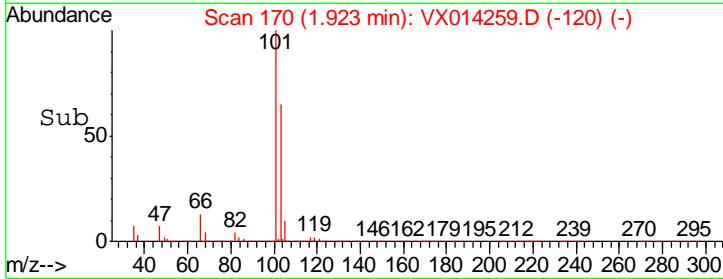
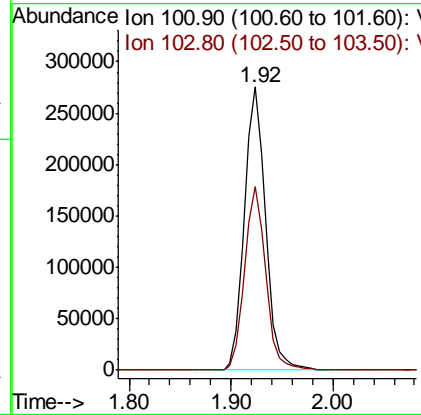
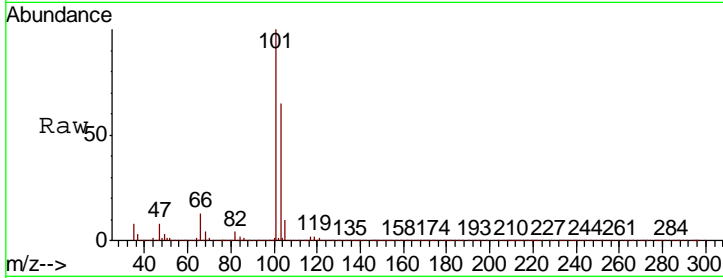


#7
 Trichlorofluoromethane
 Concen: 48.156 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

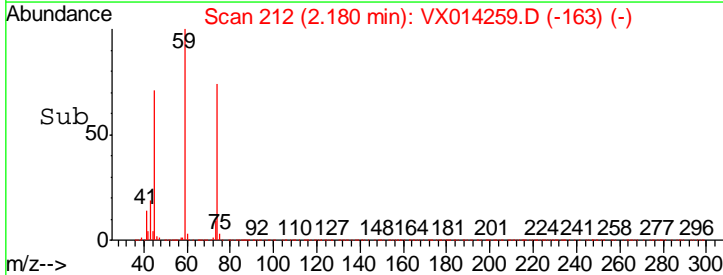
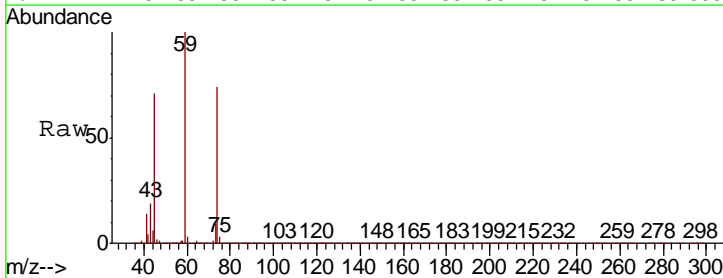
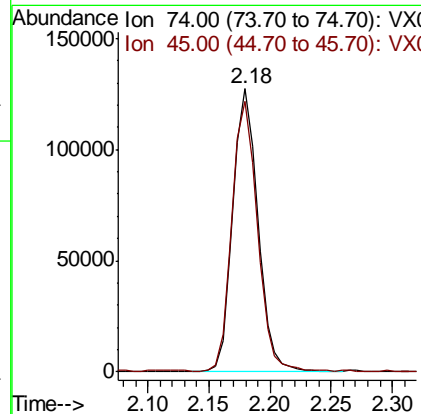
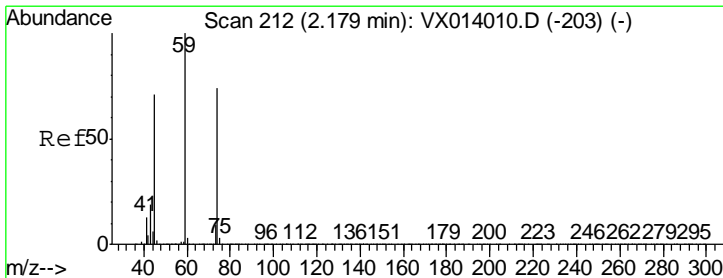
Tgt Ion	Resp	Lower	Upper
101	394071		
103	64.7	52.2	78.4

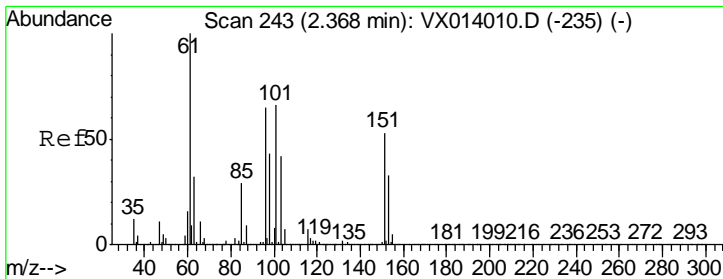
Manual Integrations
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#8
 Diethyl Ether
 Concen: 47.011 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
74	180546		
45	96.4	48.1	144.3





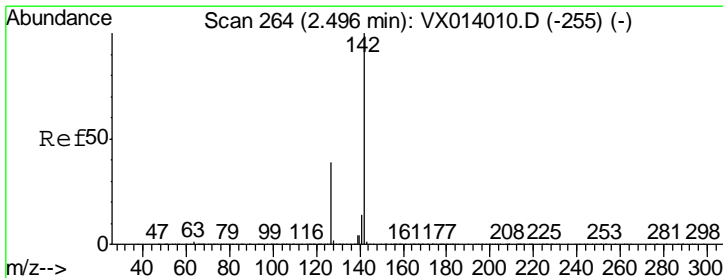
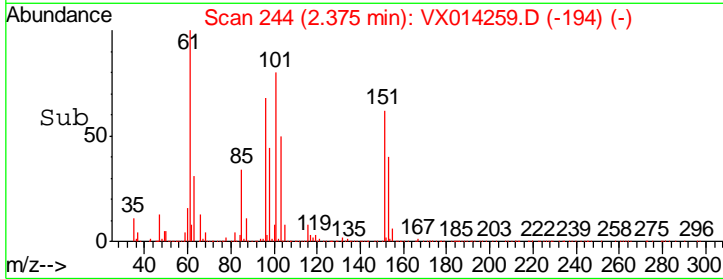
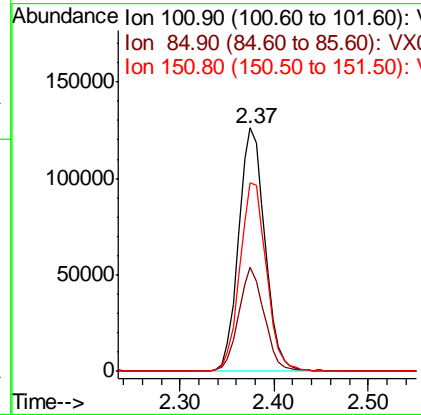
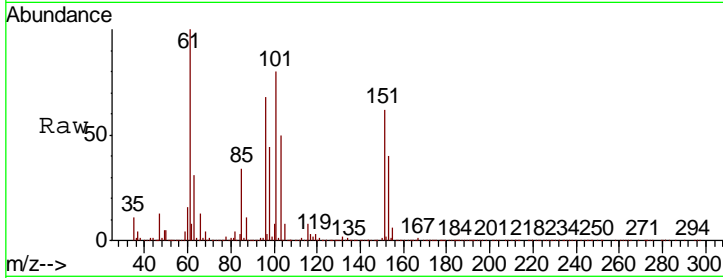
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.529 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
101	244319		
101	100		
85	42.1	33.7	50.5
151	79.0	64.5	96.7

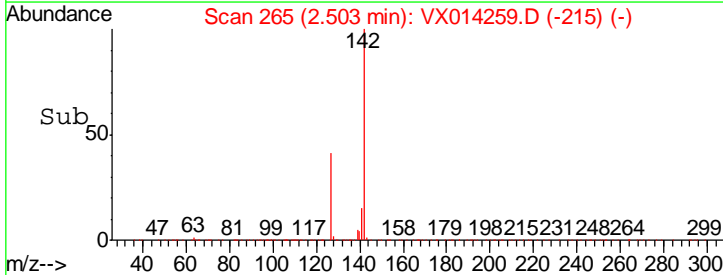
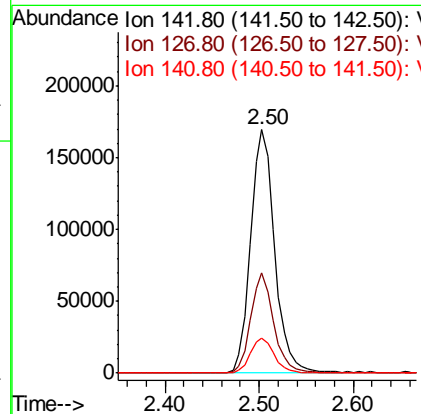
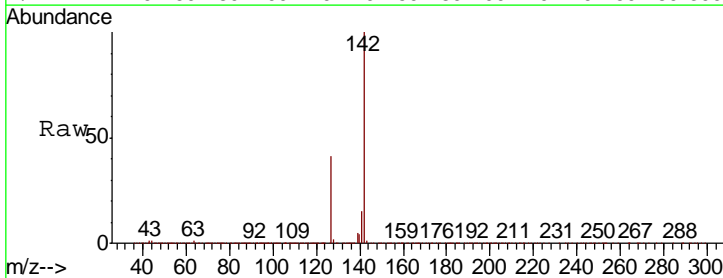
Manual Integrations
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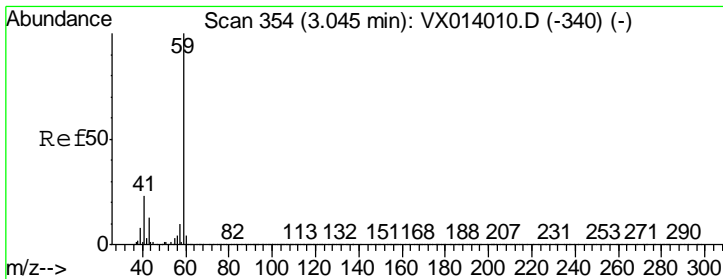
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#10
 Methyl Iodide
 Concen: 46.759 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
142	303008		
142	100		
127	39.2	31.6	47.4
141	14.3	11.6	17.4



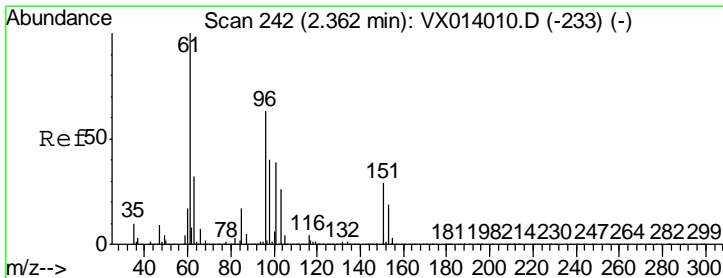
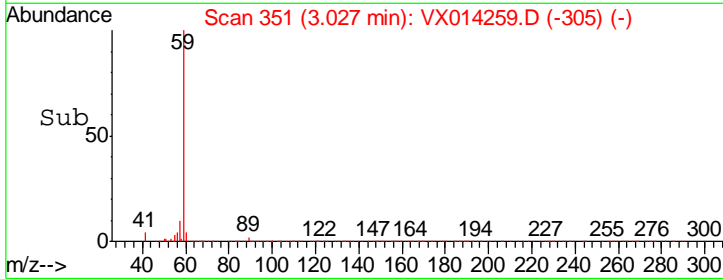
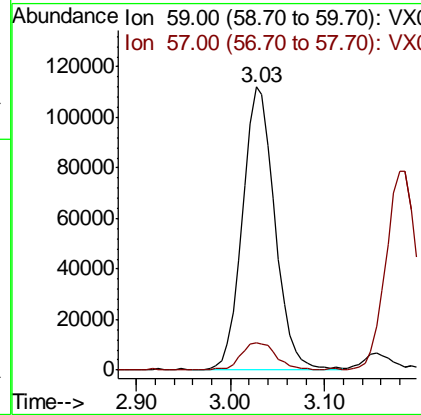
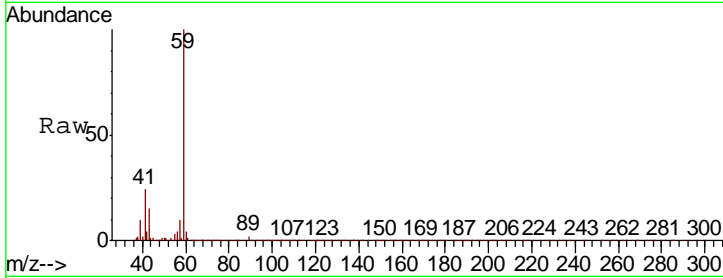


#11
 Tert butyl alcohol
 Concen: 210.663 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.9	8.4	12.6

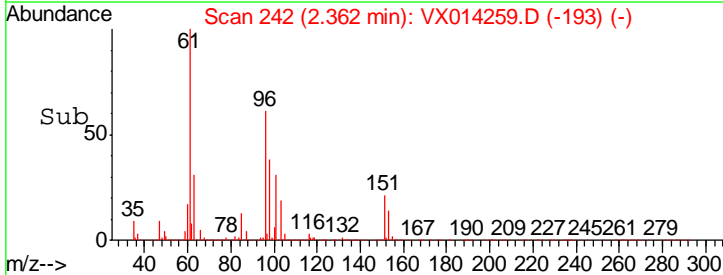
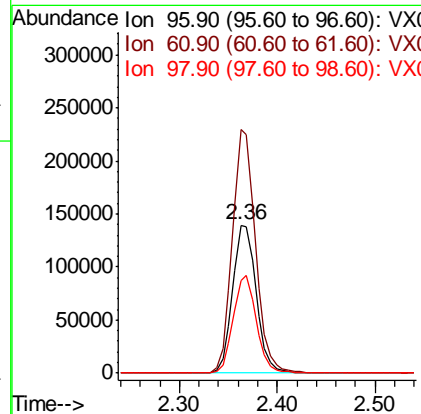
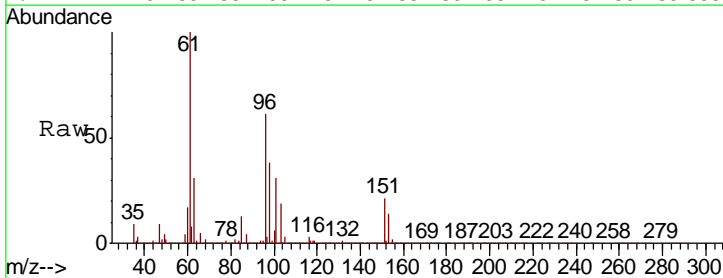
Instrument : MSVOA_X
 ClientSampled : VSTDC050

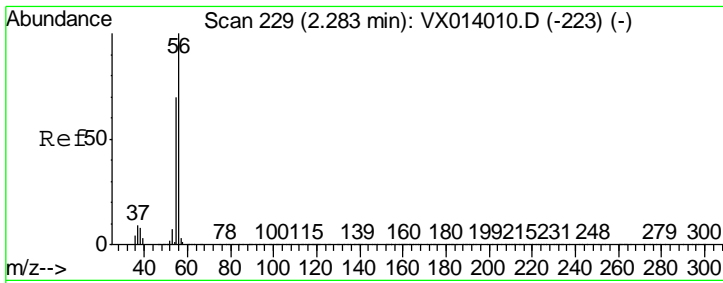
Manual Integrations APPROVED
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#12
 1,1-Dichloroethene
 Concen: 46.676 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
96	100		
61	164.6	127.9	191.9
98	62.9	50.5	75.7



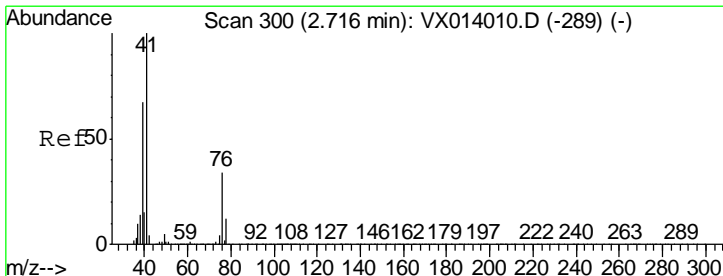
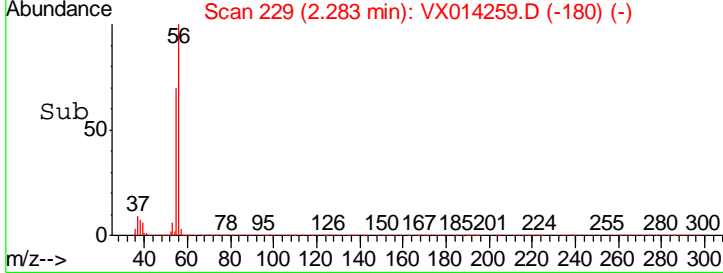
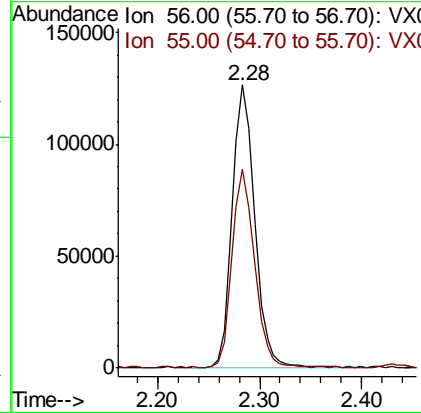
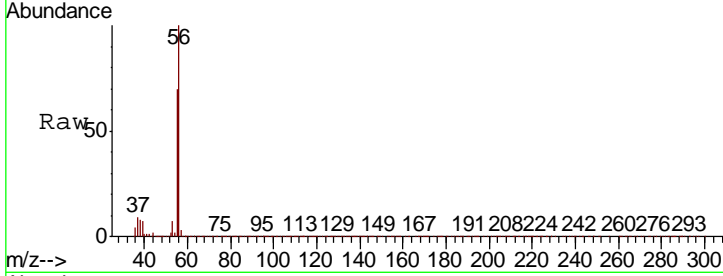


#13
 Acrolein
 Concen: 262.503 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
56	192018		
55	69.8	56.9	85.3

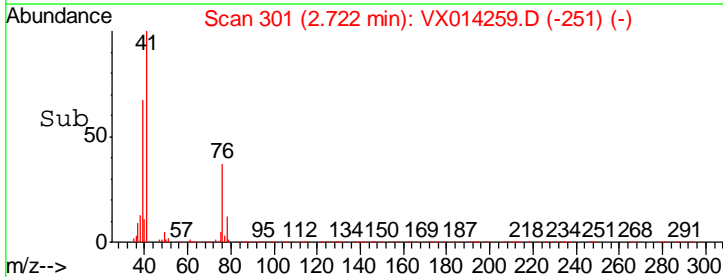
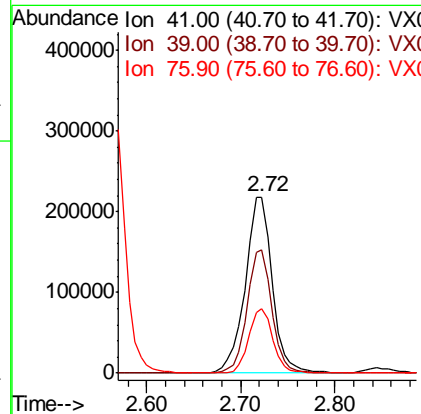
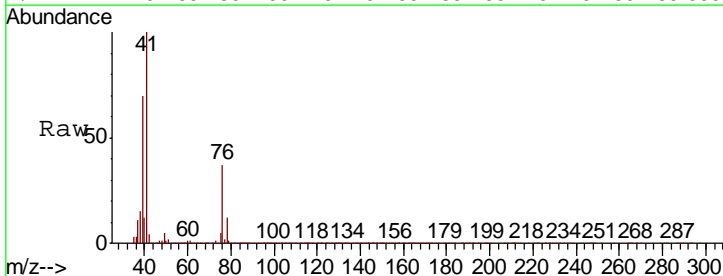
Instrument : MSVOA_X
 Client Sampled : VSTDC050

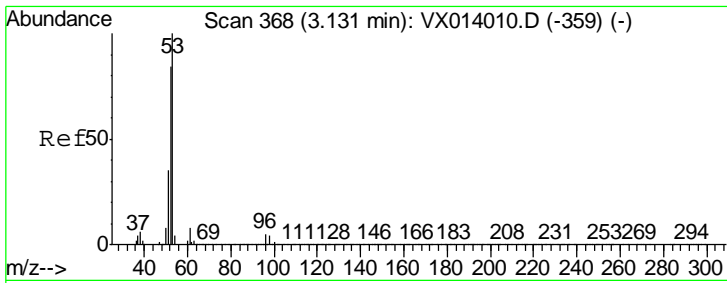
Manual Integrations APPROVED
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#14
 Allyl chloride
 Concen: 48.908 ug/l
 RT: 2.72 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
41	438317		
39	64.0	51.8	77.8
76	32.5	25.9	38.9



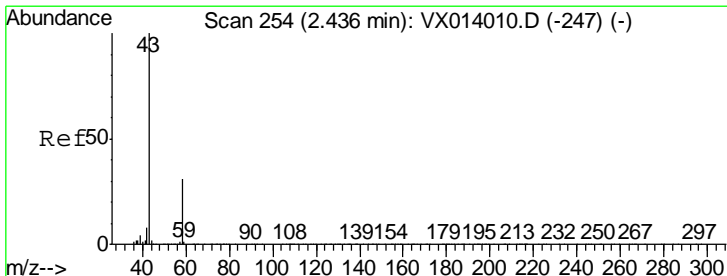
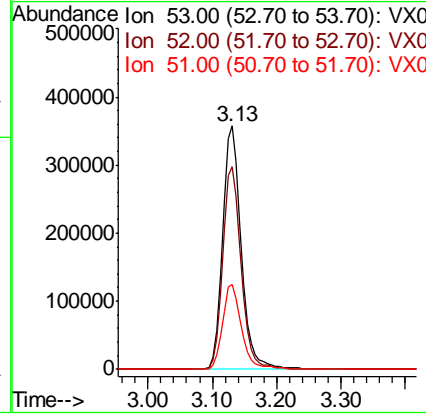
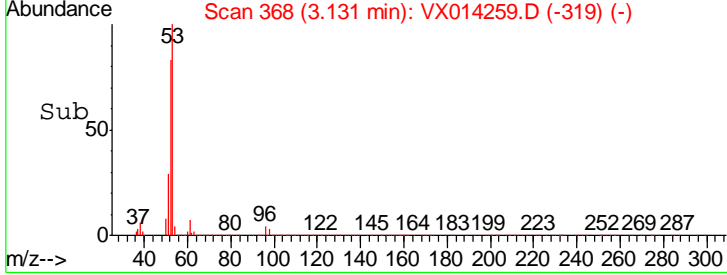
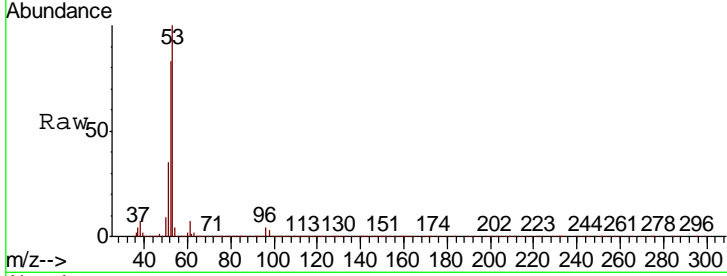


#15
 Acrylonitrile
 Concen: 243.663 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	35.5	28.1	42.1

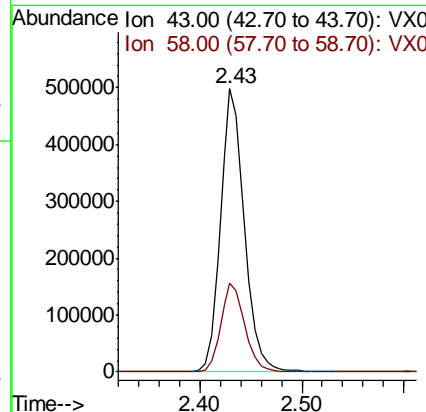
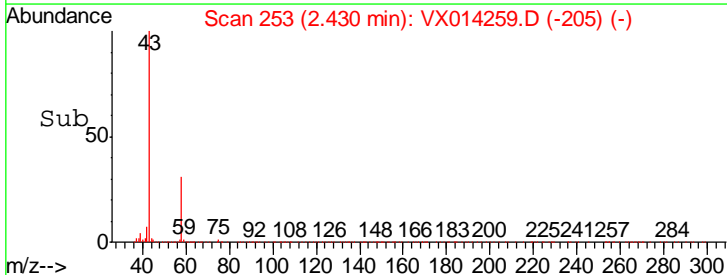
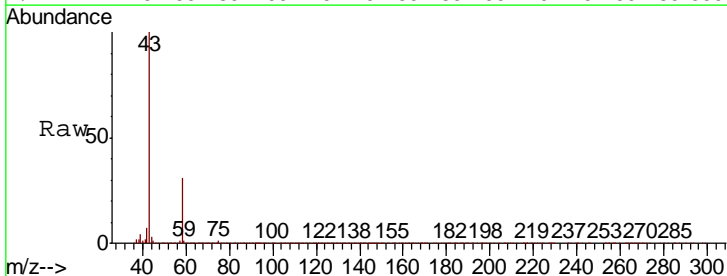
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

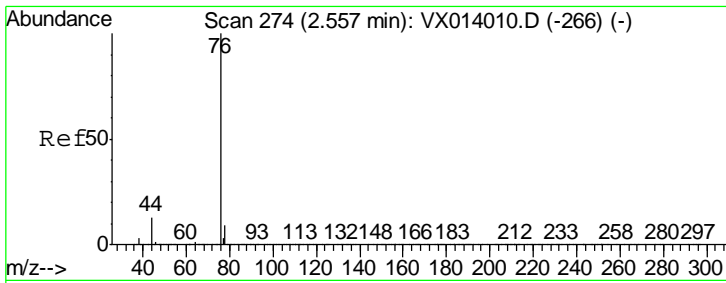
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#16
 Acetone
 Concen: 210.531 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.5	24.9	37.3



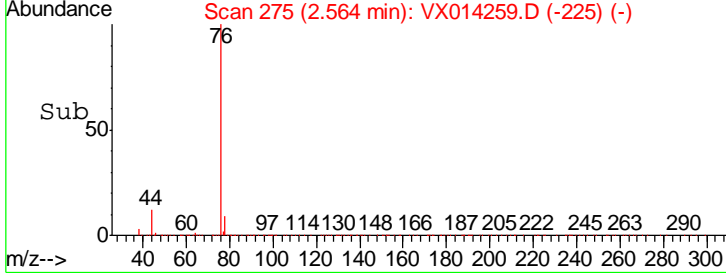
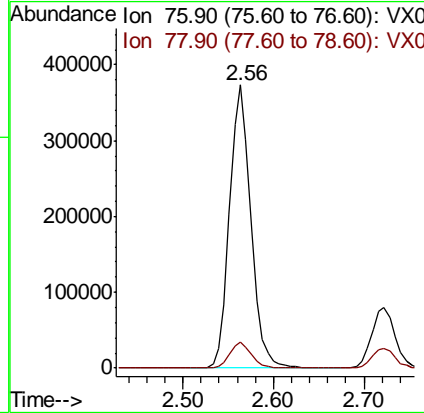
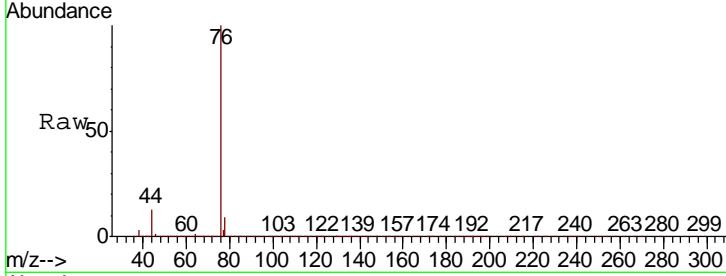


#17
 Carbon Disulfide
 Concen: 43.833 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
76	609486		
76	100		
78	9.2	7.2	10.8

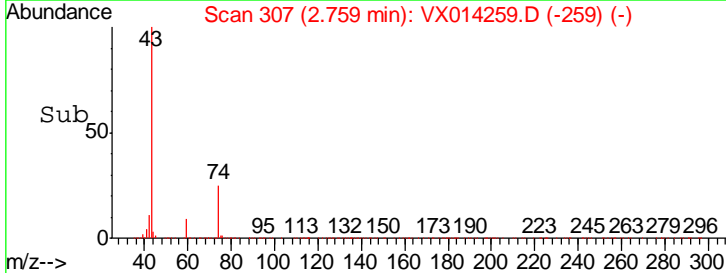
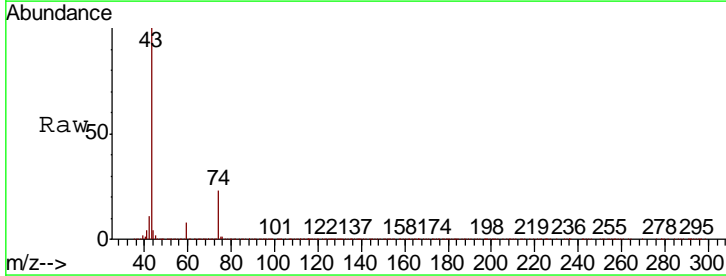
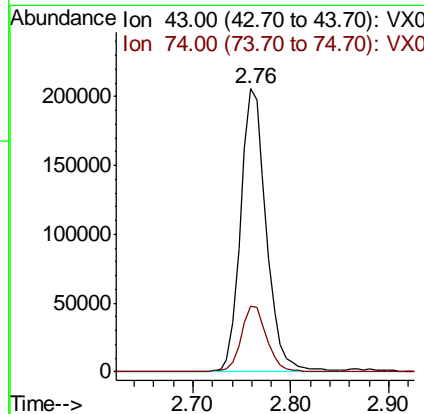
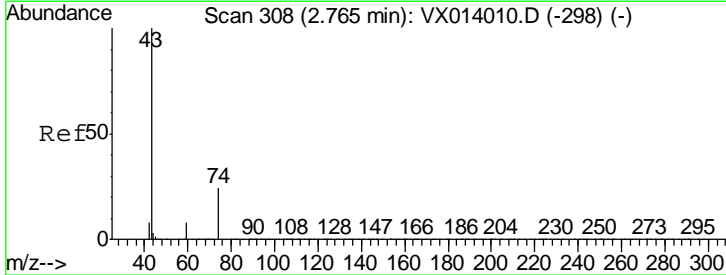
Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

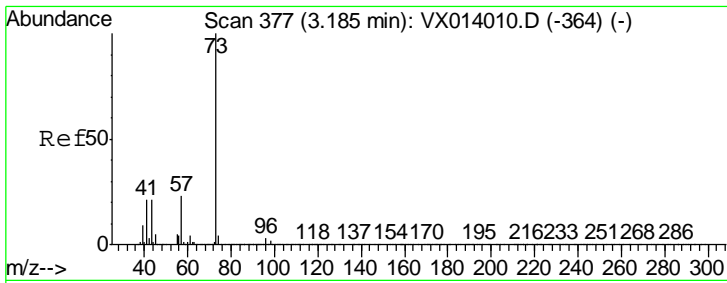
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#18
 Methyl Acetate
 Concen: 48.835 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
43	371535		
43	100		
74	23.9	19.5	29.3



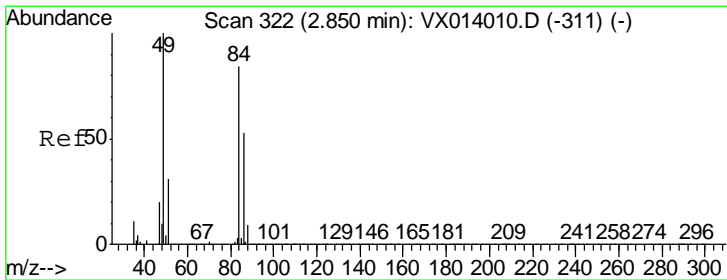
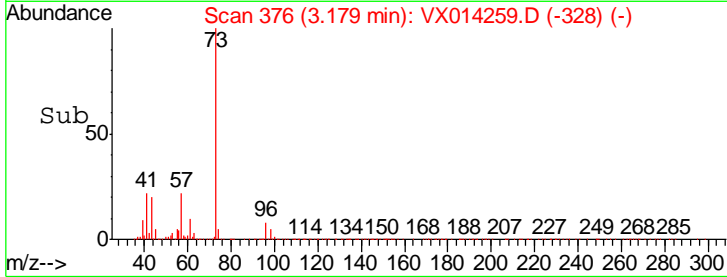
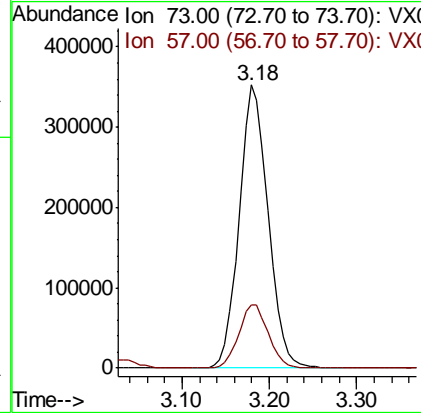
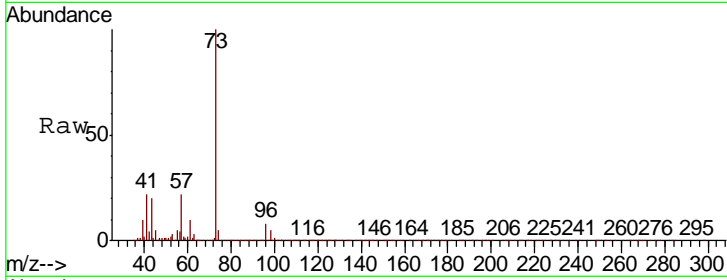


#19
Methyl tert-butyl Ether
Concen: 49.088 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014259.D
Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.2	18.8	28.2

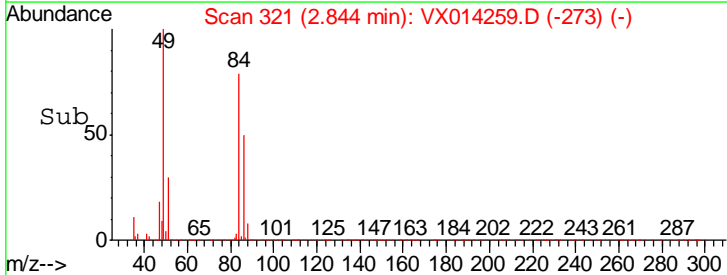
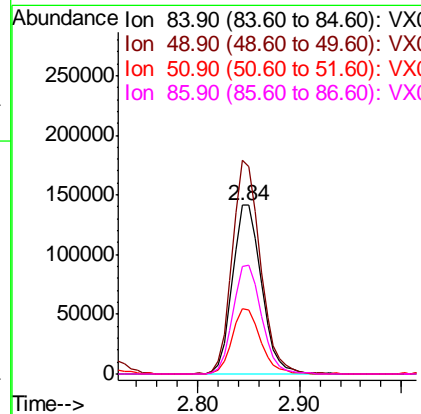
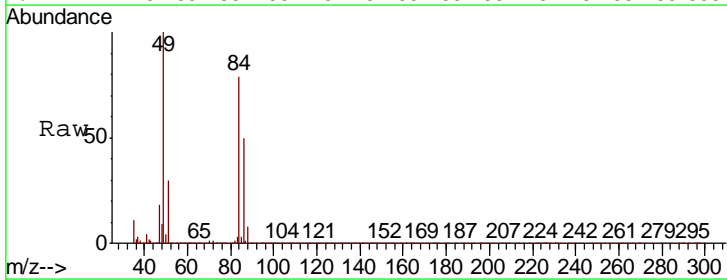
Instrument : MSVOA_X
Client Sampled : VSTDCCC050

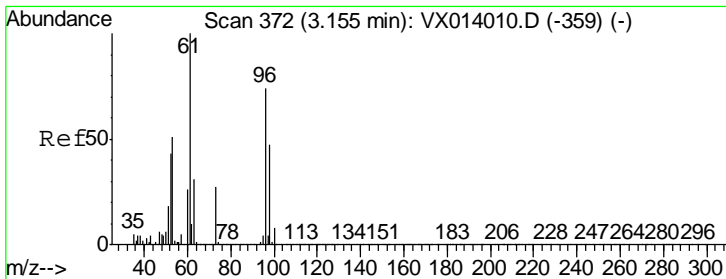
Manual Integrations APPROVED
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#20
Methylene Chloride
Concen: 45.794 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014259.D
Acq: 26 Dec 2019 10:46

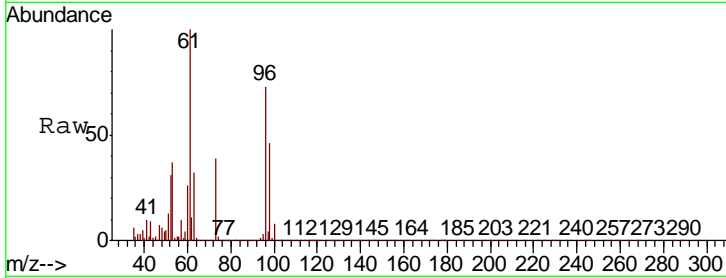
Tgt Ion	Resp	Lower	Upper
84	100		
49	126.6	95.8	143.6
51	38.4	29.8	44.8
86	63.7	50.8	76.2





#21
 trans-1,2-Dichloroethene
 Concen: 46.333 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

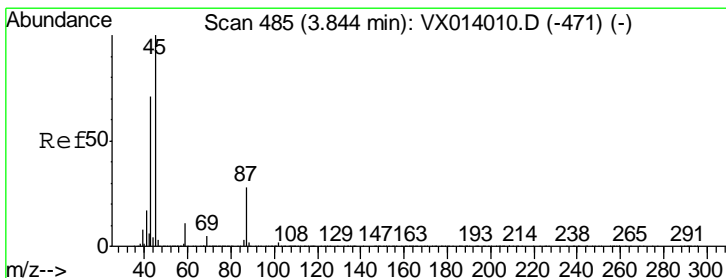
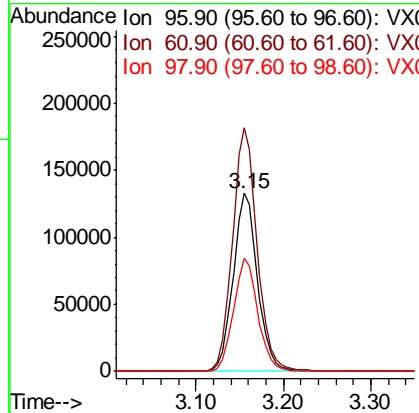
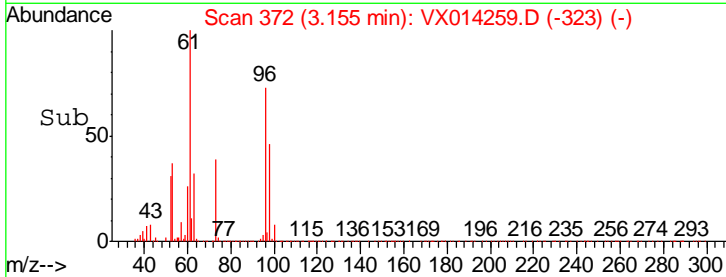
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050



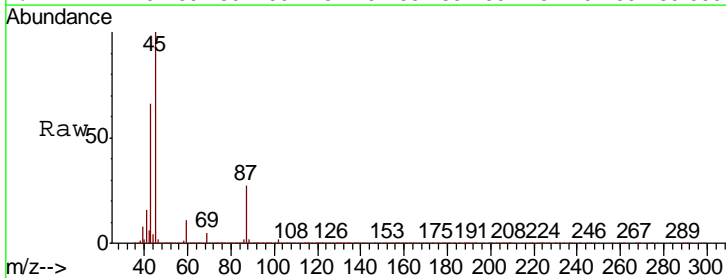
Tgt Ion: 96 Resp: 256214

Ion	Ratio	Lower	Upper
96	100		
61	137.0	108.3	162.5
98	63.5	50.8	76.2

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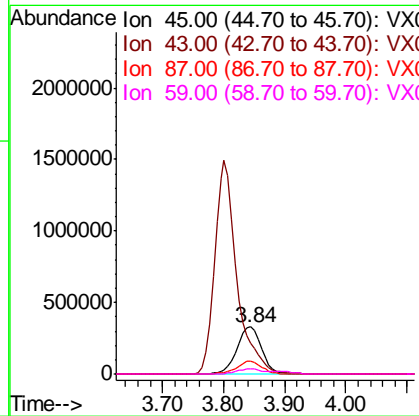
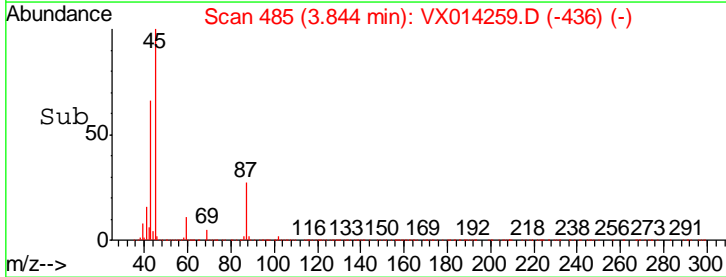


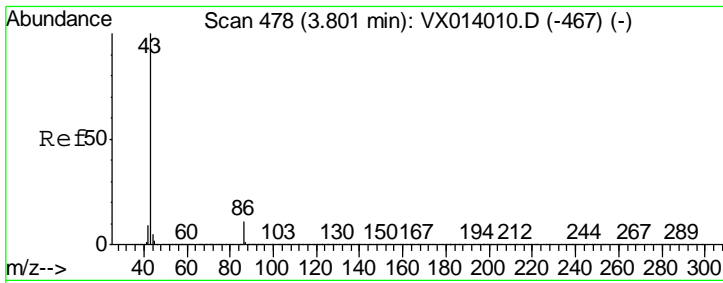
#22
 Diisopropyl ether
 Concen: 51.143 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46



Tgt Ion: 45 Resp: 913361

Ion	Ratio	Lower	Upper
45	100		
43	65.5	57.4	86.0
87	26.6	21.9	32.9
59	11.4	9.0	13.6



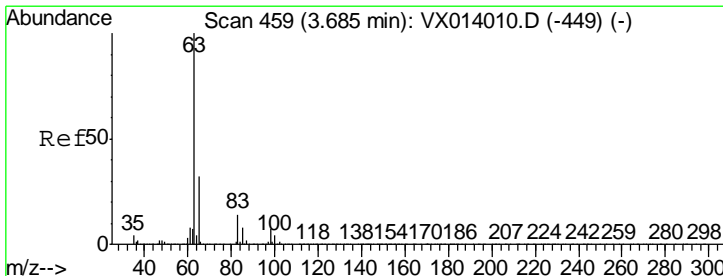
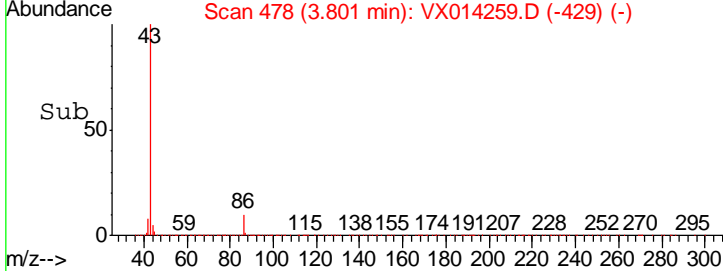
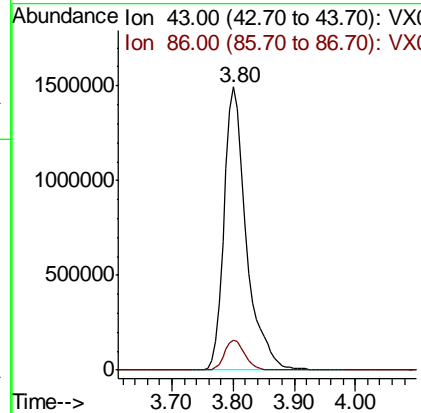
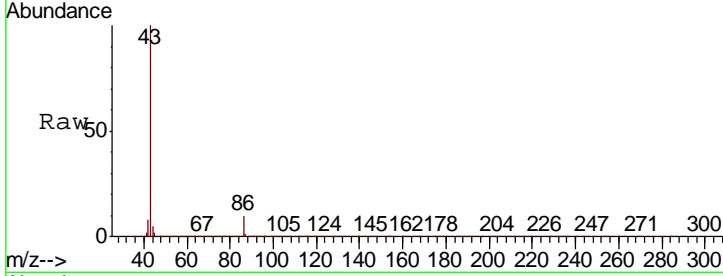


#23
 Vinyl Acetate
 Concen: 260.485 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.5	8.6	12.8

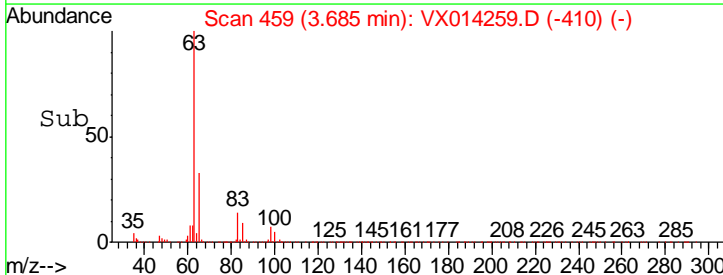
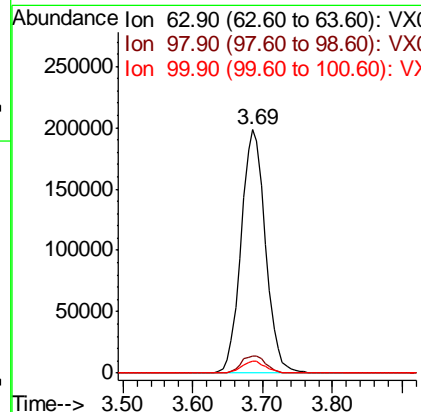
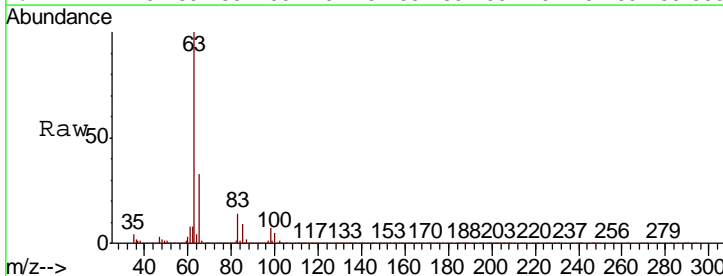
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

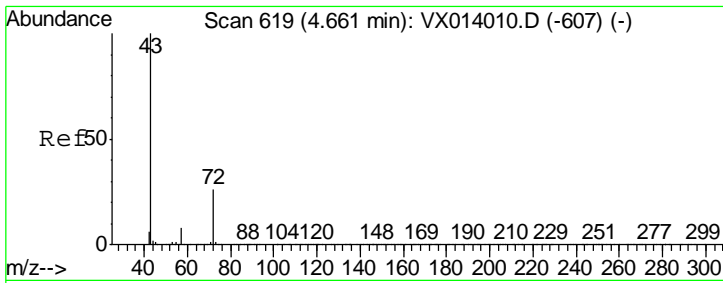
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#24
 1,1-Dichloroethane
 Concen: 48.105 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.9	2.3	6.8





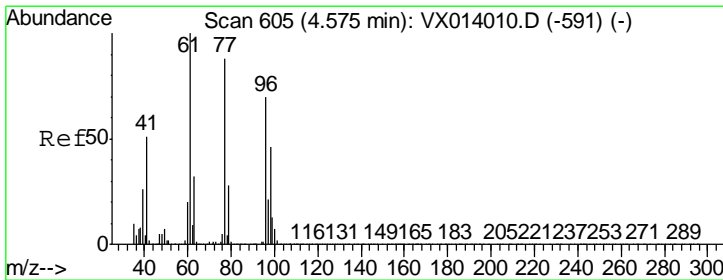
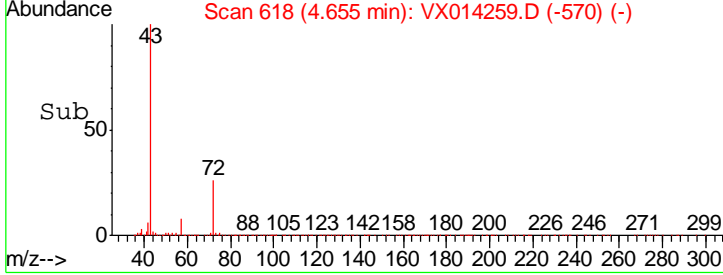
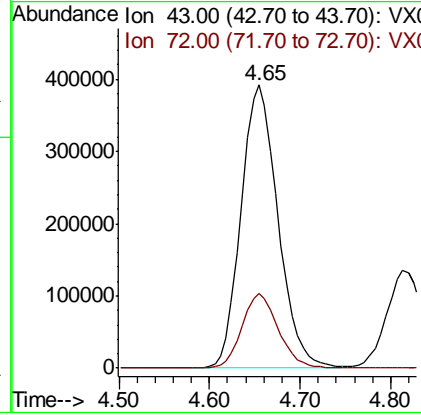
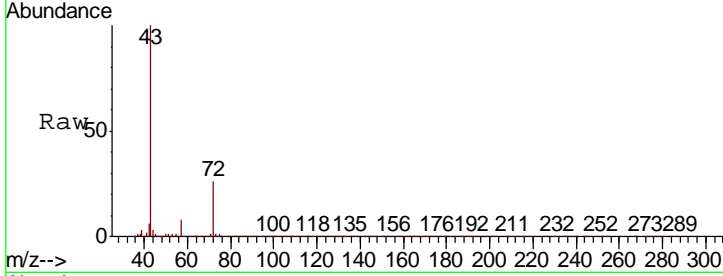
#25
 2-Butanone
 Concen: 231.299 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion: 43 Resp: 1094858

Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.0	31.4

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

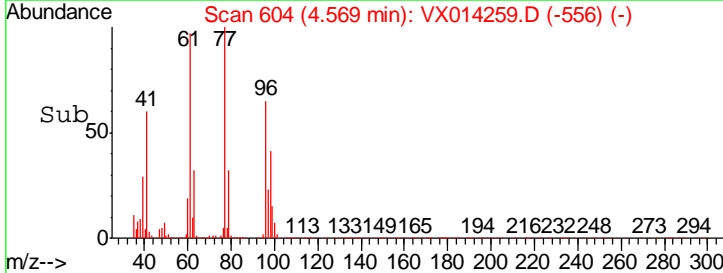
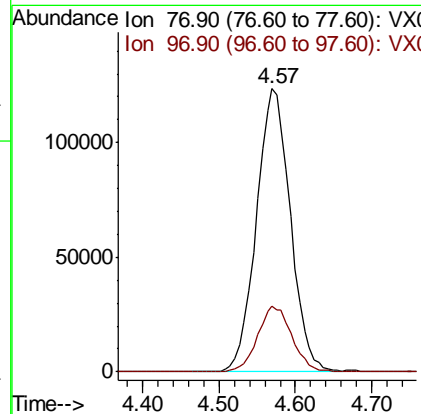
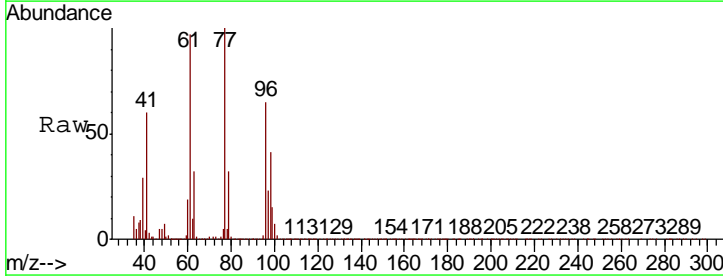
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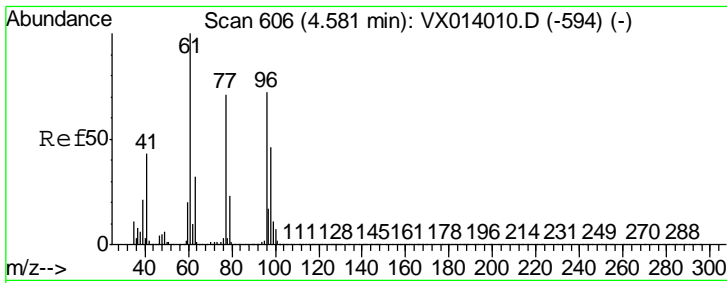


#26
 2,2-Dichloropropane
 Concen: 49.340 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion: 77 Resp: 380633

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.9	35.9





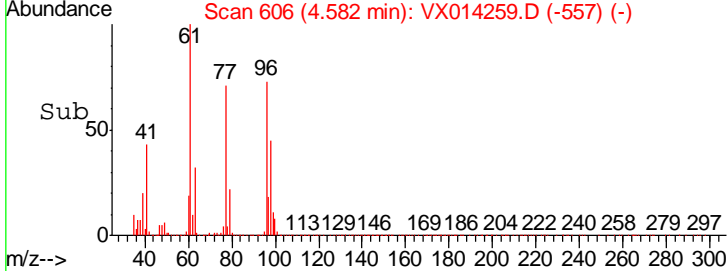
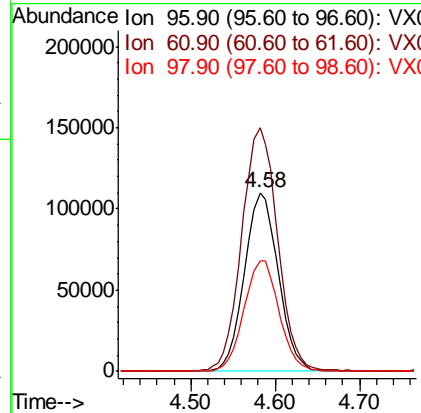
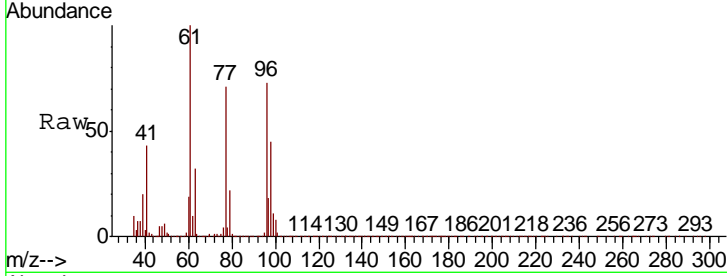
#27
 cis-1,2-Dichloroethene
 Concen: 47.774 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
96	298775		
96	100		
61	144.6	0.0	288.4
98	64.2	0.0	129.6

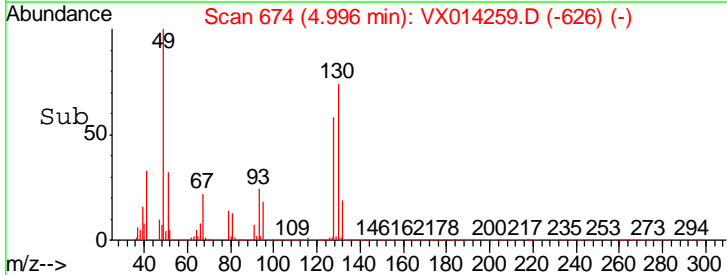
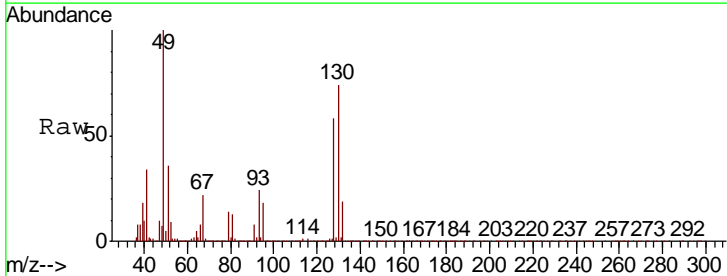
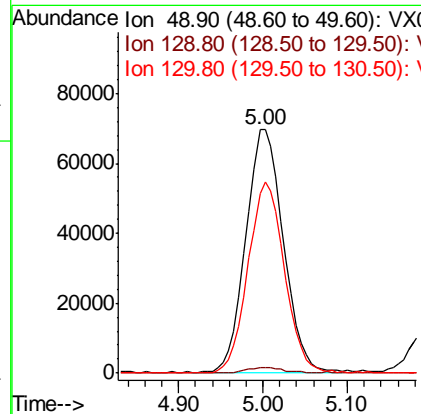
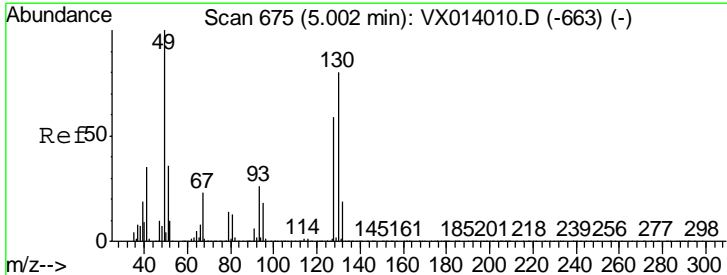
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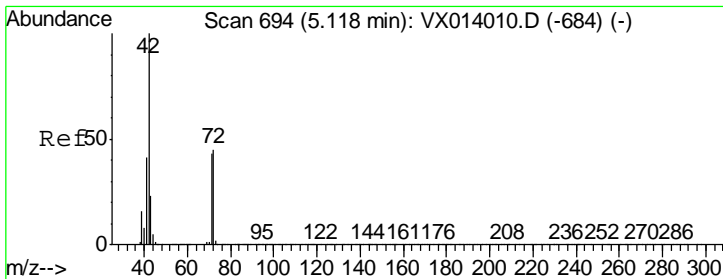
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#28
 Bromochloromethane
 Concen: 54.948 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
49	210143		
49	100		
129	2.3	0.0	5.0
130	76.3	64.6	97.0



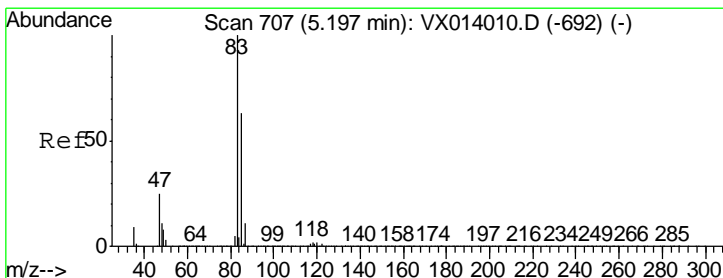
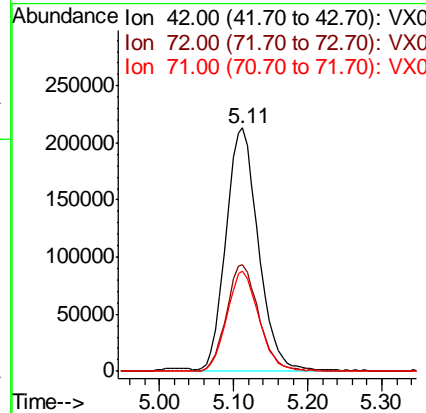
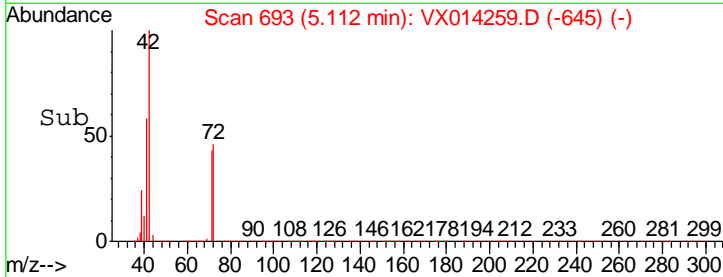
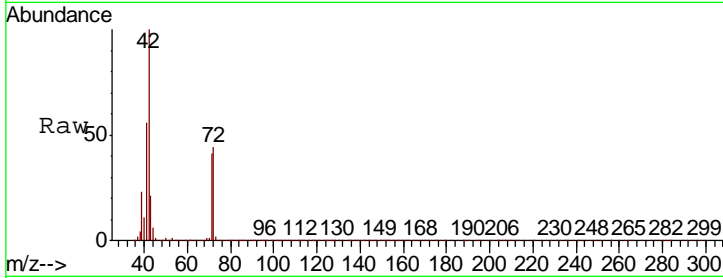


#29
 Tetrahydrofuran
 Concen: 242.455 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.2	35.8	53.8
71	40.9	33.6	50.4

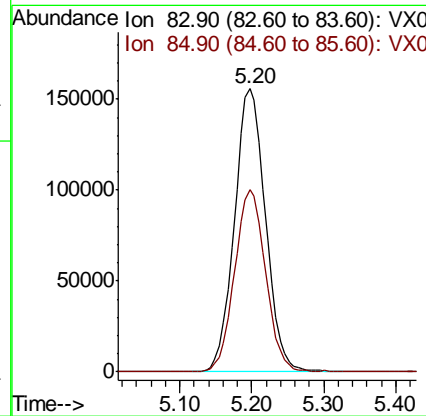
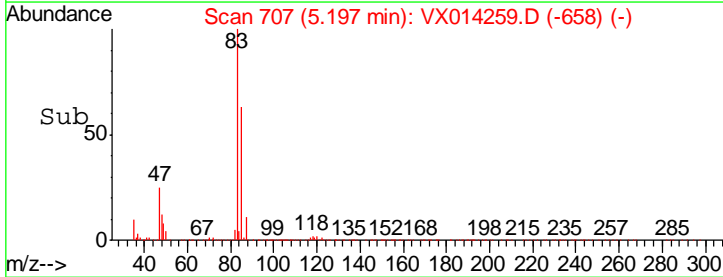
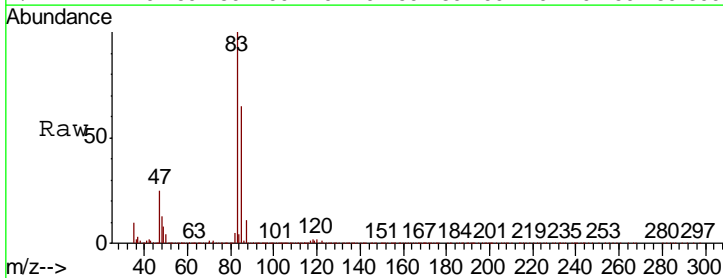
Instrument : MSVOA_X
 Client Sampled : VSTDC050

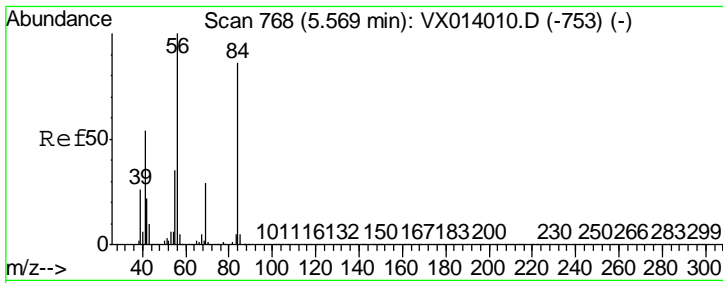
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#30
 Chloroform
 Concen: 49.363 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.6	50.8	76.2





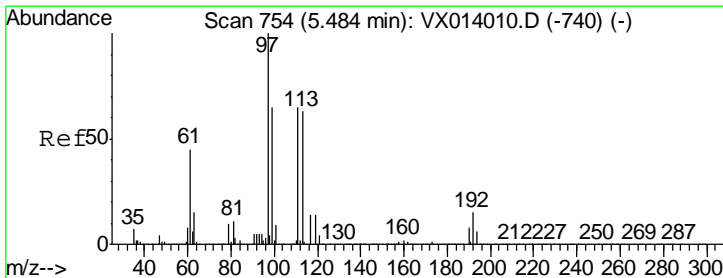
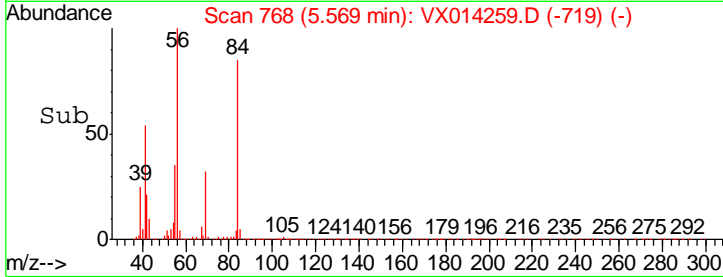
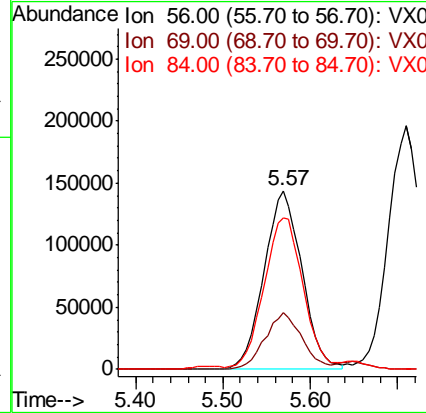
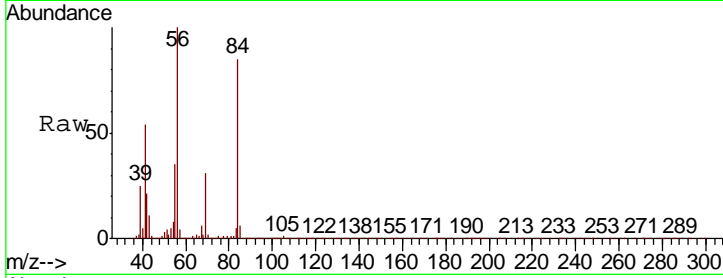
#31
 Cyclohexane
 Concen: 48.941 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.4	23.2	34.8
84	83.8	69.2	103.8

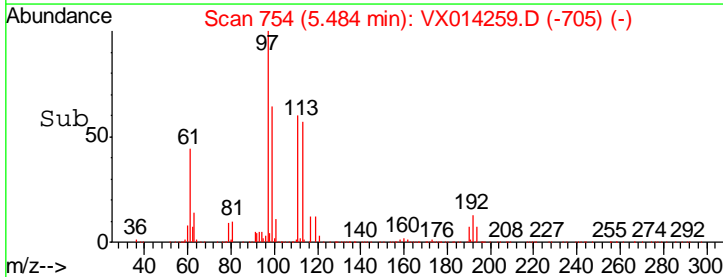
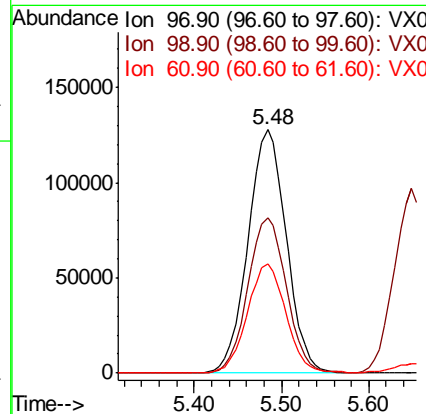
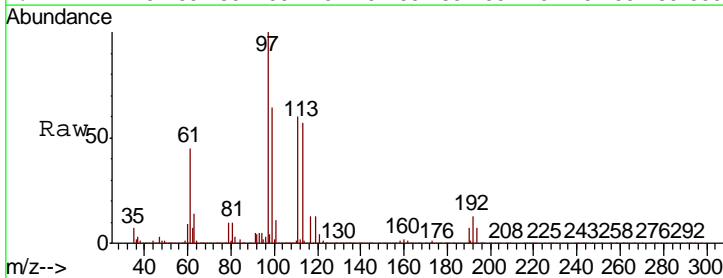
Manual Integrations
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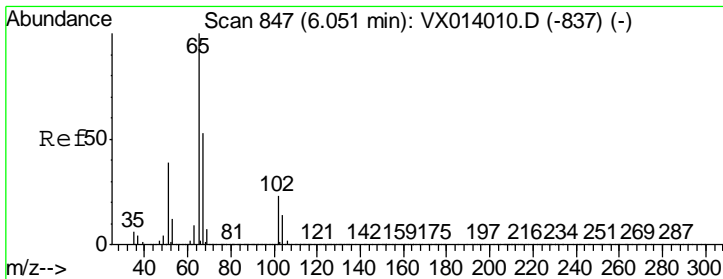
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#32
 1,1,1-Trichloroethane
 Concen: 48.348 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	45.0	36.7	55.1



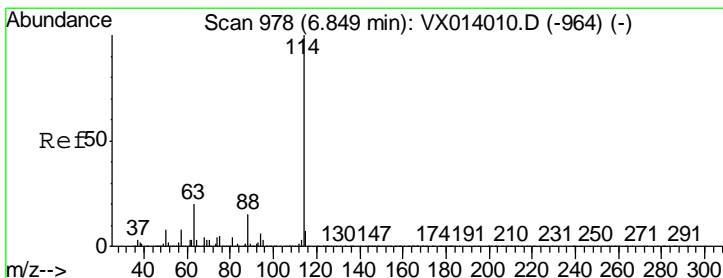
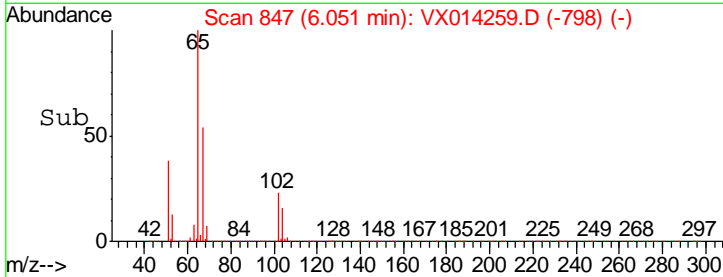
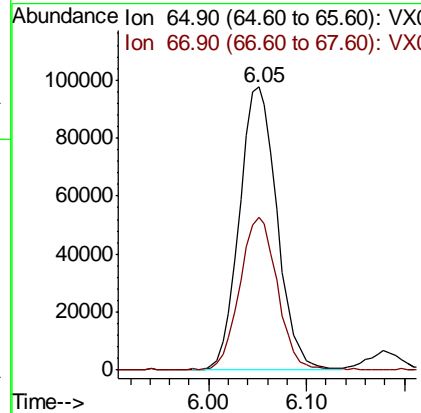
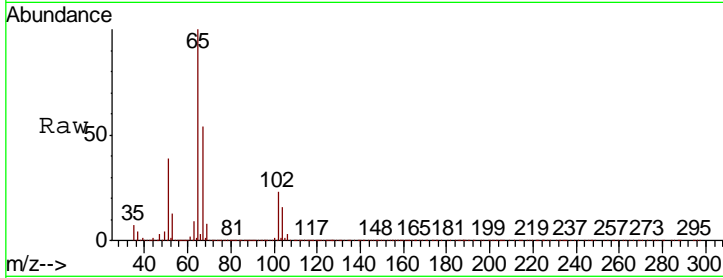


#33
 1,2-Dichloroethane-d4
 Concen: 43.809 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.9	0.0	106.4

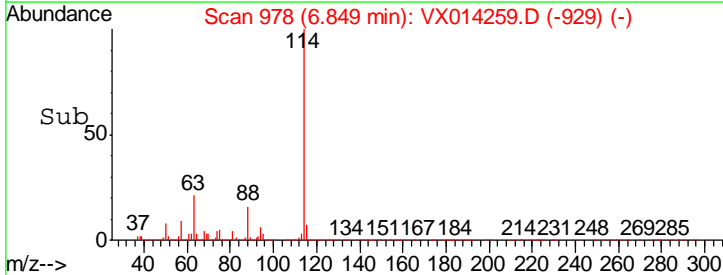
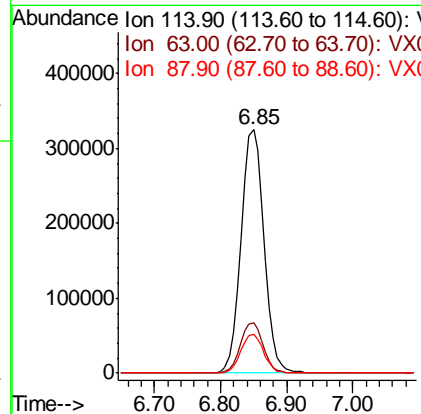
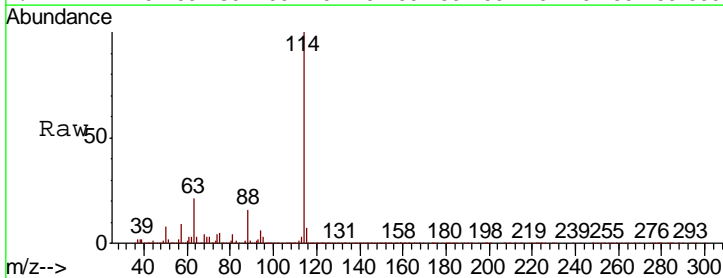
Instrument : MSVOA_X
 Client Sampled : VSTDC050

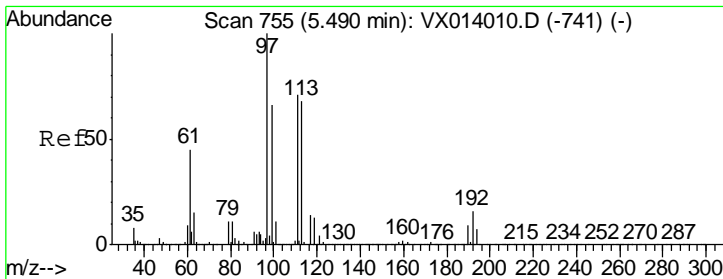
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	15.7	0.0	30.4





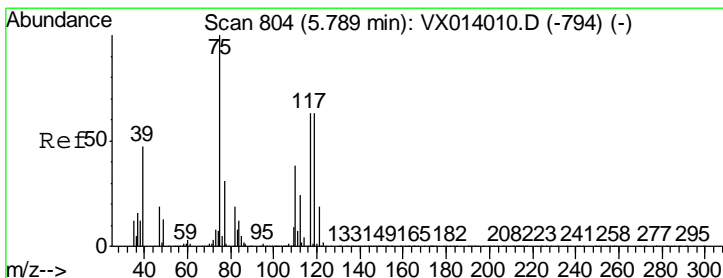
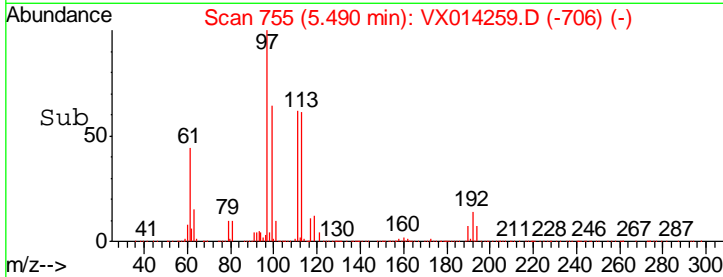
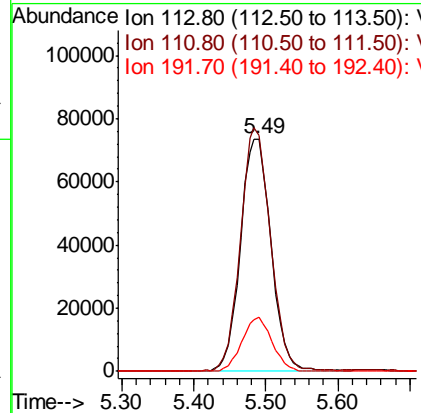
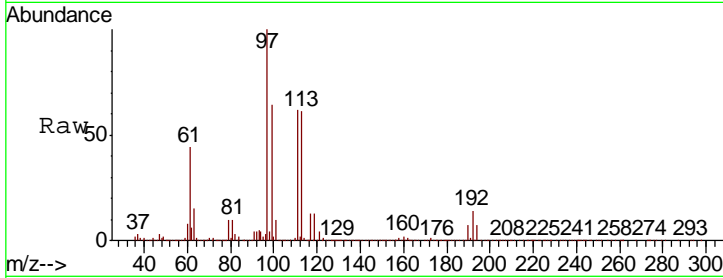
#35
 Dibromofluoromethane
 Concen: 45.537 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
113	216529		
113	100		
111	103.4	82.0	123.0
192	22.8	19.3	28.9

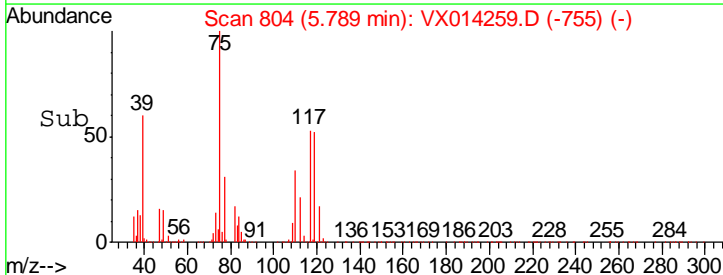
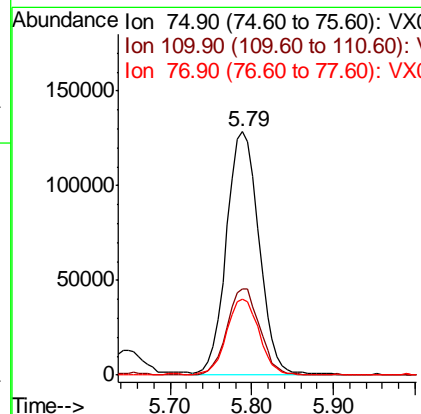
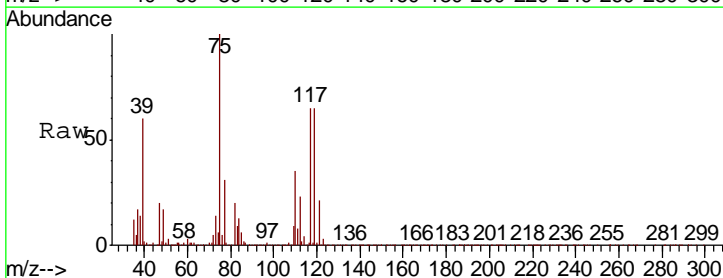
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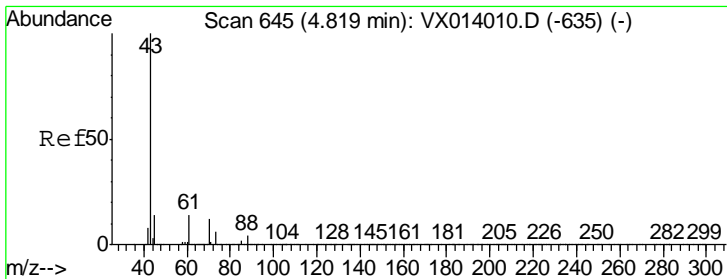
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#36
 1,1-Dichloropropene
 Concen: 49.343 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
75	354153		
75	100		
110	35.8	18.3	54.9
77	30.8	24.8	37.2





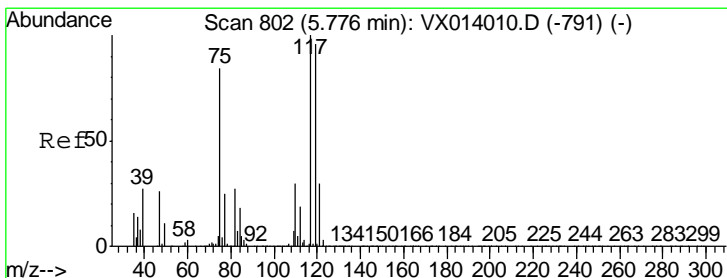
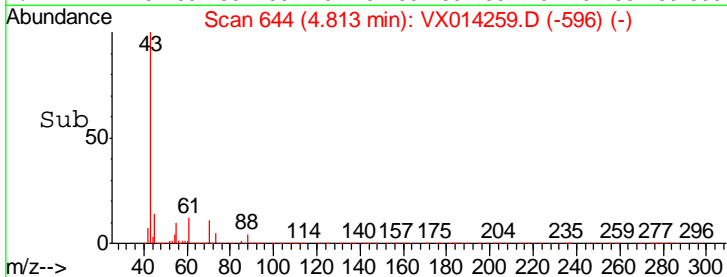
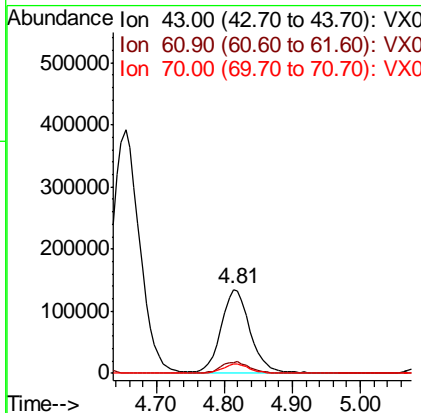
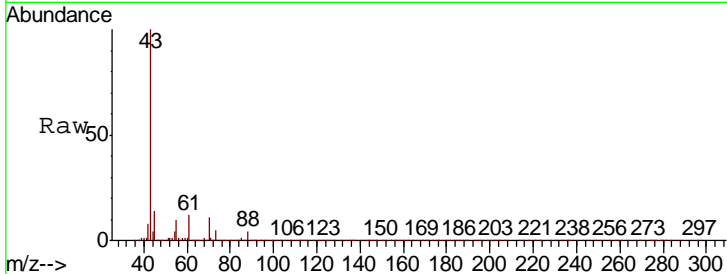
#37
Ethyl Acetate
Concen: 50.176 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014259.D
Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
43	397687		
61	13.2	10.8	16.2
70	10.2	8.6	12.8

Instrument : MSVOA_X
ClientSampled : VSTDCCC050

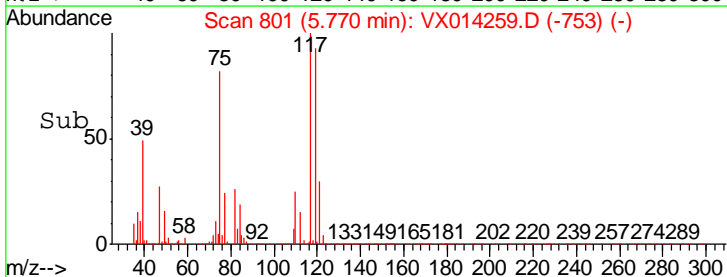
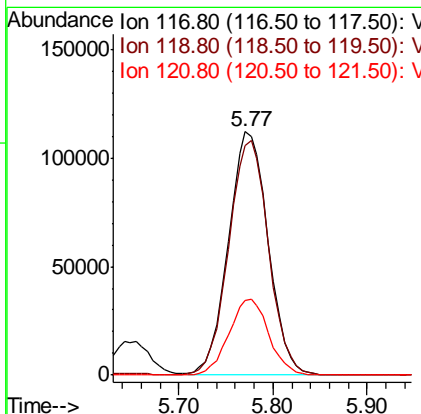
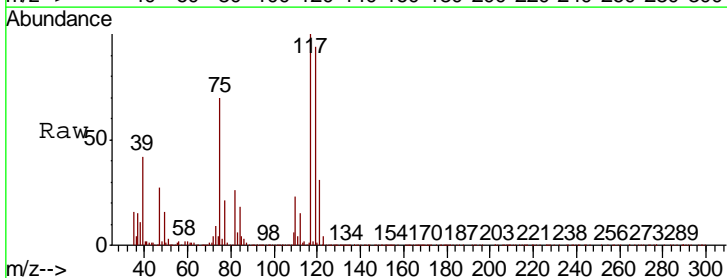
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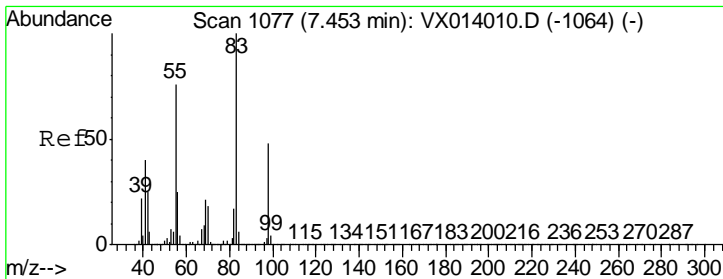
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#38
Carbon Tetrachloride
Concen: 50.248 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014259.D
Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
117	328543		
119	94.3	76.2	114.4
121	30.8	23.6	35.4



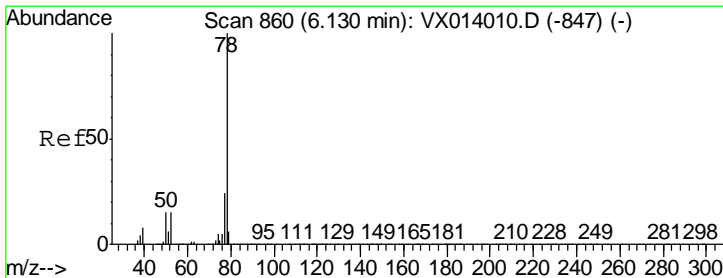
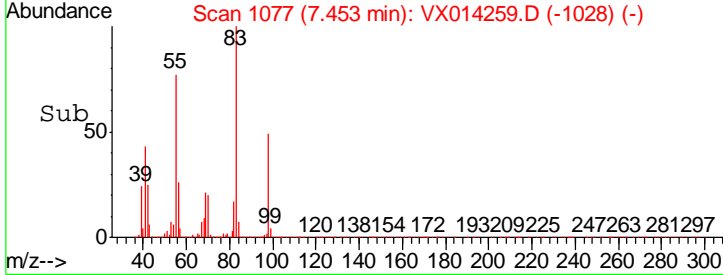
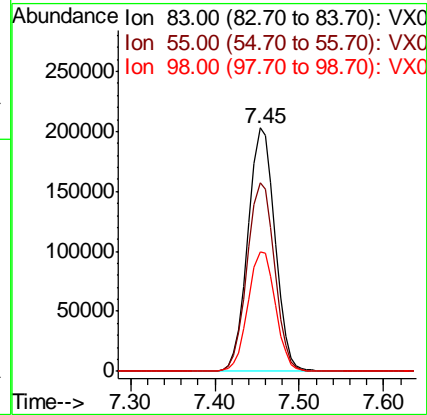
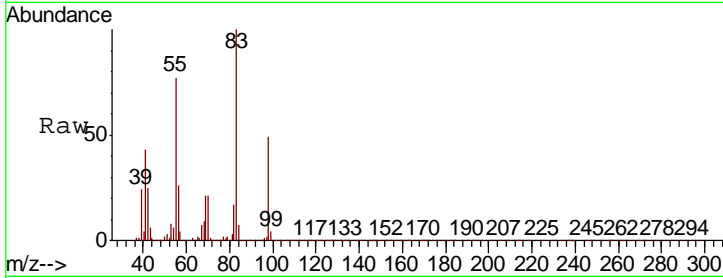


#39
 Methylcyclohexane
 Concen: 49.678 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
83	440255		
83	100		
55	77.3	61.0	91.6
98	49.0	38.6	57.8

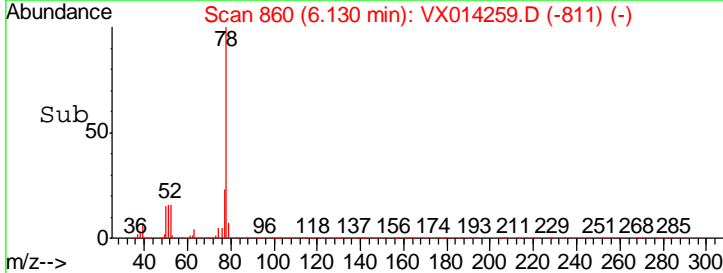
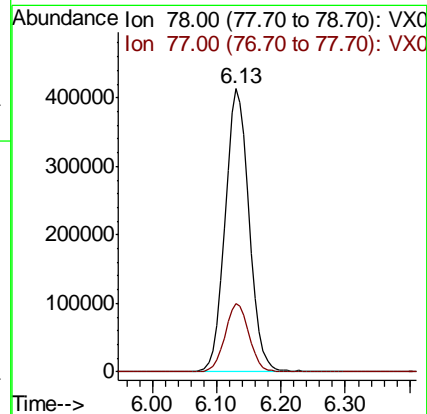
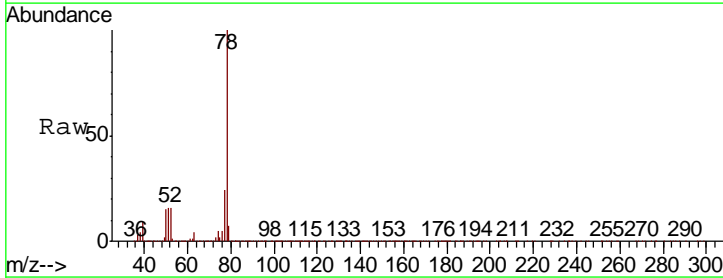
Instrument : MSVOA_X
 ClientSampled : VSTDC050

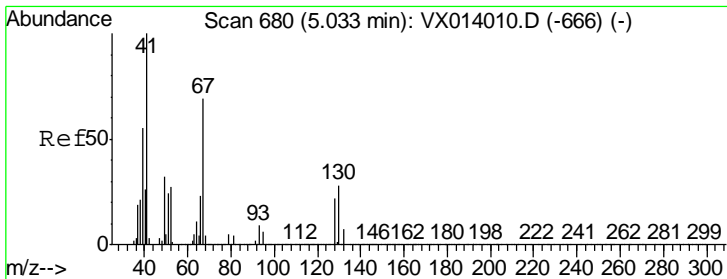
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#40
 Benzene
 Concen: 49.062 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
78	1083466		
78	100		
77	23.9	18.8	28.2





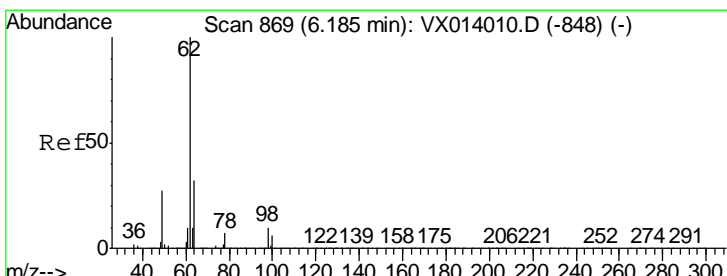
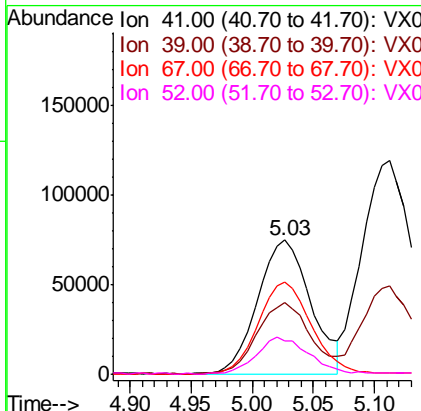
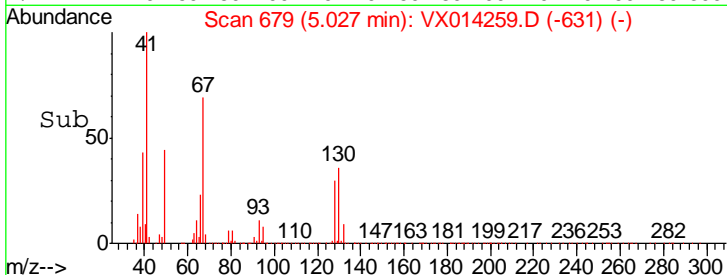
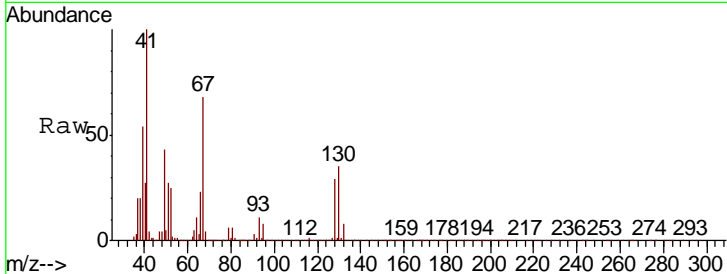
#41
 Methacrylonitrile
 Concen: 51.360 ug/l
 RT: 5.03 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
41	100		
39	51.9	44.5	66.7
67	68.5	57.4	86.0
52	26.6	23.0	34.4

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

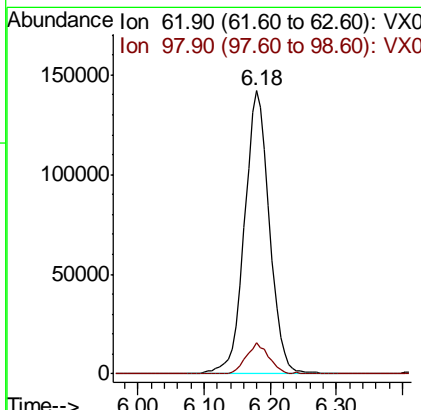
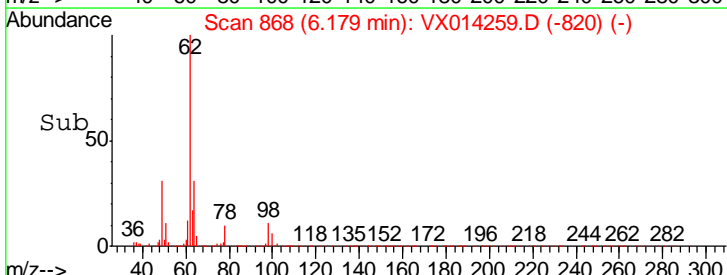
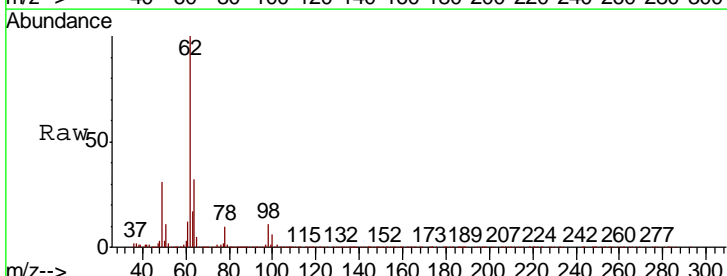
Manual Integrations
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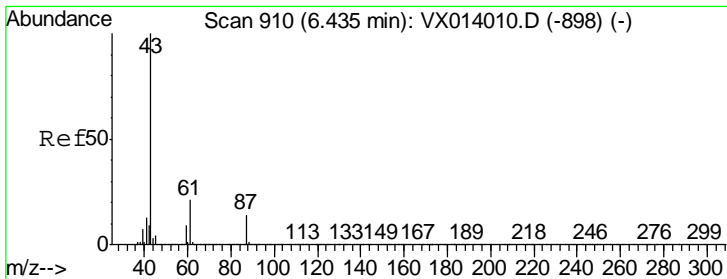
apatel
 12/27/2019 12:03:02 PM



#42
 1,2-Dichloroethane
 Concen: 49.676 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.2	0.0	21.0



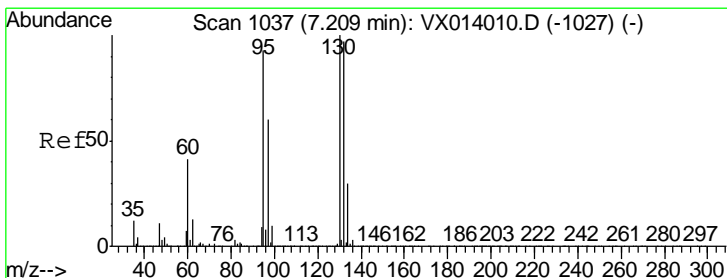
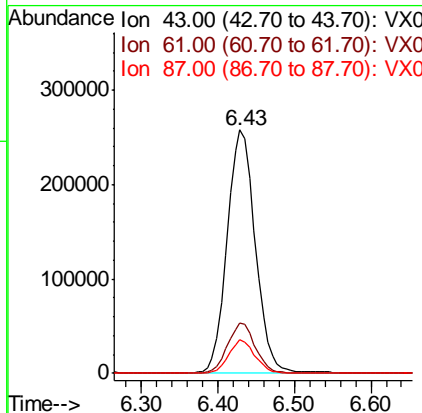
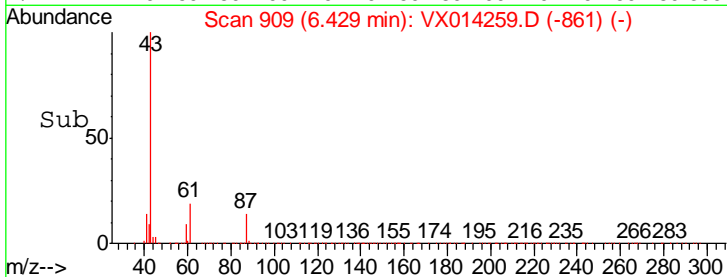
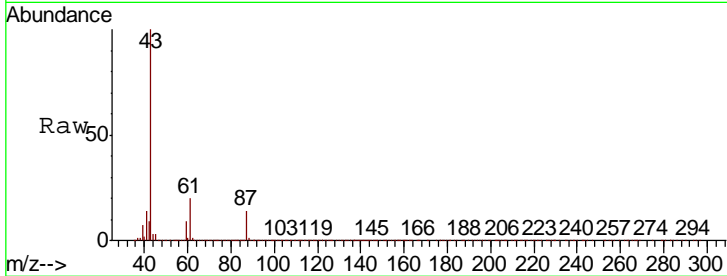


#43
 Isopropyl Acetate
 Concen: 49.975 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.1	16.4	24.6
87	13.0	10.7	16.1

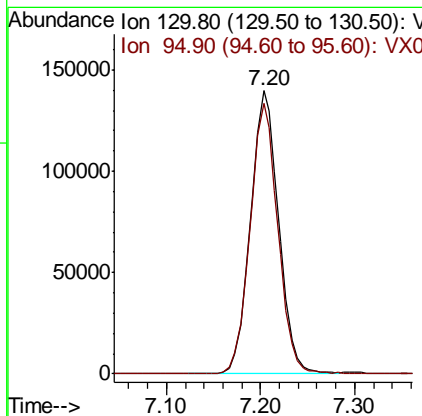
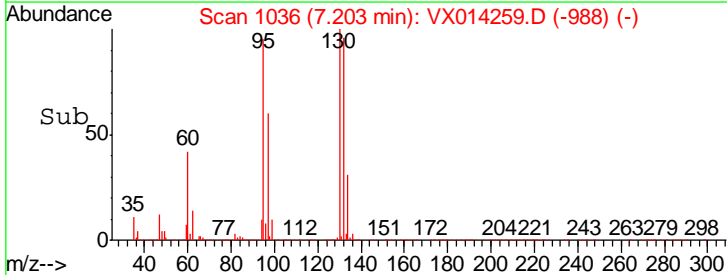
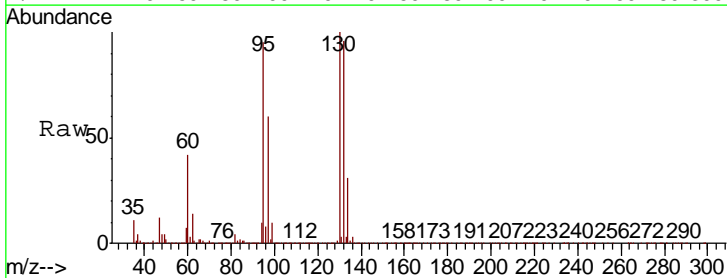
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

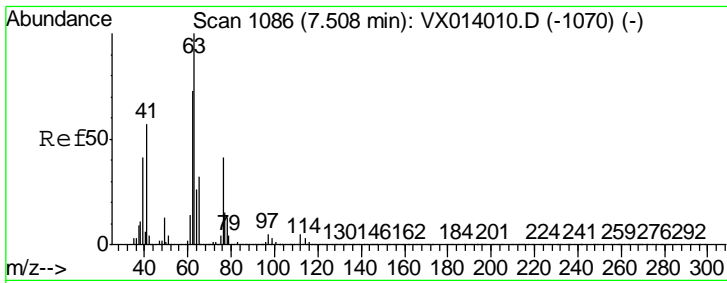
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#44
 Trichloroethene
 Concen: 48.112 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.3	0.0	185.6



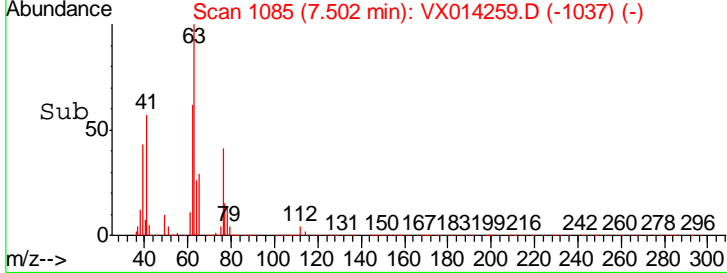
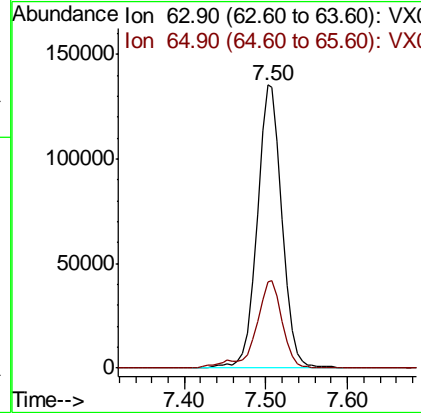
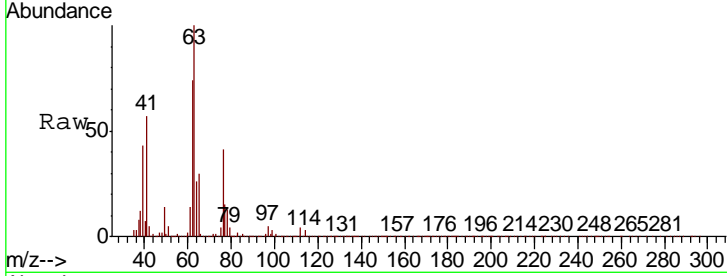


#45
 1,2-Dichloropropane
 Concen: 50.472 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampled : VSTDC050

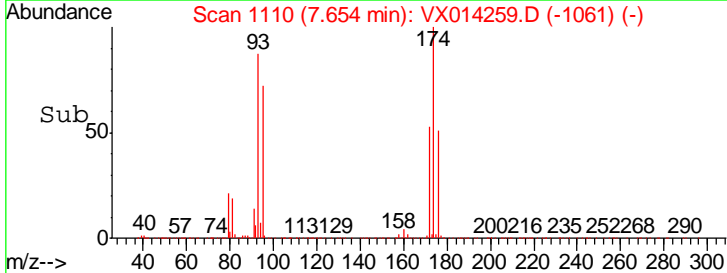
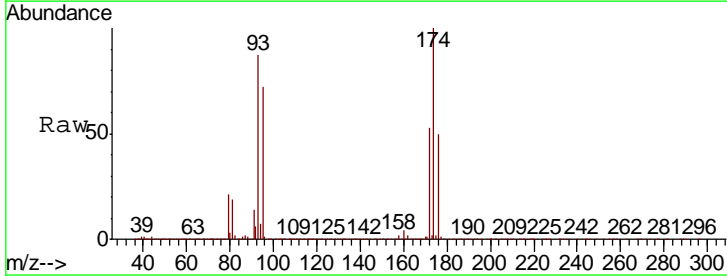
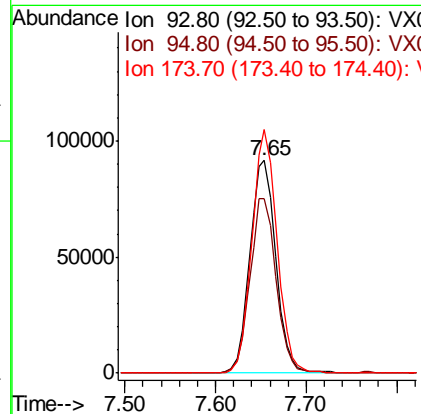
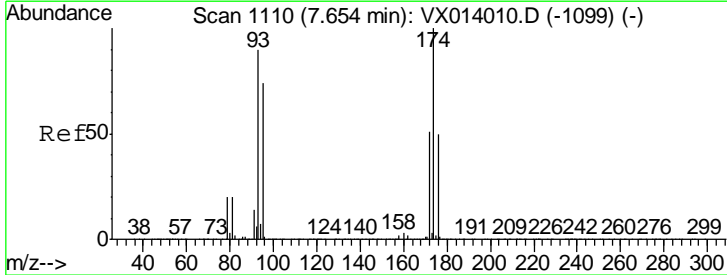
Tgt Ion	Resp	Lower	Upper
63	100		
65	30.2	25.8	38.8

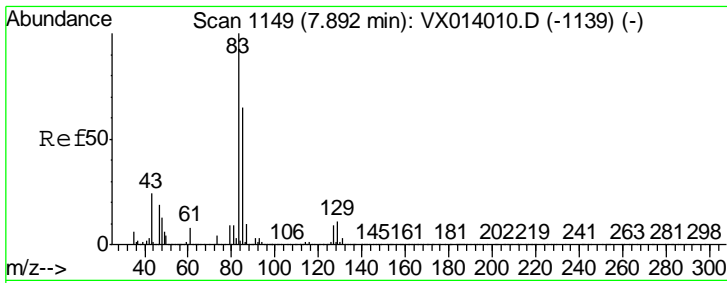
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#46
 Dibromomethane
 Concen: 48.059 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.9	67.3	100.9
174	112.1	91.6	137.4





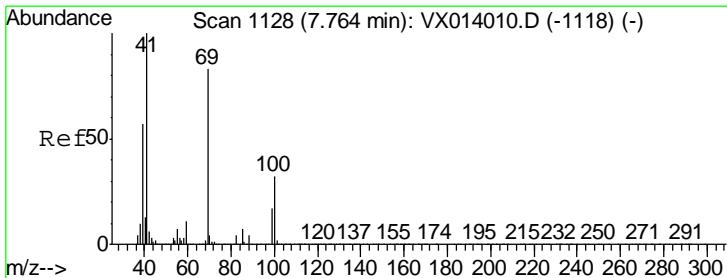
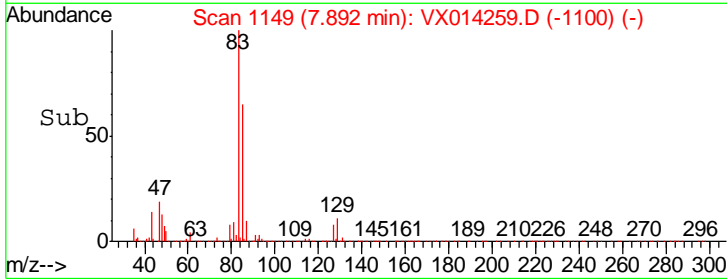
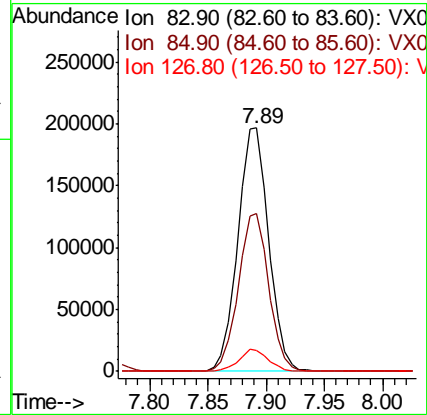
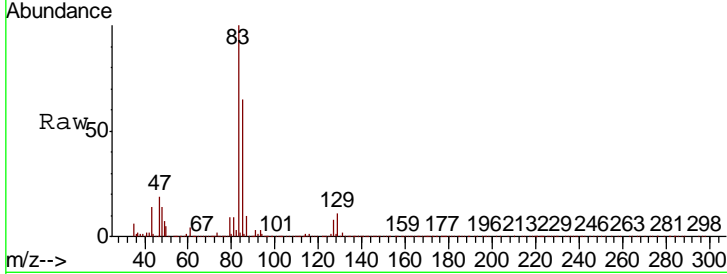
#47
 Bromodichloromethane
 Concen: 51.599 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.6	51.8	77.8
127	8.3	7.0	10.4

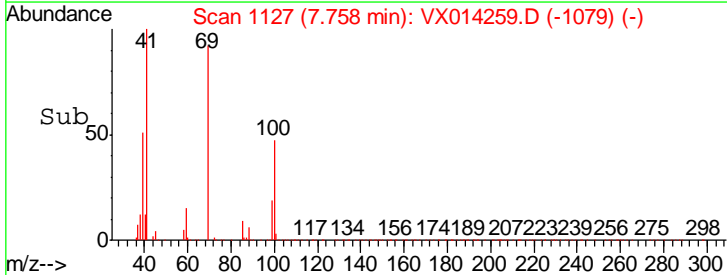
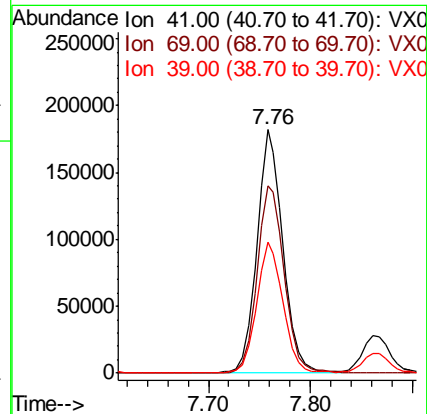
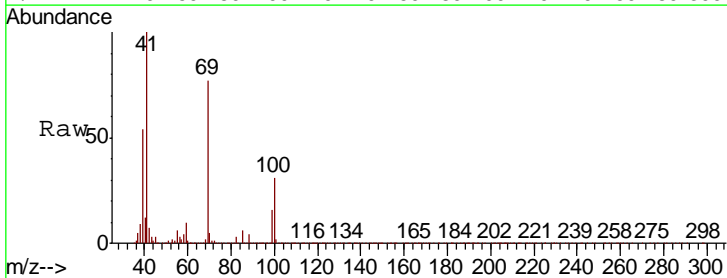
Manual Integrations
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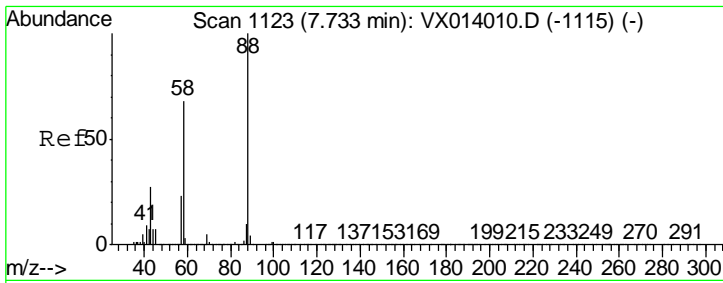
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#48
 Methyl methacrylate
 Concen: 50.461 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
41	100		
69	80.3	65.8	98.6
39	53.6	44.6	67.0





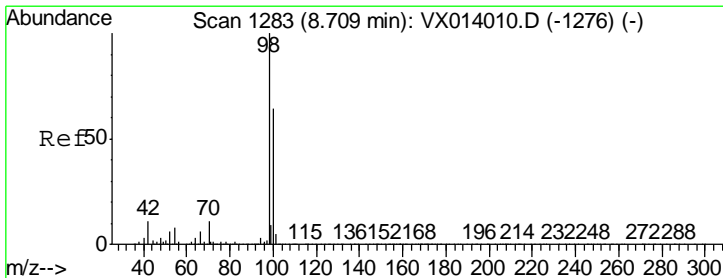
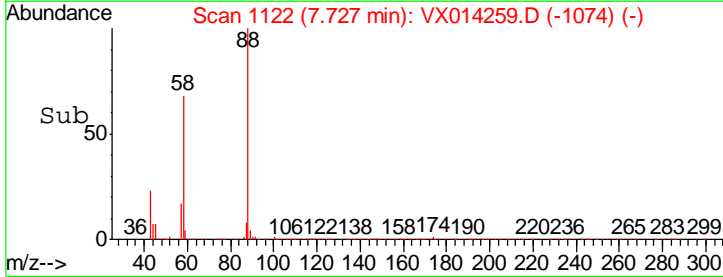
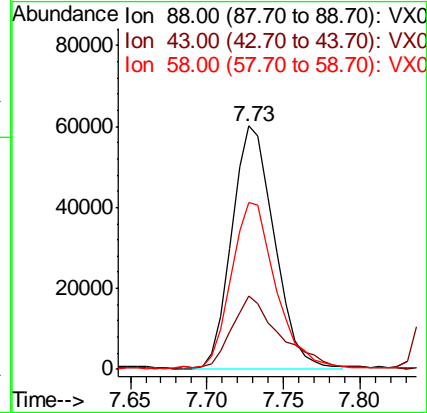
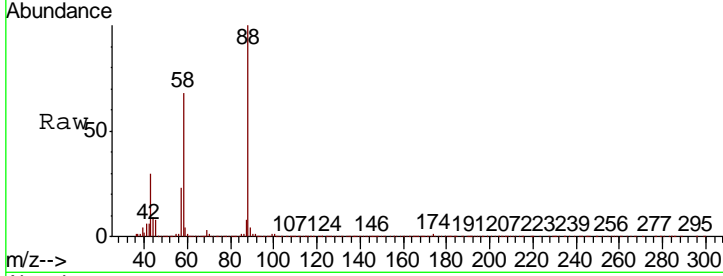
#49
 1,4-Dioxane
 Concen: 881.867 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
88	115267		
88	100		
43	36.0	26.5	39.7
58	71.6	56.8	85.2

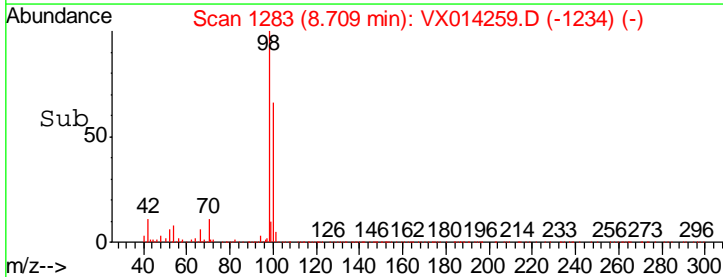
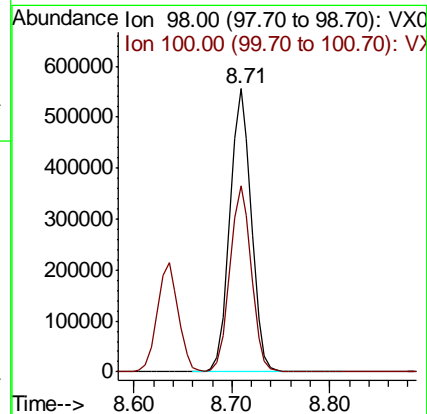
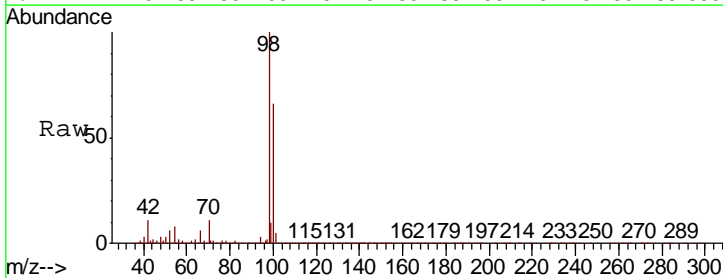
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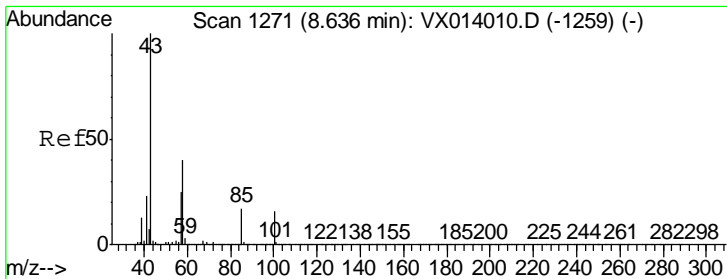
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#50
 Toluene-d8
 Concen: 45.406 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
98	840577		
98	100		
100	66.0	52.9	79.3



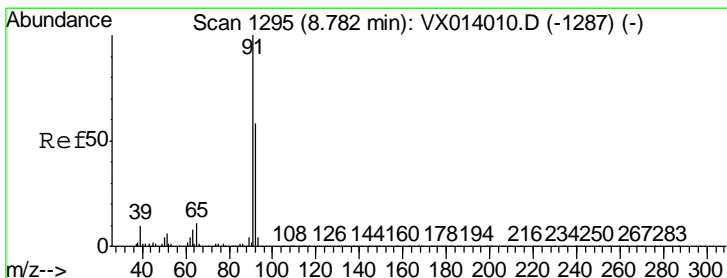
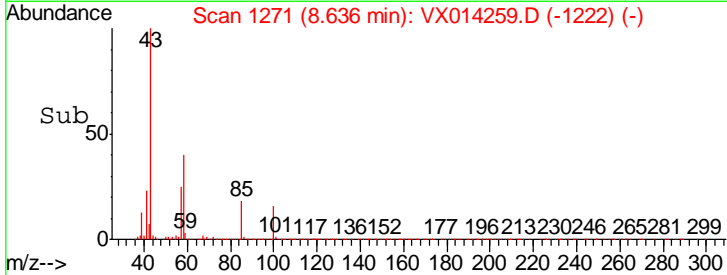
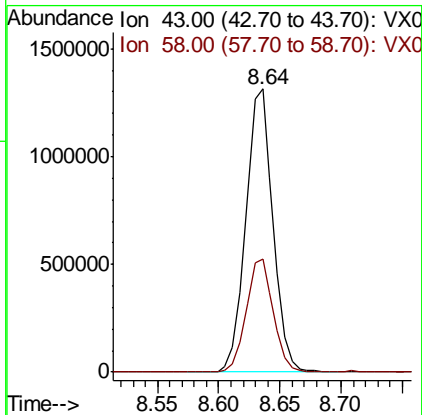
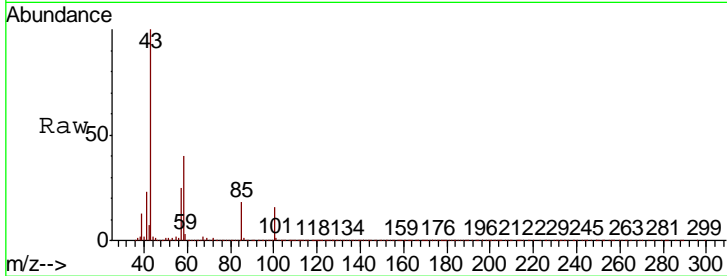


#51
 4-Methyl-2-Pentanone
 Concen: 246.356 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.8	32.2	48.2

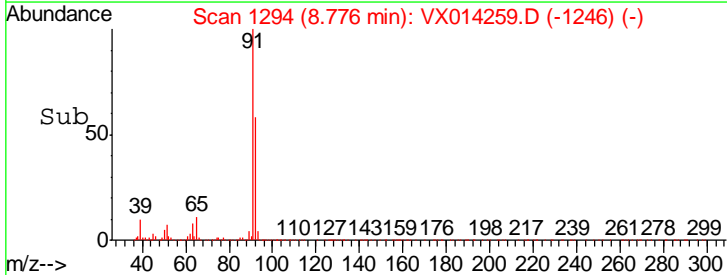
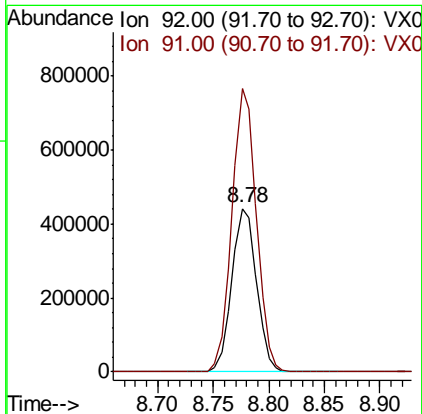
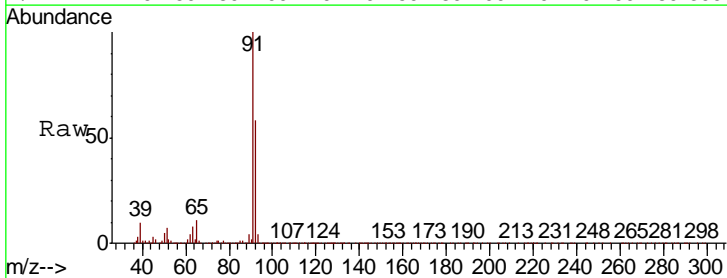
Instrument : MSVOA_X
 Client Sampled : VSTDC0050

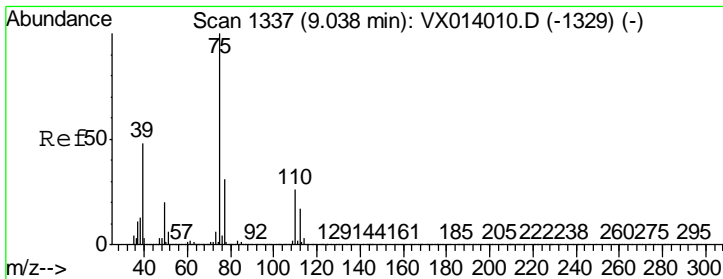
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#52
 Toluene
 Concen: 48.848 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
92	100		
91	171.2	136.2	204.4





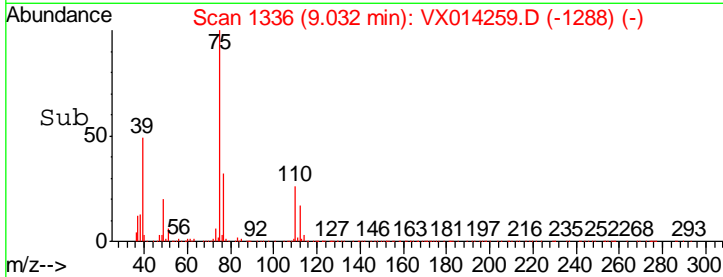
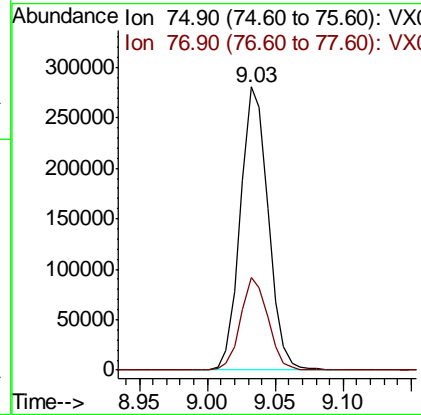
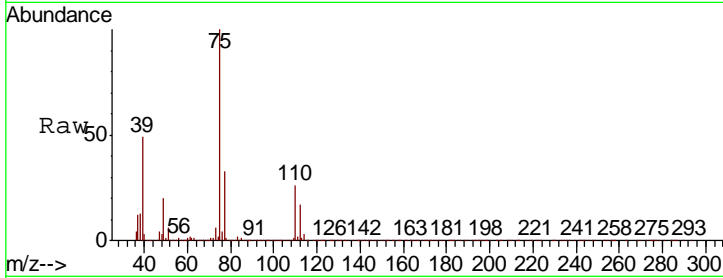
#53
 t-1,3-Dichloropropene
 Concen: 51.764 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
75	400041		
75	100		
77	32.5	25.1	37.7

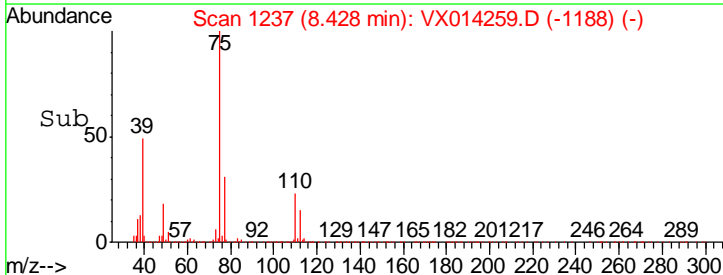
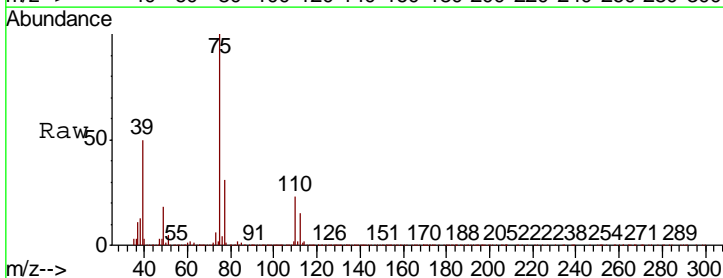
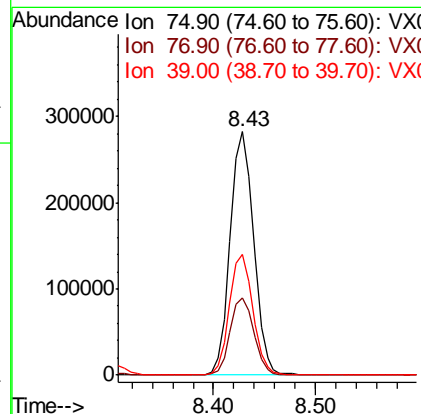
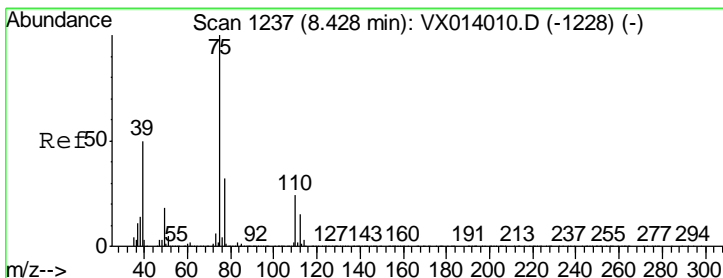
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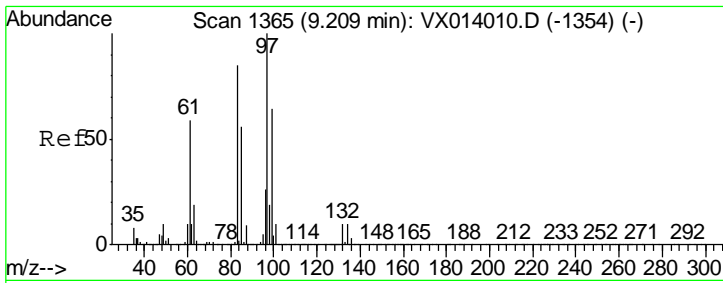
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#54
 cis-1,3-Dichloropropene
 Concen: 52.417 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
75	451295		
75	100		
77	31.4	25.3	37.9
39	49.4	39.9	59.9





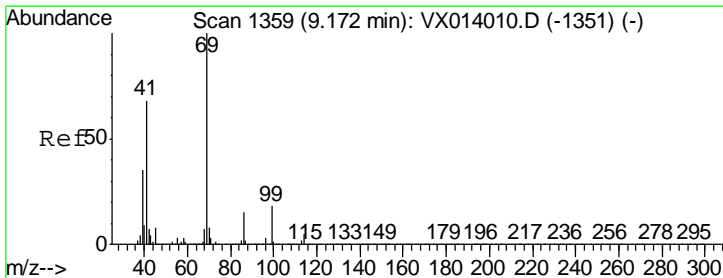
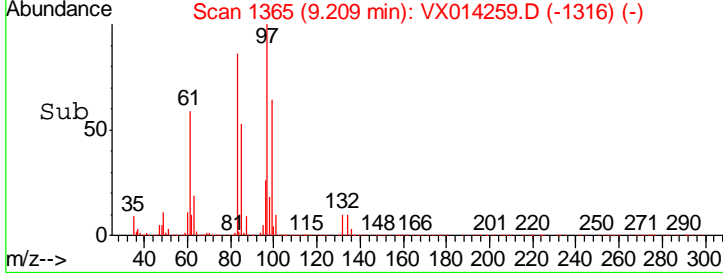
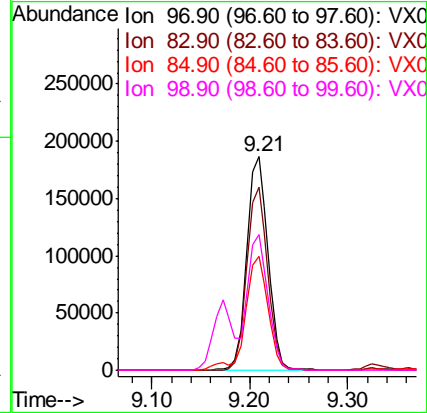
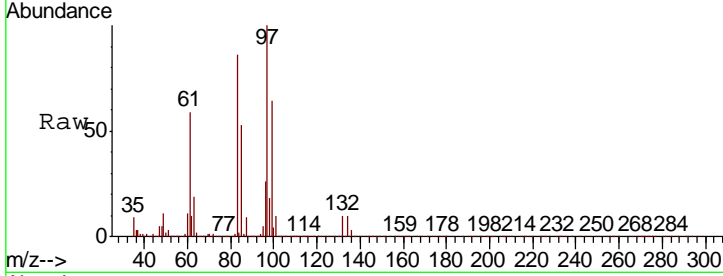
#55
 1,1,2-Trichloroethane
 Concen: 49.937 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
97	100		
83	85.8	68.2	102.4
85	53.1	44.6	66.8
99	63.6	51.4	77.0

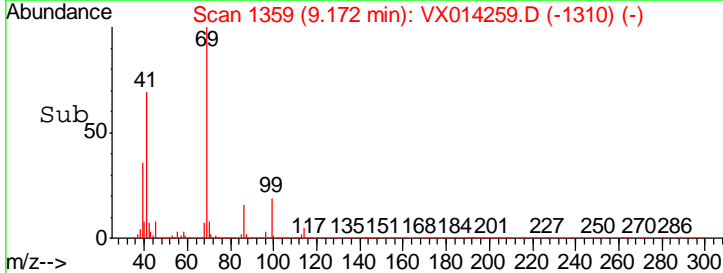
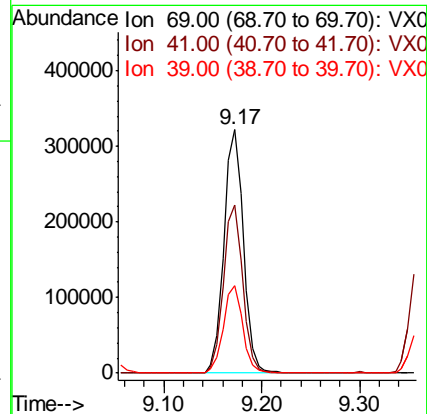
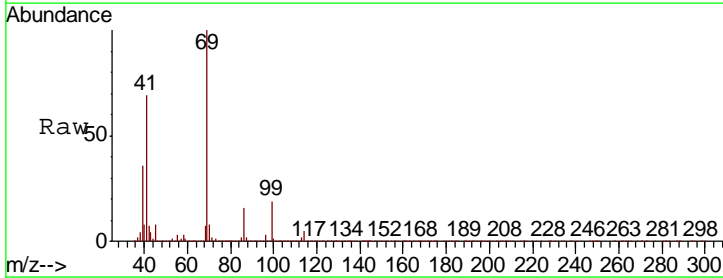
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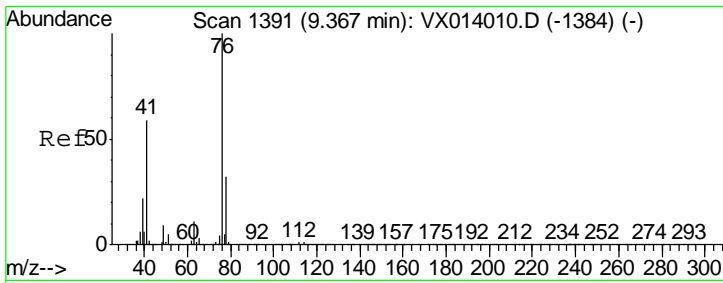
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#56
 Ethyl methacrylate
 Concen: 50.704 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
69	100		
41	68.3	54.8	82.2
39	35.6	28.3	42.5



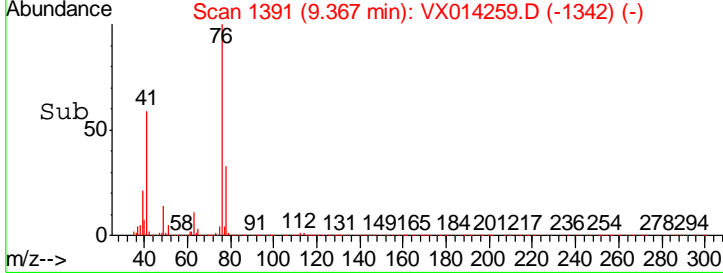
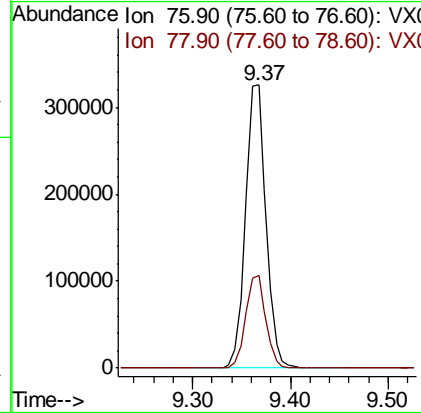
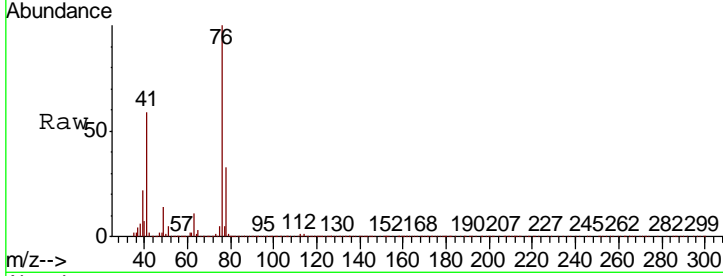


#57
 1,3-Dichloropropane
 Concen: 50.071 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
76	471296		
76	100		
78	32.3	25.8	38.6

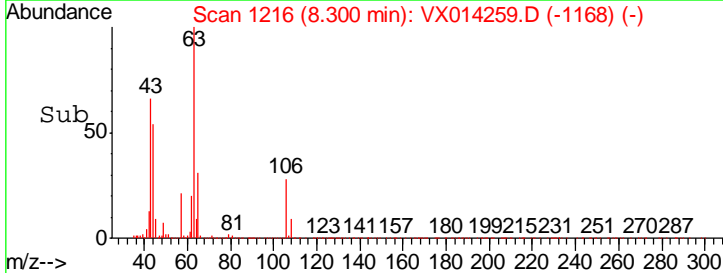
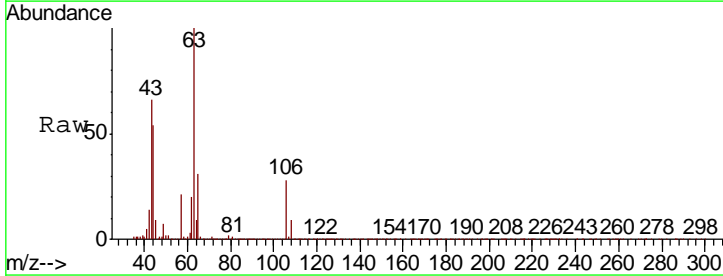
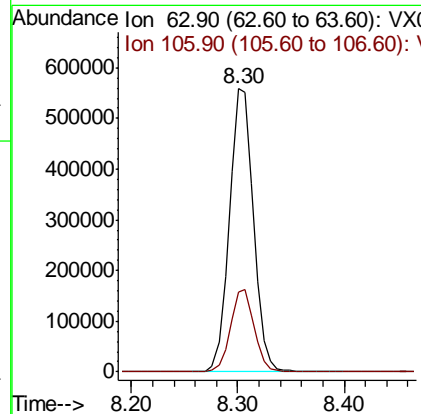
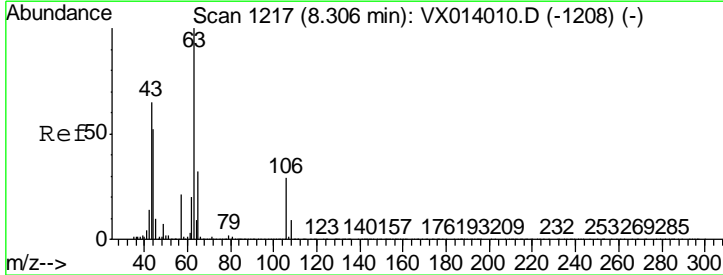
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

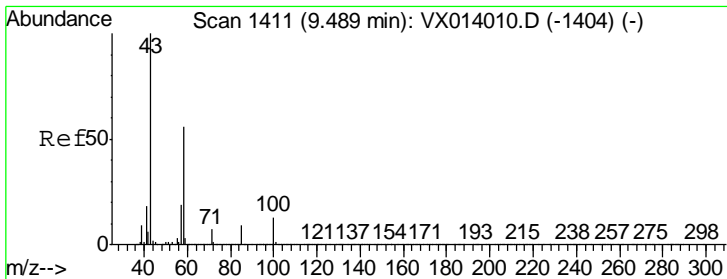
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 265.501 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
63	882962		
63	100		
106	28.6	23.0	34.6





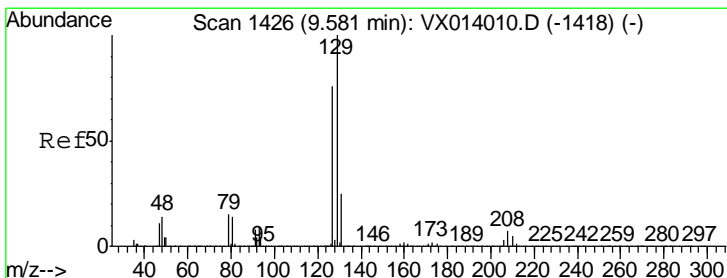
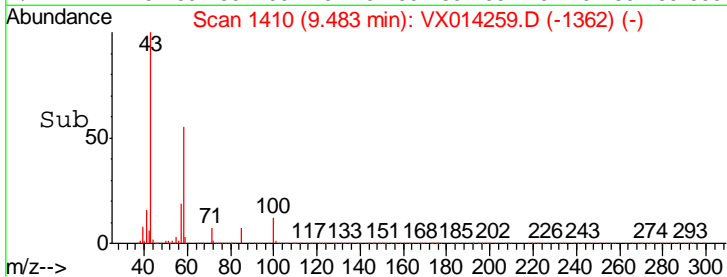
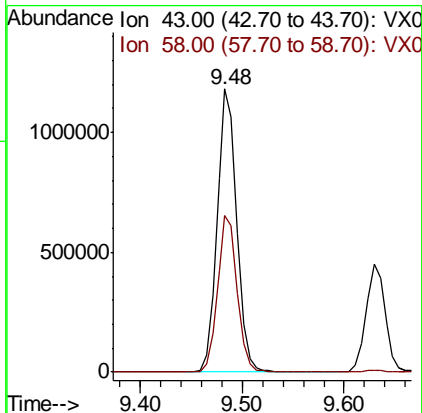
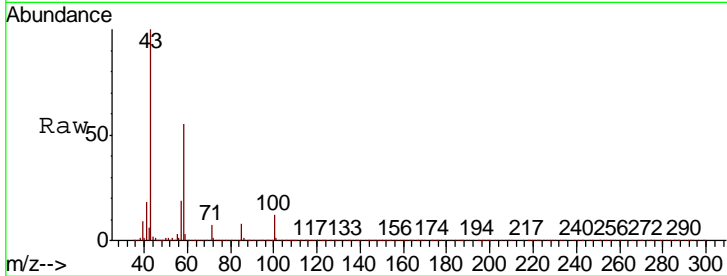
#59
 2-Hexanone
 Concen: 239.748 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.3	28.0	84.0

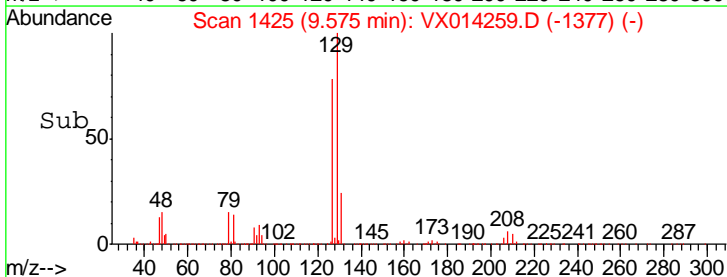
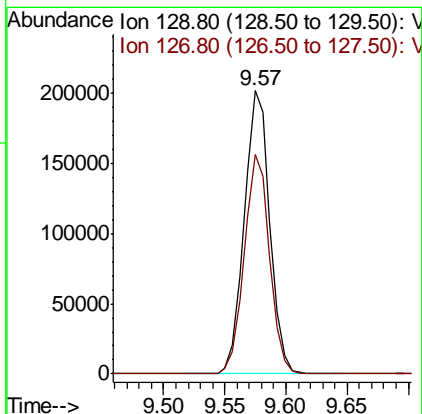
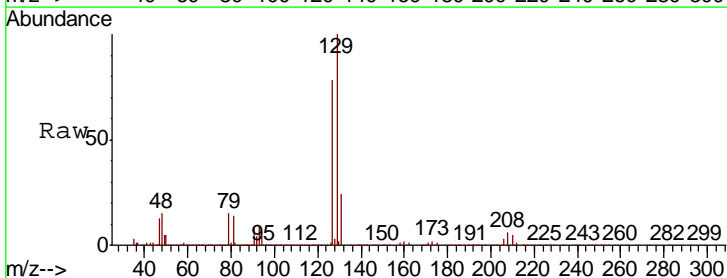
Manual Integrations
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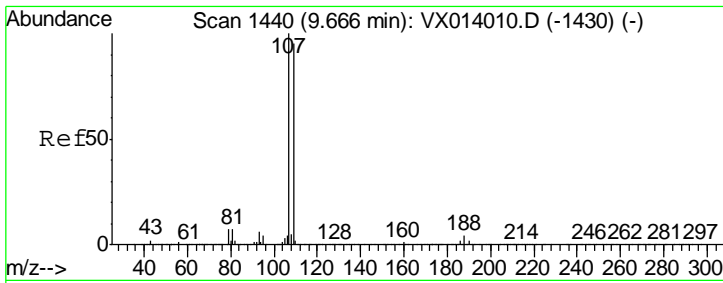
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#60
 Dibromochloromethane
 Concen: 52.437 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.9	38.4	115.2



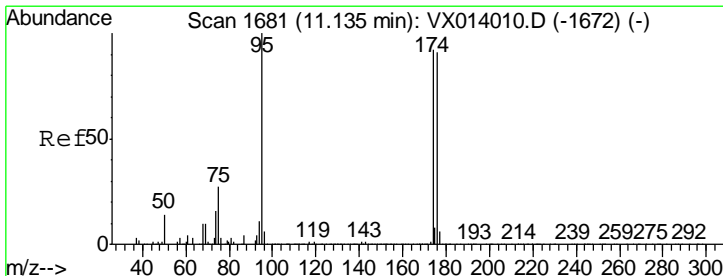
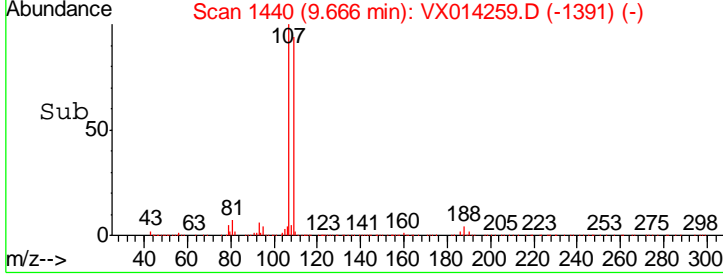
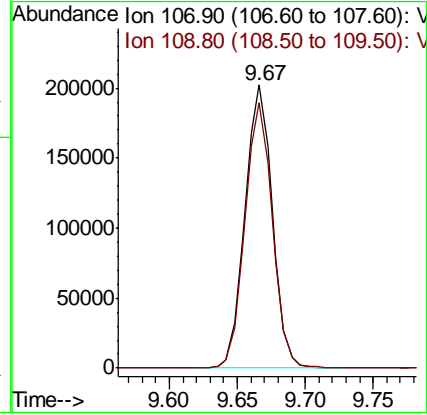
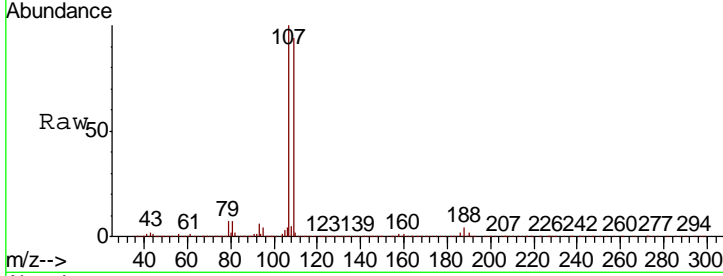


#61
 1,2-Dibromoethane
 Concen: 49.510 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

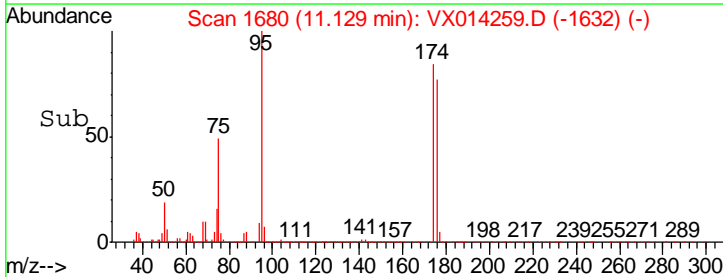
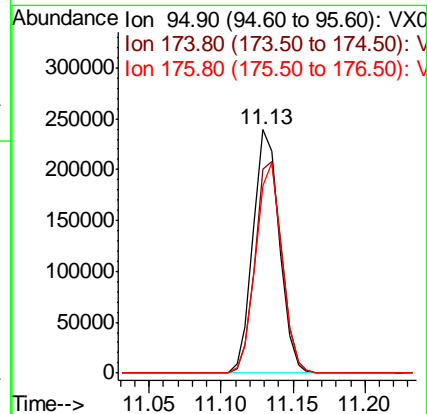
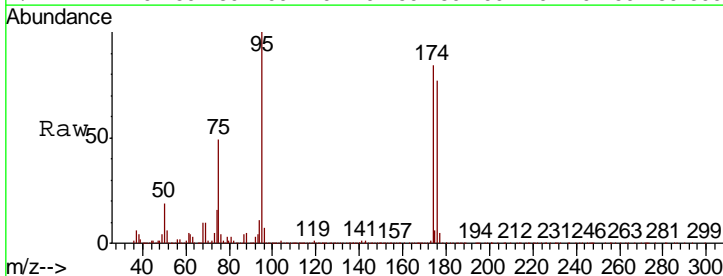
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5

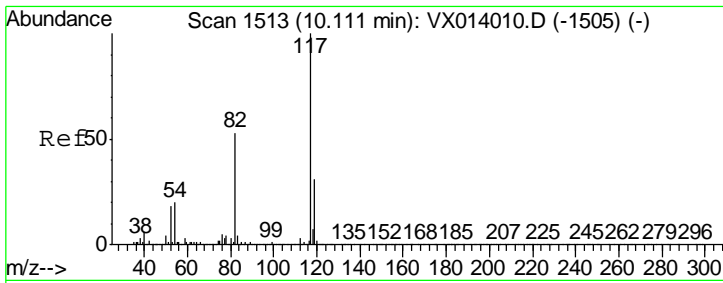
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 44.468 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	175.8
176	86.0	0.0	173.0





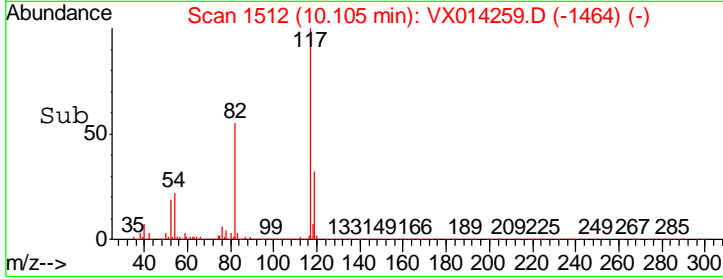
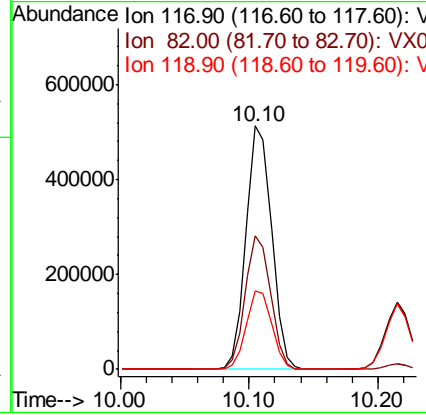
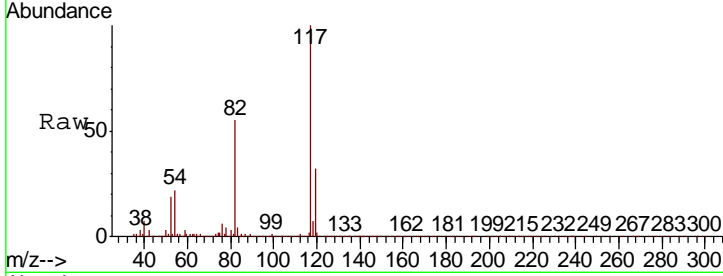
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.2	63.4
119	32.3	25.1	37.7

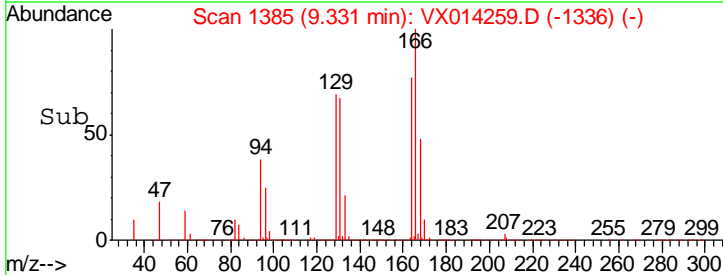
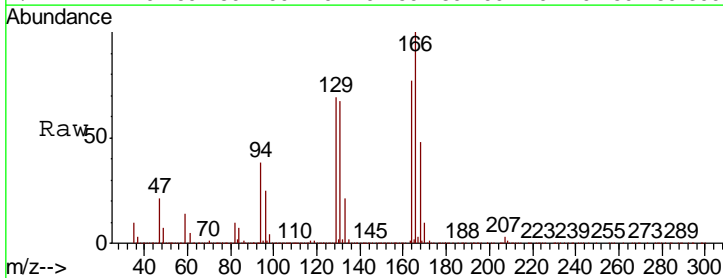
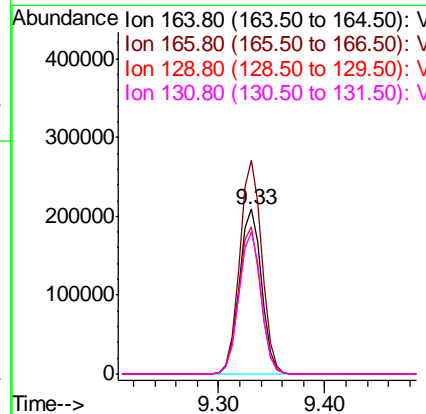
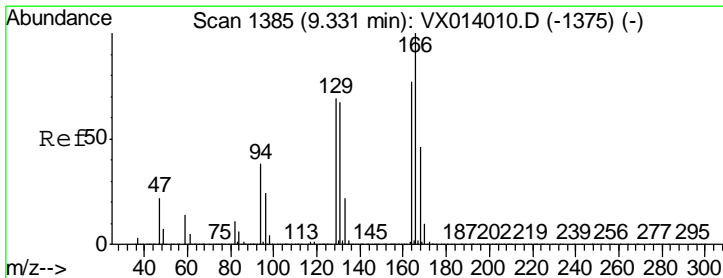
Manual Integrations
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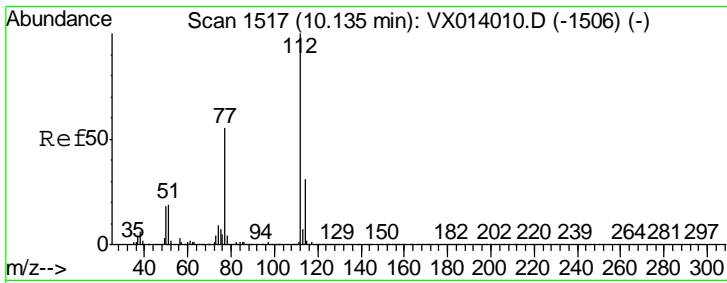
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#64
 Tetrachloroethene
 Concen: 49.300 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	104.0	156.0
129	89.5	72.2	108.4
131	86.2	69.6	104.4





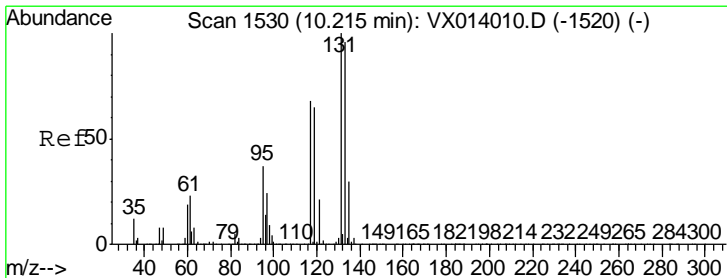
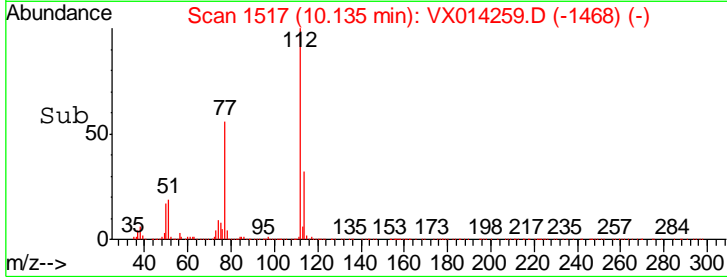
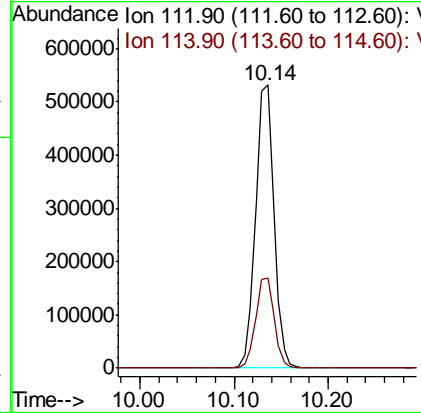
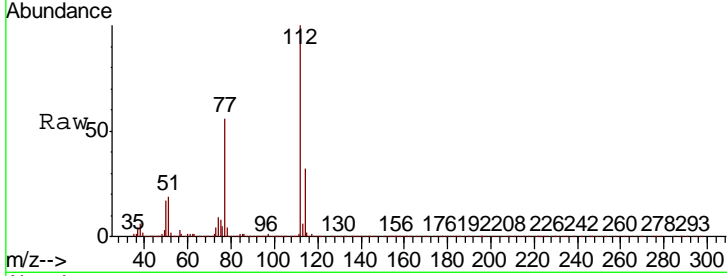
#65
 Chlorobenzene
 Concen: 49.025 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.9	37.3

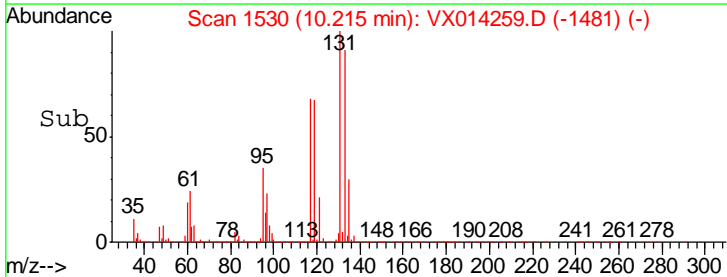
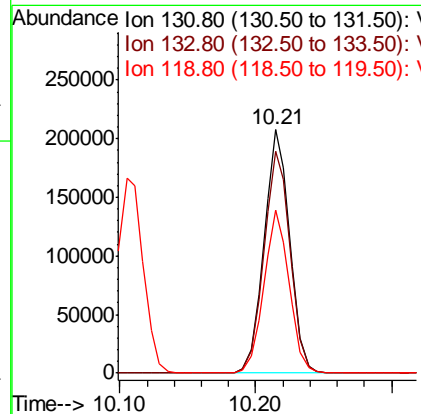
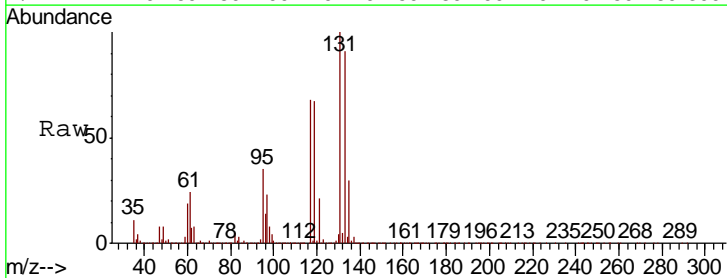
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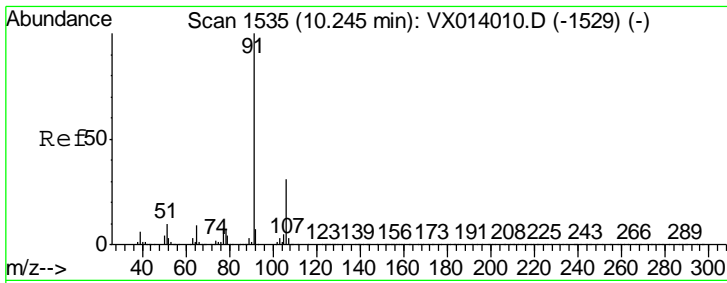
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.343 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.0	144.0
119	66.2	33.4	100.2



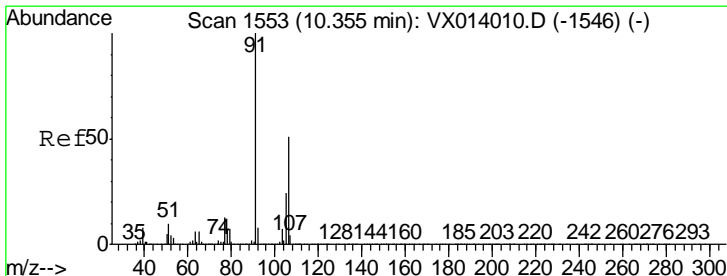
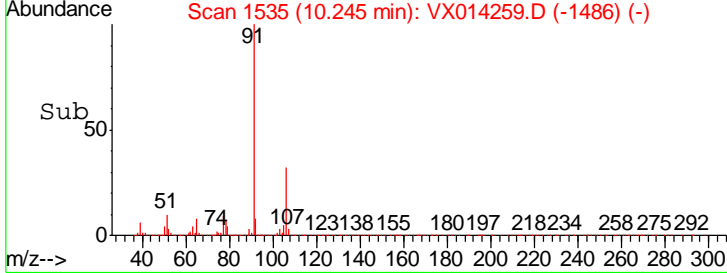
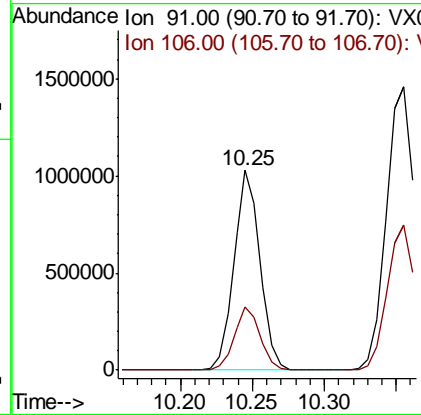
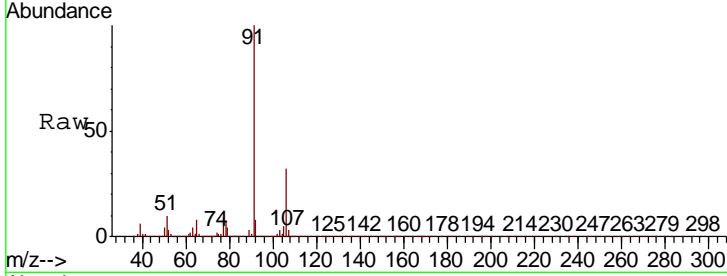


#67
 Ethyl Benzene
 Concen: 50.464 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

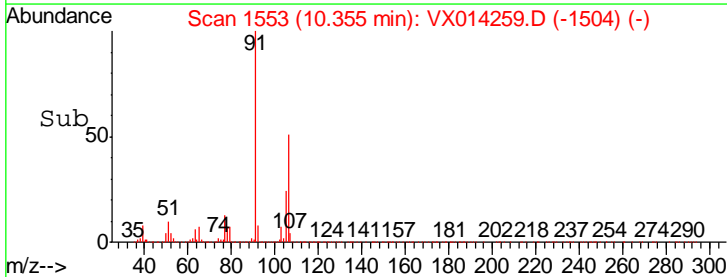
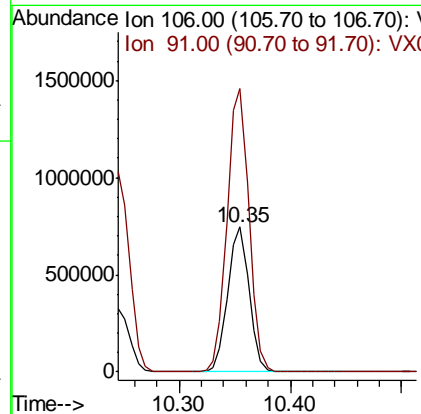
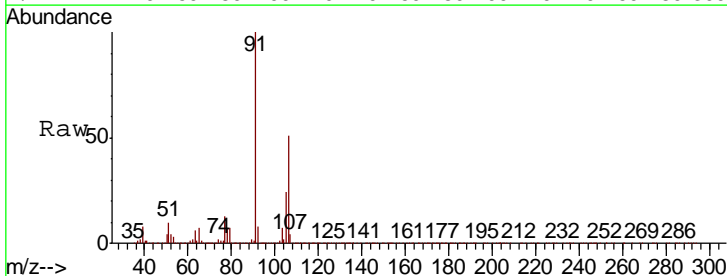
Tgt Ion	Resp	Lower	Upper
91	100		
106	31.8	25.0	37.6

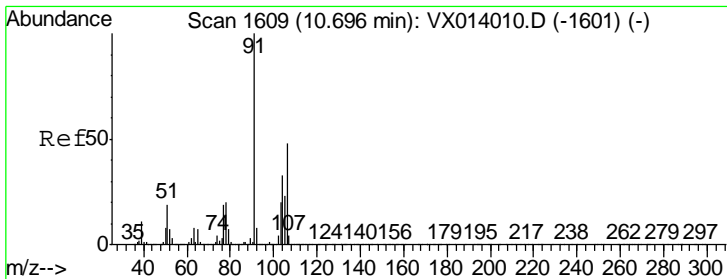
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#68
 m/p-Xylenes
 Concen: 100.167 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
106	100		
91	199.3	158.6	238.0





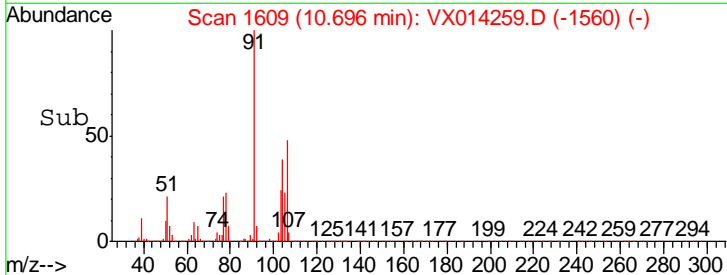
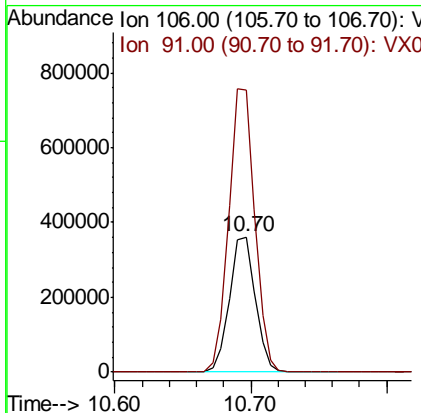
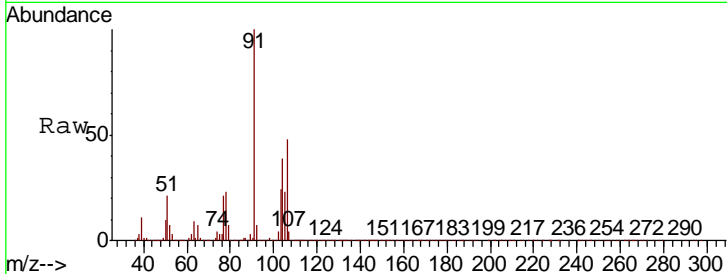
#69
 o-Xylene
 Concen: 49.185 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.8	104.2	312.6

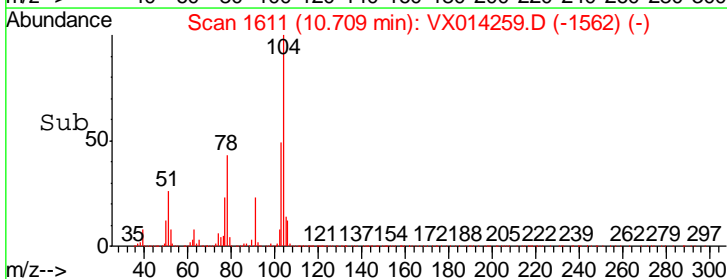
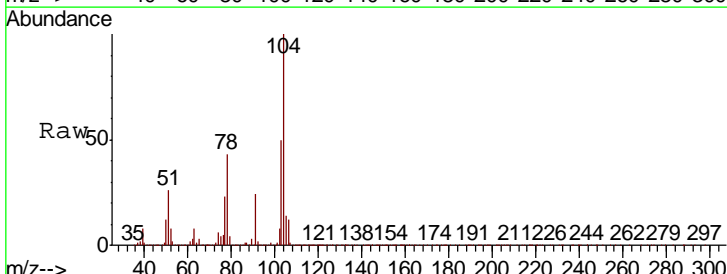
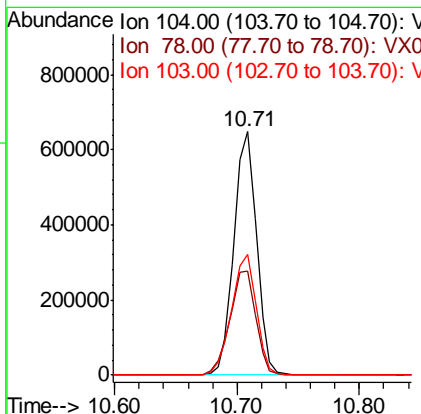
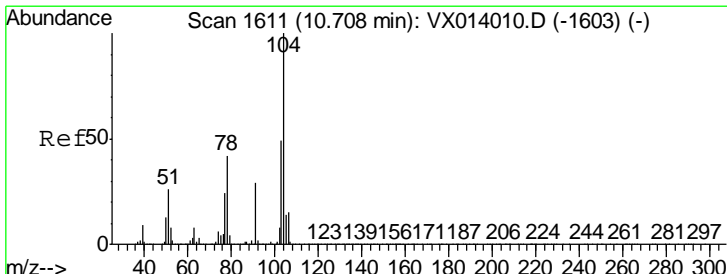
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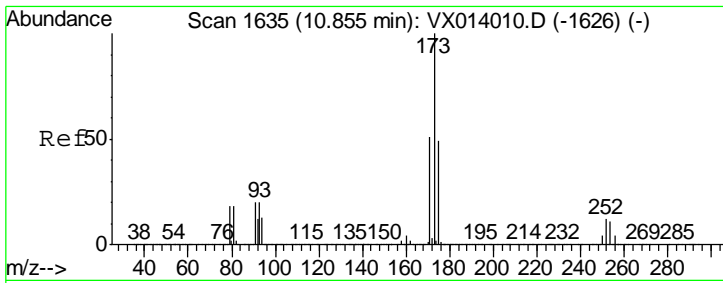
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#70
 Styrene
 Concen: 50.396 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.5	57.7
103	53.8	42.9	64.3





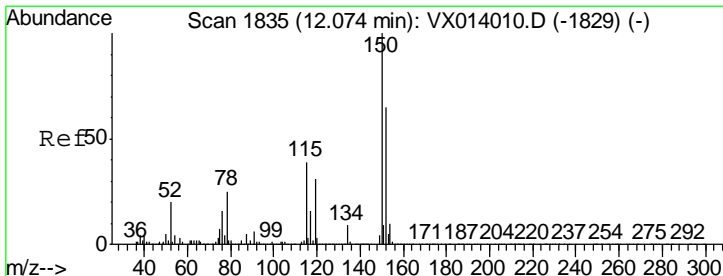
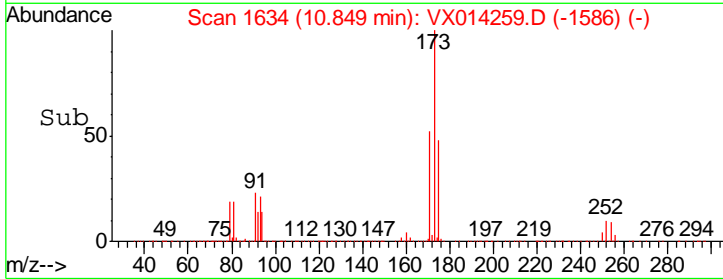
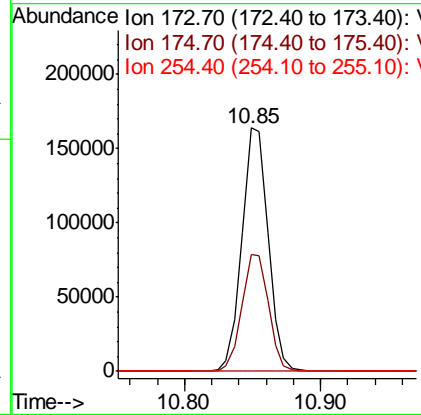
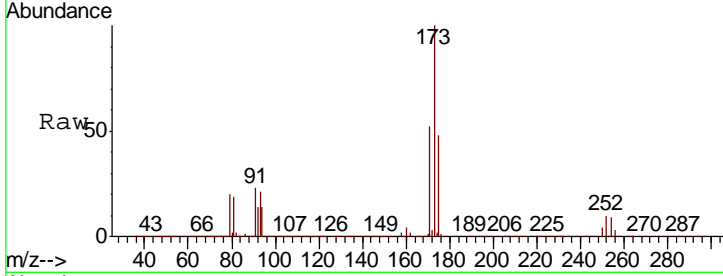
#71
 Bromoform
 Concen: 51.356 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.2	0.2	0.2

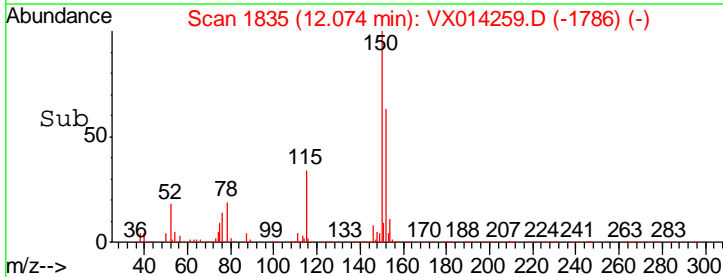
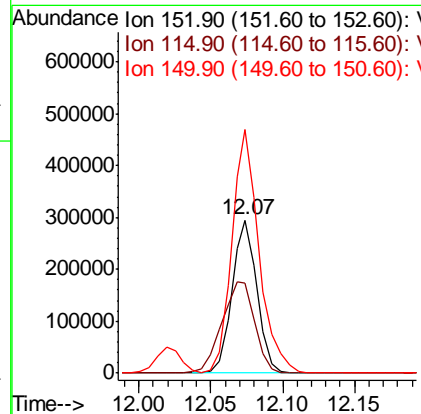
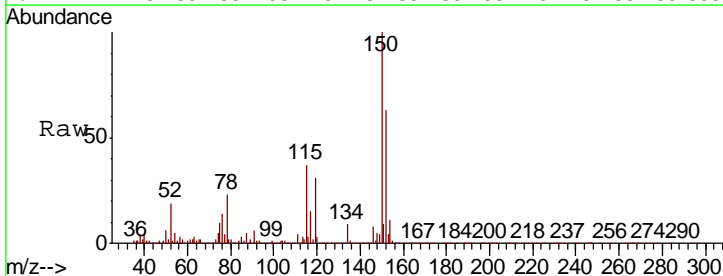
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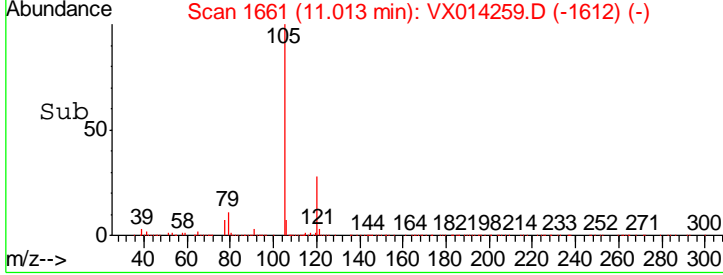
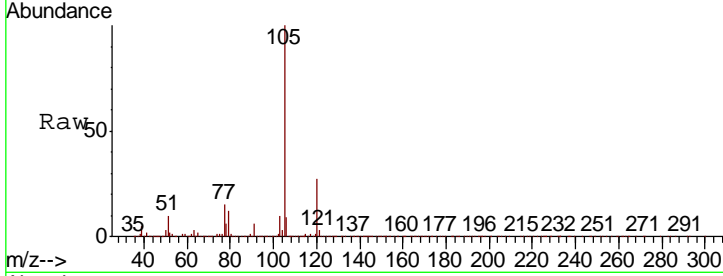
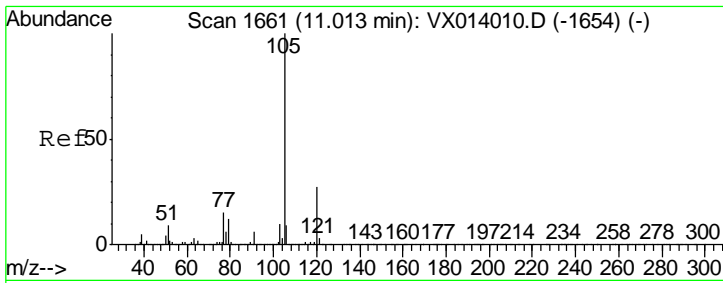
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.6	38.3	114.9
150	174.3	0.0	345.4





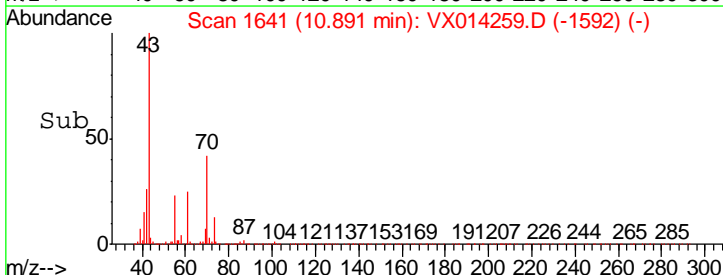
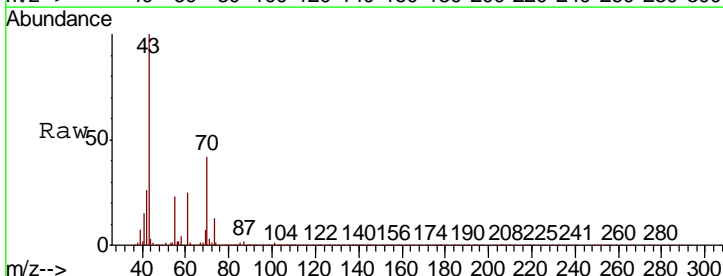
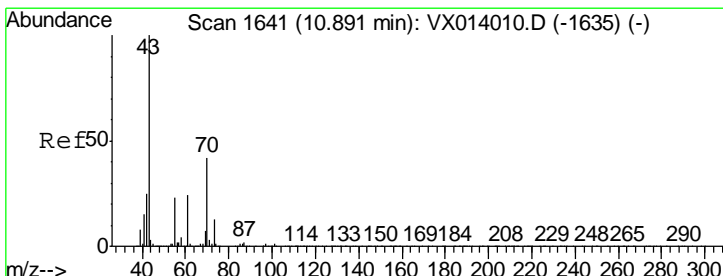
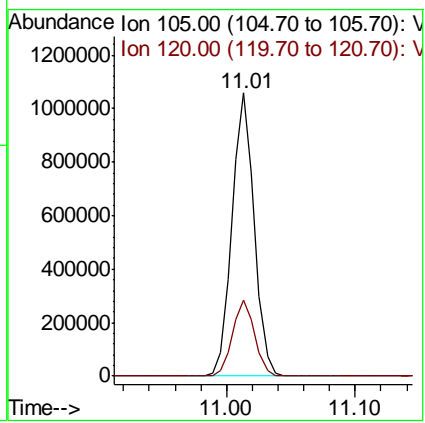
#73
 Isopropylbenzene
 Concen: 50.955 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion: 105 Resp: 1274321

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4

Instrument : MSVOA_X
 Client Sampled : VSTDC050

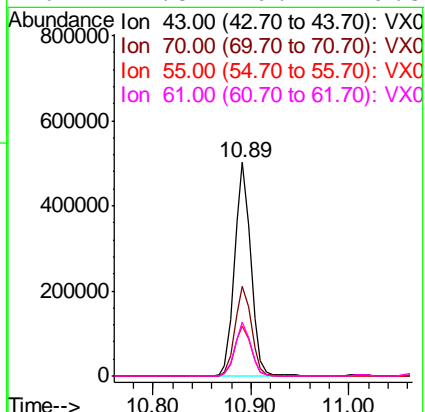
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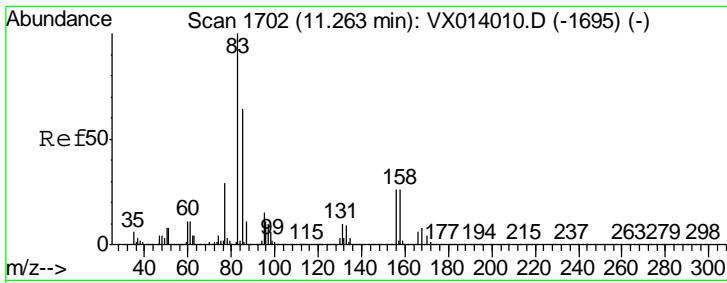


#74
 N-amyl acetate
 Concen: 49.227 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion: 43 Resp: 577066

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	24.1	19.1	28.7
61	24.8	19.7	29.5



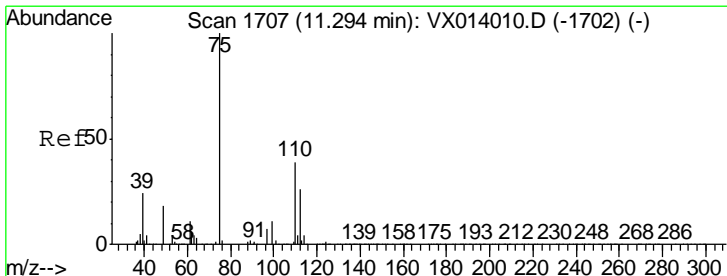
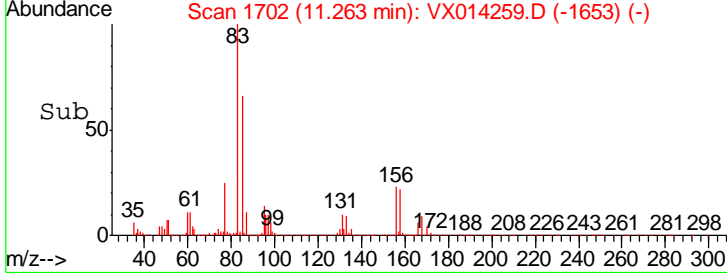
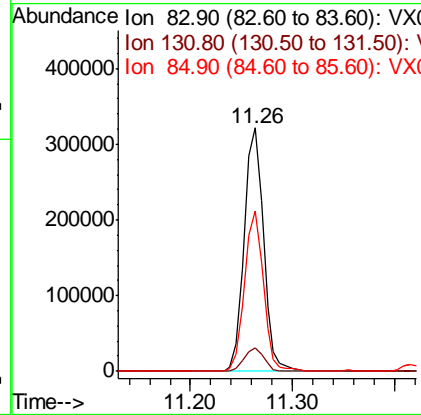
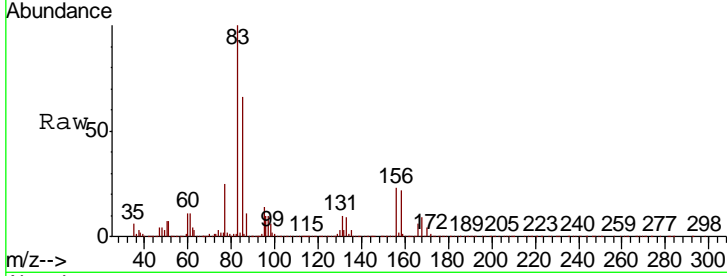


#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.350 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampled : VSTDC050

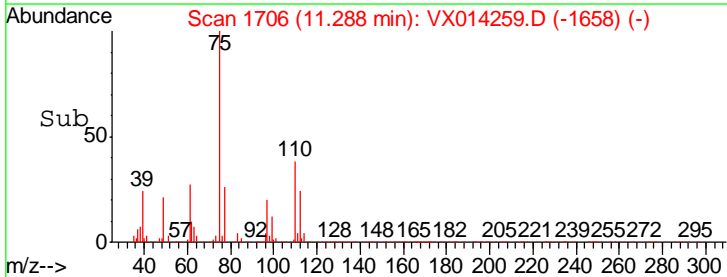
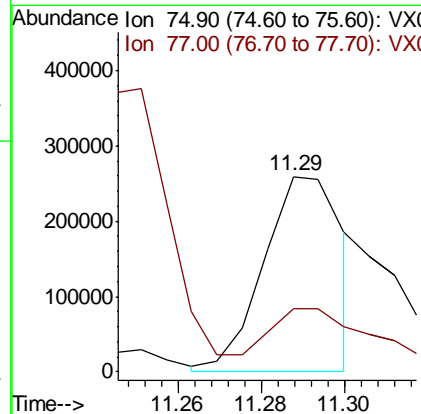
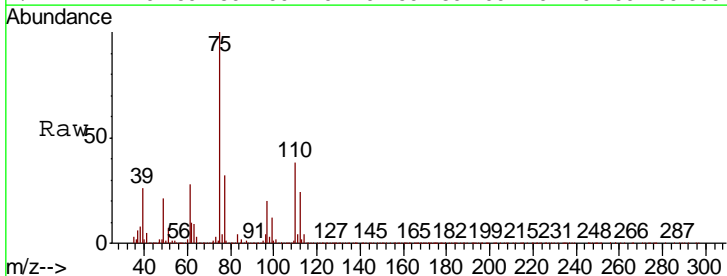
Tgt Ion	Resp	Lower	Upper
83	419205		
131	9.9	5.1	15.2
85	64.5	31.9	95.7

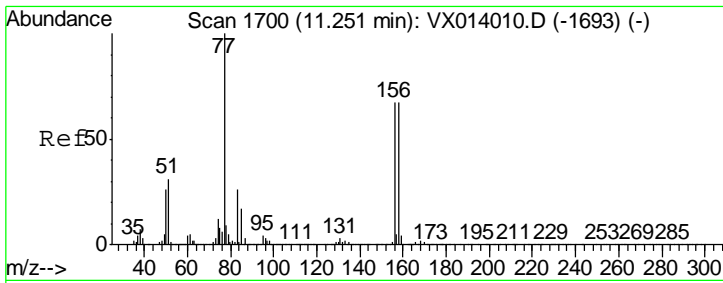
Manual Integrations
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#76
 1,2,3-Trichloropropane
 Concen: 44.454 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

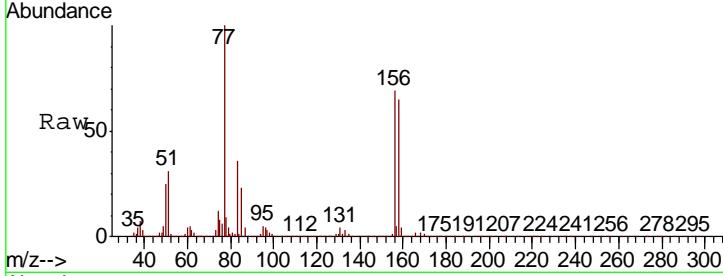
Tgt Ion	Resp	Lower	Upper
75	342799		
77	42.9	19.3	57.8





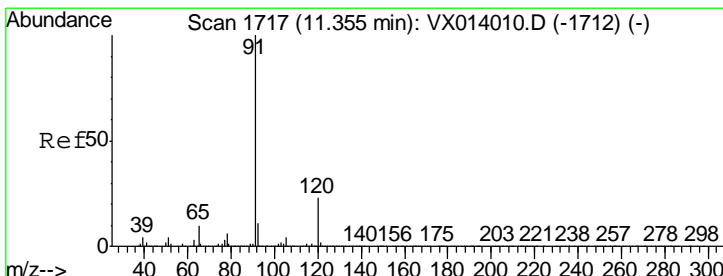
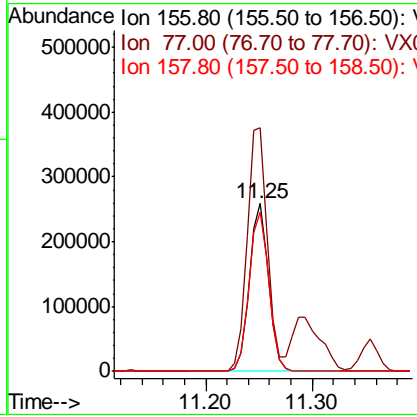
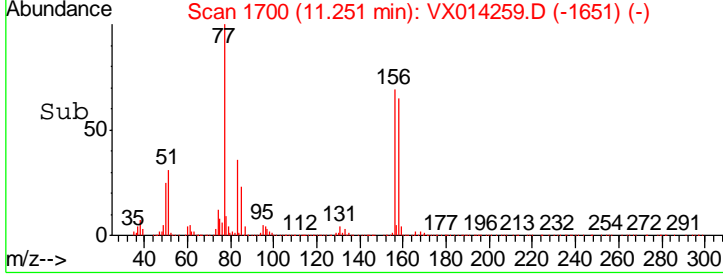
#77
 Bromobenzene
 Concen: 47.507 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

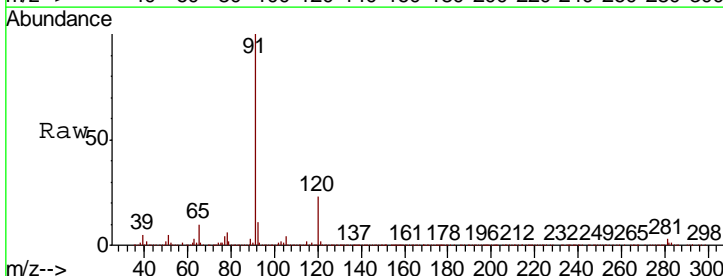


Tgt Ion	Resp	Lower	Upper
156	326886		
77	152.0	76.5	229.5
158	97.5	49.3	147.9

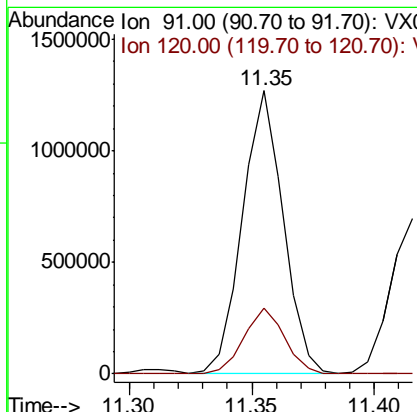
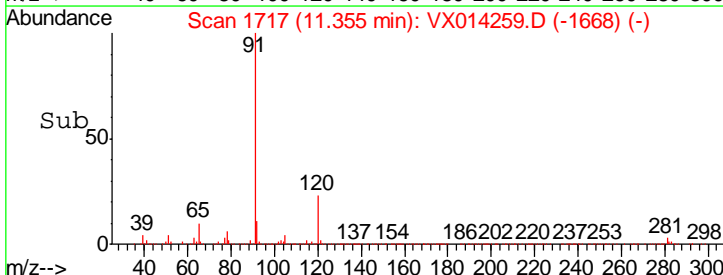
Manual Integrations
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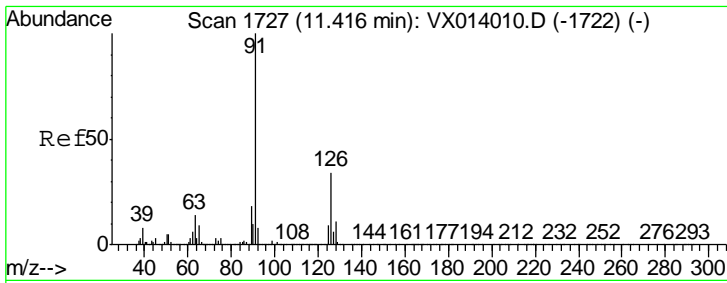


#78
 n-propylbenzene
 Concen: 52.162 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46



Tgt Ion	Resp	Lower	Upper
91	1463218		
120	23.3	11.7	35.0



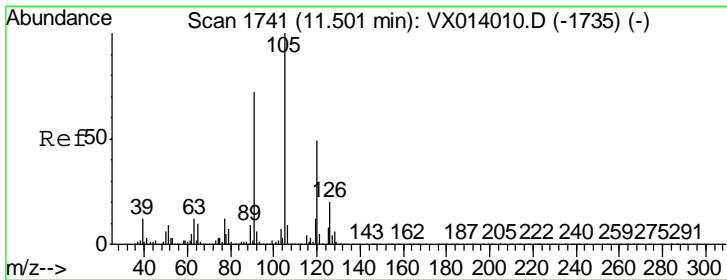
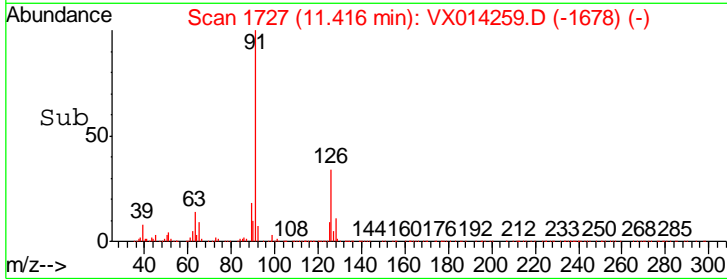
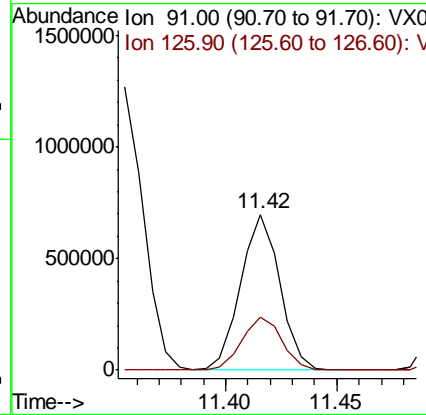
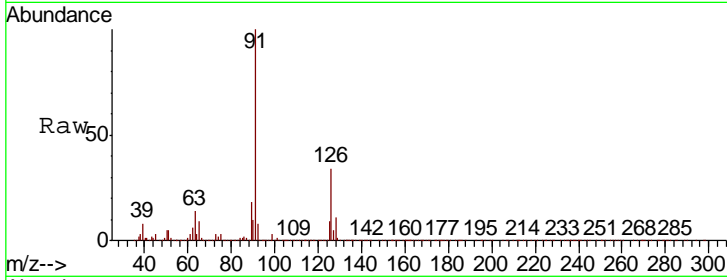


#79
 2-Chlorotoluene
 Concen: 50.159 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

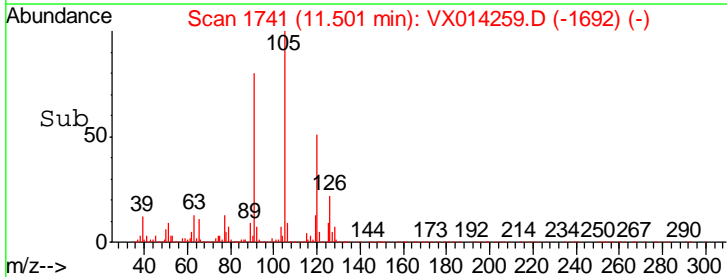
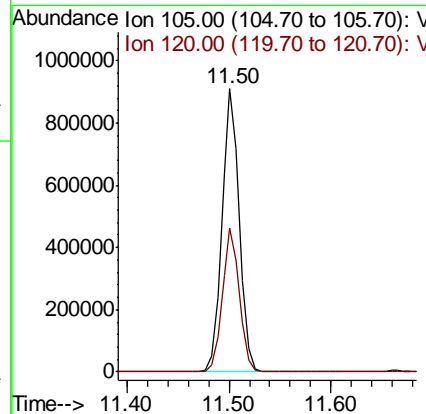
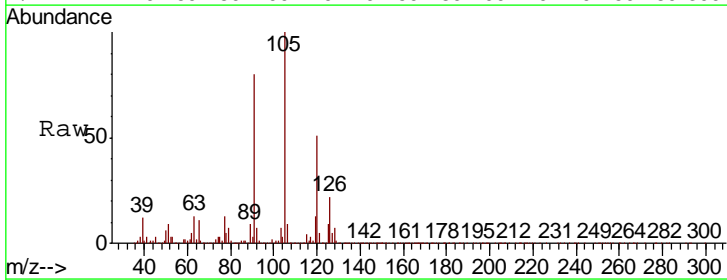
Tgt Ion	Resp	Lower	Upper
91	100		
126	34.7	17.2	51.6

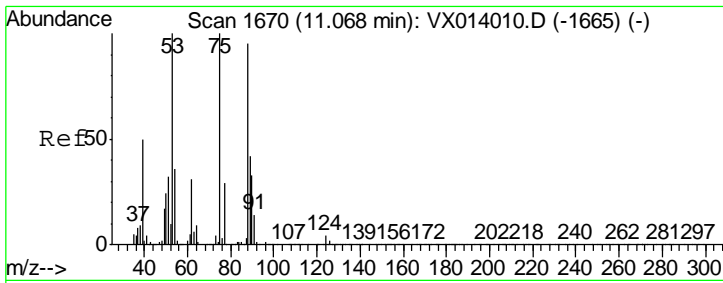
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.178 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.3	25.3	75.8





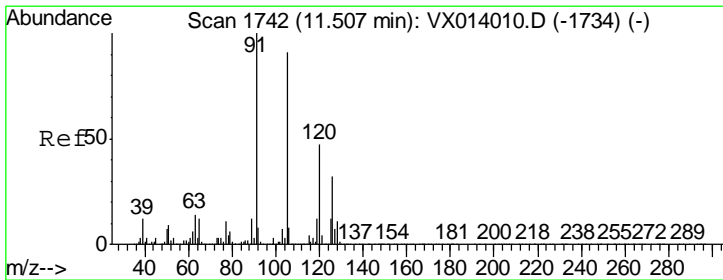
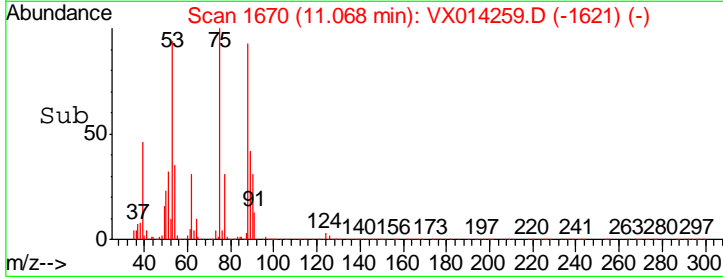
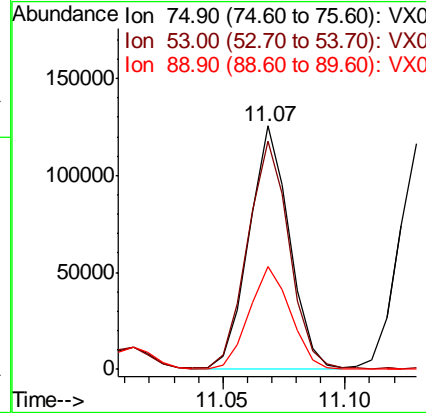
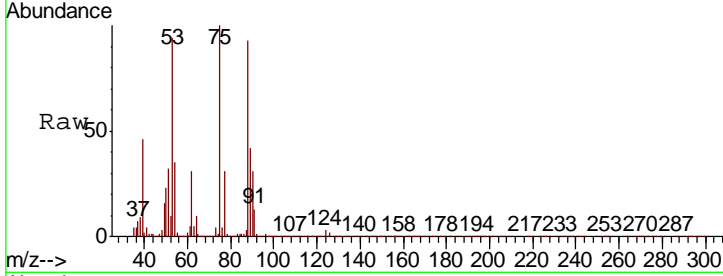
#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.520 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
75	143487		
75	100		
53	96.7	76.7	115.1
89	43.7	34.6	51.8

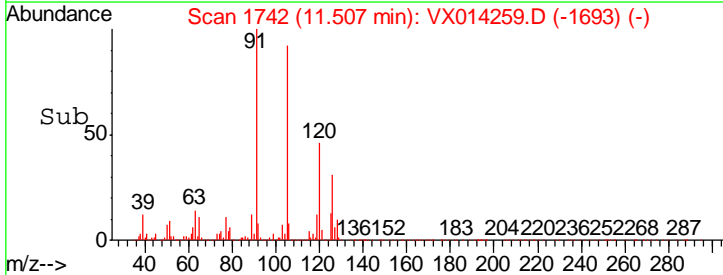
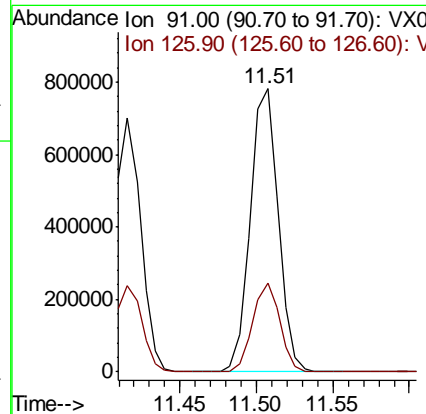
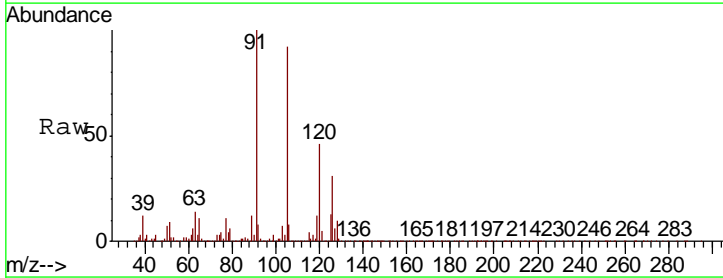
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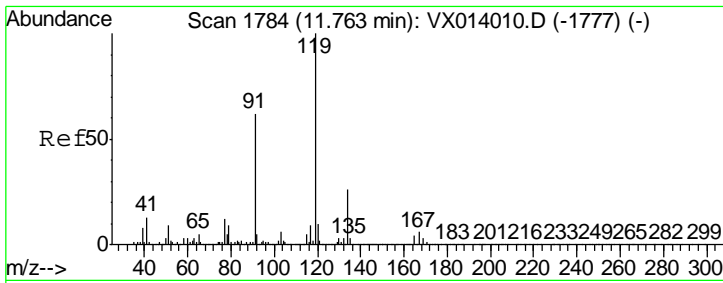
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#82
 4-Chlorotoluene
 Concen: 50.150 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
91	991948		
91	100		
126	30.6	15.6	46.8



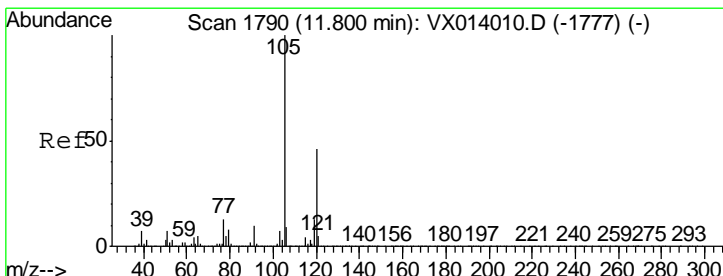
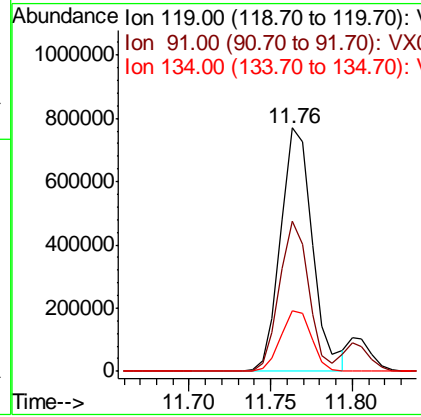
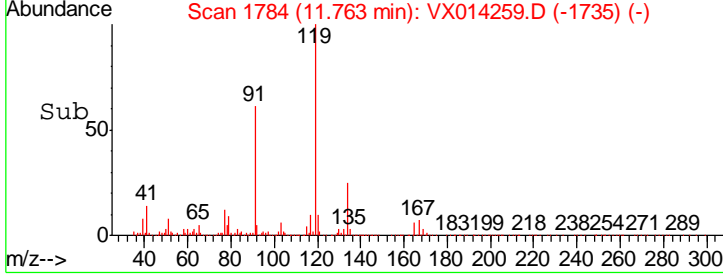
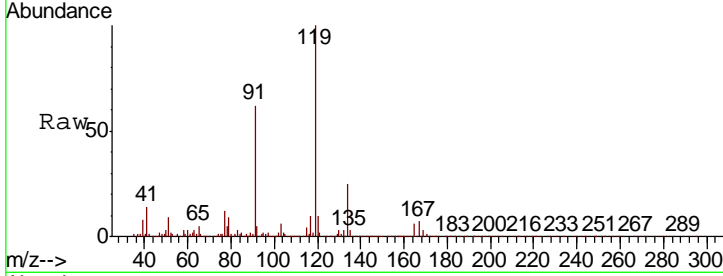


#83
 tert-Butylbenzene
 Concen: 50.640 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

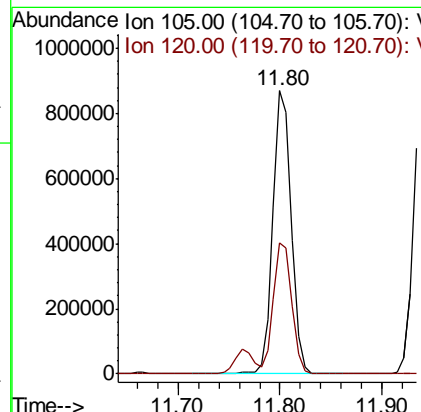
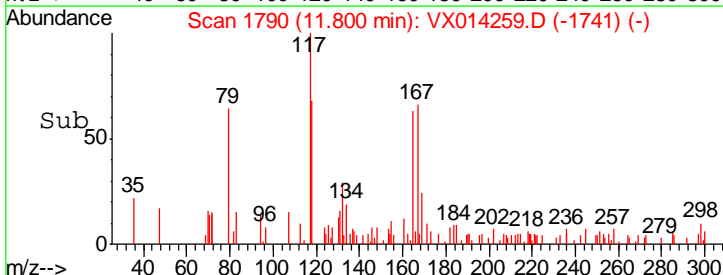
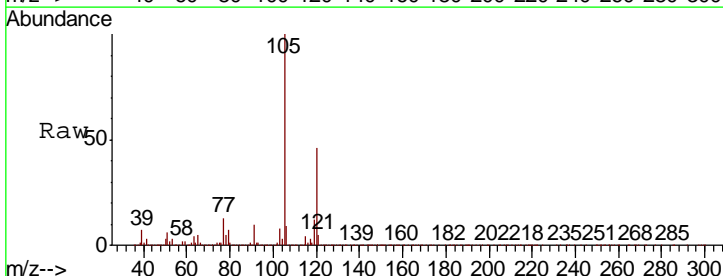
Tgt Ion	Resp	Lower	Upper
119	1037239		
91	56.5	28.5	85.6
134	24.1	12.2	36.6

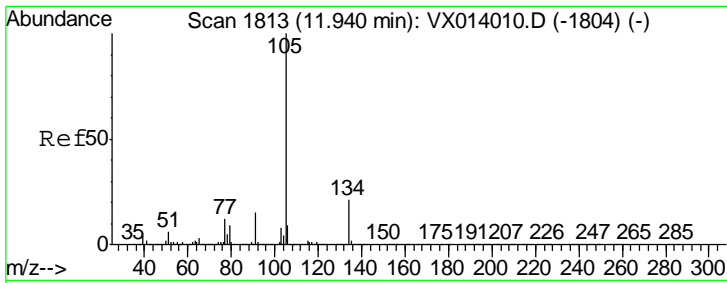
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.299 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
105	1081260		
120	46.4	23.1	69.2





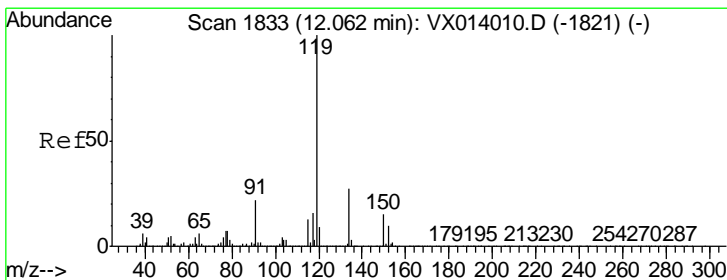
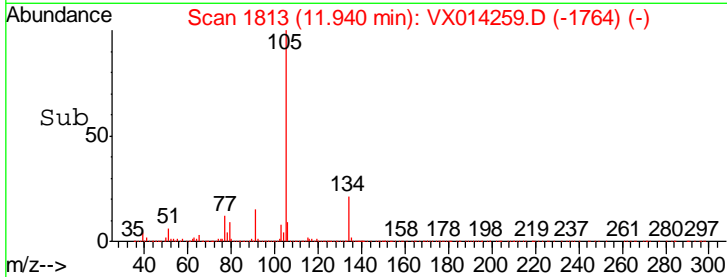
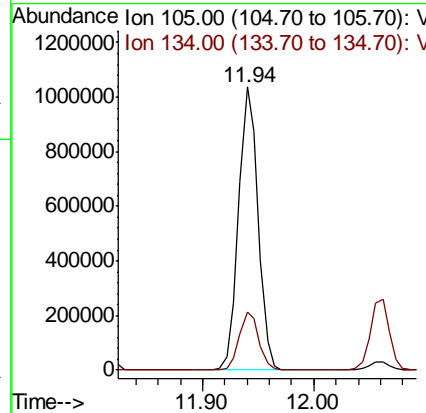
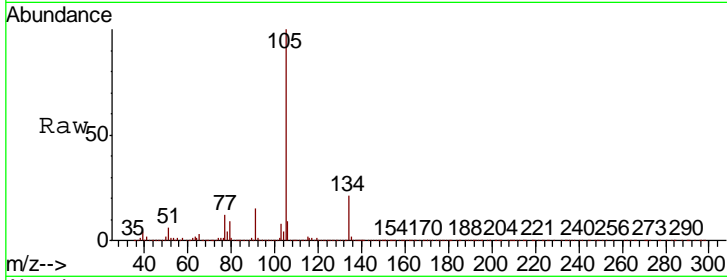
#85
 sec-Butylbenzene
 Concen: 51.911 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
105	1255213		
134	20.5	10.4	31.1

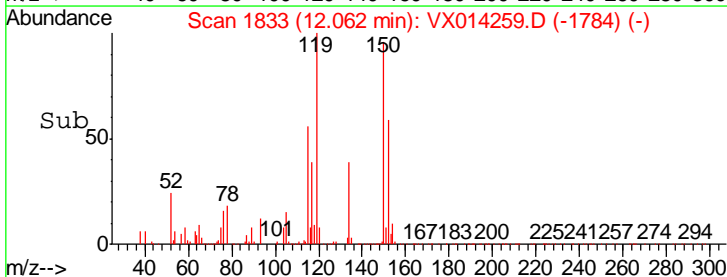
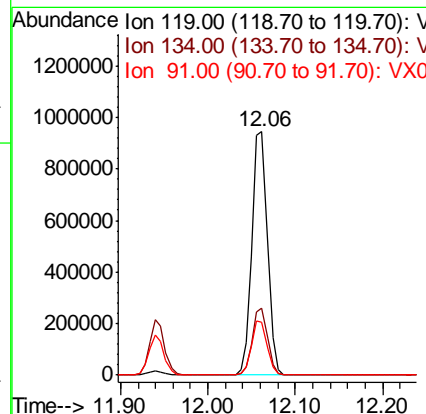
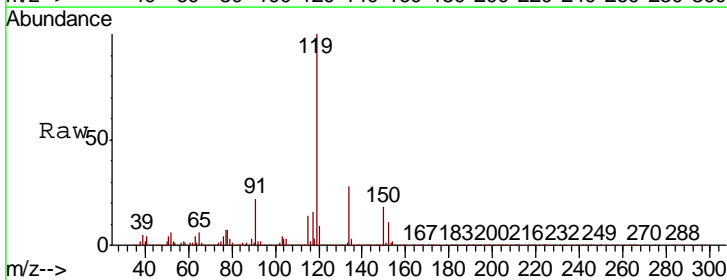
Manual Integrations
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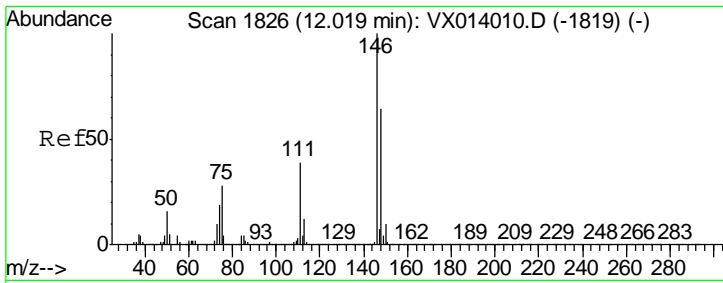
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#86
 p-Isopropyltoluene
 Concen: 52.211 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
119	1154822		
134	26.9	13.4	40.1
91	22.2	11.4	34.1



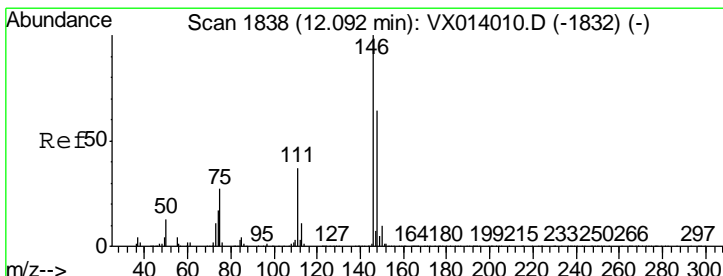
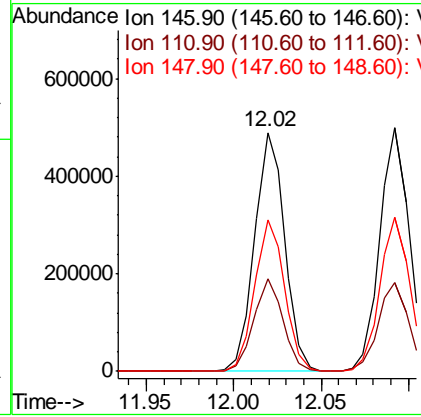
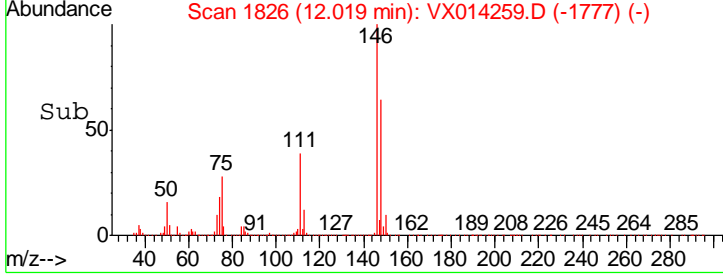
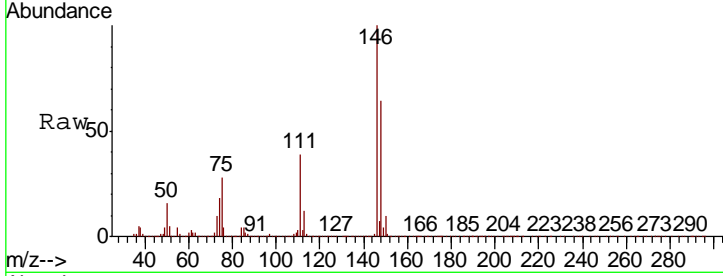


#87
 1,3-Dichlorobenzene
 Concen: 48.810 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

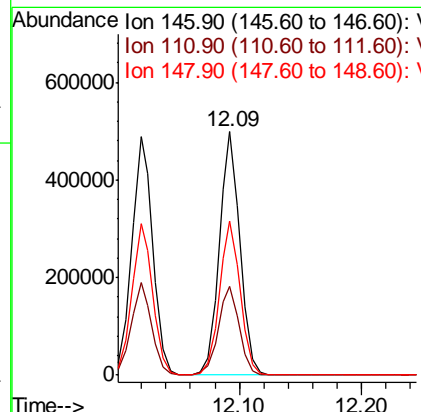
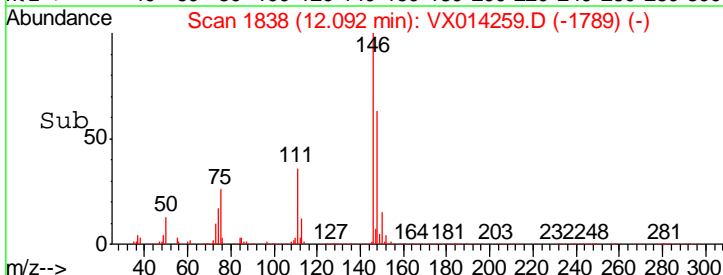
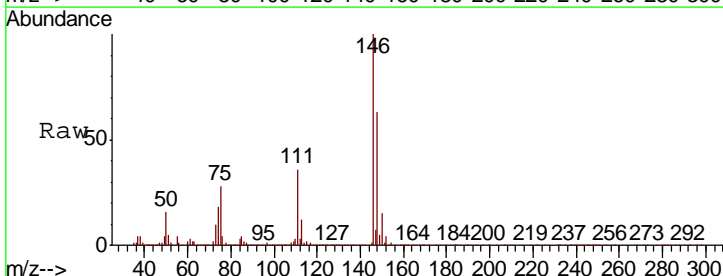
Tgt Ion	Resp	Lower	Upper
146	588617		
111	37.7	19.1	57.1
148	63.2	32.3	96.9

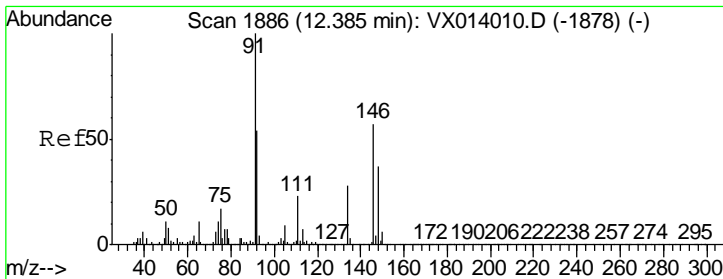
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#88
 1,4-Dichlorobenzene
 Concen: 47.856 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
146	586811		
111	37.1	18.7	56.1
148	63.8	31.9	95.9





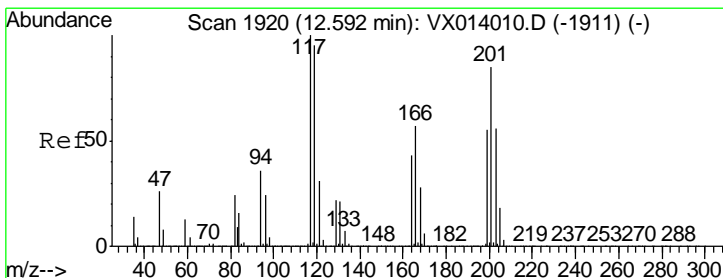
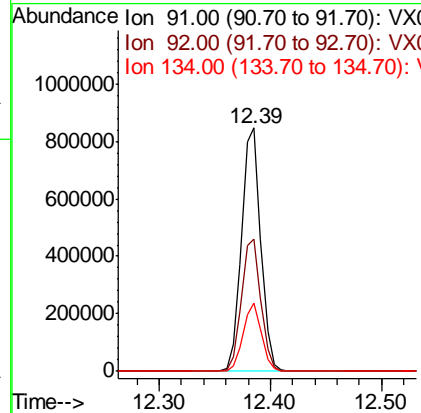
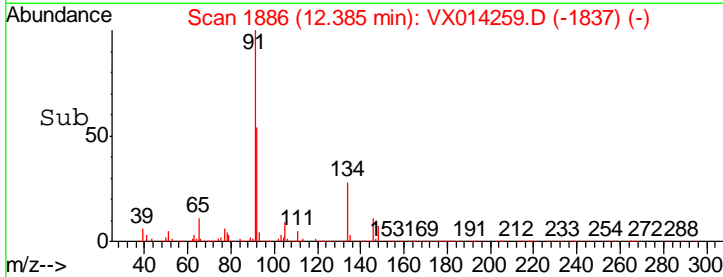
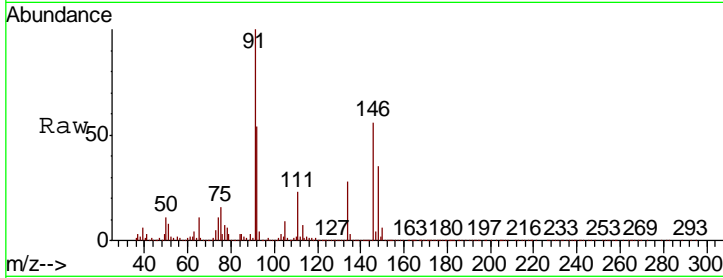
#89
 n-Butylbenzene
 Concen: 53.358 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion: 91 Resp: 1007020

Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.2	81.6
134	26.9	13.4	40.1

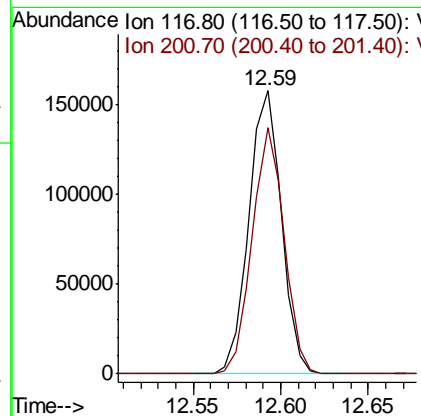
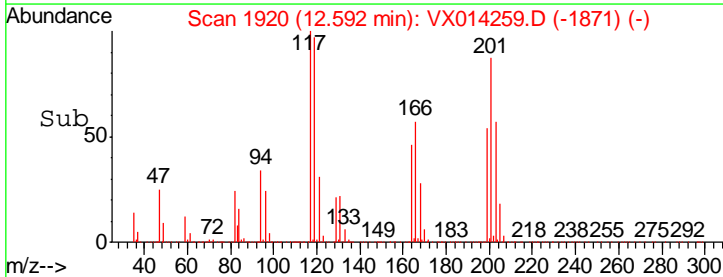
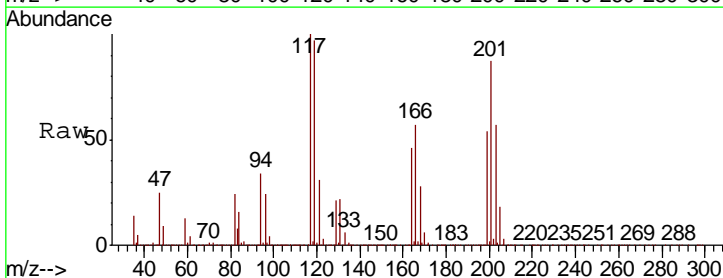
Manual Integrations
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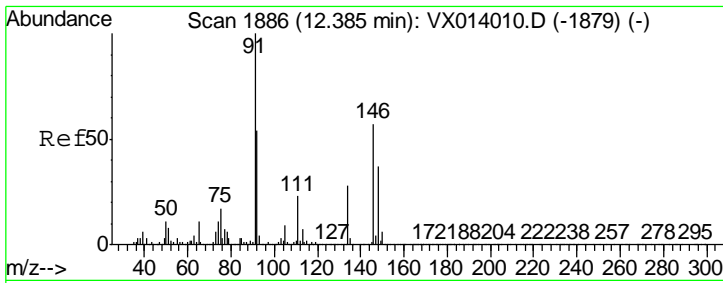


#90
 Hexachloroethane
 Concen: 51.309 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion: 117 Resp: 203845

Ion	Ratio	Lower	Upper
117	100		
201	85.7	43.1	129.3



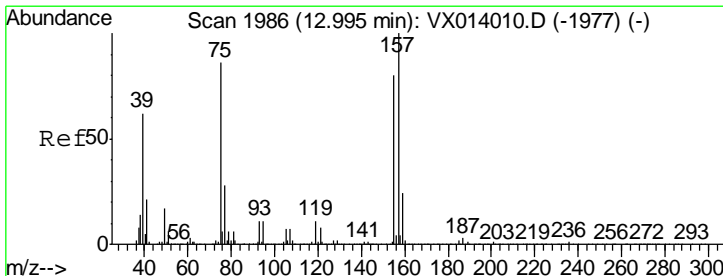
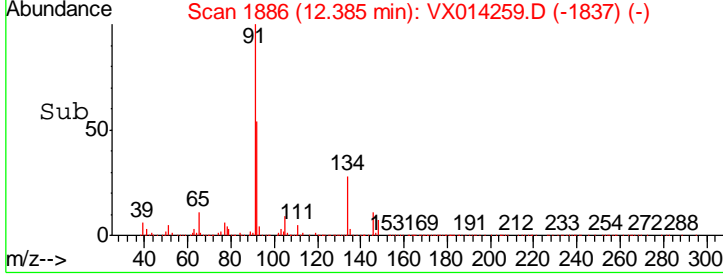
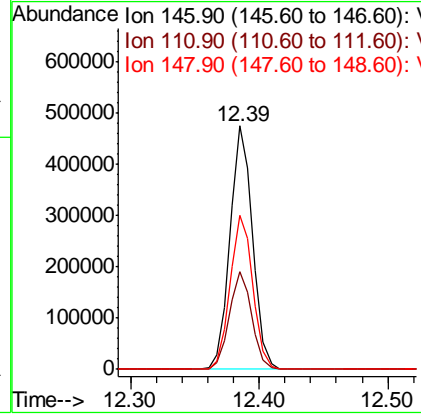
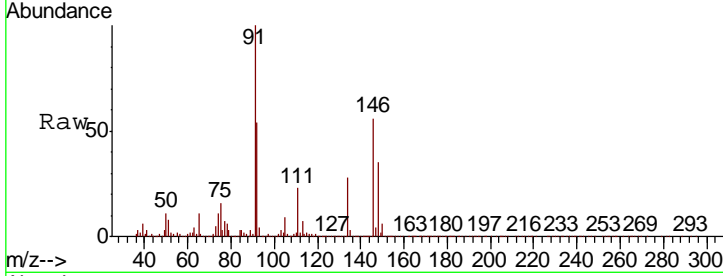


#91
 1,2-Dichlorobenzene
 Concen: 48.080 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

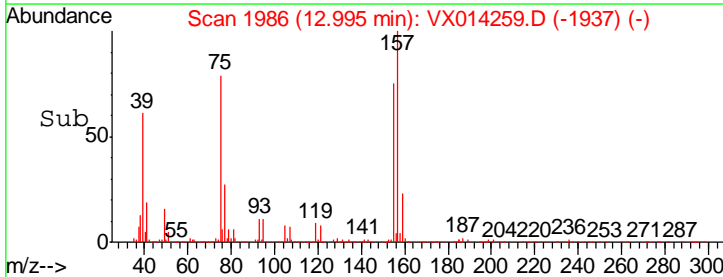
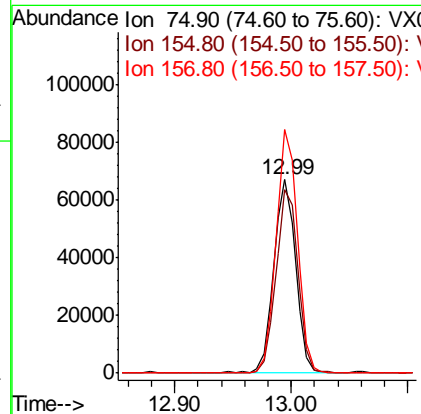
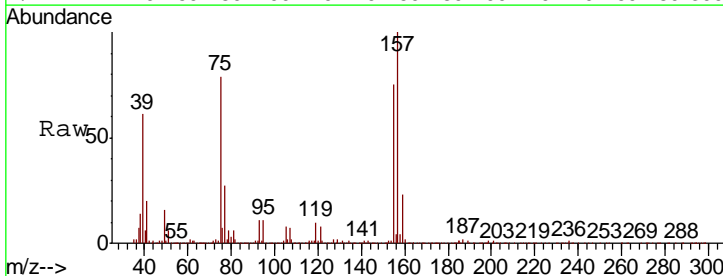
Tgt Ion	Resp	Lower	Upper
146	583672		
146	100		
111	39.9	19.7	59.1
148	63.7	32.1	96.5

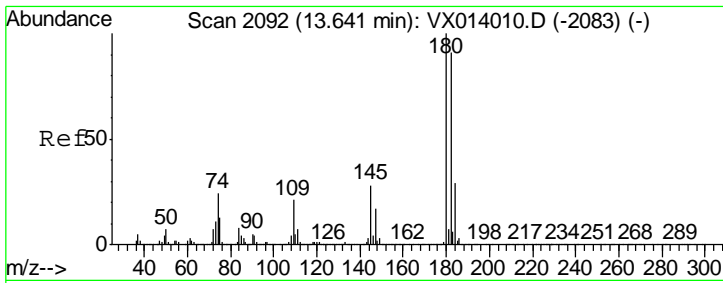
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.664 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
75	85696		
75	100		
155	95.6	46.9	140.6
157	124.3	60.8	182.4



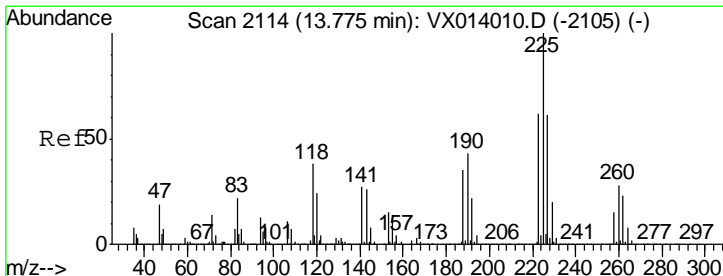
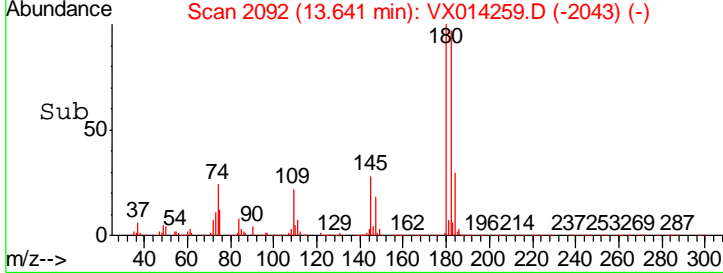
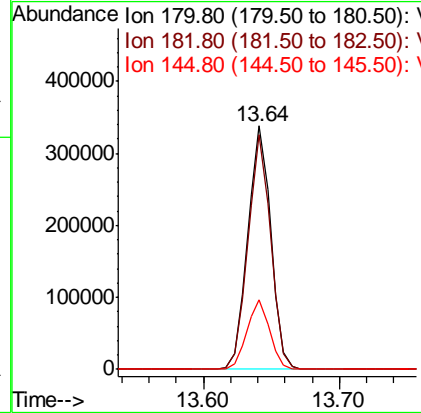
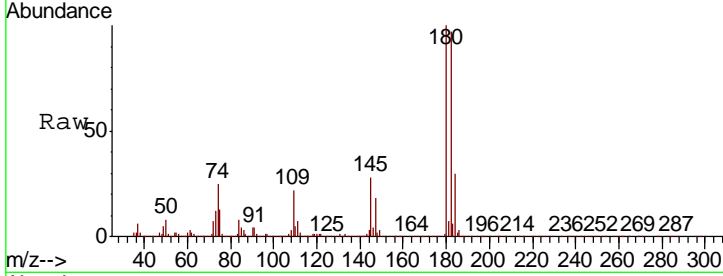


#93
 1,2,4-Trichlorobenzene
 Concen: 50.434 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

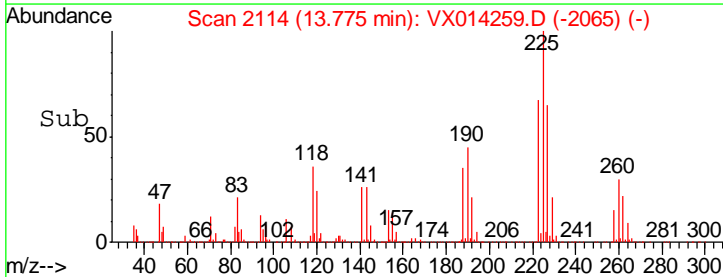
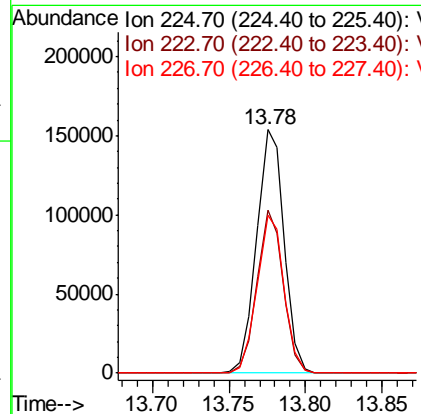
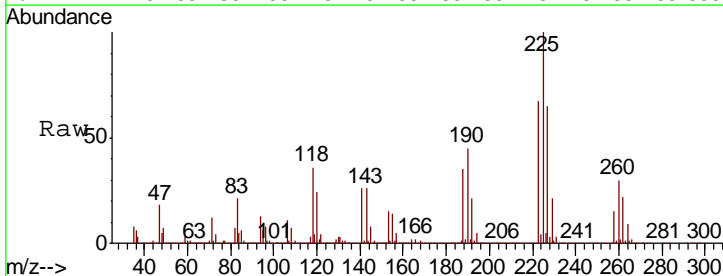
Tgt Ion	Resp	Lower	Upper
180	397932		
182	95.3	46.6	139.8
145	28.1	14.2	42.6

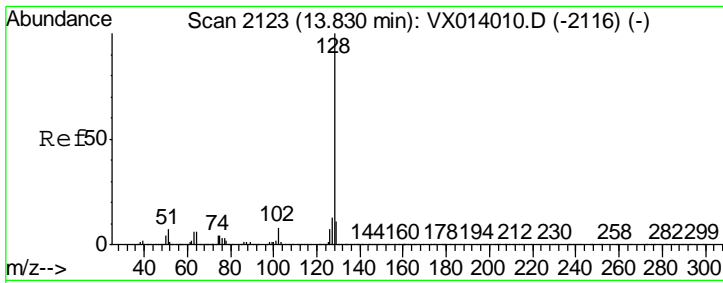
Manual Integrations
APPROVED
 apatel
 12/27/2019 12:03:02 PM



#94
 Hexachlorobutadiene
 Concen: 50.784 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion	Resp	Lower	Upper
225	192573		
223	63.8	30.9	92.5
227	63.6	30.9	92.7





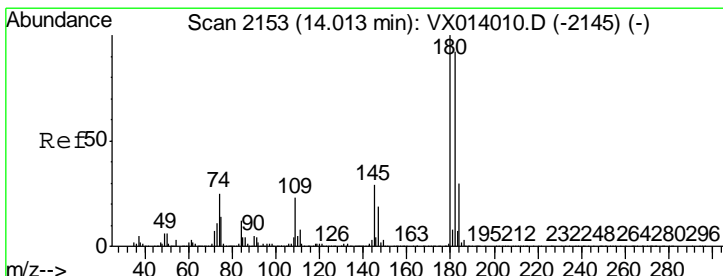
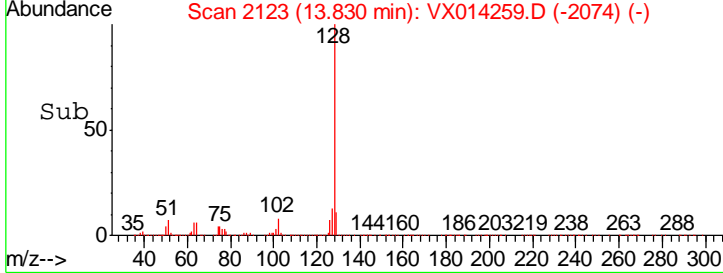
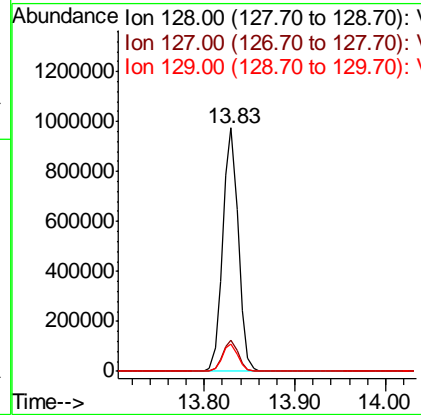
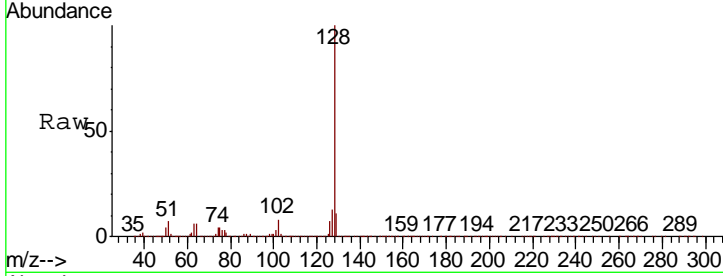
#95
 Naphthalene
 Concen: 50.495 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion: 128 Resp: 1170572

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.7	13.1

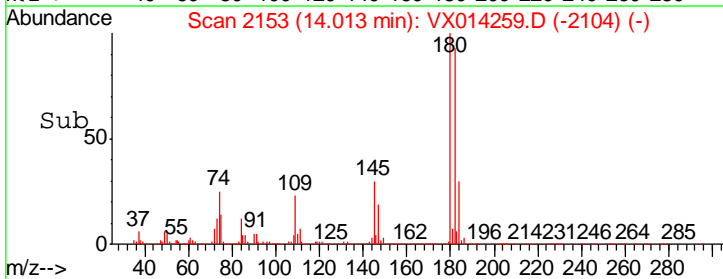
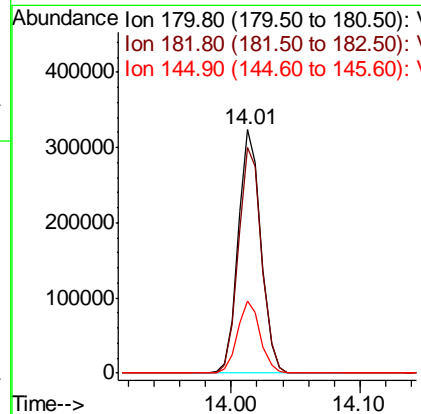
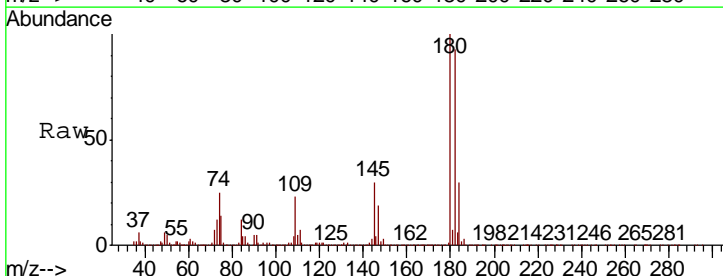
Manual Integrations
APPROVED
 apatel
 12/27/2019 12:03:02 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 51.105 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014259.D
 Acq: 26 Dec 2019 10:46

Tgt Ion: 180 Resp: 398049

Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.8	140.3
145	29.7	14.8	44.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2 T	Dichlorodifluoromethane	0.447	0.402	10.1	86	0.00
3 P	Chloromethane	0.600	0.545	9.2	86	0.00
4 C	Vinyl Chloride	0.633	0.581	8.2#	89	0.00
5 T	Bromomethane	0.450	0.379	15.8	84	0.00
6 T	Chloroethane	0.391	0.376	3.8	93	0.01
7 T	Trichlorofluoromethane	0.784	0.755	3.7	92	0.00
8 T	Diethyl Ether	0.368	0.346	6.0	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.473	0.468	1.1	96	0.00
10 T	Methyl Iodide	0.575	0.581	-1.0	87	0.00
11 T	Tert butyl alcohol	0.122	0.103	15.6	85	-0.02
12 CM	1,1-Dichloroethene	0.481	0.449	6.7#	90	0.00
13 T	Acrolein	0.070	0.074	-5.7	105	0.00
14 T	Allyl chloride	0.859	0.840	2.2	93	0.00
15 T	Acrylonitrile	0.286	0.279	2.4	94	0.00
16 T	Acetone	0.368	0.310	15.8	78	0.00
17 T	Carbon Disulfide	1.418	1.168	17.6	83	0.00
18 T	Methyl Acetate	0.729	0.712	2.3	95	0.00
19 T	Methyl tert-butyl Ether	1.580	1.552	1.8	92	0.00
20 T	Methylene Chloride	0.579	0.531	8.3	93	0.00
21 T	trans-1,2-Dichloroethene	0.530	0.491	7.4	91	0.00
22 T	Diisopropyl ether	1.711	1.750	-2.3	97	0.00
23 T	Vinyl Acetate	1.397	1.455	-4.2	97	0.00
24 P	1,1-Dichloroethane	0.952	0.916	3.8	94	0.00
25 T	2-Butanone	0.454	0.420	7.5	86	0.00
26 T	2,2-Dichloropropane	0.739	0.729	1.4	93	0.00
27 T	cis-1,2-Dichloroethene	0.599	0.573	4.3	93	0.00
28 T	Bromochloromethane	0.332	0.403	-21.4#	100	0.00
29 T	Tetrahydrofuran	0.254	0.246	3.1	93	0.00
30 C	Chloroform	0.903	0.891	1.3#	93	0.00
31 T	Cyclohexane	0.847	0.829	2.1	91	0.00
32 T	1,1,1-Trichloroethane	0.769	0.744	3.3	92	0.00
33 S	1,2-Dichloroethane-d4	0.567	0.497	12.3	83	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35 S	Dibromofluoromethane	0.304	0.277	8.9	83	0.00
36 T	1,1-Dichloropropene	0.459	0.453	1.3	93	0.00
37 T	Ethyl Acetate	0.507	0.508	-0.2	92	0.00
38 T	Carbon Tetrachloride	0.418	0.420	-0.5	91	0.00
39 T	Methylcyclohexane	0.566	0.563	0.5	93	0.00
40 TM	Benzene	1.412	1.385	1.9	93	0.00
41 T	Methacrylonitrile	0.281	0.289	-2.8	97	0.00
42 TM	1,2-Dichloroethane	0.479	0.475	0.8	94	0.00
43 T	Isopropyl Acetate	0.838	0.838	0.0	92	0.00
44 TM	Trichloroethene	0.390	0.375	3.8	94	0.00
45 C	1,2-Dichloropropane	0.362	0.365	-0.8#	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.239	0.230	3.8	92	0.00
47 T	Bromodichloromethane	0.451	0.465	-3.1	95	0.00
48 T	Methyl methacrylate	0.411	0.414	-0.7	92	0.00
49 T	1,4-Dioxane	0.008	0.007	12.5	85	0.00
50 S	Toluene-d8	1.183	1.075	9.1	82	0.00
51 T	4-Methyl-2-Pentanone	0.527	0.519	1.5	91	0.00
52 CM	Toluene	0.892	0.872	2.2#	92	0.00
53 T	t-1,3-Dichloropropene	0.494	0.511	-3.4	91	0.00
54 T	cis-1,3-Dichloropropene	0.550	0.577	-4.9	93	0.00
55 T	1,1,2-Trichloroethane	0.358	0.357	0.3	94	0.00
56 T	Ethyl methacrylate	0.562	0.570	-1.4	90	0.00
57 T	1,3-Dichloropropane	0.602	0.603	-0.2	93	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.226	-6.1	92	0.00
59 T	2-Hexanone	0.424	0.406	4.2	86	0.00
60 T	Dibromochloromethane	0.355	0.373	-5.1	93	0.00
61 T	1,2-Dibromoethane	0.366	0.362	1.1	91	0.00
62 S	4-Bromofluorobenzene	0.433	0.385	11.1	80	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64 T	Tetrachloroethene	0.442	0.436	1.4	92	0.00
65 PM	Chlorobenzene	1.063	1.042	2.0	92	0.00
66 T	1,1,1,2-Tetrachloroethane	0.380	0.390	-2.6	94	0.00
67 C	Ethyl Benzene	1.828	1.845	-0.9#	91	0.00
68 T	m/p-Xylenes	0.703	0.704	-0.1	92	0.00
69 T	o-Xylene	0.689	0.678	1.6	90	0.00
70 T	Styrene	1.166	1.175	-0.8	90	0.00
71 P	Bromoform	0.305	0.313	-2.6	91	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73 T	Isopropylbenzene	3.520	3.588	-1.9	92	0.00
74 T	N-amyl acetate	1.650	1.625	1.5	87	0.00
75 P	1,1,2,2-Tetrachloroethane	1.220	1.180	3.3	88	0.00
76 T	1,2,3-Trichloropropane	1.085	0.965	11.1	78	0.00
77 T	Bromobenzene	0.969	0.920	5.1	91	0.00
78 T	n-propylbenzene	3.949	4.119	-4.3	92	0.00
79 T	2-Chlorotoluene	2.400	2.408	-0.3	91	0.00
80 T	1,3,5-Trimethylbenzene	2.963	3.033	-2.4	92	0.00
81 T	trans-1,4-Dichloro-2-butene	0.385	0.404	-4.9	89	0.00
82 T	4-Chlorotoluene	2.784	2.793	-0.3	92	0.00
83 T	tert-Butylbenzene	2.883	2.920	-1.3	92	0.00
84 T	1,2,4-Trimethylbenzene	2.967	3.044	-2.6	92	0.00
85 T	sec-Butylbenzene	3.404	3.534	-3.8	93	0.00
86 T	p-Isopropyltoluene	3.114	3.251	-4.4	93	0.00
87 T	1,3-Dichlorobenzene	1.698	1.657	2.4	92	0.00
88 T	1,4-Dichlorobenzene	1.726	1.652	4.3	92	0.00
89 T	n-Butylbenzene	2.657	2.835	-6.7	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.559	0.574	-2.7	91	0.00
91 T	1,2-Dichlorobenzene	1.709	1.643	3.9	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.270	0.241	10.7	85	0.00
93 T	1,2,4-Trichlorobenzene	1.111	1.120	-0.8	92	0.00
94 T	Hexachlorobutadiene	0.534	0.542	-1.5	95	0.00
95 T	Naphthalene	3.263	3.296	-1.0	88	0.00
96 T	1,2,3-Trichlorobenzene	1.096	1.121	-2.3	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2 T	Dichlorodifluoromethane	50.000	44.989	10.0	86	0.00
3 P	Chloromethane	50.000	45.355	9.3	86	0.00
4 C	Vinyl Chloride	50.000	45.823	8.4#	89	0.00
5 T	Bromomethane	50.000	42.129	15.7	84	0.00
6 T	Chloroethane	50.000	48.138	3.7	93	0.01
7 T	Trichlorofluoromethane	50.000	48.156	3.7	92	0.00
8 T	Diethyl Ether	50.000	47.011	6.0	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.529	0.9	96	0.00
10 T	Methyl Iodide	50.000	46.759	6.5	87	0.00
11 T	Tert butyl alcohol	250.000	210.663	15.7	85	-0.02
12 CM	1,1-Dichloroethene	50.000	46.676	6.6#	90	0.00
13 T	Acrolein	250.000	262.503	-5.0	105	0.00
14 T	Allyl chloride	50.000	48.908	2.2	93	0.00
15 T	Acrylonitrile	250.000	243.663	2.5	94	0.00
16 T	Acetone	250.000	210.531	15.8	78	0.00
17 T	Carbon Disulfide	50.000	43.833	12.3	83	0.00
18 T	Methyl Acetate	50.000	48.835	2.3	95	0.00
19 T	Methyl tert-butyl Ether	50.000	49.088	1.8	92	0.00
20 T	Methylene Chloride	50.000	45.794	8.4	93	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.333	7.3	91	0.00
22 T	Diisopropyl ether	50.000	51.143	-2.3	97	0.00
23 T	Vinyl Acetate	250.000	260.485	-4.2	97	0.00
24 P	1,1-Dichloroethane	50.000	48.105	3.8	94	0.00
25 T	2-Butanone	250.000	231.299	7.5	86	0.00
26 T	2,2-Dichloropropane	50.000	49.340	1.3	93	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.774	4.5	93	0.00
28 T	Bromochloromethane	50.000	54.948	-9.9	100	0.00
29 T	Tetrahydrofuran	250.000	242.455	3.0	93	0.00
30 C	Chloroform	50.000	49.363	1.3#	93	0.00
31 T	Cyclohexane	50.000	48.941	2.1	91	0.00
32 T	1,1,1-Trichloroethane	50.000	48.348	3.3	92	0.00
33 S	1,2-Dichloroethane-d4	50.000	43.809	12.4	83	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35 S	Dibromofluoromethane	50.000	45.537	8.9	83	0.00
36 T	1,1-Dichloropropene	50.000	49.343	1.3	93	0.00
37 T	Ethyl Acetate	50.000	50.176	-0.4	92	0.00
38 T	Carbon Tetrachloride	50.000	50.248	-0.5	91	0.00
39 T	Methylcyclohexane	50.000	49.678	0.6	93	0.00
40 TM	Benzene	50.000	49.062	1.9	93	0.00
41 T	Methacrylonitrile	50.000	51.360	-2.7	97	0.00
42 TM	1,2-Dichloroethane	50.000	49.676	0.6	94	0.00
43 T	Isopropyl Acetate	50.000	49.975	0.0	92	0.00
44 TM	Trichloroethene	50.000	48.112	3.8	94	0.00
45 C	1,2-Dichloropropane	50.000	50.472	-0.9#	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	48.059	3.9	92	0.00
47 T	Bromodichloromethane	50.000	51.599	-3.2	95	0.00
48 T	Methyl methacrylate	50.000	50.461	-0.9	92	0.00
49 T	1,4-Dioxane	1000.000	881.867	11.8	85	0.00
50 S	Toluene-d8	50.000	45.406	9.2	82	0.00
51 T	4-Methyl-2-Pentanone	250.000	246.356	1.5	91	0.00
52 CM	Toluene	50.000	48.848	2.3#	92	0.00
53 T	t-1,3-Dichloropropene	50.000	51.764	-3.5	91	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.417	-4.8	93	0.00
55 T	1,1,2-Trichloroethane	50.000	49.937	0.1	94	0.00
56 T	Ethyl methacrylate	50.000	50.704	-1.4	90	0.00
57 T	1,3-Dichloropropane	50.000	50.071	-0.1	93	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	265.501	-6.2	92	0.00
59 T	2-Hexanone	250.000	239.748	4.1	86	0.00
60 T	Dibromochloromethane	50.000	52.437	-4.9	93	0.00
61 T	1,2-Dibromoethane	50.000	49.510	1.0	91	0.00
62 S	4-Bromofluorobenzene	50.000	44.468	11.1	80	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64 T	Tetrachloroethene	50.000	49.300	1.4	92	0.00
65 PM	Chlorobenzene	50.000	49.025	2.0	92	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.343	-2.7	94	0.00
67 C	Ethyl Benzene	50.000	50.464	-0.9#	91	0.00
68 T	m/p-Xylenes	100.000	100.167	-0.2	92	0.00
69 T	o-Xylene	50.000	49.185	1.6	90	0.00
70 T	Styrene	50.000	50.396	-0.8	90	0.00
71 P	Bromoform	50.000	51.356	-2.7	91	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73 T	Isopropylbenzene	50.000	50.955	-1.9	92	0.00
74 T	N-amyl acetate	50.000	49.227	1.5	87	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.350	3.3	88	0.00
76 T	1,2,3-Trichloropropane	50.000	44.454	11.1	78	0.00
77 T	Bromobenzene	50.000	47.507	5.0	91	0.00
78 T	n-propylbenzene	50.000	52.162	-4.3	92	0.00
79 T	2-Chlorotoluene	50.000	50.159	-0.3	91	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.178	-2.4	92	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.520	-5.0	89	0.00
82 T	4-Chlorotoluene	50.000	50.150	-0.3	92	0.00
83 T	tert-Butylbenzene	50.000	50.640	-1.3	92	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.299	-2.6	92	0.00
85 T	sec-Butylbenzene	50.000	51.911	-3.8	93	0.00
86 T	p-Isopropyltoluene	50.000	52.211	-4.4	93	0.00
87 T	1,3-Dichlorobenzene	50.000	48.810	2.4	92	0.00
88 T	1,4-Dichlorobenzene	50.000	47.856	4.3	92	0.00
89 T	n-Butylbenzene	50.000	53.358	-6.7	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122619\
 Data File : VX014259.D
 Acq On : 26 Dec 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 27 06:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	51.309	-2.6	91	0.00
91 T	1,2-Dichlorobenzene	50.000	48.080	3.8	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.664	10.7	85	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.434	-0.9	92	0.00
94 T	Hexachlorobutadiene	50.000	50.784	-1.6	95	0.00
95 T	Naphthalene	50.000	50.495	-1.0	88	0.00
96 T	1,2,3-Trichlorobenzene	50.000	51.105	-2.2	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG No.: K6405
 Instrument ID: MSVOA_X Calibration Date/Time: 12/27/2019 12:03
 Lab File ID: VX014302.D Init. Calib. Date(s): 12/13/2019 12/13/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:49 16:45
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.447	0.397		-11.19	20
Chloromethane	0.600	0.535	0.1	-10.83	20
Vinyl Chloride	0.633	0.579		-8.53	20
Bromomethane	0.450	0.398		-11.56	20
Chloroethane	0.391	0.369		-5.63	20
Trichlorofluoromethane	0.784	0.749		-4.46	20
1,1,2-Trichlorotrifluoroethane	0.473	0.464		-1.9	20
1,1-Dichloroethene	0.481	0.454		-5.61	20
Acetone	0.368	0.300		-18.48	20
Carbon Disulfide	1.418	1.161		-18.12	20
Methyl tert-butyl Ether	1.580	1.556		-1.52	20
Methyl Acetate	0.729	0.718		-1.51	20
Methylene Chloride	0.579	0.531		-8.29	20
trans-1,2-Dichloroethene	0.530	0.495		-6.6	20
1,1-Dichloroethane	0.952	0.917	0.1	-3.68	20
Cyclohexane	0.847	0.840		-0.83	20
2-Butanone	0.454	0.427		-5.95	20
Carbon Tetrachloride	0.418	0.420		0.48	20
cis-1,2-Dichloroethene	0.599	0.575		-4.01	20
Bromochloromethane	0.332	0.385		15.96	20
Chloroform	0.903	0.897		-0.66	20
1,1,1-Trichloroethane	0.769	0.747		-2.86	20
Methylcyclohexane	0.566	0.568		0.35	20
Benzene	1.412	1.380		-2.27	20
1,2-Dichloroethane	0.479	0.471		-1.67	20
Trichloroethene	0.390	0.380		-2.56	20
1,2-Dichloropropane	0.362	0.367		1.38	20
Bromodichloromethane	0.451	0.464		2.88	20
4-Methyl-2-Pentanone	0.527	0.521		-1.14	20
Toluene	0.892	0.865		-3.03	20
t-1,3-Dichloropropene	0.494	0.515		4.25	20
cis-1,3-Dichloropropene	0.550	0.575		4.55	20
1,1,2-Trichloroethane	0.358	0.356		-0.56	20
2-Hexanone	0.424	0.413		-2.59	20
Dibromochloromethane	0.355	0.368		3.66	20
1,2-Dibromoethane	0.366	0.367		0.27	20
Tetrachloroethene	0.442	0.433		-2.04	20
Chlorobenzene	1.063	1.039	0.3	-2.26	20
Ethyl Benzene	1.828	1.839		0.6	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: K6405 SAS No.: K6405 SDG No.: K6405
 Instrument ID: MSVOA_X Calibration Date/Time: 12/27/2019 12:03
 Lab File ID: VX014302.D Init. Calib. Date(s): 12/13/2019 12/13/2019
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:49 16:45
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.703	0.708		0.71	20
o-Xylene	0.689	0.676		-1.89	20
Styrene	1.166	1.172		0.51	20
Bromoform	0.305	0.315	0.1	3.28	20
Isopropylbenzene	3.520	3.491		-0.82	20
1,1,2,2-Tetrachloroethane	1.220	1.142	0.3	-6.39	20
1,3-Dichlorobenzene	1.698	1.597		-5.95	20
1,4-Dichlorobenzene	1.726	1.612		-6.61	20
1,2-Dichlorobenzene	1.709	1.602		-6.26	20
1,2-Dibromo-3-Chloropropane	0.270	0.234		-13.33	20
1,2,4-Trichlorobenzene	1.111	1.121		0.9	20
1,2,3-Trichlorobenzene	1.096	1.094		-0.18	20
1,2-Dichloroethane-d4	0.567	0.545		-3.88	20
Dibromofluoromethane	0.304	0.307		0.99	20
Toluene-d8	1.183	1.182		-0.09	20
4-Bromofluorobenzene	0.433	0.425		-1.85	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:04:07 AM

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	510192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	769144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	696368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	361319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	278215	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	5.48	113	235748	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	8.71	98	909303	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.13	95	326756	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	202483	44.362	ug/l	100
3) Chloromethane	1.32	50	273142	44.592	ug/l	100
4) Vinyl Chloride	1.40	62	295345	45.695	ug/l	99
5) Bromomethane	1.63	94	202838	44.216	ug/l	100
6) Chloroethane	1.72	64	188310	47.206	ug/l	97
7) Trichlorofluoromethane	1.92	101	382126	47.759	ug/l	100
8) Diethyl Ether	2.18	74	173047	46.084	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	236741	49.085	ug/l	100
10) Methyl Iodide	2.50	142	290424	45.888	ug/l	99
11) Tert butyl alcohol	3.03	59	261977	209.678	ug/l	100
12) 1,1-Dichloroethene	2.37	96	231823	47.236	ug/l	96
13) Acrolein	2.28	56	201883	282.270	ug/l	99
14) Allyl chloride	2.72	41	432818	49.394	ug/l	99
15) Acrylonitrile	3.13	53	715826	245.461	ug/l	99
16) Acetone	2.43	43	764744	203.716	ug/l	98
17) Carbon Disulfide	2.56	76	592351	43.574	ug/l	100
18) Methyl Acetate	2.76	43	366392	49.255	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	793977	49.233	ug/l	97
20) Methylene Chloride	2.85	84	270724	45.796	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	252512	46.703	ug/l	99
22) Diisopropyl ether	3.84	45	894400	51.221	ug/l	94
23) Vinyl Acetate	3.80	43	3757693	263.703	ug/l	100
24) 1,1-Dichloroethane	3.69	63	467771	48.150	ug/l	99
25) 2-Butanone	4.65	43	1089009	235.299	ug/l	99
26) 2,2-Dichloropropane	4.57	77	377452	50.041	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	293117	47.936	ug/l	99
28) Bromochloromethane	5.00	49	196351	52.530	ug/l	94
29) Tetrahydrofuran	5.11	42	639059	246.868	ug/l	98
30) Chloroform	5.20	83	457822	49.712	ug/l	100
31) Cyclohexane	5.57	56	428807	49.628	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	380981	48.538	ug/l	99
36) 1,1-Dichloropropene	5.79	75	344263	48.781	ug/l	99
37) Ethyl Acetate	4.81	43	387439	49.714	ug/l	99
38) Carbon Tetrachloride	5.78	117	323039	50.246	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
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apatel
 12/30/2019 11:04:07 AM

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	436509	50.092	ug/l	98
40) Benzene	6.13	78	1061404	48.880	ug/l	99
41) Methacrylonitrile	5.02	41	215057	49.734	ug/l	99
42) 1,2-Dichloroethane	6.18	62	362562	49.256	ug/l	99
43) Isopropyl Acetate	6.43	43	646037	50.090	ug/l	99
44) Trichloroethene	7.20	130	291949	48.676	ug/l	98
45) 1,2-Dichloropropane	7.51	63	282569	50.770	ug/l	98
46) Dibromomethane	7.65	93	176019	47.835	ug/l	99
47) Bromodichloromethane	7.89	83	356751	51.478	ug/l	98
48) Methyl methacrylate	7.76	41	318511	50.433	ug/l	98
49) 1,4-Dioxane	7.73	88	113638	884.184	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2003693	247.374	ug/l	99
52) Toluene	8.78	92	665377	48.479	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	396477	52.175	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	442272	52.242	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	273574	49.733	ug/l	98
56) Ethyl methacrylate	9.17	69	436608	50.528	ug/l	100
57) 1,3-Dichloropropane	9.36	76	462008	49.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	899003	274.920	ug/l	99
59) 2-Hexanone	9.48	43	1587018	243.392	ug/l	100
60) Dibromochloromethane	9.57	129	283107	51.776	ug/l	99
61) 1,2-Dibromoethane	9.67	107	282109	50.124	ug/l	99
64) Tetrachloroethene	9.33	164	301519	48.932	ug/l	98
65) Chlorobenzene	10.14	112	723465	48.861	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	266696	50.446	ug/l	99
67) Ethyl Benzene	10.25	91	1280881	50.318	ug/l	98
68) m/p-Xylenes	10.35	106	986317	100.741	ug/l	100
69) o-Xylene	10.70	106	470550	49.004	ug/l	98
70) Styrene	10.71	104	815836	50.245	ug/l	99
71) Bromoform	10.85	173	219667	51.690	ug/l #	99
73) Isopropylbenzene	11.01	105	1261263	49.579	ug/l	100
74) N-amyl acetate	10.89	43	577863	48.460	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	412518	46.772	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	339009m	43.218	ug/l	
77) Bromobenzene	11.25	156	322167	46.028	ug/l	98
78) n-propylbenzene	11.35	91	1465712	51.365	ug/l	100
79) 2-Chlorotoluene	11.42	91	849140	48.954	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1060635	49.539	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	138352	49.782	ug/l	98
82) 4-Chlorotoluene	11.51	91	983077	48.860	ug/l	99
83) tert-Butylbenzene	11.76	119	1029302	49.401	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1071108	49.956	ug/l	100
85) sec-Butylbenzene	11.94	105	1245994	50.657	ug/l	100
86) p-Isopropyltoluene	12.06	119	1151562	51.181	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	576954	47.033	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	582380	46.690	ug/l	99
89) n-Butylbenzene	12.39	91	1015702	52.906	ug/l	99
90) Hexachloroethane	12.59	117	200969	49.728	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	578948	46.883	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	84504	43.297	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:04:07 AM

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	404910	50.448	ug/l	98
94) Hexachlorobutadiene	13.77	225	193859	50.257	ug/l	96
95) Naphthalene	13.83	128	1186498	50.315	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	395211	49.881	ug/l	98

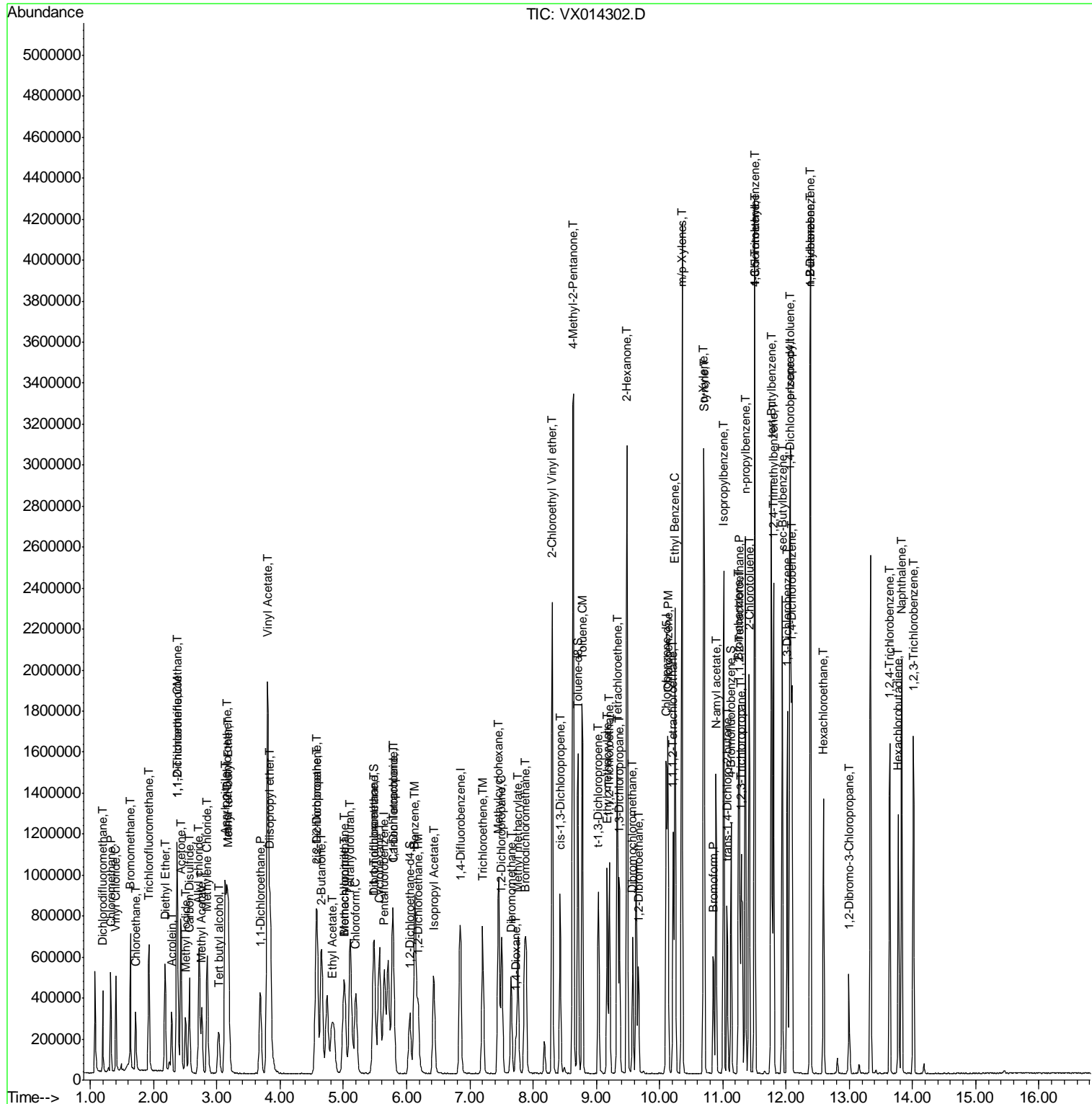
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

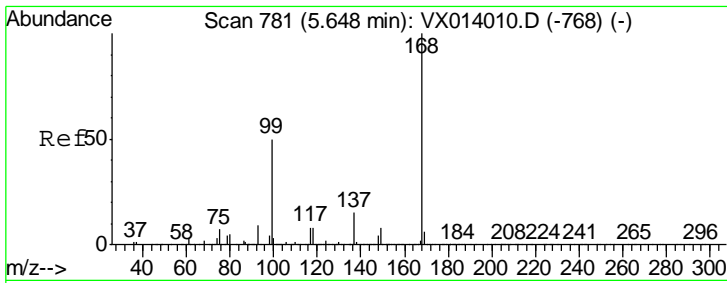
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDCCC050

Manual Integrations
 APPROVED
 apatel
 12/30/2019 11:04:07 AM

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



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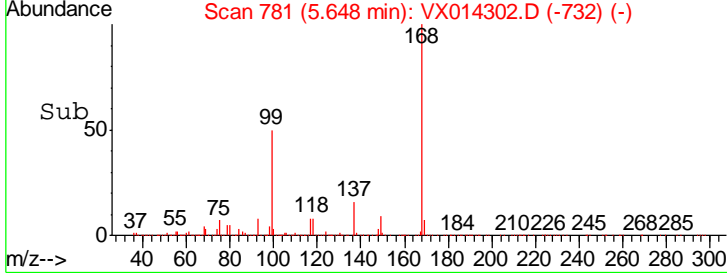
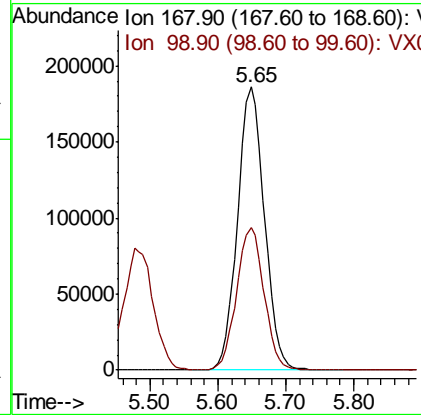
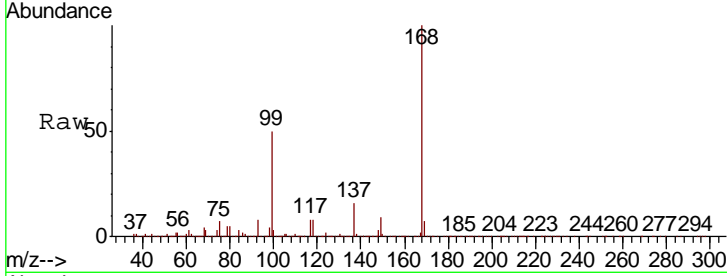


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
168	510192		
99	50.1	40.3	60.5

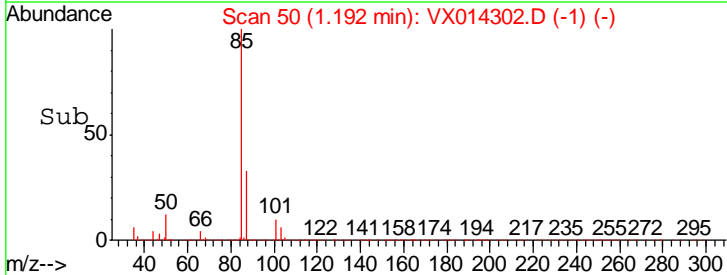
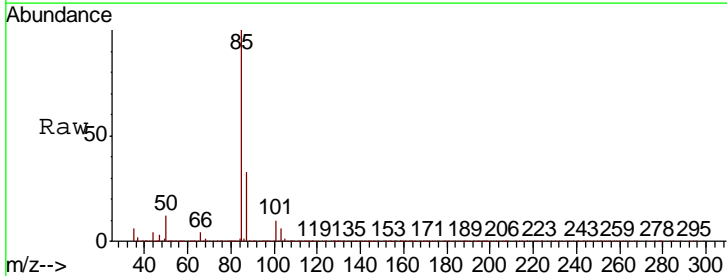
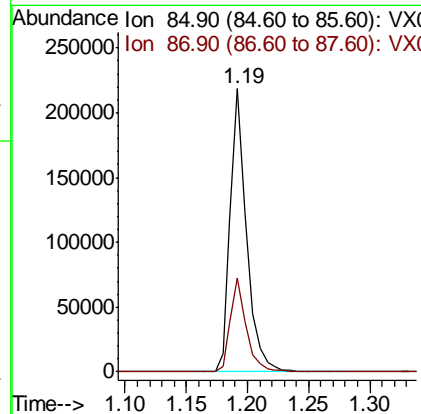
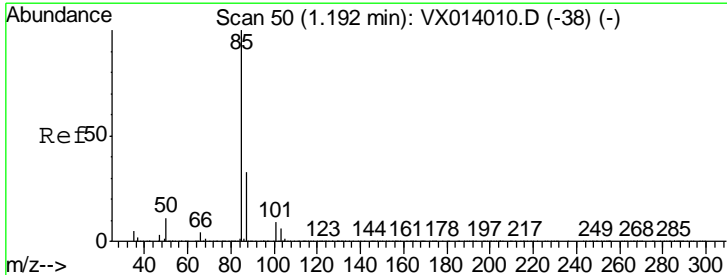
Instrument : MSVOA_X
 Client Sampled : VSTDC050

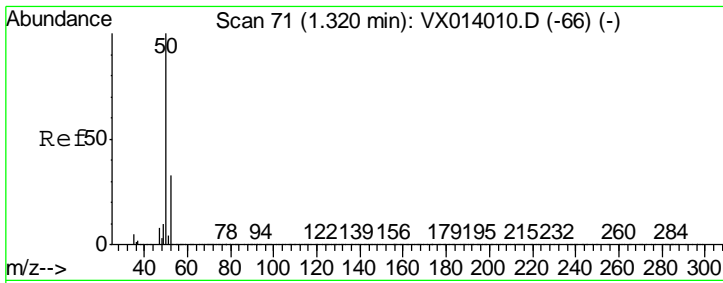
Manual Integrations APPROVED
 apatel
 12/30/2019 11:04:07 AM



#2
 Dichlorodifluoromethane
 Concen: 44.362 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
85	202483		
87	33.0	16.4	49.2





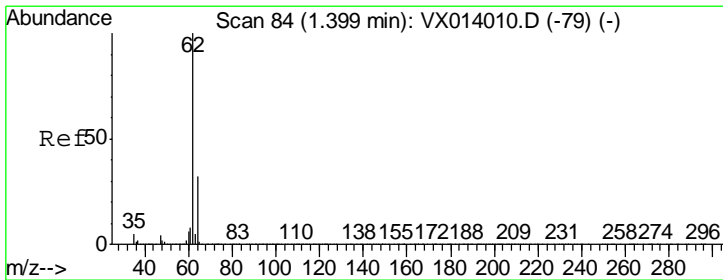
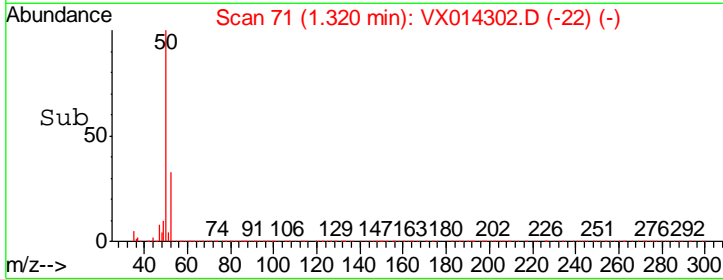
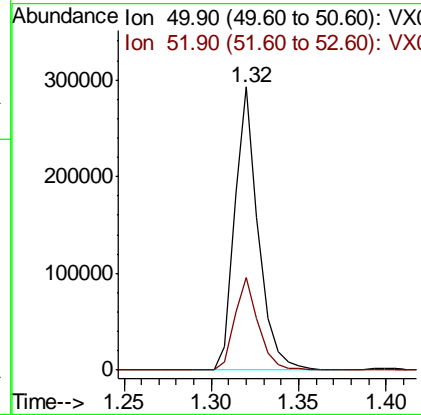
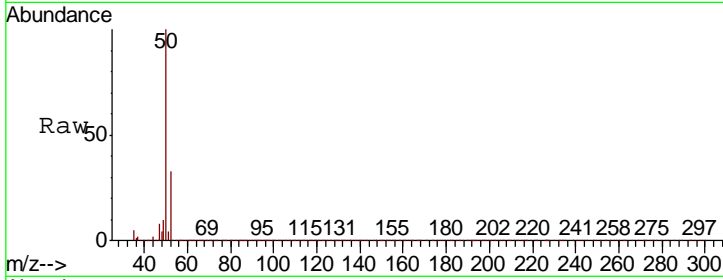
#3
 Chloromethane
 Concen: 44.592 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion: 50 Resp: 273142

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.2	39.4

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

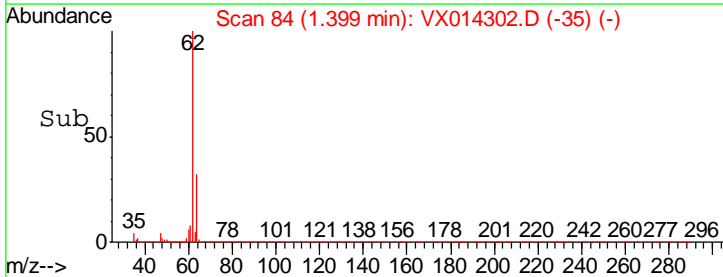
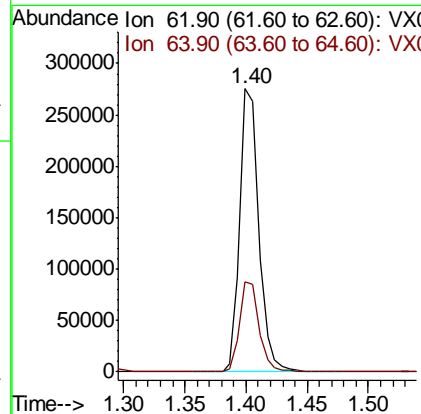
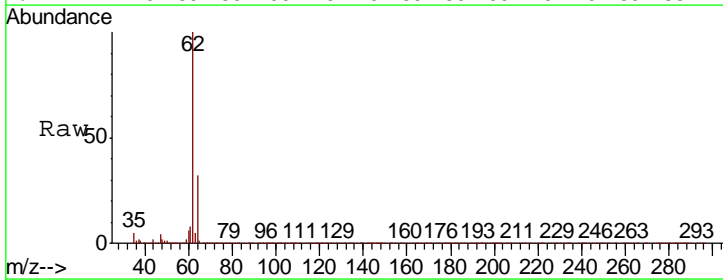
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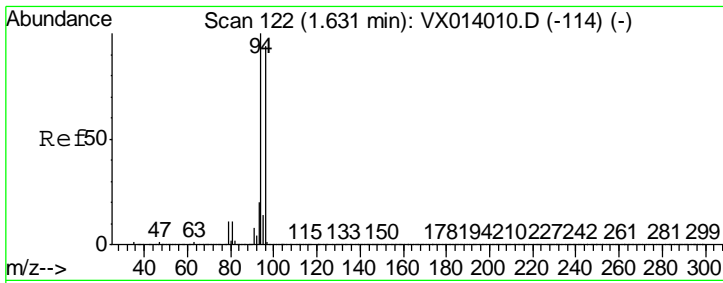


#4
 Vinyl Chloride
 Concen: 45.695 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion: 62 Resp: 295345

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.7	38.5



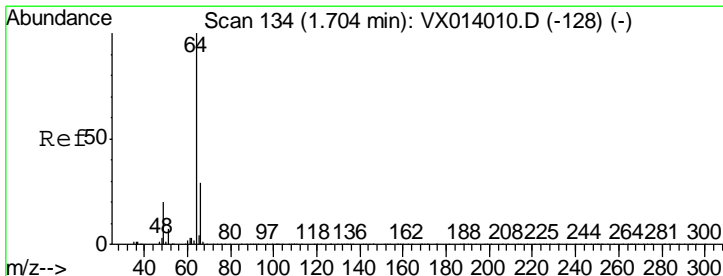
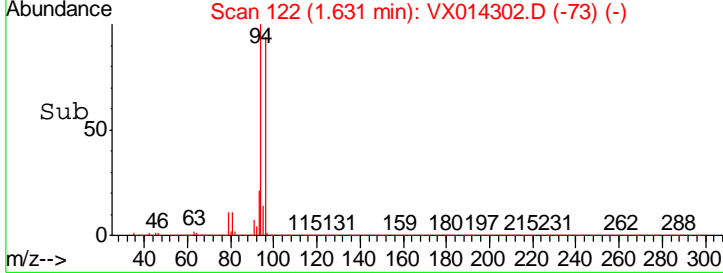
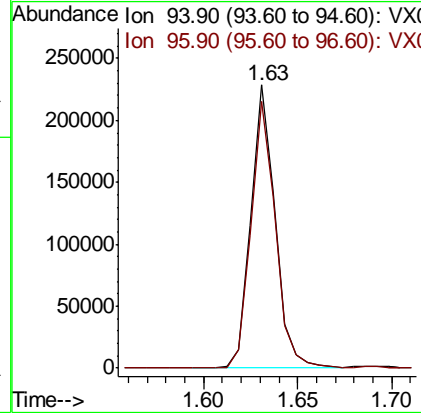
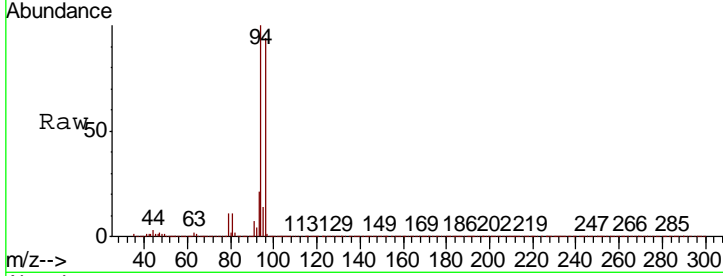


#5
 Bromomethane
 Concen: 44.216 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.3	75.2	112.8

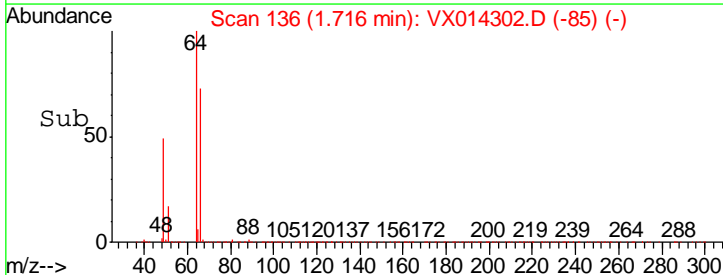
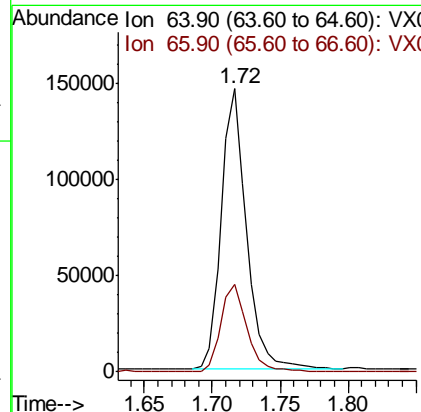
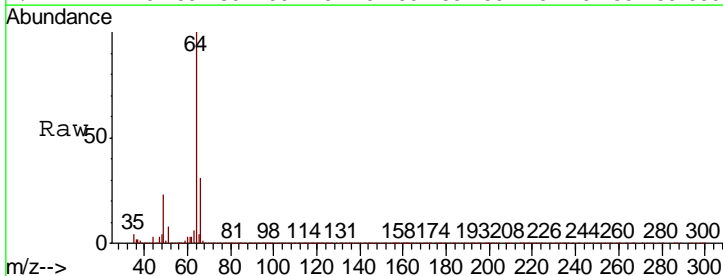
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

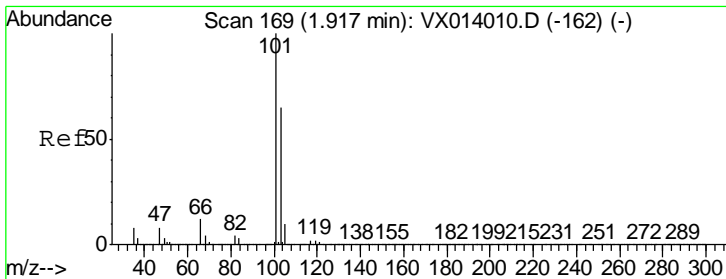
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#6
 Chloroethane
 Concen: 47.206 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.1	23.4	35.2



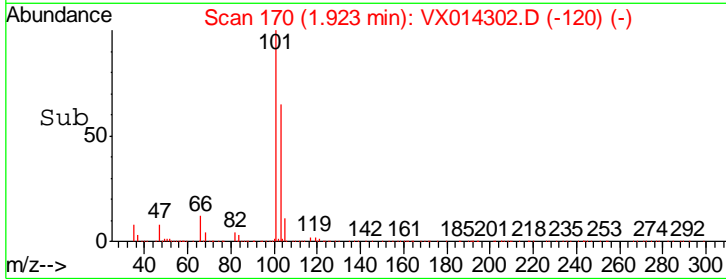
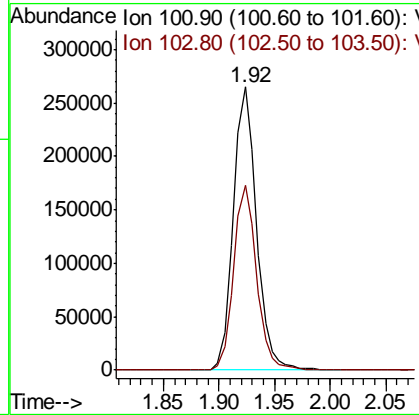
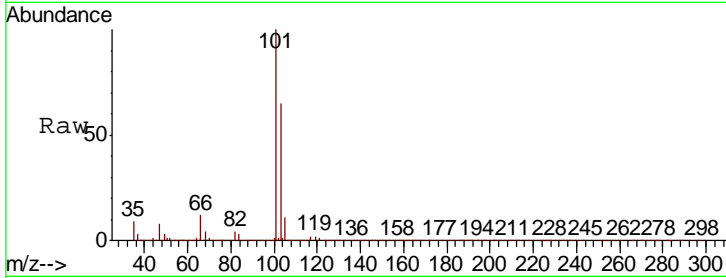


#7
 Trichlorofluoromethane
 Concen: 47.759 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

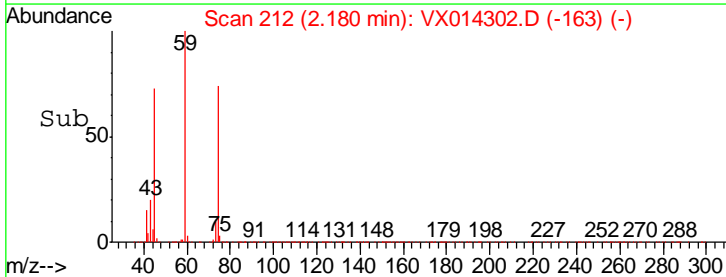
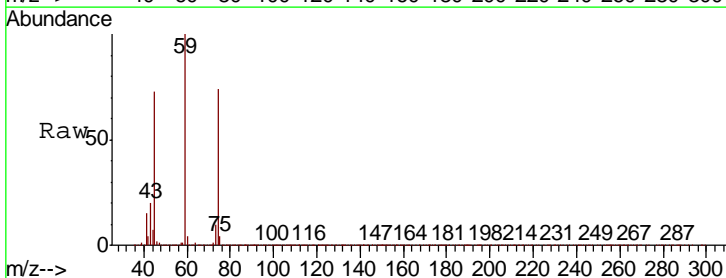
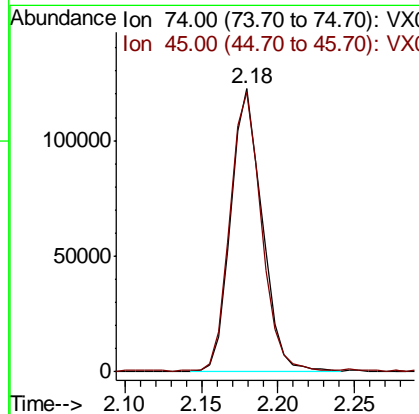
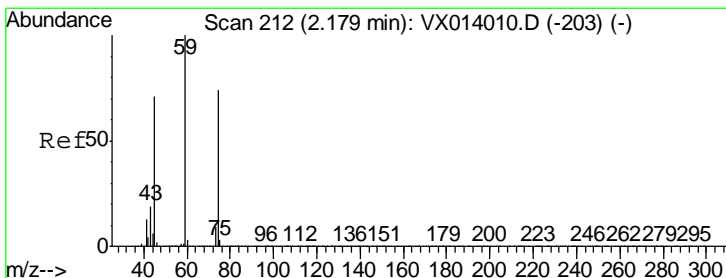
Tgt Ion	Resp	Lower	Upper
101	382126		
101	100		
103	65.1	52.2	78.4

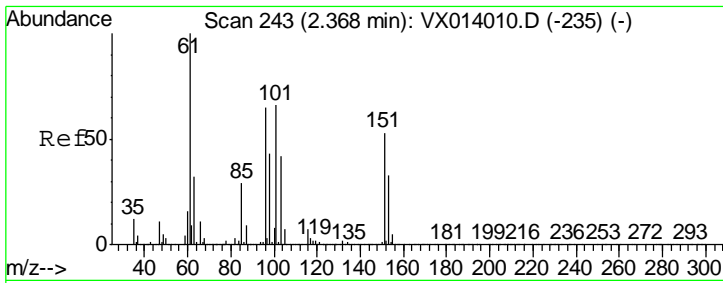
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#8
 Diethyl Ether
 Concen: 46.084 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
74	173047		
74	100		
45	99.2	48.1	144.3





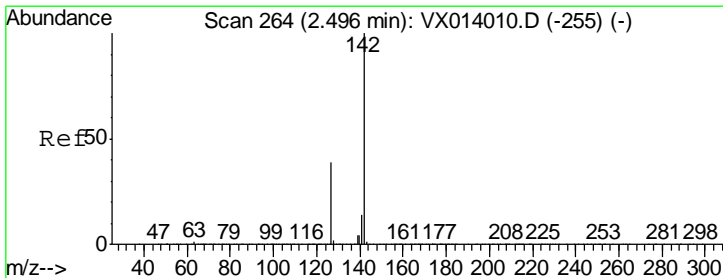
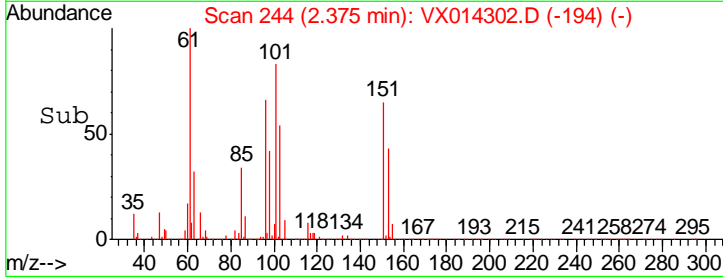
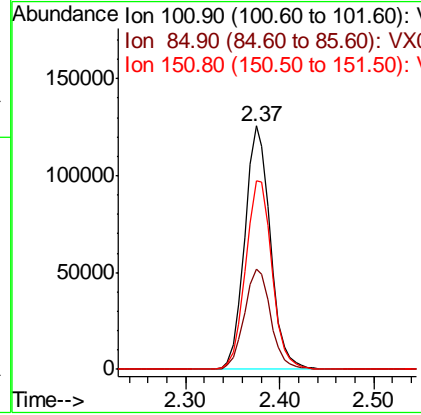
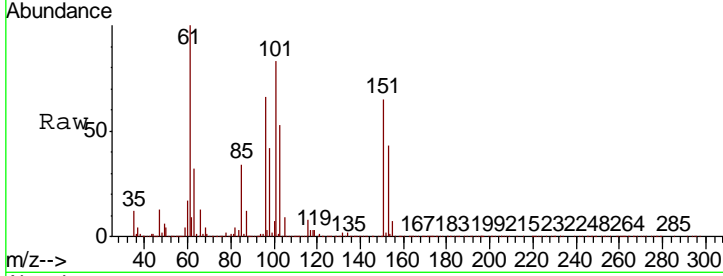
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.085 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
101	236741		
101	100		
85	42.6	33.7	50.5
151	80.4	64.5	96.7

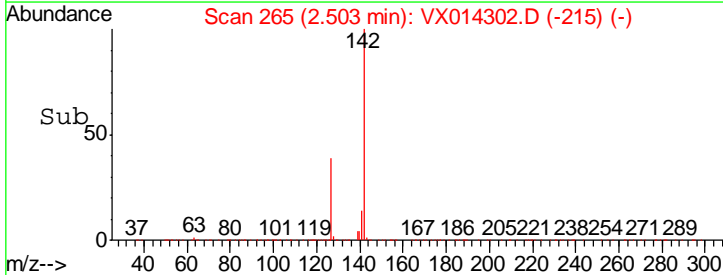
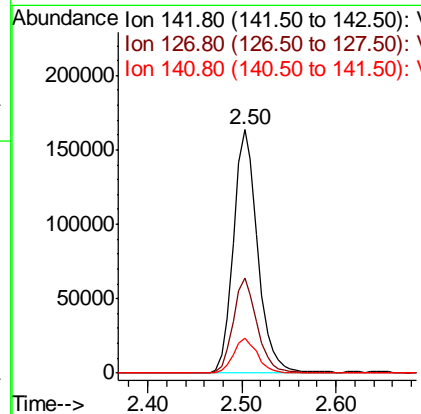
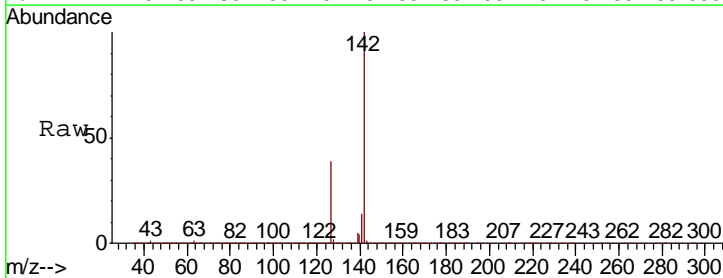
Manual Integrations
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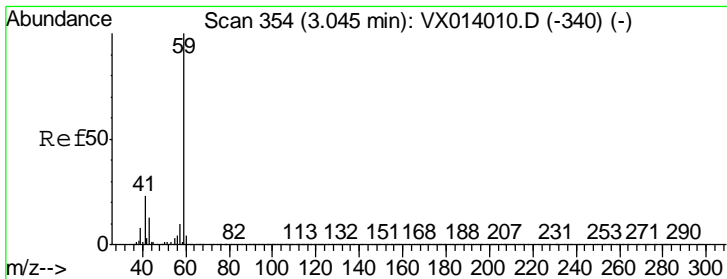
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#10
 Methyl Iodide
 Concen: 45.888 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
142	290424		
142	100		
127	38.6	31.6	47.4
141	14.4	11.6	17.4





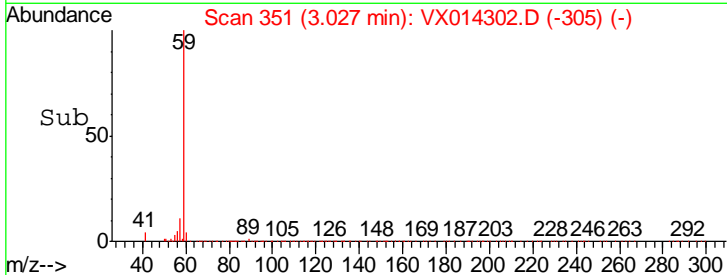
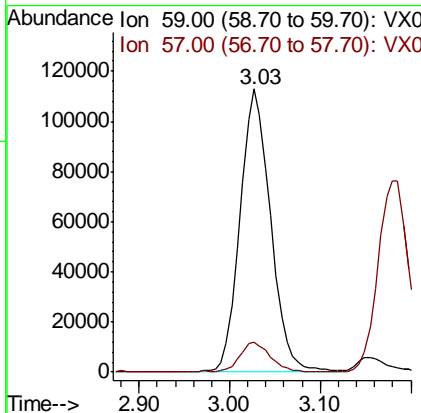
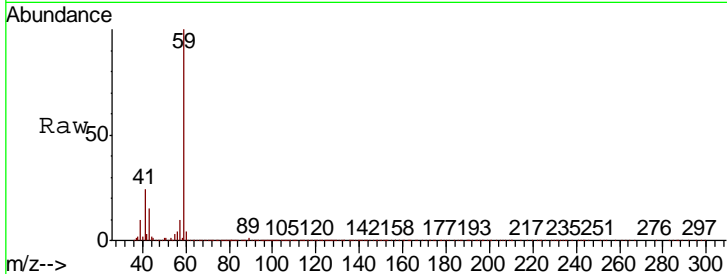
#11
 Tert butyl alcohol
 Concen: 209.678 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.6	8.4	12.6

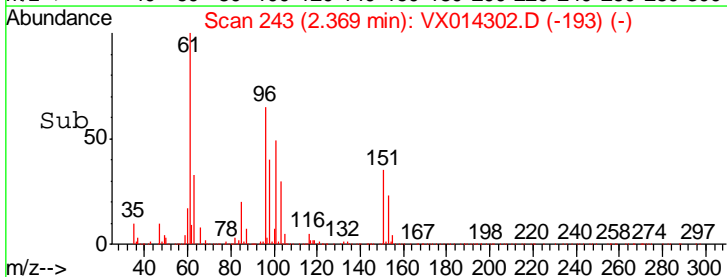
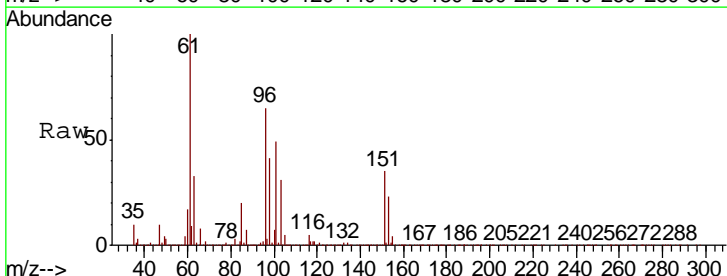
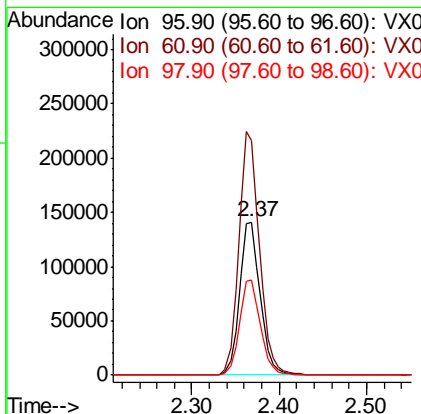
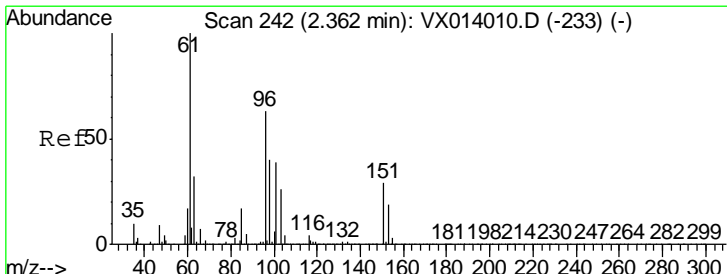
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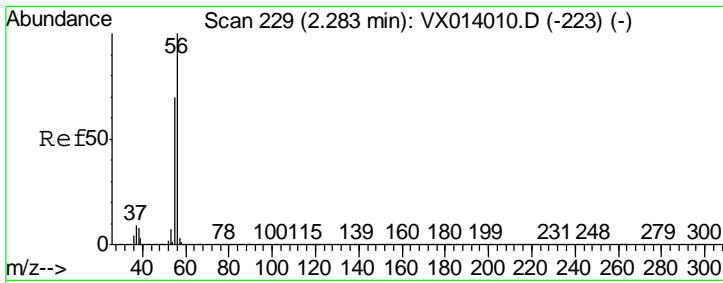
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#12
 1,1-Dichloroethene
 Concen: 47.236 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
96	100		
61	153.3	127.9	191.9
98	62.1	50.5	75.7



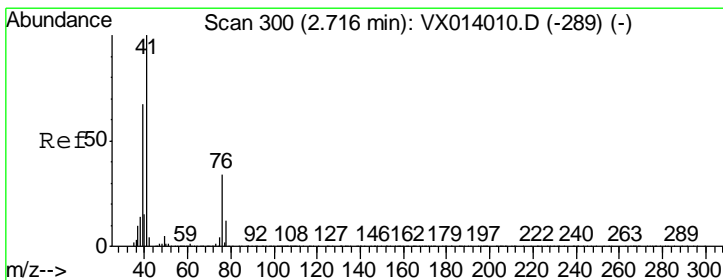
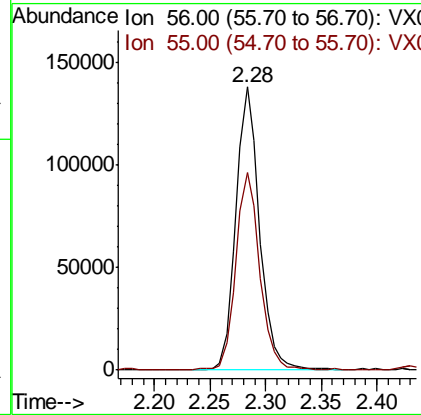
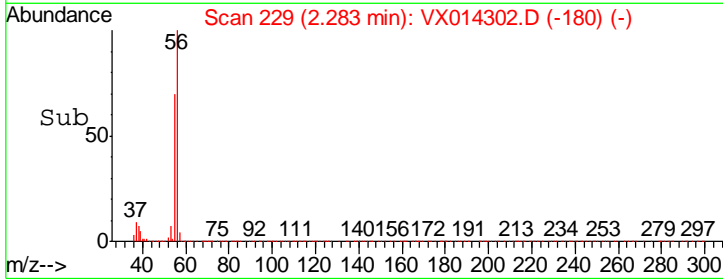
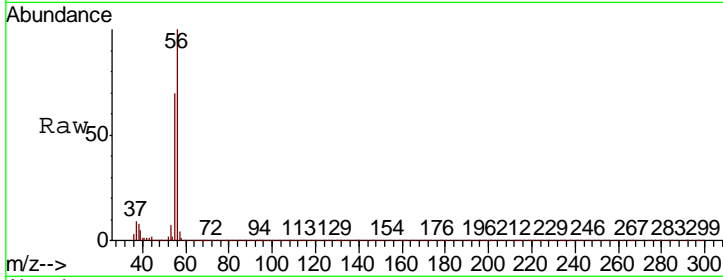


#13
 Acrolein
 Concen: 282.270 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
56	201883		
55	69.9	56.9	85.3

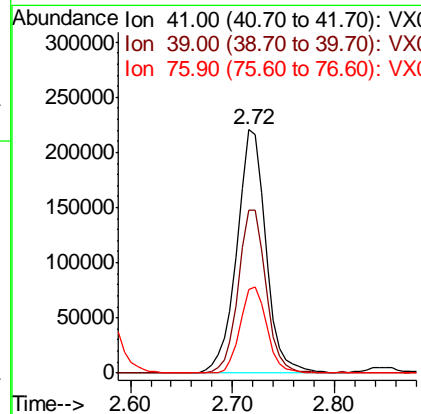
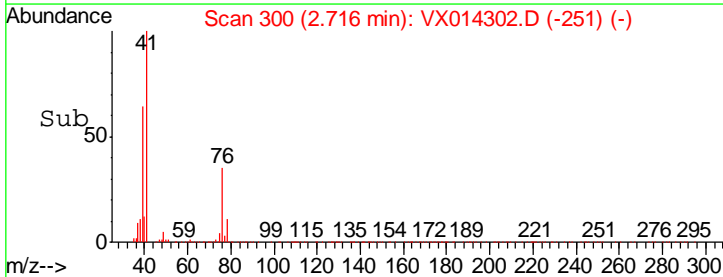
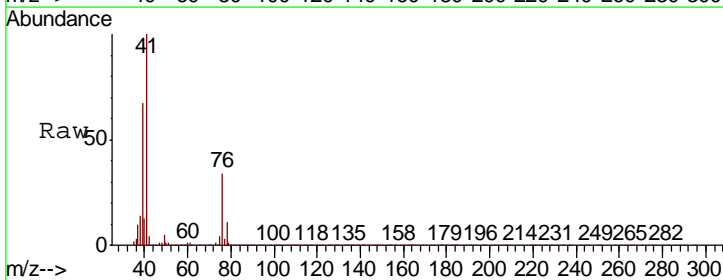
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

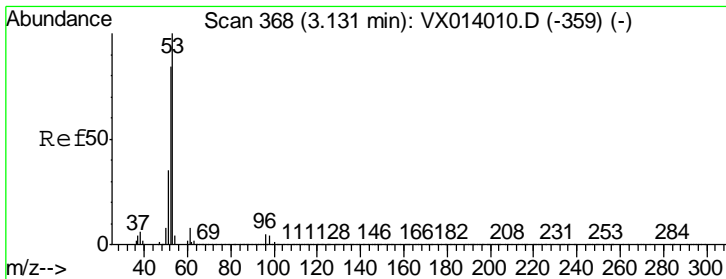
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#14
 Allyl chloride
 Concen: 49.394 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
41	432818		
39	63.7	51.8	77.8
76	32.6	25.9	38.9





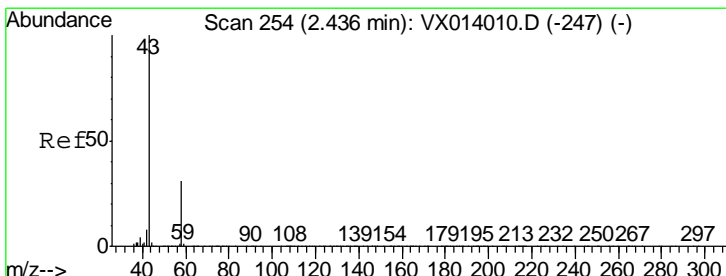
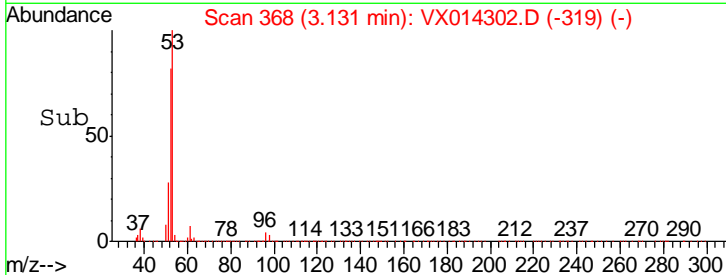
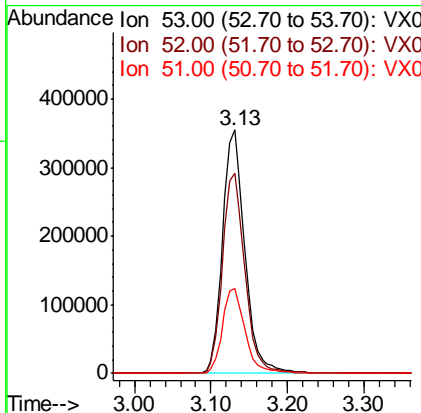
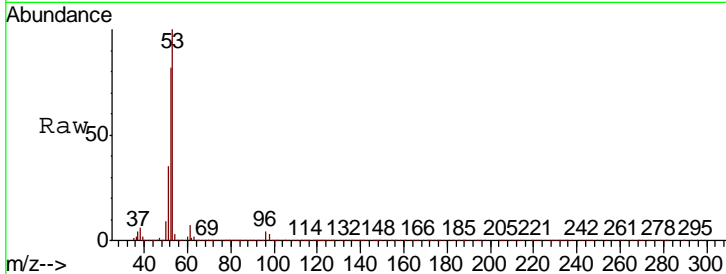
#15
 Acrylonitrile
 Concen: 245.461 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.3	28.1	42.1

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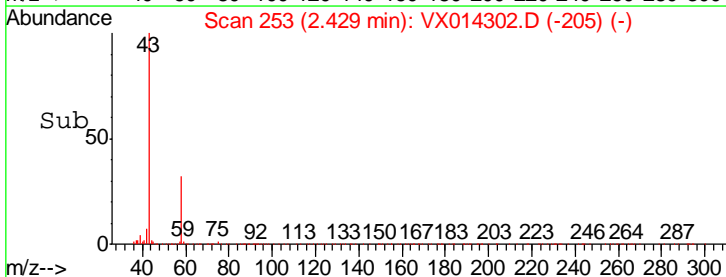
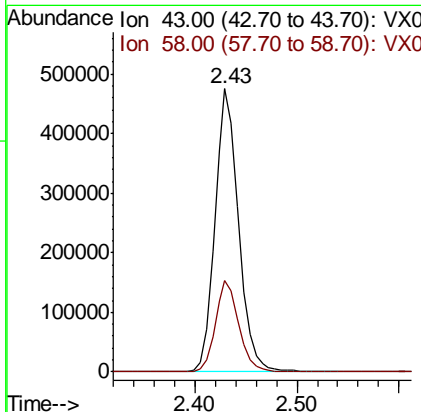
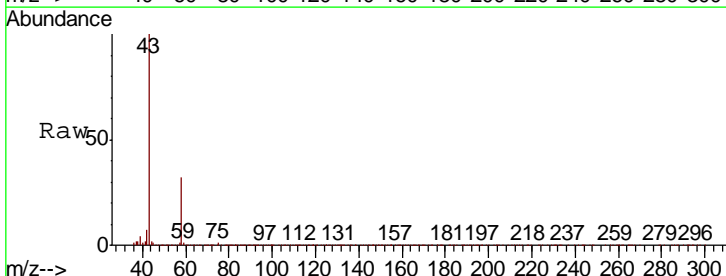
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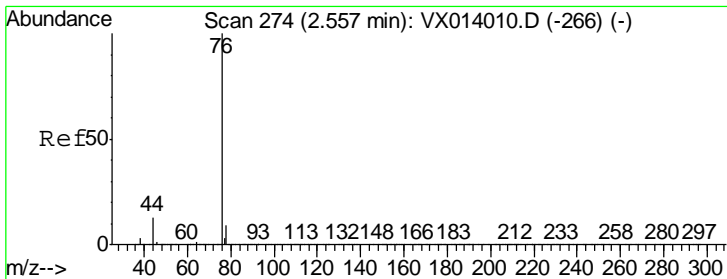


#16
 Acetone
 Concen: 203.716 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.2	24.9	37.3



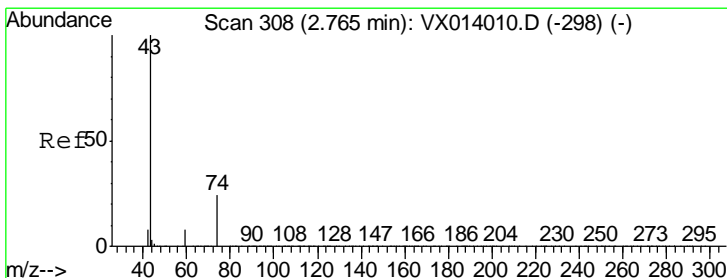
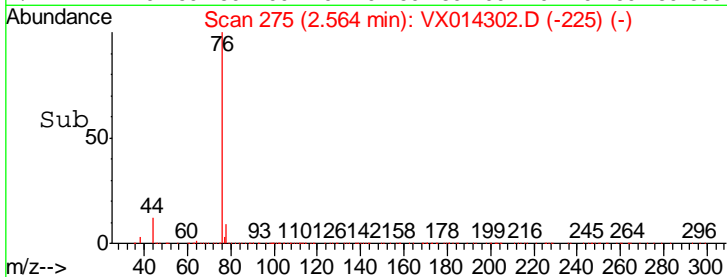
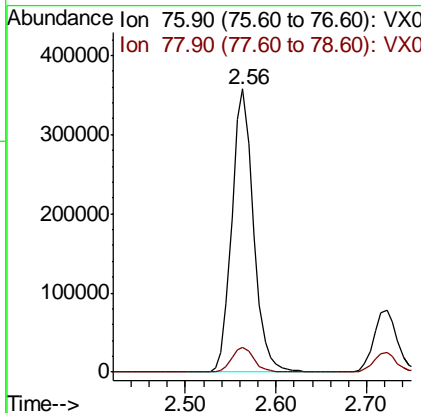
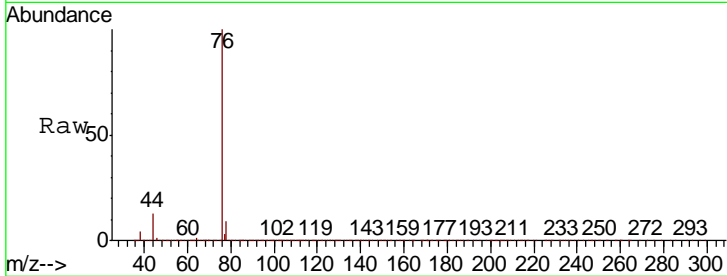


#17
 Carbon Disulfide
 Concen: 43.574 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

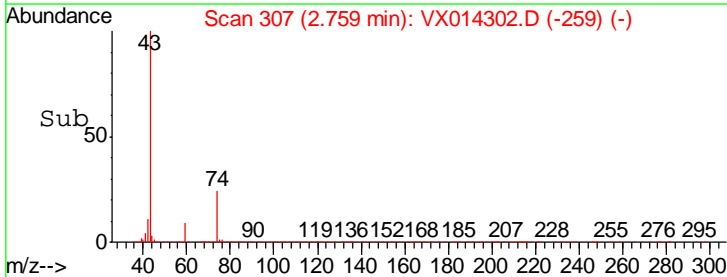
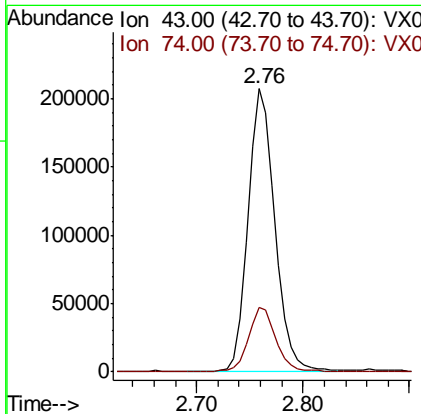
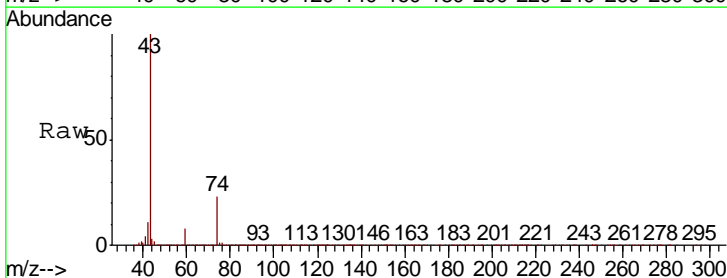
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

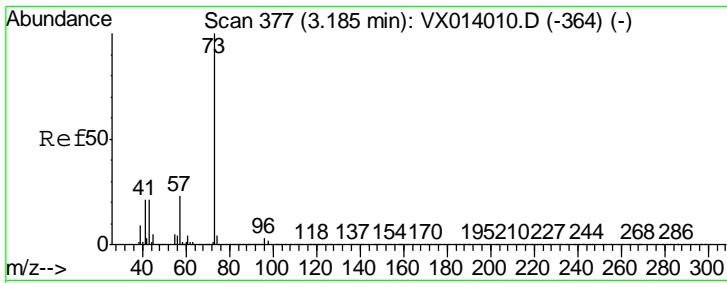
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#18
 Methyl Acetate
 Concen: 49.255 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.5	29.3



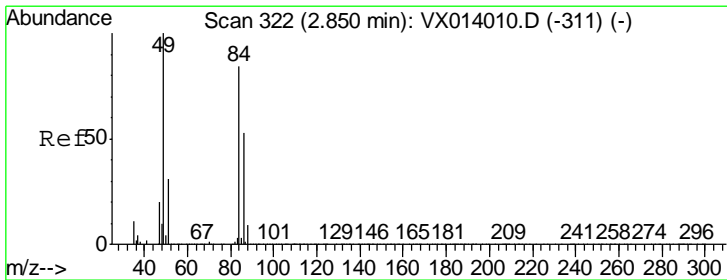
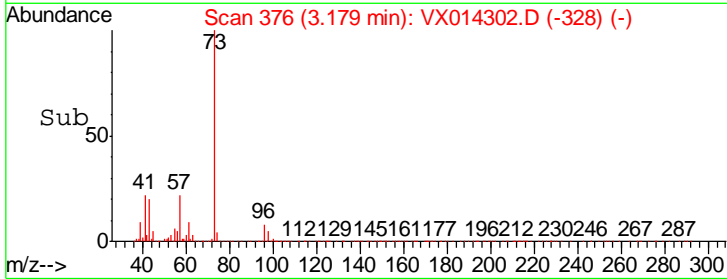
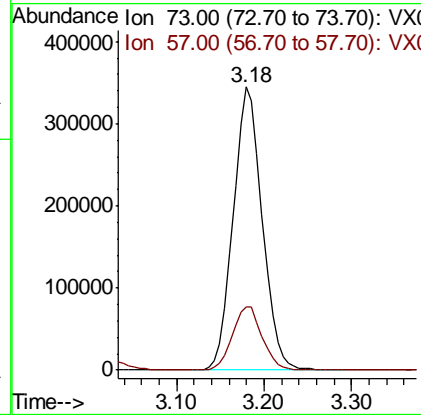
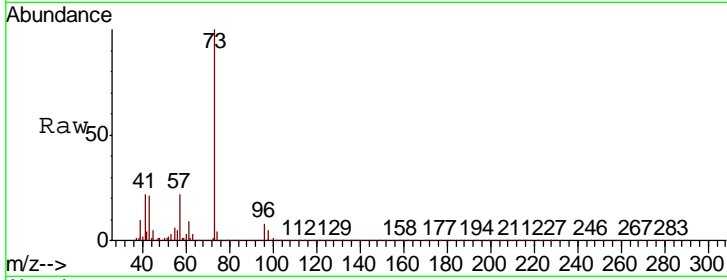


#19
Methyl tert-butyl Ether
Concen: 49.233 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014302.D
Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.1	18.8	28.2

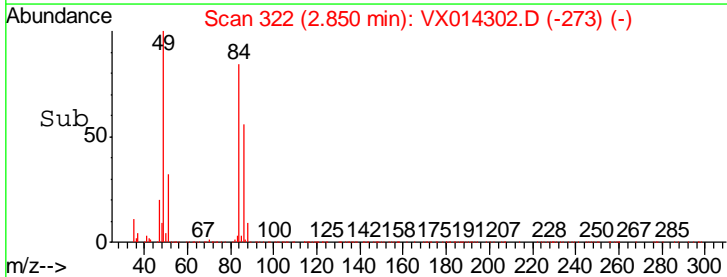
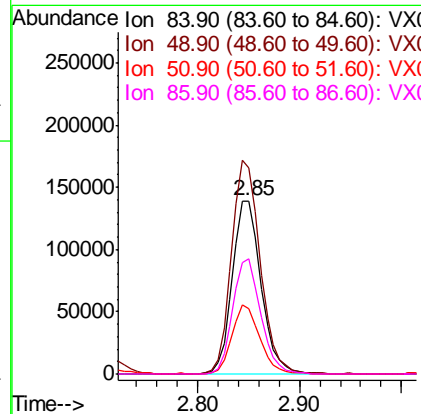
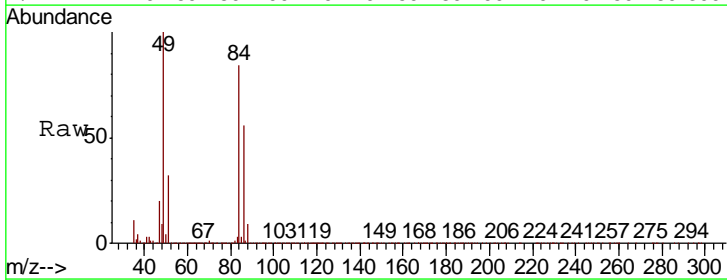
Instrument : MSVOA_X
Client Sampled : VSTDCCC050

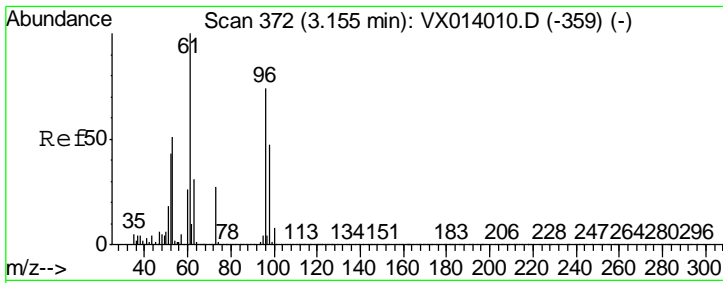
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#20
Methylene Chloride
Concen: 45.796 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014302.D
Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
84	100		
49	119.0	95.8	143.6
51	37.5	29.8	44.8
86	66.4	50.8	76.2



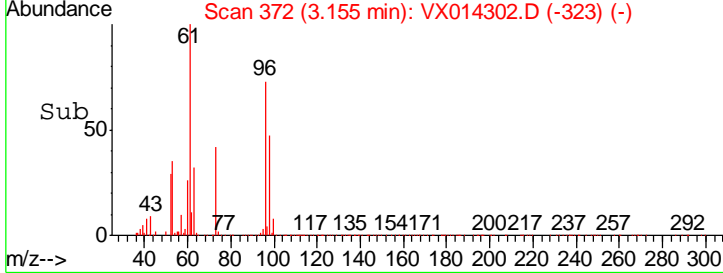
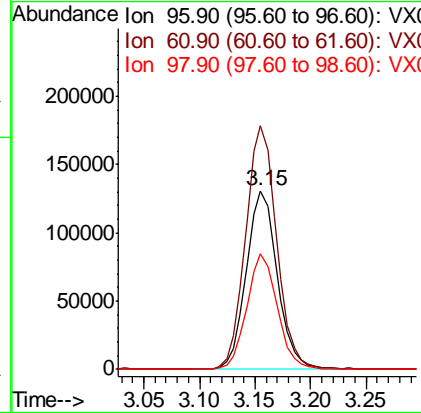
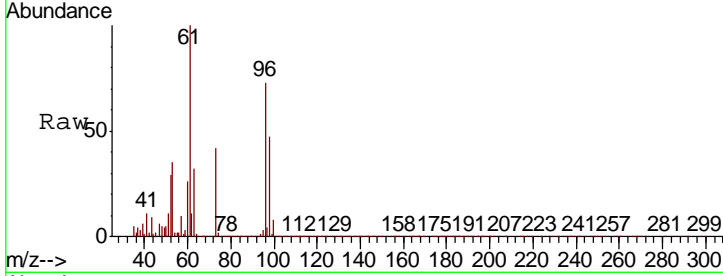


#21
 trans-1,2-Dichloroethene
 Concen: 46.703 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

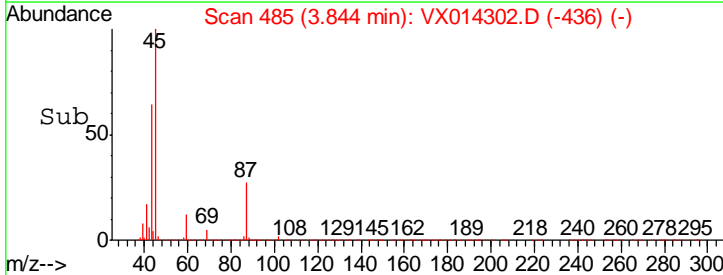
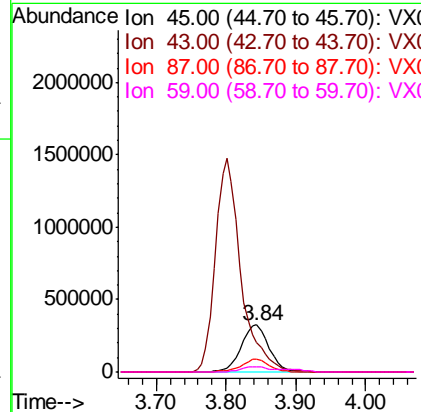
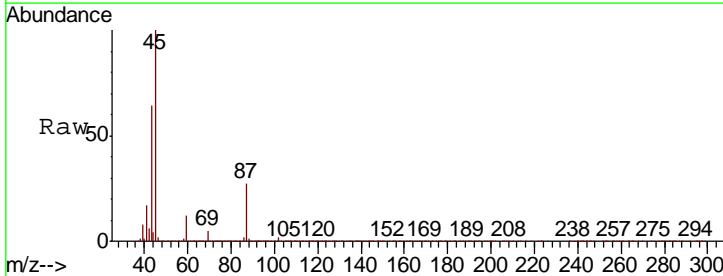
Tgt Ion	Resp	Lower	Upper
96	252512		
96	100		
61	136.4	108.3	162.5
98	64.4	50.8	76.2

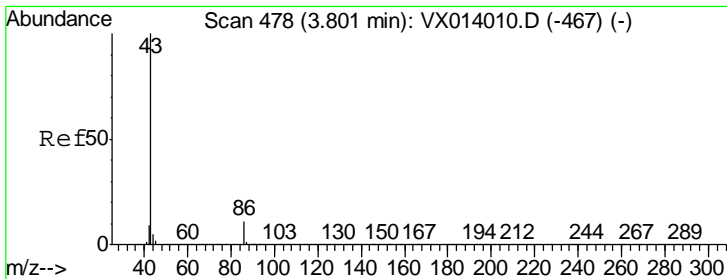
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#22
 Diisopropyl ether
 Concen: 51.221 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
45	894400		
45	100		
43	63.8	57.4	86.0
87	27.0	21.9	32.9
59	11.7	9.0	13.6



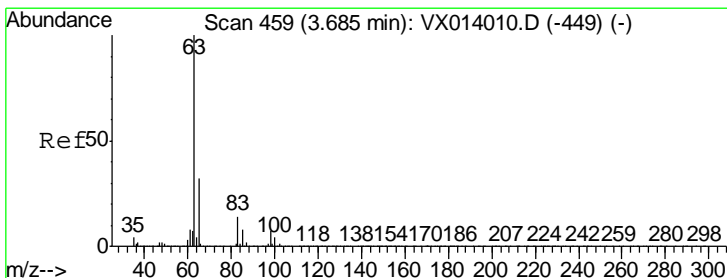
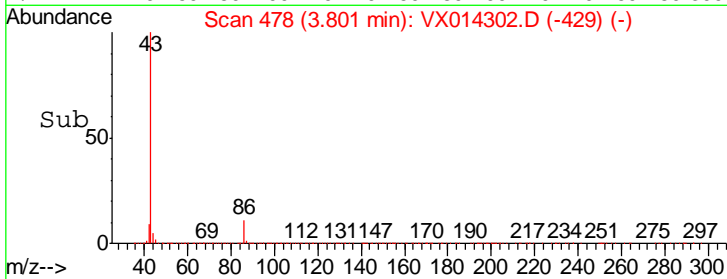
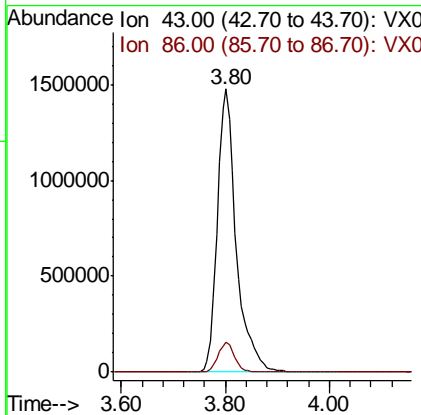
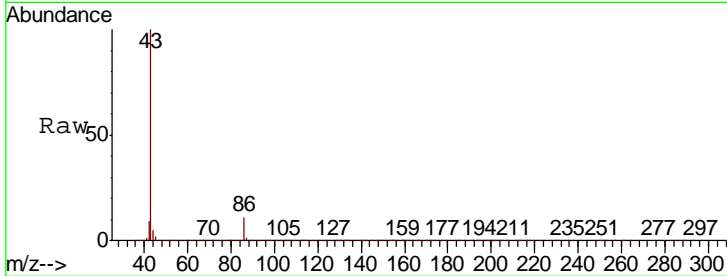


#23
 Vinyl Acetate
 Concen: 263.703 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.6	12.8

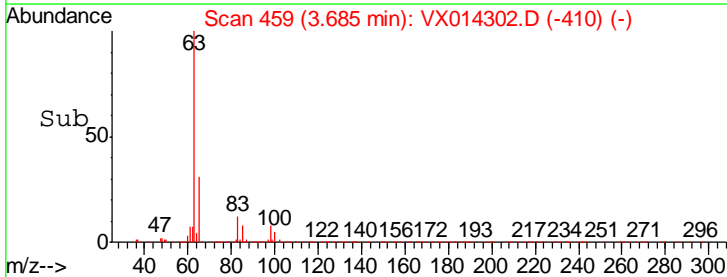
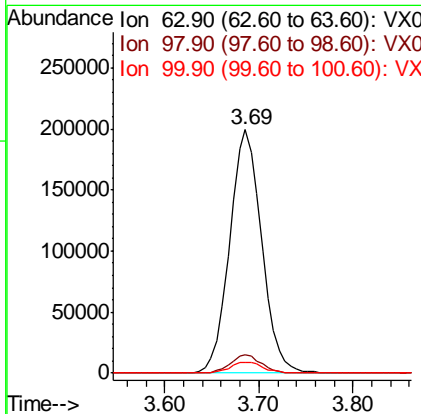
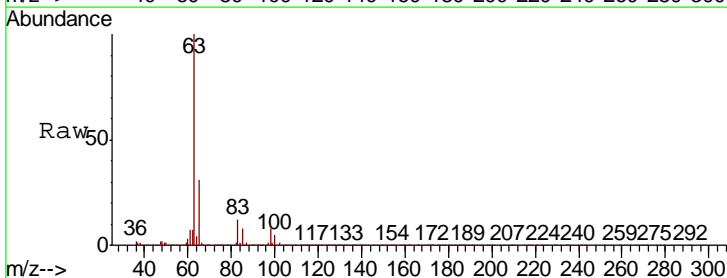
Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

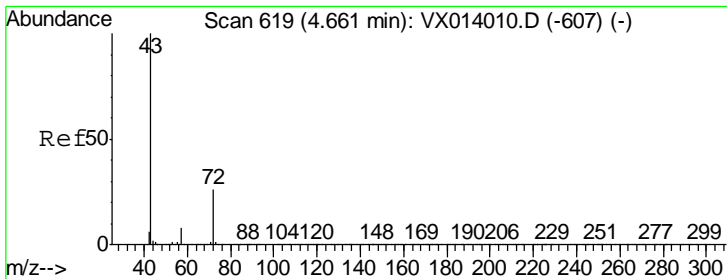
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#24
 1,1-Dichloroethane
 Concen: 48.150 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.6	3.6	10.8
100	4.5	2.3	6.8





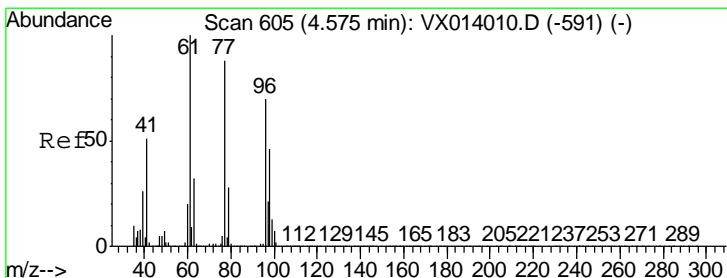
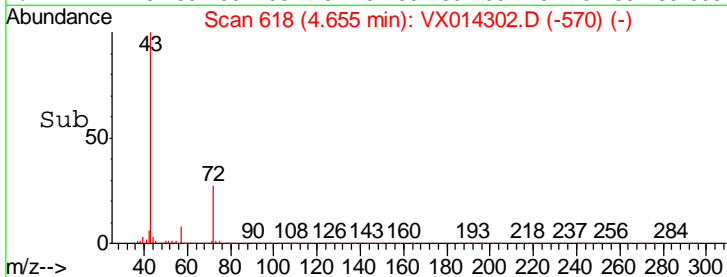
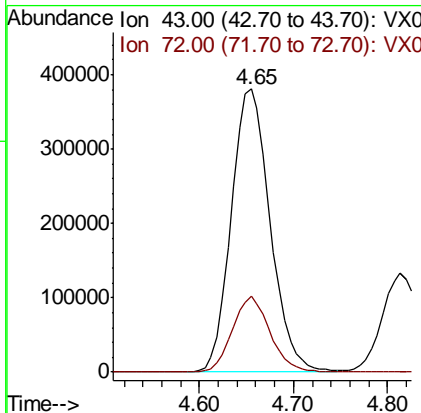
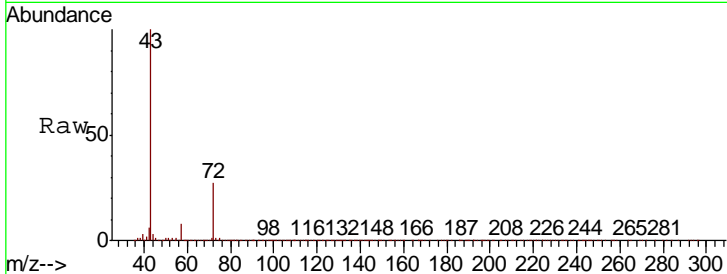
#25
 2-Butanone
 Concen: 235.299 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.5	21.0	31.4

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

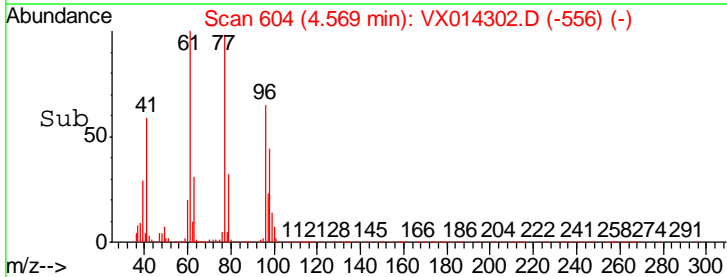
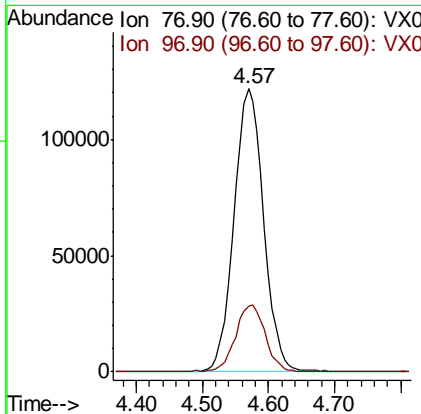
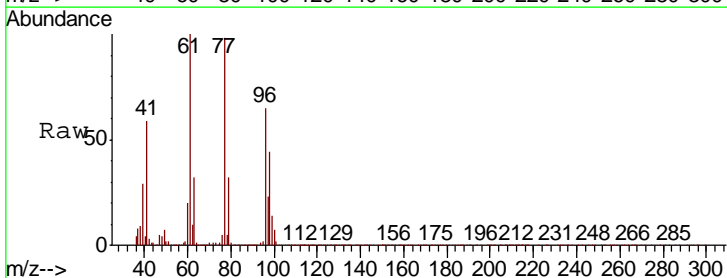
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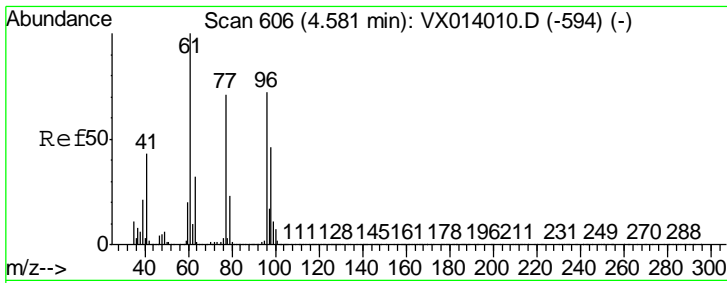
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#26
 2,2-Dichloropropane
 Concen: 50.041 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.6	11.9	35.9



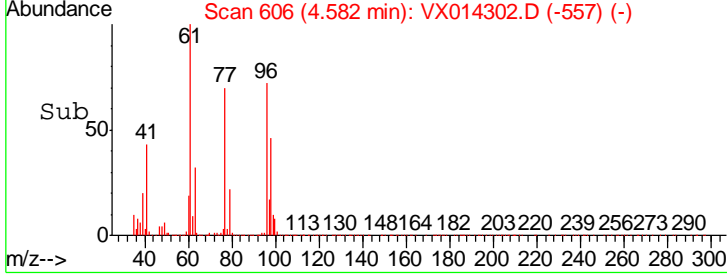
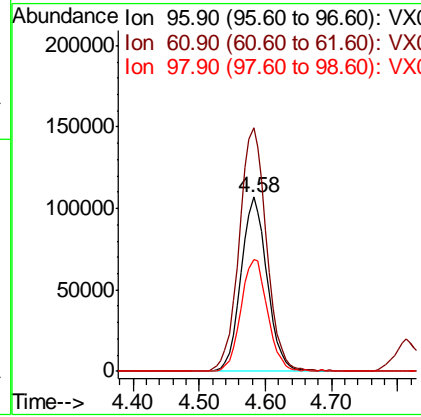
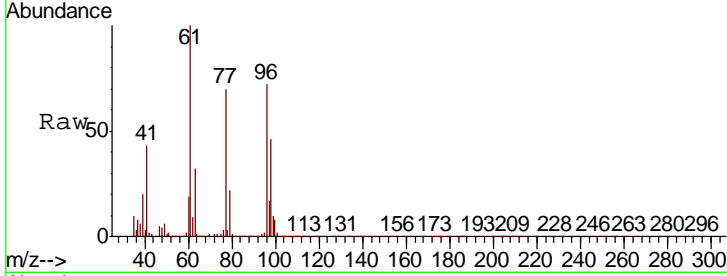


#27
 cis-1,2-Dichloroethene
 Concen: 47.936 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

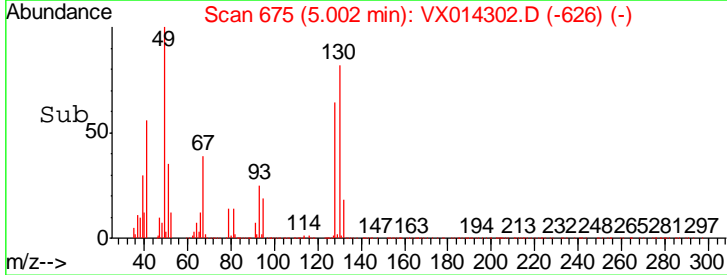
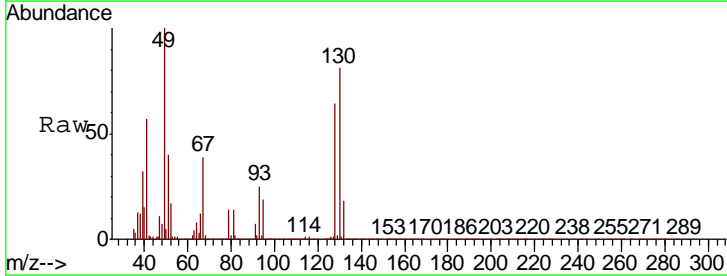
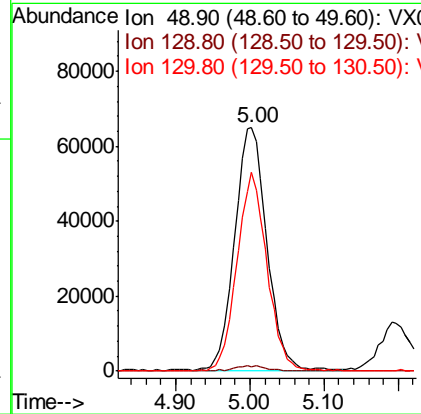
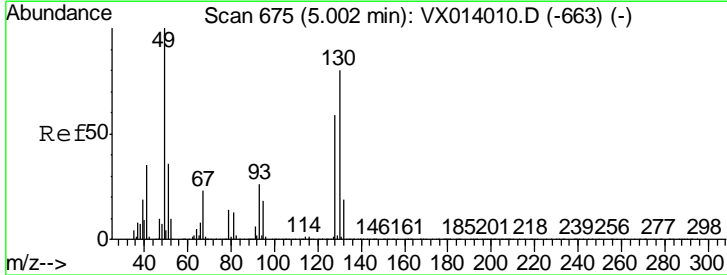
Tgt Ion	Resp	Lower	Upper
96	293117		
96	100		
61	145.6	0.0	288.4
98	65.5	0.0	129.6

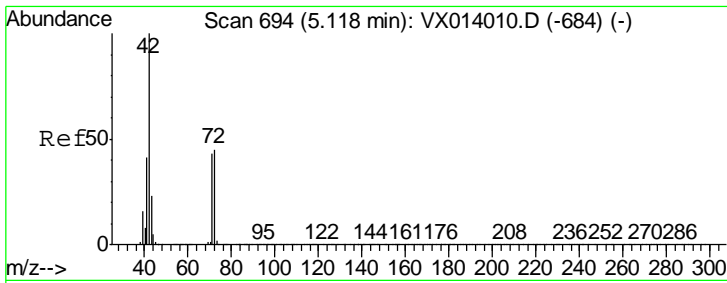
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#28
 Bromochloromethane
 Concen: 52.530 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
49	196351		
49	100		
129	2.0	0.0	5.0
130	75.7	64.6	97.0





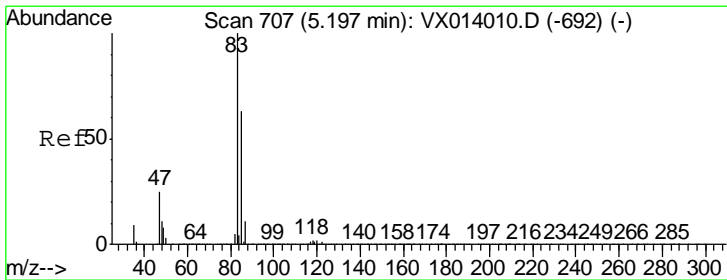
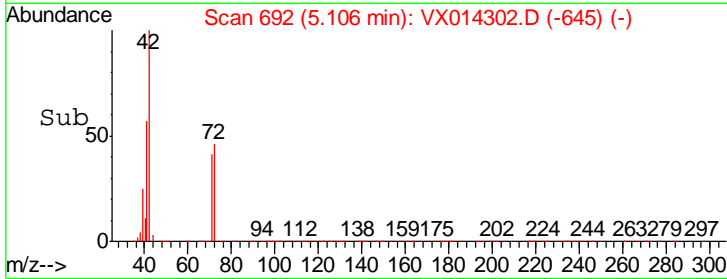
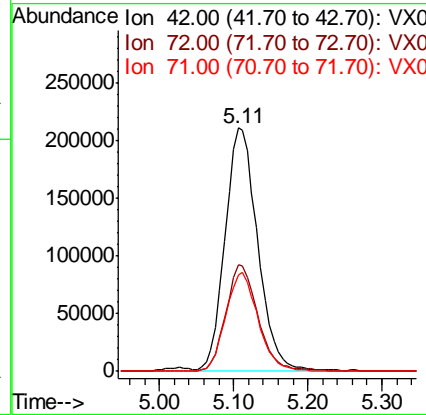
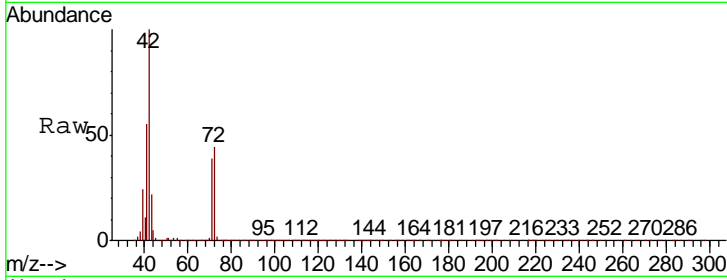
#29
 Tetrahydrofuran
 Concen: 246.868 ug/l
 RT: 5.11 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
42	100		
72	43.9	35.8	53.8
71	40.7	33.6	50.4

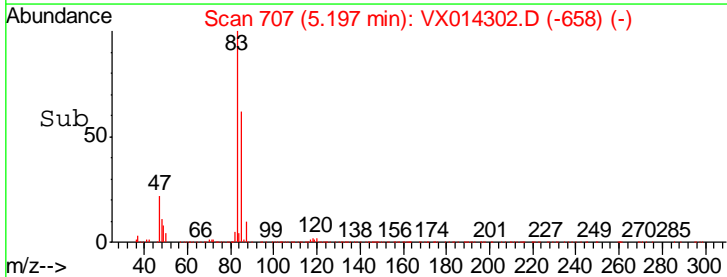
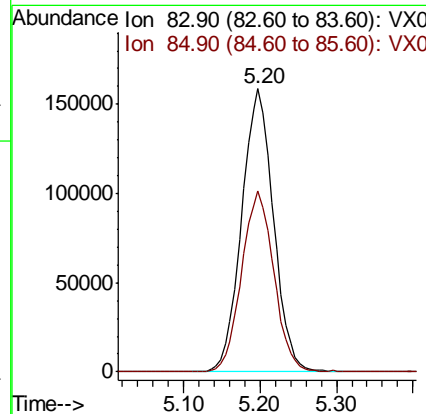
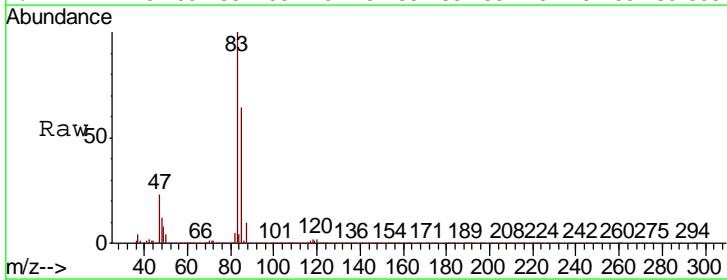
Manual Integrations
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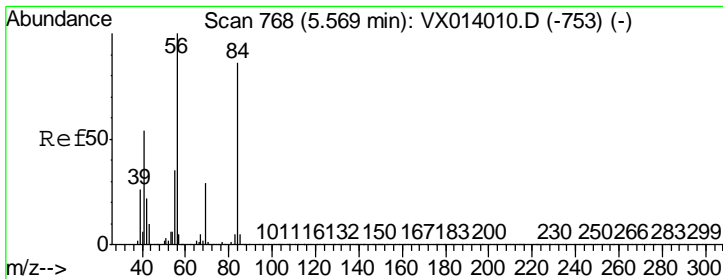
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#30
 Chloroform
 Concen: 49.712 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.8	50.8	76.2





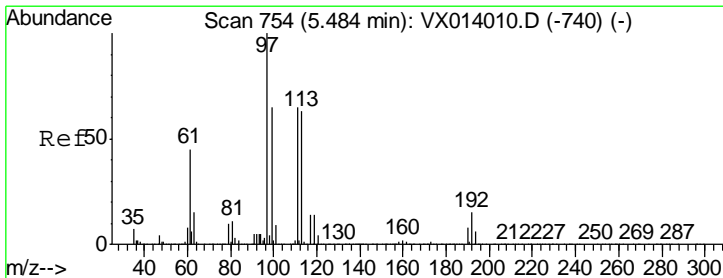
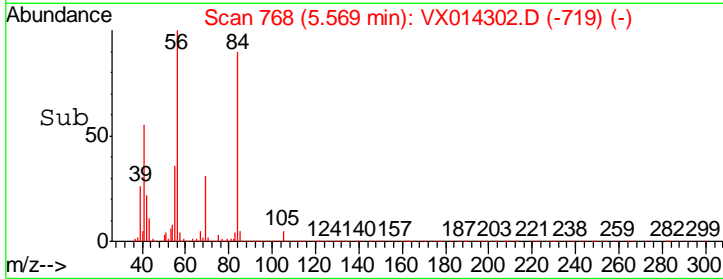
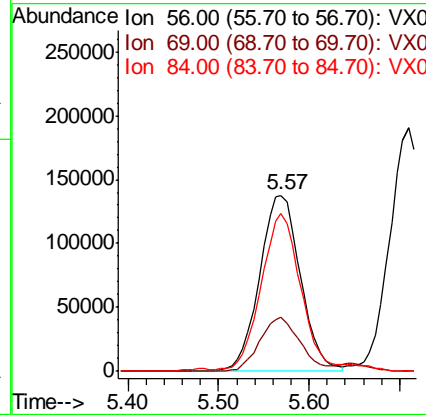
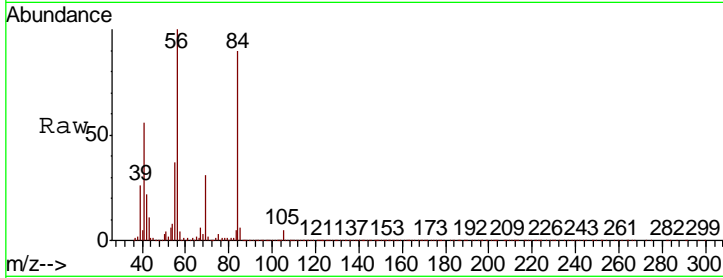
#31
 Cyclohexane
 Concen: 49.628 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.6	23.2	34.8
84	88.7	69.2	103.8

Instrument : MSVOA_X
 Client Sampled : VSTDC0050

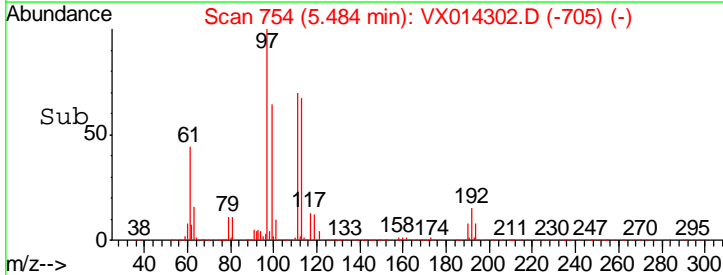
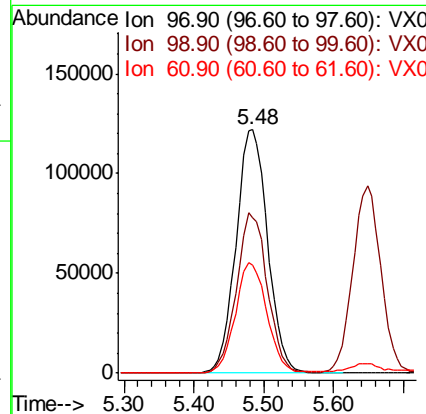
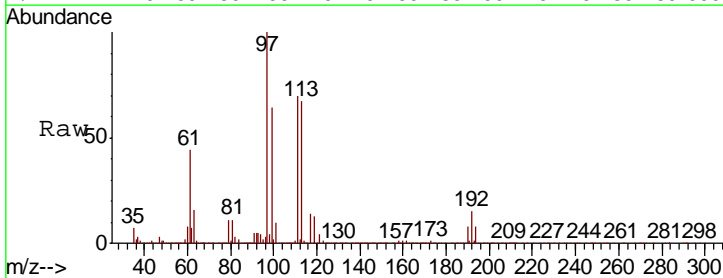
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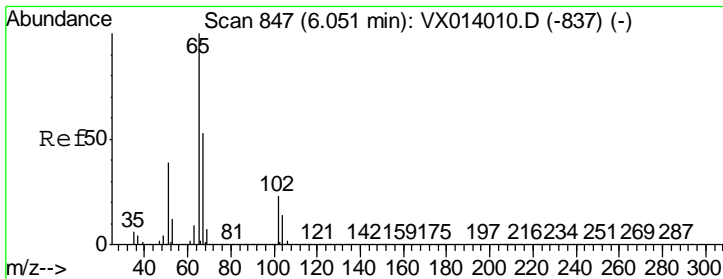
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#32
 1,1,1-Trichloroethane
 Concen: 48.538 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	45.1	36.7	55.1



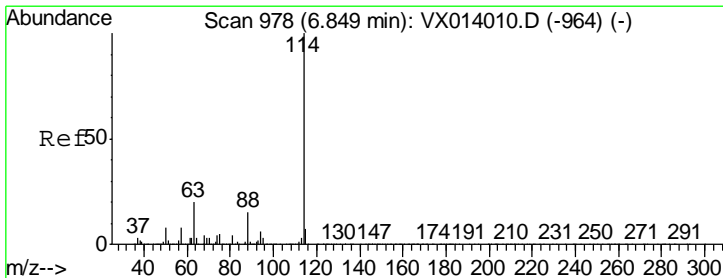
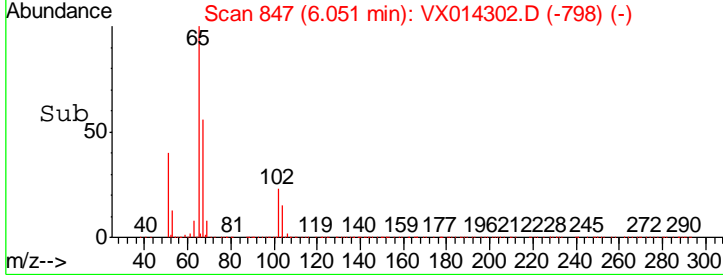
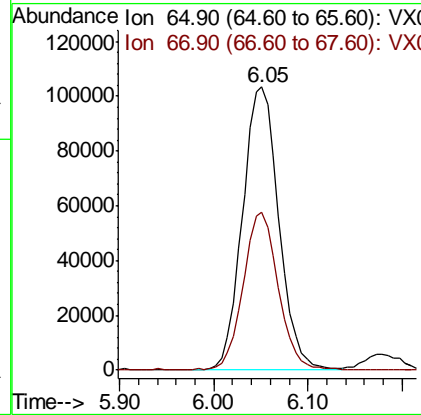
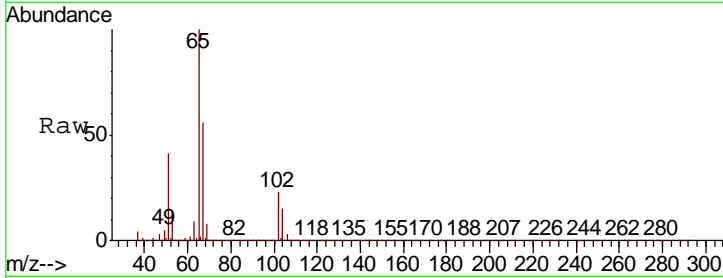


#33
 1,2-Dichloroethane-d4
 Concen: 48.115 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
65	278215		
67	53.5	0.0	106.4

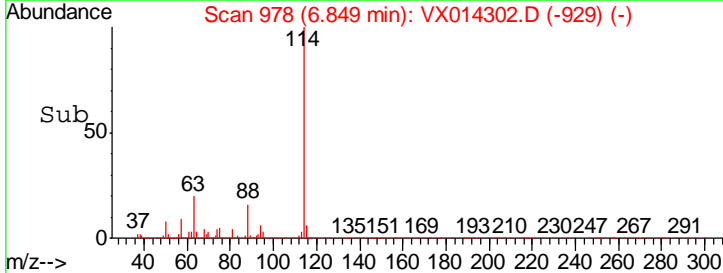
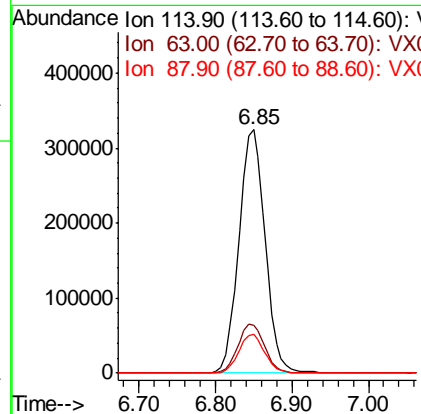
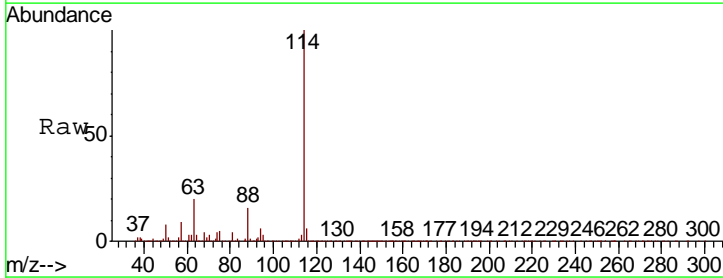
Instrument : MSVOA_X
 ClientSampleId : VSTDC050

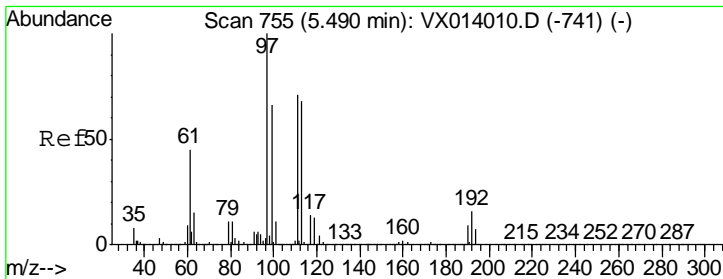
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

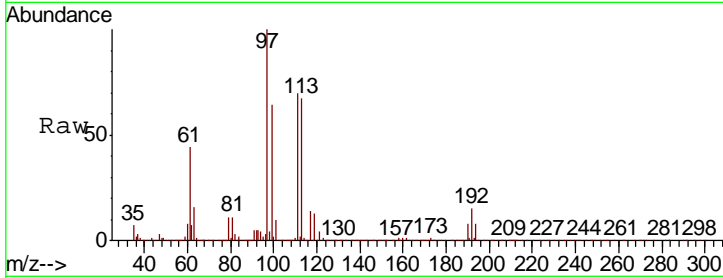
Tgt Ion	Resp	Lower	Upper
114	769144		
63	19.7	0.0	40.8
88	15.9	0.0	30.4





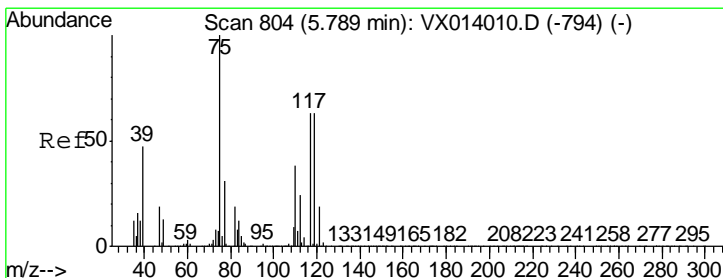
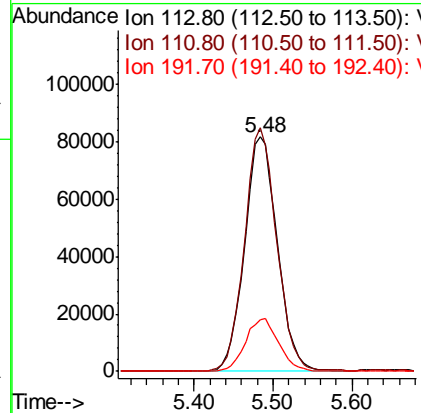
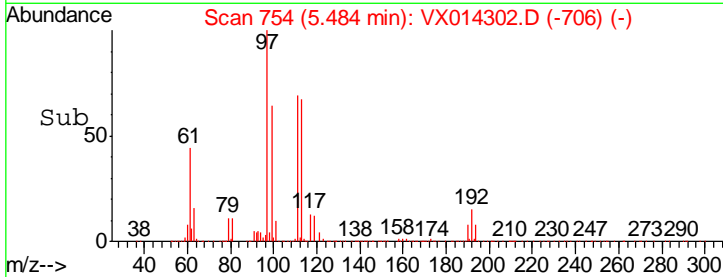
#35
 Dibromofluoromethane
 Concen: 50.421 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

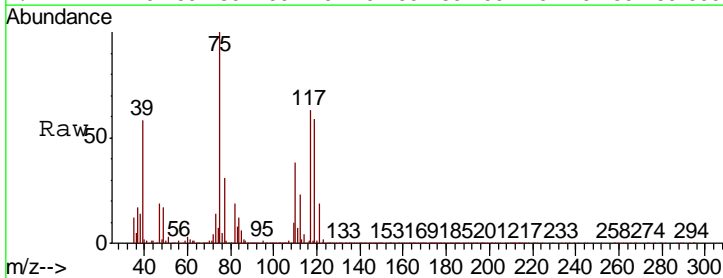


Tgt Ion	Resp	Lower	Upper
113	100		
111	102.1	82.0	123.0
192	22.7	19.3	28.9

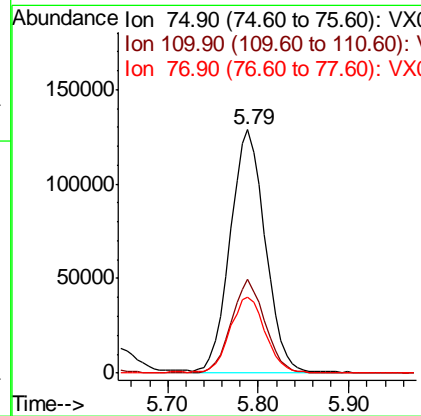
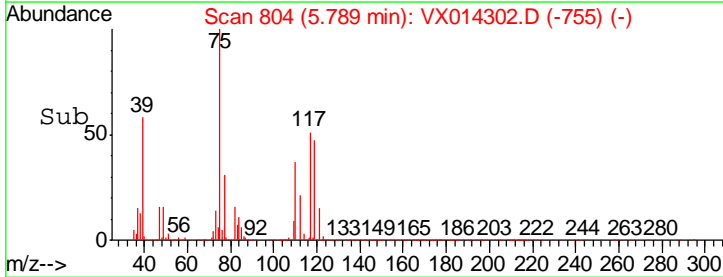
Manual Integrations
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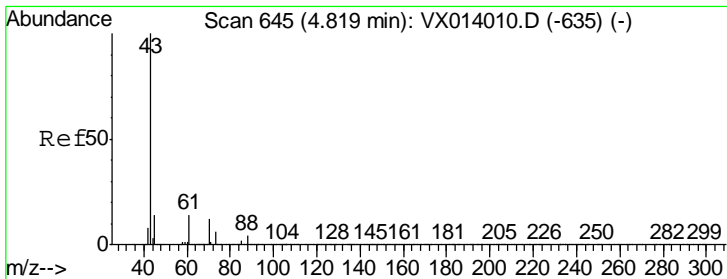


#36
 1,1-Dichloropropene
 Concen: 48.781 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03



Tgt Ion	Resp	Lower	Upper
75	100		
110	37.2	18.3	54.9
77	31.3	24.8	37.2



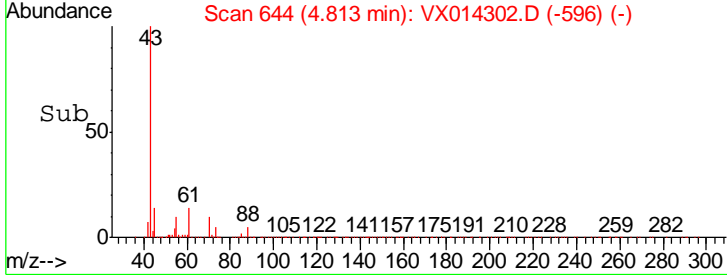
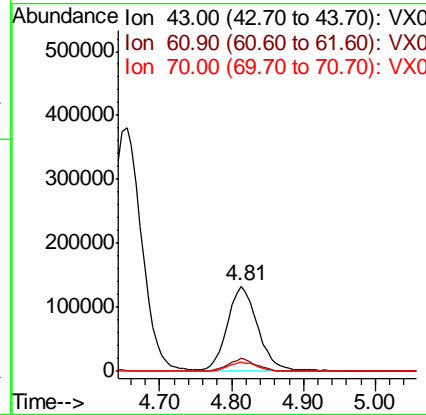
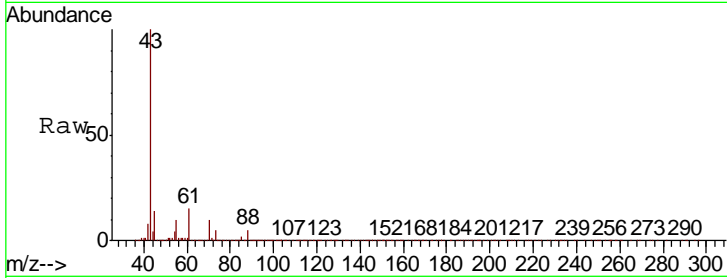


#37
Ethyl Acetate
Concen: 49.714 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014302.D
Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.5	8.6	12.8

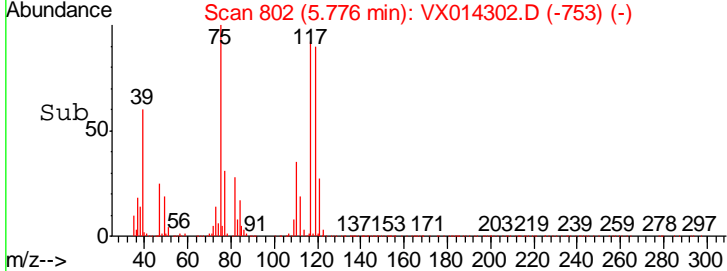
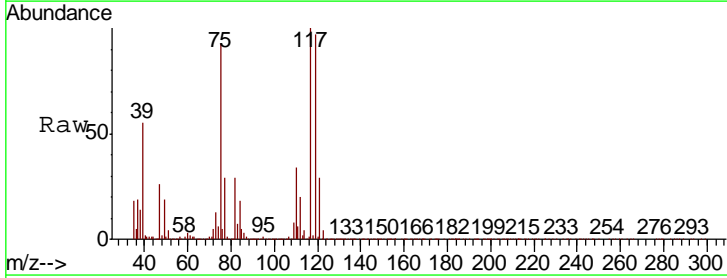
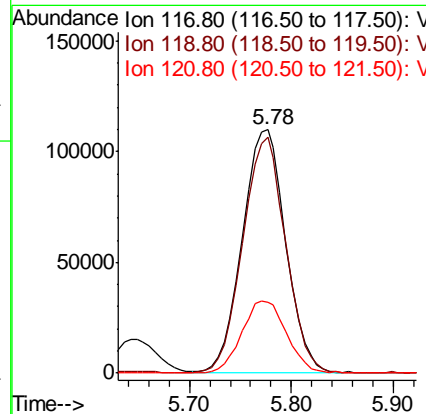
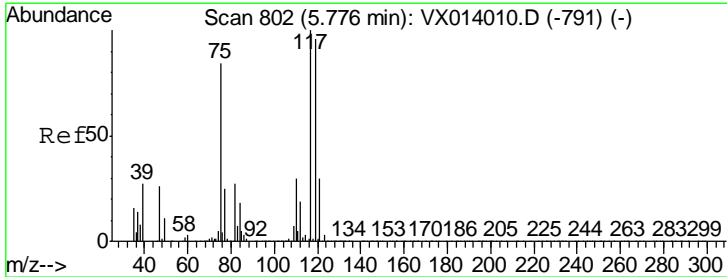
Instrument : MSVOA_X
ClientSampled : VSTDCCC050

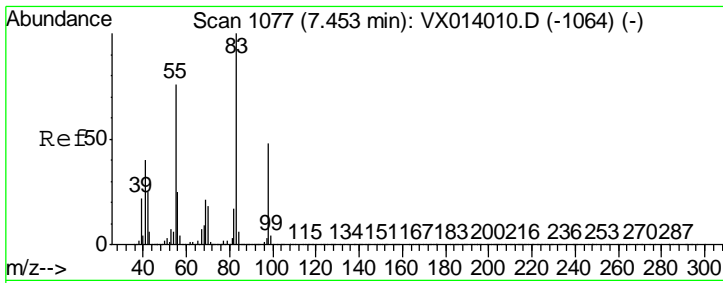
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#38
Carbon Tetrachloride
Concen: 50.246 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014302.D
Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
117	100		
119	96.8	76.2	114.4
121	29.3	23.6	35.4



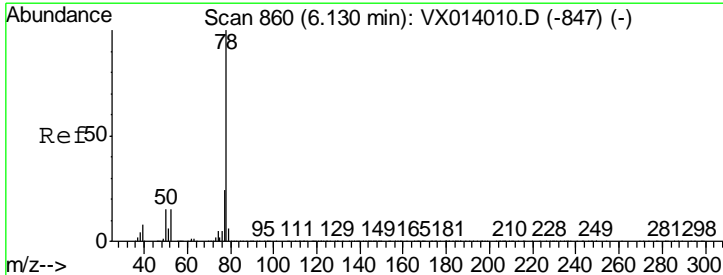
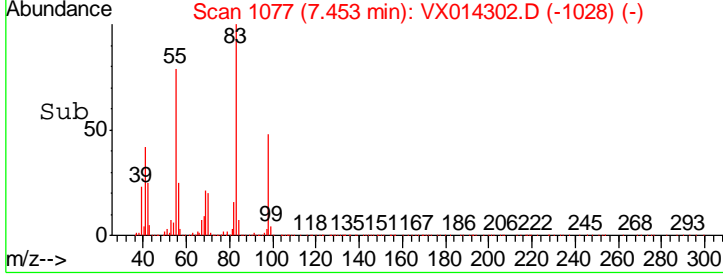
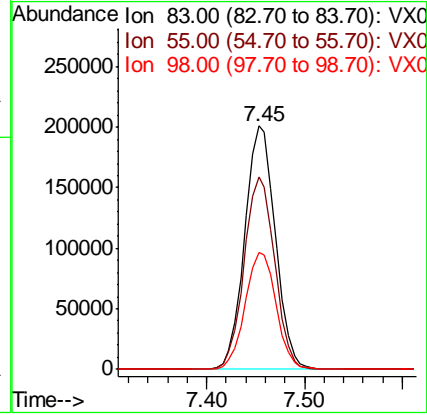
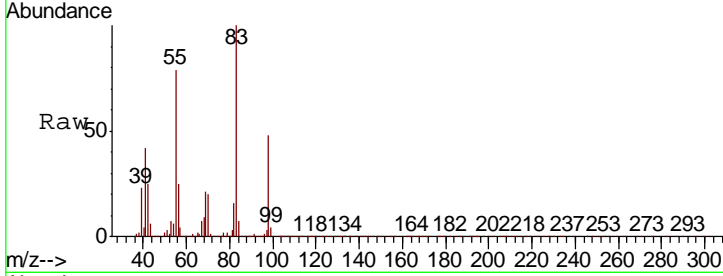


#39
 Methylcyclohexane
 Concen: 50.092 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
83	436509		
55	79.2	61.0	91.6
98	48.1	38.6	57.8

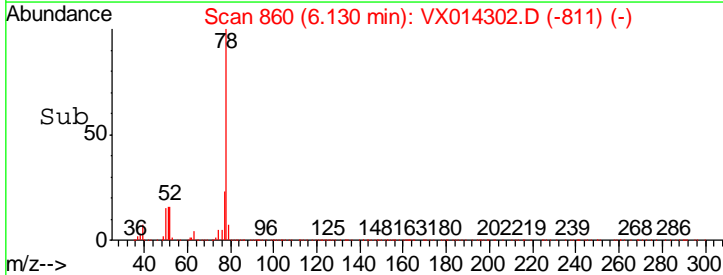
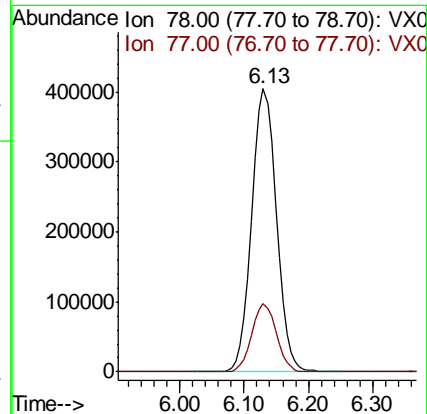
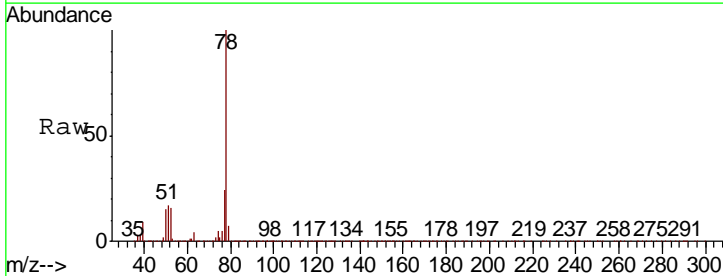
Instrument : MSVOA_X
 ClientSampled : VSTDC050

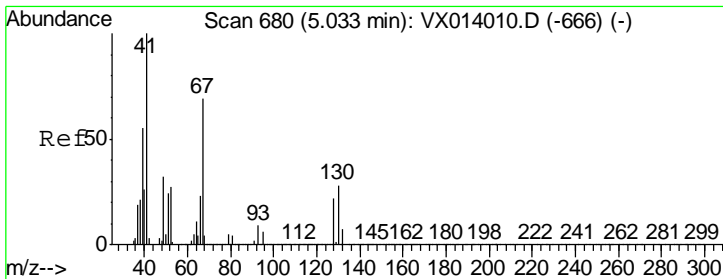
Manual Integrations
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#40
 Benzene
 Concen: 48.880 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
78	1061404		
77	23.9	18.8	28.2





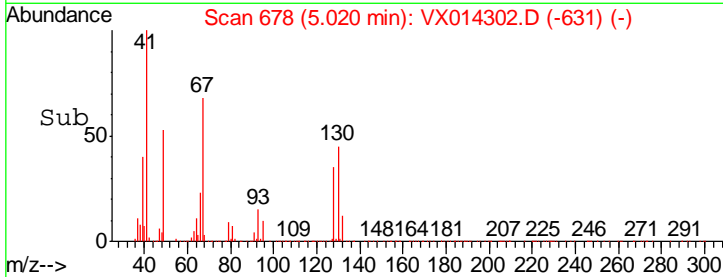
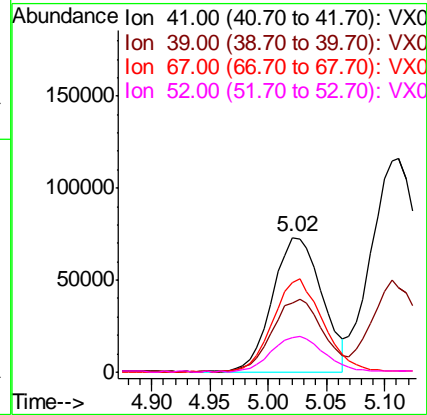
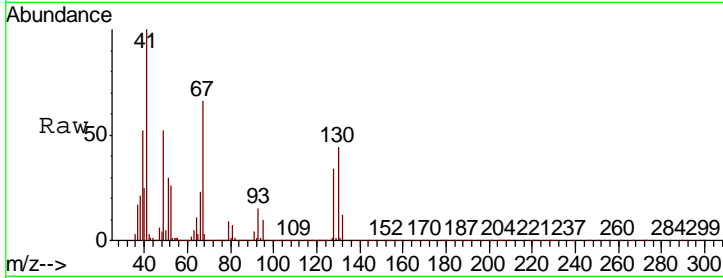
#41
 Methacrylonitrile
 Concen: 49.734 ug/l
 RT: 5.02 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.8	44.5	66.7
67	70.0	57.4	86.0
52	27.8	23.0	34.4

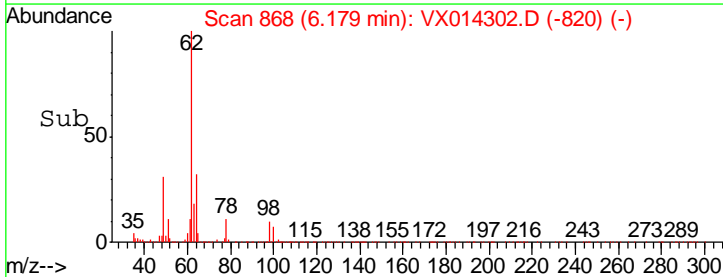
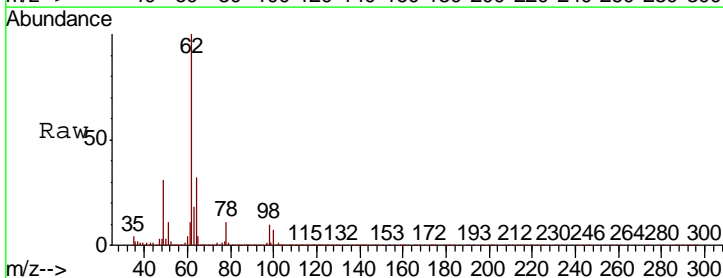
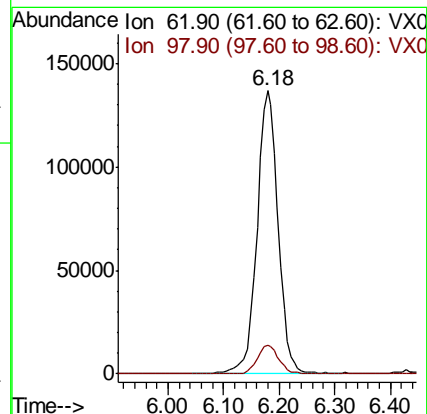
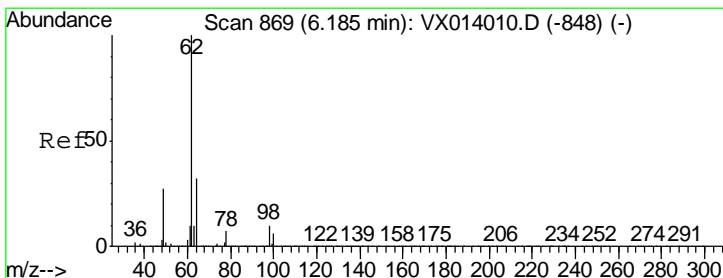
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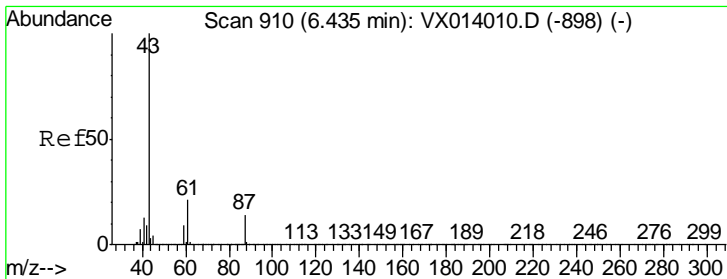
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#42
 1,2-Dichloroethane
 Concen: 49.256 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.1	0.0	21.0





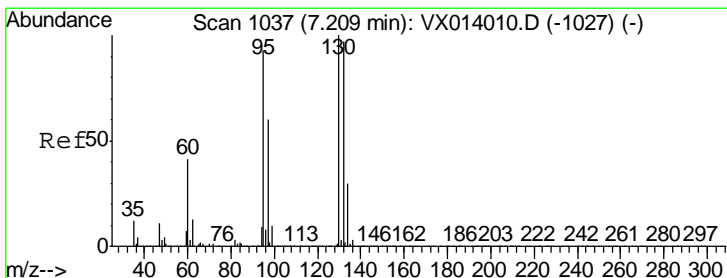
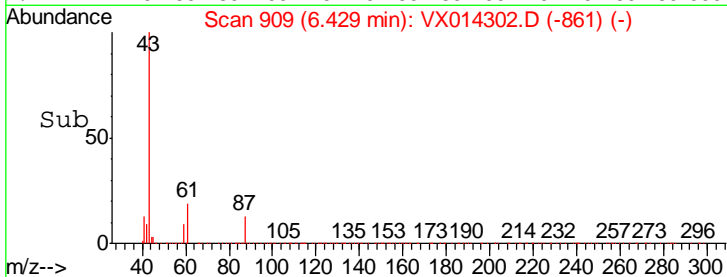
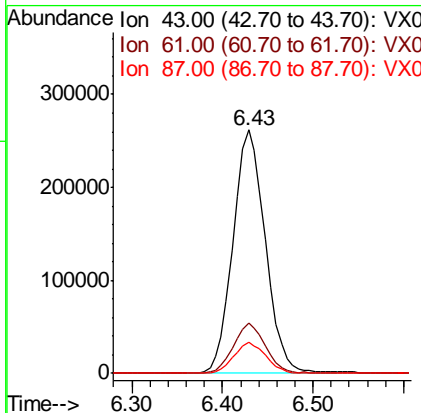
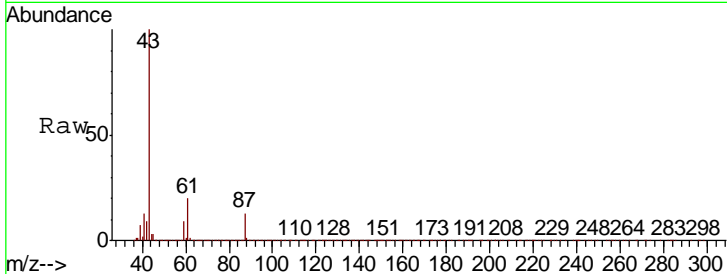
#43
 Isopropyl Acetate
 Concen: 50.090 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.5	16.4	24.6
87	12.6	10.7	16.1

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

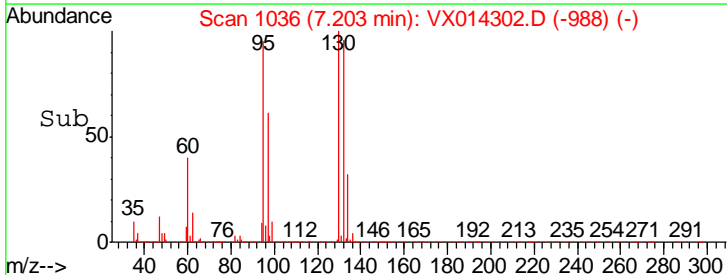
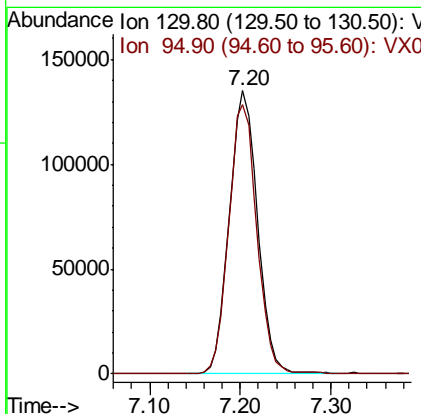
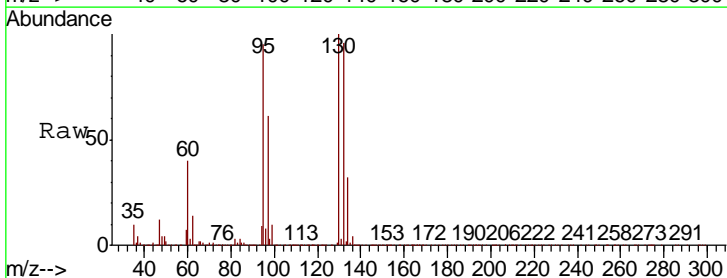
Manual Integrations
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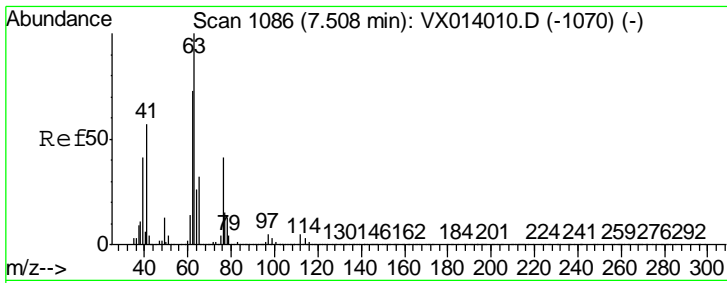
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#44
 Trichloroethene
 Concen: 48.676 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.0	0.0	185.6



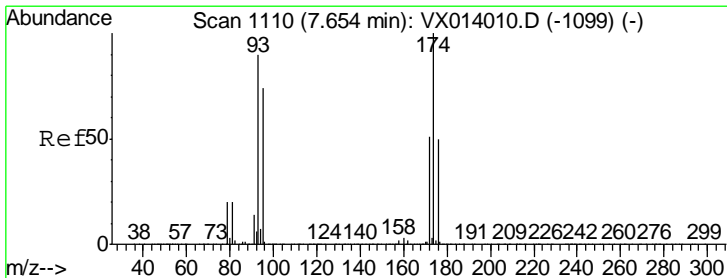
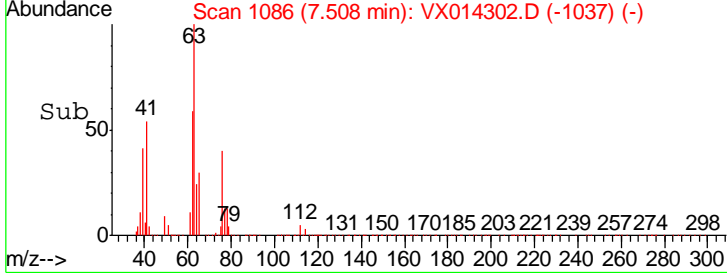
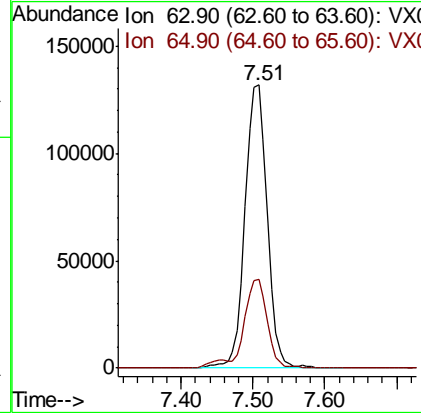
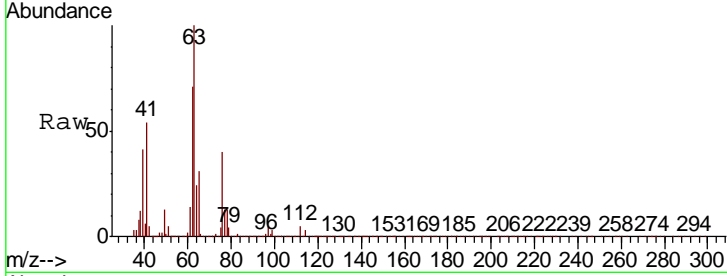


#45
 1,2-Dichloropropane
 Concen: 50.770 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.1	25.8	38.8

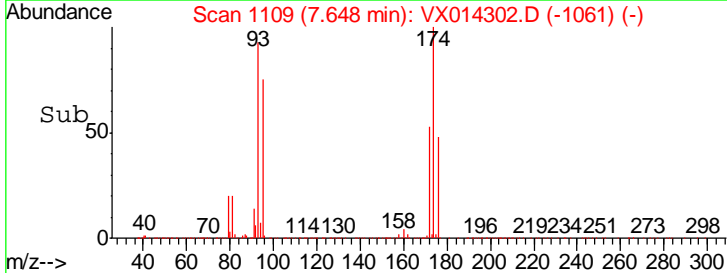
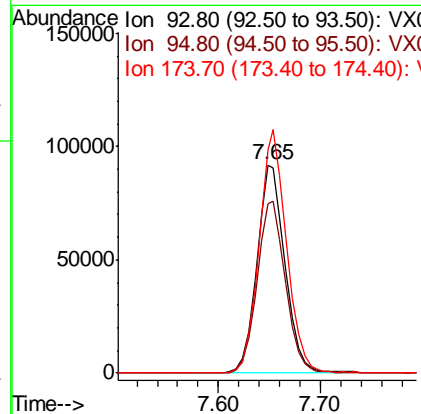
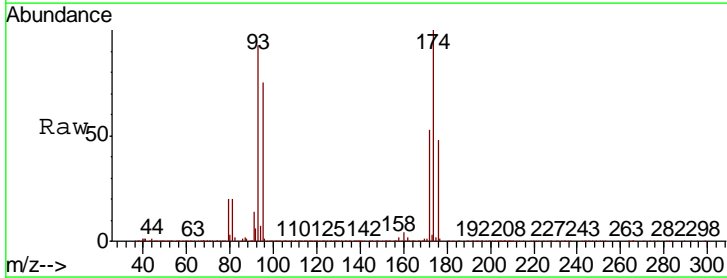
Instrument : MSVOA_X
 ClientSampled : VSTDC050

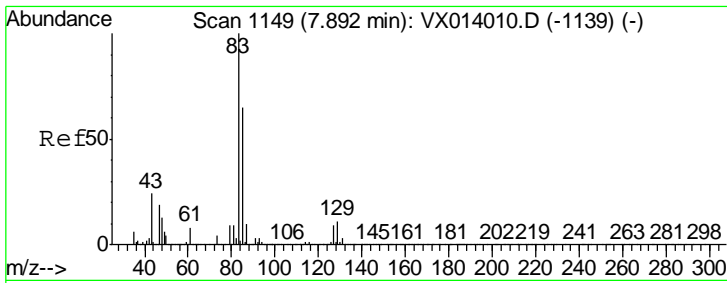
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#46
 Dibromomethane
 Concen: 47.835 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
93	100		
95	82.9	67.3	100.9
174	114.1	91.6	137.4





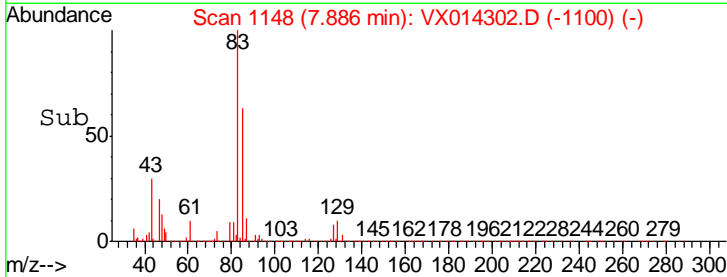
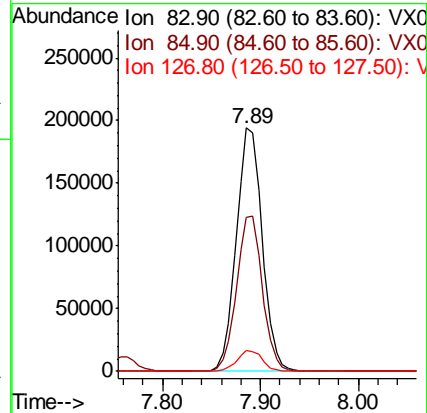
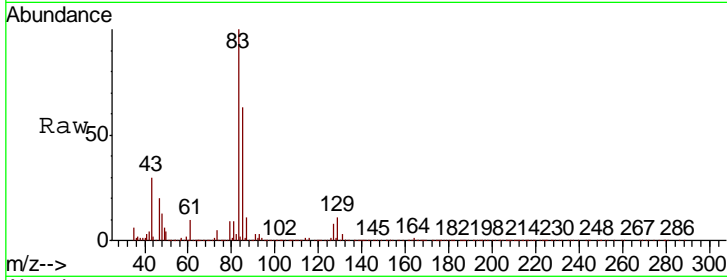
#47
 Bromodichloromethane
 Concen: 51.478 ug/l
 RT: 7.89 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.2	51.8	77.8
127	8.5	7.0	10.4

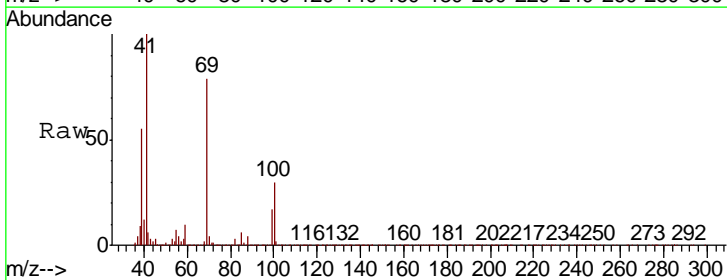
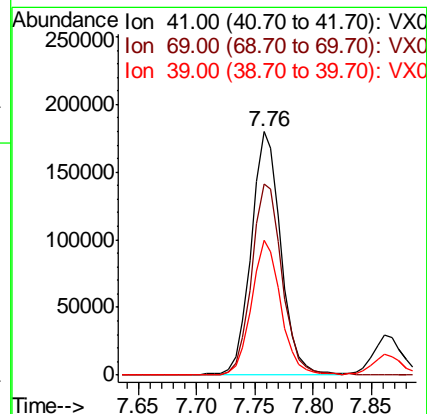
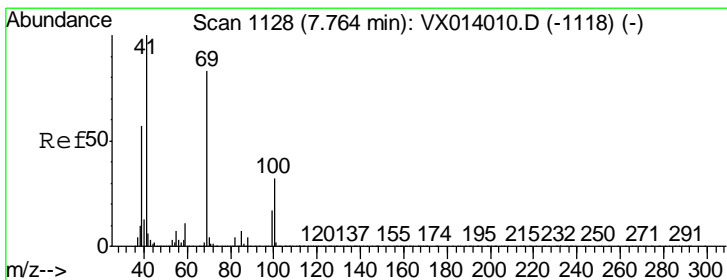
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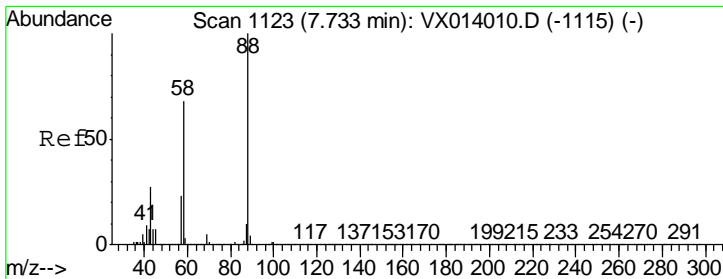
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#48
 Methyl methacrylate
 Concen: 50.433 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
41	100		
69	80.6	65.8	98.6
39	54.1	44.6	67.0





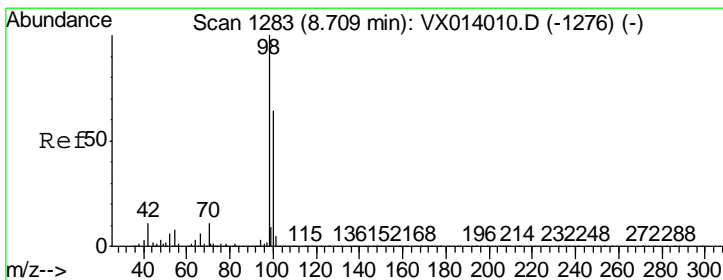
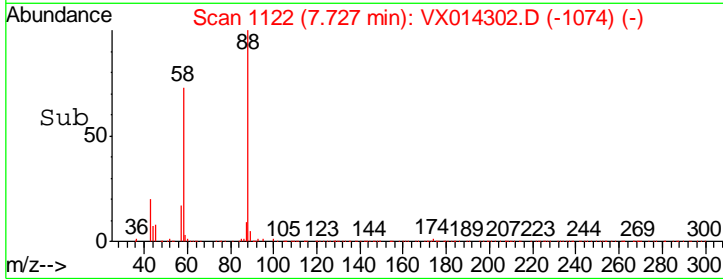
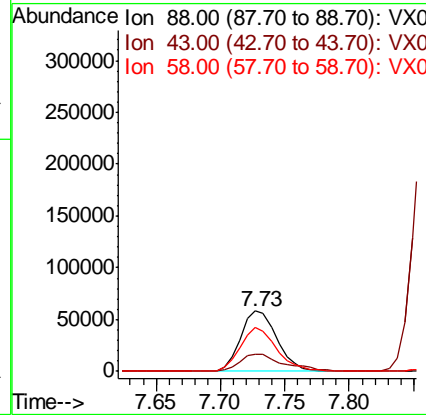
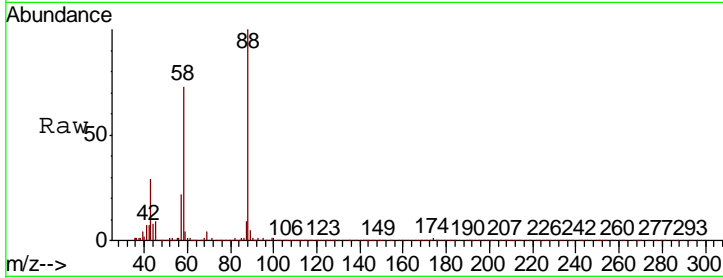
#49
 1,4-Dioxane
 Concen: 884.184 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
88	113638		
88	100		
43	34.3	26.5	39.7
58	73.1	56.8	85.2

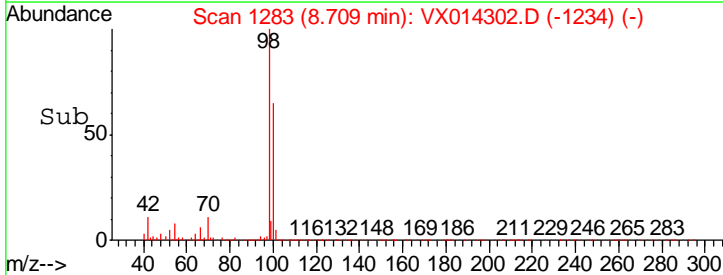
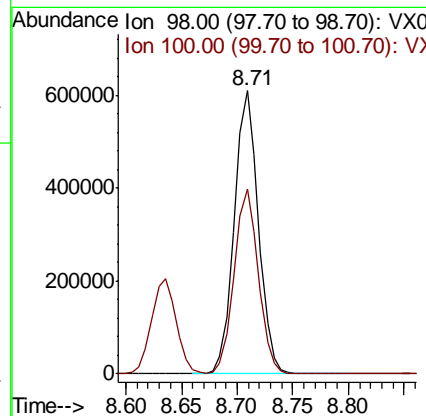
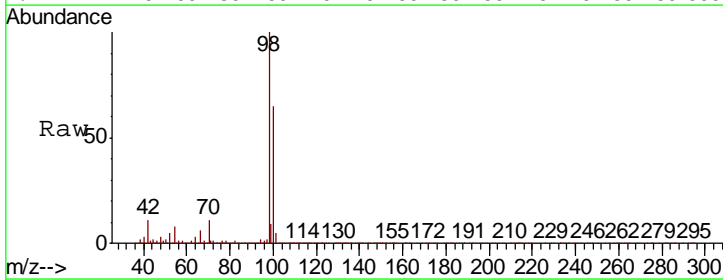
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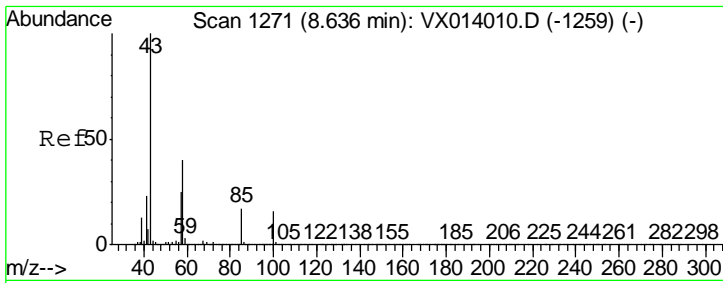
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#50
 Toluene-d8
 Concen: 49.953 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
98	909303		
98	100		
100	65.7	52.9	79.3





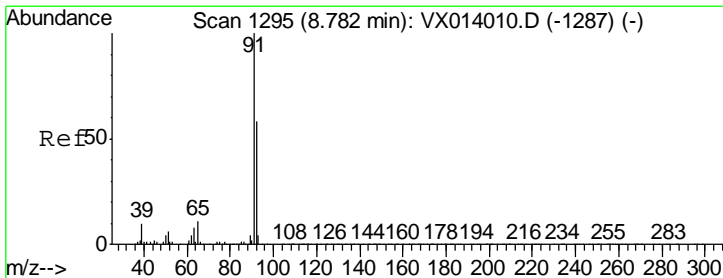
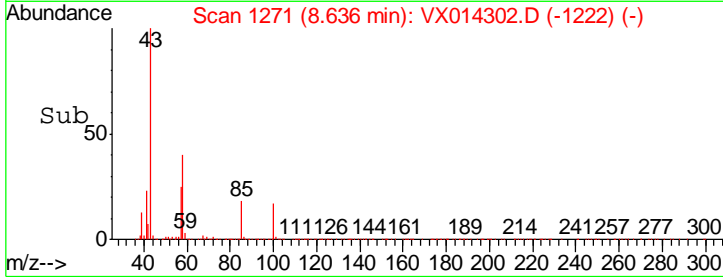
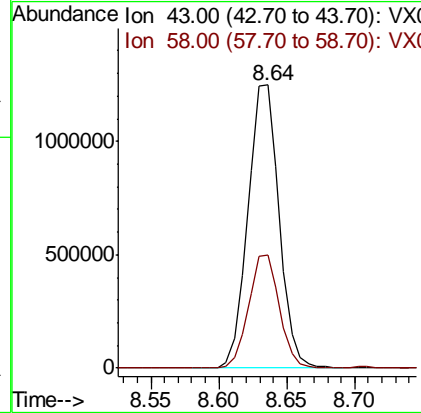
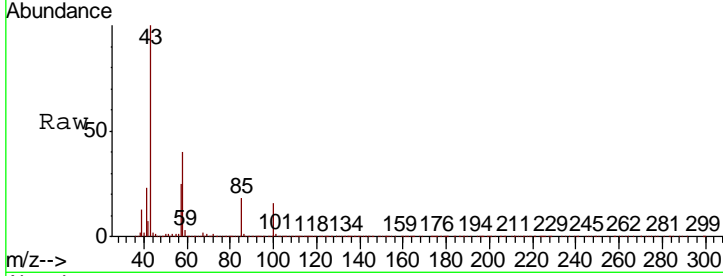
#51
 4-Methyl-2-Pentanone
 Concen: 247.374 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument :
 MSVOA_X
 Client Sampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.5	32.2	48.2

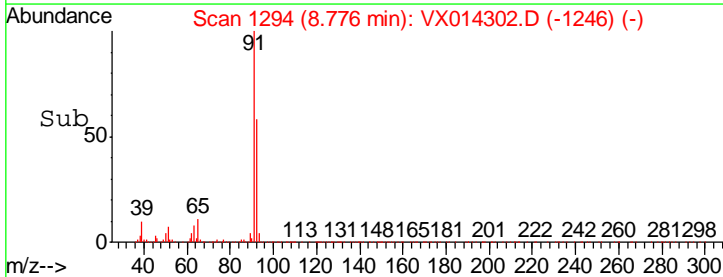
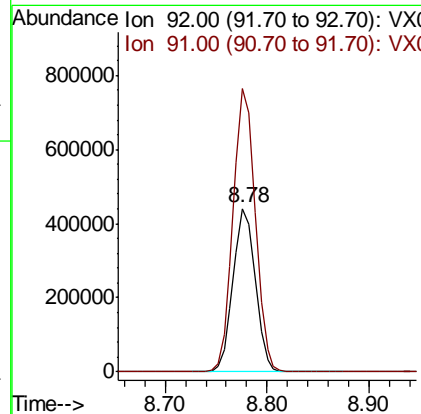
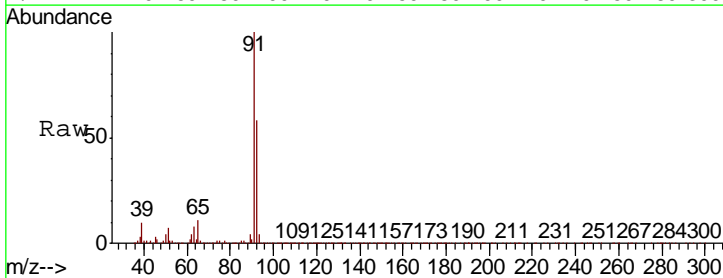
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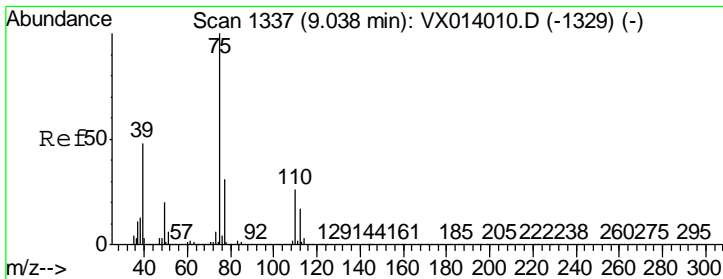
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#52
 Toluene
 Concen: 48.479 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
92	100		
91	173.0	136.2	204.4





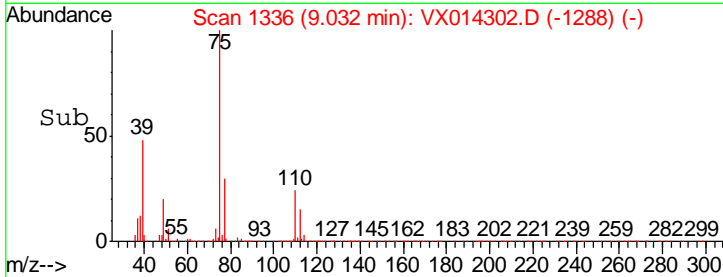
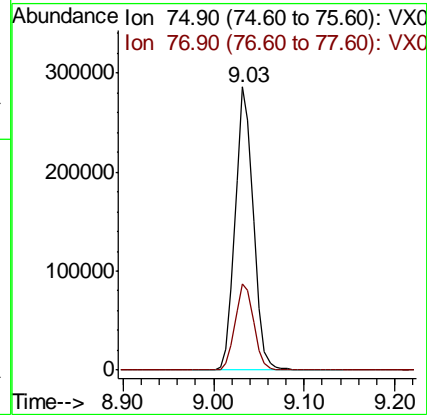
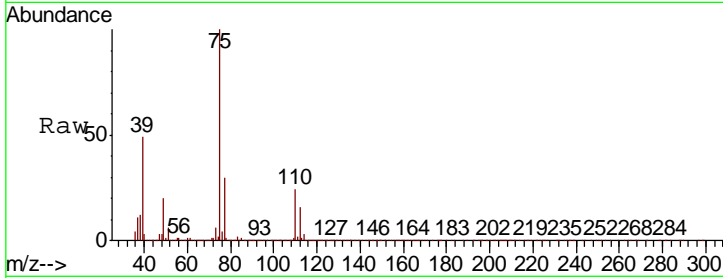
#53
 t-1,3-Dichloropropene
 Concen: 52.175 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
75	396477		
75	100		
77	30.4	25.1	37.7

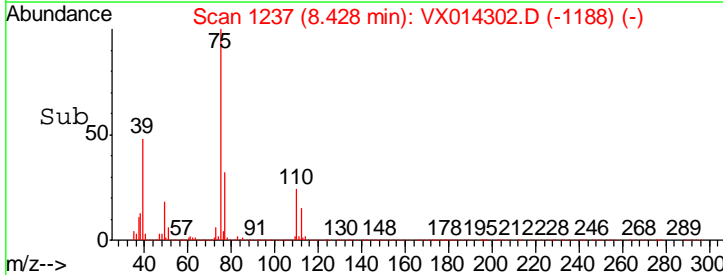
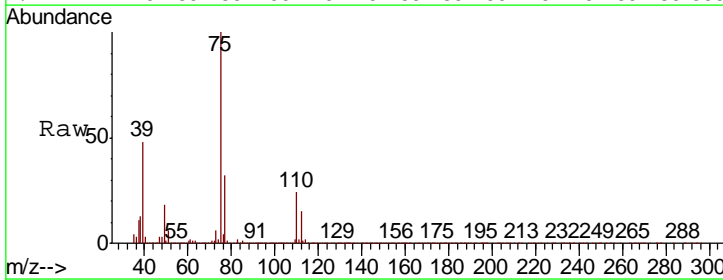
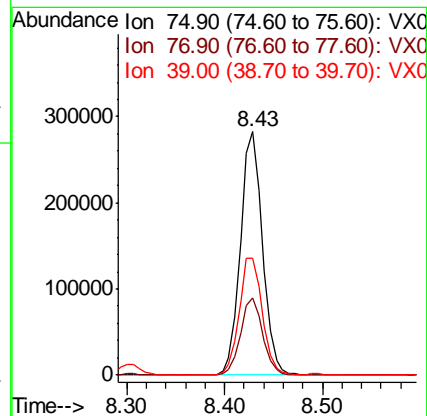
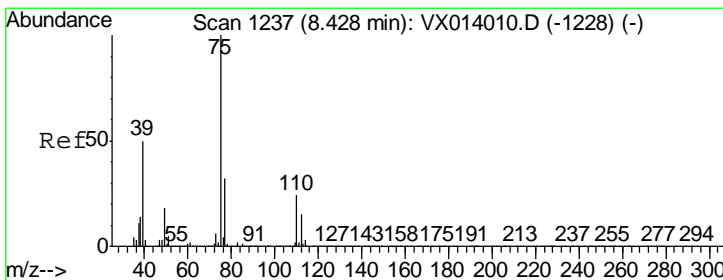
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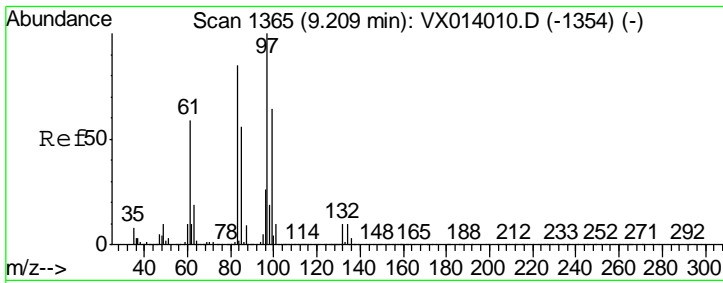
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#54
 cis-1,3-Dichloropropene
 Concen: 52.242 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
75	442272		
75	100		
77	31.6	25.3	37.9
39	48.1	39.9	59.9





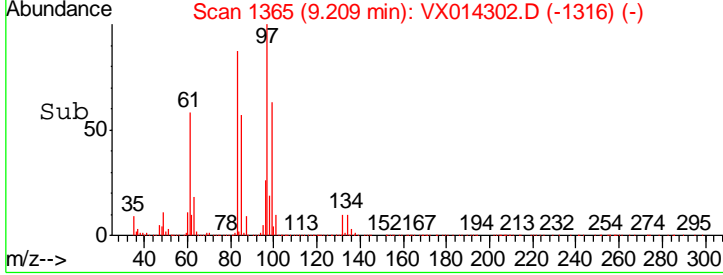
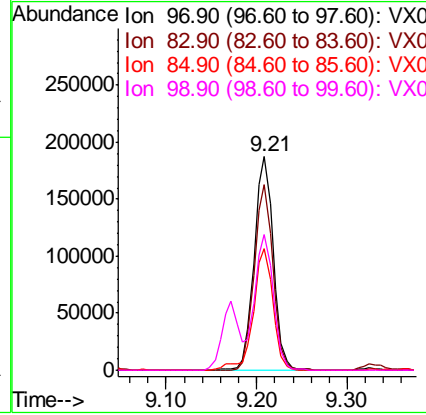
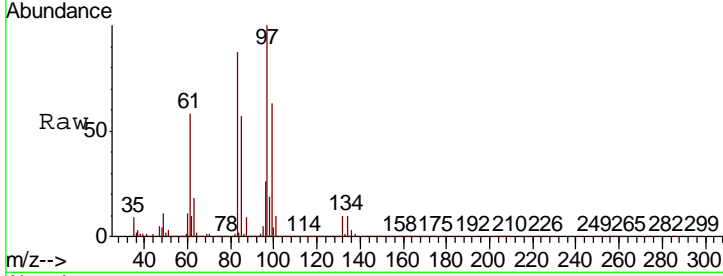
#55
 1,1,2-Trichloroethane
 Concen: 49.733 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
97	100		
83	87.1	68.2	102.4
85	57.1	44.6	66.8
99	63.4	51.4	77.0

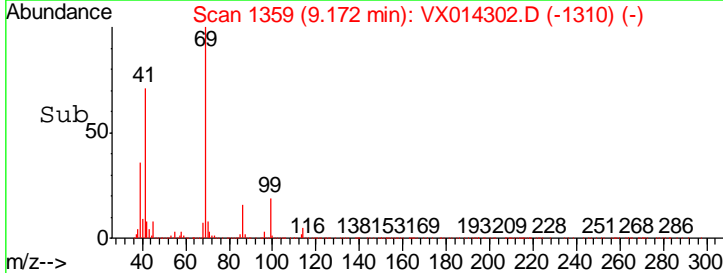
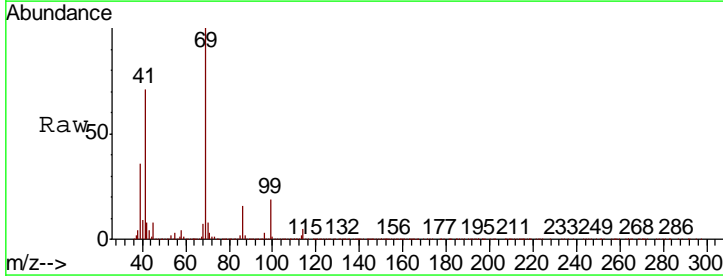
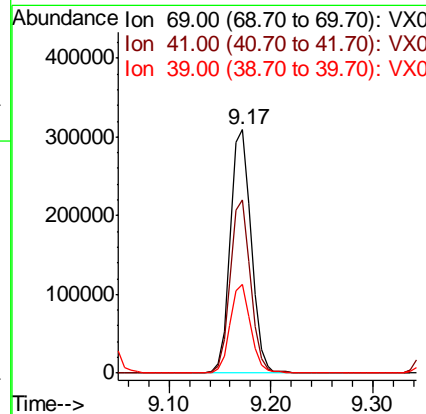
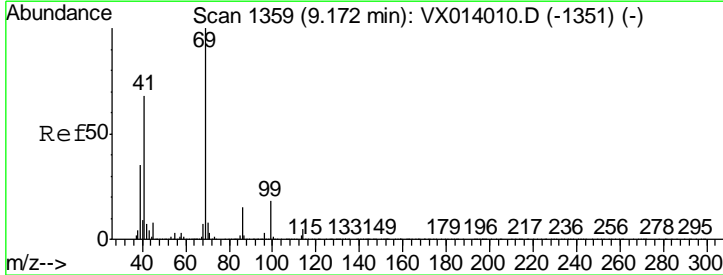
Manual Integrations
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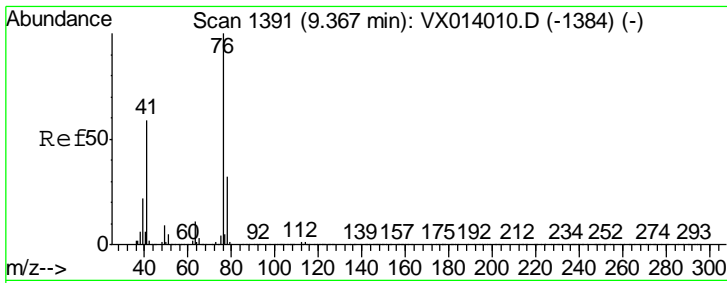
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#56
 Ethyl methacrylate
 Concen: 50.528 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
69	100		
41	68.9	54.8	82.2
39	35.4	28.3	42.5



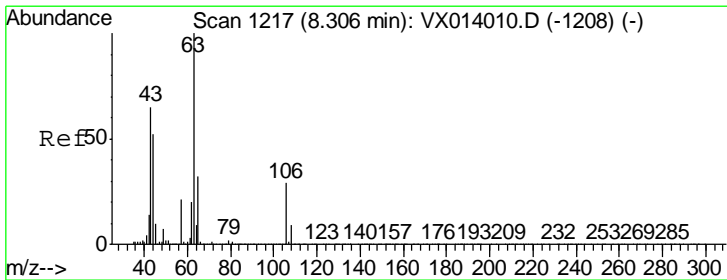
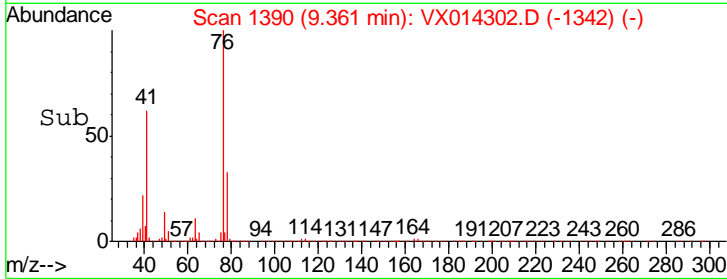
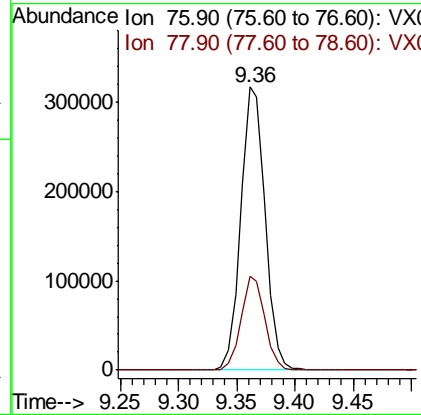
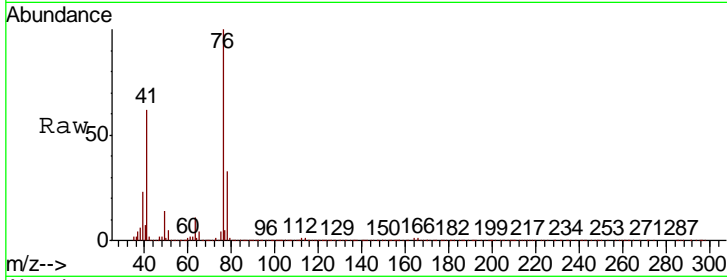


#57
 1,3-Dichloropropane
 Concen: 49.919 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
76	462008		
76	100		
78	32.2	25.8	38.6

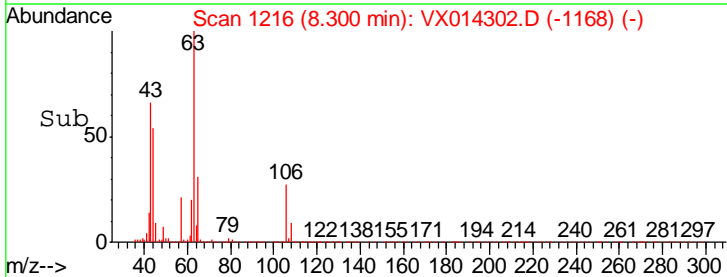
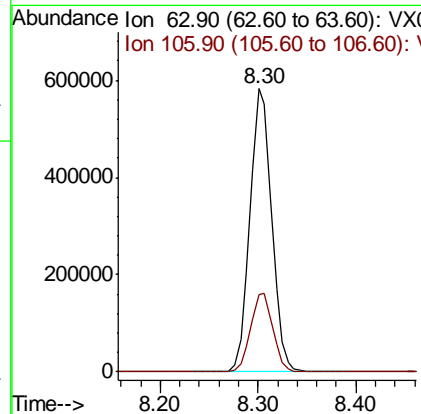
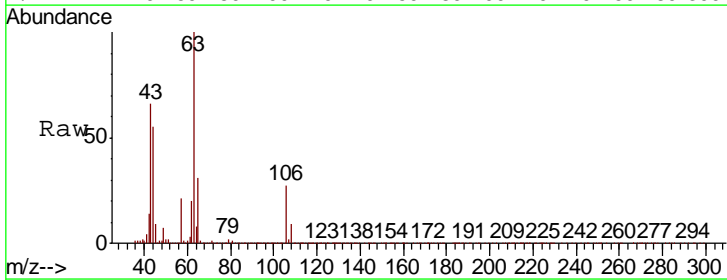
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050

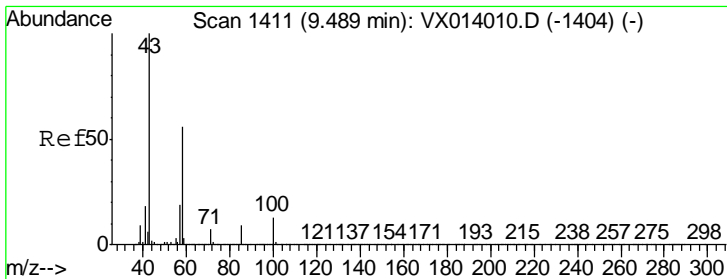
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#58
 2-Chloroethyl Vinyl ether
 Concen: 274.920 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
63	899003		
63	100		
106	28.4	23.0	34.6





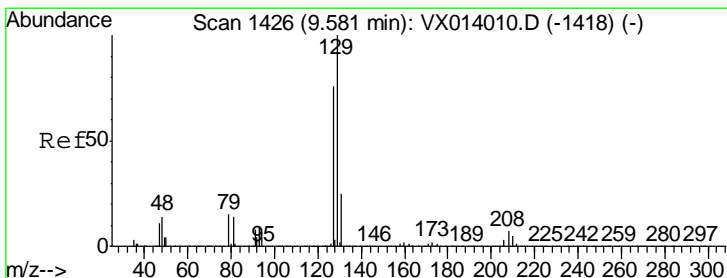
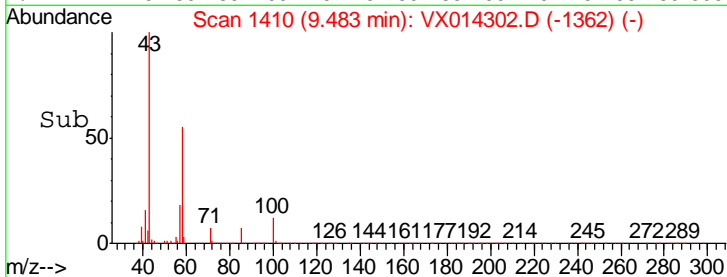
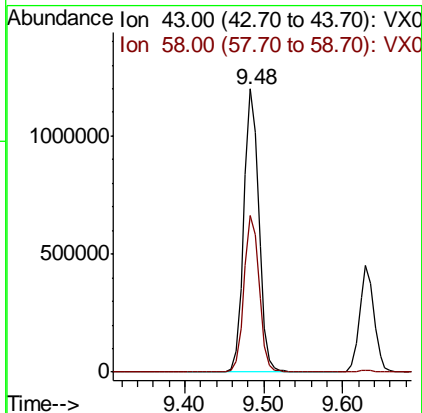
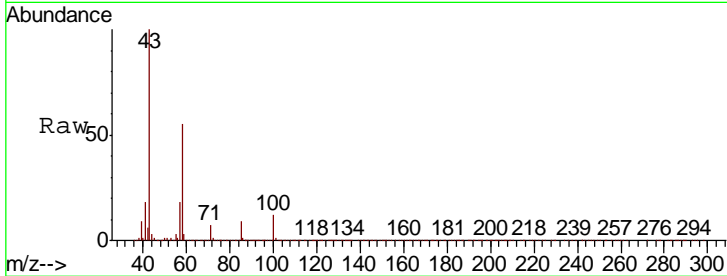
#59
 2-Hexanone
 Concen: 243.392 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
43	1587018		
58	55.9	28.0	84.0

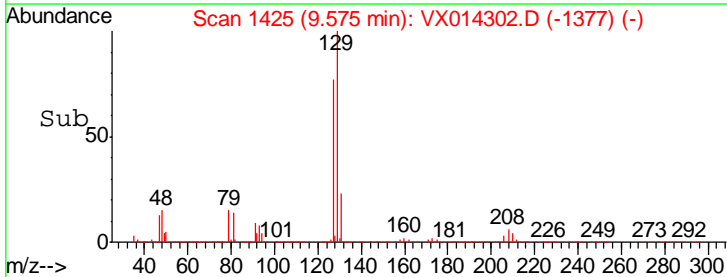
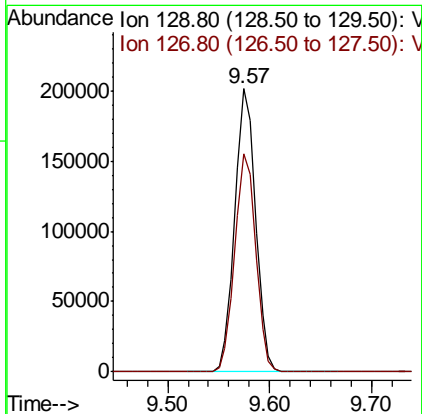
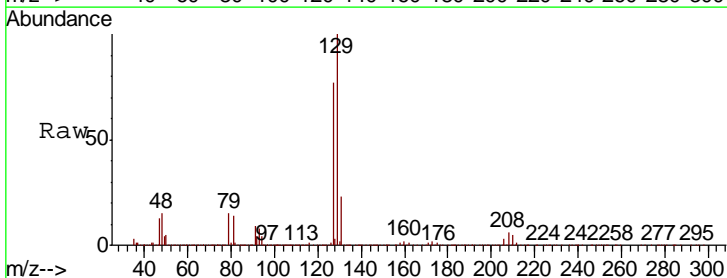
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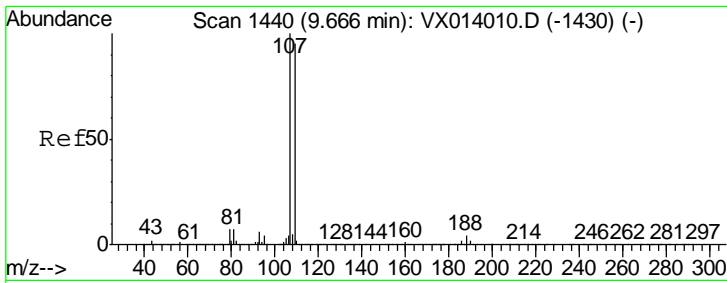
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#60
 Dibromochloromethane
 Concen: 51.776 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
129	283107		
127	77.4	38.4	115.2



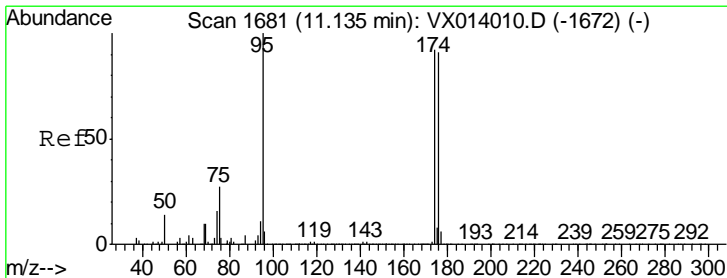
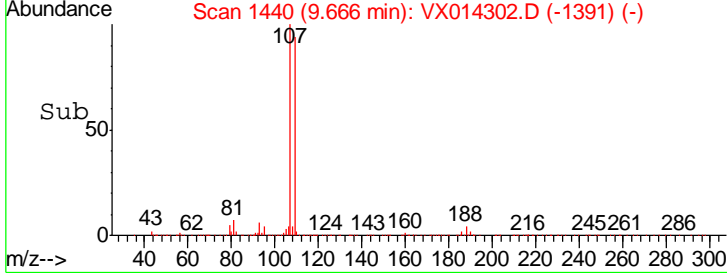
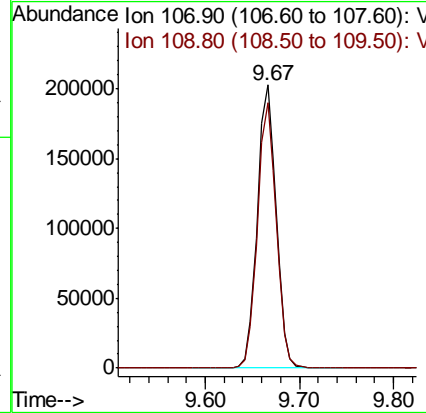
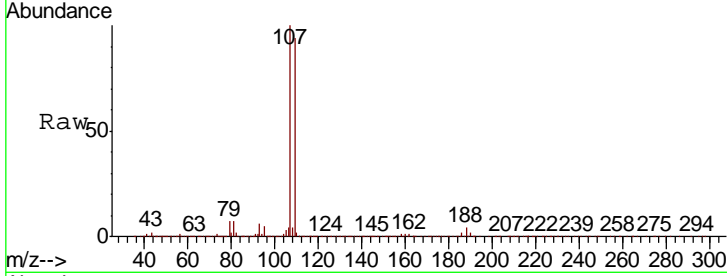


#61
 1,2-Dibromoethane
 Concen: 50.124 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
107	282109		
109	93.9	75.7	113.5

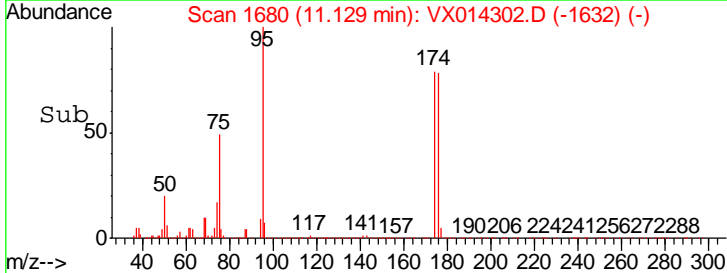
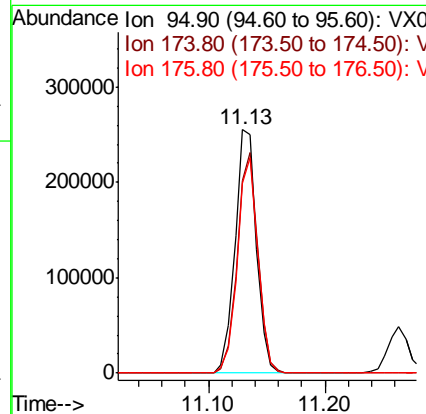
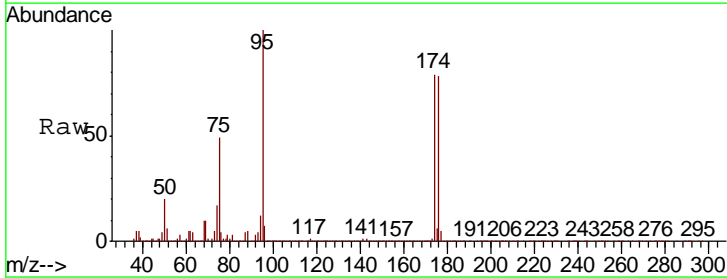
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

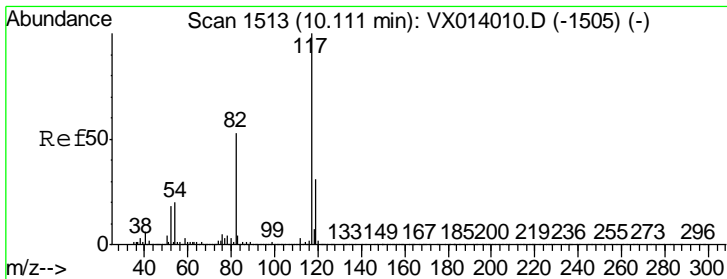
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#62
 4-Bromofluorobenzene
 Concen: 49.107 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
95	326756		
174	87.8	0.0	175.8
176	85.4	0.0	173.0





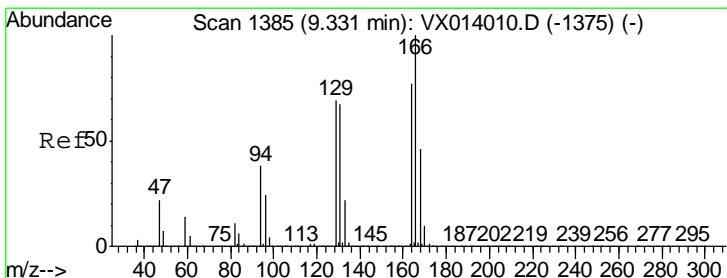
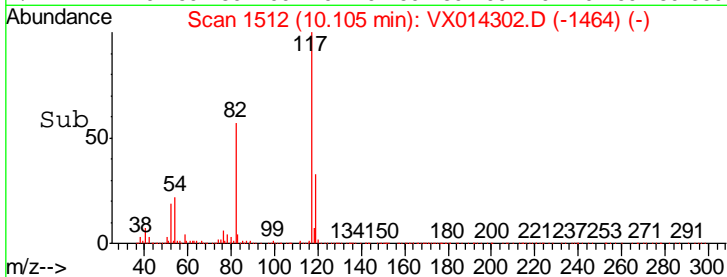
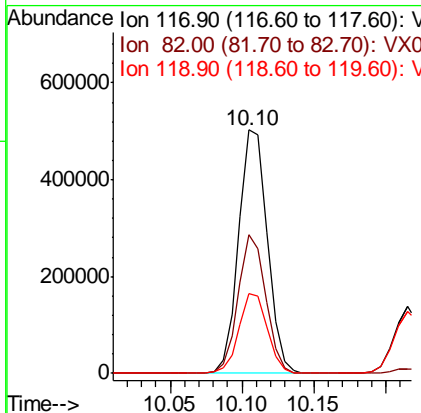
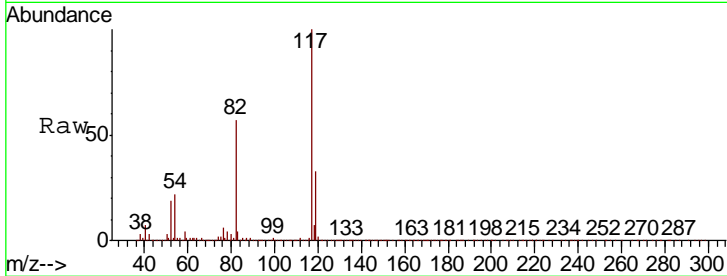
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
117	696368		
82	56.9	42.2	63.4
119	32.8	25.1	37.7

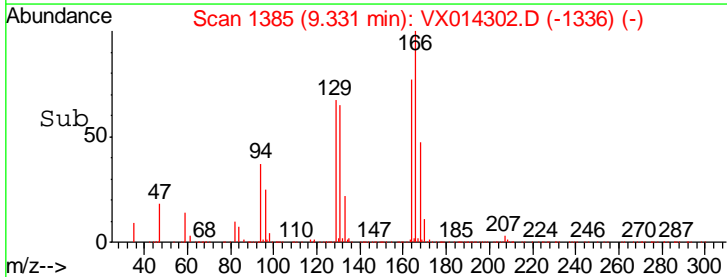
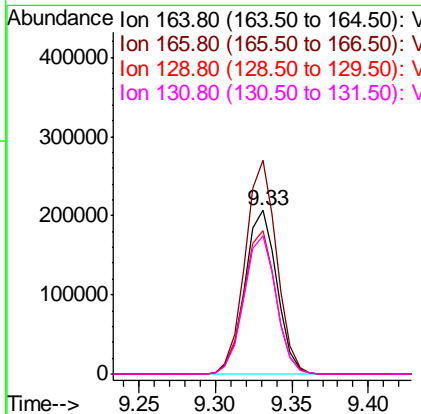
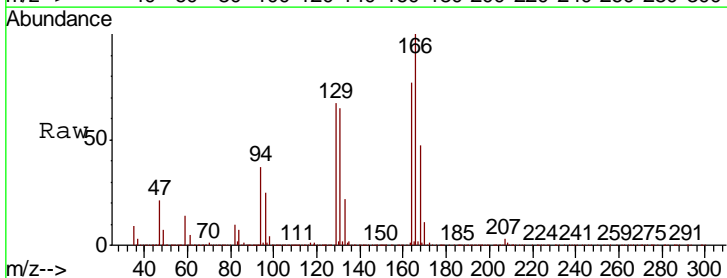
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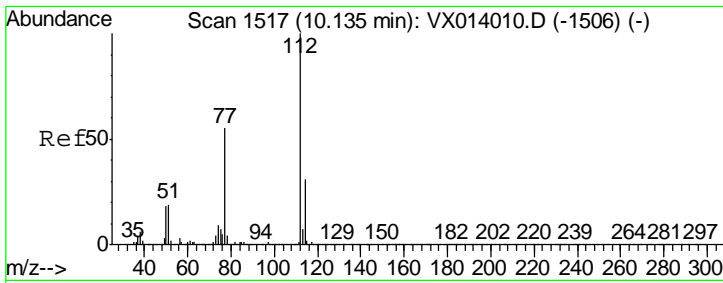
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#64
 Tetrachloroethene
 Concen: 48.932 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
164	301519		
166	130.6	104.0	156.0
129	87.8	72.2	108.4
131	84.5	69.6	104.4



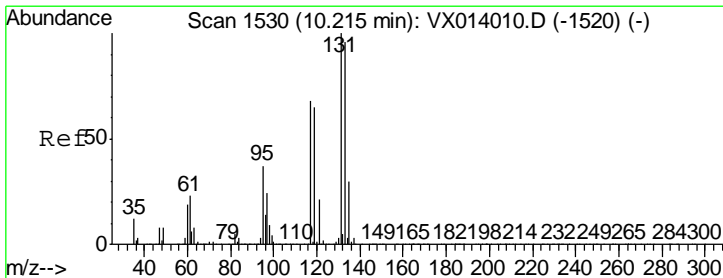
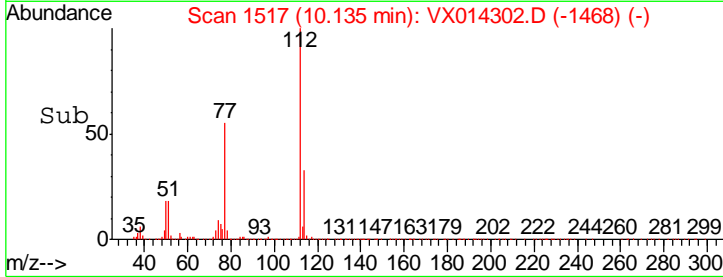
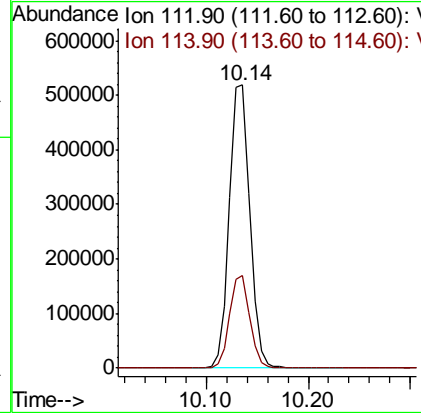
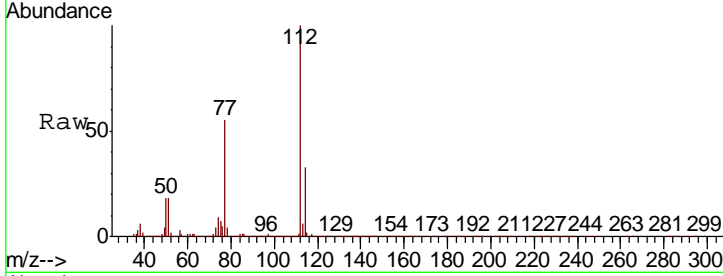


#65
 Chlorobenzene
 Concen: 48.861 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

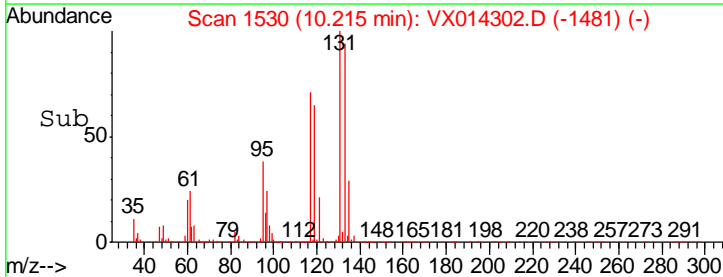
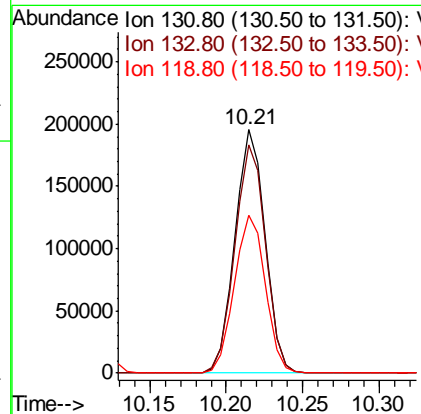
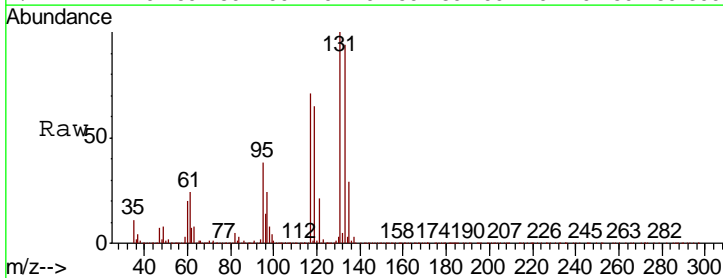
Tgt Ion	Resp	Lower	Upper
112	723465		
114	32.7	24.9	37.3

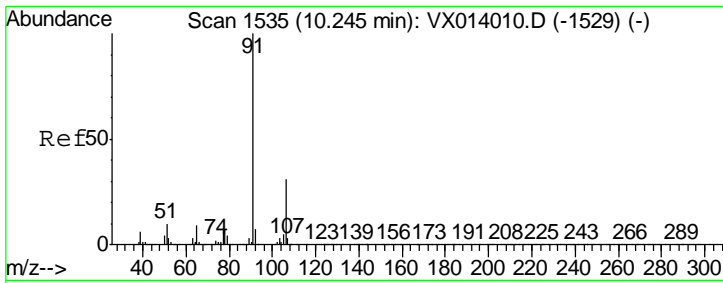
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.446 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
131	266696		
133	95.1	48.0	144.0
119	66.3	33.4	100.2





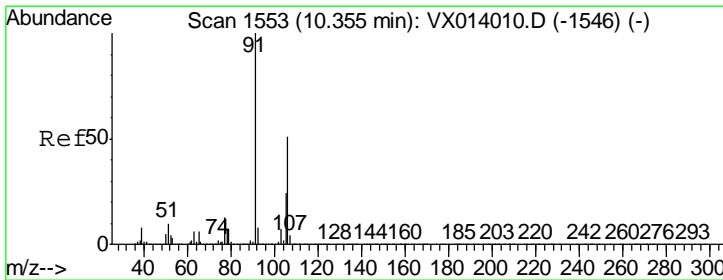
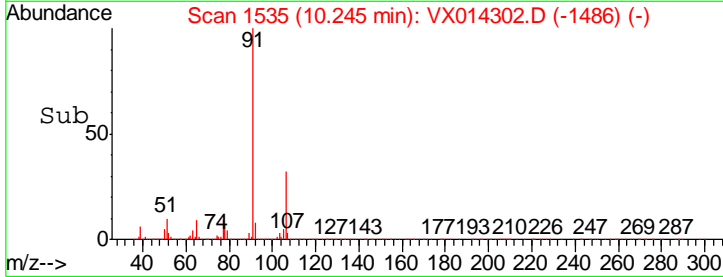
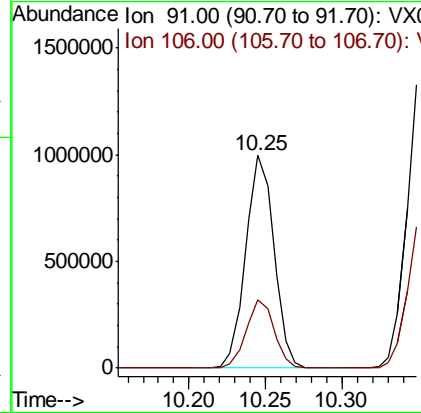
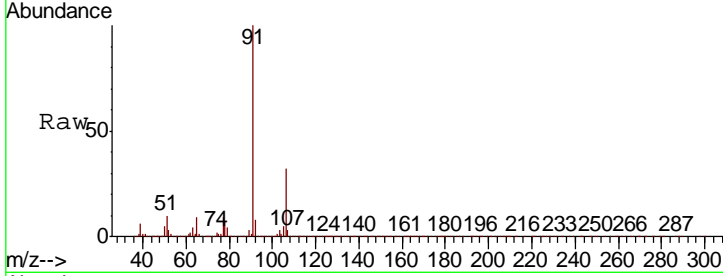
#67
Ethyl Benzene
Concen: 50.318 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014302.D
Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
ClientSampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
91	1280881		
106	32.2	25.0	37.6

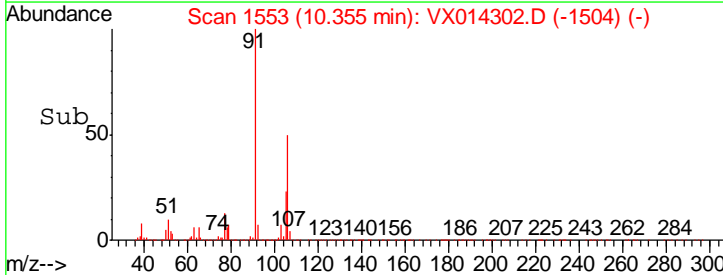
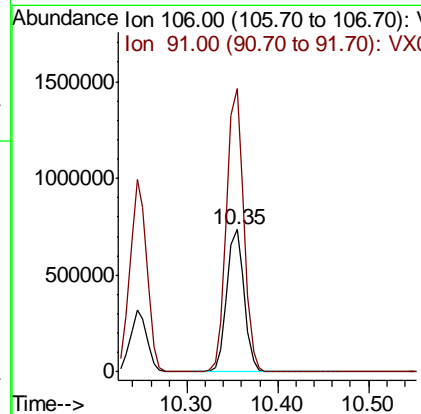
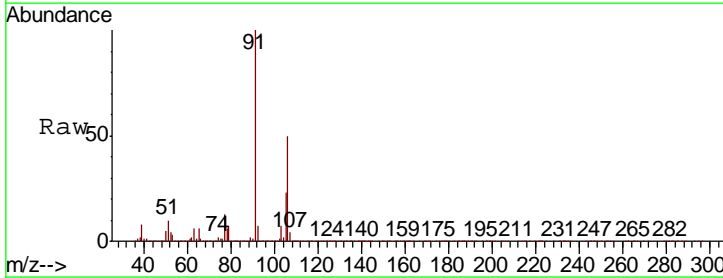
Manual Integrations
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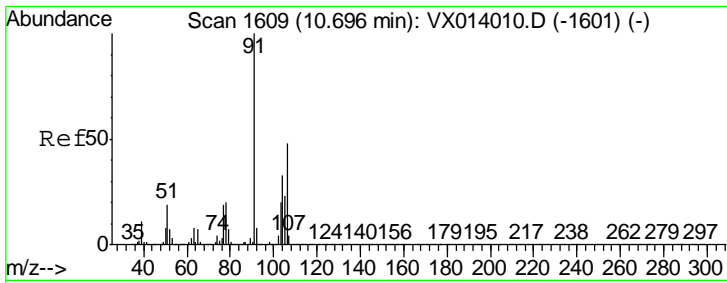
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#68
m/p-Xylenes
Concen: 100.741 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014302.D
Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
106	986317		
91	197.6	158.6	238.0



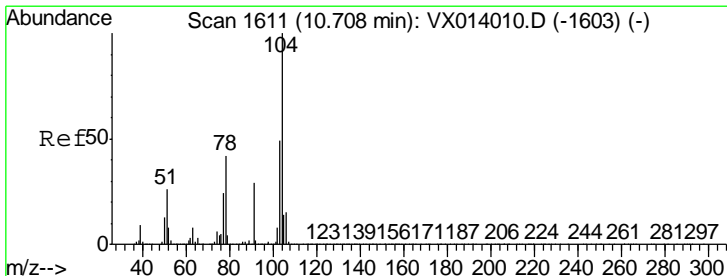
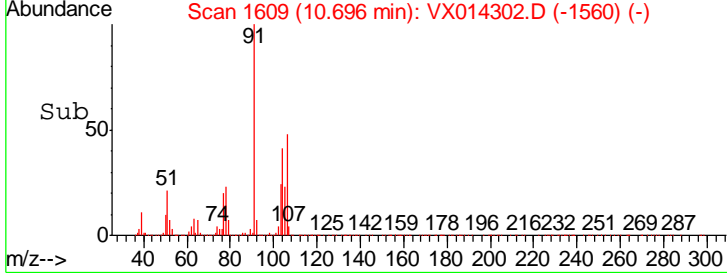
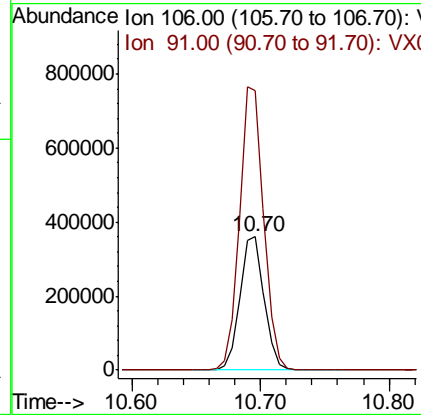
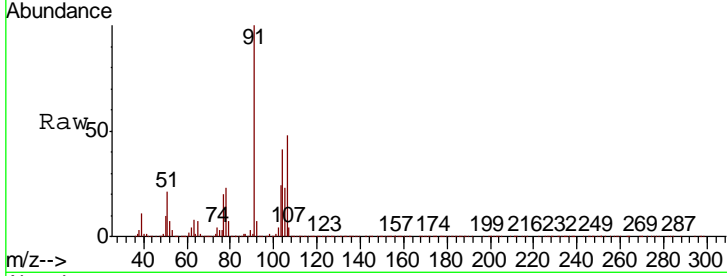


#69
 o-Xylene
 Concen: 49.004 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

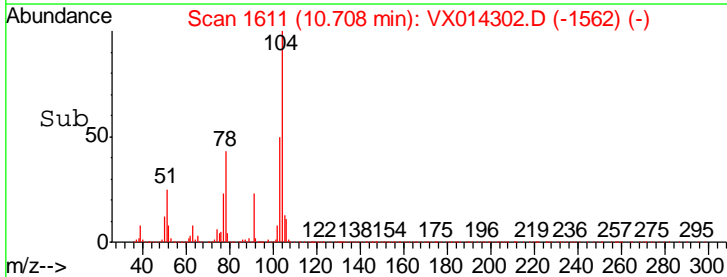
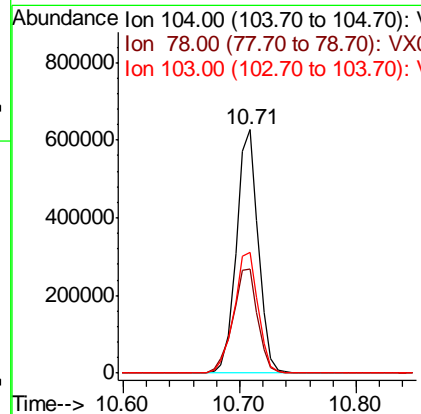
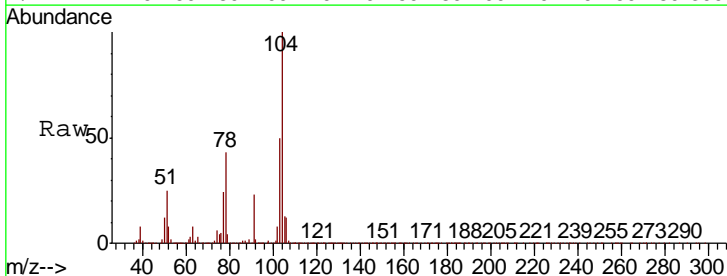
Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.9	104.2	312.6

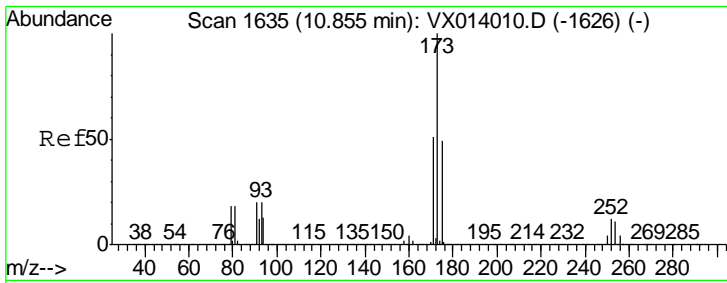
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#70
 Styrene
 Concen: 50.245 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.5	57.7
103	54.6	42.9	64.3



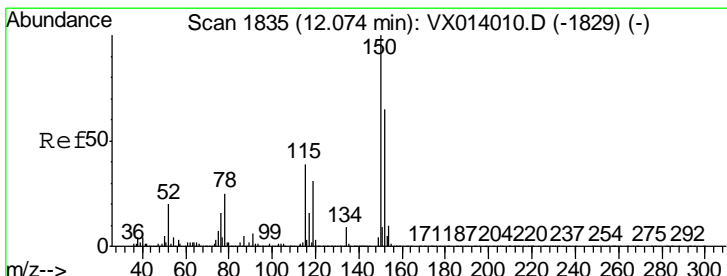
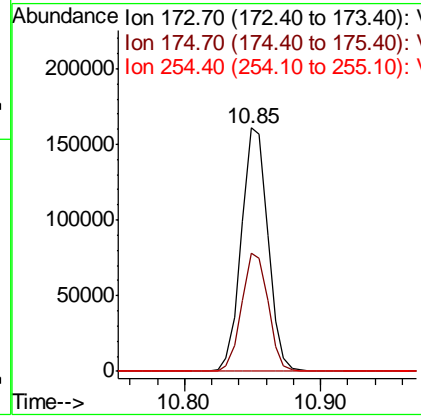
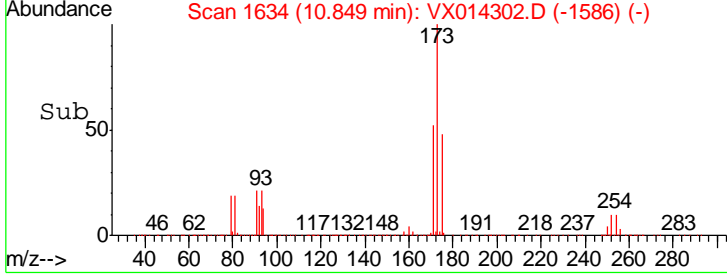
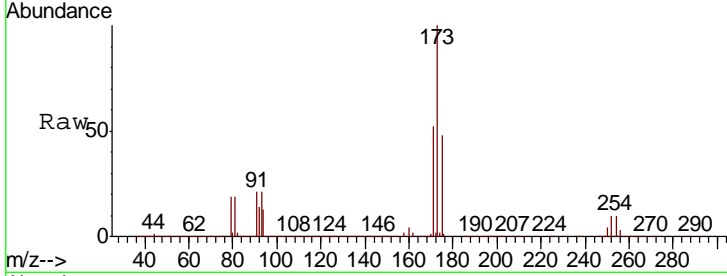


#71
 Bromoform
 Concen: 51.690 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

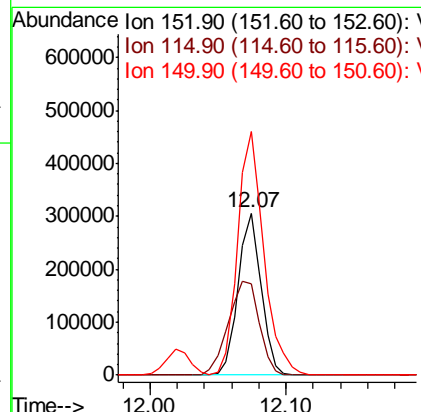
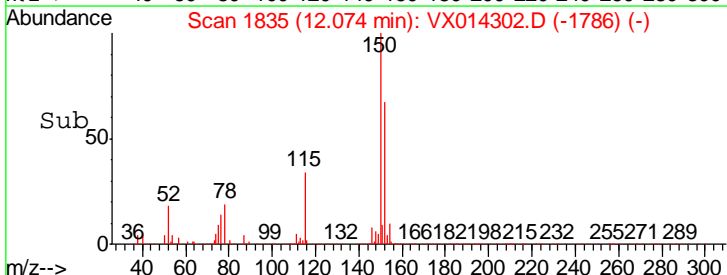
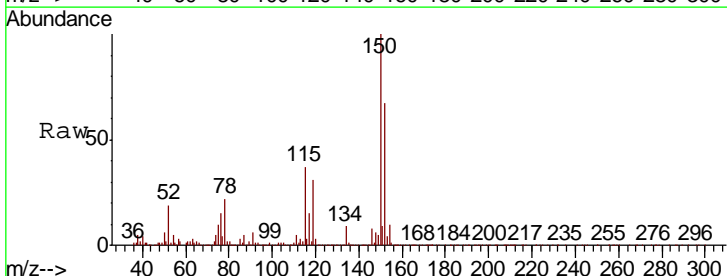
Tgt Ion	Resp	Lower	Upper
173	219667		
175	48.3	24.4	73.4
254	0.3	0.2	0.2

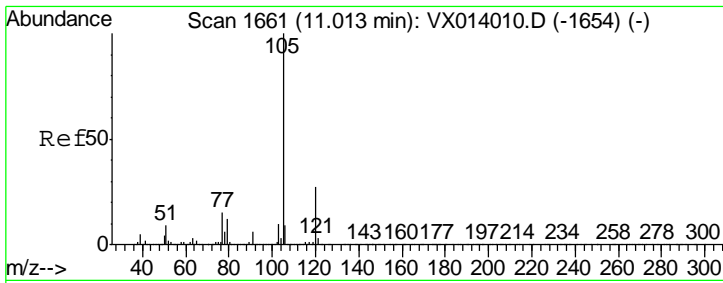
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
152	361319		
152	100		
115	77.8	38.3	114.9
150	170.1	0.0	345.4





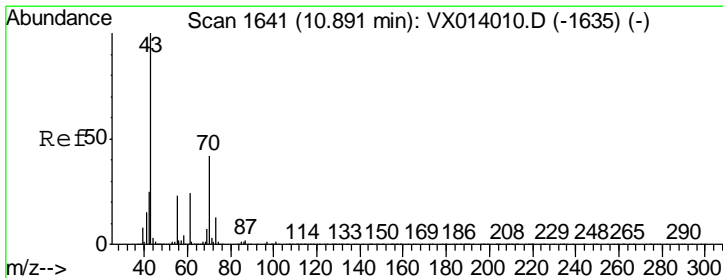
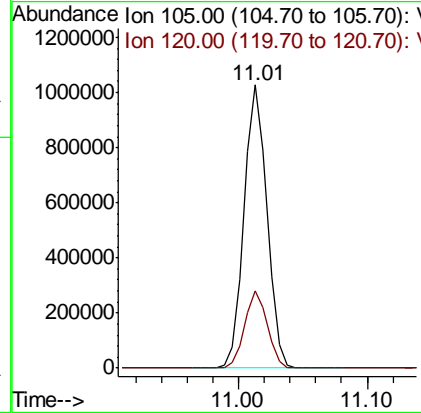
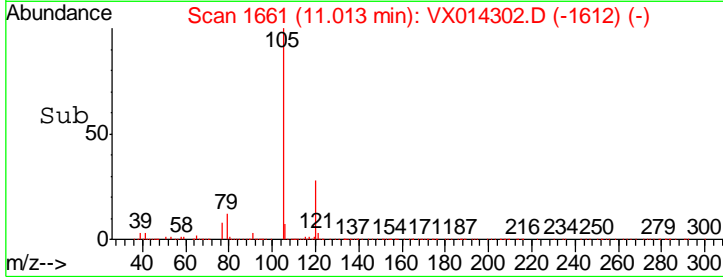
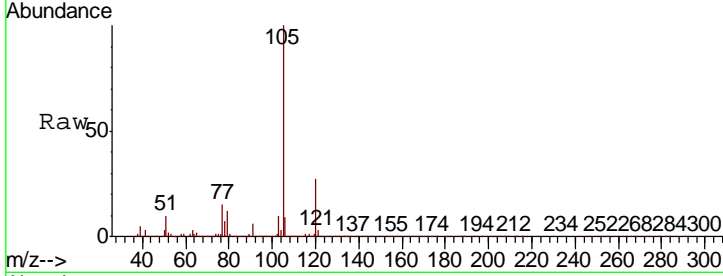
#73
 Isopropylbenzene
 Concen: 49.579 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

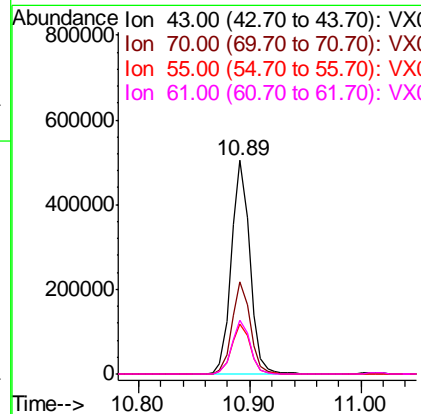
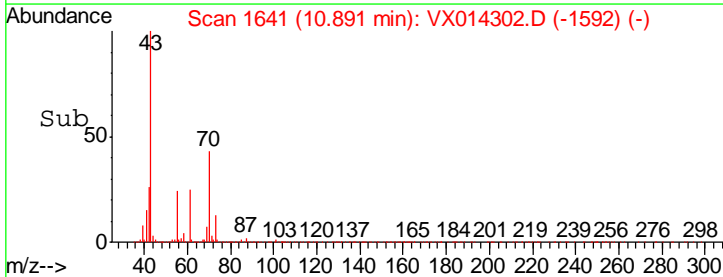
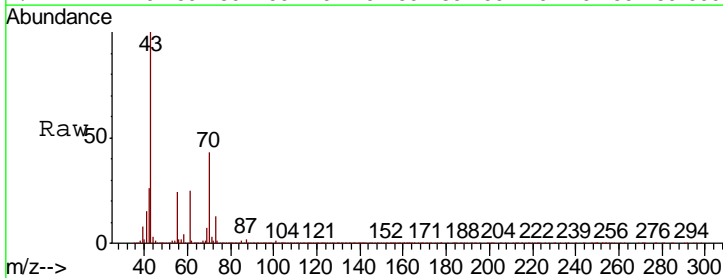
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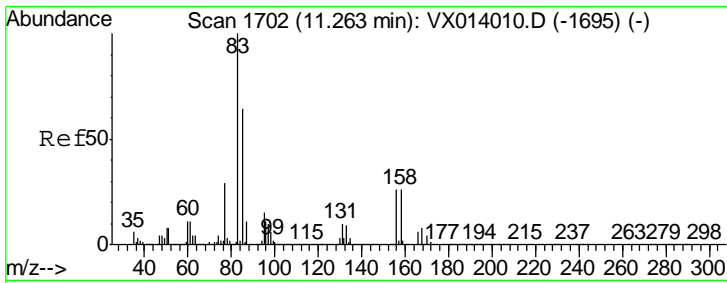
apatel
 12/30/2019 11:04:07 AM



#74
 N-ethyl acetate
 Concen: 48.460 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	23.9	19.1	28.7
61	24.8	19.7	29.5



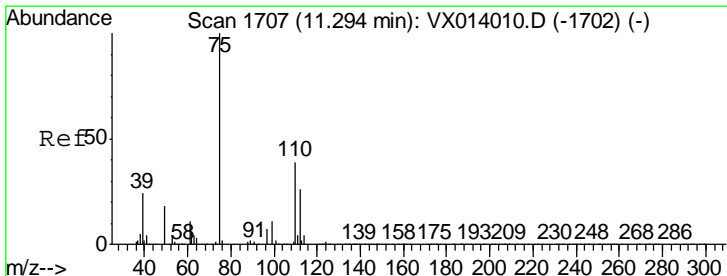
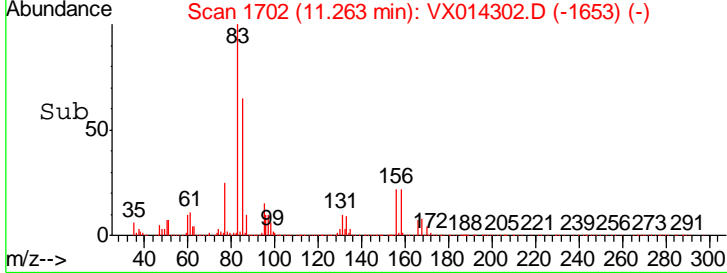
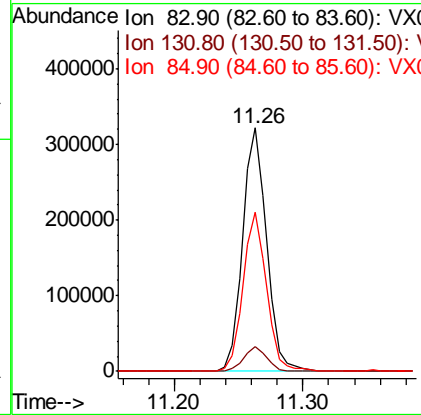
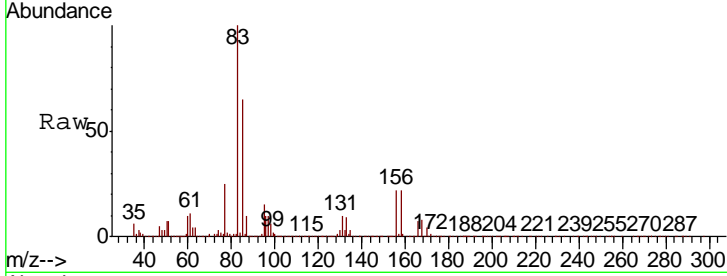


#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.772 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

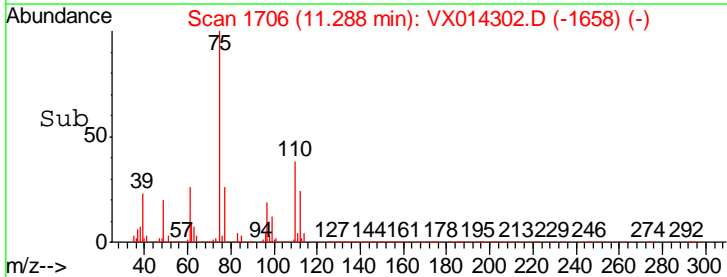
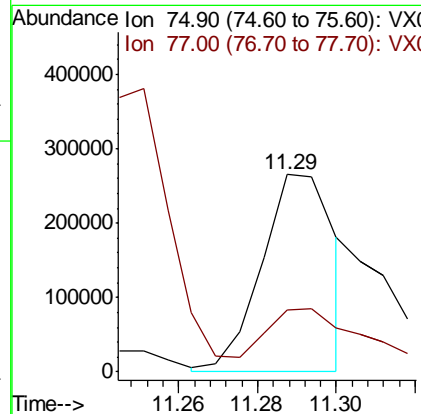
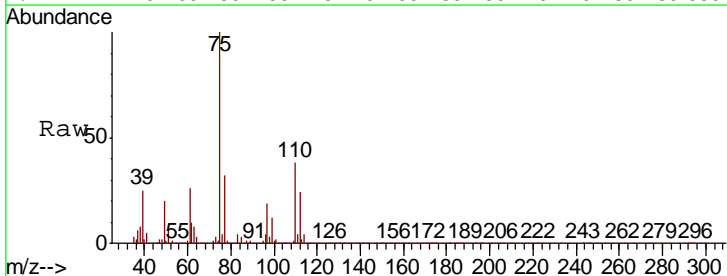
Tgt Ion	Resp	Lower	Upper
83	412518		
83	100		
131	10.0	5.1	15.2
85	64.2	31.9	95.7

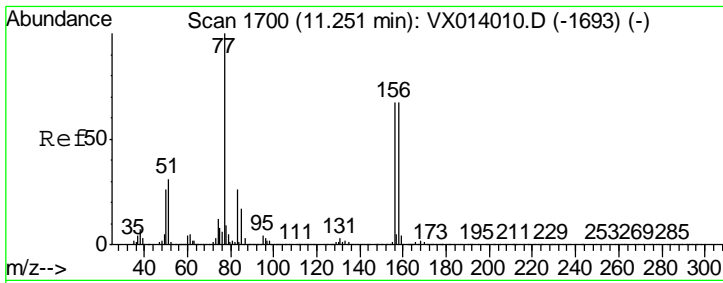
Manual Integrations
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 apatel
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#76
 1,2,3-Trichloropropane
 Concen: 43.218 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
75	339009		
75	100		
77	43.7	19.3	57.8



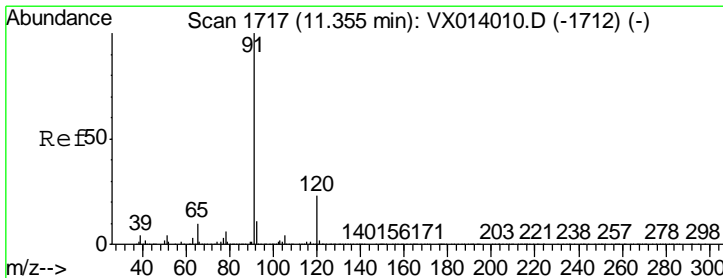
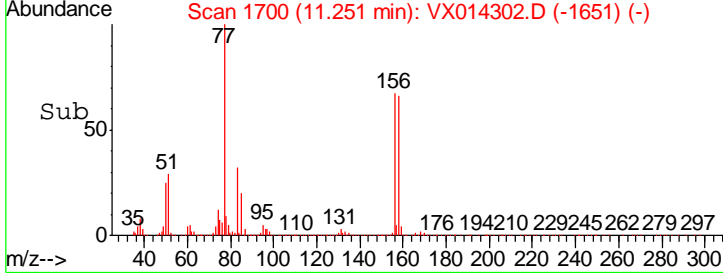
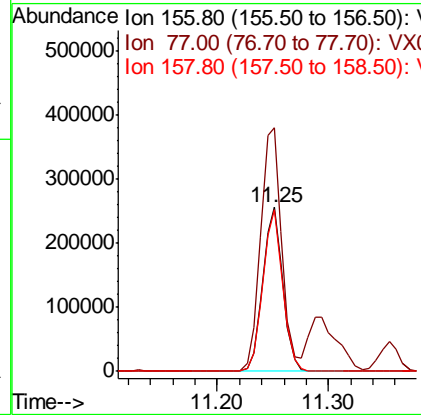
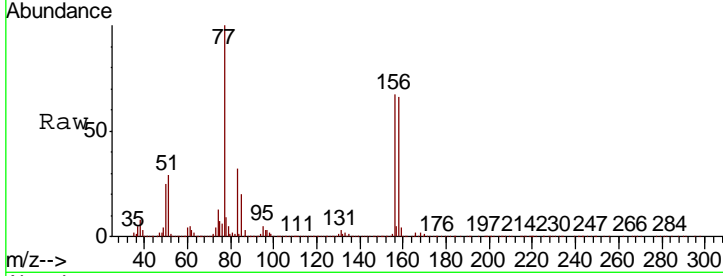


#77
 Bromobenzene
 Concen: 46.028 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

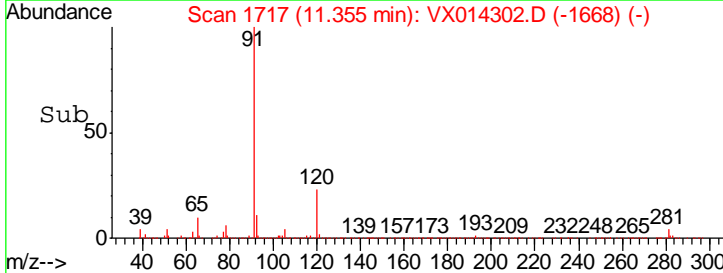
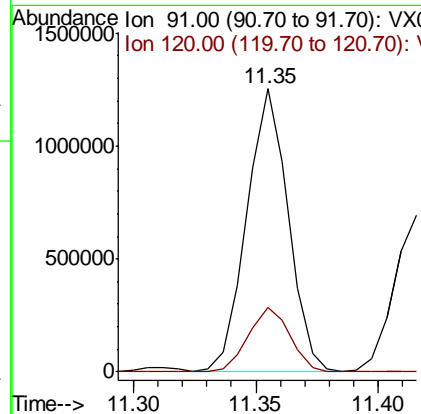
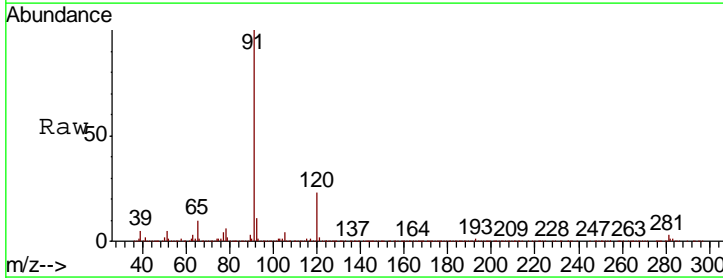
Tgt Ion	Resp	Lower	Upper
156	322167		
77	156.4	76.5	229.5
158	97.6	49.3	147.9

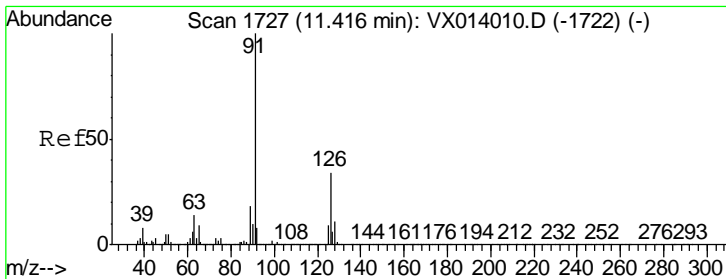
Manual Integrations
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#78
 n-propylbenzene
 Concen: 51.365 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
91	1465712		
120	23.2	11.7	35.0



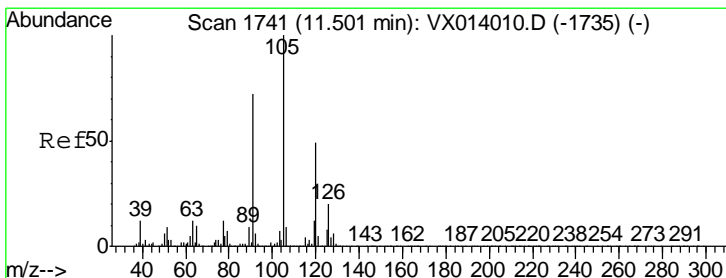
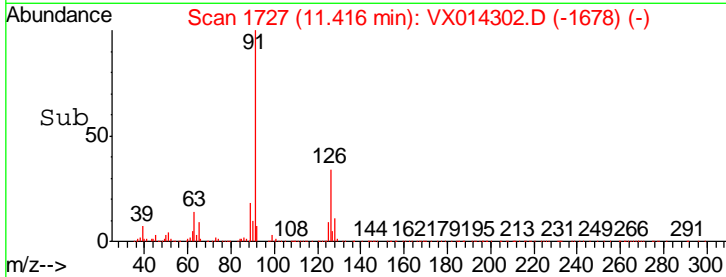
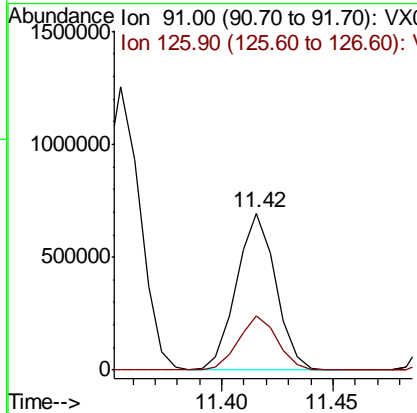
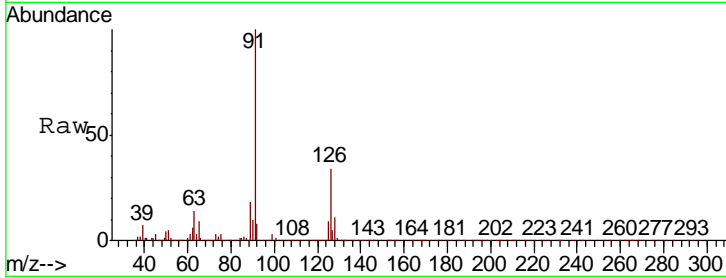


#79
 2-Chlorotoluene
 Concen: 48.954 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

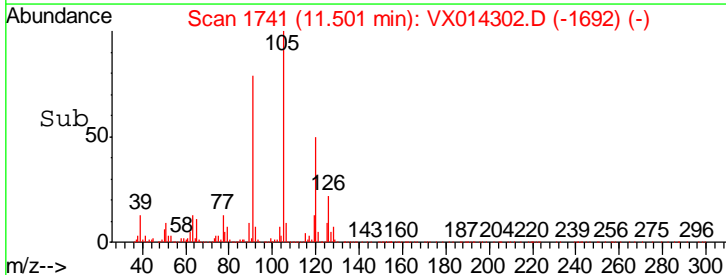
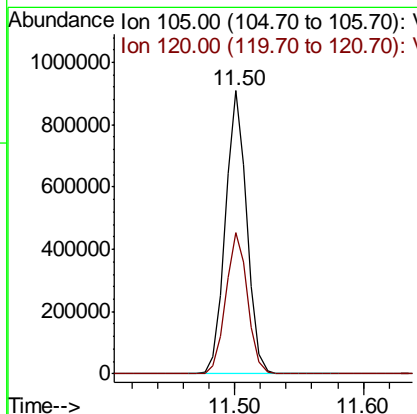
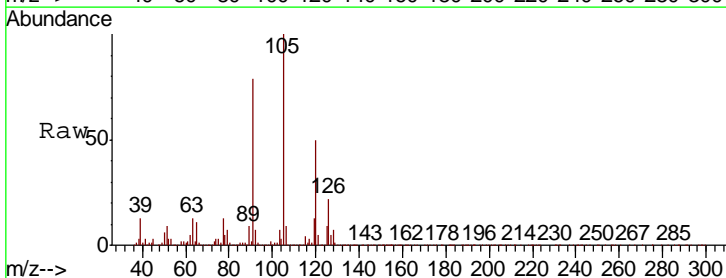
Tgt Ion	Resp	Lower	Upper
91	100		
126	34.6	17.2	51.6

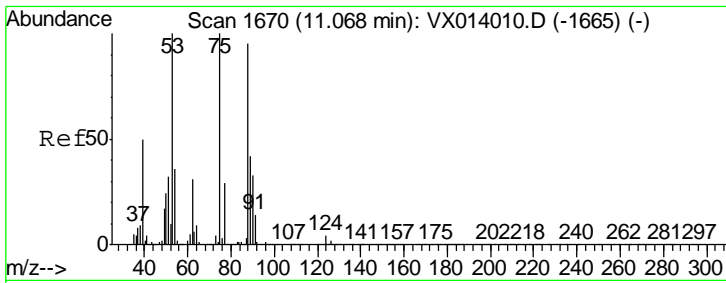
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.539 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.6	25.3	75.8





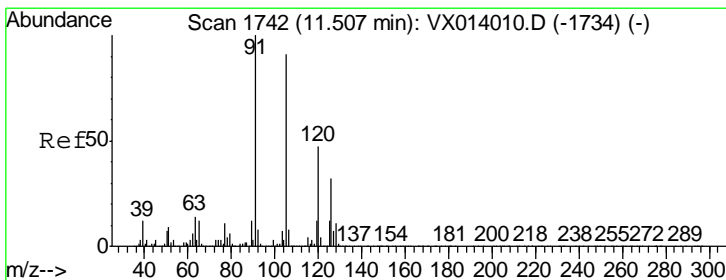
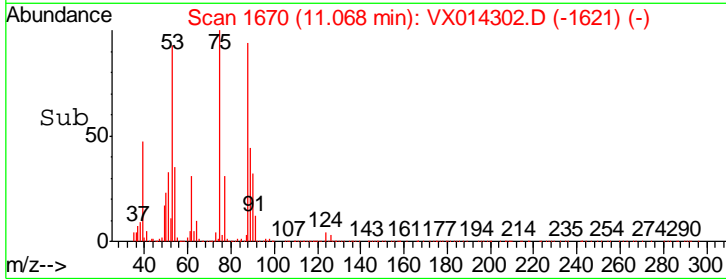
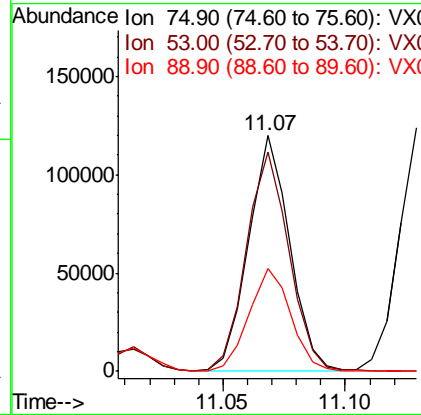
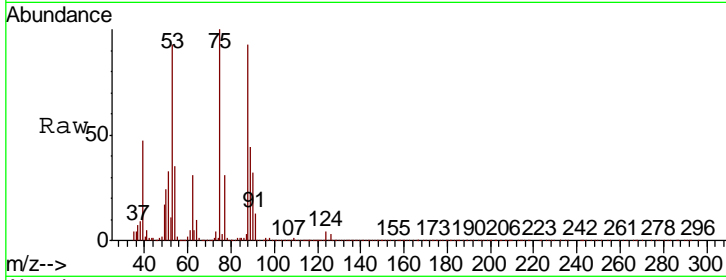
#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.782 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampled : VX014302.D
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
75	138352		
75	100		
53	97.3	76.7	115.1
89	45.5	34.6	51.8

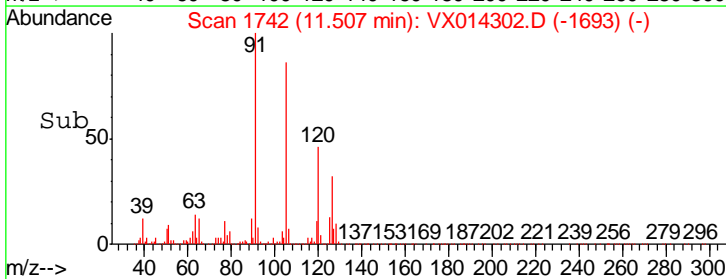
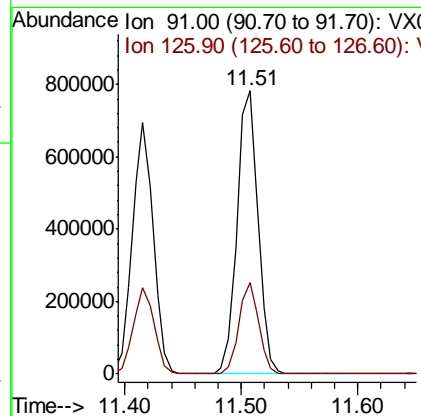
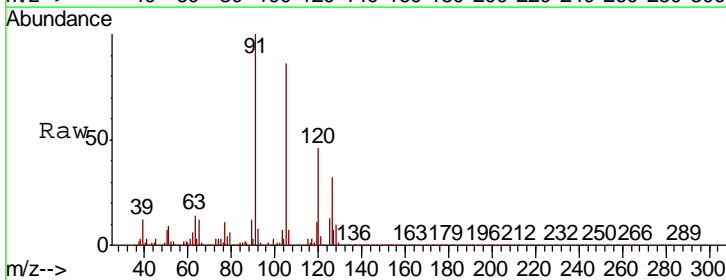
Manual Integrations
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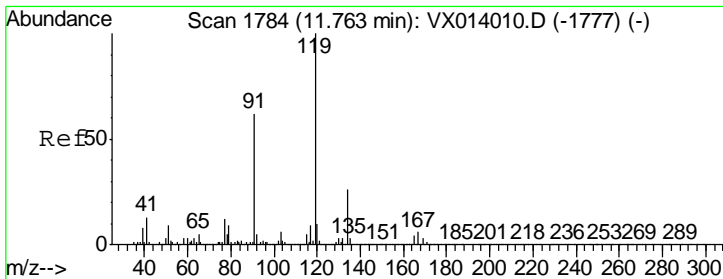
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#82
 4-Chlorotoluene
 Concen: 48.860 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
91	983077		
91	100		
126	30.7	15.6	46.8





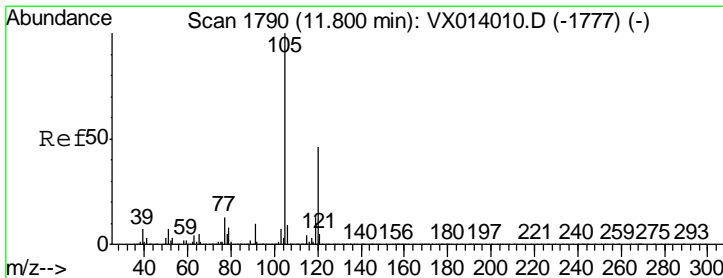
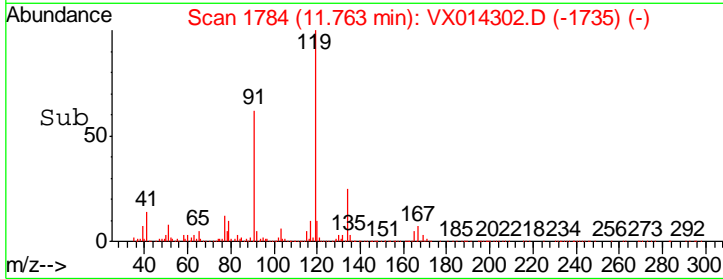
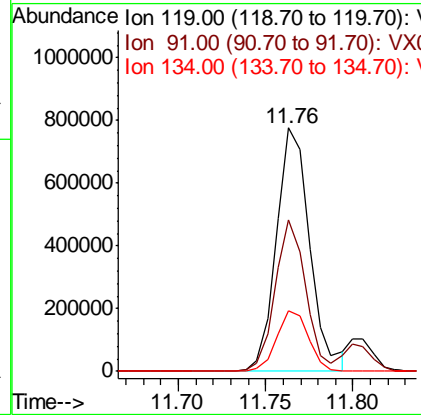
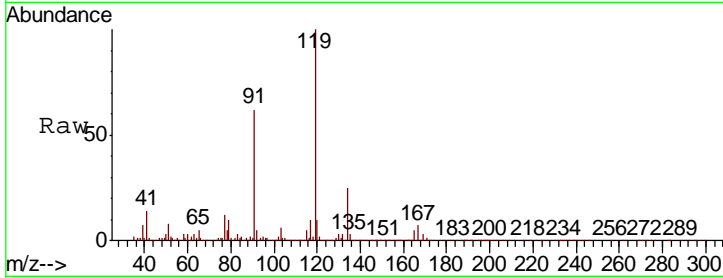
#83
 tert-Butylbenzene
 Concen: 49.401 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
119	1029302		
91	56.6	28.5	85.6
134	24.0	12.2	36.6

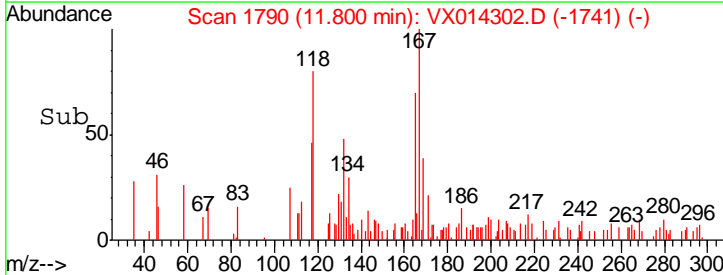
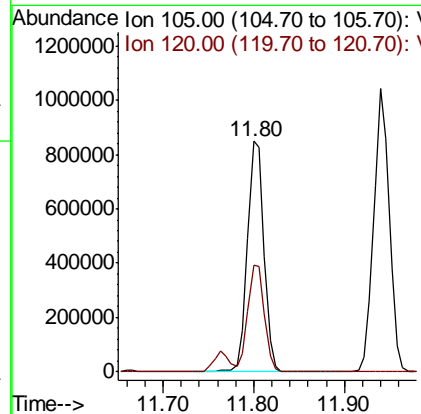
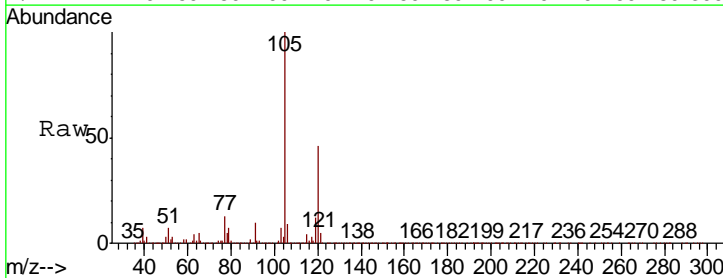
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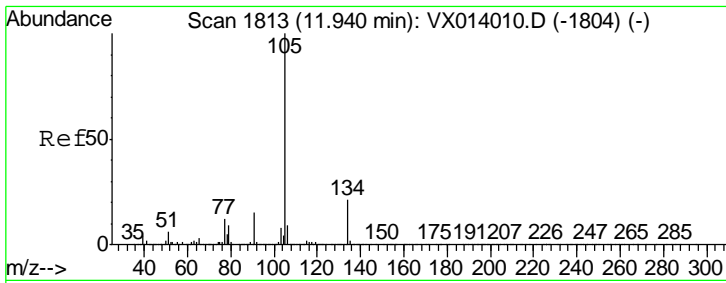
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.956 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
105	1071108		
120	46.2	23.1	69.2





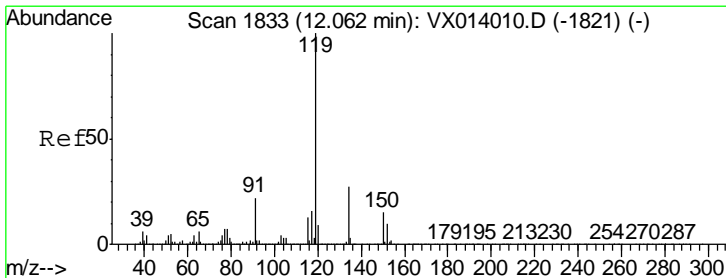
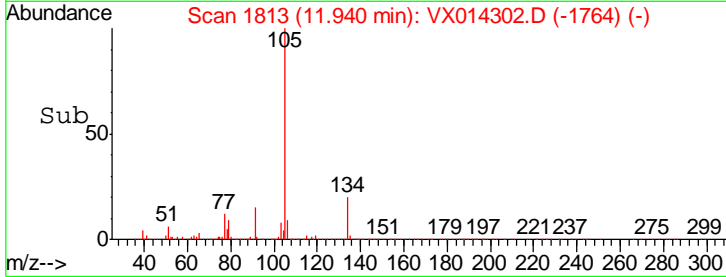
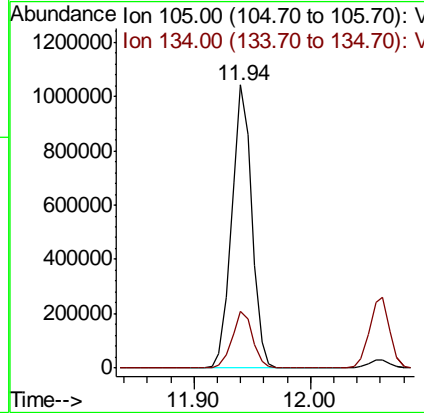
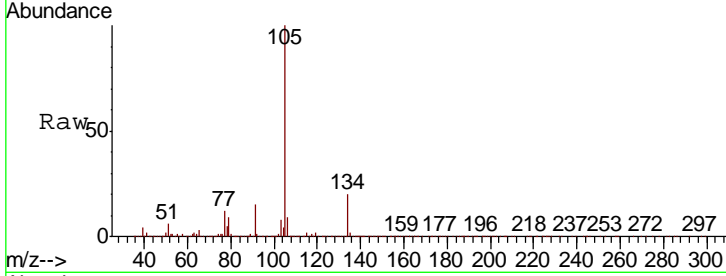
#85
 sec-Butylbenzene
 Concen: 50.657 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
105	1245994		
134	20.5	10.4	31.1

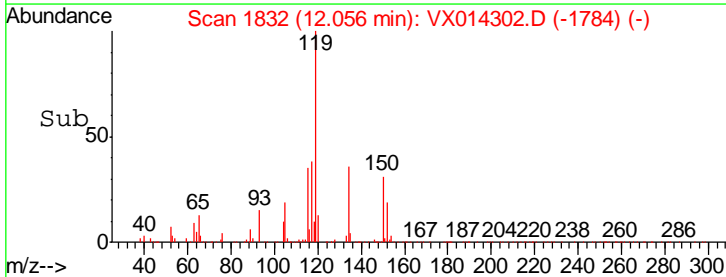
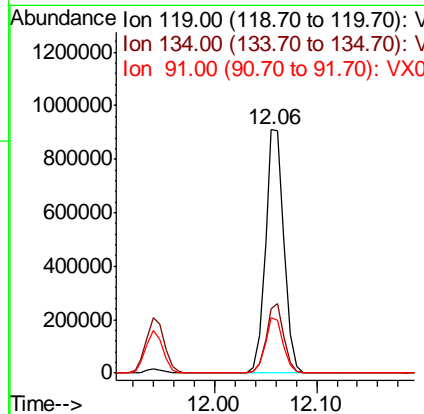
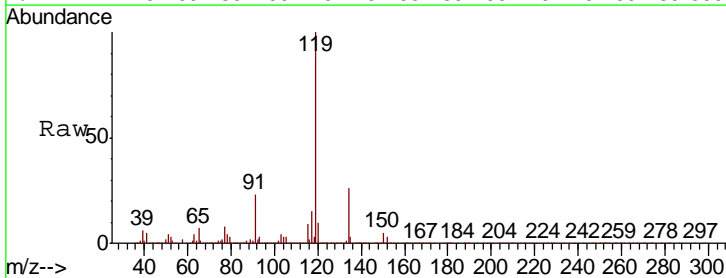
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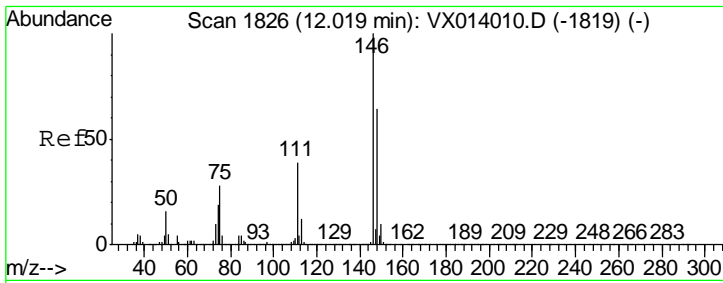
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#86
 p-Isopropyltoluene
 Concen: 51.181 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
119	1151562		
134	27.0	13.4	40.1
91	22.3	11.4	34.1



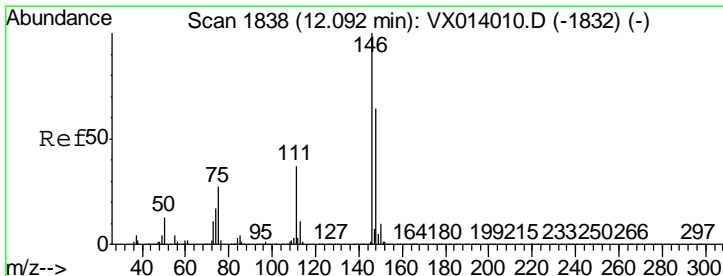
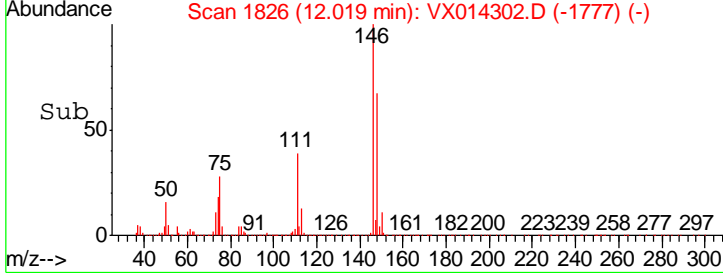
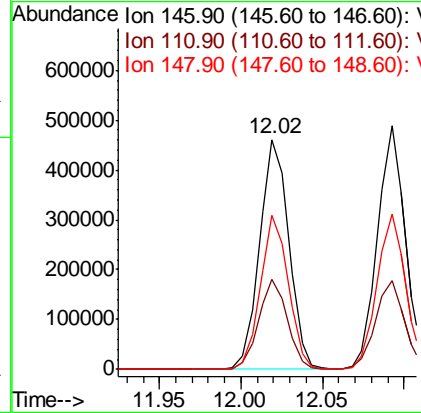
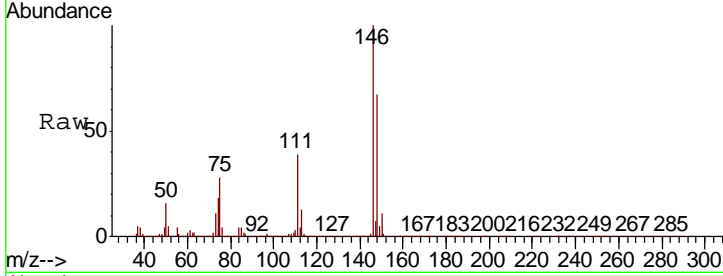


#87
 1,3-Dichlorobenzene
 Concen: 47.033 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDCCC050

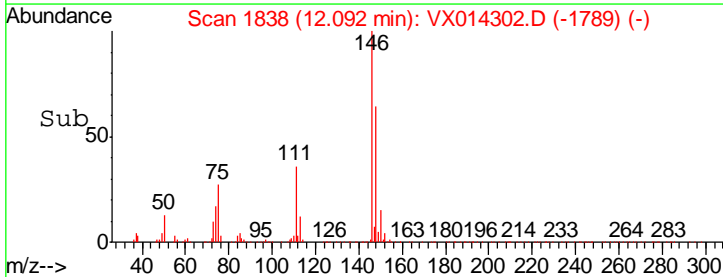
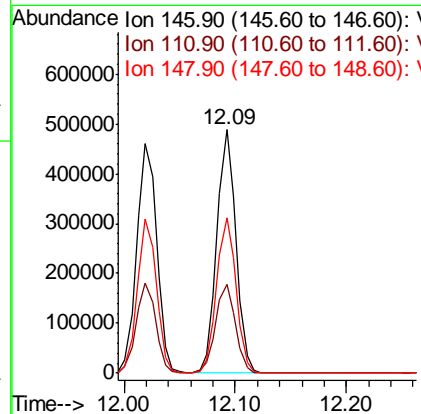
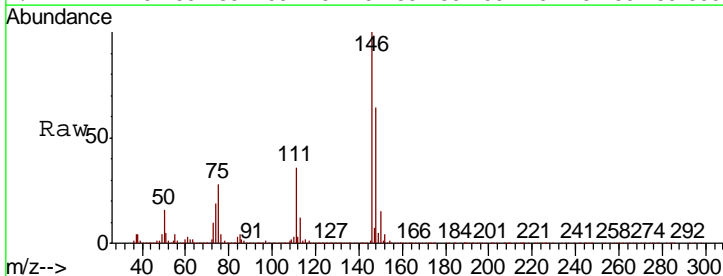
Tgt Ion	Resp	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	64.5	32.3	96.9

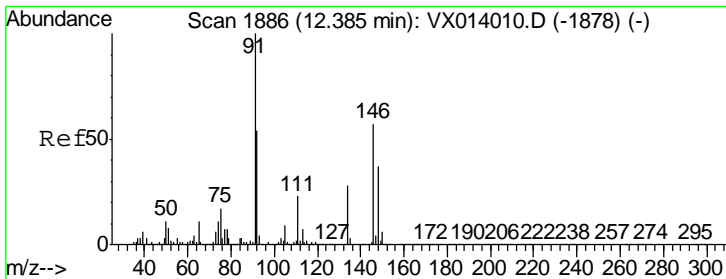
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 46.690 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	65.2	31.9	95.9





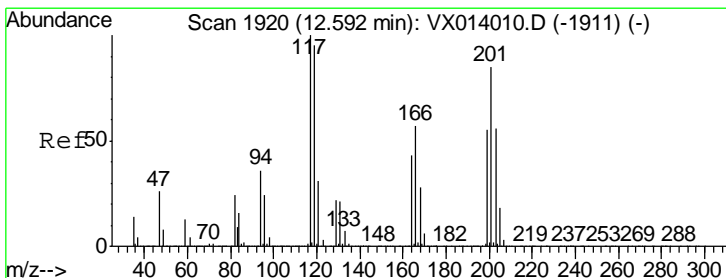
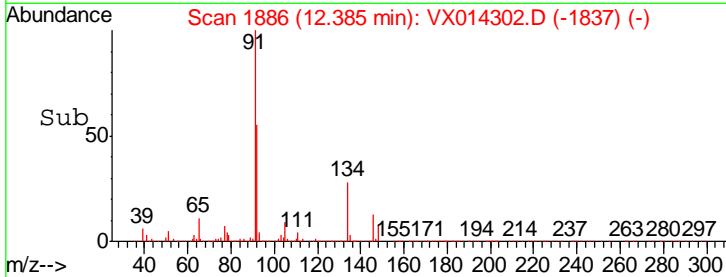
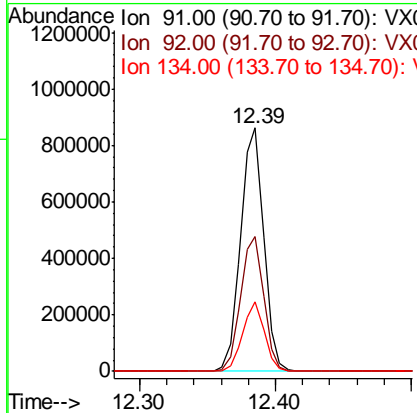
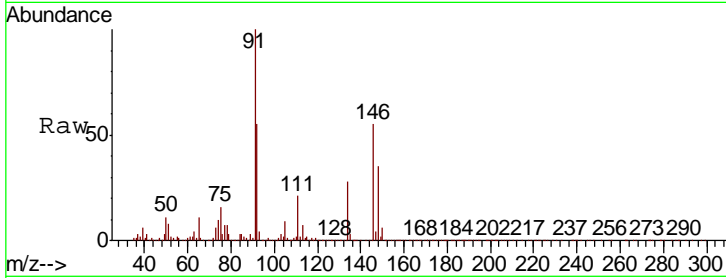
#89
 n-Butylbenzene
 Concen: 52.906 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion: 91 Resp: 1015702

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.2	81.6
134	26.8	13.4	40.1

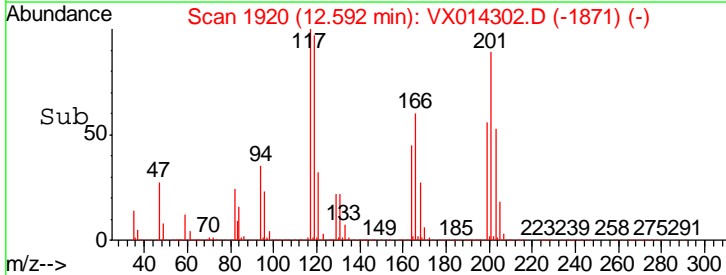
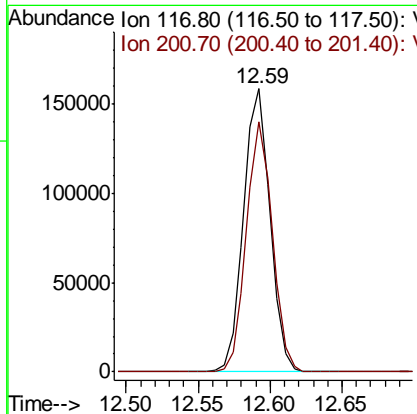
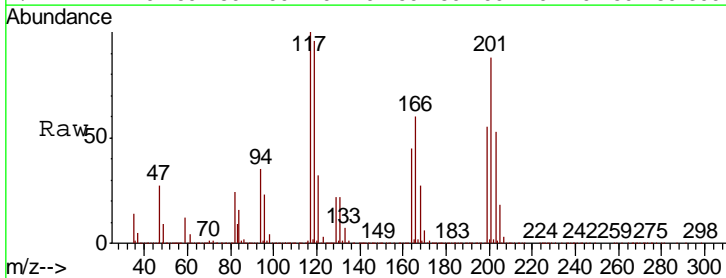
Manual Integrations
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 apatel
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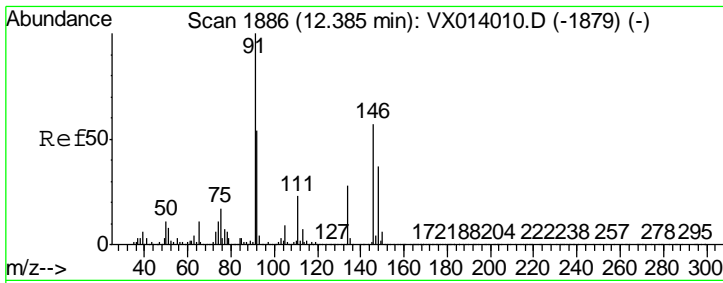


#90
 Hexachloroethane
 Concen: 49.728 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion: 117 Resp: 200969

Ion	Ratio	Lower	Upper
117	100		
201	87.0	43.1	129.3



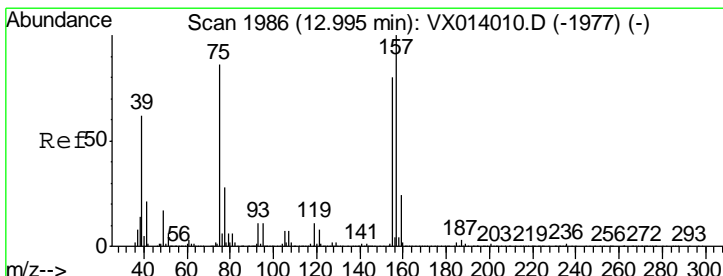
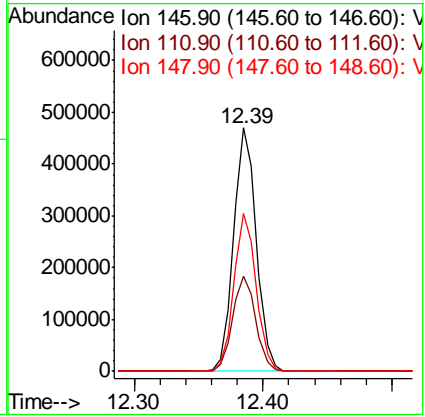
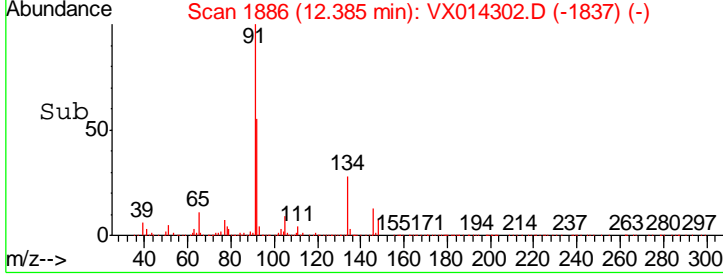
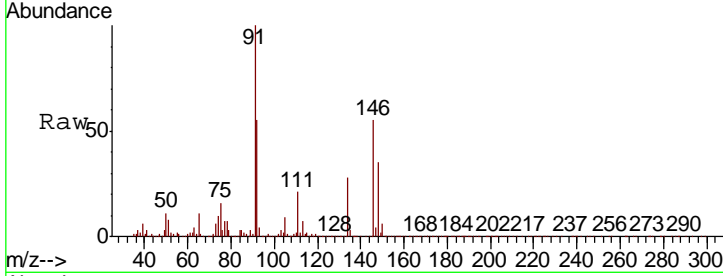


#91
 1,2-Dichlorobenzene
 Concen: 46.883 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 ClientSampled : VSTDCCC050

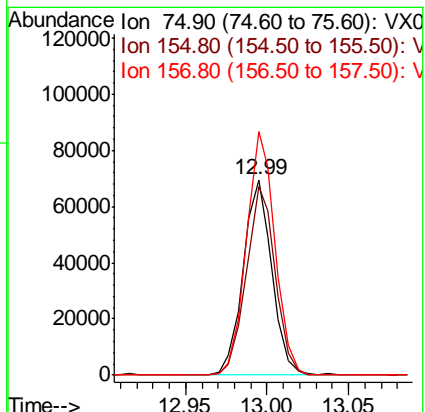
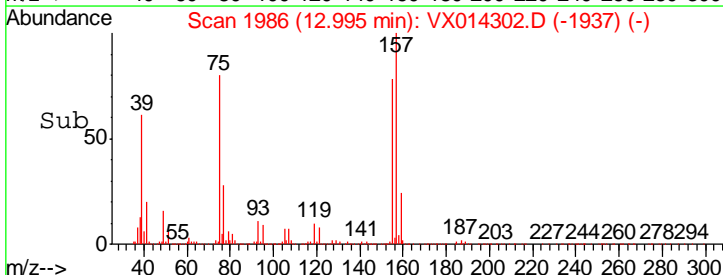
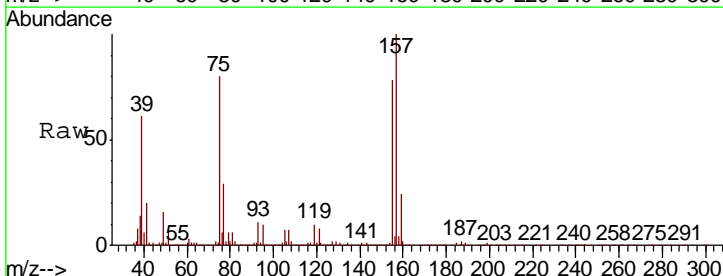
Tgt Ion	Resp	Lower	Upper
146	578948		
146	100		
111	39.6	19.7	59.1
148	63.9	32.1	96.5

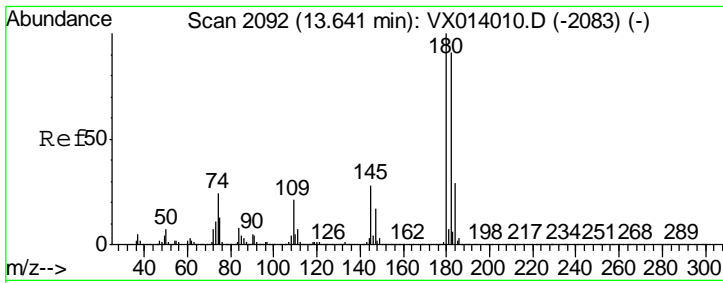
Manual Integrations
APPROVED
 apatel
 12/30/2019 11:04:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.297 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

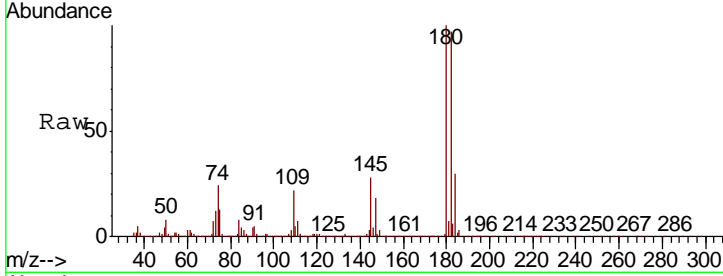
Tgt Ion	Resp	Lower	Upper
75	84504		
75	100		
155	98.8	46.9	140.6
157	125.7	60.8	182.4





#93
 1,2,4-Trichlorobenzene
 Concen: 50.448 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

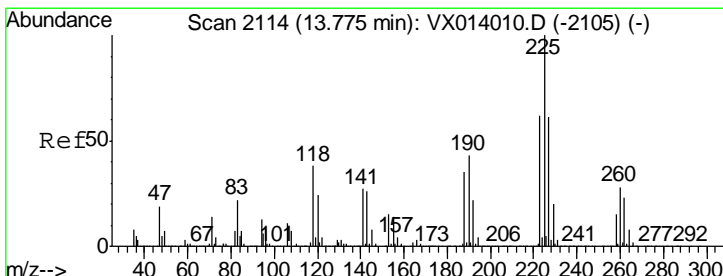
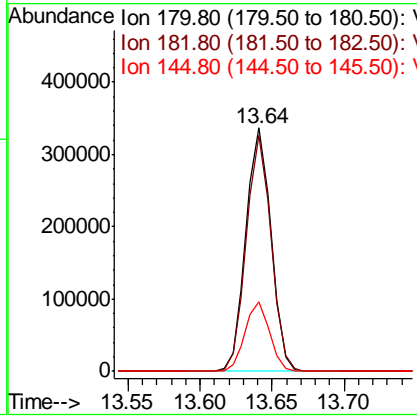
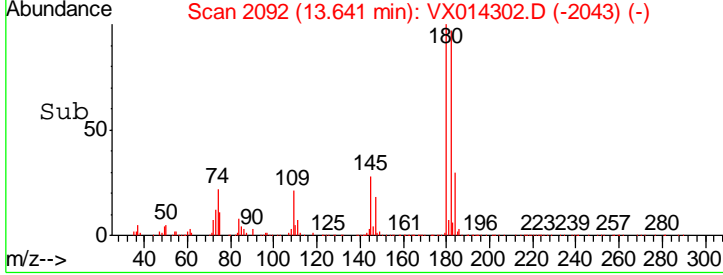
Instrument : MSVOA_X
 ClientSampled : VSTDCCC050



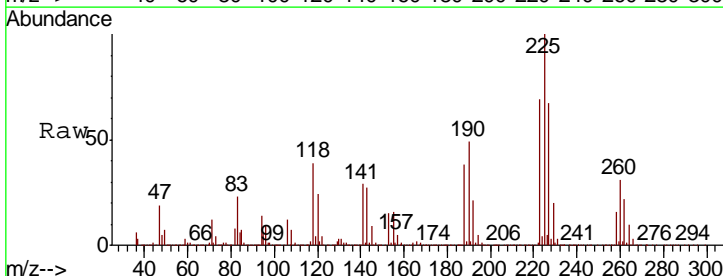
Tgt Ion: 180 Resp: 404910

Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.6	139.8
145	27.9	14.2	42.6

Manual Integrations
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 12/30/2019 11:04:07 AM

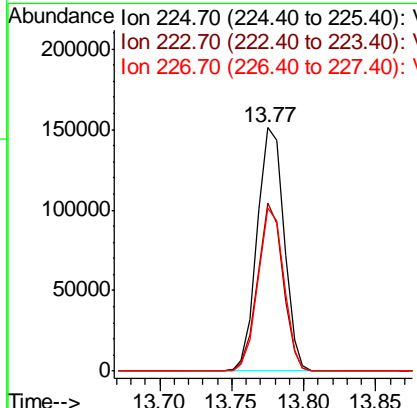
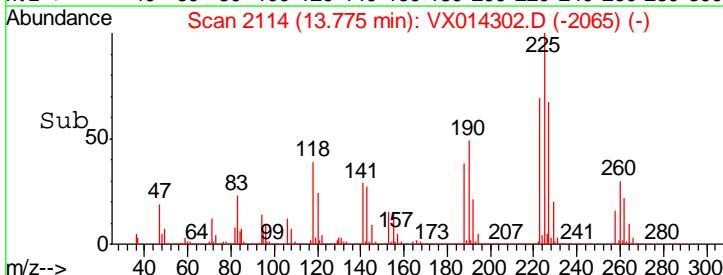


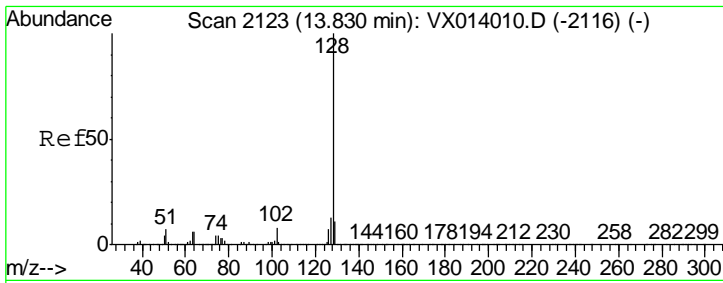
#94
 Hexachlorobutadiene
 Concen: 50.257 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03



Tgt Ion: 225 Resp: 193859

Ion	Ratio	Lower	Upper
225	100		
223	65.0	30.9	92.5
227	64.9	30.9	92.7





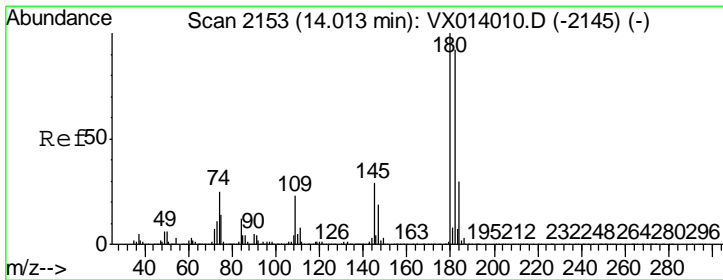
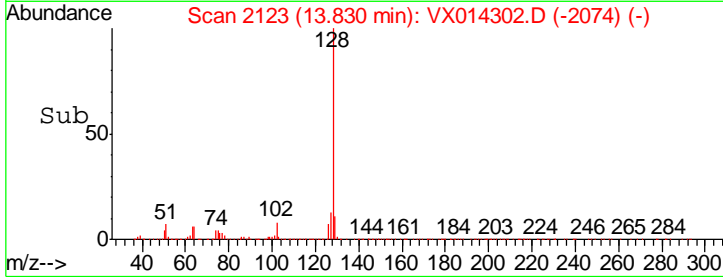
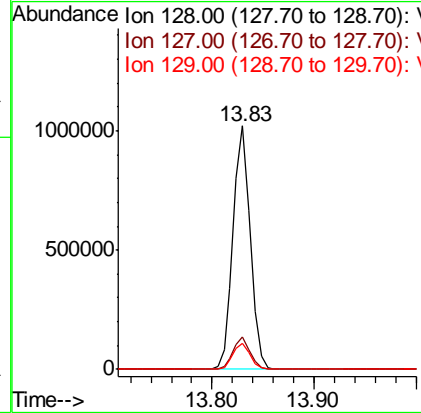
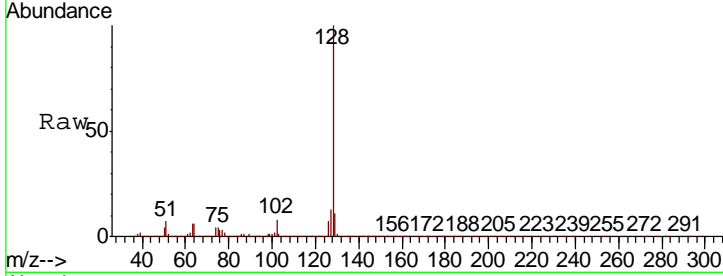
#95
 Naphthalene
 Concen: 50.315 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Instrument : MSVOA_X
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
128	1186498		
127	12.9	10.2	15.4
129	11.0	8.7	13.1

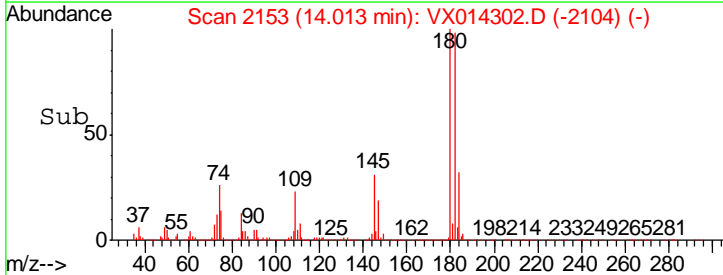
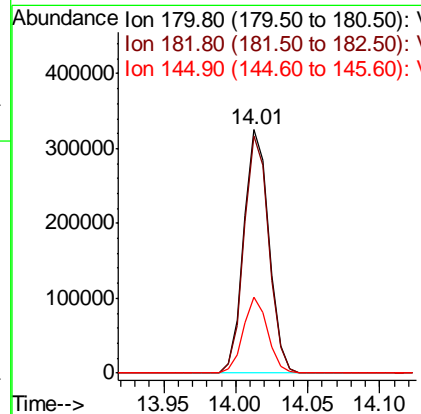
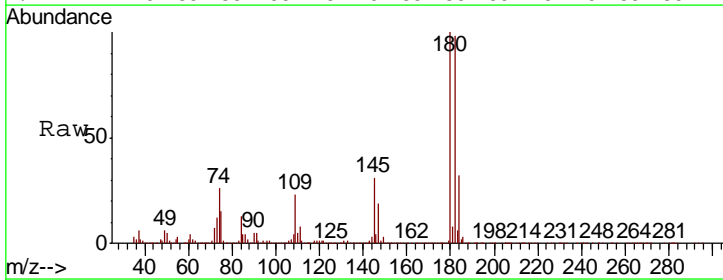
Manual Integrations
 APPROVED

apatel
 12/30/2019 11:04:07 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 49.881 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014302.D
 Acq: 27 Dec 2019 12:03

Tgt Ion	Resp	Lower	Upper
180	395211		
182	96.4	46.8	140.3
145	30.0	14.8	44.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2 T	Dichlorodifluoromethane	50.000	44.362	11.3	83	0.00
3 P	Chloromethane	50.000	44.592	10.8	83	0.00
4 C	Vinyl Chloride	50.000	45.695	8.6#	86	0.00
5 T	Bromomethane	50.000	44.216	11.6	86	0.00
6 T	Chloroethane	50.000	47.206	5.6	89	0.01
7 T	Trichlorofluoromethane	50.000	47.759	4.5	90	0.00
8 T	Diethyl Ether	50.000	46.084	7.8	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.085	1.8	93	0.00
10 T	Methyl Iodide	50.000	45.888	8.2	84	0.00
11 T	Tert butyl alcohol	250.000	209.678	16.1	83	-0.02
12 CM	1,1-Dichloroethene	50.000	47.236	5.5#	89	0.00
13 T	Acrolein	250.000	282.270	-12.9	110	0.00
14 T	Allyl chloride	50.000	49.394	1.2	92	0.00
15 T	Acrylonitrile	250.000	245.461	1.8	93	0.00
16 T	Acetone	250.000	203.716	18.5	74	0.00
17 T	Carbon Disulfide	50.000	43.574	12.9	81	0.00
18 T	Methyl Acetate	50.000	49.255	1.5	94	0.00
19 T	Methyl tert-butyl Ether	50.000	49.233	1.5	91	0.00
20 T	Methylene Chloride	50.000	45.796	8.4	91	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.703	6.6	90	0.00
22 T	Diisopropyl ether	50.000	51.221	-2.4	95	0.00
23 T	Vinyl Acetate	250.000	263.703	-5.5	96	0.00
24 P	1,1-Dichloroethane	50.000	48.150	3.7	92	0.00
25 T	2-Butanone	250.000	235.299	5.9	85	0.00
26 T	2,2-Dichloropropane	50.000	50.041	-0.1	93	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.936	4.1	91	0.00
28 T	Bromochloromethane	50.000	52.530	-5.1	93	0.00
29 T	Tetrahydrofuran	250.000	246.868	1.3	92	-0.01
30 C	Chloroform	50.000	49.712	0.6#	92	0.00
31 T	Cyclohexane	50.000	49.628	0.7	90	0.00
32 T	1,1,1-Trichloroethane	50.000	48.538	2.9	91	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.115	3.8	89	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35 S	Dibromofluoromethane	50.000	50.421	-0.8	91	0.00
36 T	1,1-Dichloropropene	50.000	48.781	2.4	90	0.00
37 T	Ethyl Acetate	50.000	49.714	0.6	89	0.00
38 T	Carbon Tetrachloride	50.000	50.246	-0.5	89	0.00
39 T	Methylcyclohexane	50.000	50.092	-0.2	92	0.00
40 TM	Benzene	50.000	48.880	2.2	91	0.00
41 T	Methacrylonitrile	50.000	49.734	0.5	92	-0.01
42 TM	1,2-Dichloroethane	50.000	49.256	1.5	91	0.00
43 T	Isopropyl Acetate	50.000	50.090	-0.2	91	0.00
44 TM	Trichloroethene	50.000	48.676	2.6	93	0.00
45 C	1,2-Dichloropropane	50.000	50.770	-1.5#	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	47.835	4.3	90	0.00
47 T	Bromodichloromethane	50.000	51.478	-3.0	93	0.00
48 T	Methyl methacrylate	50.000	50.433	-0.9	91	0.00
49 T	1,4-Dioxane	1000.000	884.184	11.6	83	0.00
50 S	Toluene-d8	50.000	49.953	0.1	88	0.00
51 T	4-Methyl-2-Pentanone	250.000	247.374	1.1	90	0.00
52 CM	Toluene	50.000	48.479	3.0#	90	0.00
53 T	t-1,3-Dichloropropene	50.000	52.175	-4.3	90	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.242	-4.5	91	0.00
55 T	1,1,2-Trichloroethane	50.000	49.733	0.5	92	0.00
56 T	Ethyl methacrylate	50.000	50.528	-1.1	89	0.00
57 T	1,3-Dichloropropane	50.000	49.919	0.2	91	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	274.920	-10.0	94	0.00
59 T	2-Hexanone	250.000	243.392	2.6	86	0.00
60 T	Dibromochloromethane	50.000	51.776	-3.6	91	0.00
61 T	1,2-Dibromoethane	50.000	50.124	-0.2	90	0.00
62 S	4-Bromofluorobenzene	50.000	49.107	1.8	87	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64 T	Tetrachloroethene	50.000	48.932	2.1	90	0.00
65 PM	Chlorobenzene	50.000	48.861	2.3	91	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.446	-0.9	91	0.00
67 C	Ethyl Benzene	50.000	50.318	-0.6#	90	0.00
68 T	m/p-Xylenes	100.000	100.741	-0.7	91	0.00
69 T	o-Xylene	50.000	49.004	2.0	88	0.00
70 T	Styrene	50.000	50.245	-0.5	89	0.00
71 P	Bromoform	50.000	51.690	-3.4	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73 T	Isopropylbenzene	50.000	49.579	0.8	91	0.00
74 T	N-amyl acetate	50.000	48.460	3.1	87	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.772	6.5	86	0.00
76 T	1,2,3-Trichloropropane	50.000	43.218	13.6	77	0.00
77 T	Bromobenzene	50.000	46.028	7.9	89	0.00
78 T	n-propylbenzene	50.000	51.365	-2.7	92	0.00
79 T	2-Chlorotoluene	50.000	48.954	2.1	90	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.539	0.9	90	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.782	0.4	86	0.00
82 T	4-Chlorotoluene	50.000	48.860	2.3	91	0.00
83 T	tert-Butylbenzene	50.000	49.401	1.2	92	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.956	0.1	91	0.00
85 T	sec-Butylbenzene	50.000	50.657	-1.3	92	0.00
86 T	p-Isopropyltoluene	50.000	51.181	-2.4	93	0.00
87 T	1,3-Dichlorobenzene	50.000	47.033	5.9	90	0.00
88 T	1,4-Dichlorobenzene	50.000	46.690	6.6	91	0.00
89 T	n-Butylbenzene	50.000	52.906	-5.8	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	49.728	0.5	90	0.00
91 T	1,2-Dichlorobenzene	50.000	46.883	6.2	89	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	43.297	13.4	84	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.448	-0.9	94	0.00
94 T	Hexachlorobutadiene	50.000	50.257	-0.5	96	0.00
95 T	Naphthalene	50.000	50.315	-0.6	89	0.00
96 T	1,2,3-Trichlorobenzene	50.000	49.881	0.2	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2 T	Dichlorodifluoromethane	0.447	0.397	11.2	83	0.00
3 P	Chloromethane	0.600	0.535	10.8	83	0.00
4 C	Vinyl Chloride	0.633	0.579	8.5#	86	0.00
5 T	Bromomethane	0.450	0.398	11.6	86	0.00
6 T	Chloroethane	0.391	0.369	5.6	89	0.01
7 T	Trichlorofluoromethane	0.784	0.749	4.5	90	0.00
8 T	Diethyl Ether	0.368	0.339	7.9	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.473	0.464	1.9	93	0.00
10 T	Methyl Iodide	0.575	0.569	1.0	84	0.00
11 T	Tert butyl alcohol	0.122	0.103	15.6	83	-0.02
12 CM	1,1-Dichloroethene	0.481	0.454	5.6#	89	0.00
13 T	Acrolein	0.070	0.079	-12.9	110	0.00
14 T	Allyl chloride	0.859	0.848	1.3	92	0.00
15 T	Acrylonitrile	0.286	0.281	1.7	93	0.00
16 T	Acetone	0.368	0.300	18.5	74	0.00
17 T	Carbon Disulfide	1.418	1.161	18.1	81	0.00
18 T	Methyl Acetate	0.729	0.718	1.5	94	0.00
19 T	Methyl tert-butyl Ether	1.580	1.556	1.5	91	0.00
20 T	Methylene Chloride	0.579	0.531	8.3	91	0.00
21 T	trans-1,2-Dichloroethene	0.530	0.495	6.6	90	0.00
22 T	Diisopropyl ether	1.711	1.753	-2.5	95	0.00
23 T	Vinyl Acetate	1.397	1.473	-5.4	96	0.00
24 P	1,1-Dichloroethane	0.952	0.917	3.7	92	0.00
25 T	2-Butanone	0.454	0.427	5.9	85	0.00
26 T	2,2-Dichloropropane	0.739	0.740	-0.1	93	0.00
27 T	cis-1,2-Dichloroethene	0.599	0.575	4.0	91	0.00
28 T	Bromochloromethane	0.332	0.385	-16.0	93	0.00
29 T	Tetrahydrofuran	0.254	0.251	1.2	92	-0.01
30 C	Chloroform	0.903	0.897	0.7#	92	0.00
31 T	Cyclohexane	0.847	0.840	0.8	90	0.00
32 T	1,1,1-Trichloroethane	0.769	0.747	2.9	91	0.00
33 S	1,2-Dichloroethane-d4	0.567	0.545	3.9	89	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35 S	Dibromofluoromethane	0.304	0.307	-1.0	91	0.00
36 T	1,1-Dichloropropene	0.459	0.448	2.4	90	0.00
37 T	Ethyl Acetate	0.507	0.504	0.6	89	0.00
38 T	Carbon Tetrachloride	0.418	0.420	-0.5	89	0.00
39 T	Methylcyclohexane	0.566	0.568	-0.4	92	0.00
40 TM	Benzene	1.412	1.380	2.3	91	0.00
41 T	Methacrylonitrile	0.281	0.280	0.4	92	-0.01
42 TM	1,2-Dichloroethane	0.479	0.471	1.7	91	0.00
43 T	Isopropyl Acetate	0.838	0.840	-0.2	91	0.00
44 TM	Trichloroethene	0.390	0.380	2.6	93	0.00
45 C	1,2-Dichloropropane	0.362	0.367	-1.4#	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.239	0.229	4.2	90	0.00
47 T	Bromodichloromethane	0.451	0.464	-2.9	93	0.00
48 T	Methyl methacrylate	0.411	0.414	-0.7	91	0.00
49 T	1,4-Dioxane	0.008	0.007	12.5	83	0.00
50 S	Toluene-d8	1.183	1.182	0.1	88	0.00
51 T	4-Methyl-2-Pentanone	0.527	0.521	1.1	90	0.00
52 CM	Toluene	0.892	0.865	3.0#	90	0.00
53 T	t-1,3-Dichloropropene	0.494	0.515	-4.3	90	0.00
54 T	cis-1,3-Dichloropropene	0.550	0.575	-4.5	91	0.00
55 T	1,1,2-Trichloroethane	0.358	0.356	0.6	92	0.00
56 T	Ethyl methacrylate	0.562	0.568	-1.1	89	0.00
57 T	1,3-Dichloropropane	0.602	0.601	0.2	91	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.234	-9.9	94	0.00
59 T	2-Hexanone	0.424	0.413	2.6	86	0.00
60 T	Dibromochloromethane	0.355	0.368	-3.7	91	0.00
61 T	1,2-Dibromoethane	0.366	0.367	-0.3	90	0.00
62 S	4-Bromofluorobenzene	0.433	0.425	1.8	87	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64 T	Tetrachloroethene	0.442	0.433	2.0	90	0.00
65 PM	Chlorobenzene	1.063	1.039	2.3	91	0.00
66 T	1,1,1,2-Tetrachloroethane	0.380	0.383	-0.8	91	0.00
67 C	Ethyl Benzene	1.828	1.839	-0.6#	90	0.00
68 T	m/p-Xylenes	0.703	0.708	-0.7	91	0.00
69 T	o-Xylene	0.689	0.676	1.9	88	0.00
70 T	Styrene	1.166	1.172	-0.5	89	0.00
71 P	Bromoform	0.305	0.315	-3.3	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73 T	Isopropylbenzene	3.520	3.491	0.8	91	0.00
74 T	N-amyl acetate	1.650	1.599	3.1	87	0.00
75 P	1,1,2,2-Tetrachloroethane	1.220	1.142	6.4	86	0.00
76 T	1,2,3-Trichloropropane	1.085	0.938	13.5	77	0.00
77 T	Bromobenzene	0.969	0.892	7.9	89	0.00
78 T	n-propylbenzene	3.949	4.057	-2.7	92	0.00
79 T	2-Chlorotoluene	2.400	2.350	2.1	90	0.00
80 T	1,3,5-Trimethylbenzene	2.963	2.935	0.9	90	0.00
81 T	trans-1,4-Dichloro-2-butene	0.385	0.383	0.5	86	0.00
82 T	4-Chlorotoluene	2.784	2.721	2.3	91	0.00
83 T	tert-Butylbenzene	2.883	2.849	1.2	92	0.00
84 T	1,2,4-Trimethylbenzene	2.967	2.964	0.1	91	0.00
85 T	sec-Butylbenzene	3.404	3.448	-1.3	92	0.00
86 T	p-Isopropyltoluene	3.114	3.187	-2.3	93	0.00
87 T	1,3-Dichlorobenzene	1.698	1.597	5.9	90	0.00
88 T	1,4-Dichlorobenzene	1.726	1.612	6.6	91	0.00
89 T	n-Butylbenzene	2.657	2.811	-5.8	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122719\
 Data File : VX014302.D
 Acq On : 27 Dec 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 30 05:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.559	0.556	0.5	90	0.00
91 T	1,2-Dichlorobenzene	1.709	1.602	6.3	89	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.270	0.234	13.3	84	0.00
93 T	1,2,4-Trichlorobenzene	1.111	1.121	-0.9	94	0.00
94 T	Hexachlorobutadiene	0.534	0.537	-0.6	96	0.00
95 T	Naphthalene	3.263	3.284	-0.6	89	0.00
96 T	1,2,3-Trichlorobenzene	1.096	1.094	0.2	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

QC SAMPLE
DATA

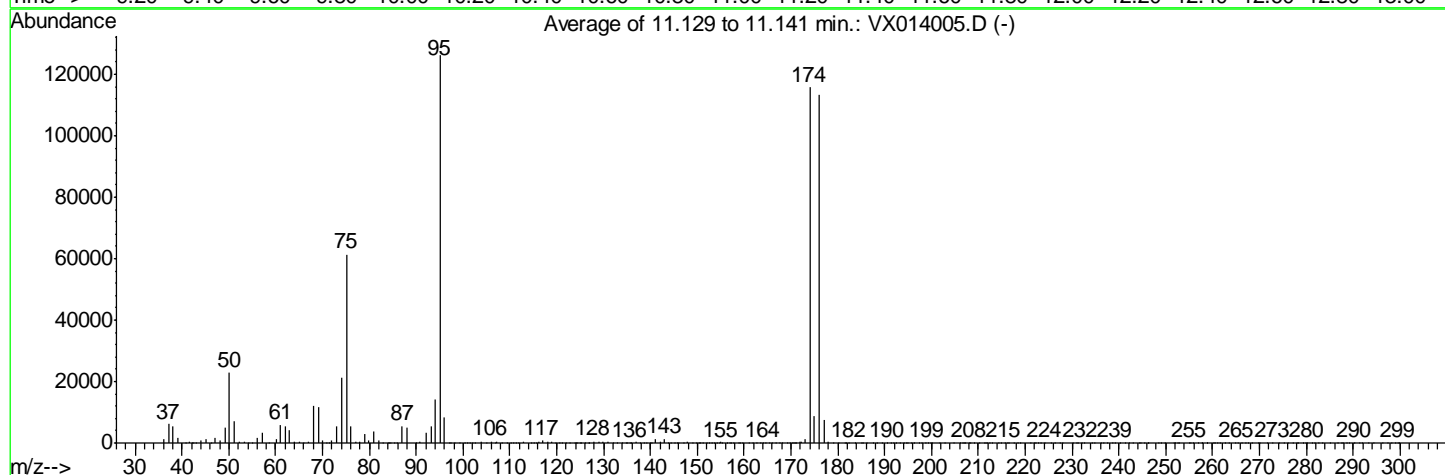
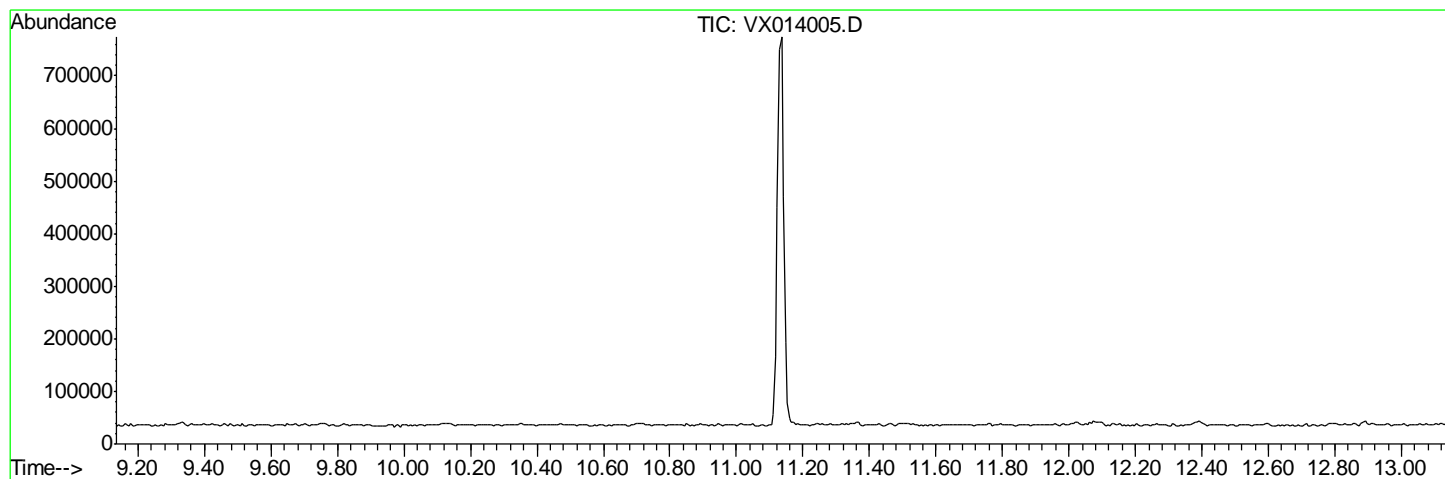
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Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX121319\
 Data File : VX014005.D
 Acq On : 13 Dec 2019 12:35
 Operator : JC/SP
 Sample : BFB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260
 Last Update : Tue Dec 17 03:01:07 2019



AutoFind: Scans 1680, 1681, 1682; Background Corrected with Scan 1670

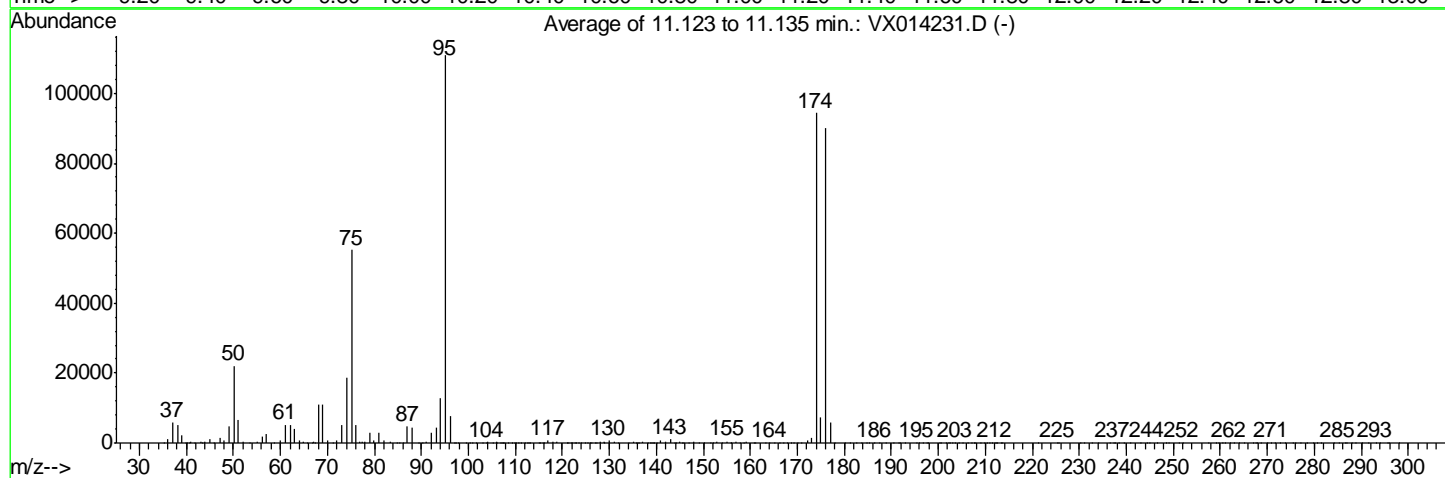
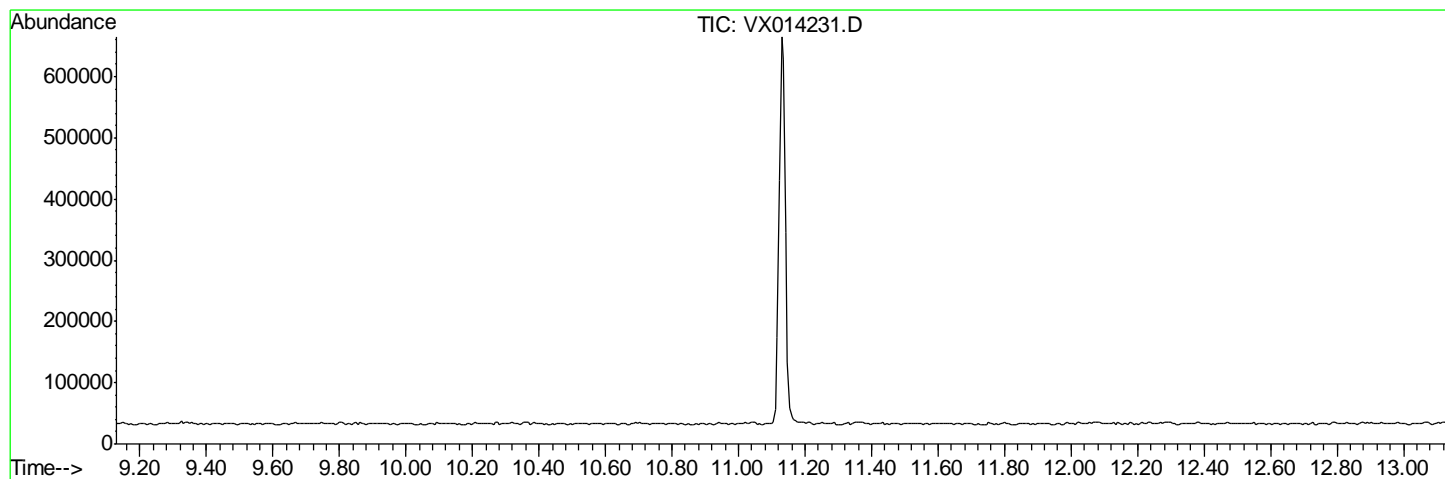
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	22875	PASS
75	95	30	60	48.7	61429	PASS
95	95	100	100	100.0	126223	PASS
96	95	5	9	6.5	8227	PASS
173	174	0.00	2	1.1	1287	PASS
174	95	50	100	91.7	115781	PASS
175	174	5	9	7.4	8574	PASS
176	174	95	101	97.9	113312	PASS
177	176	5	9	6.5	7381	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122419\
 Data File : VX014231.D
 Acq On : 24 Dec 2019 08:54
 Operator : JC/SP
 Sample : BFB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260
 Last Update : Tue Dec 17 03:01:07 2019



AutoFind: Scans 1679, 1680, 1681; Background Corrected with Scan 1671

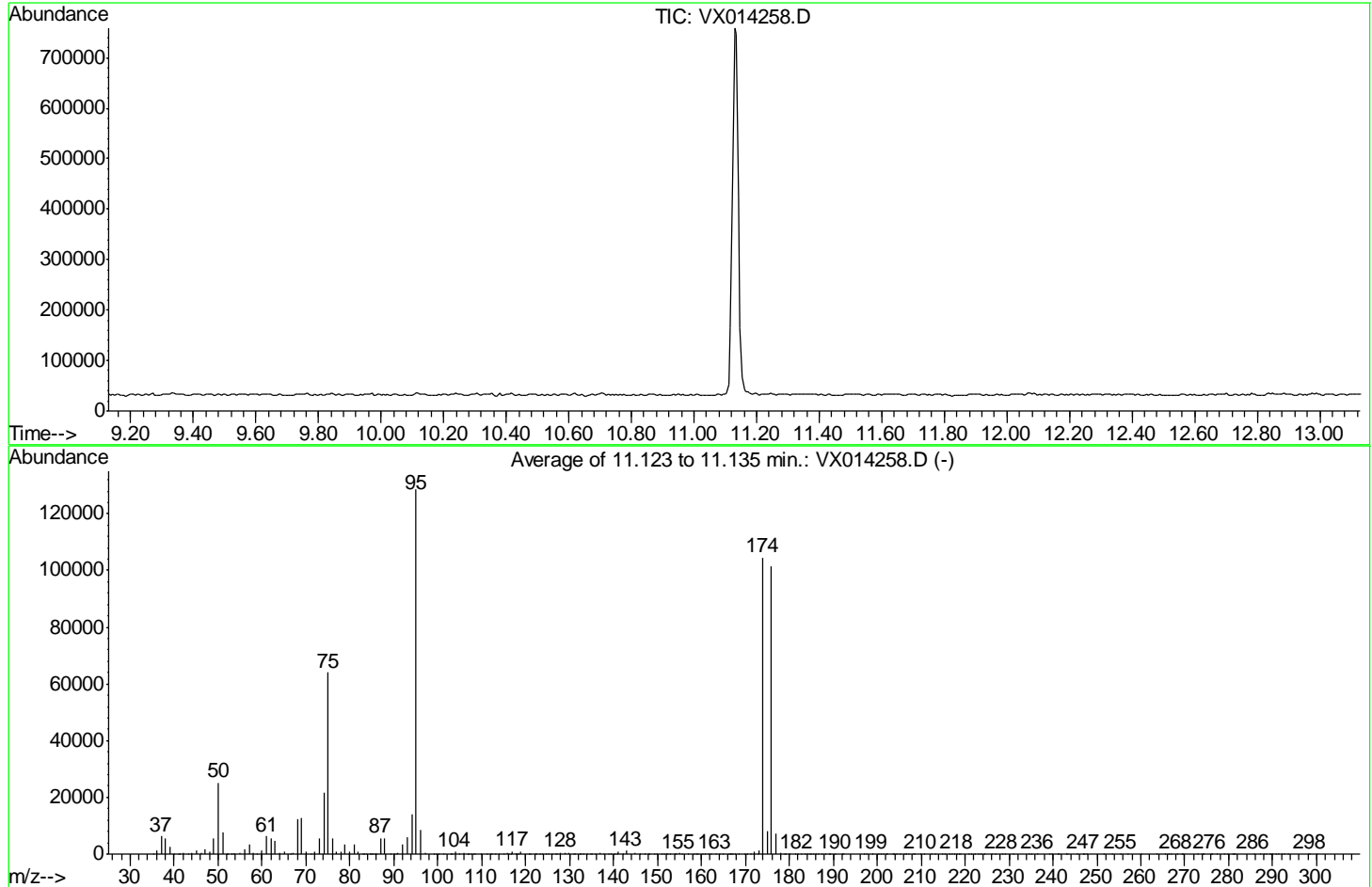
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	22157	PASS
75	95	30	60	49.7	55156	PASS
95	95	100	100	100.0	110873	PASS
96	95	5	9	6.9	7689	PASS
173	174	0.00	2	1.6	1492	PASS
174	95	50	100	85.1	94386	PASS
175	174	5	9	7.7	7293	PASS
176	174	95	101	95.5	90128	PASS
177	176	5	9	6.5	5824	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122619\
 Data File : VX014258.D
 Acq On : 26 Dec 2019 10:14
 Operator : JC/SP
 Sample : BFB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260
 Last Update : Tue Dec 17 03:01:07 2019



AutoFind: Scans 1679, 1680, 1681; Background Corrected with Scan 1673

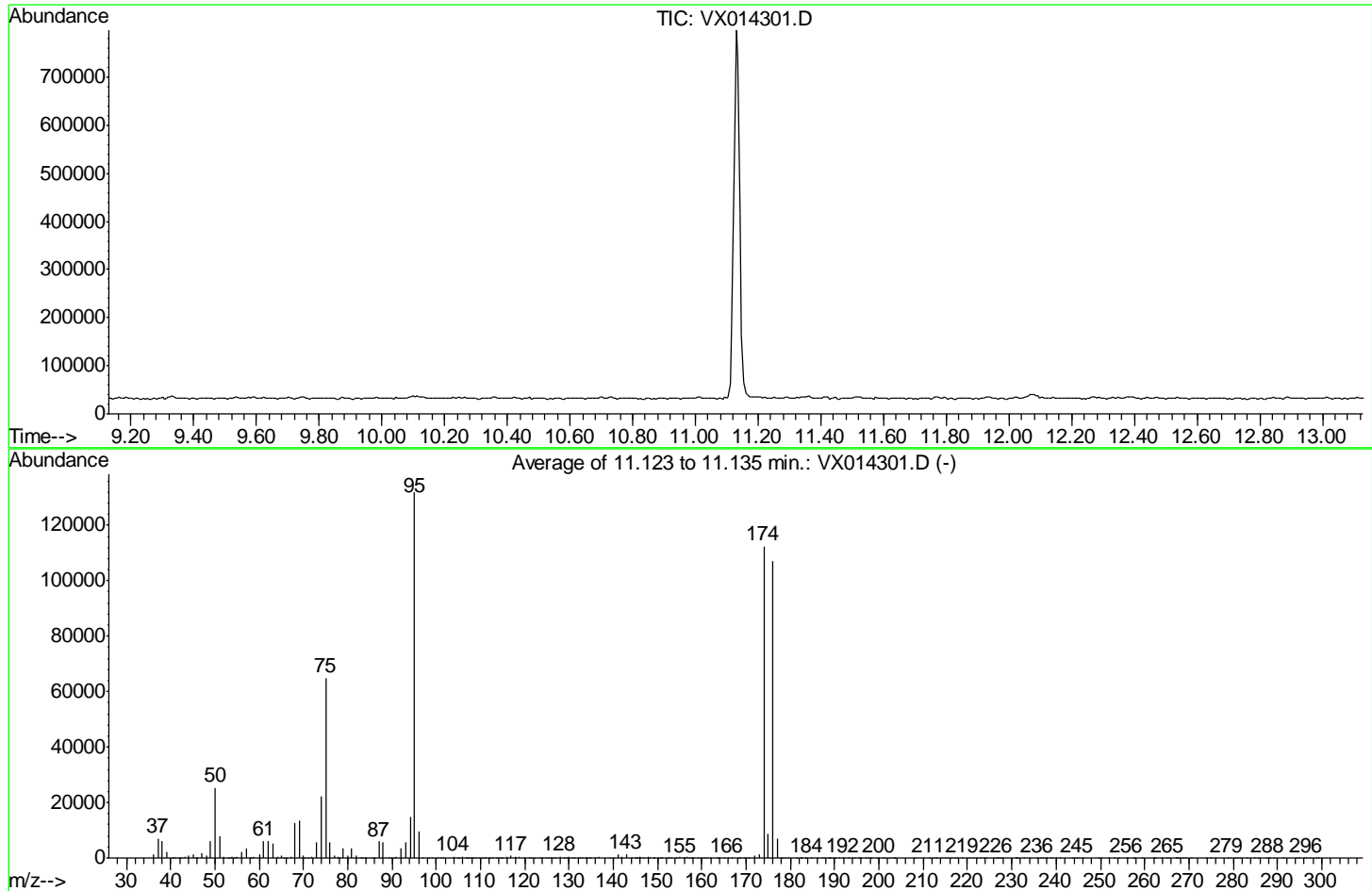
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	25141	PASS
75	95	30	60	49.8	63998	PASS
95	95	100	100	100.0	128576	PASS
96	95	5	9	6.6	8542	PASS
173	174	0.00	2	1.1	1117	PASS
174	95	50	100	81.4	104637	PASS
175	174	5	9	7.5	7878	PASS
176	174	95	101	96.9	101362	PASS
177	176	5	9	7.1	7246	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122719\
 Data File : VX014301.D
 Acq On : 27 Dec 2019 11:31
 Operator : JC/SP
 Sample : BFB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260
 Last Update : Tue Dec 17 03:01:07 2019



AutoFind: Scans 1679, 1680, 1681; Background Corrected with Scan 1671

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	25313	PASS
75	95	30	60	49.3	65025	PASS
95	95	100	100	100.0	131828	PASS
96	95	5	9	7.1	9385	PASS
173	174	0.00	2	1.3	1513	PASS
174	95	50	100	85.3	112496	PASS
175	174	5	9	7.6	8575	PASS
176	174	95	101	95.2	107116	PASS
177	176	5	9	6.5	6928	PASS



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1224WBL01	SDG No.:	K6405
Lab Sample ID:	VX1224WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014234.D	1		12/24/19 10:32	VX122419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.16	1.00	ug/L
74-83-9	Bromomethane	5.00	U	2.10	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.18	1.00	ug/L
67-64-1	Acetone	5.00	U	0.90	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.30	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.31	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.17	1.00	ug/L
71-43-2	Benzene	1.00	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.85	5.00	ug/L
108-88-3	Toluene	1.00	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1224WBL01	SDG No.:	K6405
Lab Sample ID:	VX1224WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014234.D	1		12/24/19 10:32	VX122419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.12	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.40	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.15	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.080	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.20	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.13	1.00	ug/L
100-42-5	Styrene	1.00	U	0.11	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		61 - 141	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		69 - 133	98%	SPK: 50
2037-26-5	Toluene-d8	50.4		65 - 126	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		58 - 135	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	561000	5.65			
540-36-3	1,4-Difluorobenzene	856000	6.85			
3114-55-4	Chlorobenzene-d5	774000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	345000	12.07			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014234.D
 Acq On : 24 Dec 2019 10:32
 Operator : JC/SP
 Sample : VX1224WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224WBL01

Quant Time: Dec 25 06:07:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	561321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	856402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	773822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	345231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	314547	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	5.49	113	256240	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	8.71	98	1022478	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	347235	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

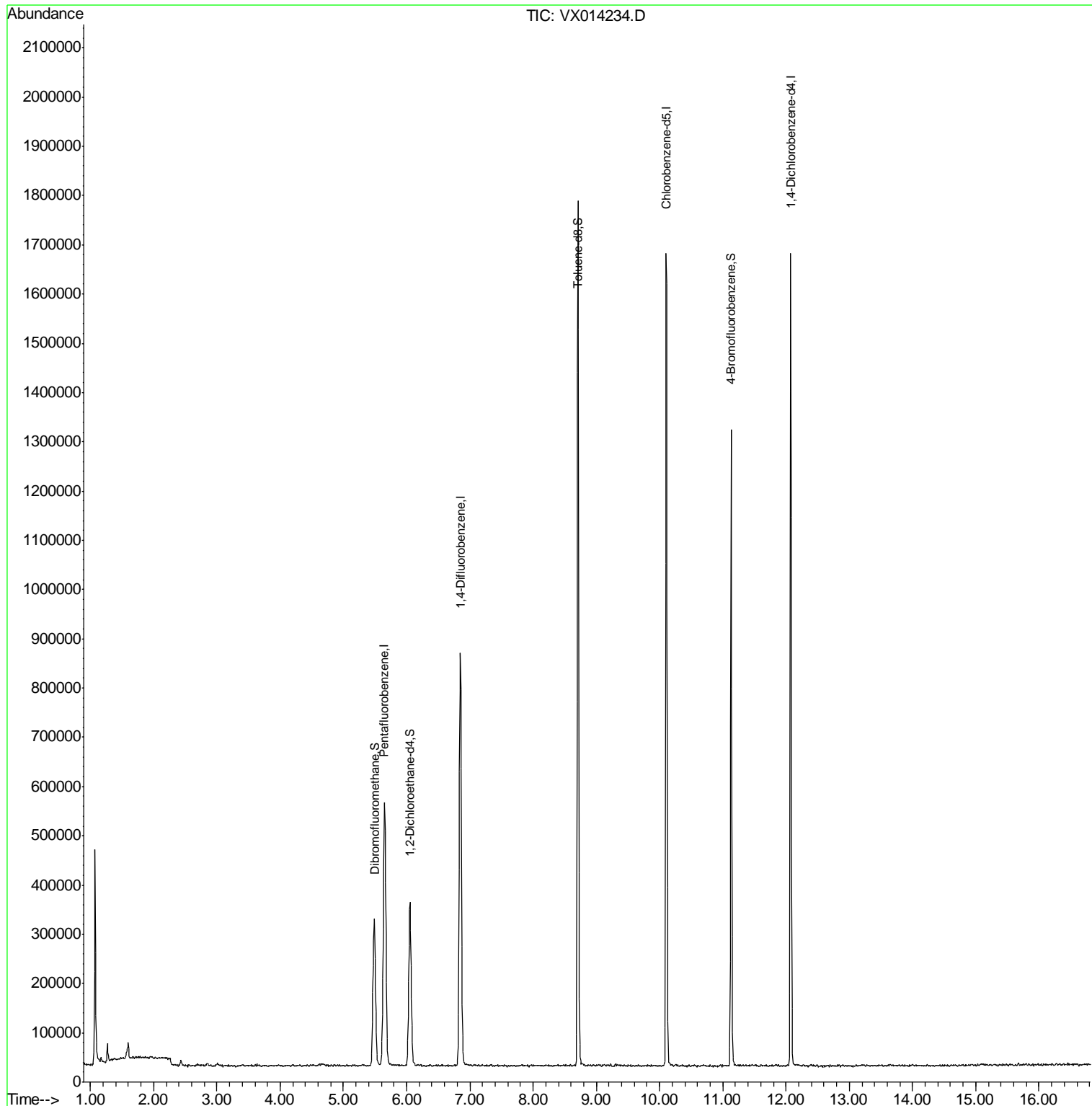
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

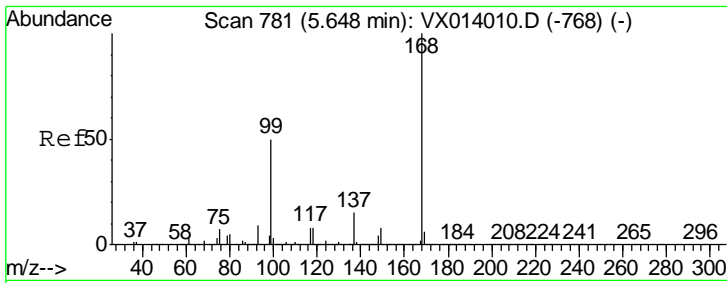
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 Data File : VX014234.D
 Acq On : 24 Dec 2019 10:32
 Operator : JC/SP
 Sample : VX1224WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224WBL01

Quant Time: Dec 25 06:07:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



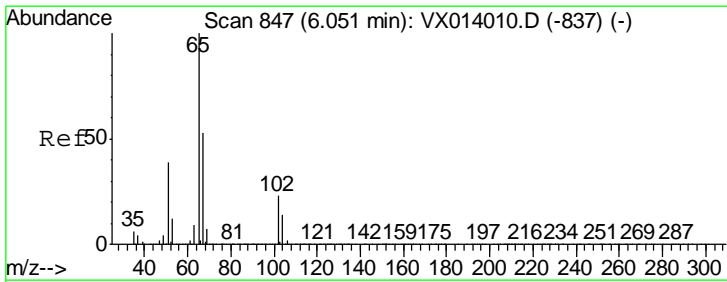
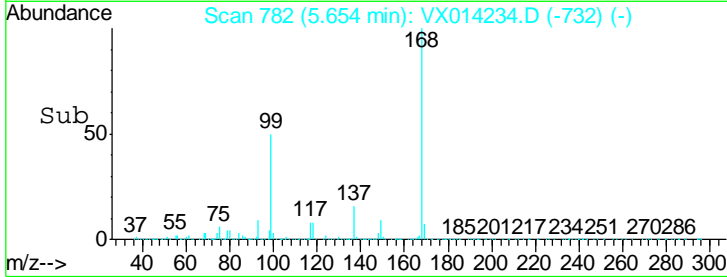
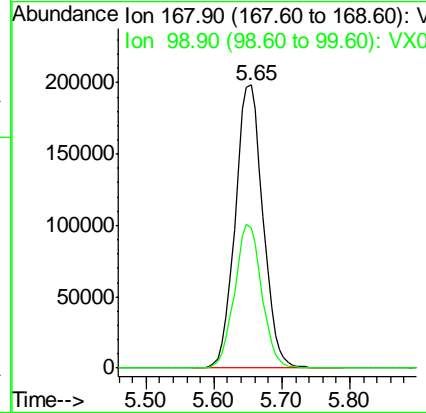
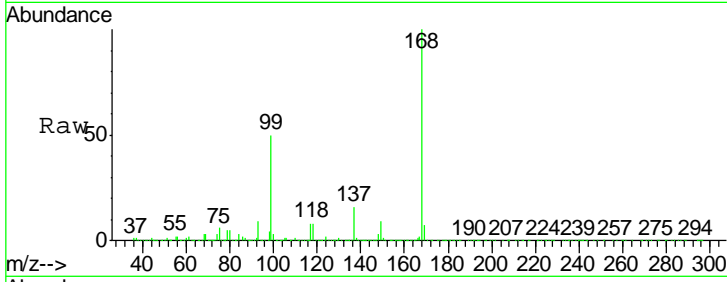
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- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014234.D
 Acq: 24 Dec 2019 10:32

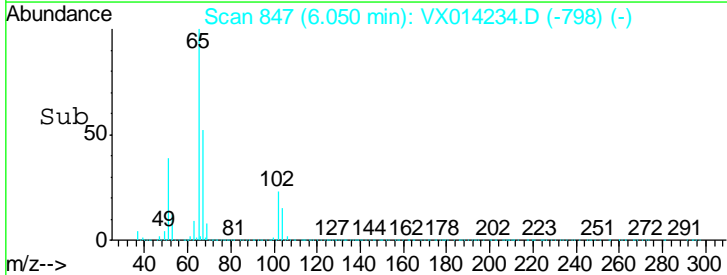
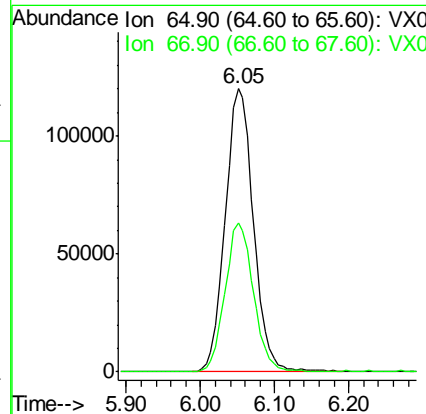
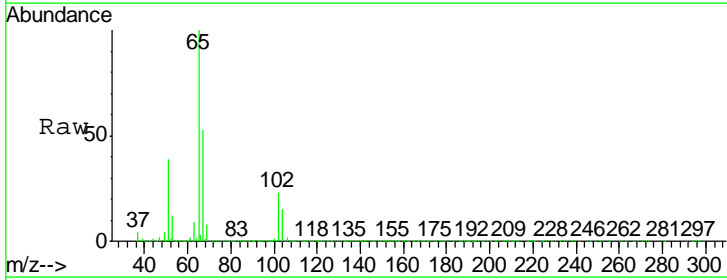
Instrument : MSVOA_X
 ClientSampled : VX1224WBL01

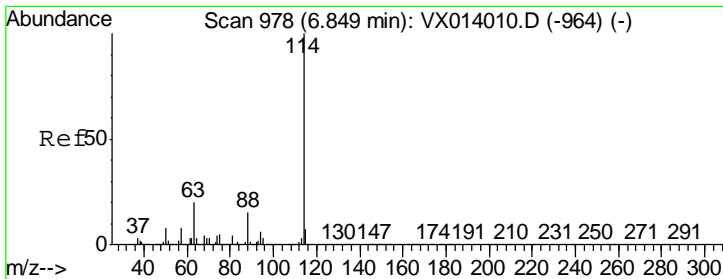
Tgt Ion	Resp	Lower	Upper
168	561321		
99	49.6	40.3	60.5



#33
 1,2-Dichloroethane-d4
 Concen: 49.443 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014234.D
 Acq: 24 Dec 2019 10:32

Tgt Ion	Resp	Lower	Upper
65	314547		
67	53.1	0.0	106.4

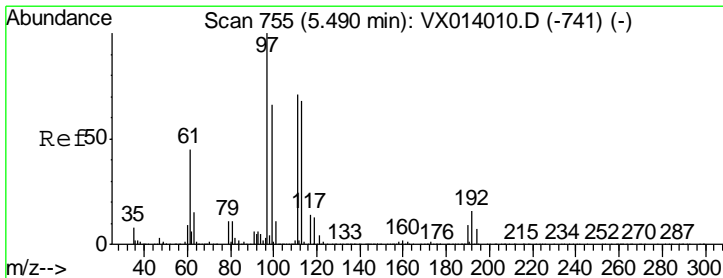
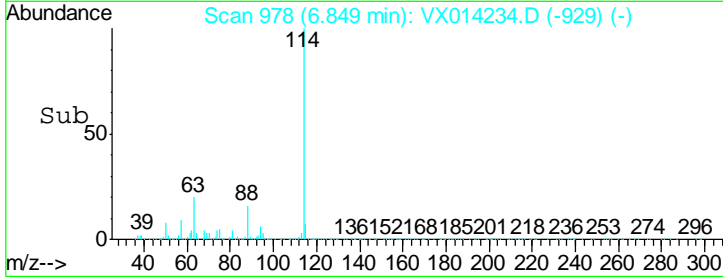
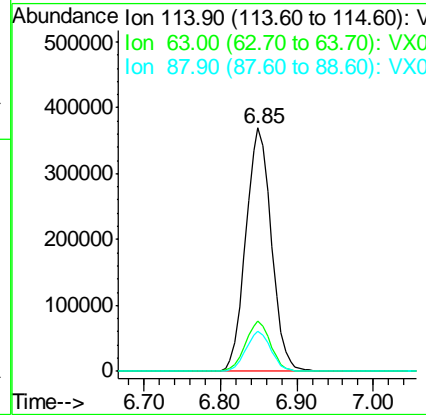
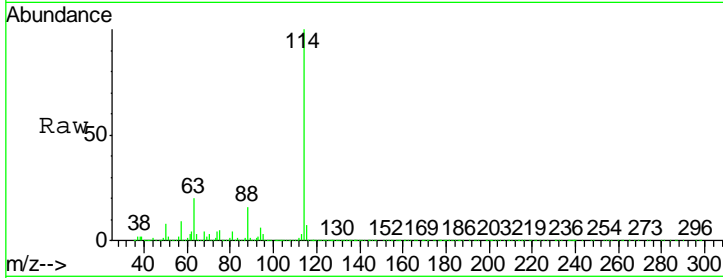




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014234.D
 Acq: 24 Dec 2019 10:32

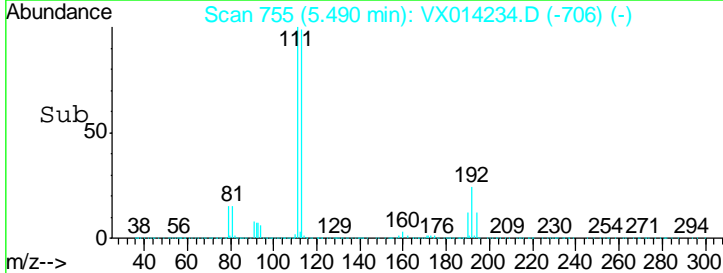
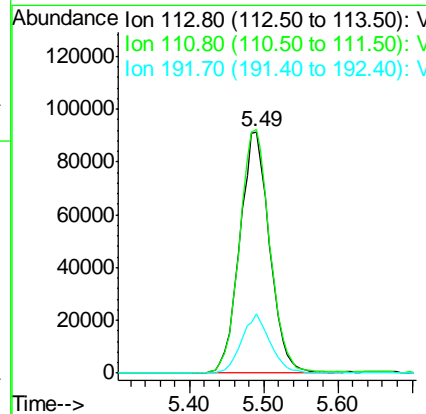
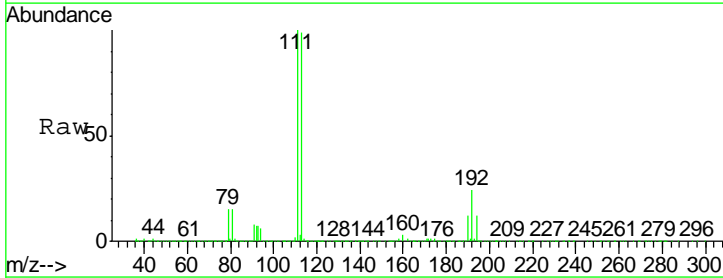
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224WBL01

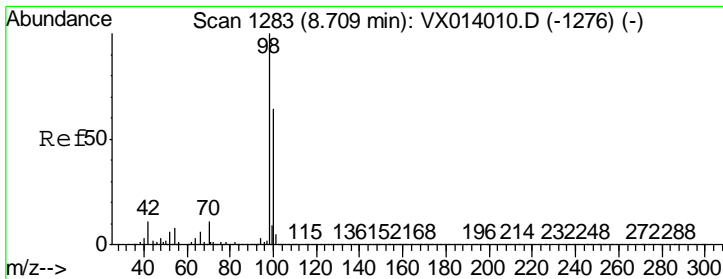
Tgt Ion	Resp	Lower	Upper
114	856402		
63	20.4	0.0	40.8
88	16.3	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 49.220 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014234.D
 Acq: 24 Dec 2019 10:32

Tgt Ion	Resp	Lower	Upper
113	256240		
111	102.6	82.0	123.0
192	23.0	19.3	28.9

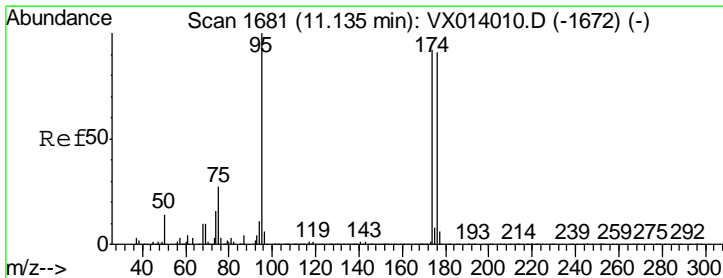
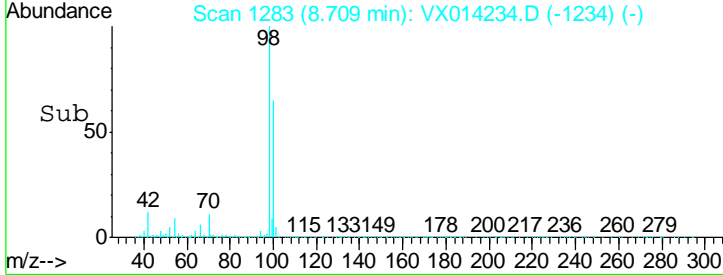
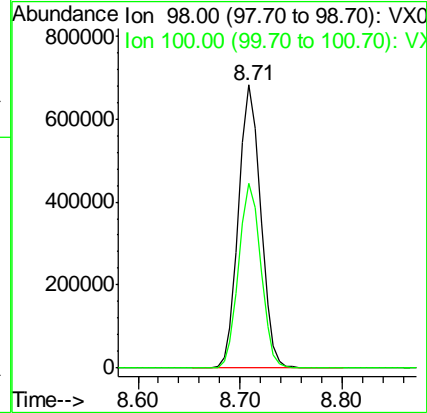
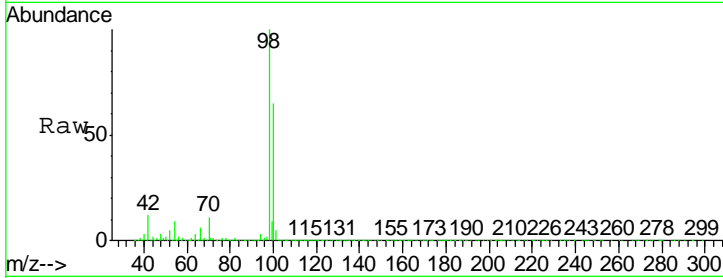




#50
 Toluene-d8
 Concen: 50.448 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX014234.D
 Acq: 24 Dec 2019 10:32

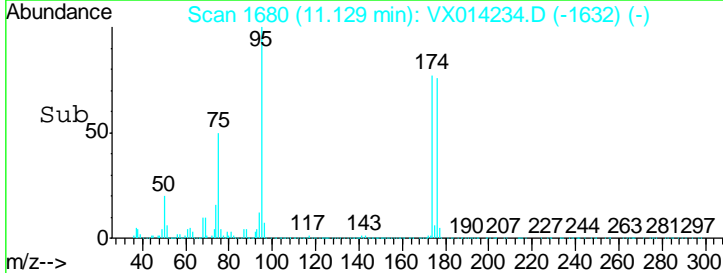
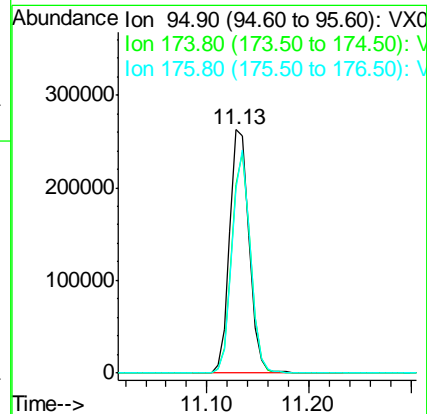
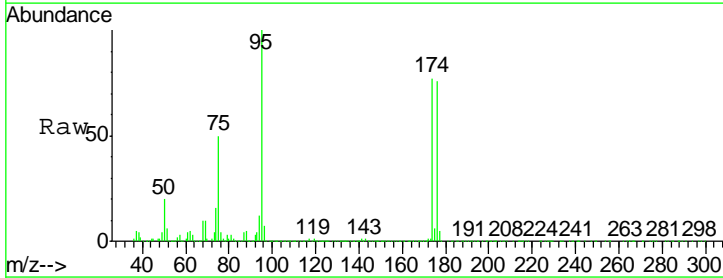
Instrument : MSVOA_X
 ClientSampled : VX1224WBL01

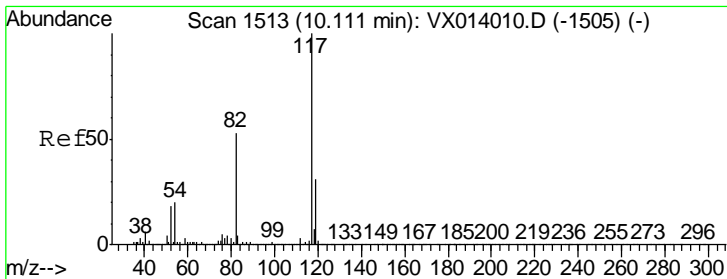
Tgt Ion	Resp	Lower	Upper
98	1022478		
100	65.3	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 46.867 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014234.D
 Acq: 24 Dec 2019 10:32

Tgt Ion	Resp	Lower	Upper
95	347235		
174	85.9	0.0	175.8
176	85.4	0.0	173.0

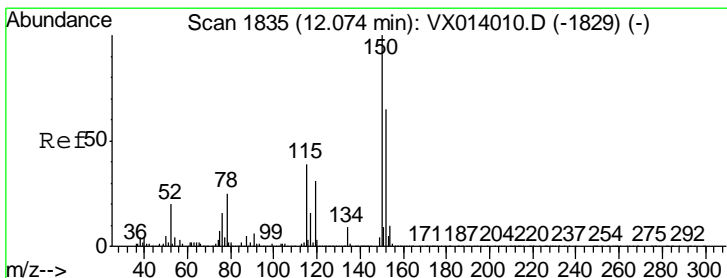
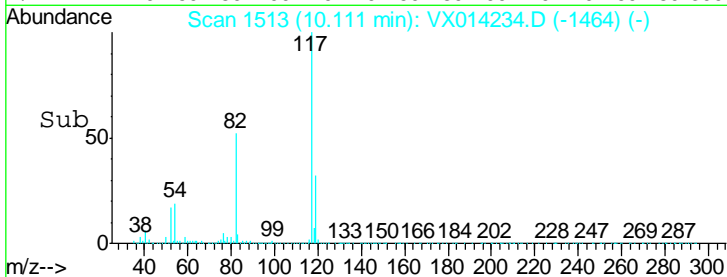
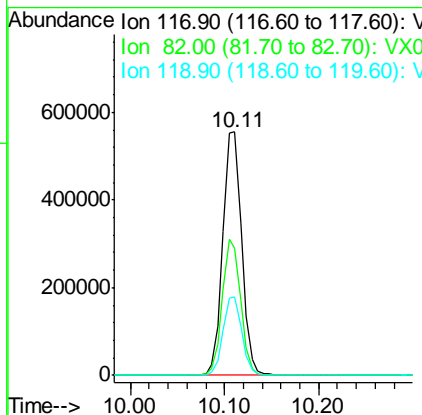
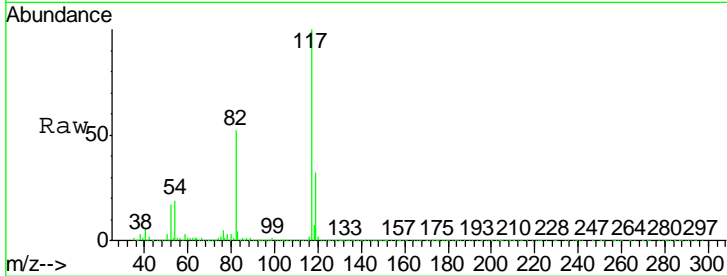




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX014234.D
 Acq: 24 Dec 2019 10:32

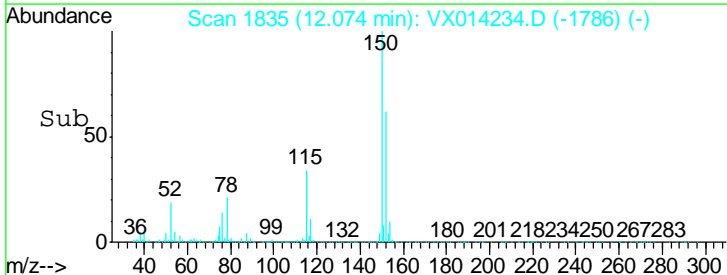
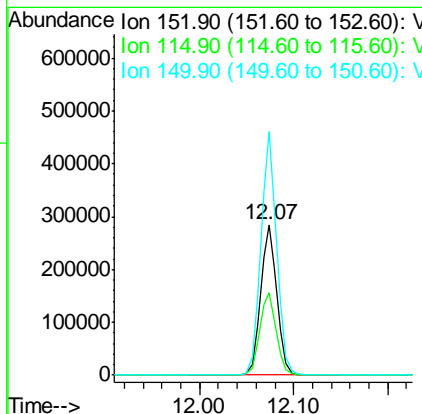
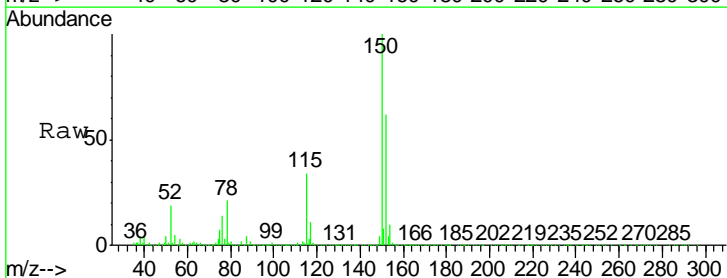
Instrument : MSVOA_X
 ClientSampled : VX1224WBL01

Tgt Ion	Resp	Lower	Upper
117	773822		
82	52.3	42.2	63.4
119	32.2	25.1	37.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014234.D
 Acq: 24 Dec 2019 10:32

Tgt Ion	Resp	Lower	Upper
152	345231		
115	55.9	38.3	114.9
150	158.4	0.0	345.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122419\
 Data File : VX014234.D
 Acq On : 24 Dec 2019 10:32
 Operator : JC/SP
 Sample : VX1224WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224WBL01

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	38	rBV	437024	551390	20.81%	3.840%
2	1.265	57	62	67	rBV	39953	53759	2.03%	0.374%
3	1.600	107	117	121	rBV	32600	63069	2.38%	0.439%
4	5.490	745	755	768	rBV	296704	830084	31.33%	5.781%
5	5.648	770	781	793	rBV	532918	1485872	56.09%	10.348%
6	6.050	838	847	862	rBV	332904	874792	33.02%	6.092%
7	6.849	967	978	990	rBV	837295	1914420	72.26%	13.333%
8	8.709	1277	1283	1291	rBV	1757090	2649280	100.00%	18.451%
9	10.105	1507	1512	1521	rVB	1646773	2237623	84.46%	15.584%
10	11.135	1675	1681	1689	rBV	1292127	1685975	63.64%	11.742%
11	12.074	1830	1835	1844	rBV	1648509	2012476	75.96%	14.016%

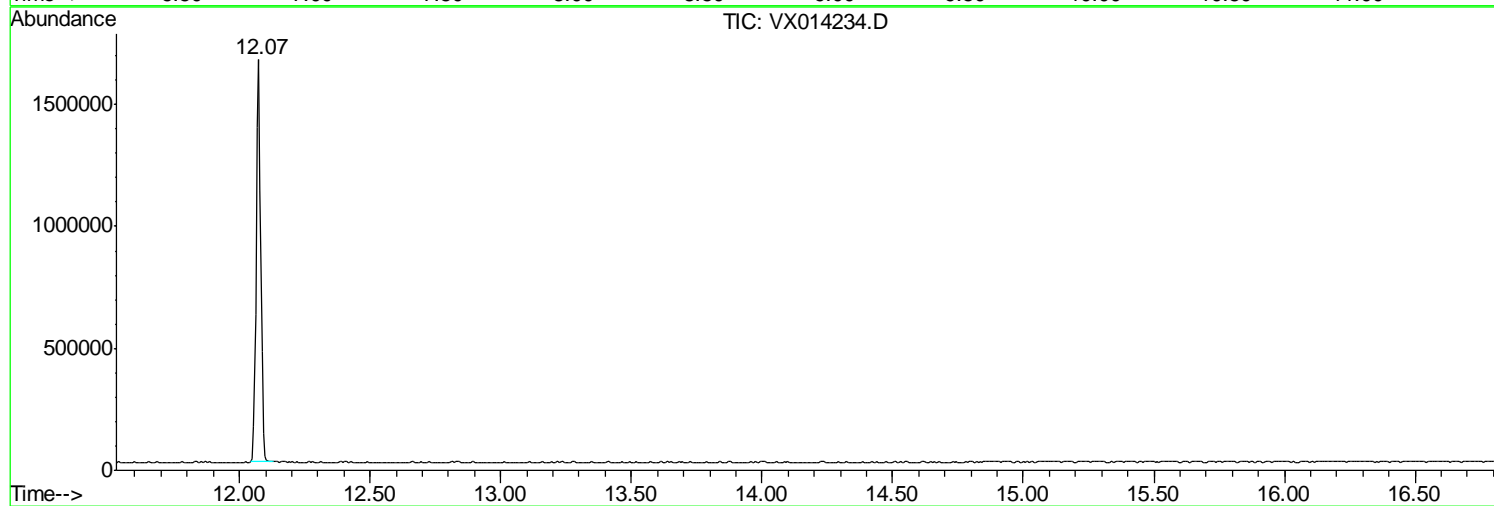
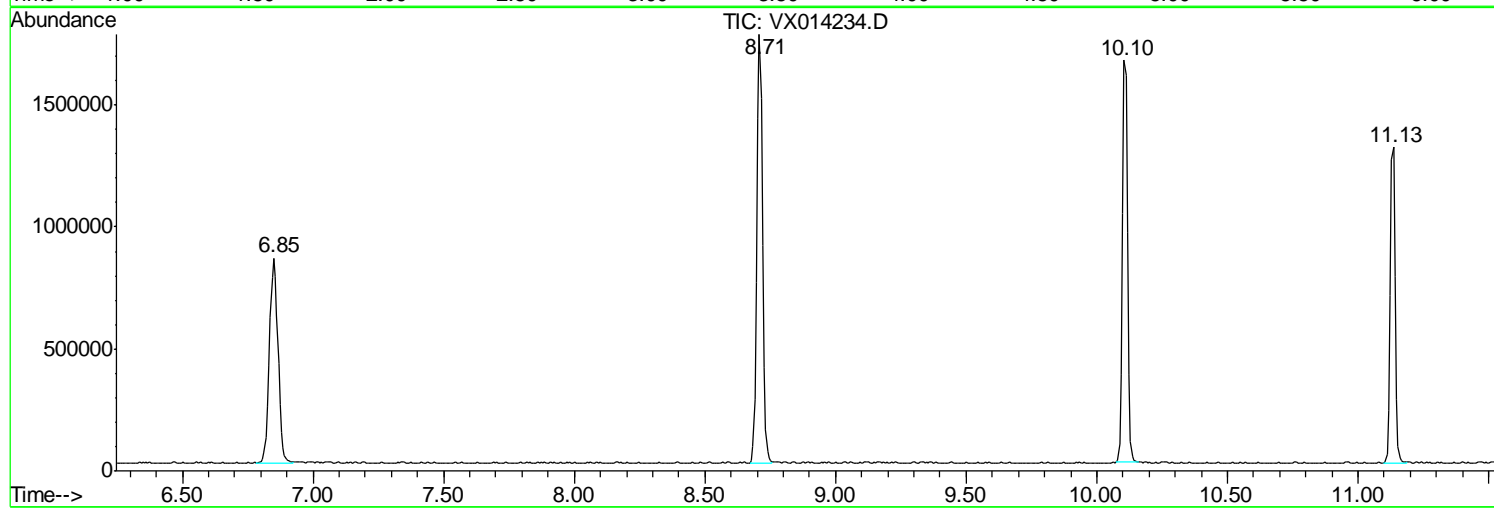
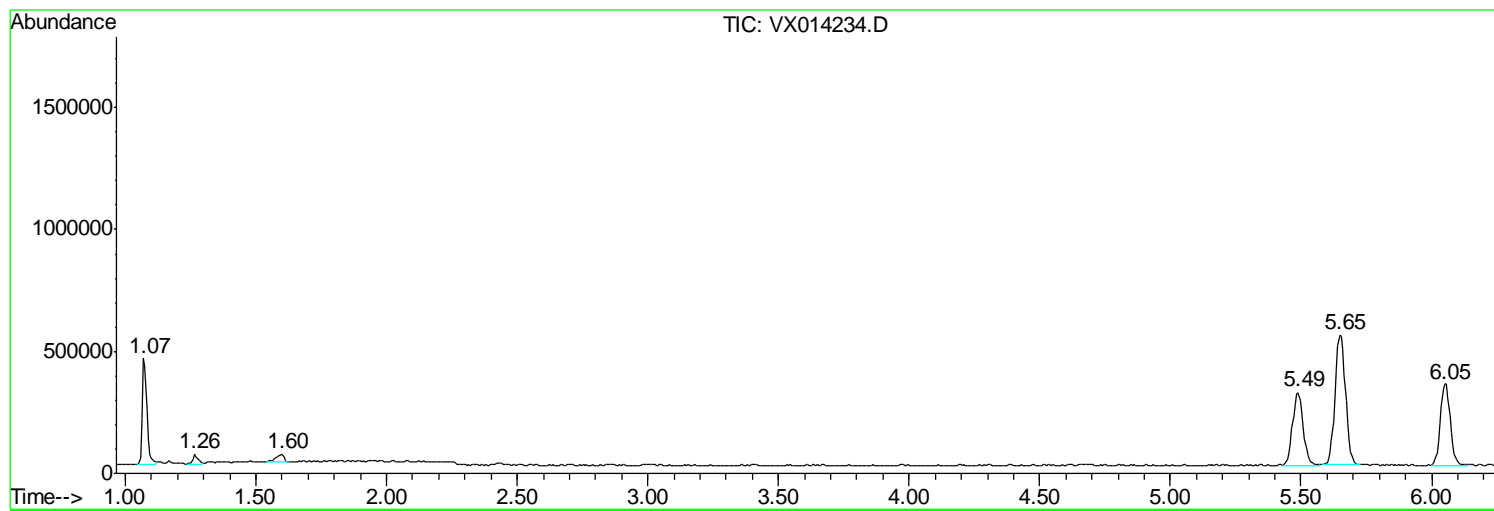
Sum of corrected areas: 14358740

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX122419\
Data File : VX014234.D
Acq On : 24 Dec 2019 10:32
Operator : JC/SP
Sample : VX1224WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1224WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122419\
Data File : VX014234.D
Acq On : 24 Dec 2019 10:32
Operator : JC/SP
Sample : VX1224WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1224WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122419\
 Data File : VX014234.D
 Acq On : 24 Dec 2019 10:32
 Operator : JC/SP
 Sample : VX1224WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

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

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



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1226WBL01	SDG No.:	K6405
Lab Sample ID:	VX1226WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014261.D	1		12/26/19 11:45	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.16	1.00	ug/L
74-83-9	Bromomethane	5.00	U	2.10	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.18	1.00	ug/L
67-64-1	Acetone	5.00	U	0.90	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.30	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.31	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.17	1.00	ug/L
71-43-2	Benzene	1.00	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.85	5.00	ug/L
108-88-3	Toluene	1.00	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1226WBL01	SDG No.:	K6405
Lab Sample ID:	VX1226WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014261.D	1		12/26/19 11:45	VX122619

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

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

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014261.D
 Acq On : 26 Dec 2019 11:45
 Operator : JC/SP
 Sample : VX1226WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBL01

Quant Time: Dec 27 06:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	553692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	848003	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	767663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	307917	49.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.14%	
35) Dibromofluoromethane	5.49	113	254903	49.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.90%	
50) Toluene-d8	8.71	98	1012464	50.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	340626	46.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.86%	

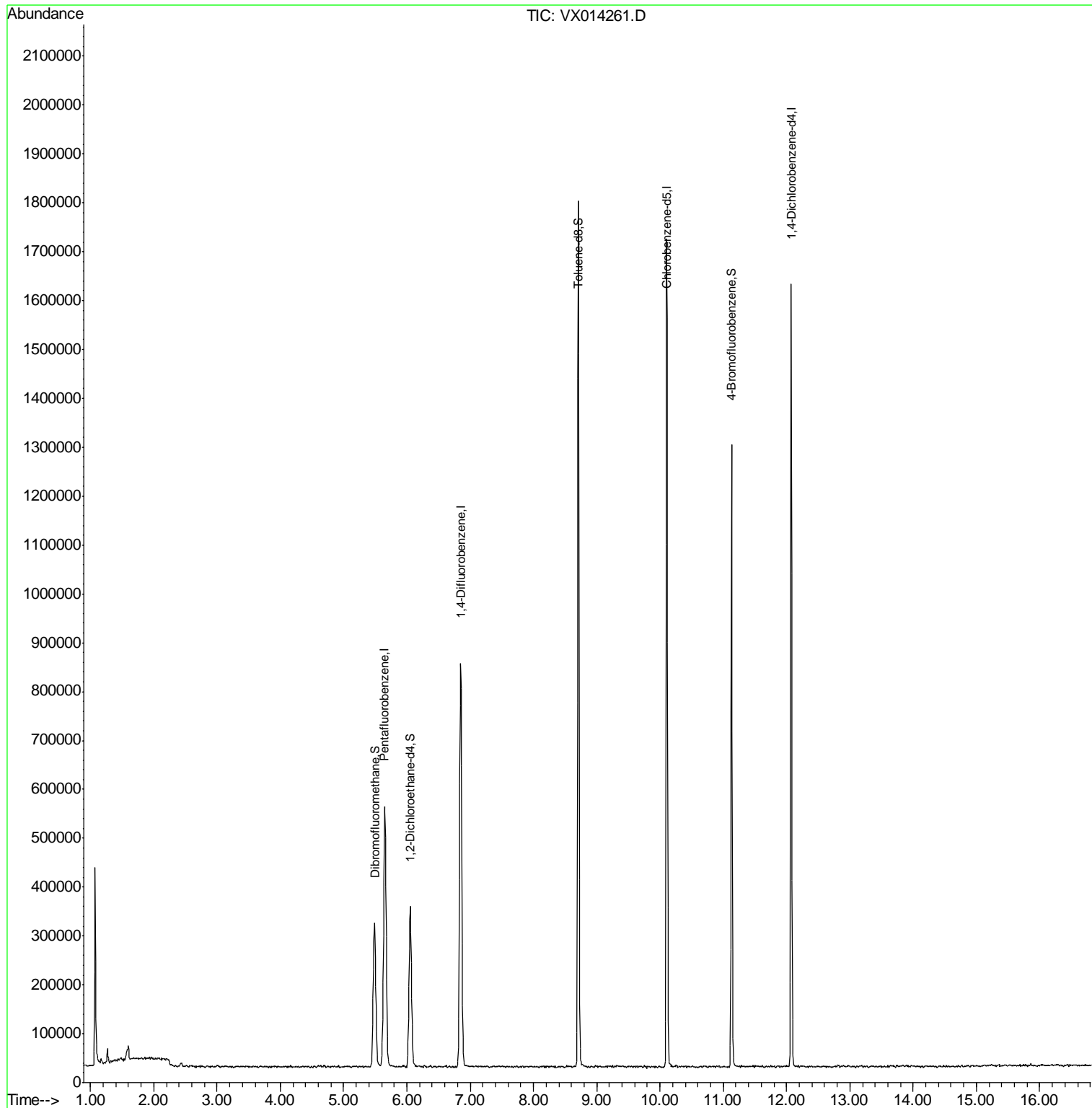
Target Compounds Qvalue

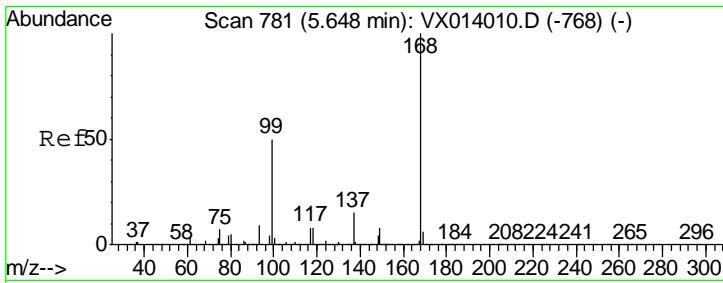
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
Data File : VX014261.D
Acq On : 26 Dec 2019 11:45
Operator : JC/SP
Sample : VX1226WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1226WBL01

Quant Time: Dec 27 06:39:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration

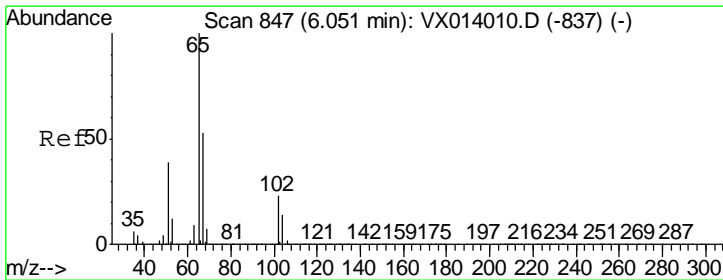
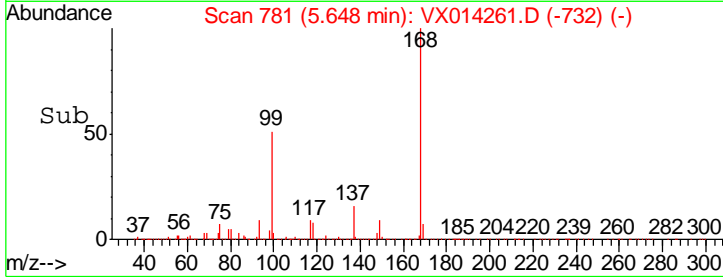
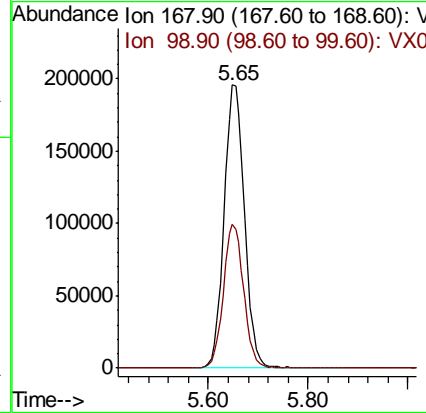
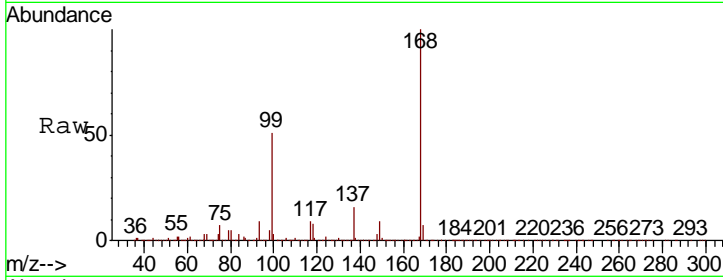




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014261.D
 Acq: 26 Dec 2019 11:45

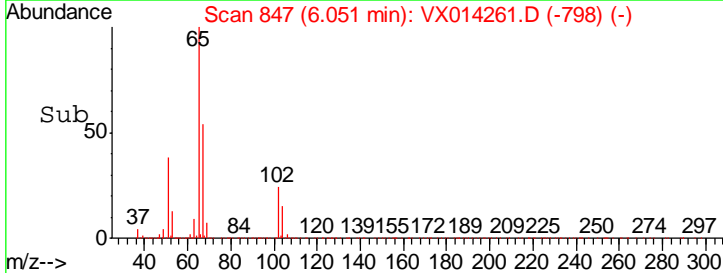
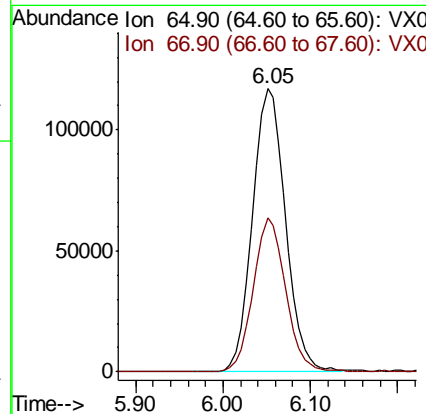
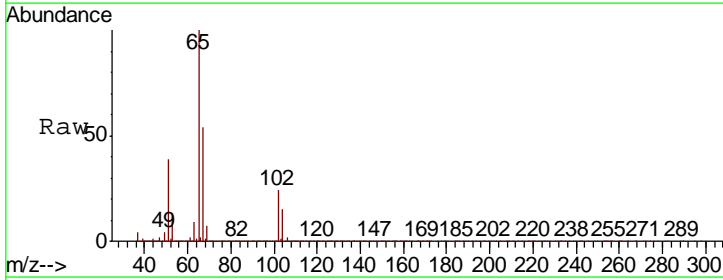
Instrument : MSVOA_X
 Client Sampled : VX1226WBL01

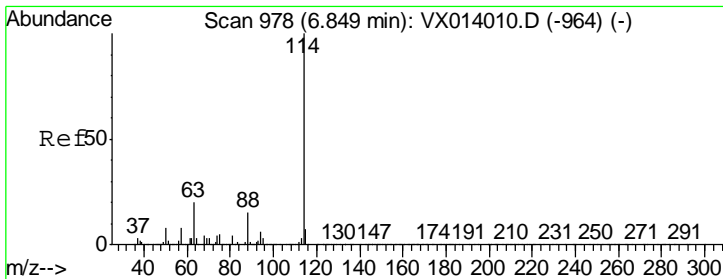
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.9	40.3	60.5



#33
 1,2-Dichloroethane-d4
 Concen: 49.068 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014261.D
 Acq: 26 Dec 2019 11:45

Tgt Ion	Resp	Lower	Upper
65	100		
67	52.9	0.0	106.4

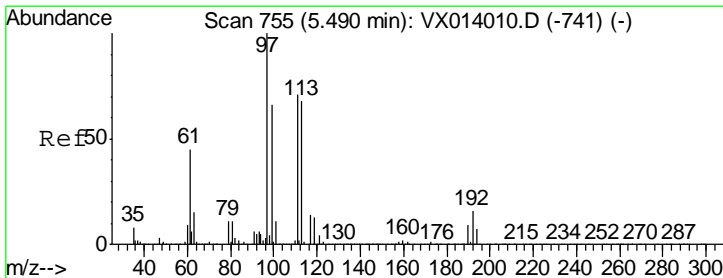
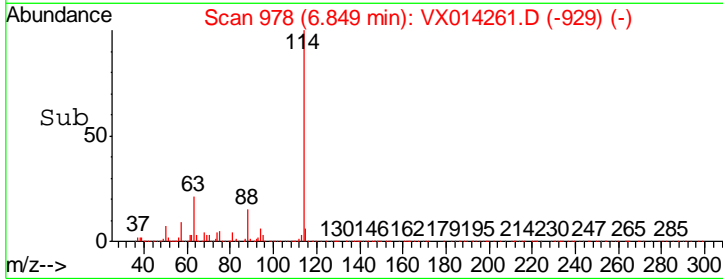
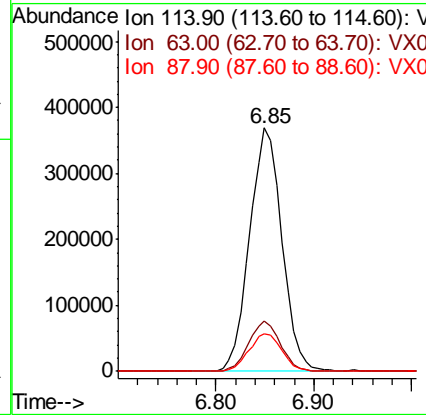
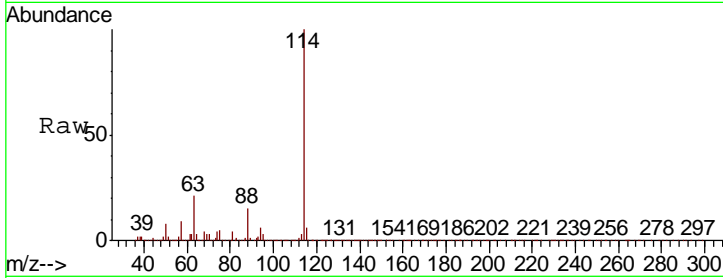




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014261.D
 Acq: 26 Dec 2019 11:45

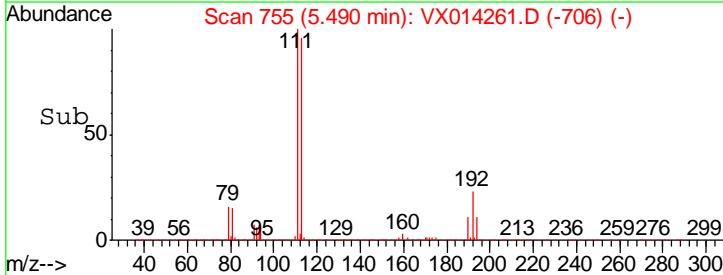
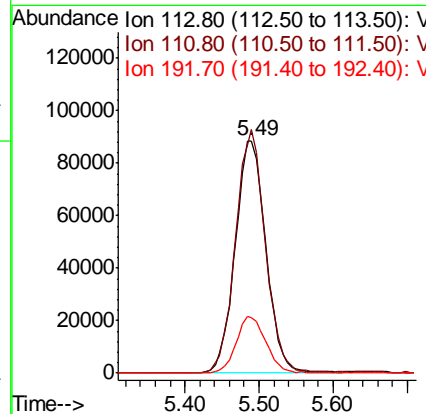
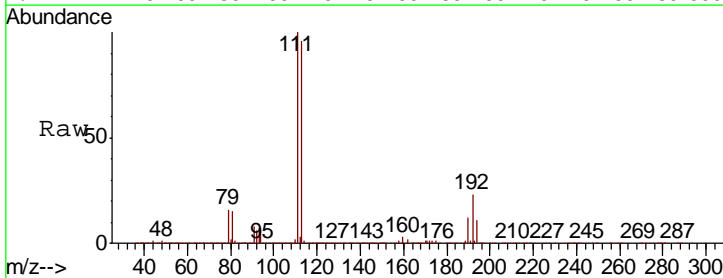
Instrument :
 MSVOA_X
 ClientSampled :
 VX1226WBL01

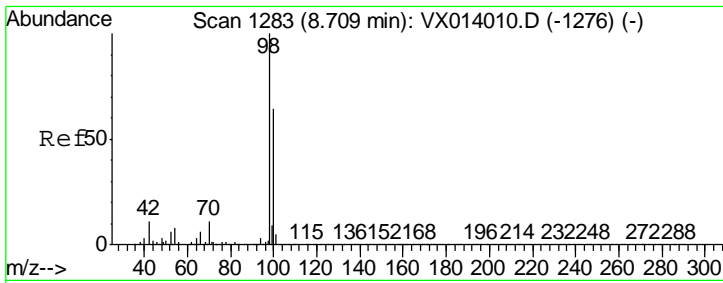
Tgt Ion	Resp	Lower	Upper
114	848003		
63	20.6	0.0	40.8
88	15.1	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 49.448 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014261.D
 Acq: 26 Dec 2019 11:45

Tgt Ion	Resp	Lower	Upper
113	254903		
111	101.8	82.0	123.0
192	23.8	19.3	28.9

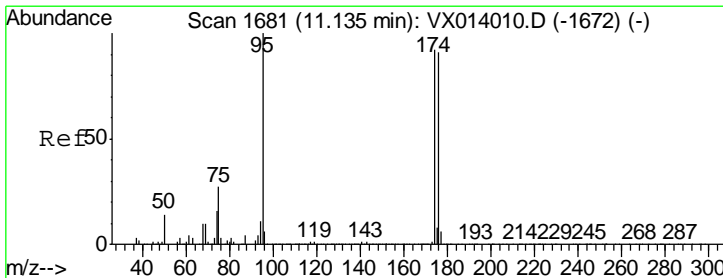
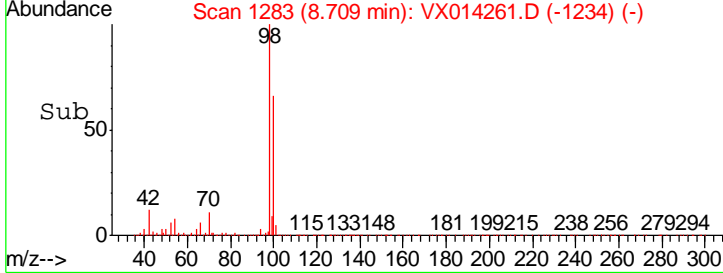
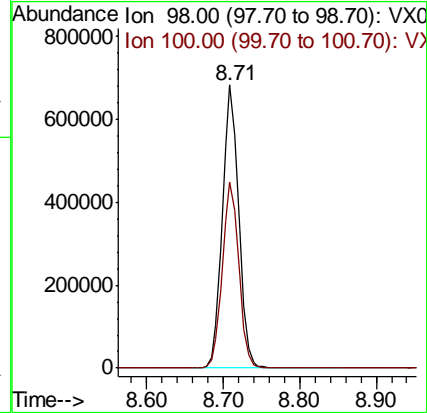
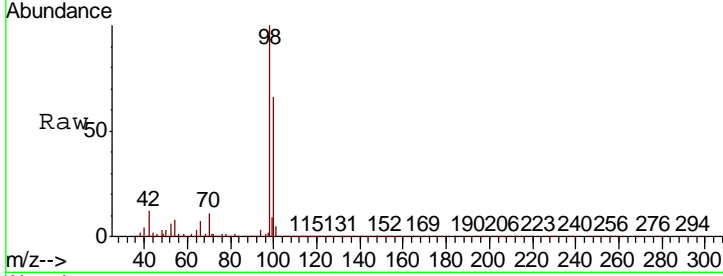




#50
 Toluene-d8
 Concen: 50.448 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014261.D
 Acq: 26 Dec 2019 11:45

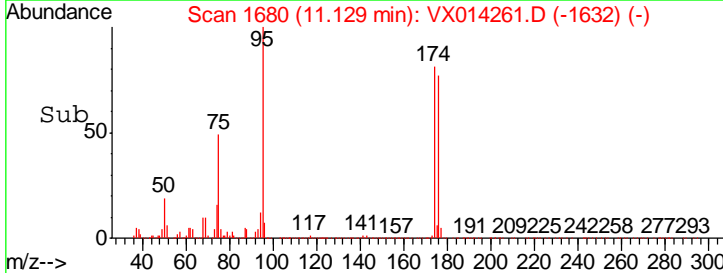
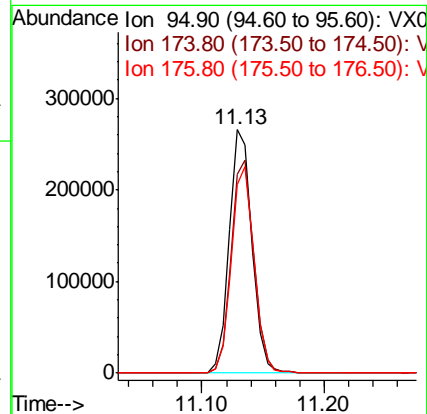
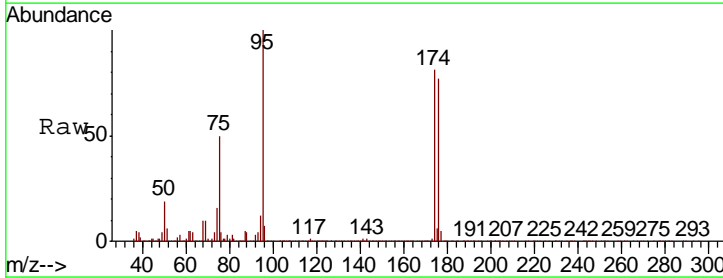
Instrument : MSVOA_X
 Client Sampled : VX1226WBL01

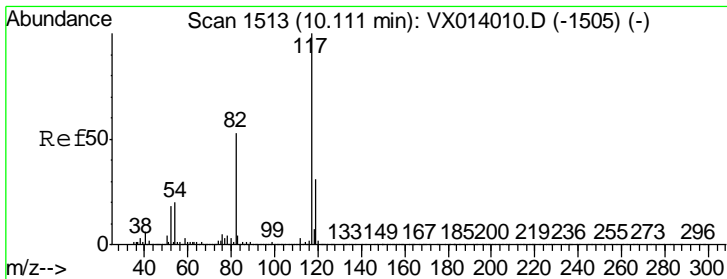
Tgt Ion	Resp	Lower	Upper
98	1012464		
98	100		
100	66.2	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 46.431 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014261.D
 Acq: 26 Dec 2019 11:45

Tgt Ion	Resp	Lower	Upper
95	340626		
95	100		
174	87.7	0.0	175.8
176	84.2	0.0	173.0

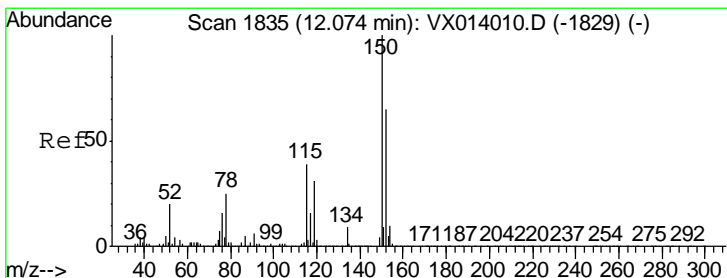
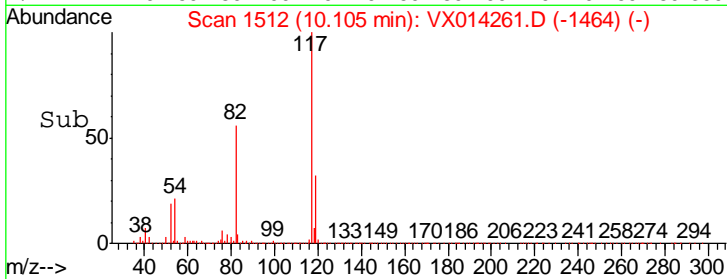
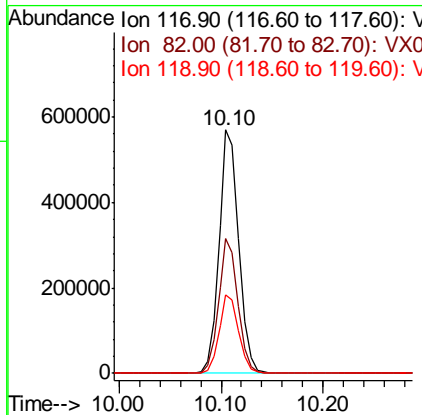
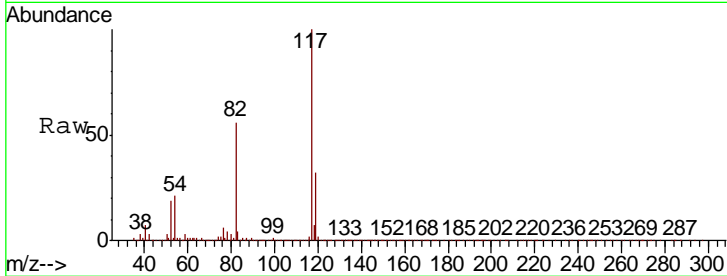




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014261.D
 Acq: 26 Dec 2019 11:45

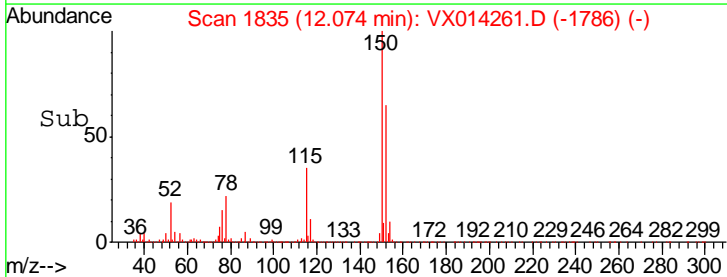
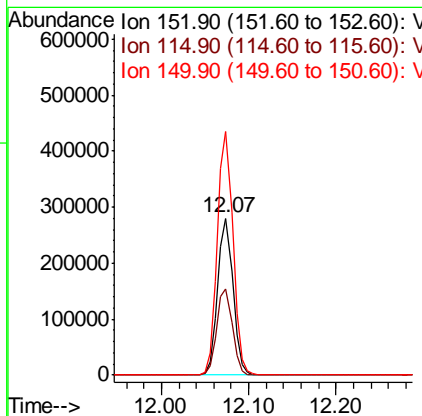
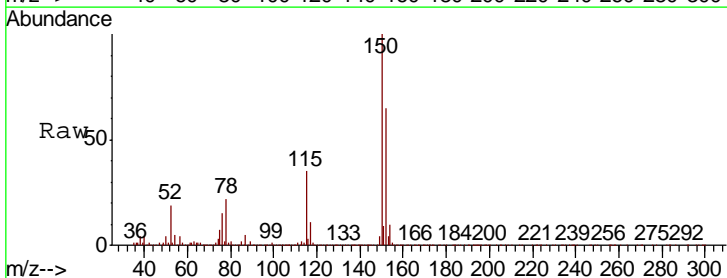
Instrument :
 MSVOA_X
 ClientSampled :
 VX1226WBL01

Tgt Ion	Resp	Lower	Upper
117	767663		
82	55.6	42.2	63.4
119	32.1	25.1	37.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014261.D
 Acq: 26 Dec 2019 11:45

Tgt Ion	Resp	Lower	Upper
152	338103		
115	56.1	38.3	114.9
150	157.8	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014261.D
 Acq On : 26 Dec 2019 11:45
 Operator : JC/SP
 Sample : VX1226WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBL01

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	27	30	43	rBV	404119	526717	20.04%	3.691%
2	1.265	59	62	69	rVB	29943	40337	1.53%	0.283%
3	1.594	107	116	121	rBV	30582	74849	2.85%	0.525%
4	5.490	742	755	768	rBV	296153	847512	32.24%	5.939%
5	5.648	770	781	793	rVV	531496	1469990	55.92%	10.301%
6	6.051	838	847	858	rBV	329723	874714	33.27%	6.130%
7	6.849	968	978	989	rBV	825950	1902385	72.36%	13.331%
8	8.709	1276	1283	1292	rBV	1771318	2628910	100.00%	18.422%
9	10.105	1507	1512	1521	rBV	1693311	2242261	85.29%	15.713%
10	11.129	1674	1680	1690	rBV	1274656	1675762	63.74%	11.743%
11	12.074	1830	1835	1845	rVB	1600265	1987022	75.58%	13.924%

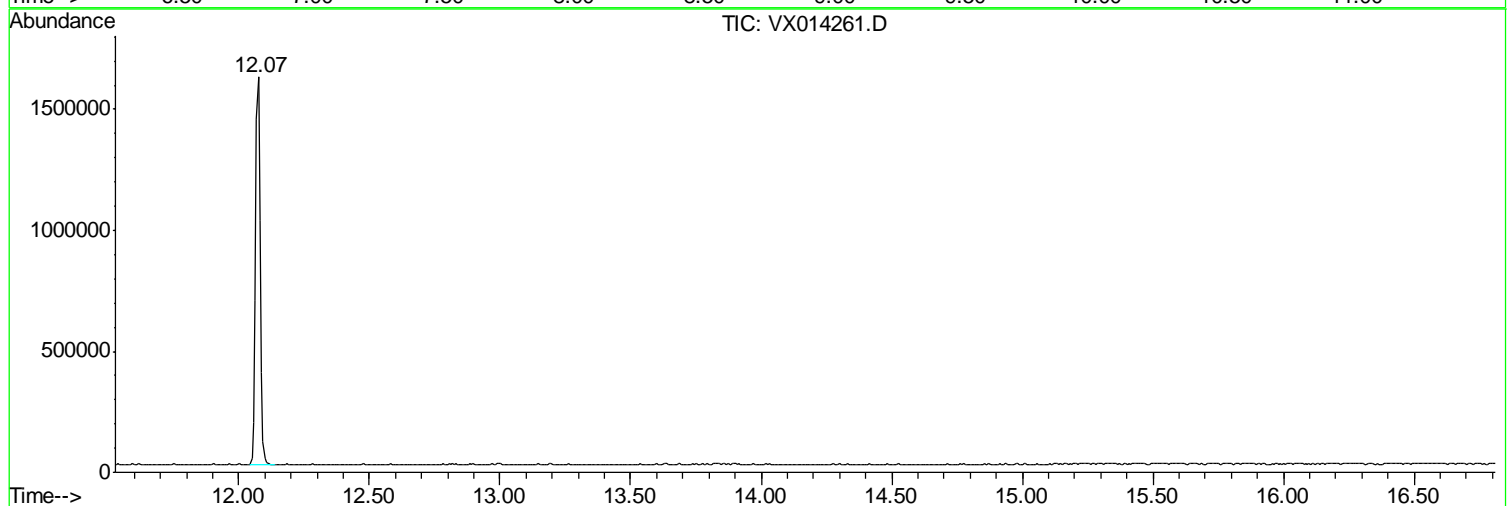
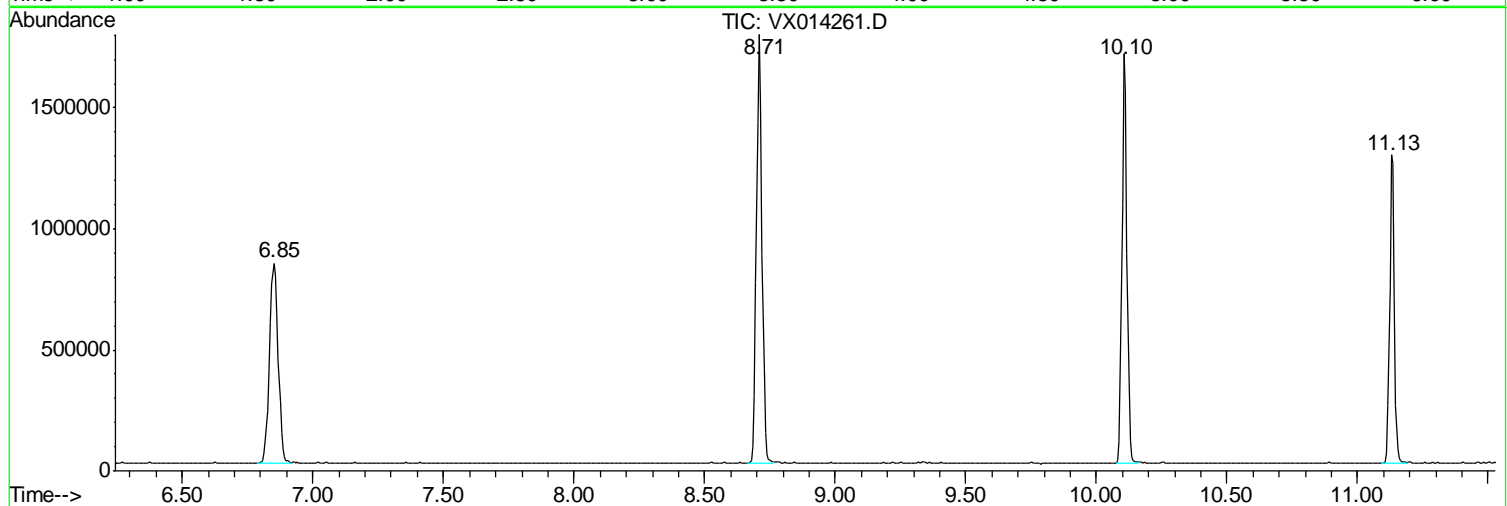
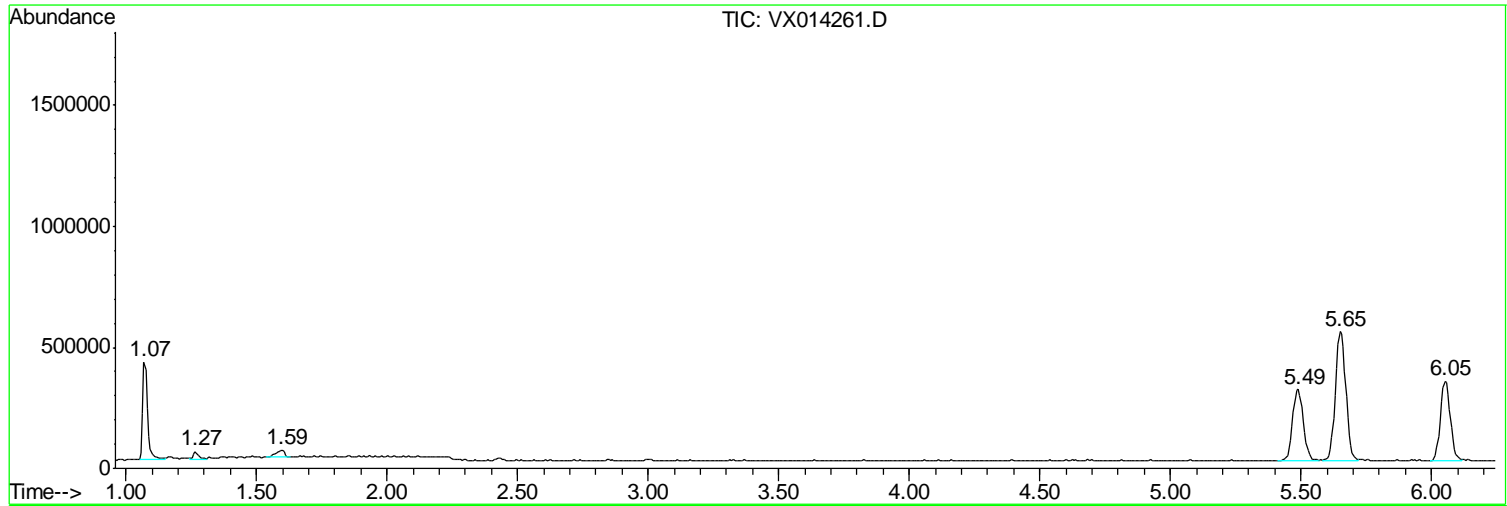
Sum of corrected areas: 14270459

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
Data File : VX014261.D
Acq On : 26 Dec 2019 11:45
Operator : JC/SP
Sample : VX1226WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1226WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
Data File : VX014261.D
Acq On : 26 Dec 2019 11:45
Operator : JC/SP
Sample : VX1226WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
Data File : VX014261.D
Acq On : 26 Dec 2019 11:45
Operator : JC/SP
Sample : VX1226WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

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

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



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1227WBL01	SDG No.:	K6405
Lab Sample ID:	VX1227WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014303.D	1		12/27/19 12:41	VX122719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.16	1.00	ug/L
74-83-9	Bromomethane	5.00	U	2.10	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.18	1.00	ug/L
67-64-1	Acetone	5.00	U	0.90	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.20	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.30	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.31	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.17	1.00	ug/L
71-43-2	Benzene	1.00	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.85	5.00	ug/L
108-88-3	Toluene	1.00	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1227WBL01	SDG No.:	K6405
Lab Sample ID:	VX1227WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014303.D	1		12/27/19 12:41	VX122719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.12	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	1.40	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.15	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.080	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.20	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.13	1.00	ug/L
100-42-5	Styrene	1.00	U	0.11	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		61 - 141	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		69 - 133	99%	SPK: 50
2037-26-5	Toluene-d8	50.6		65 - 126	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		58 - 135	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	545000	5.65			
540-36-3	1,4-Difluorobenzene	840000	6.84			
3114-55-4	Chlorobenzene-d5	753000	10.1			
3855-82-1	1,4-Dichlorobenzene-d4	322000	12.07			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014303.D
 Acq On : 27 Dec 2019 12:41
 Operator : JC/SP
 Sample : VX1227WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBL01

Quant Time: Dec 30 05:54:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	544872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	840483	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	752515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	322319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	302923	49.05	ug/l	0.00
Spiked Amount						
			Recovery	=		98.10%
35) Dibromofluoromethane	5.48	113	252804	49.48	ug/l	0.00
Spiked Amount						
			Recovery	=		98.96%
50) Toluene-d8	8.71	98	1006962	50.62	ug/l	0.00
Spiked Amount						
			Recovery	=		101.24%
62) 4-Bromofluorobenzene	11.13	95	330357	45.43	ug/l	0.00
Spiked Amount						
			Recovery	=		90.86%

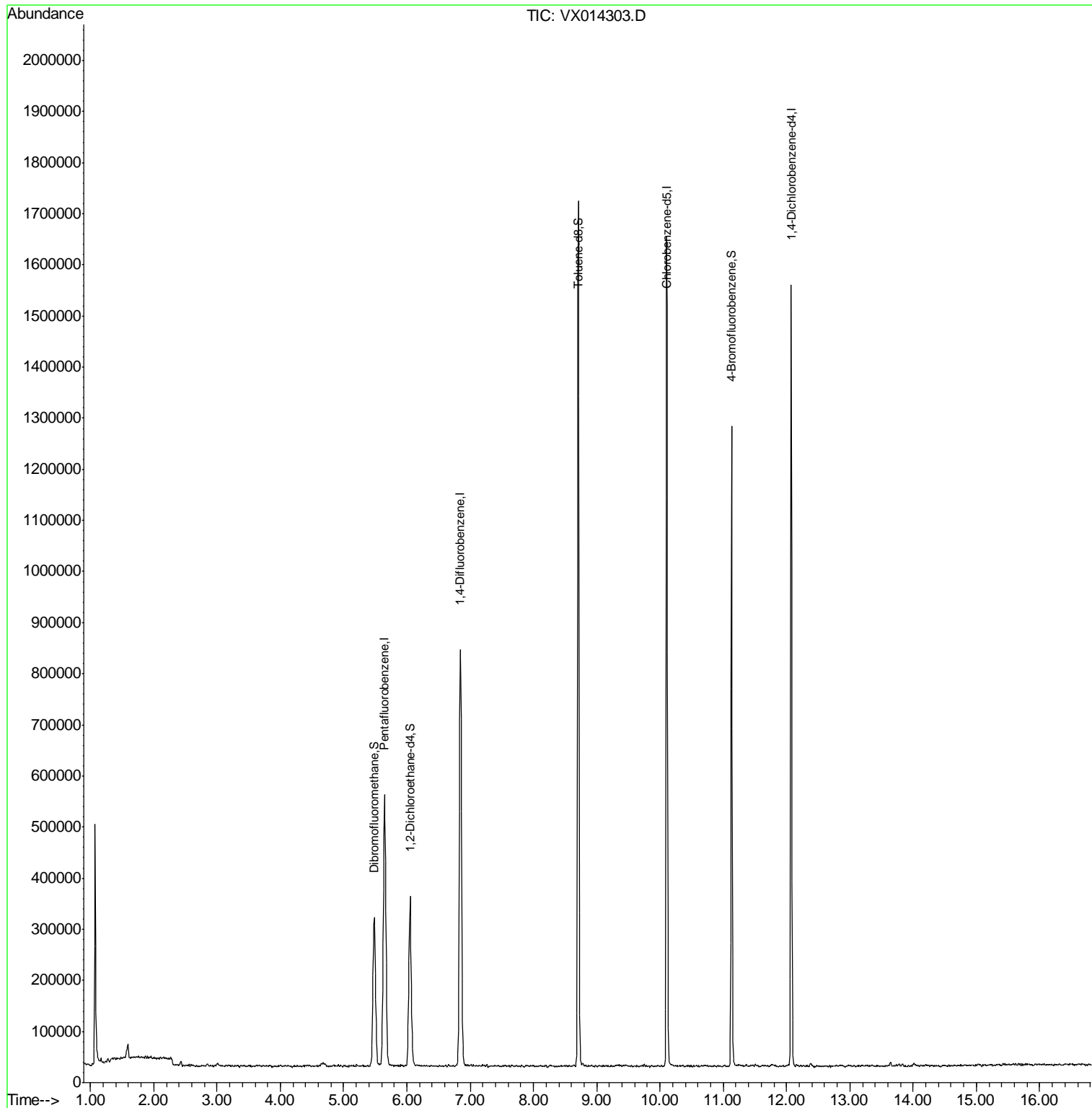
Target Compounds Qvalue

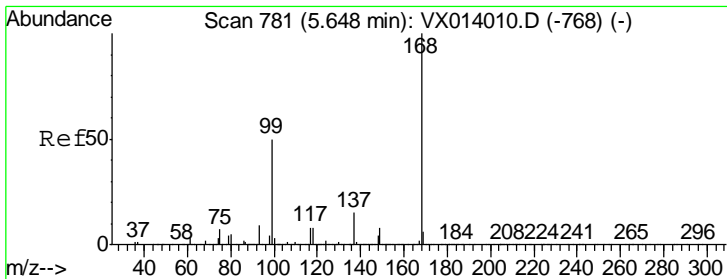
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
Data File : VX014303.D
Acq On : 27 Dec 2019 12:41
Operator : JC/SP
Sample : VX1227WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1227WBL01

Quant Time: Dec 30 05:54:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration

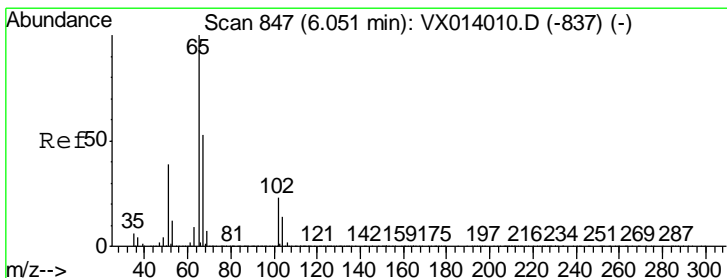
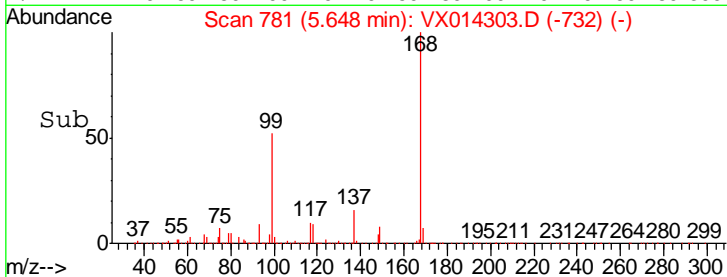
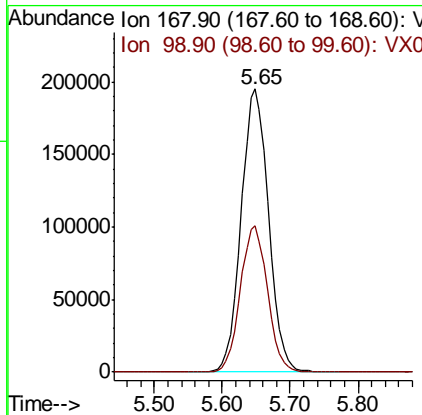
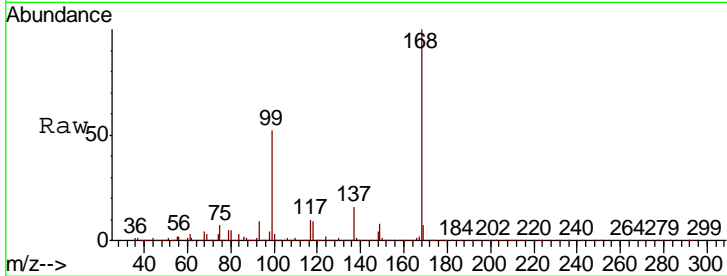




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014303.D
 Acq: 27 Dec 2019 12:41

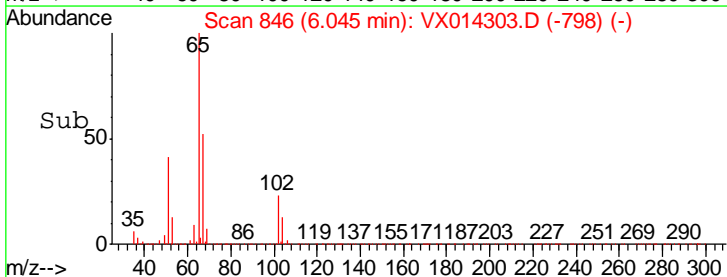
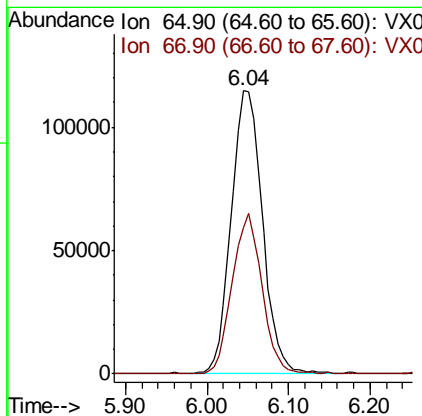
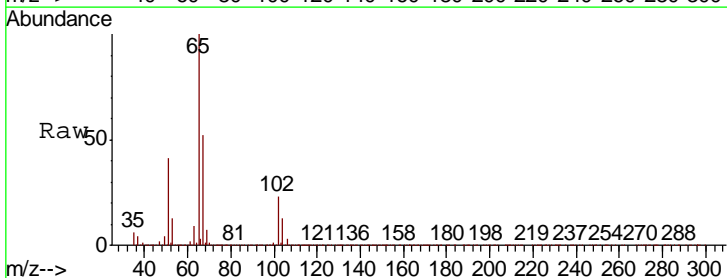
Instrument :
 MSVOA_X
 ClientSampled :
 VX1227WBL01

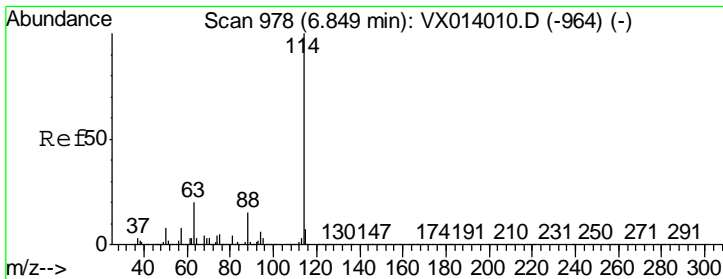
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.8	40.3	60.5



#33
 1,2-Dichloroethane-d4
 Concen: 49.053 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014303.D
 Acq: 27 Dec 2019 12:41

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.3	0.0	106.4

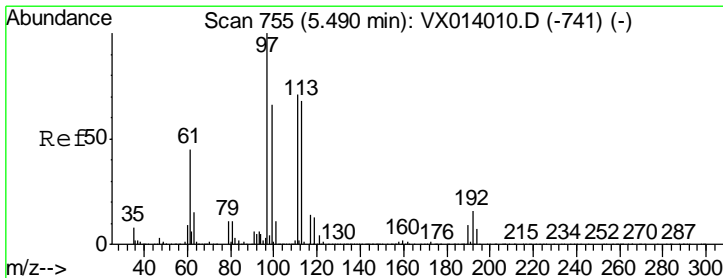
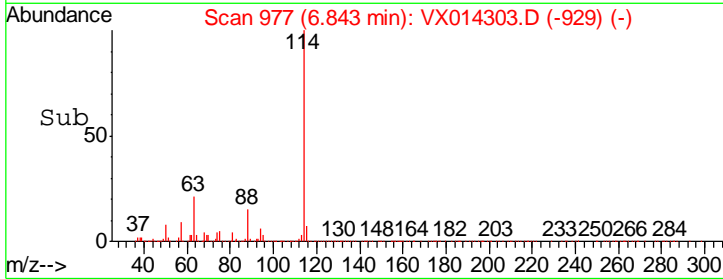
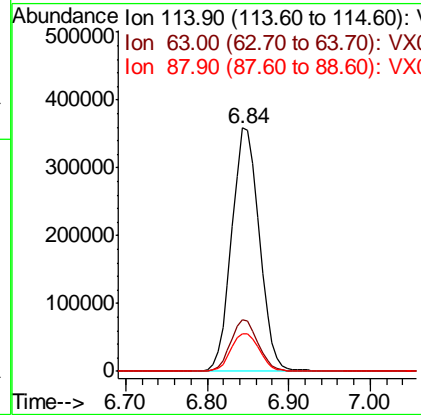
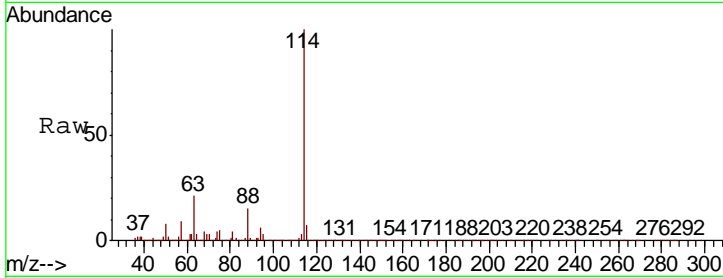




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014303.D
 Acq: 27 Dec 2019 12:41

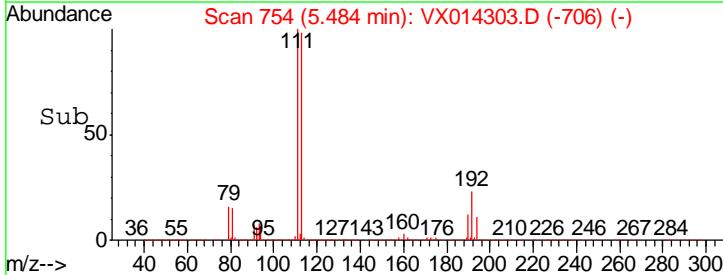
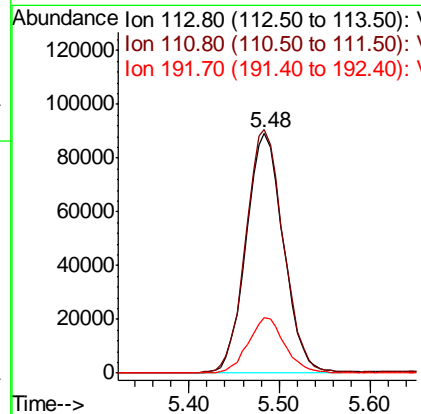
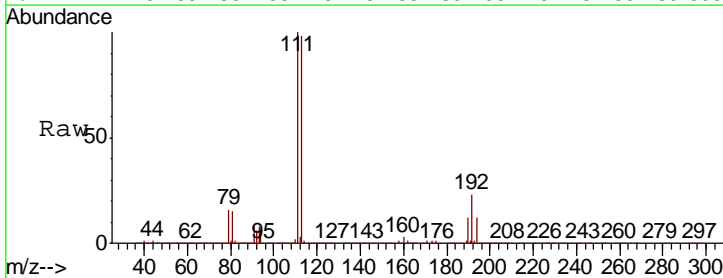
Instrument : MSVOA_X
 ClientSampled : VX1227WBL01

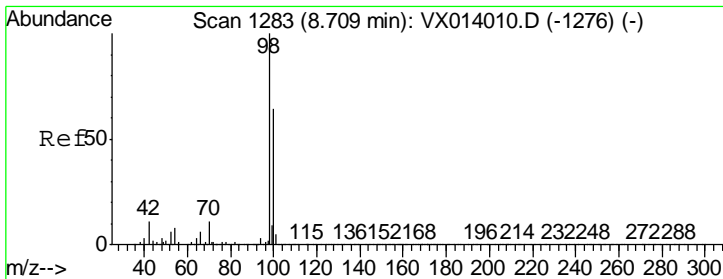
Tgt Ion	Resp	Lower	Upper
114	840483		
63	21.2	0.0	40.8
88	15.2	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 49.480 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014303.D
 Acq: 27 Dec 2019 12:41

Tgt Ion	Resp	Lower	Upper
113	252804		
111	103.4	82.0	123.0
192	22.9	19.3	28.9

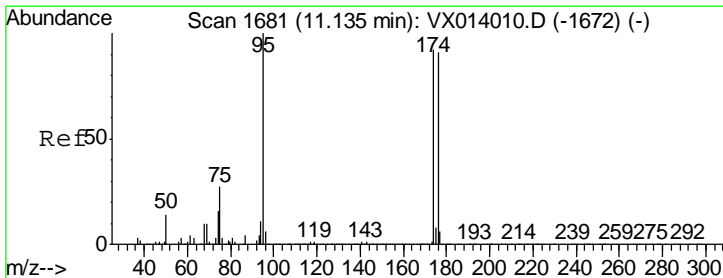
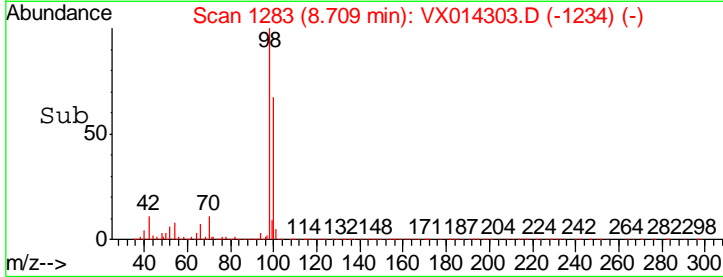
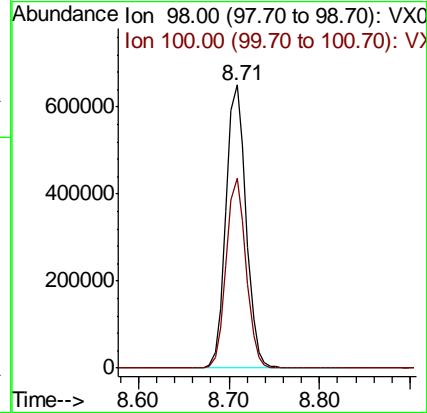
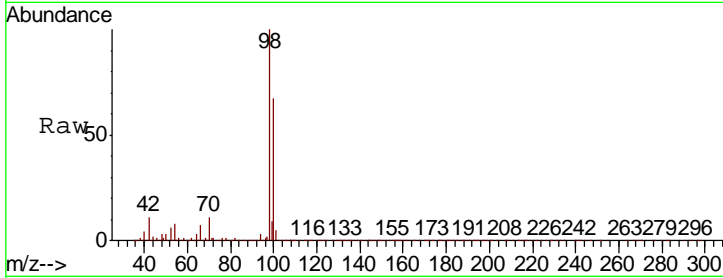




#50
 Toluene-d8
 Concen: 50.623 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014303.D
 Acq: 27 Dec 2019 12:41

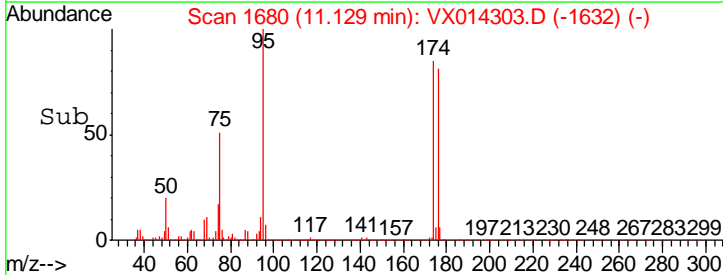
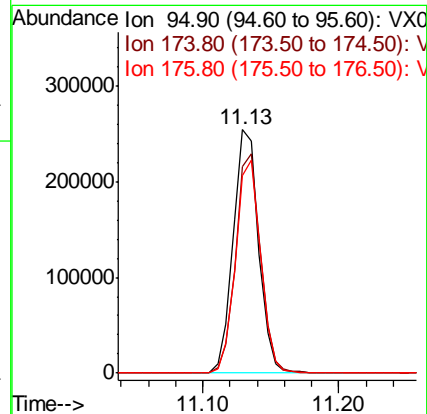
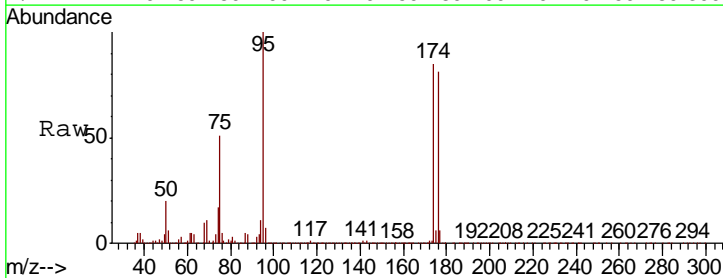
Instrument :
 MSVOA_X
 ClientSampled :
 VX1227WBL01

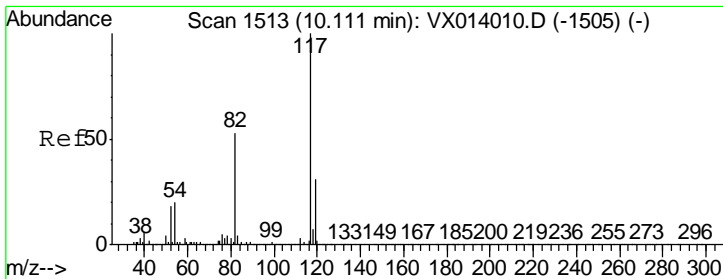
Tgt Ion	Resp	Lower	Upper
98	1006962		
98	100		
100	66.3	52.9	79.3



#62
 4-Bromofluorobenzene
 Concen: 45.434 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014303.D
 Acq: 27 Dec 2019 12:41

Tgt Ion	Resp	Lower	Upper
95	330357		
95	100		
174	89.0	0.0	175.8
176	86.4	0.0	173.0

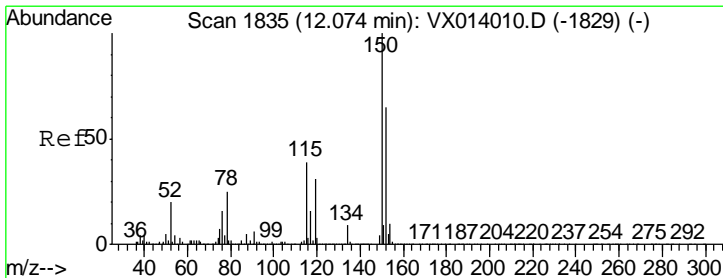
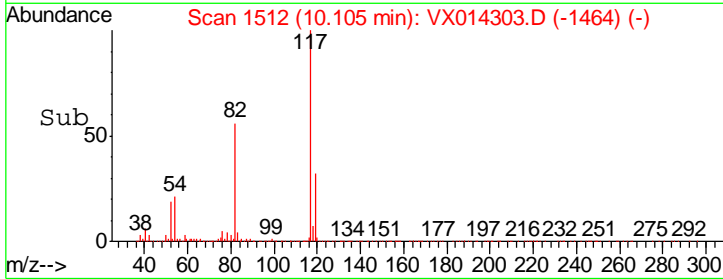
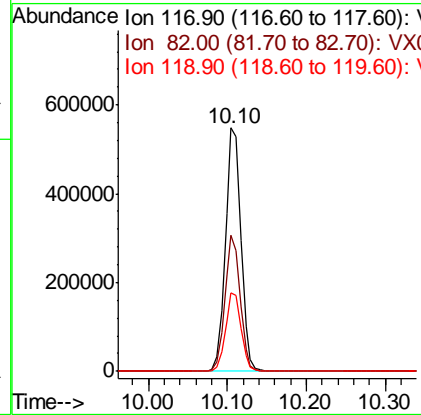
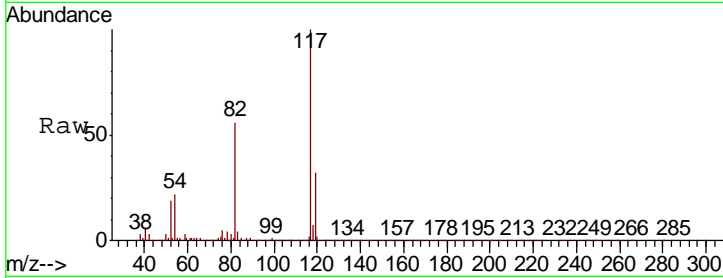




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014303.D
 Acq: 27 Dec 2019 12:41

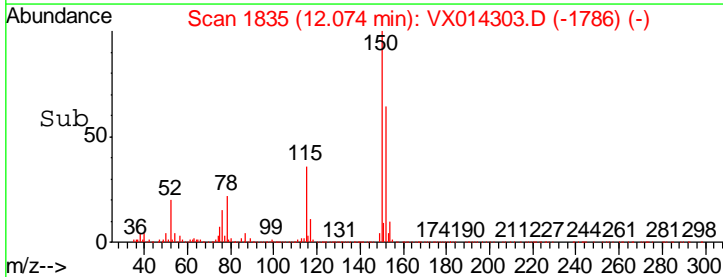
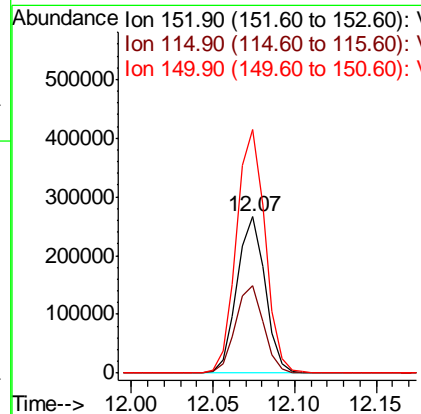
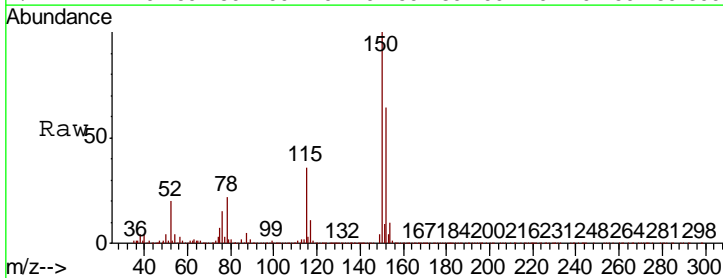
Instrument : MSVOA_X
 ClientSampled : VX1227WBL01

Tgt Ion	Resp	Lower	Upper
117	752515		
82	55.8	42.2	63.4
119	32.2	25.1	37.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014303.D
 Acq: 27 Dec 2019 12:41

Tgt Ion	Resp	Lower	Upper
152	322319		
115	55.8	38.3	114.9
150	157.7	0.0	345.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014303.D
 Acq On : 27 Dec 2019 12:41
 Operator : JC/SP
 Sample : VX1227WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBL01

Integration Parameters: RTEINT.P

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.070	26	30	43	rBV	469297	601812	22.83%	4.289%
2	1.588	109	115	119	rVB9	26807	46971	1.78%	0.335%
3	5.484	742	754	764	rBV	290952	830820	31.52%	5.920%
4	5.648	770	781	792	rVB	528610	1462246	55.48%	10.420%
5	6.051	837	847	861	rVB2	331775	854894	32.44%	6.092%
6	6.843	968	977	990	rVB	814209	1892120	71.79%	13.483%
7	8.709	1276	1283	1292	rBV	1694431	2635672	100.00%	18.782%
8	10.105	1507	1512	1524	rBV	1623721	2192666	83.19%	15.625%
9	11.129	1675	1680	1687	rBV	1250882	1617132	61.36%	11.524%
10	12.074	1829	1835	1843	rVB	1528654	1898811	72.04%	13.531%

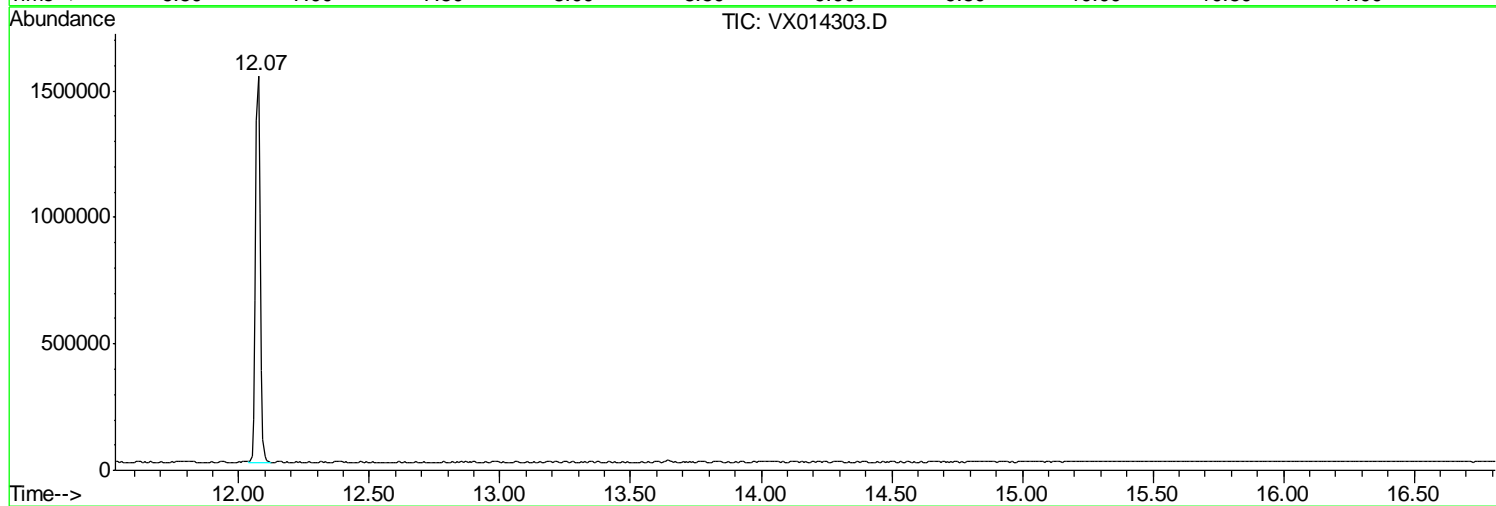
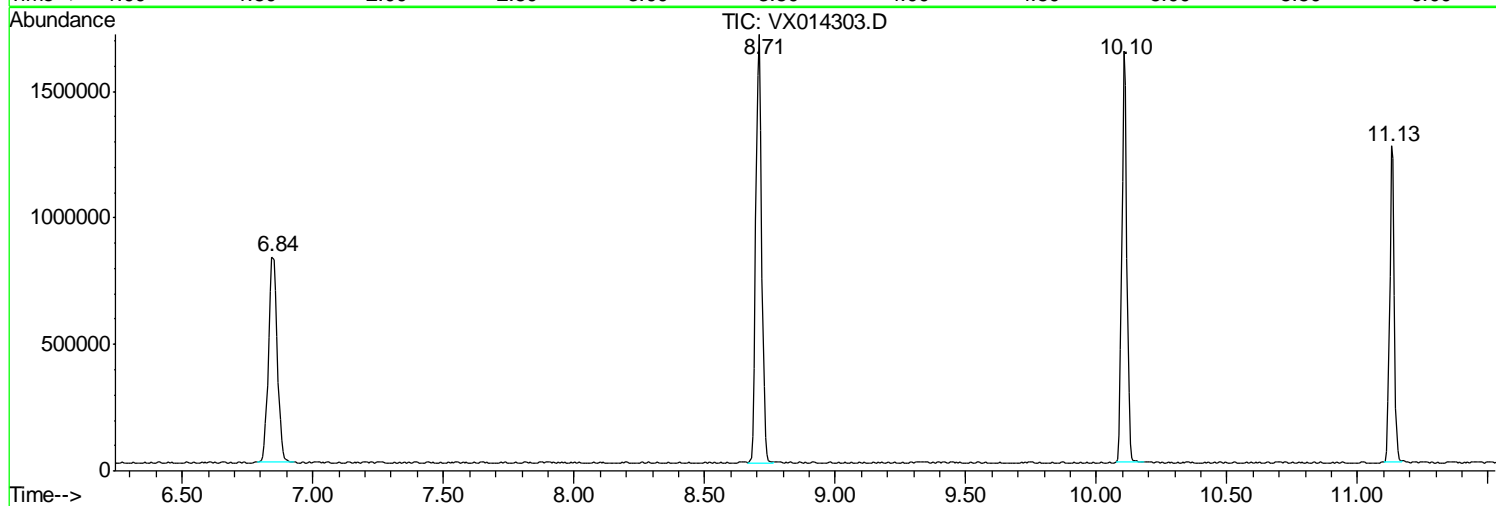
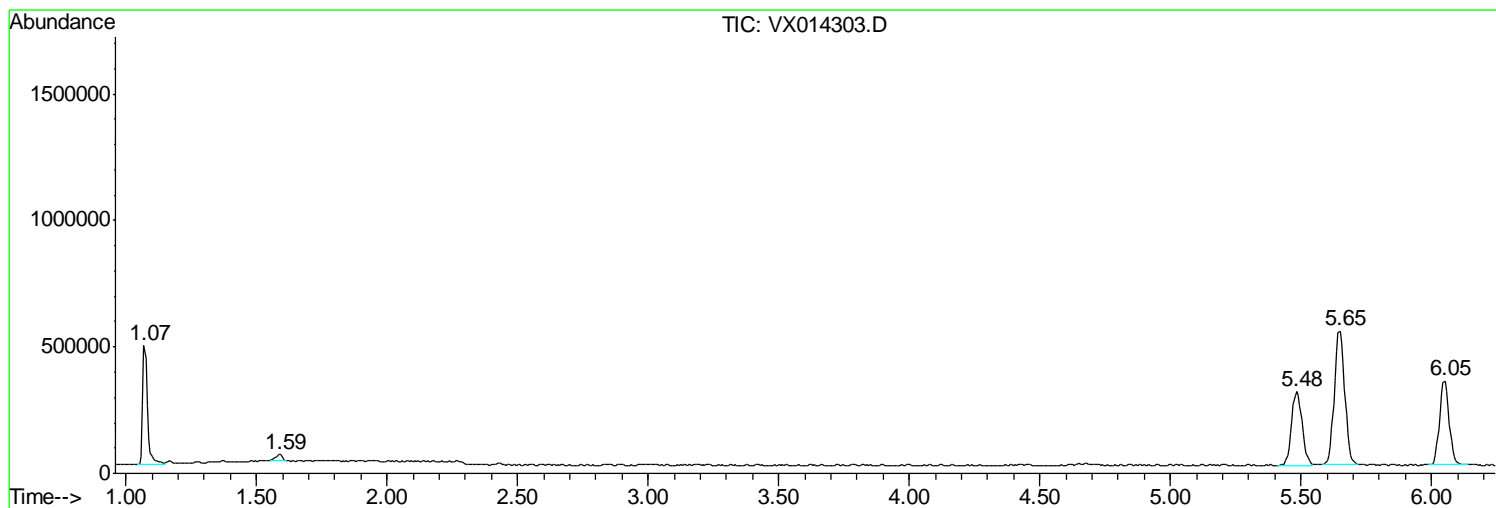
Sum of corrected areas: 14033144

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
Data File : VX014303.D
Acq On : 27 Dec 2019 12:41
Operator : JC/SP
Sample : VX1227WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1227WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
Data File : VX014303.D
Acq On : 27 Dec 2019 12:41
Operator : JC/SP
Sample : VX1227WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014303.D
 Acq On : 27 Dec 2019 12:41
 Operator : JC/SP
 Sample : VX1227WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260

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

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

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



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1224WBS01	SDG No.:	K6405
Lab Sample ID:	VX1224WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014235.D	1		12/24/19 11:09	VX122419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.22	1.00	ug/L
74-87-3	Chloromethane	17.6		0.30	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.16	1.00	ug/L
74-83-9	Bromomethane	15.1		2.10	5.00	ug/L
75-00-3	Chloroethane	18.6		0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.5		0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.0		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.18	1.00	ug/L
67-64-1	Acetone	87.1		0.90	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.8		0.070	1.00	ug/L
79-20-9	Methyl Acetate	19.2		0.65	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.5		0.17	1.00	ug/L
110-82-7	Cyclohexane	18.7		1.20	5.00	ug/L
78-93-3	2-Butanone	92.5		0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.30	1.00	ug/L
74-97-5	Bromochloromethane	21.3		0.31	1.00	ug/L
67-66-3	Chloroform	18.8		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.12	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.17	1.00	ug/L
71-43-2	Benzene	18.9		0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.13	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.14	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.2		0.85	5.00	ug/L
108-88-3	Toluene	18.7		0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.8		0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.16	1.00	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1224WBS01	SDG No.:	K6405
Lab Sample ID:	VX1224WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014235.D	1		12/24/19 11:09	VX122419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.2		0.12	1.00	ug/L
591-78-6	2-Hexanone	93.8		1.40	5.00	ug/L
124-48-1	Dibromochloromethane	19.1		0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.15	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.080	1.00	ug/L
100-41-4	Ethyl Benzene	18.9		0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	37.1		0.20	2.00	ug/L
95-47-6	o-Xylene	18.4		0.13	1.00	ug/L
100-42-5	Styrene	18.6		0.11	1.00	ug/L
75-25-2	Bromoform	17.9		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	19.6		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.7		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.3		0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.3		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.3		0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.5		0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		61 - 141	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		69 - 133	99%	SPK: 50
2037-26-5	Toluene-d8	49.5		65 - 126	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		58 - 135	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	525000	5.65			
540-36-3	1,4-Difluorobenzene	787000	6.84			
3114-55-4	Chlorobenzene-d5	709000	10.1			
3855-82-1	1,4-Dichlorobenzene-d4	349000	12.07			



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1224WBS01	SDG No.:	K6405
Lab Sample ID:	VX1224WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014235.D	1		12/24/19 11:09	VX122419

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014235.D
 Acq On : 24 Dec 2019 11:09
 Operator : JC/SP
 Sample : VX1224WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VX1224WBS01

Manual Integrations
 APPROVED

apatel
 12/26/2019 9:24:21 AM

Quant Time: Dec 25 06:10:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	525210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	786891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	709008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	349083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	284946	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	5.48	113	237472	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	8.71	98	921932	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	11.13	95	328151	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	81215	17.285	ug/l 98
3) Chloromethane	1.32	50	111162	17.629	ug/l 98
4) Vinyl Chloride	1.40	62	116539	17.515	ug/l 99
5) Bromomethane	1.63	94	71297	15.097	ug/l 99
6) Chloroethane	1.72	64	76304	18.581	ug/l 93
7) Trichlorofluoromethane	1.92	101	152453	18.509	ug/l 97
8) Diethyl Ether	2.18	74	70567	18.255	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	94377	19.008	ug/l 99
10) Methyl Iodide	2.50	142	98567	16.886	ug/l 99
11) Tert butyl alcohol	3.02	59	111495	86.685	ug/l 99
12) 1,1-Dichloroethene	2.36	96	91492	18.109	ug/l 99
13) Acrolein	2.28	56	66581	90.431	ug/l 97
14) Allyl chloride	2.72	41	164916	18.282	ug/l 99
15) Acrylonitrile	3.12	53	289672	96.490	ug/l 98
16) Acetone	2.43	43	336447	87.062	ug/l 99
17) Carbon Disulfide	2.56	76	229277	16.852	ug/l 99
18) Methyl Acetate	2.76	43	147237	19.228	ug/l 96
19) Methyl tert-butyl Ether	3.18	73	312139	18.802	ug/l 96
20) Methylene Chloride	2.84	84	113086	18.583	ug/l 97
21) trans-1,2-Dichloroethene	3.15	96	102677	18.447	ug/l 99
22) Diisopropyl ether	3.84	45	344894	19.187	ug/l 99
23) Vinyl Acetate	3.80	43	1403080	95.648	ug/l 100
24) 1,1-Dichloroethane	3.69	63	185495	18.548	ug/l 100
25) 2-Butanone	4.65	43	440906	92.541	ug/l 97
26) 2,2-Dichloropropane	4.57	77	141814	18.264	ug/l 99
27) cis-1,2-Dichloroethene	4.58	96	115776	18.392	ug/l 98
28) Bromochloromethane	5.00	49	81075	21.342	ug/l 96
29) Tetrahydrofuran	5.11	42	251284	94.295	ug/l 99
30) Chloroform	5.20	83	177909	18.765	ug/l 99
31) Cyclohexane	5.56	56	166017	18.664	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	146215	18.096	ug/l 99
36) 1,1-Dichloropropene	5.79	75	133736	18.523	ug/l 99
37) Ethyl Acetate	4.81	43	151529	19.005	ug/l 99
38) Carbon Tetrachloride	5.77	117	126920	19.296	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014235.D
 Acq On : 24 Dec 2019 11:09
 Operator : JC/SP
 Sample : VX1224WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX1224WBS01

Manual Integrations
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 12/26/2019 9:24:21 AM

Quant Time: Dec 25 06:10:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	169548	19.018	ug/l	97
40) Benzene	6.13	78	418929	18.857	ug/l	98
41) Methacrylonitrile	5.02	41	82249	18.592	ug/l	100
42) 1,2-Dichloroethane	6.18	62	144515	19.190	ug/l	98
43) Isopropyl Acetate	6.43	43	245629	18.615	ug/l	100
44) Trichloroethene	7.20	130	112185	18.283	ug/l	99
45) 1,2-Dichloropropane	7.51	63	109598	19.248	ug/l	100
46) Dibromomethane	7.65	93	70114	18.624	ug/l	99
47) Bromodichloromethane	7.89	83	134727	19.002	ug/l	98
48) Methyl methacrylate	7.76	41	120483	18.647	ug/l	99
49) 1,4-Dioxane	7.73	88	50109	381.090	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	788743	95.181	ug/l	99
52) Toluene	8.78	92	262142	18.669	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	145852	18.761	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	165666	19.127	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	108141	19.215	ug/l	99
56) Ethyl methacrylate	9.17	69	165986	18.776	ug/l	99
57) 1,3-Dichloropropane	9.36	76	182272	19.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	333050	99.551	ug/l	99
59) 2-Hexanone	9.48	43	625992	93.840	ug/l	99
60) Dibromochloromethane	9.57	129	106882	19.106	ug/l	99
61) 1,2-Dibromoethane	9.67	107	112962	19.618	ug/l	99
64) Tetrachloroethene	9.33	164	127127	20.263	ug/l	94
65) Chlorobenzene	10.14	112	285252	18.922	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	103207	19.174	ug/l	98
67) Ethyl Benzene	10.25	91	490659	18.931	ug/l	100
68) m/p-Xylenes	10.35	106	370048	37.122	ug/l	97
69) o-Xylene	10.70	106	179860	18.397	ug/l	98
70) Styrene	10.71	104	307672	18.611	ug/l	100
71) Bromoform	10.85	173	77518	17.916	ug/l #	100
73) Isopropylbenzene	11.01	105	482802	19.644	ug/l	99
74) N-amyl acetate	10.89	43	210744	18.293	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	159424	18.709	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	133374m	17.599	ug/l	
77) Bromobenzene	11.25	156	124482	18.408	ug/l	98
78) n-propylbenzene	11.35	91	545698	19.794	ug/l	100
79) 2-Chlorotoluene	11.42	91	320917	19.150	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	402700	19.468	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	47972	17.867	ug/l	94
82) 4-Chlorotoluene	11.51	91	370320	19.050	ug/l	99
83) tert-Butylbenzene	11.76	119	376556	18.706	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	400017	19.311	ug/l	100
85) sec-Butylbenzene	11.94	105	470842	19.813	ug/l	99
86) p-Isopropyltoluene	12.06	119	423450	19.480	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	217343	18.339	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	220243	18.276	ug/l	99
89) n-Butylbenzene	12.38	91	361613	19.496	ug/l	99
90) Hexachloroethane	12.59	117	71965	18.431	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	218566	18.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32622	17.300	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014235.D
 Acq On : 24 Dec 2019 11:09
 Operator : JC/SP
 Sample : VX1224WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224WBS01

Manual Integrations
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Quant Time: Dec 25 06:10:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	143499	18.505	ug/l	98
94) Hexachlorobutadiene	13.77	225	72712	19.511	ug/l	97
95) Naphthalene	13.83	128	423778	18.601	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	143098	18.694	ug/l	97

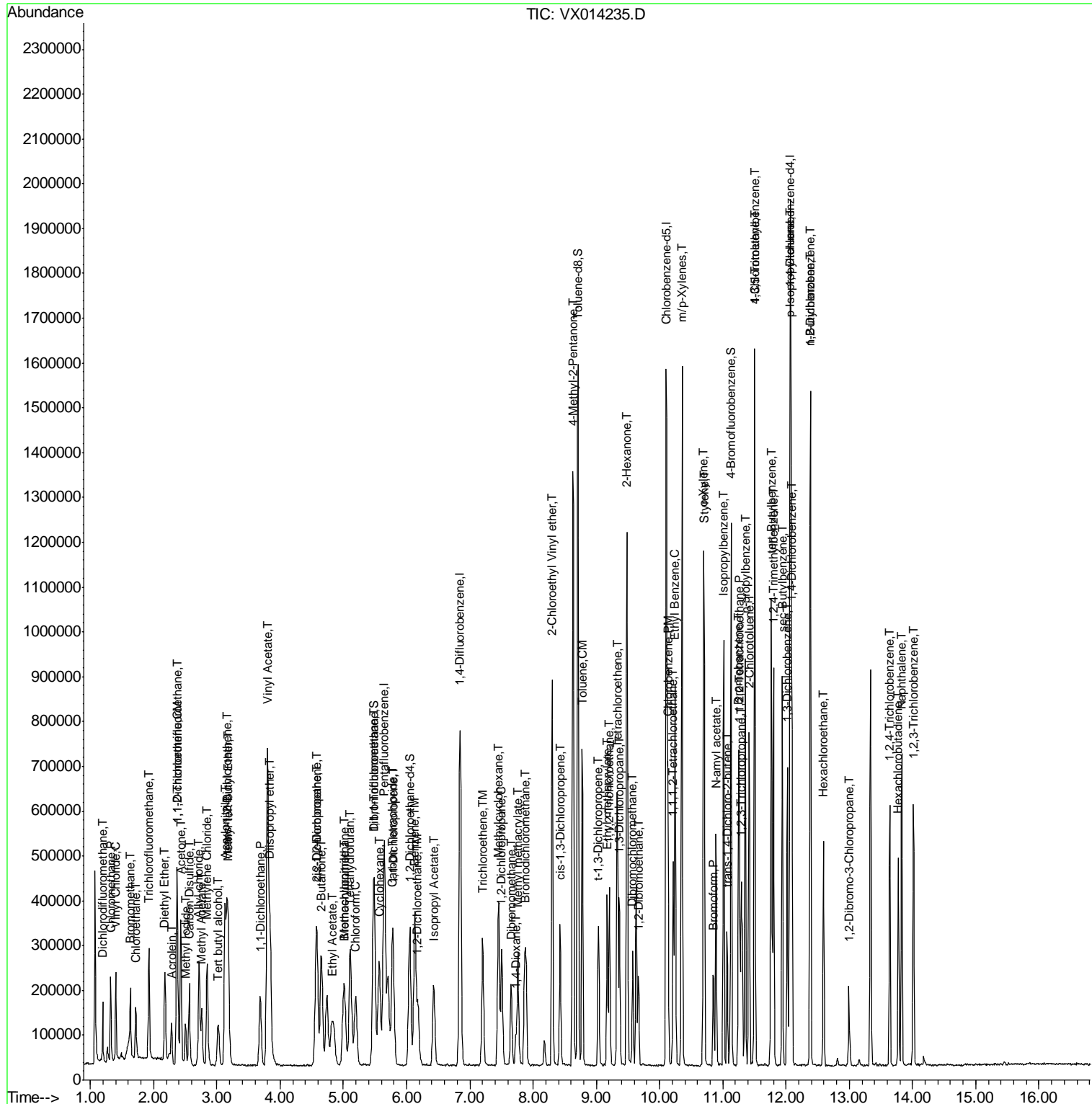
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014235.D
 Acq On : 24 Dec 2019 11:09
 Operator : JC/SP
 Sample : VX1224WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

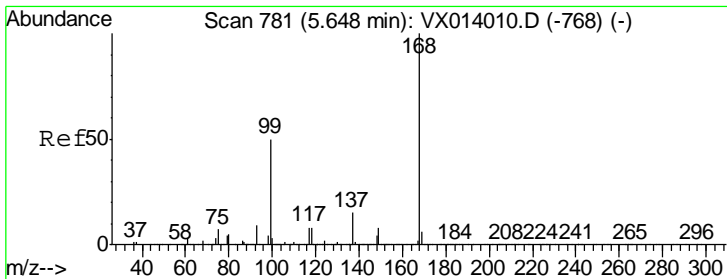
Instrument :
 MSVOA_X
 Client Sampled :
 VX1224WBS01

Manual Integrations
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Quant Time: Dec 25 06:10:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration



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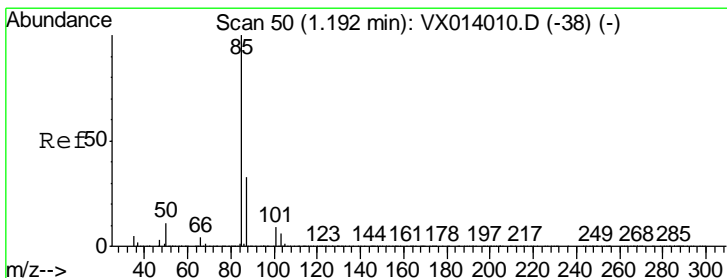
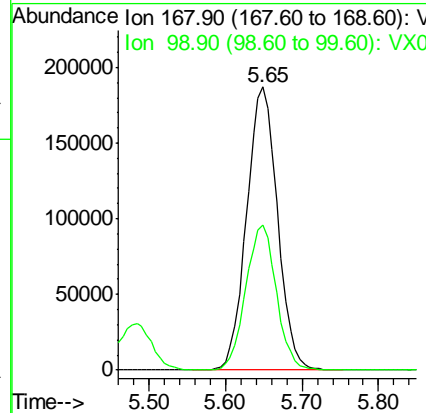
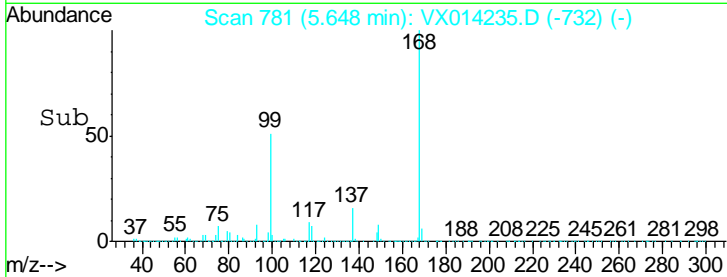
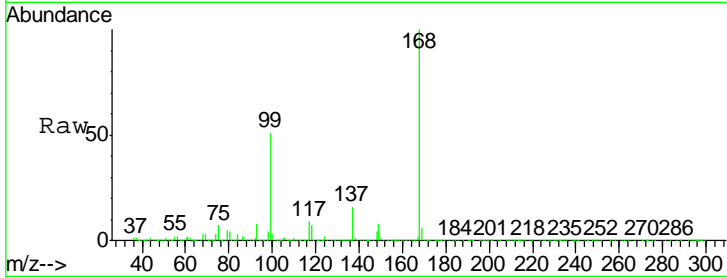


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
168	100		
99	51.0	40.3	60.5

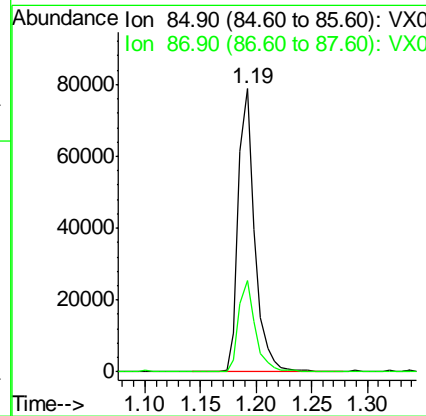
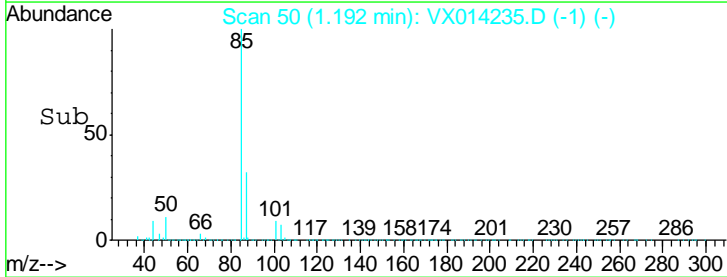
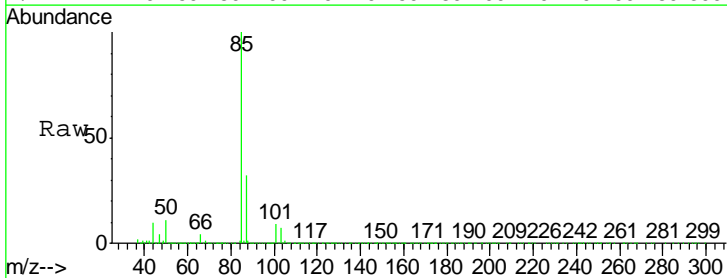
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

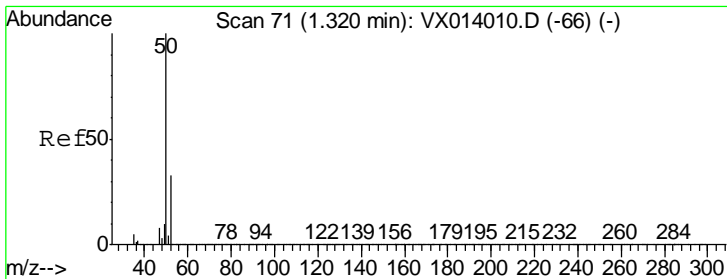
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 12/26/2019 9:24:21 AM



#2
 Dichlorodifluoromethane
 Concen: 17.285 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.9	16.4	49.2



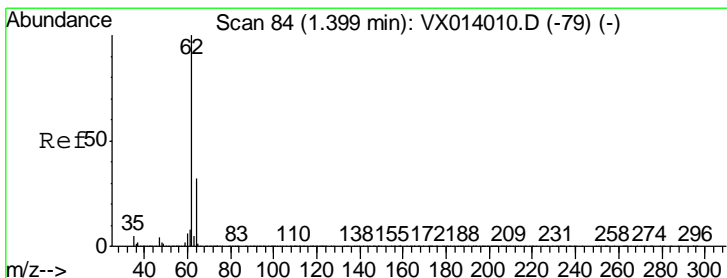
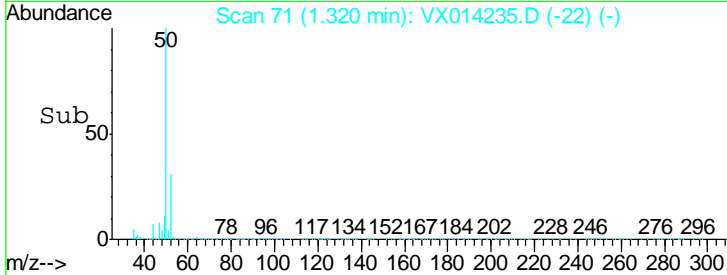
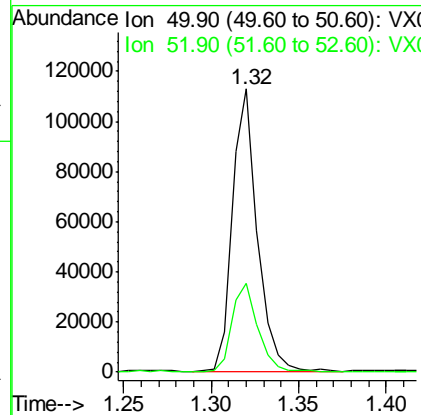
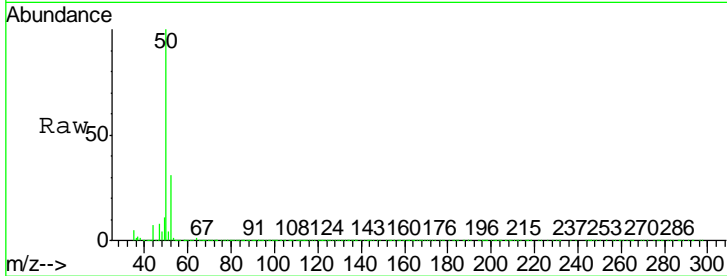


#3
 Chloromethane
 Concen: 17.629 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
50	111162		
52	31.4	26.2	39.4

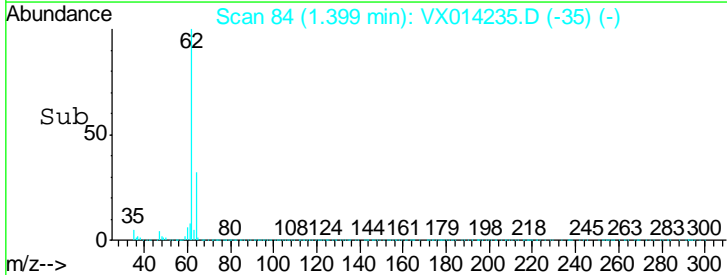
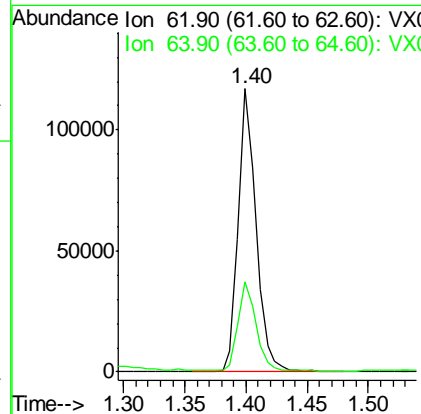
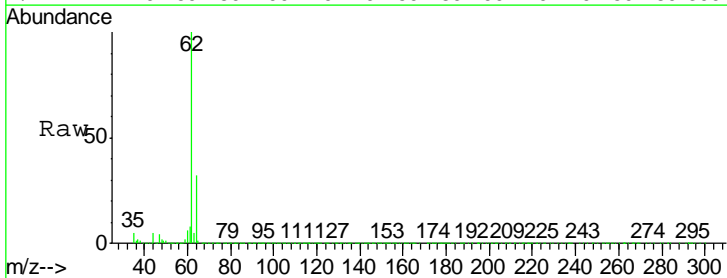
Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

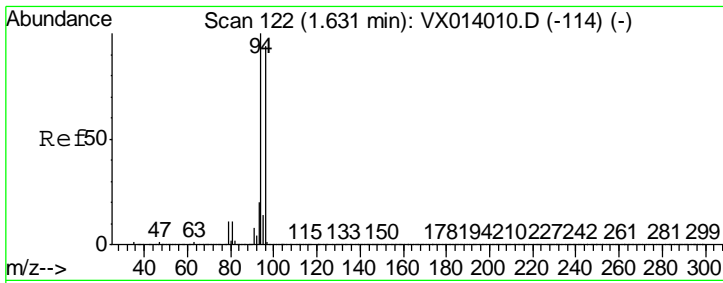
Manual Integrations APPROVED
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#4
 Vinyl Chloride
 Concen: 17.515 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
62	116539		
64	31.7	25.7	38.5



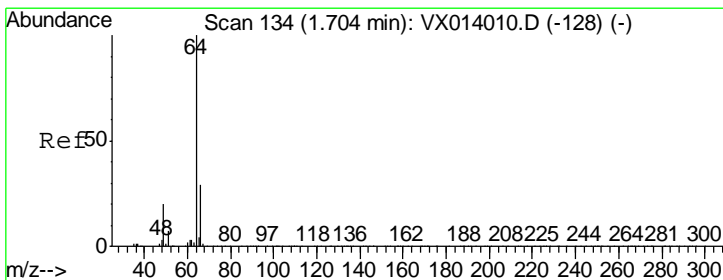
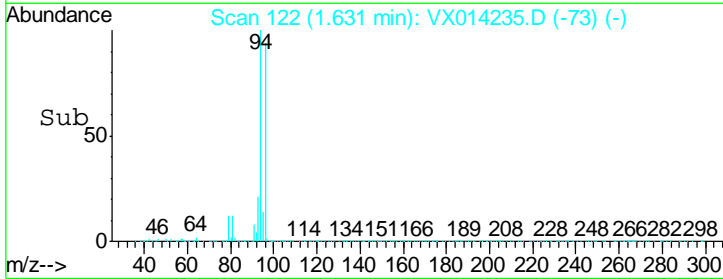
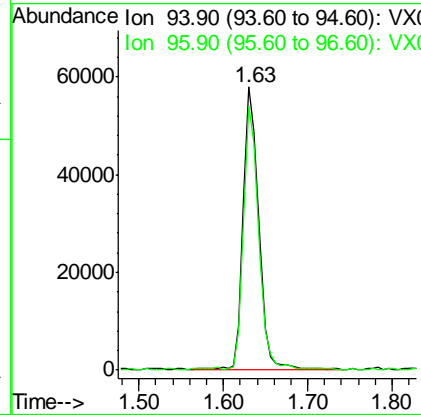
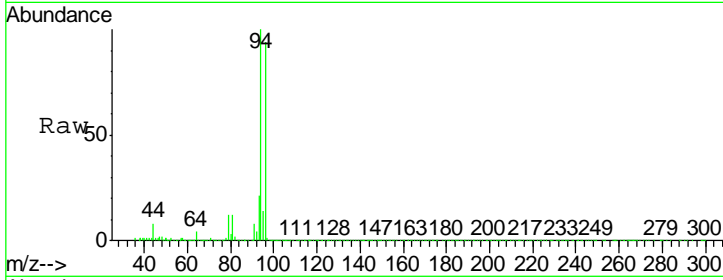


#5
 Bromomethane
 Concen: 15.097 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
94	71297		
94	100		
96	93.4	75.2	112.8

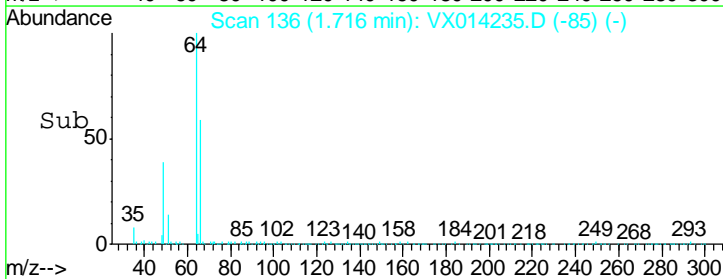
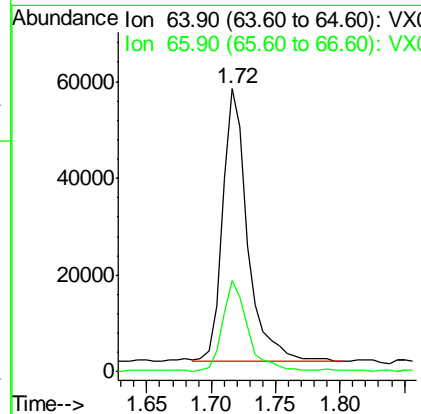
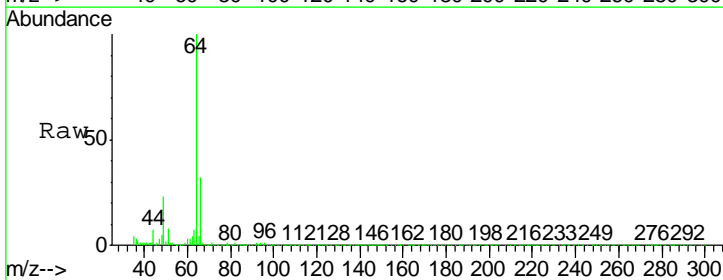
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

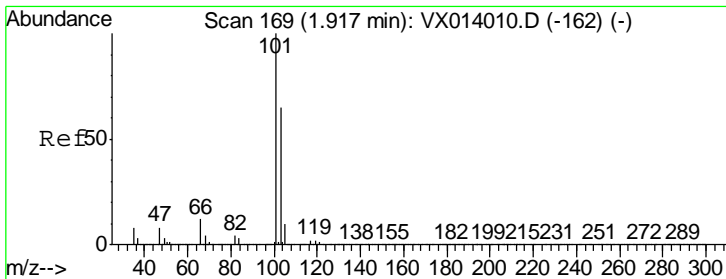
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#6
 Chloroethane
 Concen: 18.581 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
64	76304		
64	100		
66	33.1	23.4	35.2



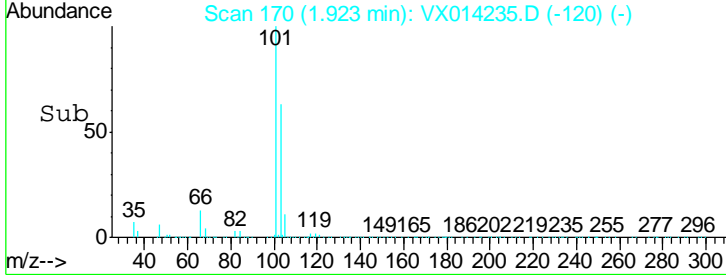
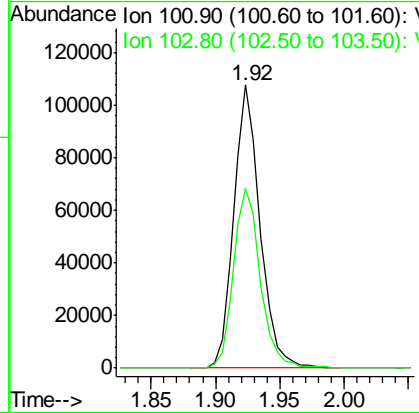
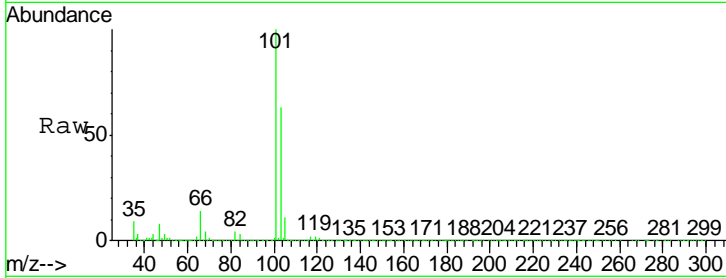


#7
 Trichlorofluoromethane
 Concen: 18.509 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

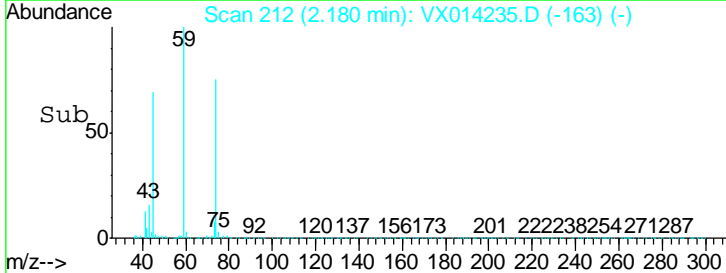
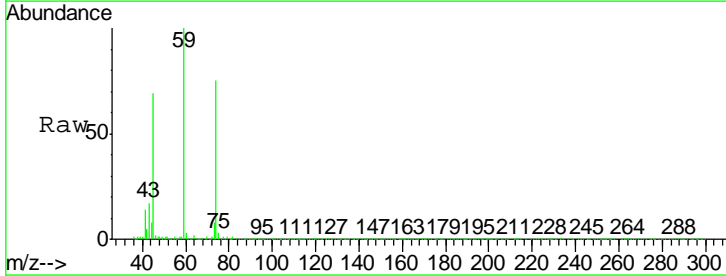
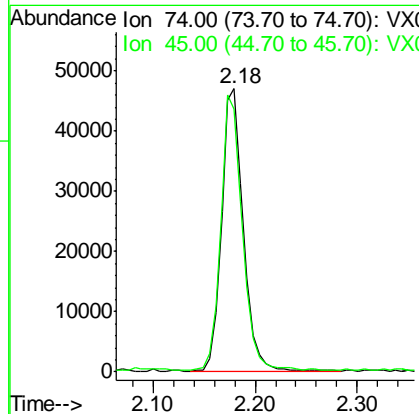
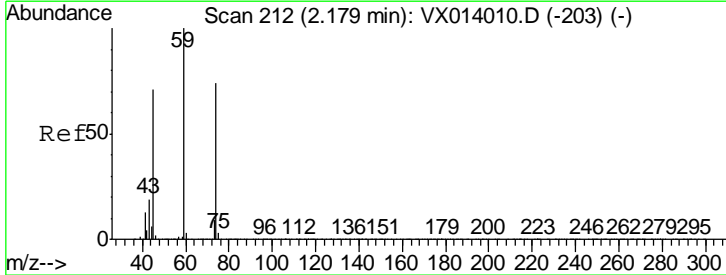
Tgt Ion	Resp	Lower	Upper
101	152453		
101	100		
103	63.3	52.2	78.4

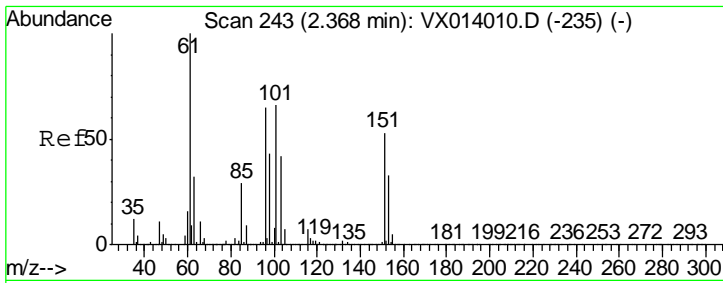
Manual Integrations
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 apatel
 12/26/2019 9:24:21 AM



#8
 Diethyl Ether
 Concen: 18.255 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
74	70567		
74	100		
45	95.0	48.1	144.3





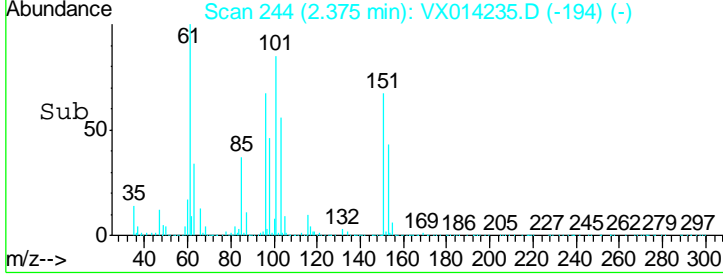
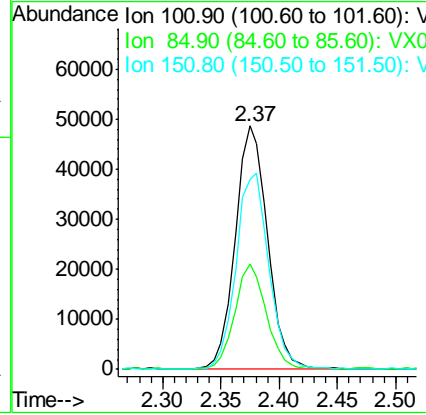
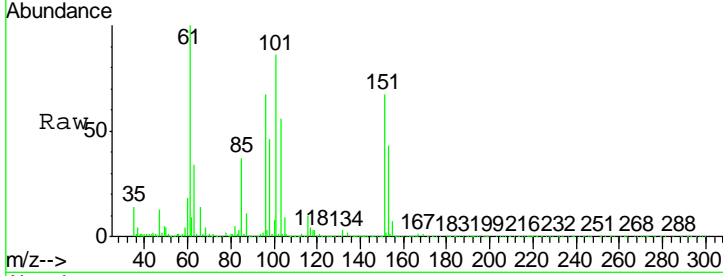
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.008 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

Tgt Ion	Resp	Lower	Upper
101	94377		
101	100		
85	42.7	33.7	50.5
151	82.2	64.5	96.7

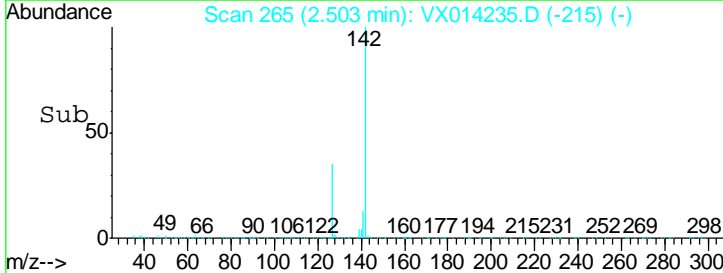
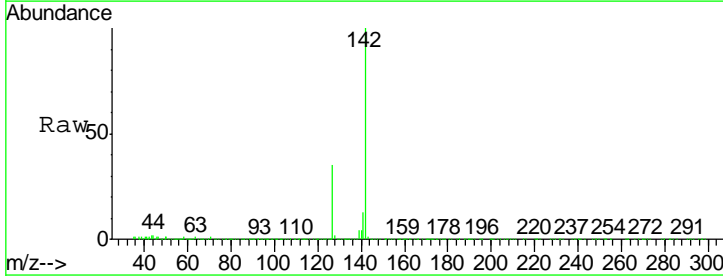
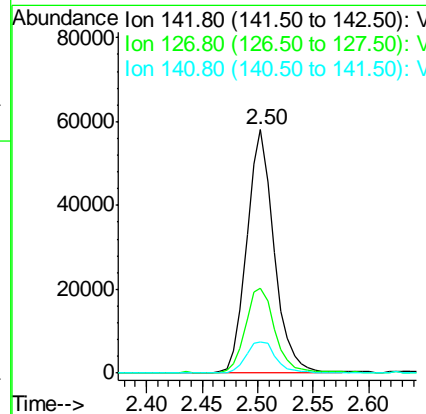
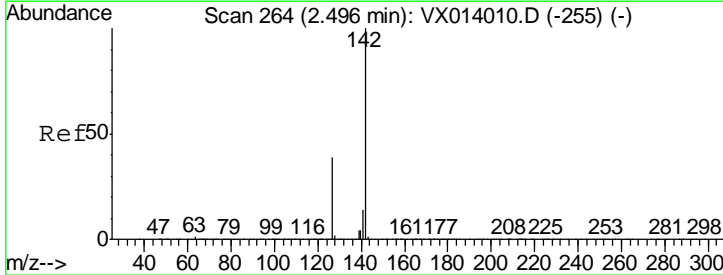
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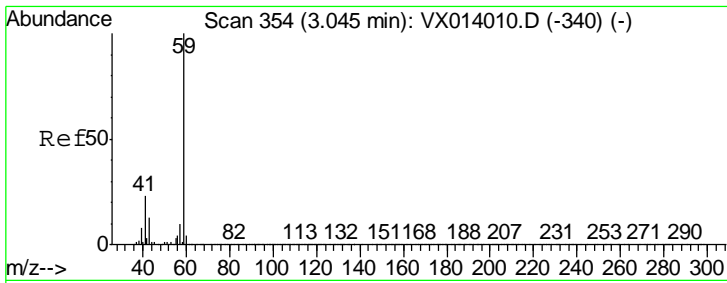
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#10
 Methyl Iodide
 Concen: 16.886 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
142	98567		
142	100		
127	38.5	31.6	47.4
141	14.1	11.6	17.4



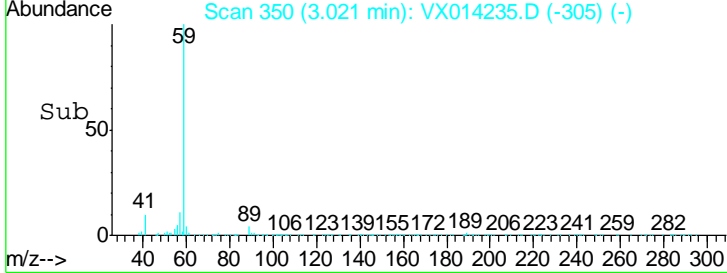
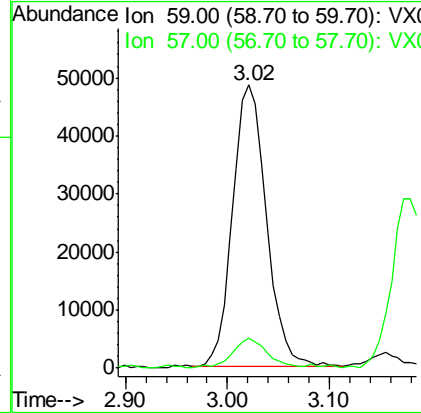
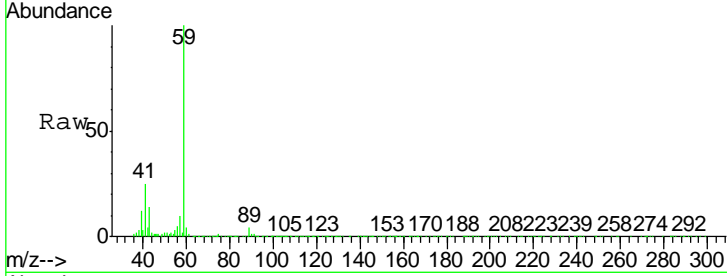


#11
 Tert butyl alcohol
 Concen: 86.685 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.3	8.4	12.6

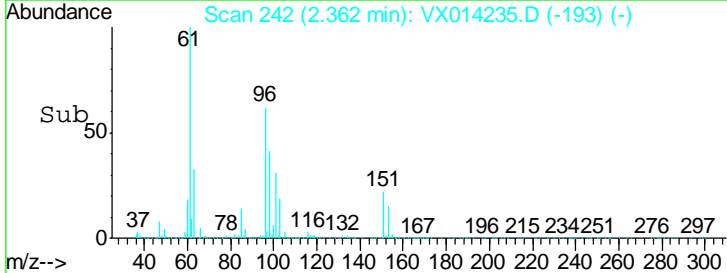
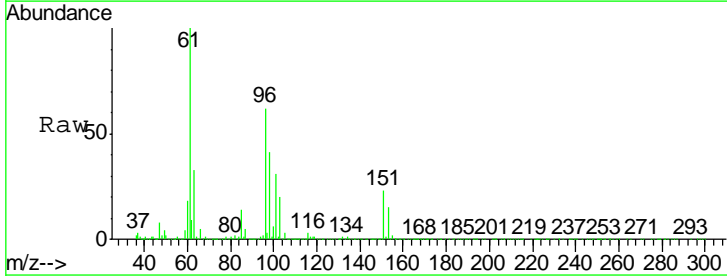
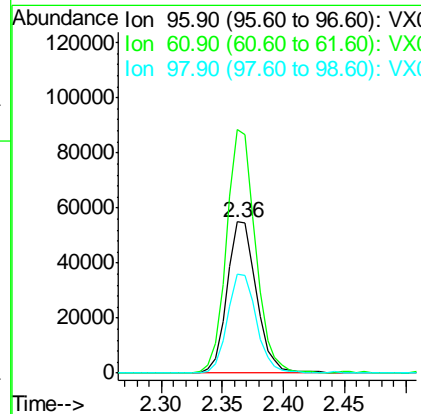
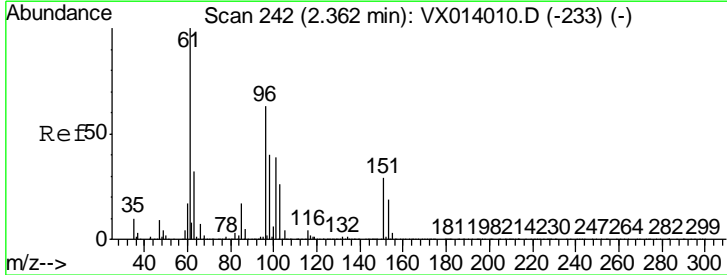
Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

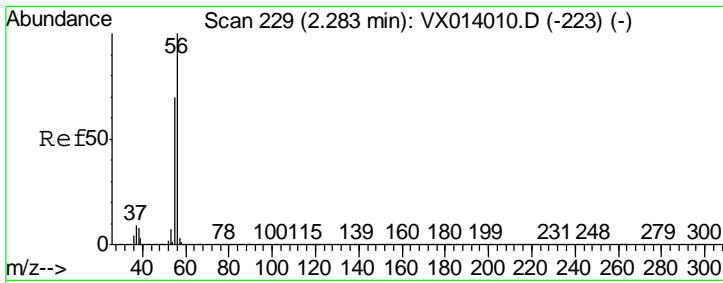
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#12
 1,1-Dichloroethene
 Concen: 18.109 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

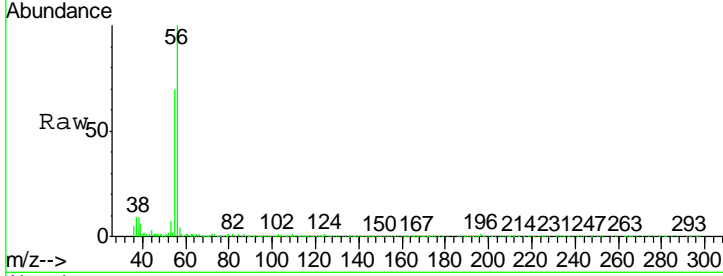
Tgt Ion	Resp	Lower	Upper
96	100		
61	160.8	127.9	191.9
98	65.5	50.5	75.7





#13
 Acrolein
 Concen: 90.431 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

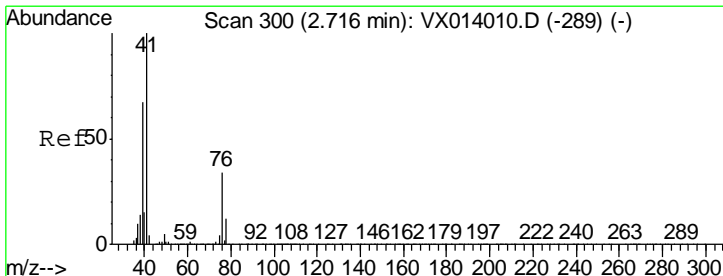
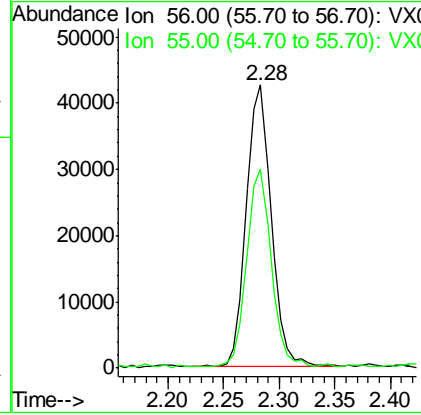
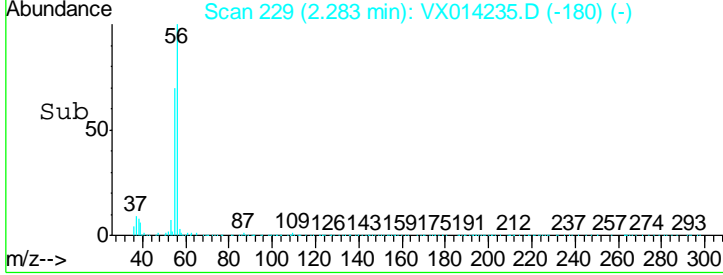
Instrument :
 MSVOA_X
 ClientSampled :
 VX1224WBS01



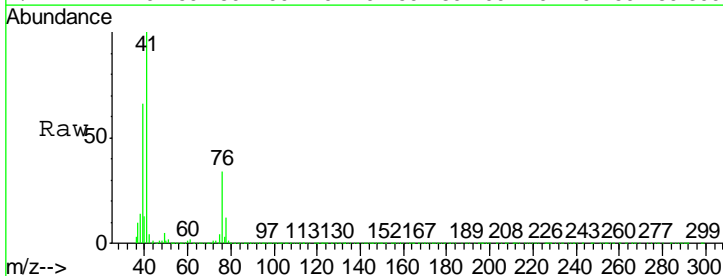
Tgt Ion: 56 Resp: 66581

Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.9	85.3

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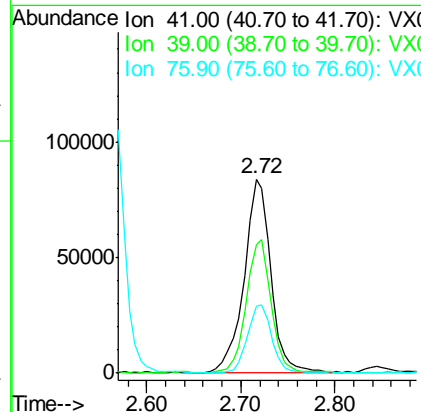
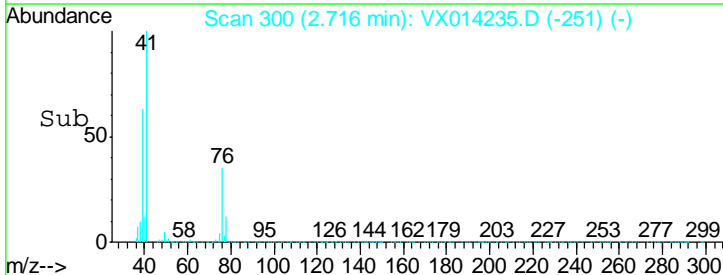


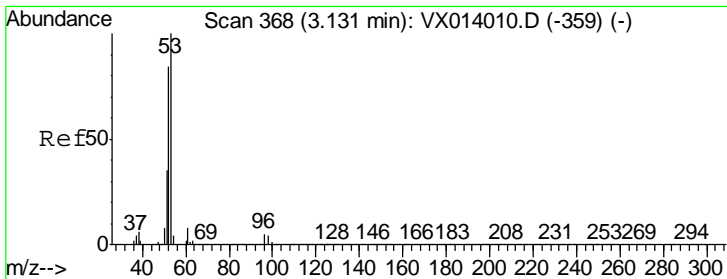
#14
 Allyl chloride
 Concen: 18.282 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09



Tgt Ion: 41 Resp: 164916

Ion	Ratio	Lower	Upper
41	100		
39	64.0	51.8	77.8
76	31.8	25.9	38.9



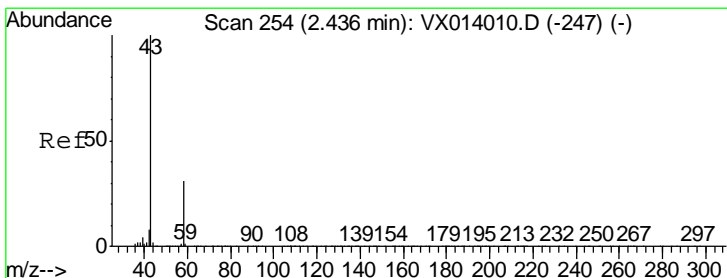
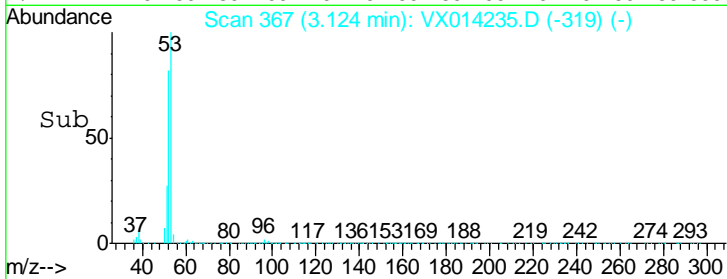
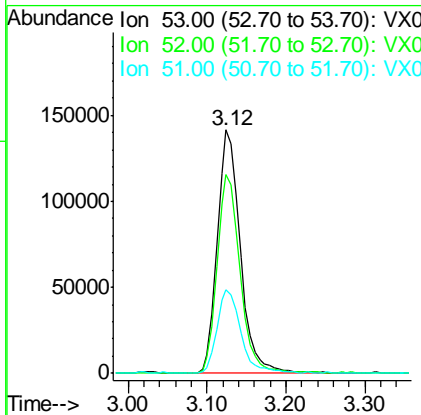
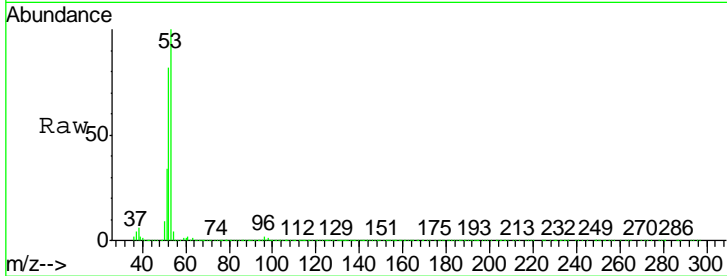


#15
 Acrylonitrile
 Concen: 96.490 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
53	100		
52	80.8	66.5	99.7
51	35.1	28.1	42.1

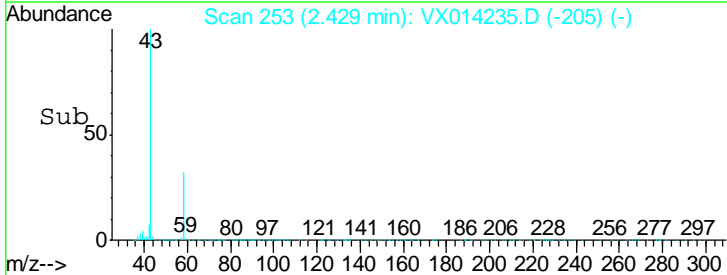
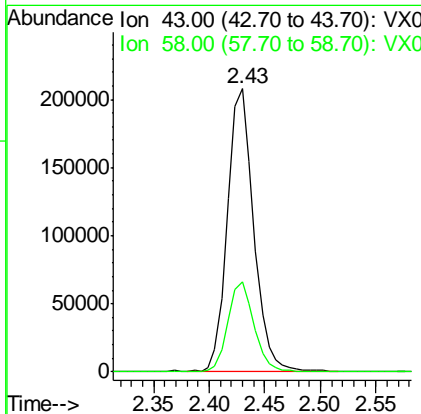
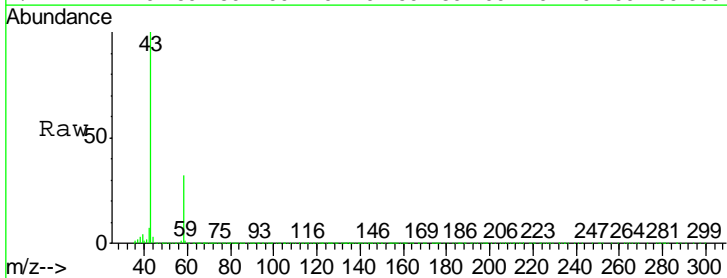
Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

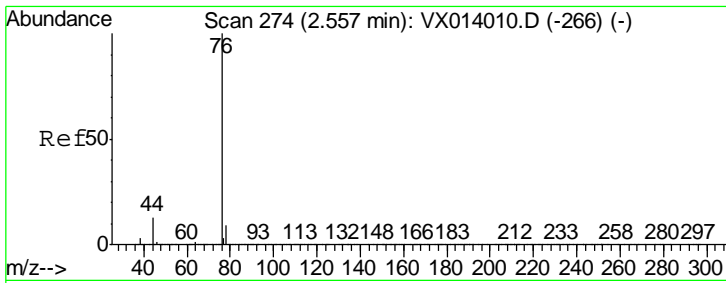
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#16
 Acetone
 Concen: 87.062 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.7	24.9	37.3



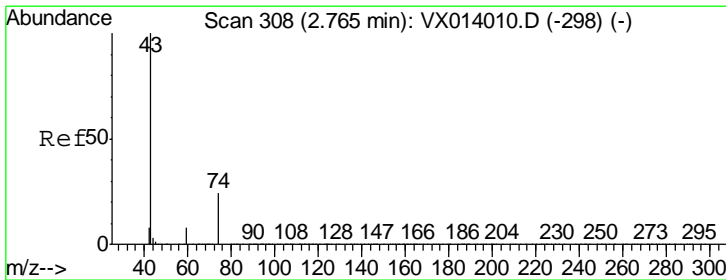
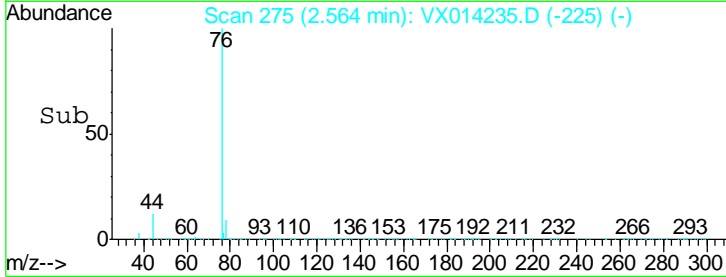
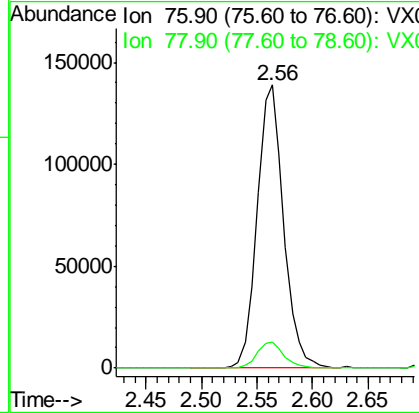
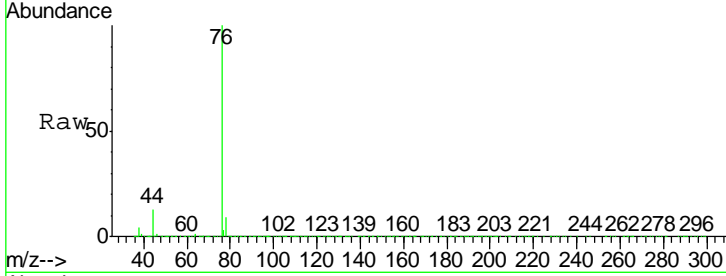


#17
 Carbon Disulfide
 Concen: 16.852 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.2	7.2	10.8

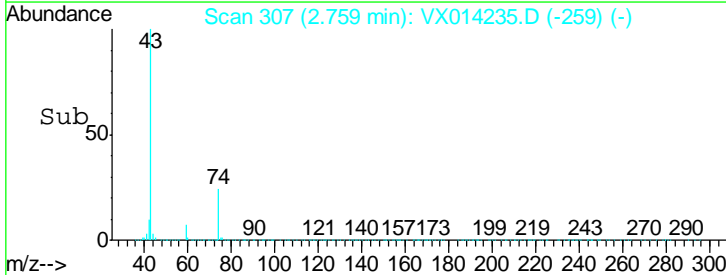
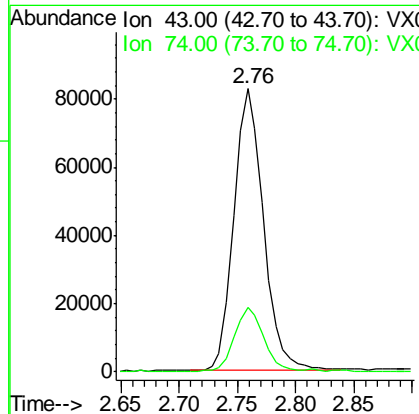
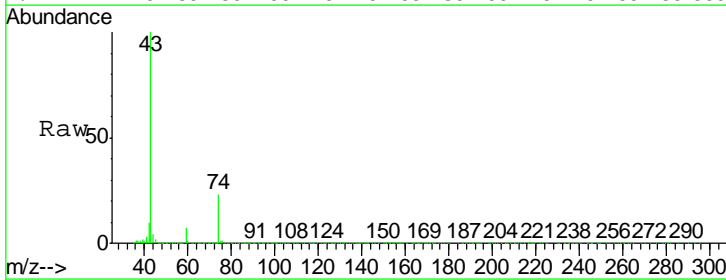
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

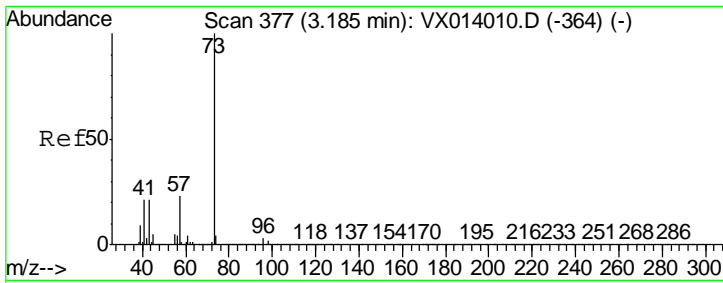
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#18
 Methyl Acetate
 Concen: 19.228 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.3	19.5	29.3



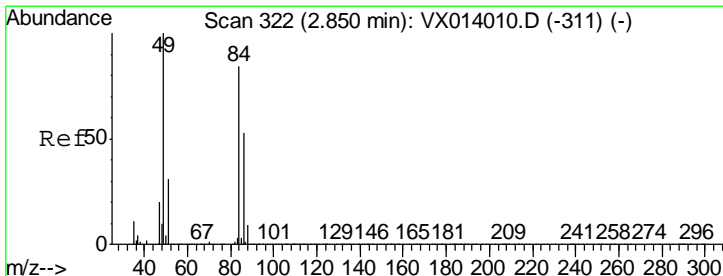
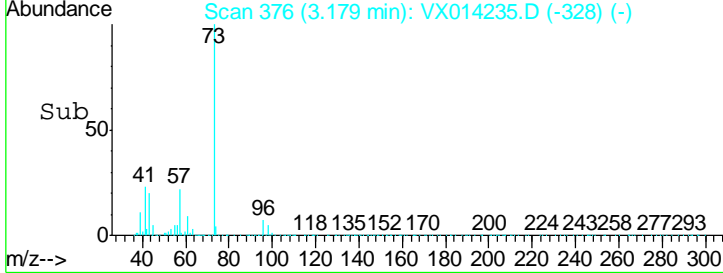
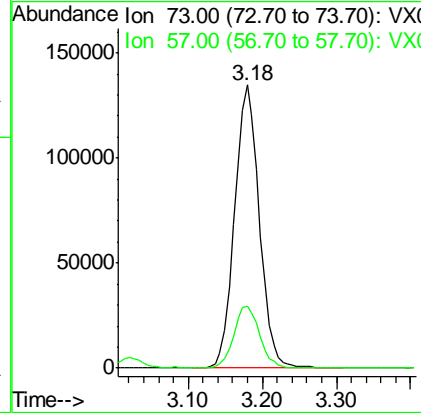
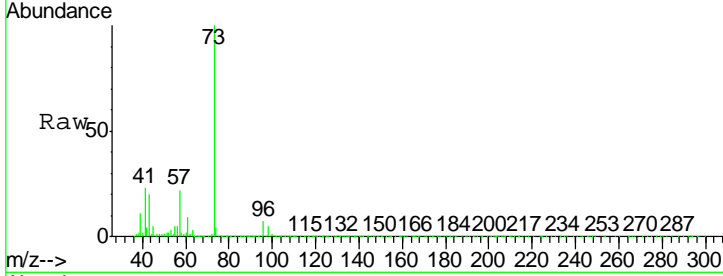


#19
 Methyl tert-butyl Ether
 Concen: 18.802 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
73	312139		
73	100		
57	21.6	18.8	28.2

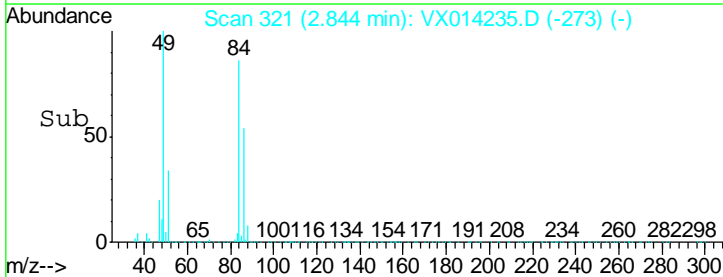
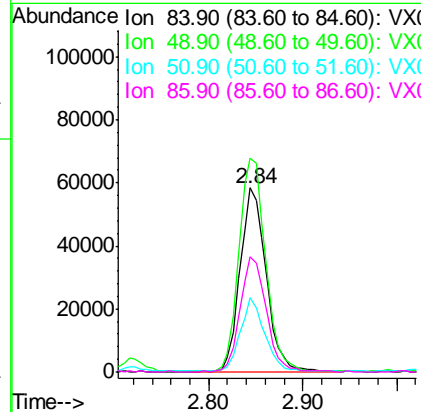
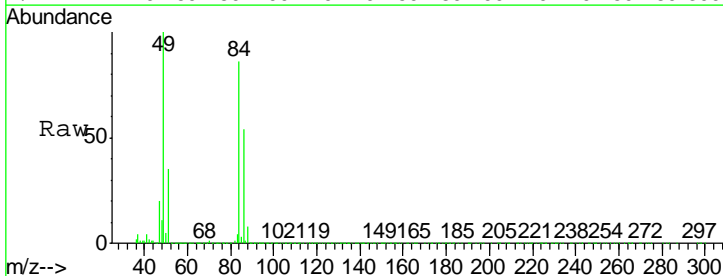
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

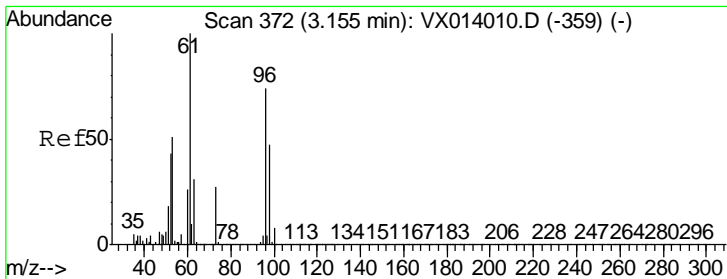
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#20
 Methylene Chloride
 Concen: 18.583 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

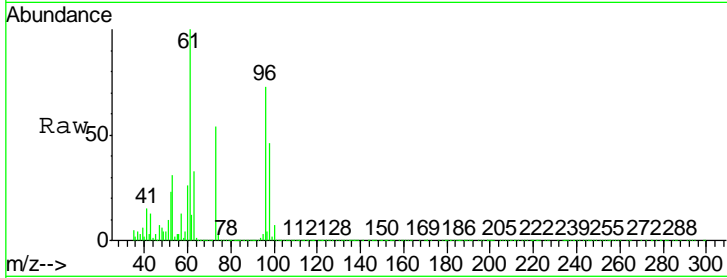
Tgt Ion	Resp	Lower	Upper
84	113086		
84	100		
49	115.7	95.8	143.6
51	39.8	29.8	44.8
86	62.6	50.8	76.2





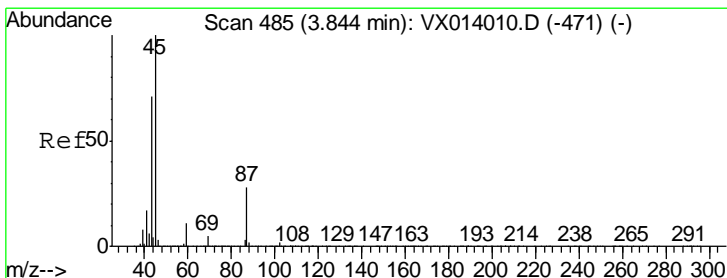
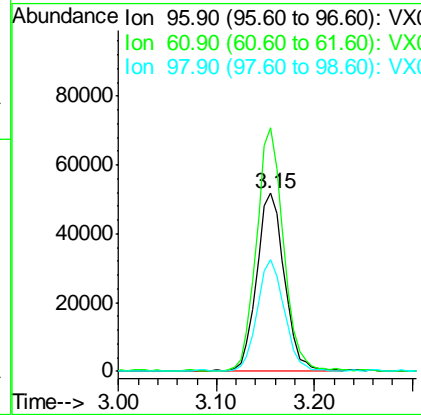
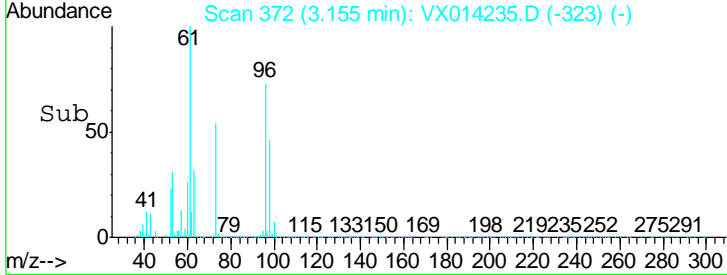
#21
 trans-1,2-Dichloroethene
 Concen: 18.447 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

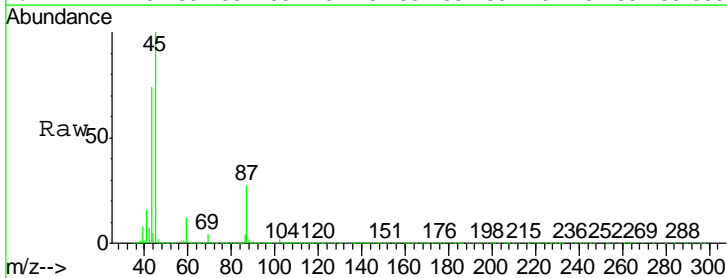


Tgt Ion	Resp	Lower	Upper
96	102677		
61	136.2	108.3	162.5
98	62.5	50.8	76.2

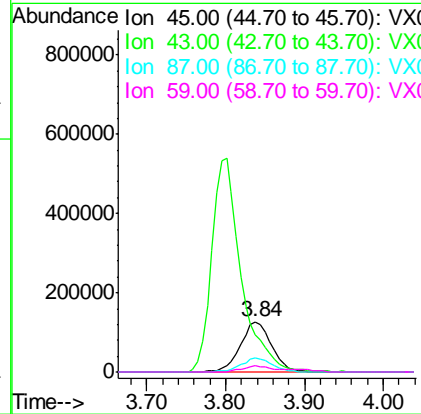
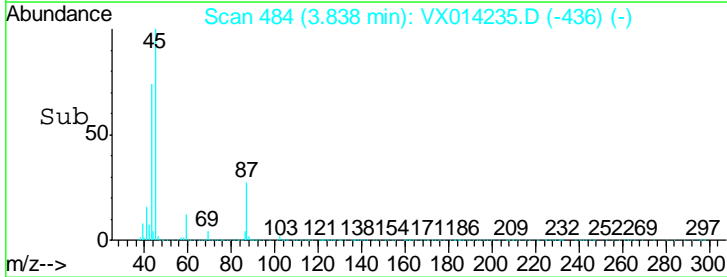
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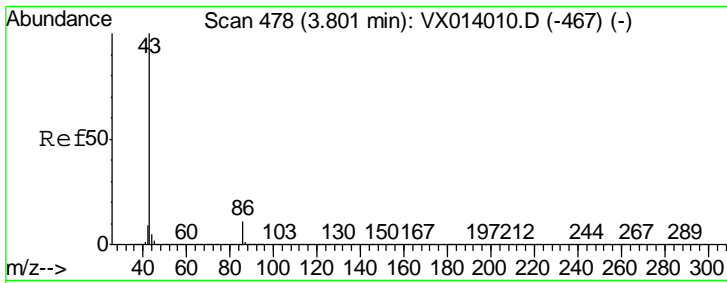


#22
 Diisopropyl ether
 Concen: 19.187 ug/l
 RT: 3.84 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09



Tgt Ion	Resp	Lower	Upper
45	344894		
43	72.9	57.4	86.0
87	26.8	21.9	32.9
59	11.7	9.0	13.6





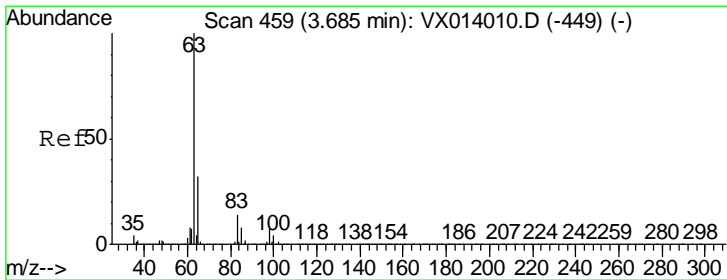
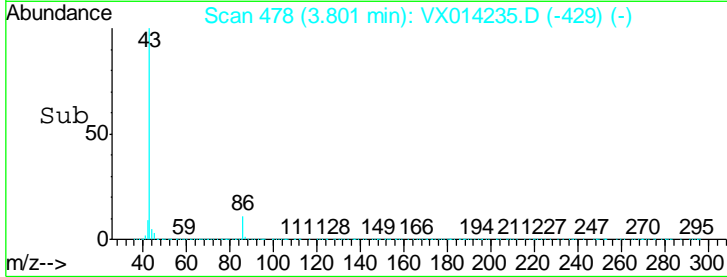
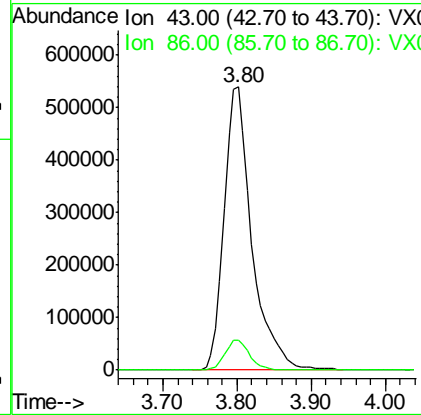
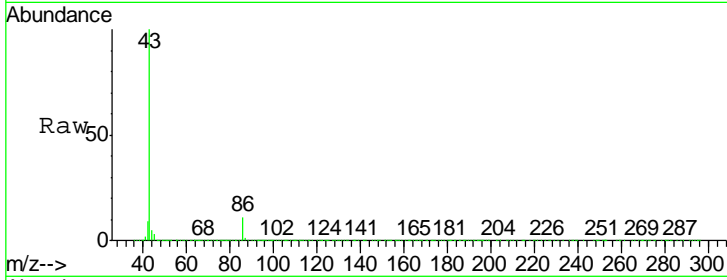
#23
 Vinyl Acetate
 Concen: 95.648 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion: 43 Resp: 1403080

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

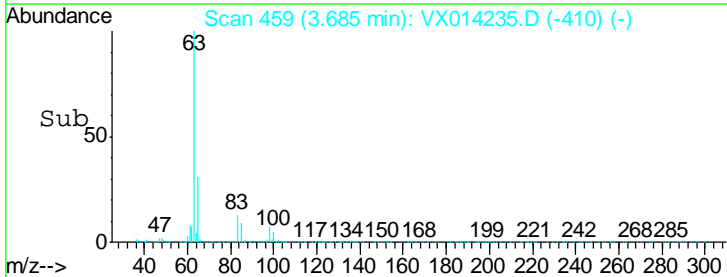
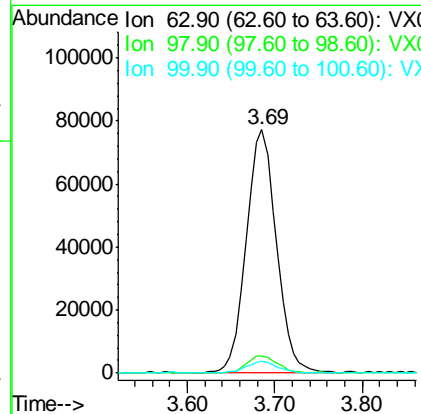
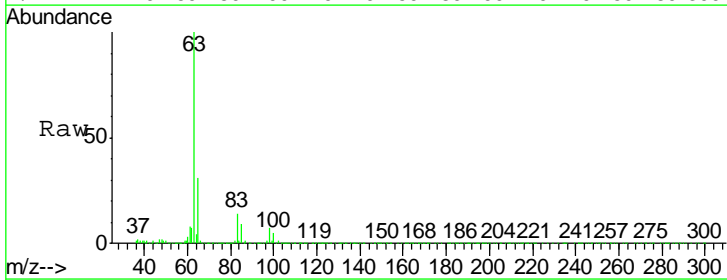
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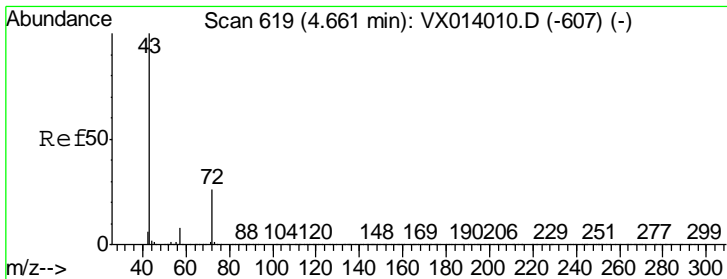


#24
 1,1-Dichloroethane
 Concen: 18.548 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion: 63 Resp: 185495

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.8
100	4.6	2.3	6.8



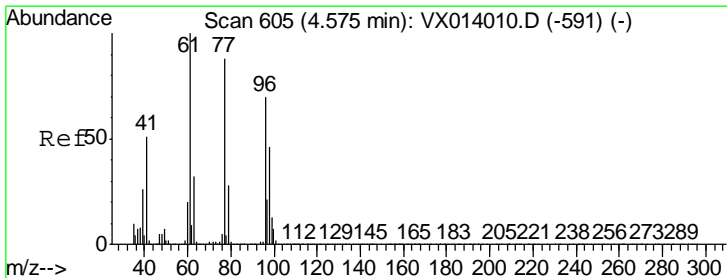
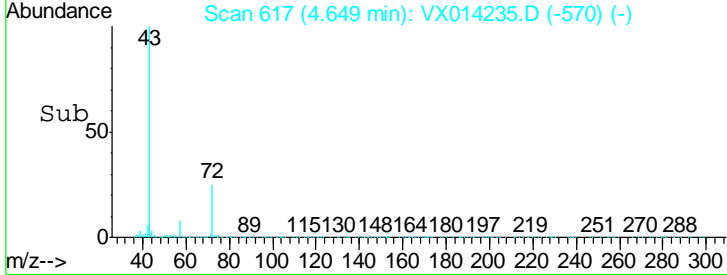
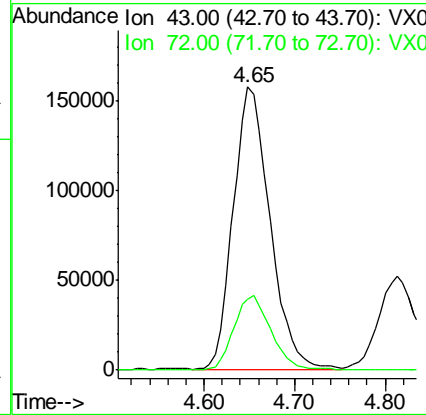
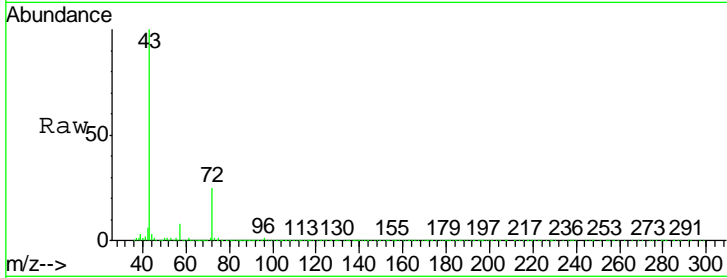


#25
 2-Butanone
 Concen: 92.541 ug/l
 RT: 4.65 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.0	31.4

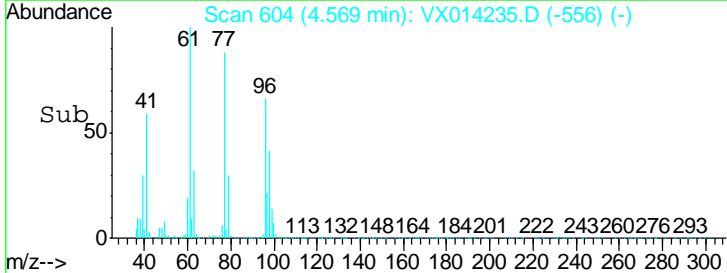
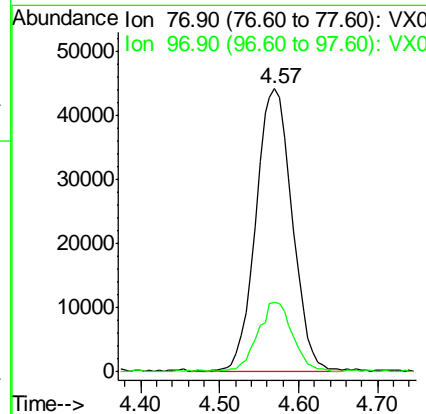
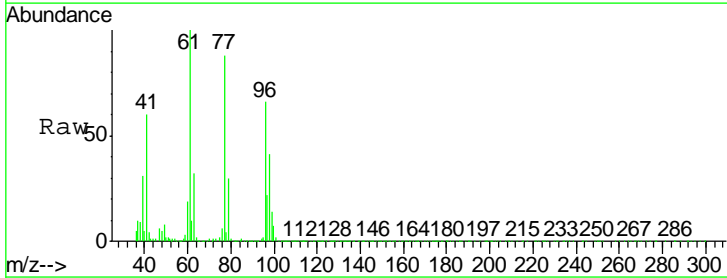
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

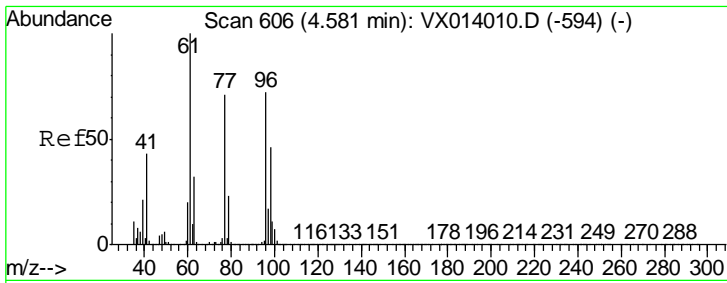
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#26
 2,2-Dichloropropane
 Concen: 18.264 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.9	35.9



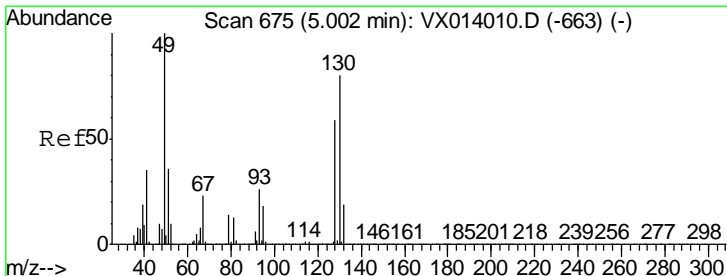
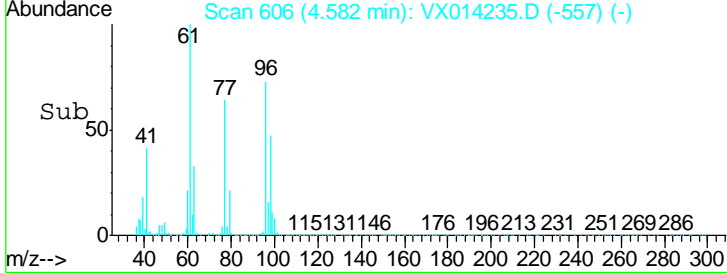
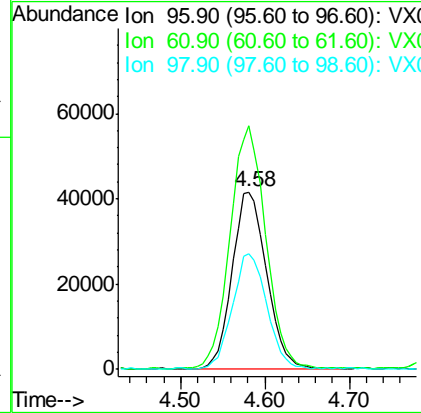
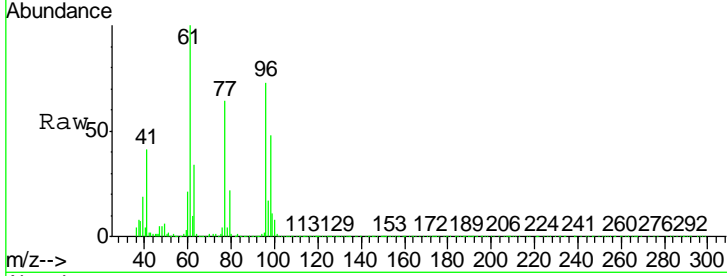


#27
 cis-1,2-Dichloroethene
 Concen: 18.392 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

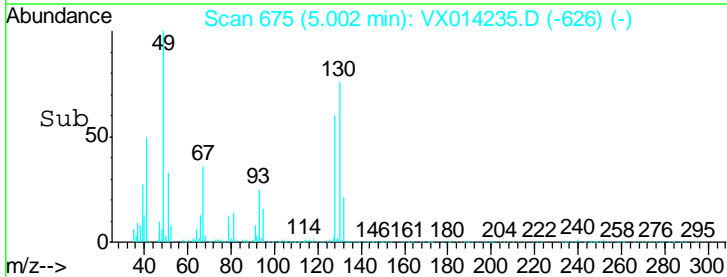
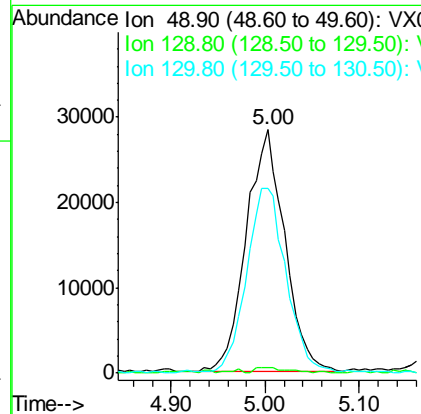
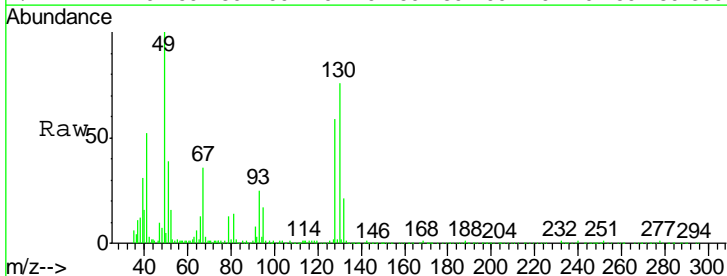
Tgt Ion	Resp	Lower	Upper
96	115776		
96	100		
61	141.2	0.0	288.4
98	64.0	0.0	129.6

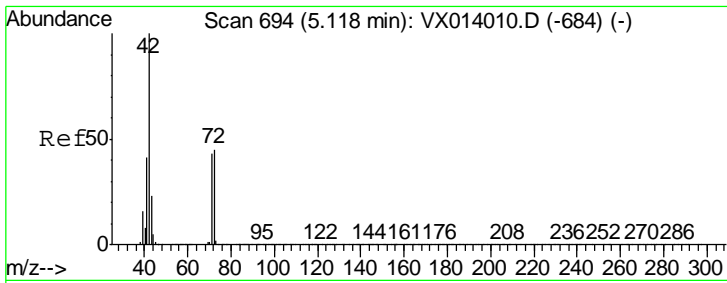
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#28
 Bromochloromethane
 Concen: 21.342 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
49	81075		
49	100		
129	2.0	0.0	5.0
130	77.2	64.6	97.0



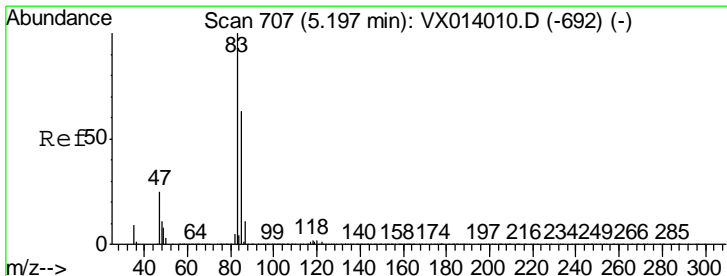
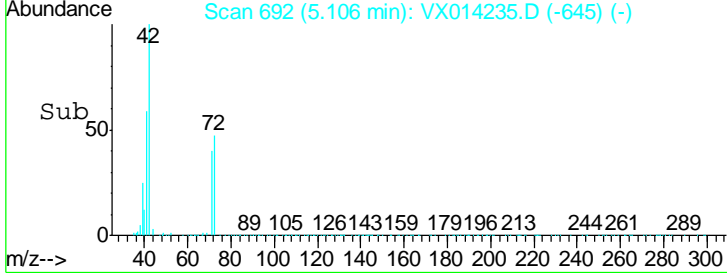
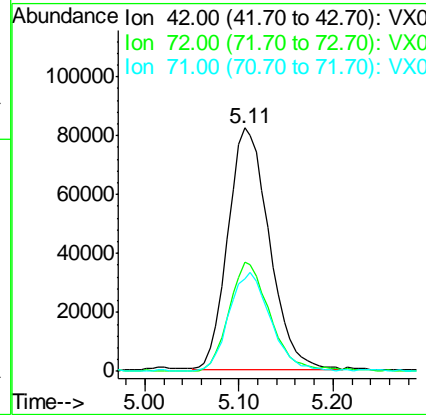
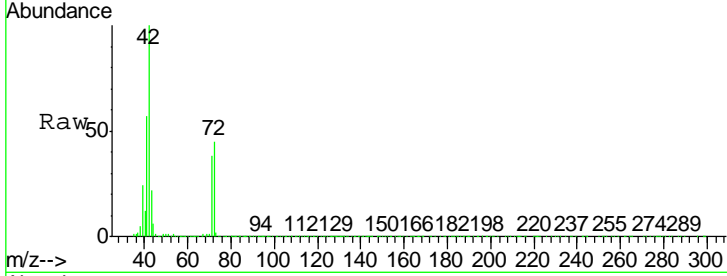


#29
 Tetrahydrofuran
 Concen: 94.295 ug/l
 RT: 5.11 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.4	35.8	53.8
71	41.0	33.6	50.4

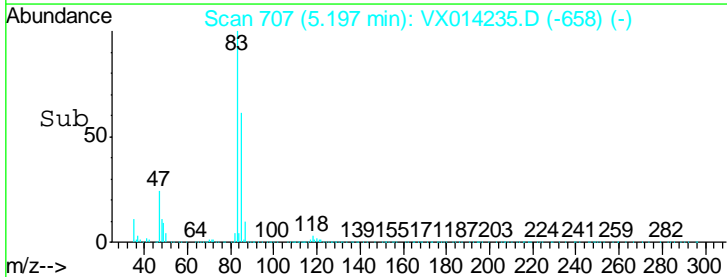
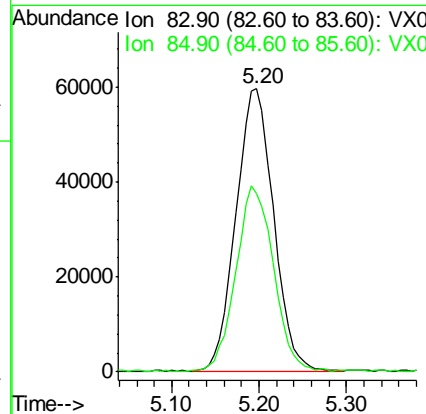
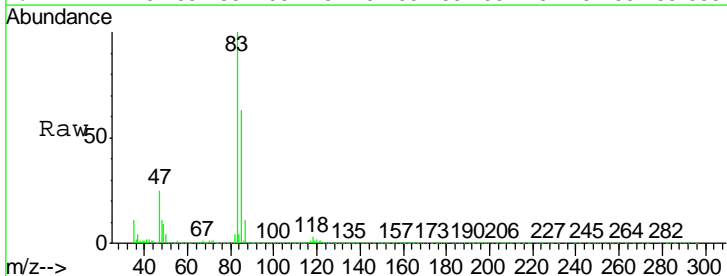
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

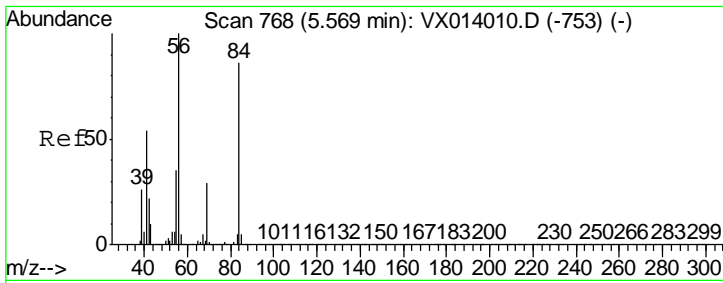
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#30
 Chloroform
 Concen: 18.765 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
83	100		
85	62.6	50.8	76.2





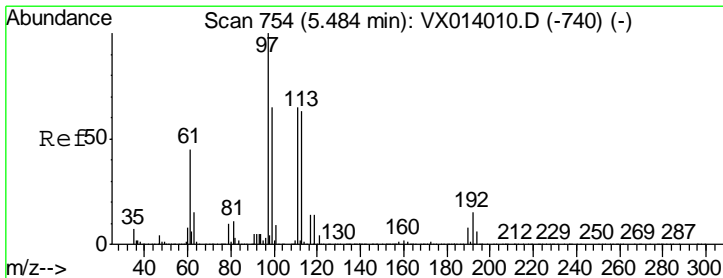
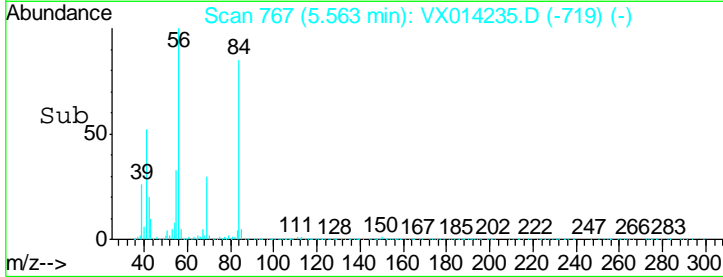
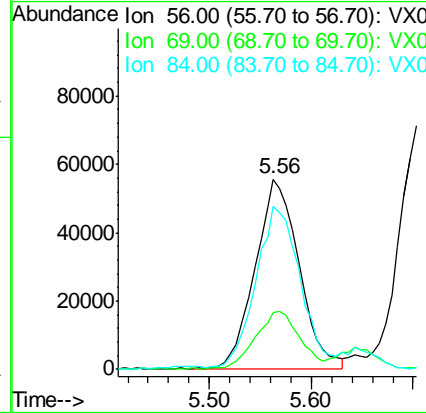
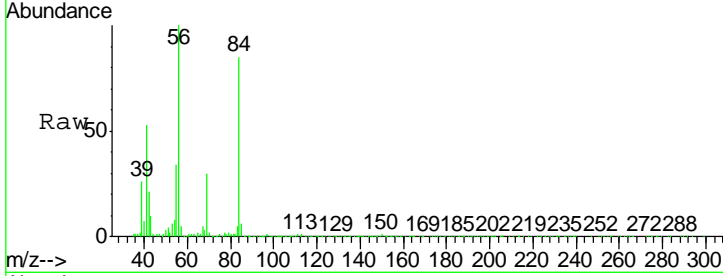
#31
 Cyclohexane
 Concen: 18.664 ug/l
 RT: 5.56 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

Tgt Ion	Resp	Lower	Upper
56	166017		
69	28.9	23.2	34.8
84	84.3	69.2	103.8

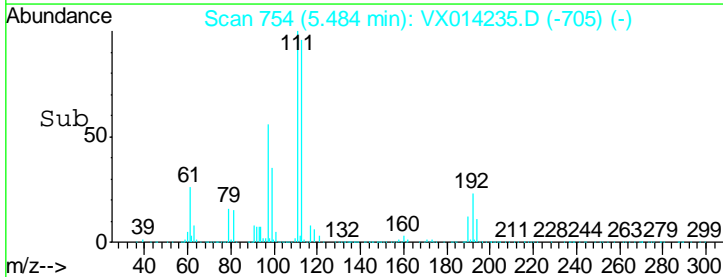
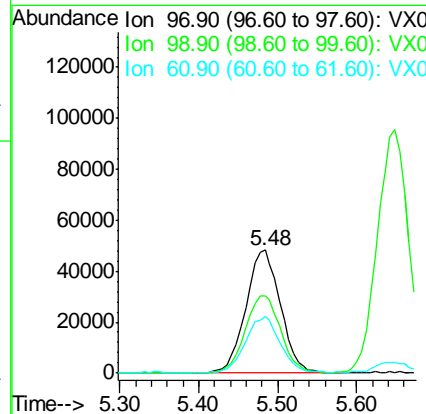
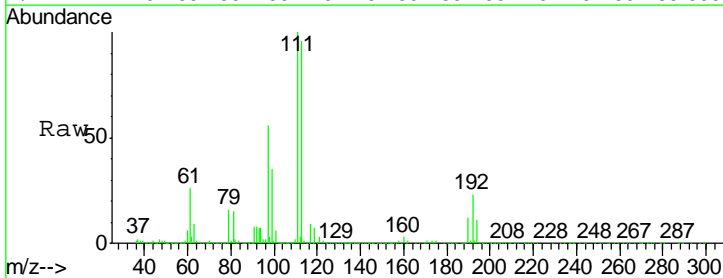
Manual Integrations
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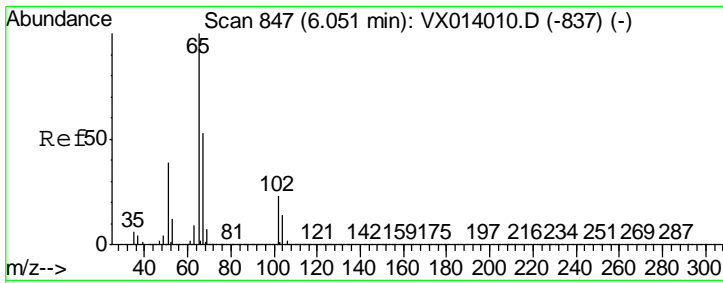
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#32
 1,1,1-Trichloroethane
 Concen: 18.096 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
97	146215		
99	64.1	52.0	78.0
61	45.2	36.7	55.1



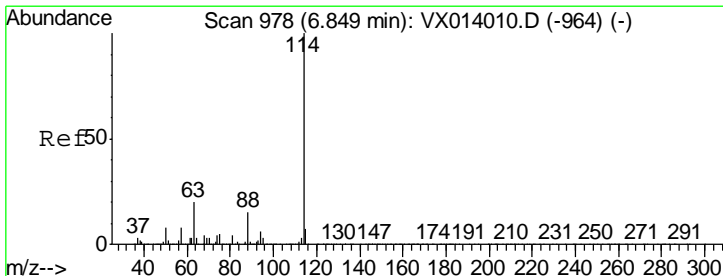
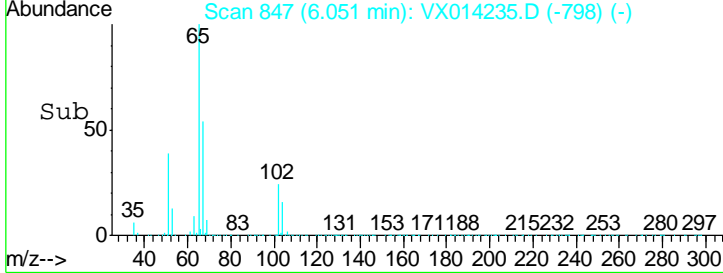
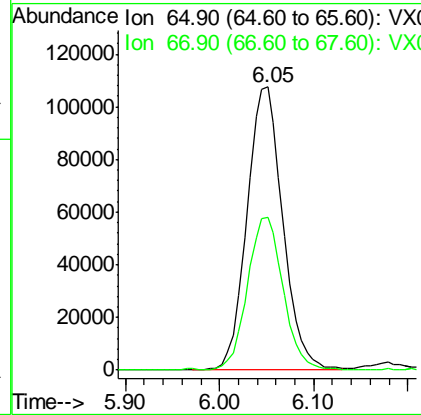
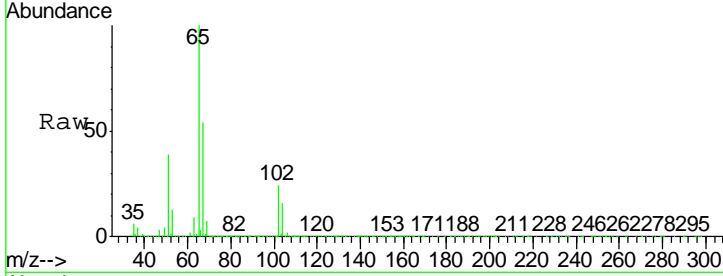


#33
 1,2-Dichloroethane-d4
 Concen: 47.870 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.4	0.0	106.4

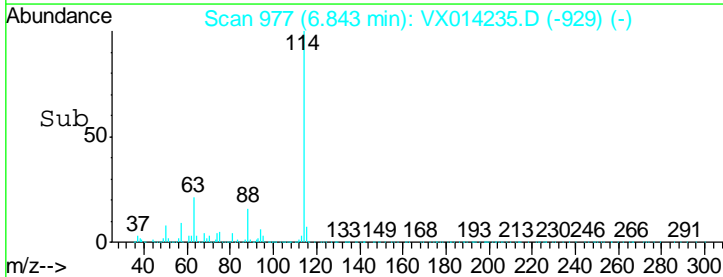
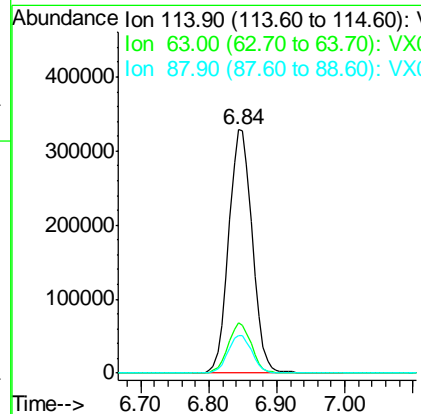
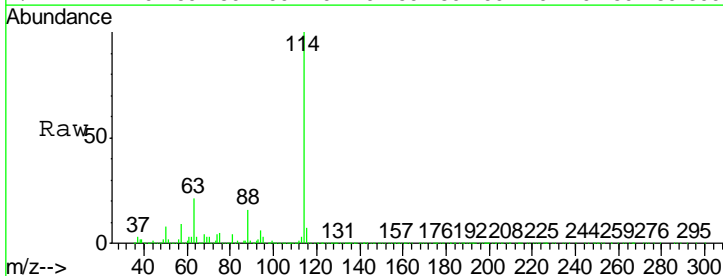
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

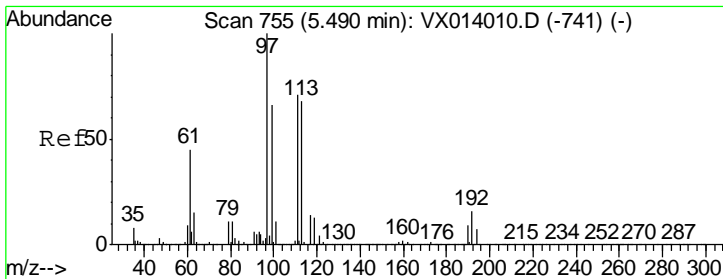
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

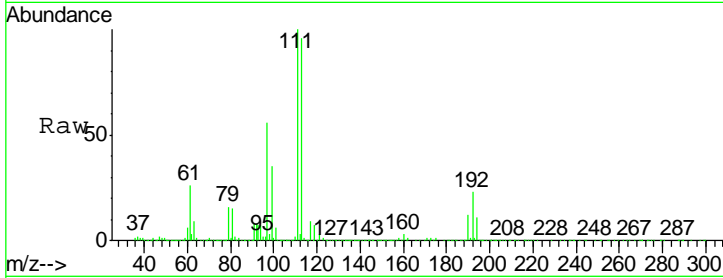
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	15.5	0.0	30.4





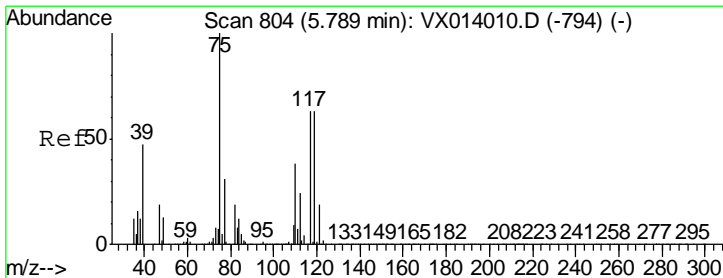
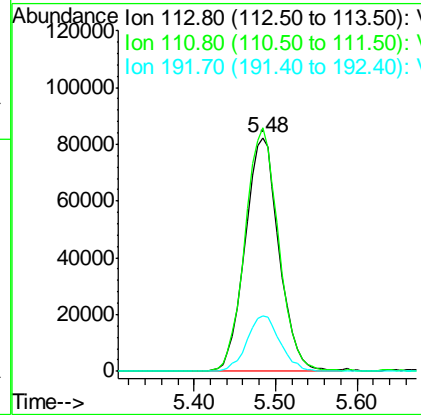
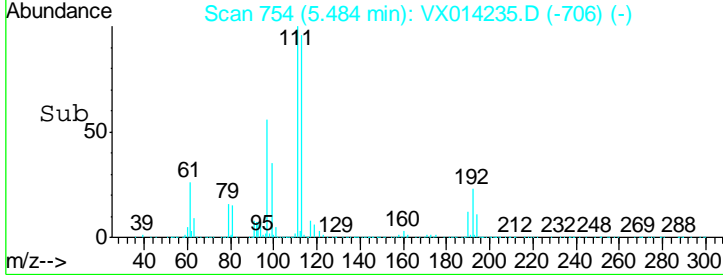
#35
 Dibromofluoromethane
 Concen: 49.645 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

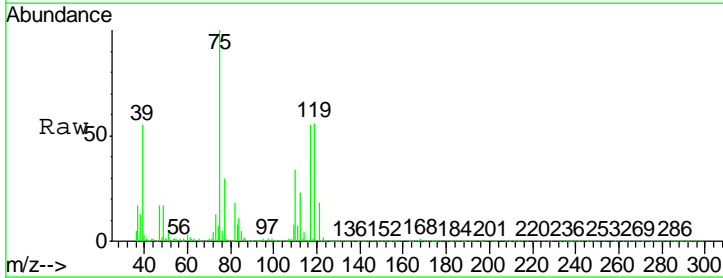


Tgt Ion	Resp	Lower	Upper
113	237472		
113	100		
111	103.3	82.0	123.0
192	23.2	19.3	28.9

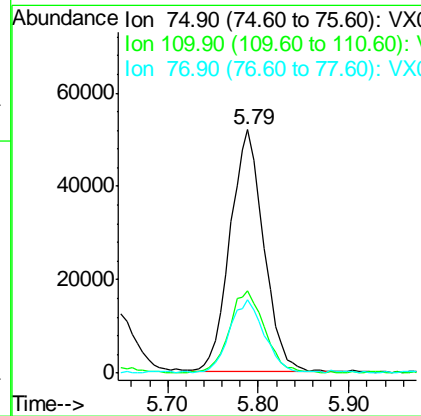
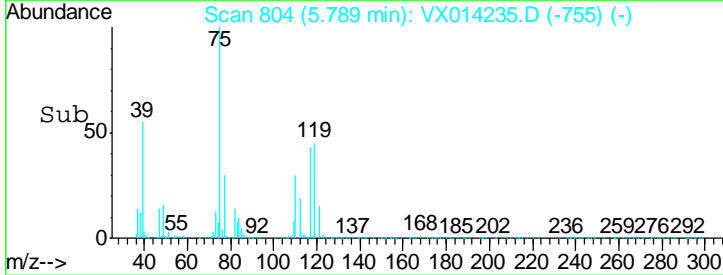
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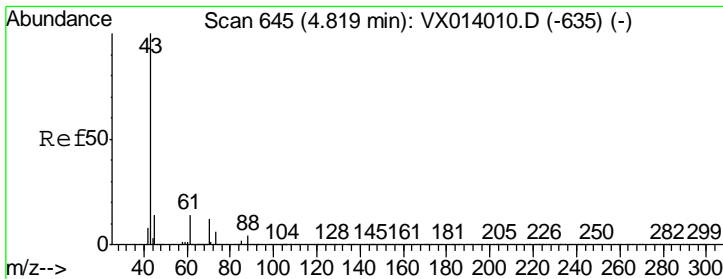


#36
 1,1-Dichloropropene
 Concen: 18.523 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09



Tgt Ion	Resp	Lower	Upper
75	133736		
75	100		
110	36.1	18.3	54.9
77	30.3	24.8	37.2





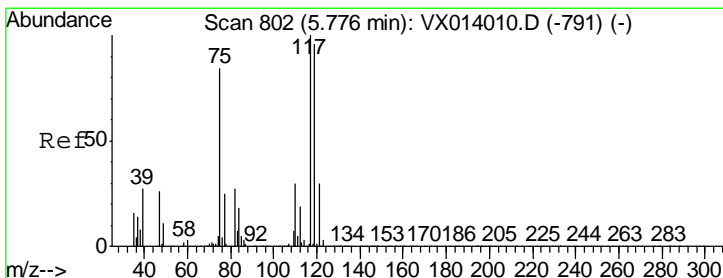
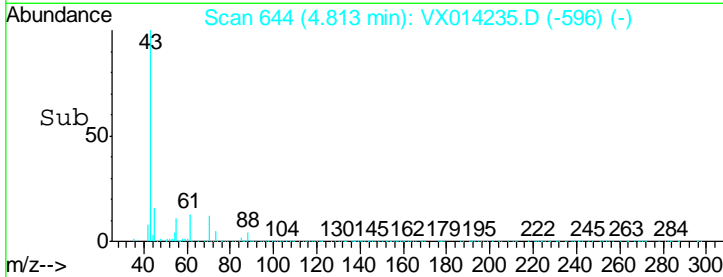
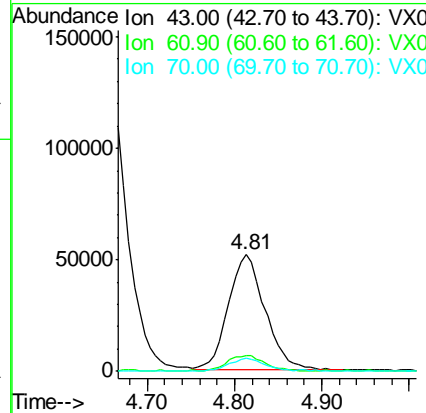
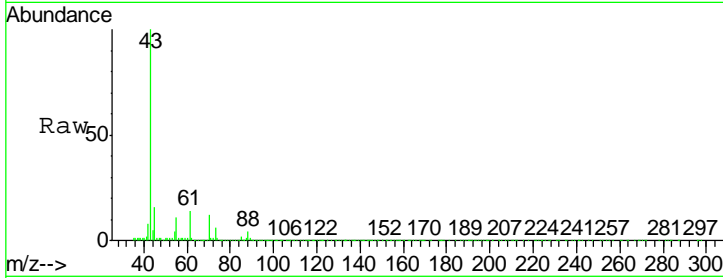
#37
Ethyl Acetate
Concen: 19.005 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014235.D
Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
ClientSampled : VX1224WBS01

Tgt Ion	Resp	Lower	Upper
43	151529		
61	13.6	10.8	16.2
70	11.1	8.6	12.8

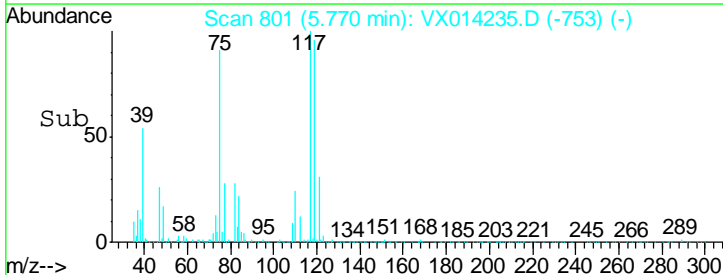
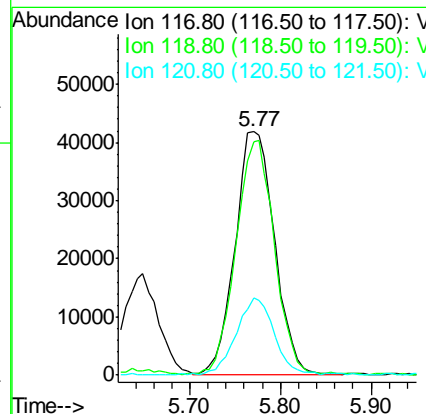
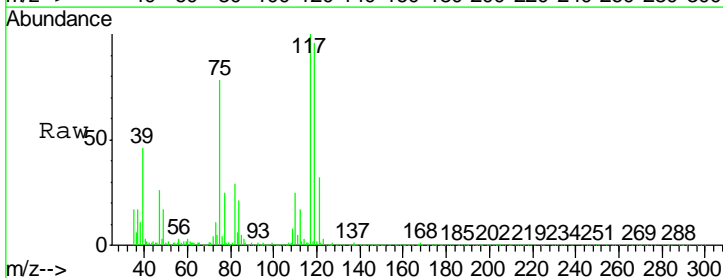
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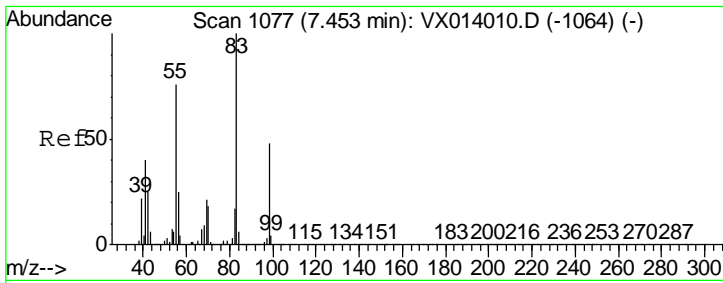
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#38
Carbon Tetrachloride
Concen: 19.296 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014235.D
Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
117	126920		
119	95.6	76.2	114.4
121	31.4	23.6	35.4



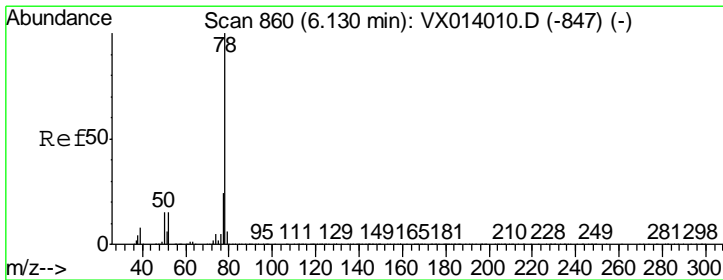
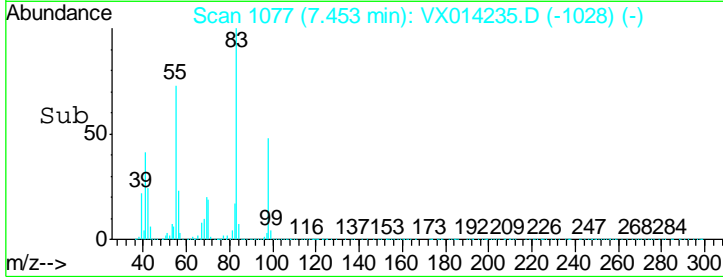
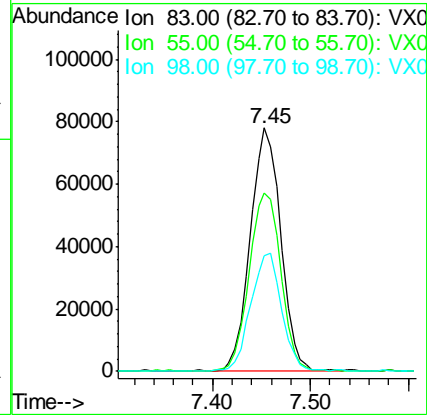
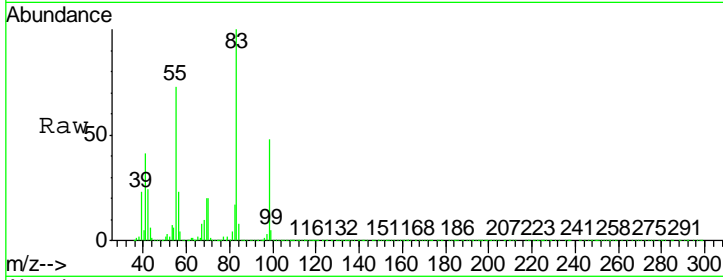


#39
 Methylcyclohexane
 Concen: 19.018 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument :
 MSVOA_X
 ClientSampled :
 VX1224WBS01

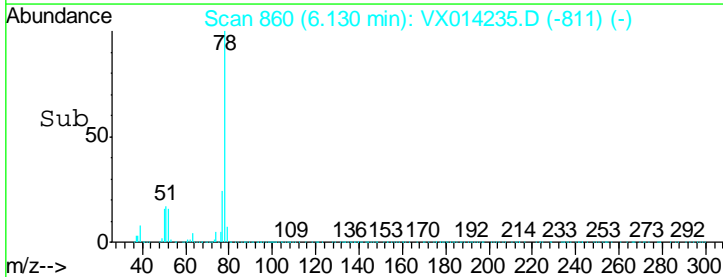
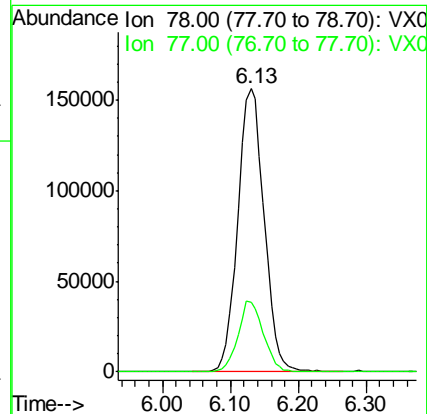
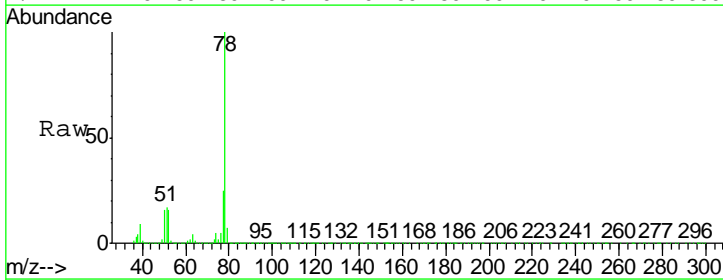
Tgt Ion	Resp	Lower	Upper
83	169548		
55	73.2	61.0	91.6
98	47.3	38.6	57.8

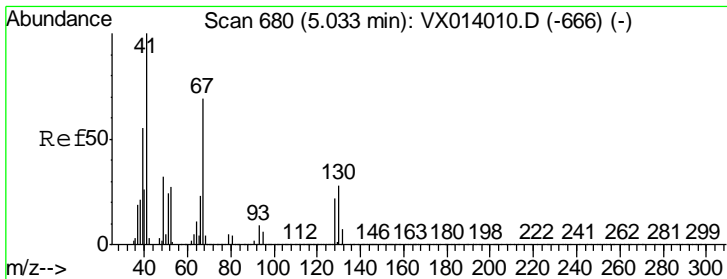
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#40
 Benzene
 Concen: 18.857 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
78	418929		
77	24.7	18.8	28.2





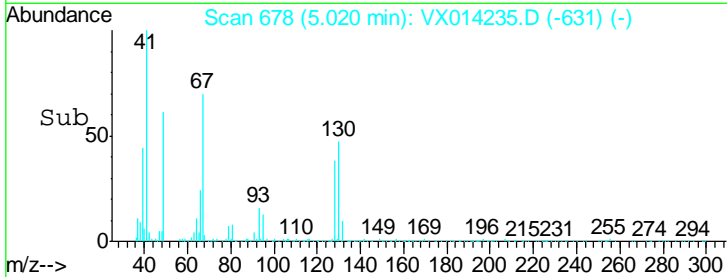
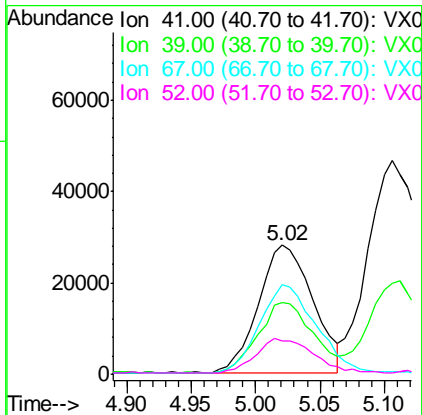
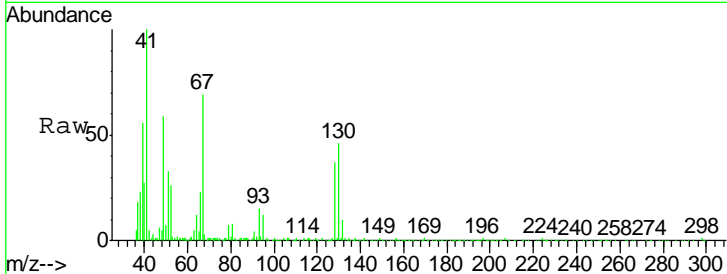
#41
 Methacrylonitrile
 Concen: 18.592 ug/l
 RT: 5.02 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.5	44.5	66.7
67	72.3	57.4	86.0
52	28.6	23.0	34.4

Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

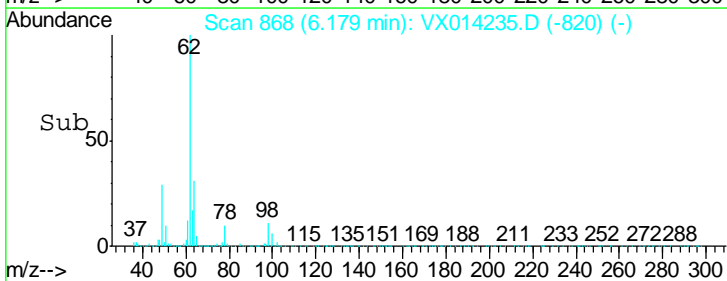
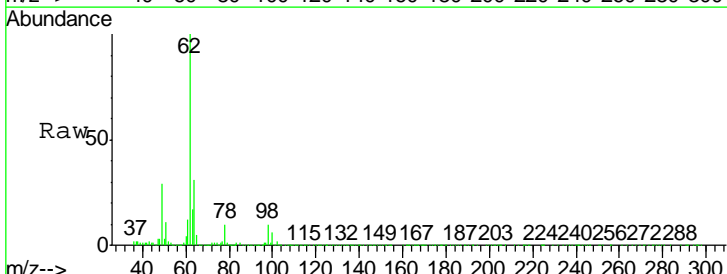
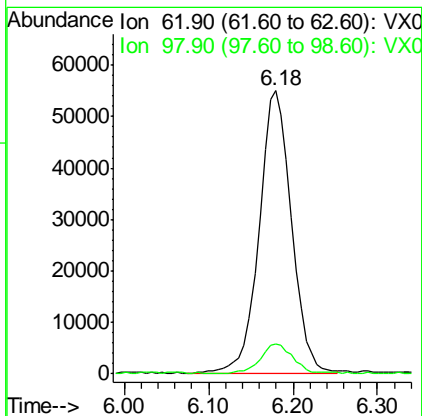
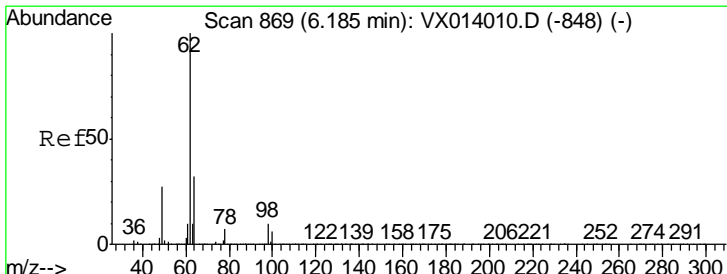
Manual Integrations
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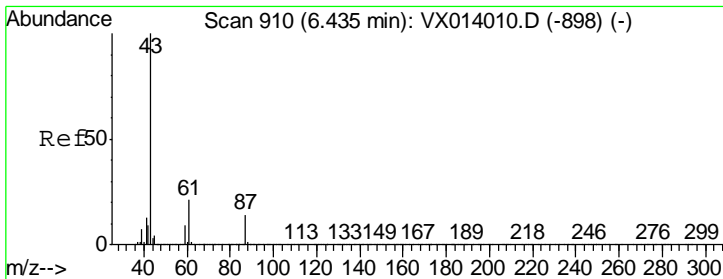
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#42
 1,2-Dichloroethane
 Concen: 19.190 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
62	100		
98	11.2	0.0	21.0



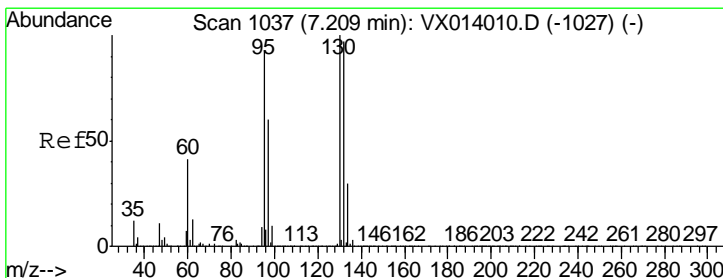
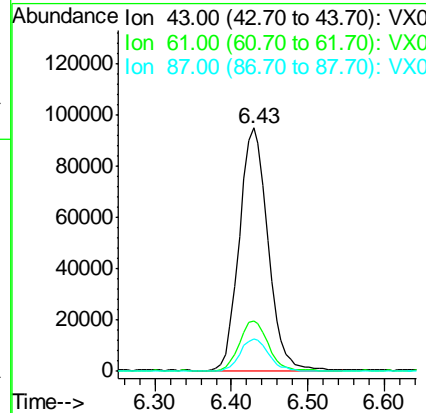
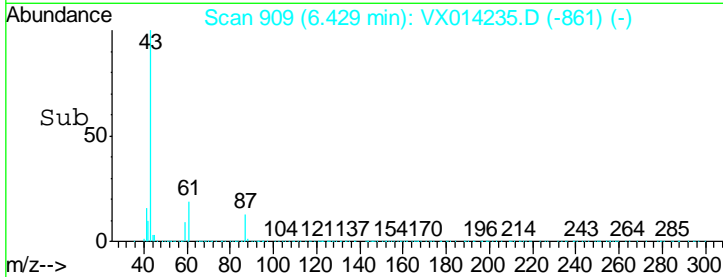
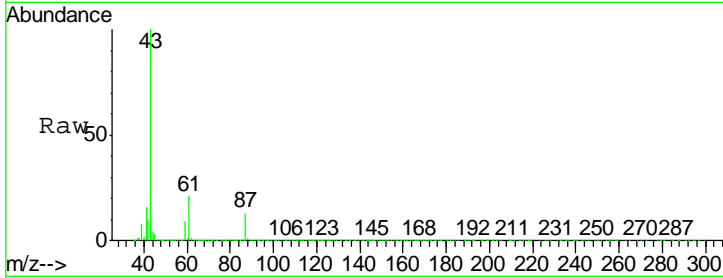


#43
 Isopropyl Acetate
 Concen: 18.615 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.6	16.4	24.6
87	13.5	10.7	16.1

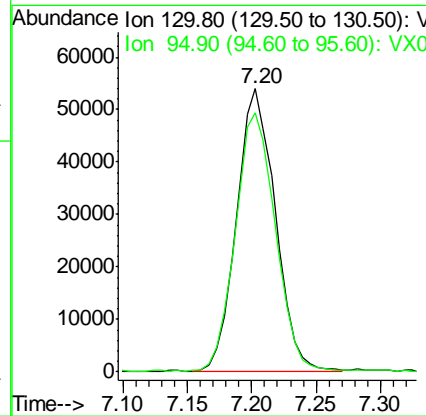
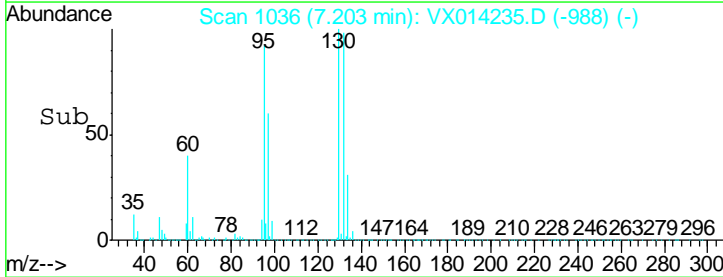
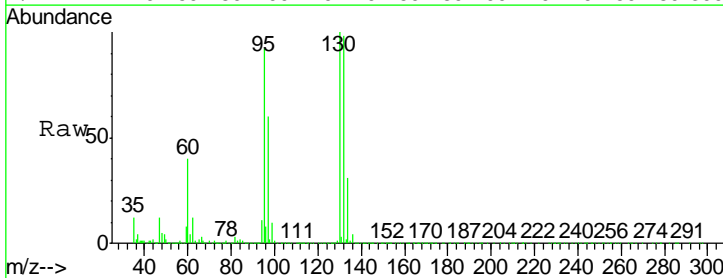
Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

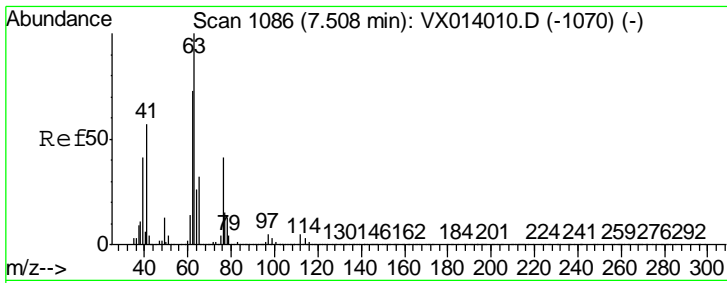
Manual Integrations
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#44
 Trichloroethene
 Concen: 18.283 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
130	100		
95	91.5	0.0	185.6



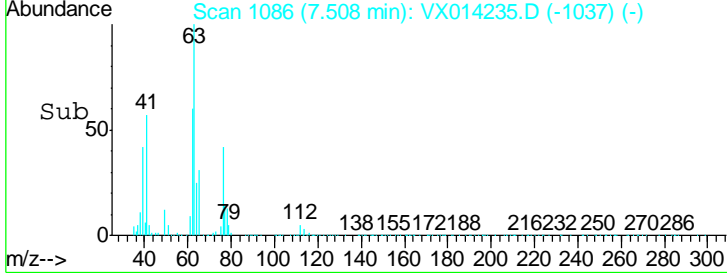
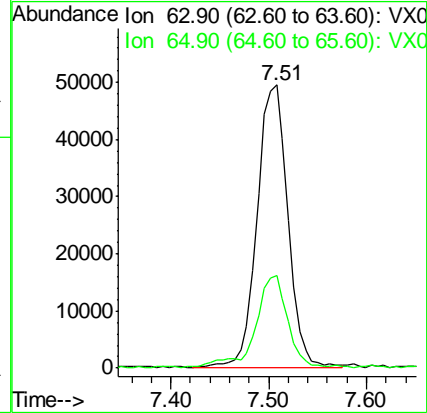
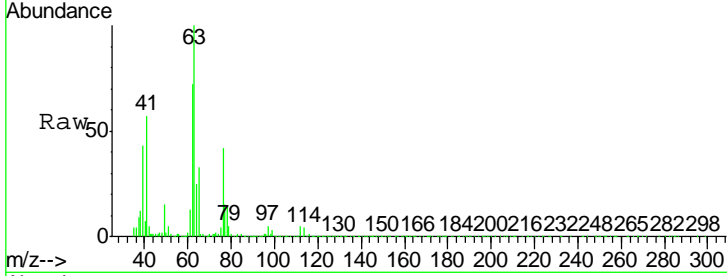


#45
 1,2-Dichloropropane
 Concen: 19.248 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 ClientSampleId : VX1224WBS01

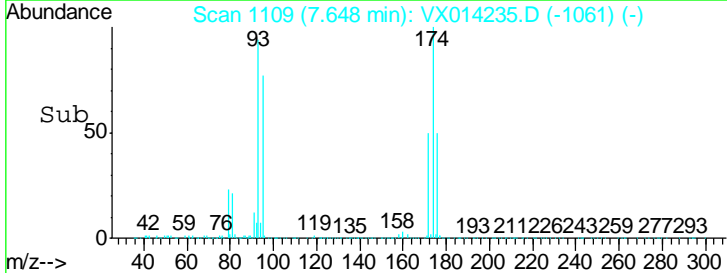
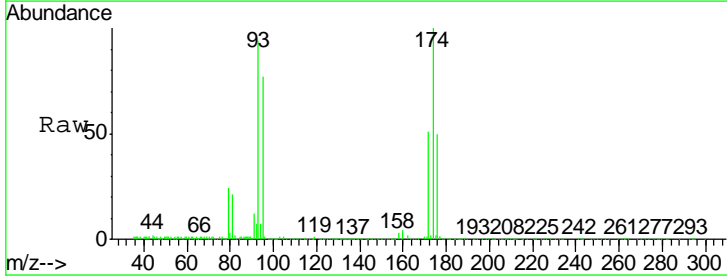
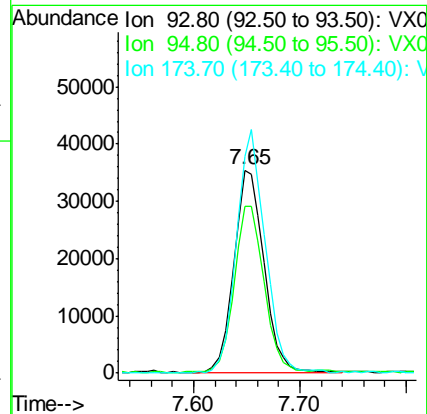
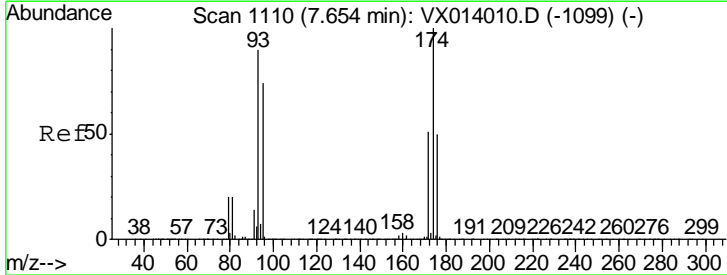
Tgt Ion	Resp	Lower	Upper
63	109598		
65	32.2	25.8	38.8

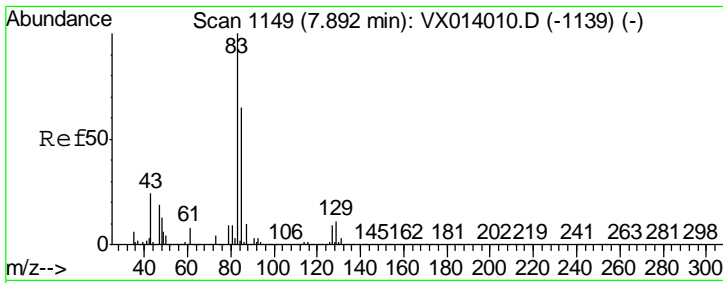
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#46
 Dibromomethane
 Concen: 18.624 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
93	70114		
95	81.9	67.3	100.9
174	114.6	91.6	137.4



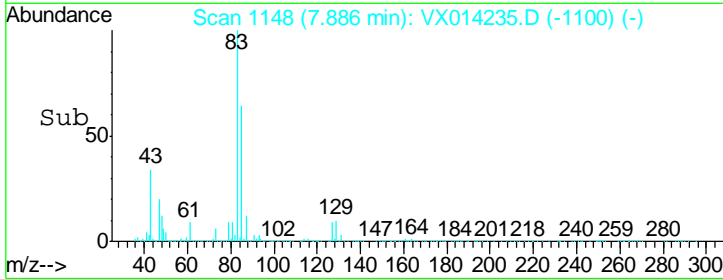
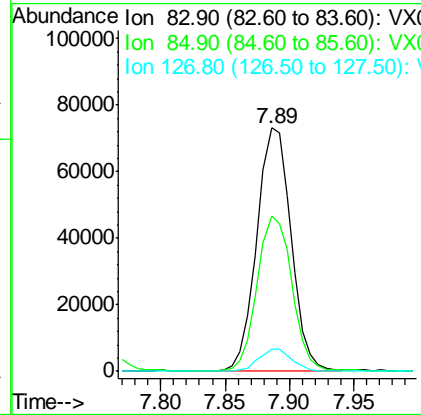
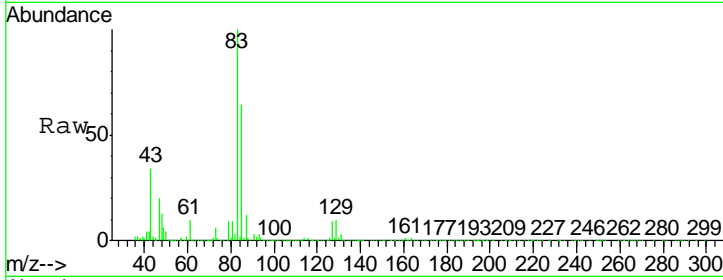


#47
 Bromodichloromethane
 Concen: 19.002 ug/l
 RT: 7.89 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

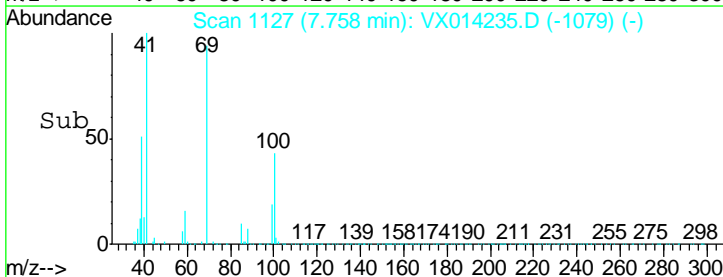
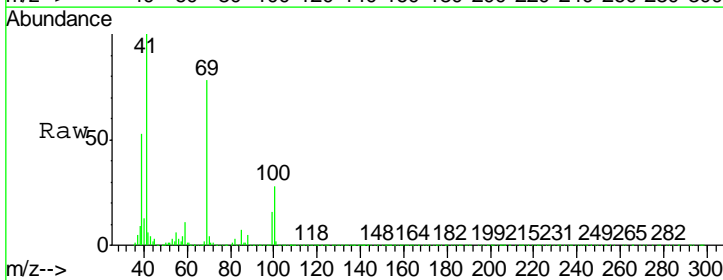
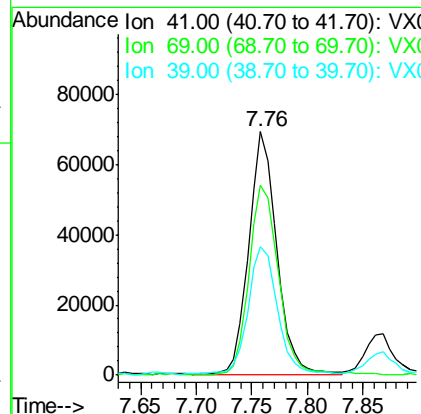
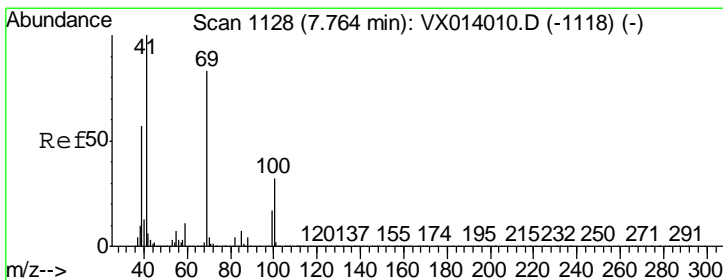
Tgt Ion	Resp	Lower	Upper
83	134727		
83	100		
85	63.4	51.8	77.8
127	8.9	7.0	10.4

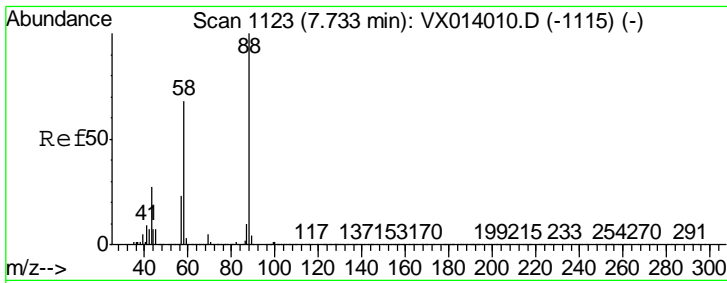
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#48
 Methyl methacrylate
 Concen: 18.647 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
41	120483		
41	100		
69	81.8	65.8	98.6
39	55.2	44.6	67.0



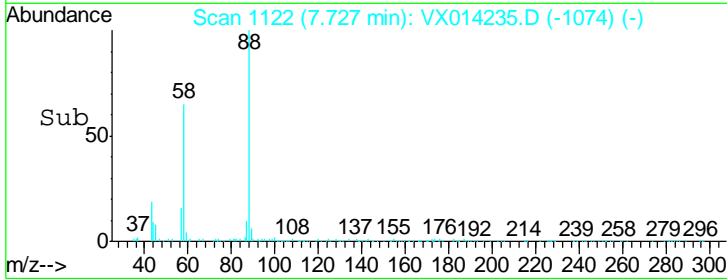
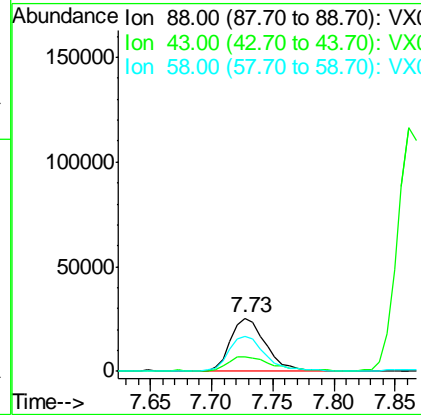
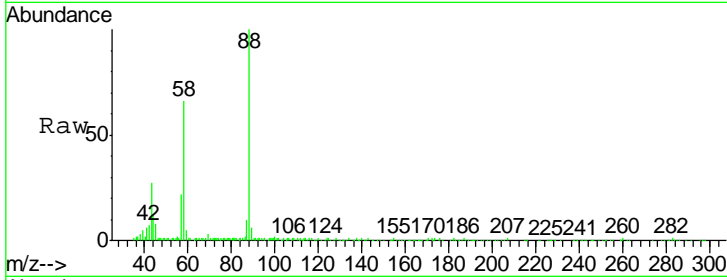


#49
 1,4-Dioxane
 Concen: 381.090 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
88	50109		
88	100		
43	33.4	26.5	39.7
58	68.2	56.8	85.2

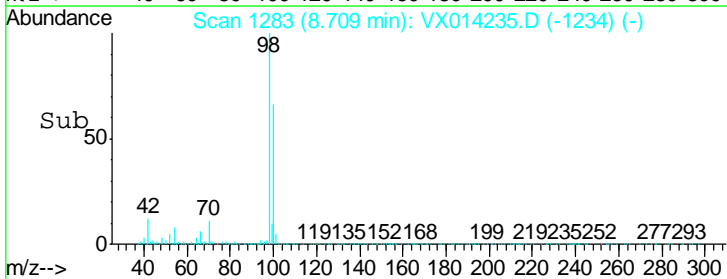
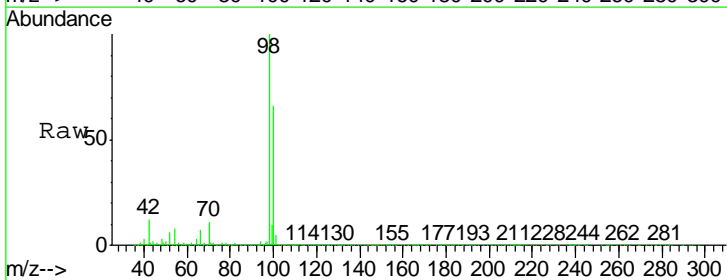
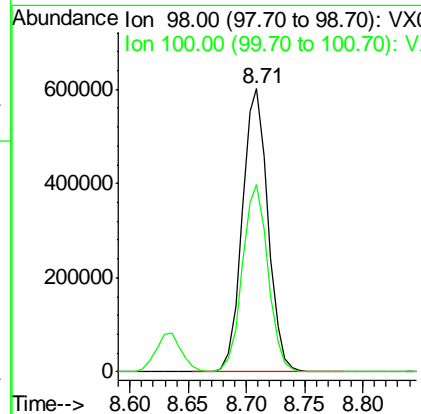
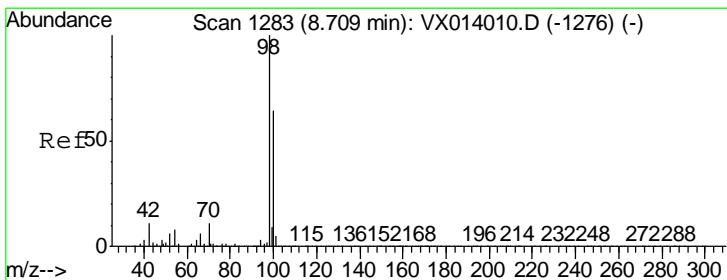
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

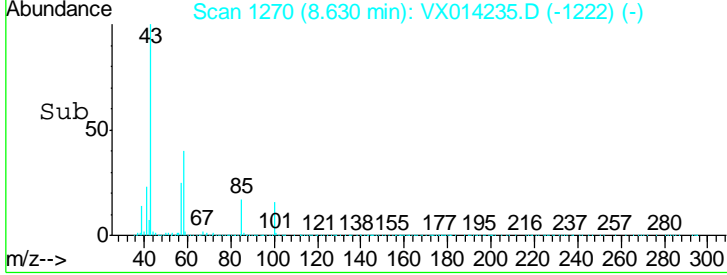
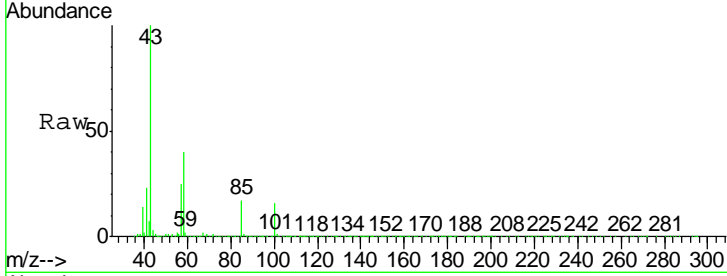
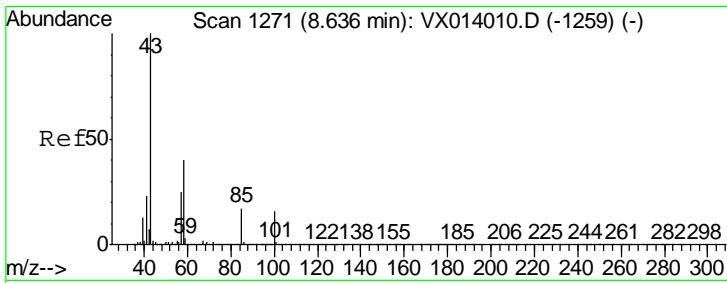
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#50
 Toluene-d8
 Concen: 49.505 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
98	921932		
98	100		
100	66.2	52.9	79.3



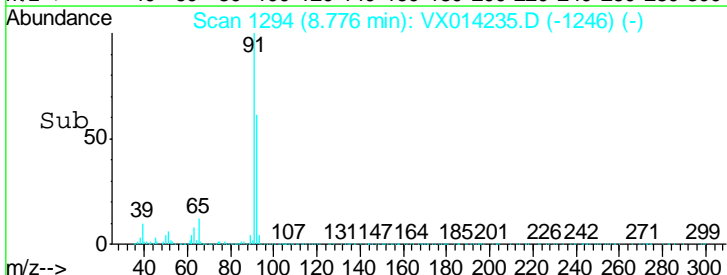
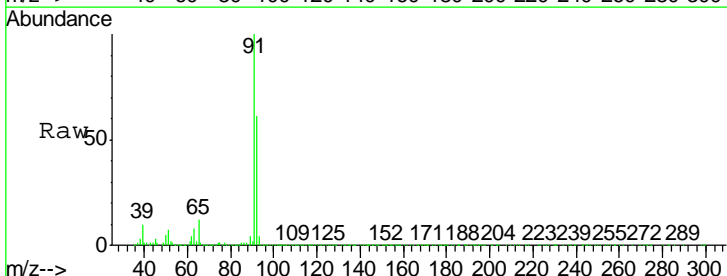
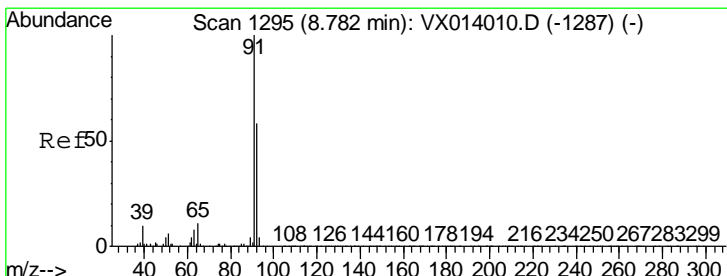
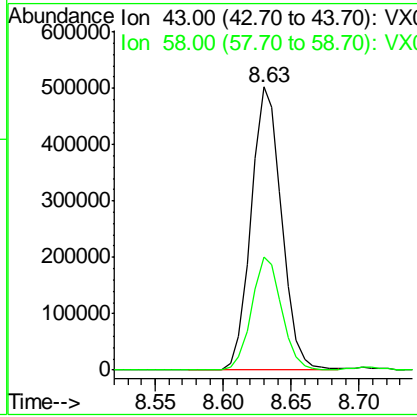


#51
 4-Methyl-2-Pentanone
 Concen: 95.181 ug/l
 RT: 8.63 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.4	32.2	48.2

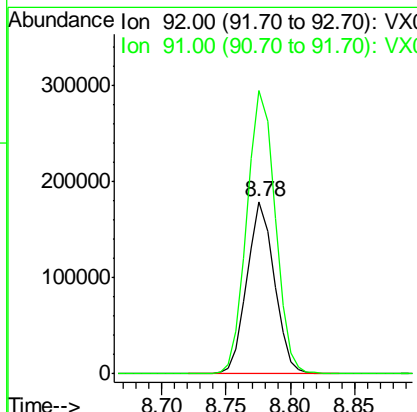
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

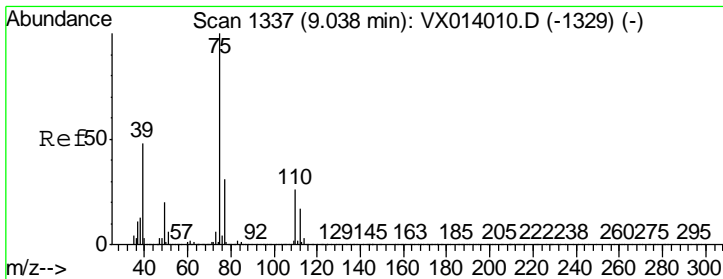
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#52
 Toluene
 Concen: 18.669 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
92	100		
91	170.8	136.2	204.4



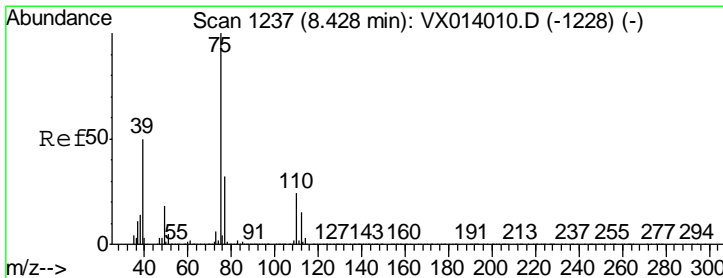
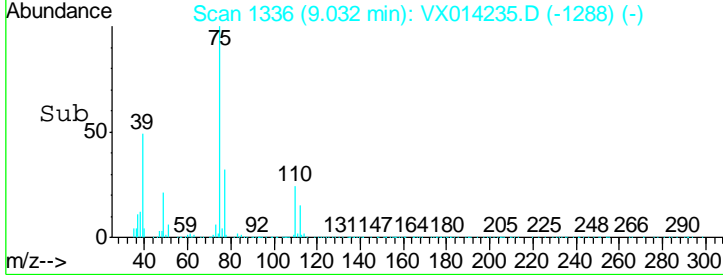
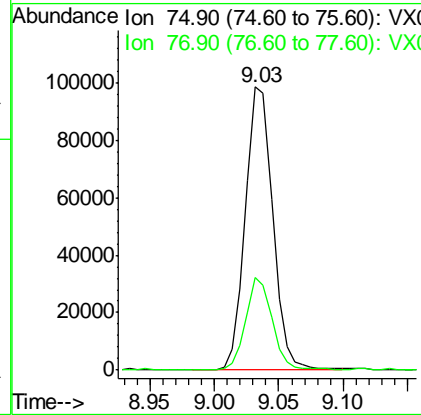
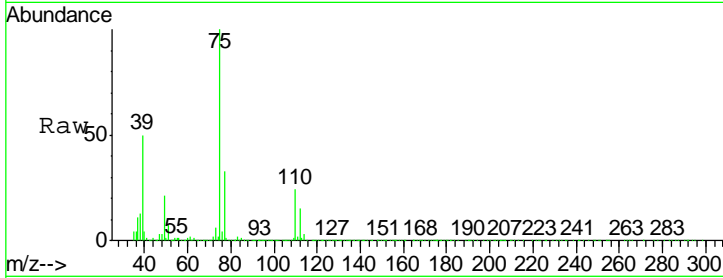


#53
 t-1,3-Dichloropropene
 Concen: 18.761 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

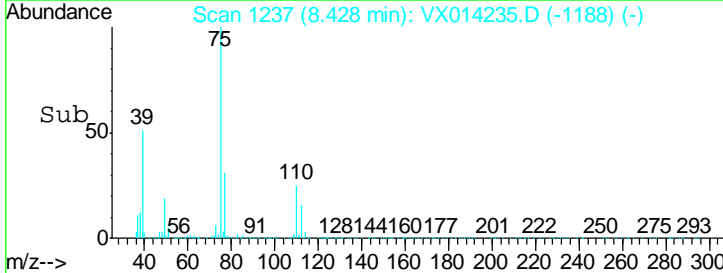
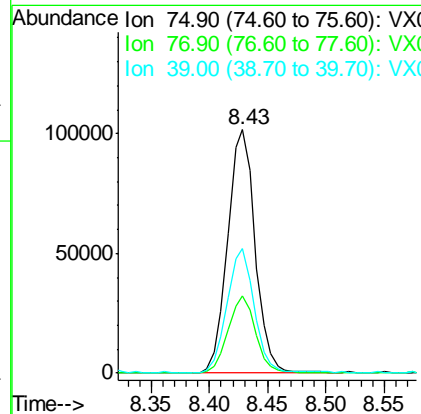
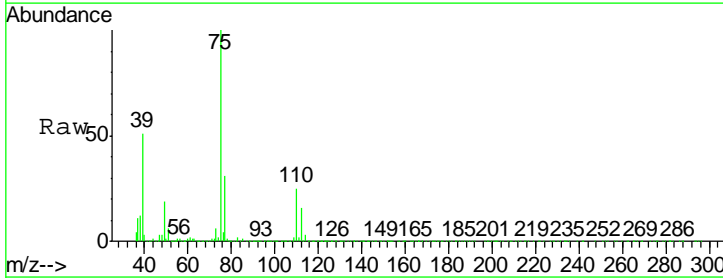
Tgt Ion	Resp	Lower	Upper
75	145852		
75	100		
77	32.4	25.1	37.7

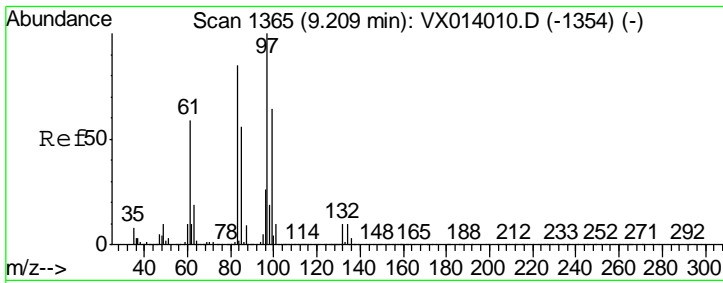
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#54
 cis-1,3-Dichloropropene
 Concen: 19.127 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

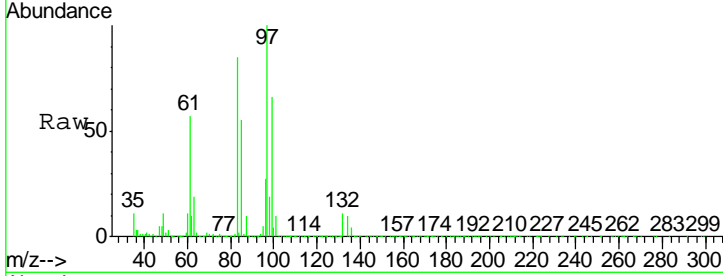
Tgt Ion	Resp	Lower	Upper
75	165666		
75	100		
77	31.4	25.3	37.9
39	51.0	39.9	59.9





#55
 1,1,2-Trichloroethane
 Concen: 19.215 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

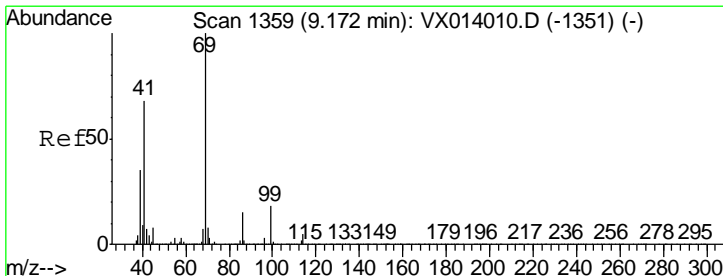
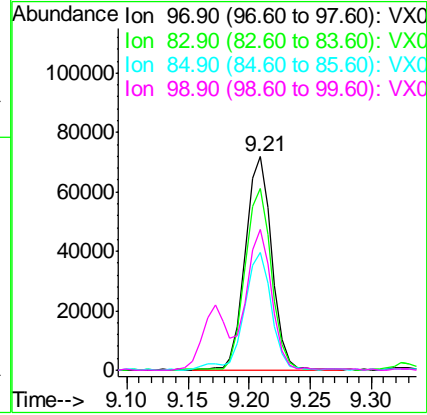
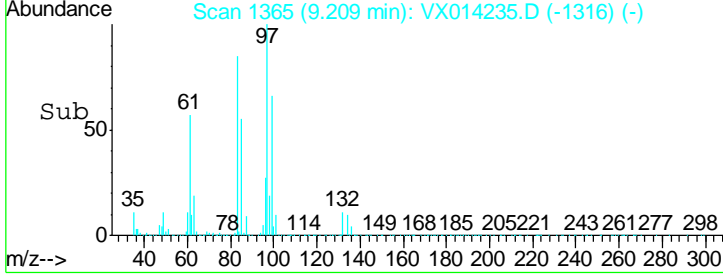
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01



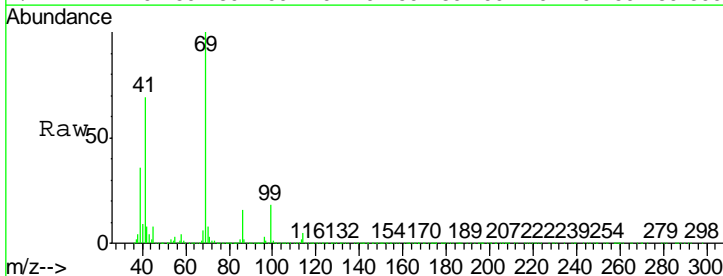
Tgt Ion: 97 Resp: 108141

Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.2	102.4
85	54.9	44.6	66.8
99	65.5	51.4	77.0

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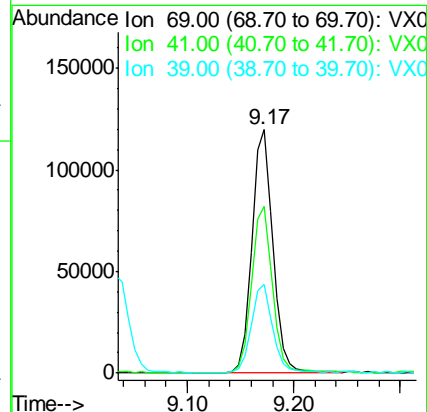
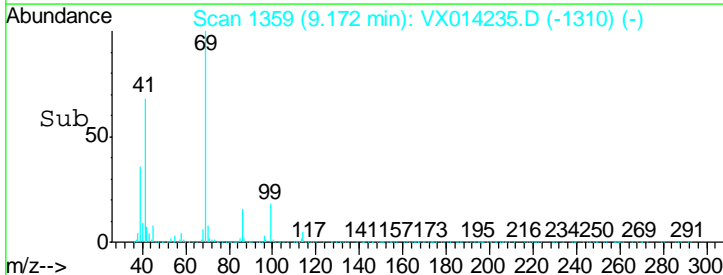


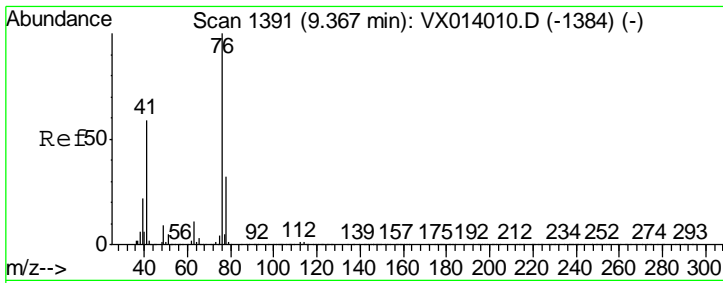
#56
 Ethyl methacrylate
 Concen: 18.776 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09



Tgt Ion: 69 Resp: 165986

Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.8	82.2
39	36.5	28.3	42.5



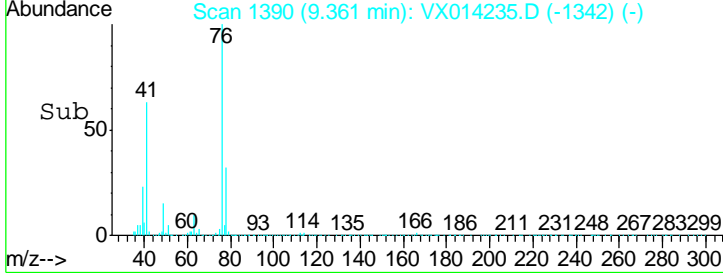
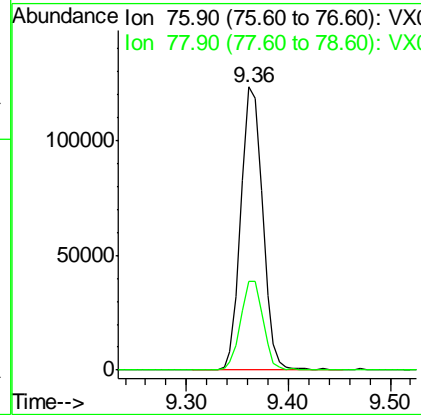
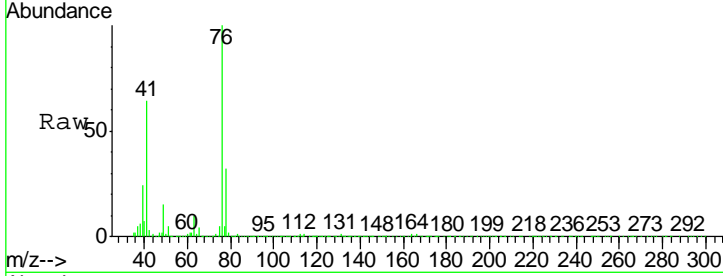


#57
 1,3-Dichloropropane
 Concen: 19.250 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

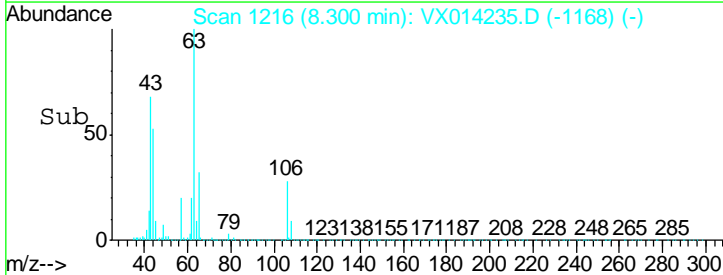
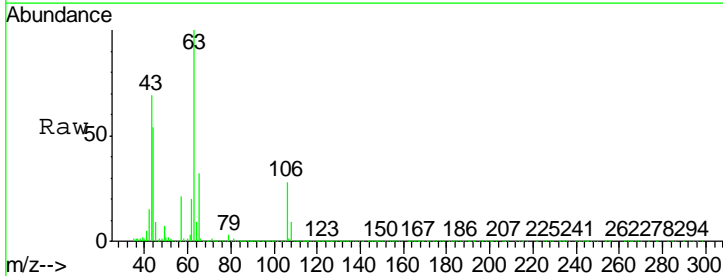
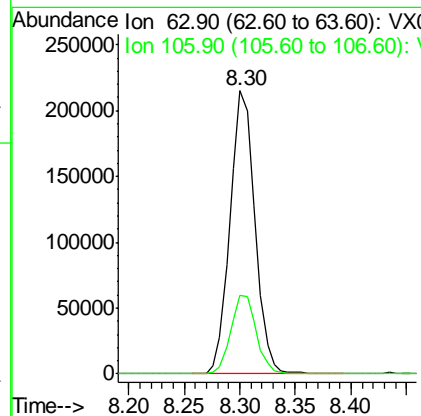
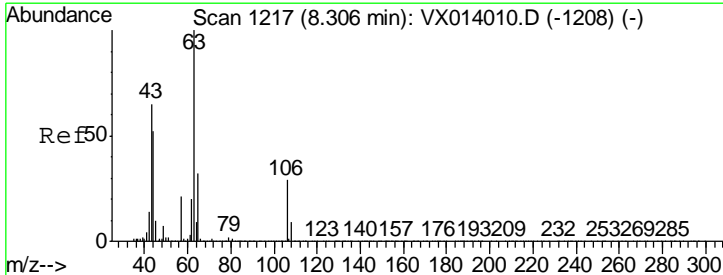
Tgt Ion	Resp	Lower	Upper
76	182272		
76	100		
78	32.0	25.8	38.6

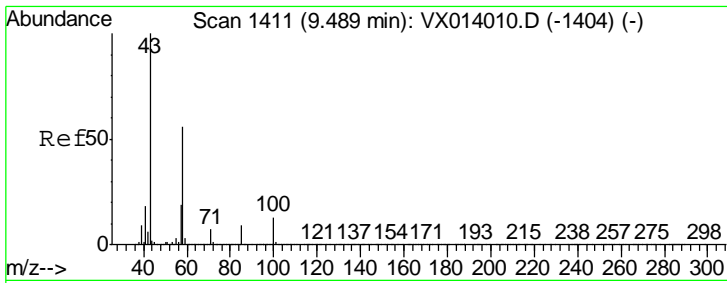
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.551 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
63	333050		
63	100		
106	28.5	23.0	34.6



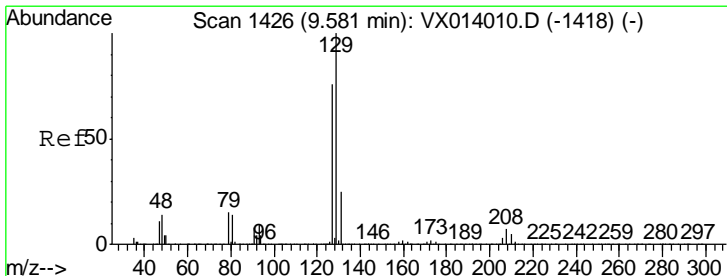
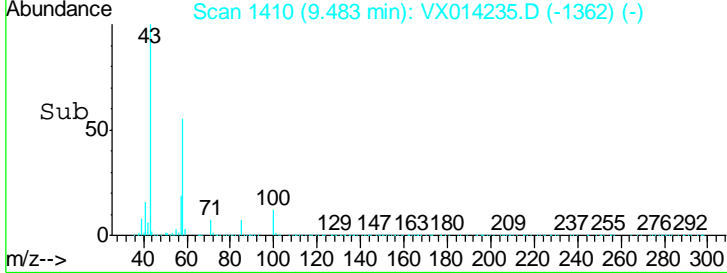
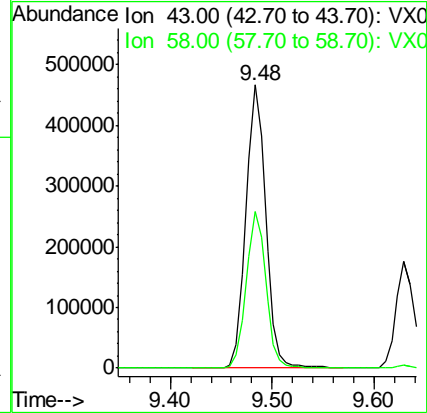
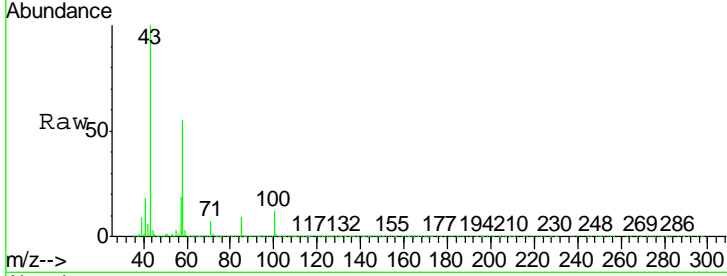


#59
 2-Hexanone
 Concen: 93.840 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

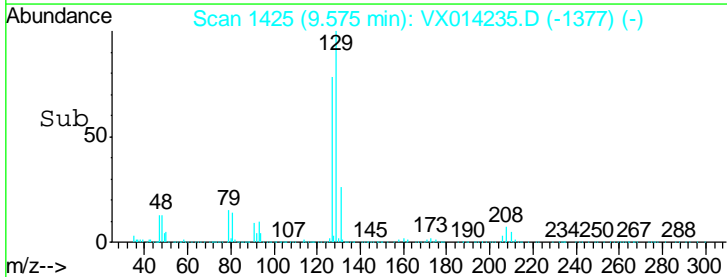
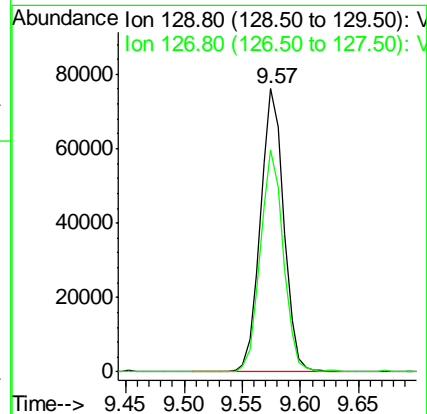
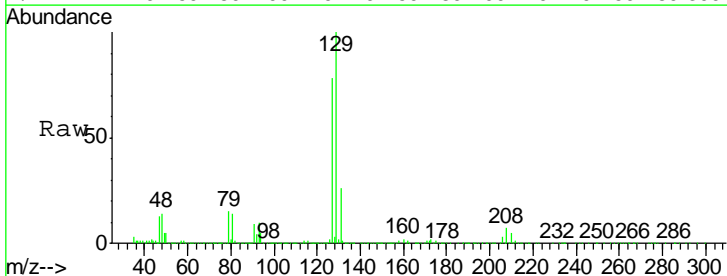
Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.9	28.0	84.0

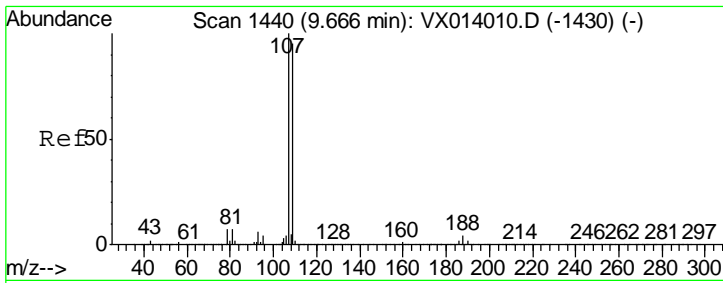
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#60
 Dibromochloromethane
 Concen: 19.106 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2



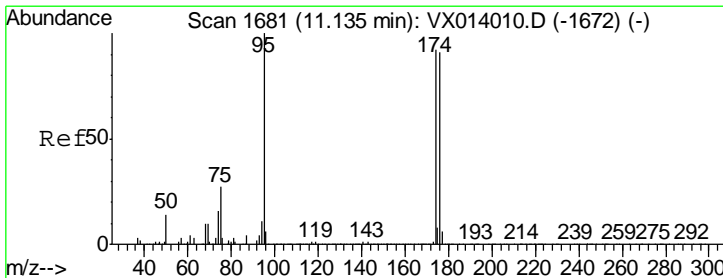
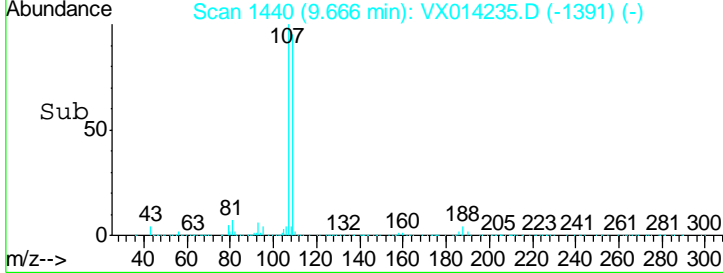
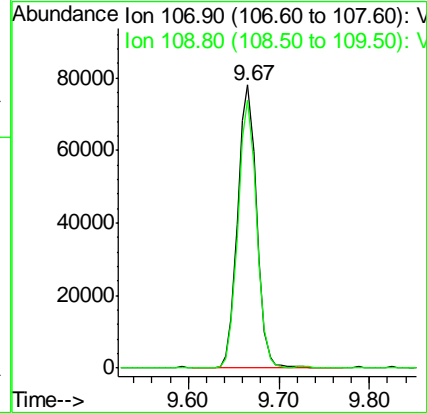
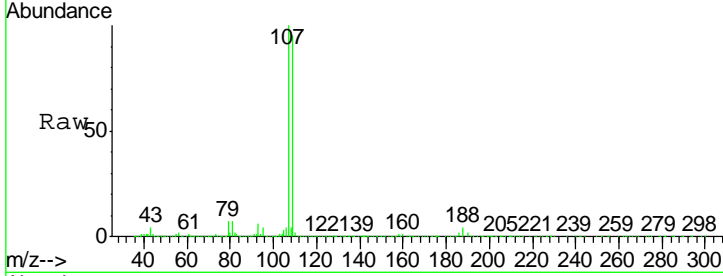


#61
 1,2-Dibromoethane
 Concen: 19.618 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

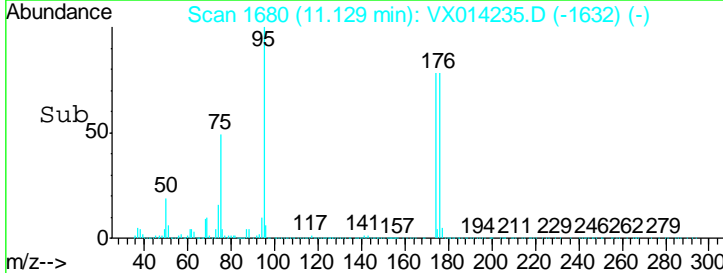
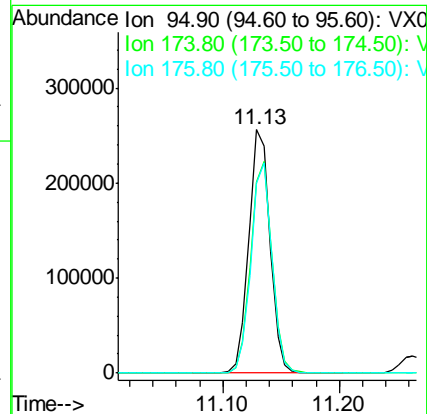
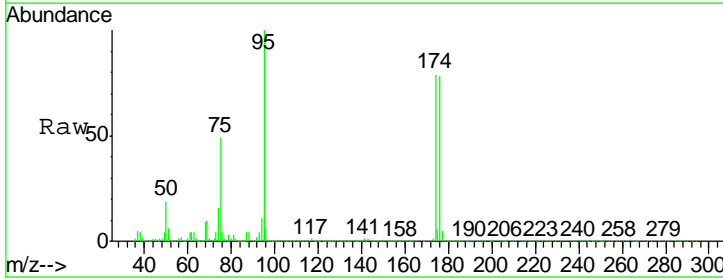
Tgt Ion	Resp	Lower	Upper
107	112962		
109	93.2	75.7	113.5

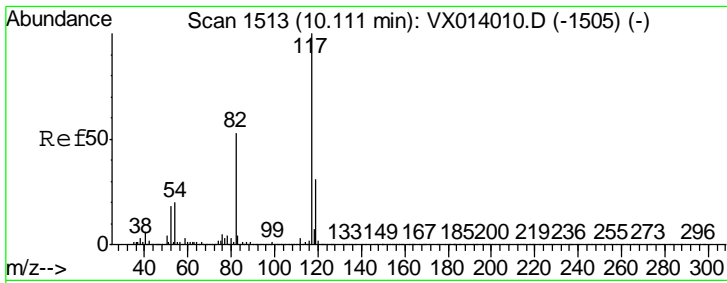
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#62
 4-Bromofluorobenzene
 Concen: 48.204 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

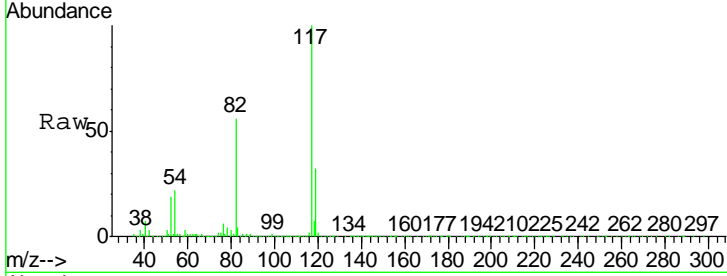
Tgt Ion	Resp	Lower	Upper
95	328151		
174	86.9	0.0	175.8
176	85.6	0.0	173.0





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

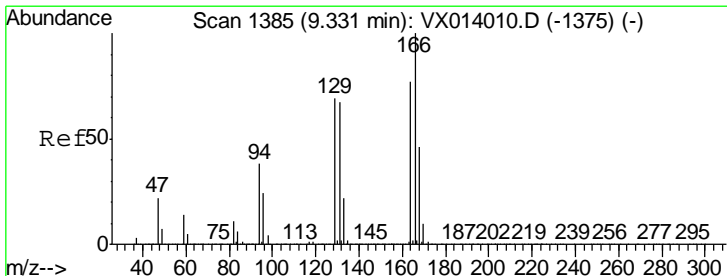
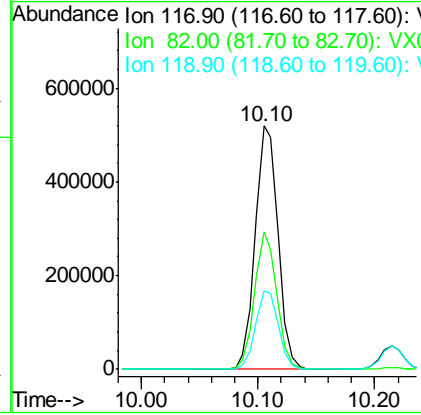
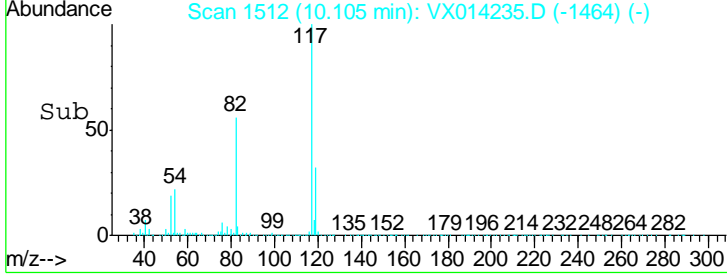
Instrument : MSVOA_X
 ClientSampled : VX1224WBS01



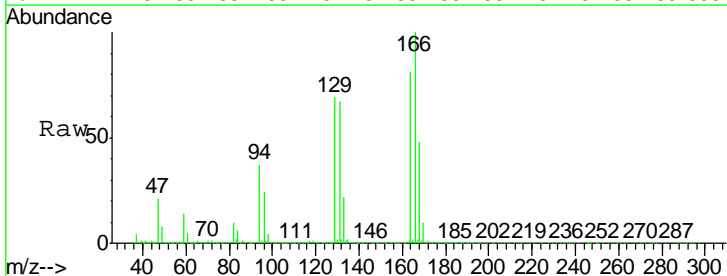
Tgt Ion: 117 Resp: 709008

Ion	Ratio	Lower	Upper
117	100		
82	56.4	42.2	63.4
119	32.2	25.1	37.7

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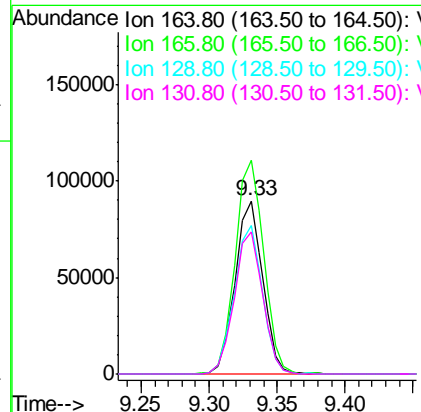
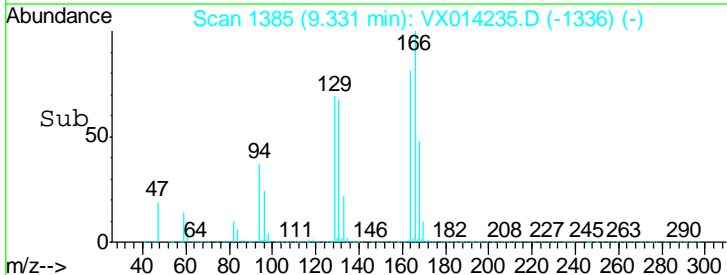


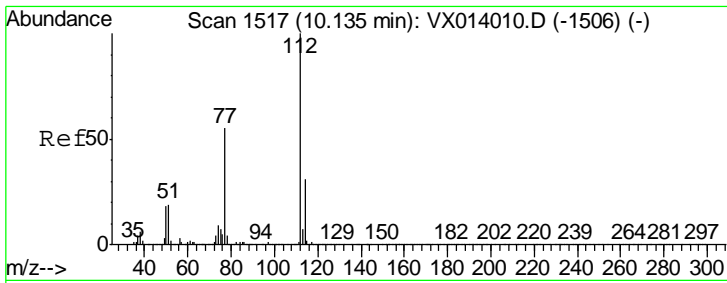
#64
 Tetrachloroethene
 Concen: 20.263 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09



Tgt Ion: 164 Resp: 127127

Ion	Ratio	Lower	Upper
164	100		
166	123.0	104.0	156.0
129	85.1	72.2	108.4
131	82.0	69.6	104.4



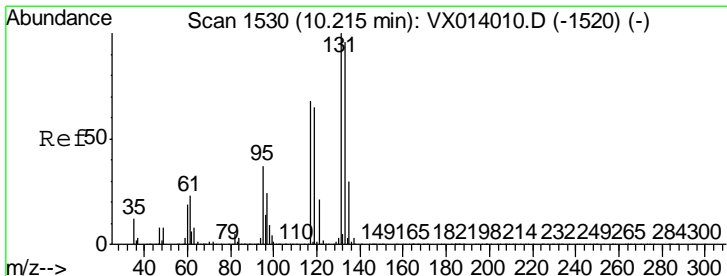
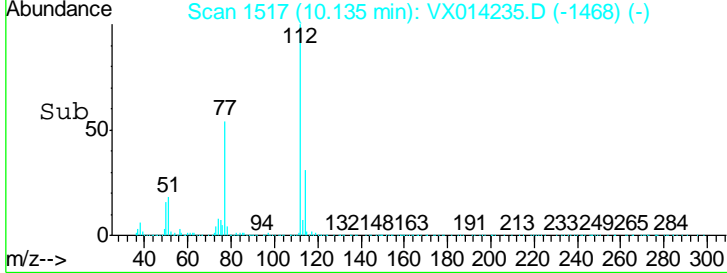
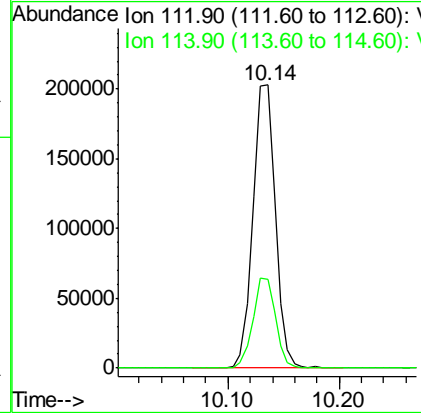
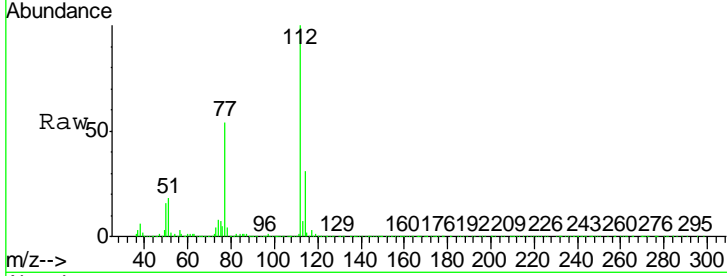


#65
 Chlorobenzene
 Concen: 18.922 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

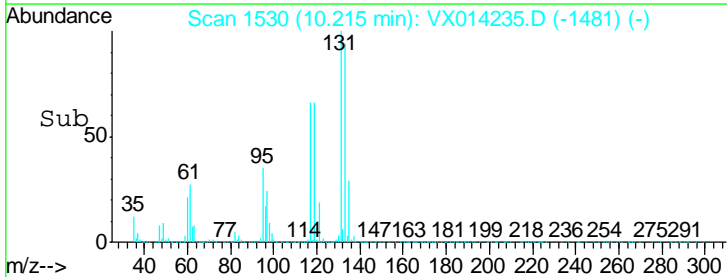
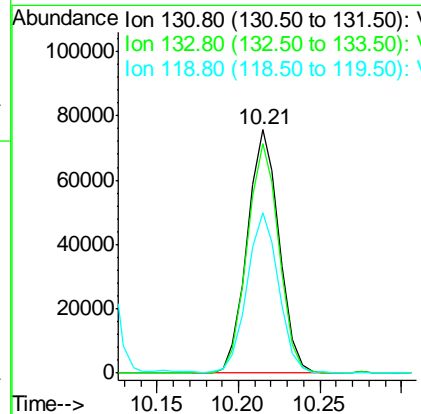
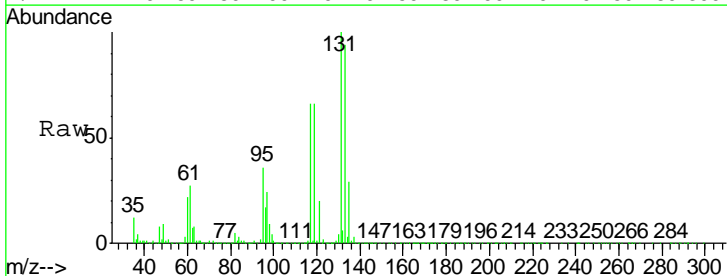
Tgt Ion	Resp	Lower	Upper
112	285252		
114	31.2	24.9	37.3

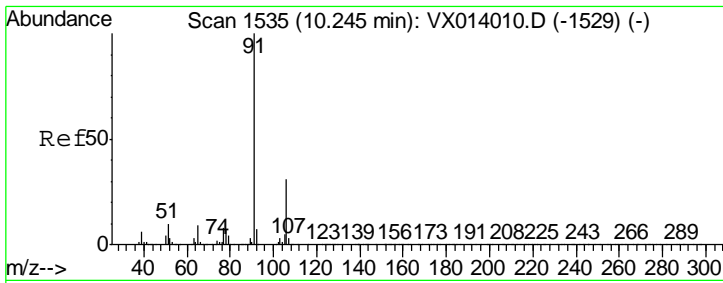
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.174 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
131	103207		
133	93.4	48.0	144.0
119	65.3	33.4	100.2



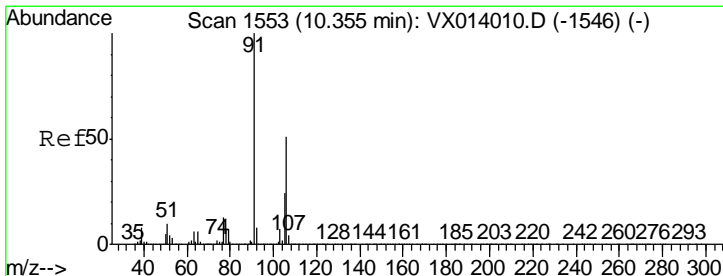
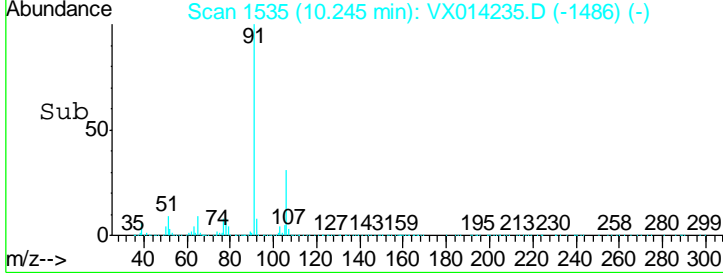
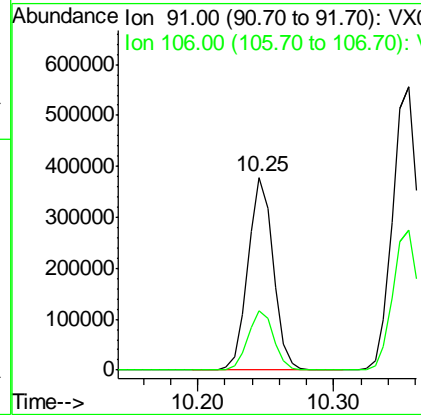
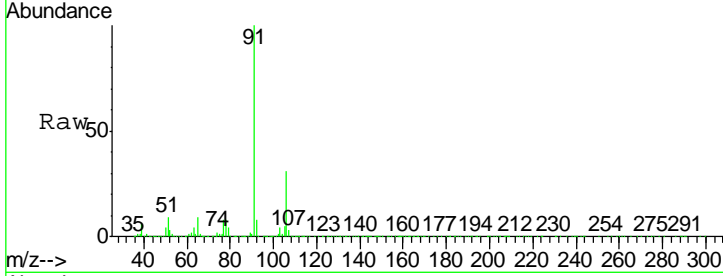


#67
 Ethyl Benzene
 Concen: 18.931 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

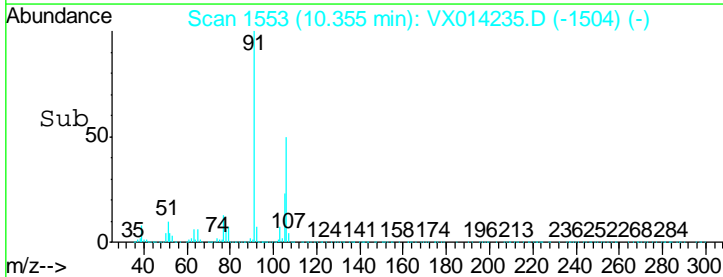
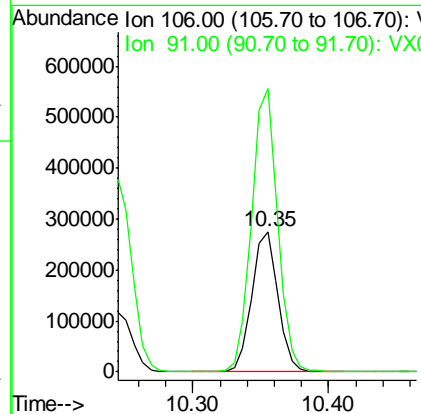
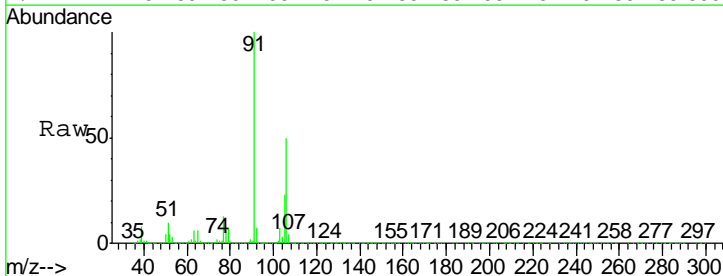
Tgt Ion	Resp	Lower	Upper
91	100		
106	31.1	25.0	37.6

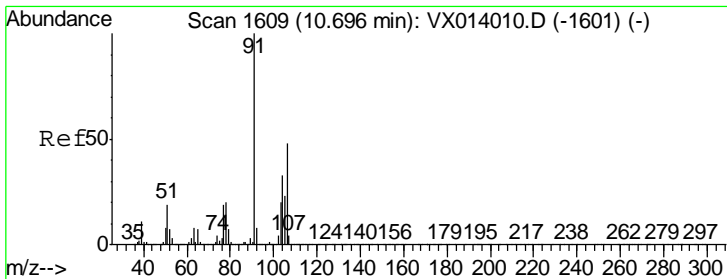
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#68
 m/p-Xylenes
 Concen: 37.122 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
106	100		
91	202.4	158.6	238.0



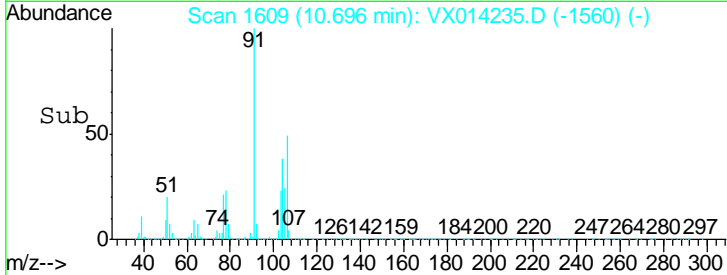
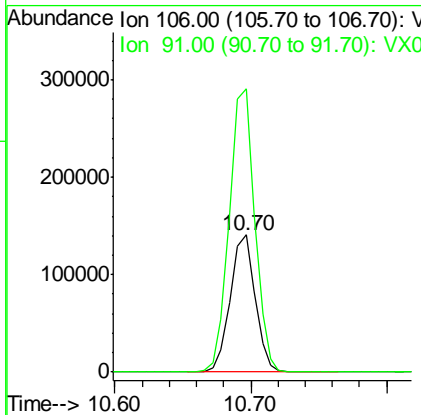
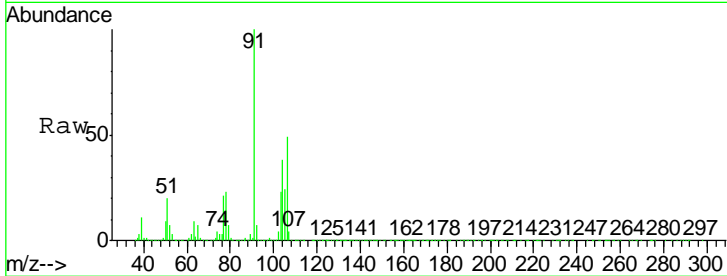


#69
 o-Xylene
 Concen: 18.397 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

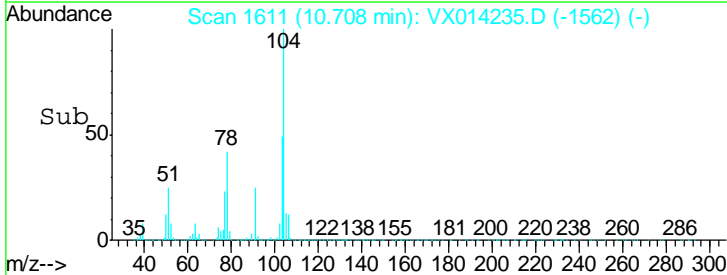
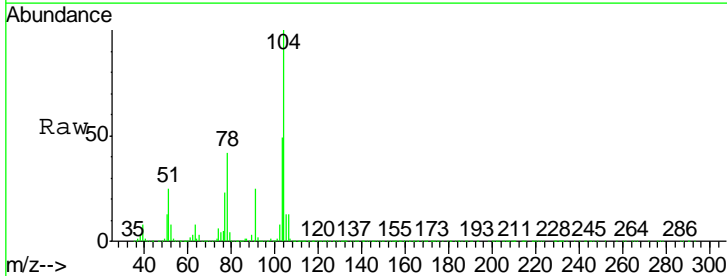
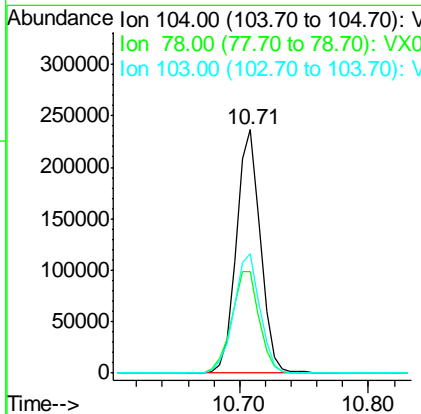
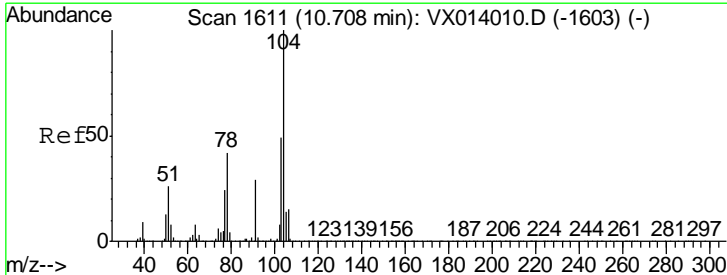
Tgt Ion	Resp	Lower	Upper
106	179860		
106	100		
91	211.4	104.2	312.6

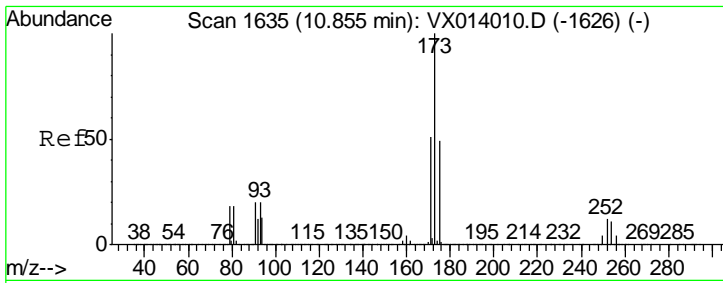
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#70
 Styrene
 Concen: 18.611 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

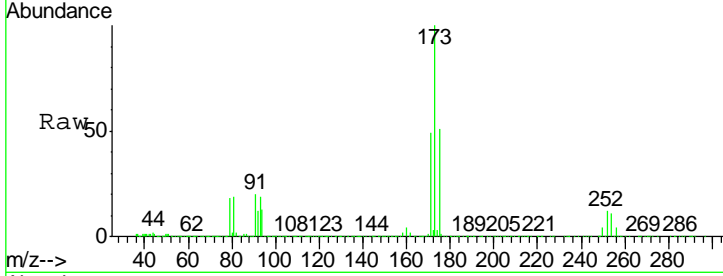
Tgt Ion	Resp	Lower	Upper
104	307672		
104	100		
78	48.0	38.5	57.7
103	53.5	42.9	64.3





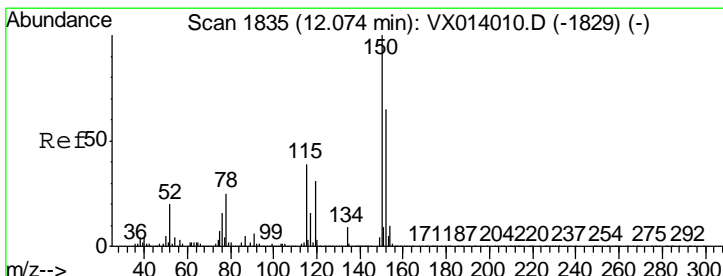
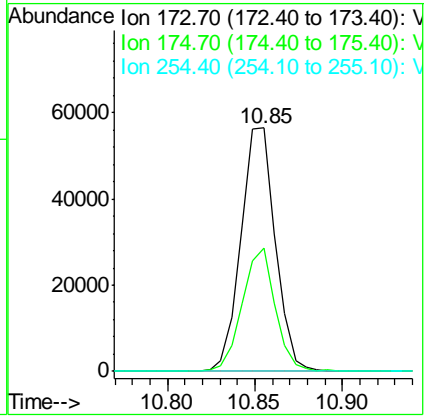
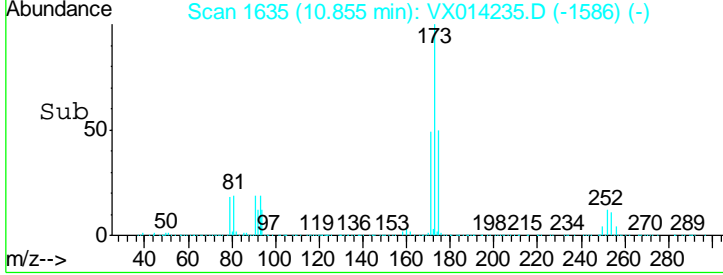
#71
 Bromoform
 Concen: 17.916 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument :
 MSVOA_X
 ClientSampled :
 VX1224WBS01

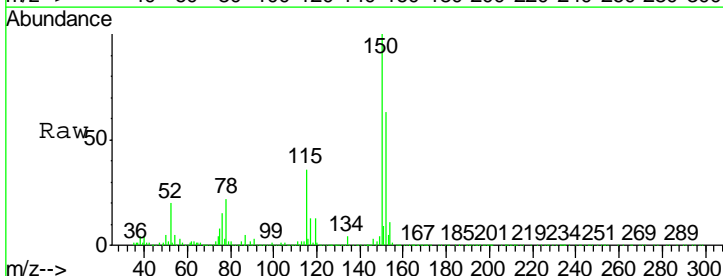


Tgt Ion	Resp	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.3	0.2	0.2

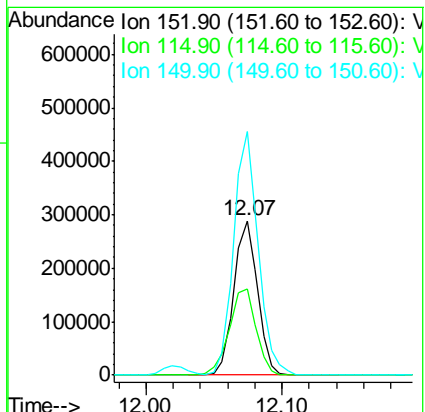
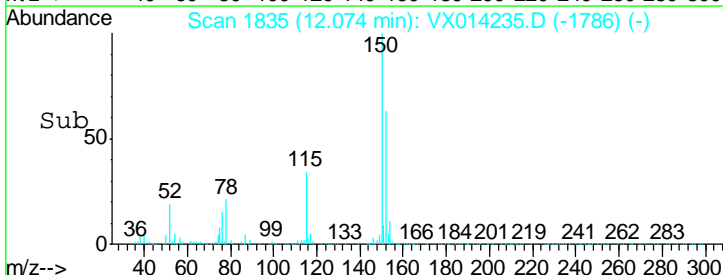
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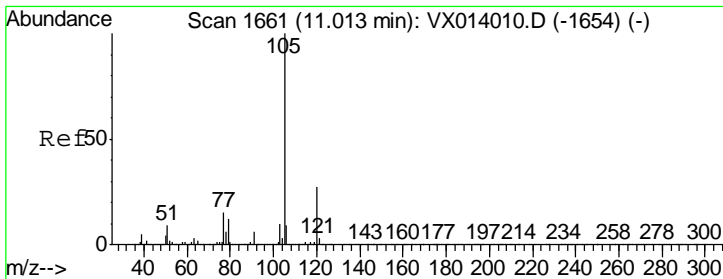


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09



Tgt Ion	Resp	Lower	Upper
152	100		
115	63.4	38.3	114.9
150	162.9	0.0	345.4



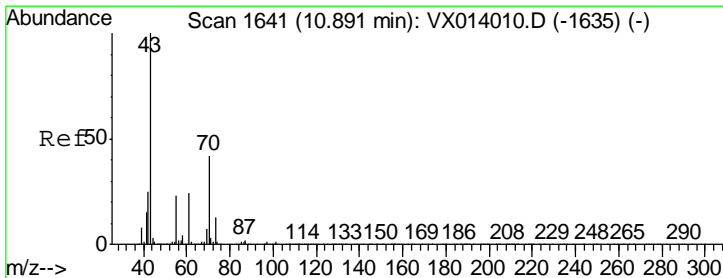
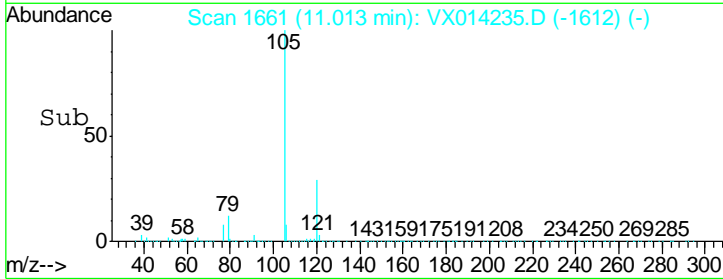
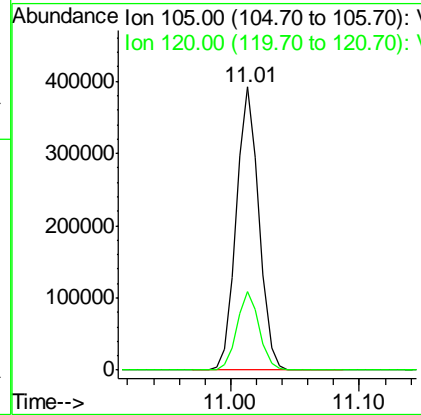
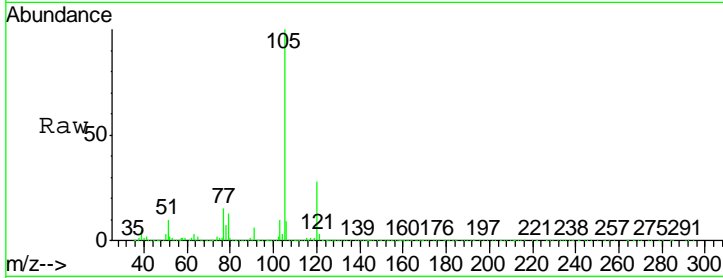


#73
 Isopropylbenzene
 Concen: 19.644 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 ClientSampled : VX1224WBS01

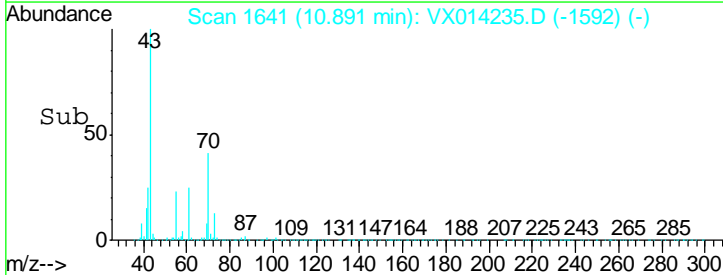
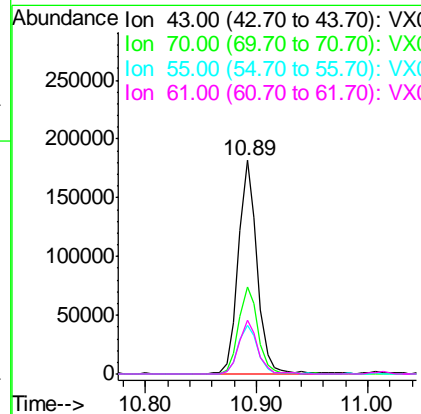
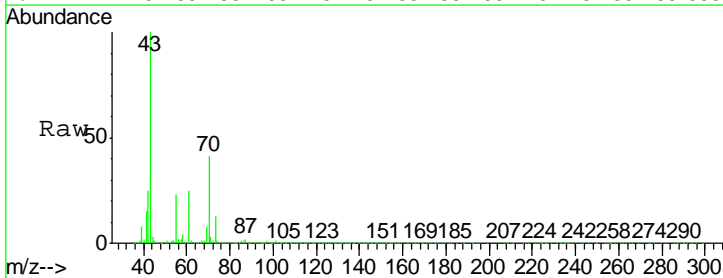
Tgt Ion	Resp	Lower	Upper
105	100		
120	27.2	13.5	40.4

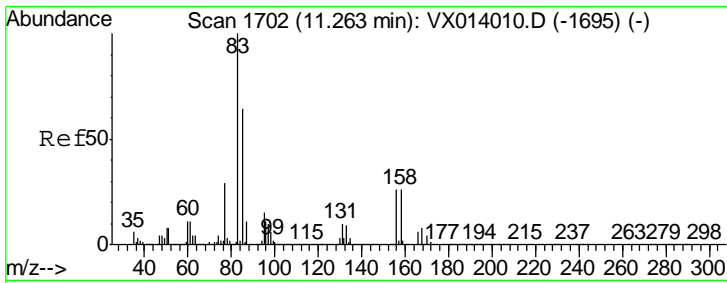
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#74
 N-ethyl acetate
 Concen: 18.293 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
43	100		
70	42.2	34.4	51.6
55	24.1	19.1	28.7
61	25.4	19.7	29.5



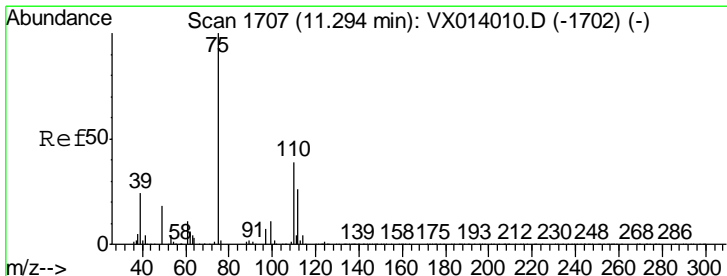
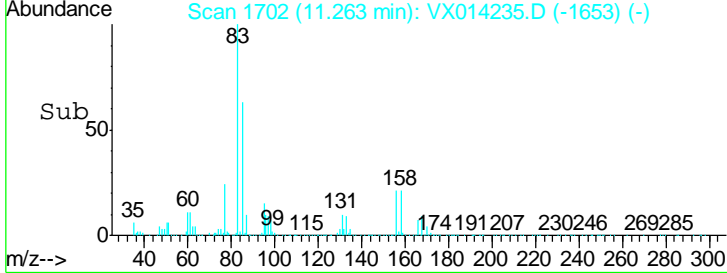
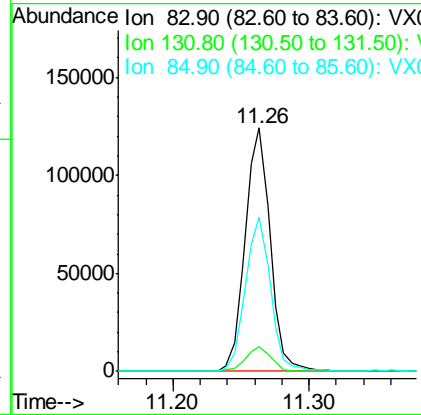
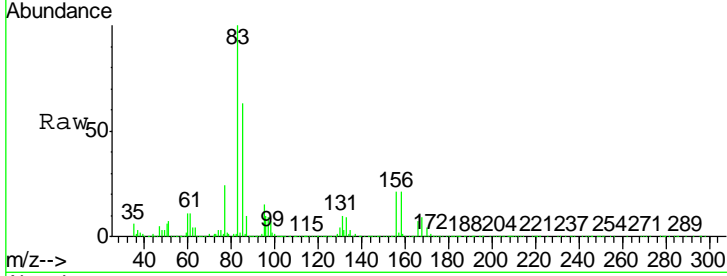


#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.709 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

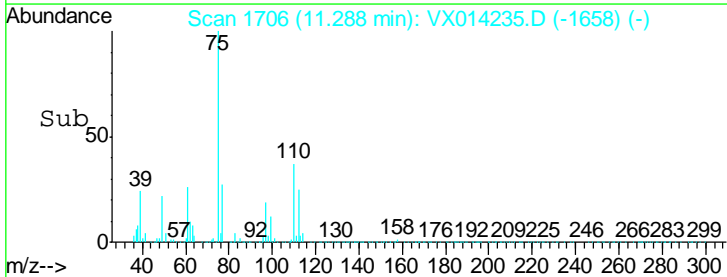
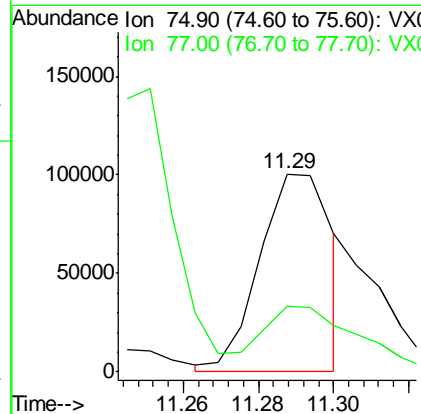
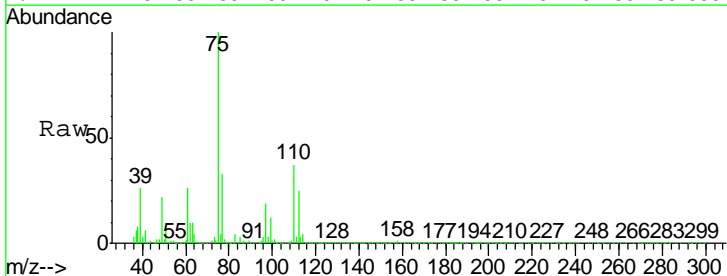
Tgt Ion	Resp	Lower	Upper
83	159424		
83	100		
131	10.1	5.1	15.2
85	64.2	31.9	95.7

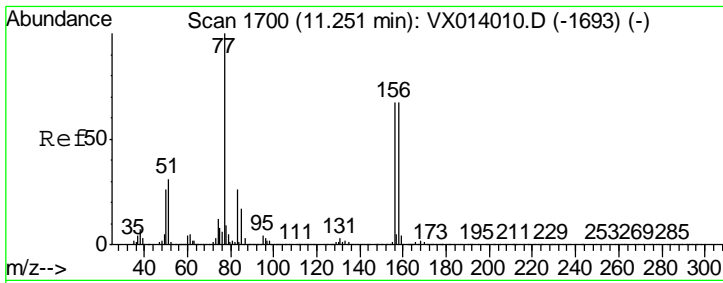
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#76
 1,2,3-Trichloropropane
 Concen: 17.599 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
75	133374		
75	100		
77	44.9	19.3	57.8



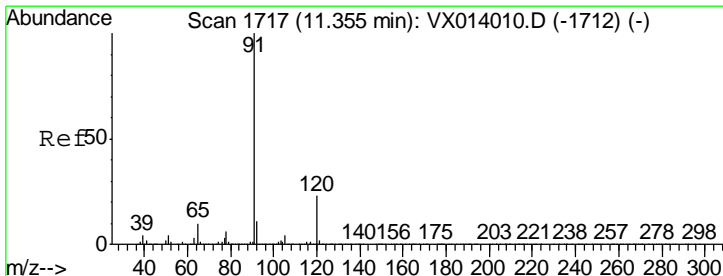
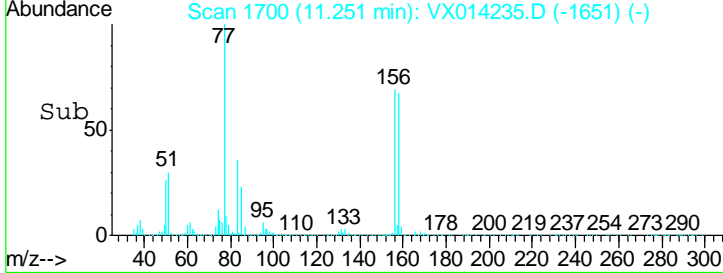
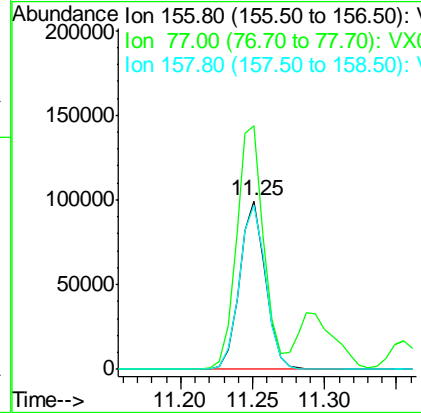
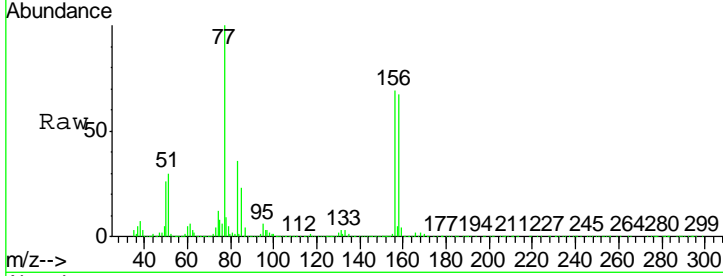


#77
 Bromobenzene
 Concen: 18.408 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

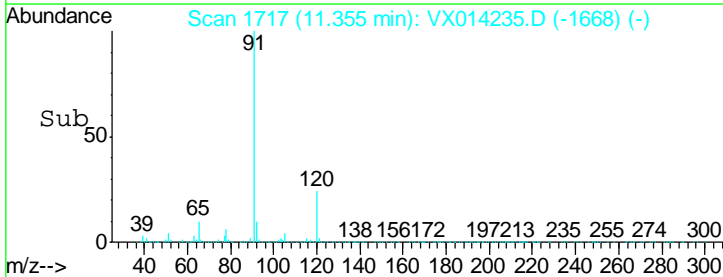
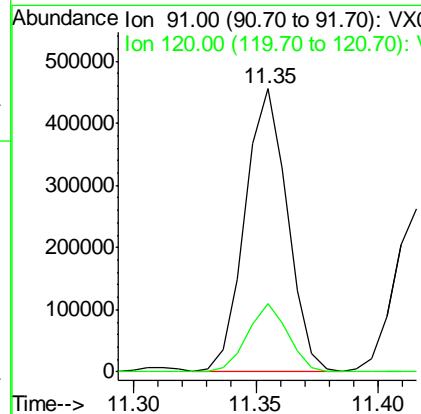
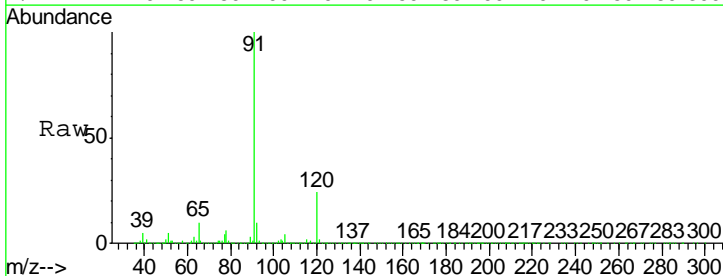
Tgt Ion	Resp	Lower	Upper
156	124482		
77	150.3	76.5	229.5
158	99.5	49.3	147.9

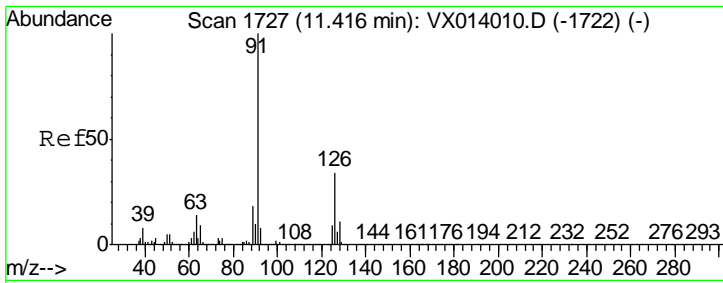
Manual Integrations
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#78
 n-propylbenzene
 Concen: 19.794 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
91	545698		
120	23.4	11.7	35.0



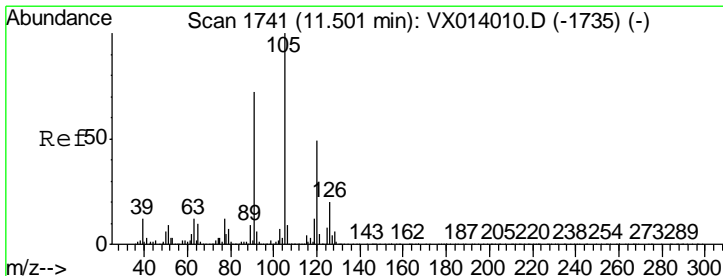
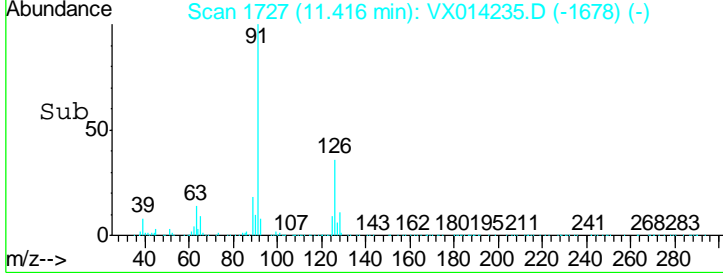
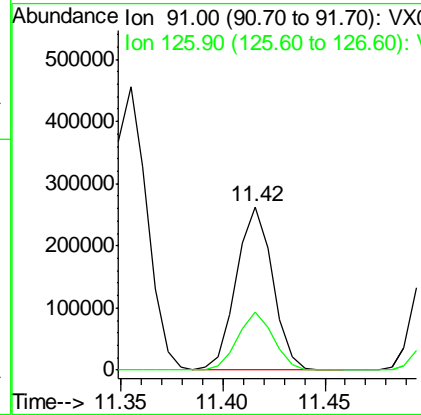
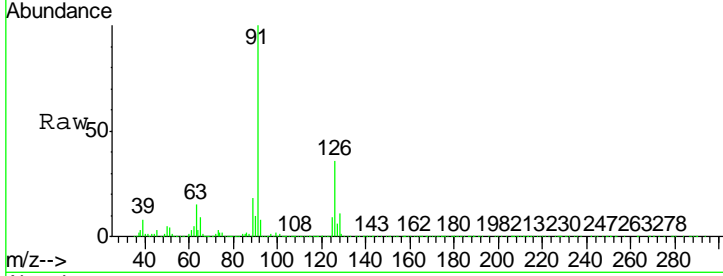


#79
 2-Chlorotoluene
 Concen: 19.150 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

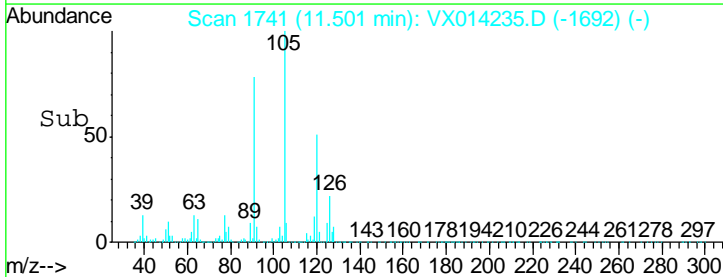
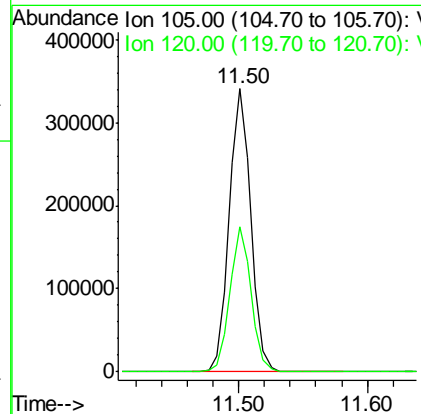
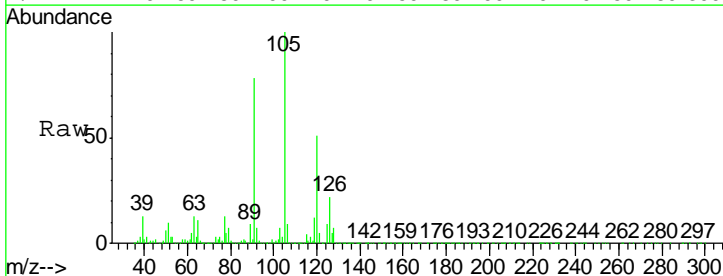
Tgt Ion	Resp	Lower	Upper
91	320917	100	
126	35.4	17.2	51.6

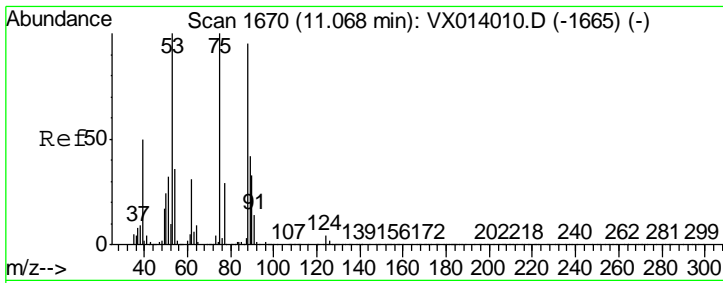
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.468 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
105	402700	100	
120	50.1	25.3	75.8



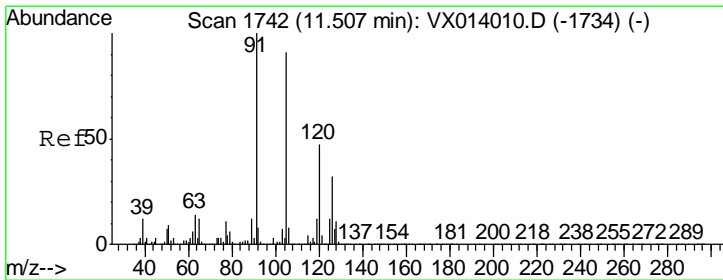
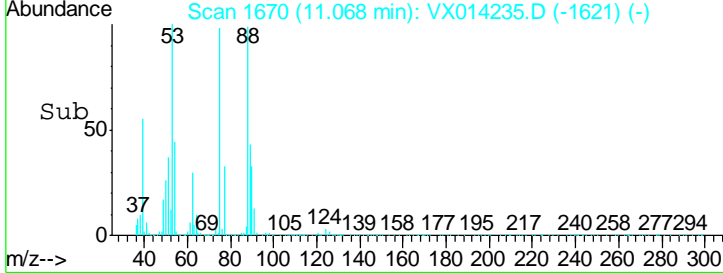
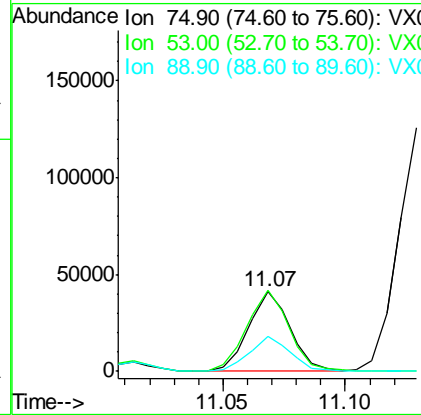
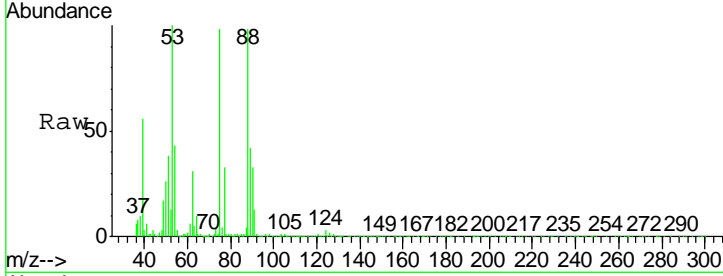


#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.867 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

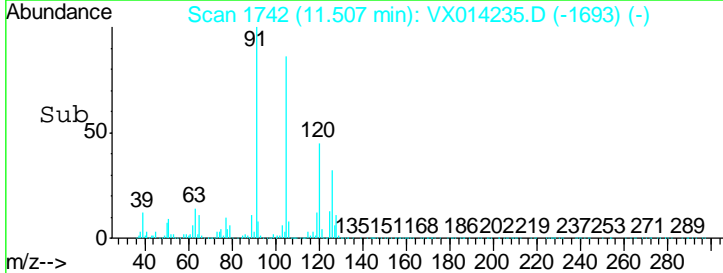
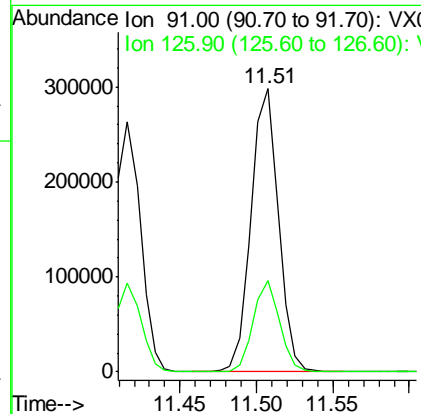
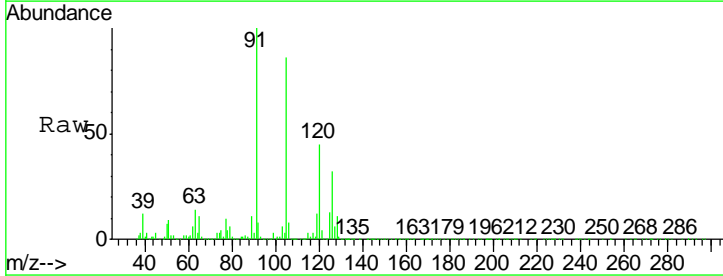
Tgt Ion	Resp	Lower	Upper
75	47972		
75	100		
53	103.3	76.7	115.1
89	44.5	34.6	51.8

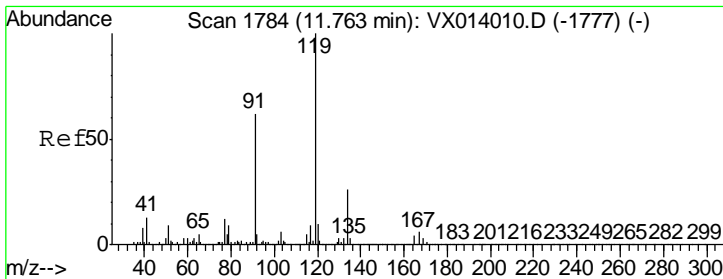
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#82
 4-Chlorotoluene
 Concen: 19.050 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
91	370320		
91	100		
126	30.8	15.6	46.8



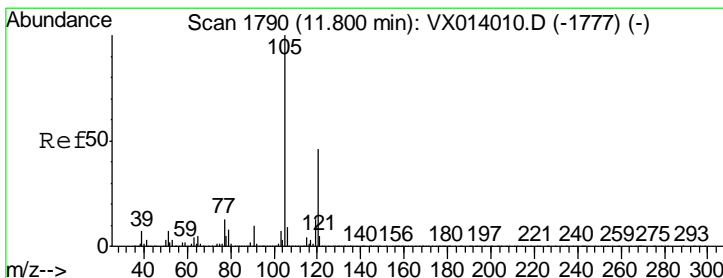
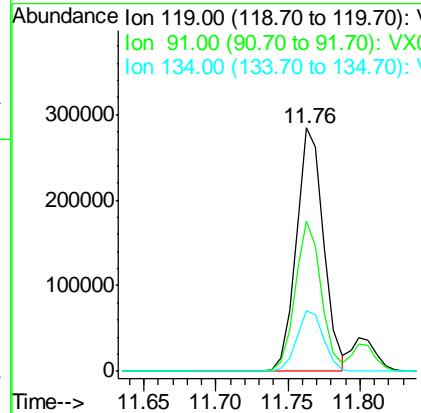
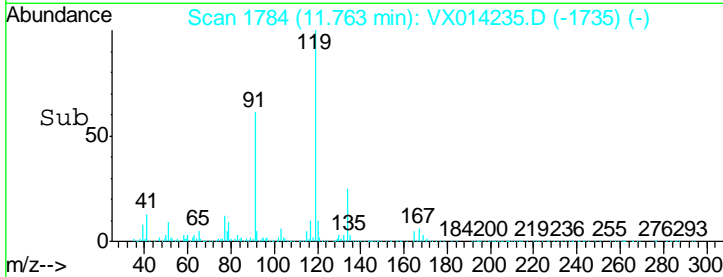
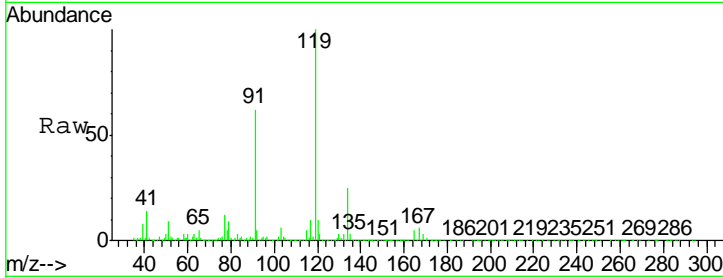


#83
 tert-Butylbenzene
 Concen: 18.706 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

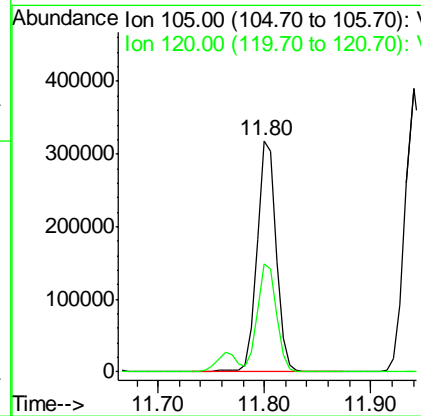
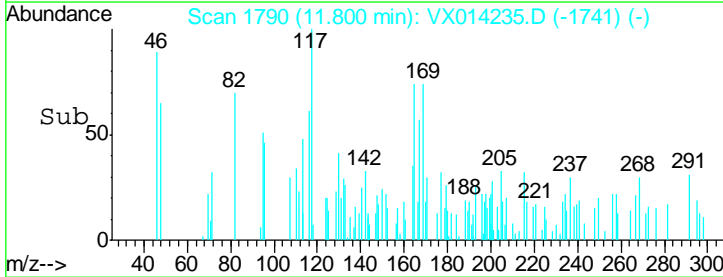
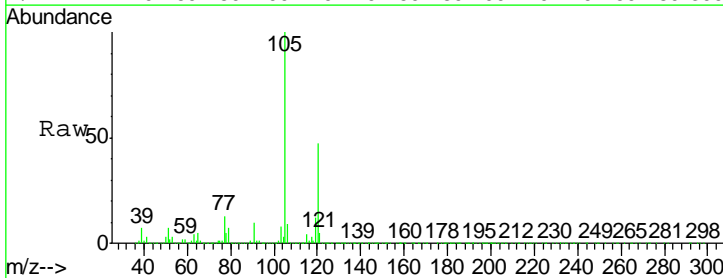
Tgt Ion	Resp	Lower	Upper
119	376556		
91	59.0	28.5	85.6
134	24.6	12.2	36.6

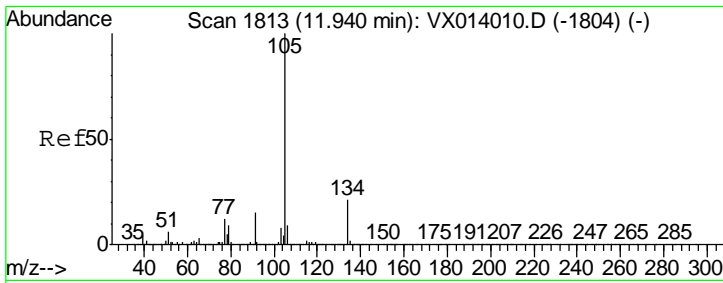
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.311 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

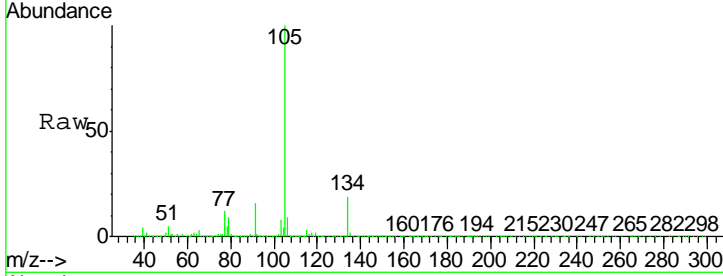
Tgt Ion	Resp	Lower	Upper
105	400017		
120	46.3	23.1	69.2





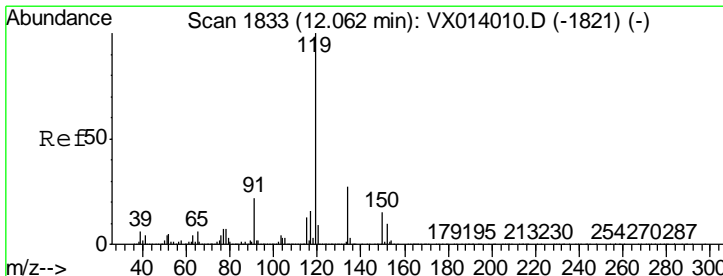
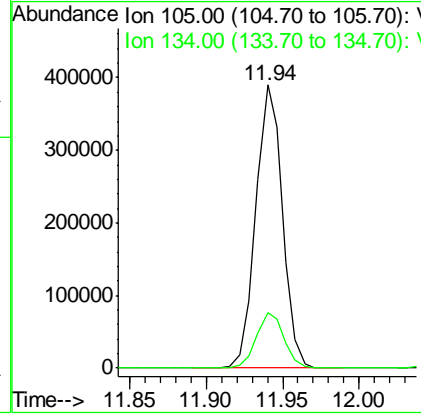
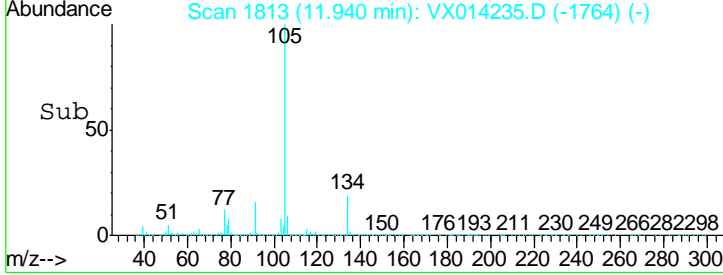
#85
 sec-Butylbenzene
 Concen: 19.813 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

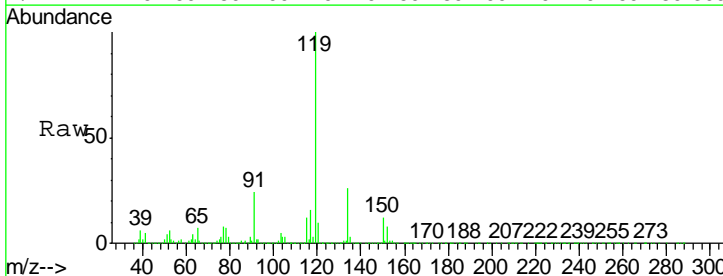


Tgt Ion	Resp	Lower	Upper
105	470842		
134	20.3	10.4	31.1

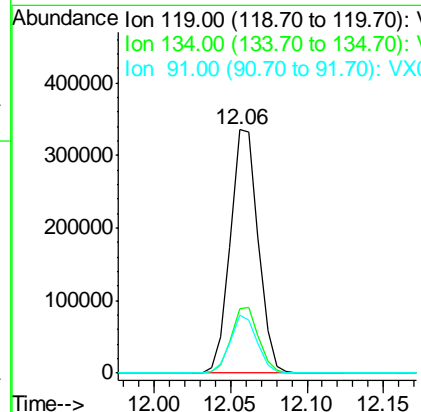
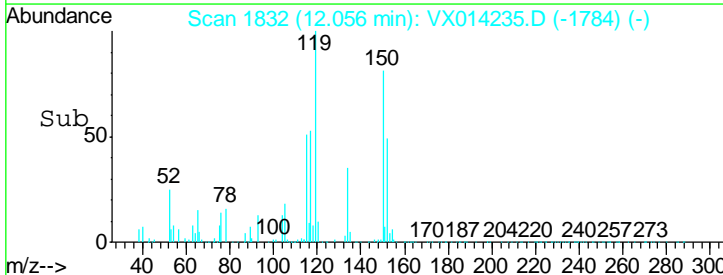
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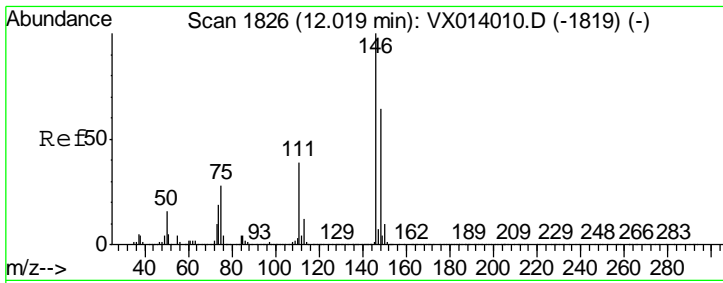


#86
 p-Isopropyltoluene
 Concen: 19.480 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09



Tgt Ion	Resp	Lower	Upper
119	423450		
134	26.7	13.4	40.1
91	22.9	11.4	34.1



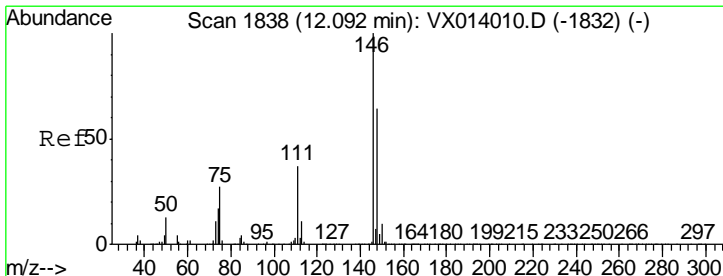
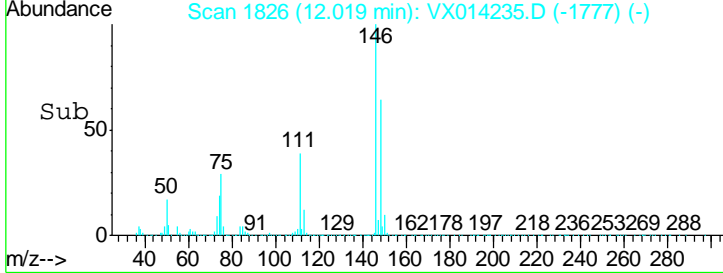
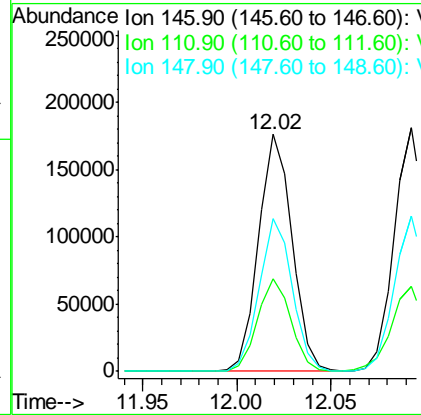
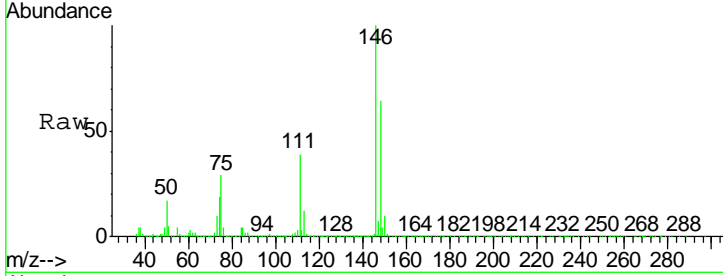


#87
 1,3-Dichlorobenzene
 Concen: 18.339 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

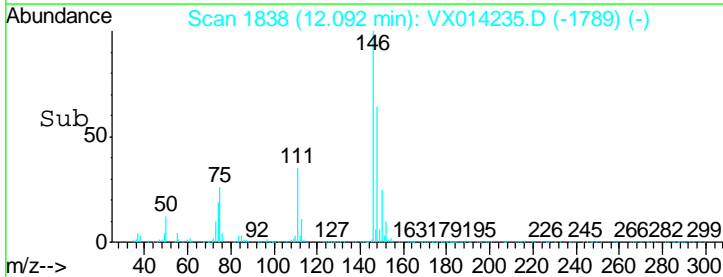
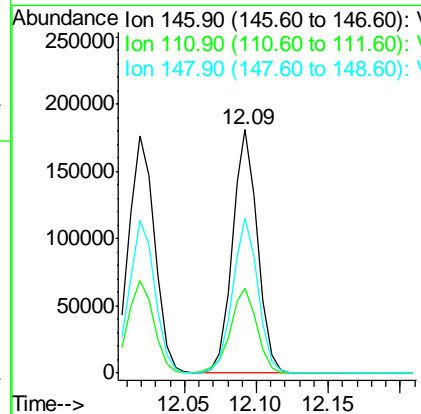
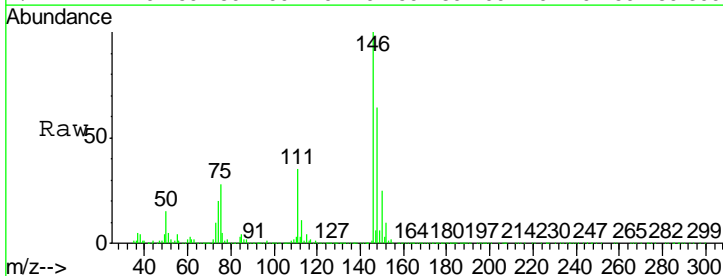
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	63.5	32.3	96.9

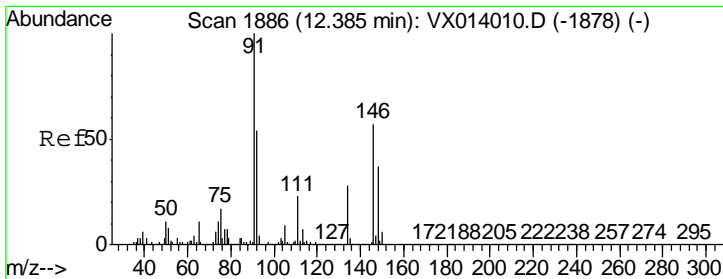
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#88
 1,4-Dichlorobenzene
 Concen: 18.276 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	64.2	31.9	95.9



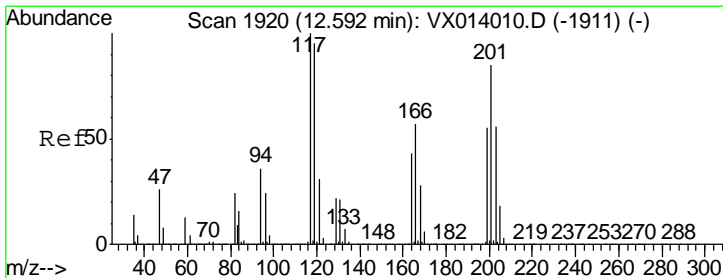
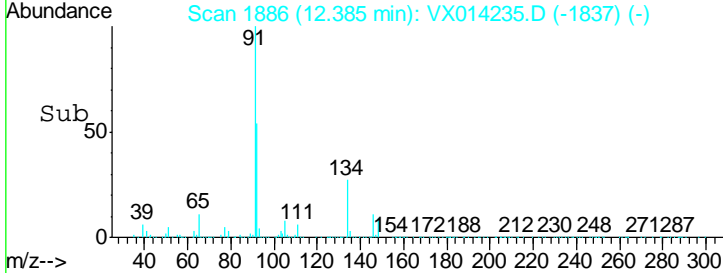
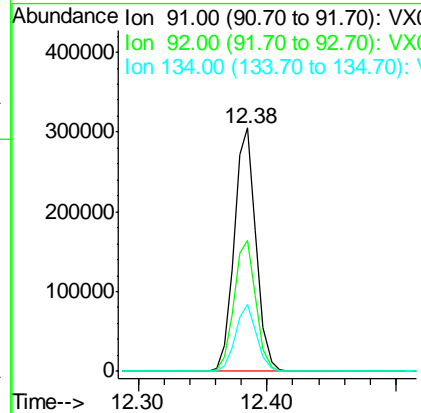
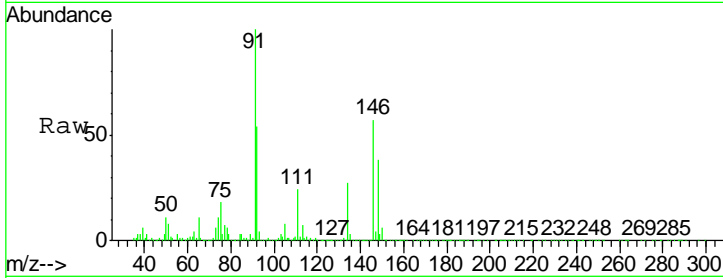


#89
 n-Butylbenzene
 Concen: 19.496 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

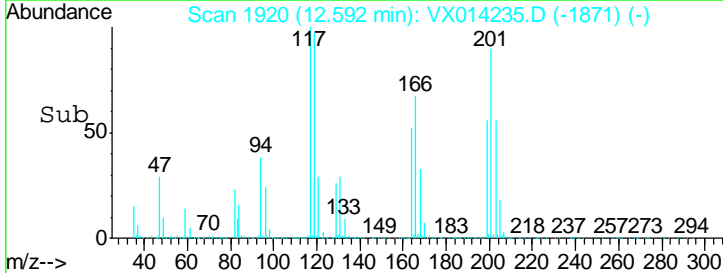
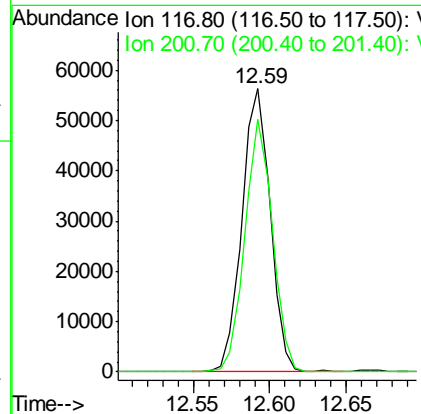
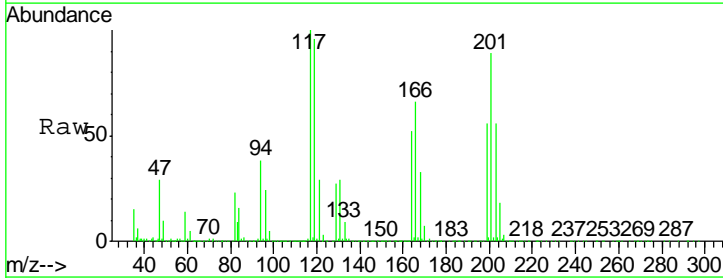
Tgt Ion	Resp	Lower	Upper
91	100		
92	53.9	27.2	81.6
134	26.6	13.4	40.1

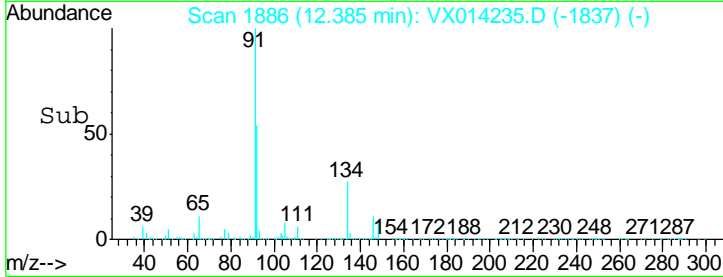
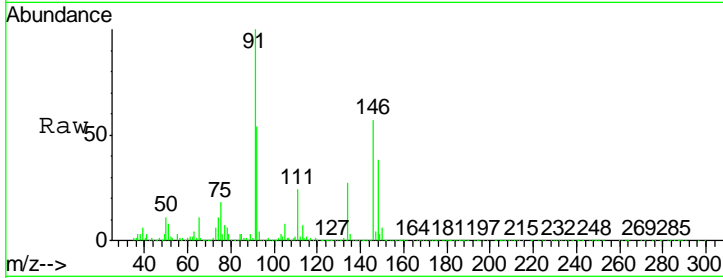
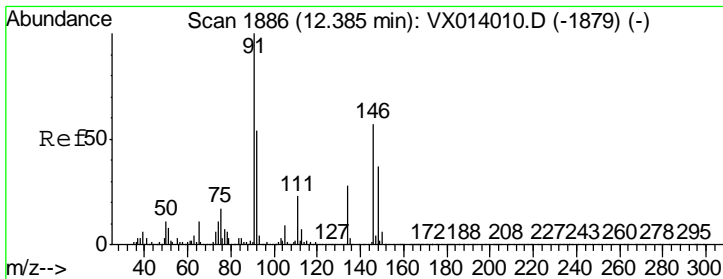
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#90
 Hexachloroethane
 Concen: 18.431 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
117	100		
201	87.6	43.1	129.3



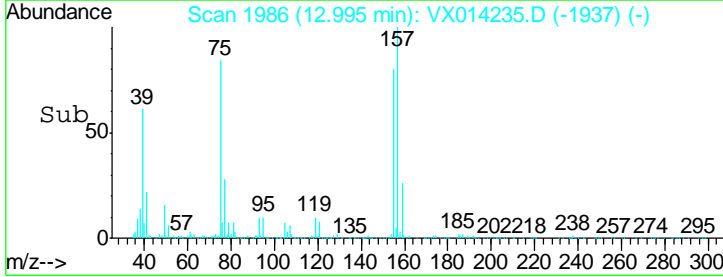
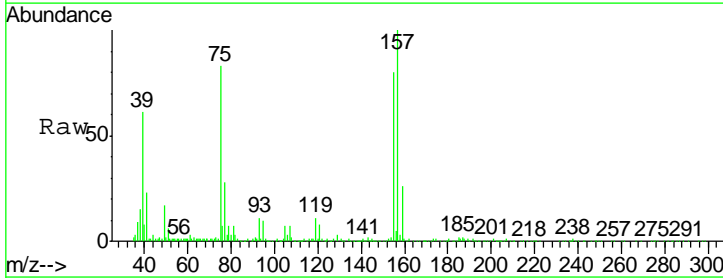
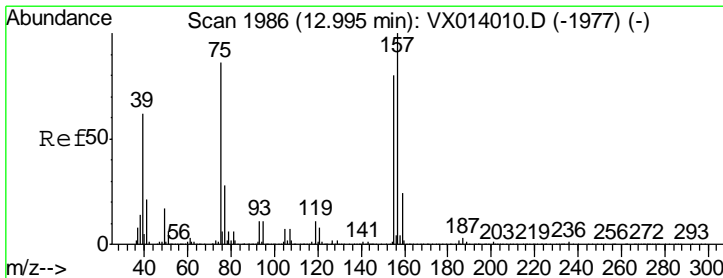
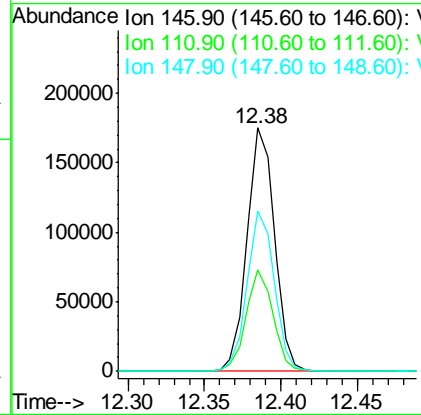


#91
 1,2-Dichlorobenzene
 Concen: 18.320 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
146	218566		
146	100		
111	40.5	19.7	59.1
148	64.8	32.1	96.5

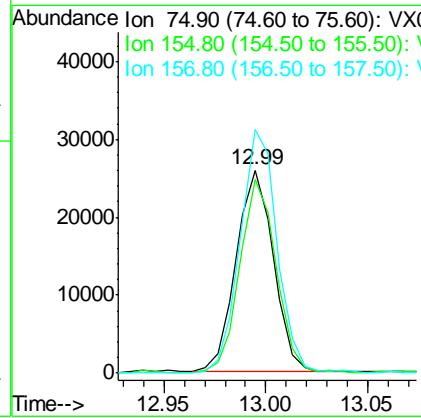
Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

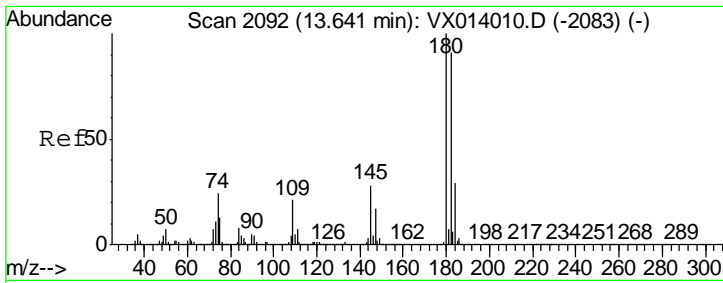
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.300 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

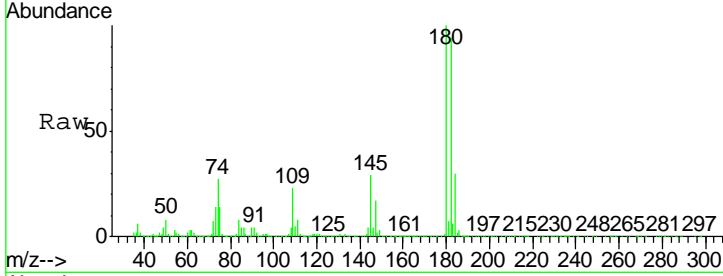
Tgt Ion	Resp	Lower	Upper
75	32622		
75	100		
155	93.4	46.9	140.6
157	121.3	60.8	182.4





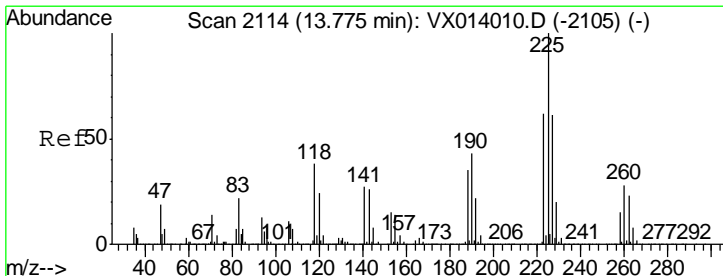
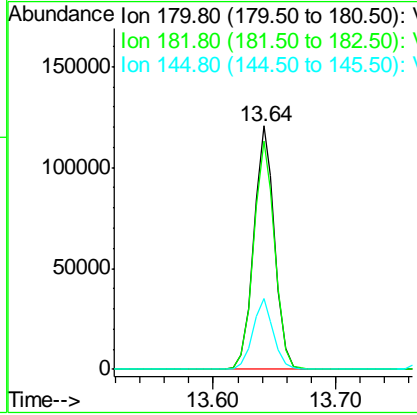
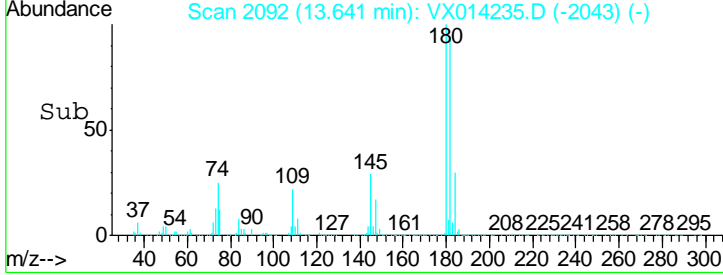
#93
 1,2,4-Trichlorobenzene
 Concen: 18.505 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

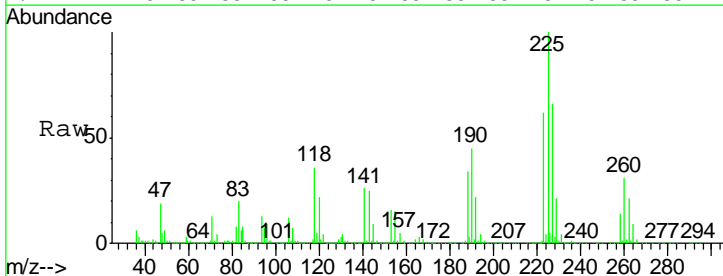


Tgt Ion	Resp	Lower	Upper
180	100		
182	95.6	46.6	139.8
145	28.5	14.2	42.6

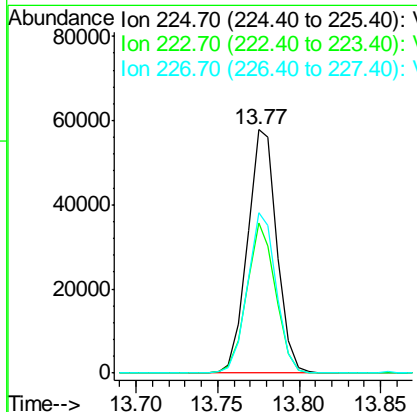
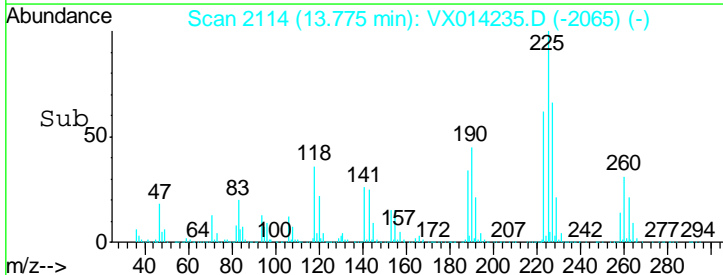
Manual Integrations
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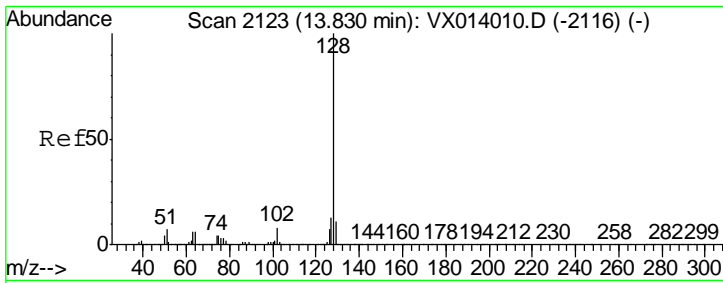


#94
 Hexachlorobutadiene
 Concen: 19.511 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09



Tgt Ion	Resp	Lower	Upper
225	100		
223	60.4	30.9	92.5
227	64.5	30.9	92.7



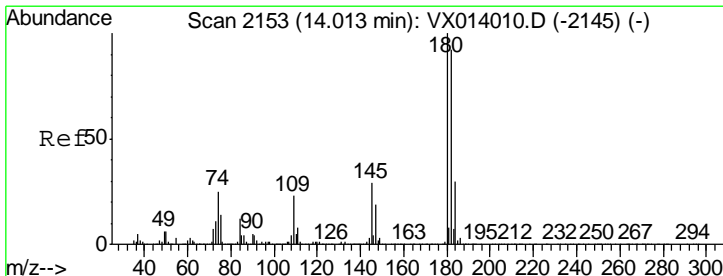
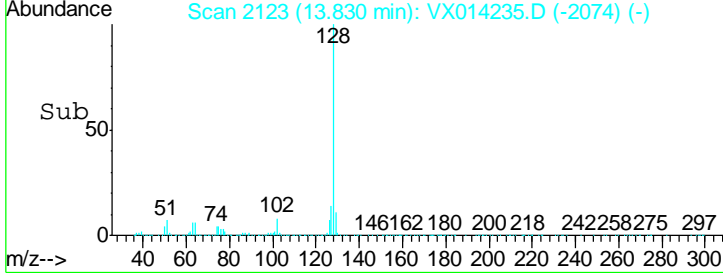
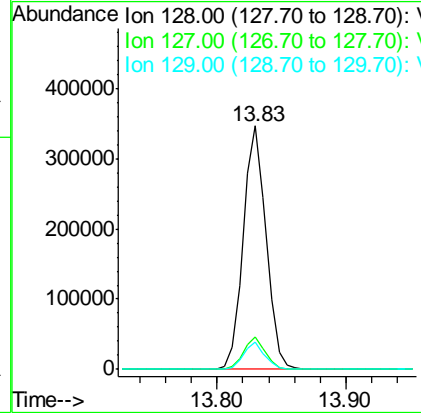
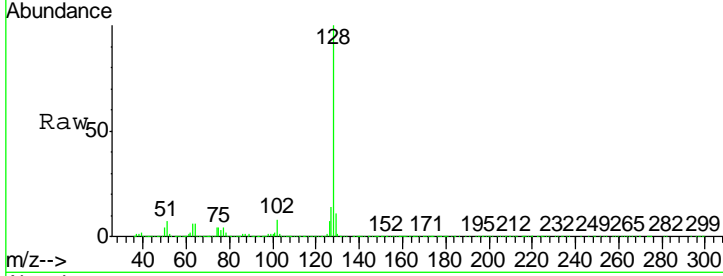


#95
 Naphthalene
 Concen: 18.601 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Instrument : MSVOA_X
 Client Sampled : VX1224WBS01

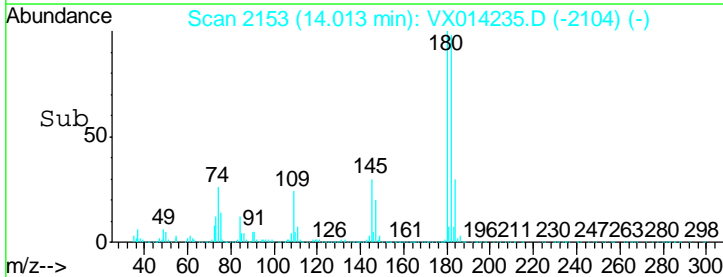
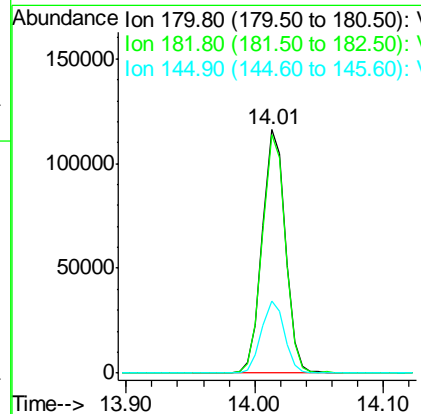
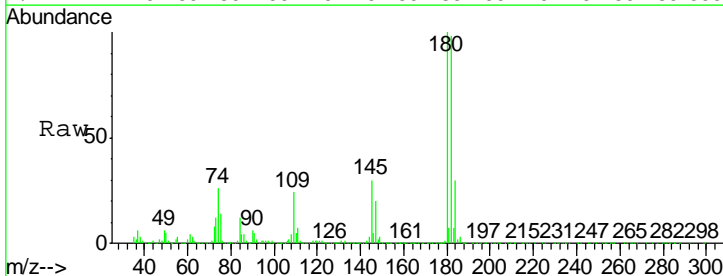
Tgt Ion	Resp	Lower	Upper
128	423778		
127	12.8	10.2	15.4
129	10.7	8.7	13.1

Manual Integrations
APPROVED
 apatel
 12/26/2019 9:24:21 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 18.694 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014235.D
 Acq: 24 Dec 2019 11:09

Tgt Ion	Resp	Lower	Upper
180	143098		
182	97.5	46.8	140.3
145	30.2	14.8	44.4





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1226WBS01	SDG No.:	K6405
Lab Sample ID:	VX1226WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014262.D	1		12/26/19 12:18	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.8		0.22	1.00	ug/L
74-87-3	Chloromethane	18.5		0.30	1.00	ug/L
75-01-4	Vinyl Chloride	18.3		0.16	1.00	ug/L
74-83-9	Bromomethane	15.7		2.10	5.00	ug/L
75-00-3	Chloroethane	20.2		0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.6		0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.18	1.00	ug/L
67-64-1	Acetone	75.3		0.90	5.00	ug/L
75-15-0	Carbon Disulfide	17.9		0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.070	1.00	ug/L
79-20-9	Methyl Acetate	20.6		0.65	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.9		0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.17	1.00	ug/L
110-82-7	Cyclohexane	19.3		1.20	5.00	ug/L
78-93-3	2-Butanone	91.3		0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.30	1.00	ug/L
74-97-5	Bromochloromethane	22.7		0.31	1.00	ug/L
67-66-3	Chloroform	20.1		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.2		0.12	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.17	1.00	ug/L
71-43-2	Benzene	19.7		0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.9		0.13	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.14	1.00	ug/L
75-27-4	Bromodichloromethane	19.9		0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.85	5.00	ug/L
108-88-3	Toluene	19.3		0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.6		0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.16	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1226WBS01	SDG No.:	K6405
Lab Sample ID:	VX1226WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014262.D	1		12/26/19 12:18	VX122619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.1		0.12	1.00	ug/L
591-78-6	2-Hexanone	94.1		1.40	5.00	ug/L
124-48-1	Dibromochloromethane	19.7		0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.15	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.080	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.20	2.00	ug/L
95-47-6	o-Xylene	19.4		0.13	1.00	ug/L
100-42-5	Styrene	19.3		0.11	1.00	ug/L
75-25-2	Bromoform	19.1		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	20.7		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.0		0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.7		0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.5		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		61 - 141	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		69 - 133	104%	SPK: 50
2037-26-5	Toluene-d8	52.2		65 - 126	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		58 - 135	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	496000	5.65			
540-36-3	1,4-Difluorobenzene	753000	6.85			
3114-55-4	Chlorobenzene-d5	673000	10.1			
3855-82-1	1,4-Dichlorobenzene-d4	331000	12.07			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VX1226WBS01	SDG No.:	K6405
Lab Sample ID:	VX1226WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014262.D	1		12/26/19 12:18	VX122619

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

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014262.D
 Acq On : 26 Dec 2019 12:18
 Operator : JC/SP
 Sample : VX1226WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX1226WBS01

Manual Integrations
 APPROVED
 apatel
 12/27/2019 12:03:06 PM

Quant Time: Dec 27 06:42:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	495545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	752803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	673248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	285175	50.78	ug/l	0.00
Spiked Amount			50.000			
Recovery	= 101.56%					
35) Dibromofluoromethane	5.49	113	237507	51.90	ug/l	0.00
Spiked Amount			50.000			
Recovery	= 103.80%					
50) Toluene-d8	8.71	98	929682	52.18	ug/l	0.00
Spiked Amount			50.000			
Recovery	= 104.36%					
62) 4-Bromofluorobenzene	11.13	95	320922	49.28	ug/l	0.00
Spiked Amount			50.000			
Recovery	= 98.56%					

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	78897	17.796	ug/l	95
3) Chloromethane	1.32	50	110357	18.549	ug/l	97
4) Vinyl Chloride	1.40	62	114932	18.308	ug/l	100
5) Bromomethane	1.63	94	69935	15.696	ug/l	98
6) Chloroethane	1.72	64	78249	20.195	ug/l	96
7) Trichlorofluoromethane	1.92	101	152352	19.604	ug/l	99
8) Diethyl Ether	2.18	74	68140	18.682	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	93777	20.018	ug/l	99
10) Methyl Iodide	2.50	142	100292	18.004	ug/l	98
11) Tert butyl alcohol	3.02	59	113121	93.214	ug/l	98
12) 1,1-Dichloroethene	2.36	96	91332	19.160	ug/l	100
13) Acrolein	2.28	56	63080	90.805	ug/l	98
14) Allyl chloride	2.72	41	170294	20.009	ug/l	98
15) Acrylonitrile	3.12	53	286560	101.168	ug/l	100
16) Acetone	2.43	43	274439	75.267	ug/l	98
17) Carbon Disulfide	2.56	76	229753	17.851	ug/l	99
18) Methyl Acetate	2.76	43	148843	20.601	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	308955	19.724	ug/l	95
20) Methylene Chloride	2.84	84	107929	18.797	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	99139	18.878	ug/l	94
22) Diisopropyl ether	3.84	45	352345	20.775	ug/l	94
23) Vinyl Acetate	3.80	43	1460293	105.508	ug/l	98
24) 1,1-Dichloroethane	3.69	63	182560	19.347	ug/l	99
25) 2-Butanone	4.65	43	410217	91.254	ug/l	100
26) 2,2-Dichloropropane	4.57	77	143568	19.596	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	114154	19.220	ug/l	99
28) Bromochloromethane	5.00	49	81569	22.727	ug/l	97
29) Tetrahydrofuran	5.11	42	259164	103.074	ug/l	98
30) Chloroform	5.20	83	179570	20.075	ug/l	98
31) Cyclohexane	5.57	56	161618	19.258	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	146443	19.209	ug/l	99
36) 1,1-Dichloropropene	5.79	75	135199	19.573	ug/l	99
37) Ethyl Acetate	4.81	43	152478	19.990	ug/l	98
38) Carbon Tetrachloride	5.77	117	125107	19.882	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014262.D
 Acq On : 26 Dec 2019 12:18
 Operator : JC/SP
 Sample : VX1226WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX1226WBS01

Manual Integrations
 APPROVED

apatel
 12/27/2019 12:03:06 PM

Quant Time: Dec 27 06:42:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	162007	18.995	ug/l	94
40) Benzene	6.13	78	418830	19.707	ug/l	99
41) Methacrylonitrile	5.02	41	83879	19.819	ug/l	98
42) 1,2-Dichloroethane	6.18	62	143192	19.876	ug/l	100
43) Isopropyl Acetate	6.43	43	250063	19.809	ug/l	99
44) Trichloroethene	7.20	130	113489	19.333	ug/l	98
45) 1,2-Dichloropropane	7.50	63	109123	20.032	ug/l	98
46) Dibromomethane	7.65	93	66872	18.568	ug/l	99
47) Bromodichloromethane	7.89	83	134942	19.894	ug/l	99
48) Methyl methacrylate	7.76	41	123608	19.997	ug/l	99
49) 1,4-Dioxane	7.73	88	51185	406.900	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	794829	100.259	ug/l	99
52) Toluene	8.78	92	259406	19.310	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	145607	19.577	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	164674	19.874	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	108475	20.148	ug/l	99
56) Ethyl methacrylate	9.17	69	162666	19.234	ug/l	99
57) 1,3-Dichloropropane	9.37	76	181131	19.996	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	329092	102.823	ug/l	98
59) 2-Hexanone	9.48	43	600449	94.087	ug/l	98
60) Dibromochloromethane	9.57	129	105650	19.741	ug/l	100
61) 1,2-Dibromoethane	9.67	107	110604	20.078	ug/l	99
64) Tetrachloroethene	9.33	164	118884	19.956	ug/l	97
65) Chlorobenzene	10.13	112	276575	19.321	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	101780	19.913	ug/l	100
67) Ethyl Benzene	10.25	91	487987	19.828	ug/l	99
68) m/p-Xylenes	10.35	106	373462	39.455	ug/l	100
69) o-Xylene	10.69	106	179744	19.362	ug/l	99
70) Styrene	10.71	104	303329	19.323	ug/l	99
71) Bromoform	10.85	173	78308	19.060	ug/l	100
73) Isopropylbenzene	11.01	105	481488	20.656	ug/l	99
74) N-amyl acetate	10.89	43	206789	18.925	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	162121	20.061	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	153254m	21.322	ug/l	
77) Bromobenzene	11.25	156	123012	19.180	ug/l	100
78) n-propylbenzene	11.35	91	544178	20.813	ug/l	100
79) 2-Chlorotoluene	11.42	91	321338	20.218	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	401471	20.464	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48864	19.189	ug/l	95
82) 4-Chlorotoluene	11.51	91	369231	20.027	ug/l	99
83) tert-Butylbenzene	11.76	119	376568	19.724	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	400980	20.410	ug/l	99
85) sec-Butylbenzene	11.94	105	464690	20.618	ug/l	100
86) p-Isopropyltoluene	12.06	119	423489	20.541	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	217313	19.333	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	214734	18.788	ug/l	98
89) n-Butylbenzene	12.39	91	356805	20.283	ug/l	99
90) Hexachloroethane	12.59	117	73315	19.798	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	214772	18.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	31705	17.728	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014262.D
 Acq On : 26 Dec 2019 12:18
 Operator : JC/SP
 Sample : VX1226WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Manual Integrations
 APPROVED

apatel
 12/27/2019 12:03:06 PM

Quant Time: Dec 27 06:42:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	140822	19.148	ug/l	99
94) Hexachlorobutadiene	13.78	225	70656	19.990	ug/l	96
95) Naphthalene	13.83	128	411043	19.023	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	141224	19.453	ug/l	98

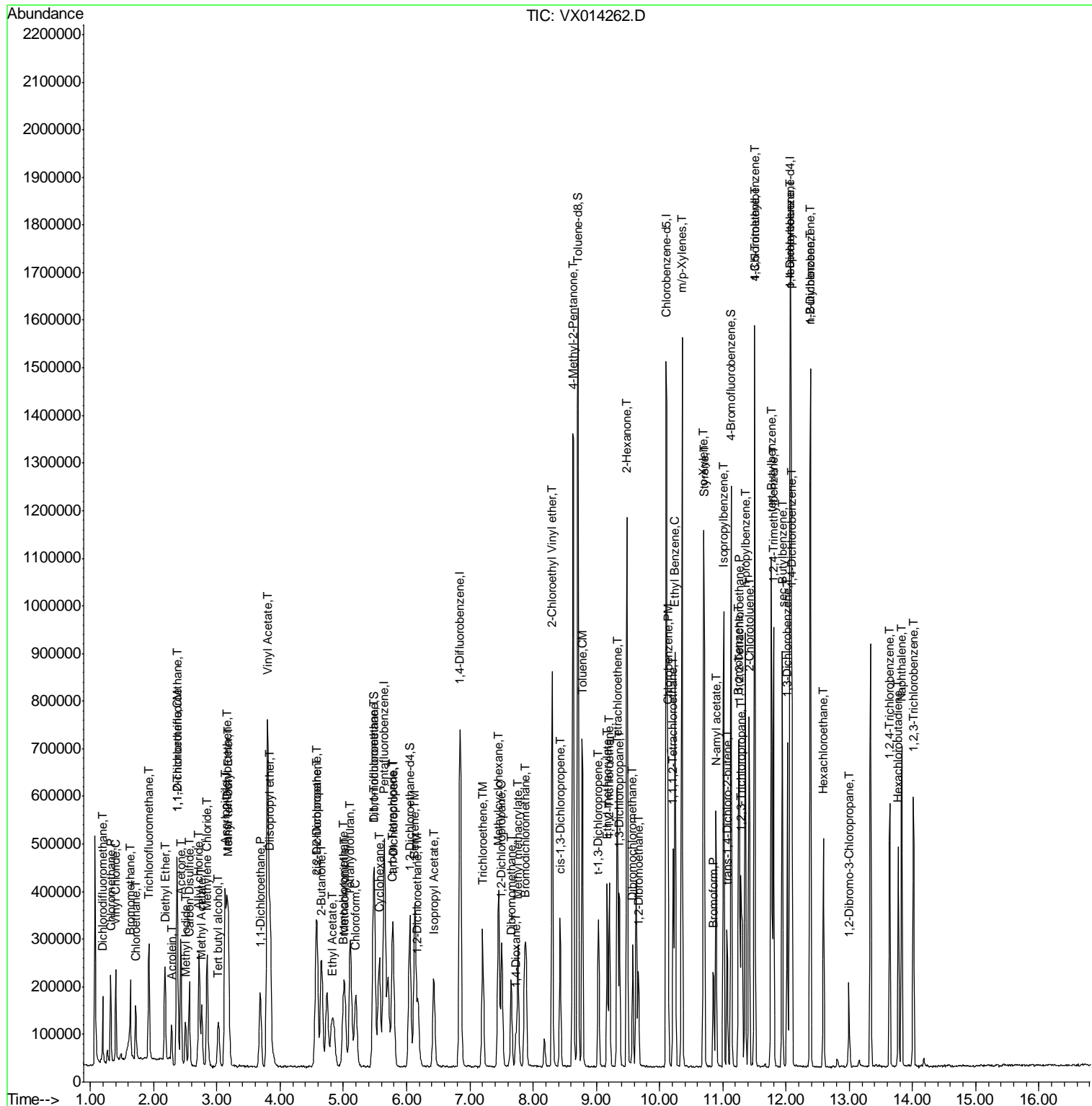
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\
 Data File : VX014262.D
 Acq On : 26 Dec 2019 12:18
 Operator : JC/SP
 Sample : VX1226WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

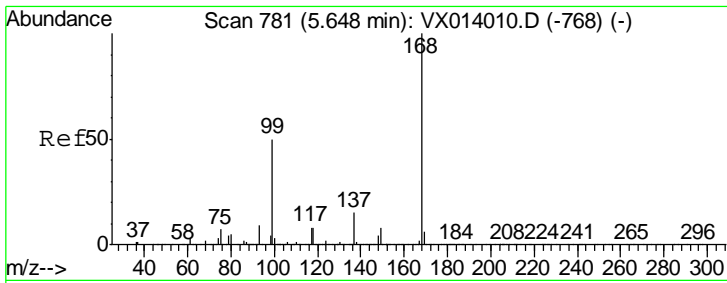
Instrument :
 MSVOA_X
 Client Sampled :
 VX1226WBS01

Manual Integrations
 APPROVED
 apatel
 12/27/2019 12:03:06 PM

Quant Time: Dec 27 06:42:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



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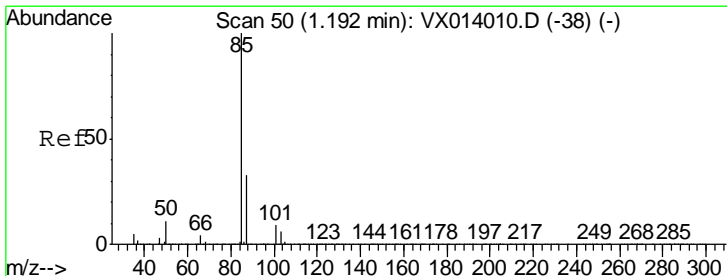
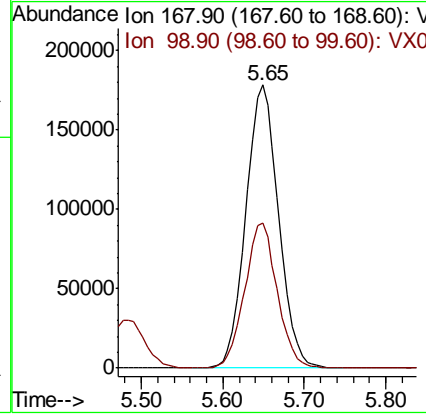
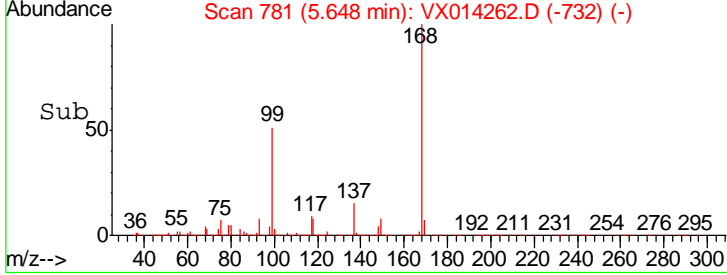
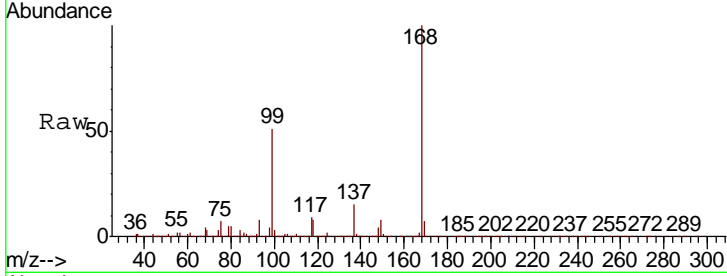


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
168	495545		
99	51.2	40.3	60.5

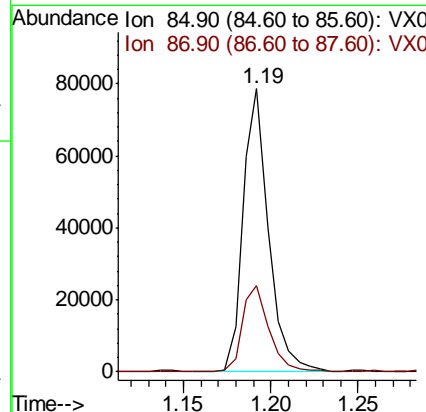
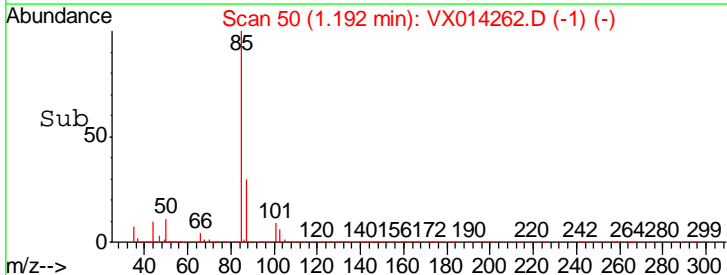
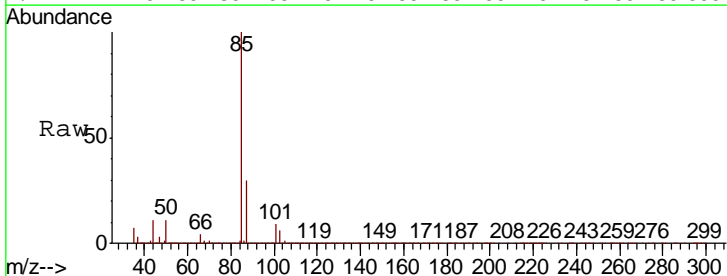
Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

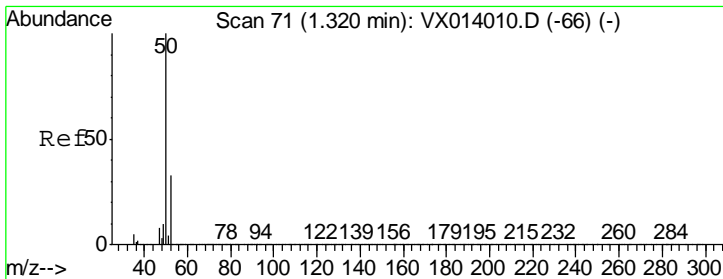
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#2
 Dichlorodifluoromethane
 Concen: 17.796 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
85	78897		
87	30.2	16.4	49.2



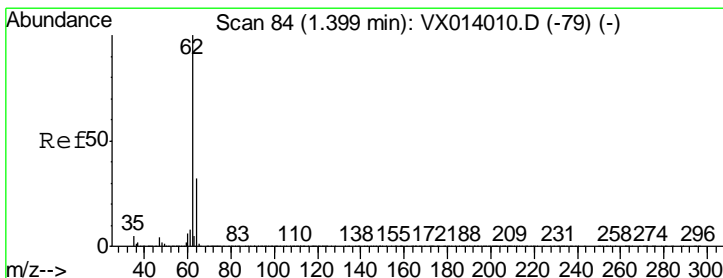
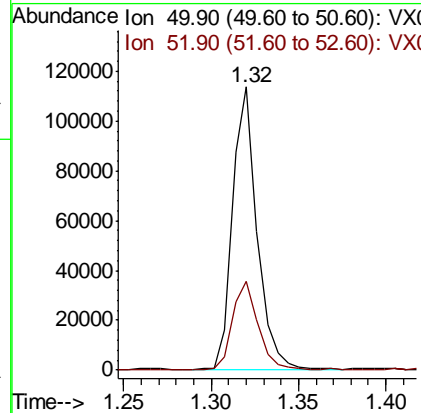
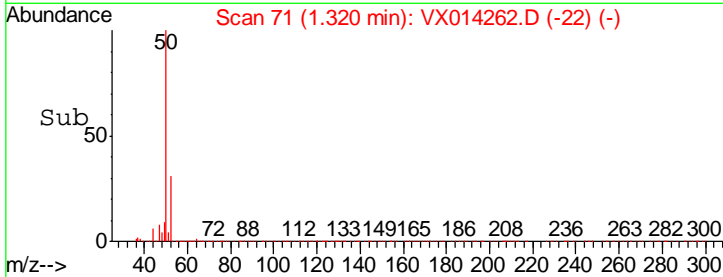
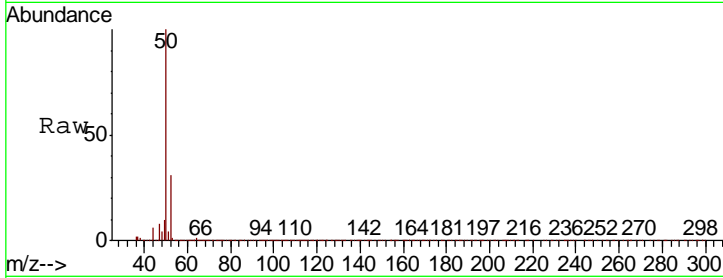


#3
 Chloromethane
 Concen: 18.549 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
50	110357		
52	30.9	26.2	39.4

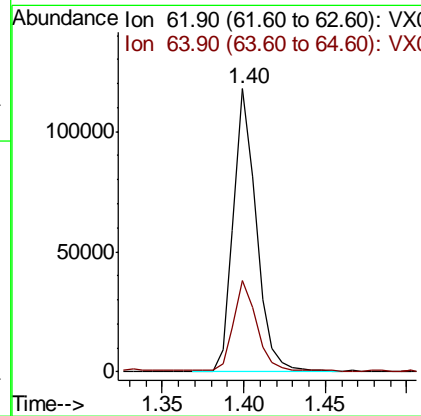
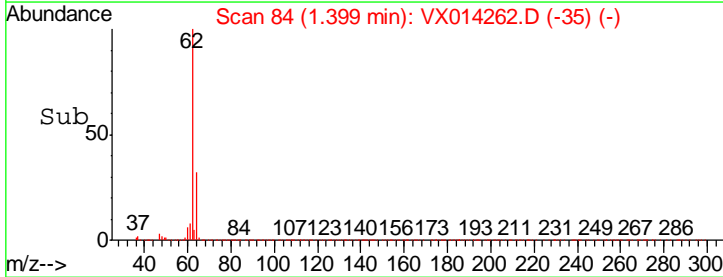
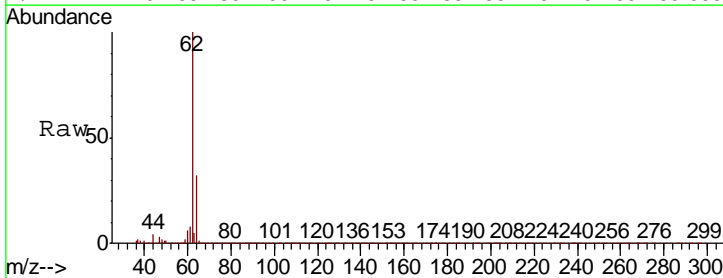
Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

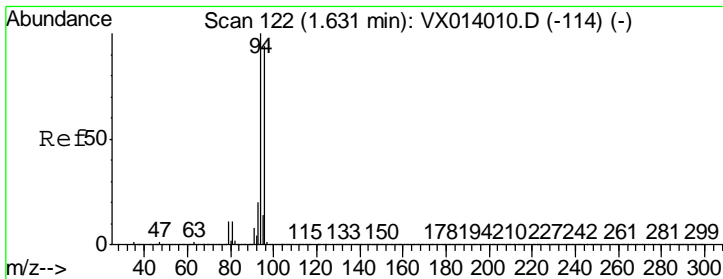
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#4
 Vinyl Chloride
 Concen: 18.308 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
62	114932		
64	32.2	25.7	38.5



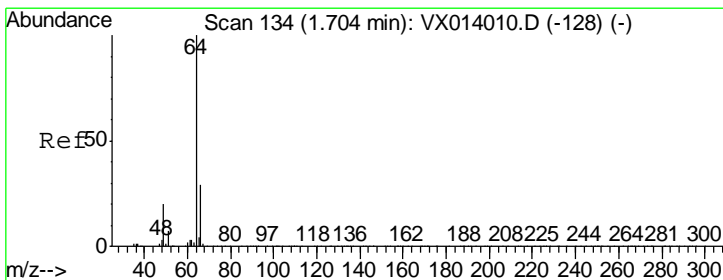
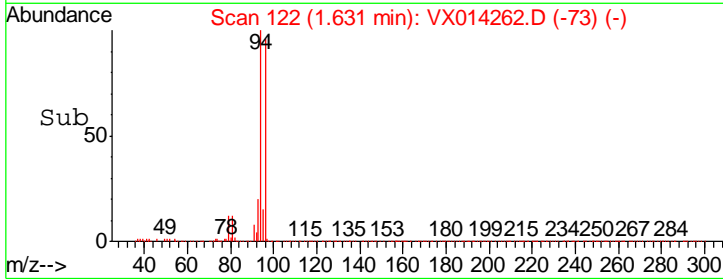
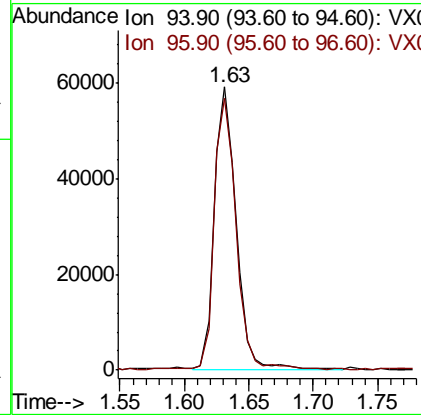
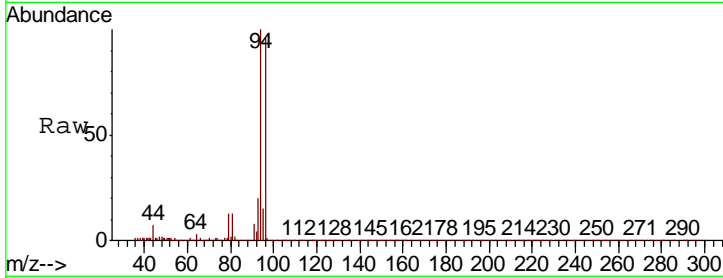


#5
 Bromomethane
 Concen: 15.696 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
94	100		
96	95.6	75.2	112.8

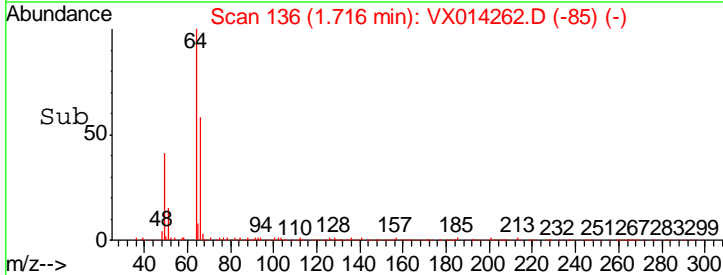
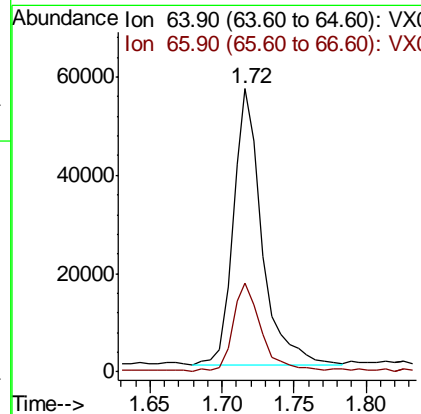
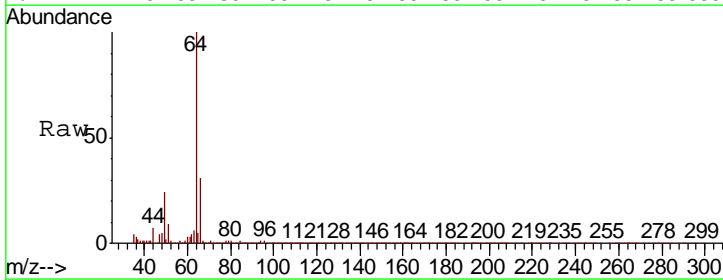
Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

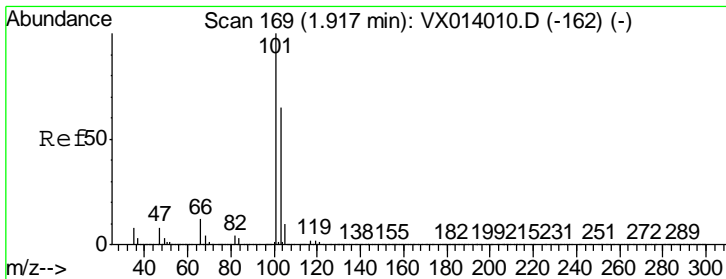
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#6
 Chloroethane
 Concen: 20.195 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.4	23.4	35.2



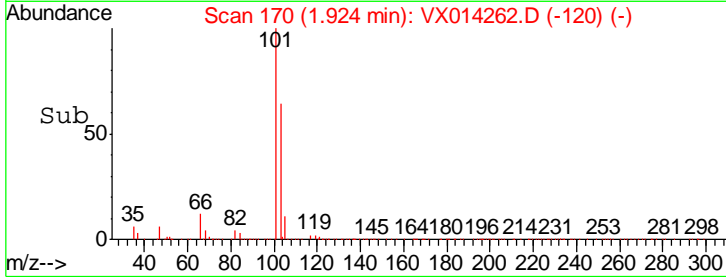
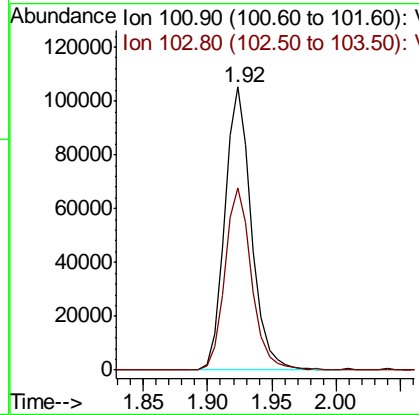
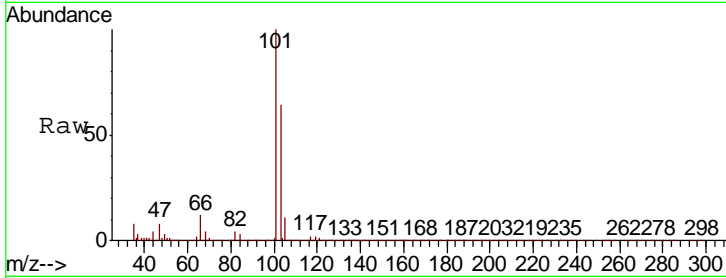


#7
 Trichlorofluoromethane
 Concen: 19.604 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

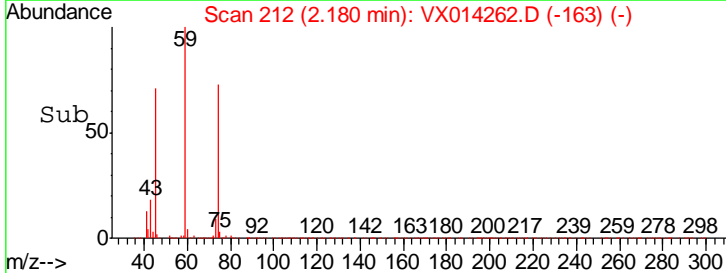
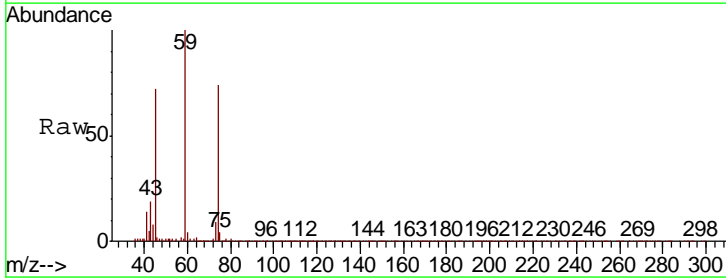
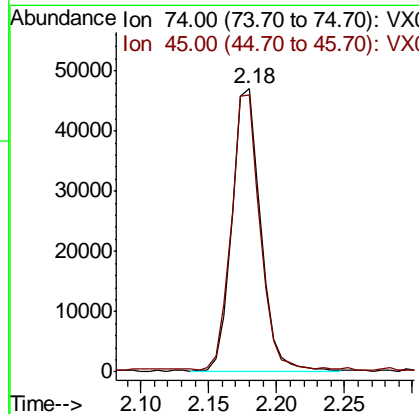
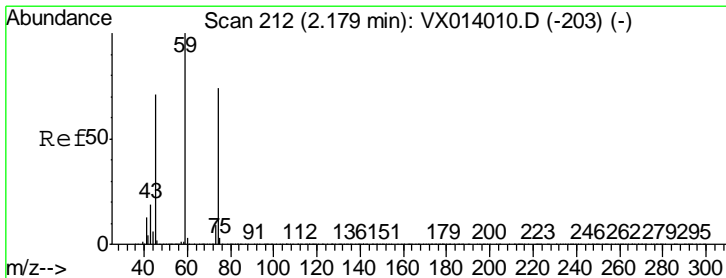
Tgt Ion	Resp	Lower	Upper
101	152352		
101	100		
103	64.3	52.2	78.4

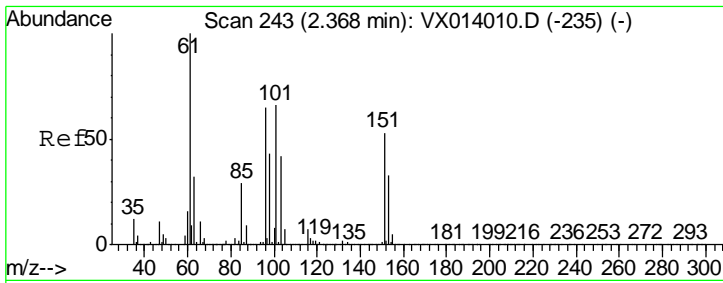
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#8
 Diethyl Ether
 Concen: 18.682 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
74	68140		
74	100		
45	98.0	48.1	144.3





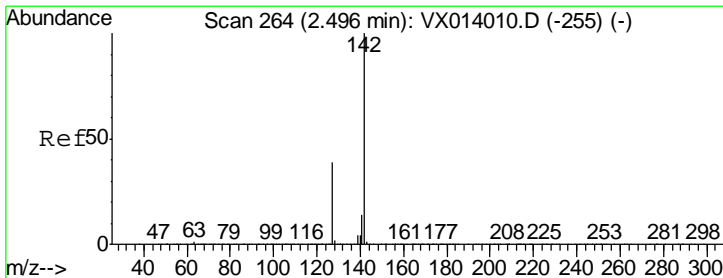
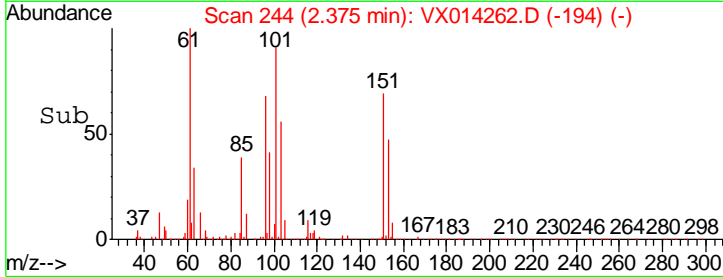
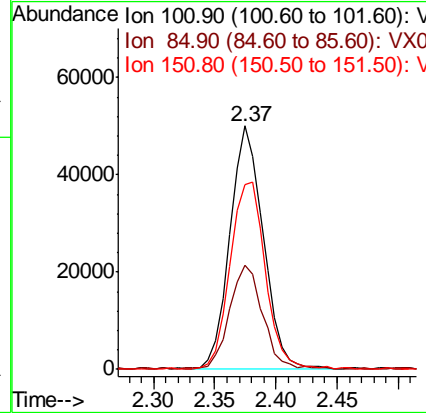
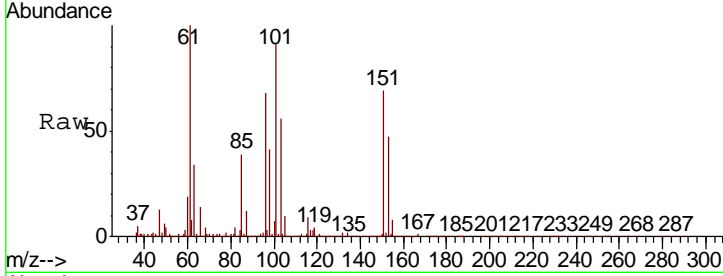
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.018 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
101	93777		
101	100		
85	42.6	33.7	50.5
151	82.2	64.5	96.7

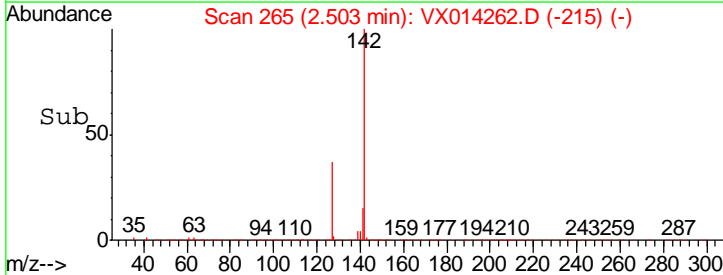
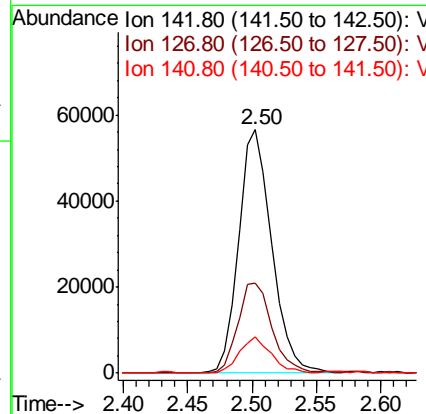
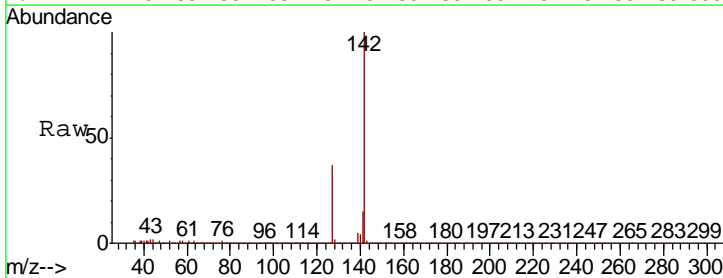
Manual Integrations
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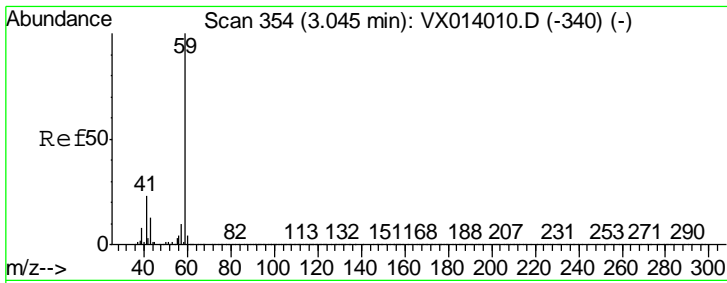
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#10
 Methyl Iodide
 Concen: 18.004 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
142	100292		
142	100		
127	38.0	31.6	47.4
141	14.6	11.6	17.4



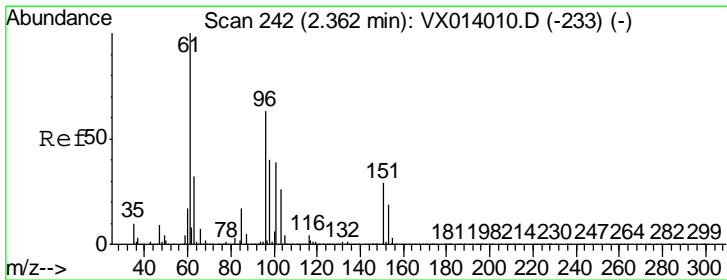
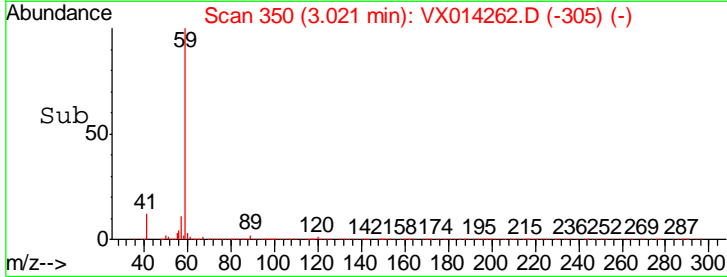
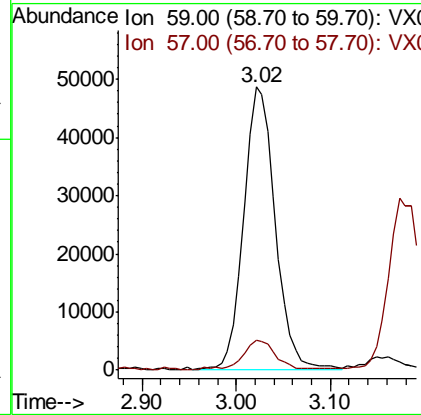
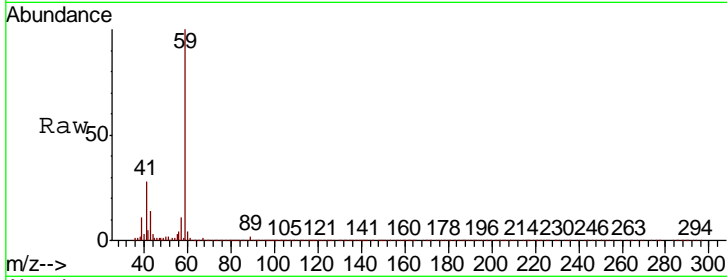


#11
 Tert butyl alcohol
 Concen: 93.214 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.8	8.4	12.6

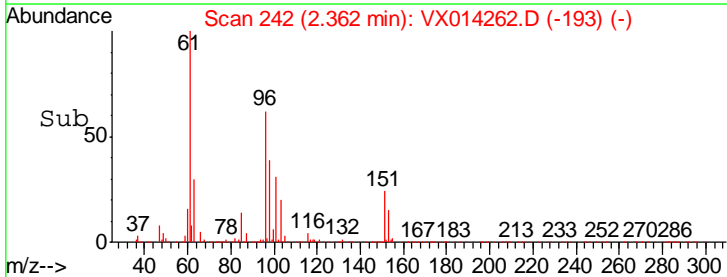
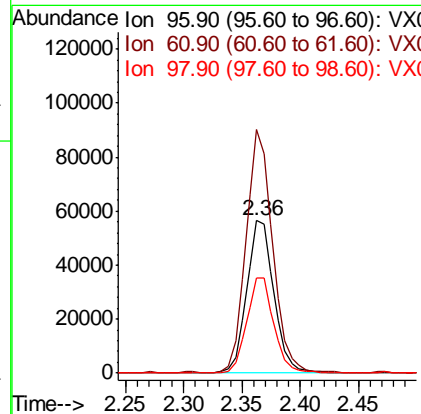
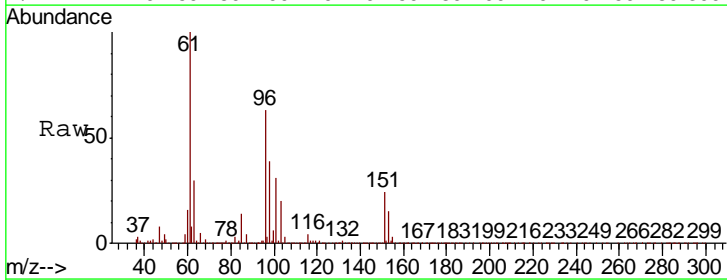
Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

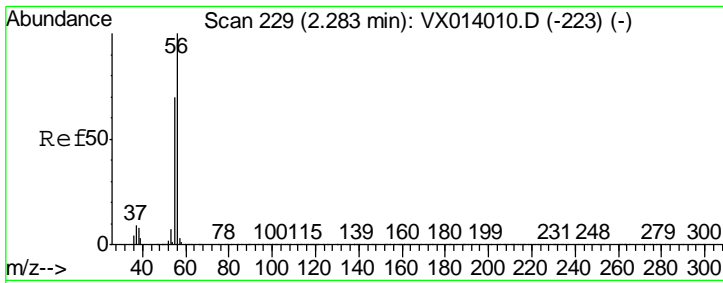
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#12
 1,1-Dichloroethene
 Concen: 19.160 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
96	100		
61	159.6	127.9	191.9
98	62.2	50.5	75.7



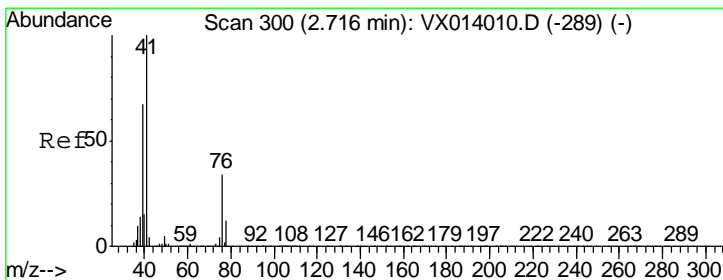
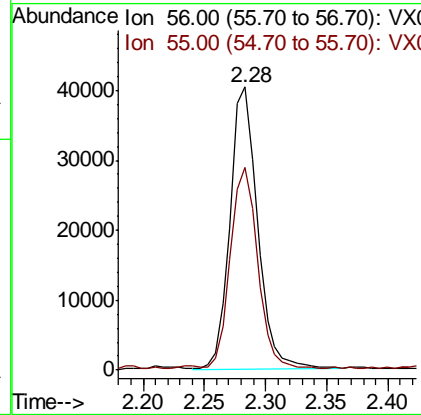
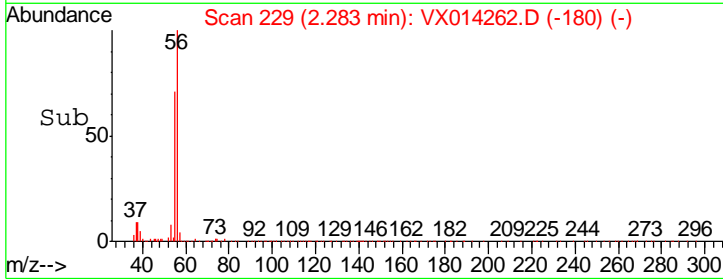
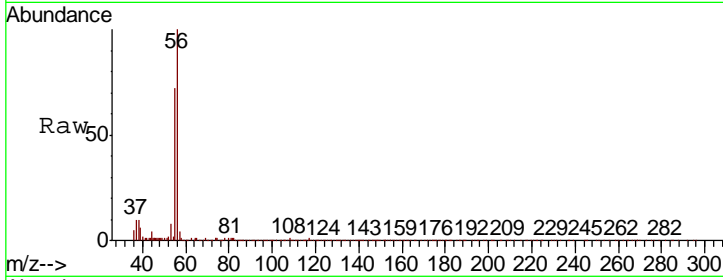


#13
 Acrolein
 Concen: 90.805 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
56	63080		
55	69.4	56.9	85.3

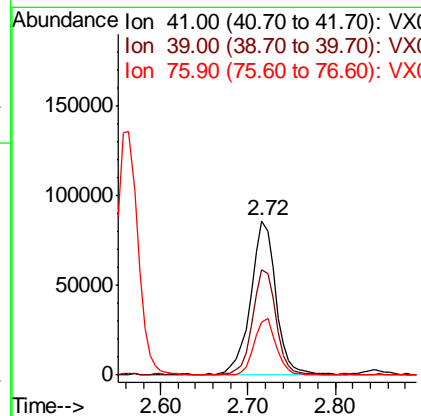
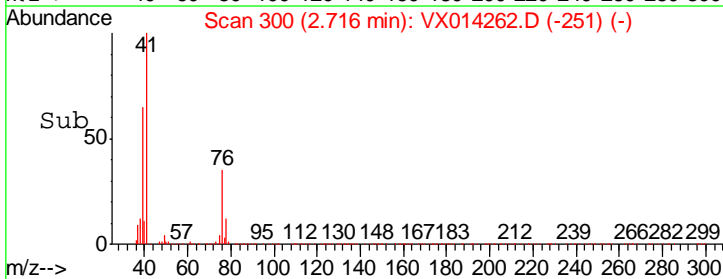
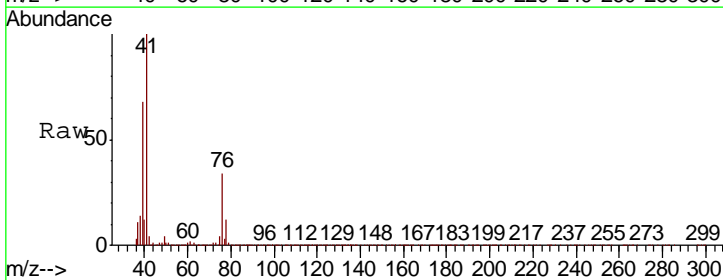
Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

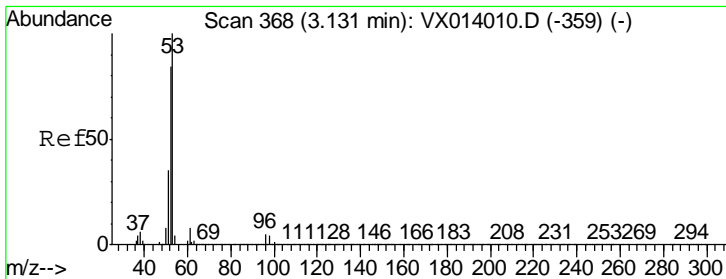
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#14
 Allyl chloride
 Concen: 20.009 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
41	170294		
39	63.3	51.8	77.8
76	31.8	25.9	38.9



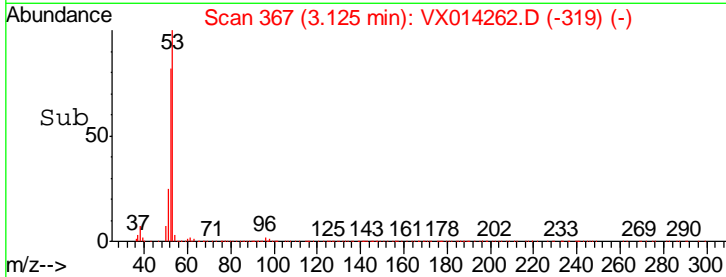
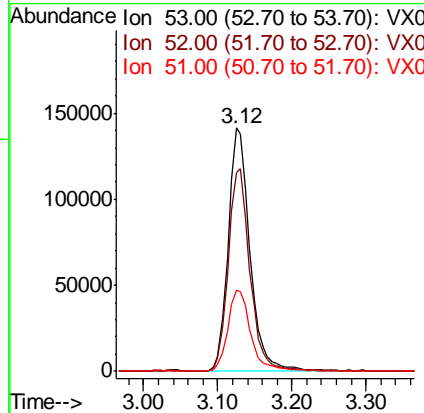
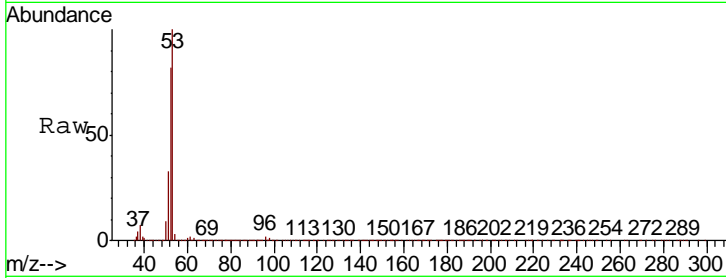


#15
 Acrylonitrile
 Concen: 101.168 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.5	66.5	99.7
51	35.1	28.1	42.1

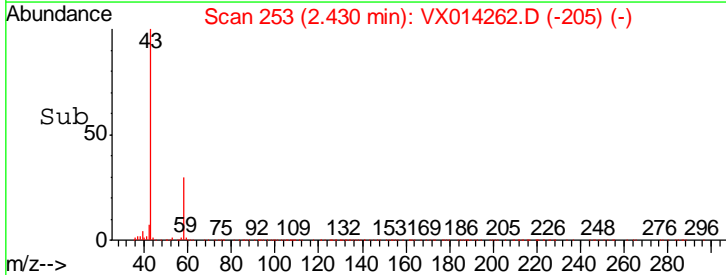
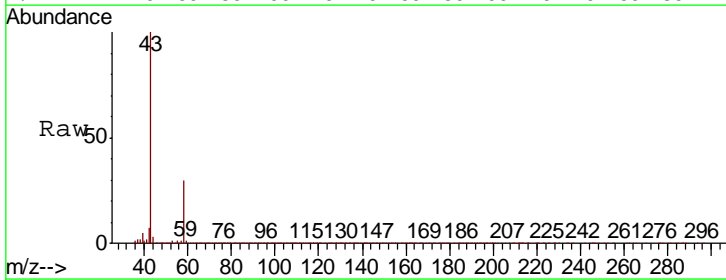
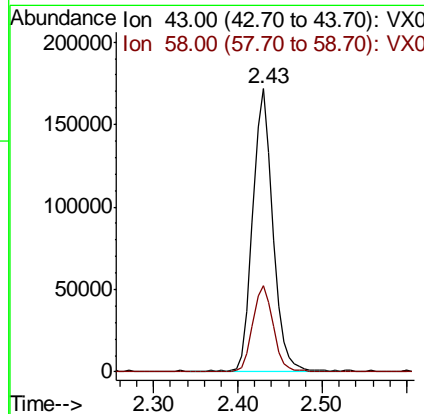
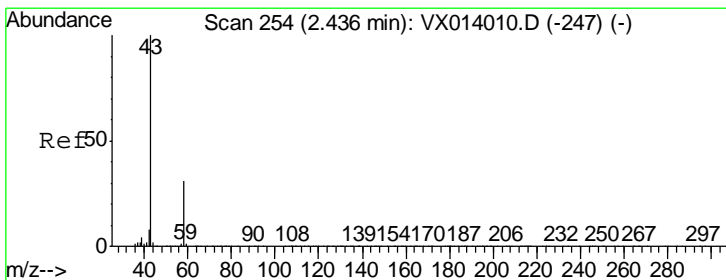
Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

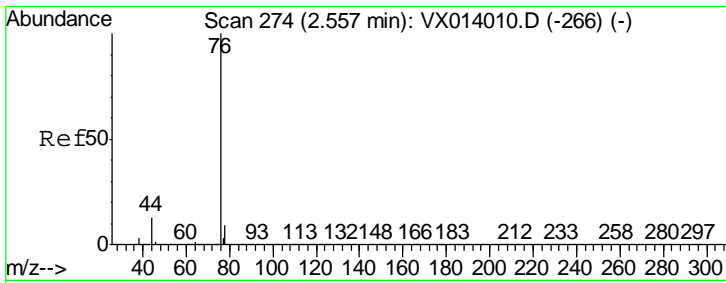
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#16
 Acetone
 Concen: 75.267 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.2	24.9	37.3



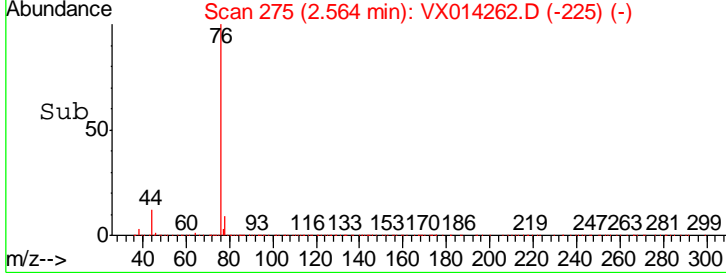
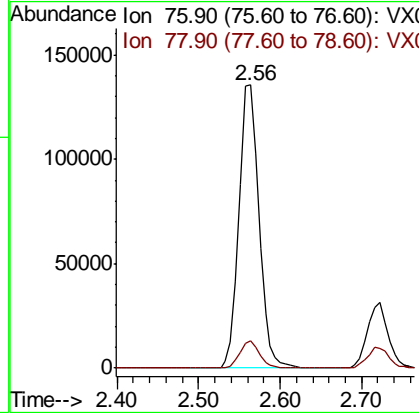
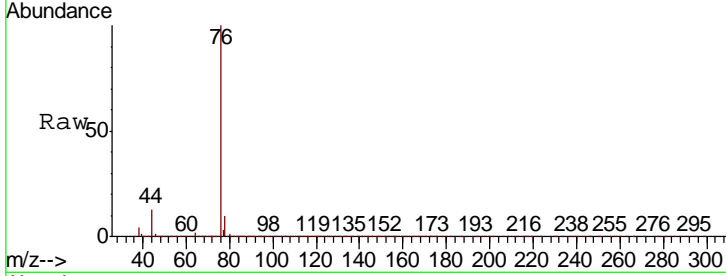


#17
 Carbon Disulfide
 Concen: 17.851 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
76	229753		
76	100		
78	9.4	7.2	10.8

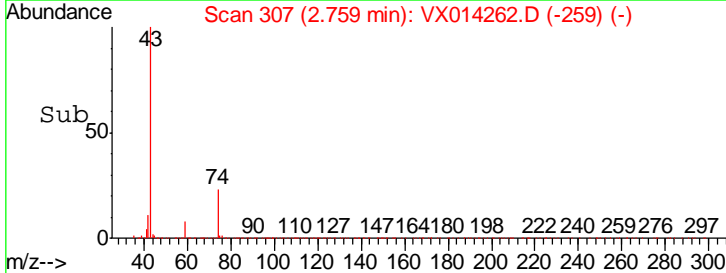
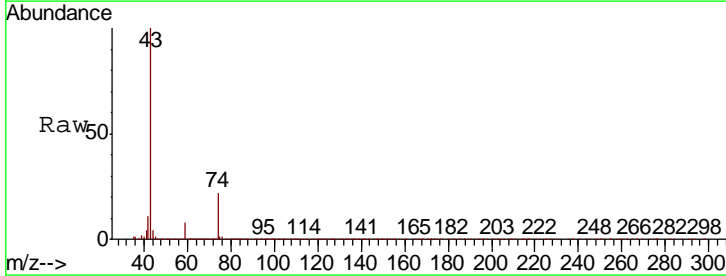
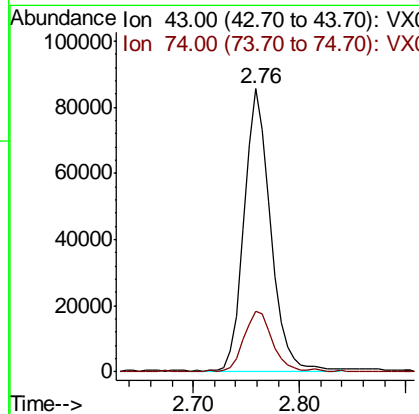
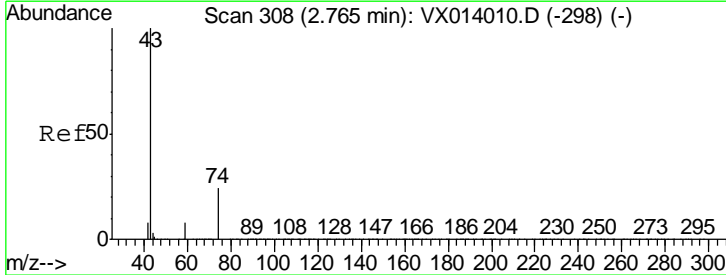
Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

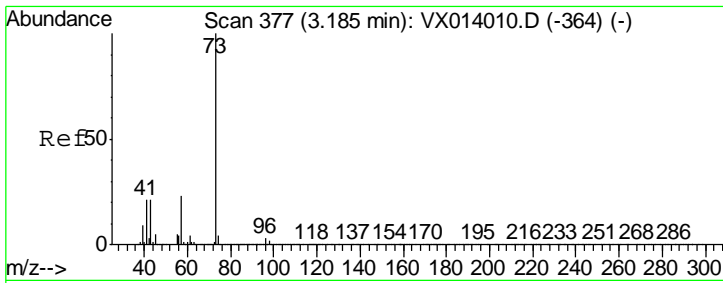
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#18
 Methyl Acetate
 Concen: 20.601 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
43	148843		
43	100		
74	22.4	19.5	29.3



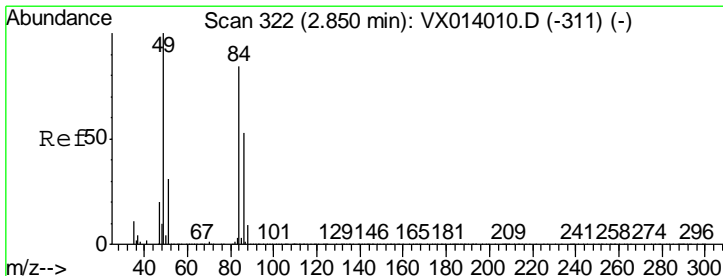
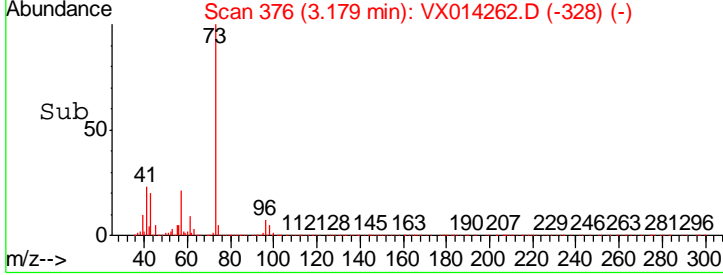
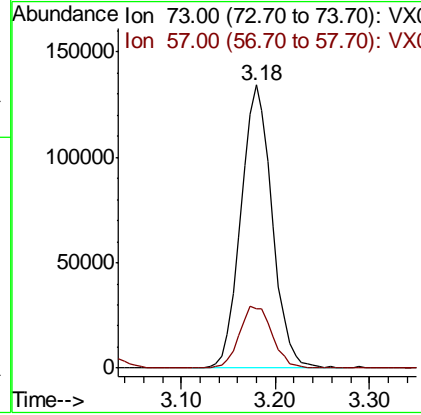
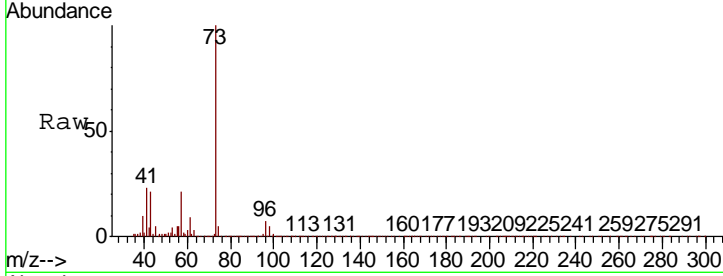


#19
Methyl tert-butyl Ether
Concen: 19.724 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014262.D
Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
73	308955		
73	100		
57	21.0	18.8	28.2

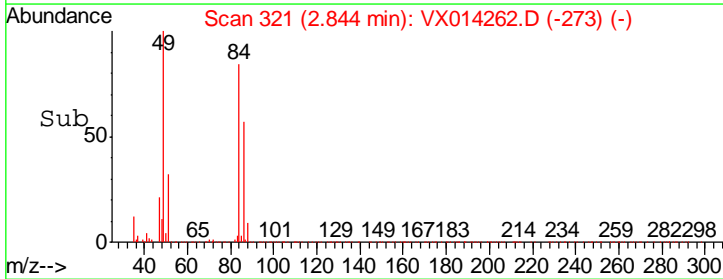
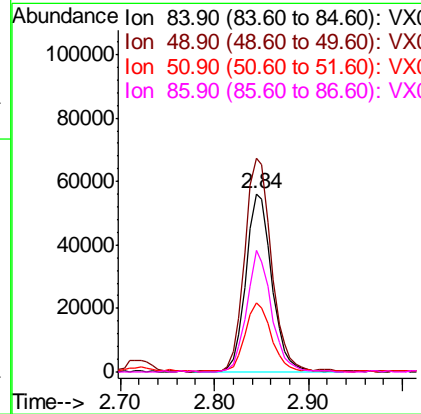
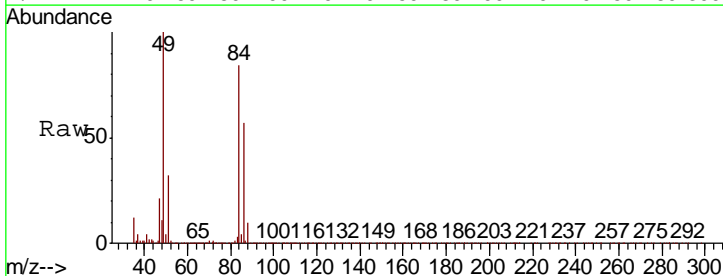
Instrument : MSVOA_X
Client Sampled : VX1226WBS01

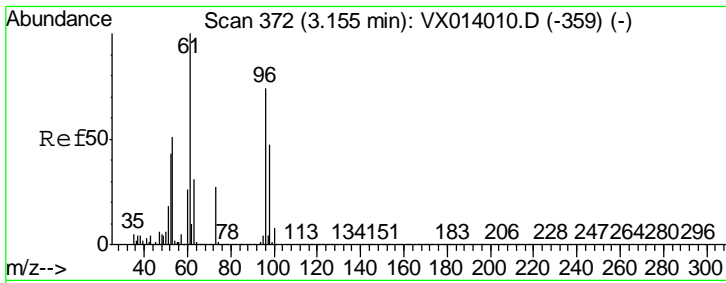
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#20
Methylene Chloride
Concen: 18.797 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014262.D
Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
84	107929		
84	100		
49	119.5	95.8	143.6
51	38.0	29.8	44.8
86	67.6	50.8	76.2





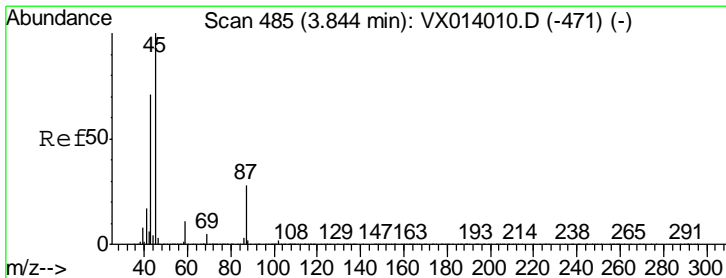
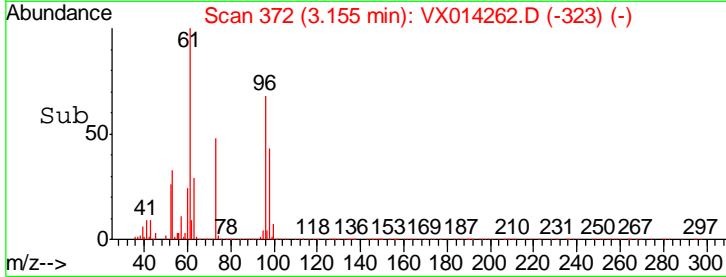
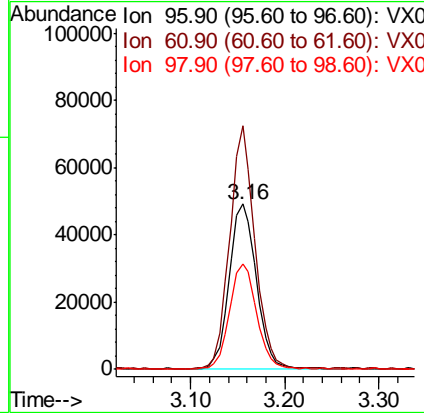
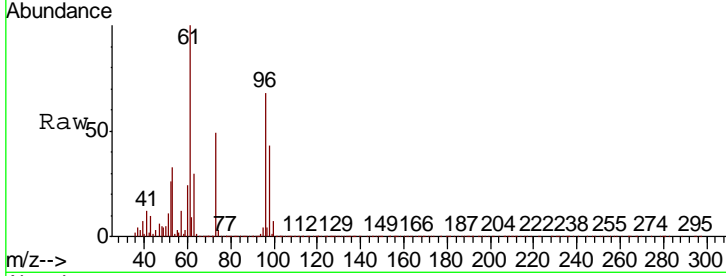
#21
 trans-1,2-Dichloroethene
 Concen: 18.878 ug/l
 RT: 3.16 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
96	99139		
61	146.3	108.3	162.5
98	63.3	50.8	76.2

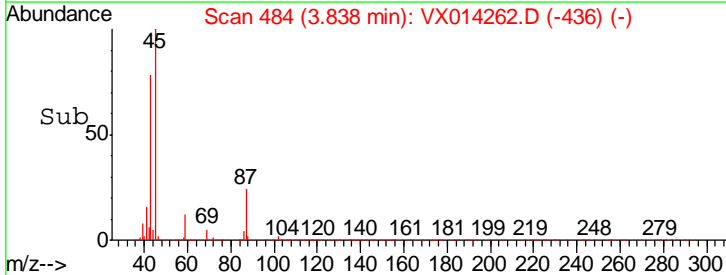
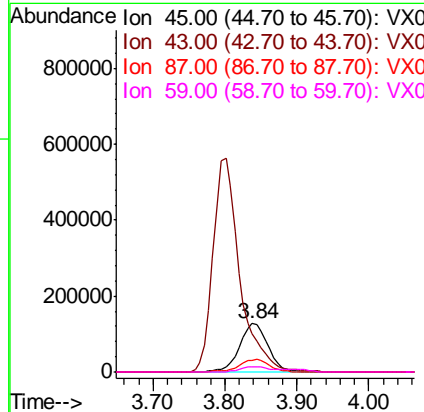
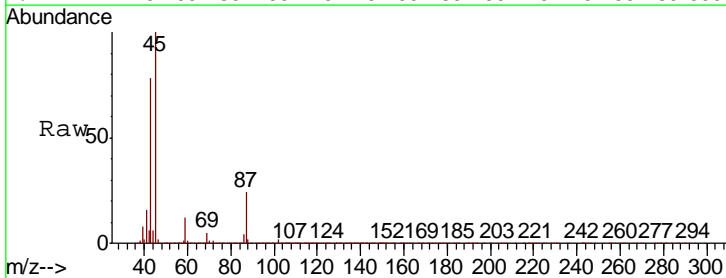
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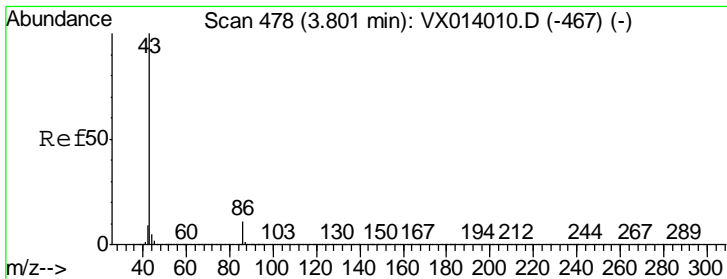
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#22
 Diisopropyl ether
 Concen: 20.775 ug/l
 RT: 3.84 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
45	352345		
43	77.0	57.4	86.0
87	23.8	21.9	32.9
59	11.6	9.0	13.6





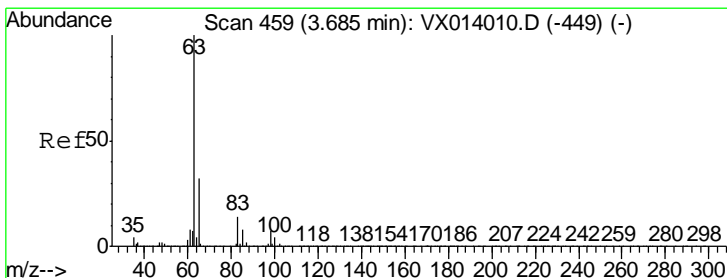
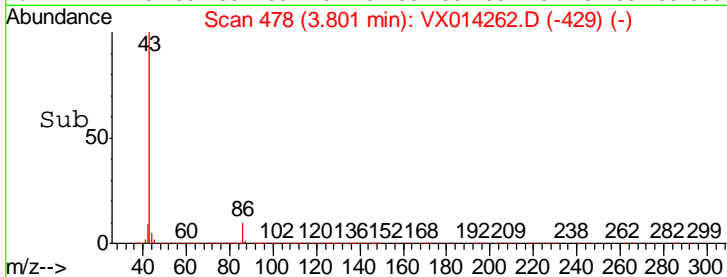
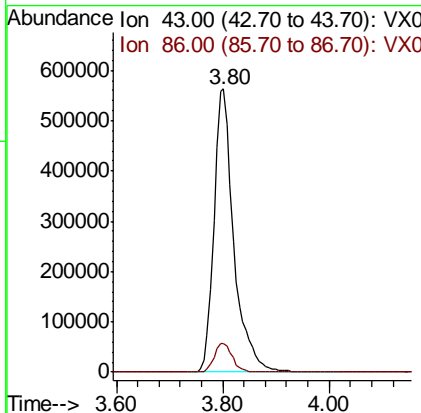
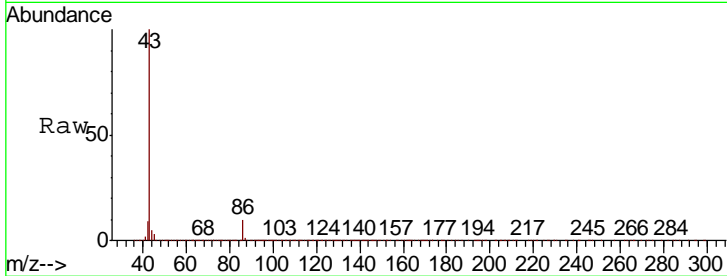
#23
 Vinyl Acetate
 Concen: 105.508 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.1	8.6	12.8

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

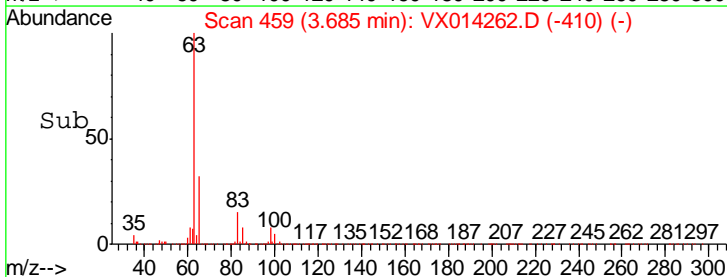
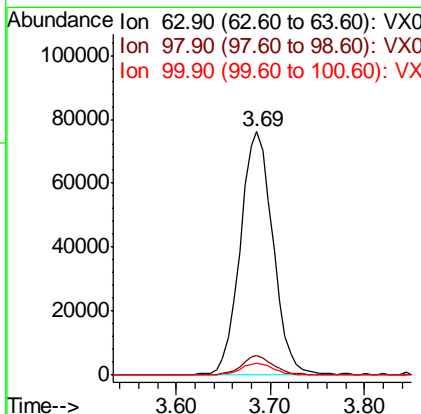
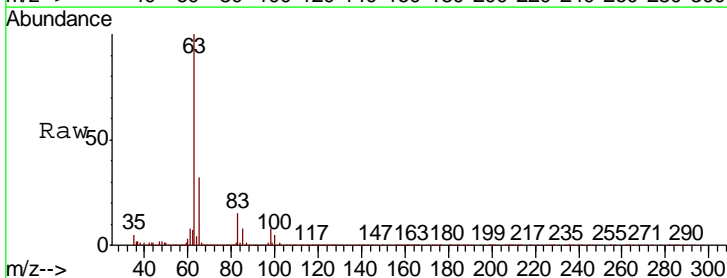
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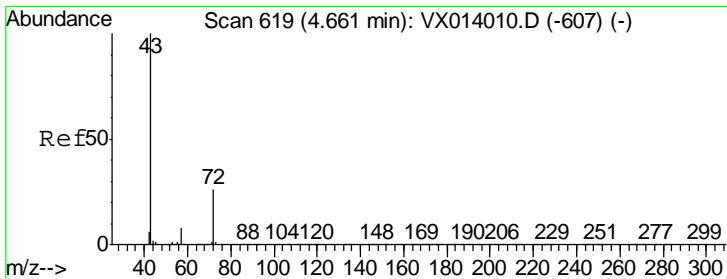
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#24
 1,1-Dichloroethane
 Concen: 19.347 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	4.8	2.3	6.8



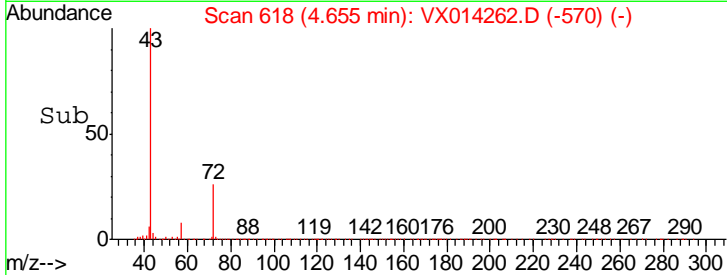
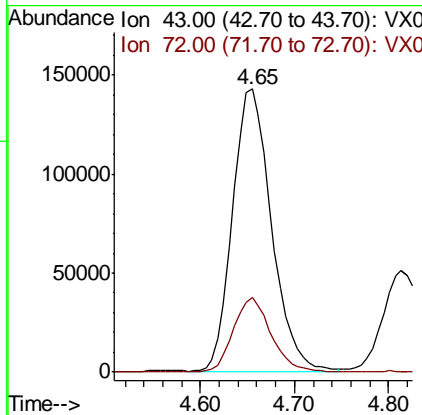
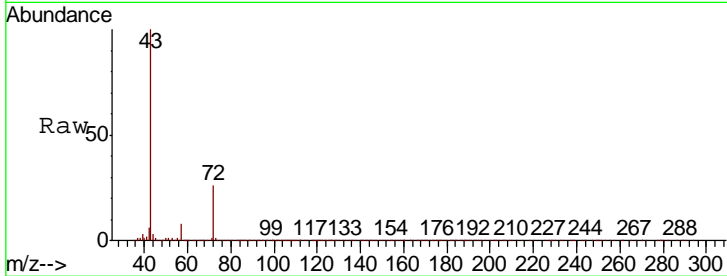


#25
 2-Butanone
 Concen: 91.254 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.1	21.0	31.4

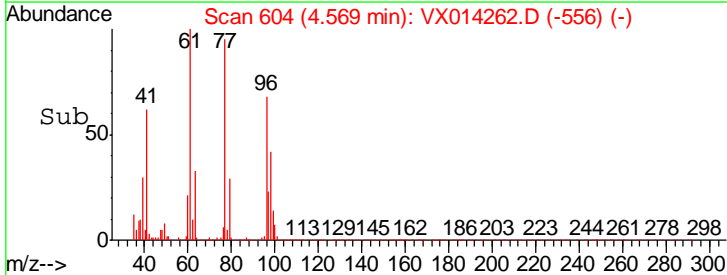
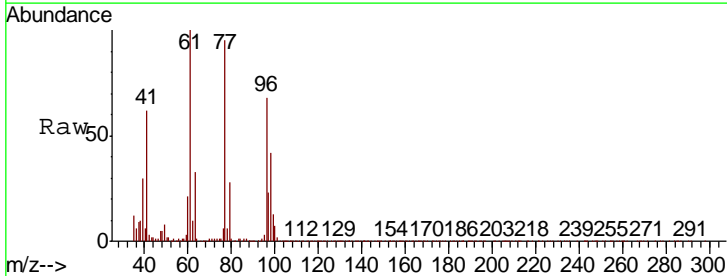
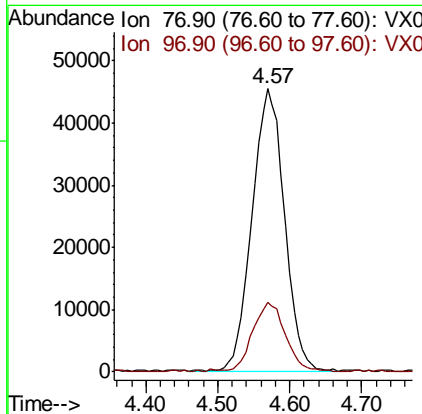
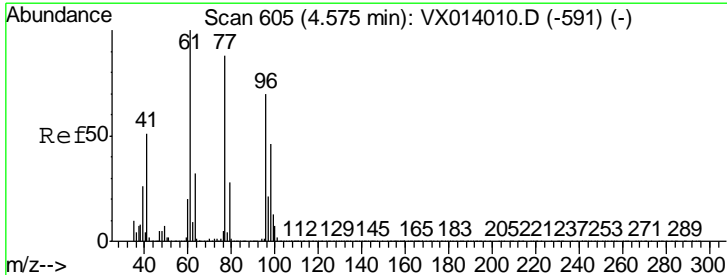
Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

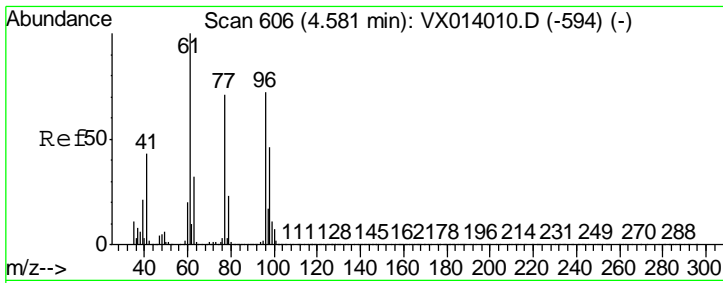
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#26
 2,2-Dichloropropane
 Concen: 19.596 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.7	11.9	35.9



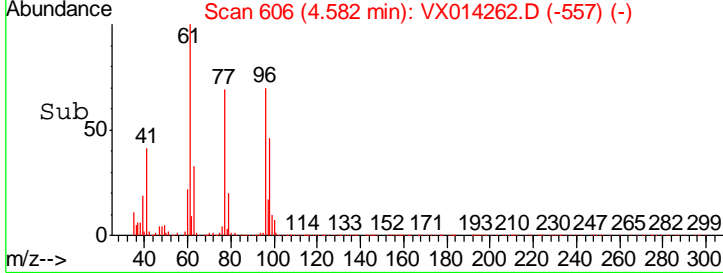
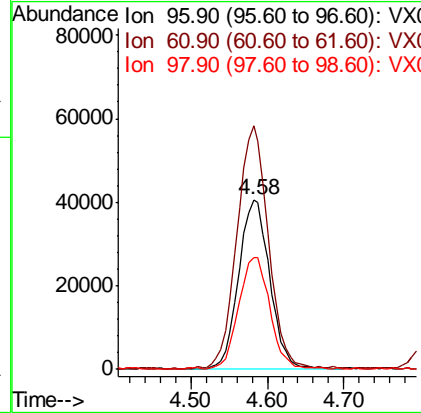
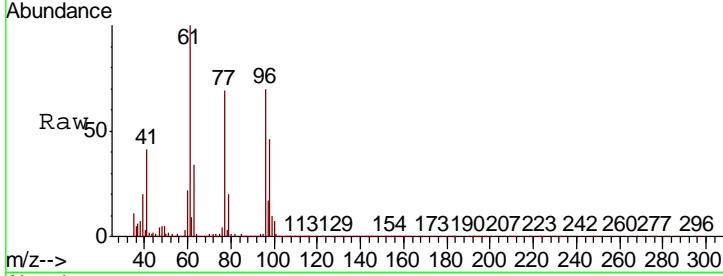


#27
 cis-1,2-Dichloroethene
 Concen: 19.220 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

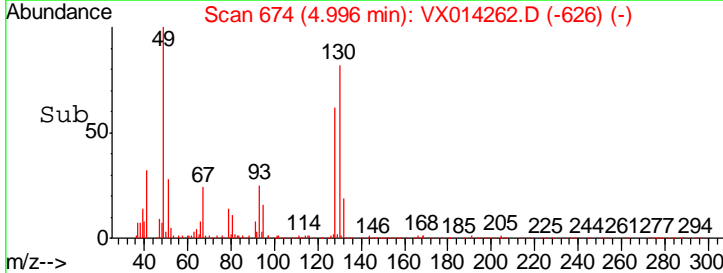
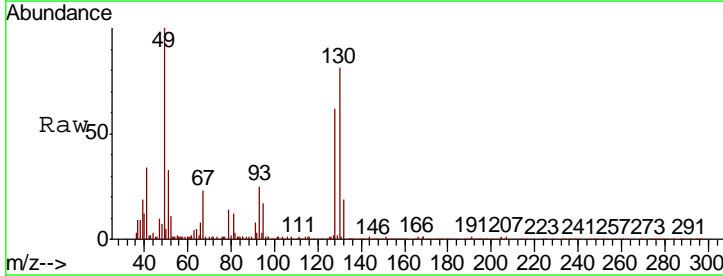
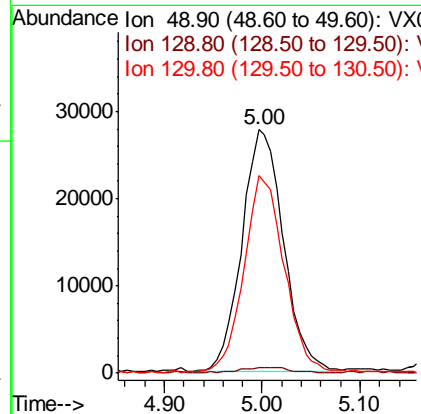
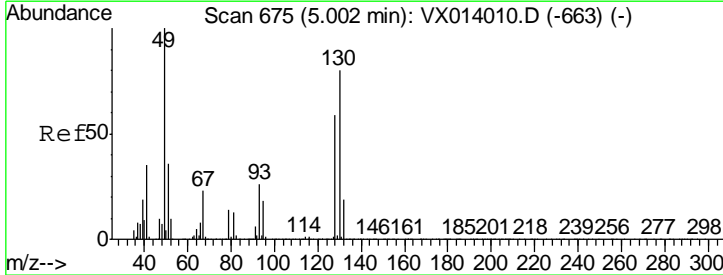
Tgt Ion	Resp	Lower	Upper
96	114154		
96	100		
61	143.8	0.0	288.4
98	66.1	0.0	129.6

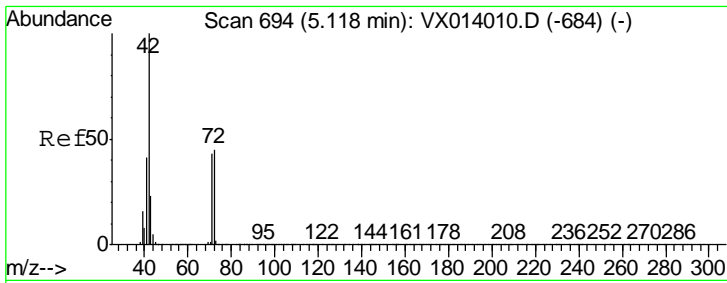
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#28
 Bromochloromethane
 Concen: 22.727 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
49	81569		
49	100		
129	3.0	0.0	5.0
130	78.4	64.6	97.0





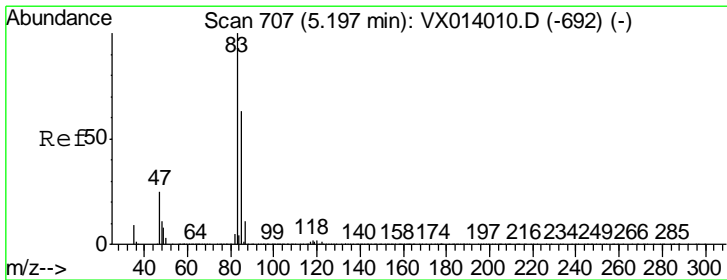
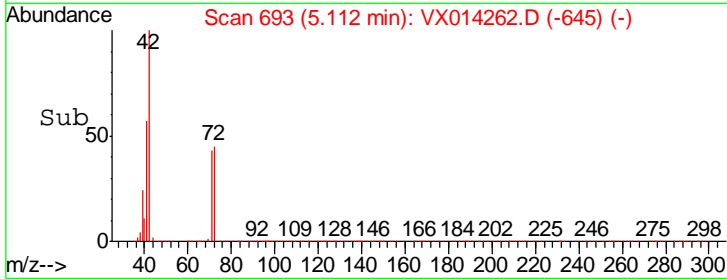
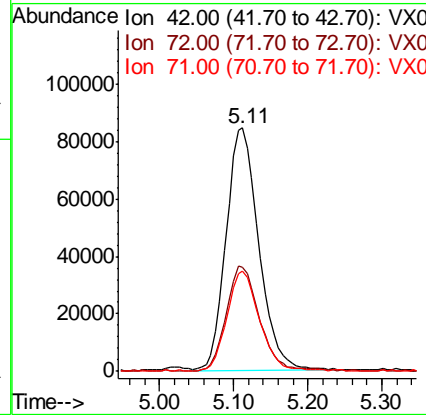
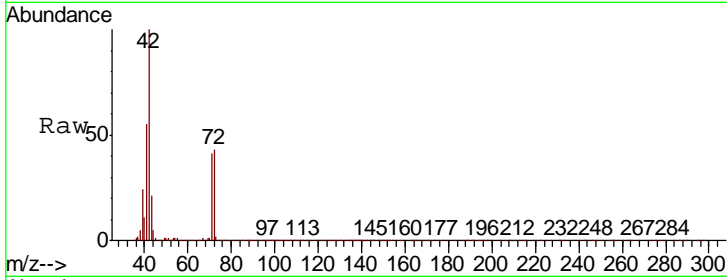
#29
 Tetrahydrofuran
 Concen: 103.074 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
42	100		
72	43.2	35.8	53.8
71	40.8	33.6	50.4

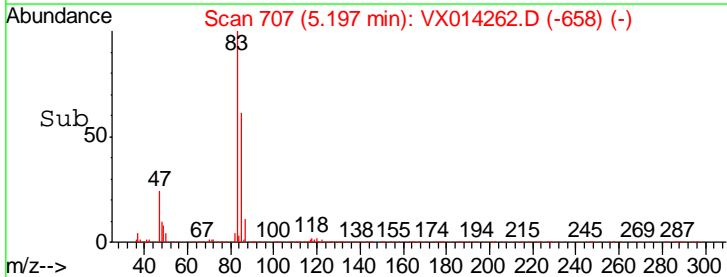
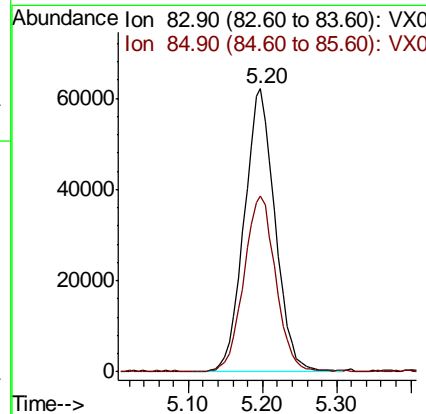
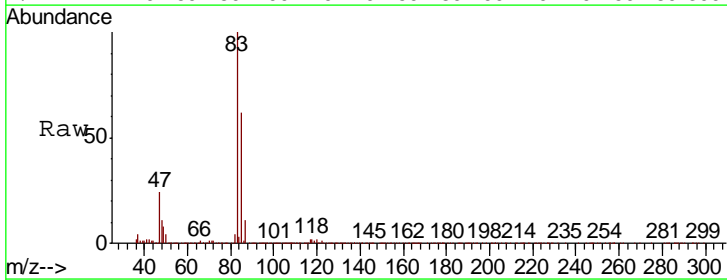
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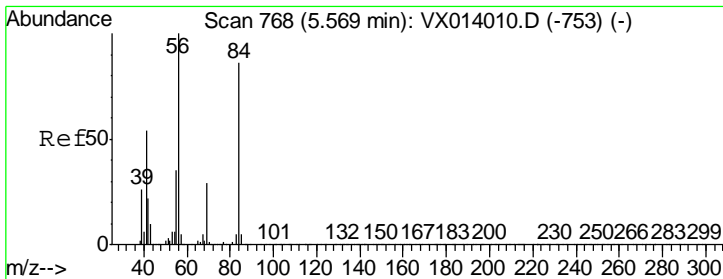
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#30
 Chloroform
 Concen: 20.075 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
83	100		
85	62.2	50.8	76.2



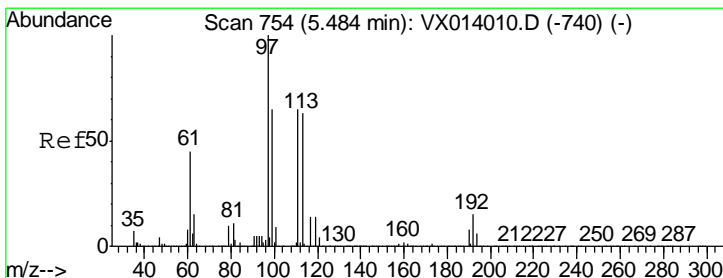
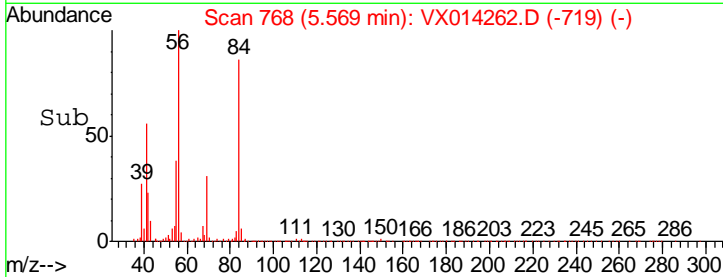
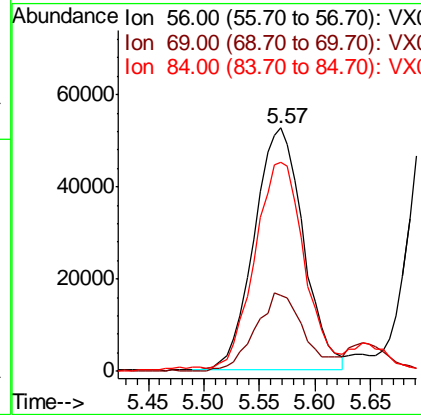
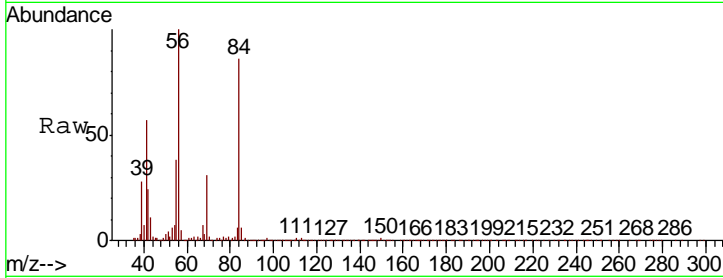


#31
 Cyclohexane
 Concen: 19.258 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

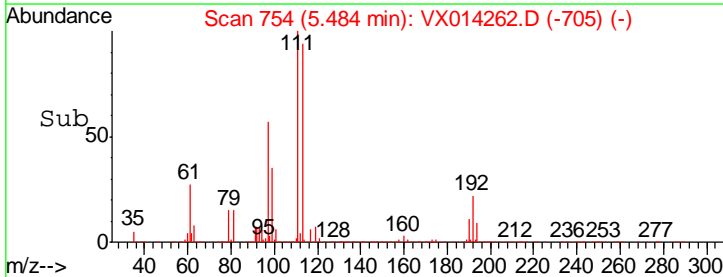
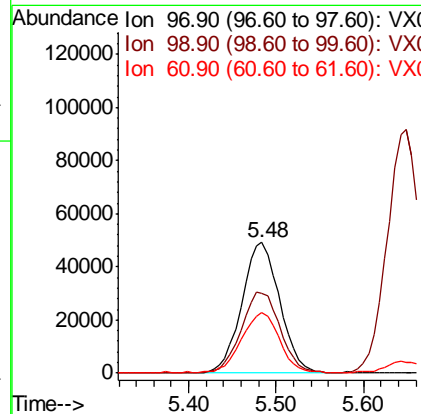
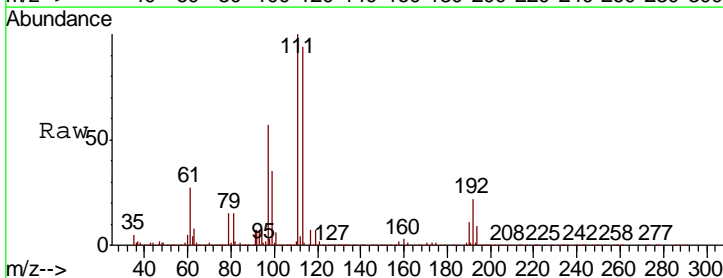
Tgt Ion	Resp	Lower	Upper
56	161618		
69	31.0	23.2	34.8
84	84.5	69.2	103.8

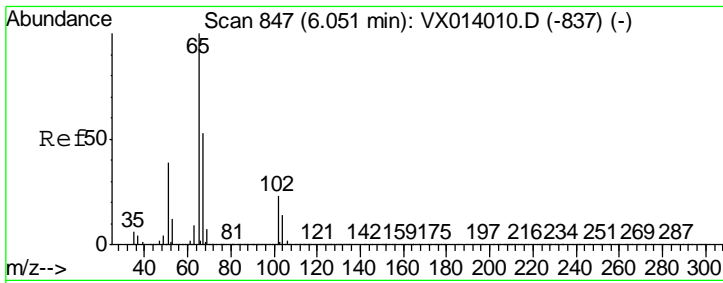
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#32
 1,1,1-Trichloroethane
 Concen: 19.209 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
97	146443		
99	64.1	52.0	78.0
61	46.6	36.7	55.1



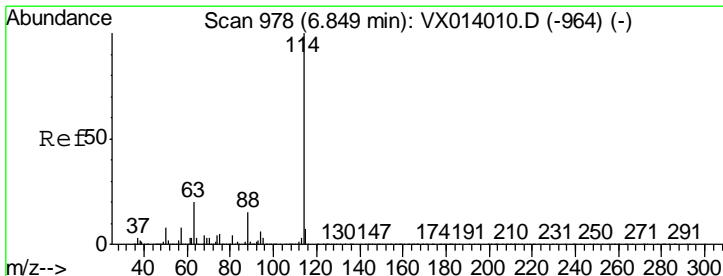
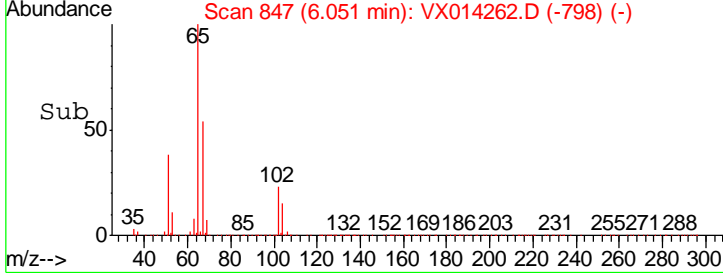
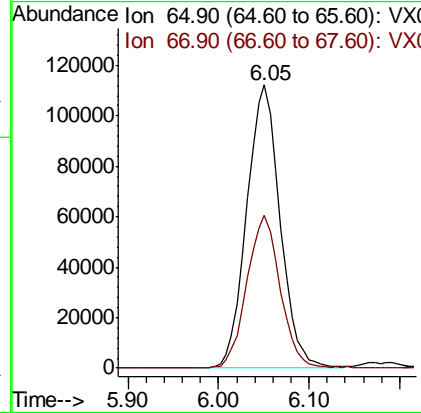
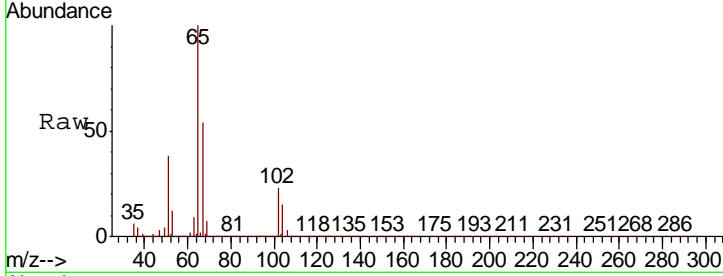


#33
 1,2-Dichloroethane-d4
 Concen: 50.776 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.7	0.0	106.4

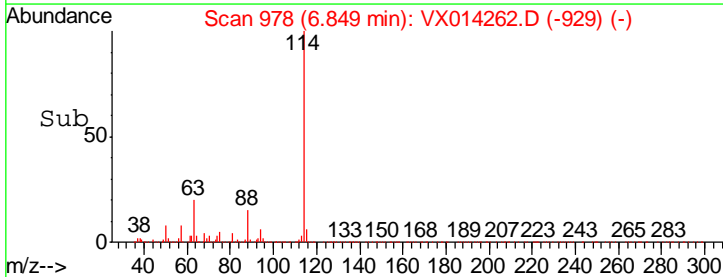
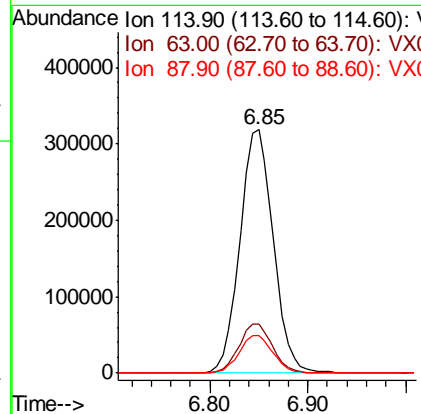
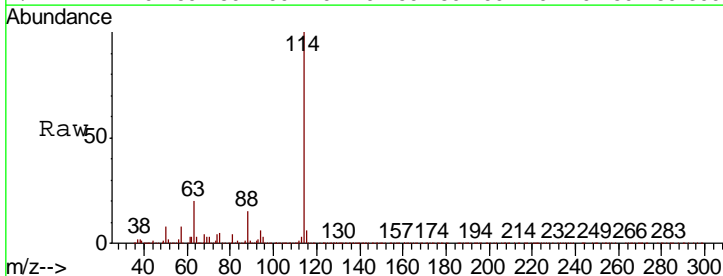
Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

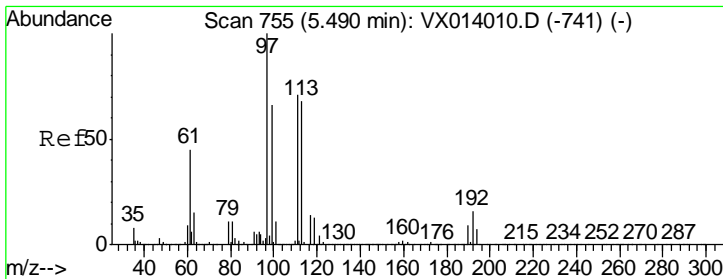
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

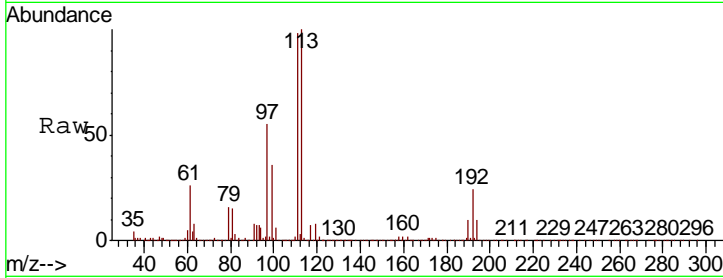
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	15.2	0.0	30.4





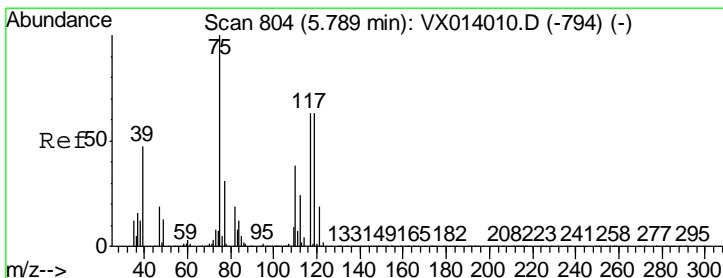
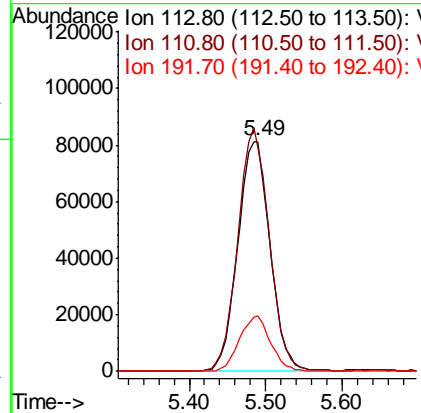
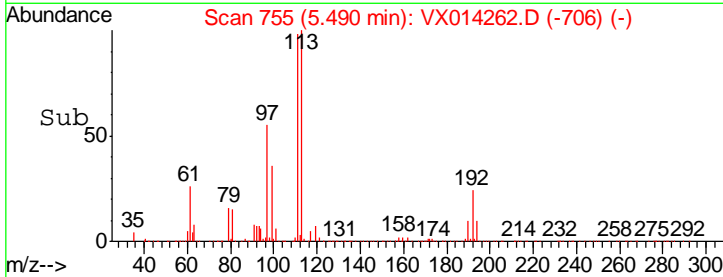
#35
 Dibromofluoromethane
 Concen: 51.900 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

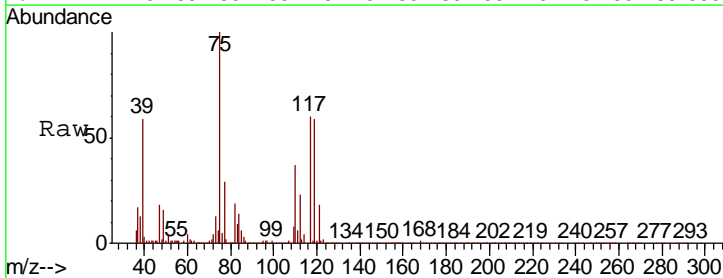


Tgt Ion	Resp	Lower	Upper
113	237507		
113	100		
111	102.7	82.0	123.0
192	23.3	19.3	28.9

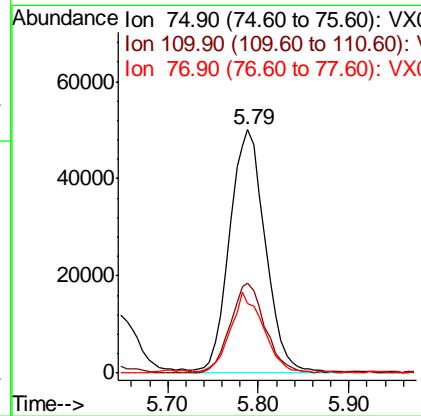
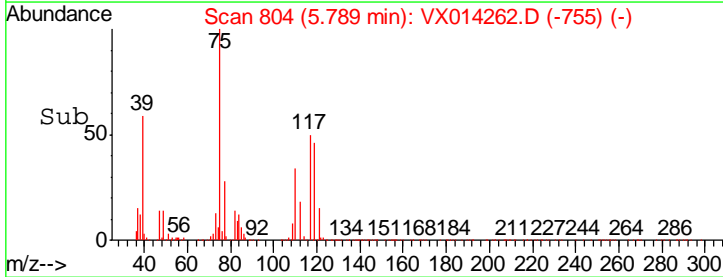
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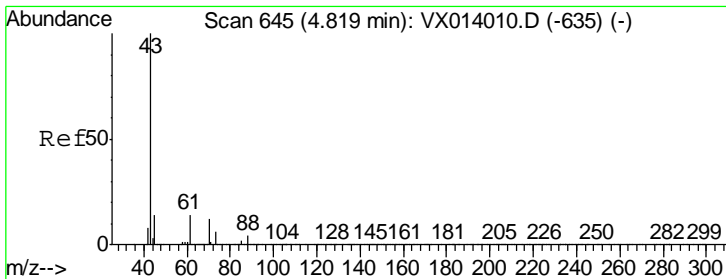


#36
 1,1-Dichloropropene
 Concen: 19.573 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18



Tgt Ion	Resp	Lower	Upper
75	135199		
75	100		
110	36.0	18.3	54.9
77	30.5	24.8	37.2



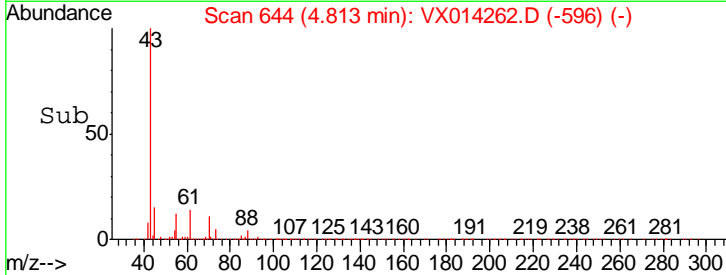
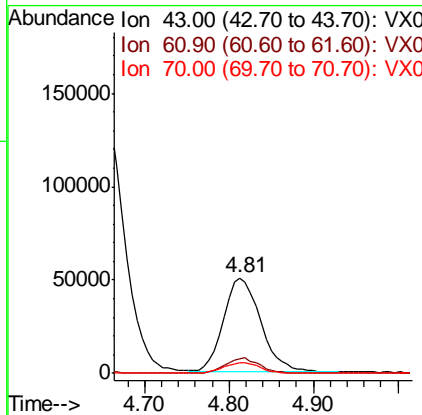
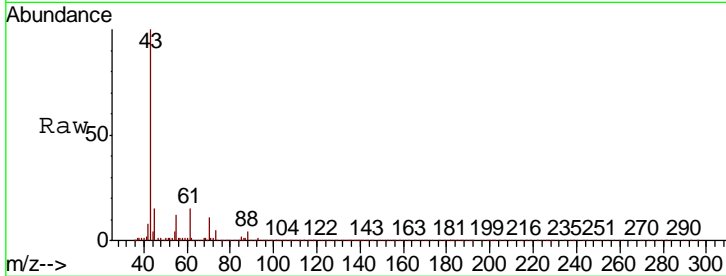


#37
 Ethyl Acetate
 Concen: 19.990 ug/l
 RT: 4.81 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
43	152478		
61	14.1	10.8	16.2
70	11.4	8.6	12.8

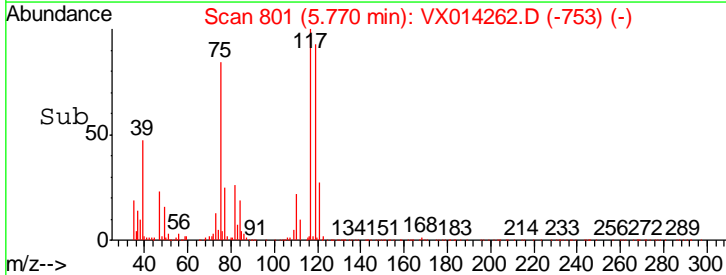
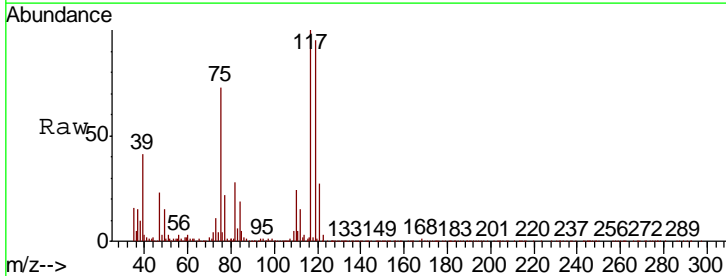
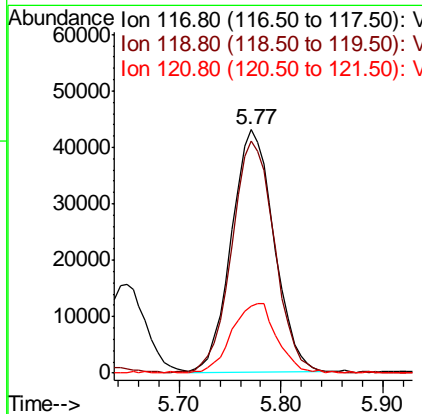
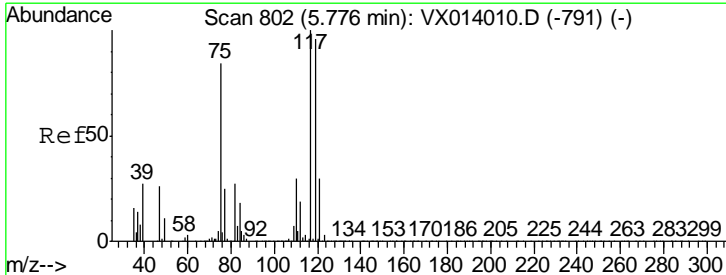
Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

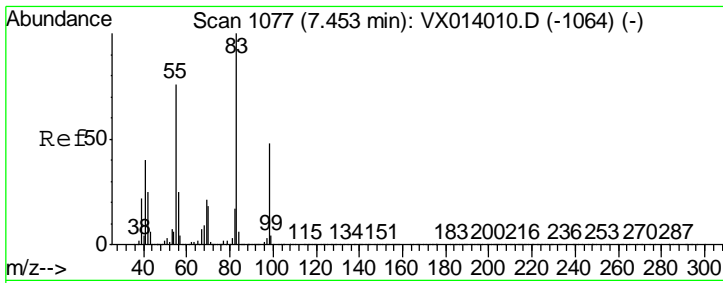
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#38
 Carbon Tetrachloride
 Concen: 19.882 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
117	125107		
119	95.1	76.2	114.4
121	27.3	23.6	35.4



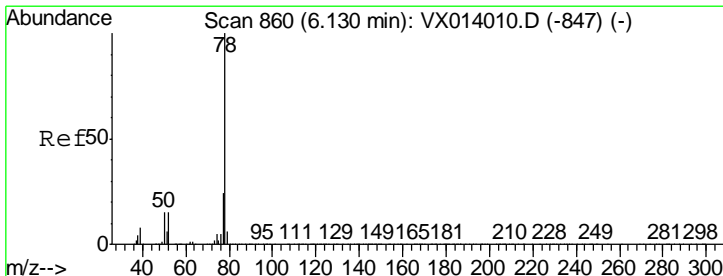
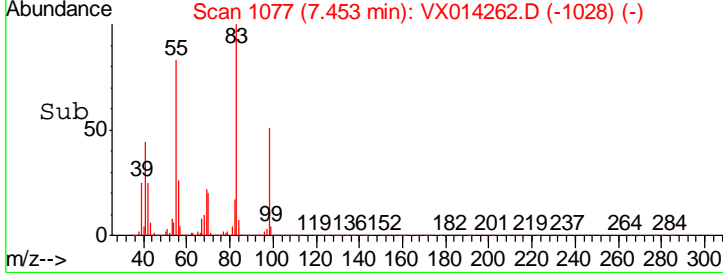
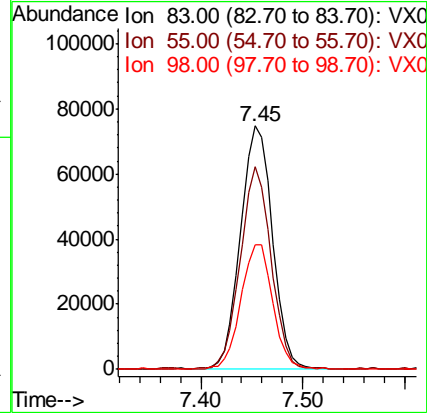
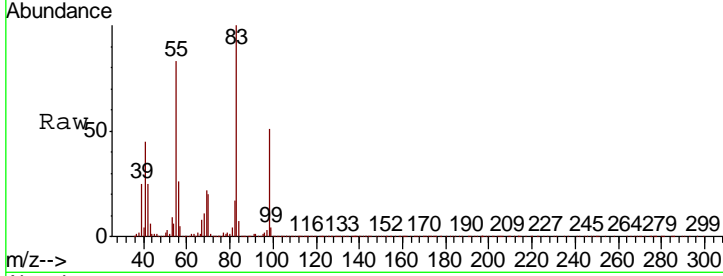


#39
 Methylcyclohexane
 Concen: 18.995 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

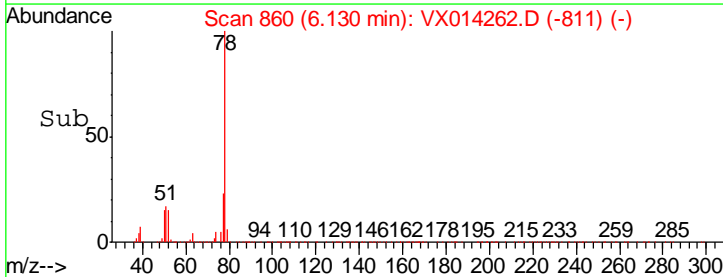
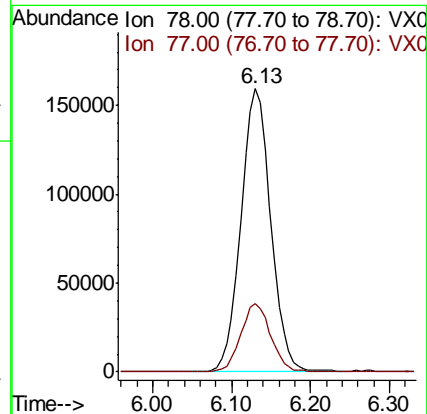
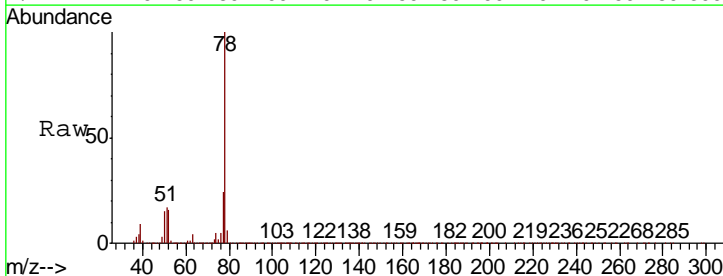
Tgt Ion	Resp	Lower	Upper
83	162007		
83	100		
55	83.1	61.0	91.6
98	50.9	38.6	57.8

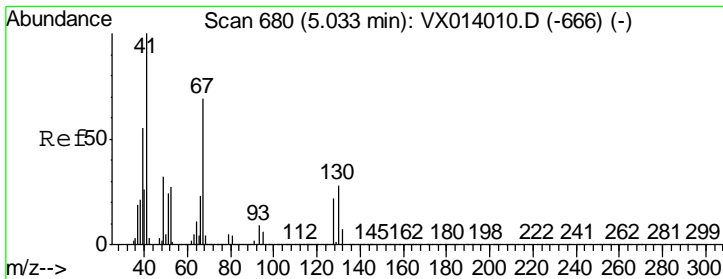
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#40
 Benzene
 Concen: 19.707 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
78	418830		
78	100		
77	24.0	18.8	28.2



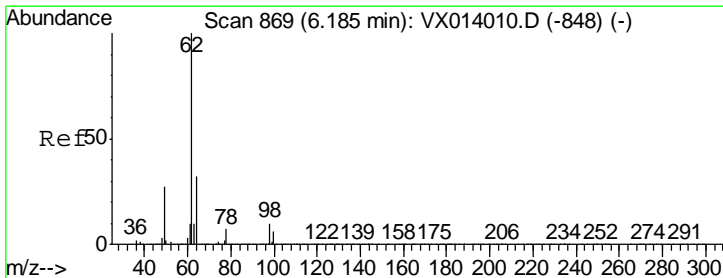
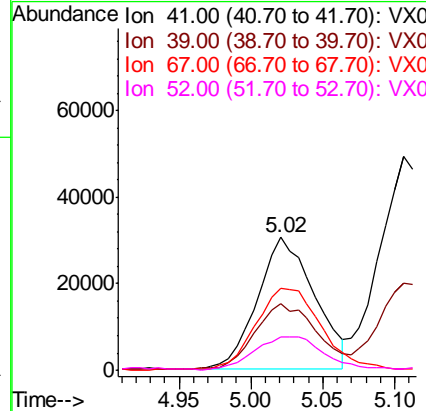
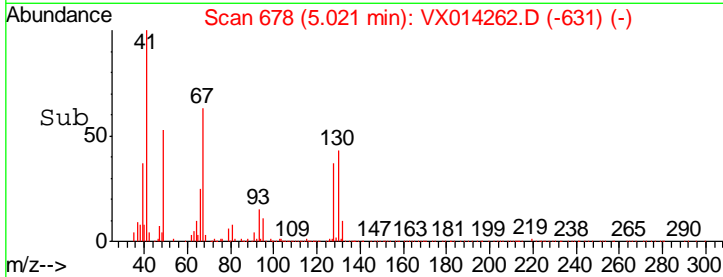
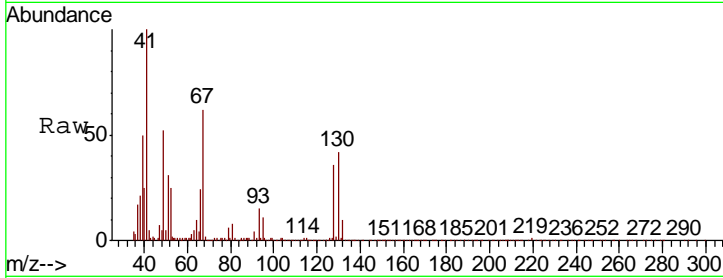


#41
 Methacrylonitrile
 Concen: 19.819 ug/l
 RT: 5.02 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
41	100		
39	54.4	44.5	66.7
67	71.4	57.4	86.0
52	31.7	23.0	34.4

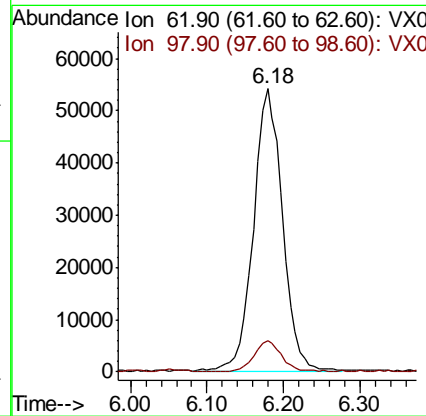
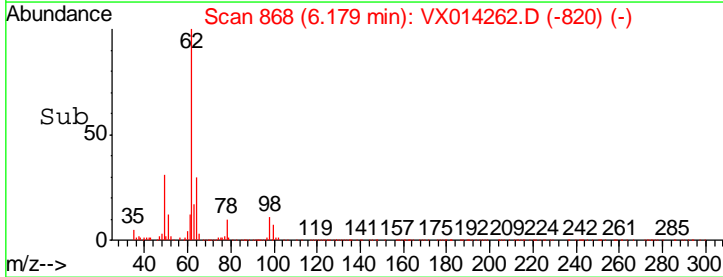
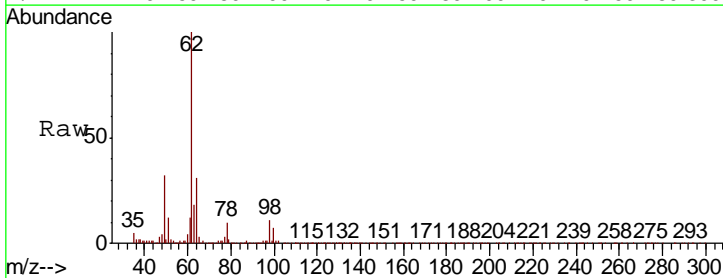
Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

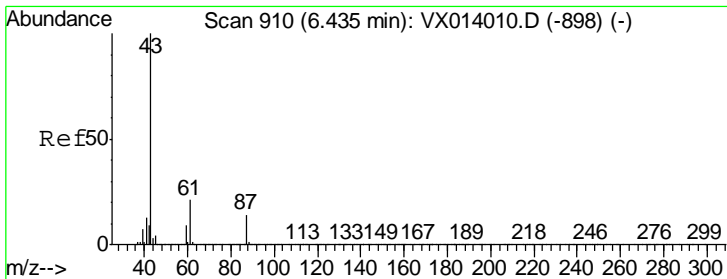
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#42
 1,2-Dichloroethane
 Concen: 19.876 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.3	0.0	21.0





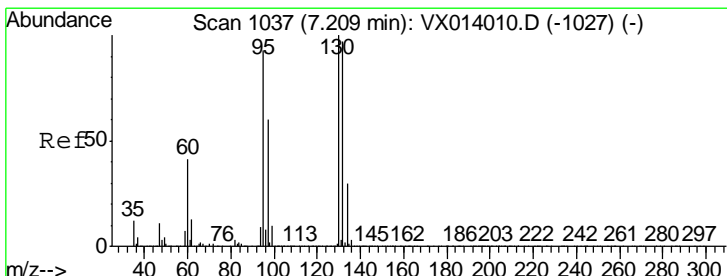
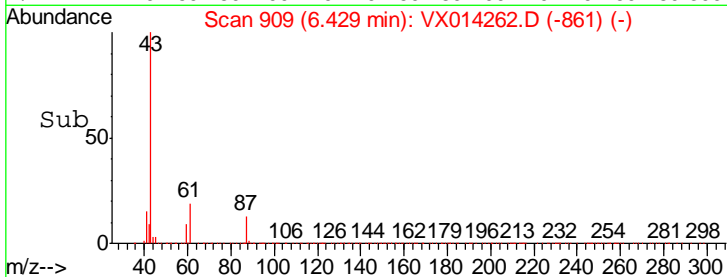
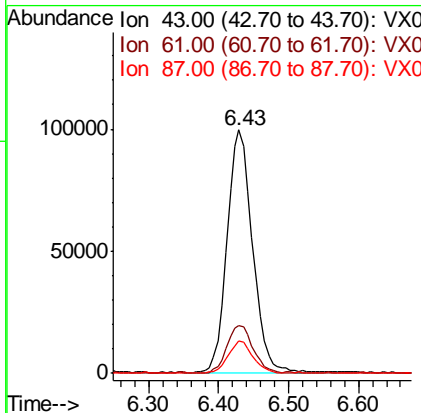
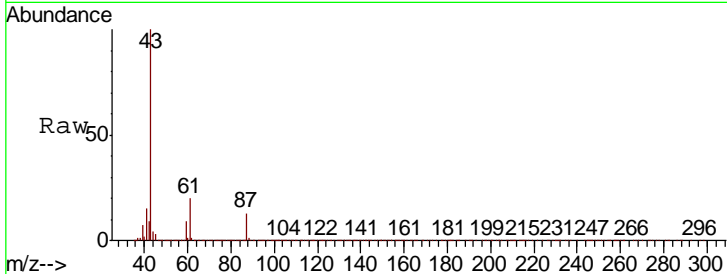
#43
 Isopropyl Acetate
 Concen: 19.809 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.6	16.4	24.6
87	12.8	10.7	16.1

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

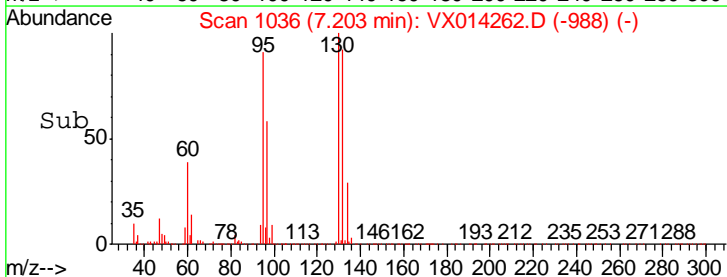
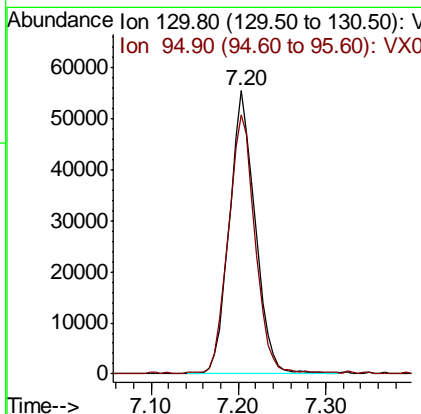
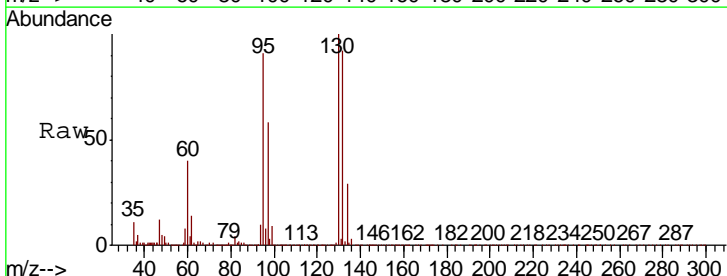
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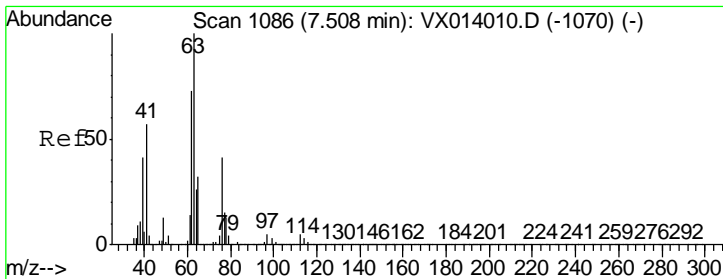
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#44
 Trichloroethene
 Concen: 19.333 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
130	100		
95	91.1	0.0	185.6





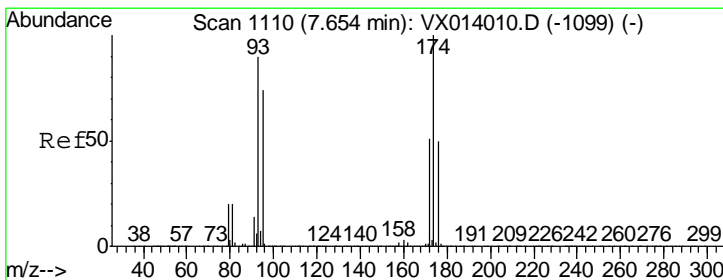
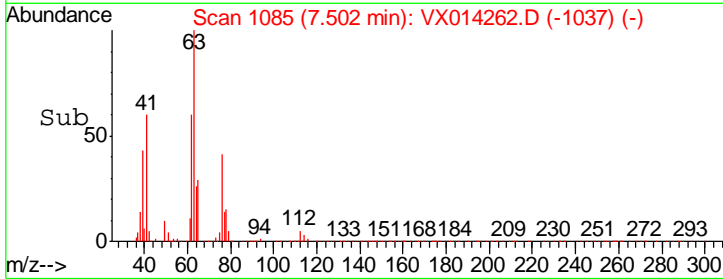
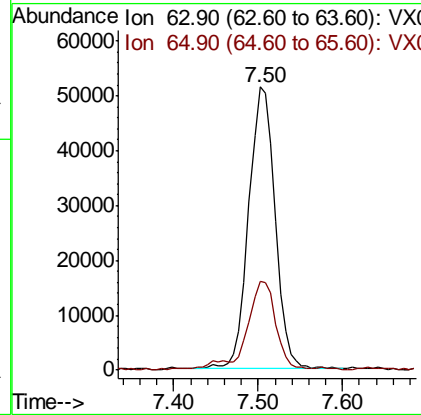
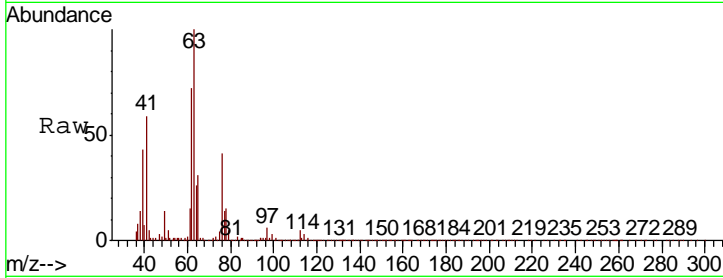
#45
 1,2-Dichloropropane
 Concen: 20.032 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
63	109123		
63	100		
65	31.0	25.8	38.8

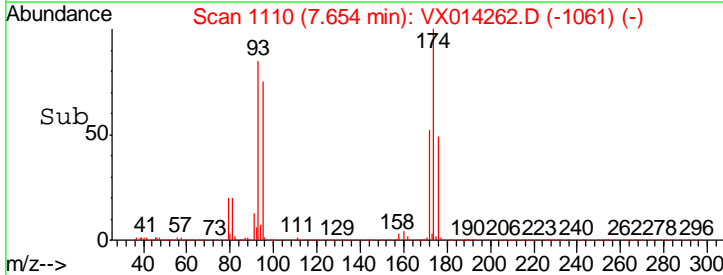
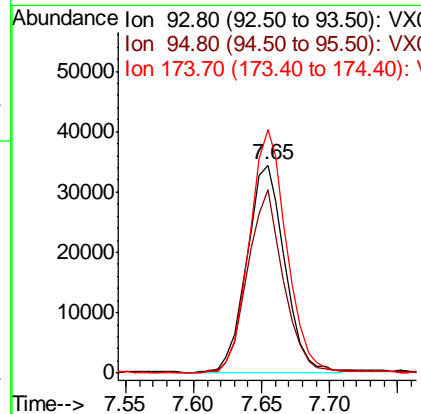
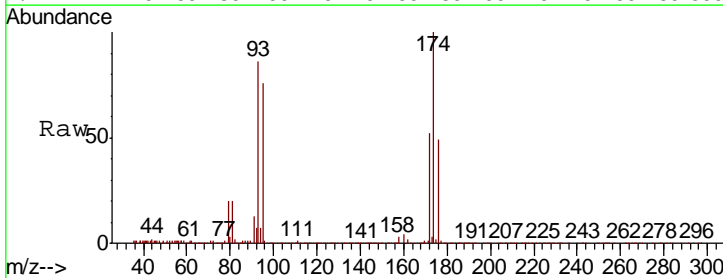
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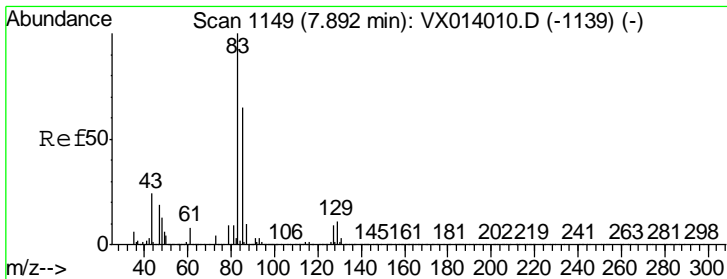
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#46
 Dibromomethane
 Concen: 18.568 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
93	66872		
93	100		
95	83.4	67.3	100.9
174	115.9	91.6	137.4





#47

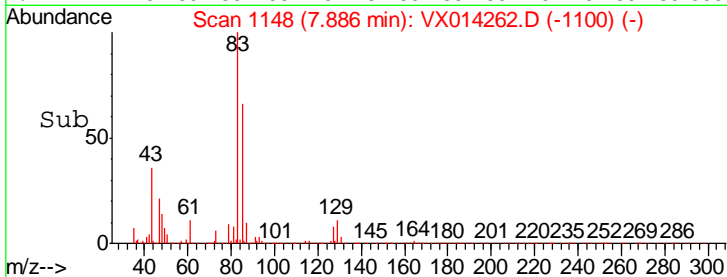
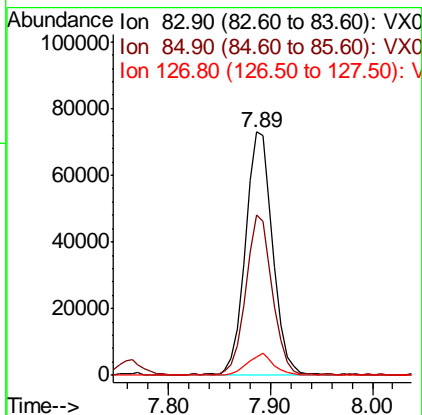
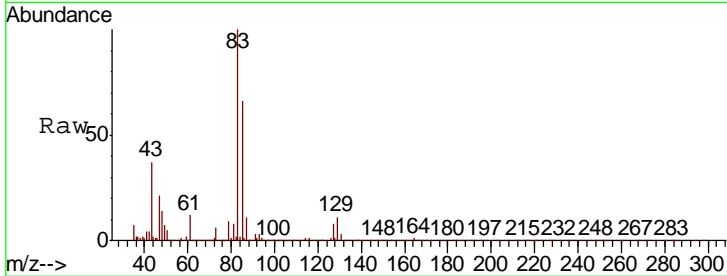
Bromodichloromethane
 Concen: 19.894 ug/l
 RT: 7.89 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
83	134942		
85	65.7	51.8	77.8
127	7.7	7.0	10.4

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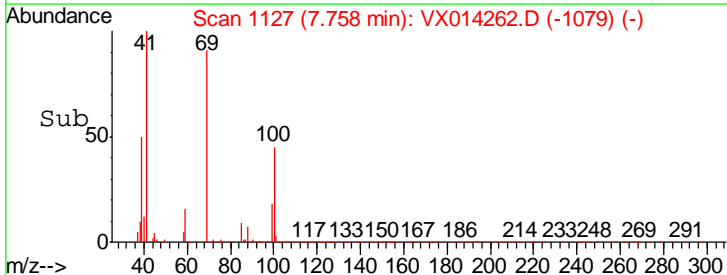
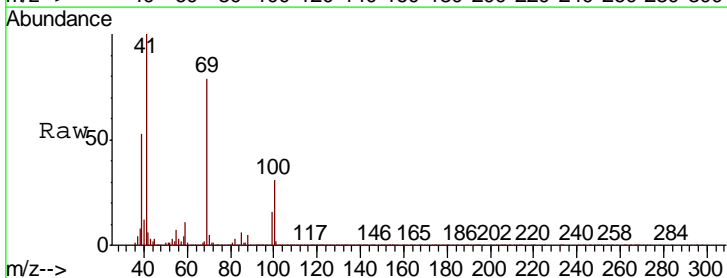
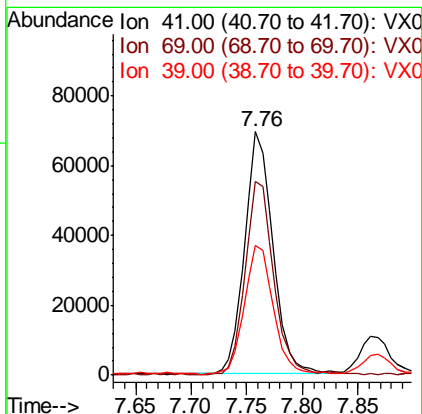
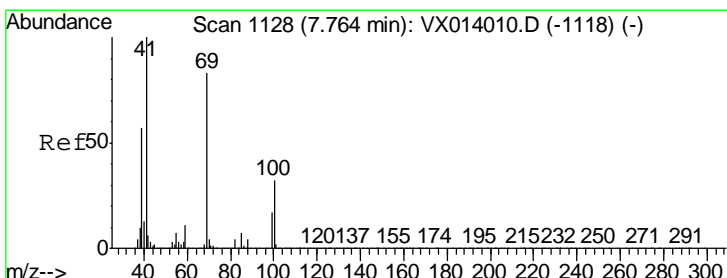
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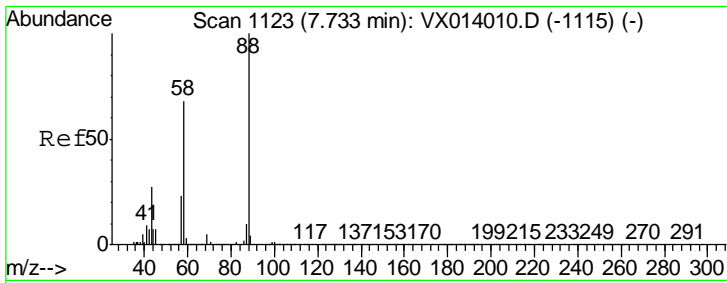


#48

Methyl methacrylate
 Concen: 19.997 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
41	123608		
69	80.5	65.8	98.6
39	55.8	44.6	67.0



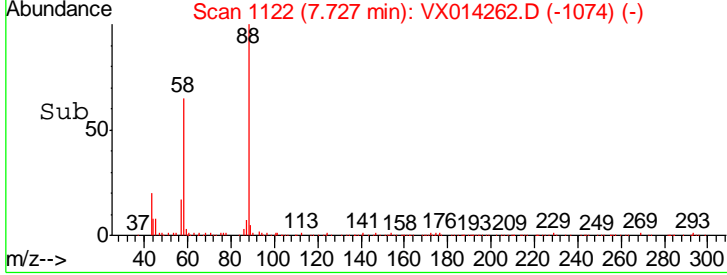
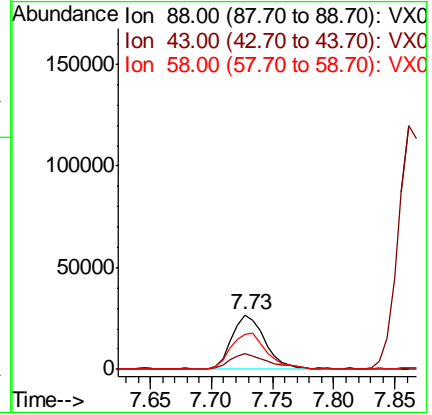
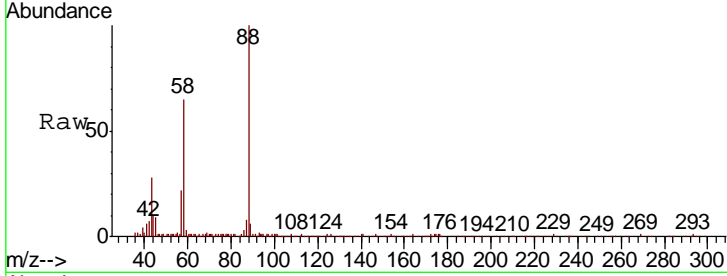


#49
 1,4-Dioxane
 Concen: 406.900 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
88	51185		
88	100		
43	32.2	26.5	39.7
58	69.2	56.8	85.2

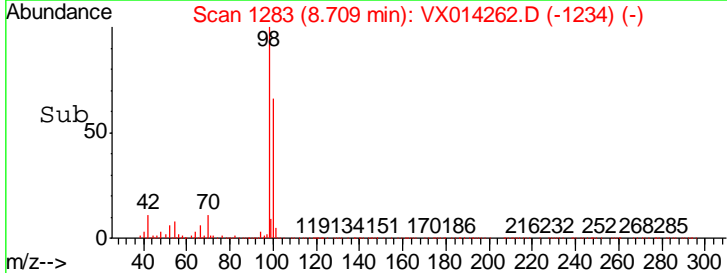
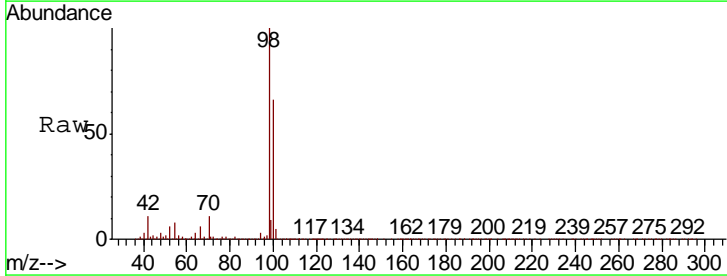
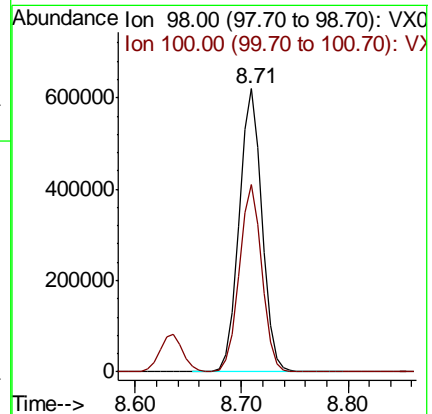
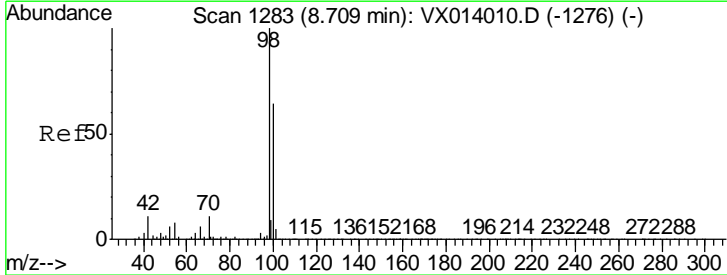
Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

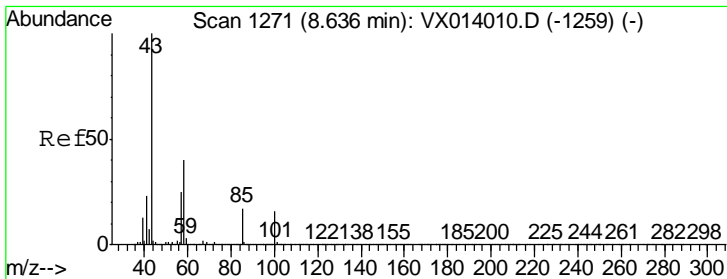
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#50
 Toluene-d8
 Concen: 52.182 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
98	929682		
98	100		
100	65.7	52.9	79.3



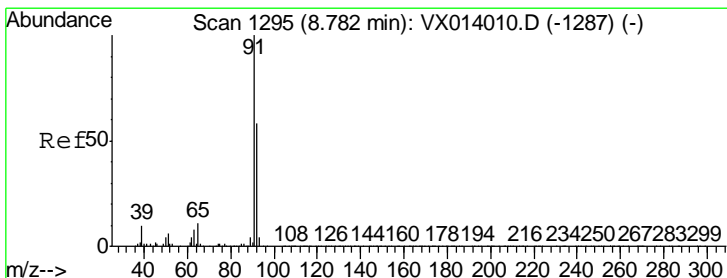
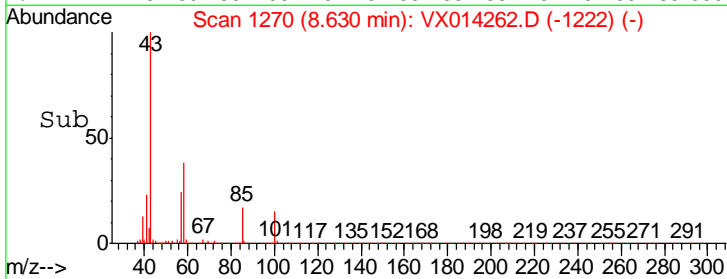
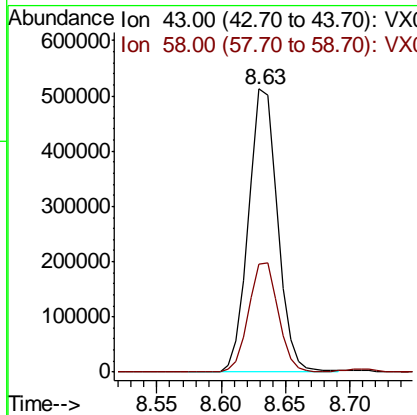
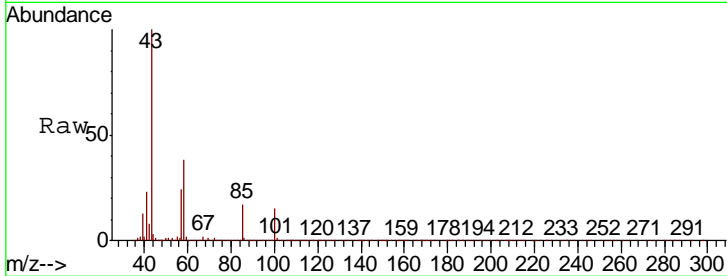


#51
 4-Methyl-2-Pentanone
 Concen: 100.259 ug/l
 RT: 8.63 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.2	48.2

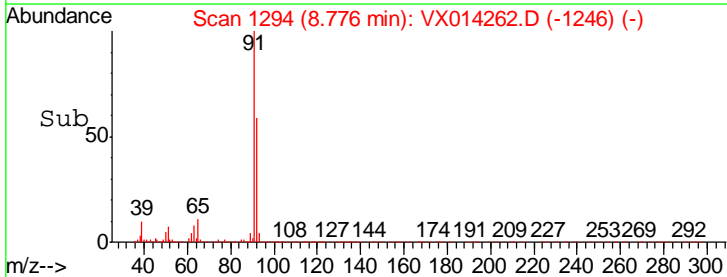
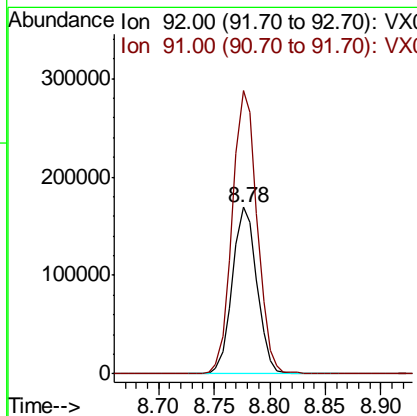
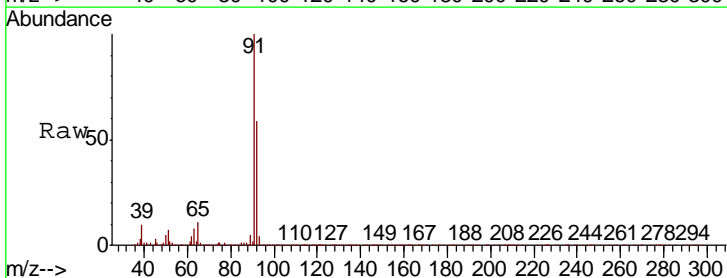
Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

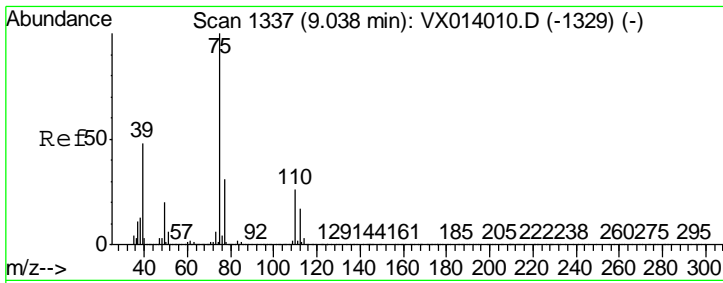
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#52
 Toluene
 Concen: 19.310 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.2	204.4



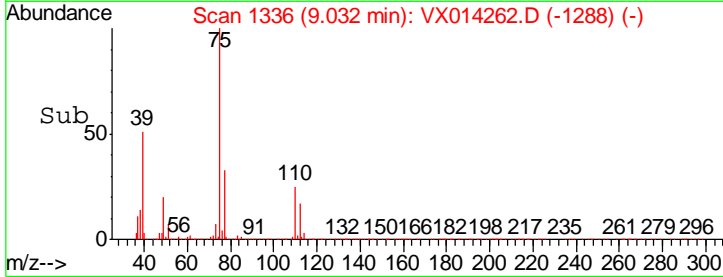
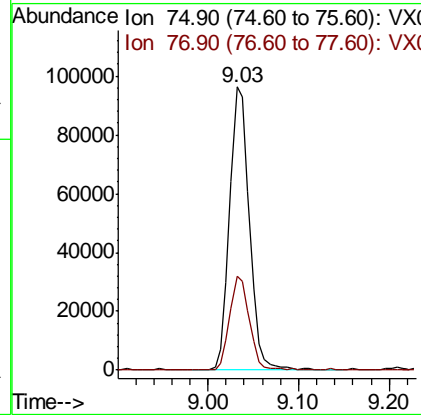
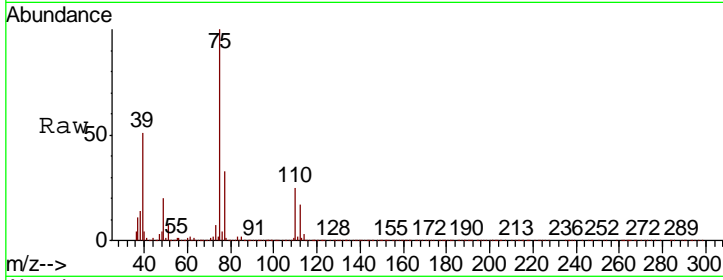


#53
 t-1,3-Dichloropropene
 Concen: 19.577 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

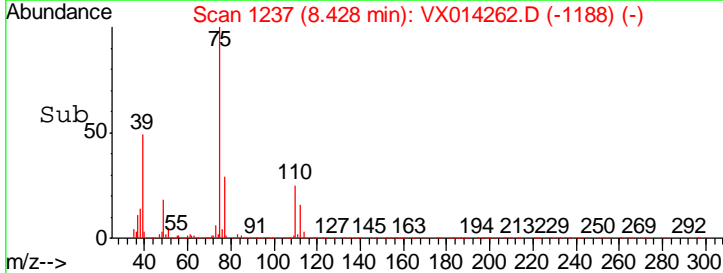
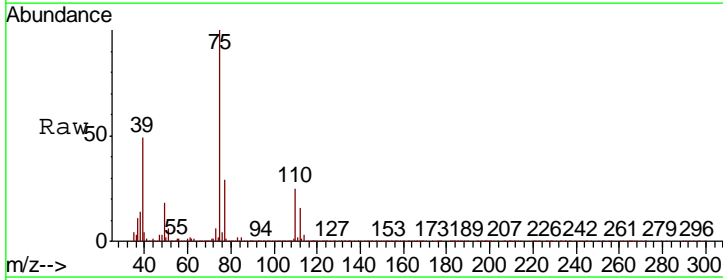
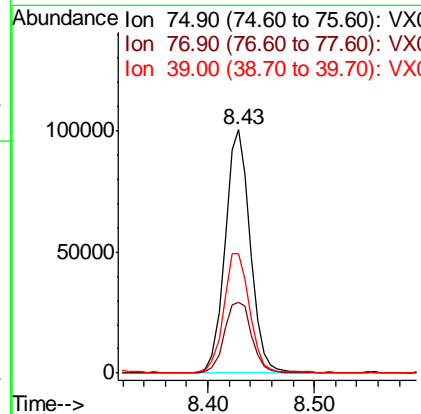
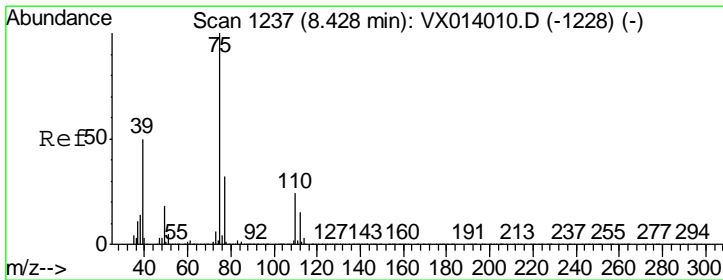
Tgt Ion	Resp	Lower	Upper
75	145607		
75	100		
77	33.2	25.1	37.7

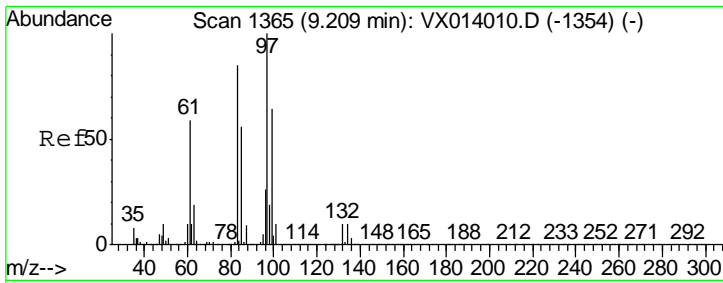
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 19.874 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
75	164674		
75	100		
77	29.2	25.3	37.9
39	49.0	39.9	59.9





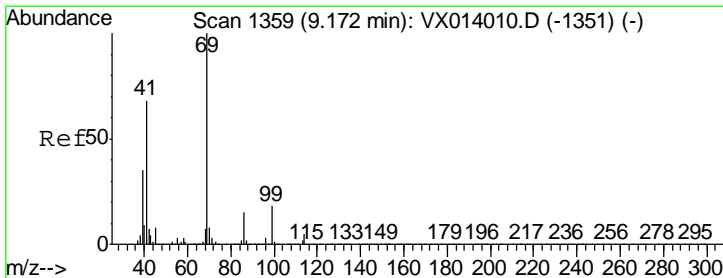
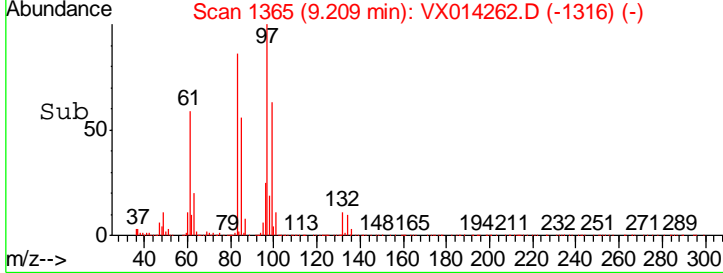
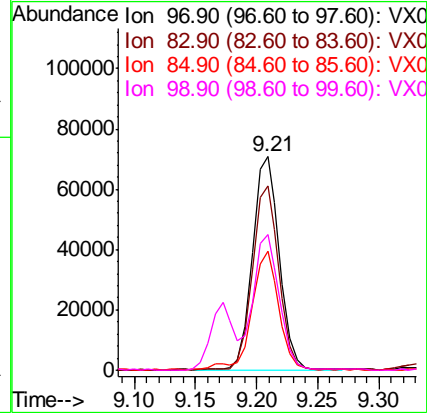
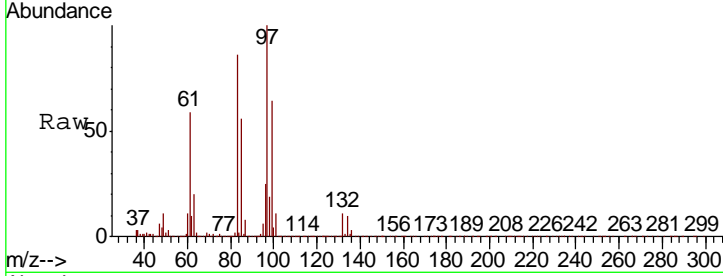
#55
 1,1,2-Trichloroethane
 Concen: 20.148 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
97	108475		
83	86.2	68.2	102.4
85	55.7	44.6	66.8
99	63.0	51.4	77.0

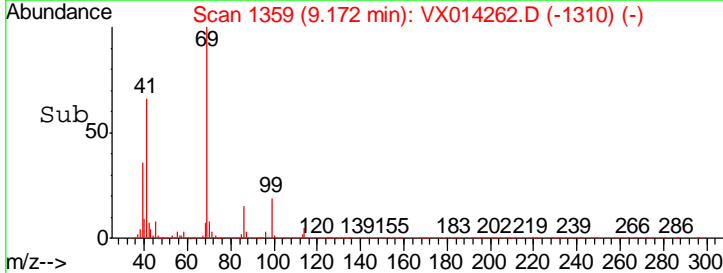
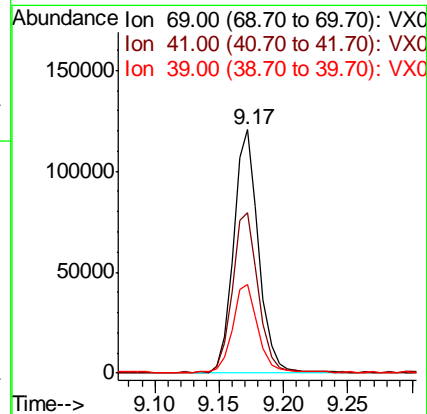
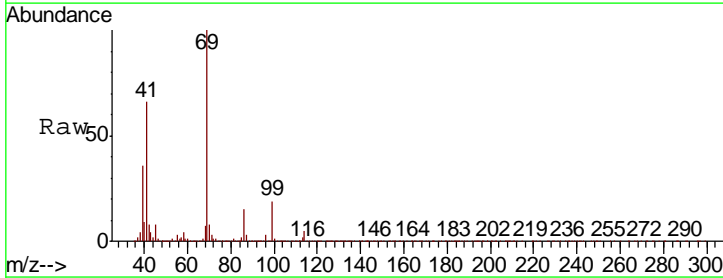
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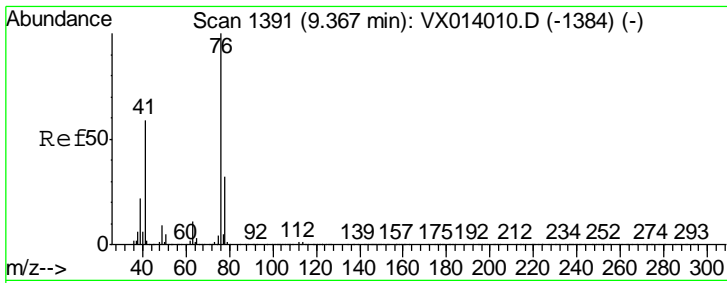
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#56
 Ethyl methacrylate
 Concen: 19.234 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
69	162666		
41	68.5	54.8	82.2
39	37.3	28.3	42.5



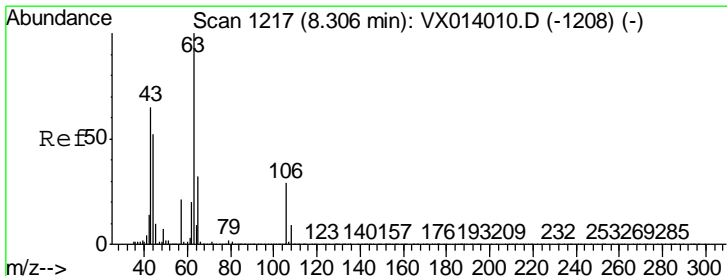
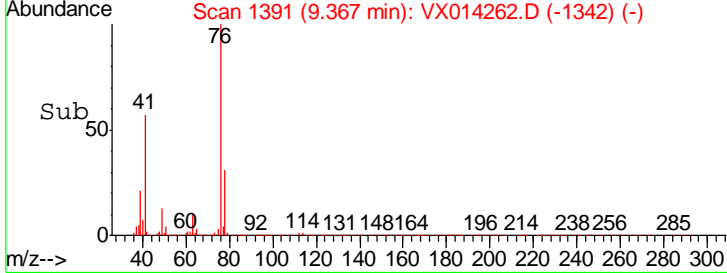
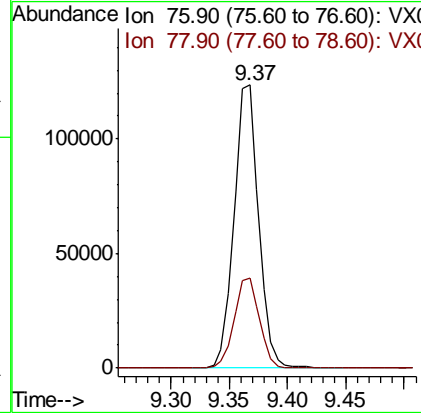
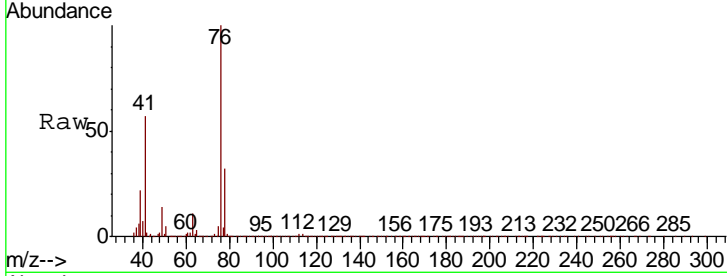


#57
 1,3-Dichloropropane
 Concen: 19.996 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
76	181131		
76	100		
78	33.0	25.8	38.6

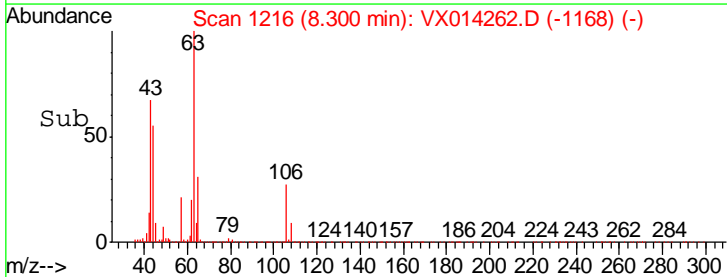
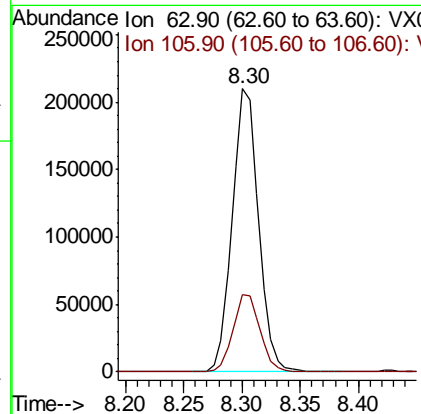
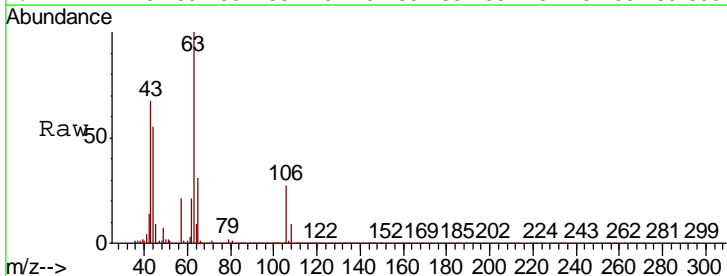
Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

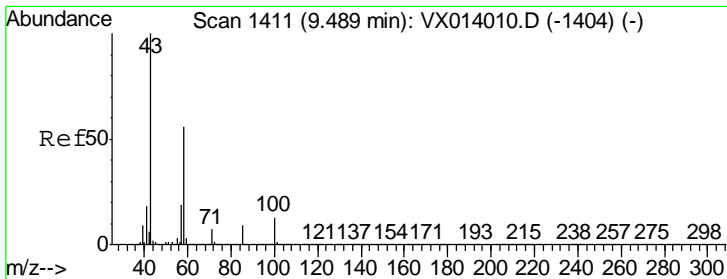
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.823 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
63	329092		
63	100		
106	28.0	23.0	34.6





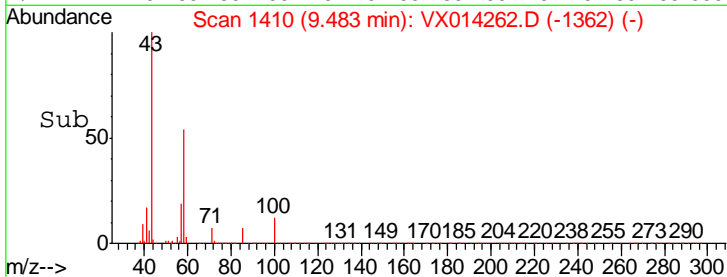
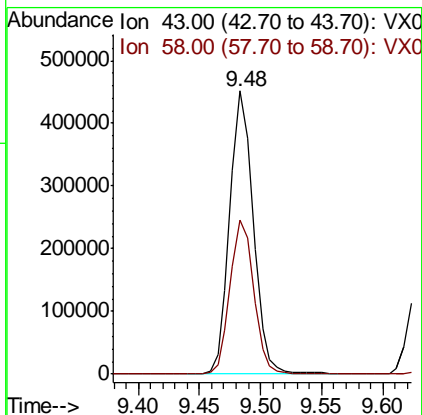
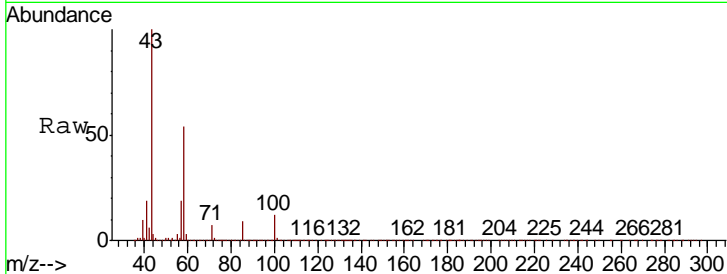
#59
 2-Hexanone
 Concen: 94.087 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.8	28.0	84.0

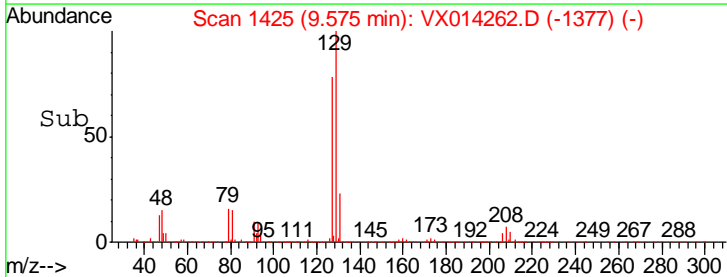
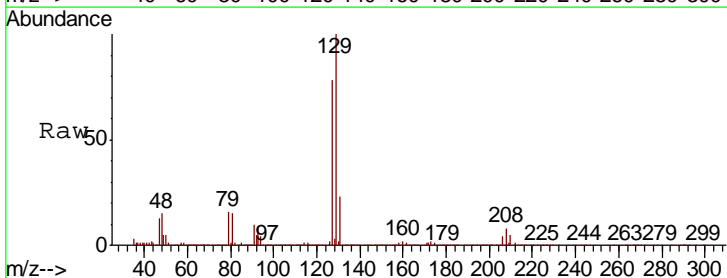
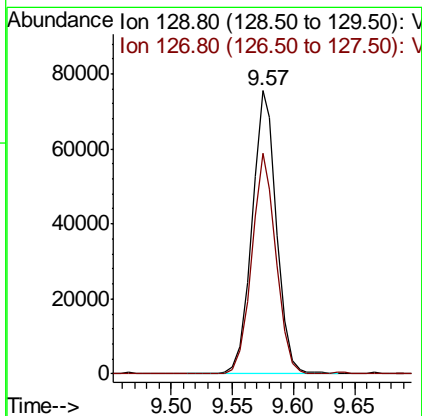
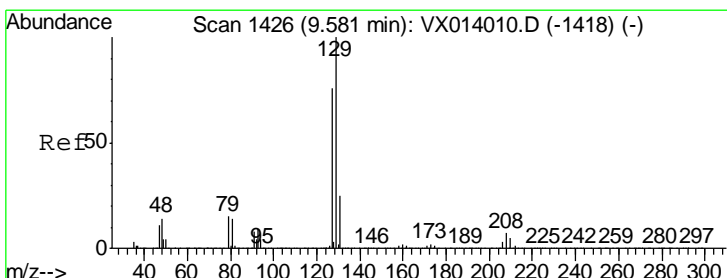
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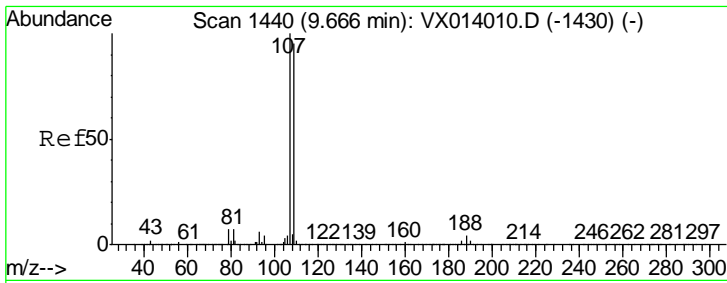
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#60
 Dibromochloromethane
 Concen: 19.741 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.4	115.2



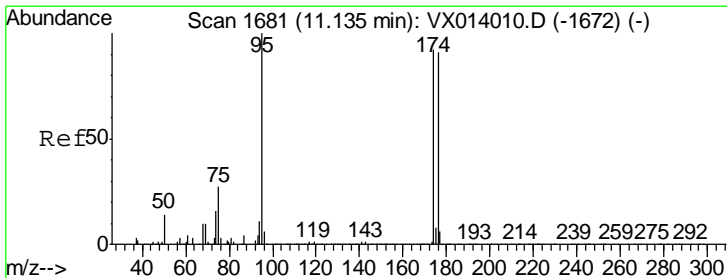
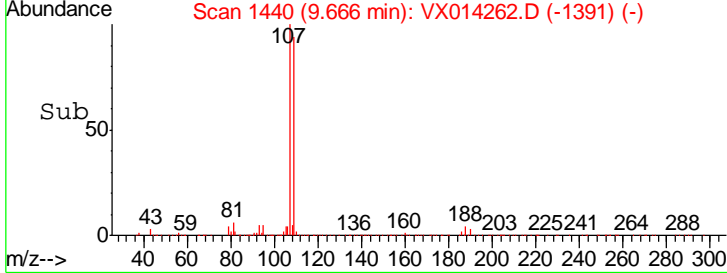
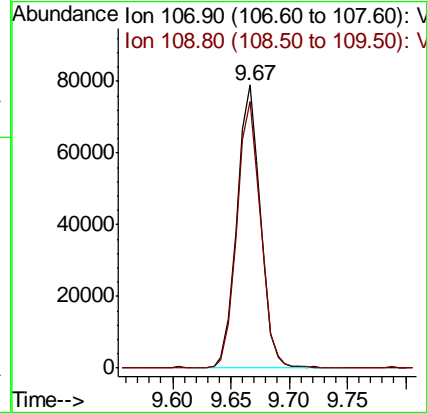
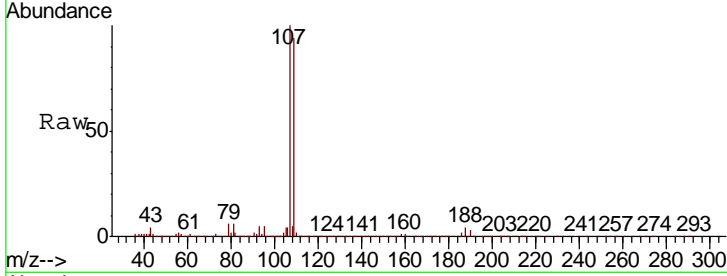


#61
 1,2-Dibromoethane
 Concen: 20.078 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
107	110604		
109	96.0	75.7	113.5

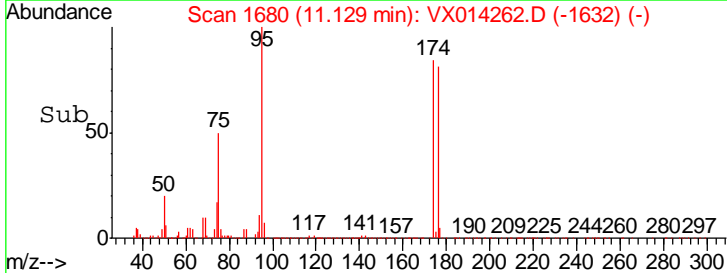
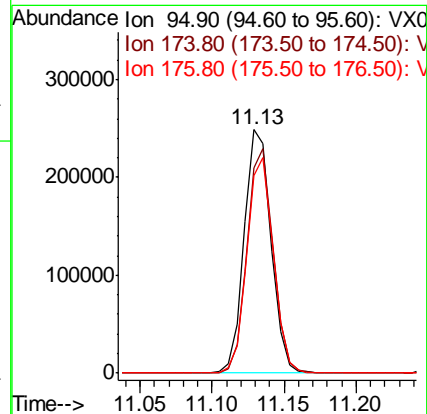
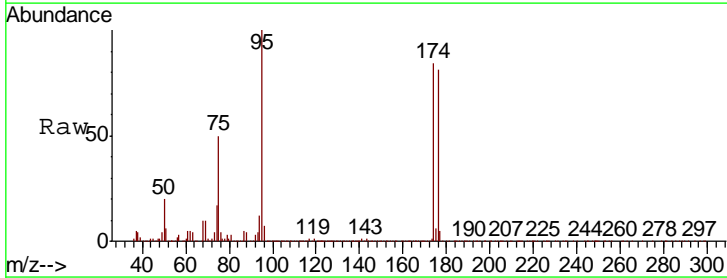
Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

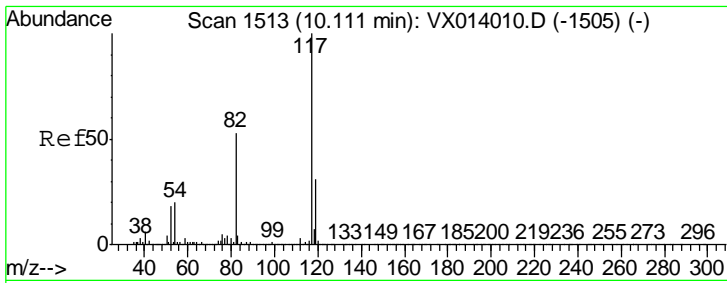
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#62
 4-Bromofluorobenzene
 Concen: 49.277 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
95	320922		
174	89.5	0.0	175.8
176	86.9	0.0	173.0



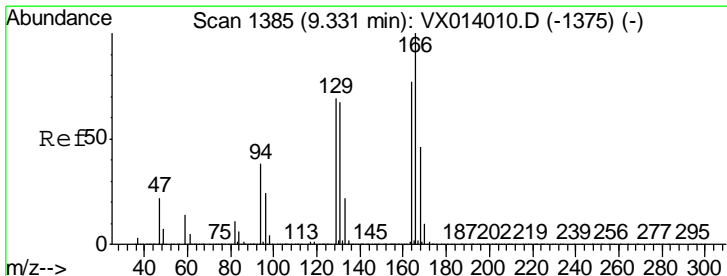
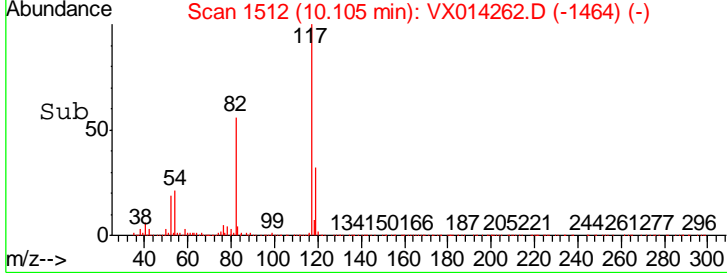
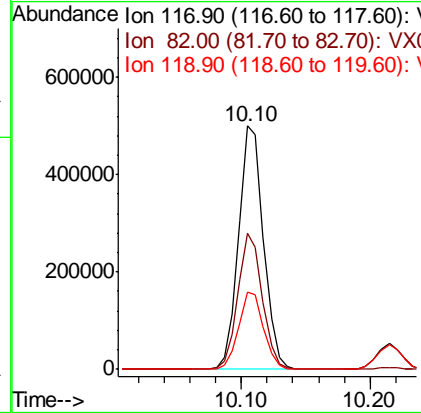
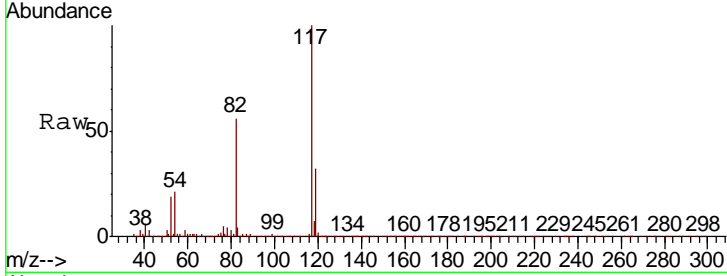


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

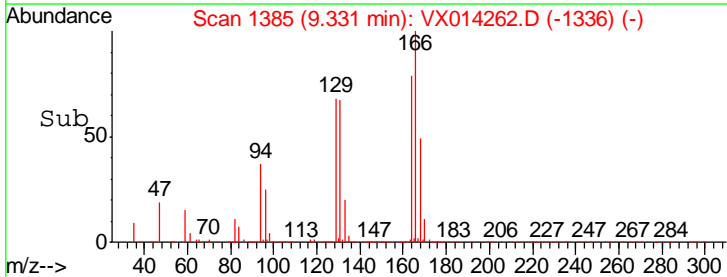
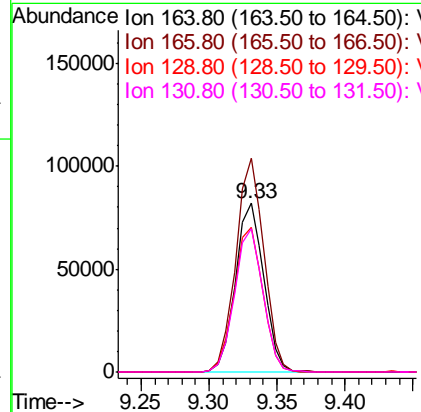
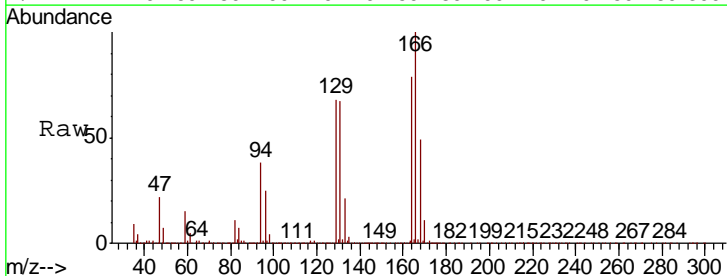
Tgt Ion	Resp	Lower	Upper
117	100		
82	55.7	42.2	63.4
119	31.9	25.1	37.7

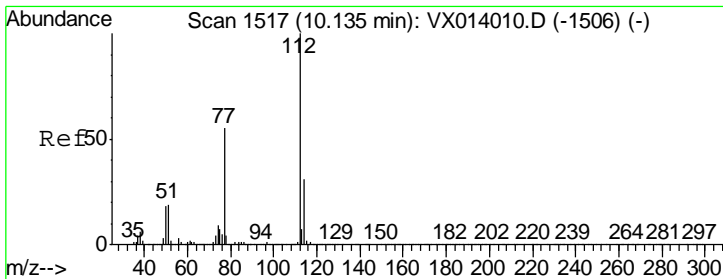
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#64
 Tetrachloroethene
 Concen: 19.956 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
164	100		
166	126.6	104.0	156.0
129	85.8	72.2	108.4
131	85.0	69.6	104.4



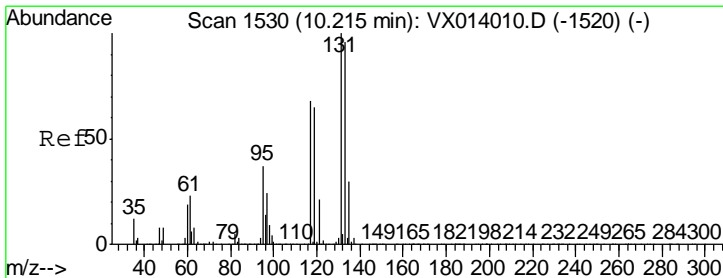
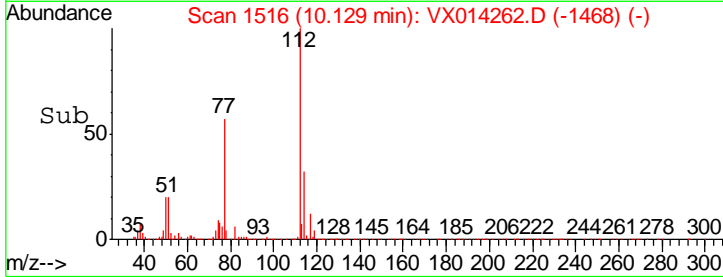
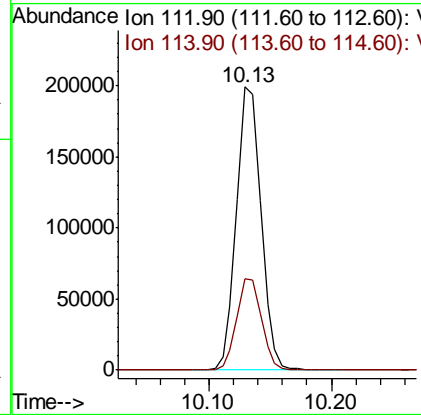
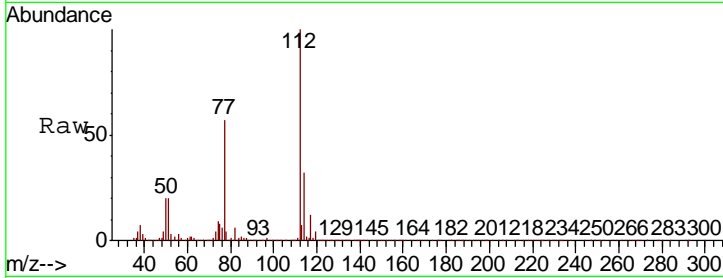


#65
 Chlorobenzene
 Concen: 19.321 ug/l
 RT: 10.13 min Scan# 1516
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

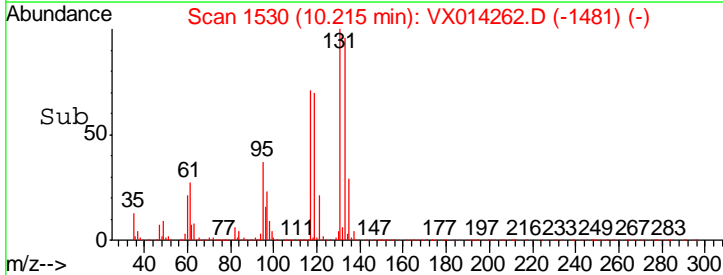
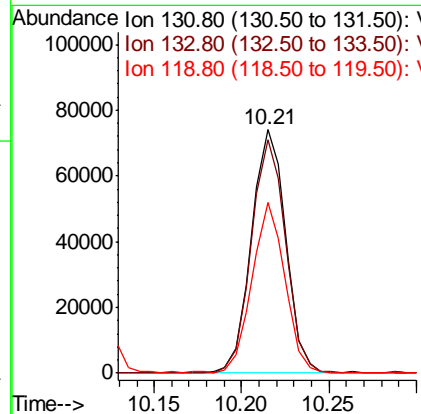
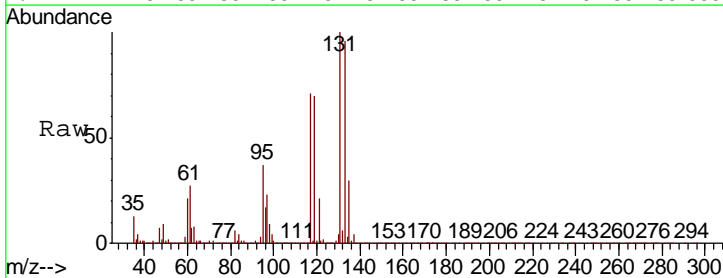
Tgt Ion	Resp	Lower	Upper
112	276575		
114	32.4	24.9	37.3

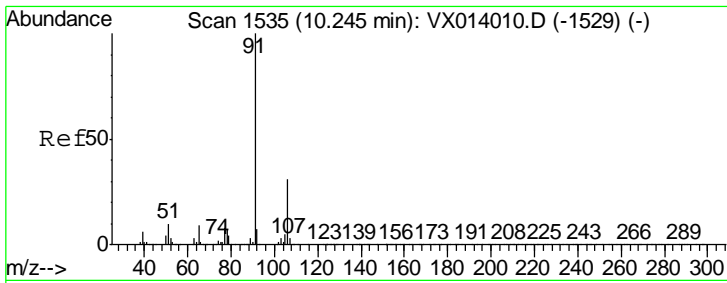
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.913 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
131	101780		
133	96.1	48.0	144.0
119	66.5	33.4	100.2



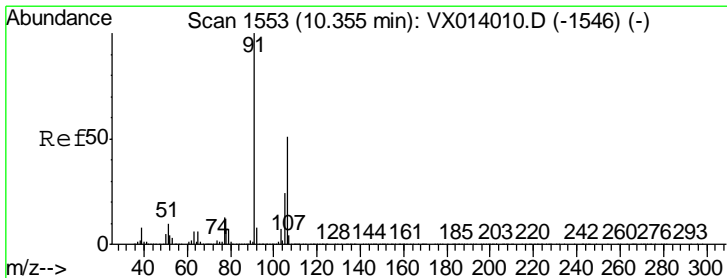
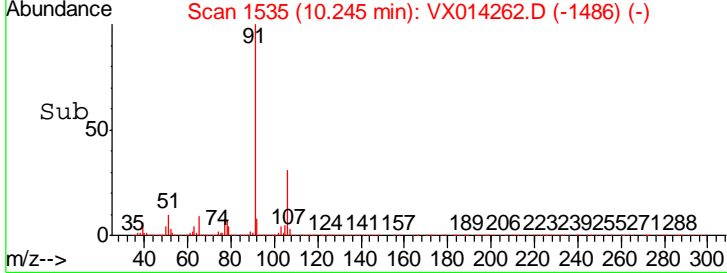
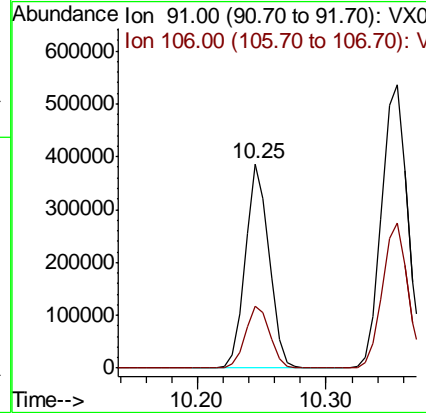
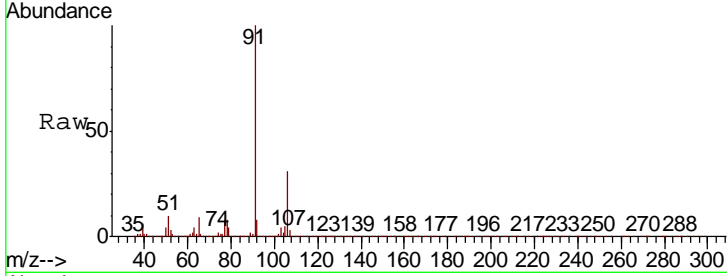


#67
 Ethyl Benzene
 Concen: 19.828 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

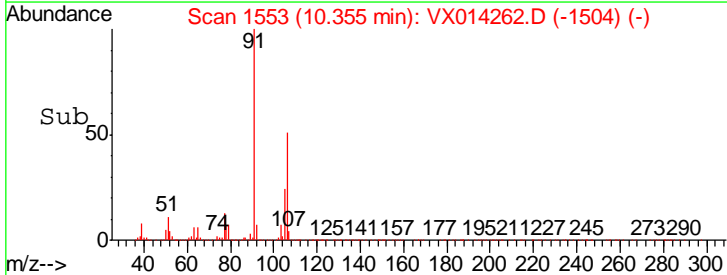
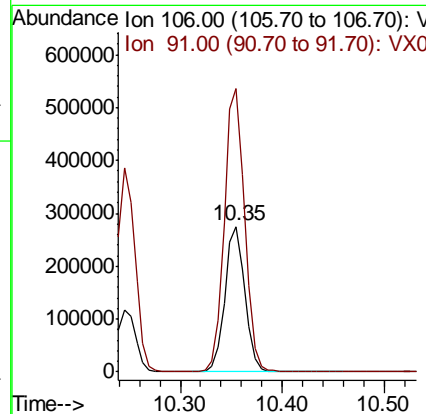
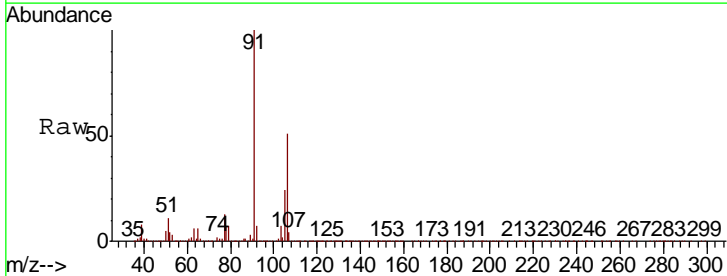
Tgt Ion	Resp	Lower	Upper
91	100		
106	30.5	25.0	37.6

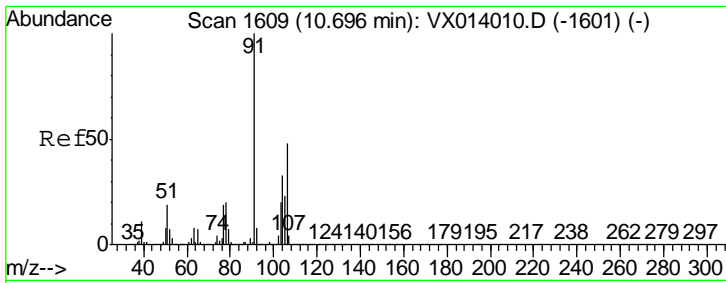
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#68
 m/p-Xylenes
 Concen: 39.455 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
106	100		
91	198.8	158.6	238.0



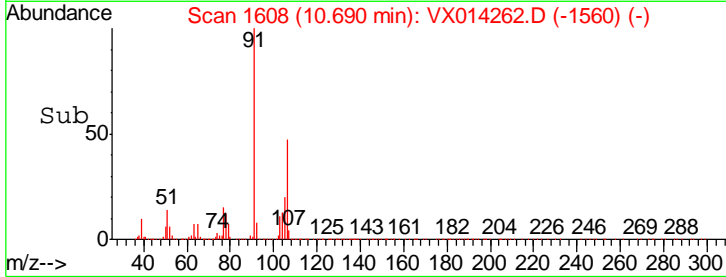
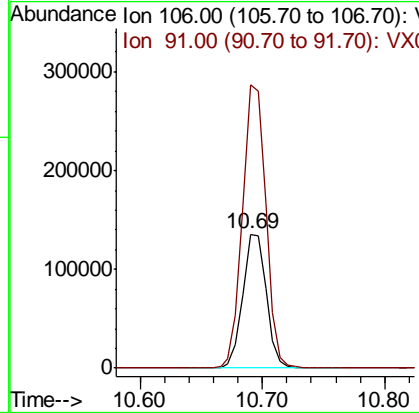
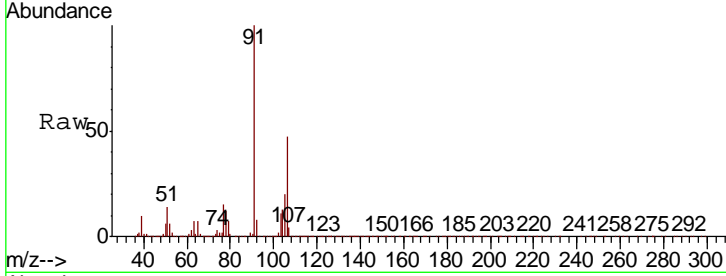


#69
 o-Xylene
 Concen: 19.362 ug/l
 RT: 10.69 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

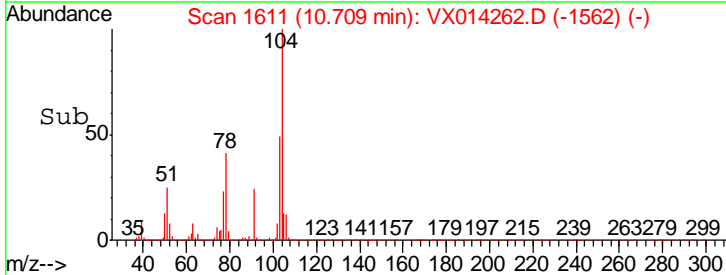
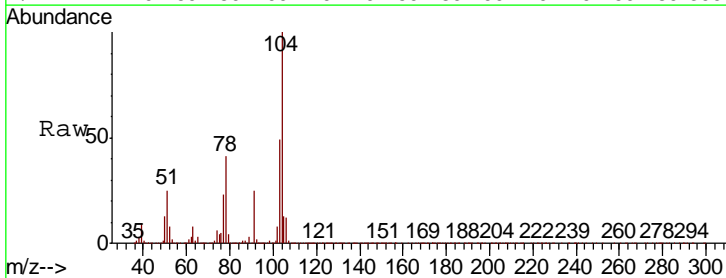
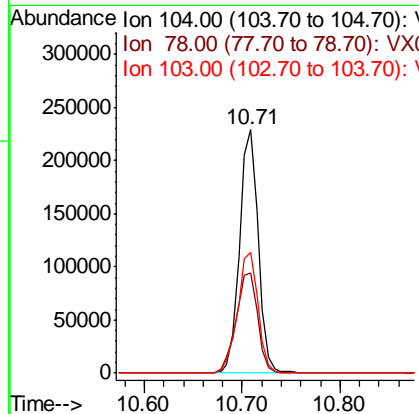
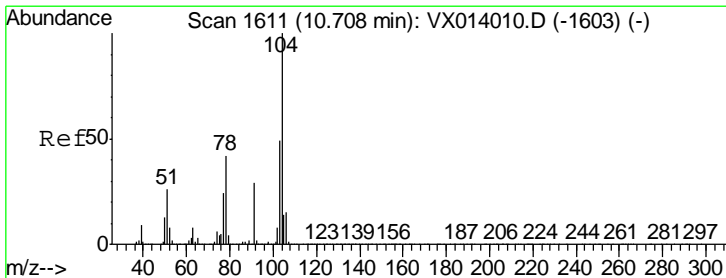
Tgt Ion	Resp	Lower	Upper
106	179744		
106	100		
91	210.7	104.2	312.6

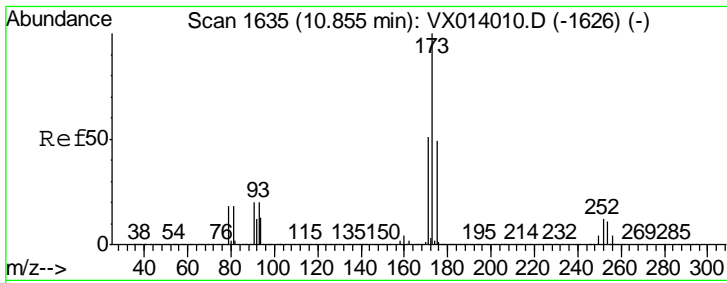
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#70
 Styrene
 Concen: 19.323 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
104	303329		
104	100		
78	47.8	38.5	57.7
103	54.3	42.9	64.3





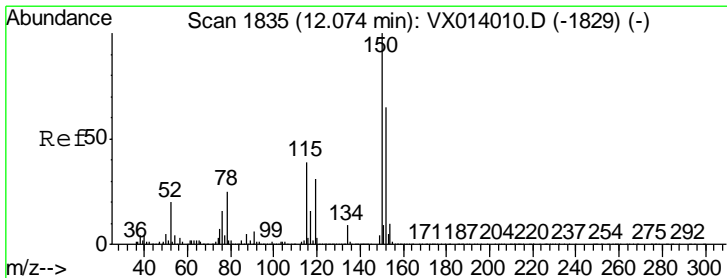
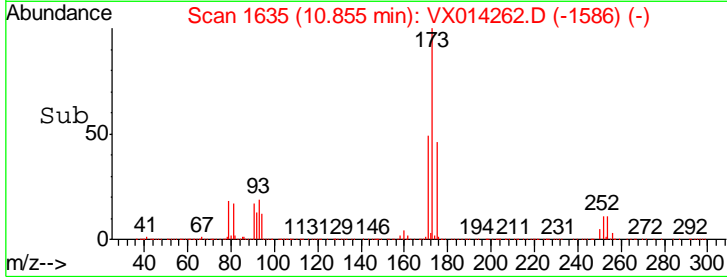
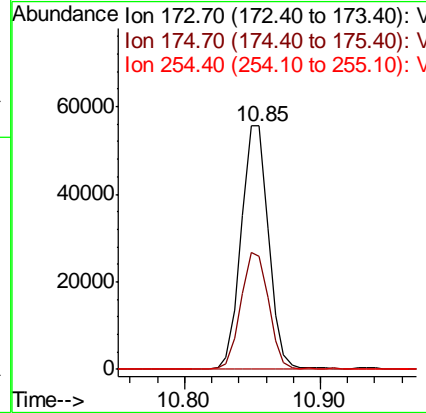
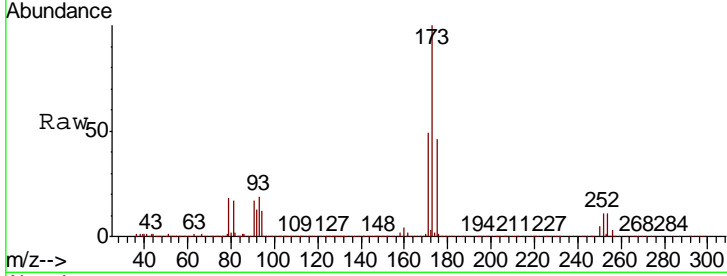
#71
 Bromoform
 Concen: 19.060 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
173	78308		
175	48.9	24.4	73.4
254	0.2	0.2	0.2

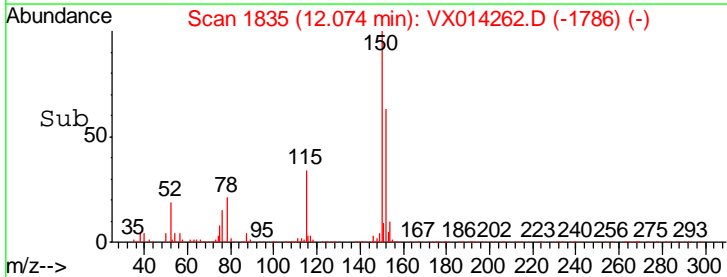
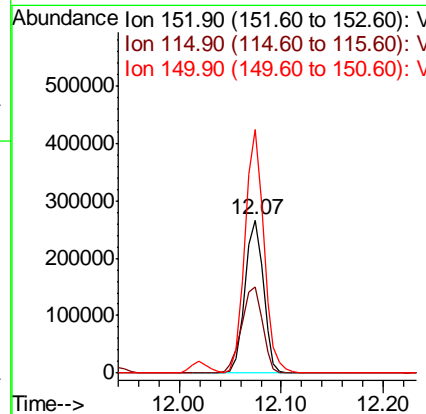
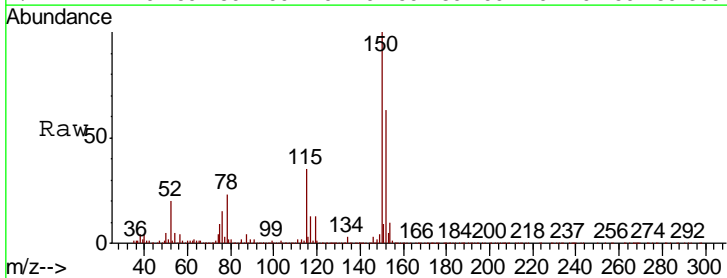
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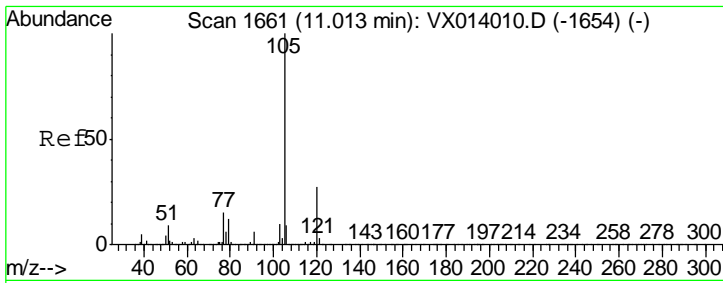
apatel
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
152	331077		
152	100		
115	64.1	38.3	114.9
150	162.2	0.0	345.4



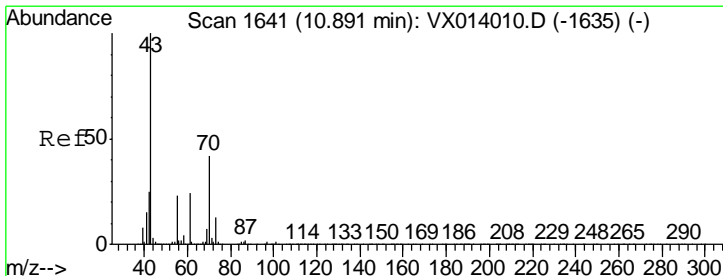
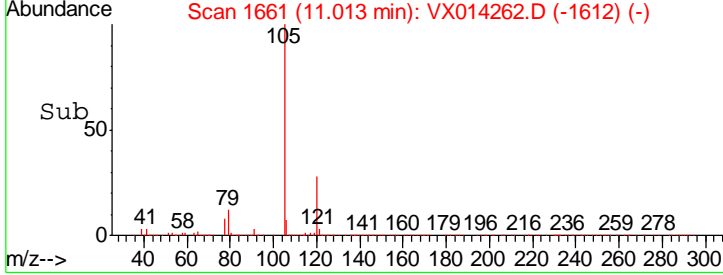
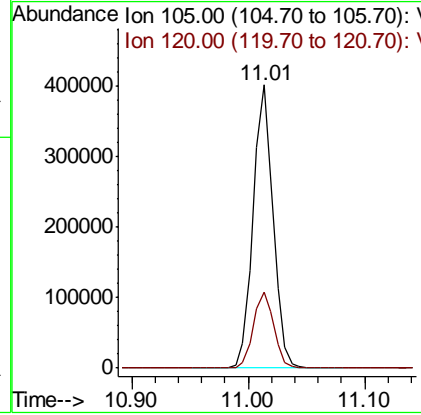
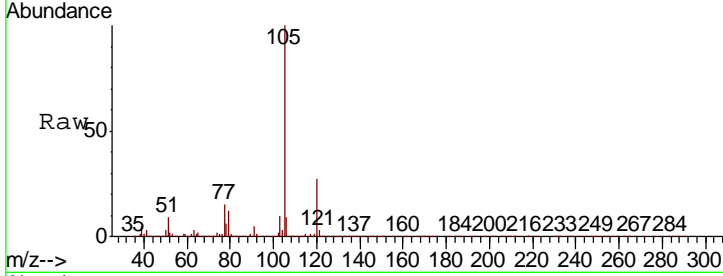


#73
 Isopropylbenzene
 Concen: 20.656 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

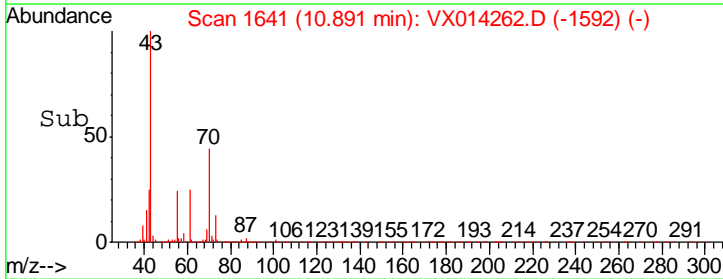
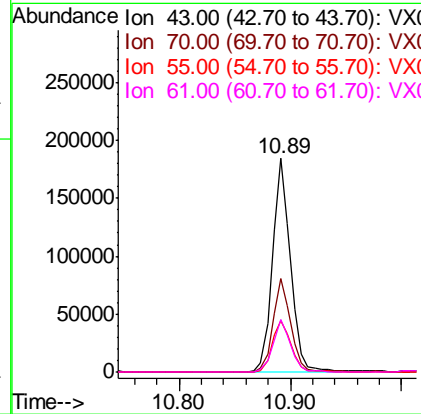
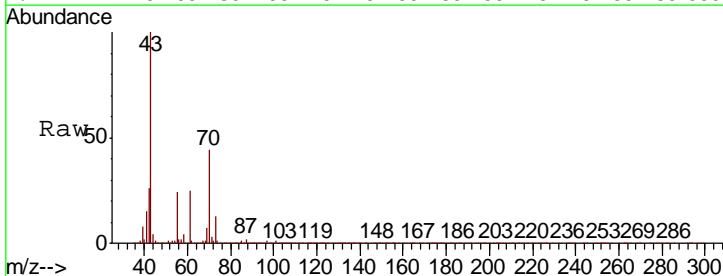
Tgt Ion	Resp	Lower	Upper
105	481488	100	100
120	27.6	13.5	40.4

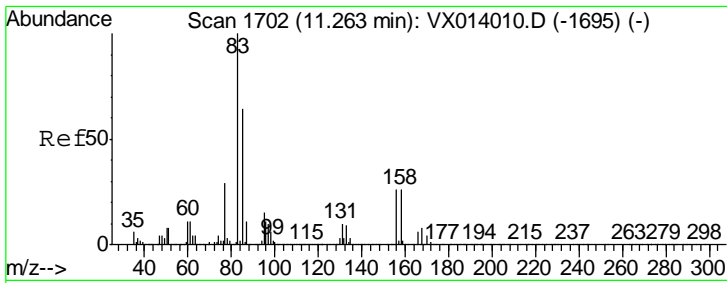
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#74
 N-ethyl acetate
 Concen: 18.925 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
43	206789	100	100
70	43.6	34.4	51.6
55	26.0	19.1	28.7
61	24.4	19.7	29.5





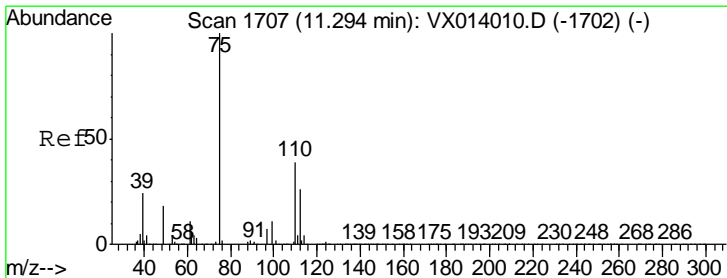
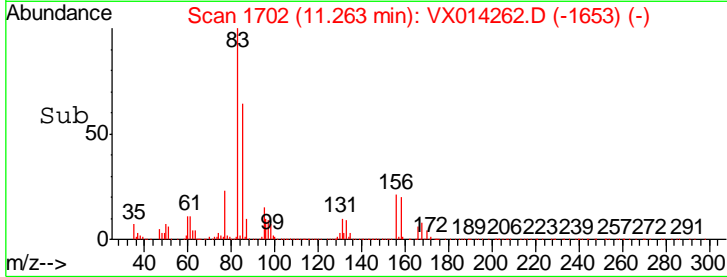
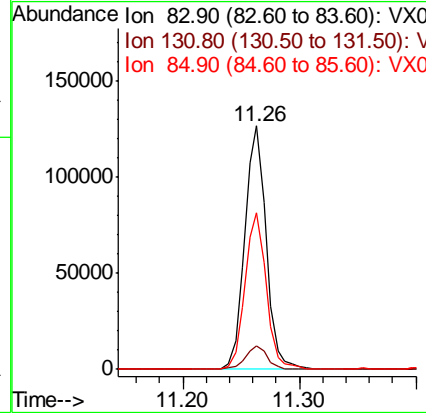
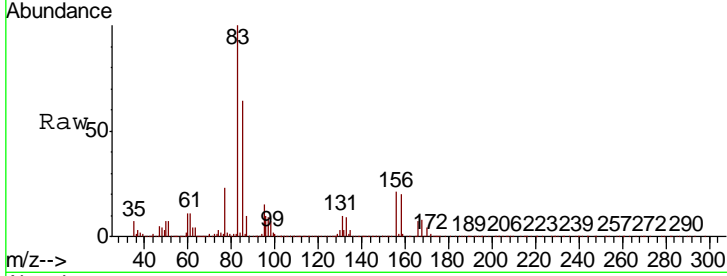
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.061 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
83	162121		
131	9.9	5.1	15.2
85	64.5	31.9	95.7

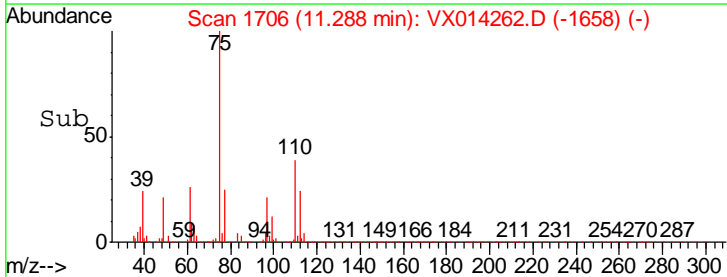
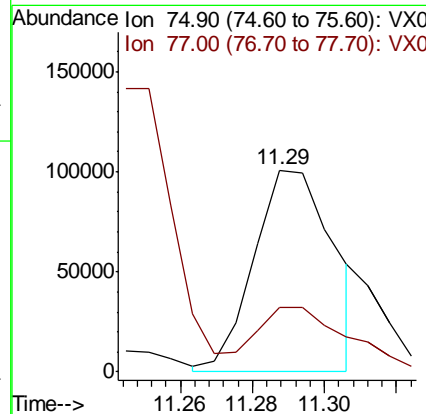
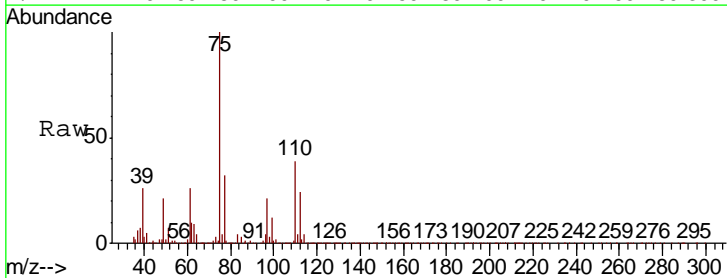
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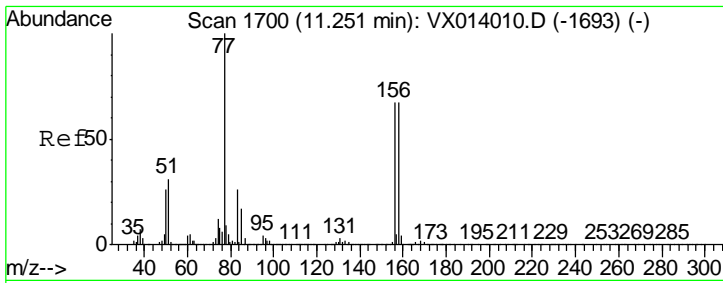
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#76
 1,2,3-Trichloropropane
 Concen: 21.322 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
75	153254		
77	35.9	19.3	57.8



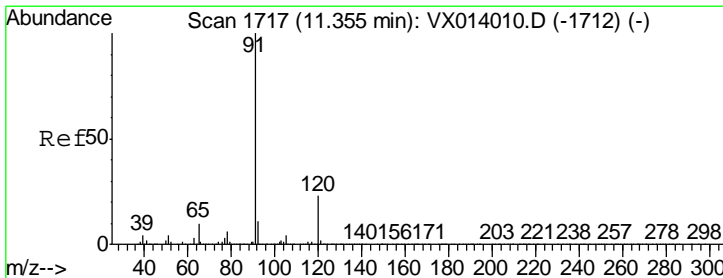
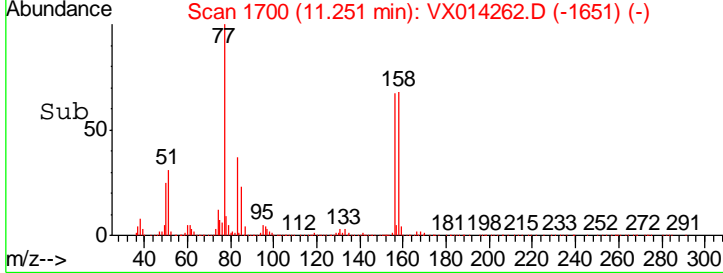
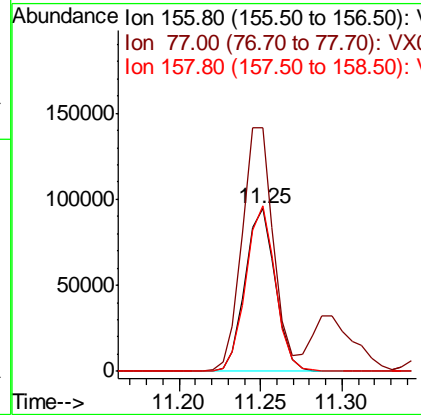
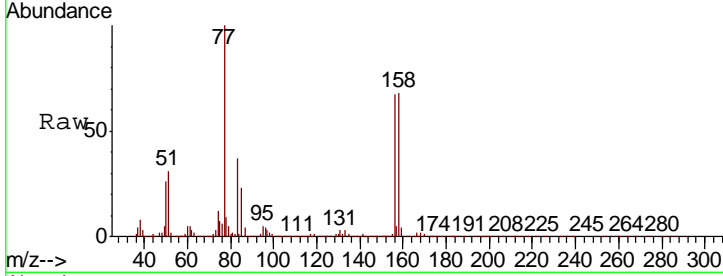


#77
 Bromobenzene
 Concen: 19.180 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

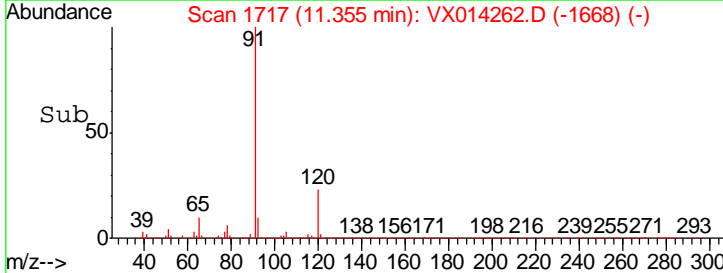
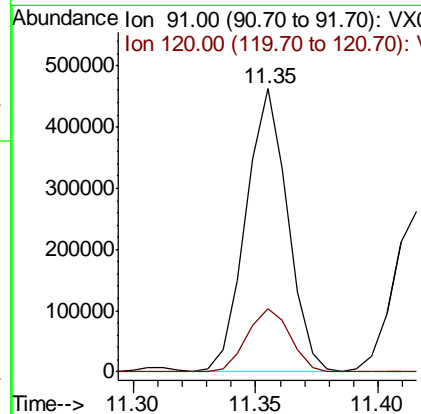
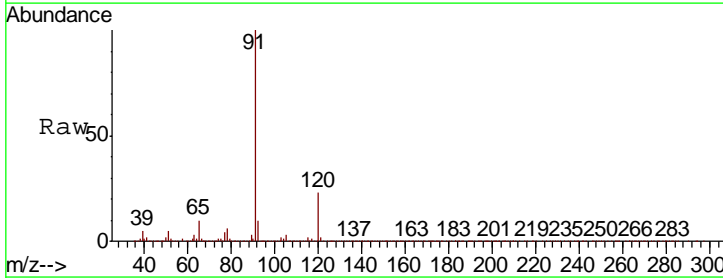
Tgt Ion	Resp	Lower	Upper
156	123012		
77	153.4	76.5	229.5
158	98.9	49.3	147.9

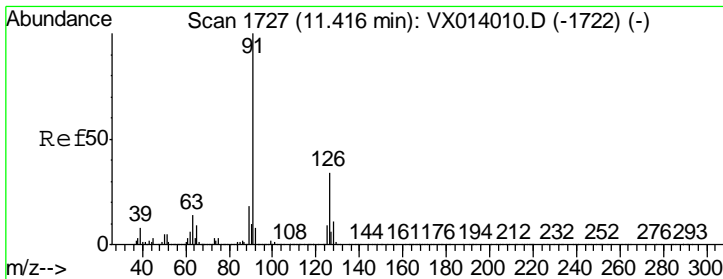
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#78
 n-propylbenzene
 Concen: 20.813 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
91	544178		
120	23.3	11.7	35.0





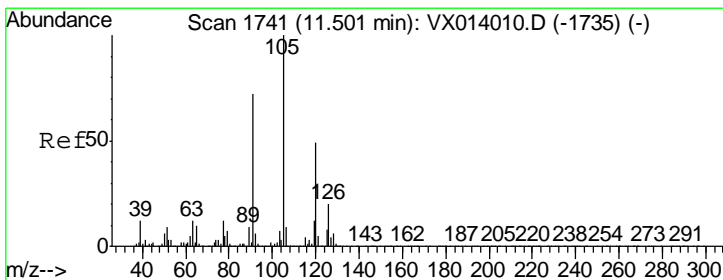
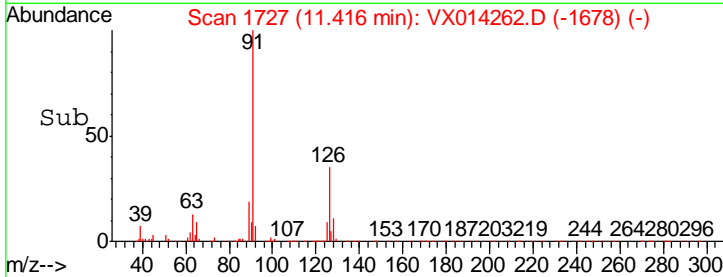
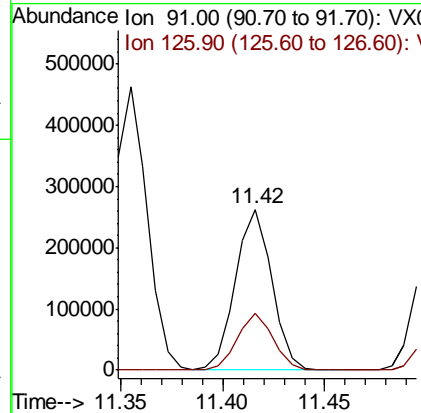
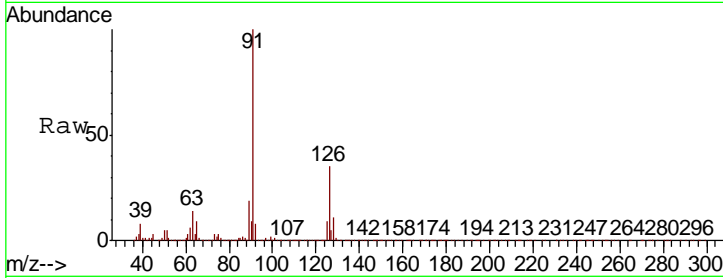
#79
 2-Chlorotoluene
 Concen: 20.218 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
91	321338	100	
126	34.9	17.2	51.6

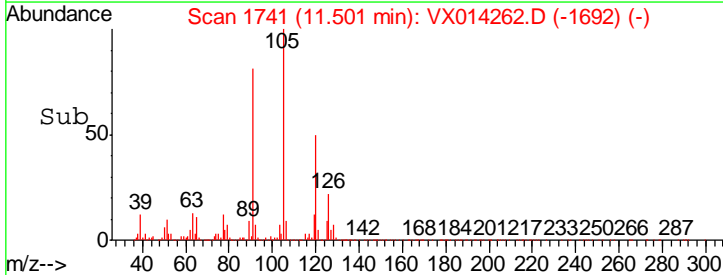
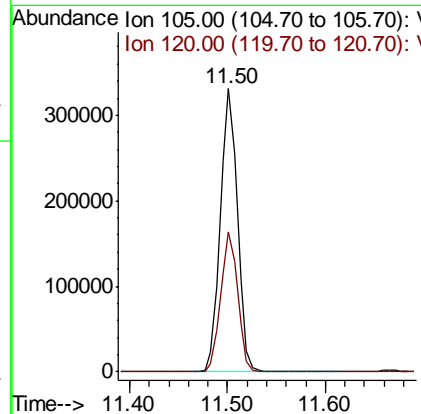
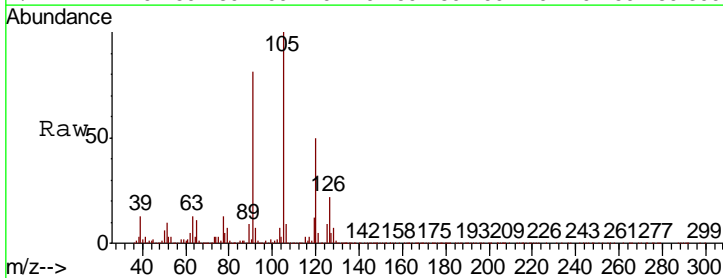
Manual Integrations
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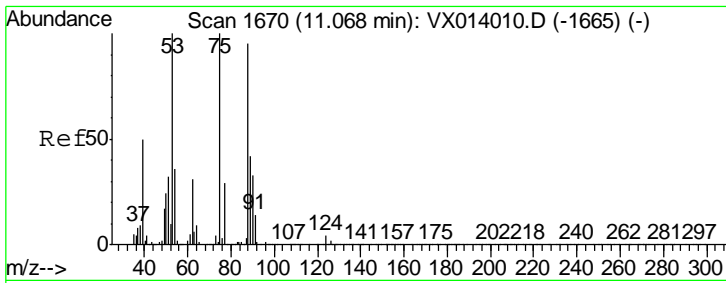
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.464 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
105	401471	100	
120	49.5	25.3	75.8





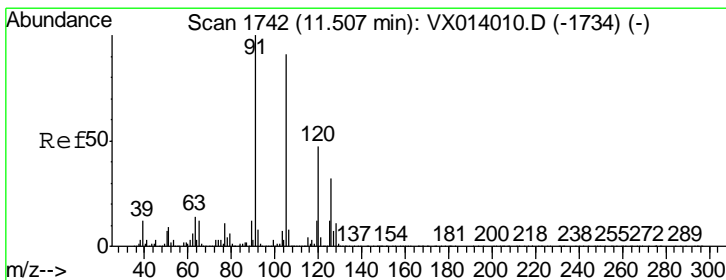
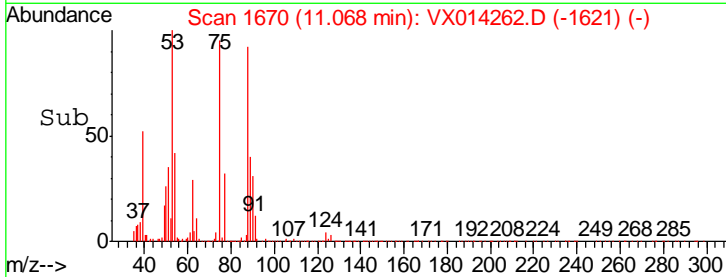
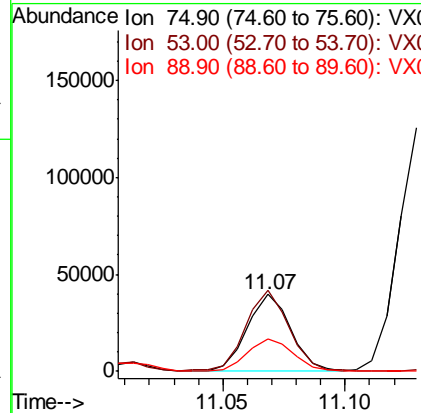
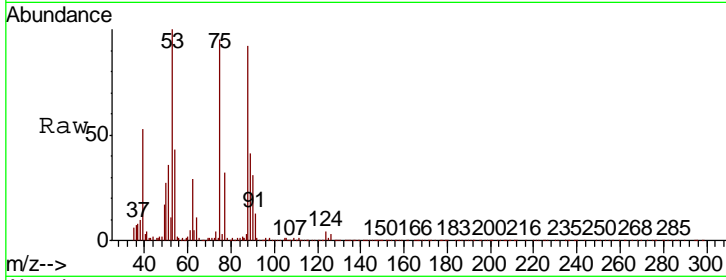
#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.189 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
75	48864		
75	100		
53	102.8	76.7	115.1
89	44.2	34.6	51.8

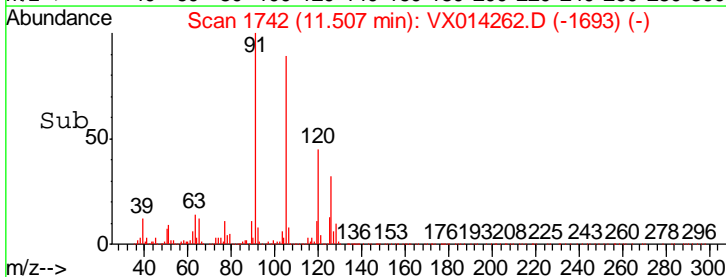
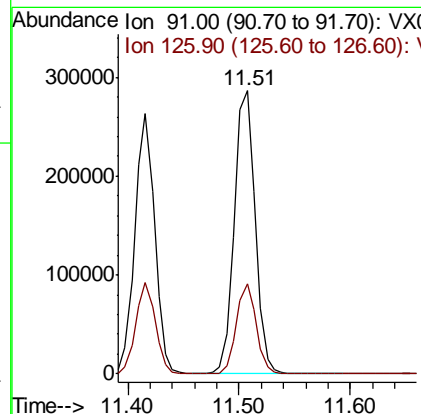
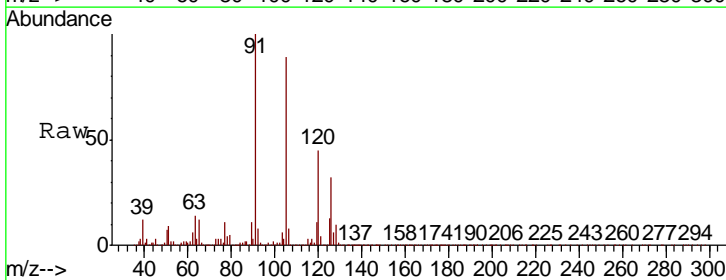
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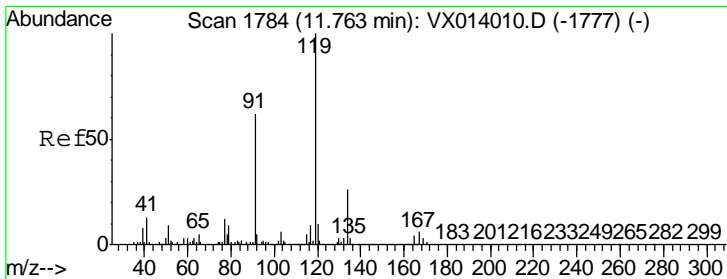
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#82
 4-Chlorotoluene
 Concen: 20.027 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
91	369231		
91	100		
126	30.5	15.6	46.8





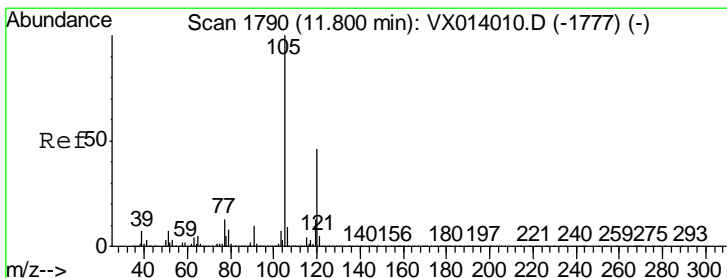
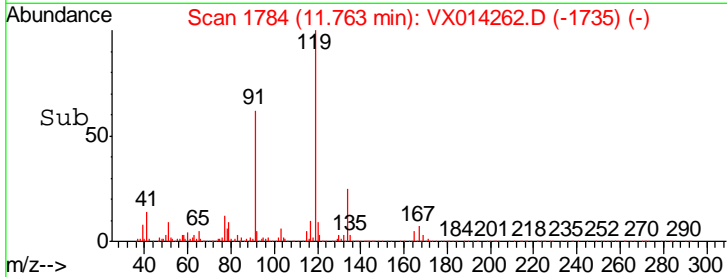
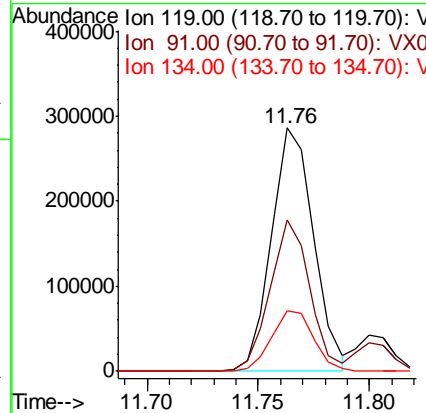
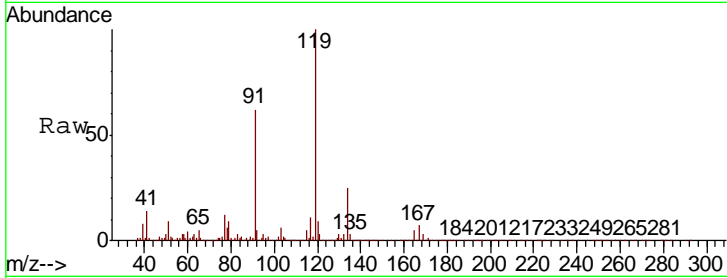
#83
 tert-Butylbenzene
 Concen: 19.724 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

Tgt Ion	Resp	Lower	Upper
119	376568		
91	58.2	28.5	85.6
134	25.0	12.2	36.6

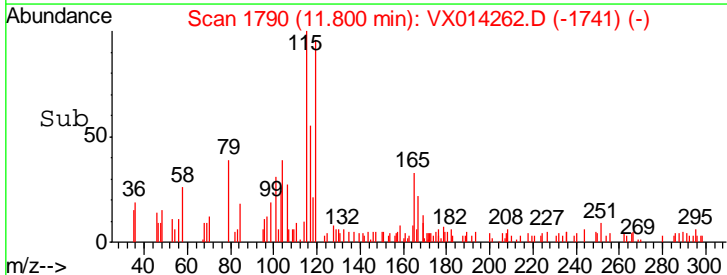
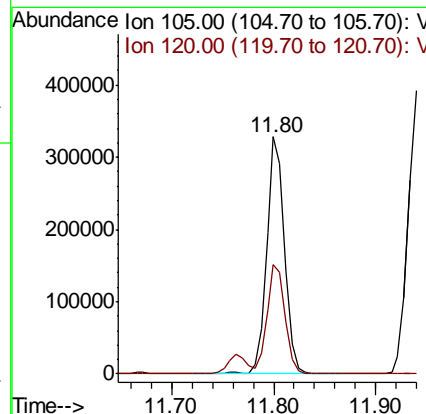
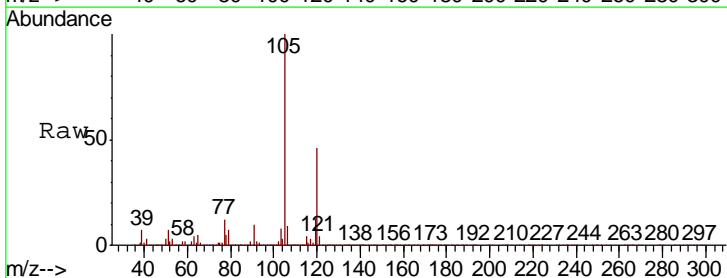
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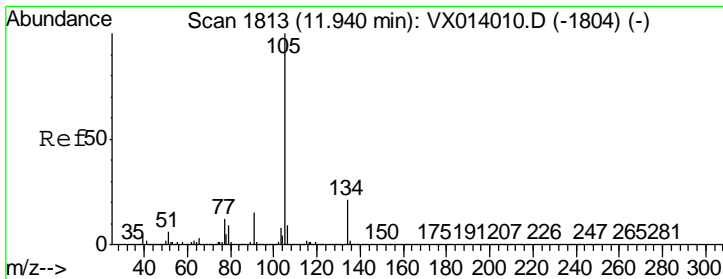
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.410 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
105	400980		
120	46.5	23.1	69.2



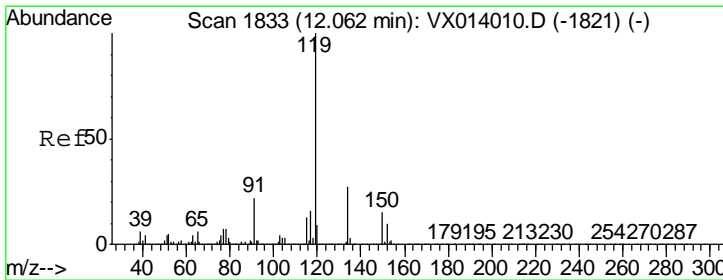
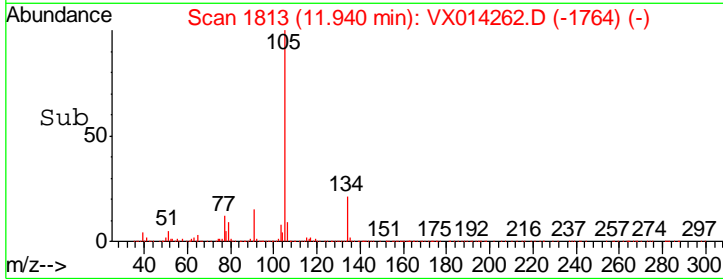
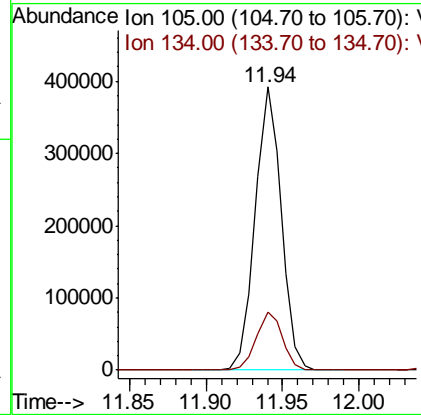
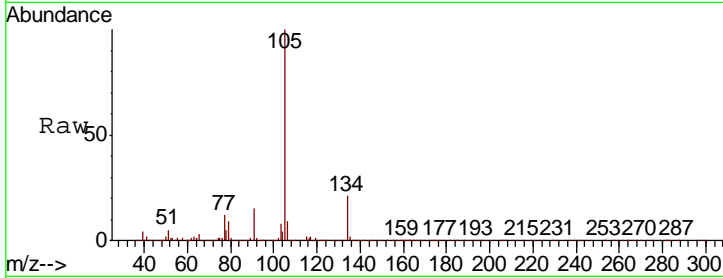


#85
 sec-Butylbenzene
 Concen: 20.618 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

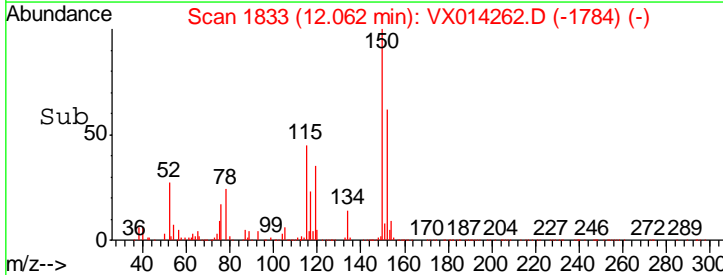
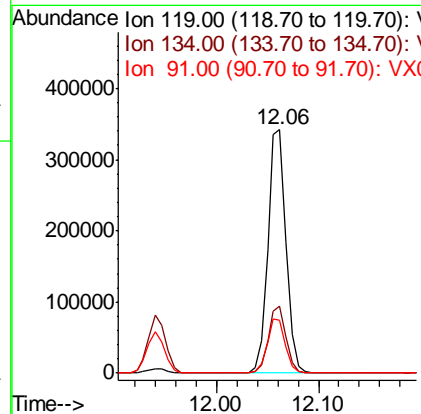
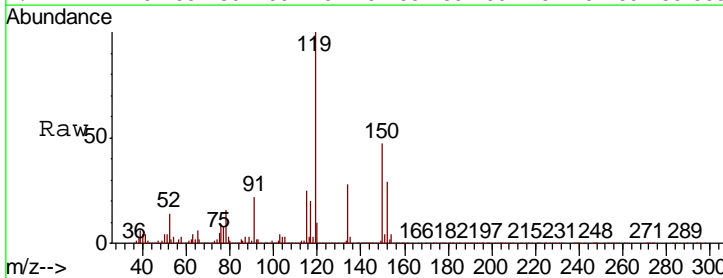
Tgt Ion	Resp	Lower	Upper
105	464690		
105	100		
134	20.7	10.4	31.1

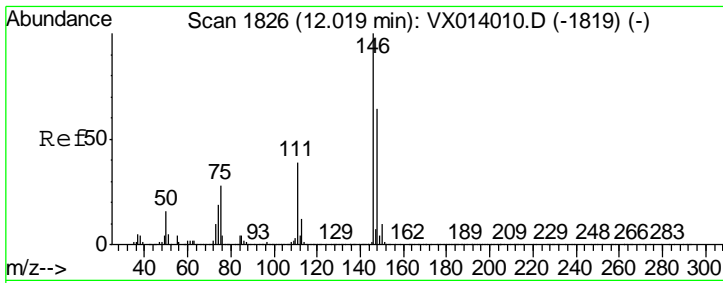
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#86
 p-Isopropyltoluene
 Concen: 20.541 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
119	423489		
119	100		
134	26.9	13.4	40.1
91	22.5	11.4	34.1



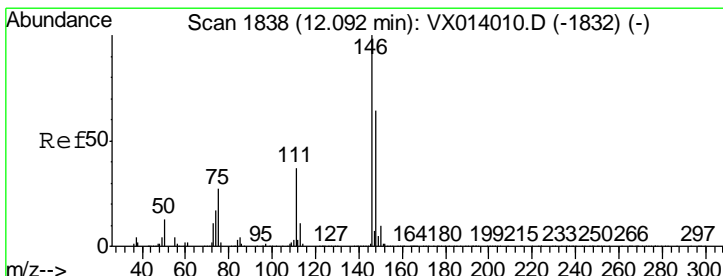
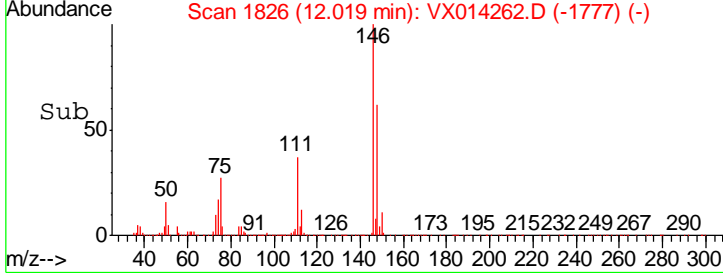
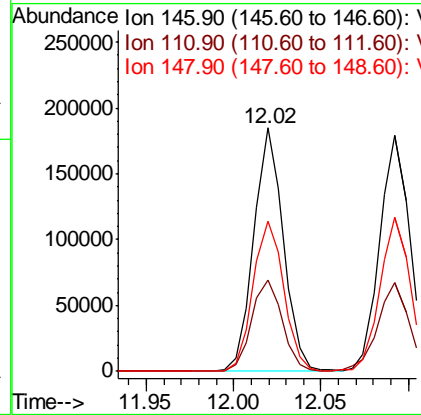
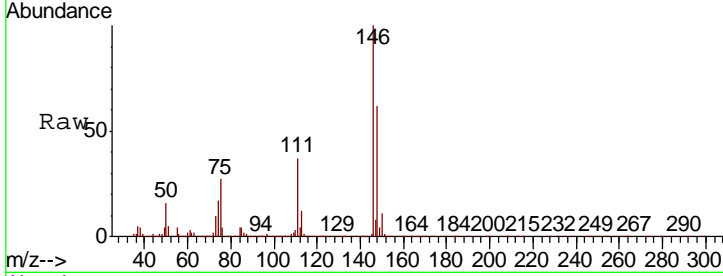


#87
 1,3-Dichlorobenzene
 Concen: 19.333 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

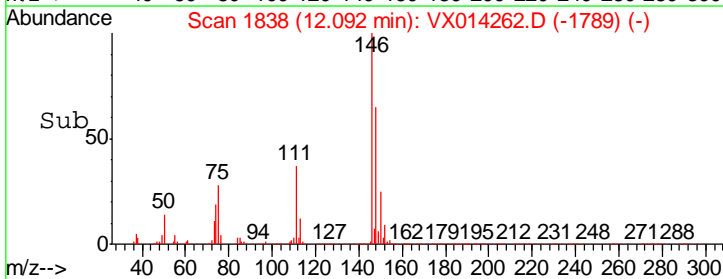
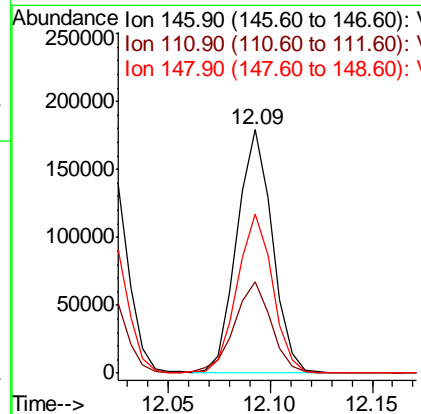
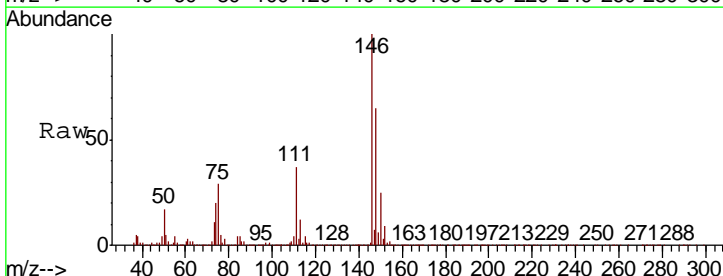
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.1	32.3	96.9

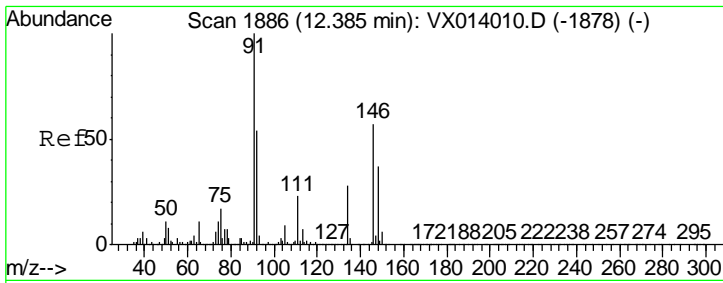
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 18.788 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.7	56.1
148	65.3	31.9	95.9



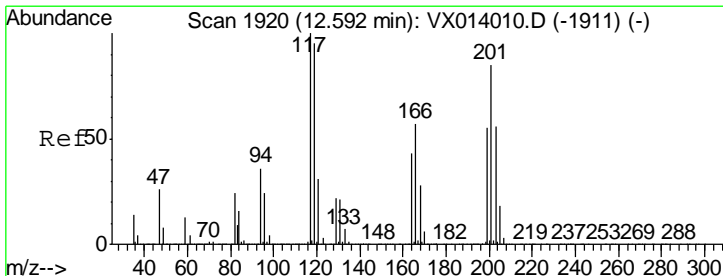
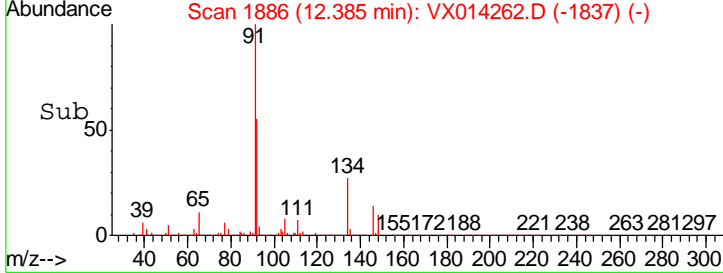
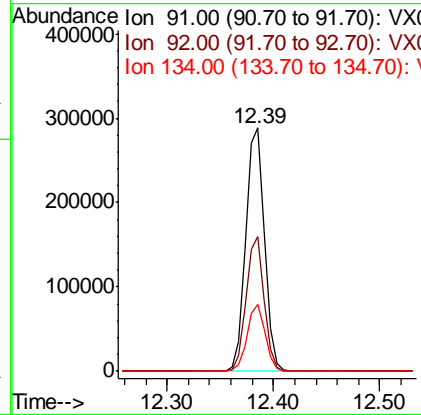
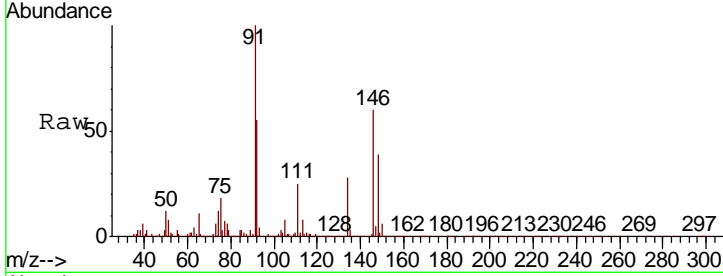


#89
 n-Butylbenzene
 Concen: 20.283 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

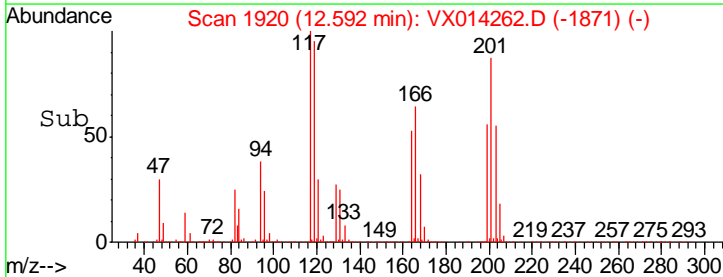
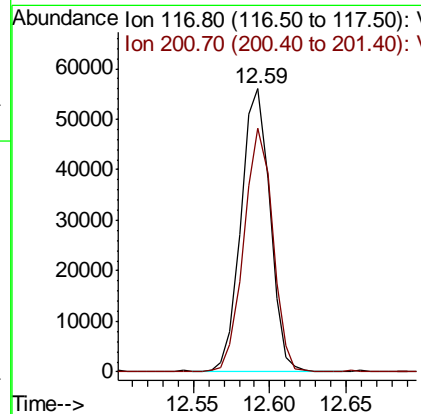
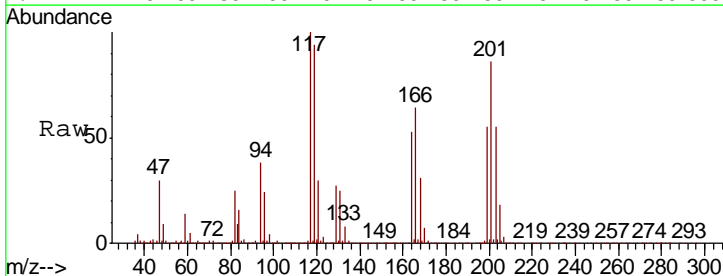
Tgt Ion	Resp	Lower	Upper
91	356805		
91	100		
92	52.8	27.2	81.6
134	26.7	13.4	40.1

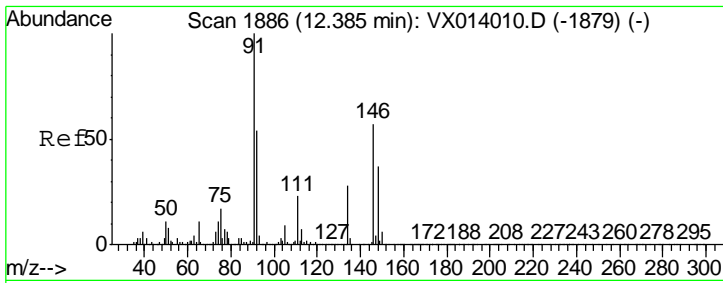
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#90
 Hexachloroethane
 Concen: 19.798 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
117	73315		
117	100		
201	86.1	43.1	129.3



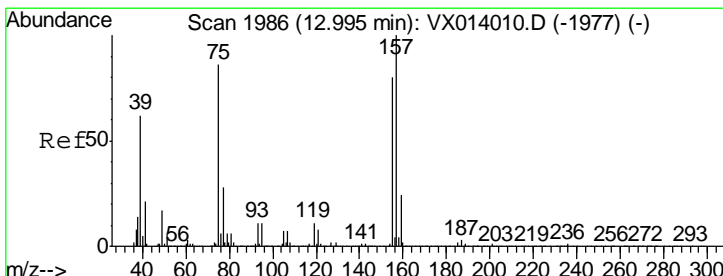
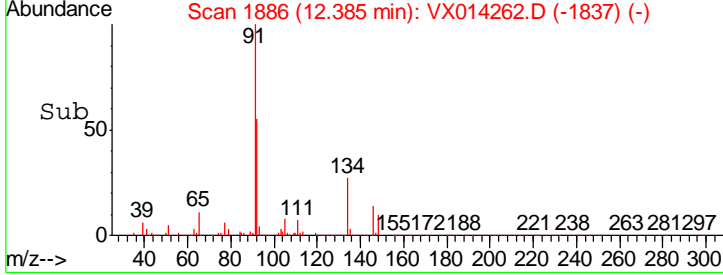
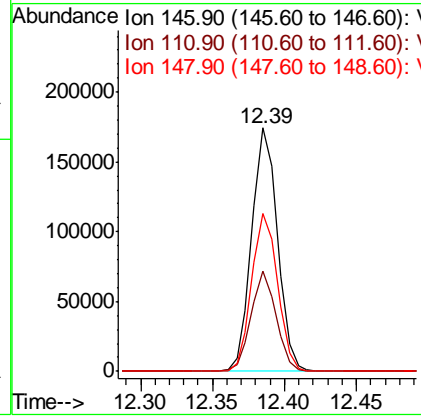
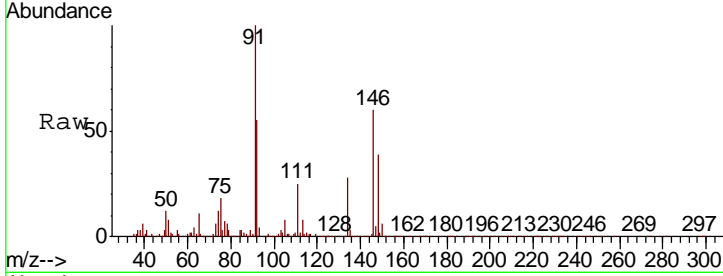


#91
 1,2-Dichlorobenzene
 Concen: 18.981 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 Client Sampled : VX1226WBS01

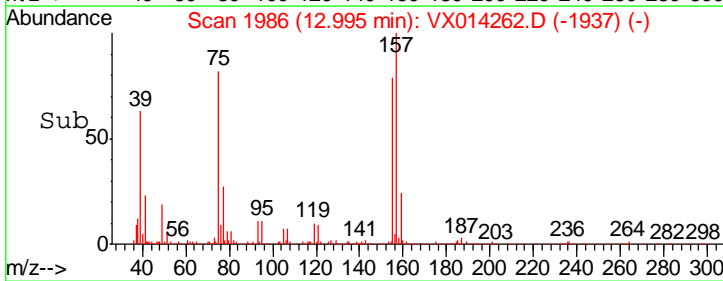
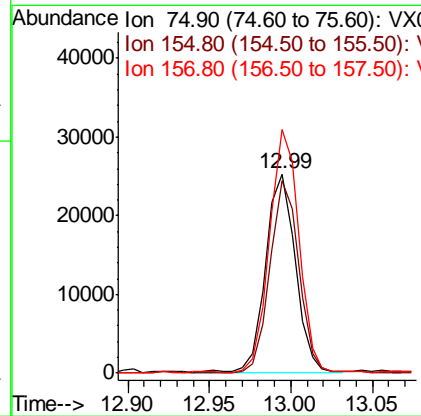
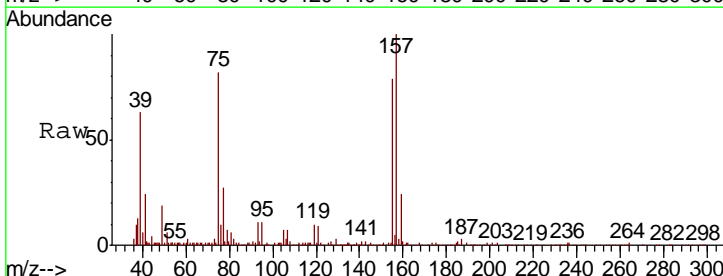
Tgt Ion	Resp	Lower	Upper
146	214772		
146	100		
111	40.1	19.7	59.1
148	65.2	32.1	96.5

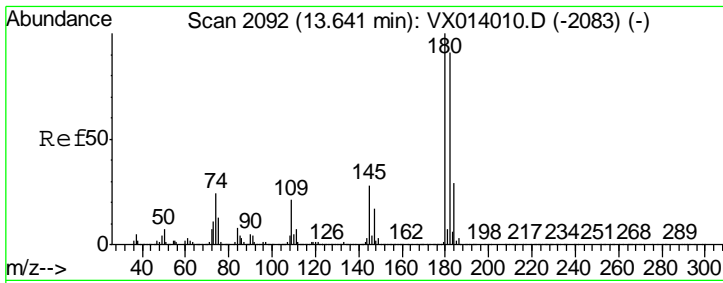
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.728 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

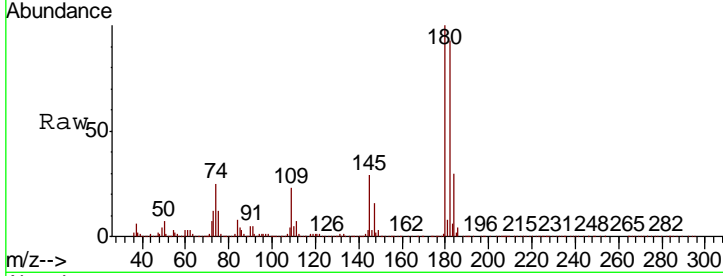
Tgt Ion	Resp	Lower	Upper
75	31705		
75	100		
155	95.2	46.9	140.6
157	121.1	60.8	182.4





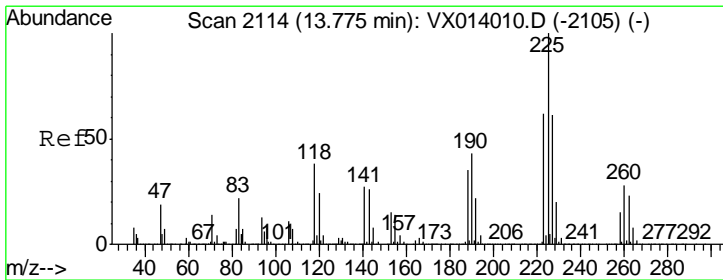
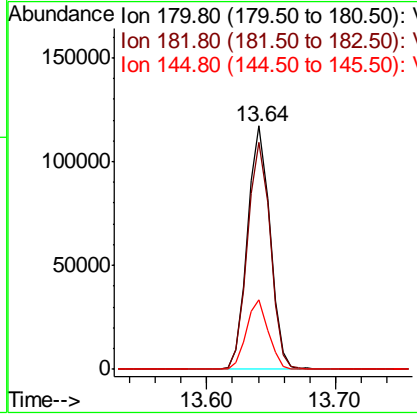
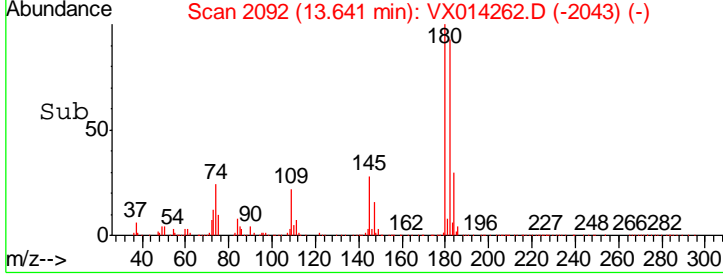
#93
 1,2,4-Trichlorobenzene
 Concen: 19.148 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

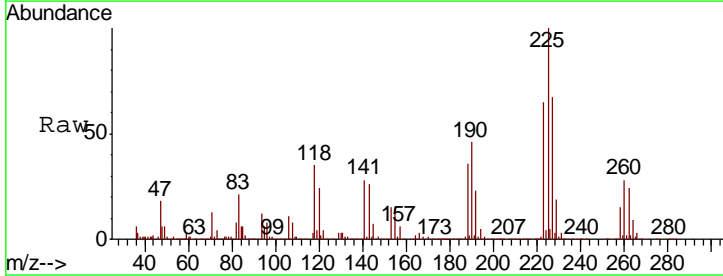


Tgt Ion	Resp	Lower	Upper
180	140822		
182	94.4	46.6	139.8
145	27.8	14.2	42.6

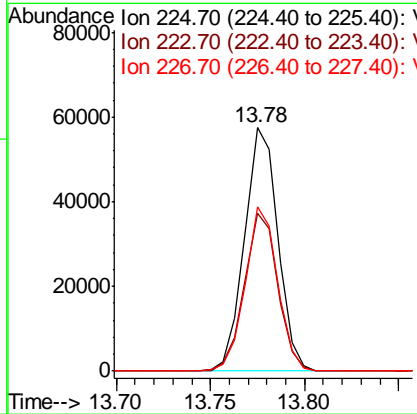
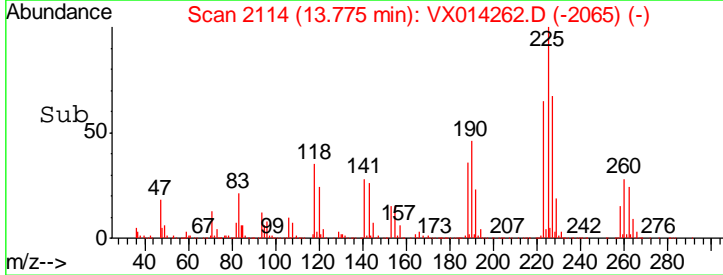
Manual Integrations
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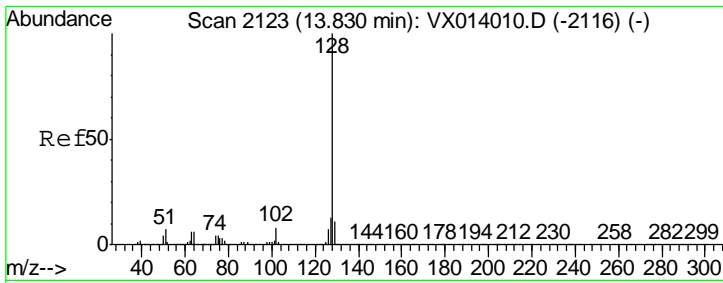


#94
 Hexachlorobutadiene
 Concen: 19.990 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18



Tgt Ion	Resp	Lower	Upper
225	70656		
223	65.1	30.9	92.5
227	65.2	30.9	92.7



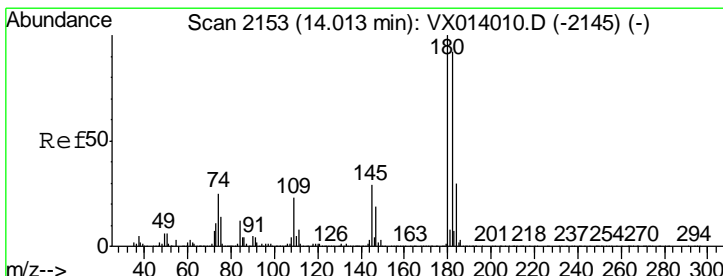
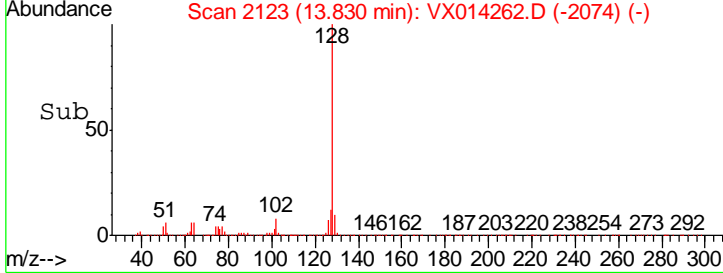
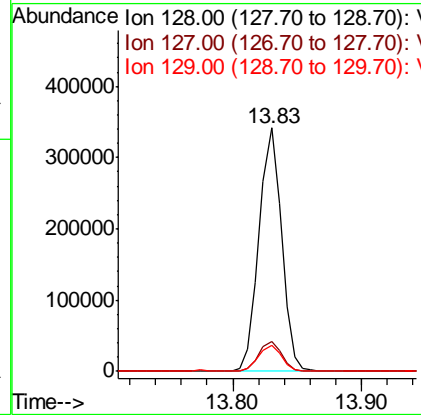
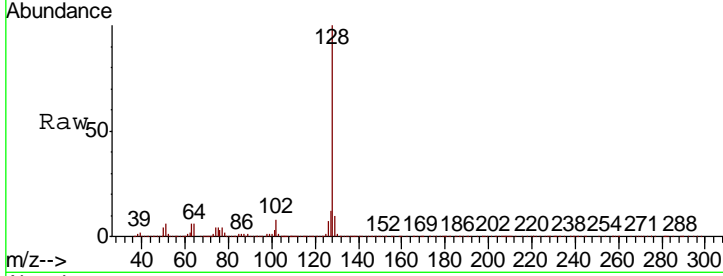


#95
 Naphthalene
 Concen: 19.023 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Instrument : MSVOA_X
 ClientSampled : VX1226WBS01

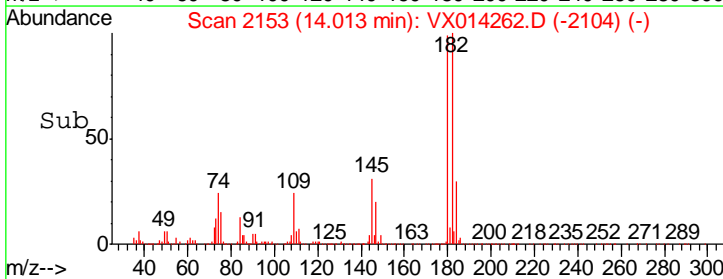
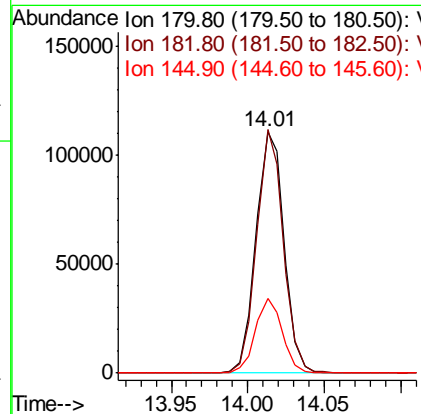
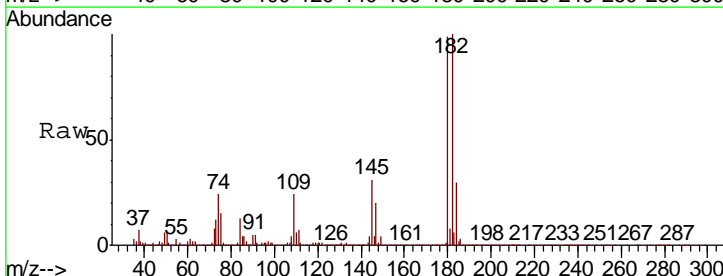
Tgt Ion	Resp	Lower	Upper
128	411043		
127	12.9	10.2	15.4
129	11.0	8.7	13.1

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#96
 1,2,3-Trichlorobenzene
 Concen: 19.453 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014262.D
 Acq: 26 Dec 2019 12:18

Tgt Ion	Resp	Lower	Upper
180	141224		
182	95.8	46.8	140.3
145	29.6	14.8	44.4



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014304.D
 Acq On : 27 Dec 2019 13:15
 Operator : JC/SP
 Sample : VX1227WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX1227WBS01

Manual Integrations
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 12/30/2019 11:04:11 AM

Quant Time: Dec 30 05:55:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	502000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	756236	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	675604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	335091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	279188	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	5.48	113	232910	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	8.71	98	895499	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.13	95	316921	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	72939	16.241	ug/l 99
3) Chloromethane	1.32	50	106172	17.616	ug/l 99
4) Vinyl Chloride	1.40	62	111335	17.507	ug/l 98
5) Bromomethane	1.63	94	70812	15.688	ug/l 97
6) Chloroethane	1.72	64	74614	19.010	ug/l 98
7) Trichlorofluoromethane	1.92	101	144581	18.365	ug/l 99
8) Diethyl Ether	2.18	74	68900	18.648	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	89297	18.817	ug/l 99
10) Methyl Iodide	2.50	142	91746	16.512	ug/l 99
11) Tert butyl alcohol	3.02	59	102701	83.540	ug/l 98
12) 1,1-Dichloroethene	2.37	96	84094	17.415	ug/l 99
13) Acrolein	2.28	56	65112	92.524	ug/l 97
14) Allyl chloride	2.72	41	159837	18.538	ug/l 98
15) Acrylonitrile	3.12	53	272307	94.899	ug/l 98
16) Acetone	2.43	43	299472	81.077	ug/l 99
17) Carbon Disulfide	2.56	76	213580	16.443	ug/l 99
18) Methyl Acetate	2.76	43	137554	18.794	ug/l 98
19) Methyl tert-butyl Ether	3.18	73	298610	18.818	ug/l 97
20) Methylene Chloride	2.84	84	104225	17.919	ug/l 98
21) trans-1,2-Dichloroethene	3.15	96	93026	17.486	ug/l 95
22) Diisopropyl ether	3.84	45	337578	19.648	ug/l 91
23) Vinyl Acetate	3.80	43	1376601	98.182	ug/l 100
24) 1,1-Dichloroethane	3.69	63	179965	18.827	ug/l 99
25) 2-Butanone	4.65	43	408777	89.764	ug/l 96
26) 2,2-Dichloropropane	4.56	77	138158	18.615	ug/l 98
27) cis-1,2-Dichloroethene	4.58	96	110920	18.436	ug/l 99
28) Bromochloromethane	5.00	49	78966	21.739	ug/l 96
29) Tetrahydrofuran	5.11	42	239111	93.876	ug/l 99
30) Chloroform	5.20	83	172043	18.986	ug/l 99
31) Cyclohexane	5.57	56	154089	18.124	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	139166	18.020	ug/l 99
36) 1,1-Dichloropropene	5.79	75	125643	18.107	ug/l 99
37) Ethyl Acetate	4.81	43	146823	19.161	ug/l 99
38) Carbon Tetrachloride	5.78	117	117060	18.518	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014304.D
 Acq On : 27 Dec 2019 13:15
 Operator : JC/SP
 Sample : VX1227WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX1227WBS01

Manual Integrations
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 12/30/2019 11:04:11 AM

Quant Time: Dec 30 05:55:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	158060	18.448	ug/l	98
40) Benzene	6.13	78	400895	18.777	ug/l	100
41) Methacrylonitrile	5.03	41	81690	19.214	ug/l	98
42) 1,2-Dichloroethane	6.18	62	135193	18.680	ug/l	99
43) Isopropyl Acetate	6.43	43	236159	18.623	ug/l	100
44) Trichloroethene	7.20	130	109283	18.532	ug/l	94
45) 1,2-Dichloropropane	7.51	63	104719	19.136	ug/l	97
46) Dibromomethane	7.65	93	66455	18.368	ug/l	99
47) Bromodichloromethane	7.89	83	126077	18.503	ug/l	98
48) Methyl methacrylate	7.76	41	114374	18.419	ug/l	99
49) 1,4-Dioxane	7.73	88	42618	337.258	ug/l	95
51) 4-Methyl-2-Pentanone	8.63	43	743342	93.339	ug/l	99
52) Toluene	8.78	92	249620	18.498	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	140325	18.781	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	157749	18.952	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	103324	19.104	ug/l	99
56) Ethyl methacrylate	9.17	69	155302	18.280	ug/l	99
57) 1,3-Dichloropropane	9.36	76	172450	18.951	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	327178	101.761	ug/l	99
59) 2-Hexanone	9.48	43	581761	90.744	ug/l	100
60) Dibromochloromethane	9.57	129	101232	18.830	ug/l	100
61) 1,2-Dibromoethane	9.67	107	105994	19.154	ug/l	98
64) Tetrachloroethene	9.33	164	117215	19.607	ug/l	98
65) Chlorobenzene	10.14	112	265338	18.471	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	95733	18.665	ug/l	100
67) Ethyl Benzene	10.24	91	467925	18.947	ug/l	100
68) m/p-Xylenes	10.35	106	358602	37.753	ug/l	100
69) o-Xylene	10.70	106	172906	18.560	ug/l	98
70) Styrene	10.71	104	293024	18.601	ug/l	99
71) Bromoform	10.85	173	74032	17.956	ug/l #	100
73) Isopropylbenzene	11.01	105	456059	19.330	ug/l	99
74) N-amyl acetate	10.89	43	200215	18.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	151896	18.570	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	125481m	17.249	ug/l	
77) Bromobenzene	11.25	156	118787	18.299	ug/l	98
78) n-propylbenzene	11.35	91	518456	19.591	ug/l	100
79) 2-Chlorotoluene	11.42	91	309572	19.244	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	383872	19.333	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	45707	17.734	ug/l	92
82) 4-Chlorotoluene	11.51	91	355142	19.032	ug/l	99
83) tert-Butylbenzene	11.76	119	360175	18.640	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	384678	19.346	ug/l	100
85) sec-Butylbenzene	11.94	105	448109	19.644	ug/l	100
86) p-Isopropyltoluene	12.06	119	409125	19.607	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	211028	18.549	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	212106	18.336	ug/l	100
89) n-Butylbenzene	12.38	91	348032	19.547	ug/l	100
90) Hexachloroethane	12.59	117	67356	17.971	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	208618	18.216	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	29301	16.188	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014304.D
 Acq On : 27 Dec 2019 13:15
 Operator : JC/SP
 Sample : VX1227WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBS01

Manual Integrations
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 12/30/2019 11:04:11 AM

Quant Time: Dec 30 05:55:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	136968	18.401	ug/l	97
94) Hexachlorobutadiene	13.77	225	70352	19.666	ug/l	99
95) Naphthalene	13.83	128	404936	18.516	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	140764	19.157	ug/l	99

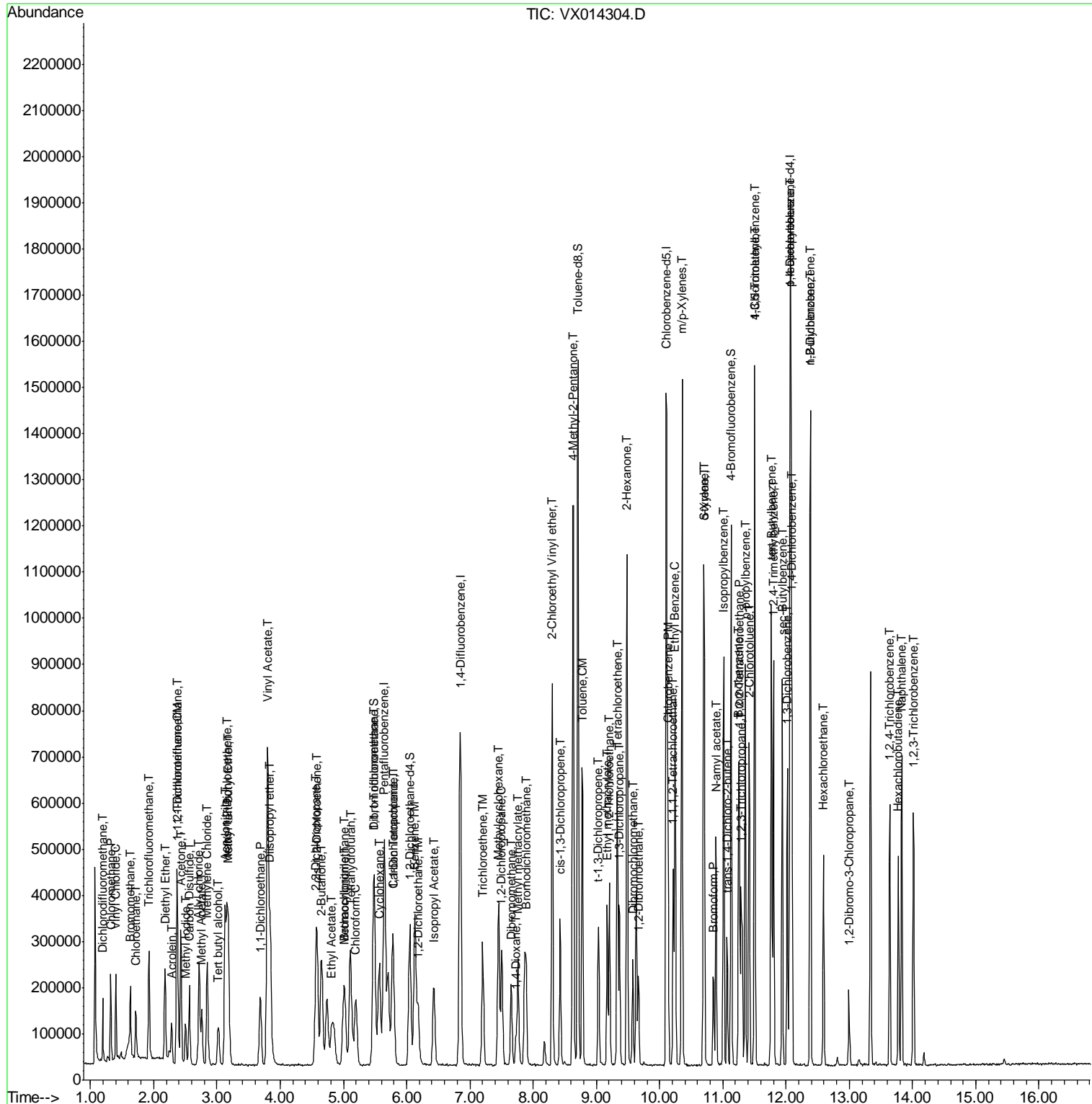
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014304.D
 Acq On : 27 Dec 2019 13:15
 Operator : JC/SP
 Sample : VX1227WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

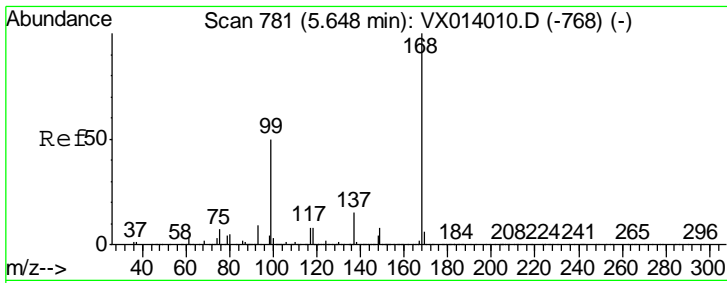
Instrument :
 MSVOA_X
 Client Sampled :
 VX1227WBS01

Manual Integrations
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 12/30/2019 11:04:11 AM

Quant Time: Dec 30 05:55:39 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



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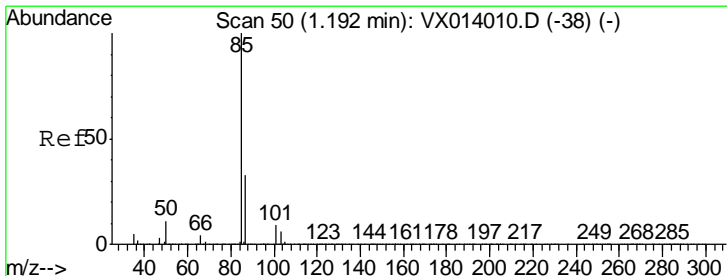
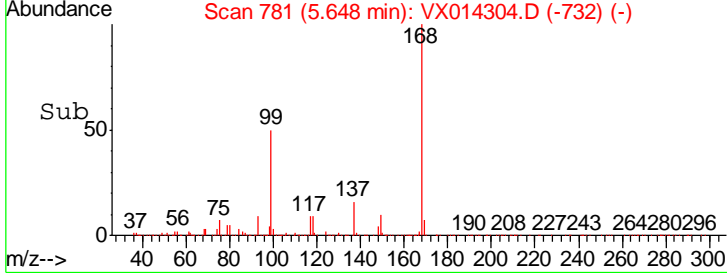
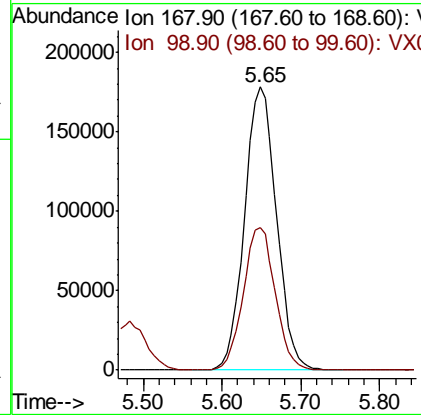
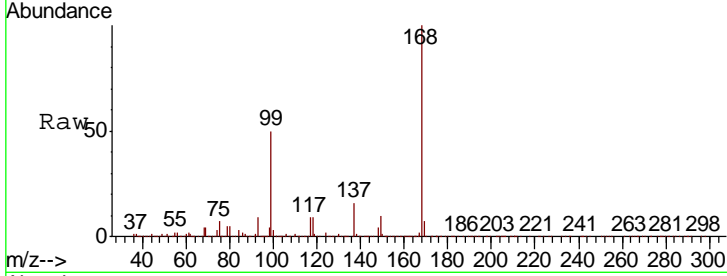


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
168	502000		
99	50.1	40.3	60.5

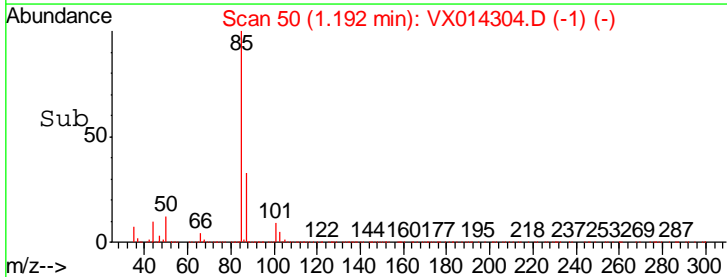
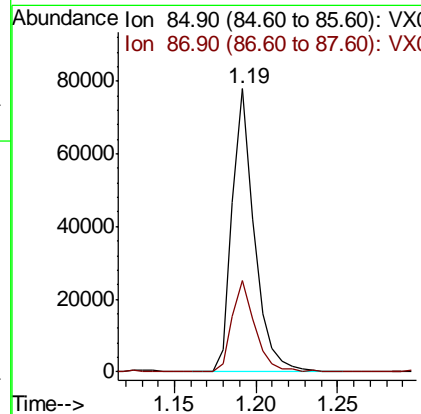
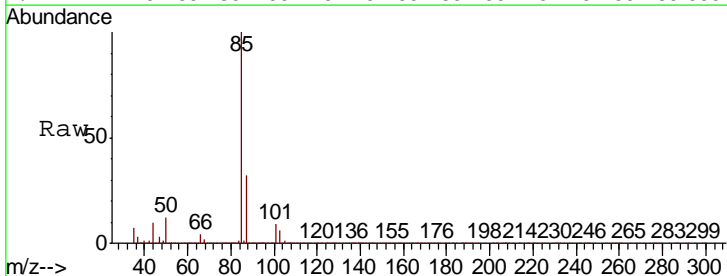
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

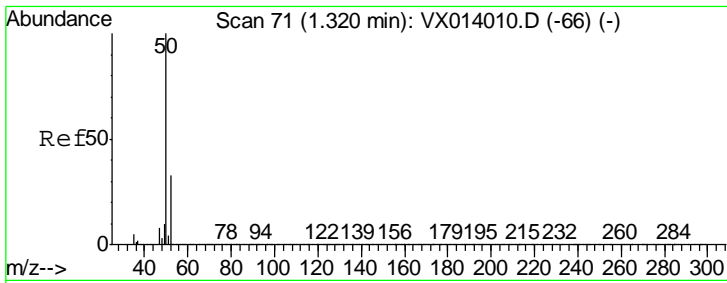
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#2
 Dichlorodifluoromethane
 Concen: 16.241 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
85	72939		
87	32.4	16.4	49.2



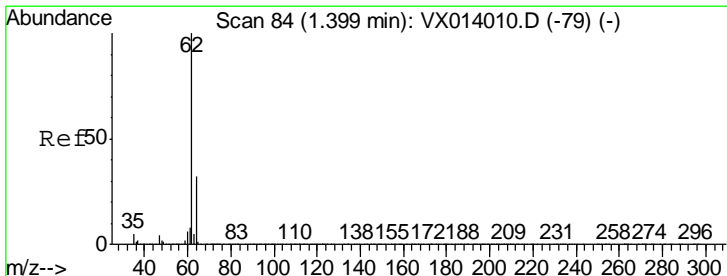
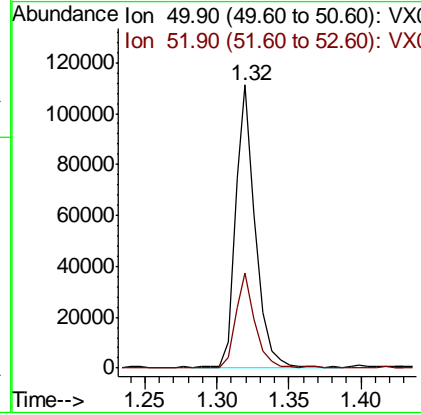
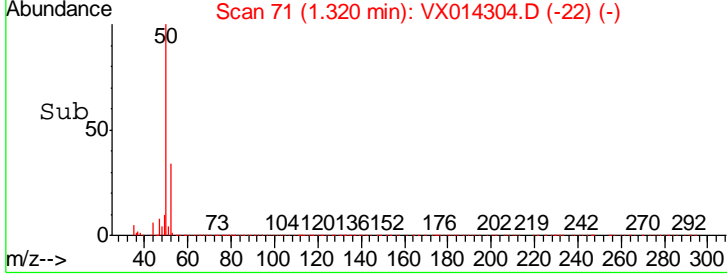
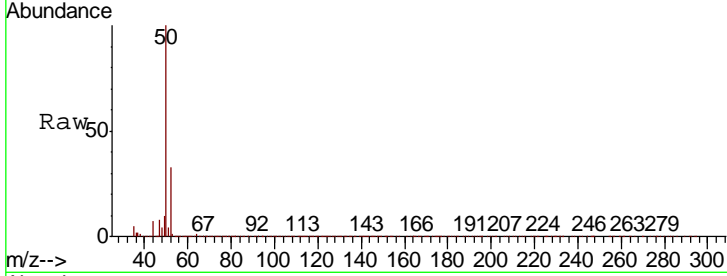


#3
 Chloromethane
 Concen: 17.616 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
50	106172		
52	33.3	26.2	39.4

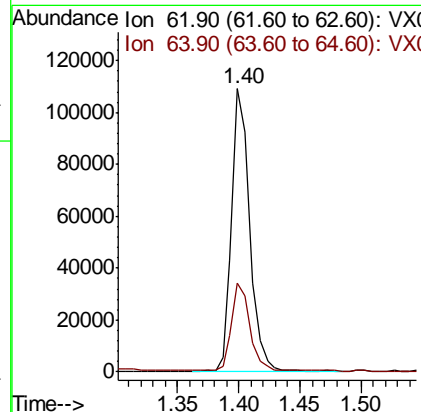
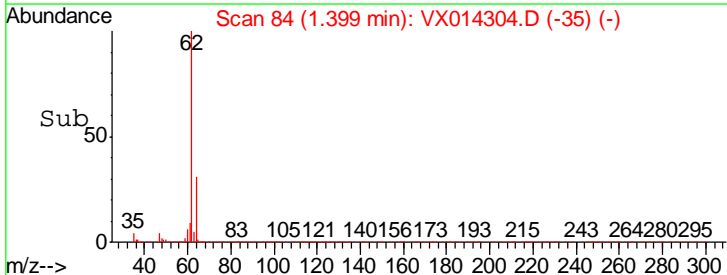
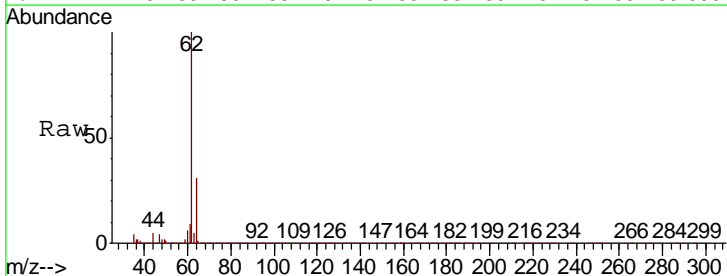
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

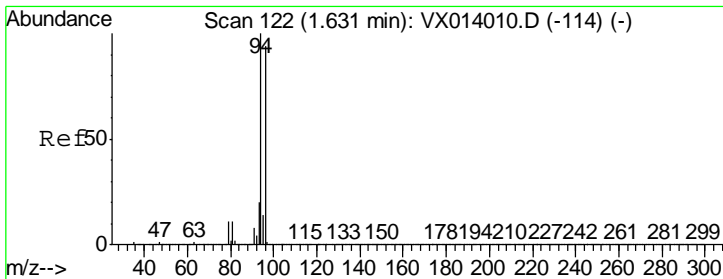
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#4
 Vinyl Chloride
 Concen: 17.507 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
62	111335		
64	31.0	25.7	38.5



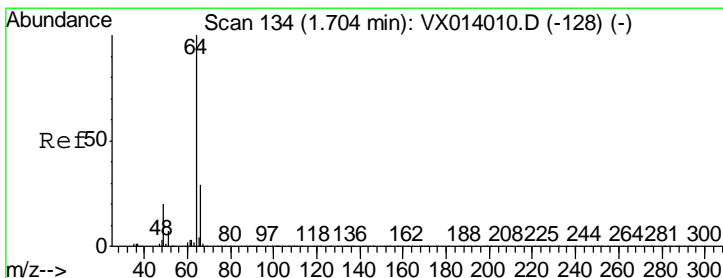
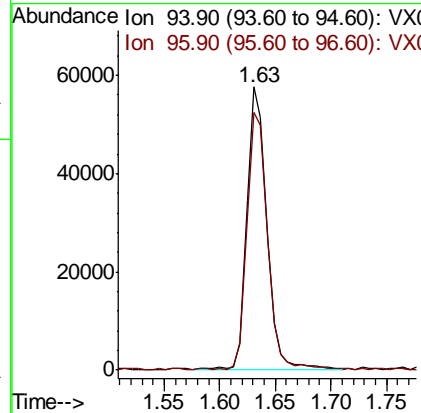
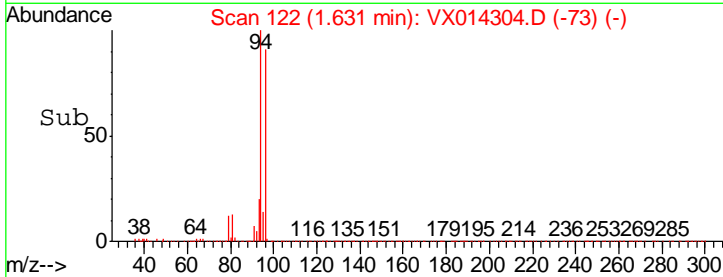
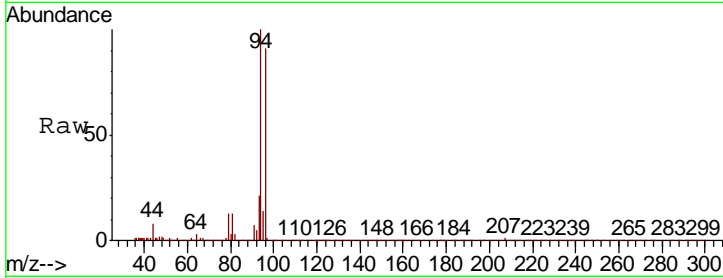


#5
 Bromomethane
 Concen: 15.688 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
94	70812		
96	91.4	75.2	112.8

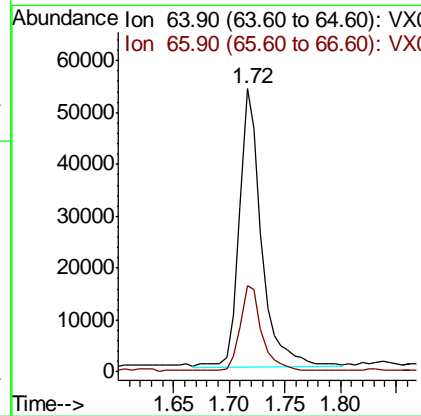
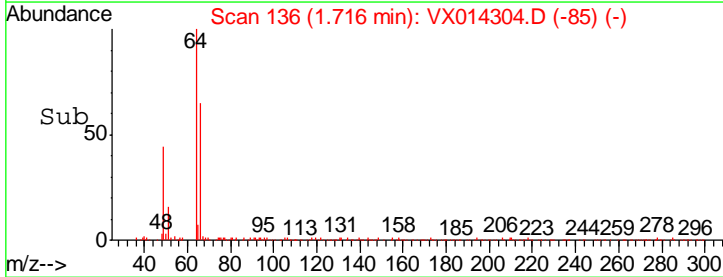
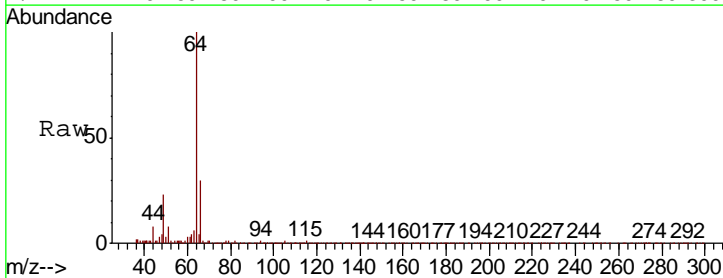
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

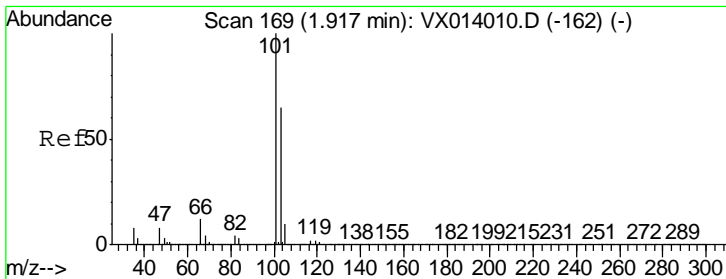
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#6
 Chloroethane
 Concen: 19.010 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
64	74614		
66	30.5	23.4	35.2



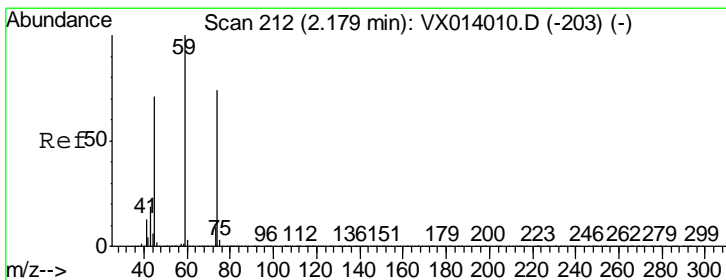
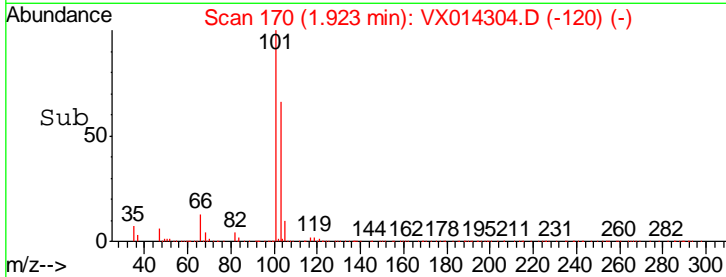
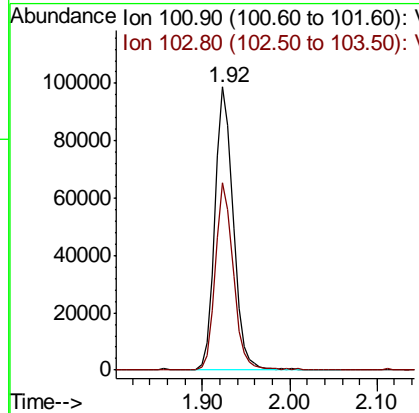
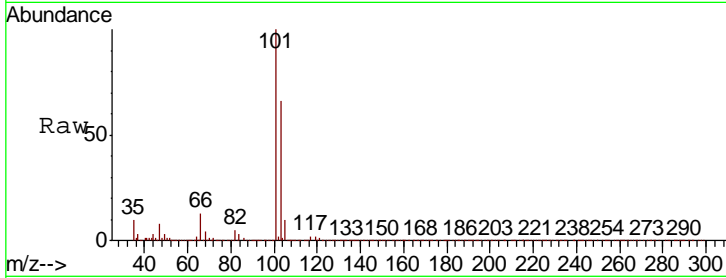


#7
 Trichlorofluoromethane
 Concen: 18.365 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

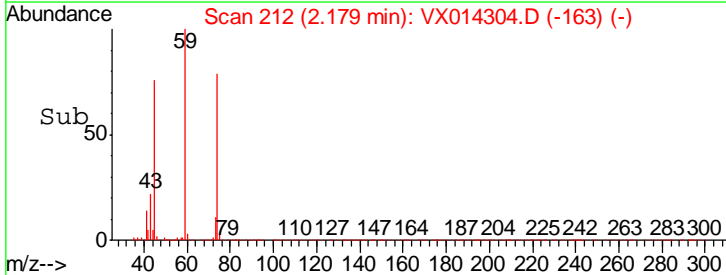
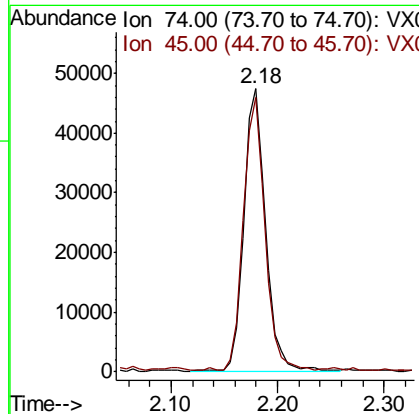
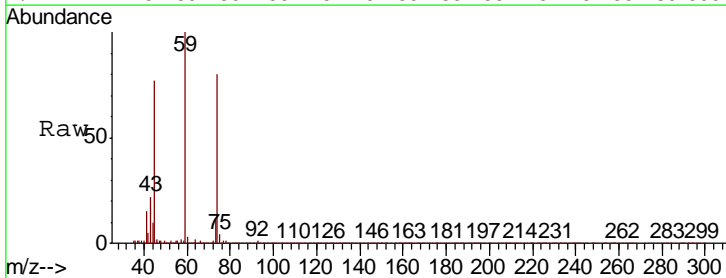
Tgt Ion	Resp	Lower	Upper
101	144581		
103	66.1	52.2	78.4

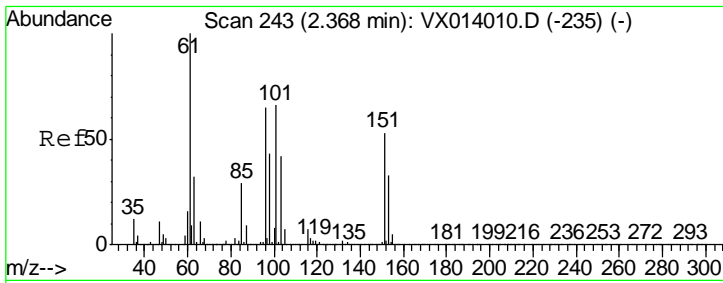
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#8
 Diethyl Ether
 Concen: 18.648 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
74	68900		
45	94.8	48.1	144.3





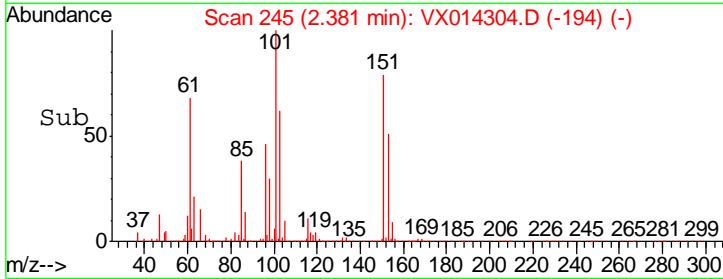
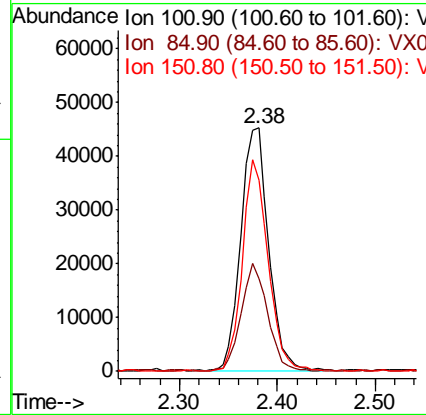
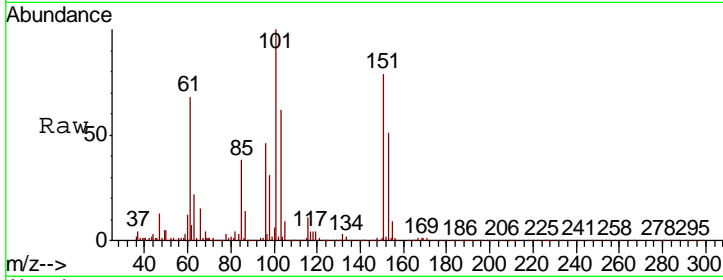
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.817 ug/l
 RT: 2.38 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
101	89297		
101	100		
85	41.7	33.7	50.5
151	81.2	64.5	96.7

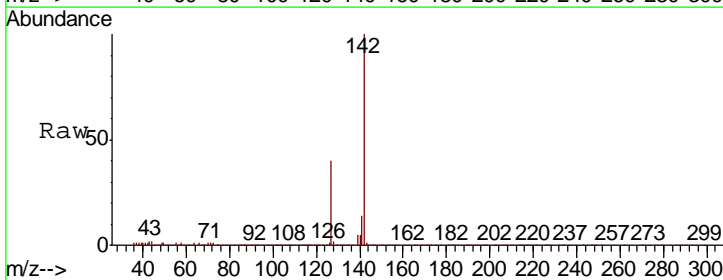
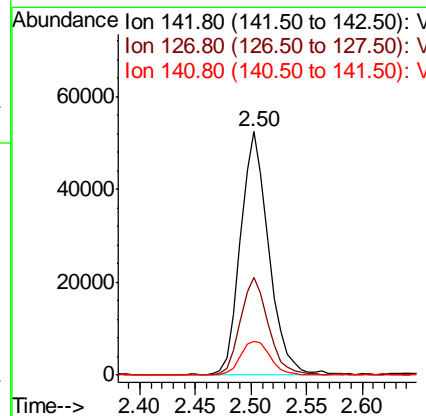
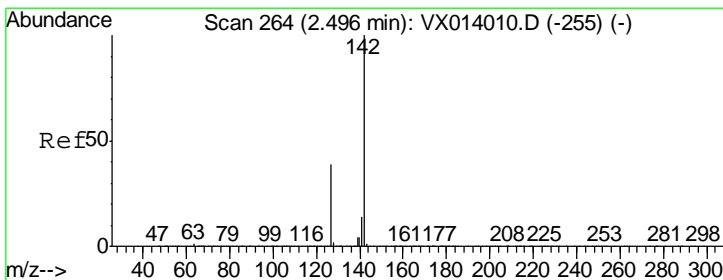
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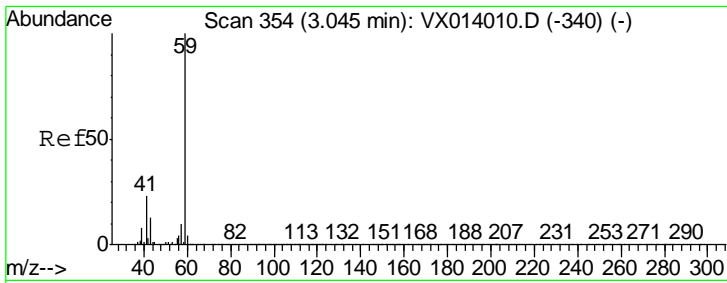
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#10
 Methyl Iodide
 Concen: 16.512 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
142	91746		
142	100		
127	38.8	31.6	47.4
141	15.2	11.6	17.4





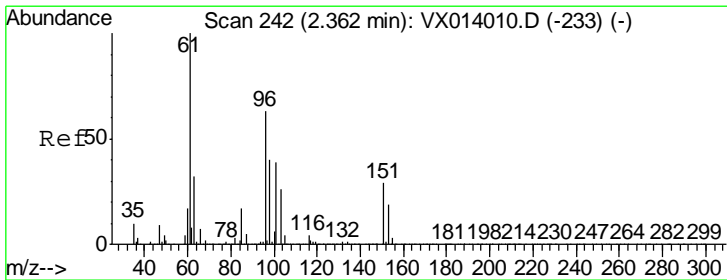
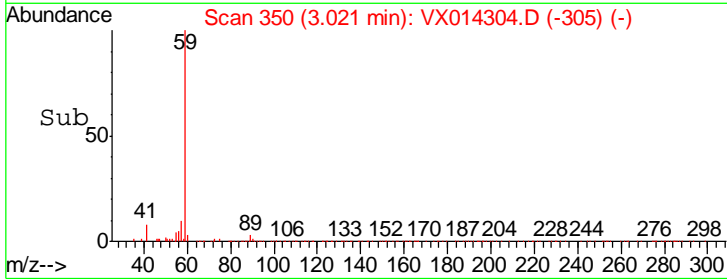
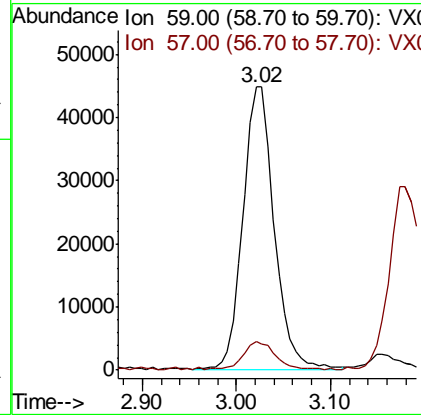
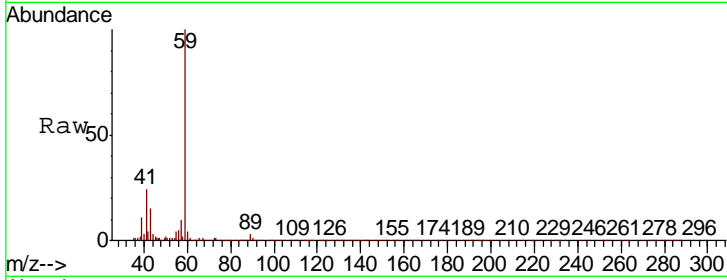
#11
 Tert butyl alcohol
 Concen: 83.540 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
59	102701		
57	9.7	8.4	12.6

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

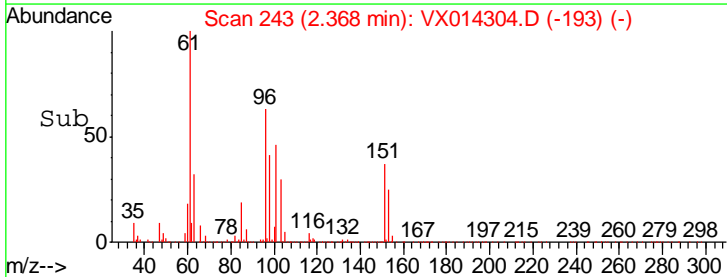
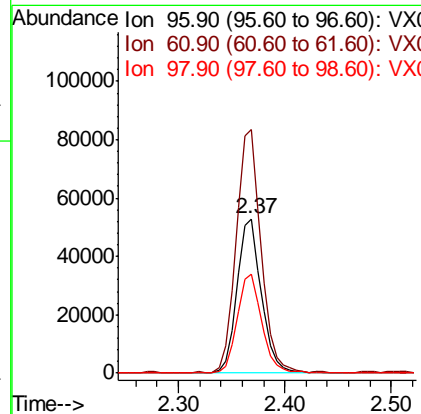
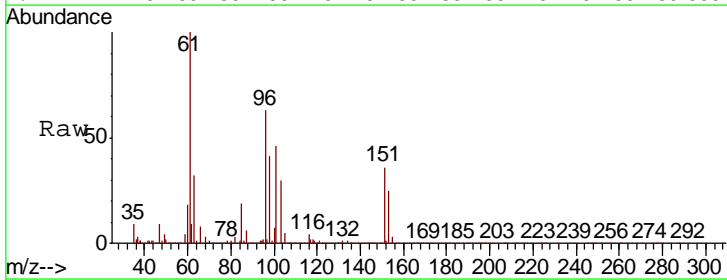
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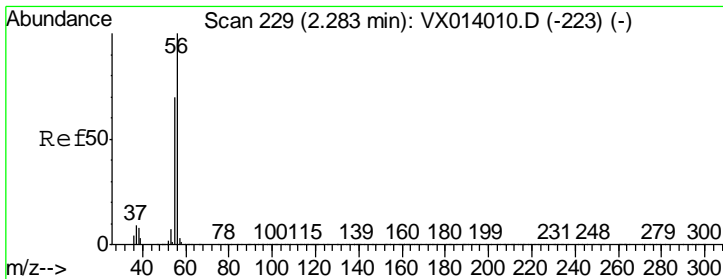
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#12
 1,1-Dichloroethene
 Concen: 17.415 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
96	84094		
61	158.0	127.9	191.9
98	64.3	50.5	75.7





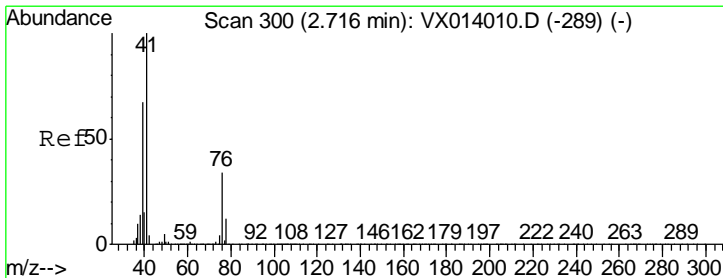
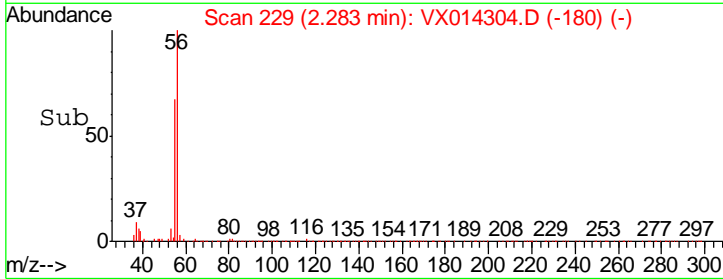
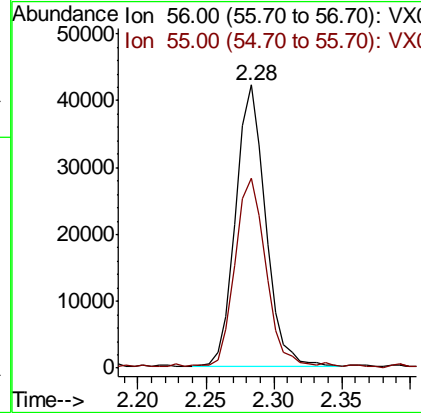
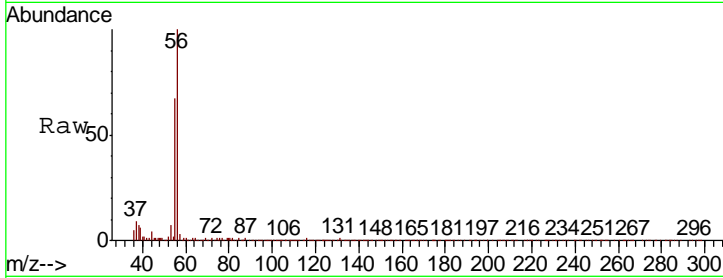
#13
 Acrolein
 Concen: 92.524 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
56	65112		
56	100		
55	68.7	56.9	85.3

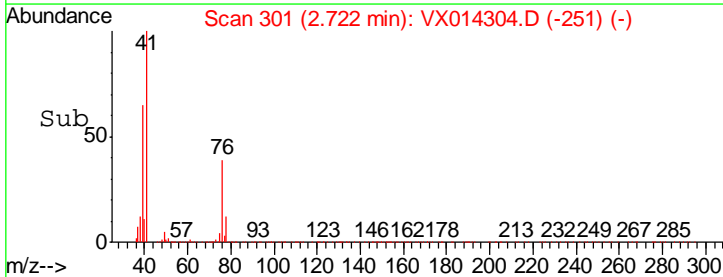
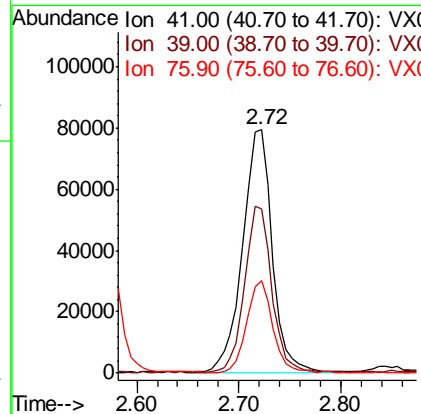
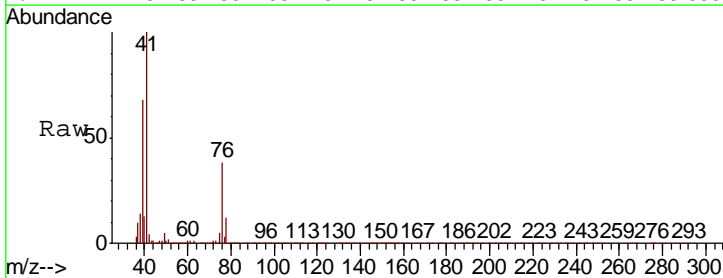
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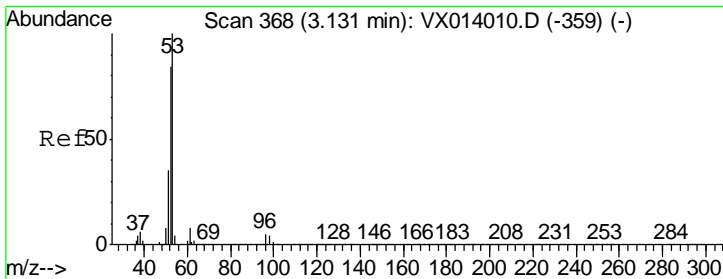
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#14
 Allyl chloride
 Concen: 18.538 ug/l
 RT: 2.72 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
41	159837		
41	100		
39	62.9	51.8	77.8
76	32.6	25.9	38.9



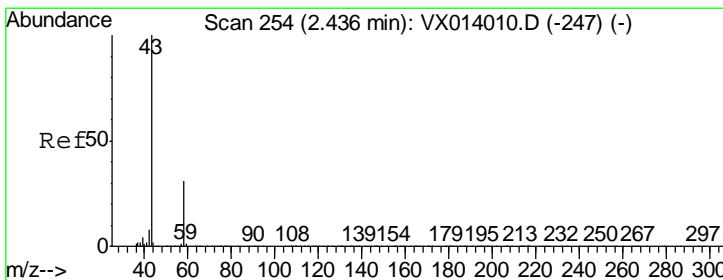
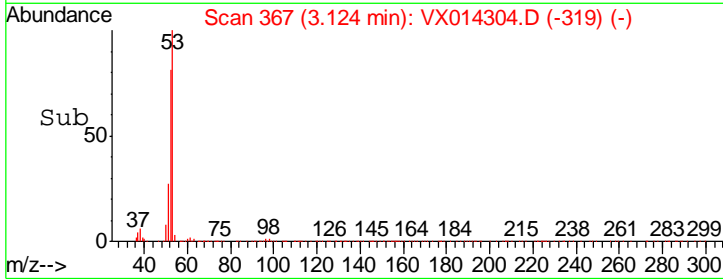
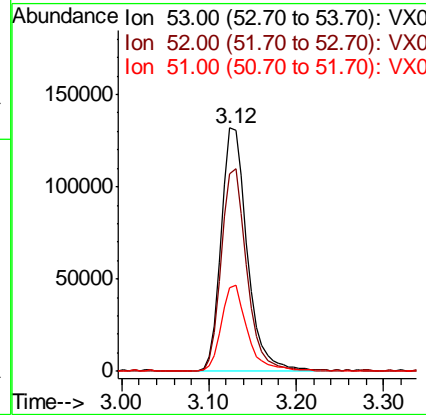
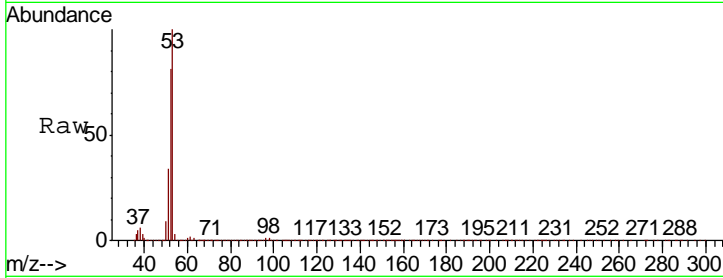


#15
 Acrylonitrile
 Concen: 94.899 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.2	66.5	99.7
51	35.9	28.1	42.1

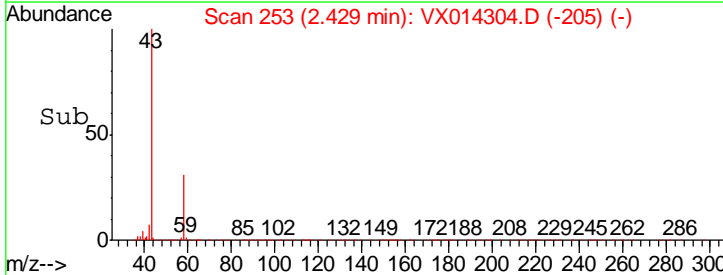
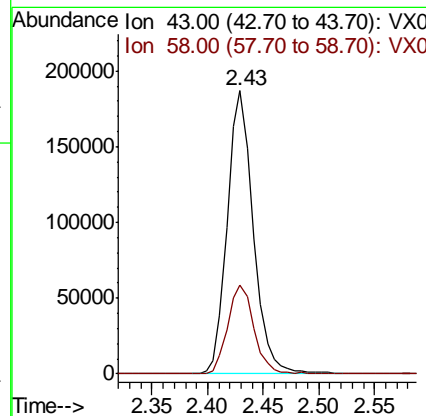
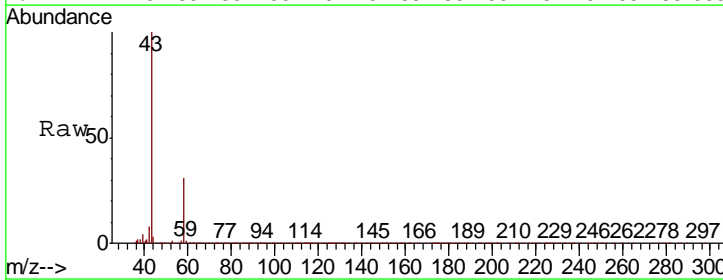
Instrument : MSVOA_X
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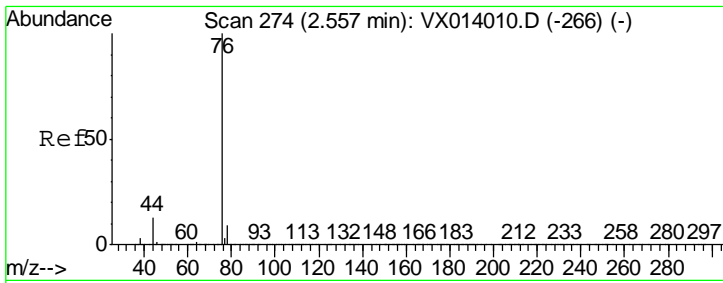
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#16
 Acetone
 Concen: 81.077 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.4	24.9	37.3



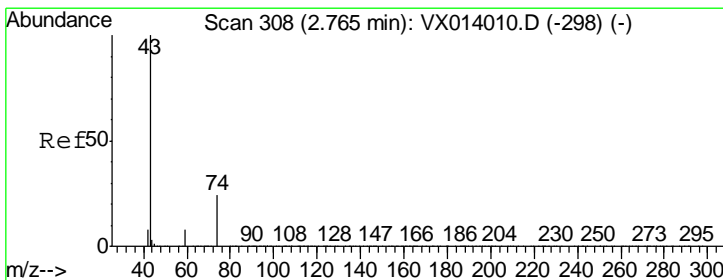
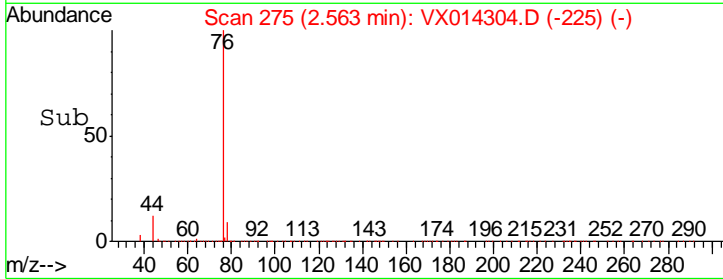
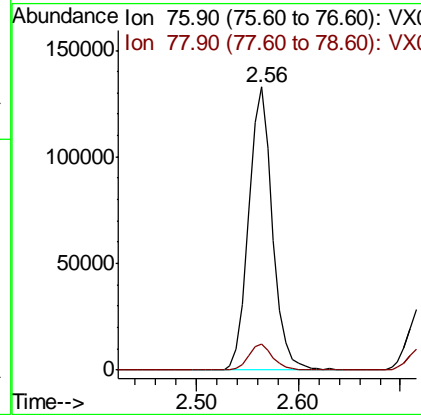
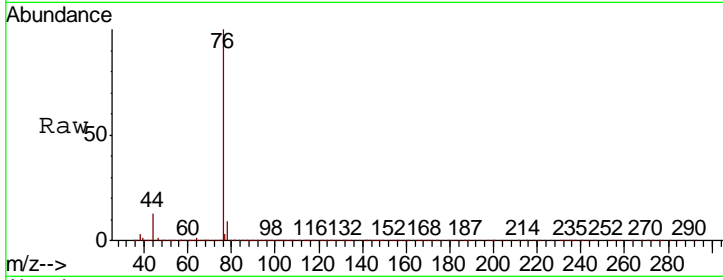


#17
 Carbon Disulfide
 Concen: 16.443 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
76	213580		
76	100		
78	9.2	7.2	10.8

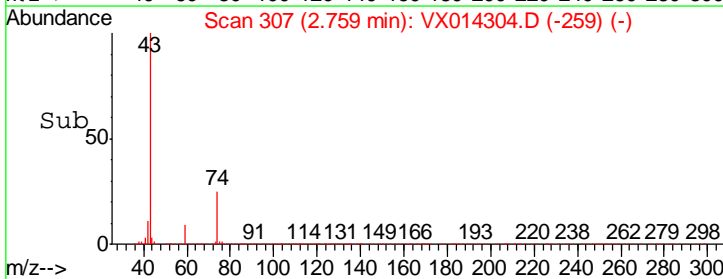
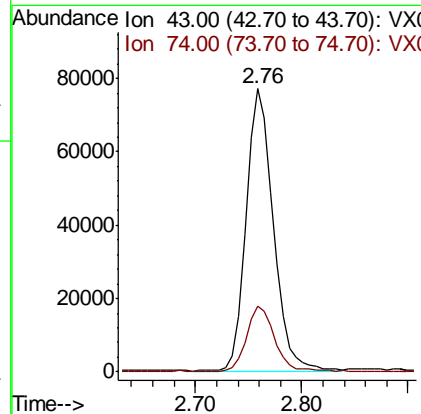
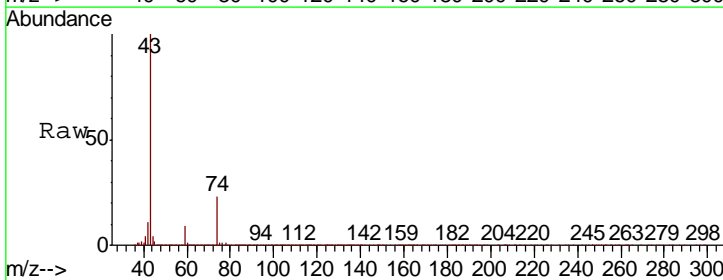
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

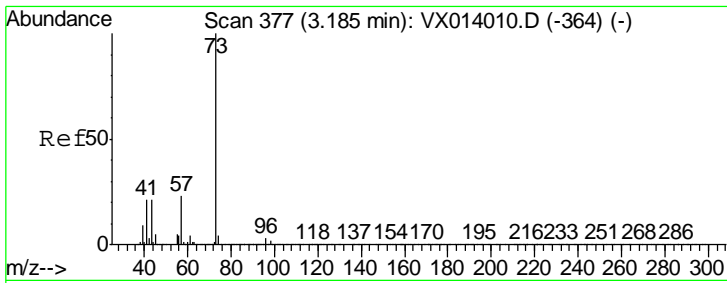
Manual Integrations
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#18
 Methyl Acetate
 Concen: 18.794 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
43	137554		
43	100		
74	23.4	19.5	29.3



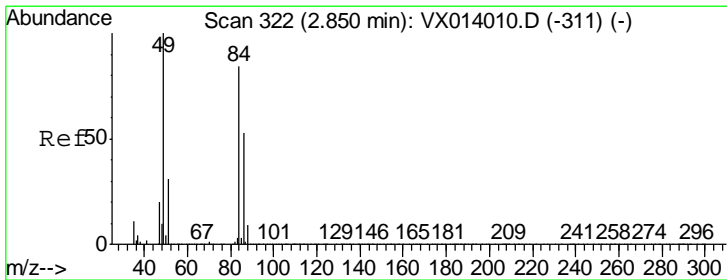
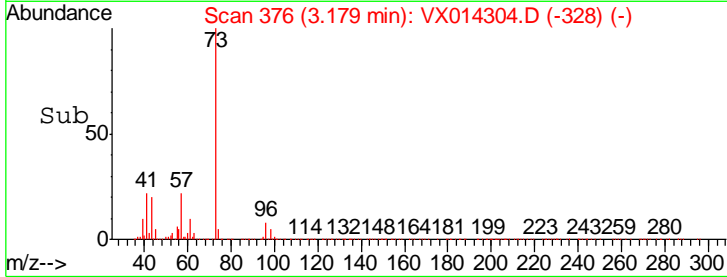
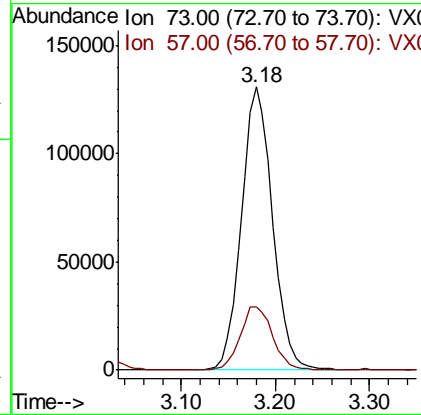
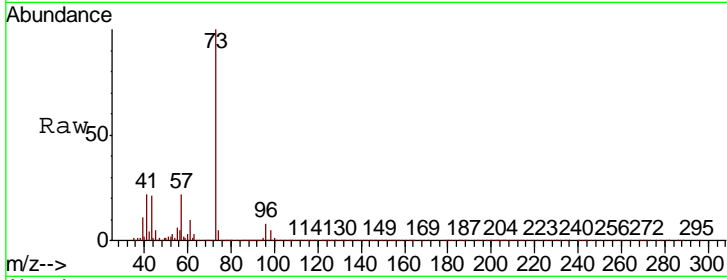


#19
Methyl tert-butyl Ether
Concen: 18.818 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014304.D
Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
73	298610		
73	100		
57	22.2	18.8	28.2

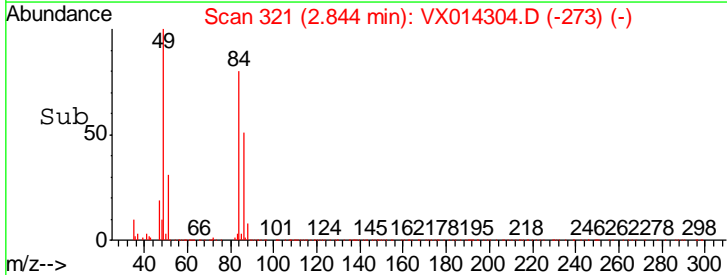
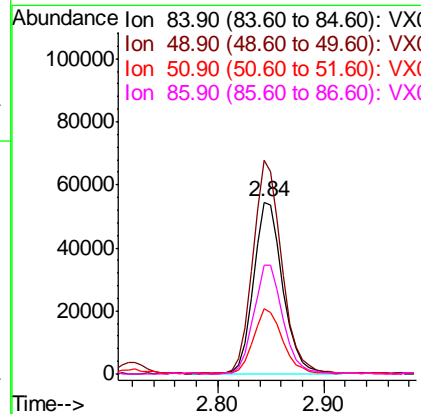
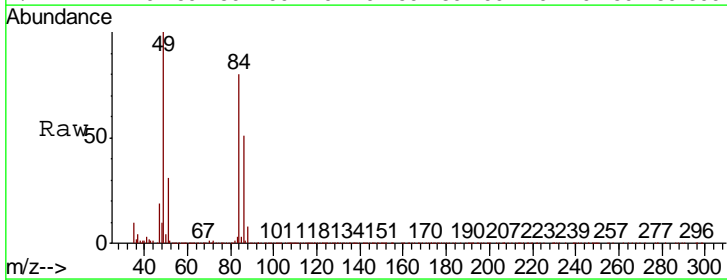
Instrument : MSVOA_X
Client Sampled : VX1227WBS01

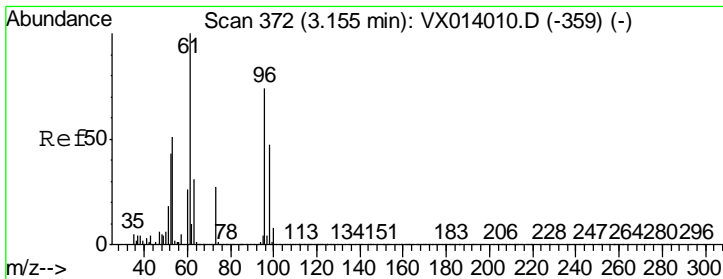
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#20
Methylene Chloride
Concen: 17.919 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014304.D
Acq: 27 Dec 2019 13:15

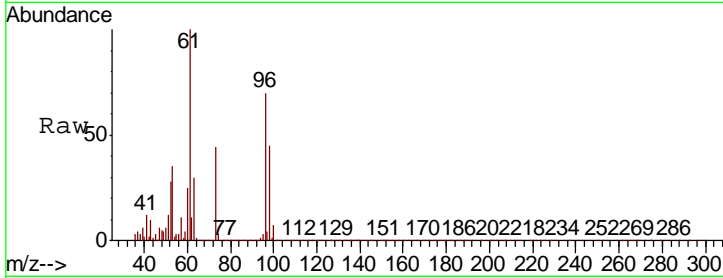
Tgt Ion	Resp	Lower	Upper
84	104225		
84	100		
49	124.1	95.8	143.6
51	37.6	29.8	44.8
86	63.2	50.8	76.2





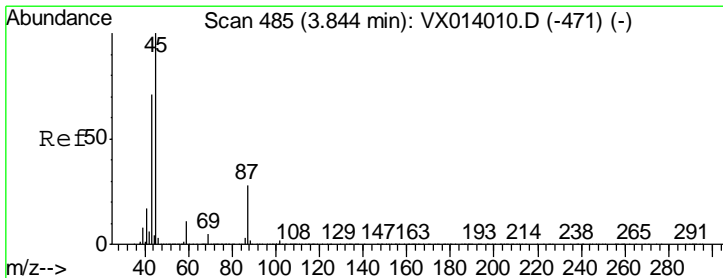
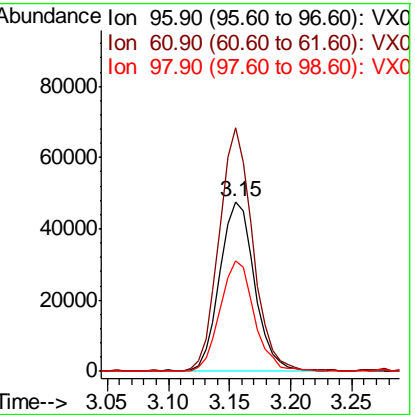
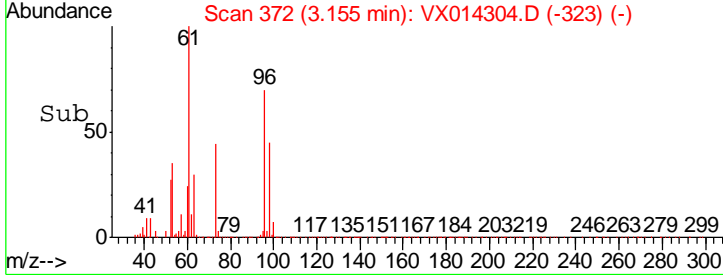
#21
 trans-1,2-Dichloroethene
 Concen: 17.486 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01



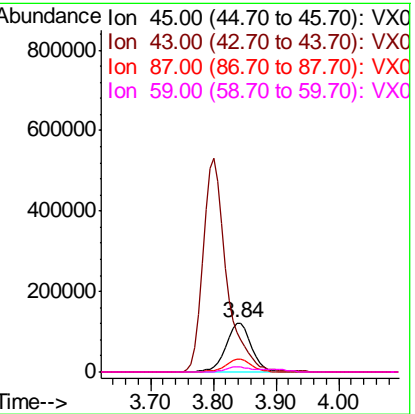
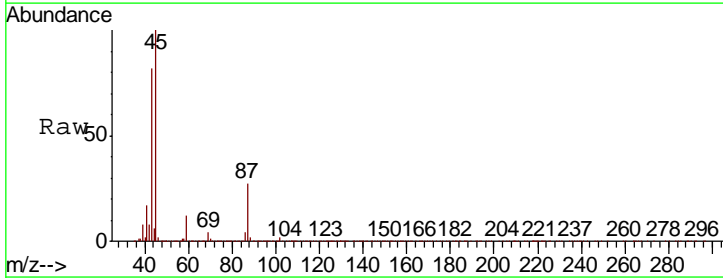
Tgt Ion	Resp	Lower	Upper
96	93026		
61	143.5	108.3	162.5
98	64.6	50.8	76.2

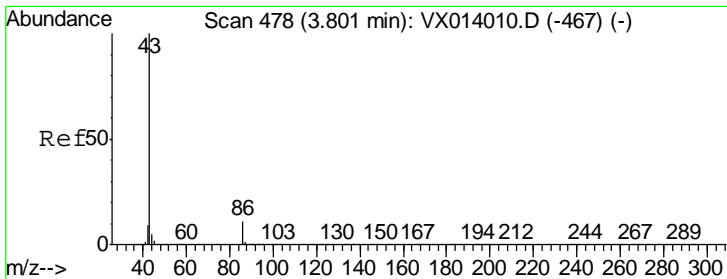
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#22
 Diisopropyl ether
 Concen: 19.648 ug/l
 RT: 3.84 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
45	337578		
43	82.0	57.4	86.0
87	26.4	21.9	32.9
59	11.3	9.0	13.6



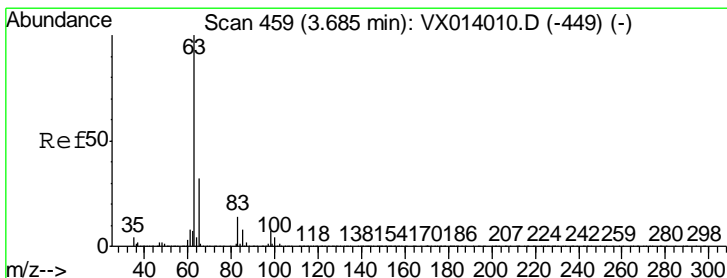
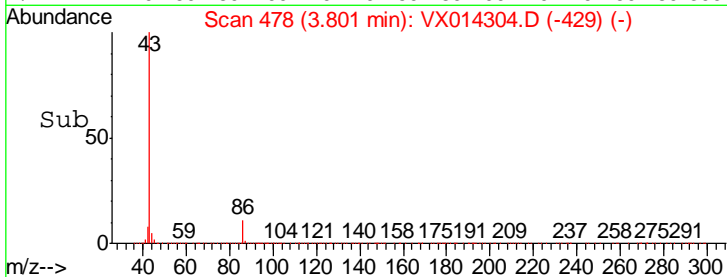
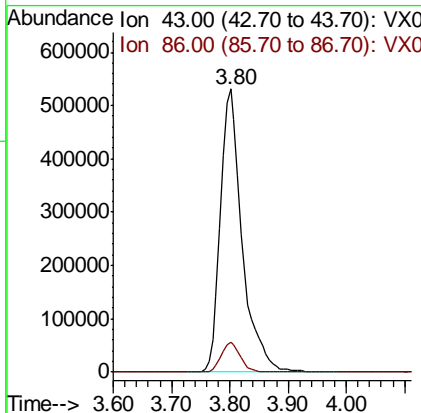
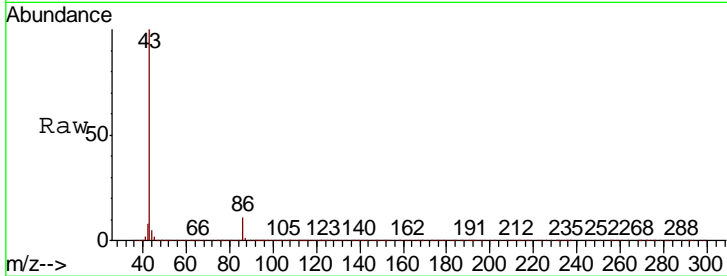


#23
 Vinyl Acetate
 Concen: 98.182 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.6	8.6	12.8

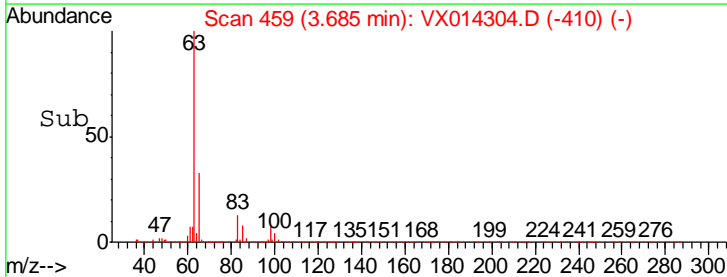
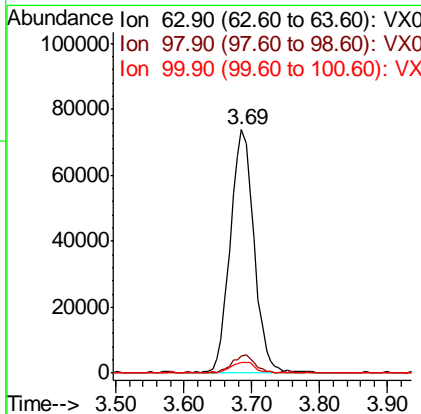
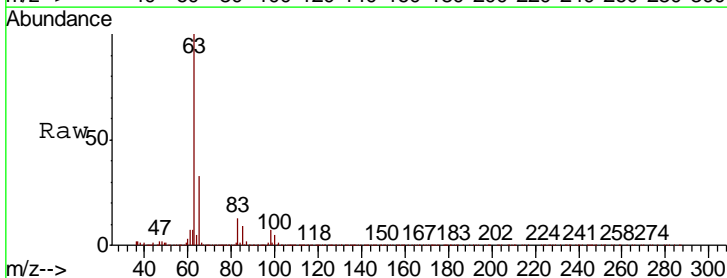
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

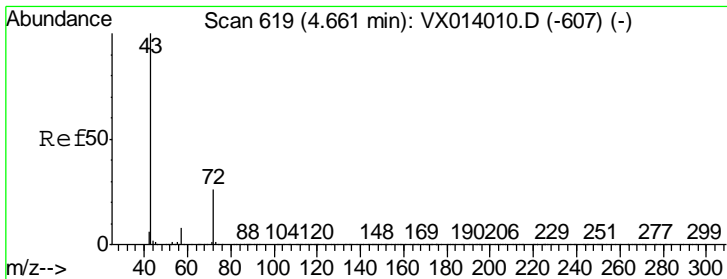
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#24
 1,1-Dichloroethane
 Concen: 18.827 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.7	3.6	10.8
100	4.4	2.3	6.8



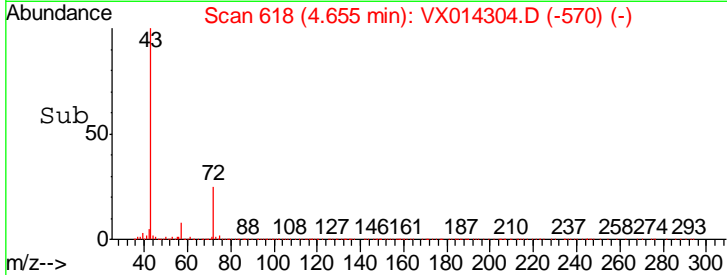
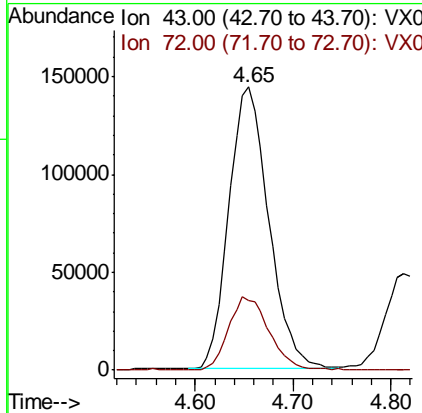
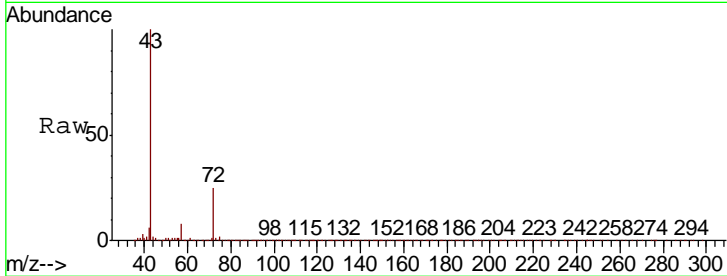


#25
 2-Butanone
 Concen: 89.764 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
43	100		
72	24.4	21.0	31.4

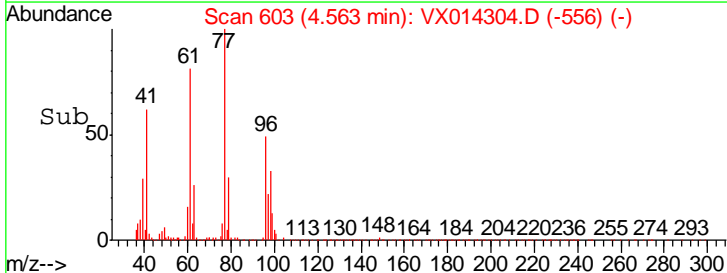
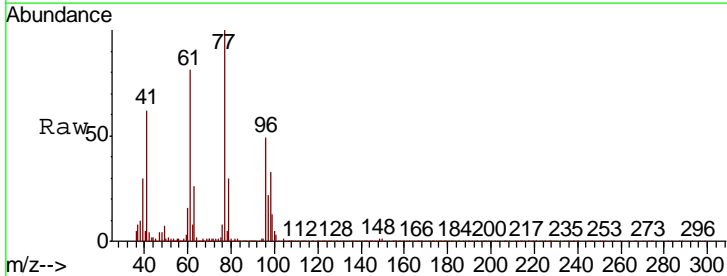
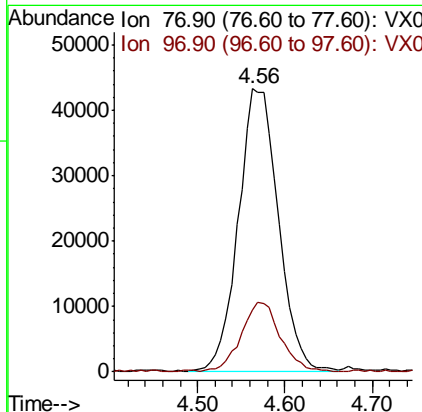
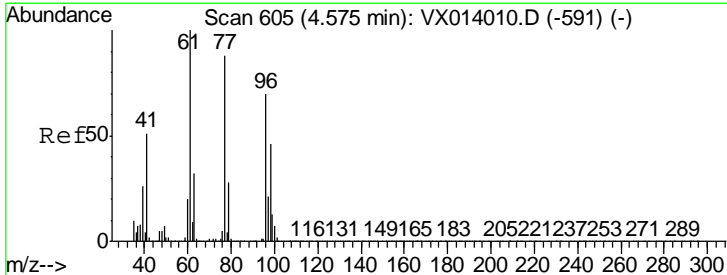
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

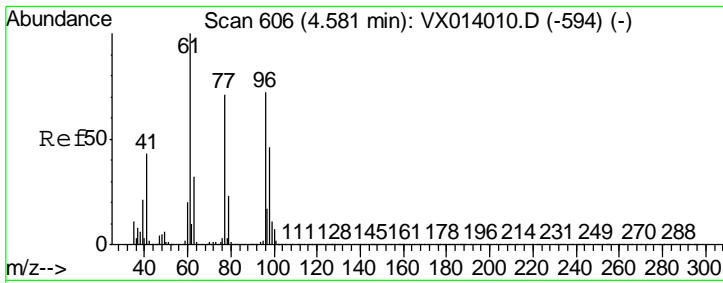
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#26
 2,2-Dichloropropane
 Concen: 18.615 ug/l
 RT: 4.56 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.0	11.9	35.9



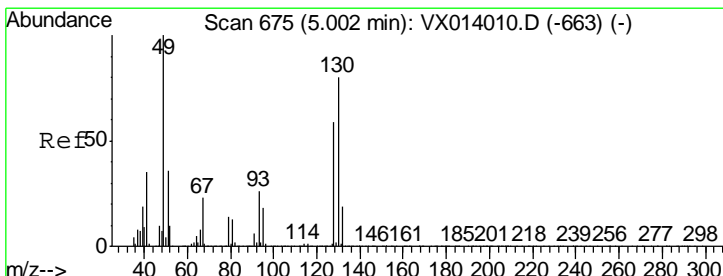
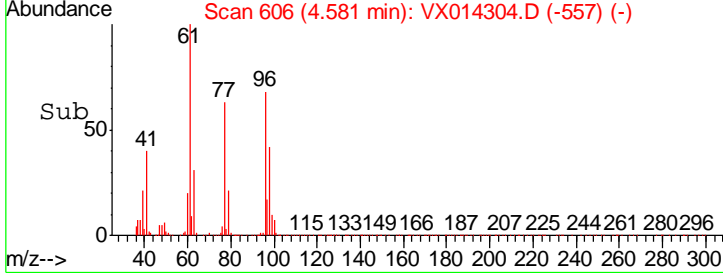
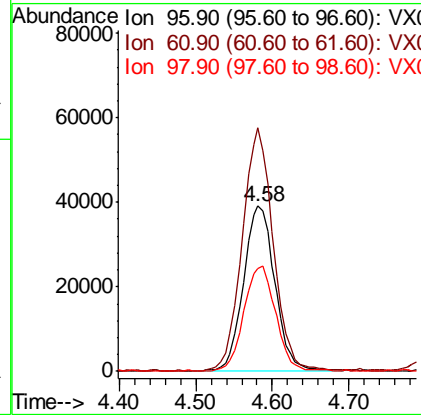
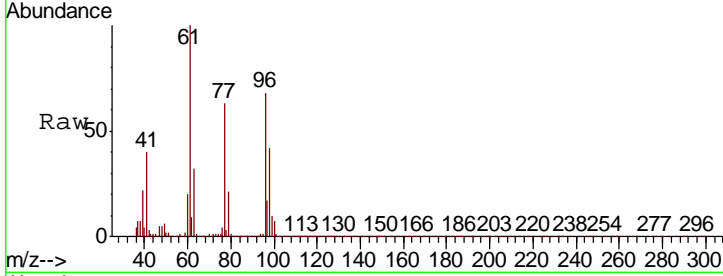


#27
 cis-1,2-Dichloroethene
 Concen: 18.436 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
96	110920		
96	100		
61	145.6	0.0	288.4
98	63.9	0.0	129.6

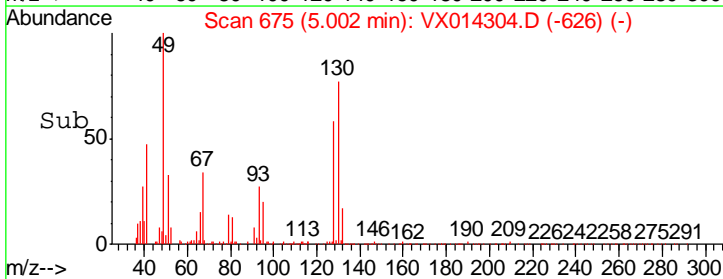
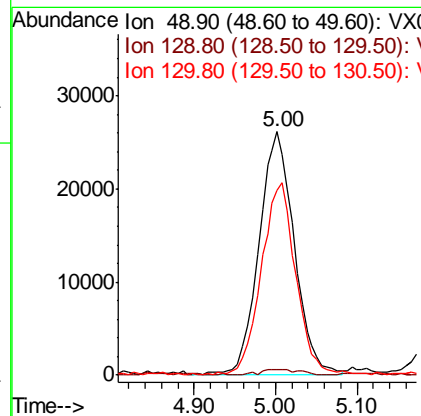
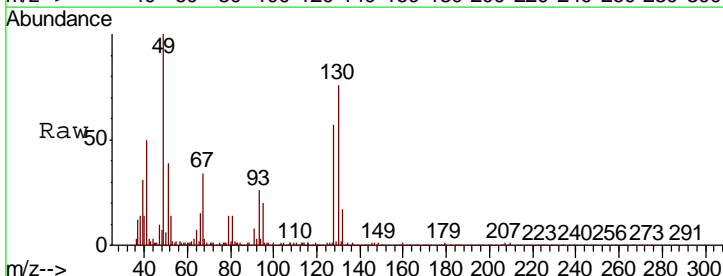
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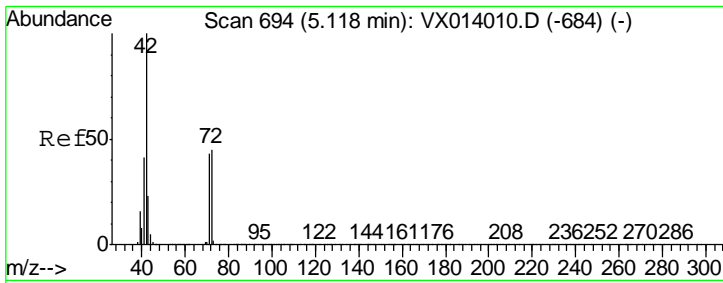


#28
 Bromochloromethane
 Concen: 21.739 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

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Tgt Ion	Resp	Lower	Upper
49	78966		
49	100		
129	2.7	0.0	5.0
130	77.5	64.6	97.0





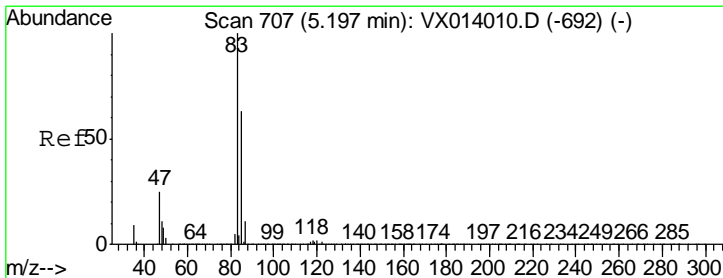
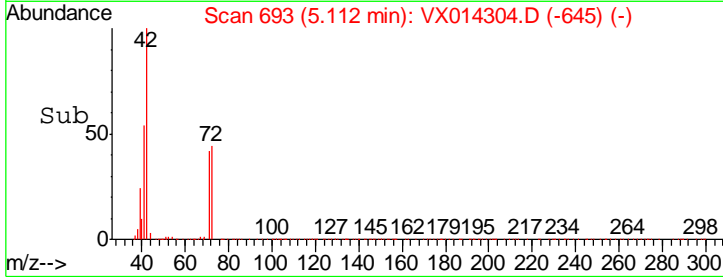
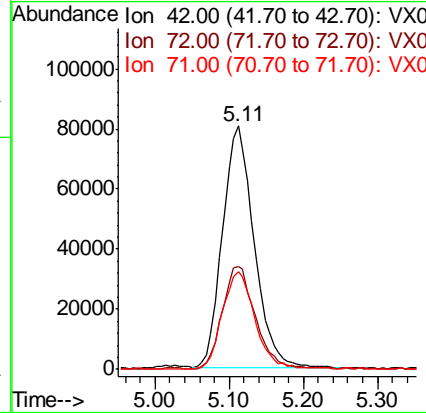
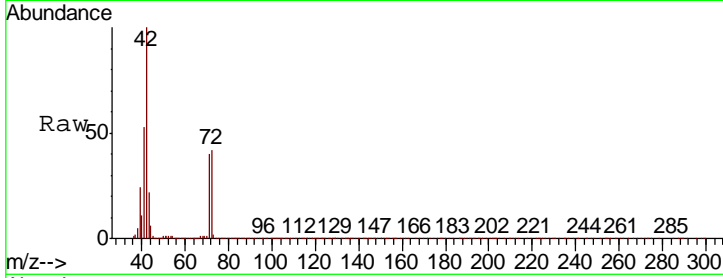
#29
 Tetrahydrofuran
 Concen: 93.876 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.4	35.8	53.8
71	41.2	33.6	50.4

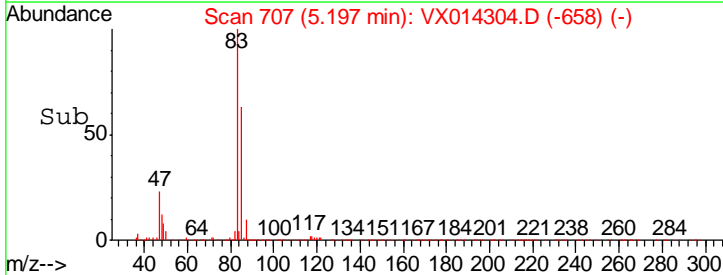
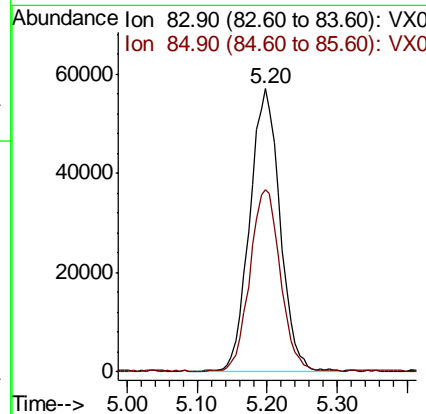
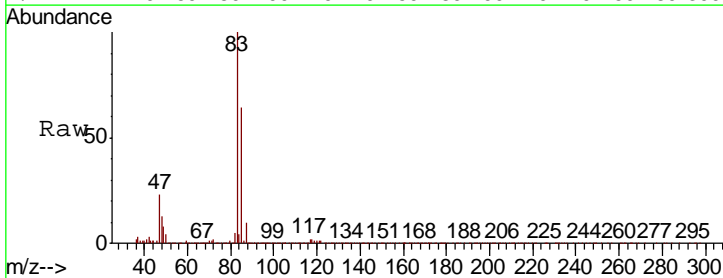
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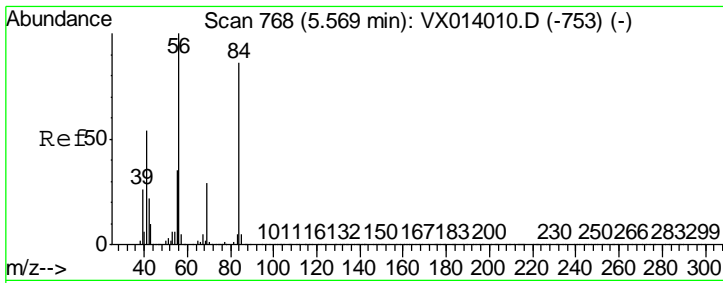
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#30
 Chloroform
 Concen: 18.986 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.6	50.8	76.2





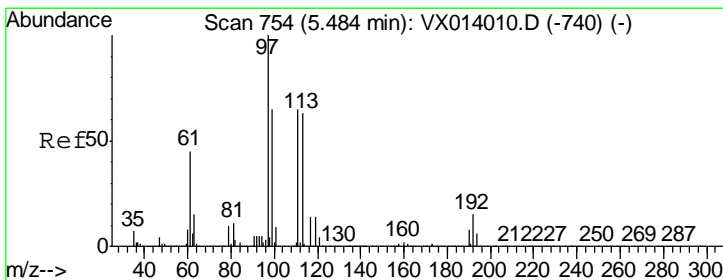
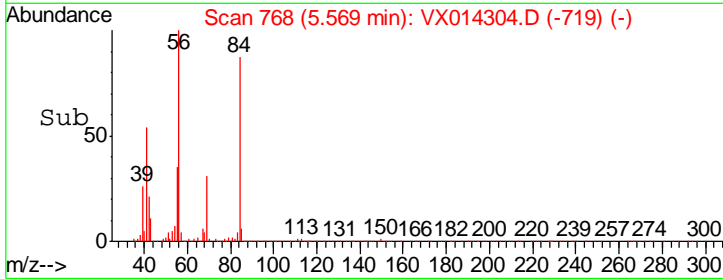
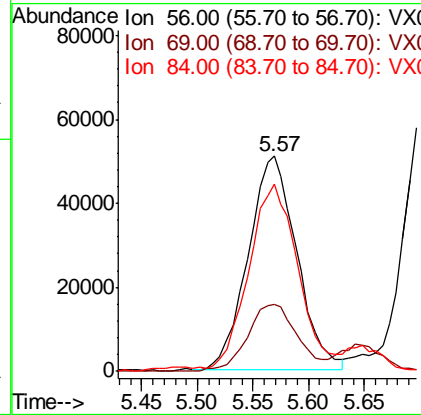
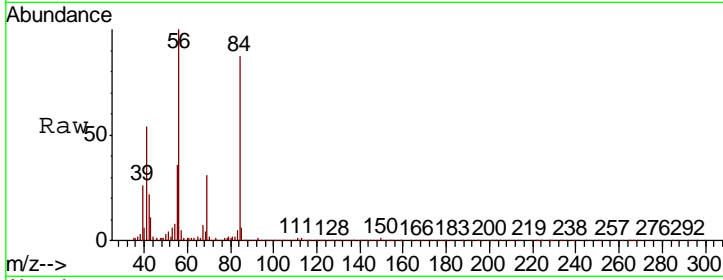
#31
 Cyclohexane
 Concen: 18.124 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
56	154089		
69	31.2	23.2	34.8
84	86.4	69.2	103.8

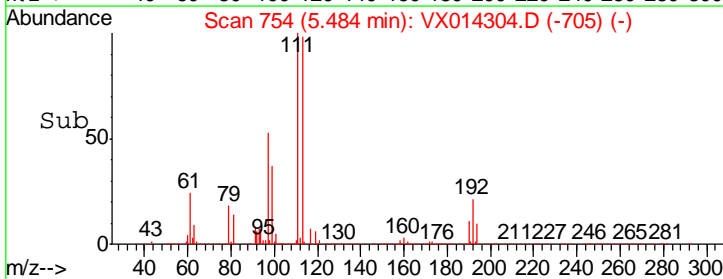
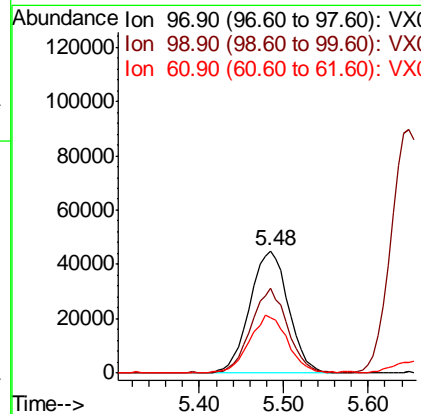
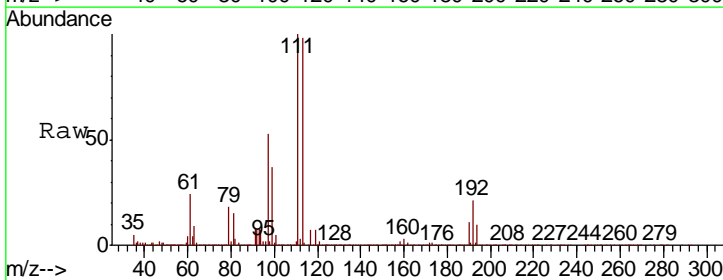
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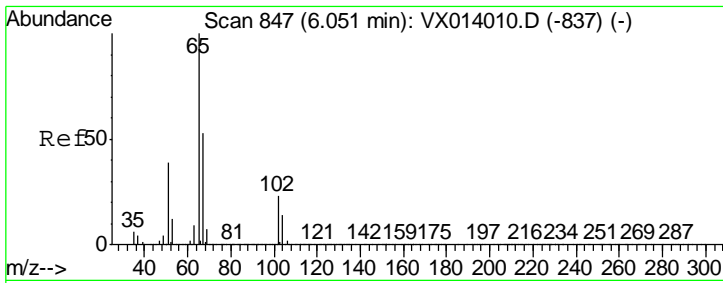
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#32
 1,1,1-Trichloroethane
 Concen: 18.020 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
97	139166		
99	65.1	52.0	78.0
61	47.7	36.7	55.1



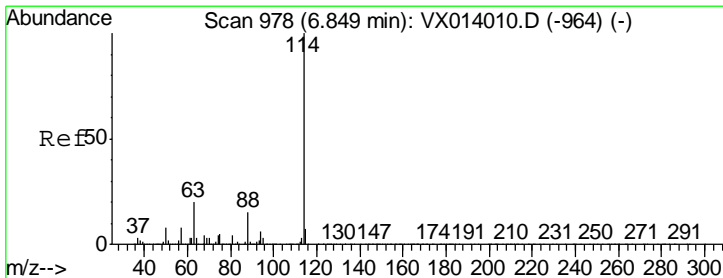
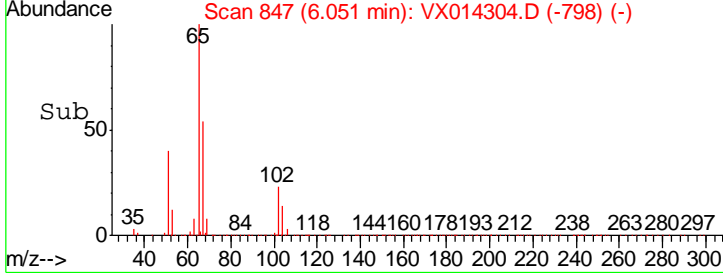
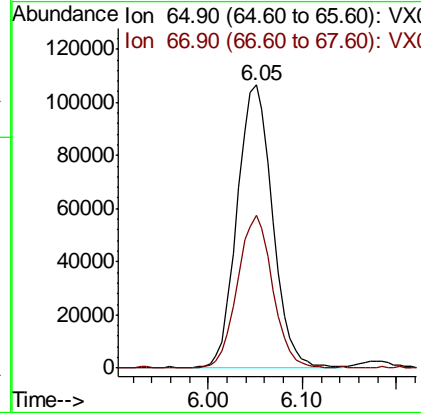
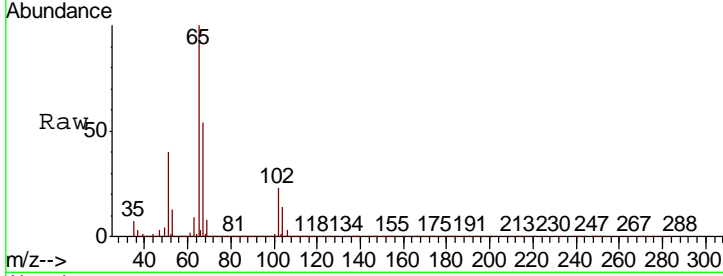


#33
 1,2-Dichloroethane-d4
 Concen: 49.071 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.1	0.0	106.4

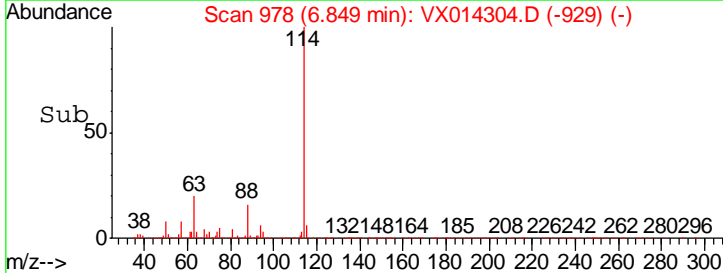
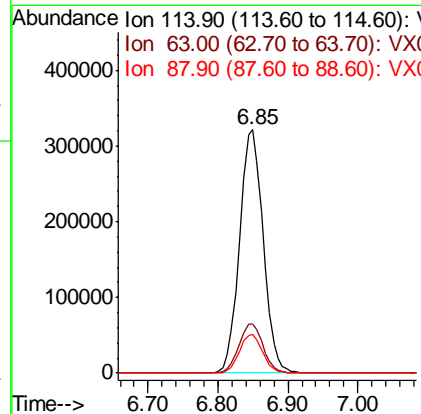
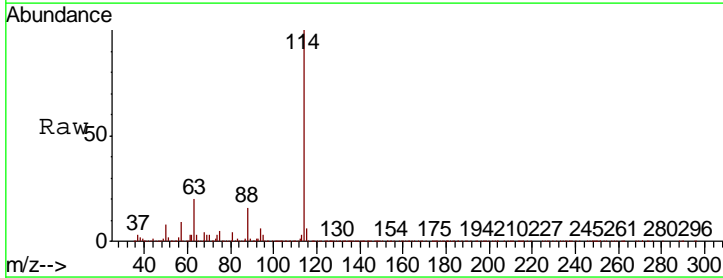
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

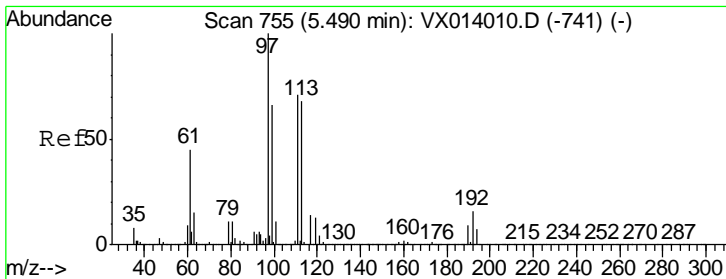
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	16.1	0.0	30.4



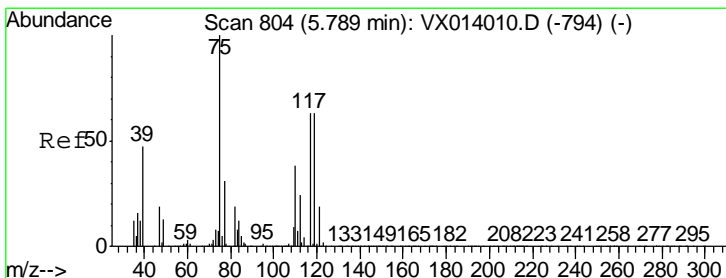
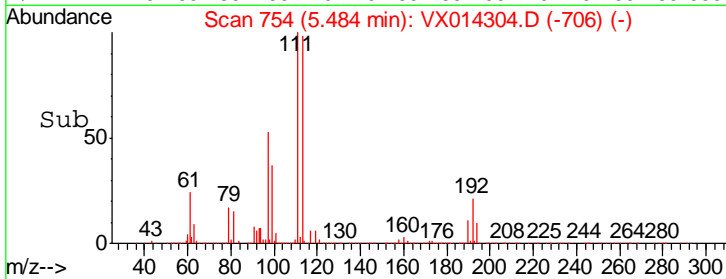
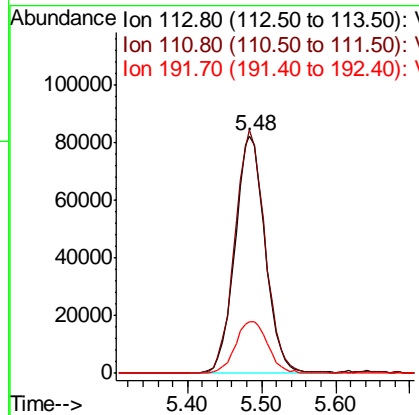
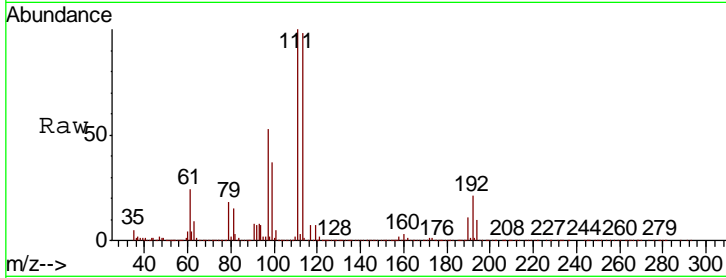


#35
 Dibromofluoromethane
 Concen: 50.665 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX1227WBS01

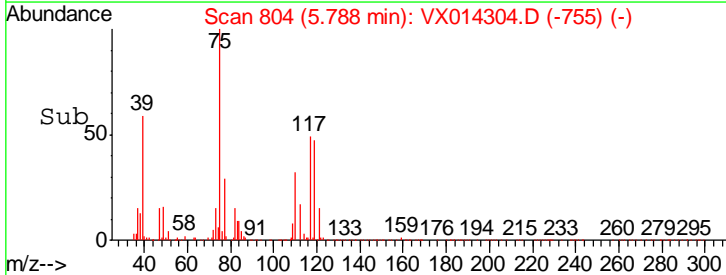
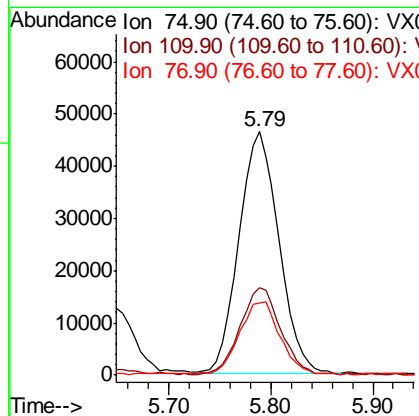
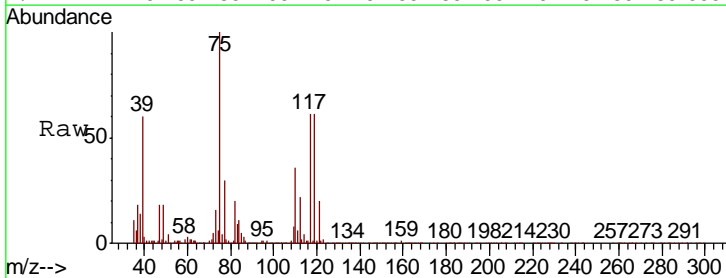
Tgt Ion	Resp	Lower	Upper
113	232910		
113	100		
111	102.8	82.0	123.0
192	23.8	19.3	28.9

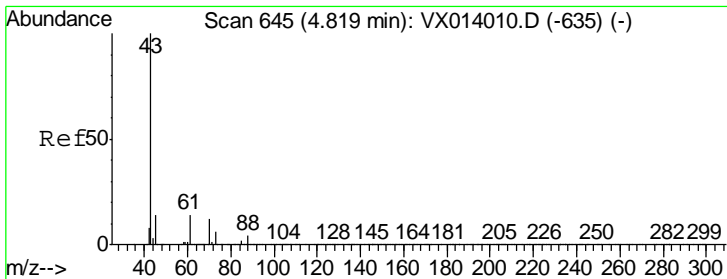
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#36
 1,1-Dichloropropene
 Concen: 18.107 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
75	125643		
75	100		
110	36.3	18.3	54.9
77	30.5	24.8	37.2



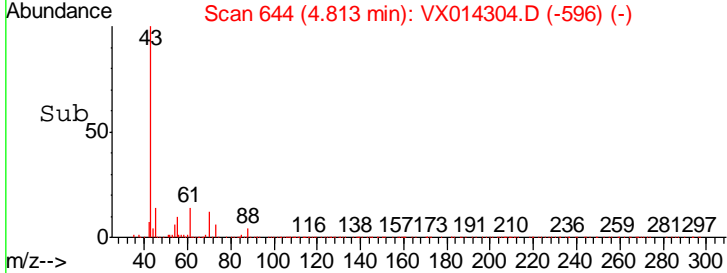
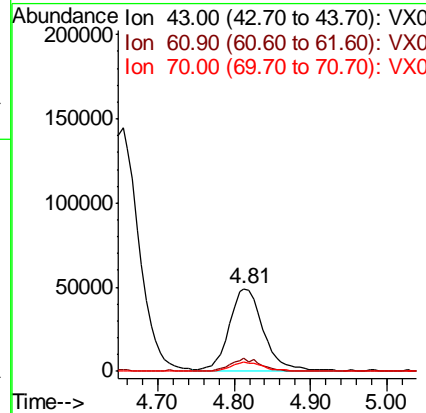
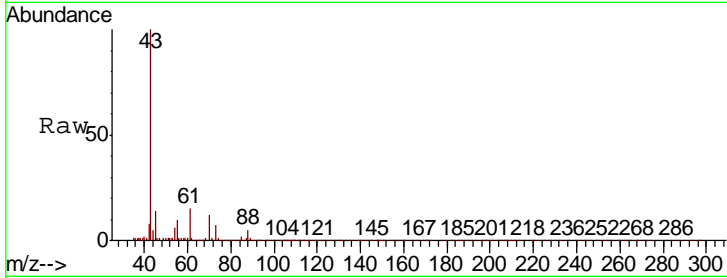


#37
Ethyl Acetate
Concen: 19.161 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014304.D
Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
43	146823		
61	13.4	10.8	16.2
70	11.4	8.6	12.8

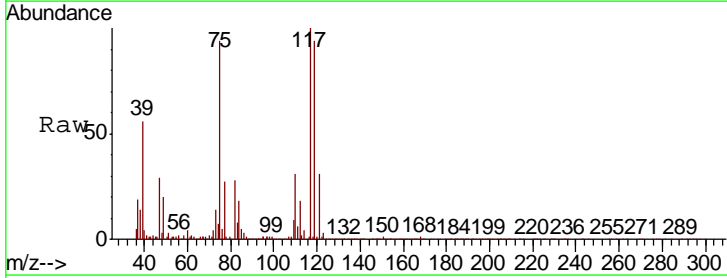
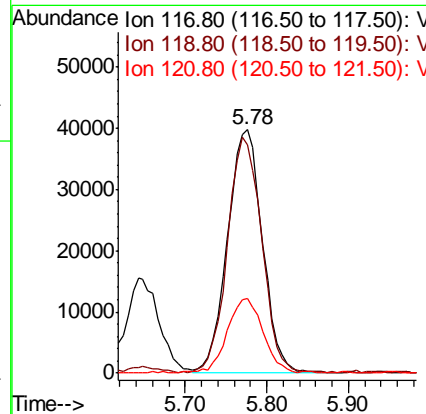
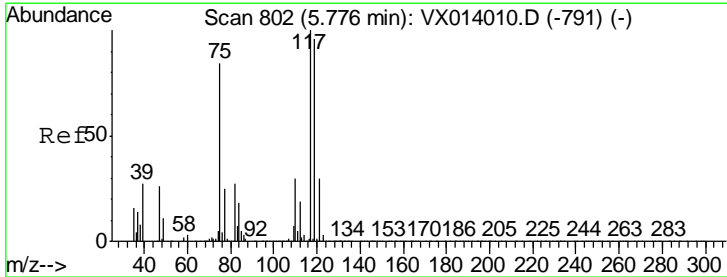
Instrument : MSVOA_X
Client Sampled : VX1227WBS01

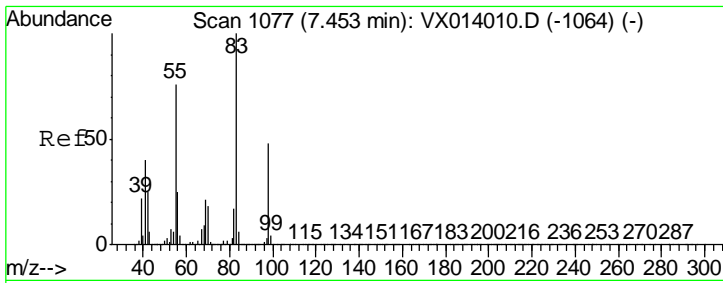
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#38
Carbon Tetrachloride
Concen: 18.518 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014304.D
Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
117	117060		
119	94.1	76.2	114.4
121	30.3	23.6	35.4



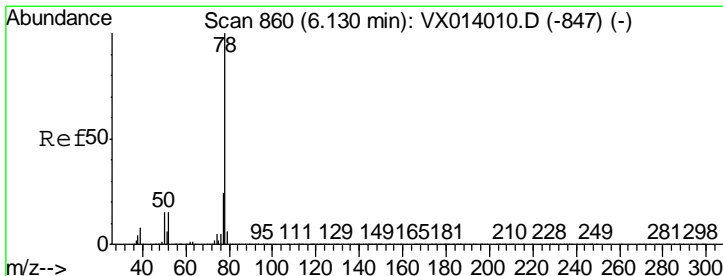
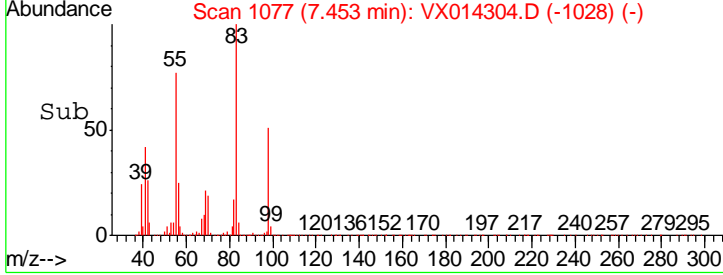
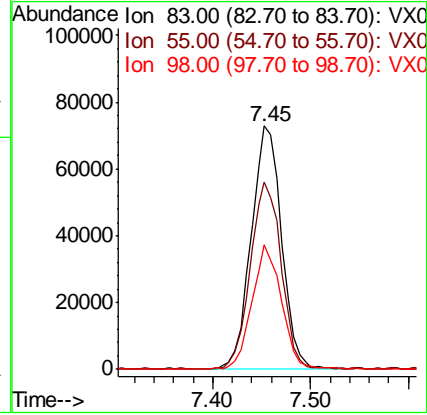
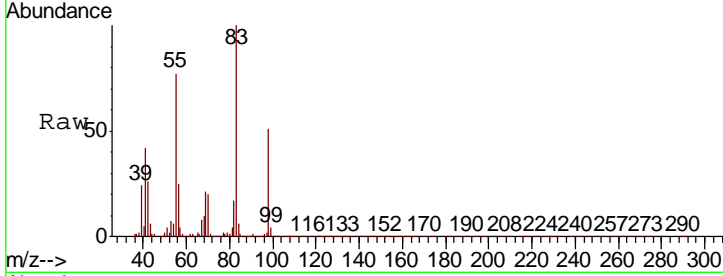


#39
 Methylcyclohexane
 Concen: 18.448 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
83	158060		
83	100		
55	76.7	61.0	91.6
98	50.8	38.6	57.8

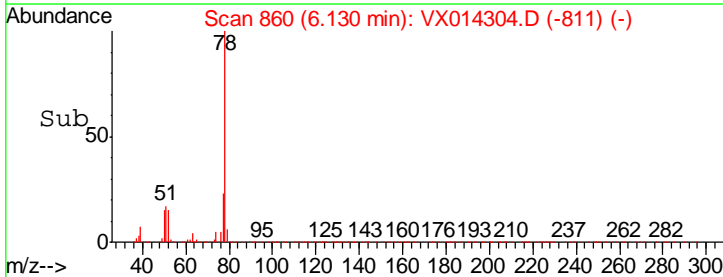
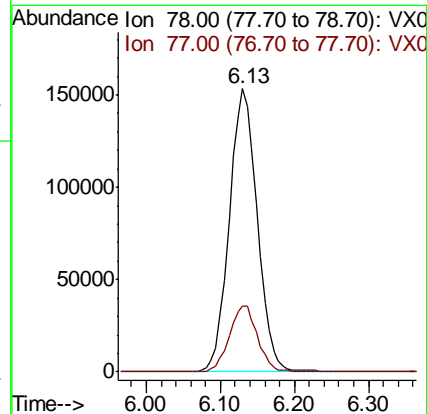
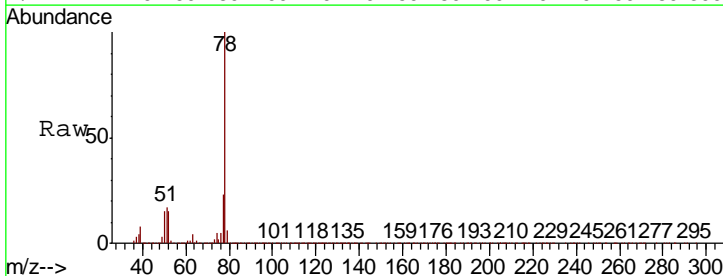
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

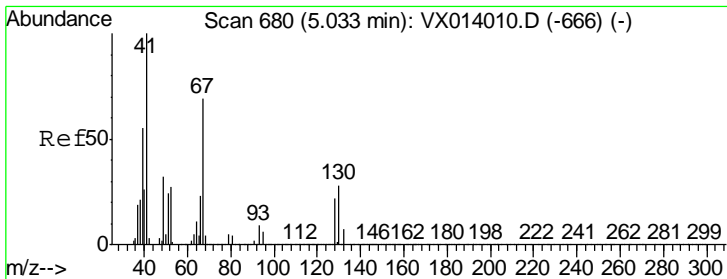
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#40
 Benzene
 Concen: 18.777 ug/l
 RT: 6.13 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

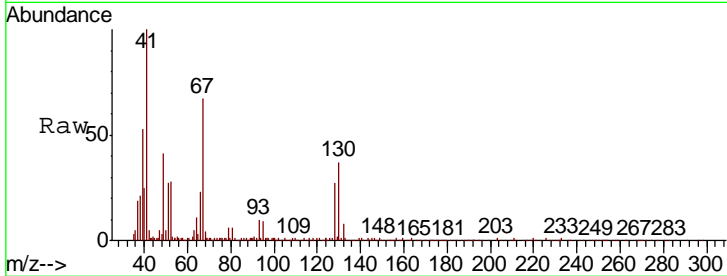
Tgt Ion	Resp	Lower	Upper
78	400895		
78	100		
77	23.3	18.8	28.2





#41
 Methacrylonitrile
 Concen: 19.214 ug/l
 RT: 5.03 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

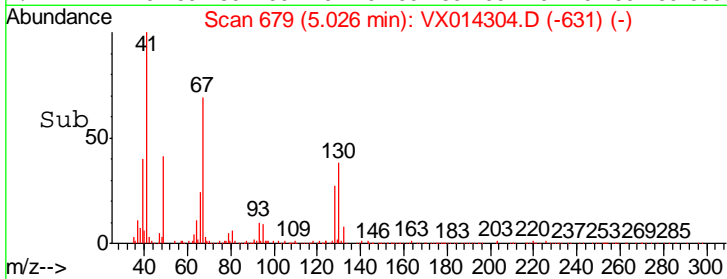
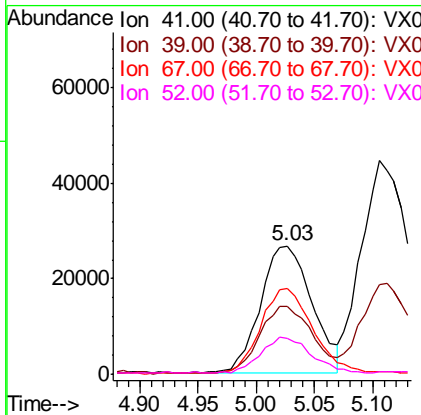
Instrument : MSVOA_X
 ClientSampled : VX1227WBS01



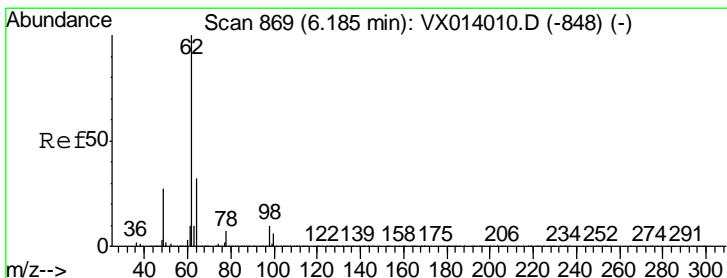
Tgt Ion: 41 Resp: 81690

Ion	Ratio	Lower	Upper
41	100		
39	54.2	44.5	66.7
67	68.6	57.4	86.0
52	28.5	23.0	34.4

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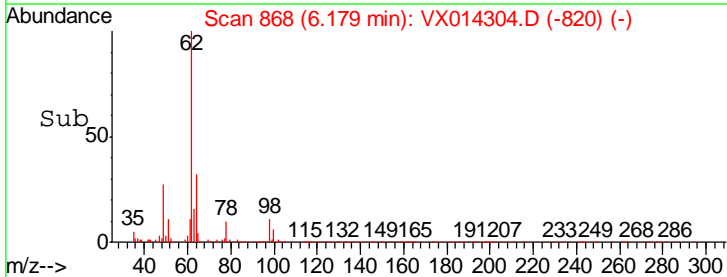
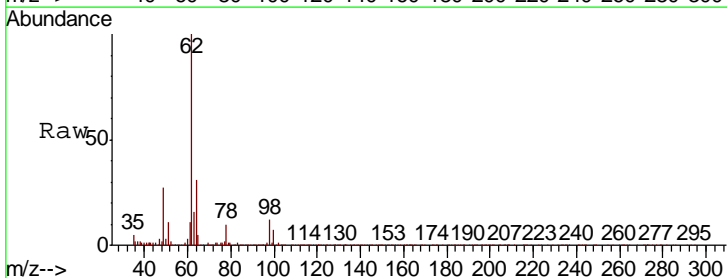
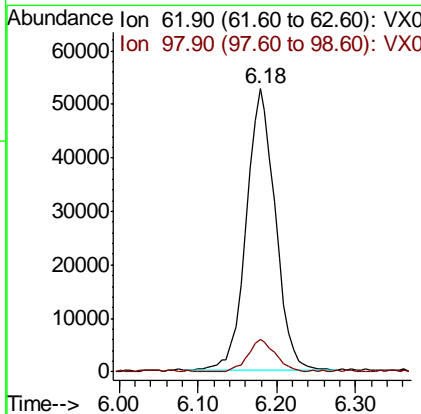


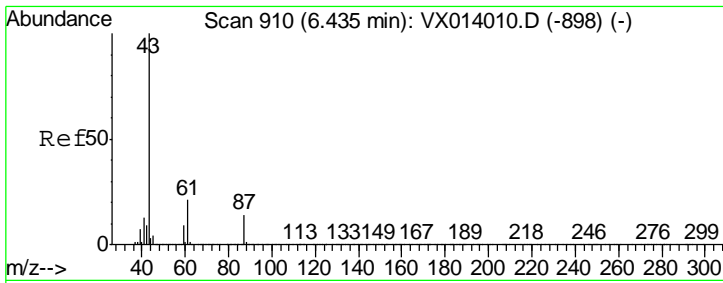
#42
 1,2-Dichloroethane
 Concen: 18.680 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15



Tgt Ion: 62 Resp: 135193

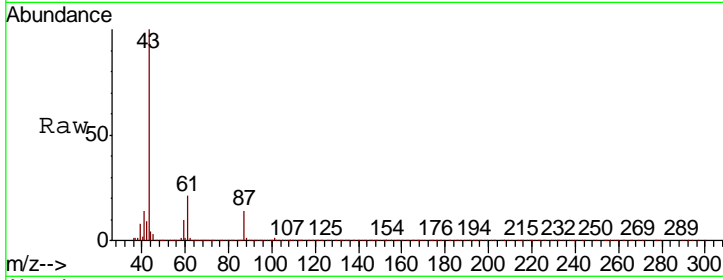
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.0





#43
 Isopropyl Acetate
 Concen: 18.623 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

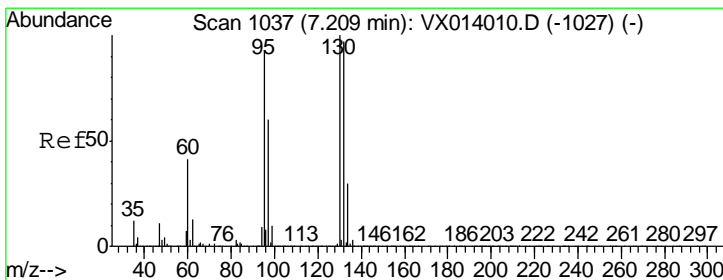
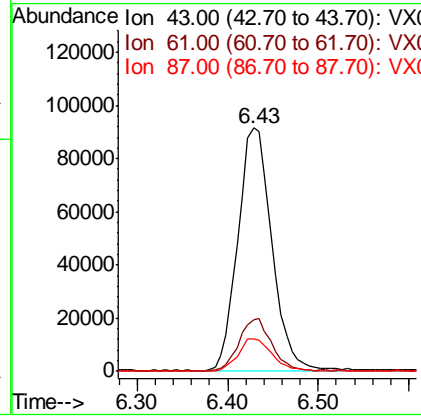
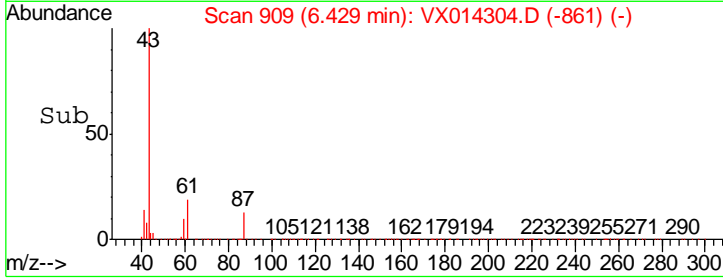
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01



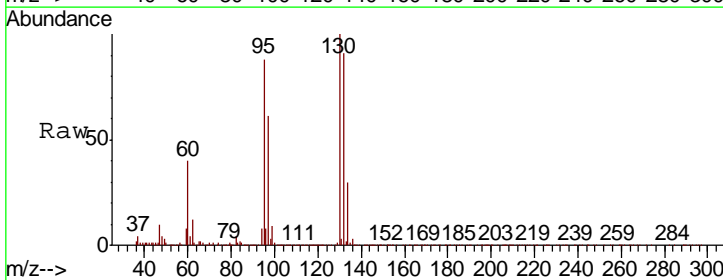
Tgt Ion: 43 Resp: 236159

Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.4	24.6
87	13.1	10.7	16.1

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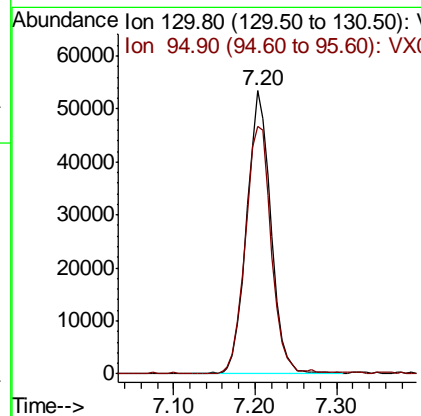
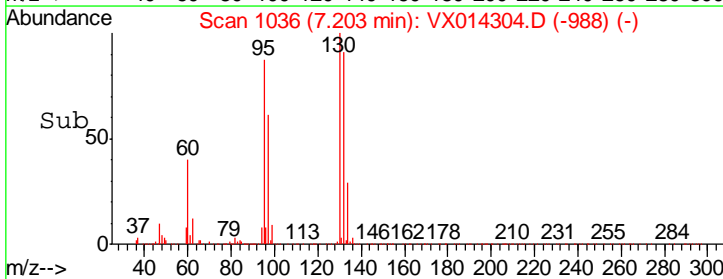


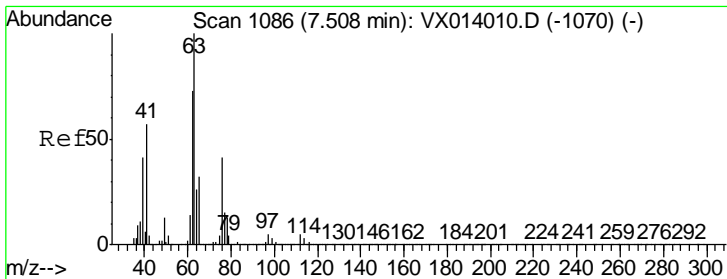
#44
 Trichloroethene
 Concen: 18.532 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15



Tgt Ion: 130 Resp: 109283

Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	185.6



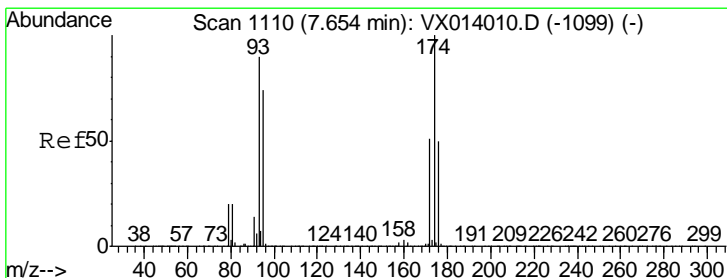
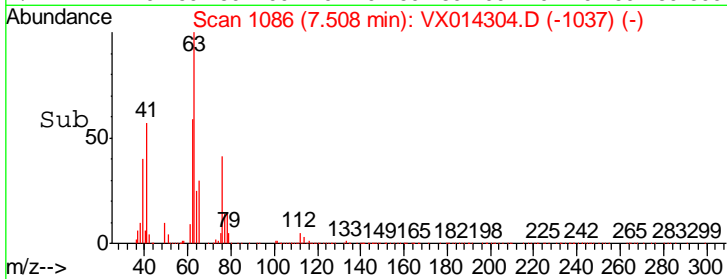
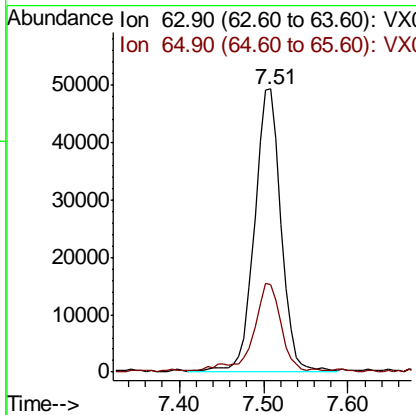
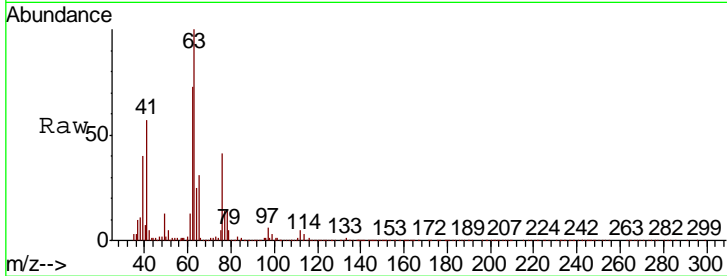


#45
 1,2-Dichloropropane
 Concen: 19.136 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
63	104719		
65	30.8	25.8	38.8

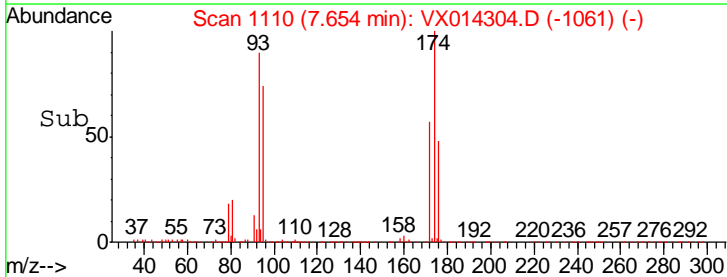
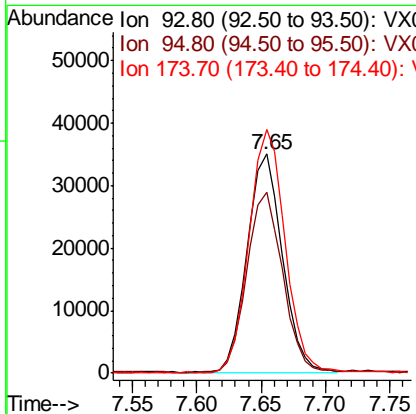
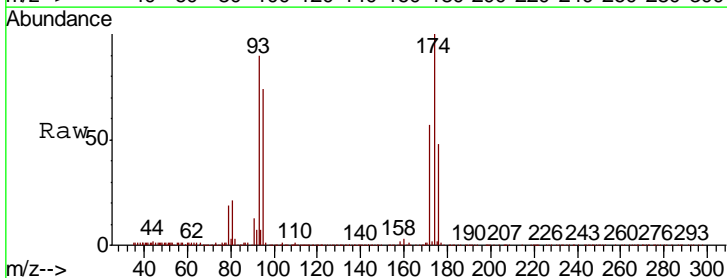
Instrument : MSVOA_X
 ClientSampled : VX1227WBS01

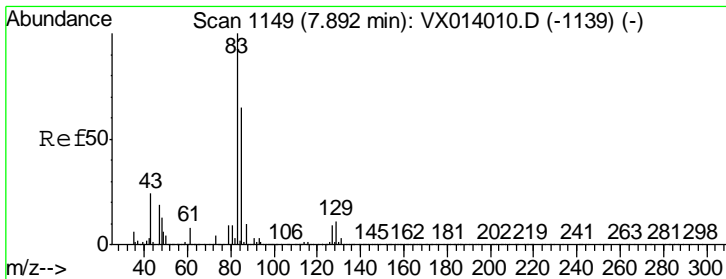
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#46
 Dibromomethane
 Concen: 18.368 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
93	66455		
95	83.1	67.3	100.9
174	113.5	91.6	137.4





#47

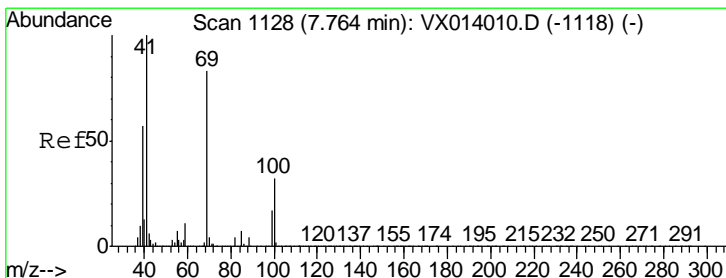
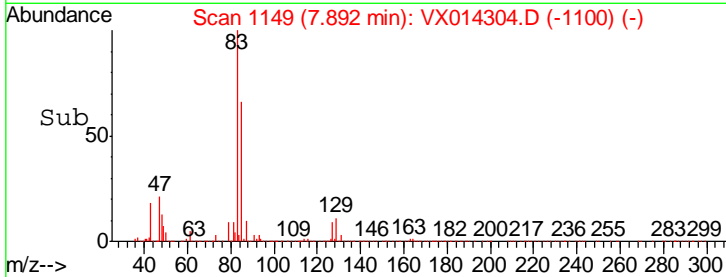
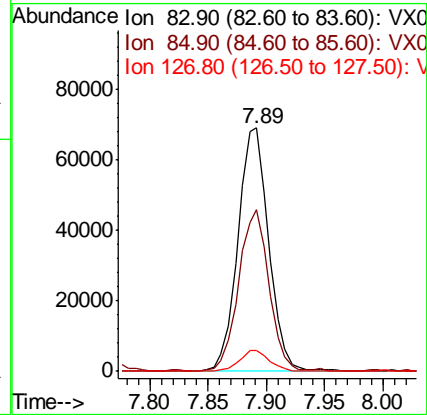
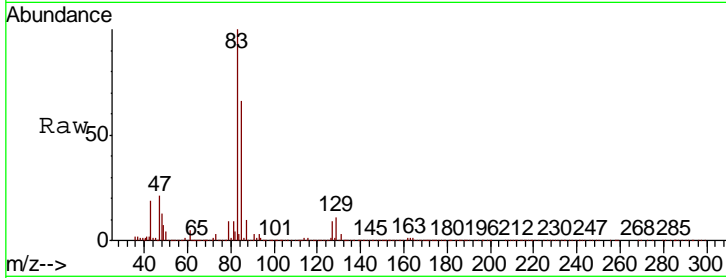
Bromodichloromethane
 Concen: 18.503 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
83	126077		
83	100		
85	66.1	51.8	77.8
127	8.7	7.0	10.4

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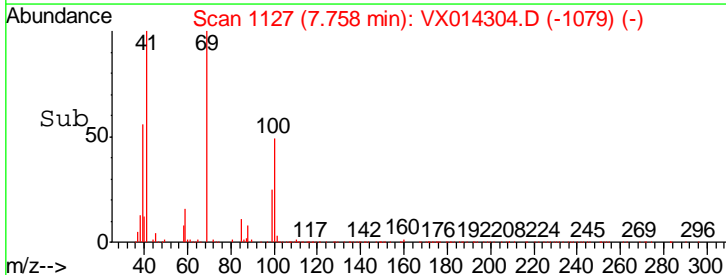
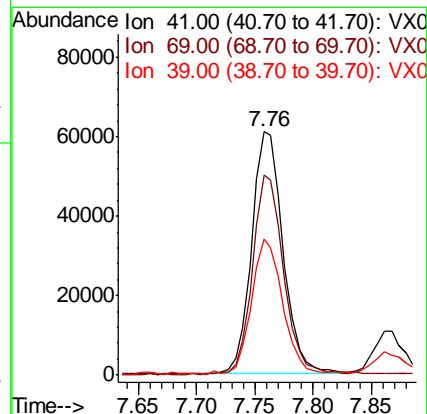
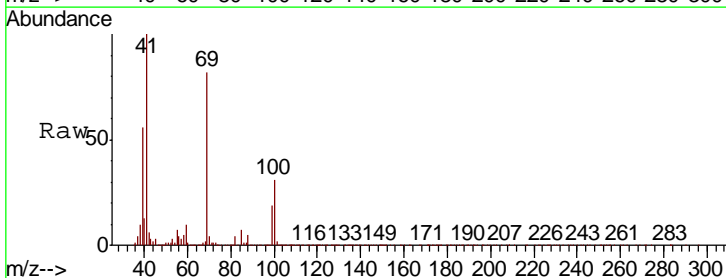
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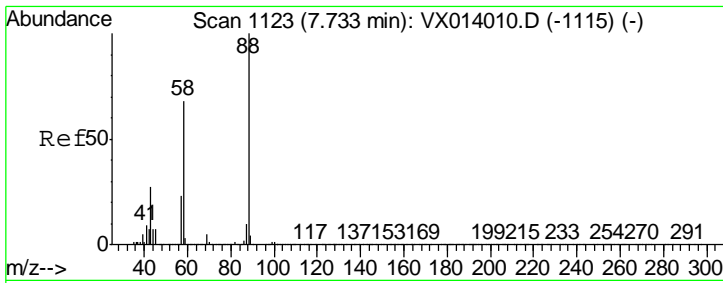


#48

Methyl methacrylate
 Concen: 18.419 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
41	114374		
41	100		
69	82.8	65.8	98.6
39	57.1	44.6	67.0



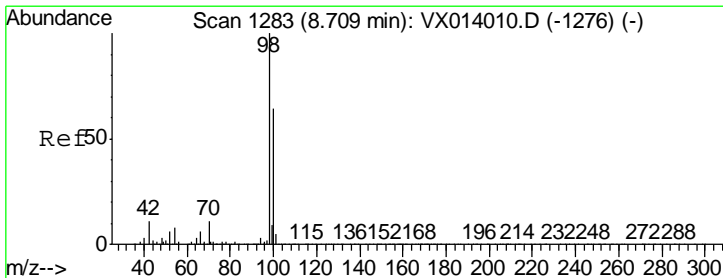
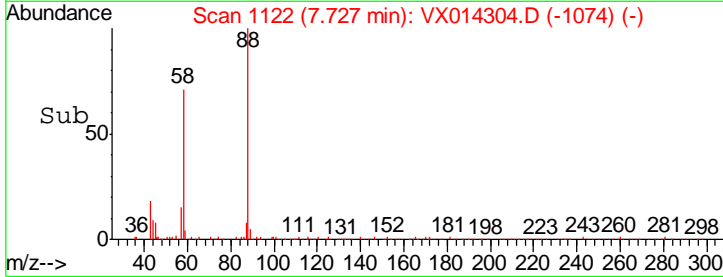
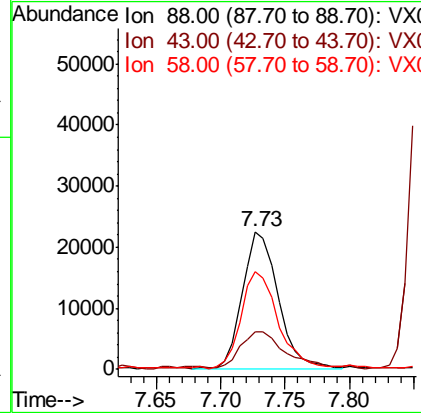
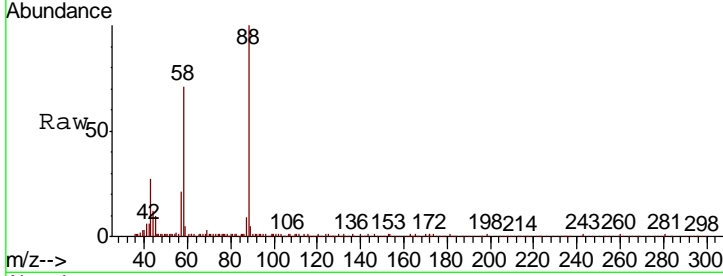


#49
 1,4-Dioxane
 Concen: 337.258 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX1227WBS01

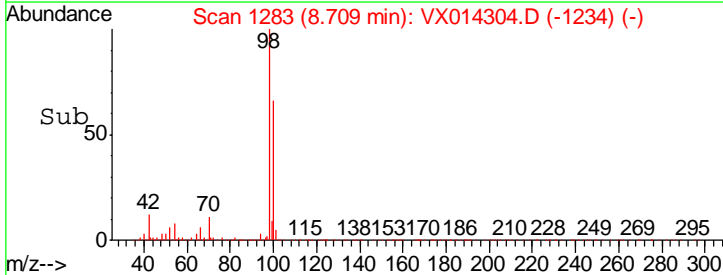
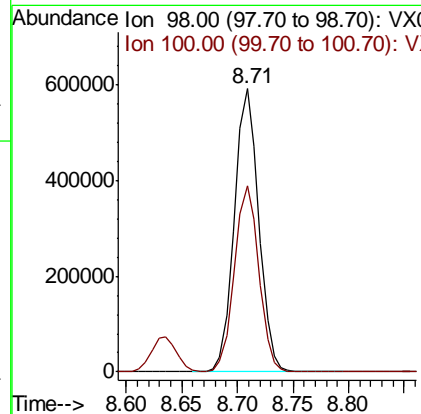
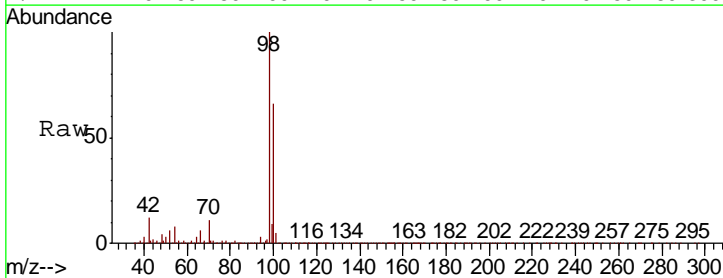
Tgt Ion	Resp	Lower	Upper
88	42618		
88	100		
43	37.4	26.5	39.7
58	73.6	56.8	85.2

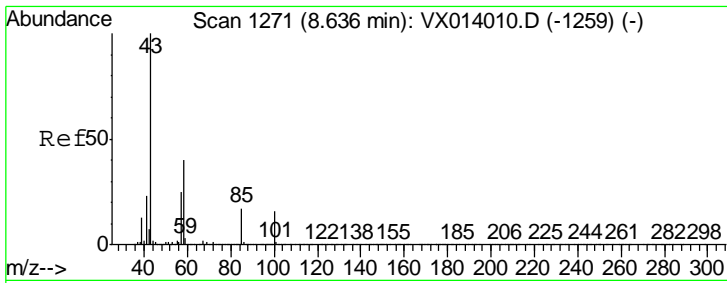
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#50
 Toluene-d8
 Concen: 50.035 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
98	895499		
98	100		
100	66.0	52.9	79.3



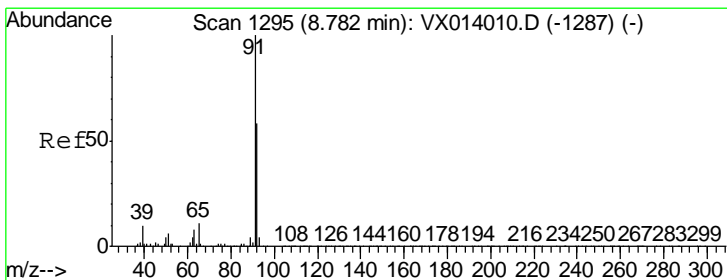
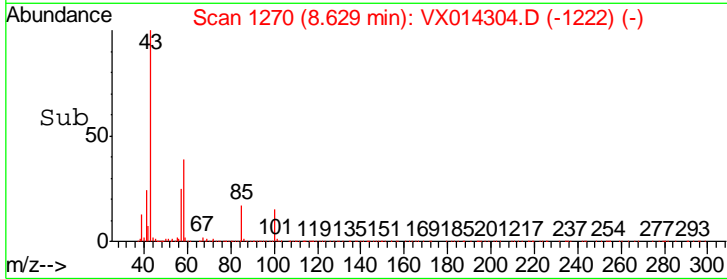
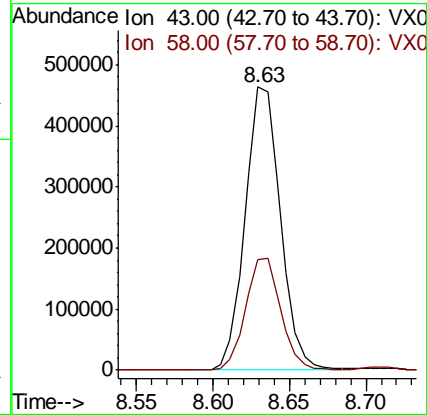
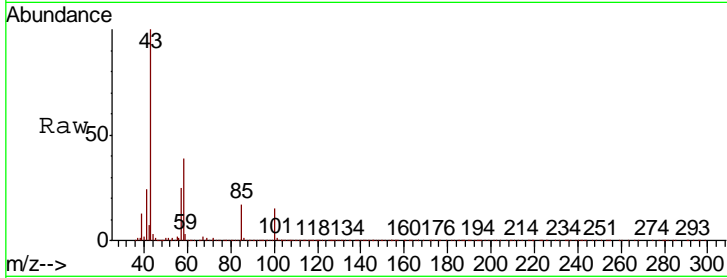


#51
 4-Methyl-2-Pentanone
 Concen: 93.339 ug/l
 RT: 8.63 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.2	48.2

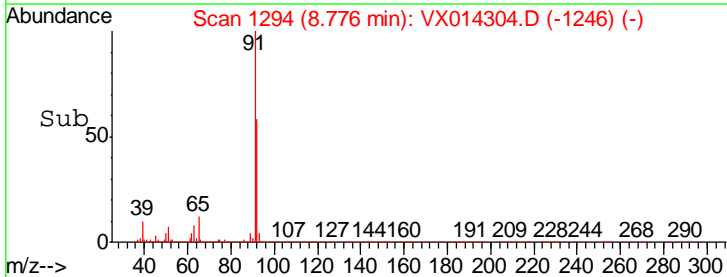
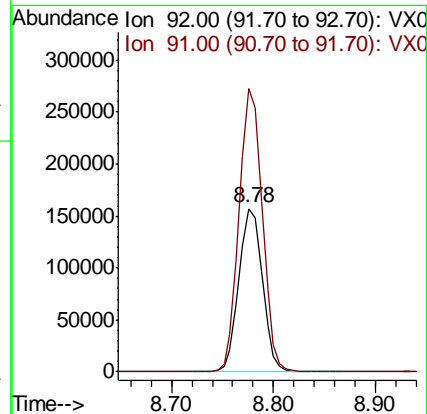
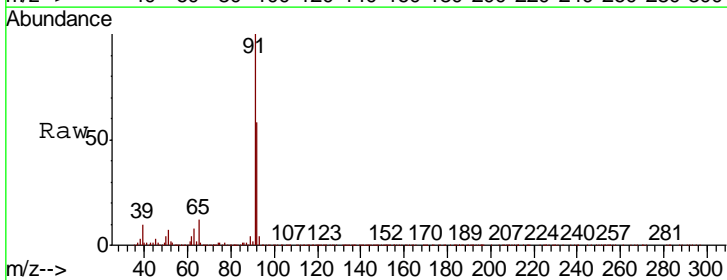
Instrument : MSVOA_X
 ClientSampled : VX1227WBS01

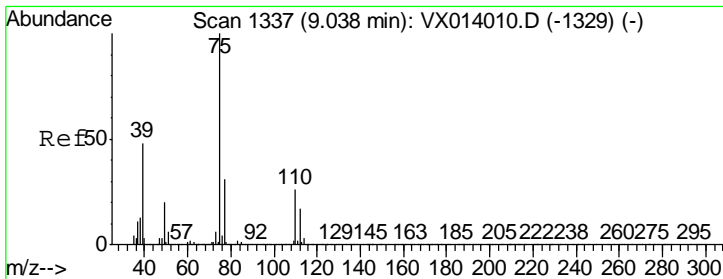
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#52
 Toluene
 Concen: 18.498 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.3	136.2	204.4





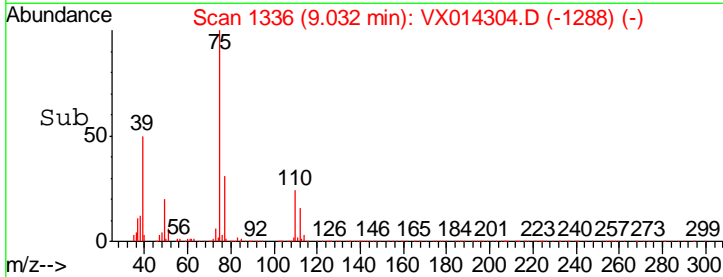
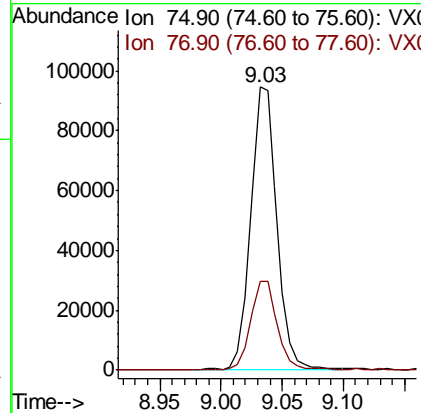
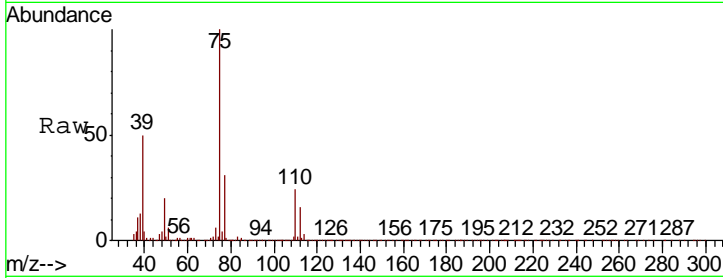
#53
 t-1,3-Dichloropropene
 Concen: 18.781 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
75	140325		
75	100		
77	31.2	25.1	37.7

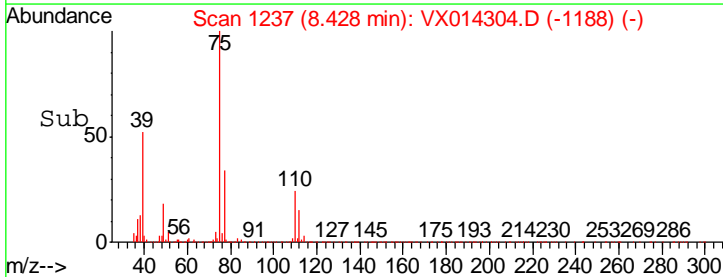
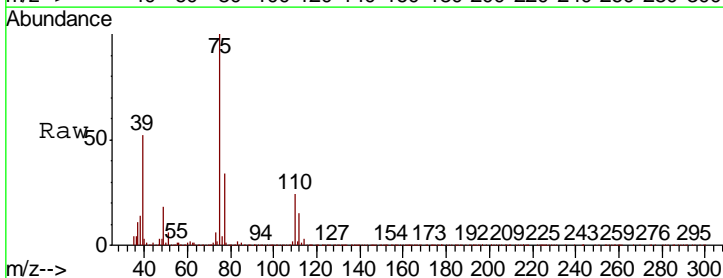
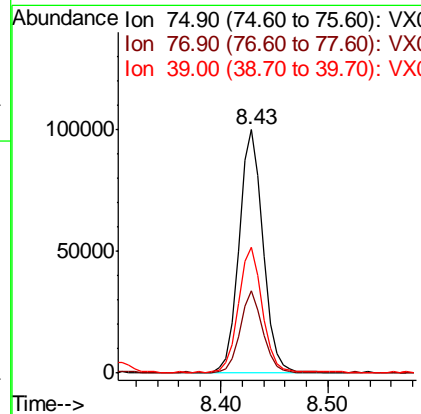
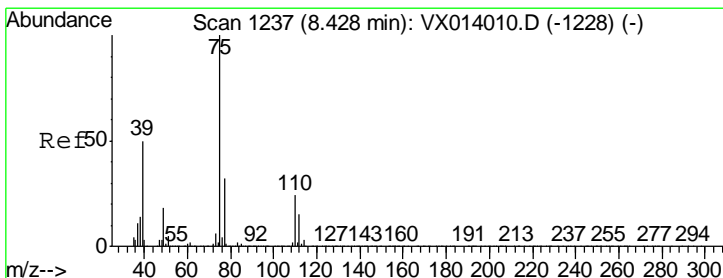
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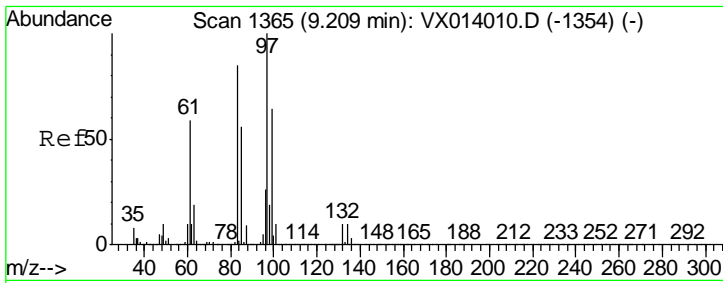
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#54
 cis-1,3-Dichloropropene
 Concen: 18.952 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
75	157749		
75	100		
77	33.7	25.3	37.9
39	51.4	39.9	59.9





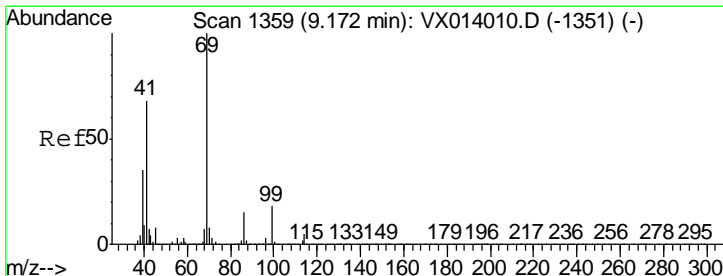
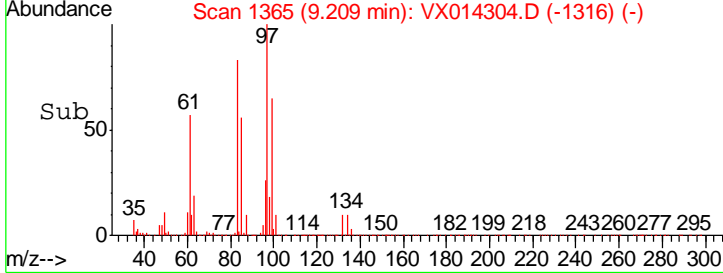
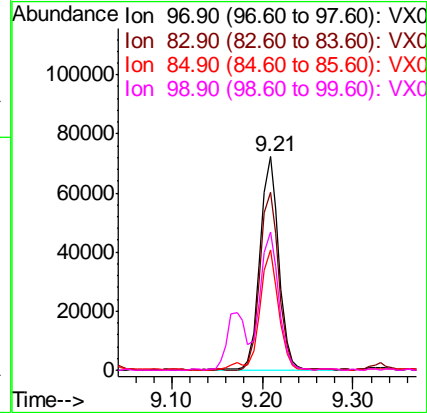
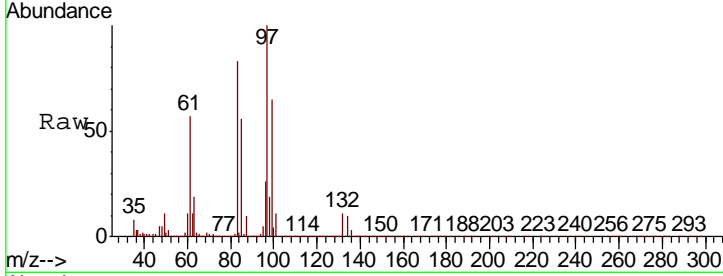
#55
 1,1,2-Trichloroethane
 Concen: 19.104 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
97	103324		
83	83.1	68.2	102.4
85	56.1	44.6	66.8
99	64.5	51.4	77.0

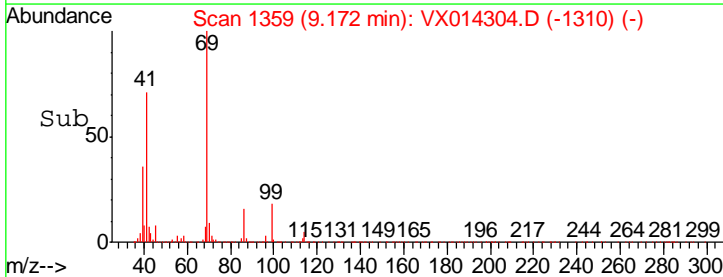
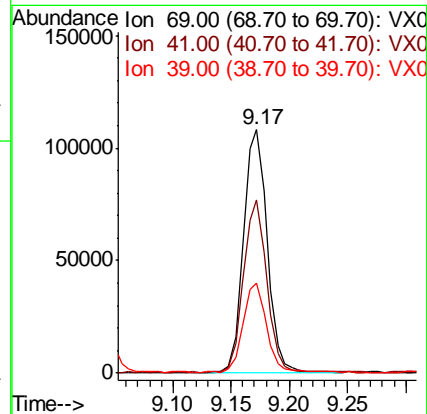
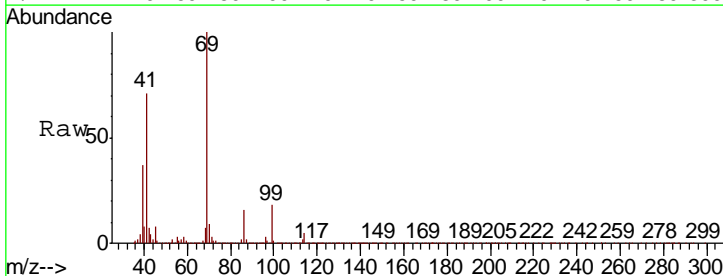
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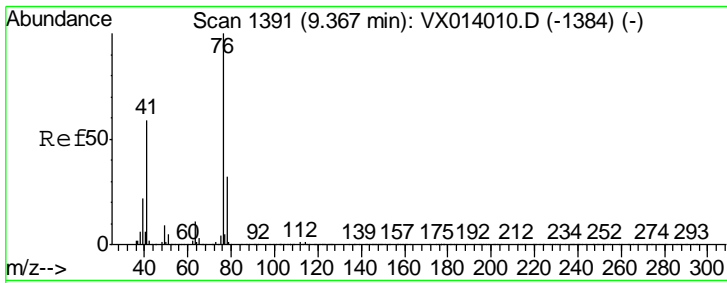
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#56
 Ethyl methacrylate
 Concen: 18.280 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
69	155302		
41	69.5	54.8	82.2
39	36.1	28.3	42.5



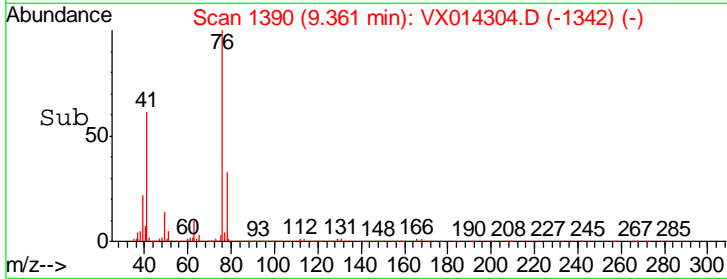
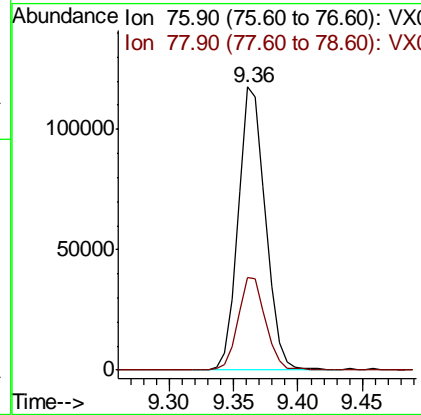
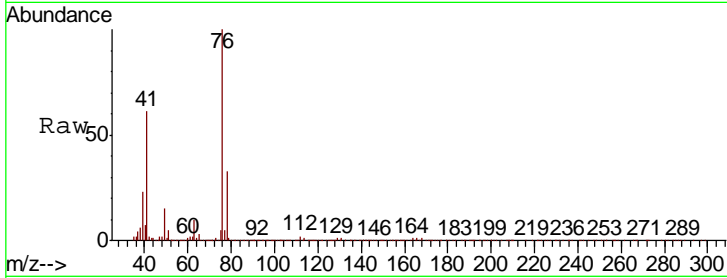


#57
 1,3-Dichloropropane
 Concen: 18.951 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 ClientSampled : VX1227WBS01

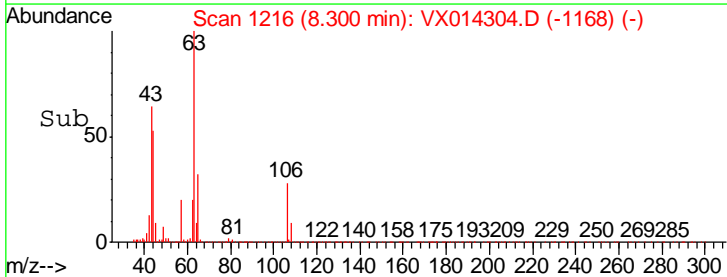
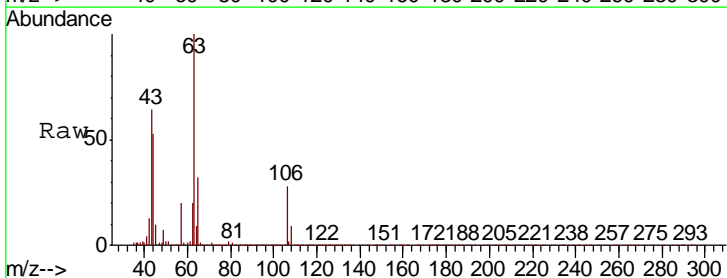
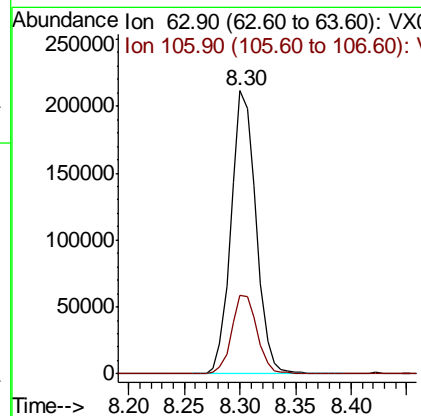
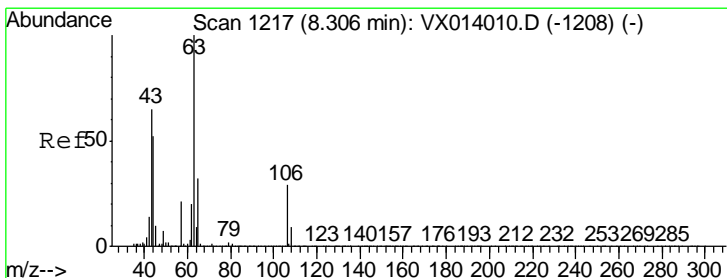
Tgt Ion	Resp	Lower	Upper
76	172450		
76	100		
78	33.1	25.8	38.6

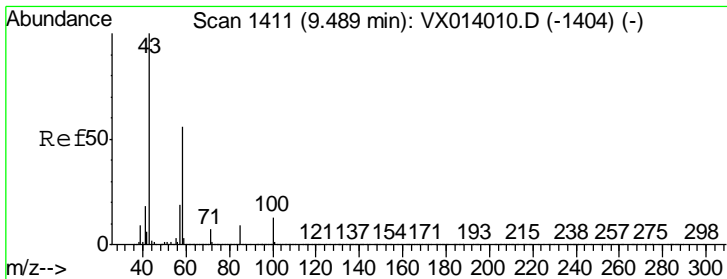
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.761 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
63	327178		
63	100		
106	28.1	23.0	34.6





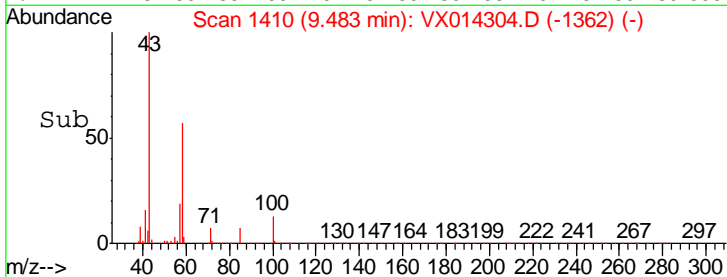
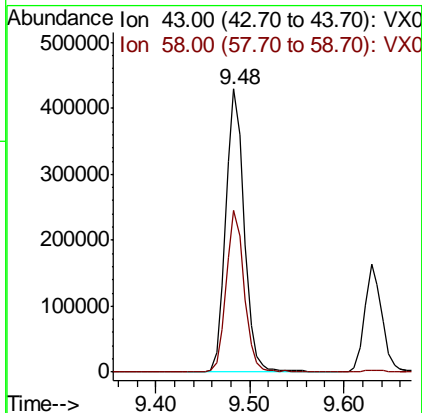
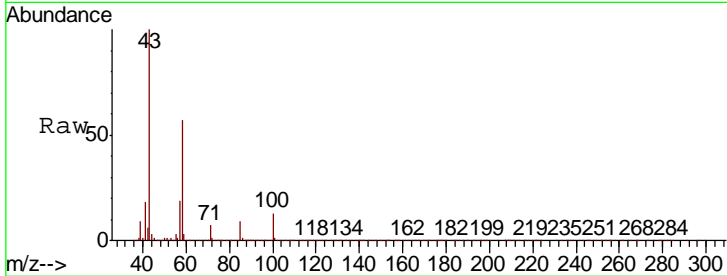
#59
 2-Hexanone
 Concen: 90.744 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 ClientSampled : VX1227WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.2	28.0	84.0

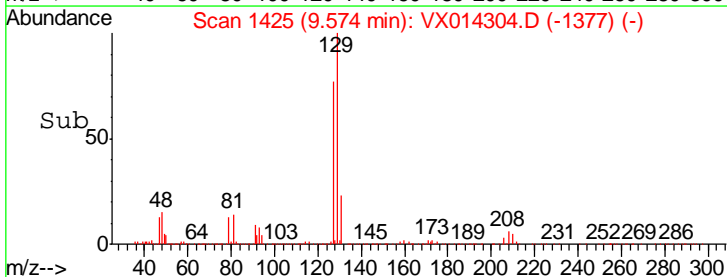
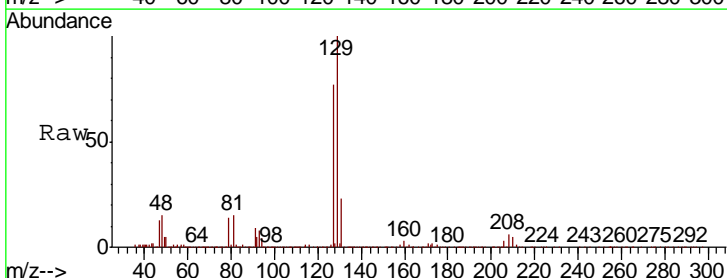
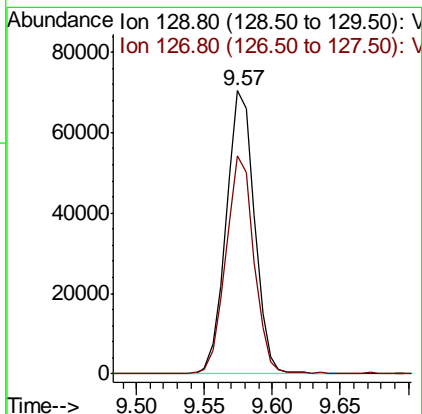
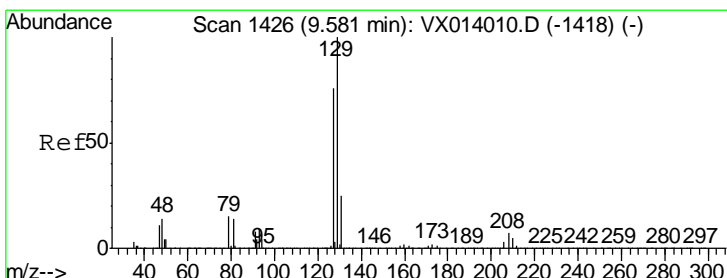
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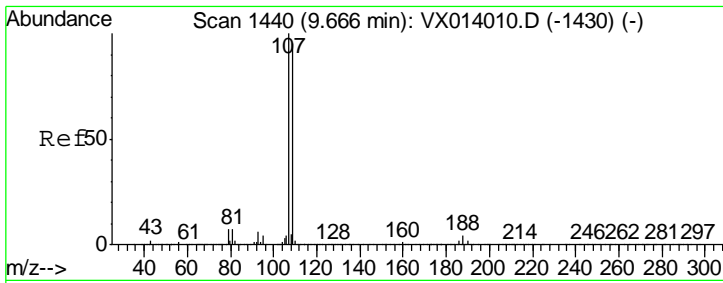
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#60
 Dibromochloromethane
 Concen: 18.830 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.4	115.2





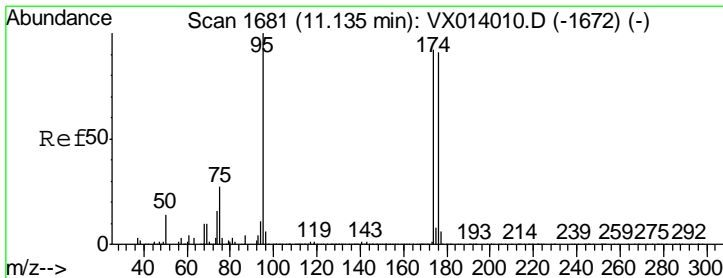
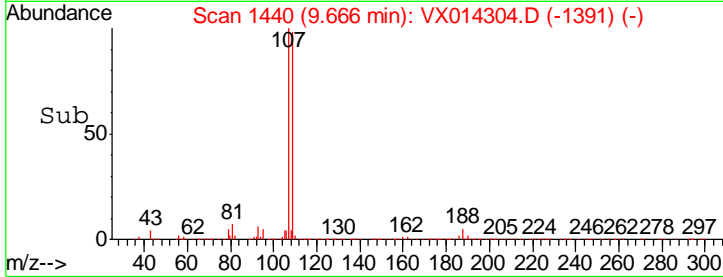
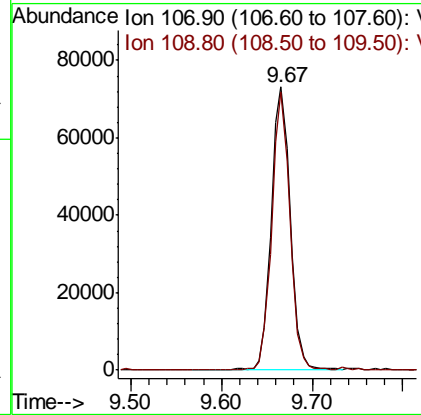
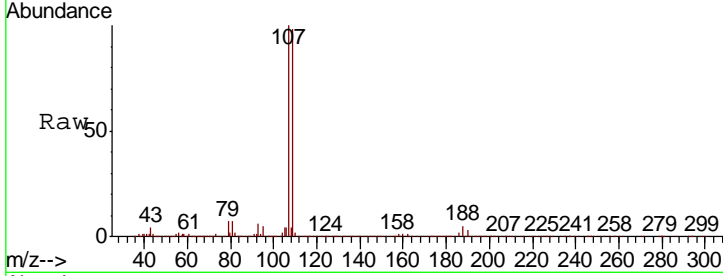
#61
 1,2-Dibromoethane
 Concen: 19.154 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
107	105994		
109	92.9	75.7	113.5

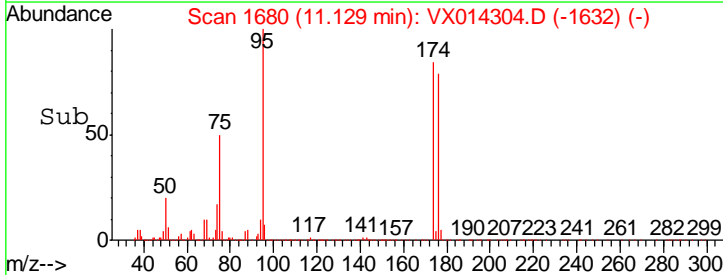
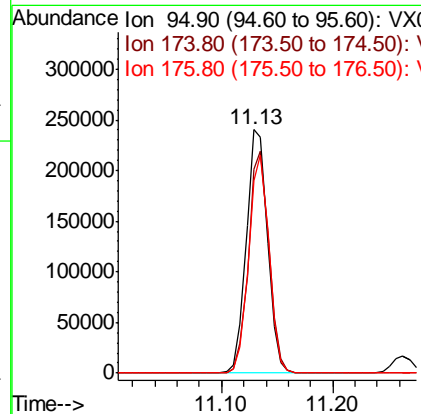
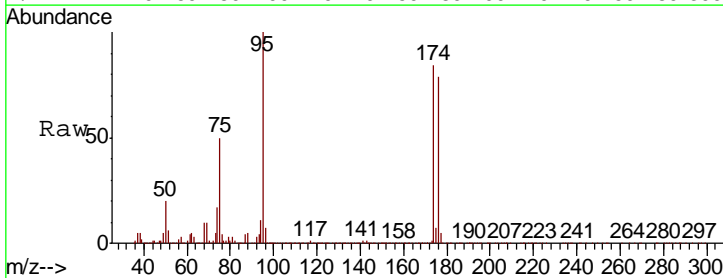
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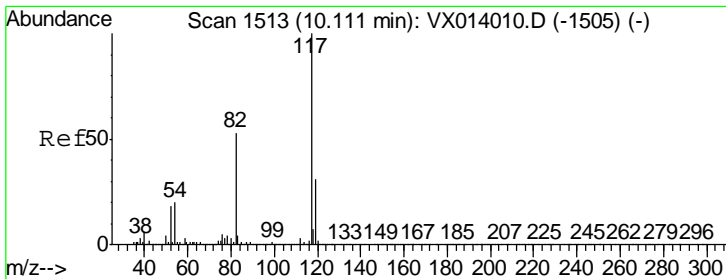
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#62
 4-Bromofluorobenzene
 Concen: 48.441 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

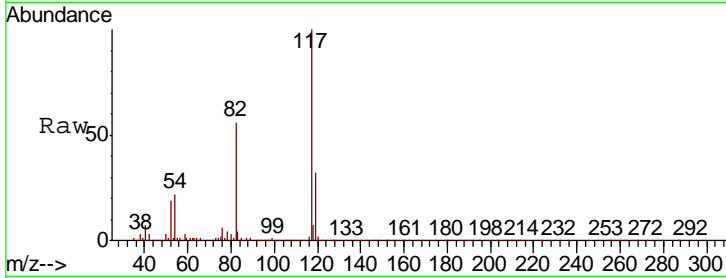
Tgt Ion	Resp	Lower	Upper
95	316921		
174	88.0	0.0	175.8
176	85.9	0.0	173.0





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

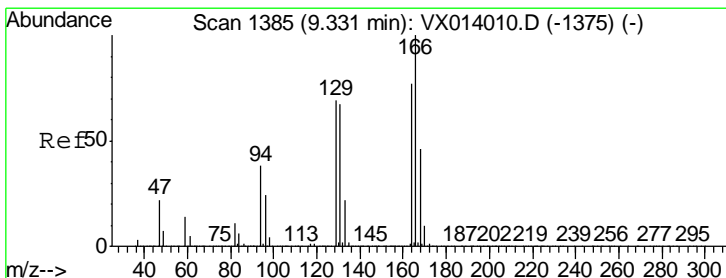
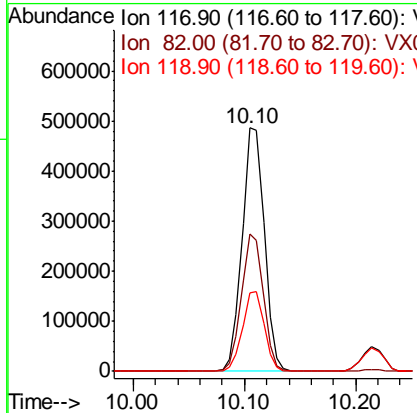
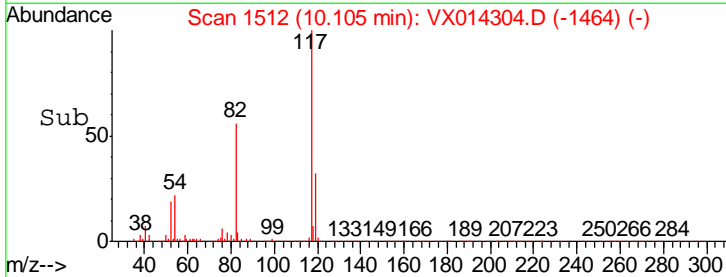
Instrument : MSVOA_X
 ClientSampled : VX1227WBS01



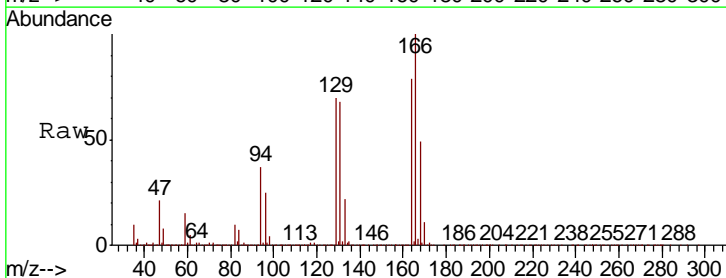
Tgt Ion: 117 Resp: 675604

Ion	Ratio	Lower	Upper
117	100		
82	56.2	42.2	63.4
119	32.2	25.1	37.7

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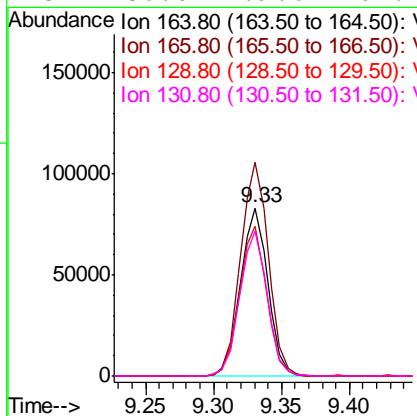
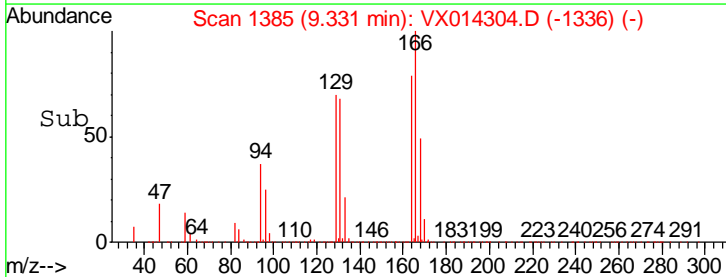


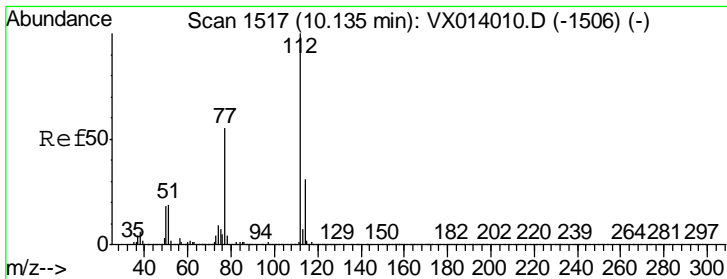
#64
 Tetrachloroethene
 Concen: 19.607 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15



Tgt Ion: 164 Resp: 117215

Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.0	156.0
129	88.8	72.2	108.4
131	86.0	69.6	104.4





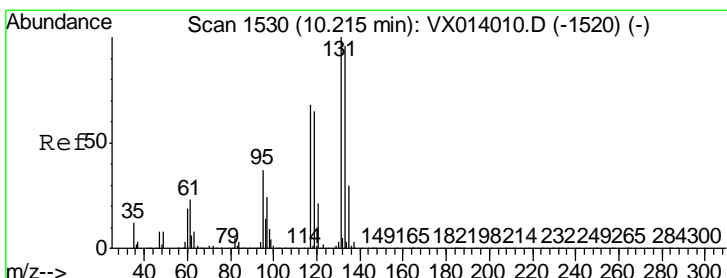
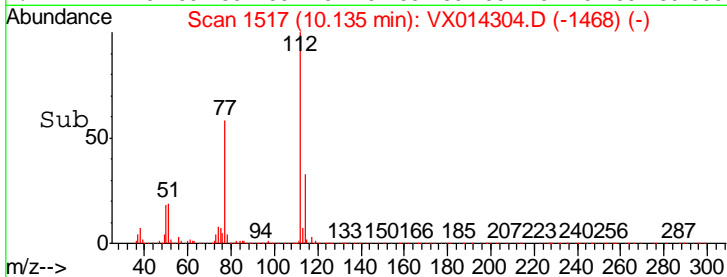
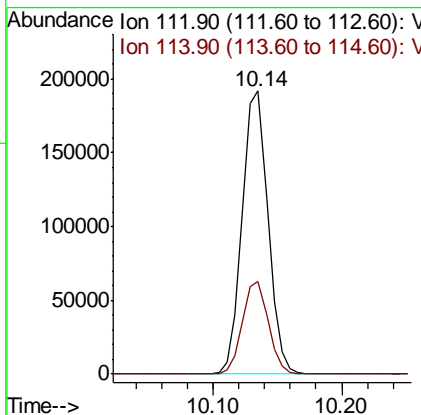
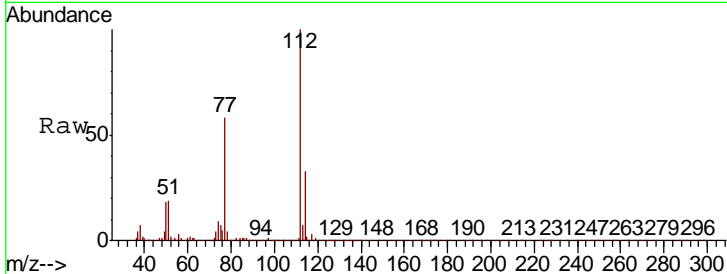
#65
 Chlorobenzene
 Concen: 18.471 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
112	265338		
114	32.5	24.9	37.3

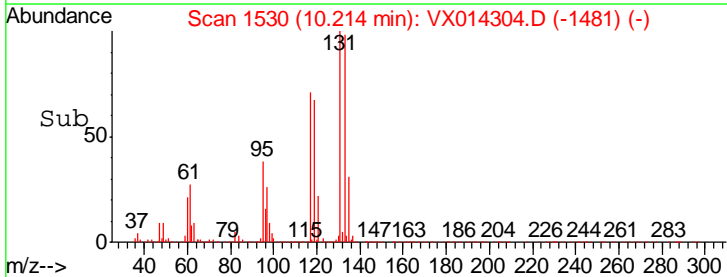
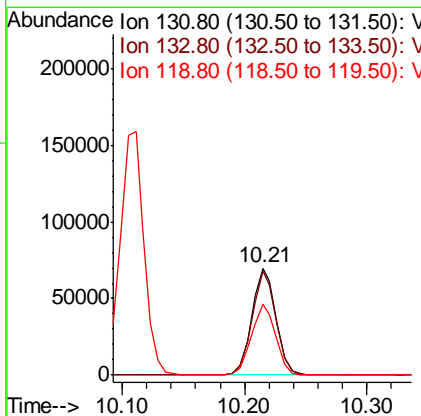
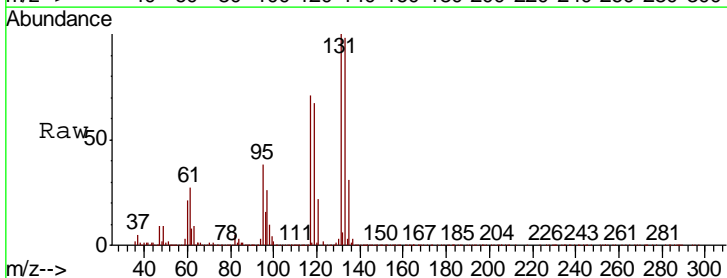
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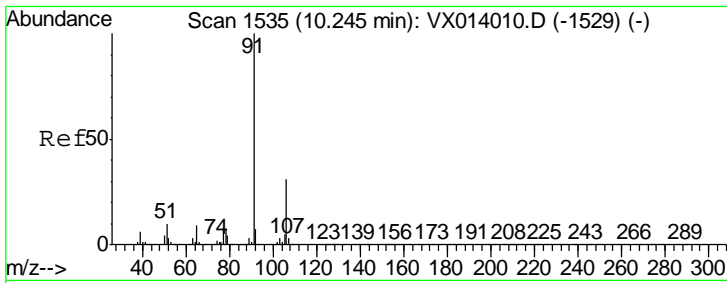
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 18.665 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
131	95733		
133	96.6	48.0	144.0
119	66.9	33.4	100.2



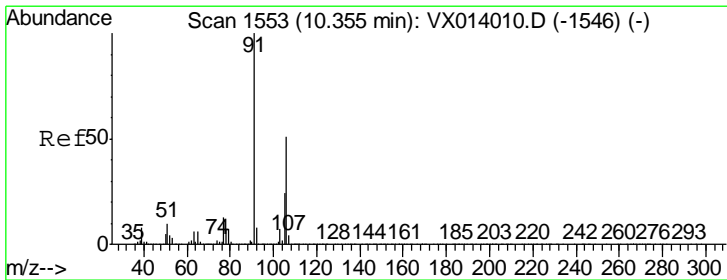
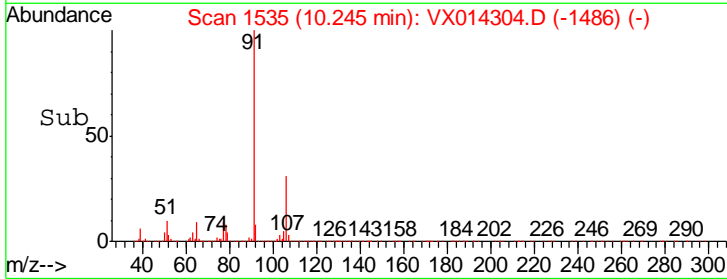
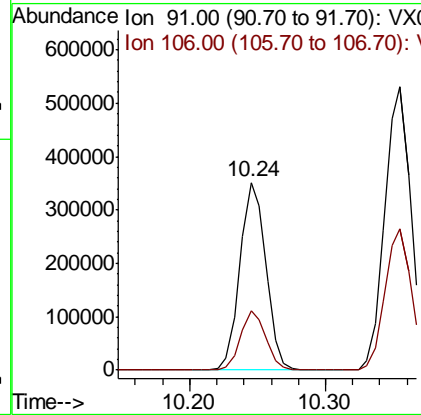
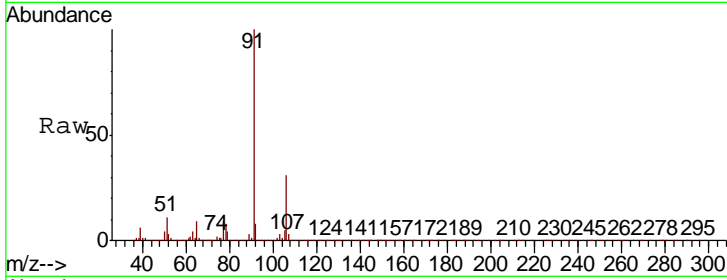


#67
 Ethyl Benzene
 Concen: 18.947 ug/l
 RT: 10.24 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

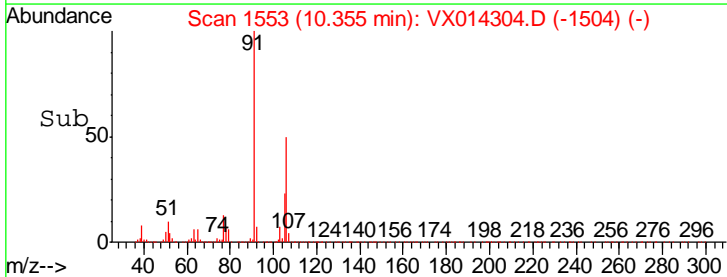
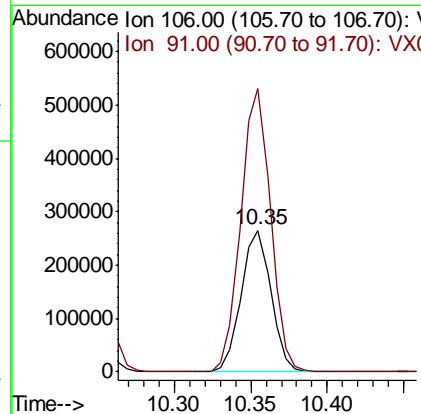
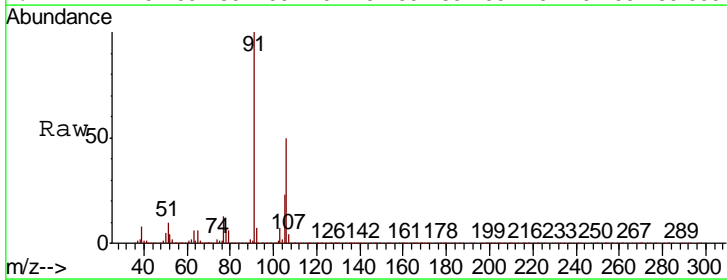
Tgt Ion	Resp	Lower	Upper
91	100		
106	31.4	25.0	37.6

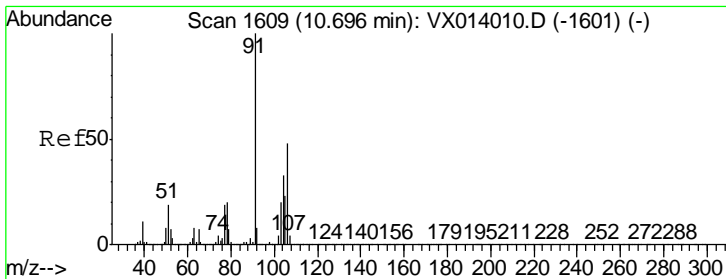
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#68
 m/p-Xylenes
 Concen: 37.753 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
106	100		
91	198.6	158.6	238.0





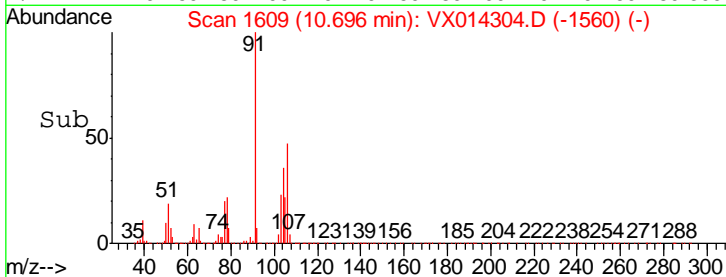
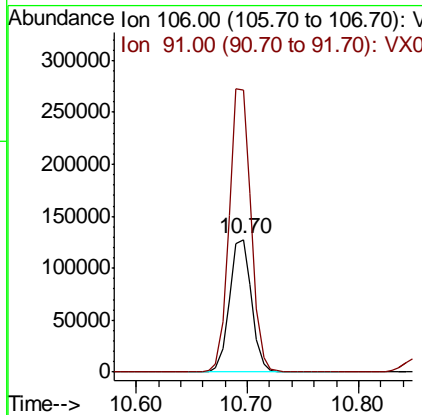
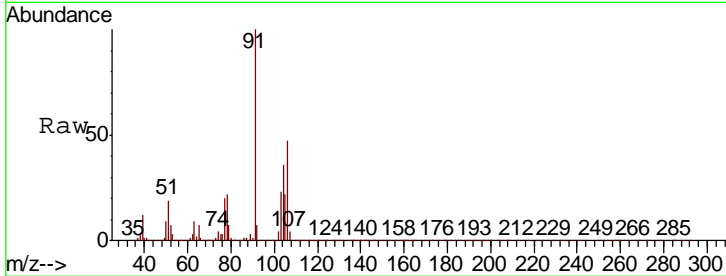
#69
 o-Xylene
 Concen: 18.560 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.1	104.2	312.6

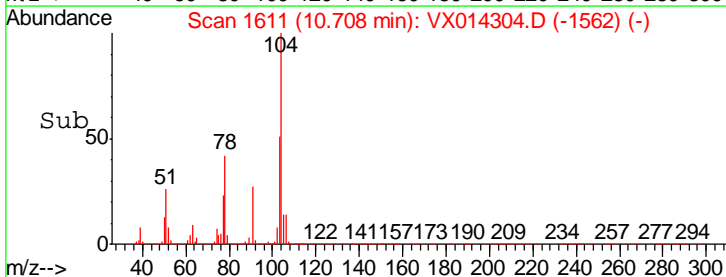
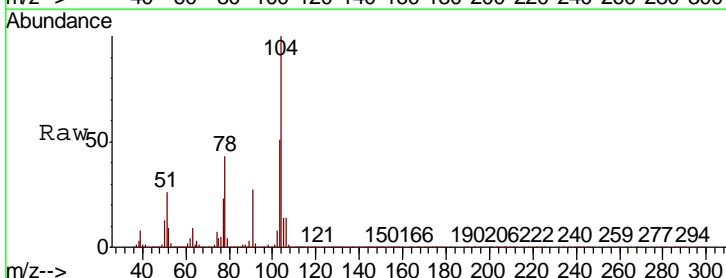
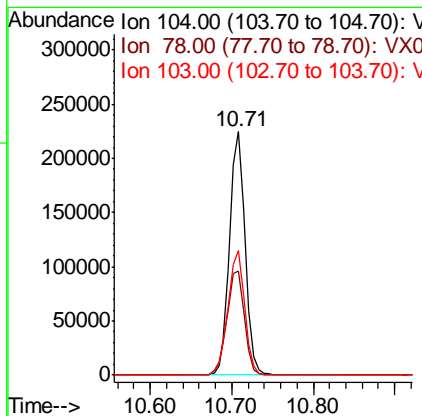
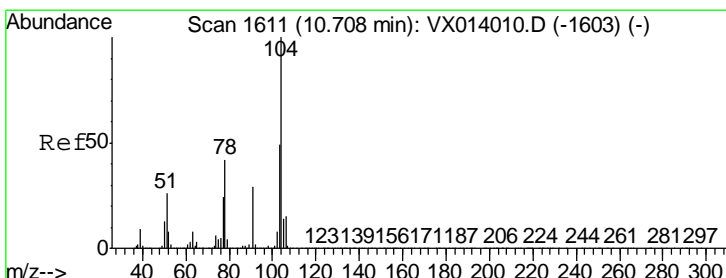
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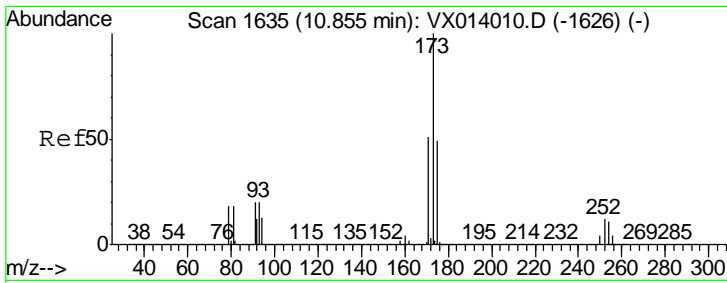
apatel
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#70
 Styrene
 Concen: 18.601 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.5	57.7
103	55.1	42.9	64.3





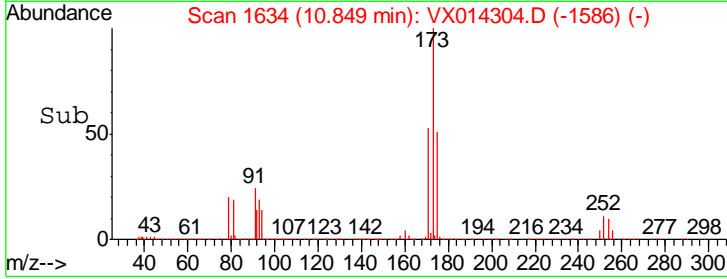
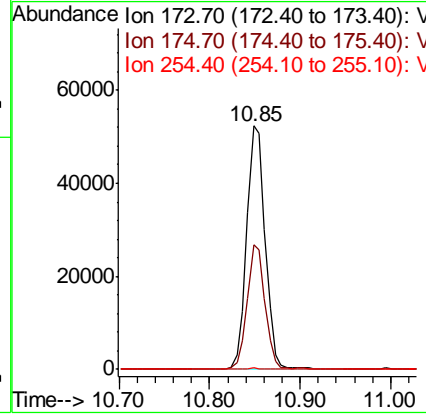
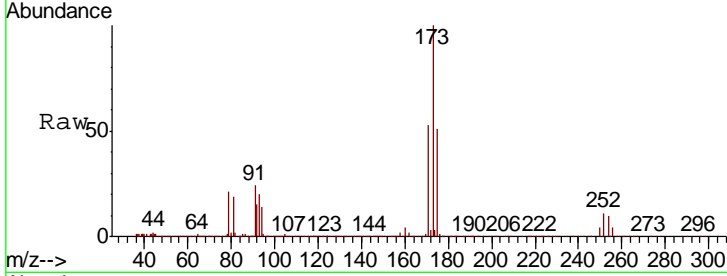
#71
 Bromoform
 Concen: 17.956 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
173	74032		
175	49.1	24.4	73.4
254	0.4	0.2	0.2

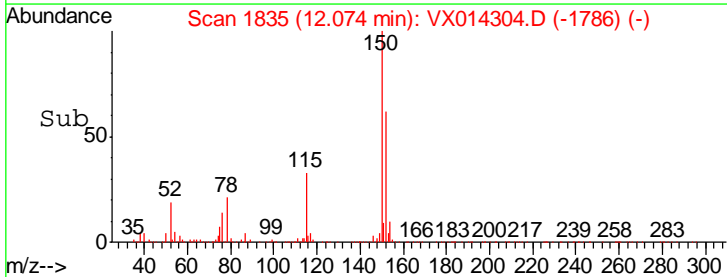
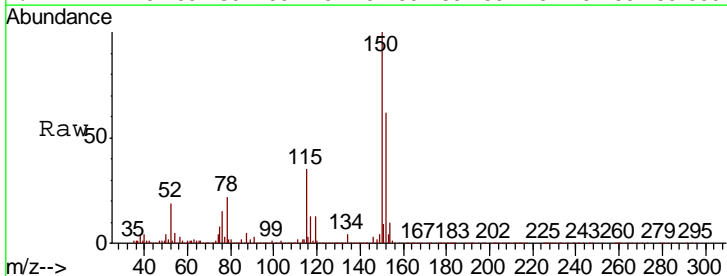
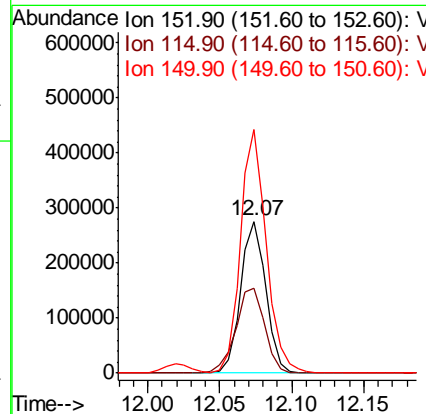
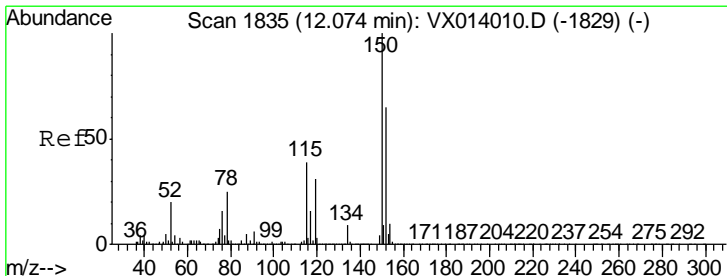
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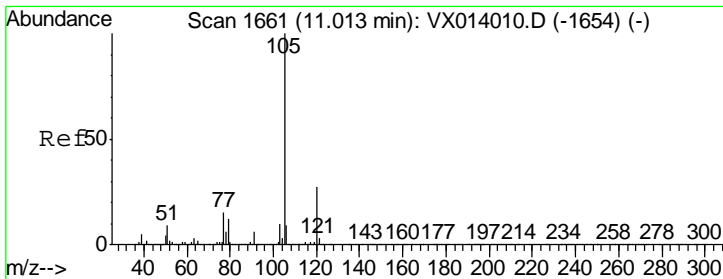
apatel
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
152	335091		
152	100		
115	64.4	38.3	114.9
150	164.4	0.0	345.4



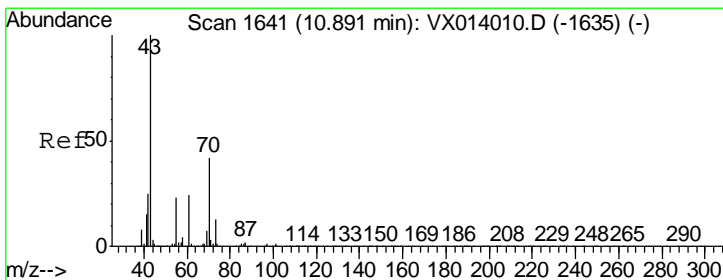
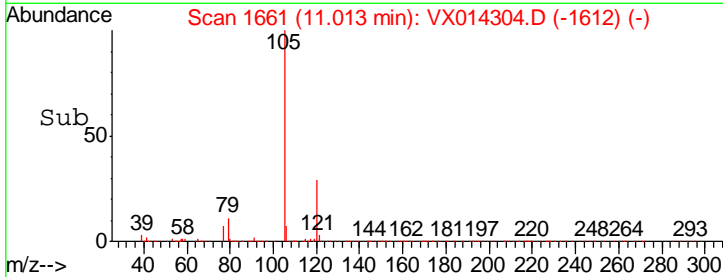
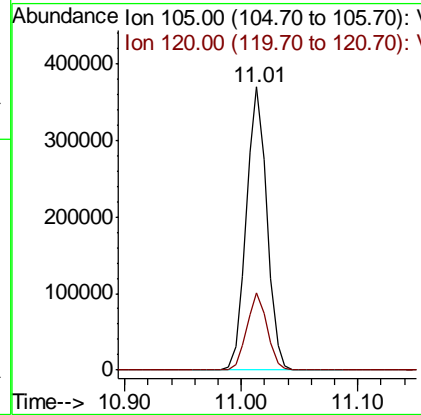
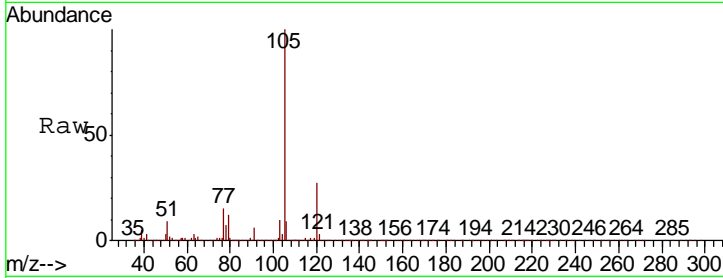


#73
 Isopropylbenzene
 Concen: 19.330 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 ClientSampled : VX1227WBS01

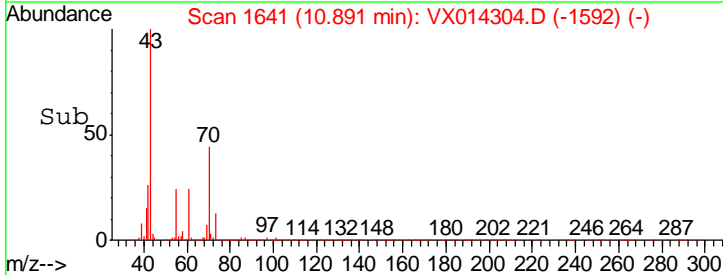
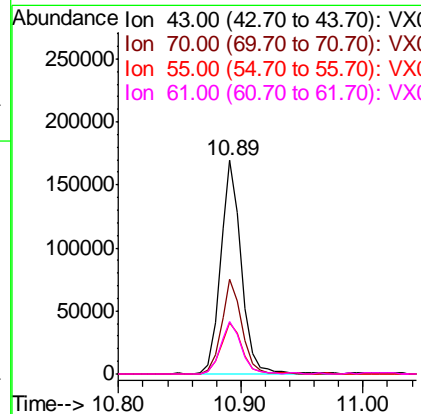
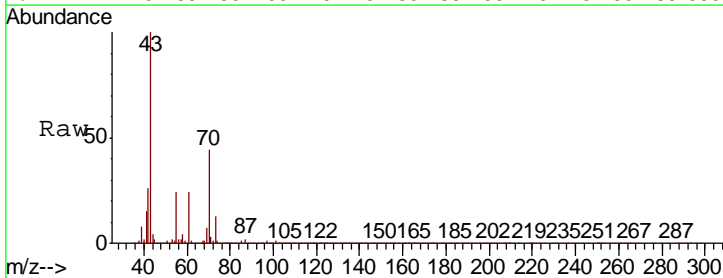
Tgt Ion	Resp	Lower	Upper
105	100		
120	27.3	13.5	40.4

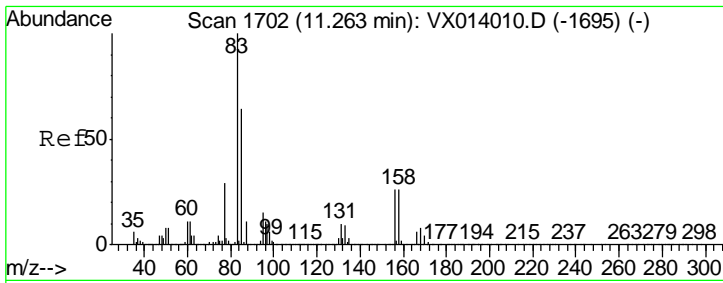
Manual Integrations
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#74
 N-ethyl acetate
 Concen: 18.104 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	24.4	19.1	28.7
61	24.3	19.7	29.5



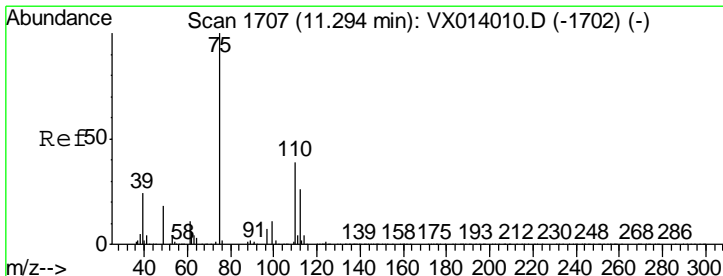
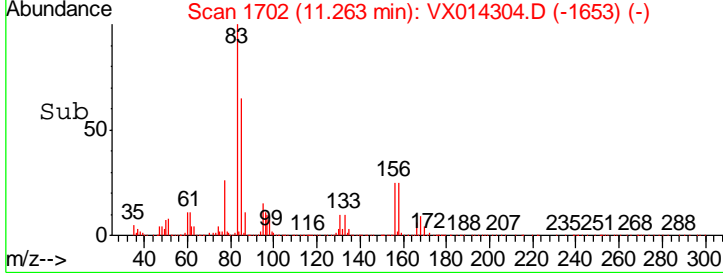
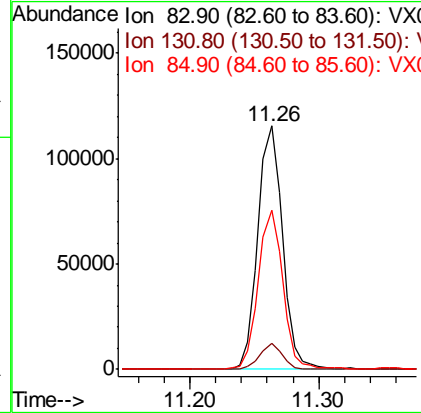
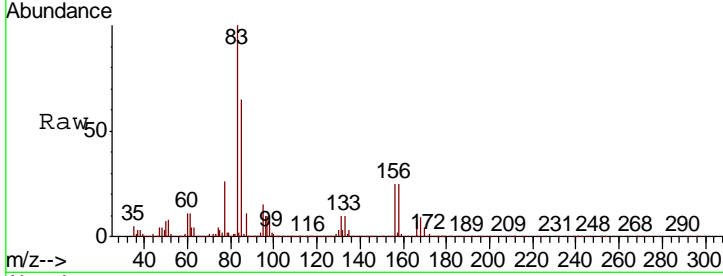


#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.570 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

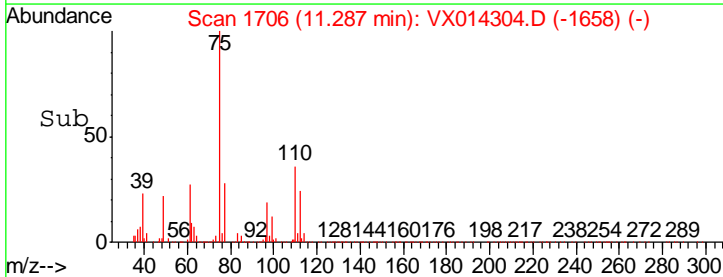
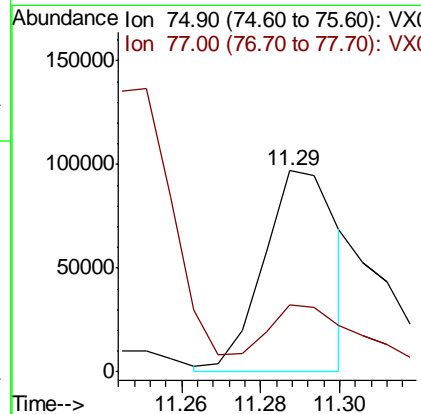
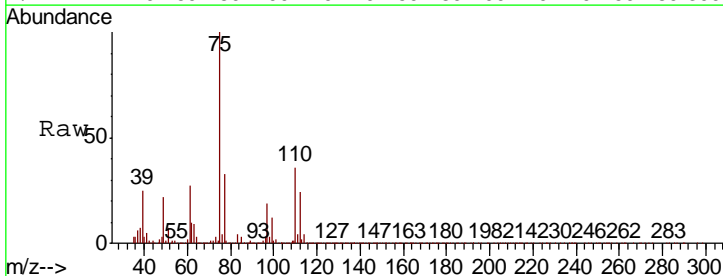
Tgt Ion	Resp	Lower	Upper
83	151896		
83	100		
131	9.9	5.1	15.2
85	65.2	31.9	95.7

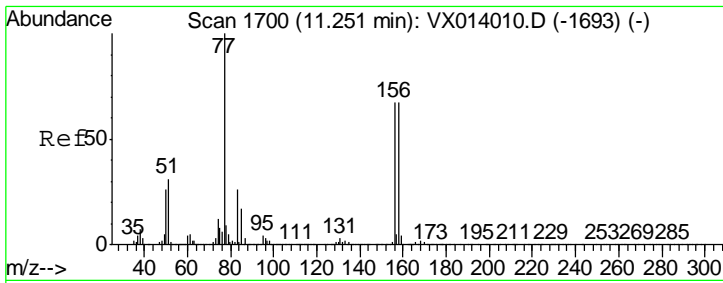
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#76
 1,2,3-Trichloropropane
 Concen: 17.249 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
75	125481		
75	100		
77	41.7	19.3	57.8



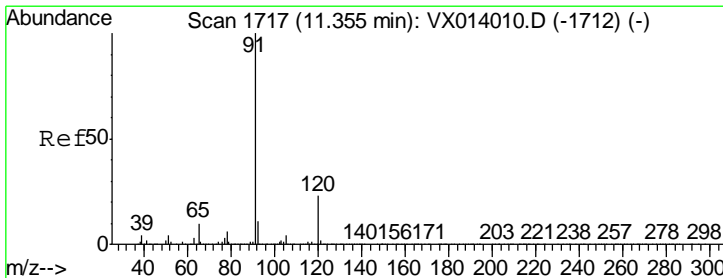
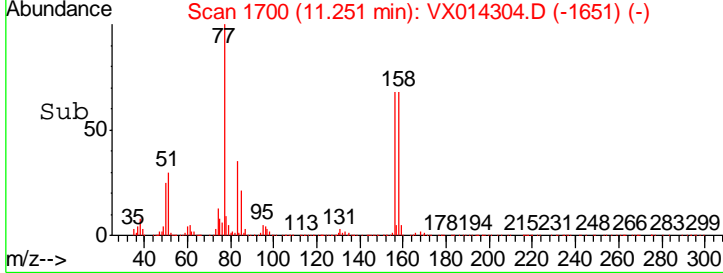
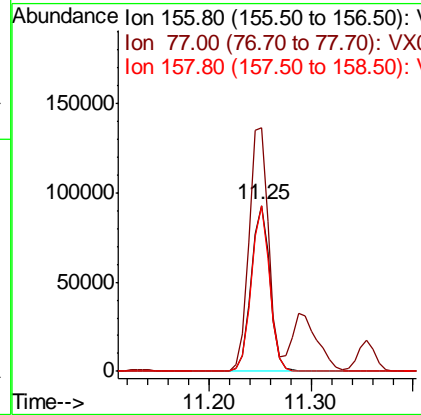
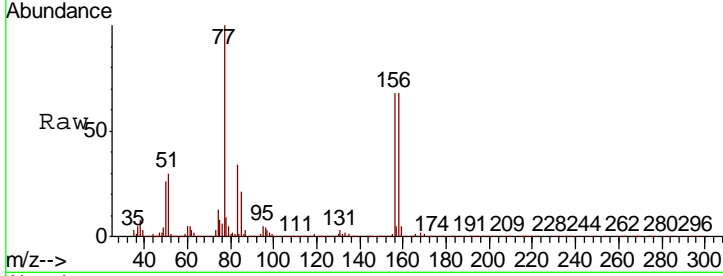


#77
 Bromobenzene
 Concen: 18.299 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

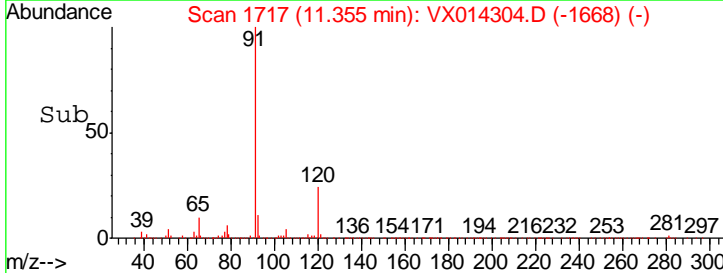
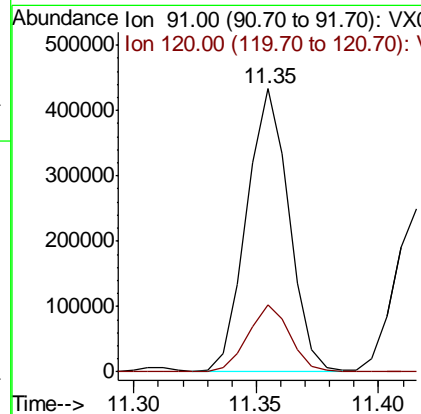
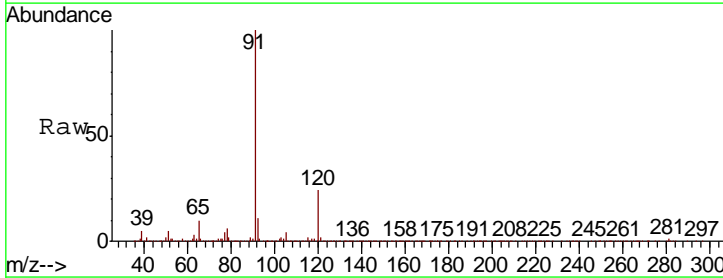
Tgt Ion	Resp	Lower	Upper
156	118787		
77	150.8	76.5	229.5
158	97.4	49.3	147.9

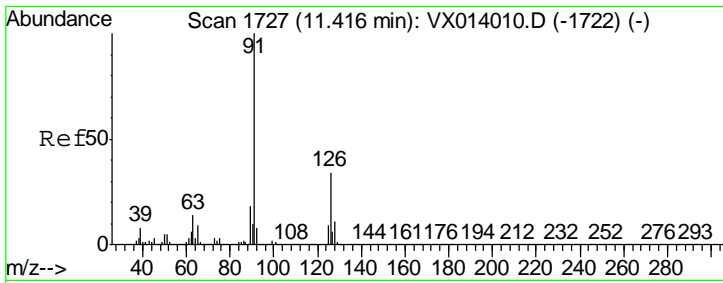
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#78
 n-propylbenzene
 Concen: 19.591 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
91	518456		
120	23.5	11.7	35.0



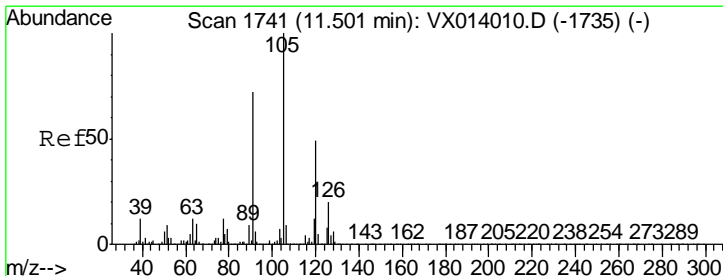
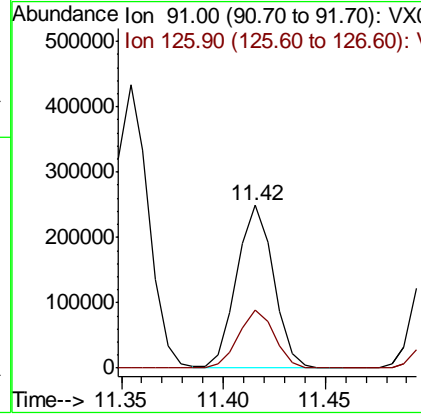
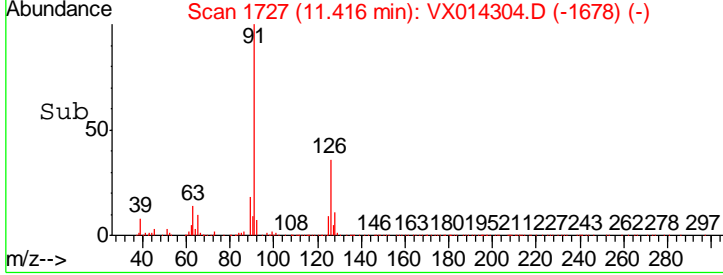
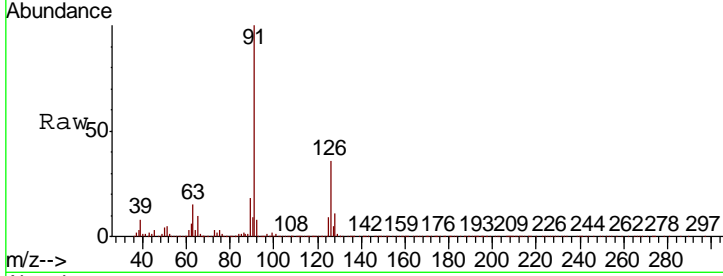


#79
 2-Chlorotoluene
 Concen: 19.244 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

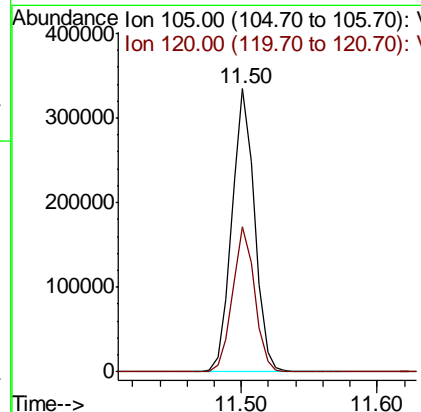
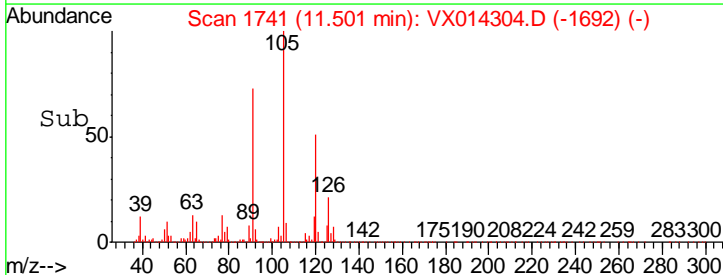
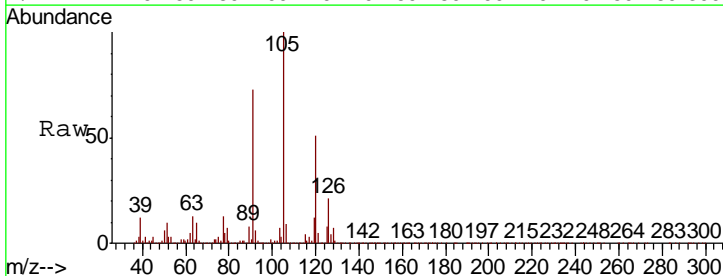
Tgt Ion	Resp	Lower	Upper
91	309572		
126	35.4	17.2	51.6

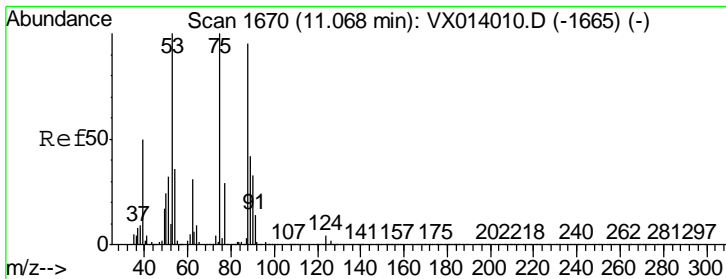
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.333 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
105	383872		
120	50.3	25.3	75.8





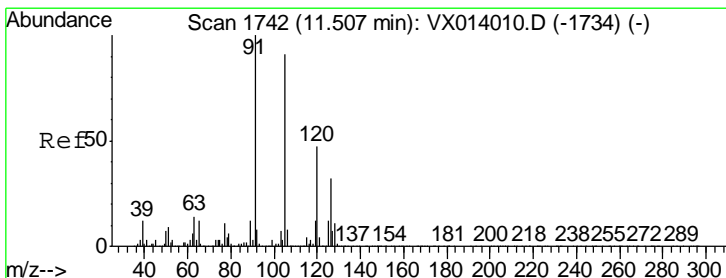
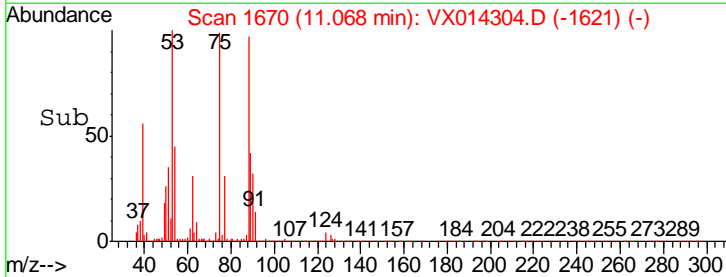
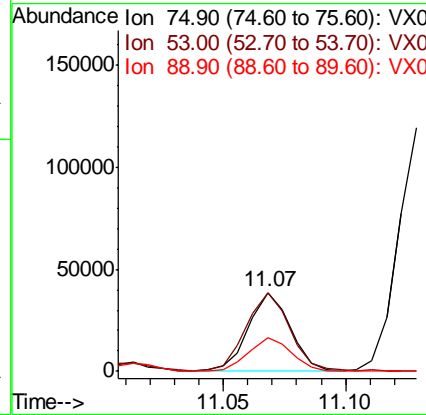
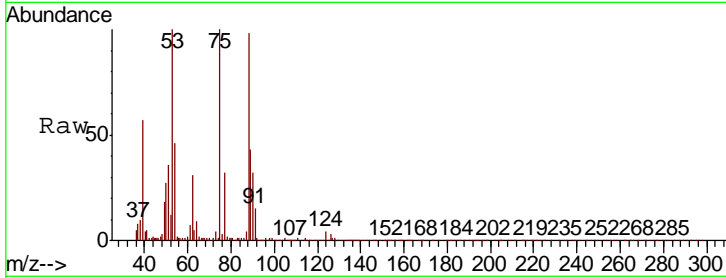
#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.734 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 ClientSampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
75	45707		
75	100		
53	105.4	76.7	115.1
89	45.7	34.6	51.8

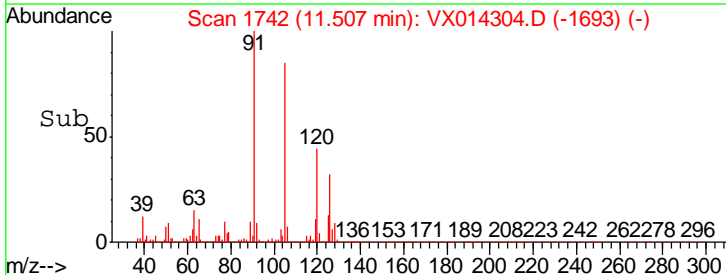
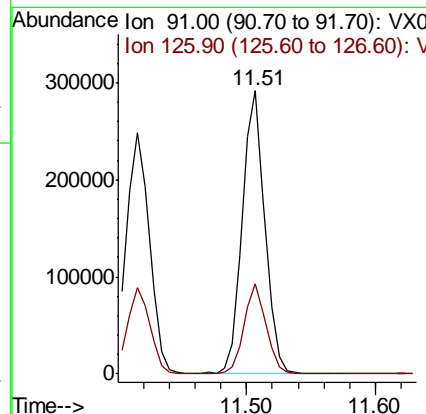
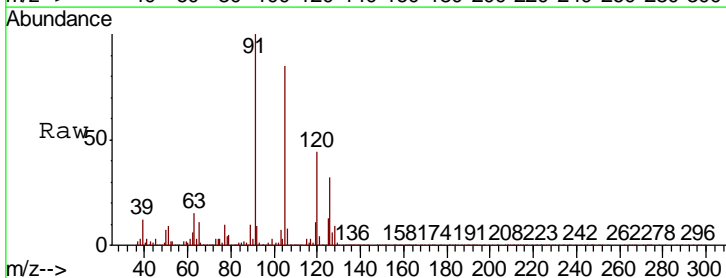
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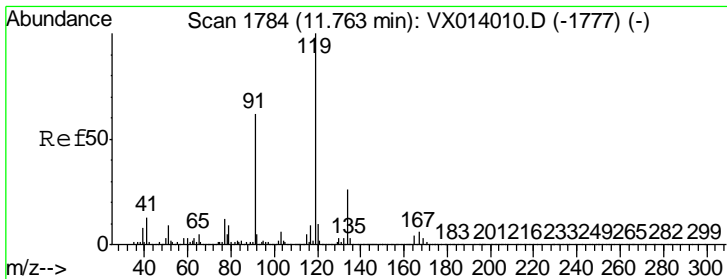
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#82
 4-Chlorotoluene
 Concen: 19.032 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
91	355142		
91	100		
126	30.6	15.6	46.8





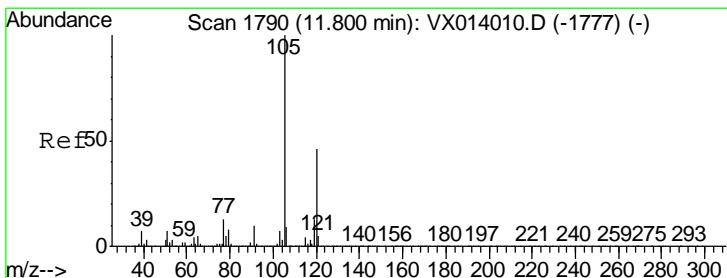
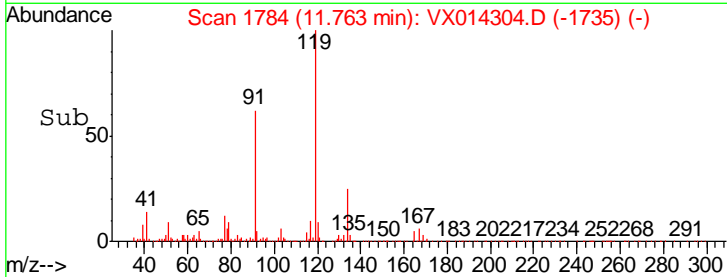
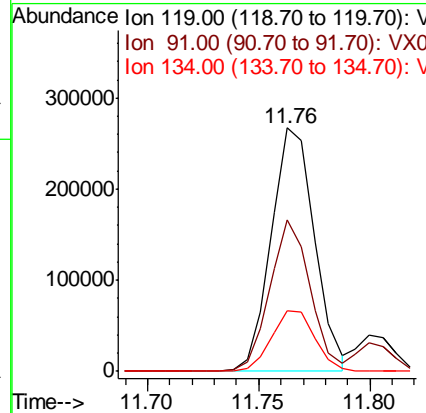
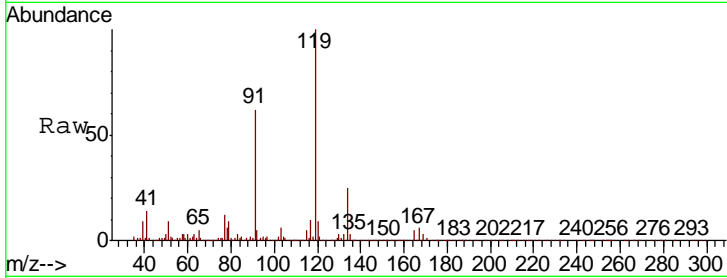
#83
 tert-Butylbenzene
 Concen: 18.640 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
119	360175		
91	57.8	28.5	85.6
134	24.7	12.2	36.6

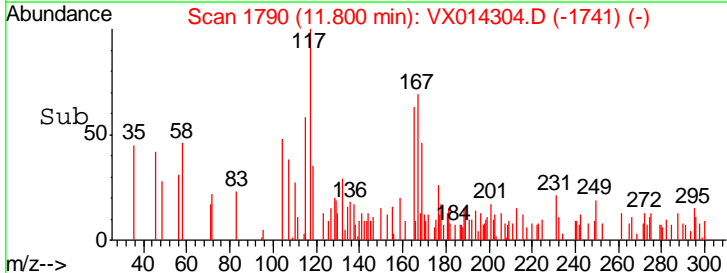
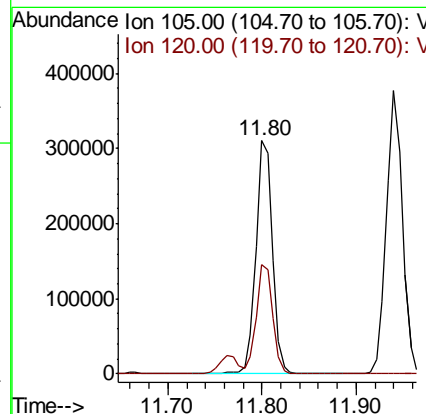
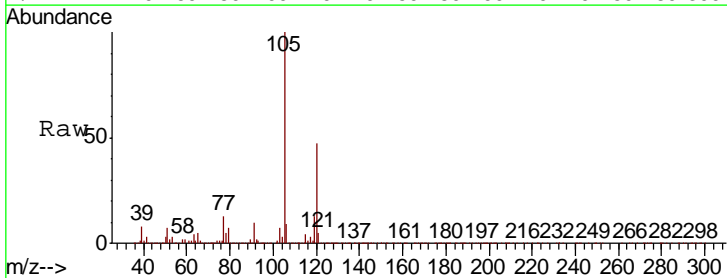
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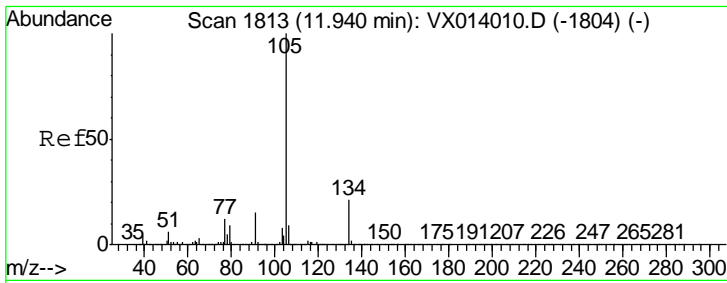
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.346 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
105	384678		
120	46.0	23.1	69.2



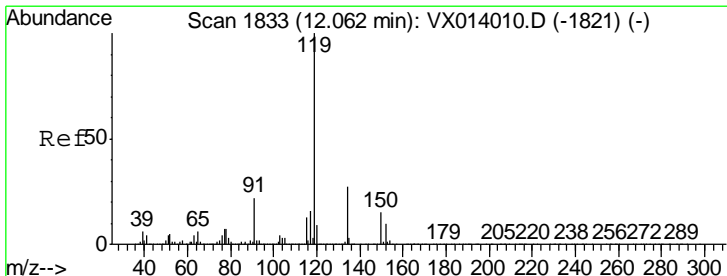
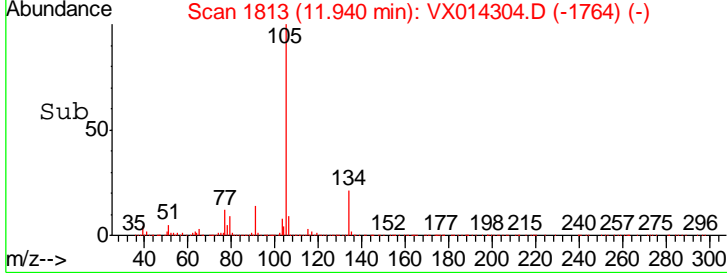
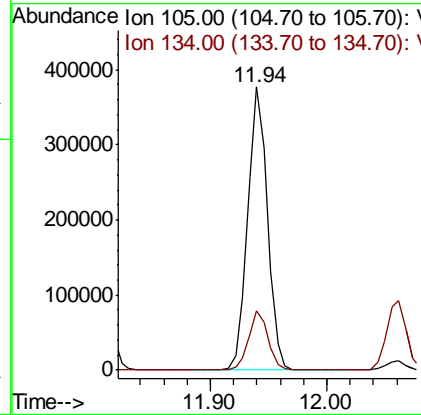
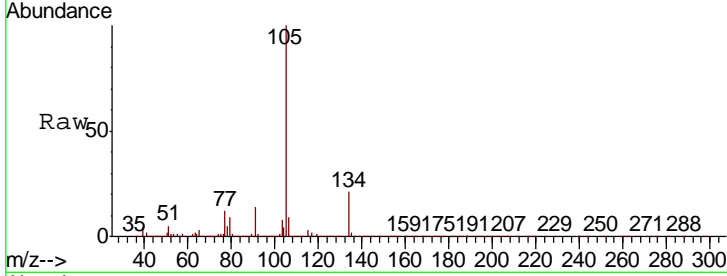


#85
 sec-Butylbenzene
 Concen: 19.644 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

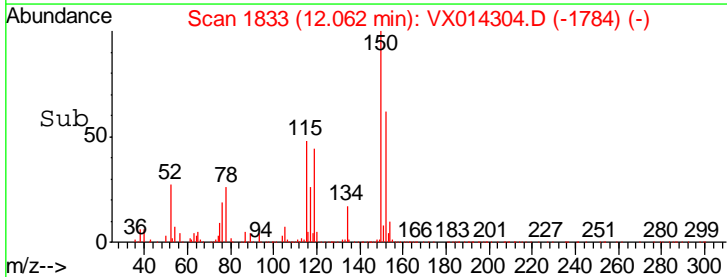
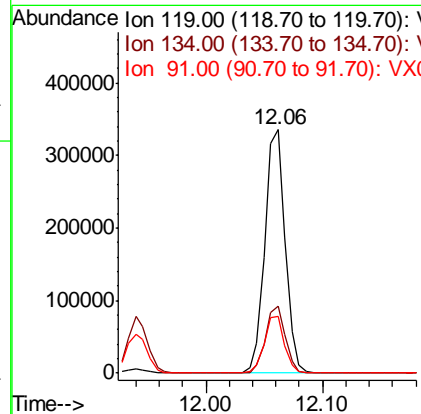
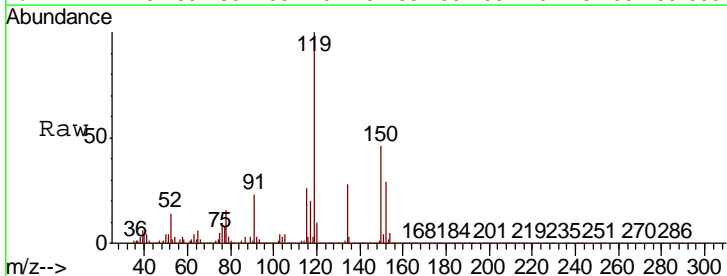
Tgt Ion	Resp	Lower	Upper
105	448109		
105	100		
134	20.6	10.4	31.1

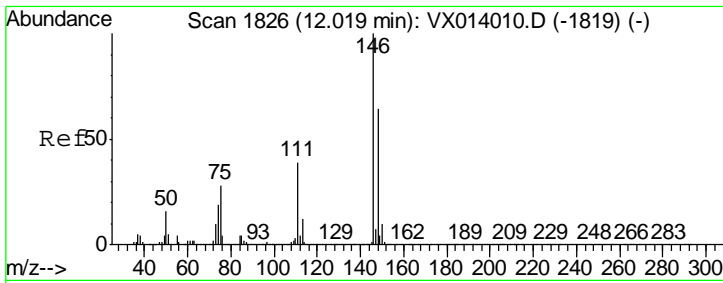
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#86
 p-Isopropyltoluene
 Concen: 19.607 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

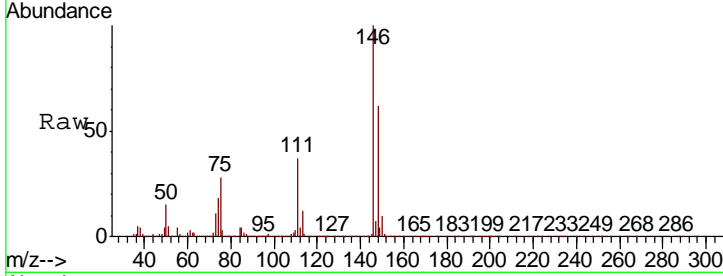
Tgt Ion	Resp	Lower	Upper
119	409125		
119	100		
134	27.0	13.4	40.1
91	23.3	11.4	34.1





#87
 1,3-Dichlorobenzene
 Concen: 18.549 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

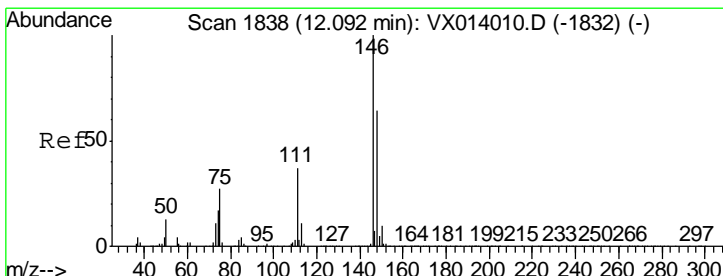
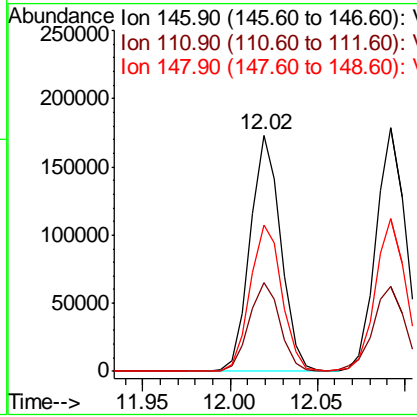
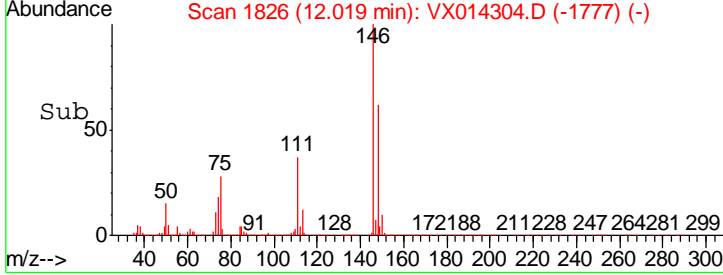
Instrument : MSVOA_X
 Client Sampled : VX1227WBS01



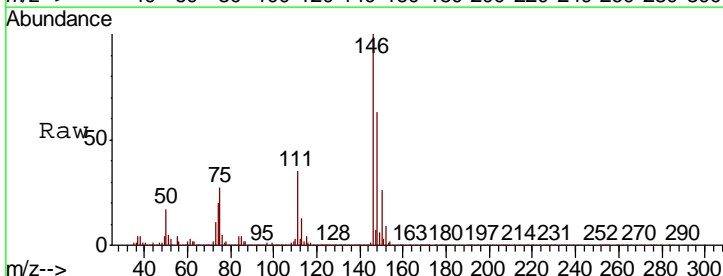
Tgt Ion: 146 Resp: 211028

Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	64.0	32.3	96.9

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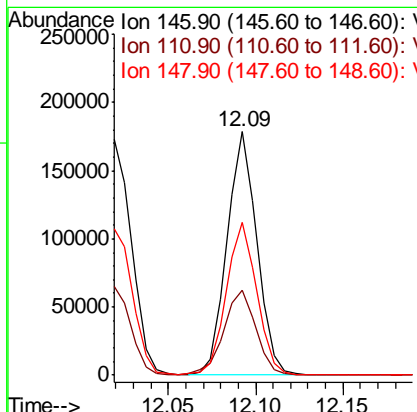
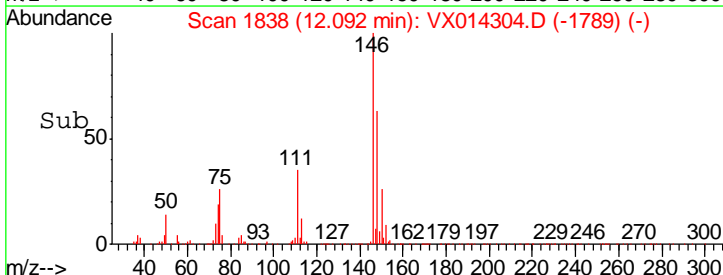


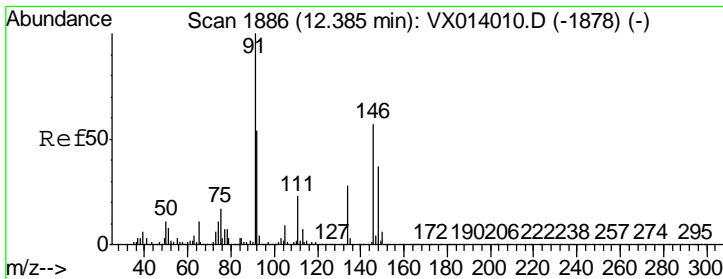
#88
 1,4-Dichlorobenzene
 Concen: 18.336 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15



Tgt Ion: 146 Resp: 212106

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	63.8	31.9	95.9



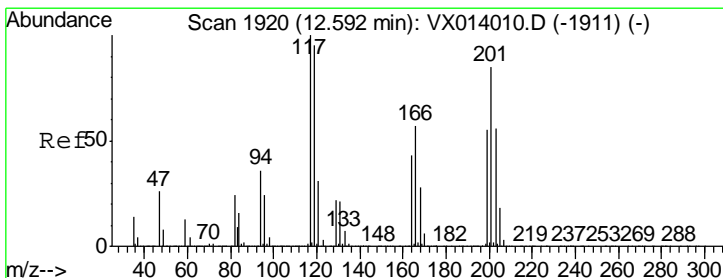
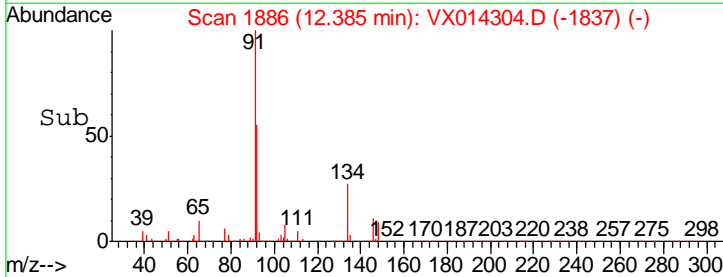
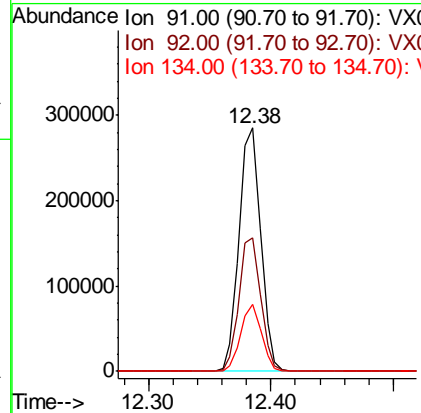
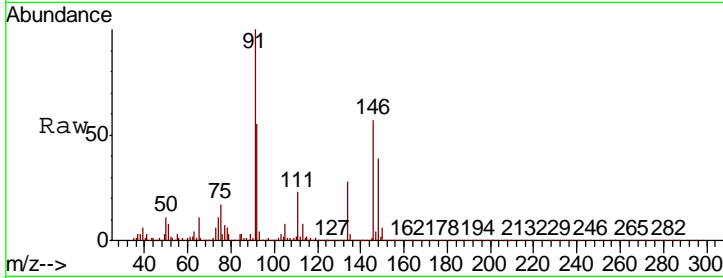


#89
 n-Butylbenzene
 Concen: 19.547 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

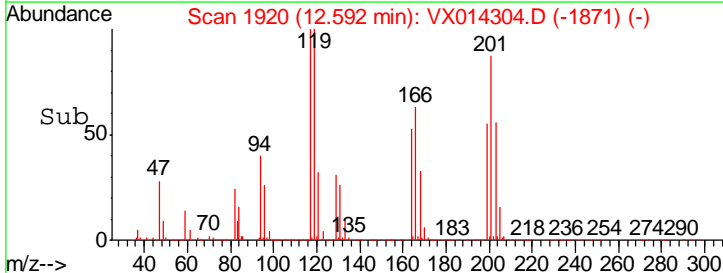
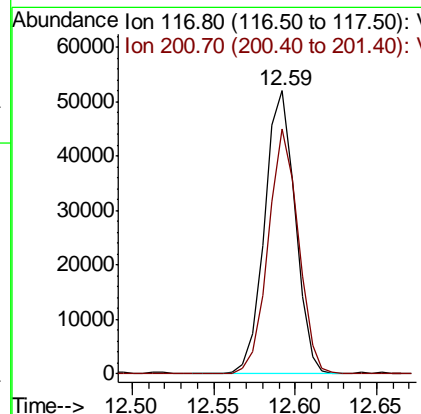
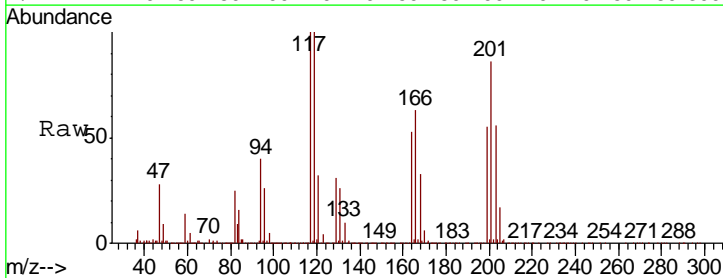
Tgt Ion	Resp	Lower	Upper
91	100		
92	54.7	27.2	81.6
134	26.4	13.4	40.1

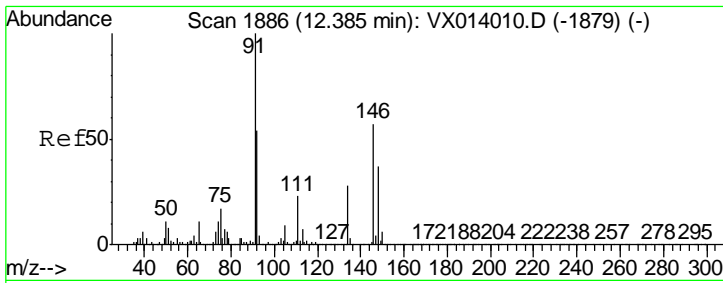
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#90
 Hexachloroethane
 Concen: 17.971 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
117	100		
201	85.2	43.1	129.3





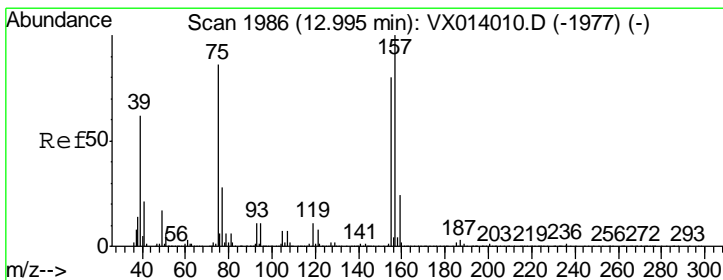
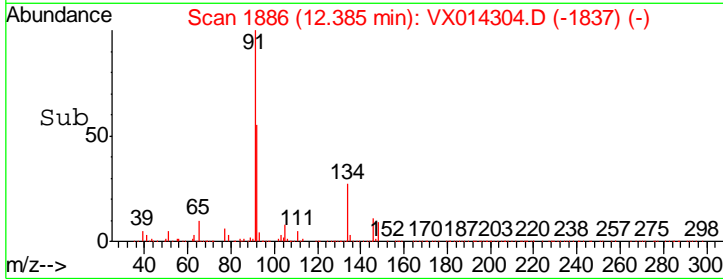
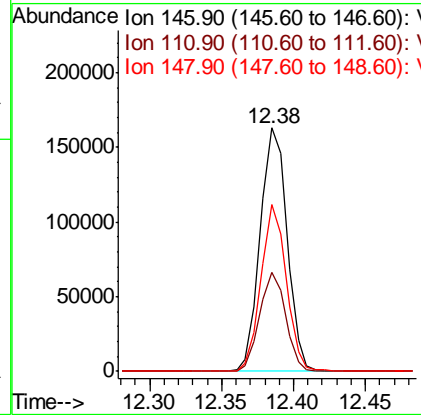
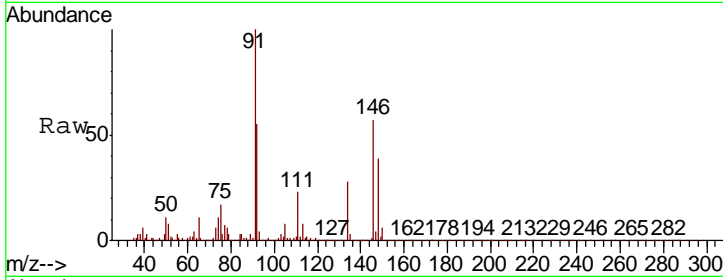
#91
 1,2-Dichlorobenzene
 Concen: 18.216 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

Tgt Ion	Resp	Lower	Upper
146	208618		
146	100		
111	39.5	19.7	59.1
148	64.8	32.1	96.5

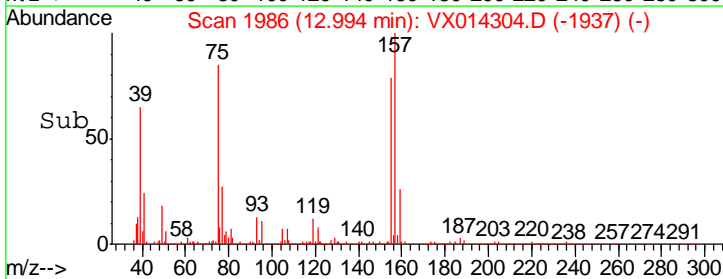
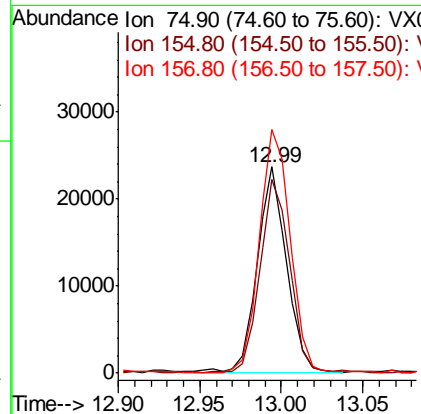
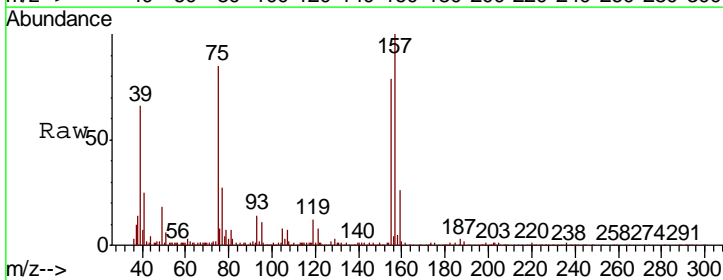
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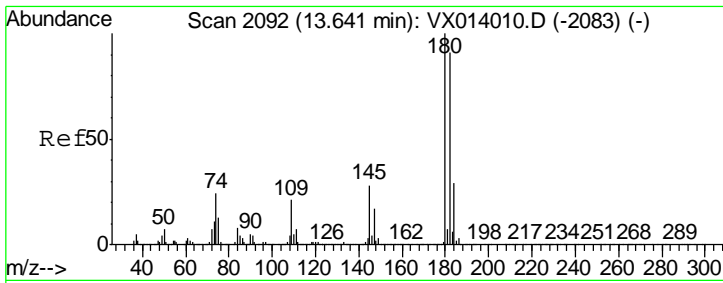
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.188 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

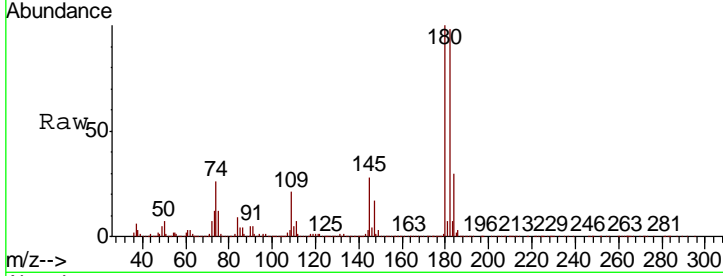
Tgt Ion	Resp	Lower	Upper
75	29301		
75	100		
155	97.1	46.9	140.6
157	126.3	60.8	182.4





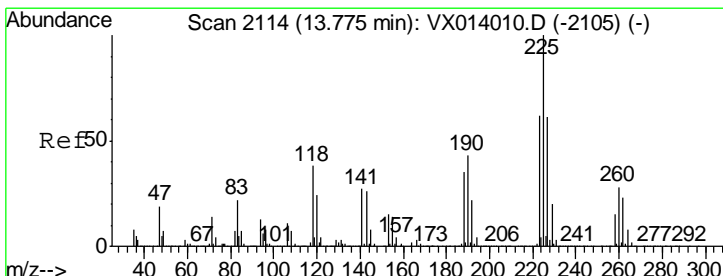
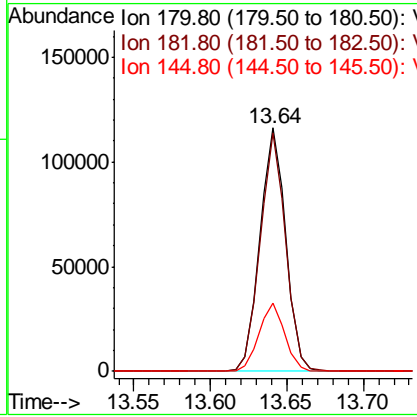
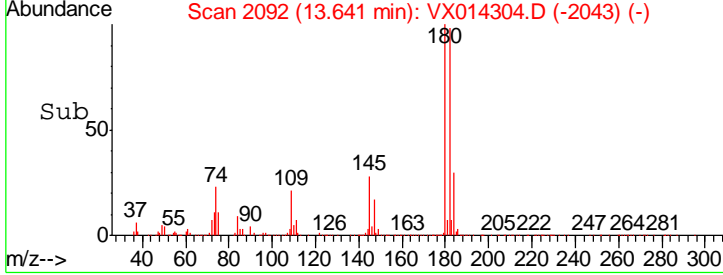
#93
 1,2,4-Trichlorobenzene
 Concen: 18.401 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

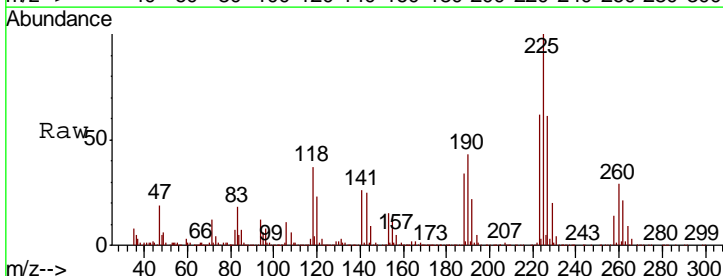


Tgt Ion	Resp	Lower	Upper
180	100		
182	97.1	46.6	139.8
145	28.2	14.2	42.6

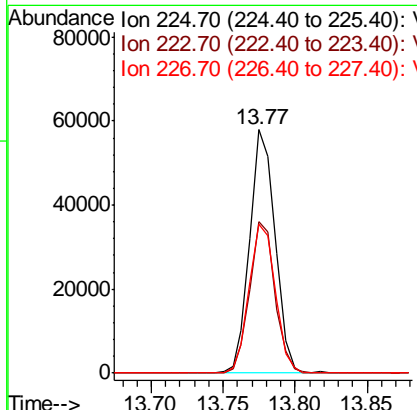
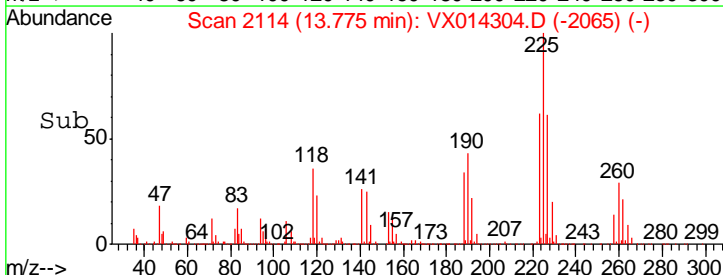
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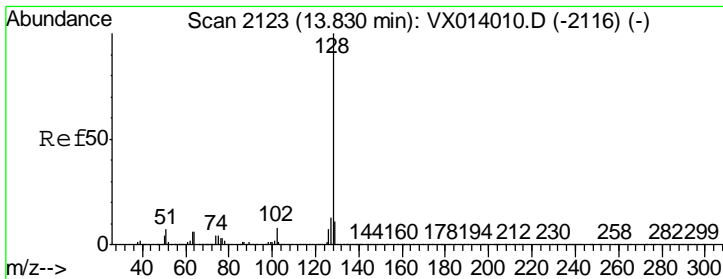


#94
 Hexachlorobutadiene
 Concen: 19.666 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15



Tgt Ion	Resp	Lower	Upper
225	100		
223	62.5	30.9	92.5
227	63.1	30.9	92.7



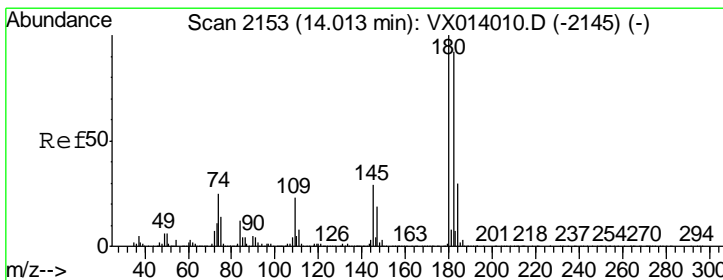
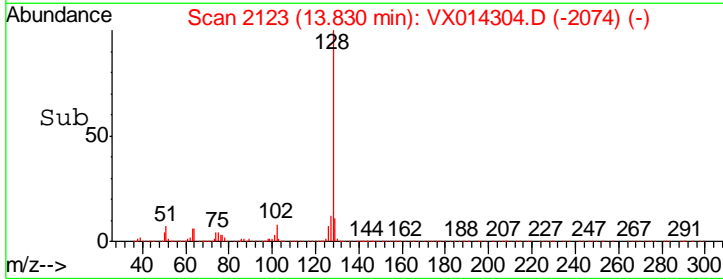
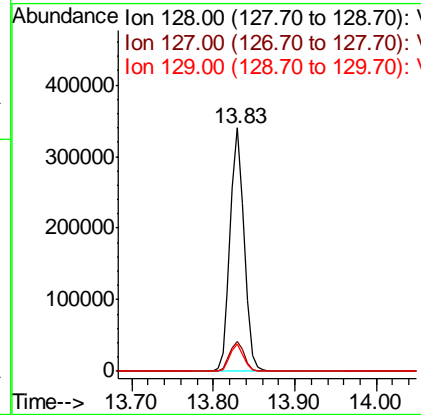
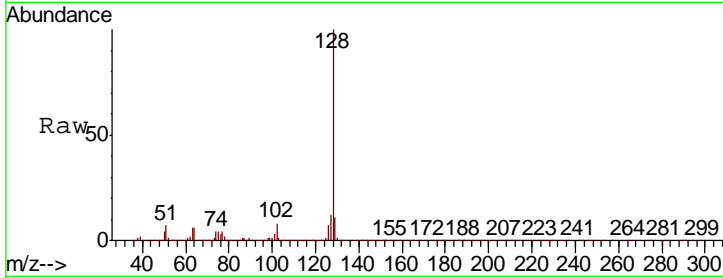


#95
 Naphthalene
 Concen: 18.516 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Instrument : MSVOA_X
 Client Sampled : VX1227WBS01

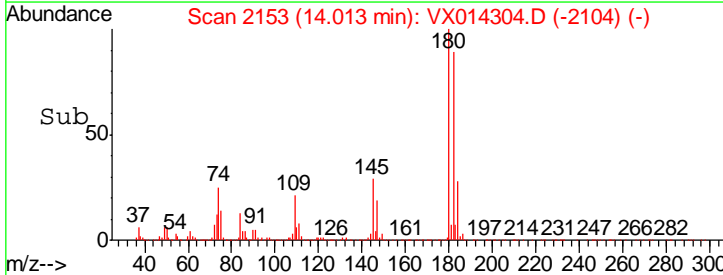
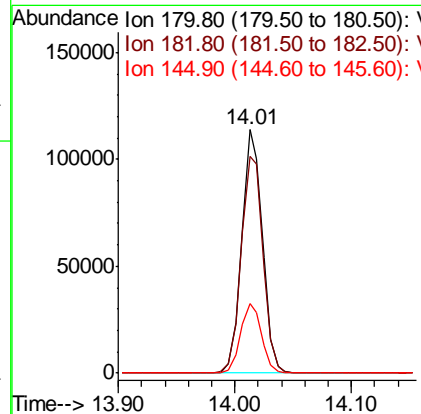
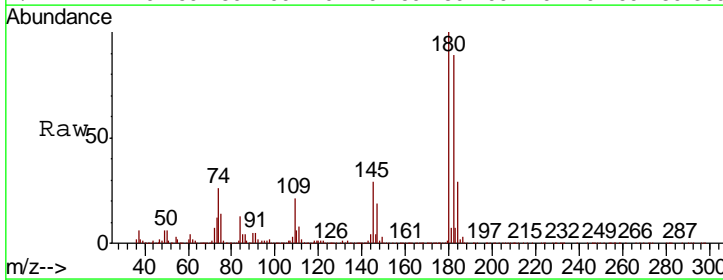
Tgt Ion	Resp	Lower	Upper
128	404936		
127	12.8	10.2	15.4
129	10.8	8.7	13.1

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#96
 1,2,3-Trichlorobenzene
 Concen: 19.157 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX014304.D
 Acq: 27 Dec 2019 13:15

Tgt Ion	Resp	Lower	Upper
180	140764		
182	94.4	46.8	140.3
145	29.6	14.8	44.4





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	996-MW-15-(17)MS	SDG No.:	K6405
Lab Sample ID:	K6405-07MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014255.D	1		12/24/19 19:08	VX122419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	49.6		0.12	1.00	ug/L
591-78-6	2-Hexanone	240		1.40	5.00	ug/L
124-48-1	Dibromochloromethane	51.7		0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	50.5		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	45.7		0.15	1.00	ug/L
108-90-7	Chlorobenzene	48.8		0.080	1.00	ug/L
100-41-4	Ethyl Benzene	49.5		0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	97.1		0.20	2.00	ug/L
95-47-6	o-Xylene	49.2		0.13	1.00	ug/L
100-42-5	Styrene	49.3		0.11	1.00	ug/L
75-25-2	Bromoform	51.4		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	51.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	51.3		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	47.4		0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	46.4		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	48.0		0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	48.2		0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.3		0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	48.8		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		61 - 141	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		69 - 133	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		65 - 126	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		58 - 135	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	483000	5.65			
540-36-3	1,4-Difluorobenzene	766000	6.85			
3114-55-4	Chlorobenzene-d5	689000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	338000	12.07			

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014255.D
 Acq On : 24 Dec 2019 19:08
 Operator : JC/SP
 Sample : K6405-07MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 996-MW-15-(17)MS

Manual Integrations
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Quant Time: Dec 25 08:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	483179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	766167	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	688774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	280790	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	5.49	113	234066	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	8.71	98	891333	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	11.13	95	320373	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	187074	43.277	ug/l	100
3) Chloromethane	1.32	50	271677	46.832	ug/l	99
4) Vinyl Chloride	1.40	62	292601	47.801	ug/l	100
5) Bromomethane	1.63	94	193558	44.552	ug/l	97
6) Chloroethane	1.71	64	186683	49.414	ug/l	95
7) Trichlorofluoromethane	1.92	101	370202	48.856	ug/l	100
8) Diethyl Ether	2.18	74	173065	48.665	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	218662	47.872	ug/l	100
10) Methyl Iodide	2.50	142	294429	48.937	ug/l	99
11) Tert butyl alcohol	3.03	59	322593	272.628	ug/l	97
12) 1,1-Dichloroethene	2.36	96	225563	48.530	ug/l	97
13) Acrolein	2.28	56	174487	257.605	ug/l	97
14) Allyl chloride	2.72	41	422296	50.887	ug/l	98
15) Acrylonitrile	3.13	53	740569	268.143	ug/l	99
16) Acetone	2.43	43	624345	175.614	ug/l	100
17) Carbon Disulfide	2.56	76	574910	44.637	ug/l	100
18) Methyl Acetate	2.76	43	345747	49.078	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	793008	51.922	ug/l	100
20) Methylene Chloride	2.85	84	269435	48.126	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	247689	48.372	ug/l	100
22) Diisopropyl ether	3.84	45	879447	53.180	ug/l	95
23) Vinyl Acetate	3.80	43	3452711	255.847	ug/l	100
24) 1,1-Dichloroethane	3.69	63	464903	50.530	ug/l	99
25) 2-Butanone	4.66	43	1027224	234.357	ug/l	99
26) 2,2-Dichloropropane	4.57	77	317347	44.425	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	292450	50.500	ug/l	98
28) Bromochloromethane	5.00	49	197549	55.777	ug/l	96
29) Tetrahydrofuran	5.11	42	672622	274.359	ug/l	99
30) Chloroform	5.20	83	454475	52.107	ug/l	99
31) Cyclohexane	5.57	56	403735	49.338	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	375318	50.490	ug/l	100
36) 1,1-Dichloropropene	5.79	75	334424	47.571	ug/l	99
37) Ethyl Acetate	4.82	43	374931	48.296	ug/l	99
38) Carbon Tetrachloride	5.78	117	317402	49.561	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014255.D
 Acq On : 24 Dec 2019 19:08
 Operator : JC/SP
 Sample : K6405-07MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 996-MW-15-(17)MS

Manual Integrations
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 12/26/2019 9:24:46 AM

Quant Time: Dec 25 08:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	390438	44.979	ug/l	100
40) Benzene	6.14	78	1062137	49.104	ug/l	100
41) Methacrylonitrile	5.03	41	228128	52.962	ug/l	96
42) 1,2-Dichloroethane	6.18	62	362803	49.481	ug/l	99
43) Isopropyl Acetate	6.43	43	630782	49.098	ug/l	100
44) Trichloroethene	7.21	130	282565	47.295	ug/l	98
45) 1,2-Dichloropropane	7.51	63	279759	50.461	ug/l	98
46) Dibromomethane	7.65	93	175821	47.967	ug/l	99
47) Bromodichloromethane	7.89	83	347181	50.291	ug/l	99
48) Methyl methacrylate	7.76	41	324850	51.636	ug/l	99
49) 1,4-Dioxane	7.73	88	133805	1045.142	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2087817	258.761	ug/l	99
52) Toluene	8.78	92	658593	48.171	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	379547	50.141	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	420700	49.887	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	272040	49.646	ug/l	99
56) Ethyl methacrylate	9.17	69	443164	51.486	ug/l	99
57) 1,3-Dichloropropane	9.37	76	464151	50.345	ug/l	100
59) 2-Hexanone	9.48	43	1579226	243.139	ug/l	99
60) Dibromochloromethane	9.57	129	281823	51.741	ug/l	99
61) 1,2-Dibromoethane	9.67	107	283060	50.488	ug/l	100
64) Tetrachloroethene	9.33	164	278501	45.695	ug/l	99
65) Chlorobenzene	10.14	112	714869	48.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	263509	50.393	ug/l	99
67) Ethyl Benzene	10.25	91	1245344	49.461	ug/l	100
68) m/p-Xylenes	10.36	106	940021	97.071	ug/l	99
69) o-Xylene	10.70	106	467452	49.218	ug/l	99
70) Styrene	10.71	104	791013	49.253	ug/l	99
71) Bromoform	10.85	173	216196	51.435	ug/l	100
73) Isopropylbenzene	11.01	105	1214432	50.960	ug/l	100
74) N-amyl acetate	10.89	43	536115	47.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	423668	51.279	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	339868m	46.252	ug/l	
77) Bromobenzene	11.25	156	318233	48.535	ug/l	99
78) n-propylbenzene	11.35	91	1356585	50.750	ug/l	100
79) 2-Chlorotoluene	11.42	91	810748	49.895	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	999311	49.825	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	131228	50.406	ug/l	97
82) 4-Chlorotoluene	11.51	91	930870	49.387	ug/l	98
83) tert-Butylbenzene	11.76	119	1003325	51.404	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1019870	50.777	ug/l	100
85) sec-Butylbenzene	11.94	105	1162400	50.447	ug/l	99
86) p-Isopropyltoluene	12.06	119	1055684	50.087	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	544333	47.368	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	542101	46.394	ug/l	100
89) n-Butylbenzene	12.39	91	890234	49.500	ug/l	100
90) Hexachloroethane	12.59	117	191572	50.603	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	555817	48.047	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	88076	48.172	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	355740	47.314	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014255.D
 Acq On : 24 Dec 2019 19:08
 Operator : JC/SP
 Sample : K6405-07MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 996-MW-15-(17)MS

Manual Integrations
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Quant Time: Dec 25 08:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	165352	45.759	ug/l	96
95) Naphthalene	13.83	128	1104462	49.997	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	362558	48.848	ug/l	98

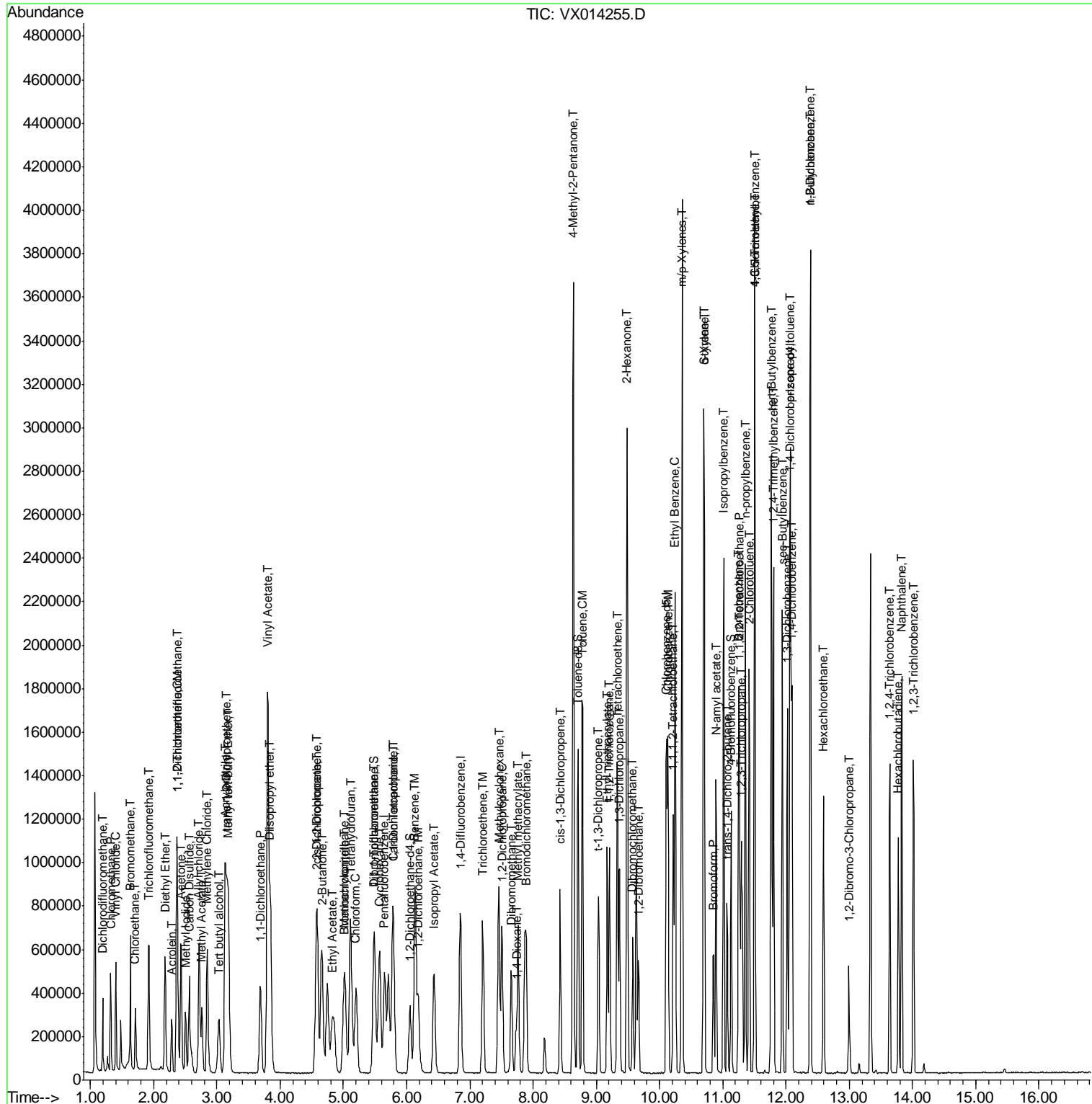
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014255.D
 Acq On : 24 Dec 2019 19:08
 Operator : JC/SP
 Sample : K6405-07MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

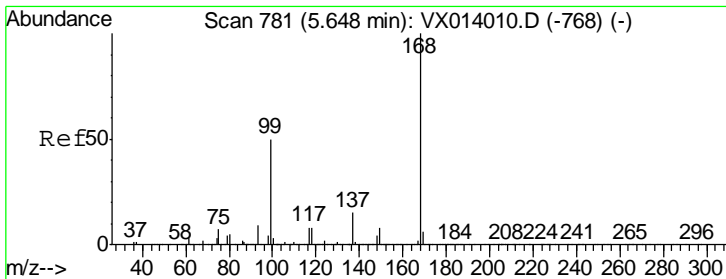
Instrument :
 MSVOA_X
 Client Sample ID :
 996-MW-15-(17)MS

Manual Integrations
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Quant Time: Dec 25 08:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration



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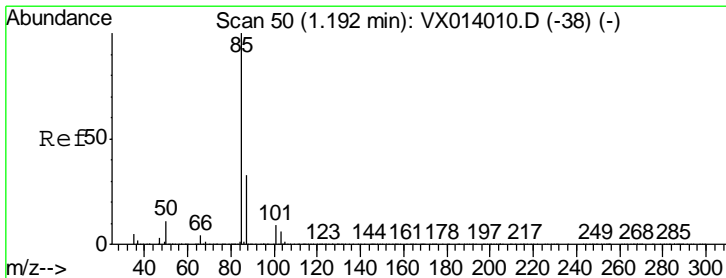
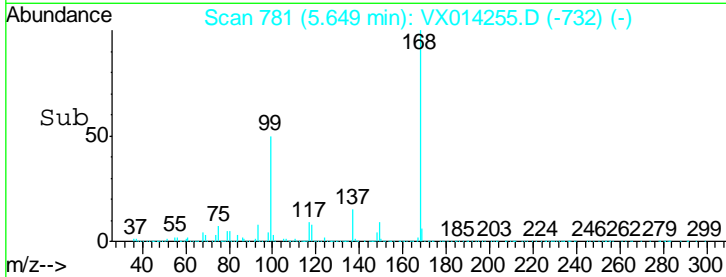
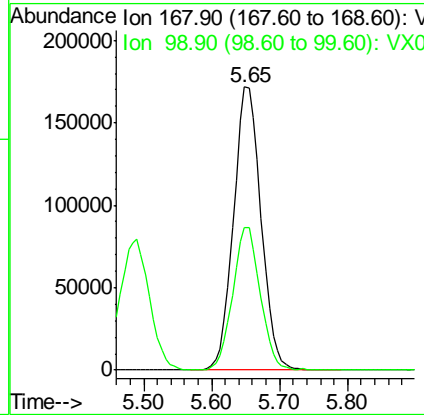
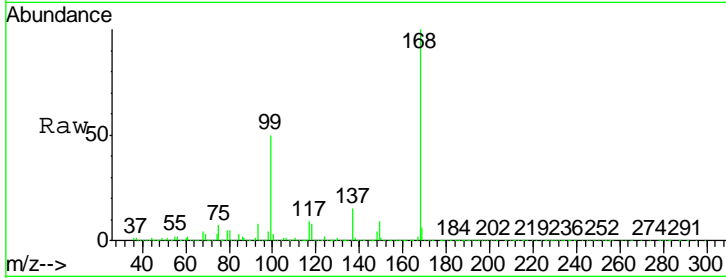
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.3	40.3	60.5

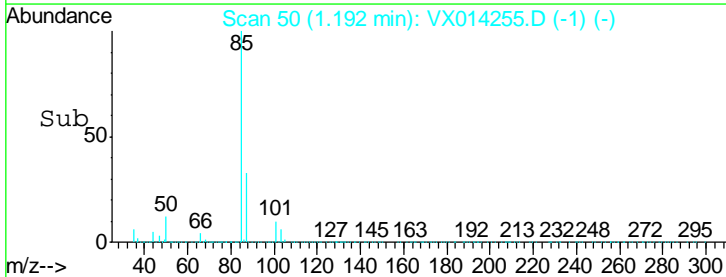
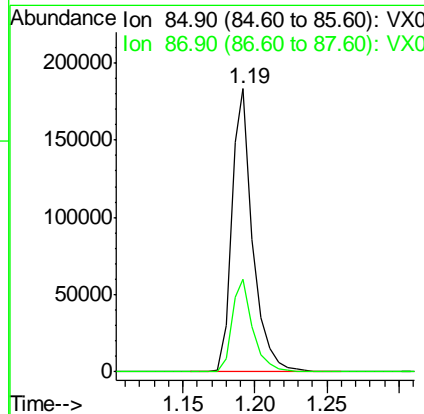
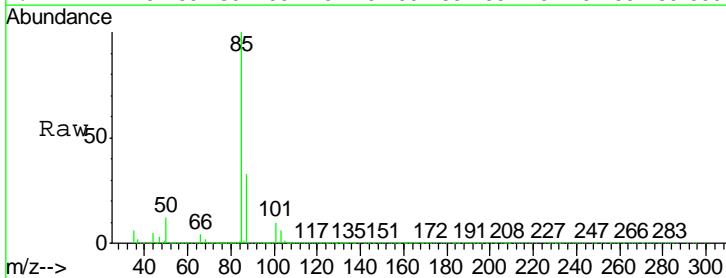
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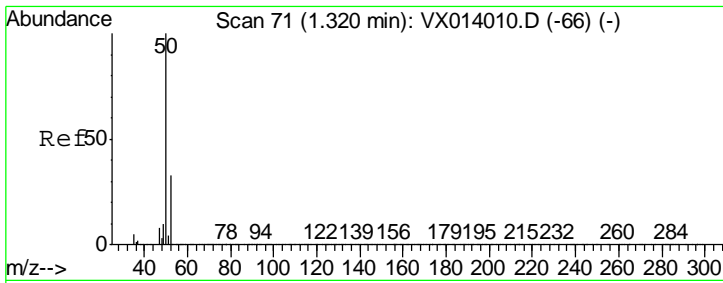
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#2
 Dichlorodifluoromethane
 Concen: 43.277 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.7	16.4	49.2



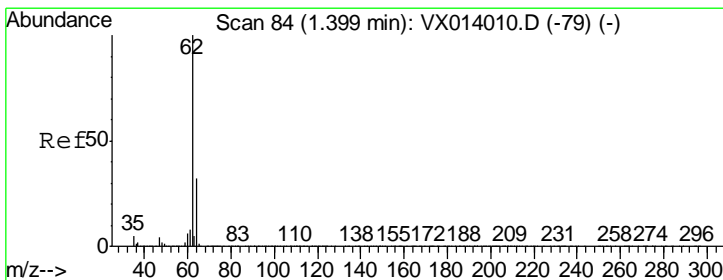
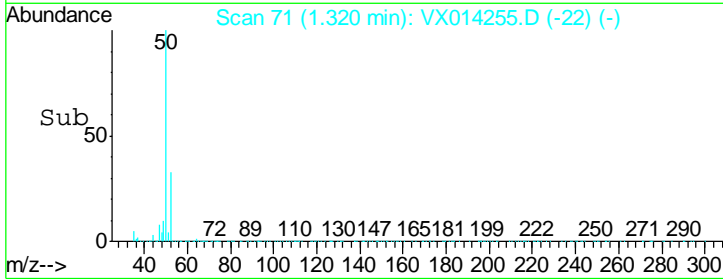
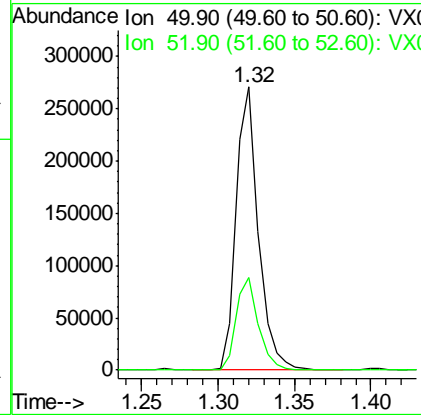
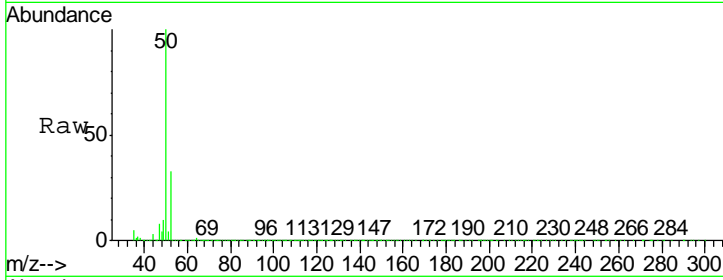


#3
 Chloromethane
 Concen: 46.832 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.4	26.2	39.4

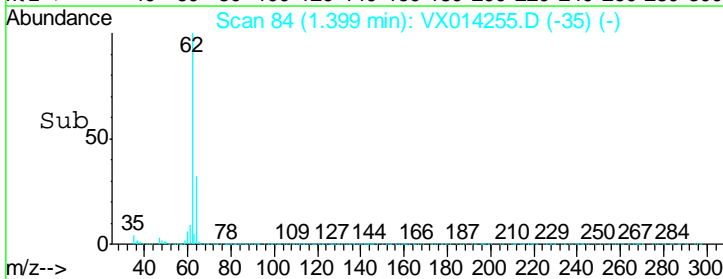
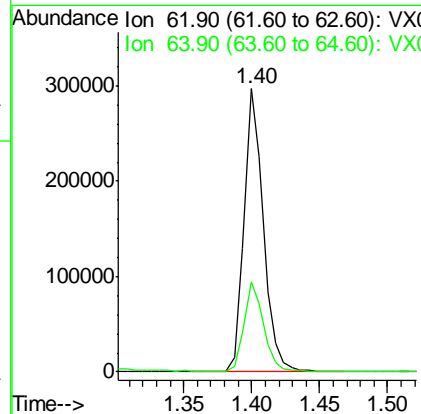
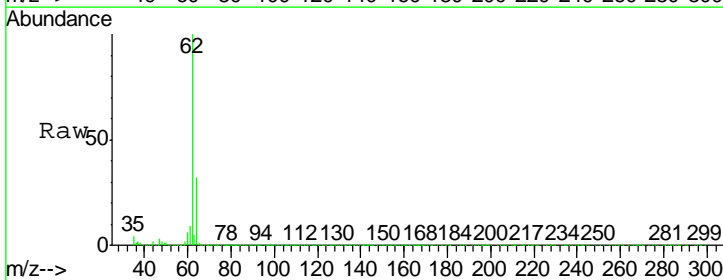
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

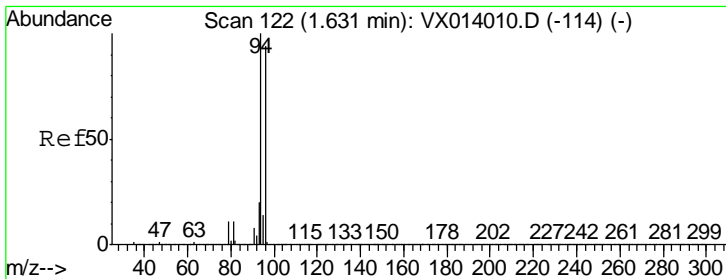
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#4
 Vinyl Chloride
 Concen: 47.801 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.8	25.7	38.5



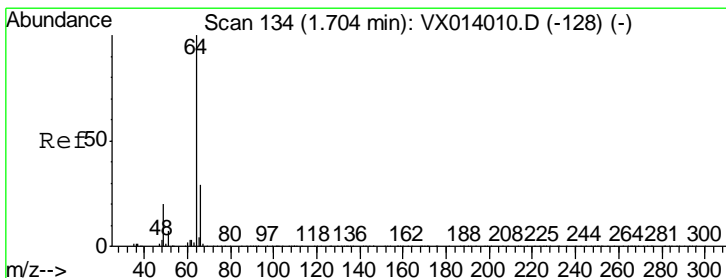
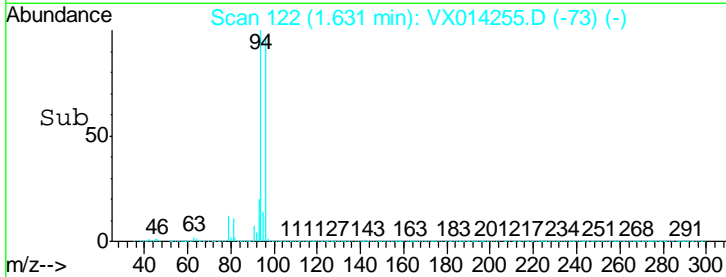
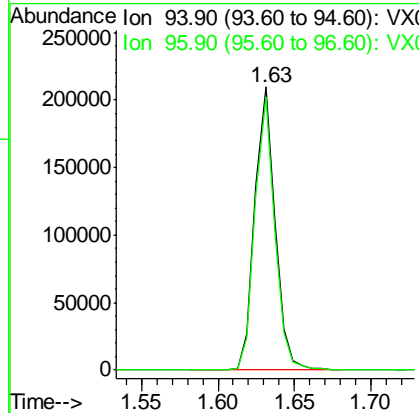
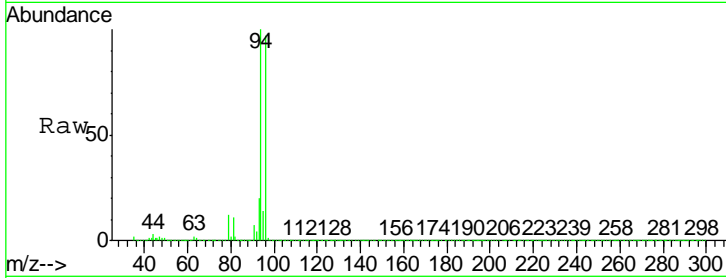


#5
 Bromomethane
 Concen: 44.552 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
94	193558		
94	100		
96	96.5	75.2	112.8

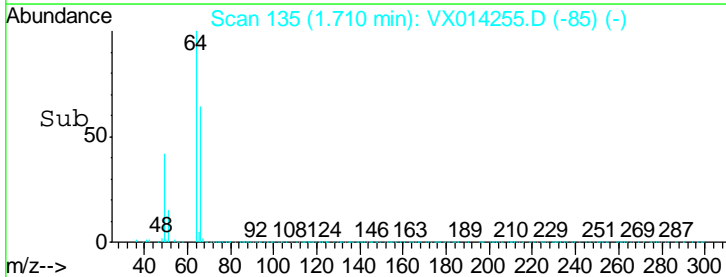
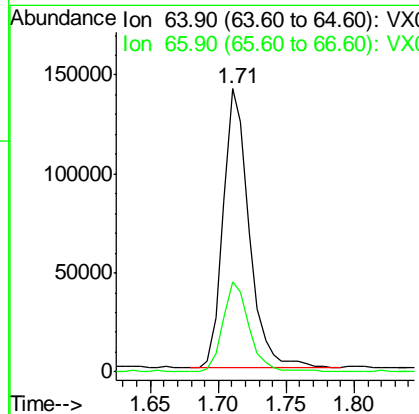
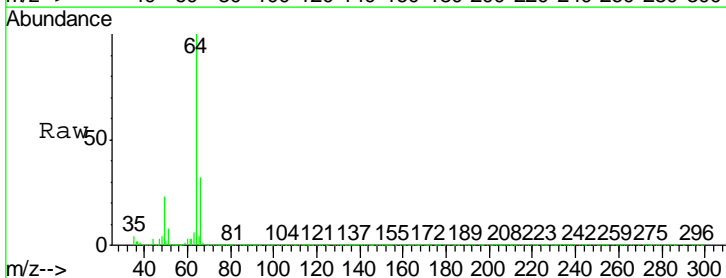
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

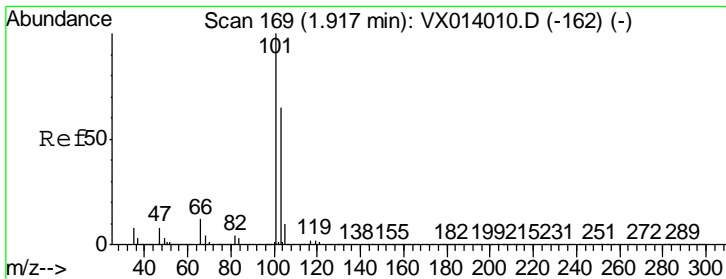
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#6
 Chloroethane
 Concen: 49.414 ug/l
 RT: 1.71 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

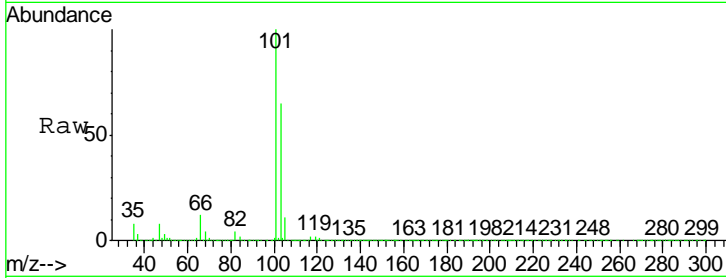
Tgt Ion	Resp	Lower	Upper
64	186683		
64	100		
66	32.2	23.4	35.2





#7
 Trichlorofluoromethane
 Concen: 48.856 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

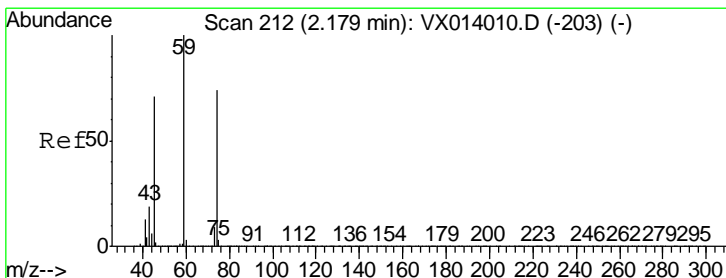
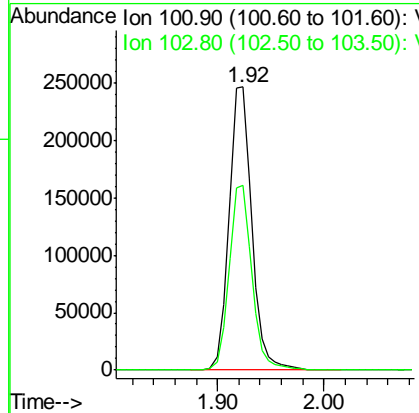
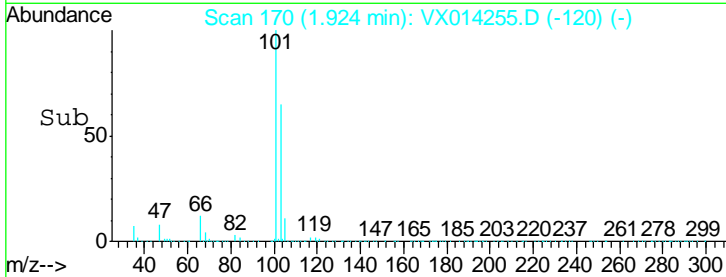
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



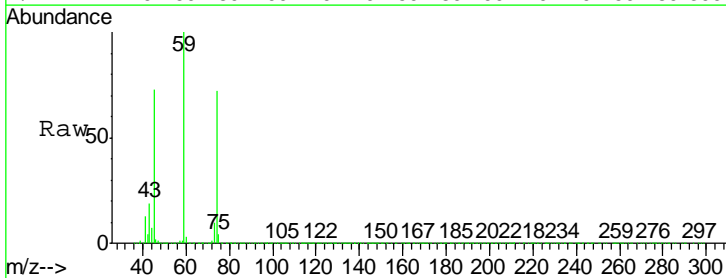
Tgt Ion: 101 Resp: 370202

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4

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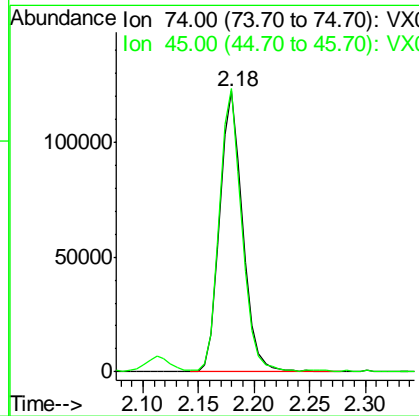
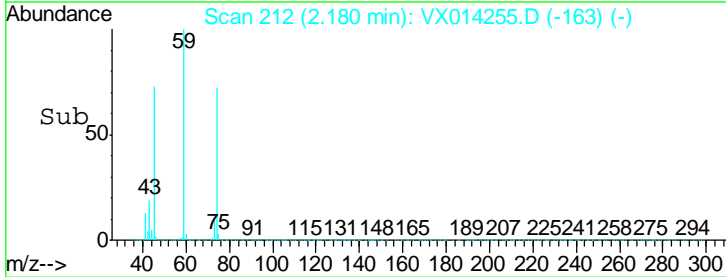


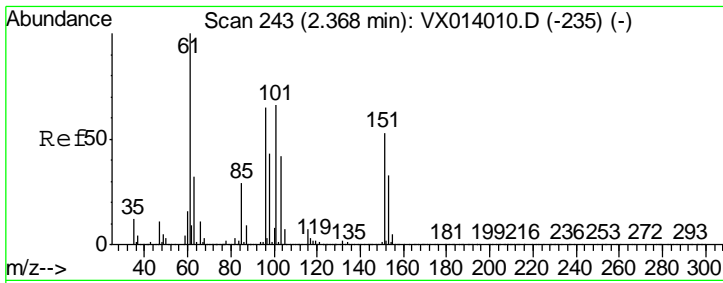
#8
 Diethyl Ether
 Concen: 48.665 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



Tgt Ion: 74 Resp: 173065

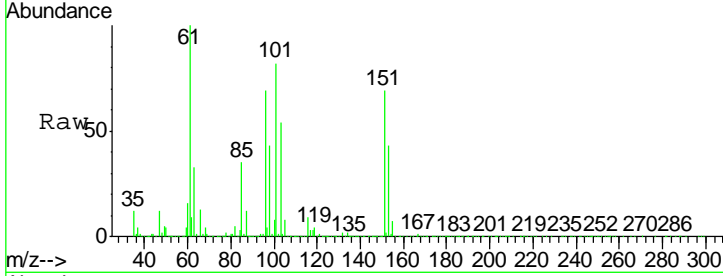
Ion	Ratio	Lower	Upper
74	100		
45	98.5	48.1	144.3





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.872 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

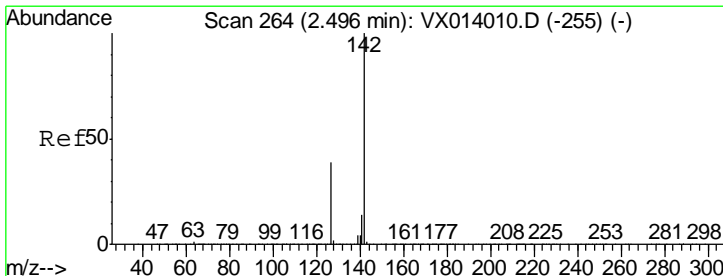
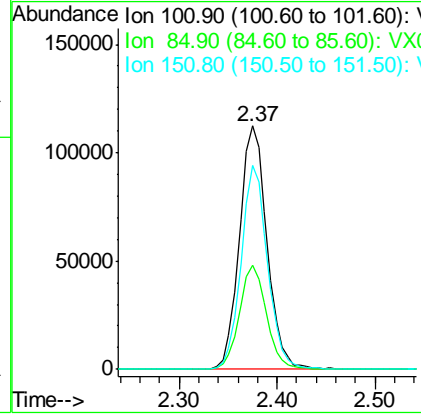
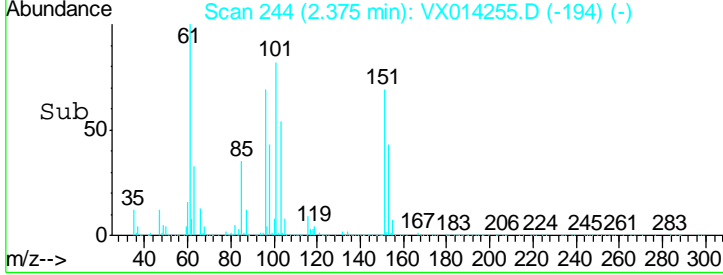
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



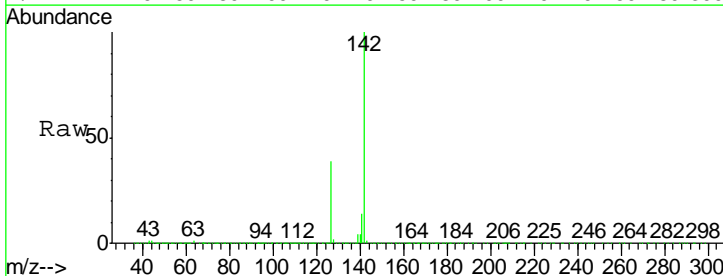
Tgt Ion	Resp	Lower	Upper
101	218662		
101	100		
85	41.8	33.7	50.5
151	80.9	64.5	96.7

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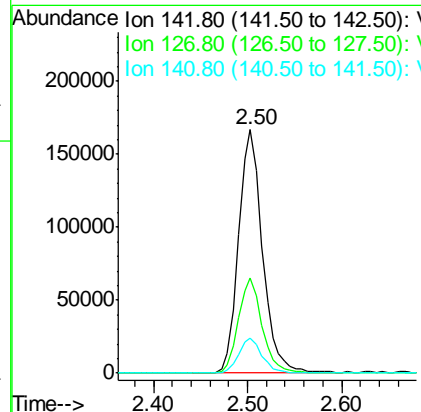
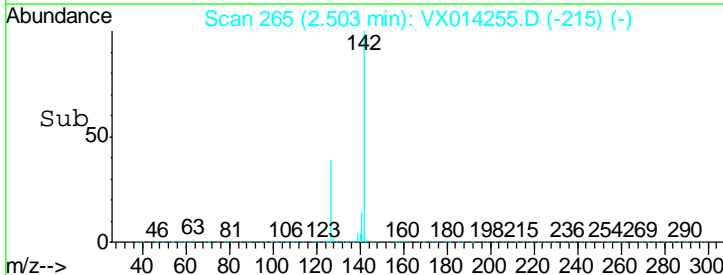
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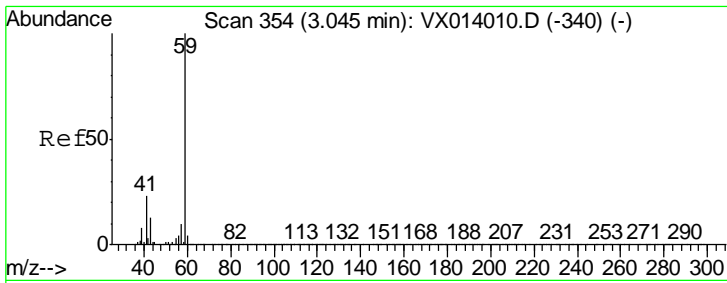


#10
 Methyl Iodide
 Concen: 48.937 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



Tgt Ion	Resp	Lower	Upper
142	294429		
142	100		
127	39.0	31.6	47.4
141	14.0	11.6	17.4



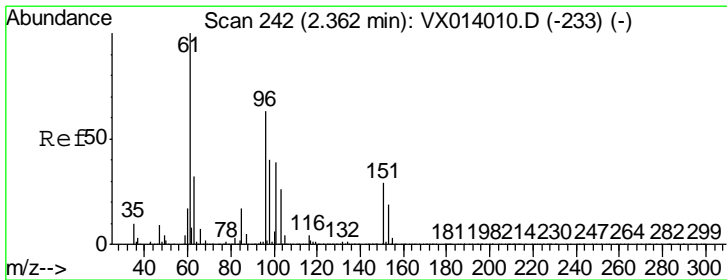
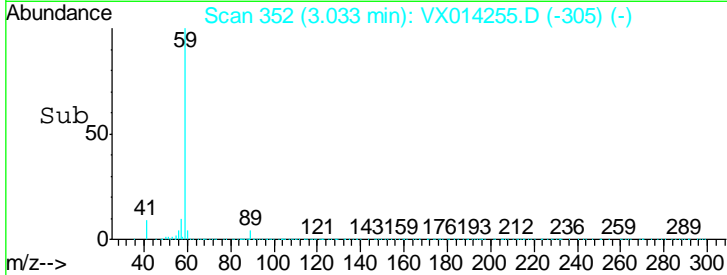
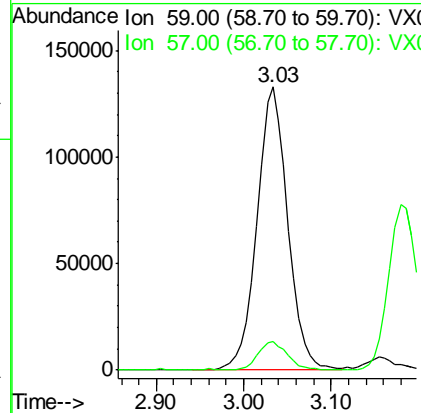
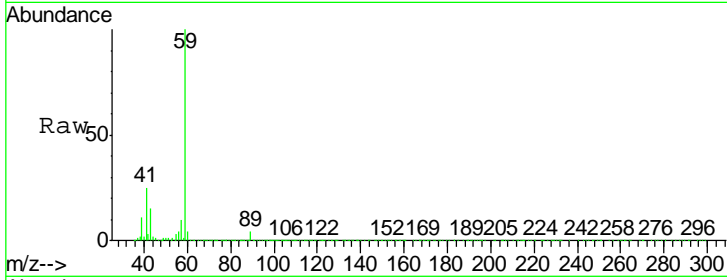


#11
 Tert butyl alcohol
 Concen: 272.628 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.4	8.4	12.6

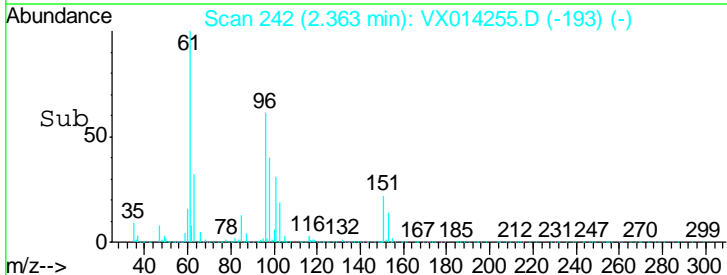
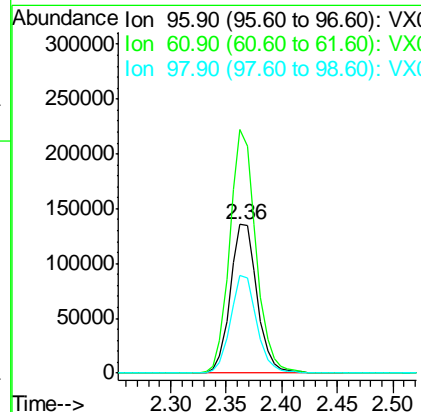
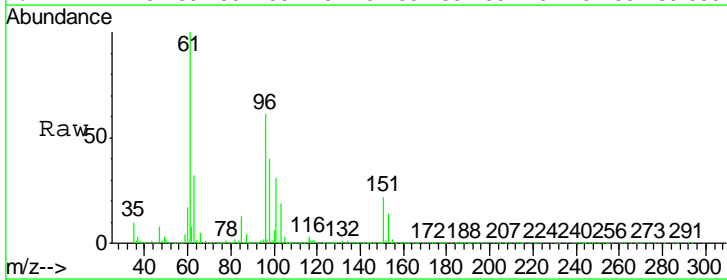
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

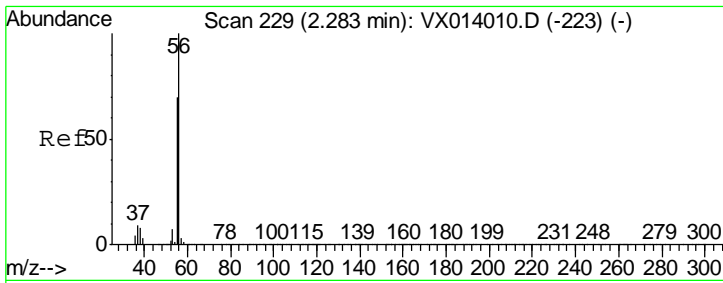
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#12
 1,1-Dichloroethene
 Concen: 48.530 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
96	100		
61	163.6	127.9	191.9
98	65.3	50.5	75.7



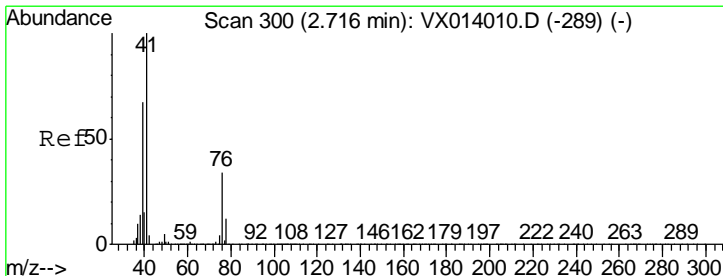
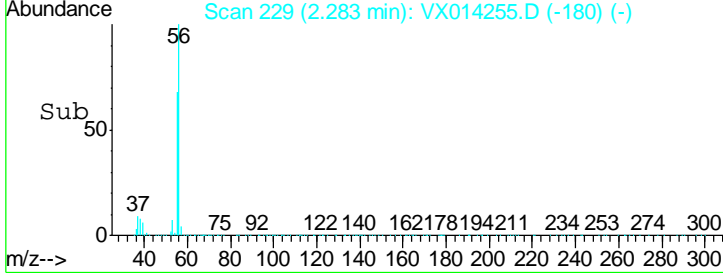
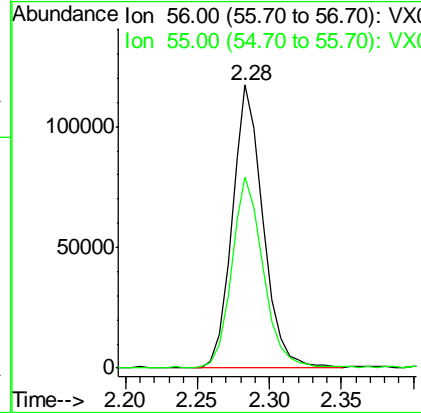
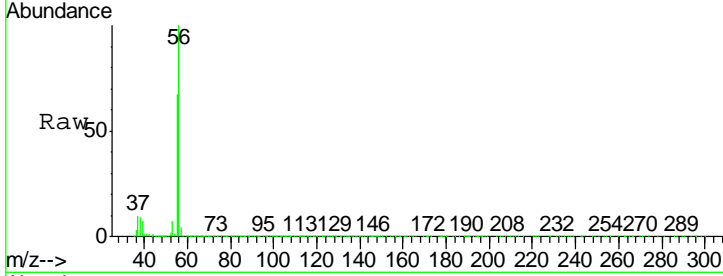


#13
 Acrolein
 Concen: 257.605 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
56	174487		
55	68.9	56.9	85.3

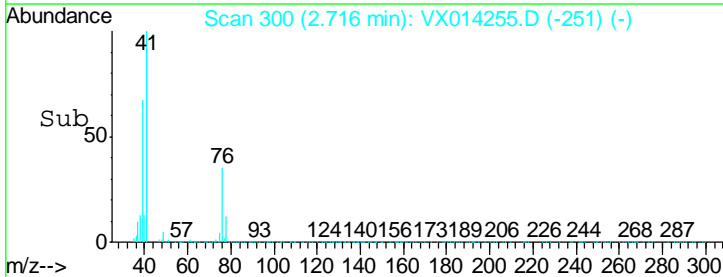
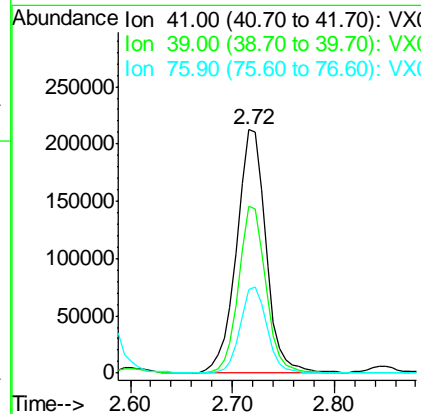
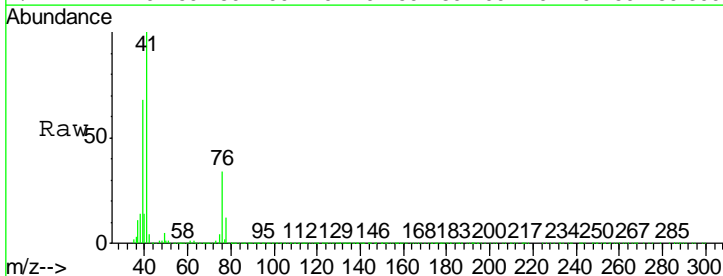
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 Client Sampled : 996-MW-15-(17)MS

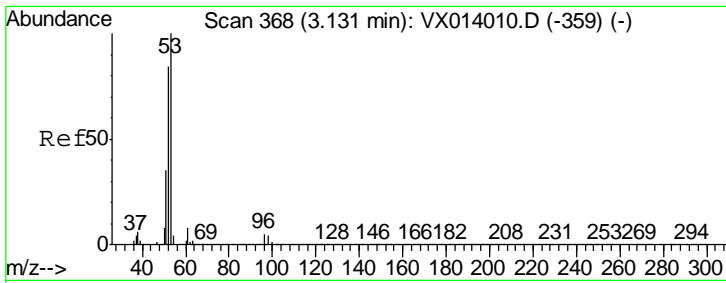
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#14
 Allyl chloride
 Concen: 50.887 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

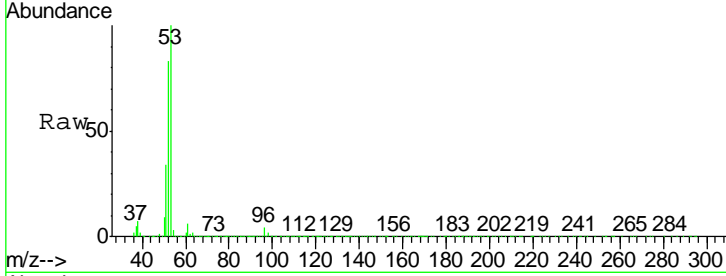
Tgt Ion	Resp	Lower	Upper
41	422296		
39	63.0	51.8	77.8
76	31.9	25.9	38.9





#15
 Acrylonitrile
 Concen: 268.143 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

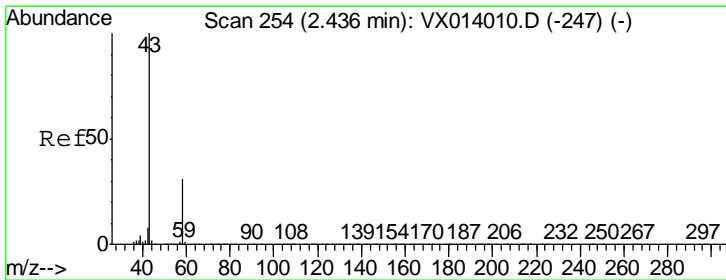
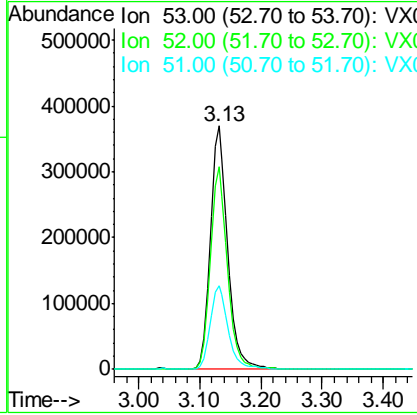
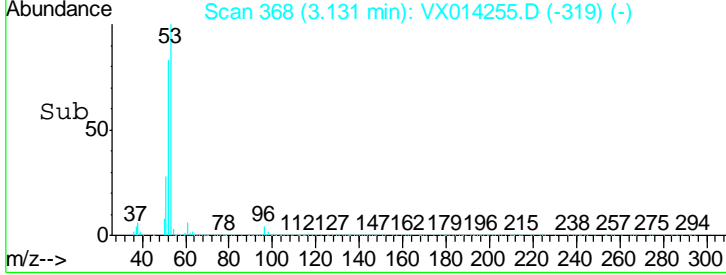
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



Tgt Ion: 53 Resp: 740569

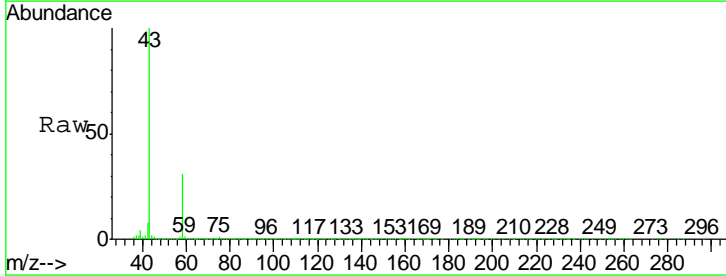
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.5	28.1	42.1

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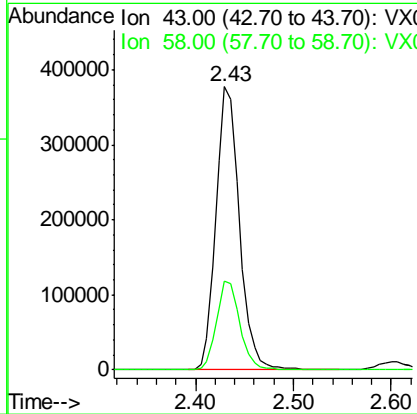
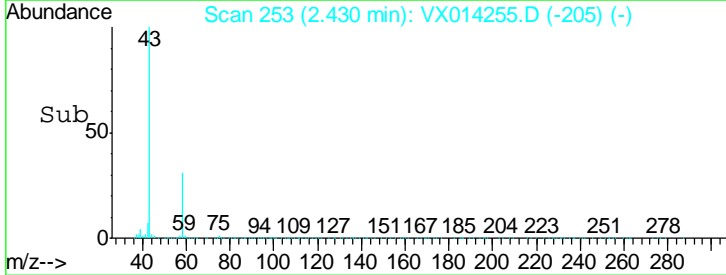
#16
 Acetone
 Concen: 175.614 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

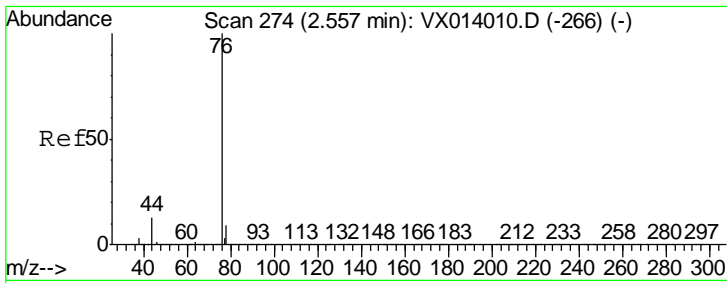
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



Tgt Ion: 43 Resp: 624345

Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.9	37.3



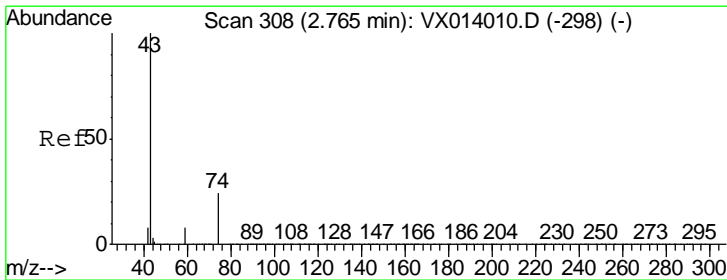
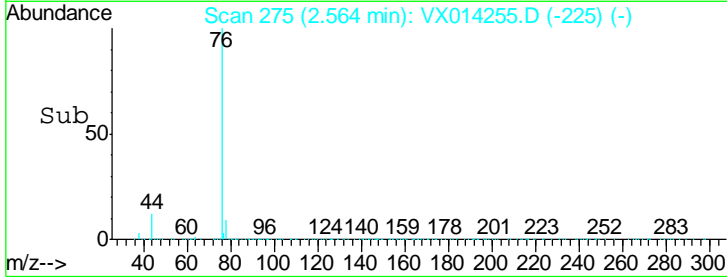
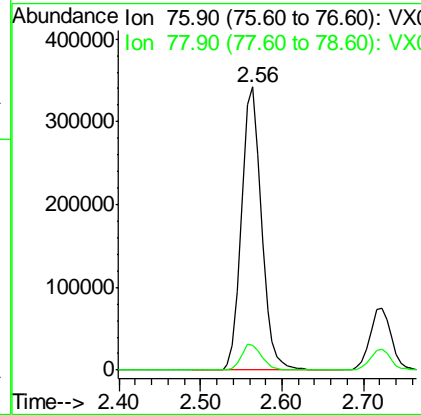
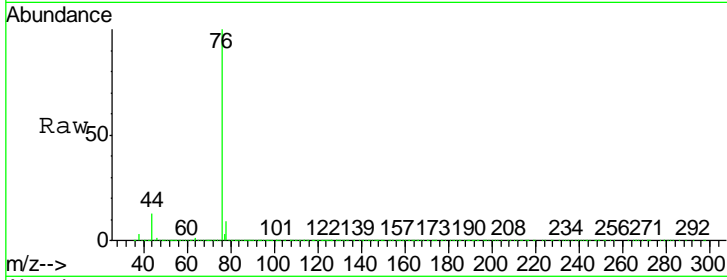


#17
 Carbon Disulfide
 Concen: 44.637 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
76	100		
78	8.9	7.2	10.8

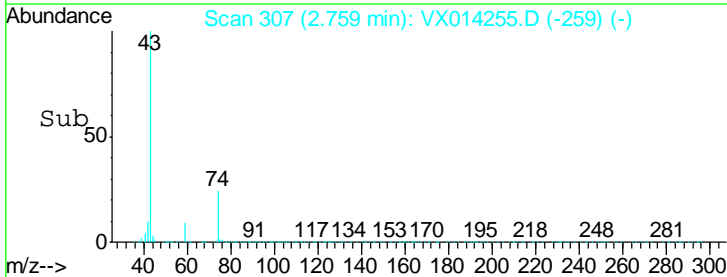
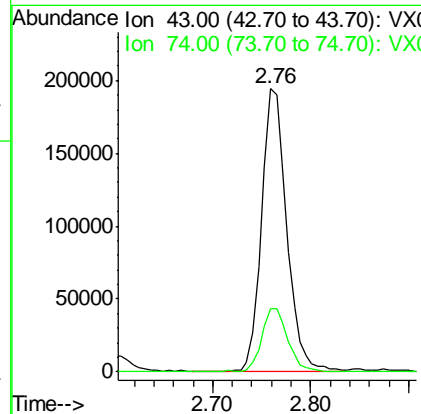
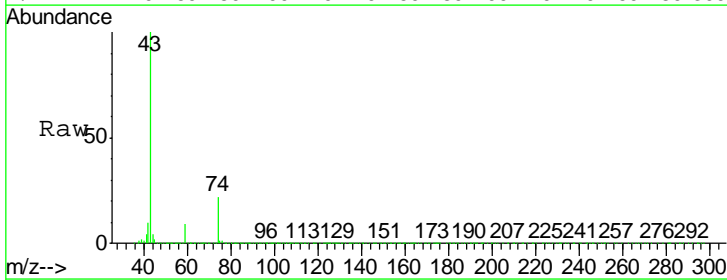
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

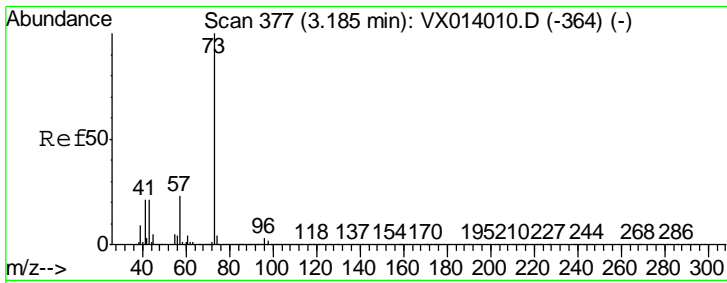
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#18
 Methyl Acetate
 Concen: 49.078 ug/l
 RT: 2.76 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
43	100		
74	23.6	19.5	29.3



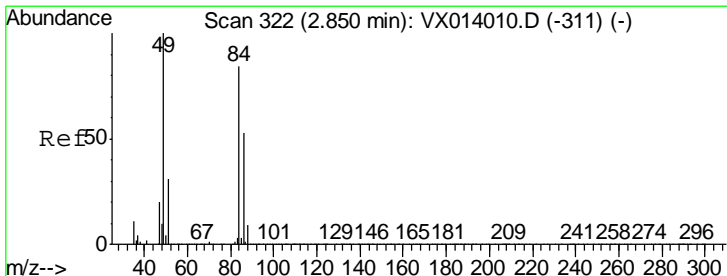
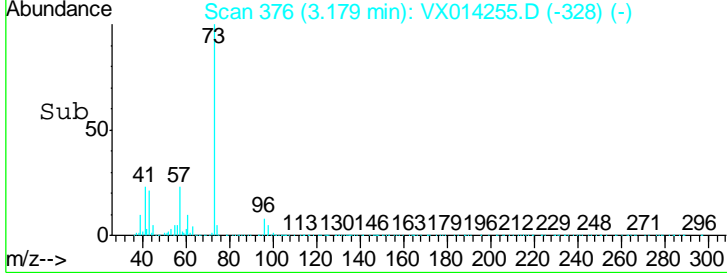
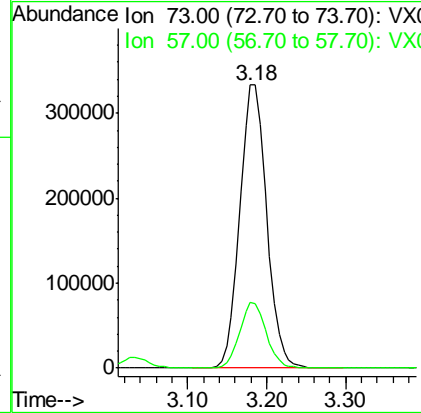
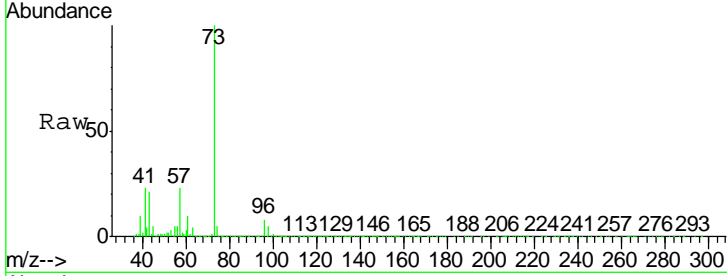


#19
 Methyl tert-butyl Ether
 Concen: 51.922 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
73	100		
57	23.4	18.8	28.2

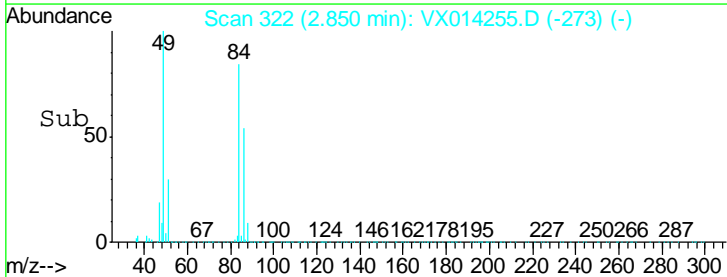
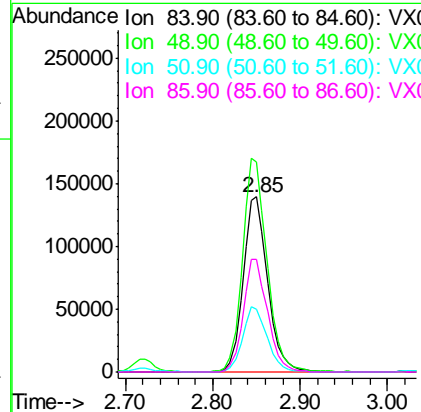
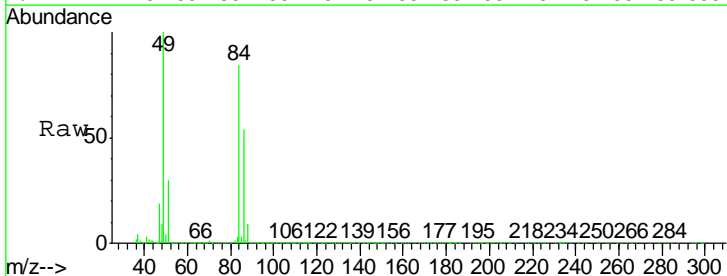
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

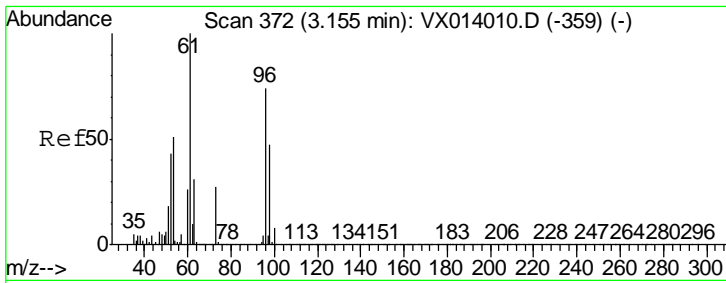
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#20
 Methylene Chloride
 Concen: 48.126 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

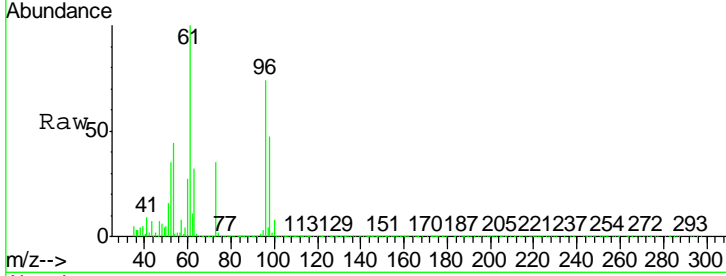
Tgt Ion	Resp	Lower	Upper
84	100		
49	119.7	95.8	143.6
51	36.0	29.8	44.8
86	64.4	50.8	76.2





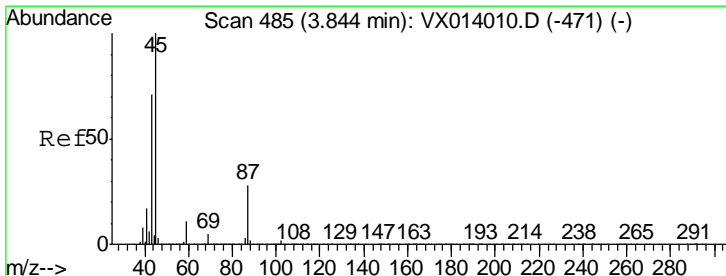
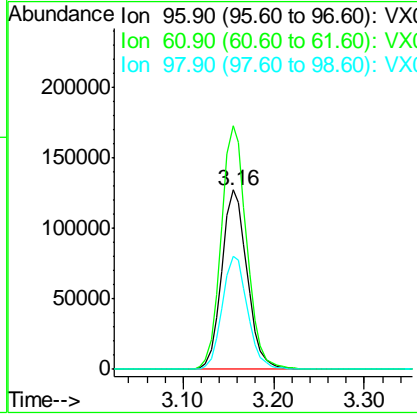
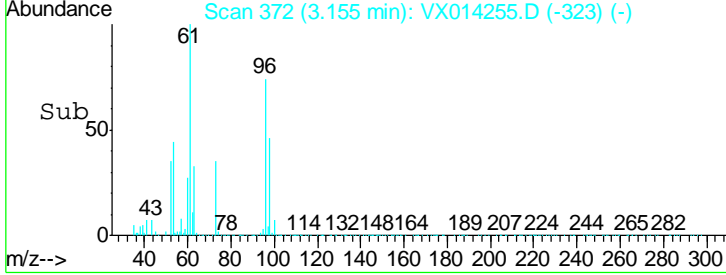
#21
 trans-1,2-Dichloroethene
 Concen: 48.372 ug/l
 RT: 3.16 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

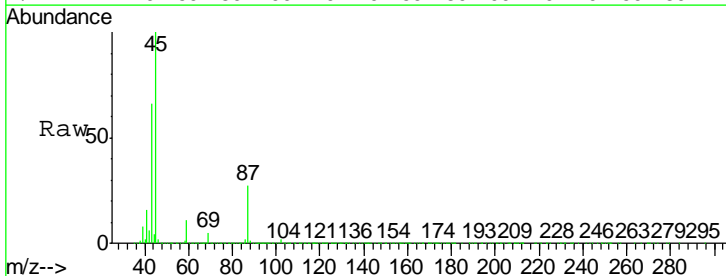


Tgt Ion	Resp	Lower	Upper
96	247689		
61	135.6	108.3	162.5
98	63.1	50.8	76.2

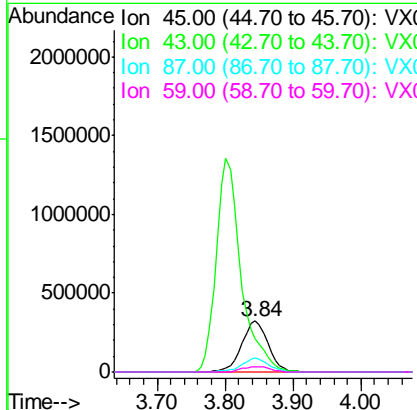
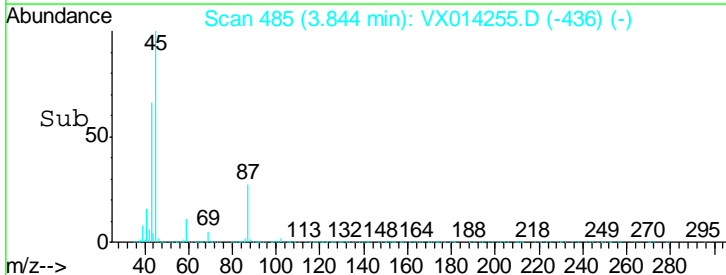
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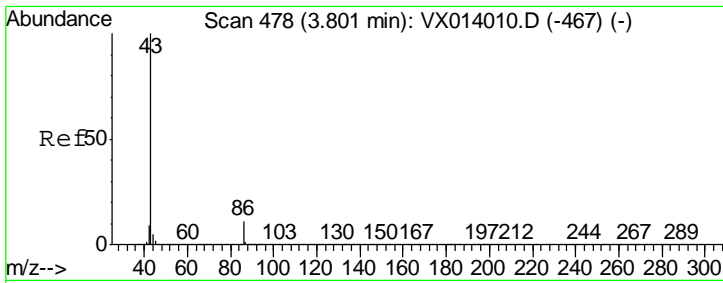


#22
 Diisopropyl ether
 Concen: 53.180 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



Tgt Ion	Resp	Lower	Upper
45	879447		
43	66.0	57.4	86.0
87	27.2	21.9	32.9
59	11.0	9.0	13.6



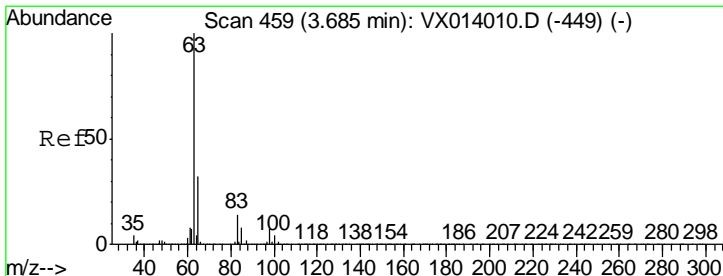
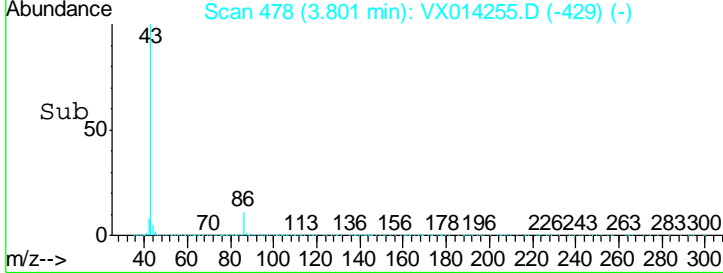
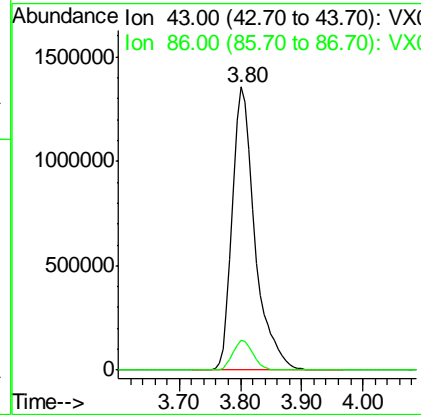
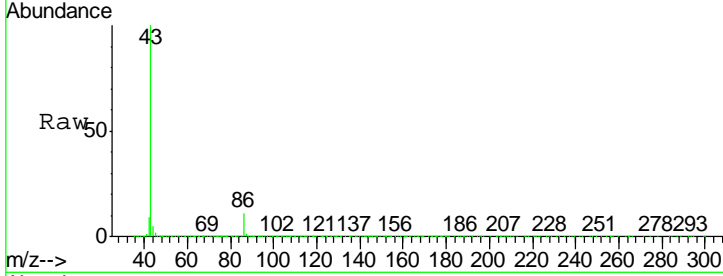


#23
 Vinyl Acetate
 Concen: 255.847 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.6	12.8

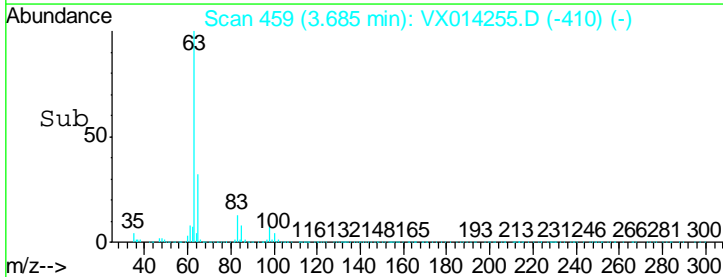
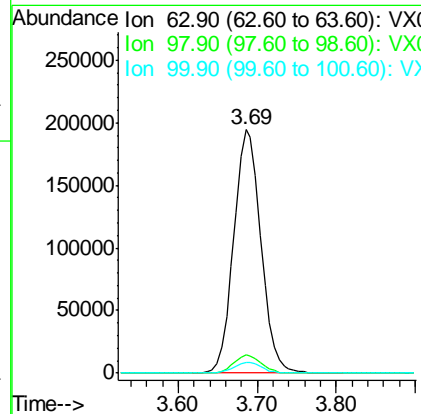
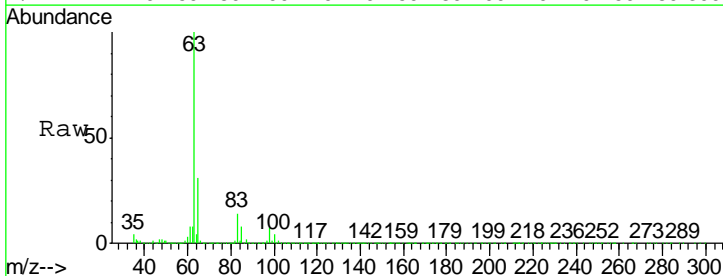
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

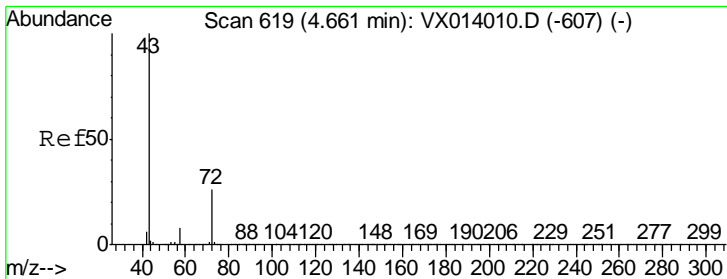
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#24
 1,1-Dichloroethane
 Concen: 50.530 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.2	2.3	6.8





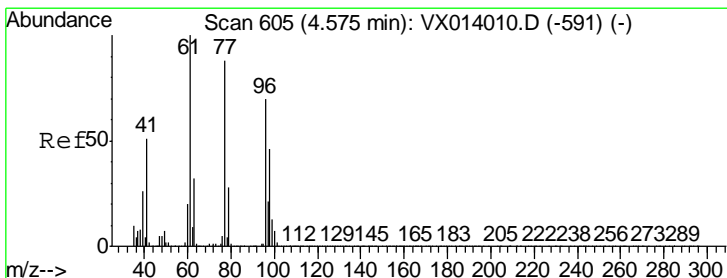
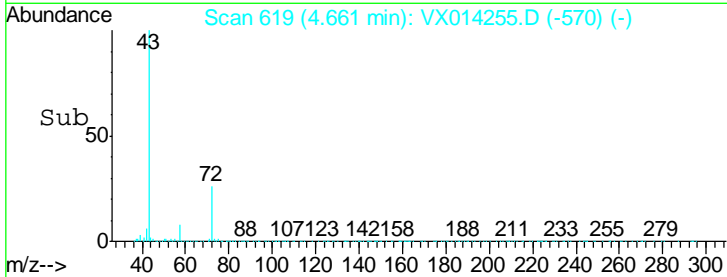
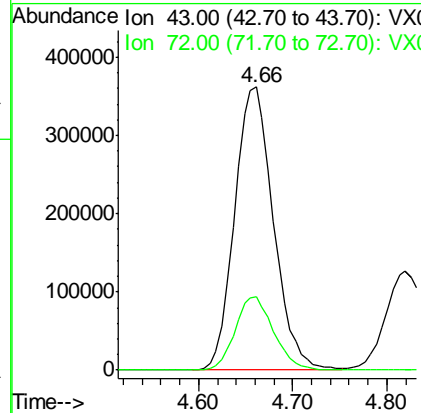
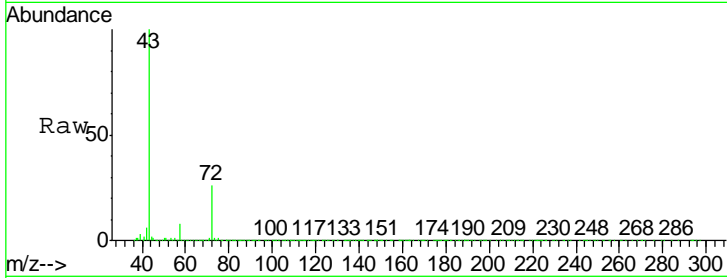
#25
 2-Butanone
 Concen: 234.357 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion: 43 Resp: 1027224

Ion	Ratio	Lower	Upper
43	100		
72	25.7	21.0	31.4

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

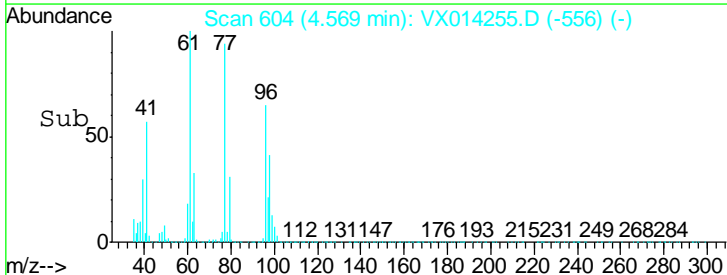
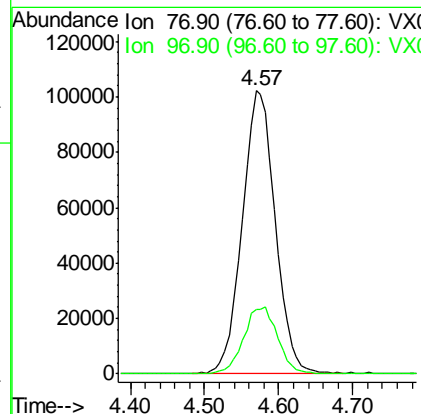
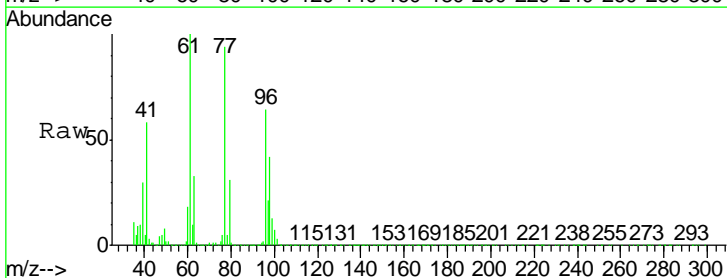
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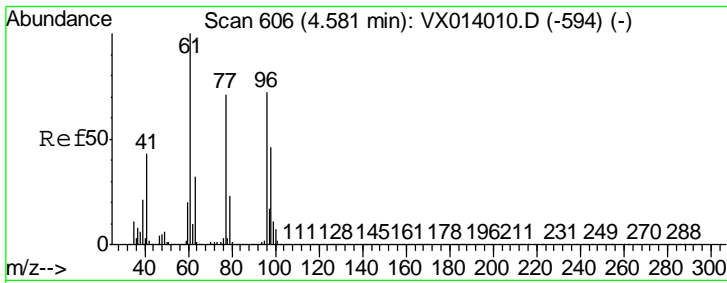


#26
 2,2-Dichloropropane
 Concen: 44.425 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion: 77 Resp: 317347

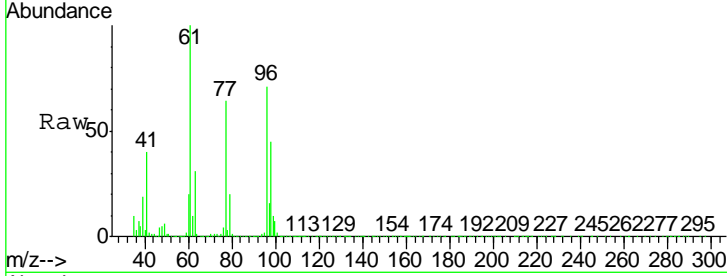
Ion	Ratio	Lower	Upper
77	100		
97	24.5	11.9	35.9





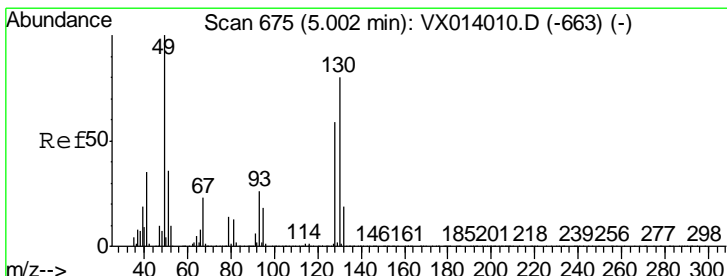
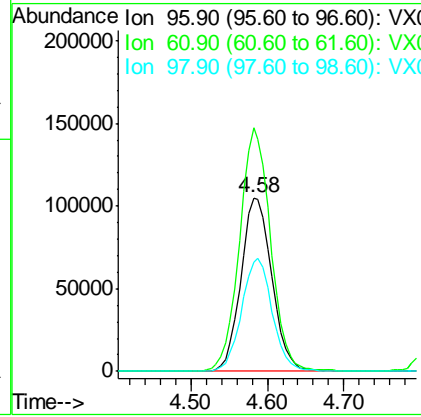
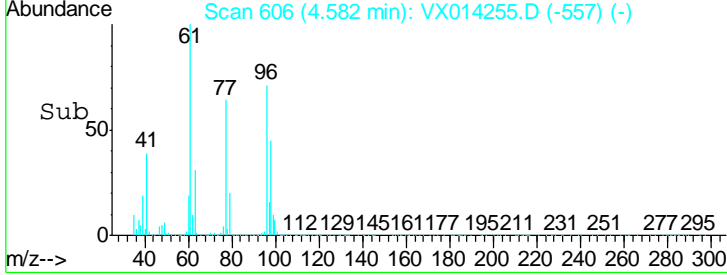
#27
 cis-1,2-Dichloroethene
 Concen: 50.500 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

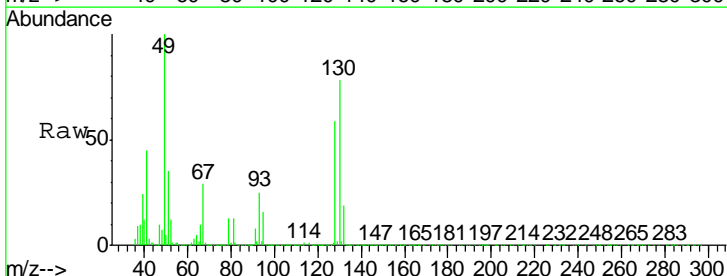


Tgt Ion	Resp	Lower	Upper
96	292450		
96	100		
61	141.4	0.0	288.4
98	64.5	0.0	129.6

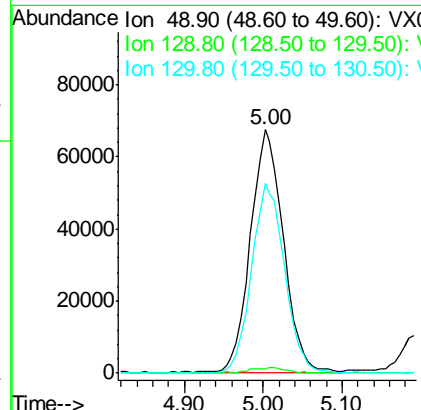
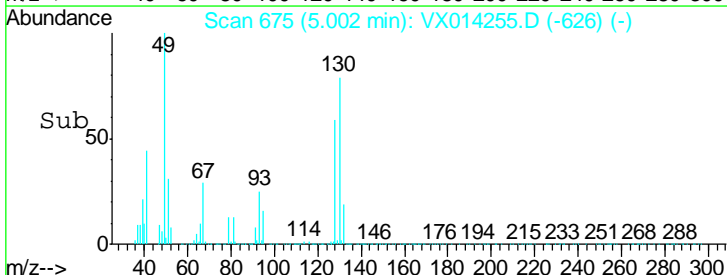
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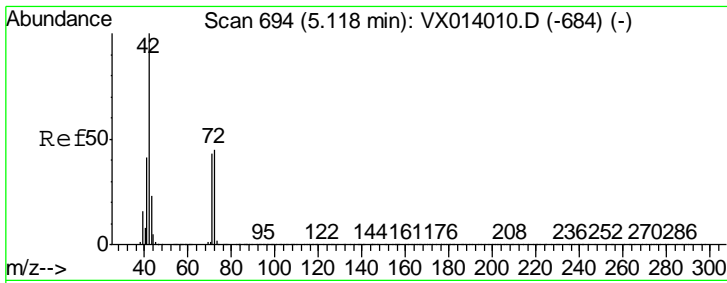


#28
 Bromochloromethane
 Concen: 55.777 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



Tgt Ion	Resp	Lower	Upper
49	197549		
49	100		
129	2.5	0.0	5.0
130	77.4	64.6	97.0



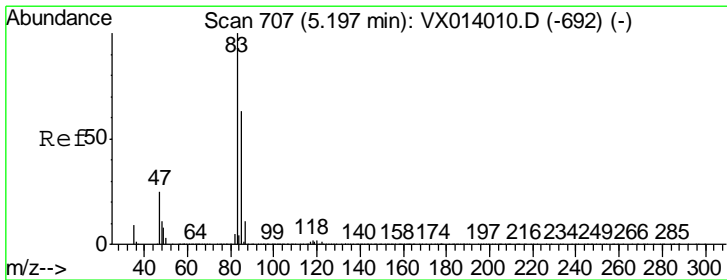
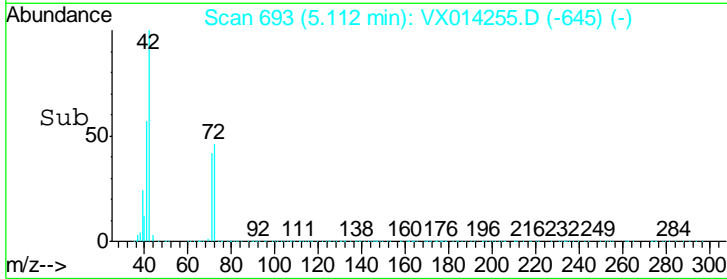
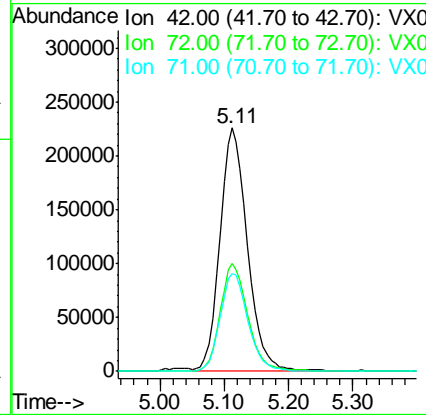
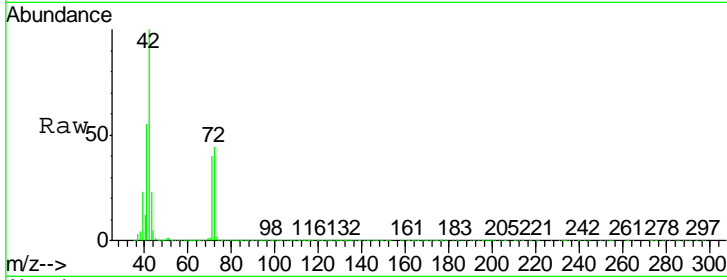


#29
 Tetrahydrofuran
 Concen: 274.359 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.6	35.8	53.8
71	41.0	33.6	50.4

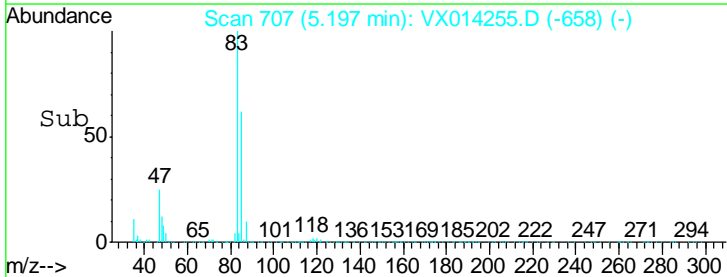
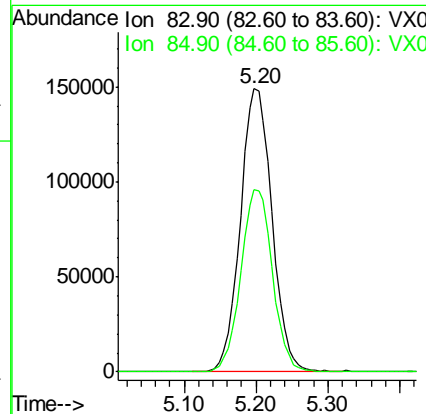
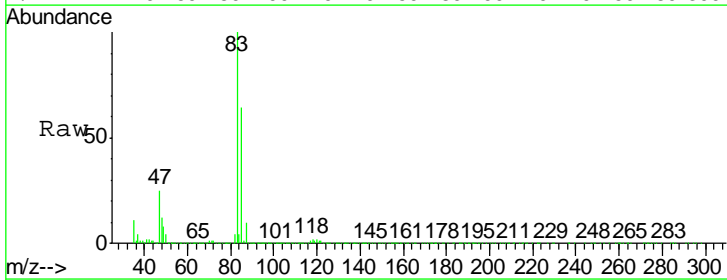
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

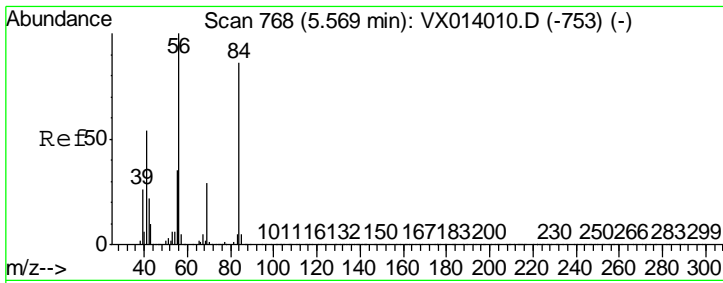
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#30
 Chloroform
 Concen: 52.107 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.1	50.8	76.2





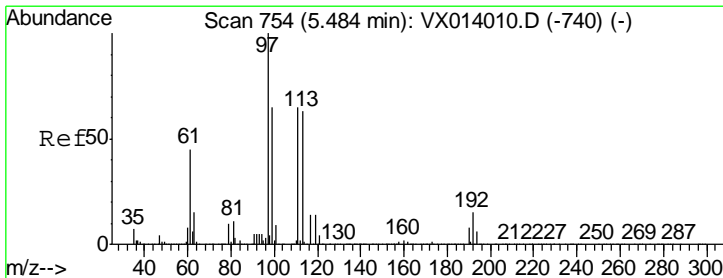
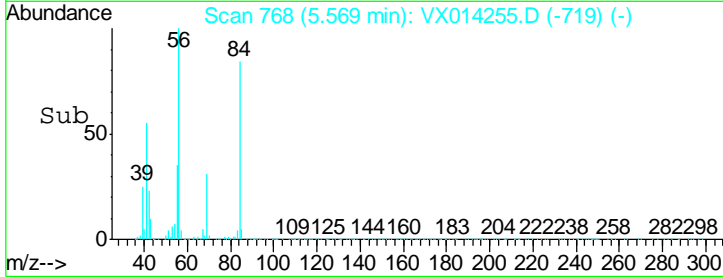
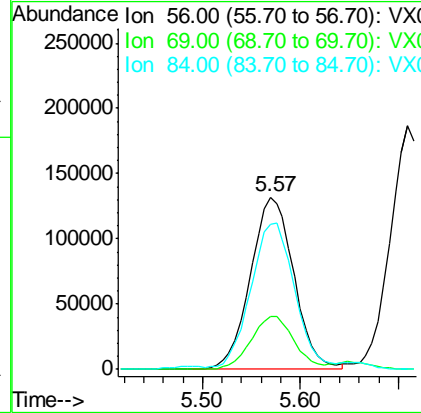
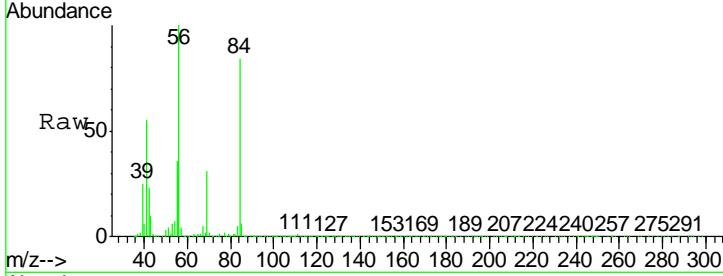
#31
 Cyclohexane
 Concen: 49.338 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.8	23.2	34.8
84	82.7	69.2	103.8

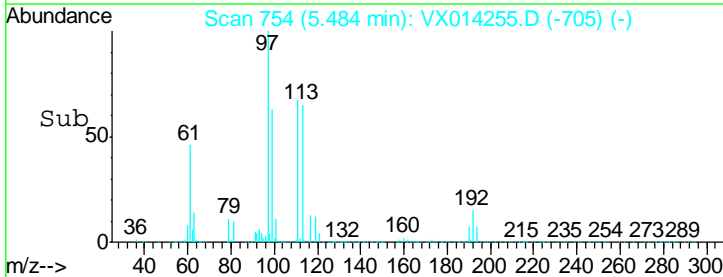
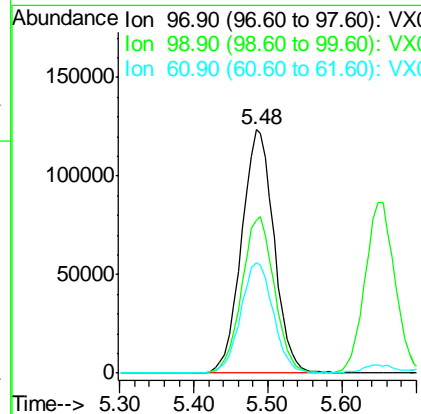
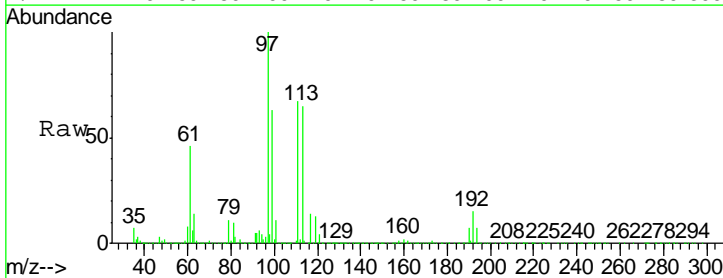
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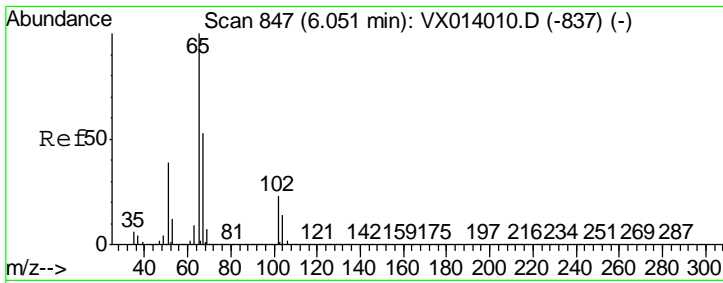
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#32
 1,1,1-Trichloroethane
 Concen: 50.490 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	45.5	36.7	55.1



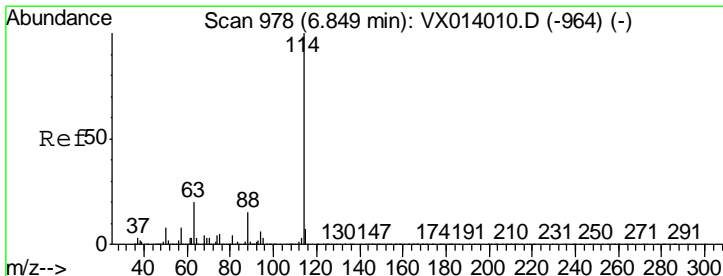
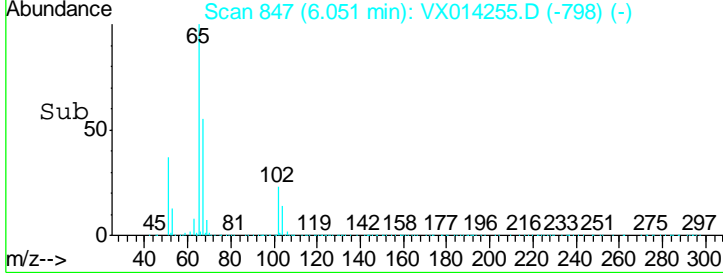
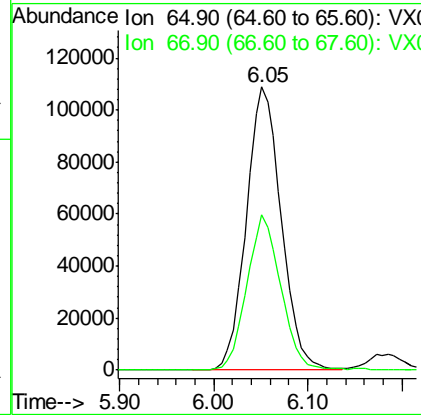
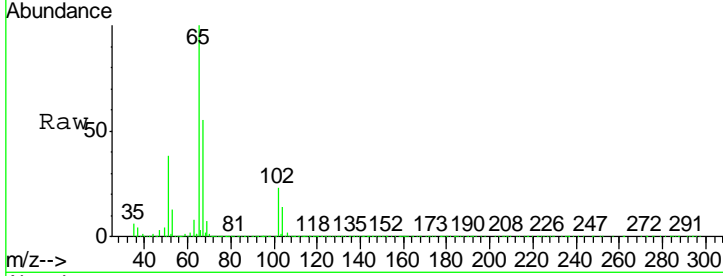


#33
 1,2-Dichloroethane-d4
 Concen: 51.275 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.8	0.0	106.4

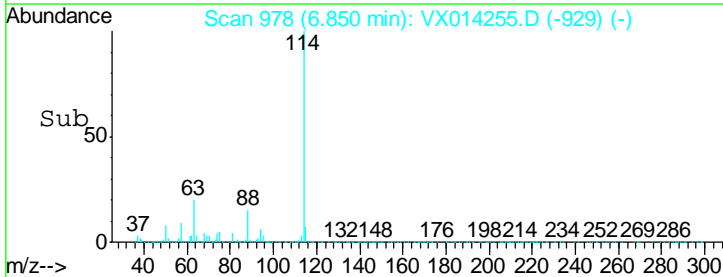
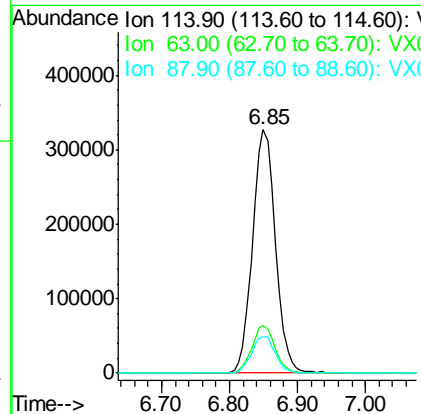
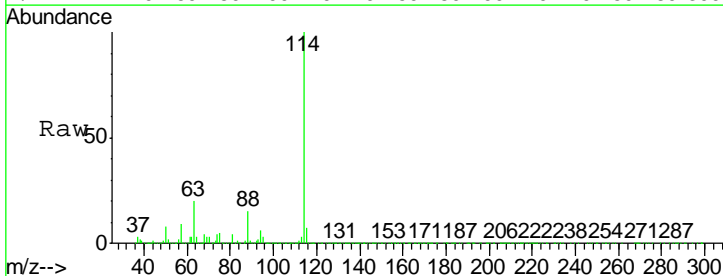
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

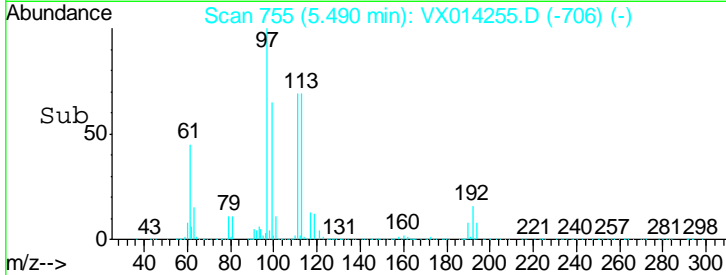
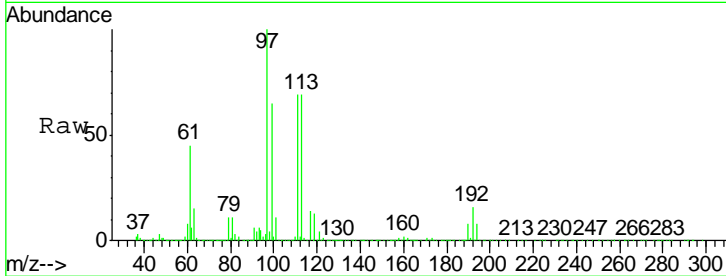
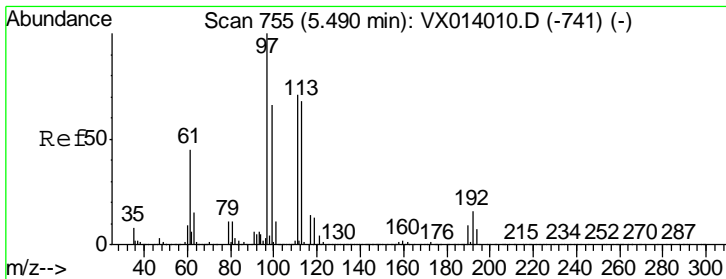
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.8	0.0	40.8
88	15.1	0.0	30.4



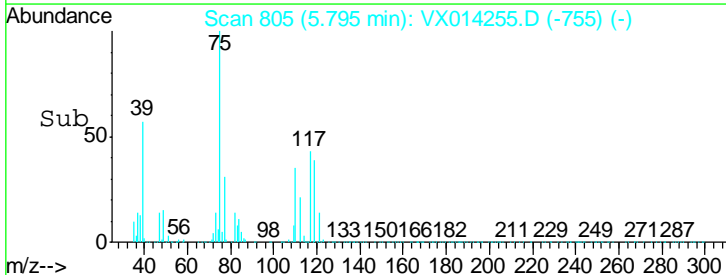
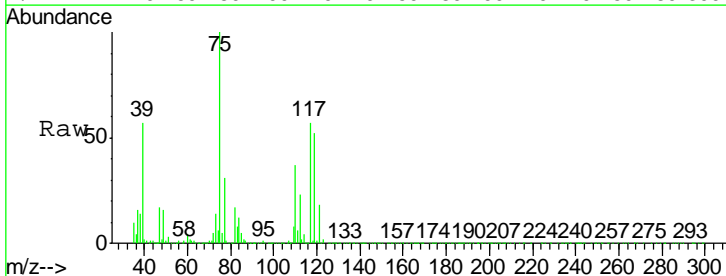
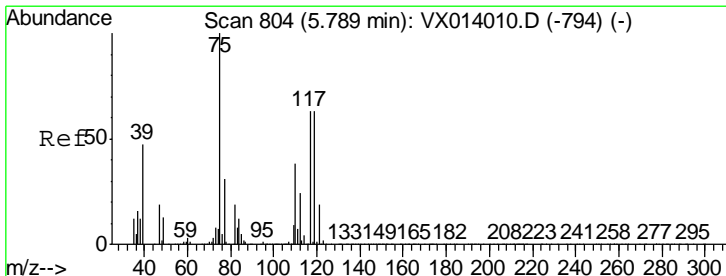
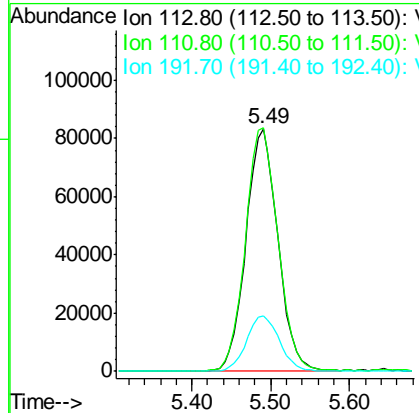


#35
 Dibromofluoromethane
 Concen: 50.256 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
113	234066		
113	100		
111	102.6	82.0	123.0
192	23.9	19.3	28.9

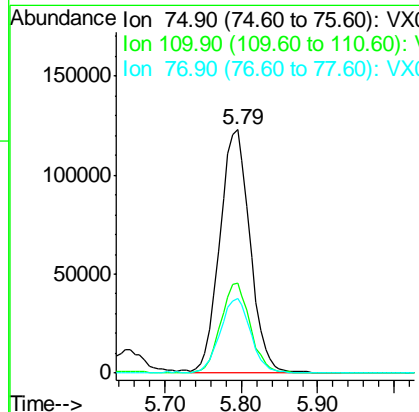
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

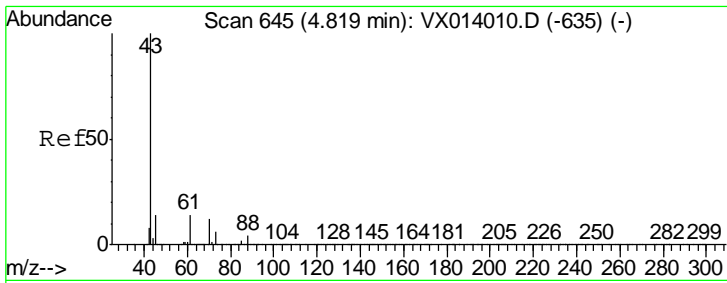
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#36
 1,1-Dichloropropene
 Concen: 47.571 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
75	334424		
75	100		
110	35.8	18.3	54.9
77	30.4	24.8	37.2



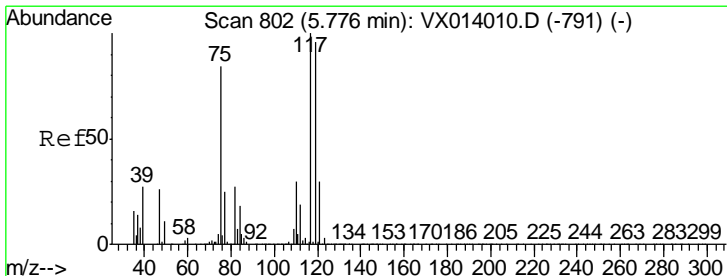
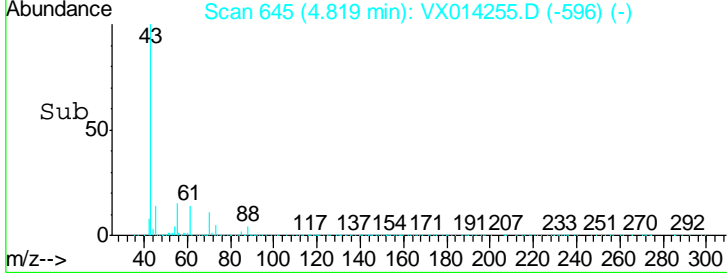
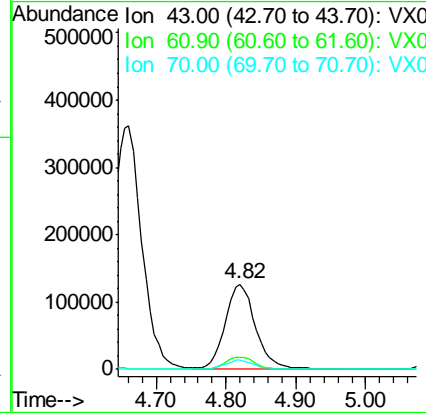
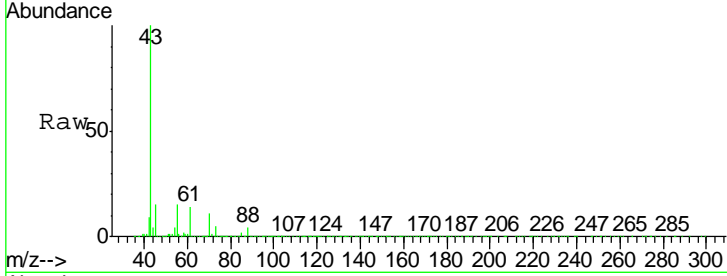


#37
 Ethyl Acetate
 Concen: 48.296 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.7	10.8	16.2
70	10.3	8.6	12.8

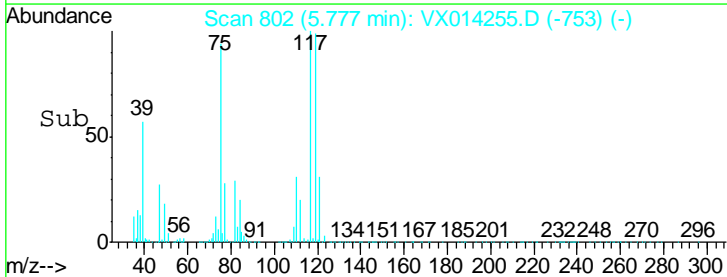
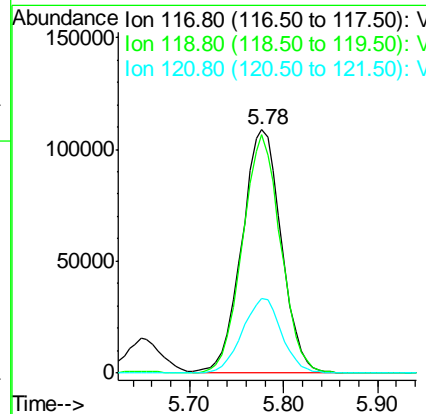
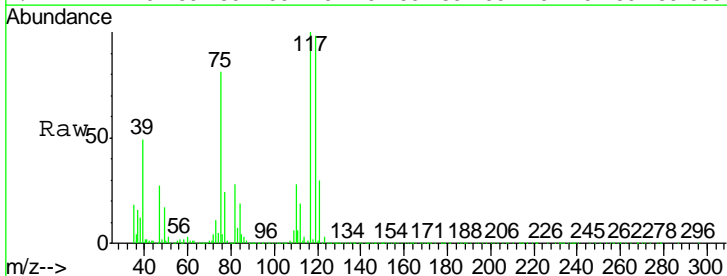
Instrument : MSVOA_X
 ClientSampleId : 996-MW-15-(17)MS

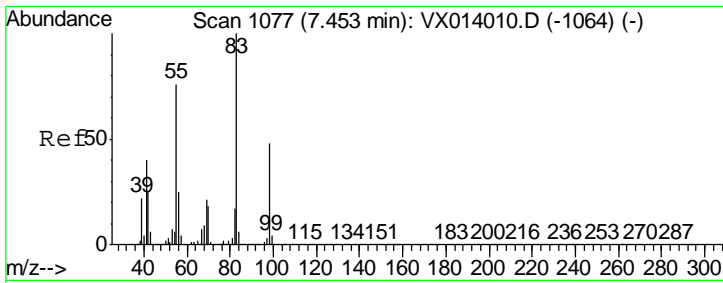
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#38
 Carbon Tetrachloride
 Concen: 49.561 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.8	76.2	114.4
121	30.3	23.6	35.4





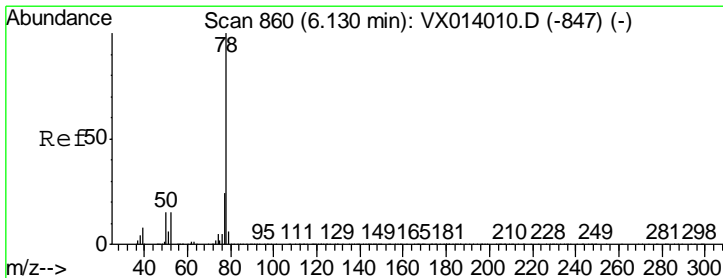
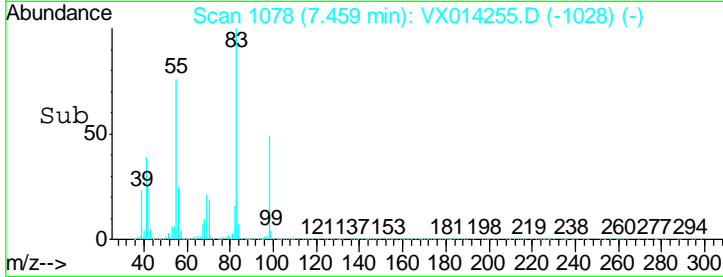
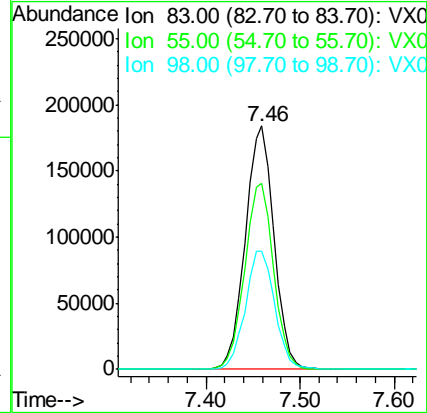
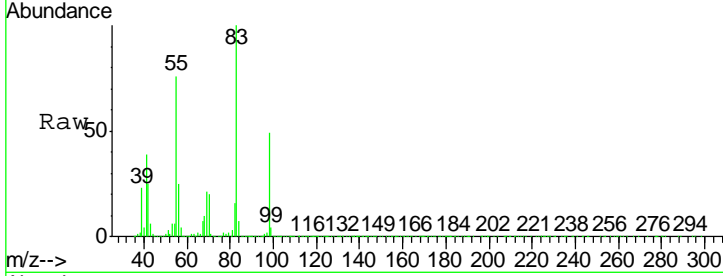
#39
 Methylcyclohexane
 Concen: 44.979 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion	Resp	Lower	Upper
83	390438		
55	76.1	61.0	91.6
98	48.7	38.6	57.8

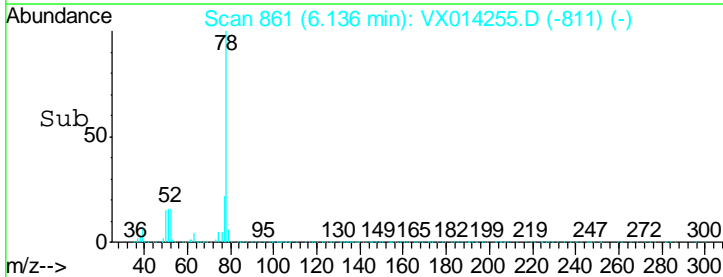
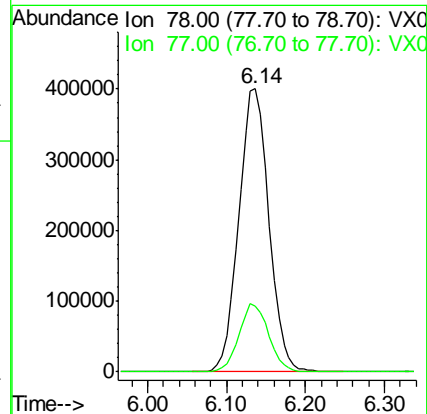
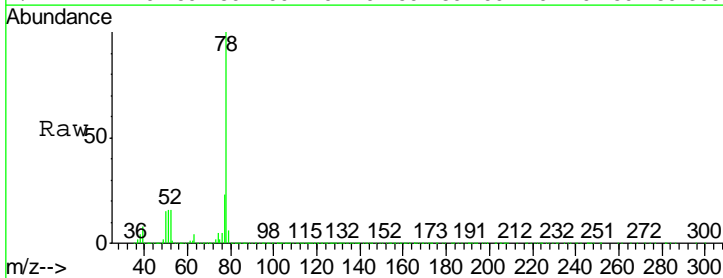
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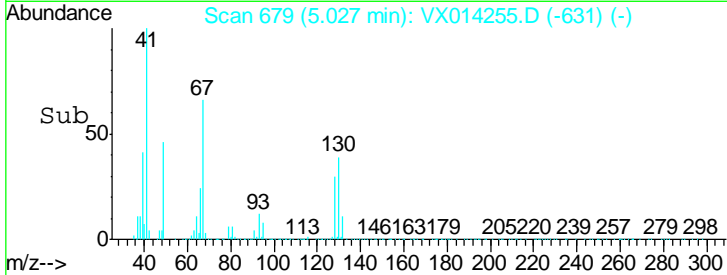
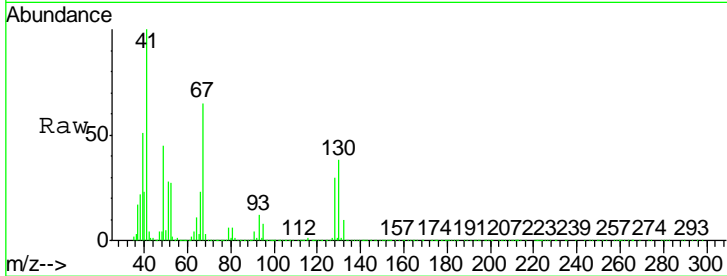
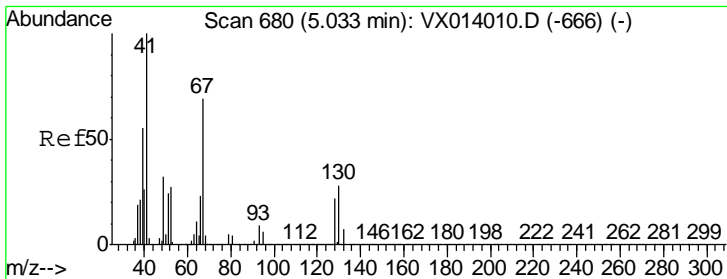
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#40
 Benzene
 Concen: 49.104 ug/l
 RT: 6.14 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

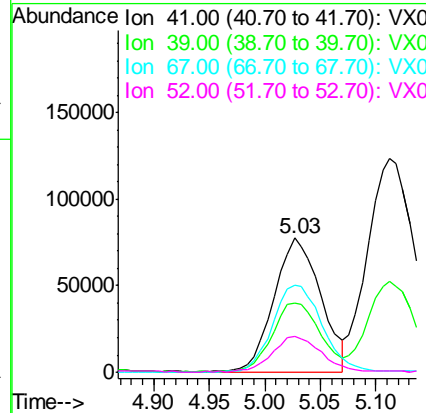
Tgt Ion	Resp	Lower	Upper
78	1062137		
77	23.4	18.8	28.2





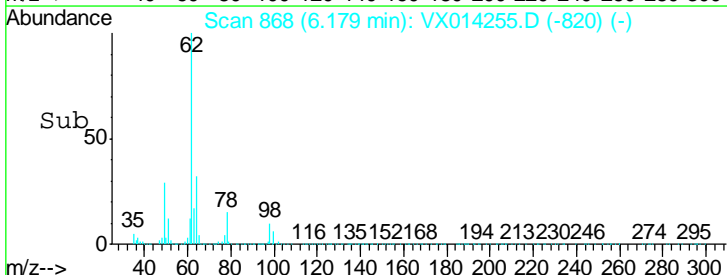
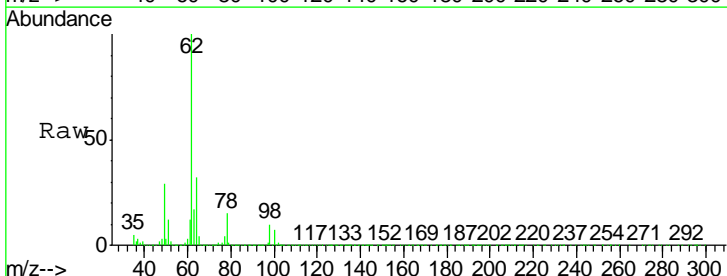
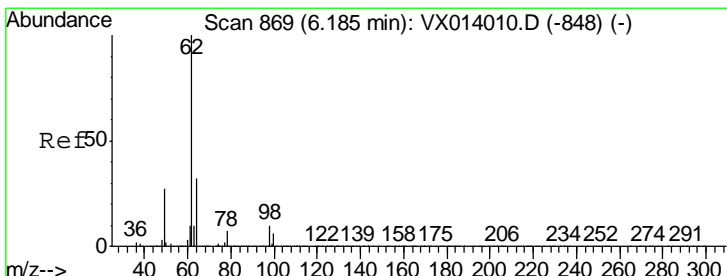
#41
 Methacrylonitrile
 Concen: 52.962 ug/l
 RT: 5.03 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
41	100		
39	51.7	44.5	66.7
67	68.8	57.4	86.0
52	27.4	23.0	34.4



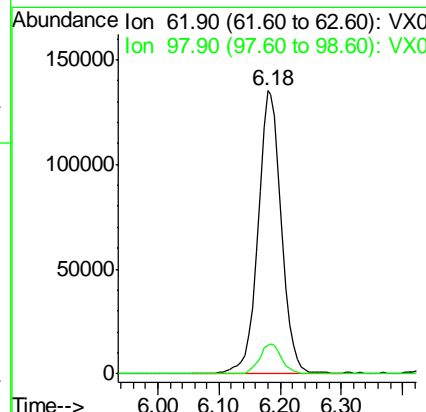
Instrument : MSVOA_X
 ClientSampled : 996-MW-15-(17)MS

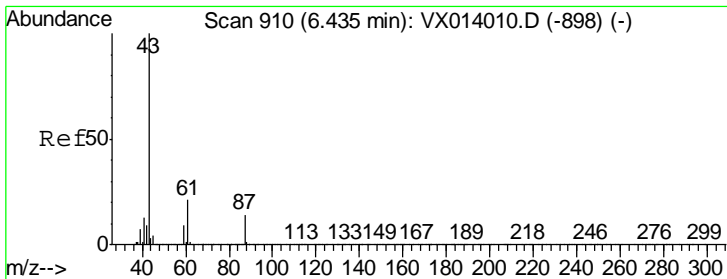
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#42
 1,2-Dichloroethane
 Concen: 49.481 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.2	0.0	21.0



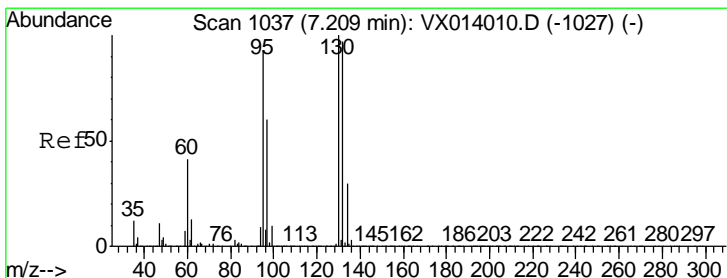
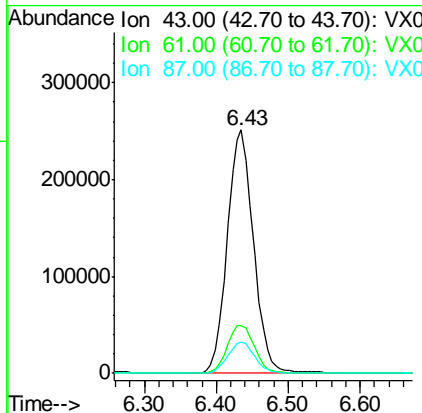
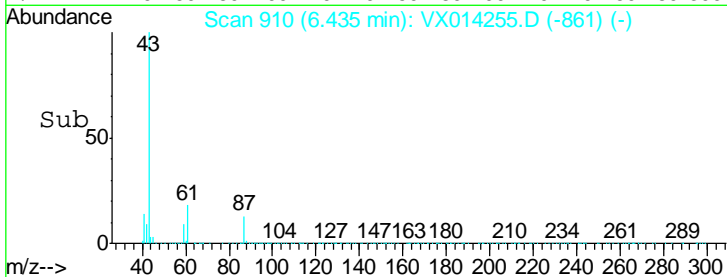
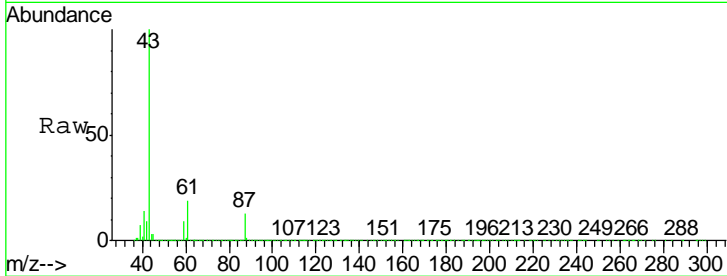


#43
 Isopropyl Acetate
 Concen: 49.098 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.5	16.4	24.6
87	13.0	10.7	16.1

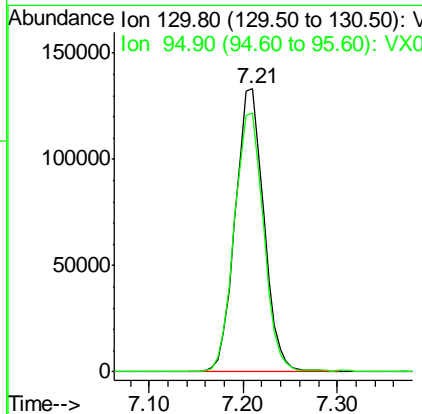
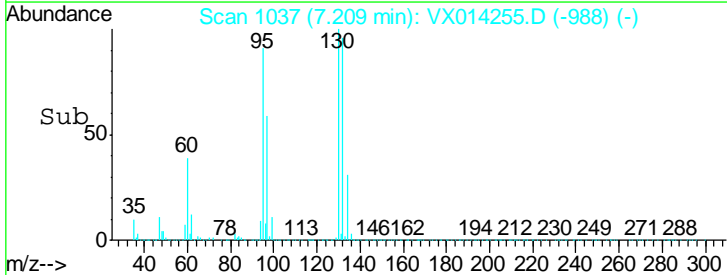
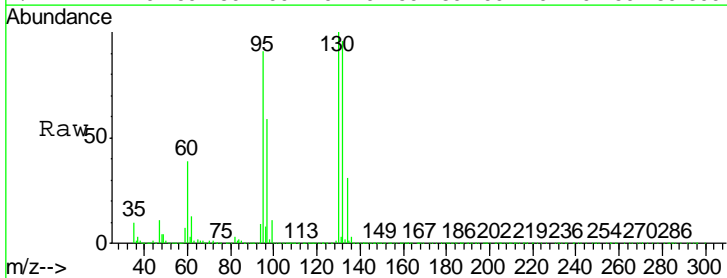
Instrument : MSVOA_X
 ClientSampled : 996-MW-15-(17)MS

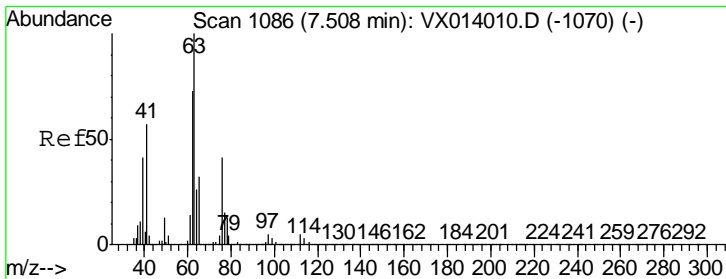
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#44
 Trichloroethene
 Concen: 47.295 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
130	100		
95	91.3	0.0	185.6





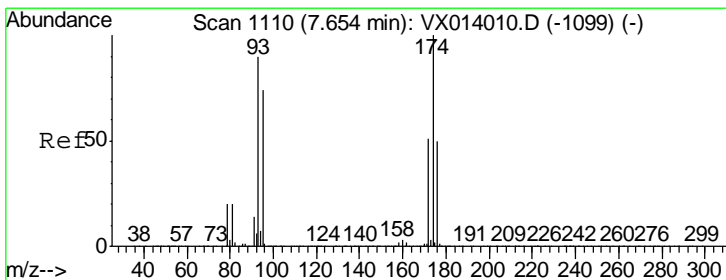
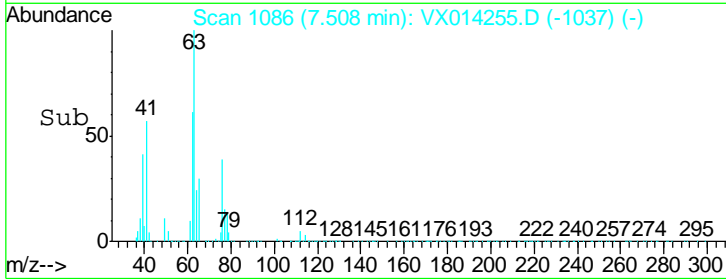
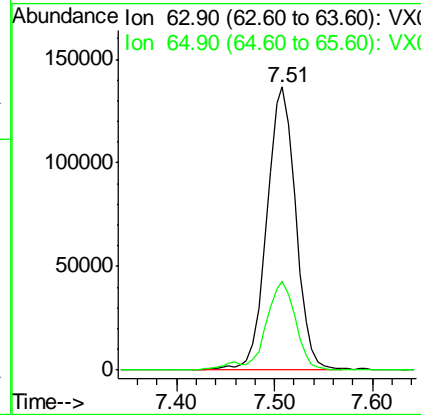
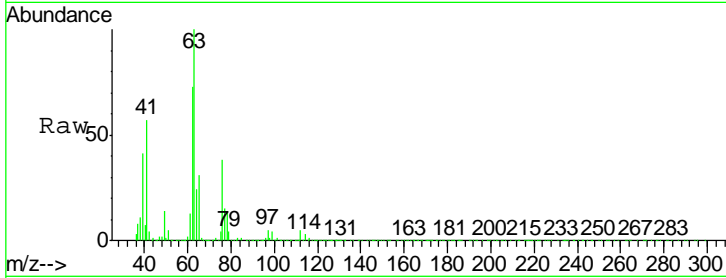
#45
 1,2-Dichloropropane
 Concen: 50.461 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.0	25.8	38.8

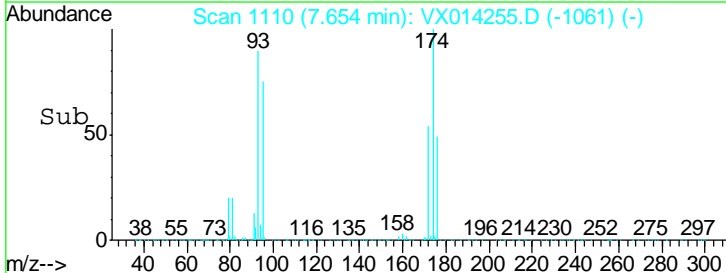
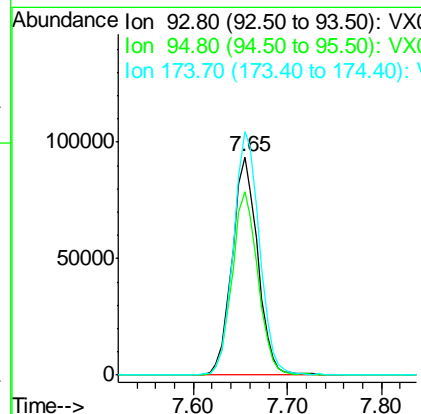
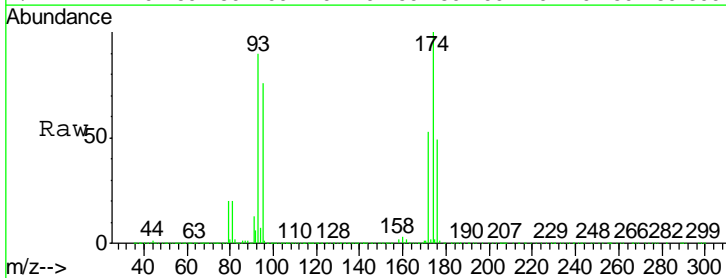
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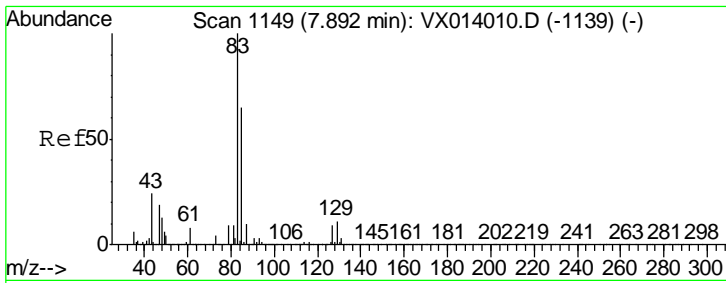
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#46
 Dibromomethane
 Concen: 47.967 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
93	100		
95	85.1	67.3	100.9
174	113.7	91.6	137.4

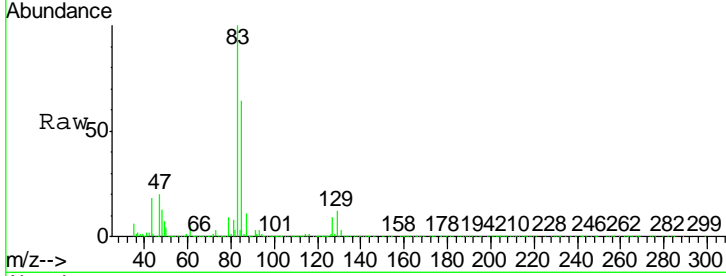




#47

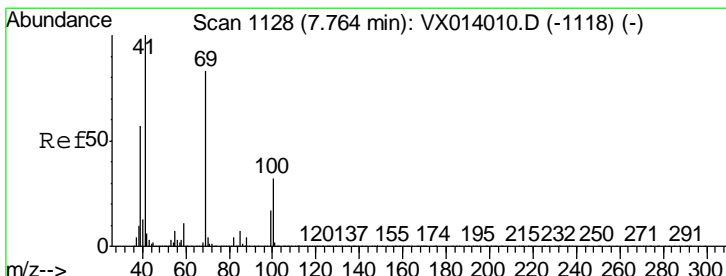
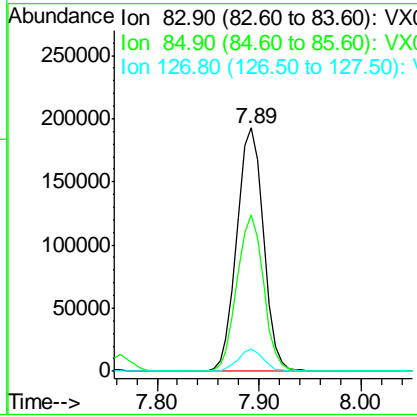
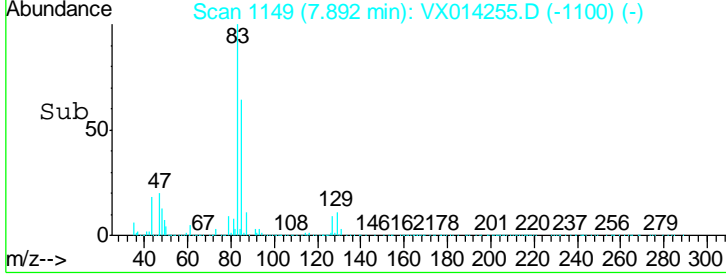
Bromodichloromethane
 Concen: 50.291 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



Tgt Ion	Resp	Lower	Upper
83	100		
85	64.3	51.8	77.8
127	8.9	7.0	10.4

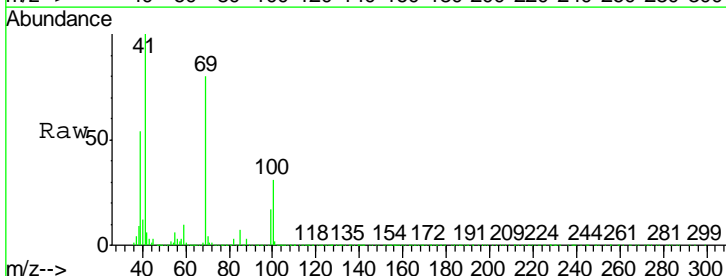
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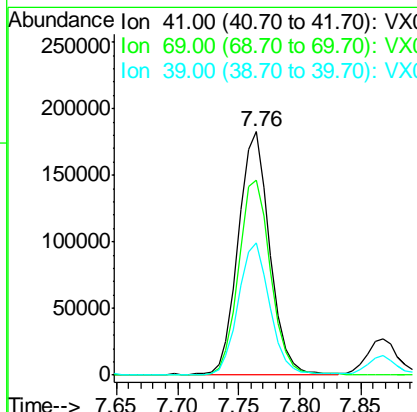
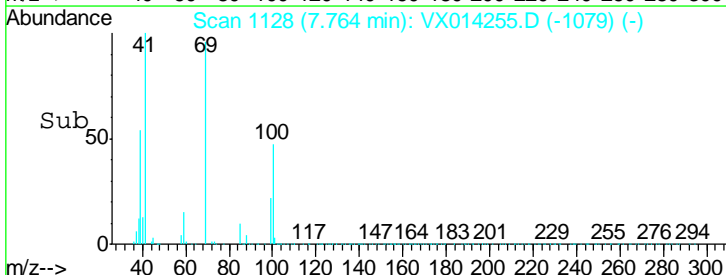
#48

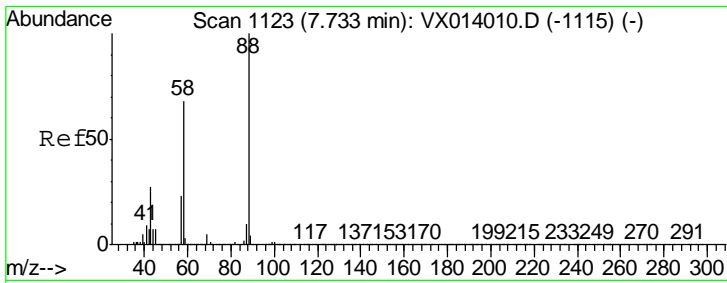
Methyl methacrylate
 Concen: 51.636 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

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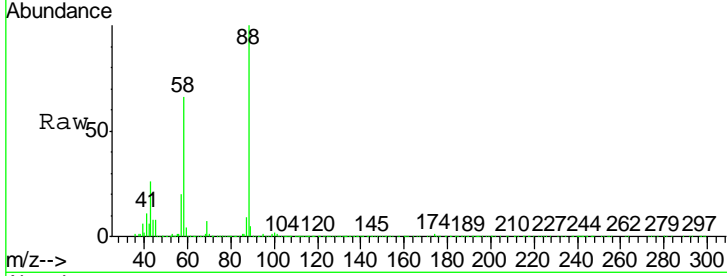
Tgt Ion	Resp	Lower	Upper
41	100		
69	81.6	65.8	98.6
39	54.4	44.6	67.0





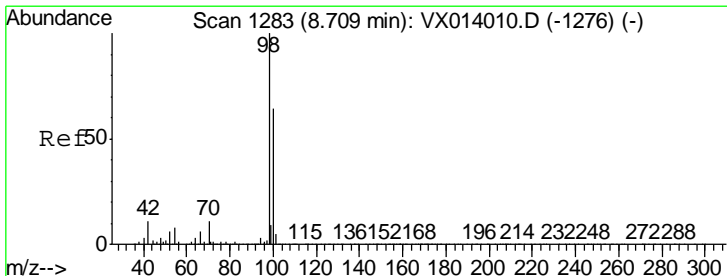
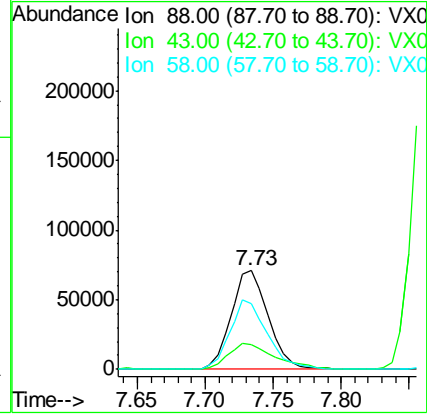
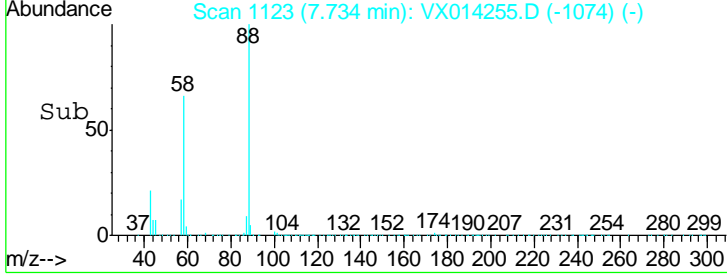
#49
 1,4-Dioxane
 Concen: 1045.142 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



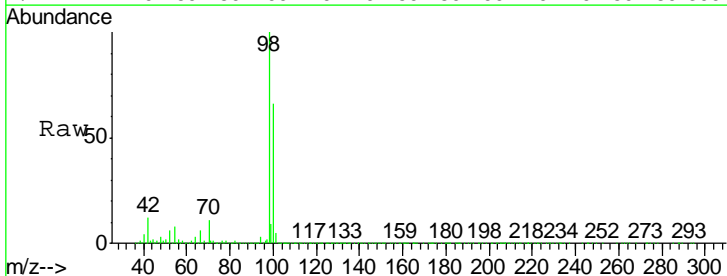
Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.5	39.7
58	71.5	56.8	85.2

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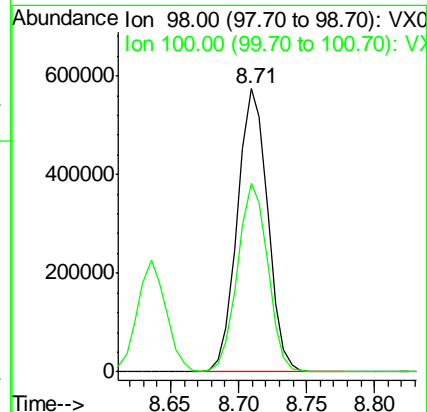
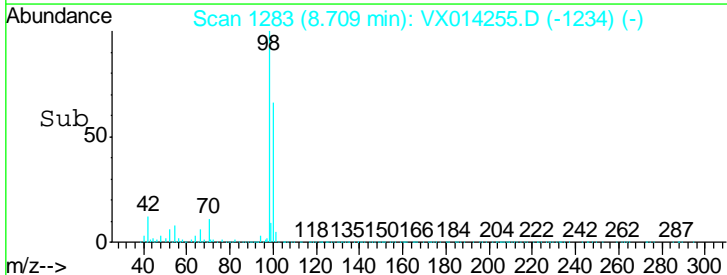


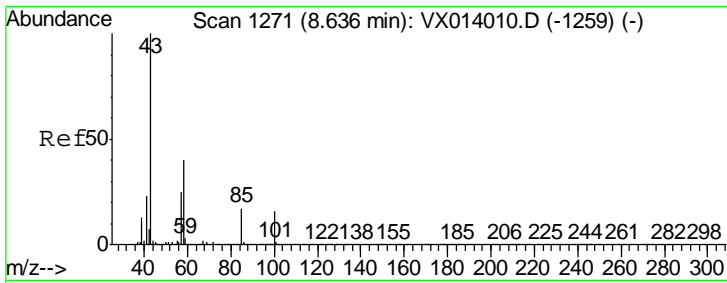
#50
 Toluene-d8
 Concen: 49.156 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

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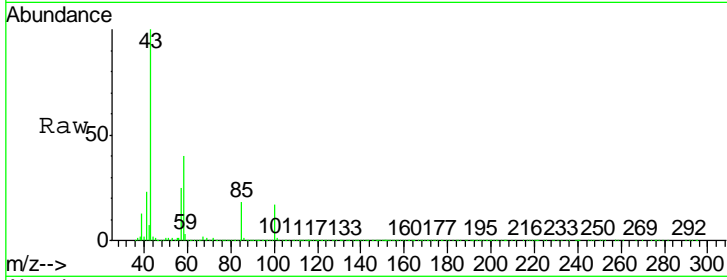
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3





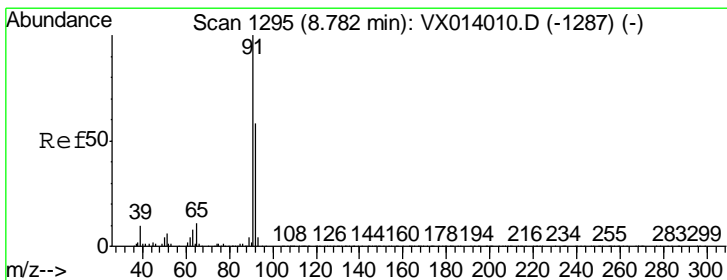
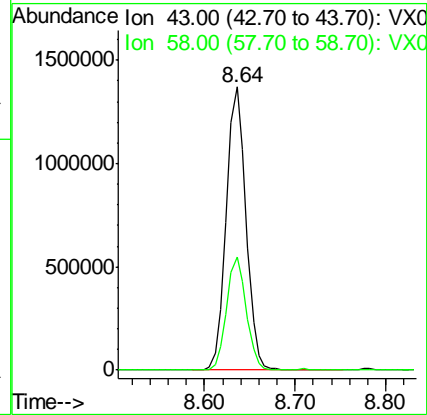
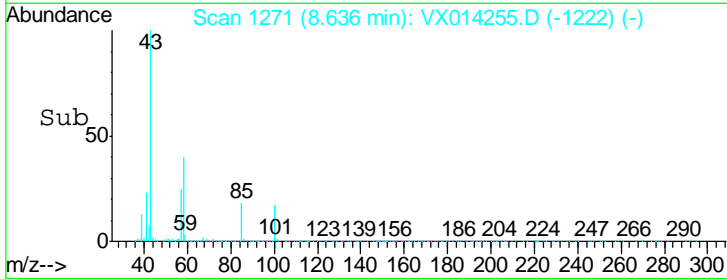
#51
 4-Methyl-2-Pentanone
 Concen: 258.761 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



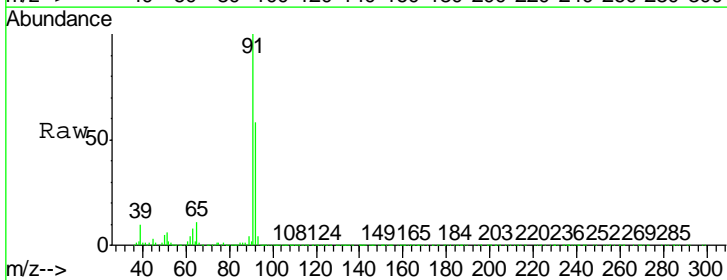
Tgt Ion: 43 Resp: 2087817
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.2 48.2

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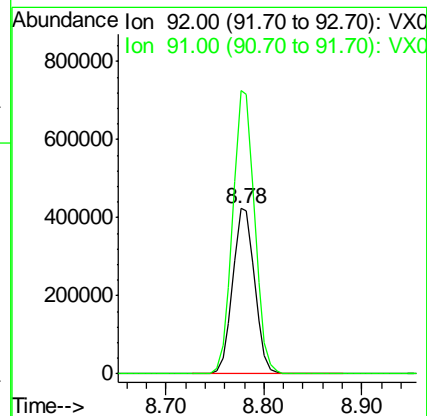
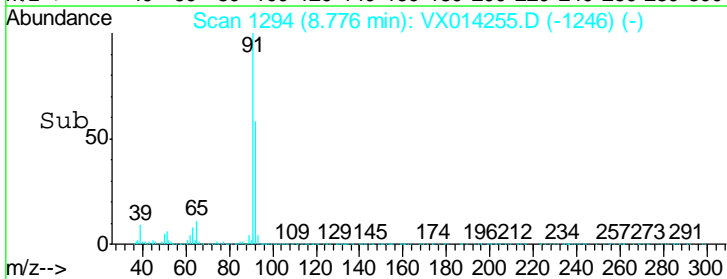


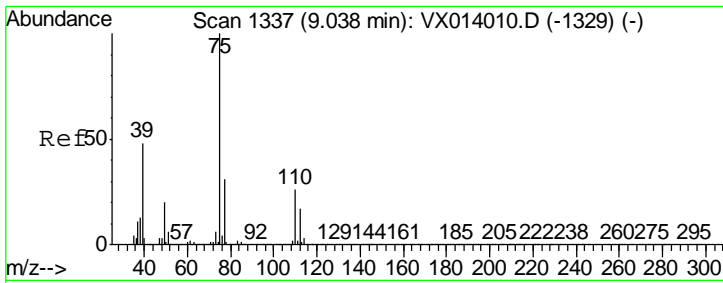
#52
 Toluene
 Concen: 48.171 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



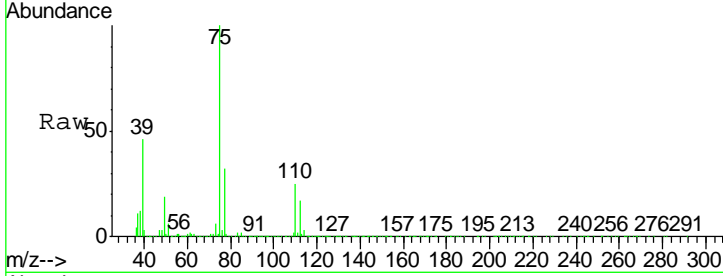
Tgt Ion: 92 Resp: 658593
 Ion Ratio Lower Upper
 92 100
 91 171.2 136.2 204.4





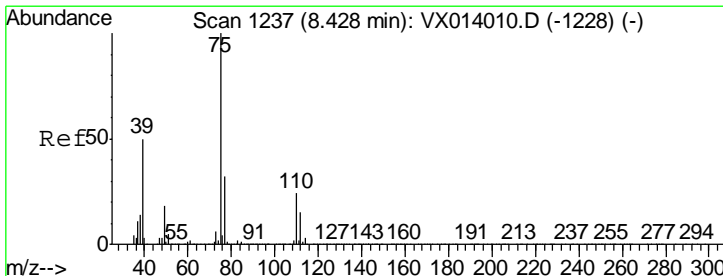
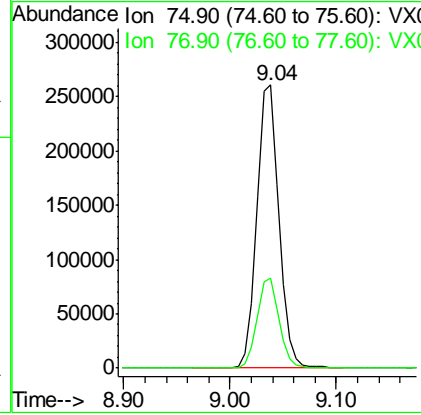
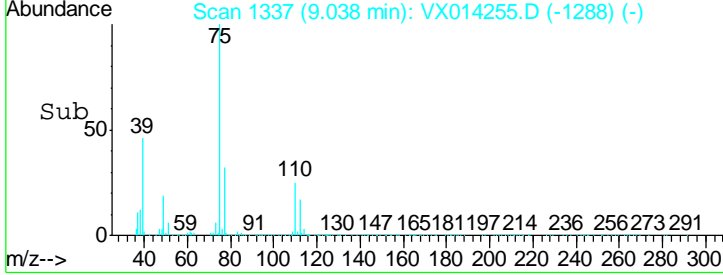
#53
 t-1,3-Dichloropropene
 Concen: 50.141 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

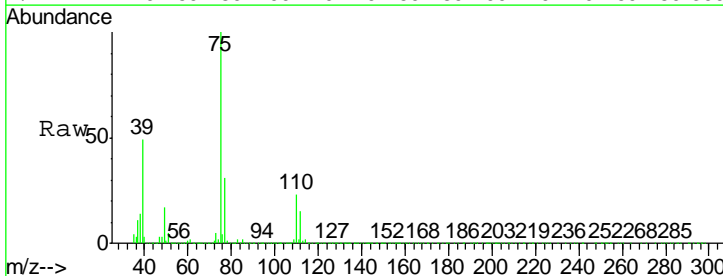


Tgt Ion: 75 Resp: 379547
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7

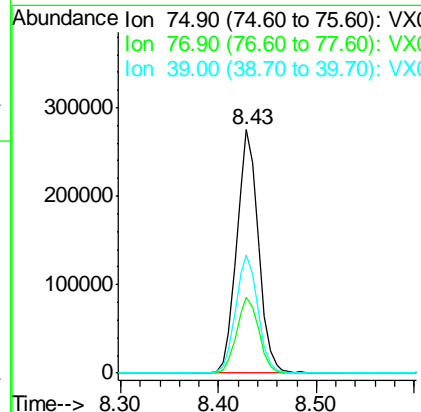
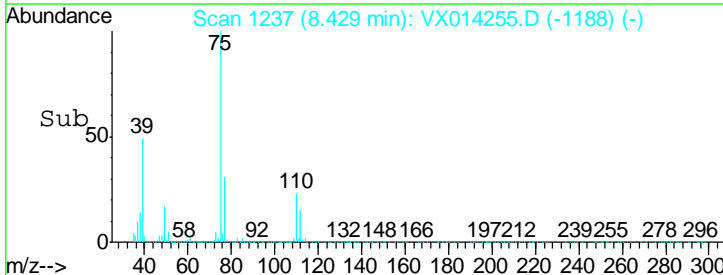
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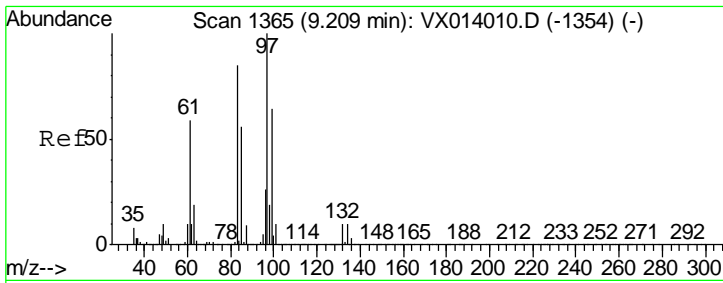


#54
 cis-1,3-Dichloropropene
 Concen: 49.887 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



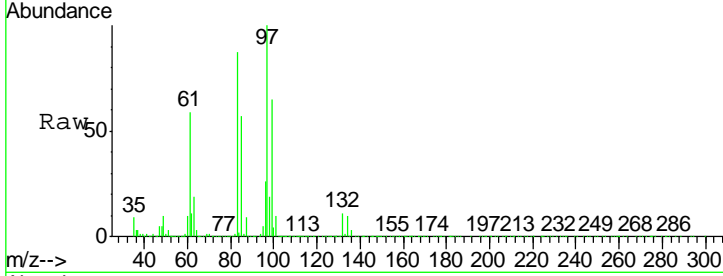
Tgt Ion: 75 Resp: 420700
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9
 39 48.5 39.9 59.9





#55
 1,1,2-Trichloroethane
 Concen: 49.646 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

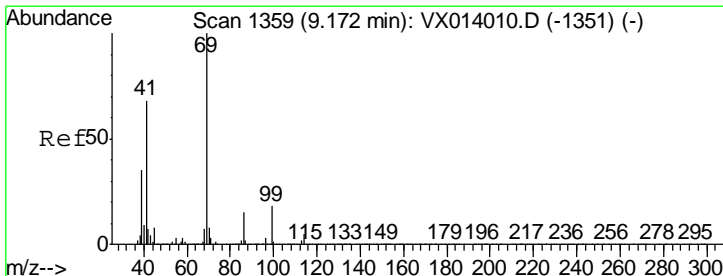
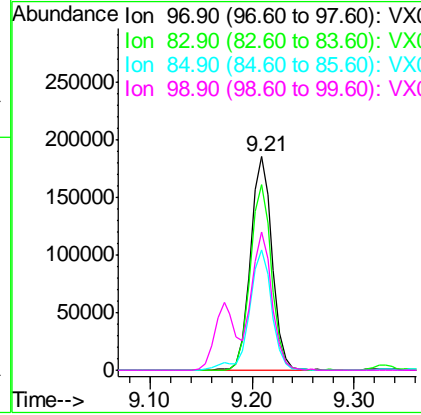
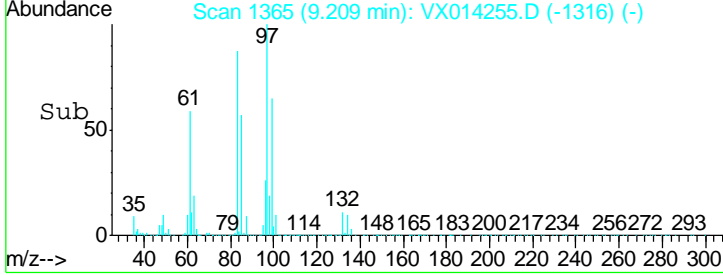
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



Tgt Ion: 97 Resp: 272040

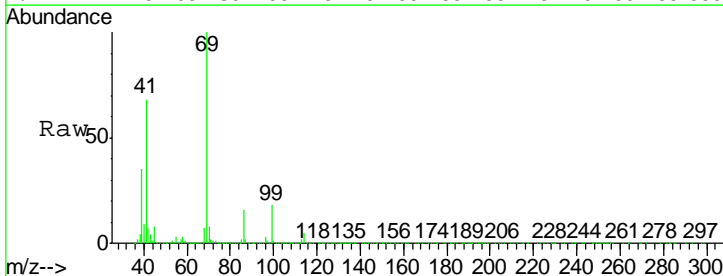
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.2	102.4
85	56.6	44.6	66.8
99	64.7	51.4	77.0

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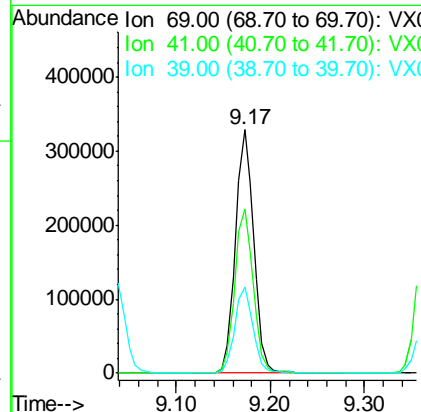
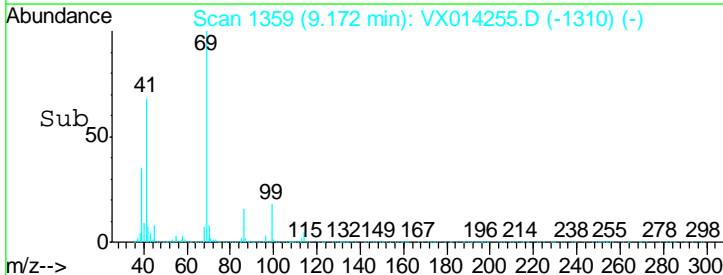
#56
 Ethyl methacrylate
 Concen: 51.486 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

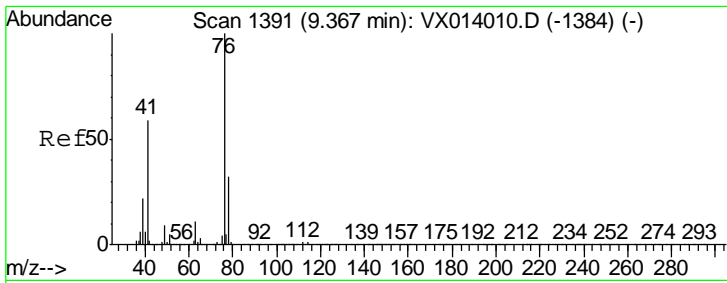
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



Tgt Ion: 69 Resp: 443164

Ion	Ratio	Lower	Upper
69	100		
41	67.7	54.8	82.2
39	35.3	28.3	42.5





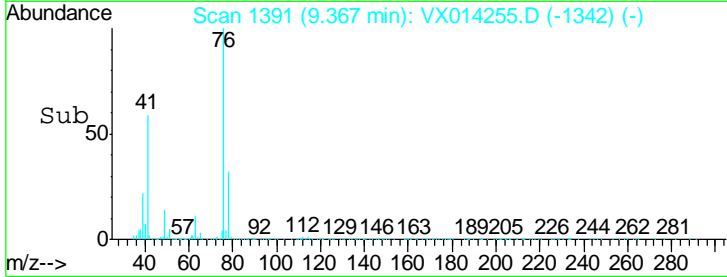
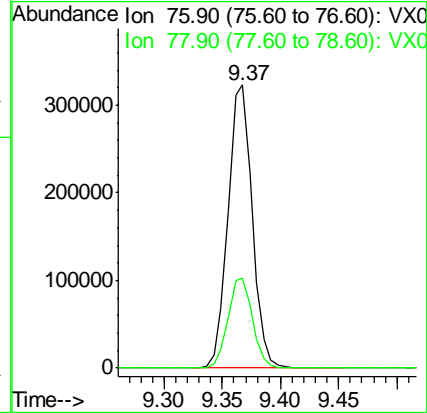
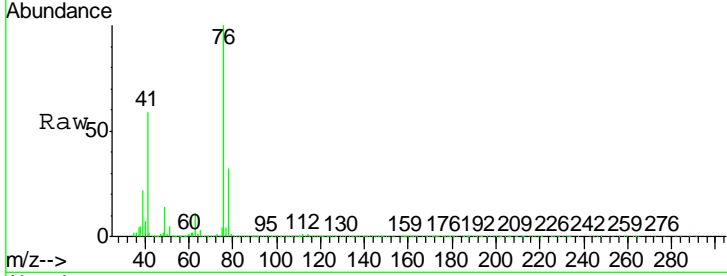
#57
 1,3-Dichloropropane
 Concen: 50.345 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 ClientSampled : 996-MW-15-(17)MS

Tgt Ion	Resp	Lower	Upper
76	464151		
76	100		
78	32.1	25.8	38.6

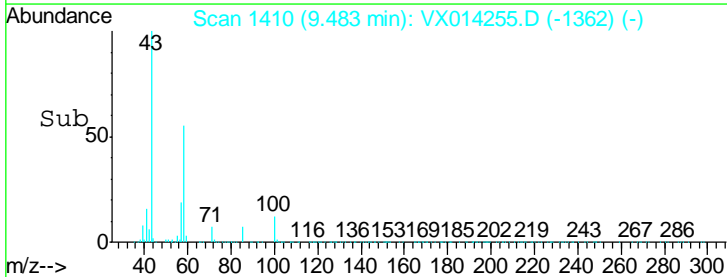
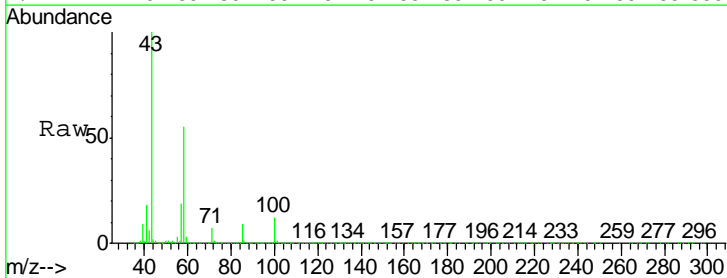
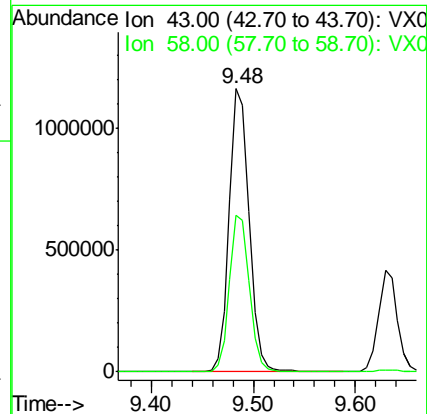
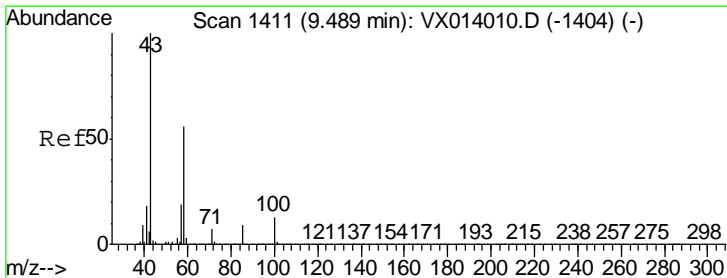
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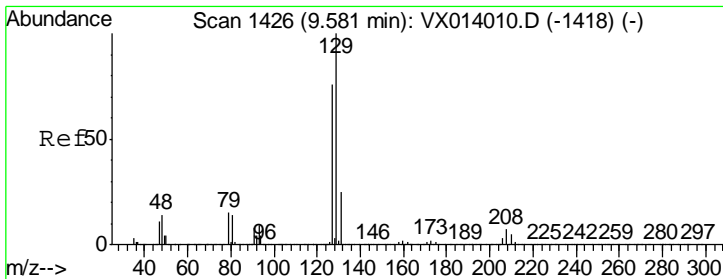
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#59
 2-Hexanone
 Concen: 243.139 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
43	1579226		
43	100		
58	55.5	28.0	84.0





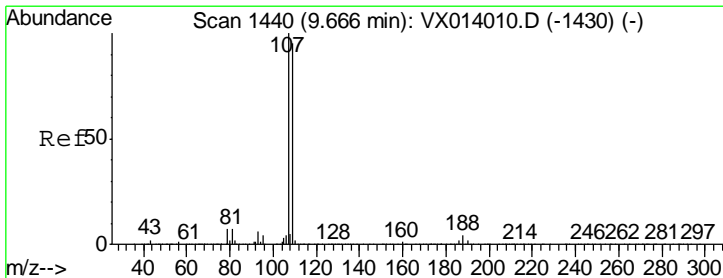
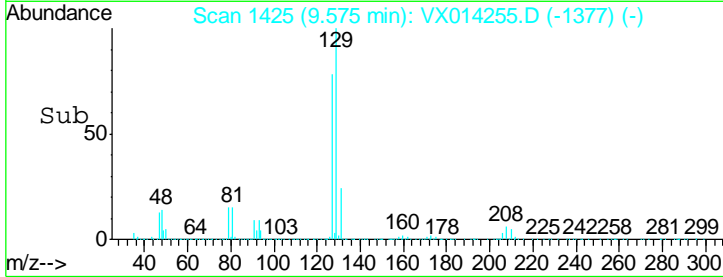
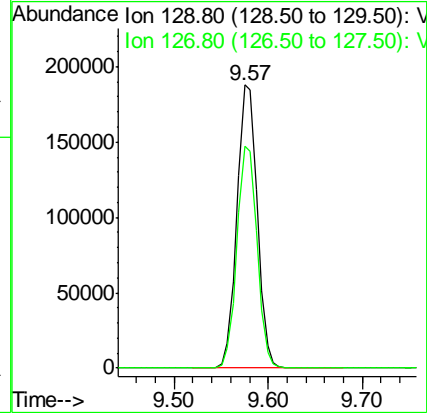
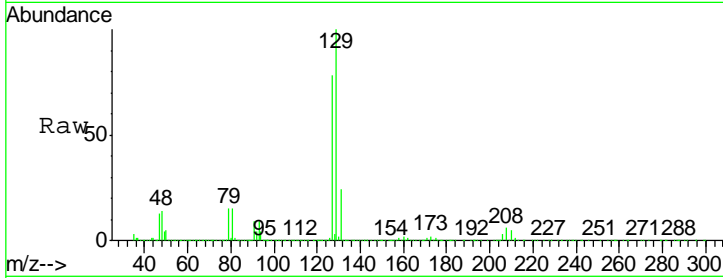
#60
 Dibromochloromethane
 Concen: 51.741 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion	Resp	Lower	Upper
129	281823		
127	77.4	38.4	115.2

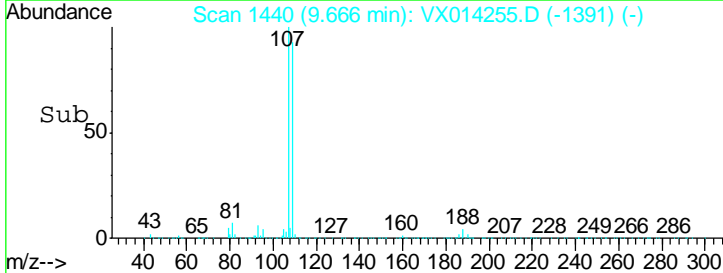
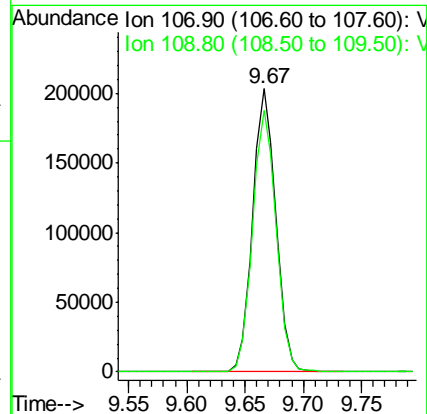
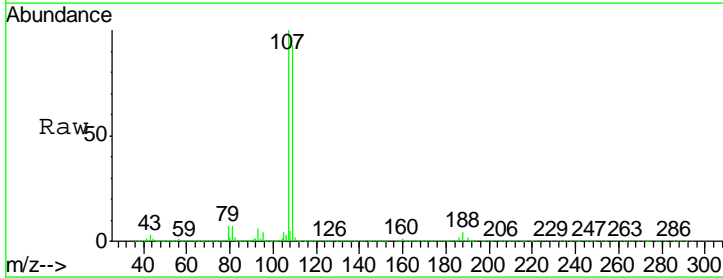
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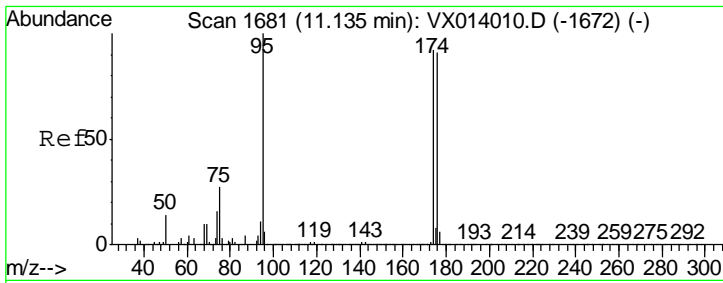
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#61
 1,2-Dibromoethane
 Concen: 50.488 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
107	283060		
109	94.4	75.7	113.5



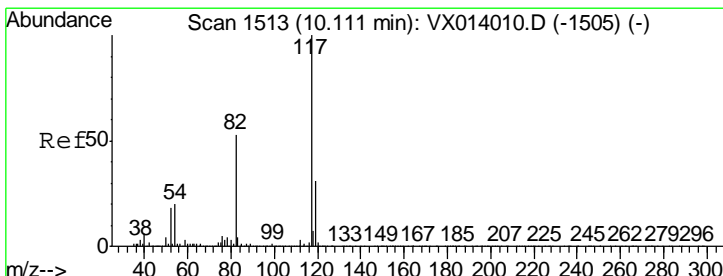
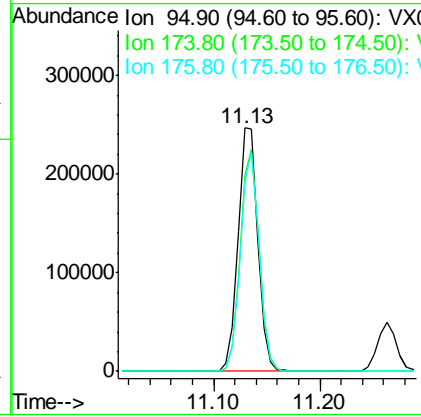
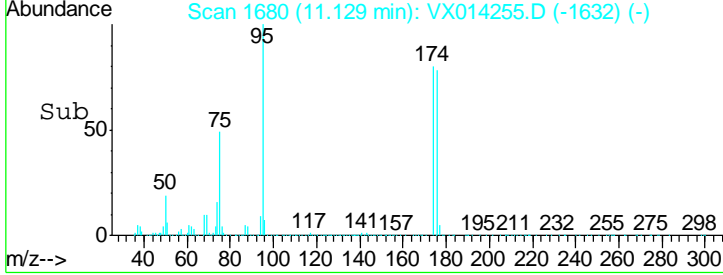
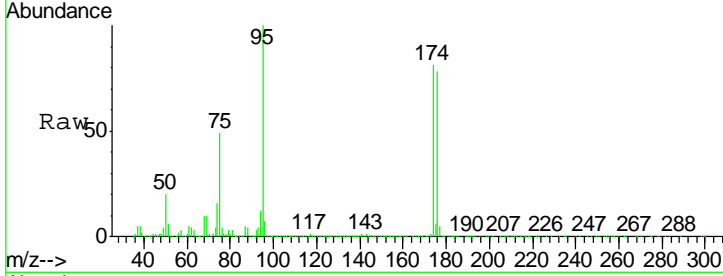


#62
 4-Bromofluorobenzene
 Concen: 48.334 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

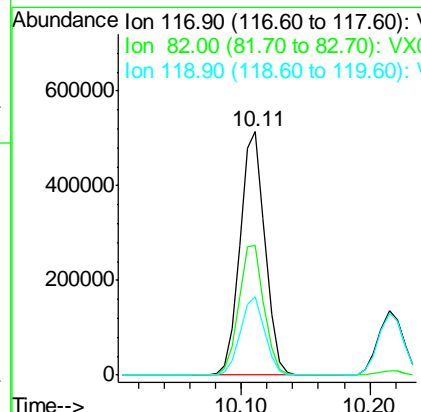
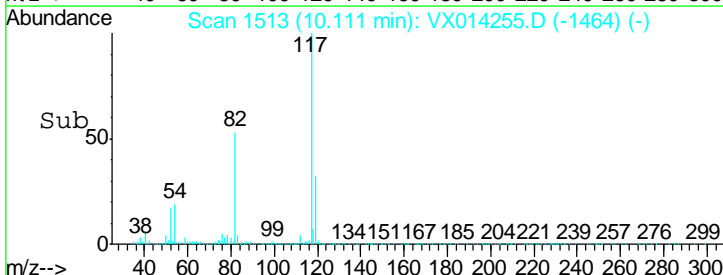
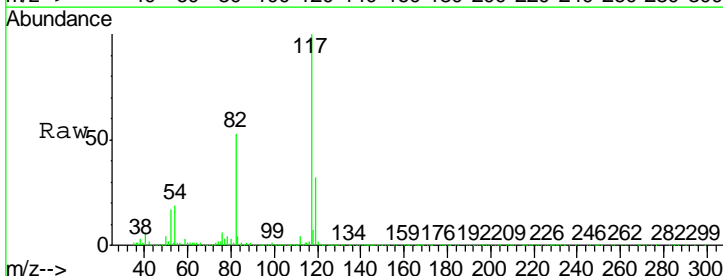
Tgt Ion	Resp	Lower	Upper
95	320373		
95	100		
174	87.9	0.0	175.8
176	85.7	0.0	173.0

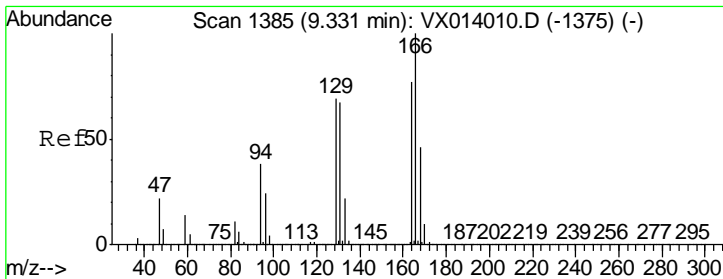
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
117	688774		
117	100		
82	53.0	42.2	63.4
119	32.4	25.1	37.7

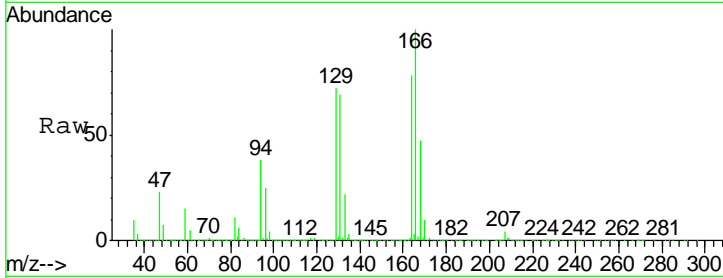




#64

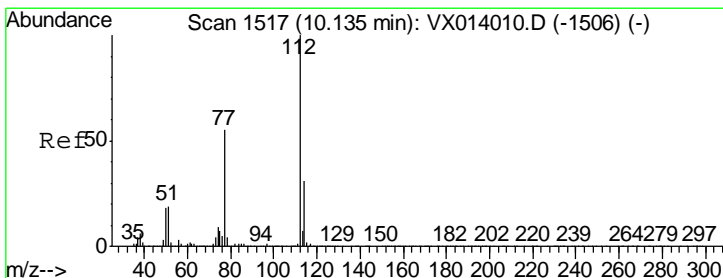
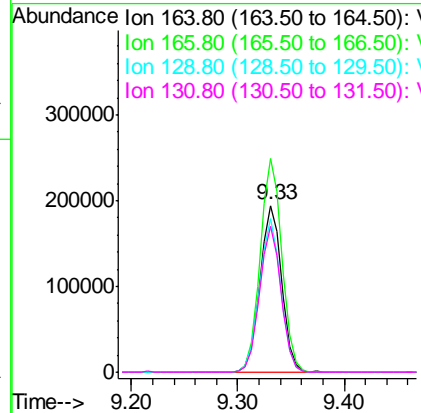
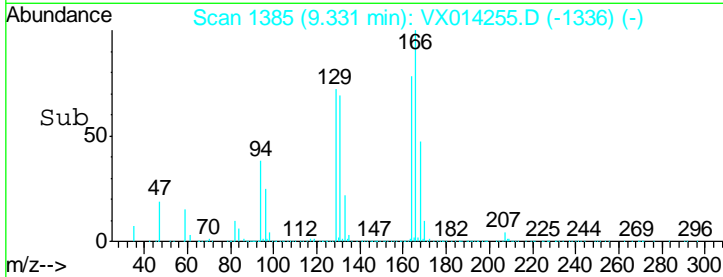
Tetrachloroethene
 Concen: 45.695 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



Tgt Ion	Resp	Lower	Upper
164	100		
166	128.2	104.0	156.0
129	92.1	72.2	108.4
131	87.8	69.6	104.4

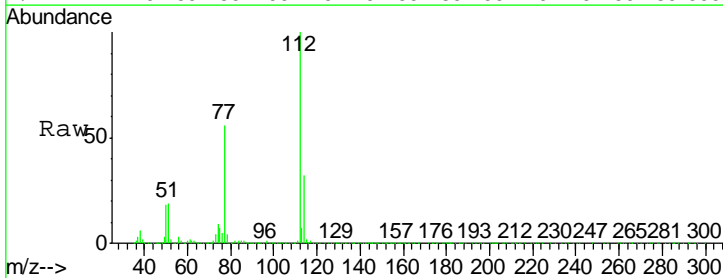
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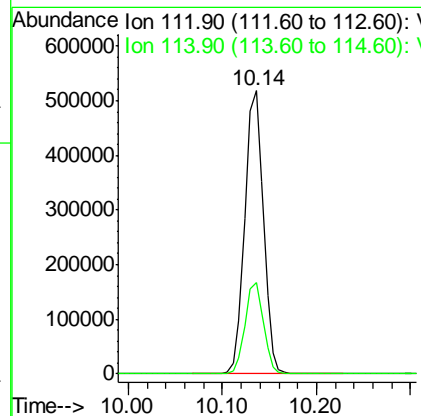
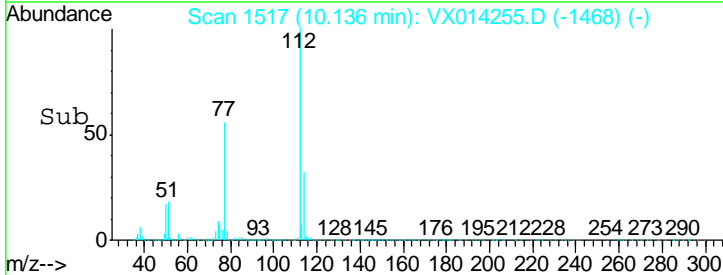
#65

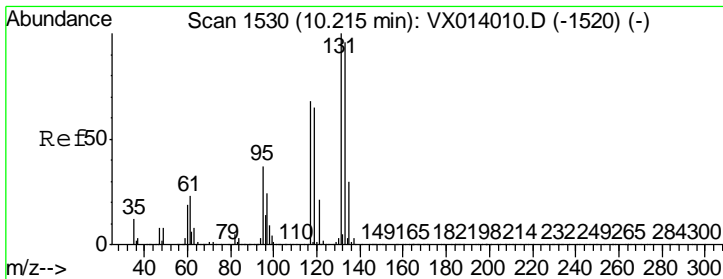
Chlorobenzene
 Concen: 48.813 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

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Tgt Ion	Resp	Lower	Upper
112	100		
114	32.2	24.9	37.3





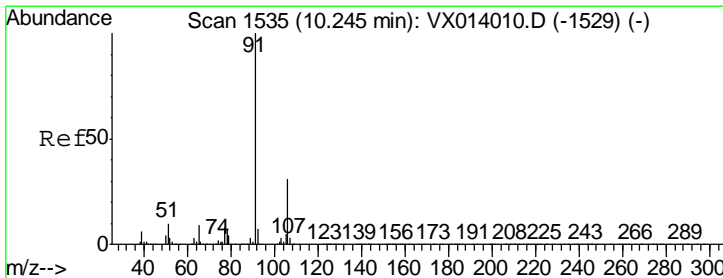
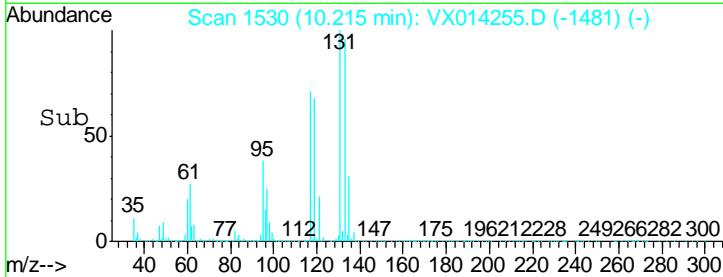
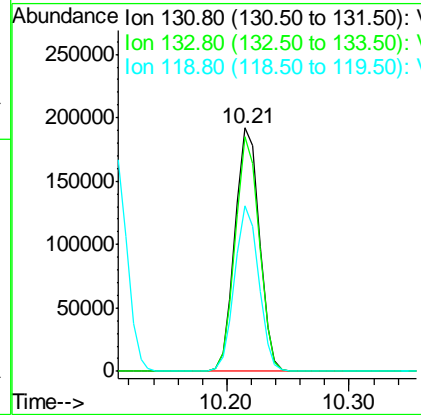
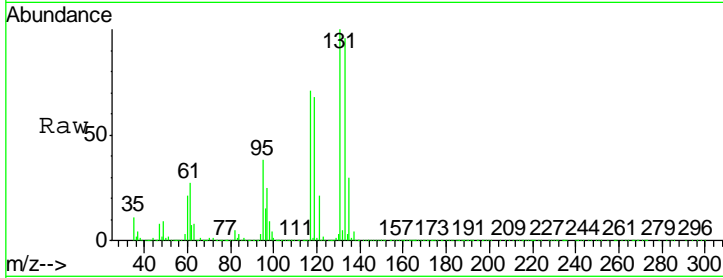
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.393 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.5	48.0	144.0
119	67.0	33.4	100.2

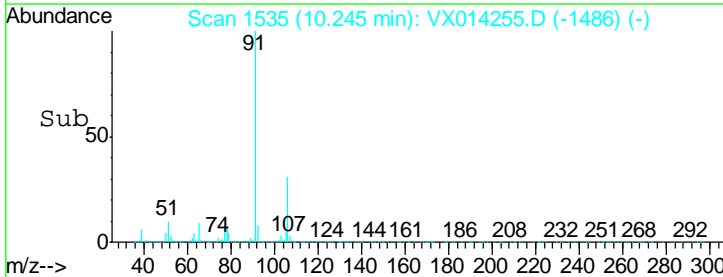
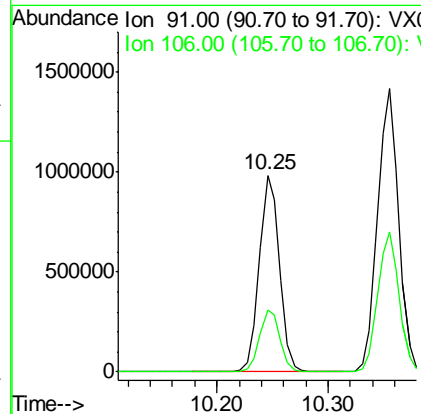
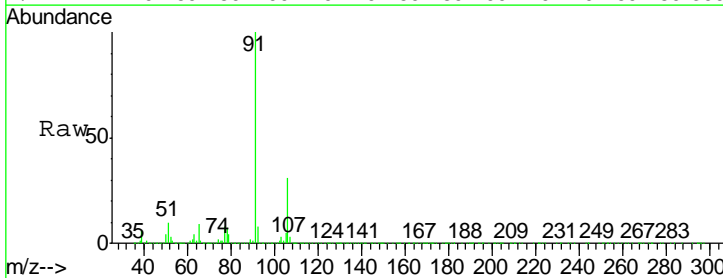
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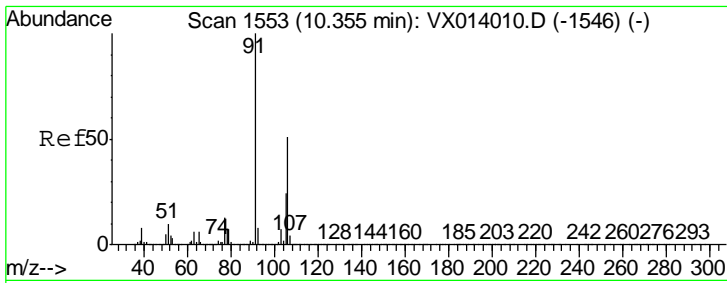
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#67
 Ethyl Benzene
 Concen: 49.461 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.4	25.0	37.6





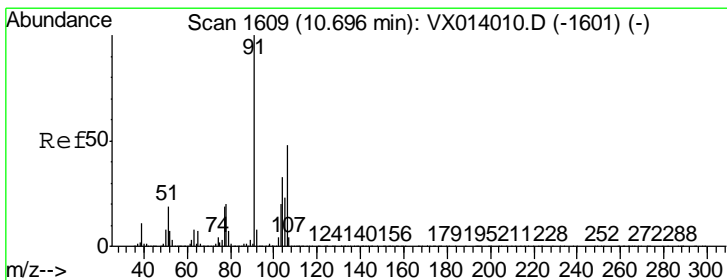
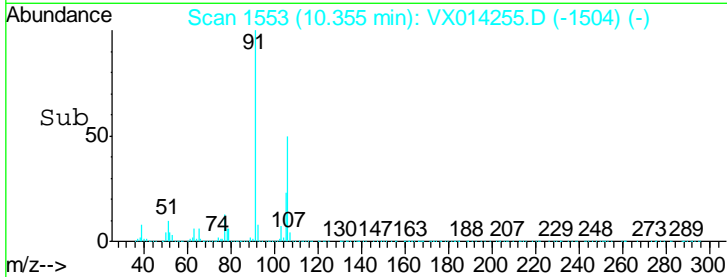
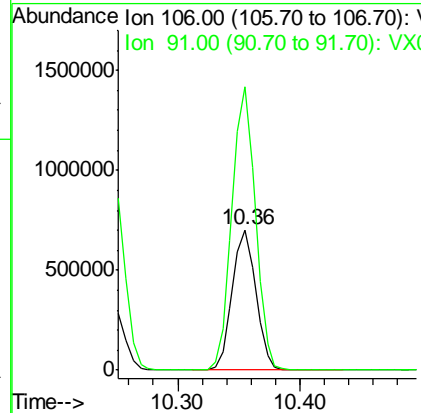
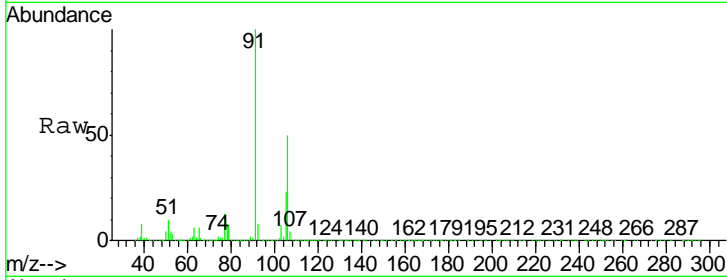
#68
 m/p-Xylenes
 Concen: 97.071 ug/l
 RT: 10.36 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.1	158.6	238.0

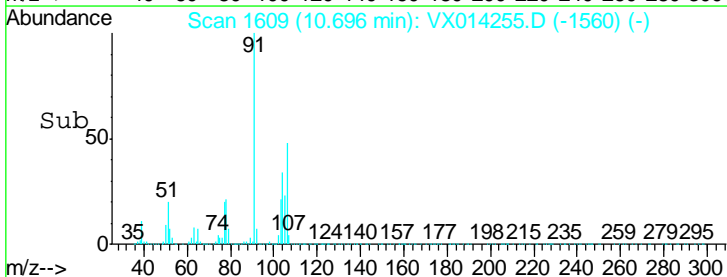
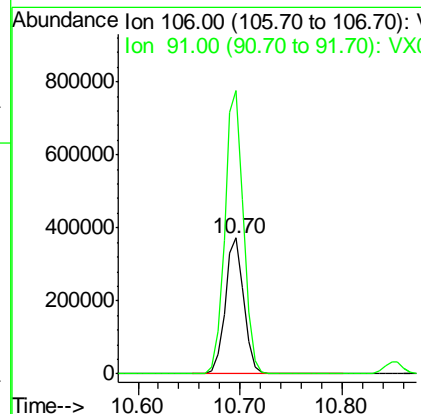
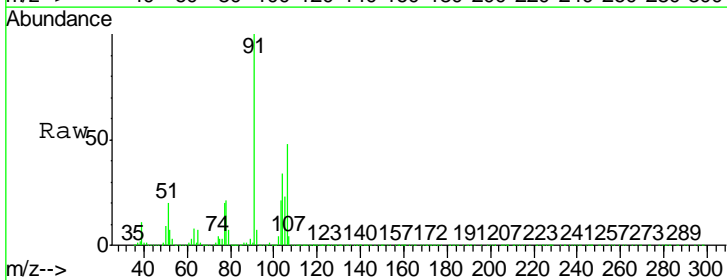
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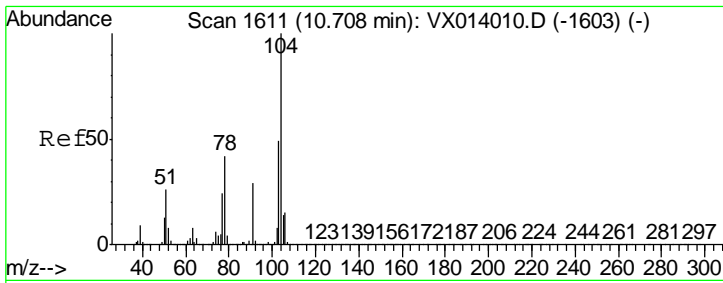
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#69
 o-Xylene
 Concen: 49.218 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.4	104.2	312.6





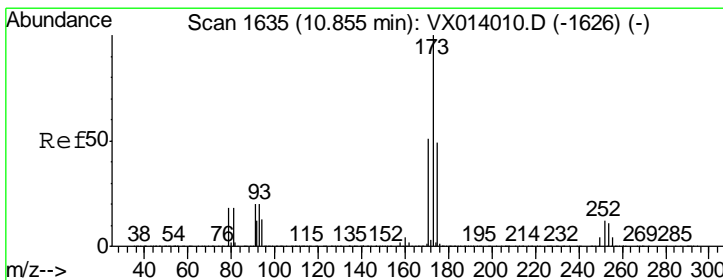
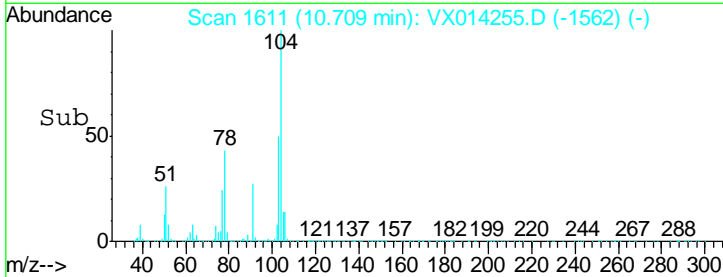
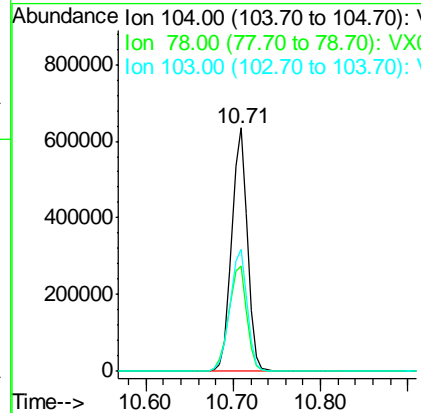
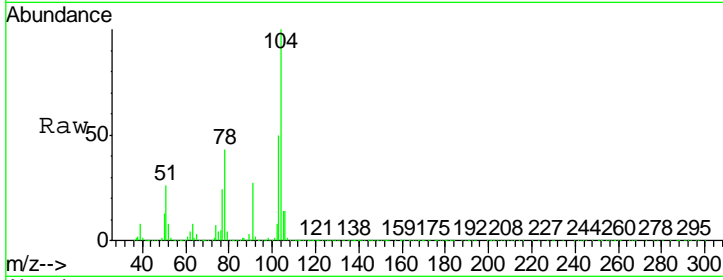
#70
 Styrene
 Concen: 49.253 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion	Resp	Lower	Upper
104	791013		
78	49.0	38.5	57.7
103	54.7	42.9	64.3

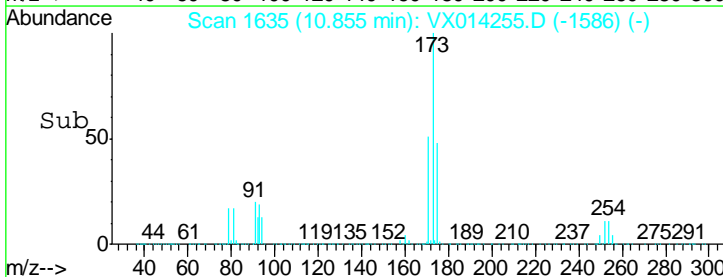
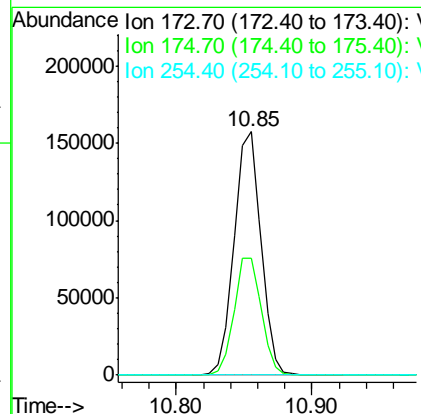
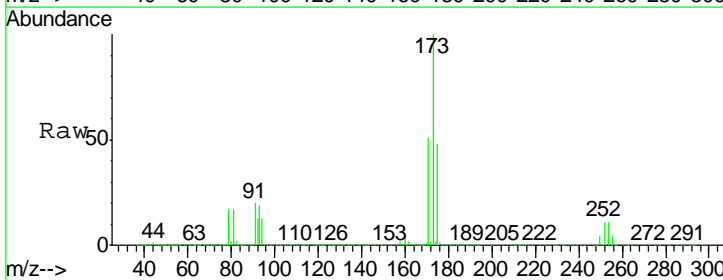
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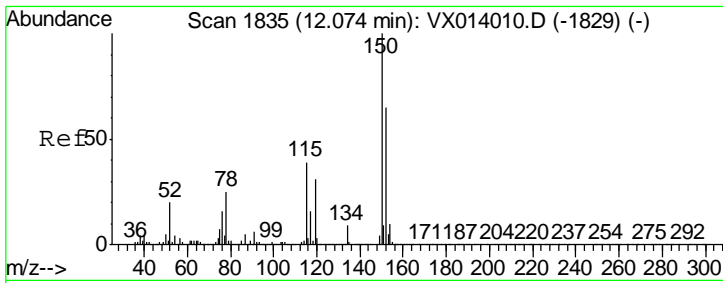
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#71
 Bromoform
 Concen: 51.435 ug/l
 RT: 10.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

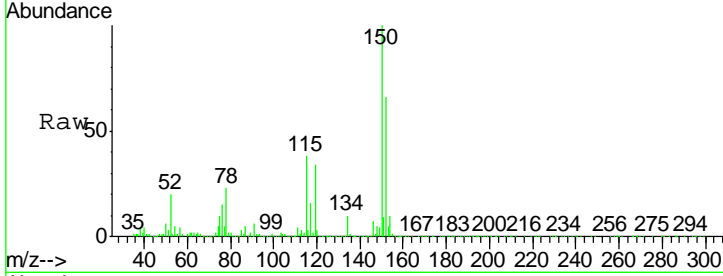
Tgt Ion	Resp	Lower	Upper
173	216196		
175	48.7	24.4	73.4
254	0.2	0.2	0.2





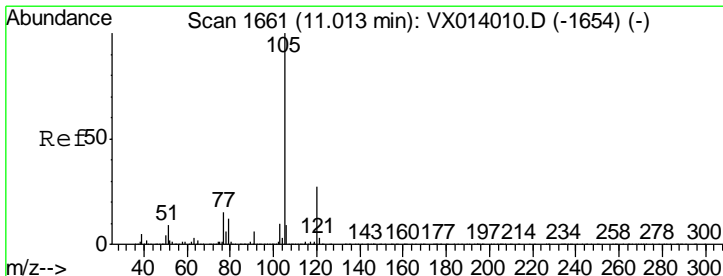
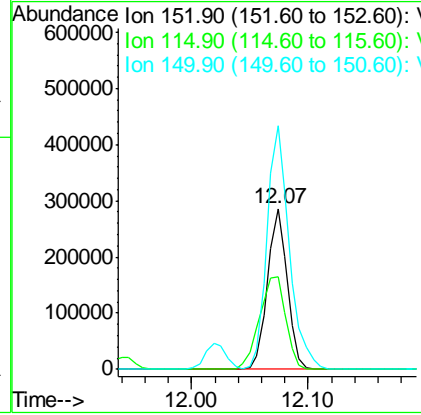
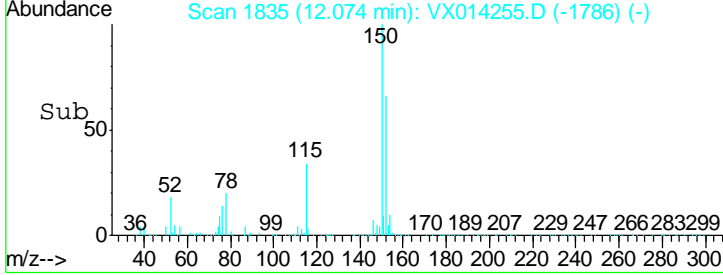
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

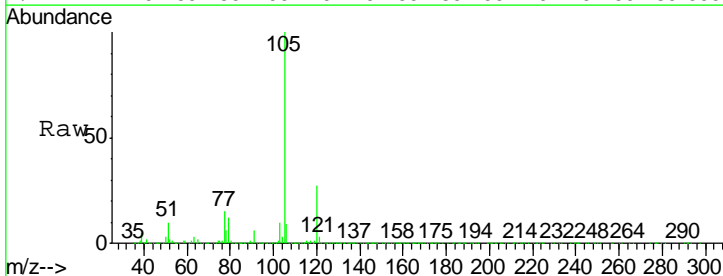


Tgt Ion	Resp	Lower	Upper
152	338475		
152	100		
115	76.4	38.3	114.9
150	171.2	0.0	345.4

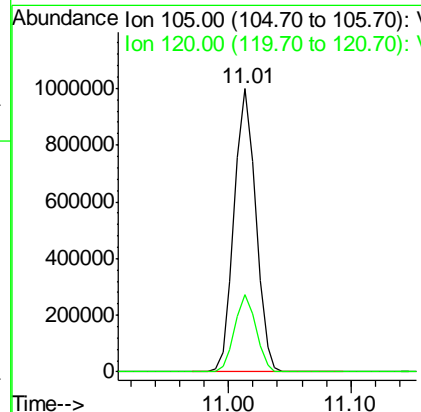
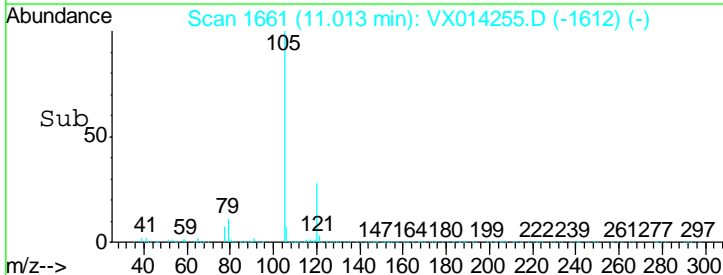
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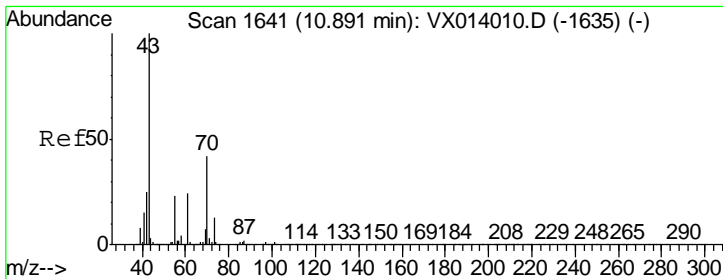


#73
 Isopropylbenzene
 Concen: 50.960 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



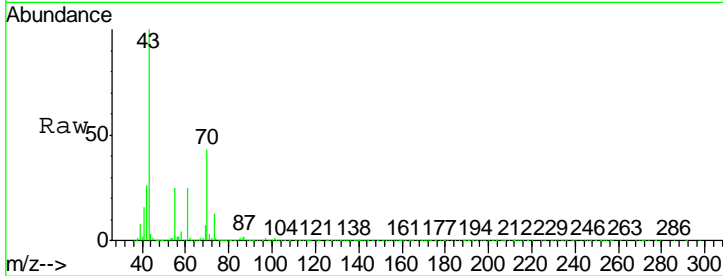
Tgt Ion	Resp	Lower	Upper
105	1214432		
105	100		
120	26.9	13.5	40.4





#74
 N-amyl acetate
 Concen: 47.993 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

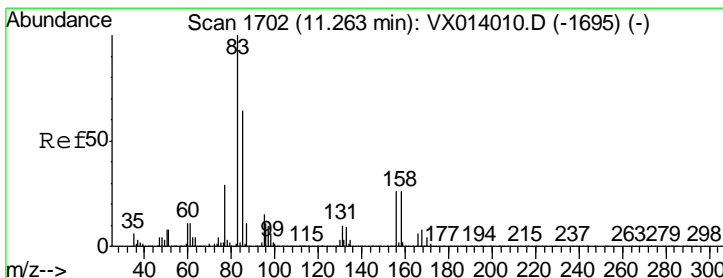
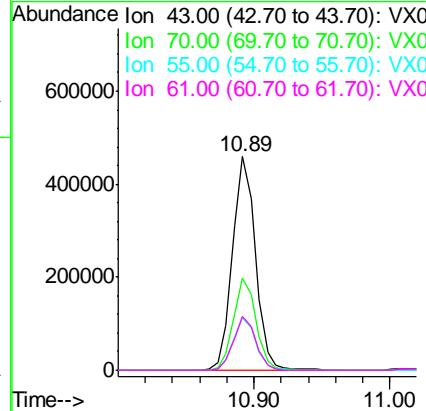
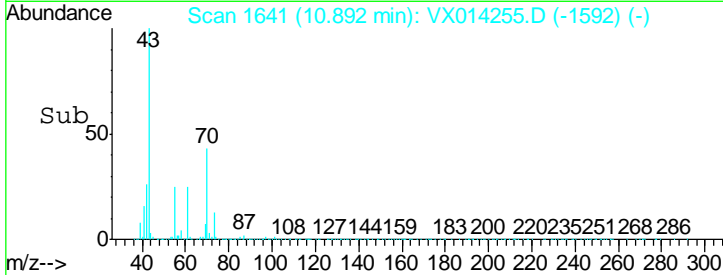
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



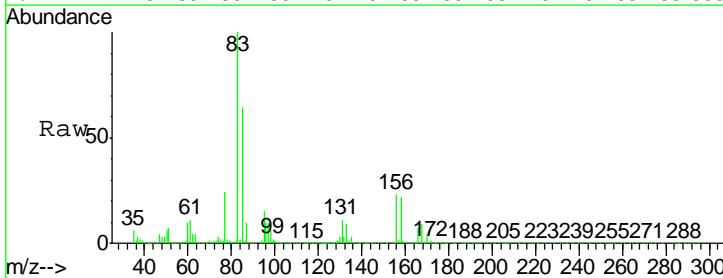
Tgt Ion: 43 Resp: 536115

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.4	51.6
55	24.6	19.1	28.7
61	24.8	19.7	29.5

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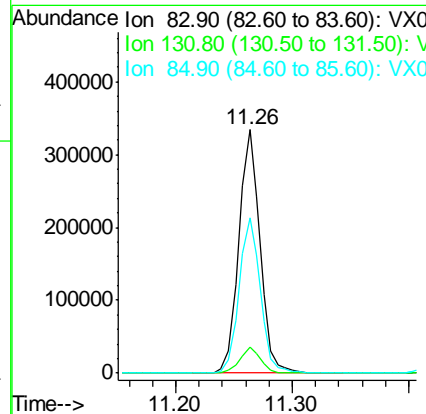
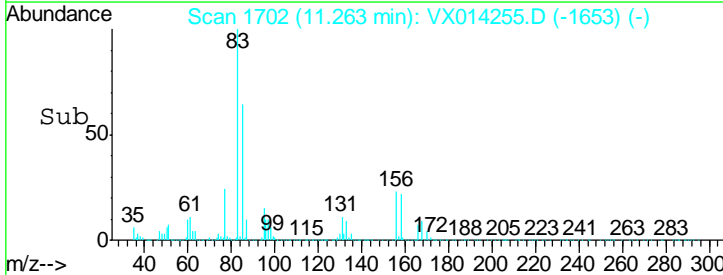


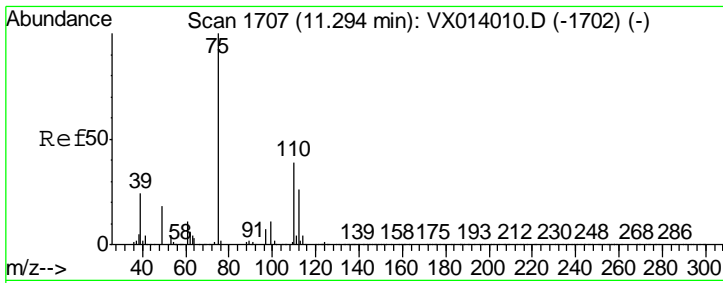
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.279 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



Tgt Ion: 83 Resp: 423668

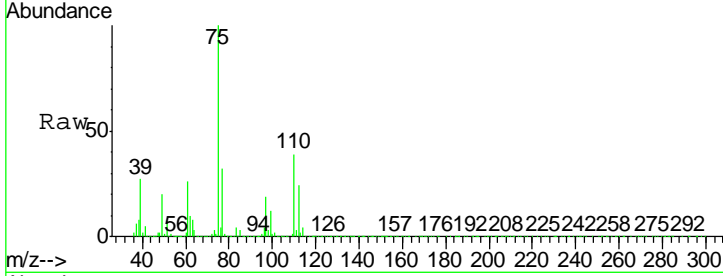
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.2
85	64.0	31.9	95.7





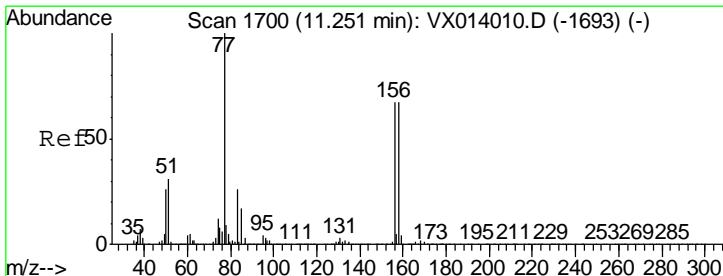
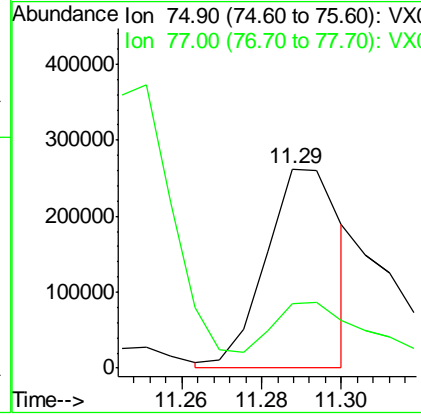
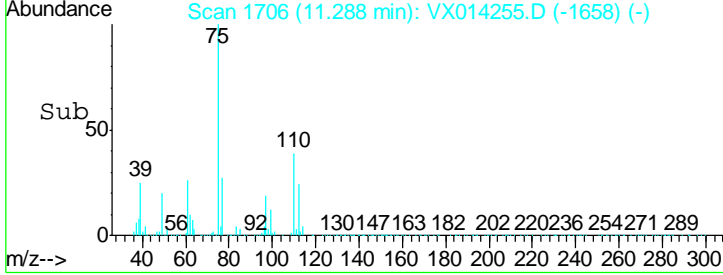
#76
 1,2,3-Trichloropropane
 Concen: 46.252 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

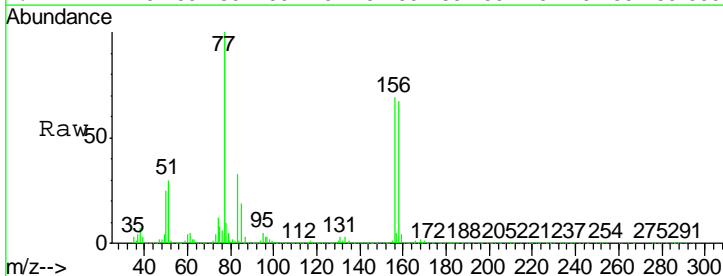


Tgt Ion: 75 Resp: 339868
 Ion Ratio Lower Upper
 75 100
 77 43.9 19.3 57.8

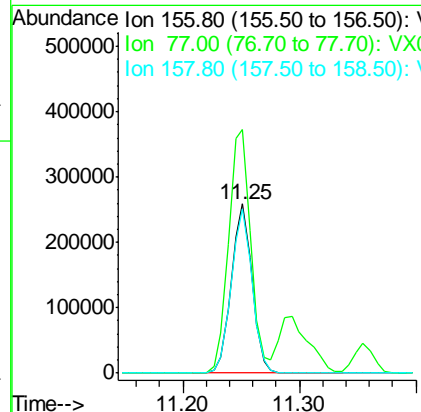
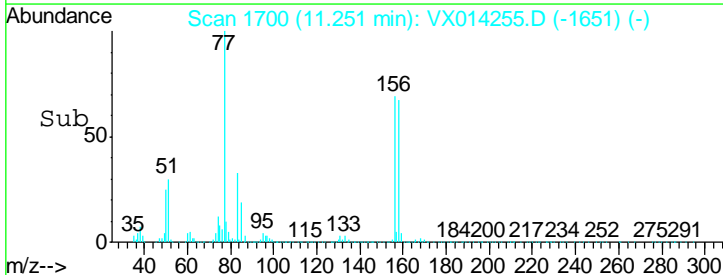
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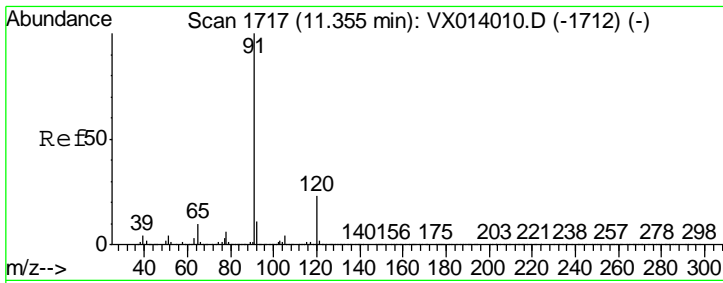


#77
 Bromobenzene
 Concen: 48.535 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



Tgt Ion: 156 Resp: 318233
 Ion Ratio Lower Upper
 156 100
 77 154.5 76.5 229.5
 158 98.2 49.3 147.9





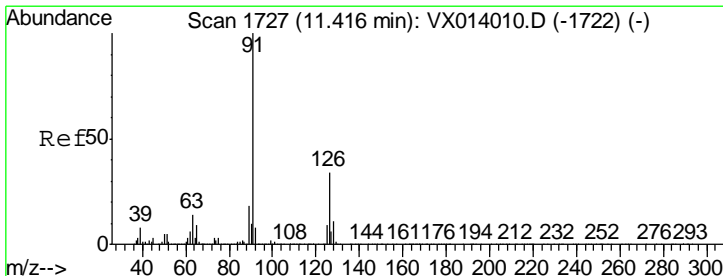
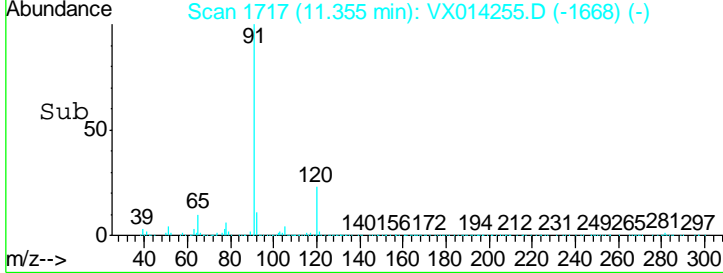
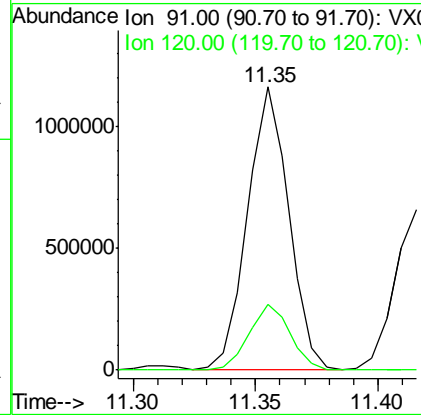
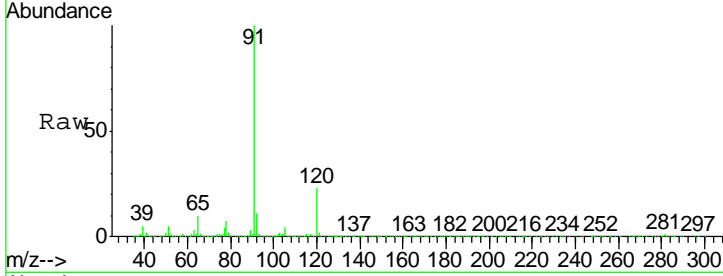
#78
 n-propylbenzene
 Concen: 50.750 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion: 91 Resp: 1356585

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.7	35.0

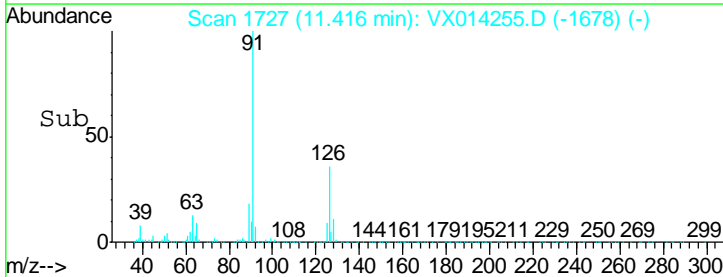
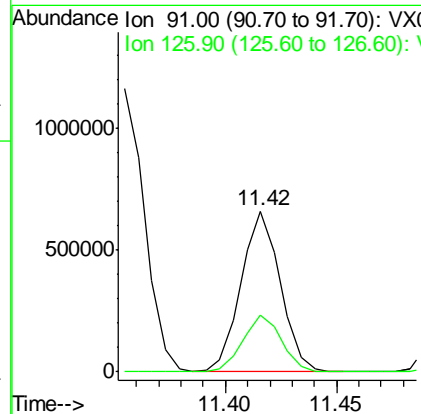
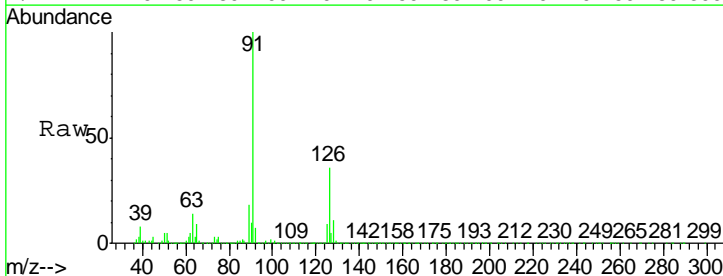
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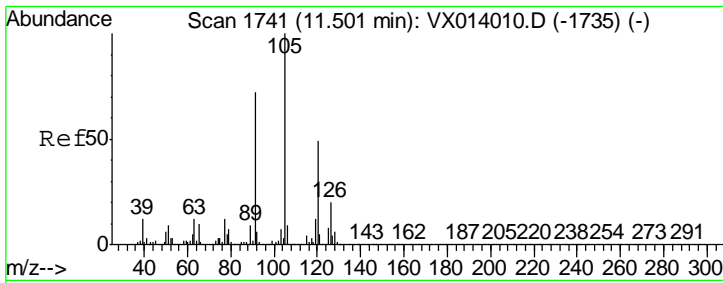


#79
 2-Chlorotoluene
 Concen: 49.895 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion: 91 Resp: 810748

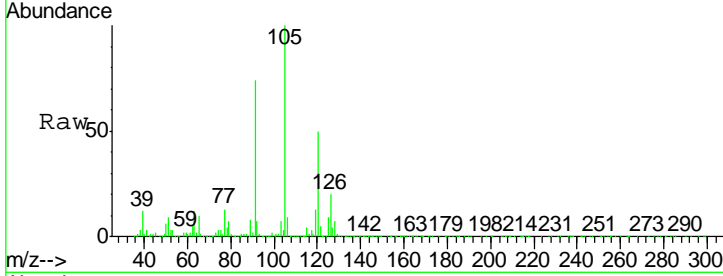
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.2	51.6





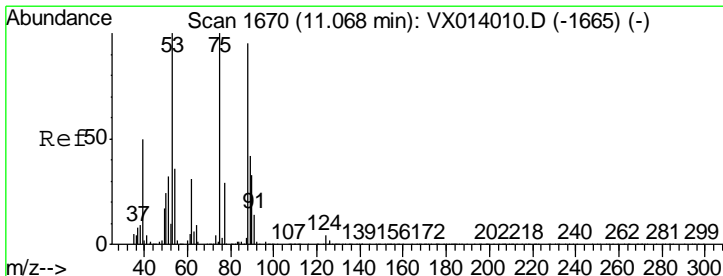
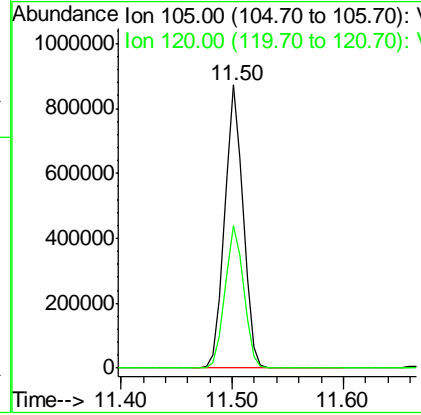
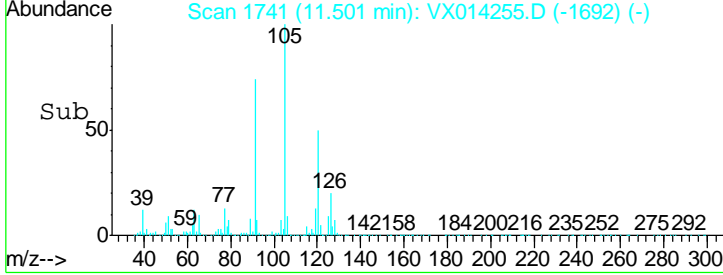
#80
 1,3,5-Trimethylbenzene
 Concen: 49.825 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

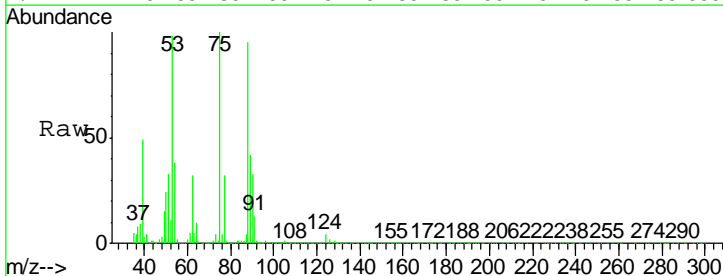


Tgt Ion	Resp	Lower	Upper
105	100		
120	51.1	25.3	75.8

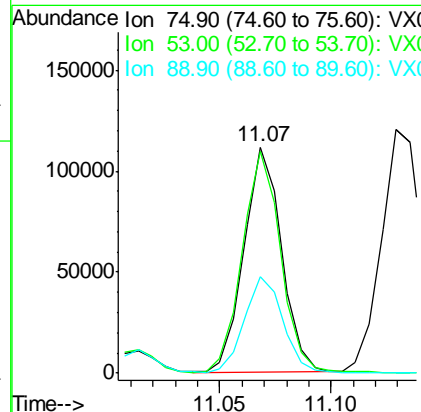
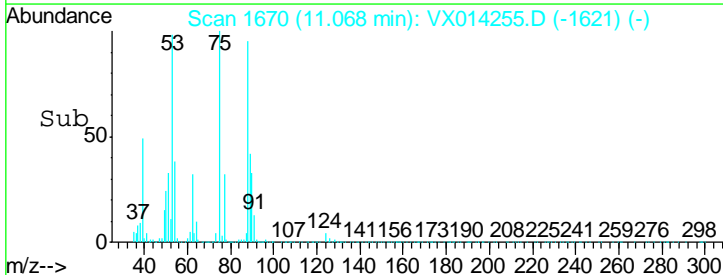
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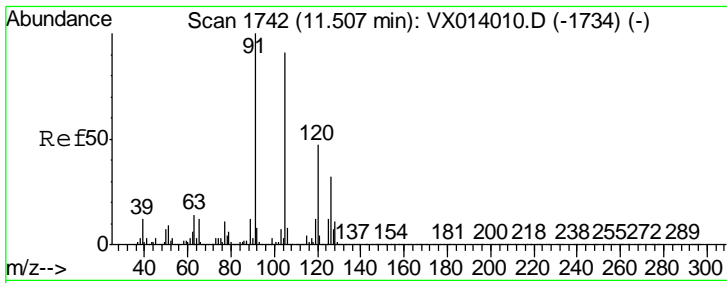


#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.406 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



Tgt Ion	Resp	Lower	Upper
75	100		
53	100.0	76.7	115.1
89	44.4	34.6	51.8



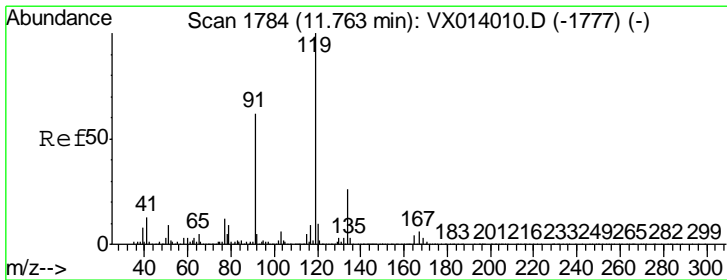
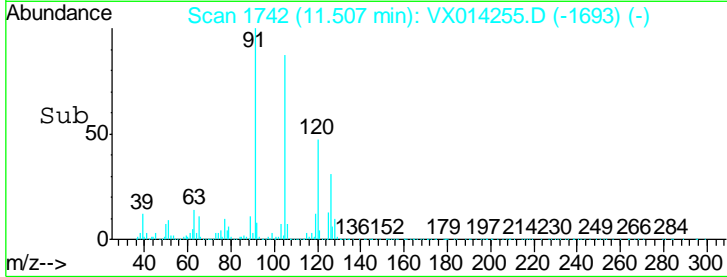
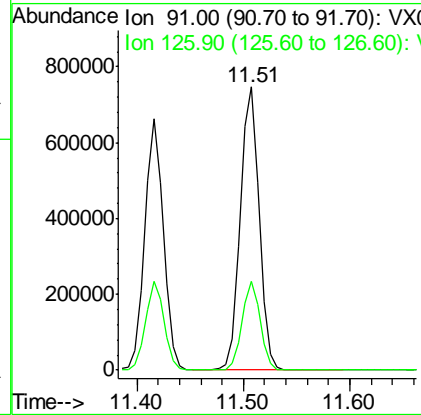
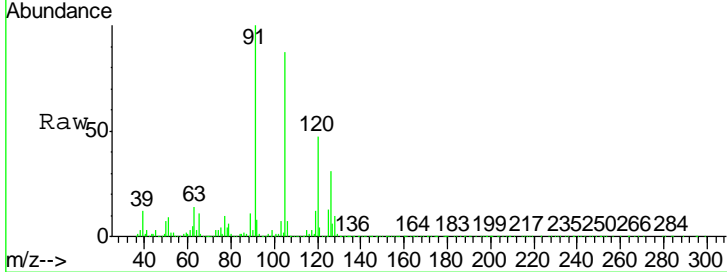


#82
 4-Chlorotoluene
 Concen: 49.387 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

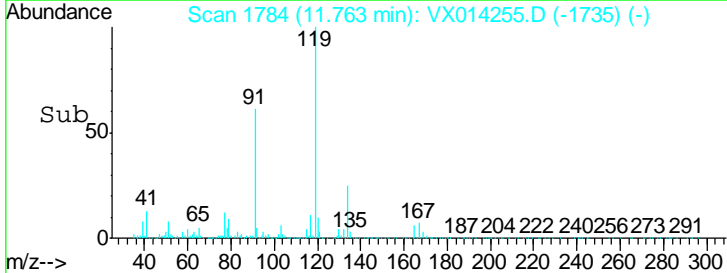
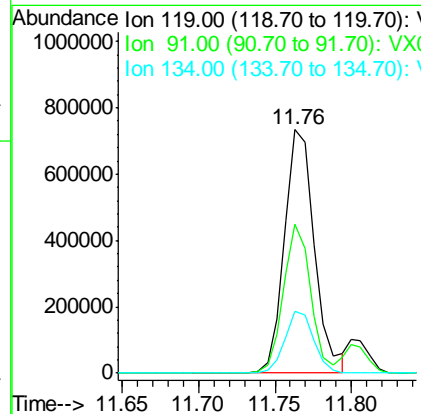
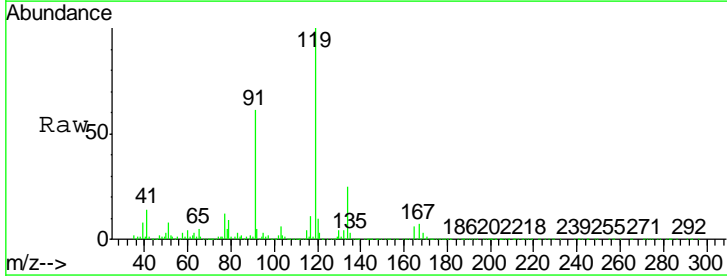
Tgt Ion	Resp	Lower	Upper
91	100		
126	30.2	15.6	46.8

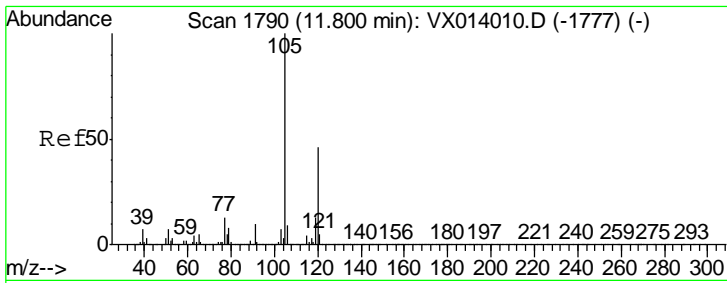
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#83
 tert-Butylbenzene
 Concen: 51.404 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
119	100		
91	55.5	28.5	85.6
134	24.1	12.2	36.6



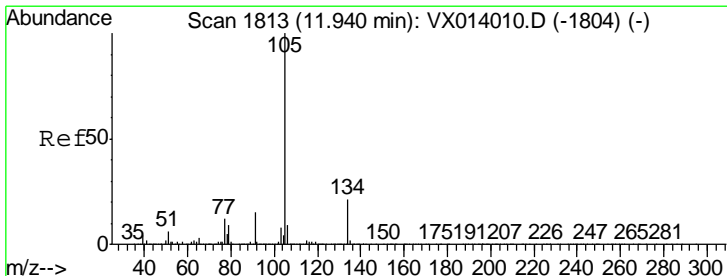
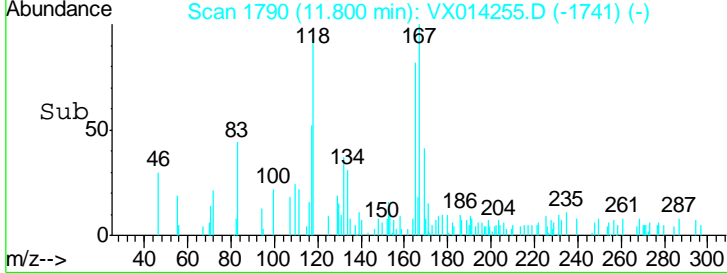
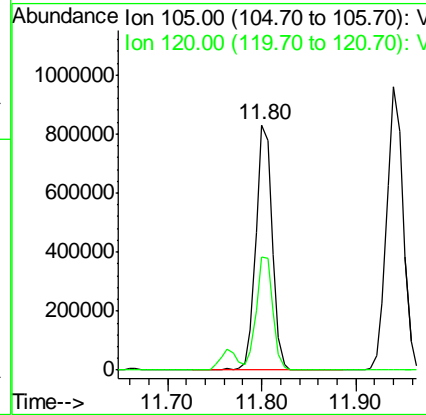
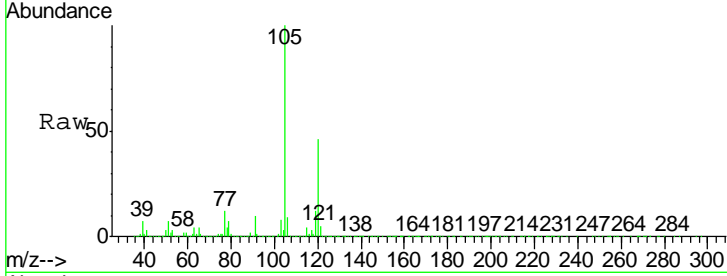


#84
 1,2,4-Trimethylbenzene
 Concen: 50.777 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

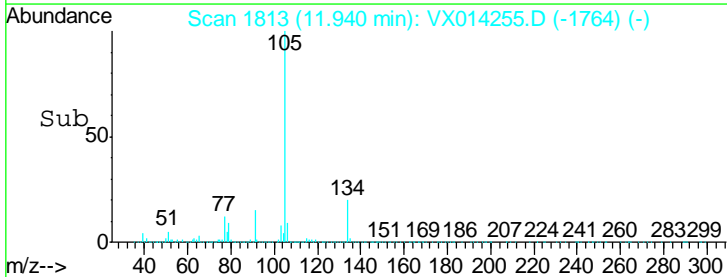
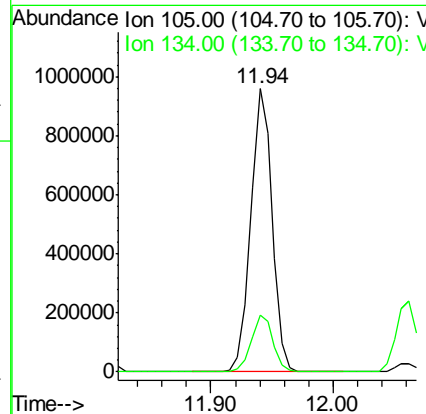
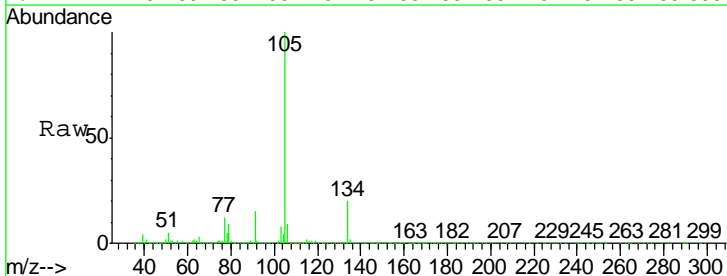
Tgt Ion	Resp	Lower	Upper
105	100		
120	46.3	23.1	69.2

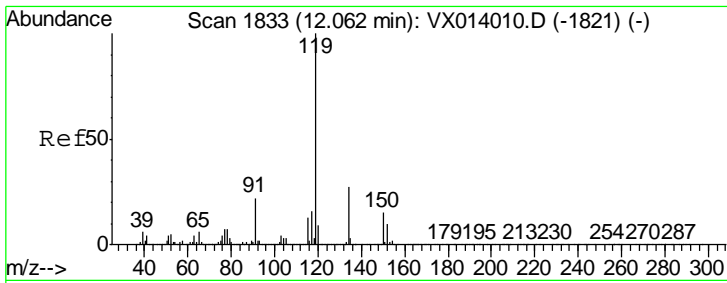
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#85
 sec-Butylbenzene
 Concen: 50.447 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.4	10.4	31.1





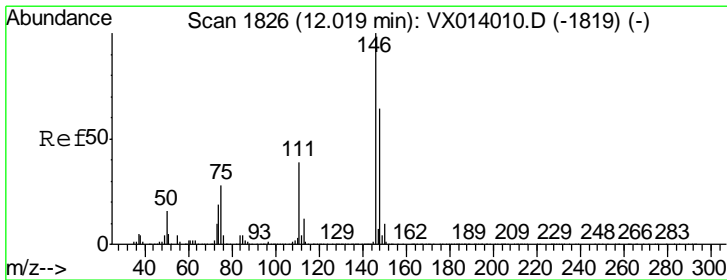
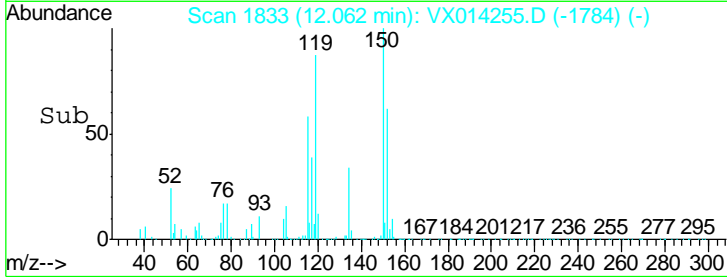
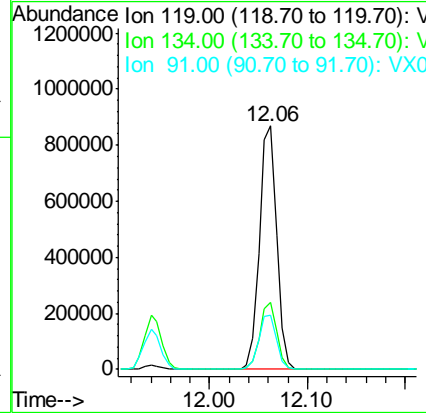
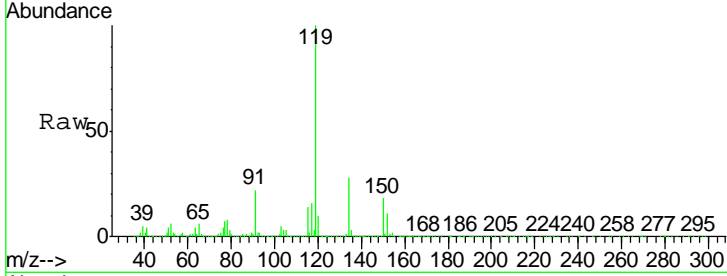
#86
 p-Isopropyltoluene
 Concen: 50.087 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

Tgt Ion	Resp	Lower	Upper
119	1055684		
134	26.9	13.4	40.1
91	22.8	11.4	34.1

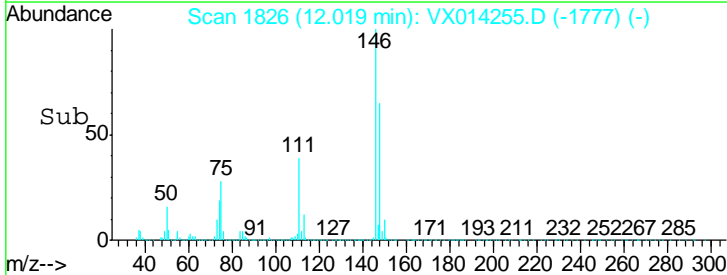
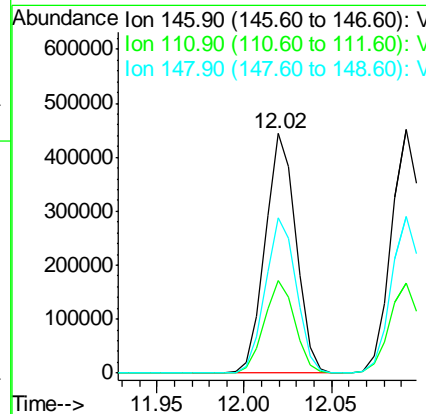
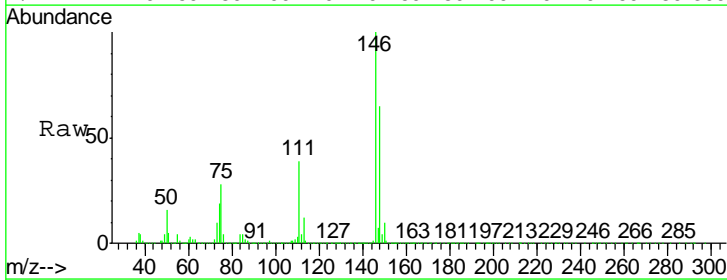
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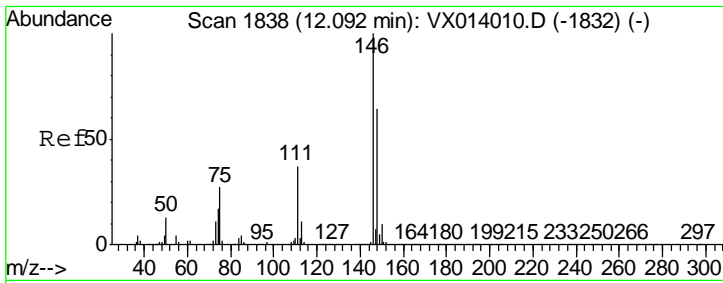
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#87
 1,3-Dichlorobenzene
 Concen: 47.368 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

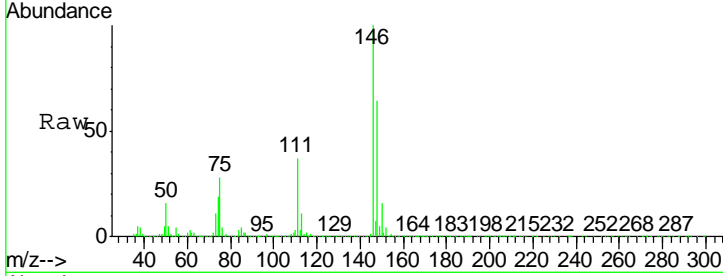
Tgt Ion	Resp	Lower	Upper
146	544333		
111	38.2	19.1	57.1
148	65.0	32.3	96.9





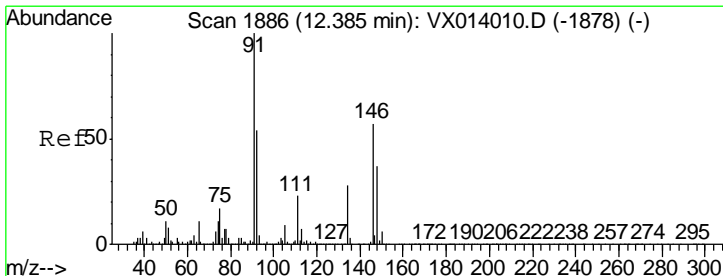
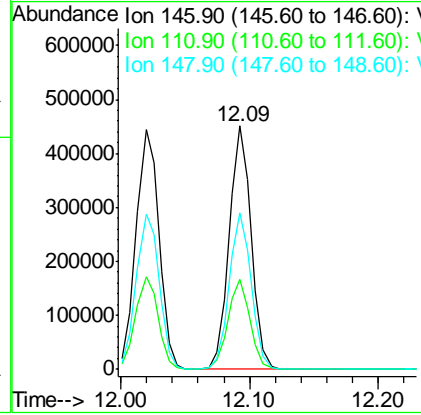
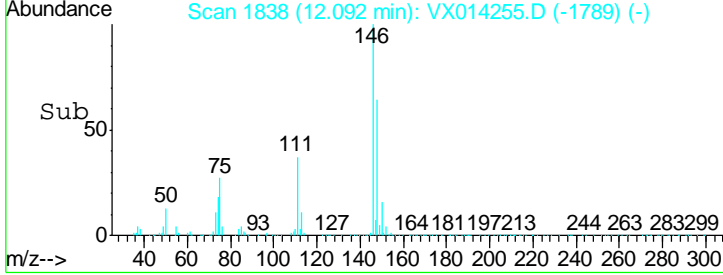
#88
 1,4-Dichlorobenzene
 Concen: 46.394 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

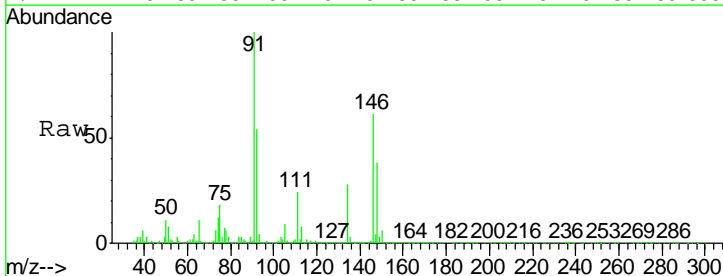


Tgt Ion	Resp	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.4	31.9	95.9

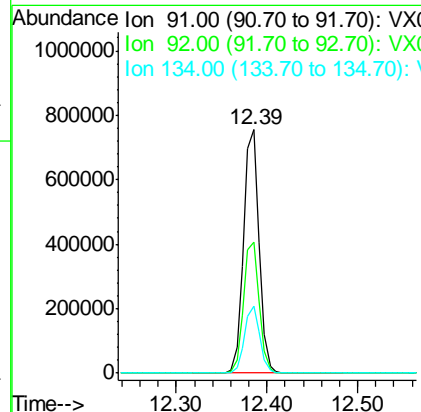
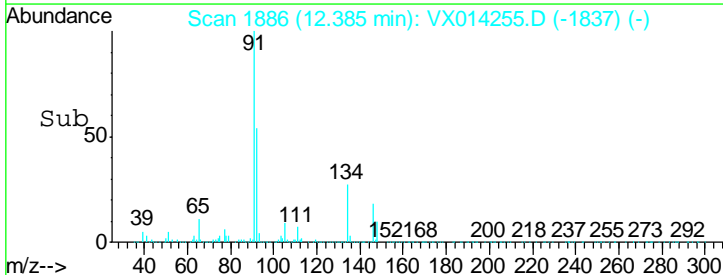
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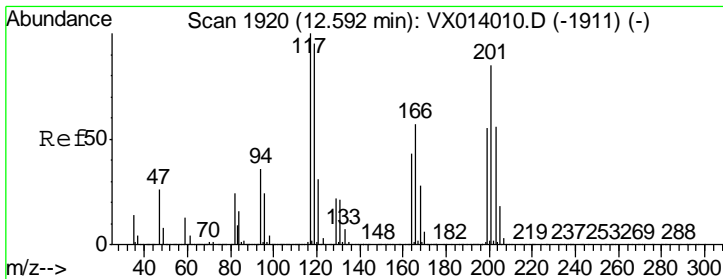


#89
 n-Butylbenzene
 Concen: 49.500 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



Tgt Ion	Resp	Lower	Upper
91	100		
92	54.3	27.2	81.6
134	27.1	13.4	40.1



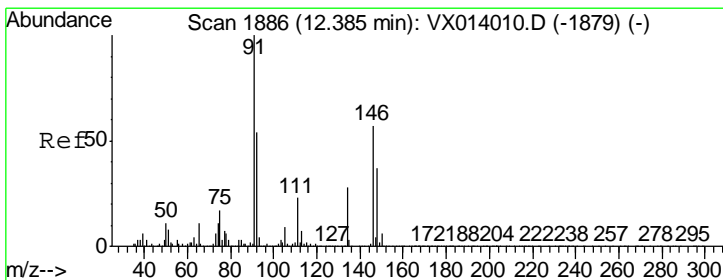
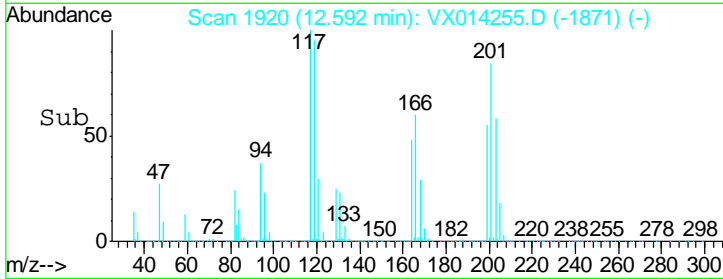
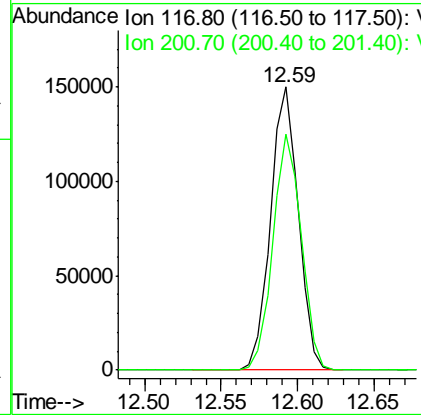
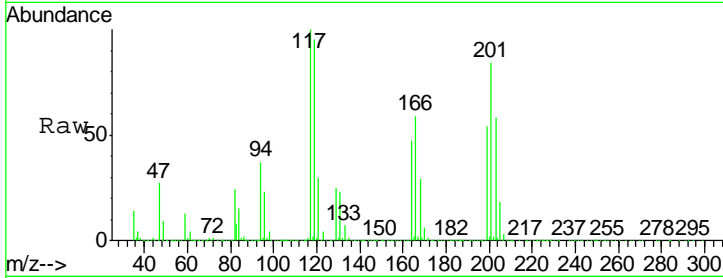


#90
 Hexachloroethane
 Concen: 50.603 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

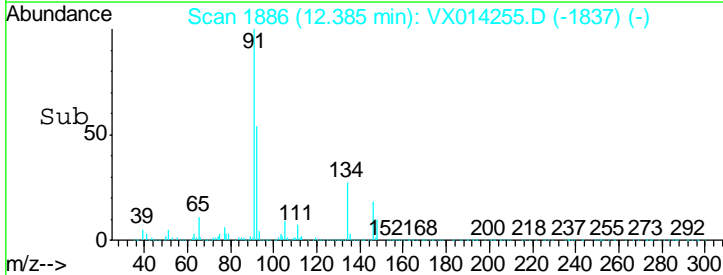
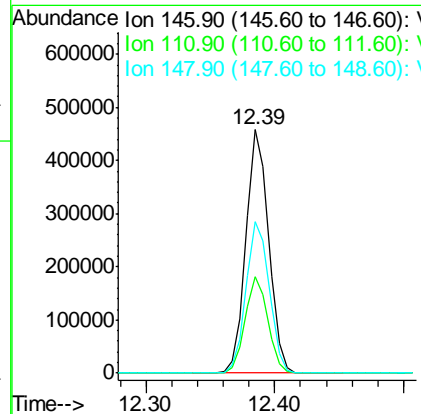
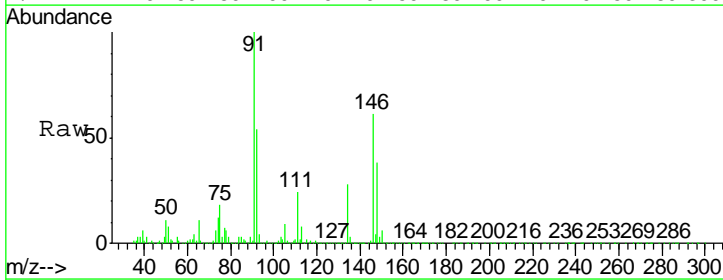
Tgt Ion	Resp	Lower	Upper
117	100		
201	84.8	43.1	129.3

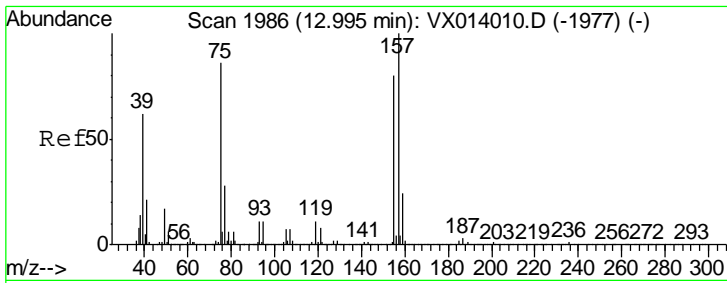
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#91
 1,2-Dichlorobenzene
 Concen: 48.047 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

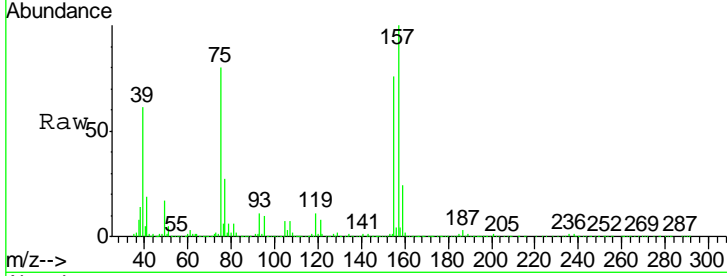
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	63.9	32.1	96.5





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.172 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

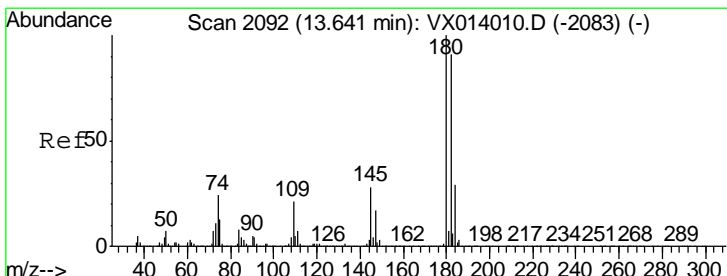
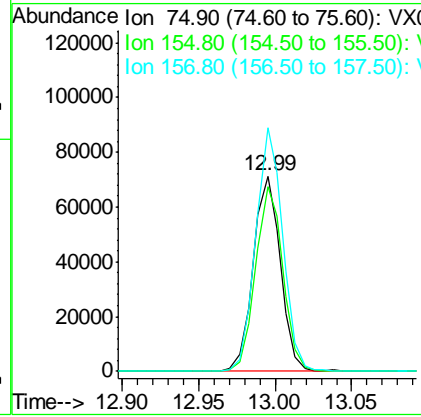
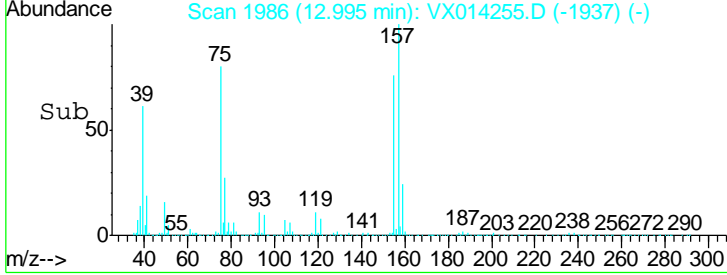
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



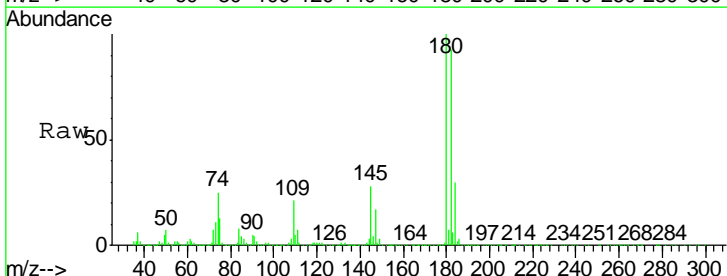
Tgt Ion: 75 Resp: 88076

Ion	Ratio	Lower	Upper
75	100		
155	94.9	46.9	140.6
157	124.2	60.8	182.4

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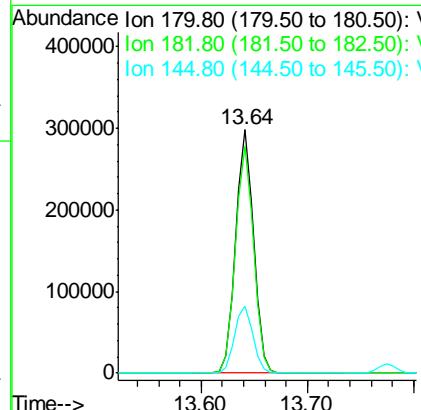
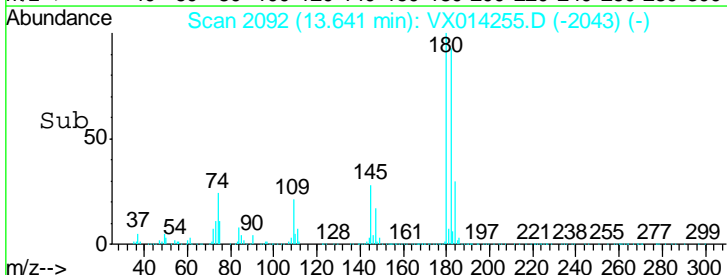


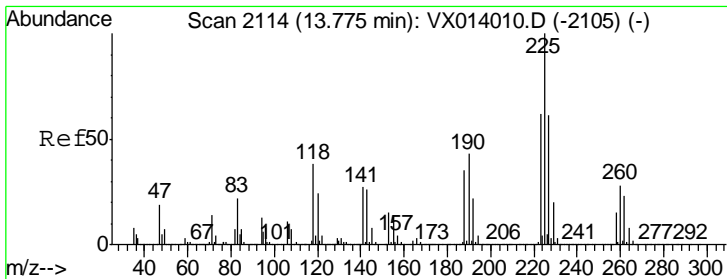
#93
 1,2,4-Trichlorobenzene
 Concen: 47.314 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



Tgt Ion: 180 Resp: 355740

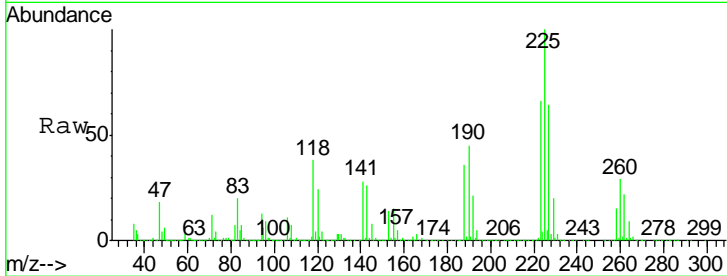
Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.6	139.8
145	28.1	14.2	42.6





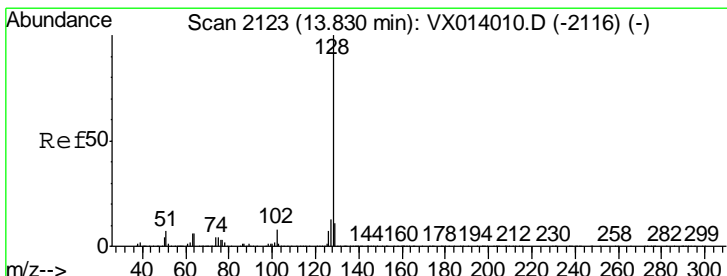
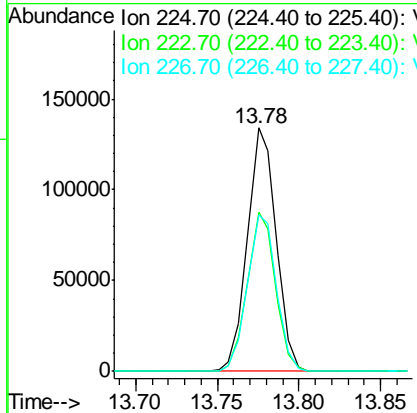
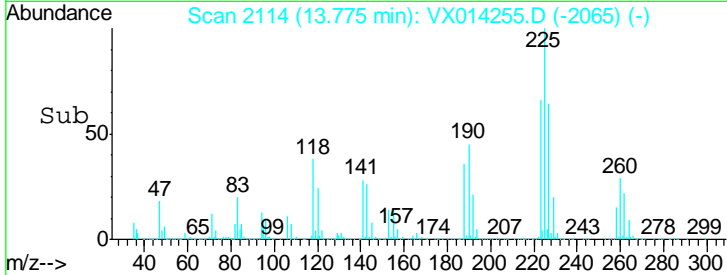
#94
 Hexachlorobutadiene
 Concen: 45.759 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS

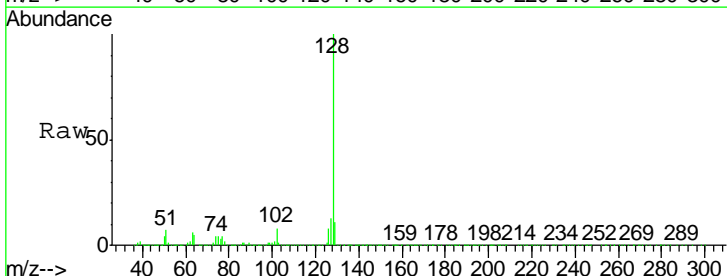


Tgt Ion	Resp	Lower	Upper
225	100		
223	64.0	30.9	92.5
227	65.1	30.9	92.7

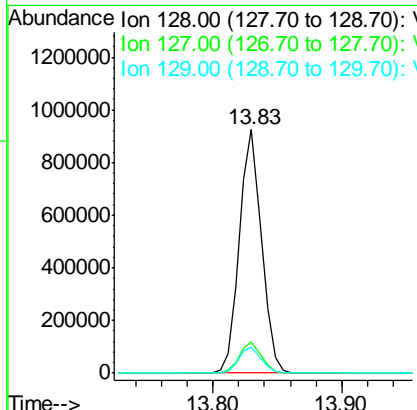
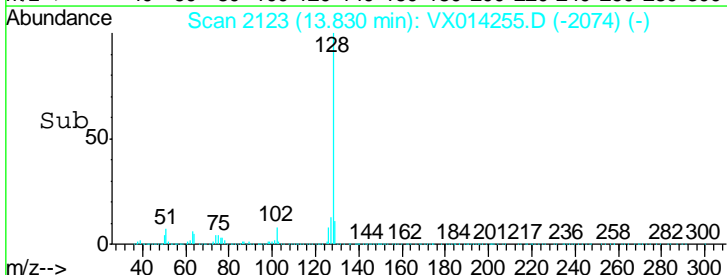
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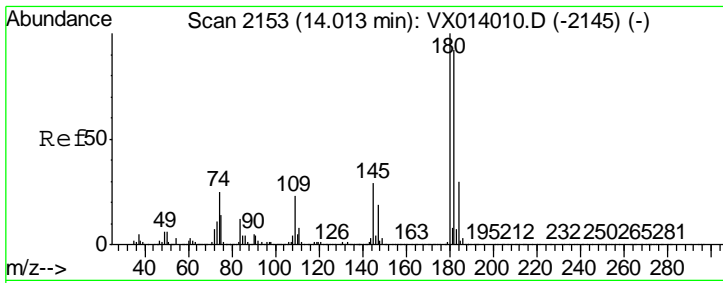


#95
 Naphthalene
 Concen: 49.997 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08



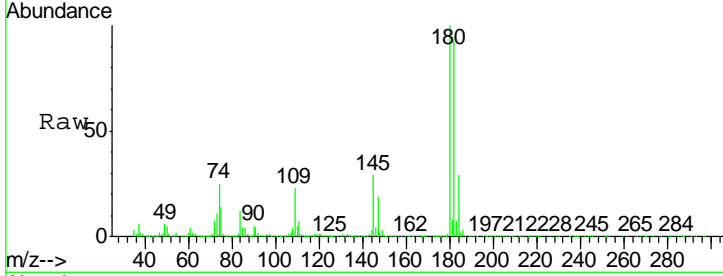
Tgt Ion	Resp	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.8	8.7	13.1





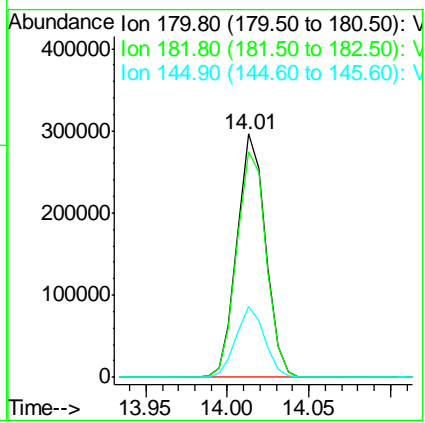
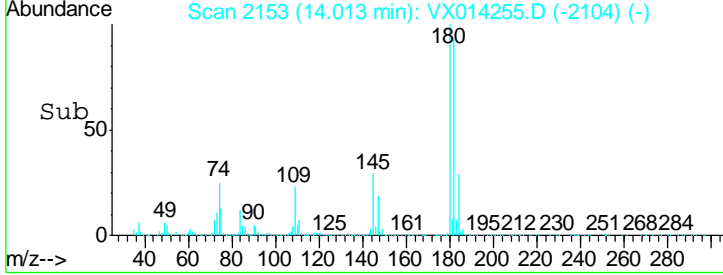
#96
 1,2,3-Trichlorobenzene
 Concen: 48.848 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014255.D
 Acq: 24 Dec 2019 19:08

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MS



Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.8	140.3
145	29.0	14.8	44.4

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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/20/19
Project:	Andrew St. RI	Date Received:	12/21/19
Client Sample ID:	996-MW-15-(17)MSD	SDG No.:	K6405
Lab Sample ID:	K6405-08MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014256.D	1		12/24/19 19:31	VX122419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	43.8		0.22	1.00	ug/L
74-87-3	Chloromethane	46.8		0.30	1.00	ug/L
75-01-4	Vinyl Chloride	47.3		0.16	1.00	ug/L
74-83-9	Bromomethane	46.2		2.10	5.00	ug/L
75-00-3	Chloroethane	49.5		0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	48.5		0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.0		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	49.4		0.18	1.00	ug/L
67-64-1	Acetone	170		0.90	5.00	ug/L
75-15-0	Carbon Disulfide	45.1		0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	52.2		0.070	1.00	ug/L
79-20-9	Methyl Acetate	49.7		0.65	1.00	ug/L
75-09-2	Methylene Chloride	48.4		0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	48.5		0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	50.4		0.17	1.00	ug/L
110-82-7	Cyclohexane	49.7		1.20	5.00	ug/L
78-93-3	2-Butanone	240		0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	49.9		0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	50.4		0.30	1.00	ug/L
74-97-5	Bromochloromethane	55.6		0.31	1.00	ug/L
67-66-3	Chloroform	51.3		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.3		0.12	1.00	ug/L
108-87-2	Methylcyclohexane	46.1		0.17	1.00	ug/L
71-43-2	Benzene	48.7		0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	49.3		0.13	1.00	ug/L
79-01-6	Trichloroethene	47.7		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.0		0.14	1.00	ug/L
75-27-4	Bromodichloromethane	50.9		0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	260		0.85	5.00	ug/L
108-88-3	Toluene	48.1		0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	50.7		0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.8		0.16	1.00	ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014256.D
 Acq On : 24 Dec 2019 19:31
 Operator : JC/SP
 Sample : K6405-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 996-MW-15-(17)MSD

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Quant Time: Dec 25 08:44:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	488343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	767359	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	695552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	343564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	282953	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	5.49	113	241087	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	8.71	98	918443	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.14	95	328698	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	191163	43.756	ug/l	99
3) Chloromethane	1.32	50	274381	46.798	ug/l	99
4) Vinyl Chloride	1.40	62	292317	47.250	ug/l	100
5) Bromomethane	1.63	94	202870	46.202	ug/l	99
6) Chloroethane	1.72	64	189100	49.525	ug/l	93
7) Trichlorofluoromethane	1.92	101	371170	48.466	ug/l	99
8) Diethyl Ether	2.18	74	177483	49.380	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	221637	48.010	ug/l	100
10) Methyl Iodide	2.50	142	298033	49.009	ug/l	99
11) Tert butyl alcohol	3.03	59	323298	270.334	ug/l	98
12) 1,1-Dichloroethene	2.37	96	232133	49.416	ug/l	94
13) Acrolein	2.28	56	181420	265.008	ug/l	98
14) Allyl chloride	2.72	41	428885	51.135	ug/l	99
15) Acrylonitrile	3.13	53	750093	268.719	ug/l	99
16) Acetone	2.43	43	625974	174.211	ug/l	100
17) Carbon Disulfide	2.56	76	587298	45.109	ug/l	99
18) Methyl Acetate	2.76	43	353803	49.691	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	805079	52.155	ug/l	98
20) Methylene Chloride	2.85	84	273788	48.387	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	251092	48.518	ug/l	99
22) Diisopropyl ether	3.84	45	879598	52.627	ug/l	98
23) Vinyl Acetate	3.80	43	3464115	253.977	ug/l	99
24) 1,1-Dichloroethane	3.69	63	468929	50.428	ug/l	100
25) 2-Butanone	4.66	43	1041312	235.059	ug/l	99
26) 2,2-Dichloropropane	4.58	77	317761	44.012	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	294943	50.392	ug/l	98
28) Bromochloromethane	5.01	49	198920	55.572	ug/l	98
29) Tetrahydrofuran	5.11	42	682016	275.249	ug/l	99
30) Chloroform	5.20	83	452105	51.287	ug/l	98
31) Cyclohexane	5.58	56	411064	49.703	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	378086	50.325	ug/l	98
36) 1,1-Dichloropropene	5.79	75	332600	47.238	ug/l	99
37) Ethyl Acetate	4.82	43	380941	48.994	ug/l	100
38) Carbon Tetrachloride	5.78	117	319783	49.855	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014256.D
 Acq On : 24 Dec 2019 19:31
 Operator : JC/SP
 Sample : K6405-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 996-MW-15-(17)MSD

Manual Integrations
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Quant Time: Dec 25 08:44:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	400357	46.051	ug/l	100
40) Benzene	6.14	78	1055542	48.723	ug/l	99
41) Methacrylonitrile	5.03	41	224651	52.074	ug/l	99
42) 1,2-Dichloroethane	6.18	62	361931	49.285	ug/l	99
43) Isopropyl Acetate	6.43	43	638787	49.643	ug/l	99
44) Trichloroethene	7.21	130	285721	47.749	ug/l	100
45) 1,2-Dichloropropane	7.51	63	282998	50.966	ug/l	95
46) Dibromomethane	7.65	93	177549	48.363	ug/l	99
47) Bromodichloromethane	7.89	83	352008	50.911	ug/l	100
48) Methyl methacrylate	7.76	41	326825	51.870	ug/l	99
49) 1,4-Dioxane	7.73	88	127560	994.815	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2099265	259.776	ug/l	99
52) Toluene	8.78	92	658898	48.118	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	384066	50.659	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	429180	50.814	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	274360	49.991	ug/l	98
56) Ethyl methacrylate	9.17	69	444852	51.602	ug/l	99
57) 1,3-Dichloropropane	9.37	76	466423	50.513	ug/l	100
59) 2-Hexanone	9.48	43	1592875	244.859	ug/l	100
60) Dibromochloromethane	9.57	129	286082	52.442	ug/l	100
61) 1,2-Dibromoethane	9.67	107	280500	49.954	ug/l	98
64) Tetrachloroethene	9.33	164	278570	45.261	ug/l	99
65) Chlorobenzene	10.14	112	706814	47.793	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	267372	50.633	ug/l	99
67) Ethyl Benzene	10.25	91	1251103	49.206	ug/l	100
68) m/p-Xylenes	10.35	106	955477	97.705	ug/l	100
69) o-Xylene	10.70	106	464689	48.451	ug/l	99
70) Styrene	10.71	104	801486	49.419	ug/l	99
71) Bromoform	10.85	173	221926	52.283	ug/l	100
73) Isopropylbenzene	11.01	105	1231823	50.924	ug/l	100
74) N-amyl acetate	10.89	43	534666	47.154	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	428492	51.094	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	344017m	46.123	ug/l	
77) Bromobenzene	11.25	156	319086	47.944	ug/l	99
78) n-propylbenzene	11.35	91	1379089	50.827	ug/l	100
79) 2-Chlorotoluene	11.42	91	819442	49.683	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1012595	49.739	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	136911	51.810	ug/l	99
82) 4-Chlorotoluene	11.51	91	931082	48.667	ug/l	99
83) tert-Butylbenzene	11.76	119	1010181	50.989	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1022495	50.153	ug/l	100
85) sec-Butylbenzene	11.94	105	1165943	49.852	ug/l	100
86) p-Isopropyltoluene	12.06	119	1066974	49.873	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	547359	46.926	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	554118	46.720	ug/l	100
89) n-Butylbenzene	12.39	91	899766	49.289	ug/l	99
90) Hexachloroethane	12.59	117	193496	50.354	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	557681	47.494	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	89188	48.058	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	366460	48.017	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\
 Data File : VX014256.D
 Acq On : 24 Dec 2019 19:31
 Operator : JC/SP
 Sample : K6405-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 996-MW-15-(17)MSD

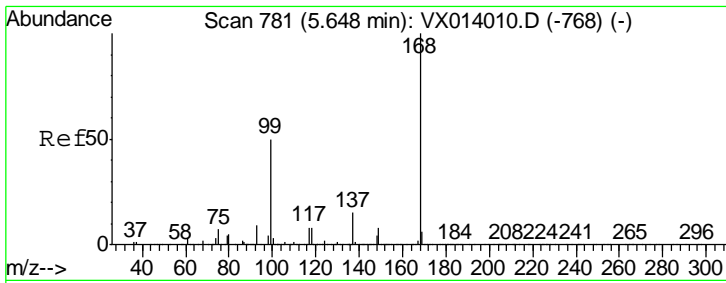
Manual Integrations
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Quant Time: Dec 25 08:44:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	173891	47.410	ug/l	98
95) Naphthalene	13.83	128	1147246	51.165	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	373104	49.524	ug/l	99

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

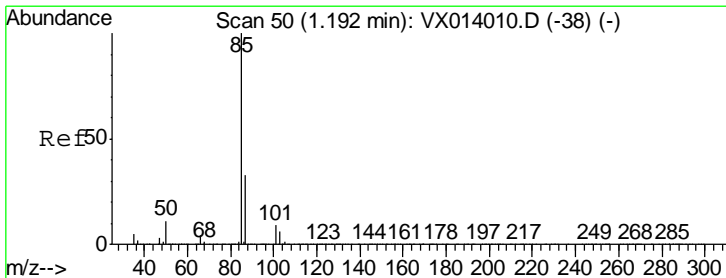
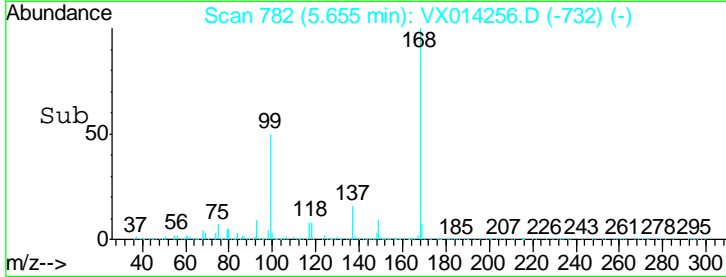
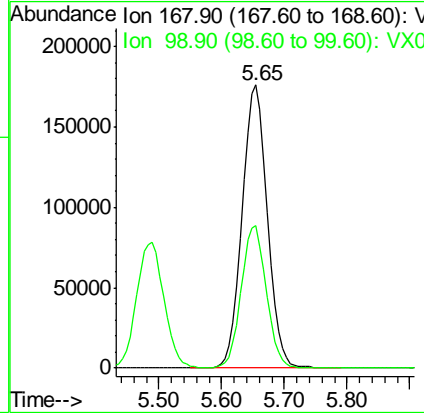
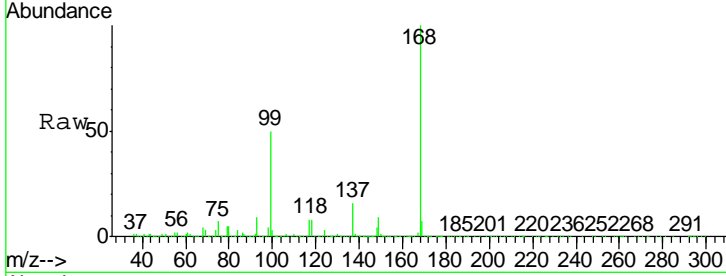


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.1	40.3	60.5

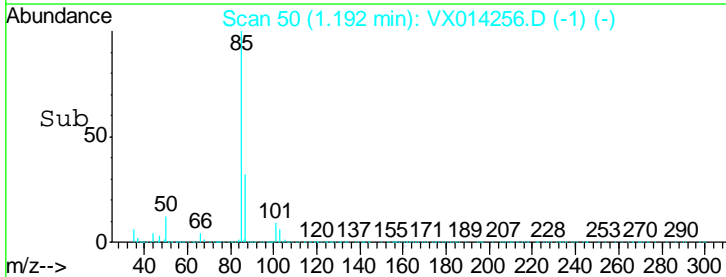
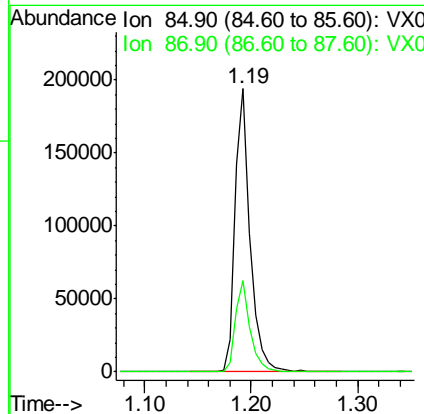
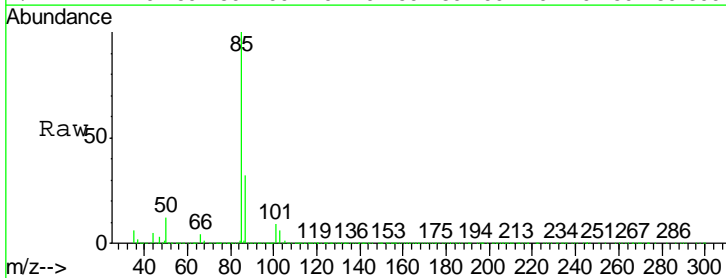
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

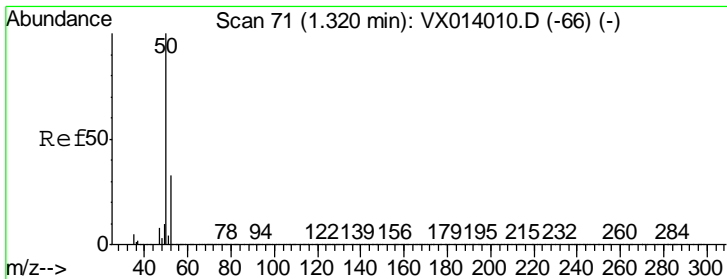
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#2
 Dichlorodifluoromethane
 Concen: 43.756 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.1	16.4	49.2



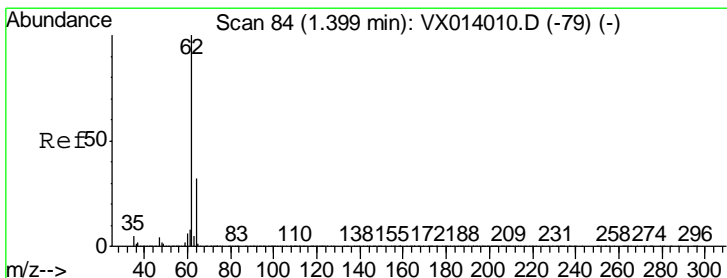
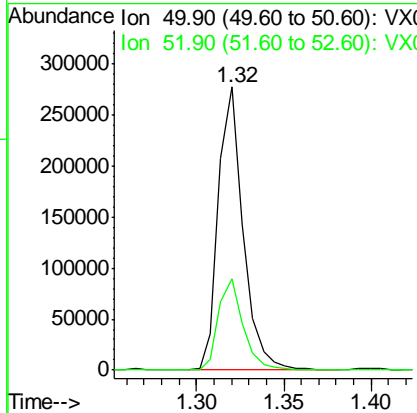
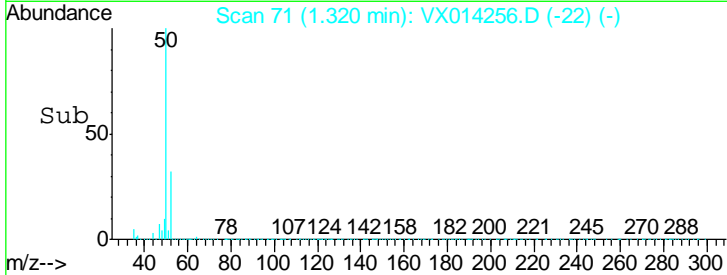
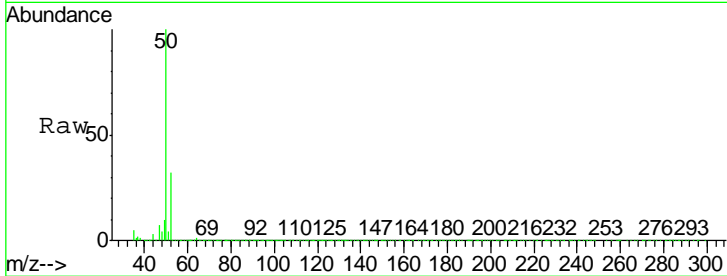


#3
 Chloromethane
 Concen: 46.798 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.2	26.2	39.4

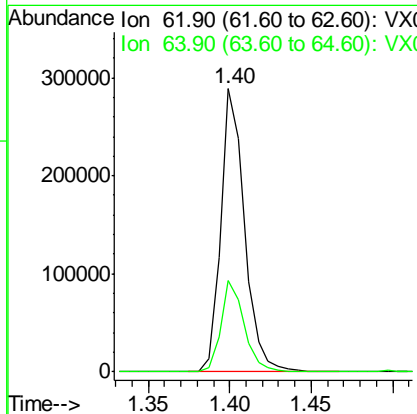
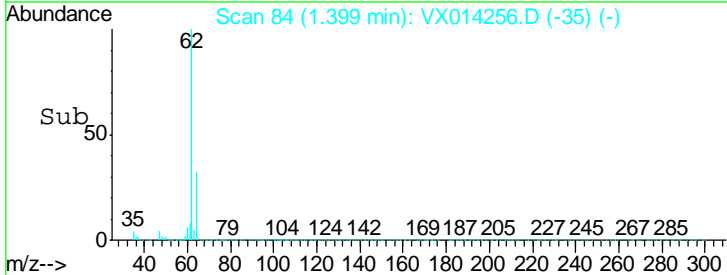
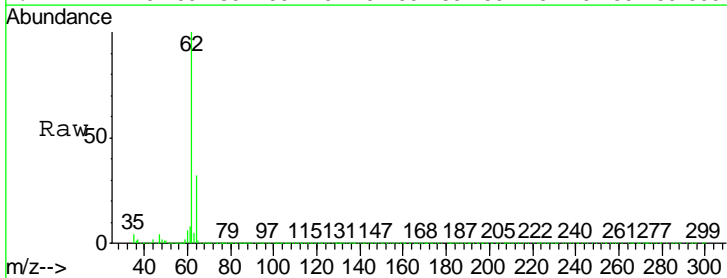
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 Client Sampled : 996-MW-15-(17)MSD

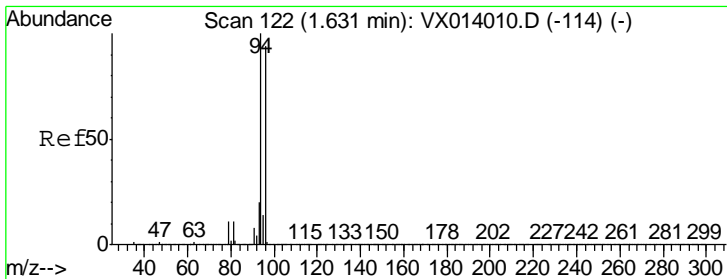
Manual Integrations APPROVED
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#4
 Vinyl Chloride
 Concen: 47.250 ug/l
 RT: 1.40 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.1	25.7	38.5



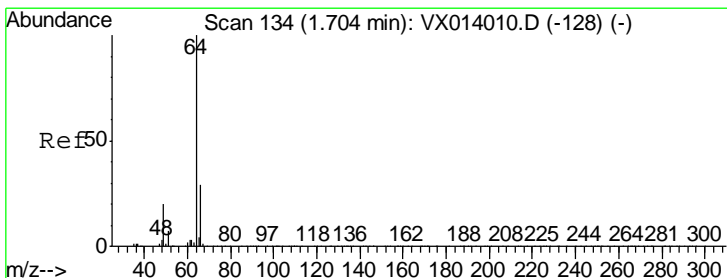
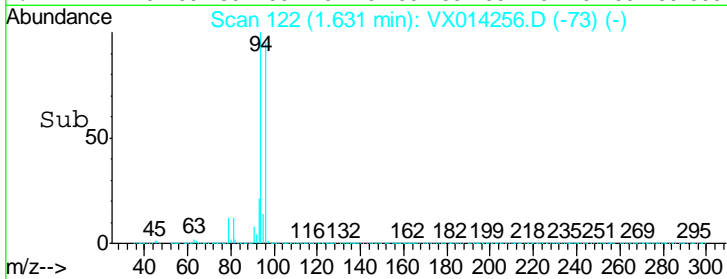
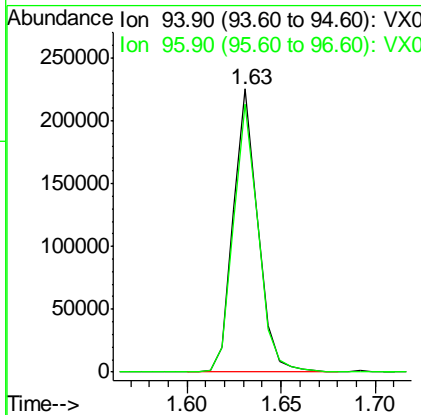
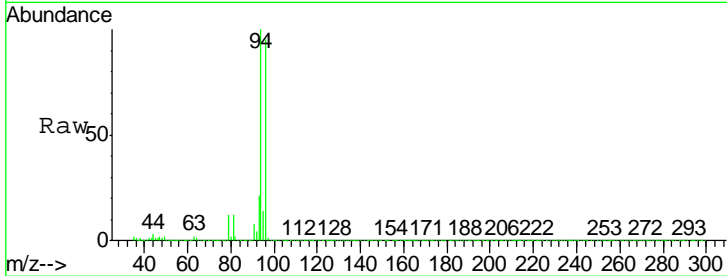


#5
 Bromomethane
 Concen: 46.202 ug/l
 RT: 1.63 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.7	75.2	112.8

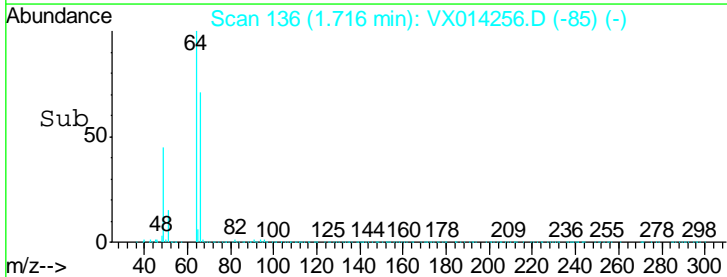
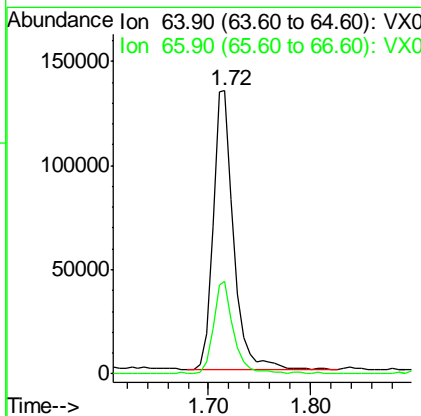
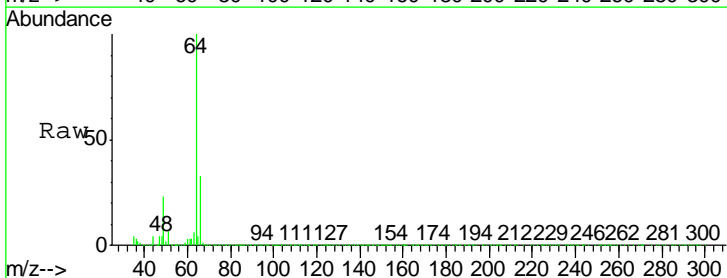
Instrument : MSVOA_X
 ClientSampled : 996-MW-15-(17)MSD

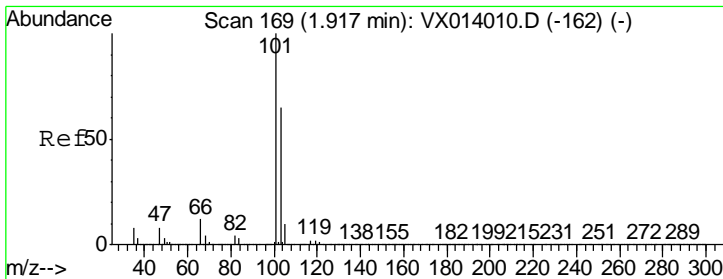
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 49.525 ug/l
 RT: 1.72 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

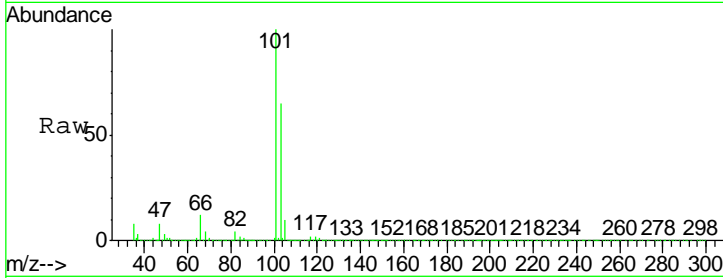
Tgt Ion	Resp	Lower	Upper
64	100		
66	33.1	23.4	35.2





#7
 Trichlorofluoromethane
 Concen: 48.466 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

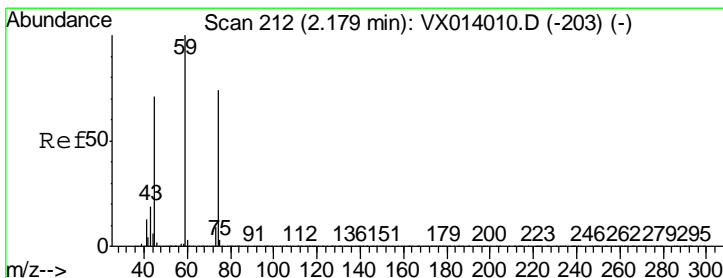
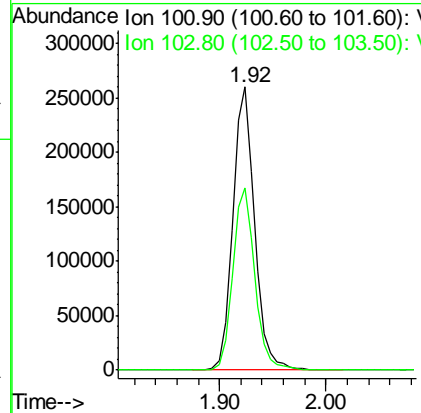
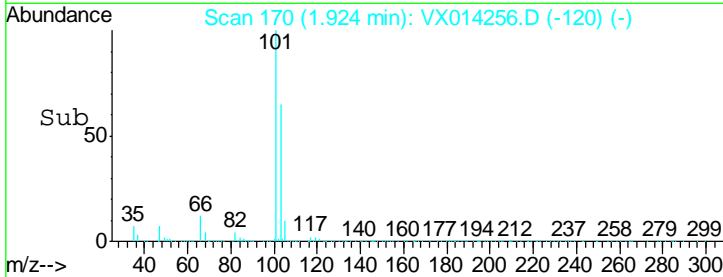
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



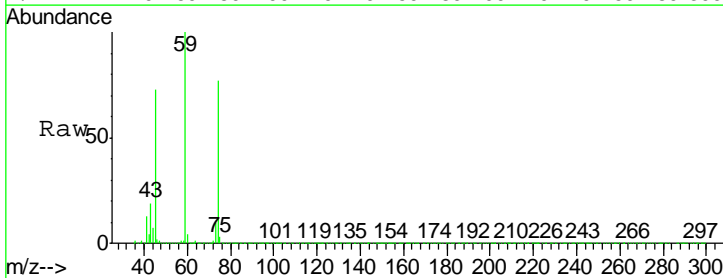
Tgt Ion: 101 Resp: 371170
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.2 78.4

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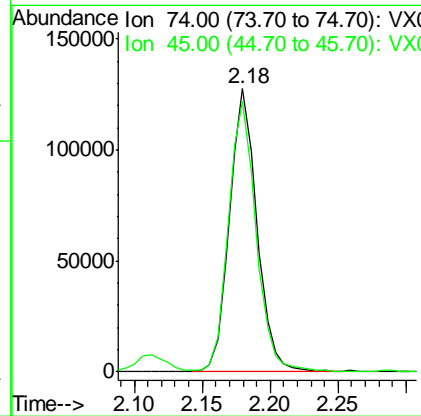
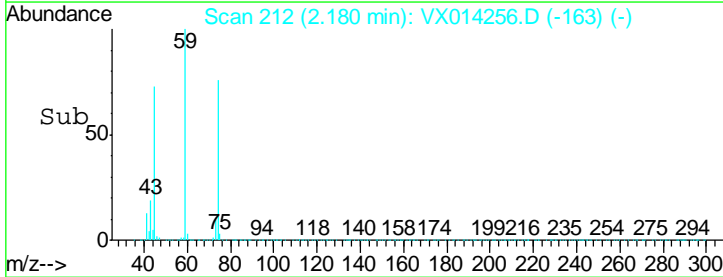
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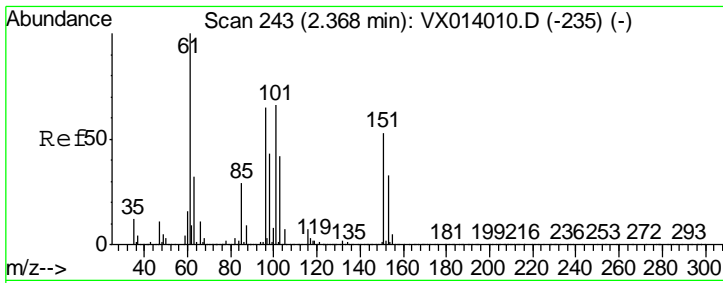


#8
 Diethyl Ether
 Concen: 49.380 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



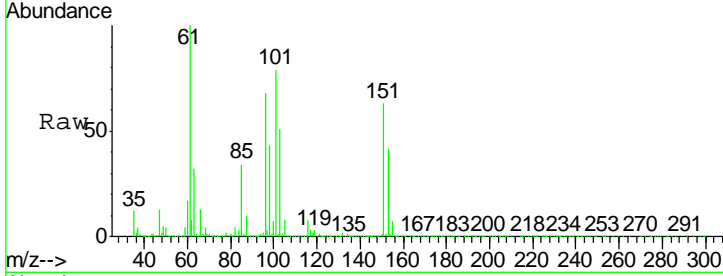
Tgt Ion: 74 Resp: 177483
 Ion Ratio Lower Upper
 74 100
 45 96.2 48.1 144.3





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.010 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

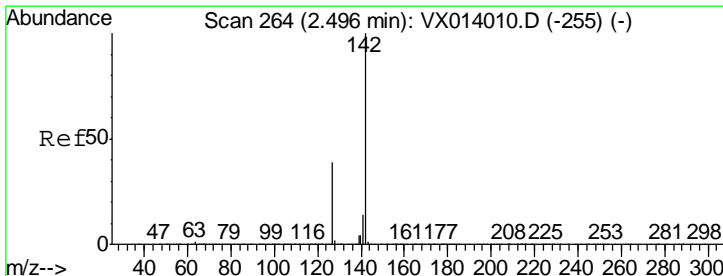
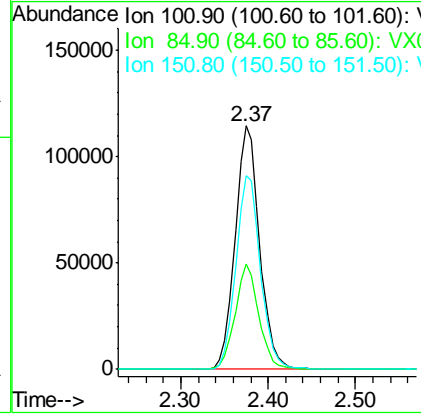
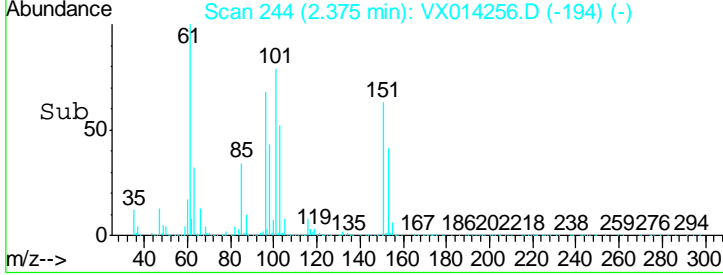
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



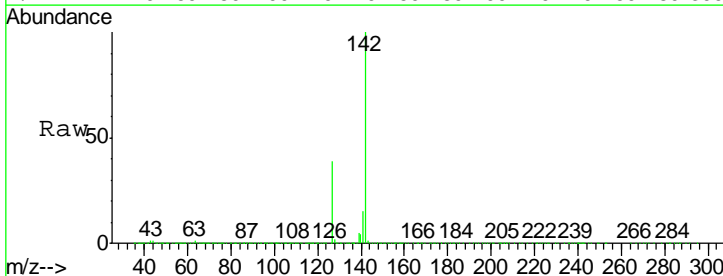
Tgt Ion	Resp	Lower	Upper
101	221637		
101	100		
85	42.3	33.7	50.5
151	80.5	64.5	96.7

Manual Integrations
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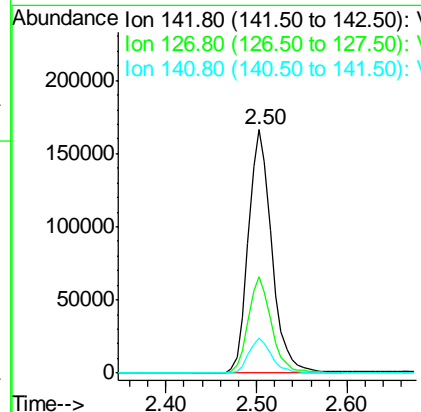
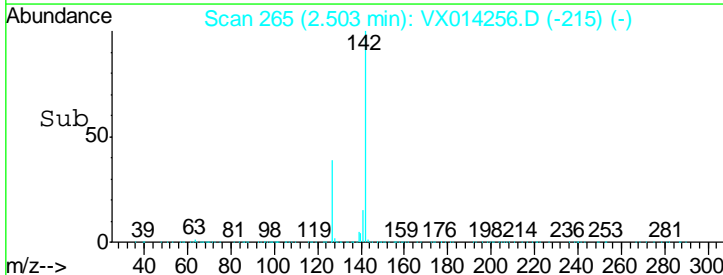
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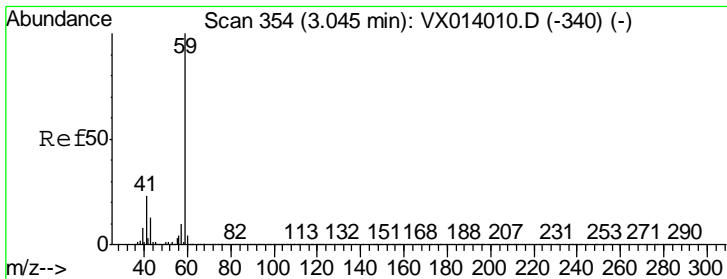


#10
 Methyl Iodide
 Concen: 49.009 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



Tgt Ion	Resp	Lower	Upper
142	298033		
142	100		
127	39.2	31.6	47.4
141	13.9	11.6	17.4



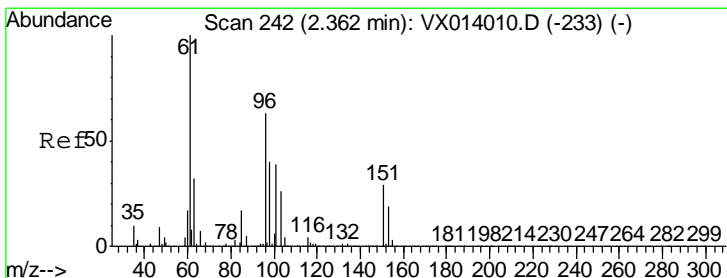
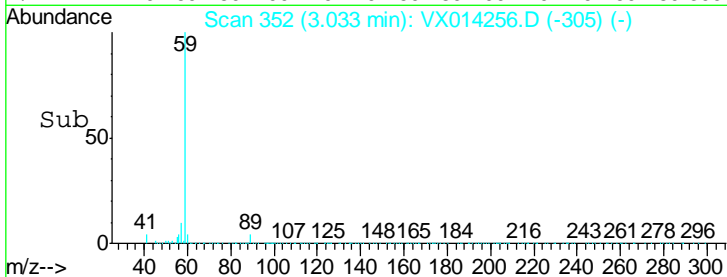
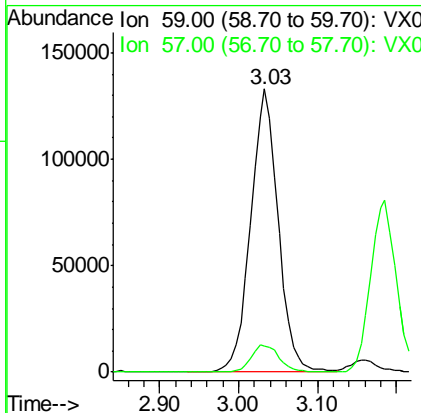
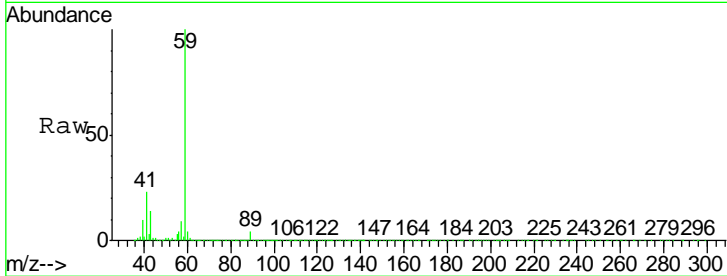


#11
 Tert butyl alcohol
 Concen: 270.334 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.7	8.4	12.6

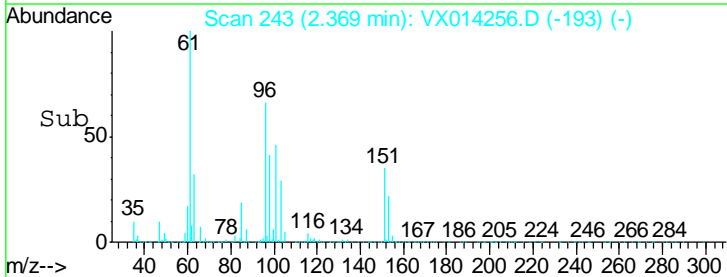
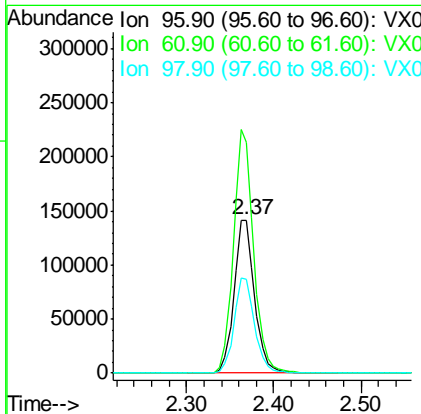
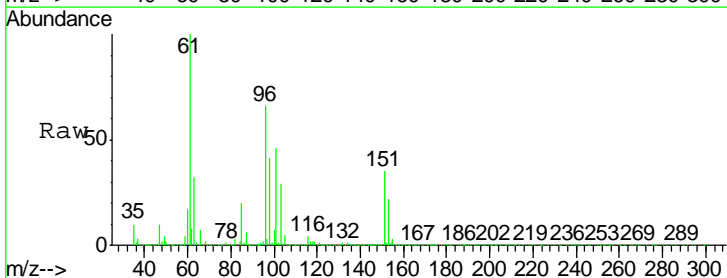
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

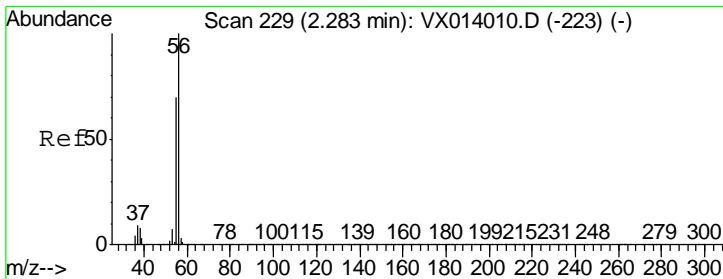
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#12
 1,1-Dichloroethene
 Concen: 49.416 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
96	100		
61	150.7	127.9	191.9
98	61.6	50.5	75.7



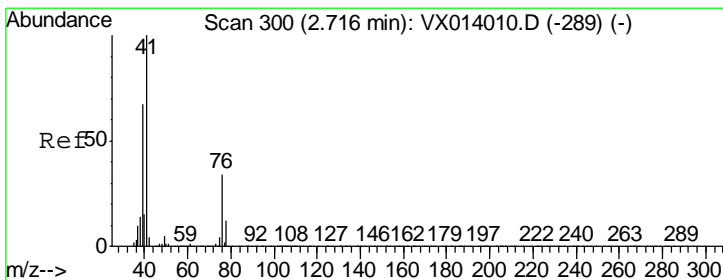
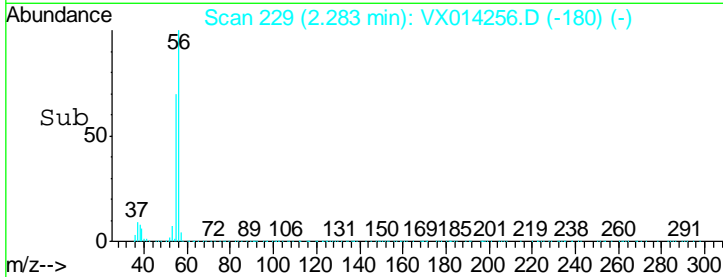
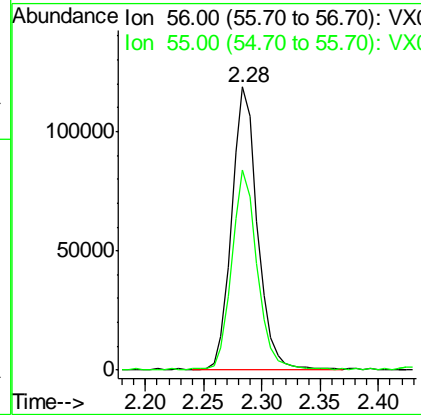
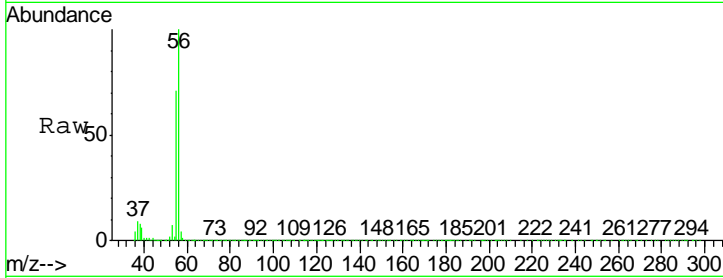


#13
 Acrolein
 Concen: 265.008 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
56	181420		
56	100		
55	69.7	56.9	85.3

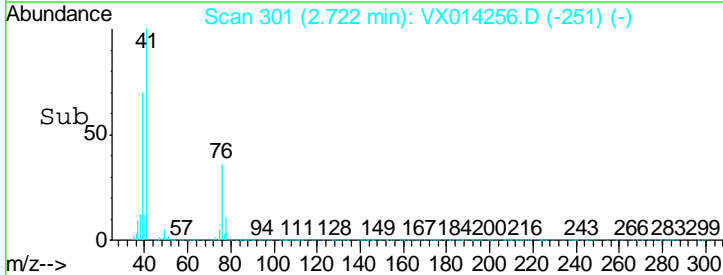
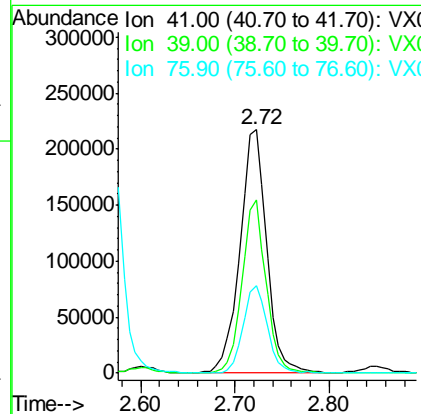
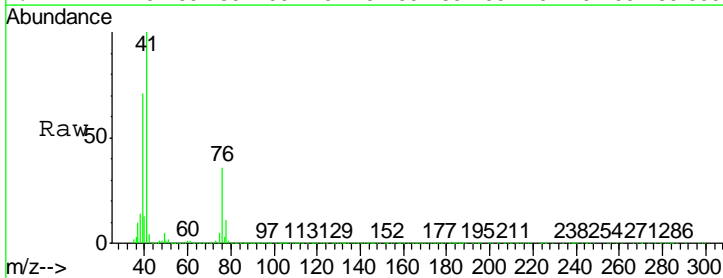
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

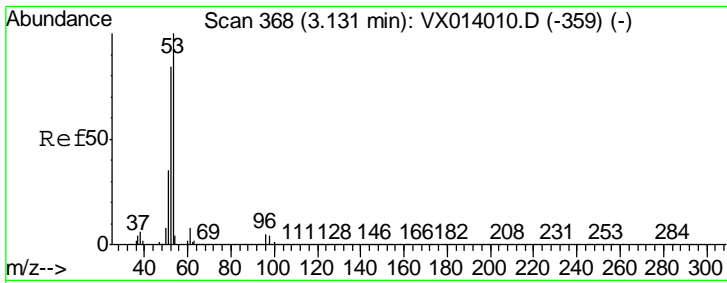
Manual Integrations APPROVED
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#14
 Allyl chloride
 Concen: 51.135 ug/l
 RT: 2.72 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
41	428885		
41	100		
39	63.4	51.8	77.8
76	32.3	25.9	38.9



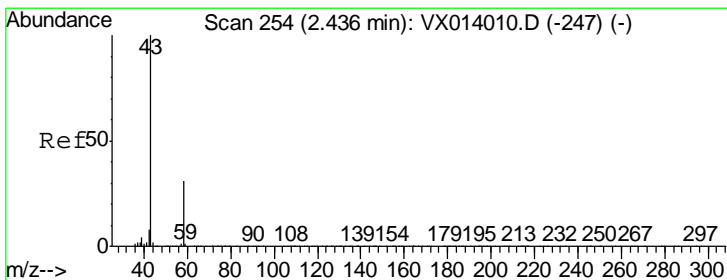
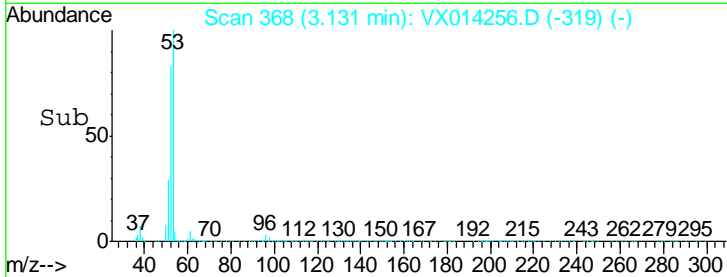
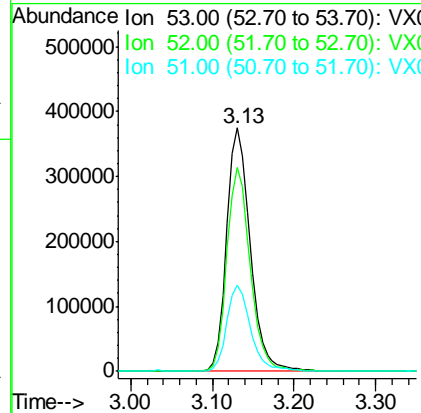
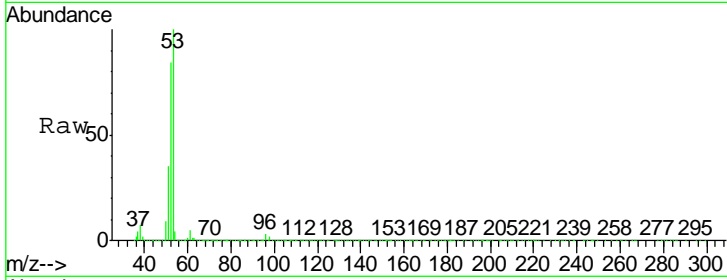


#15
 Acrylonitrile
 Concen: 268.719 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.7	66.5	99.7
51	35.9	28.1	42.1

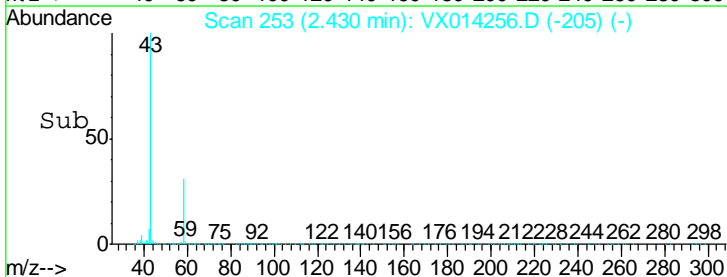
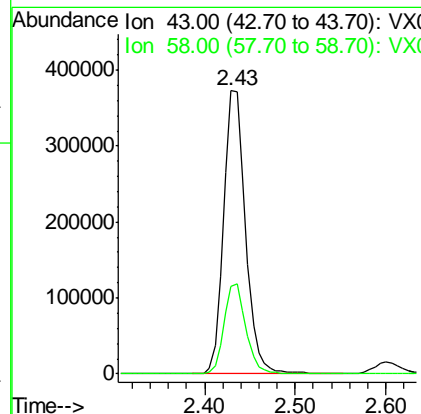
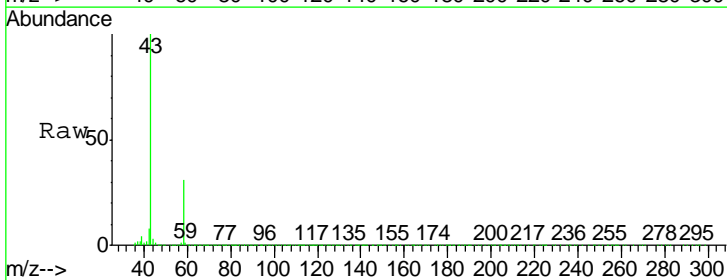
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

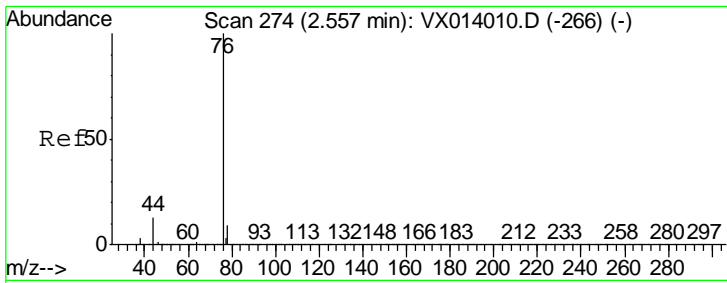
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#16
 Acetone
 Concen: 174.211 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.0	24.9	37.3



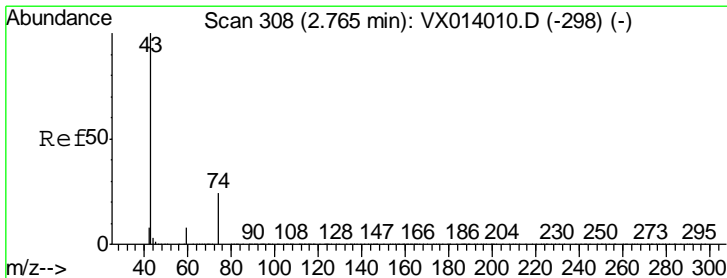
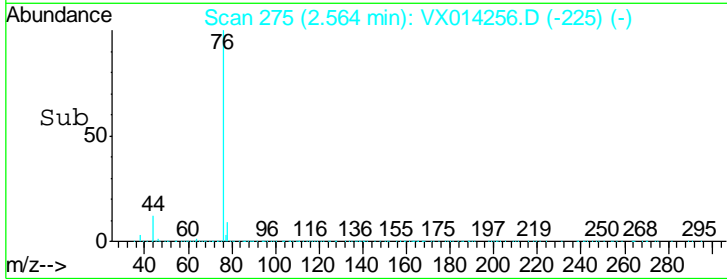
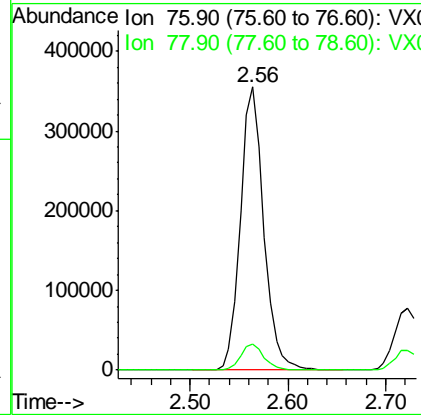
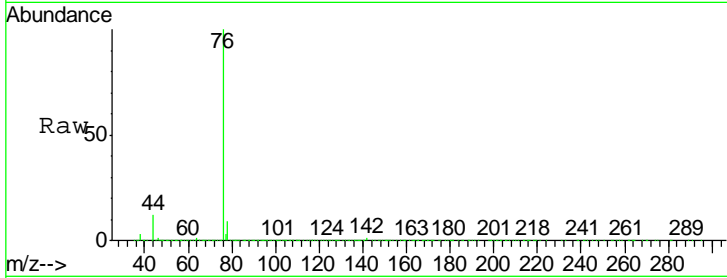


#17
 Carbon Disulfide
 Concen: 45.109 ug/l
 RT: 2.56 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
76	587298		
76	100		
78	9.3	7.2	10.8

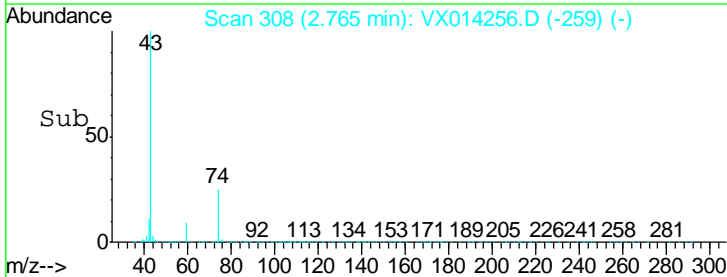
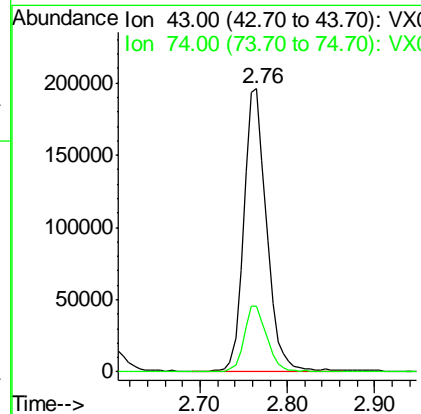
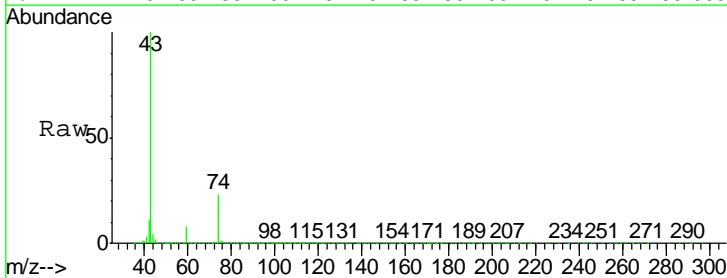
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

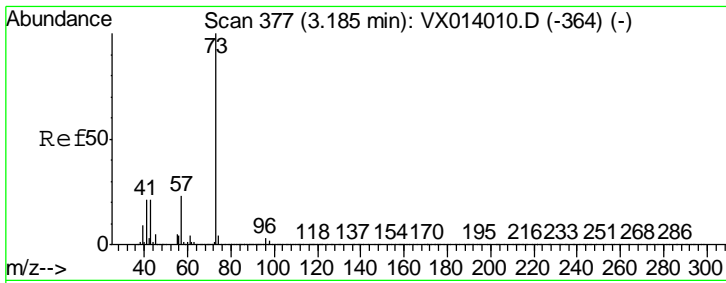
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#18
 Methyl Acetate
 Concen: 49.691 ug/l
 RT: 2.76 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
43	353803		
43	100		
74	23.9	19.5	29.3



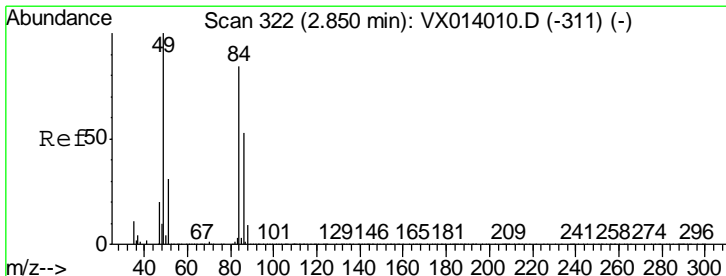
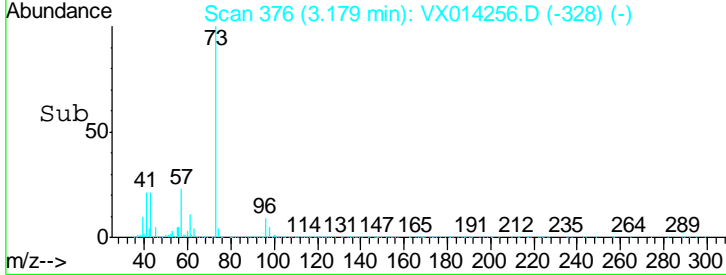
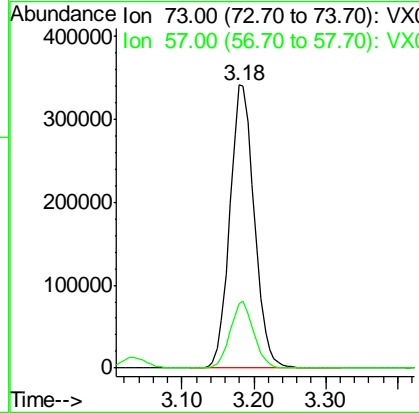
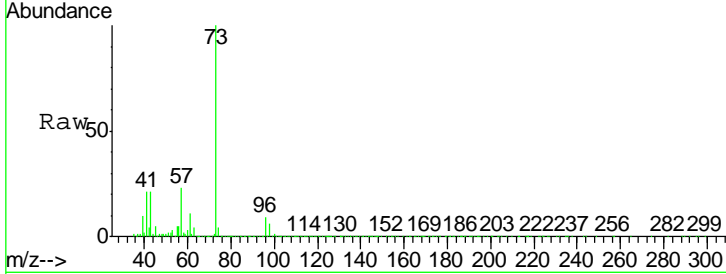


#19
Methyl tert-butyl Ether
Concen: 52.155 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014256.D
Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.6	18.8	28.2

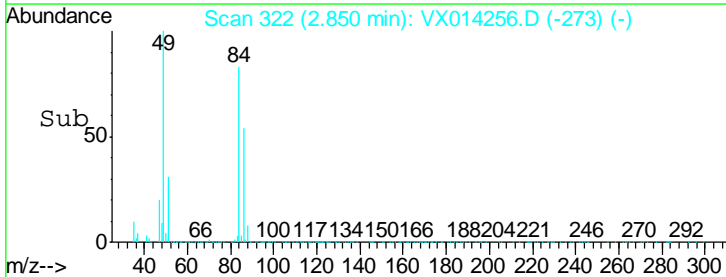
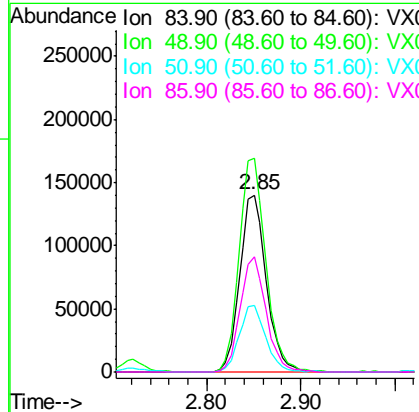
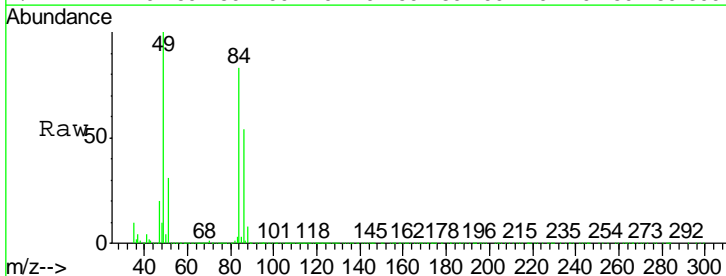
Instrument : MSVOA_X
Client Sampled : 996-MW-15-(17)MSD

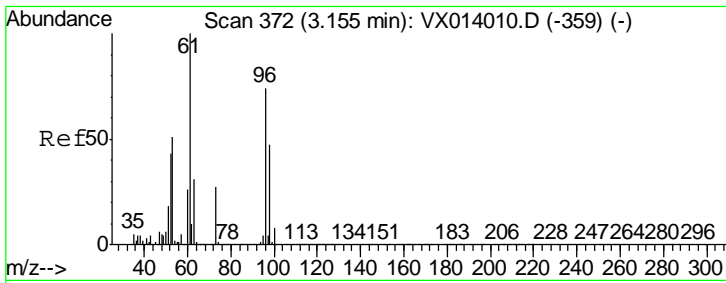
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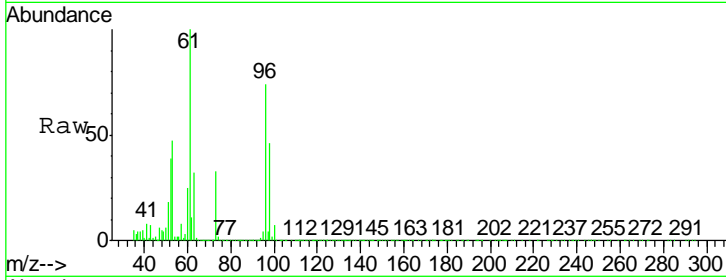
#20
Methylene Chloride
Concen: 48.387 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014256.D
Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
84	100		
49	120.2	95.8	143.6
51	37.2	29.8	44.8
86	64.7	50.8	76.2





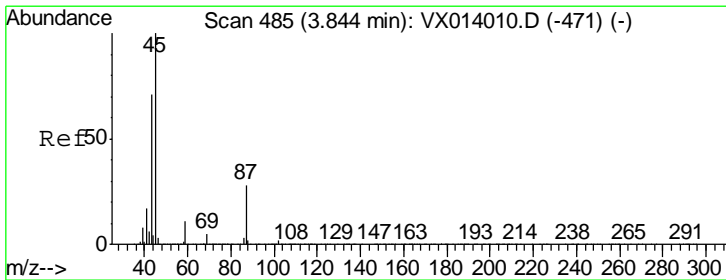
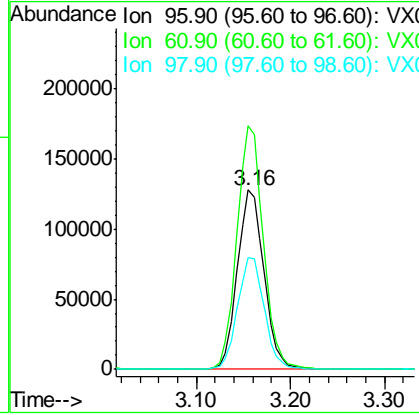
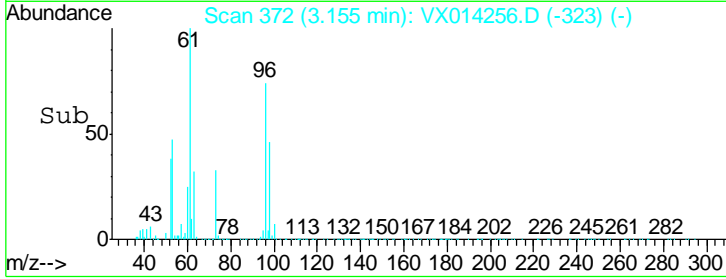
#21
 trans-1,2-Dichloroethene
 Concen: 48.518 ug/l
 RT: 3.16 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



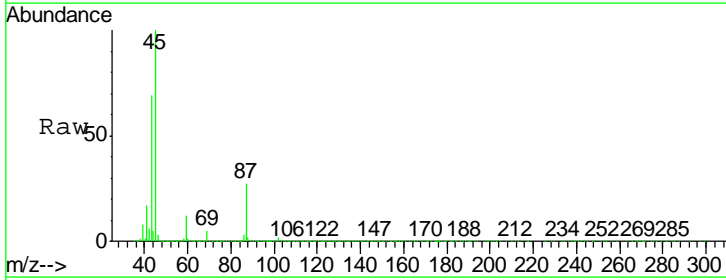
Tgt Ion	Resp	Lower	Upper
96	251092		
61	136.0	108.3	162.5
98	62.5	50.8	76.2

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

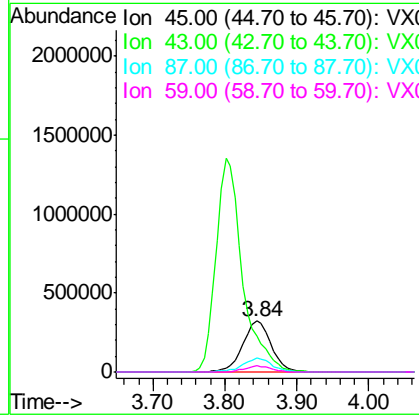
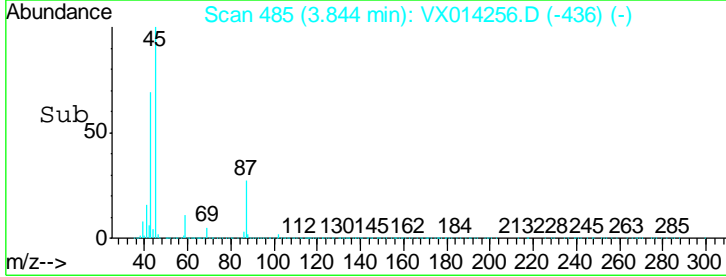
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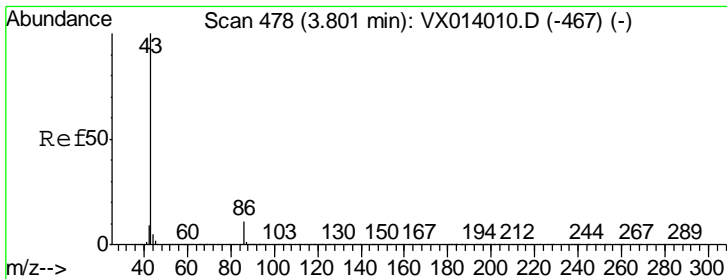


#22
 Diisopropyl ether
 Concen: 52.627 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



Tgt Ion	Resp	Lower	Upper
45	879598		
43	69.1	57.4	86.0
87	27.4	21.9	32.9
59	11.5	9.0	13.6



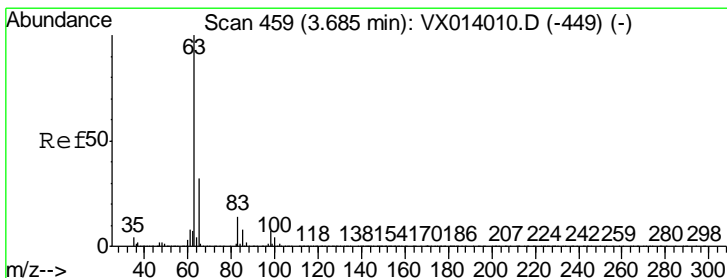
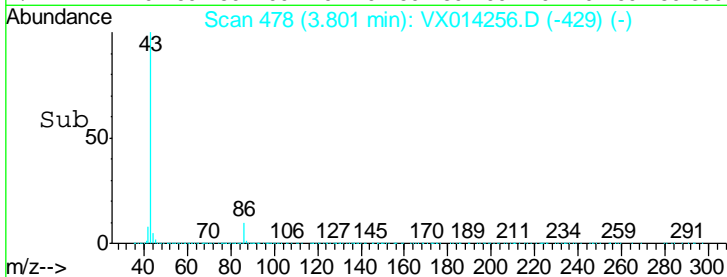
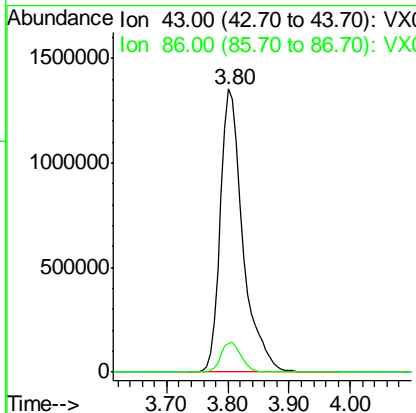
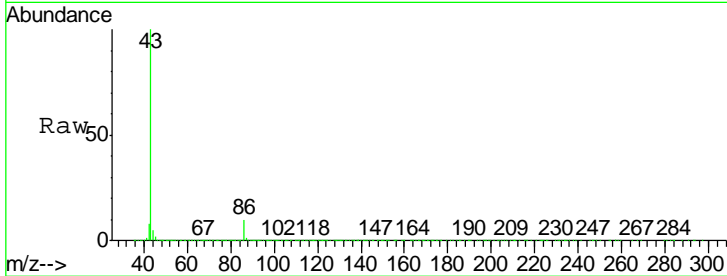


#23
 Vinyl Acetate
 Concen: 253.977 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.6	12.8

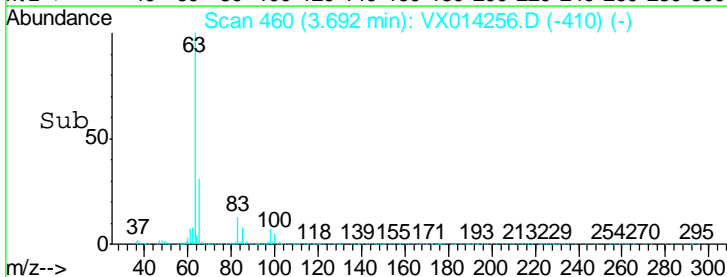
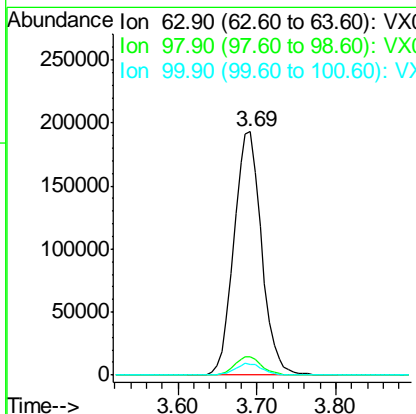
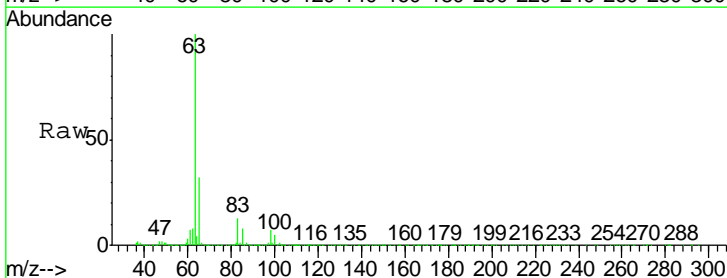
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

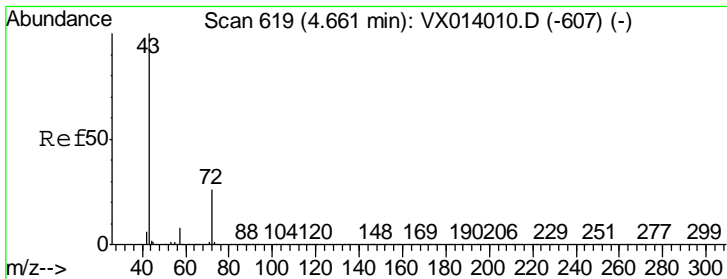
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#24
 1,1-Dichloroethane
 Concen: 50.428 ug/l
 RT: 3.69 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.5	2.3	6.8





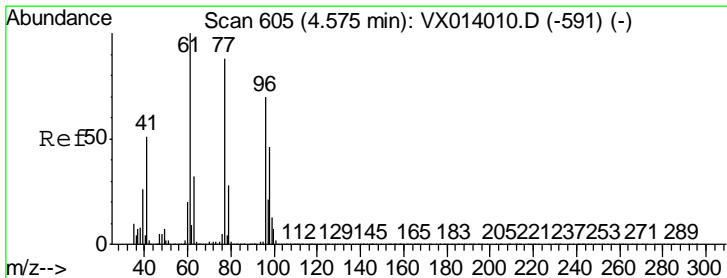
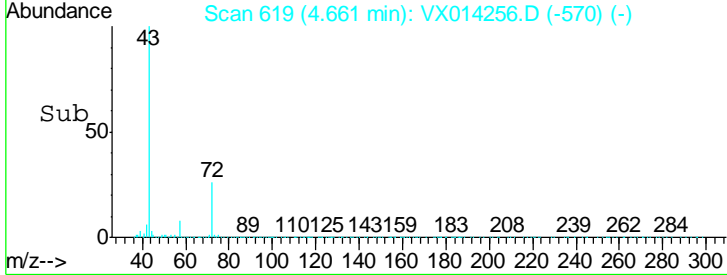
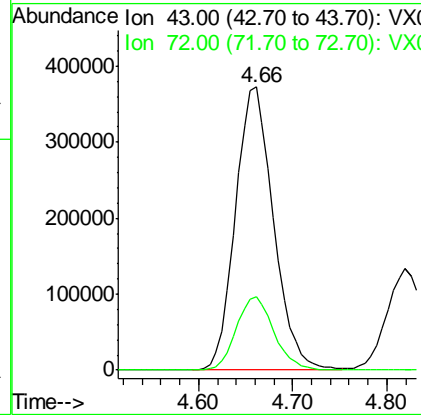
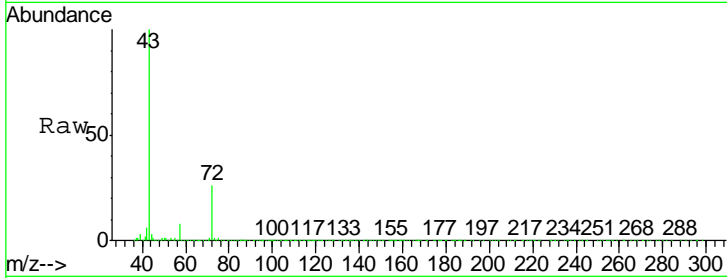
#25
 2-Butanone
 Concen: 235.059 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion: 43 Resp: 1041312

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.0	31.4

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

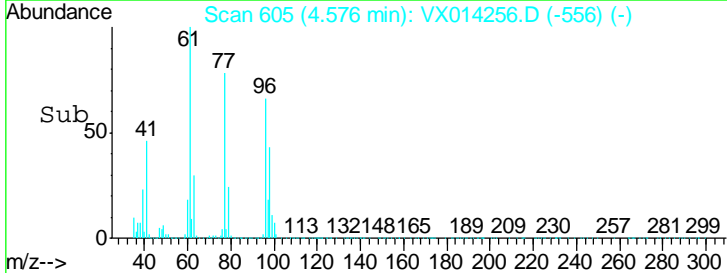
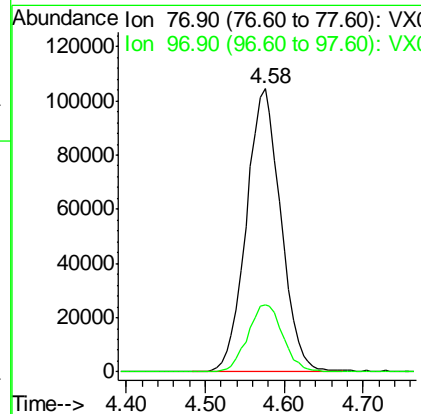
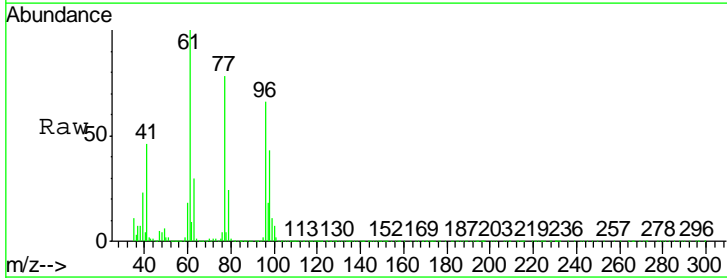
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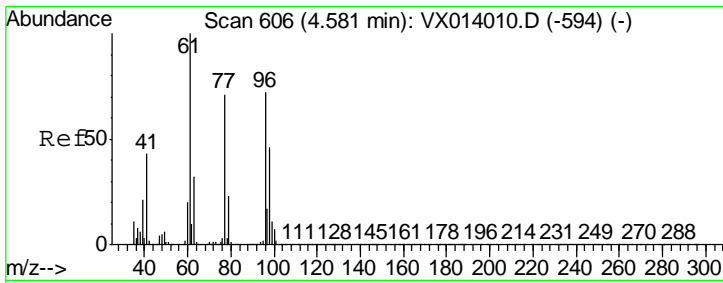


#26
 2,2-Dichloropropane
 Concen: 44.012 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion: 77 Resp: 317761

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.9	35.9





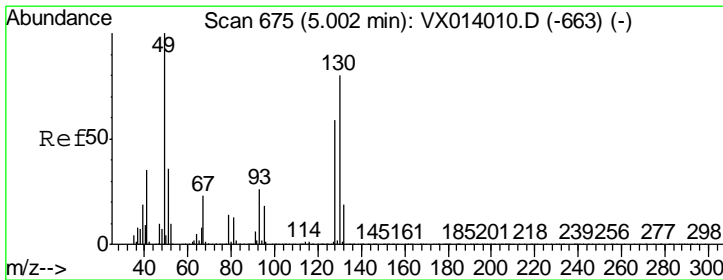
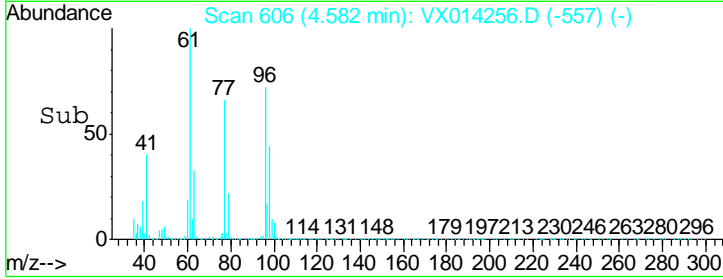
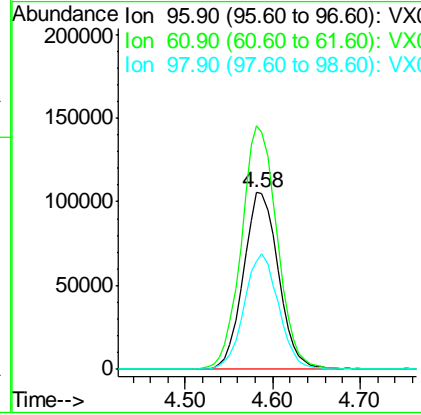
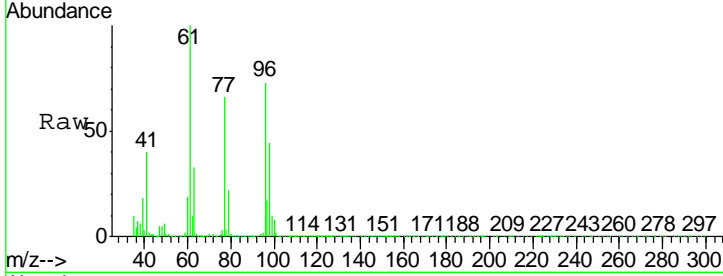
#27
 cis-1,2-Dichloroethene
 Concen: 50.392 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

Tgt Ion	Resp	Lower	Upper
96	294943		
96	100		
61	140.5	0.0	288.4
98	63.8	0.0	129.6

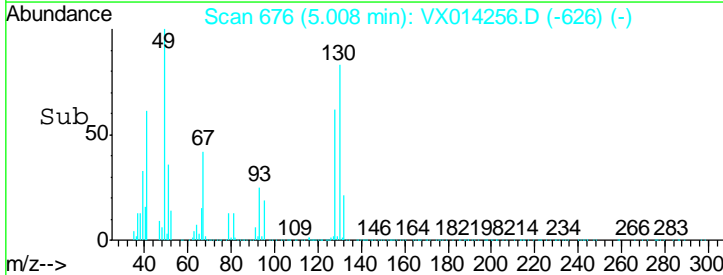
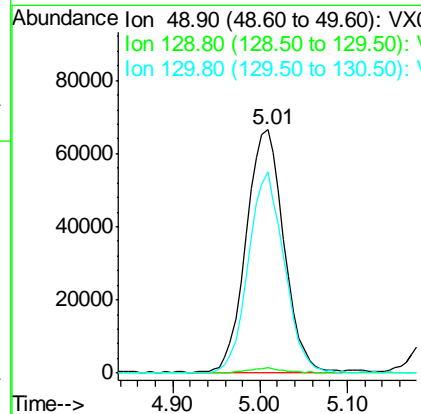
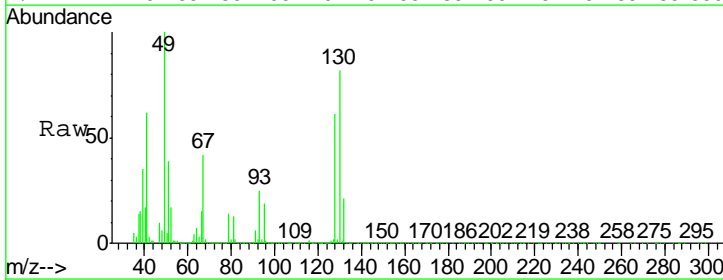
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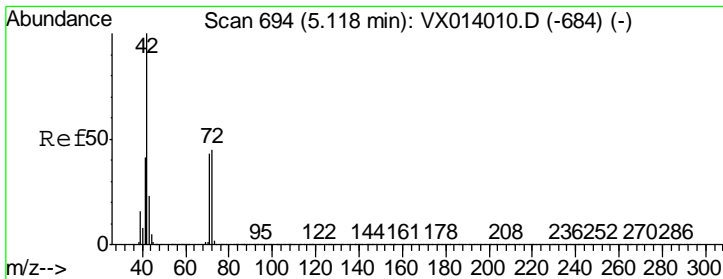
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#28
 Bromochloromethane
 Concen: 55.572 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
49	198920		
49	100		
129	2.2	0.0	5.0
130	78.6	64.6	97.0



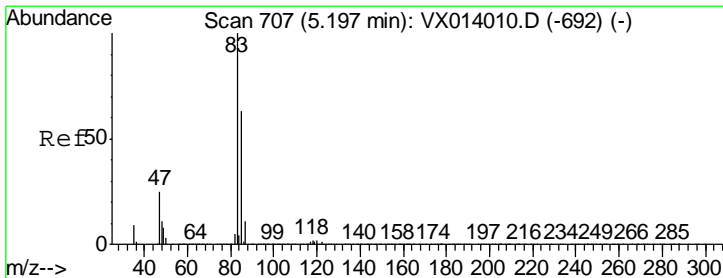
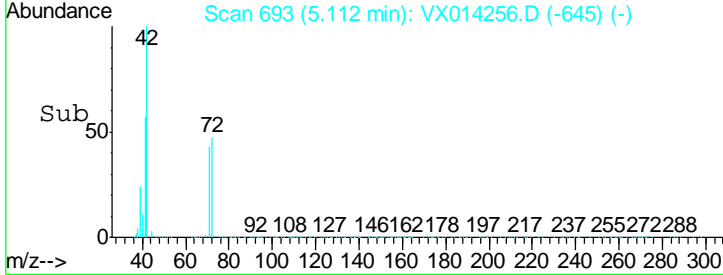
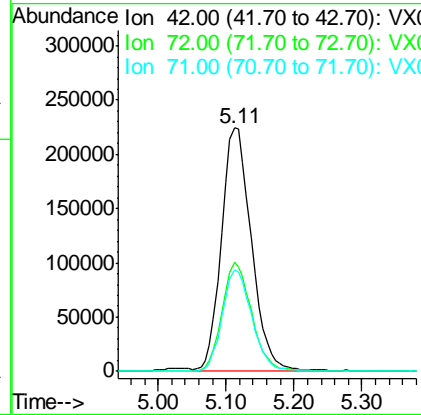
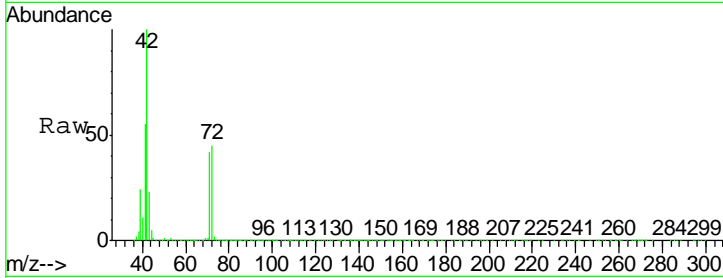


#29
 Tetrahydrofuran
 Concen: 275.249 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.5	35.8	53.8
71	41.4	33.6	50.4

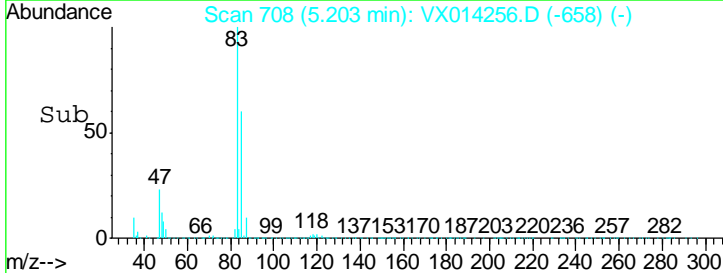
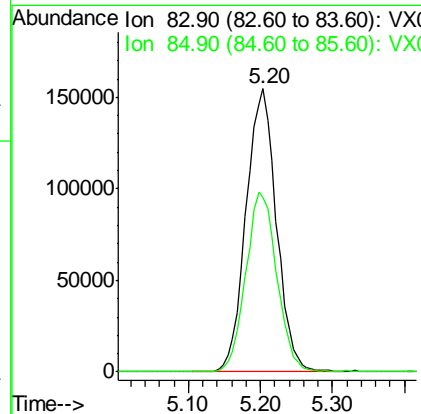
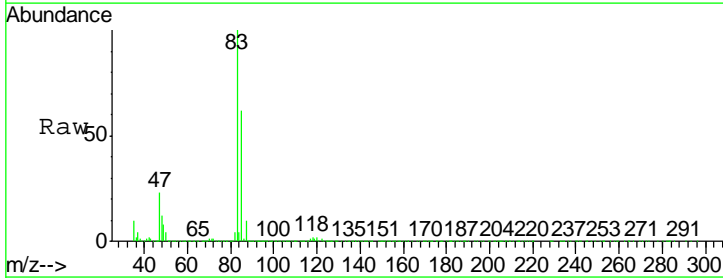
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

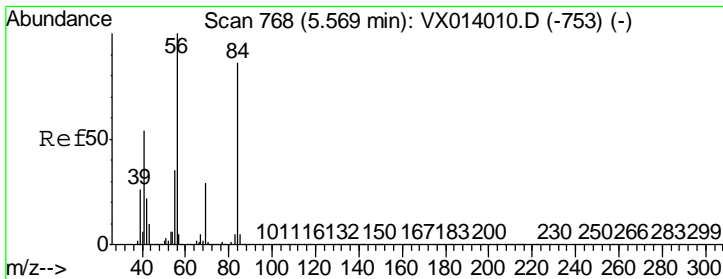
Manual Integrations APPROVED
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#30
 Chloroform
 Concen: 51.287 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
83	100		
85	61.6	50.8	76.2





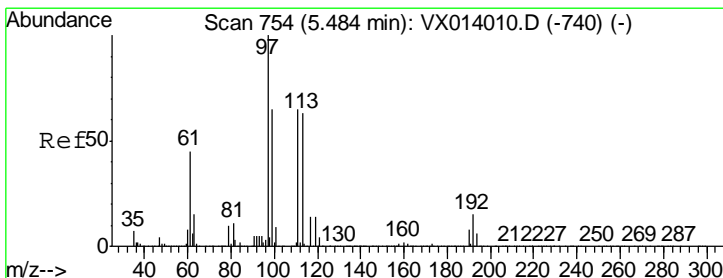
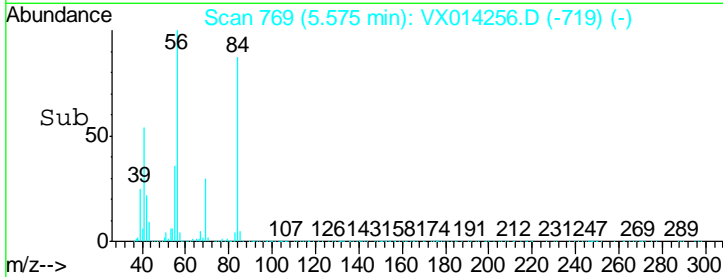
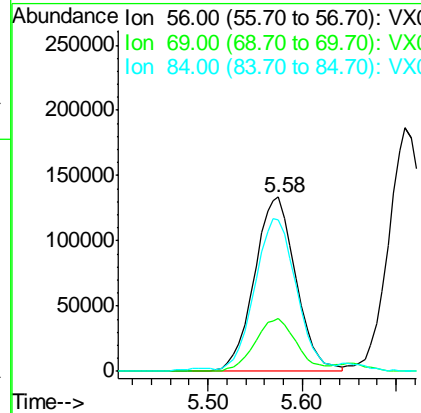
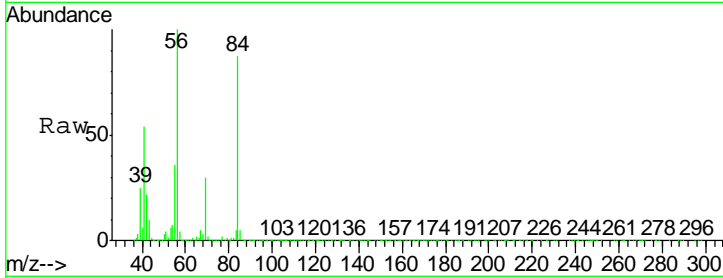
#31
 Cyclohexane
 Concen: 49.703 ug/l
 RT: 5.58 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.3	23.2	34.8
84	85.2	69.2	103.8

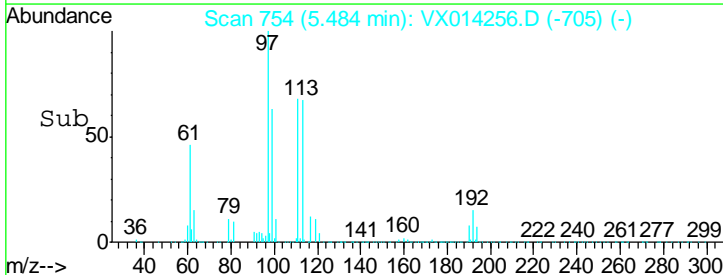
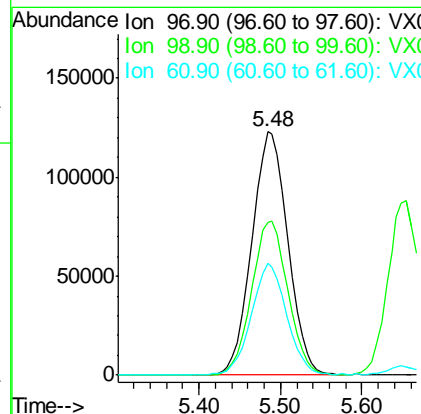
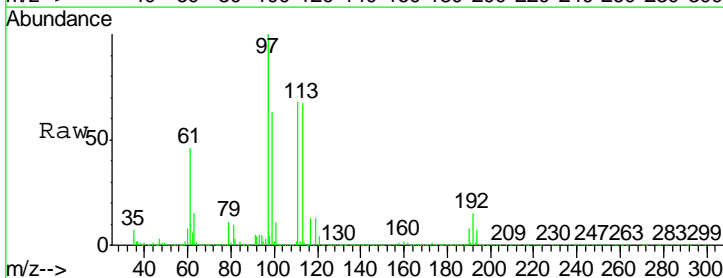
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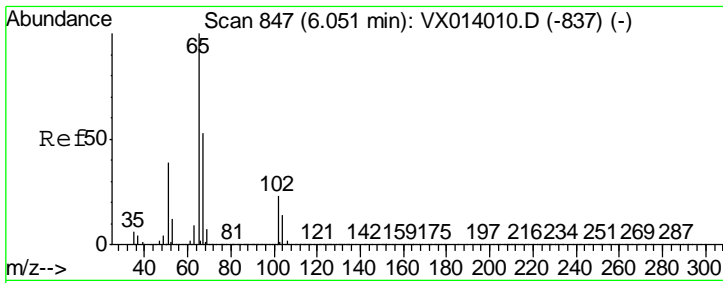
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#32
 1,1,1-Trichloroethane
 Concen: 50.325 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.4	52.0	78.0
61	44.9	36.7	55.1



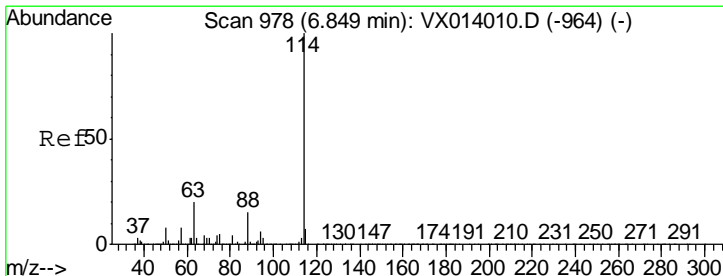
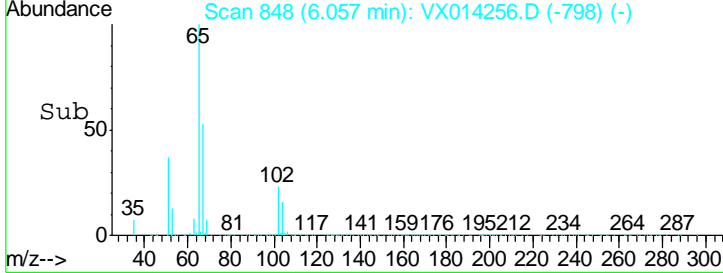
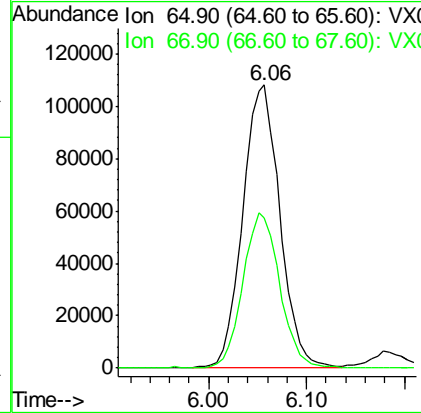
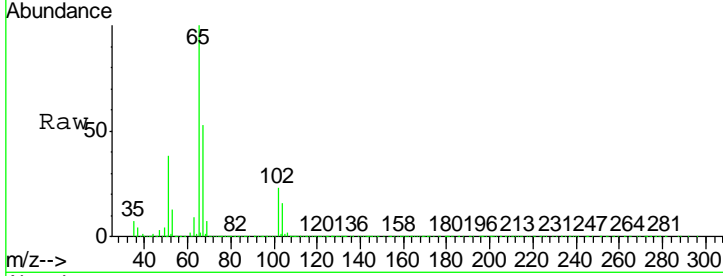


#33
 1,2-Dichloroethane-d4
 Concen: 51.124 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.5	0.0	106.4

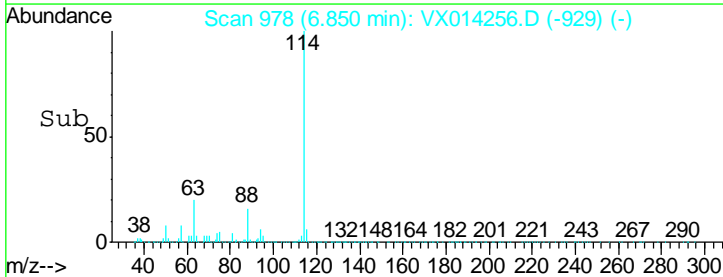
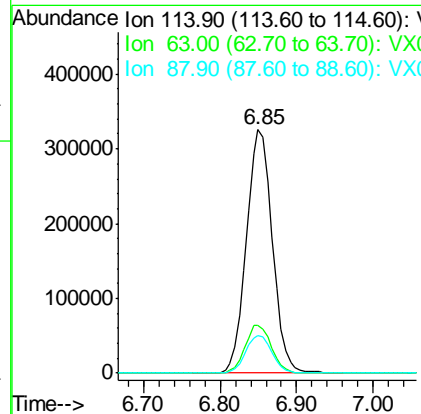
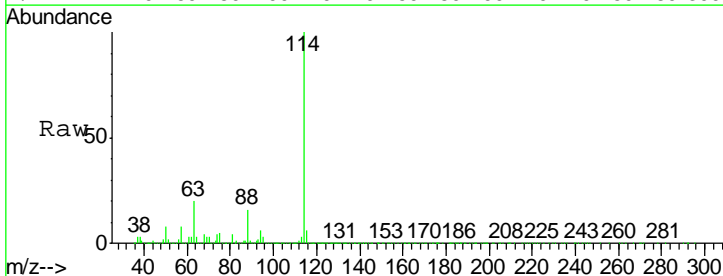
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

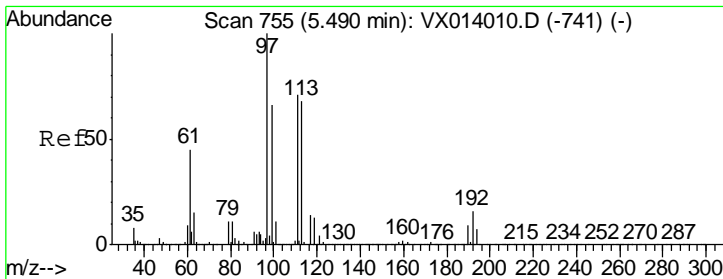
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

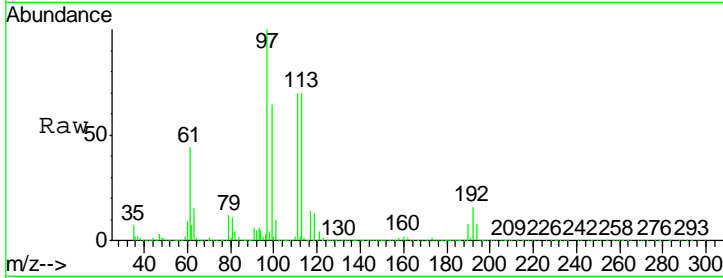
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.7	0.0	40.8
88	15.5	0.0	30.4





#35
 Dibromofluoromethane
 Concen: 51.683 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

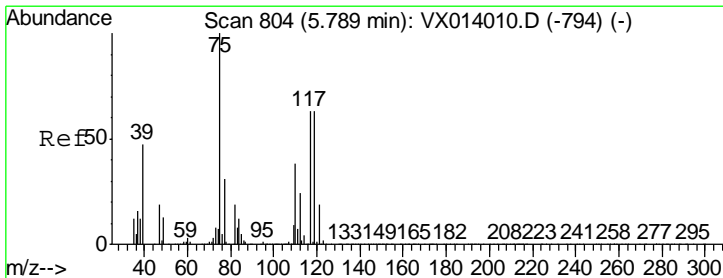
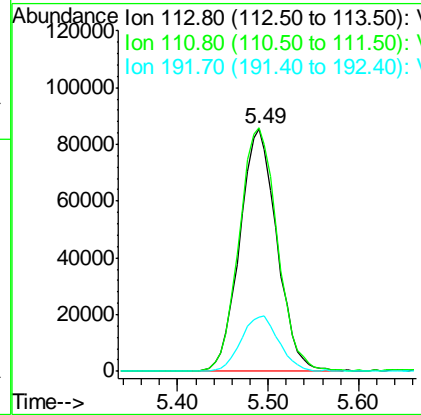
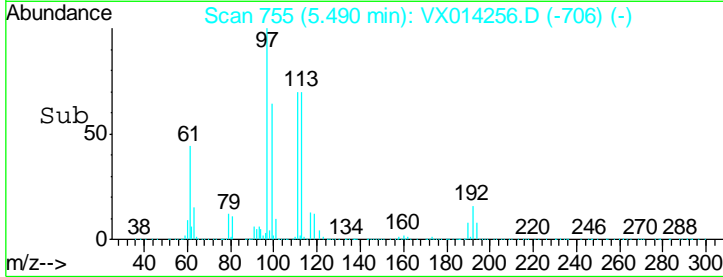
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



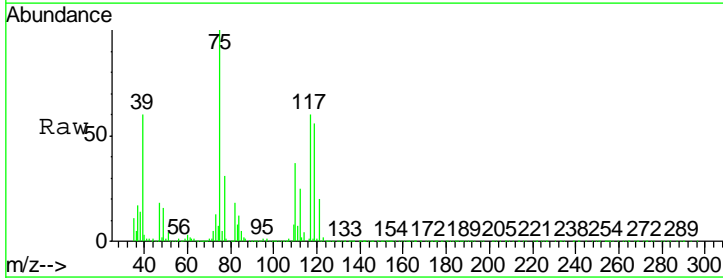
Tgt Ion	Resp	Lower	Upper
113	241087		
113	100		
111	103.6	82.0	123.0
192	23.5	19.3	28.9

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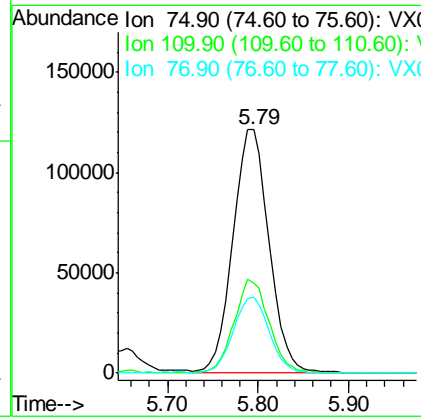
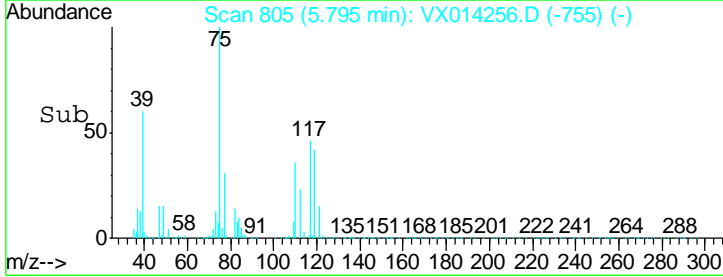
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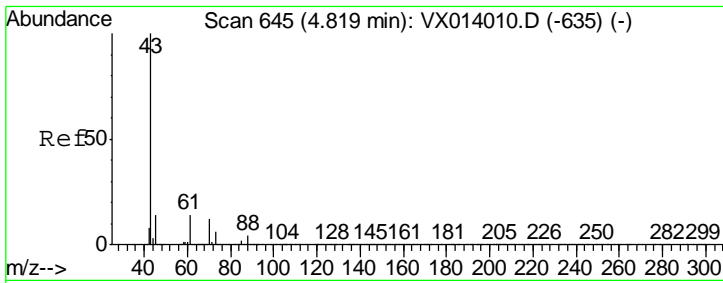


#36
 1,1-Dichloropropene
 Concen: 47.238 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



Tgt Ion	Resp	Lower	Upper
75	332600		
75	100		
110	37.4	18.3	54.9
77	30.7	24.8	37.2



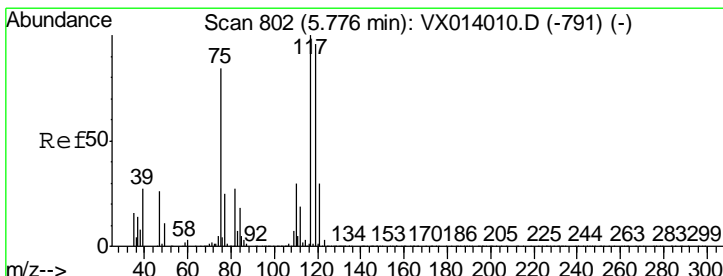
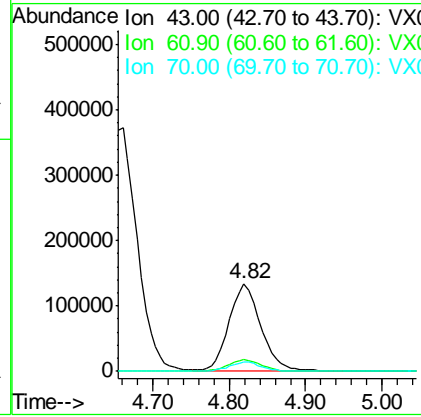
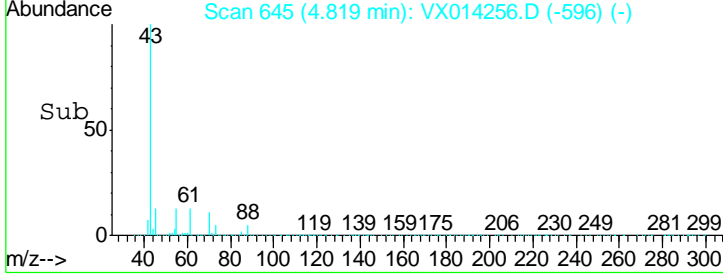
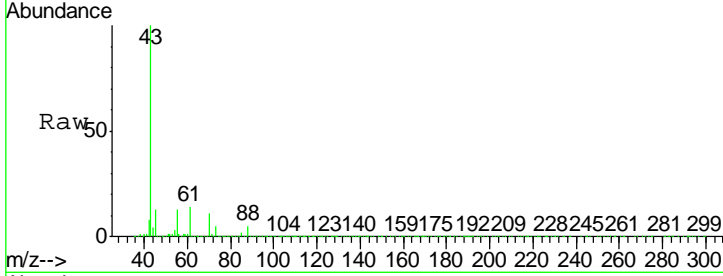


#37
 Ethyl Acetate
 Concen: 48.994 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.6	10.8	16.2
70	10.5	8.6	12.8

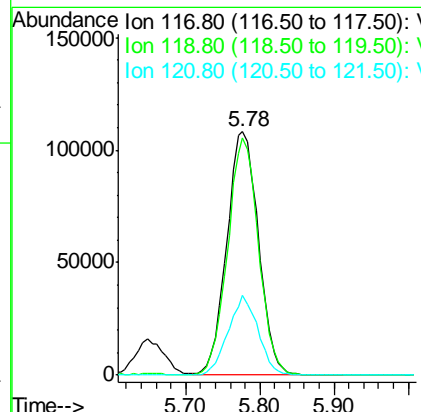
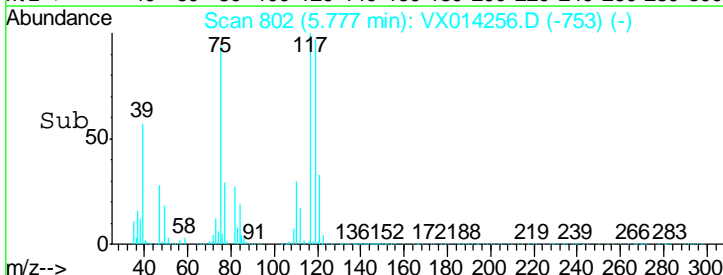
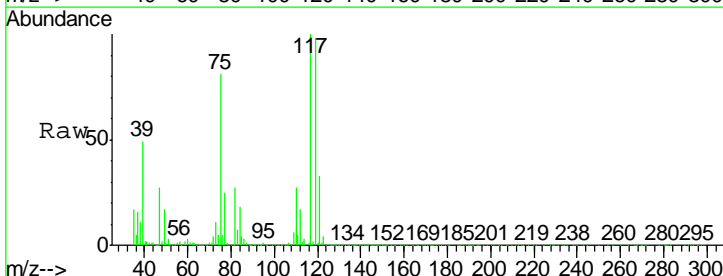
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

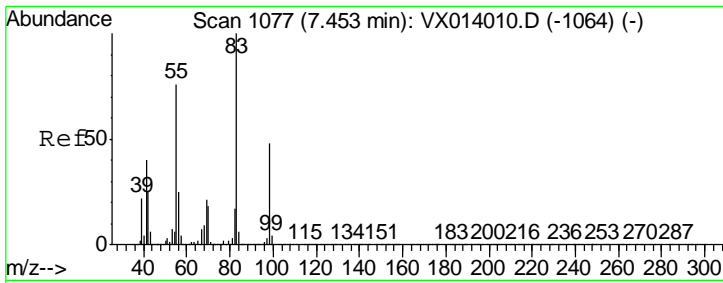
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#38
 Carbon Tetrachloride
 Concen: 49.855 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.6	76.2	114.4
121	32.6	23.6	35.4





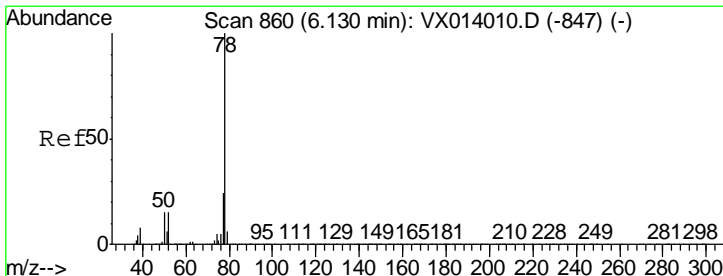
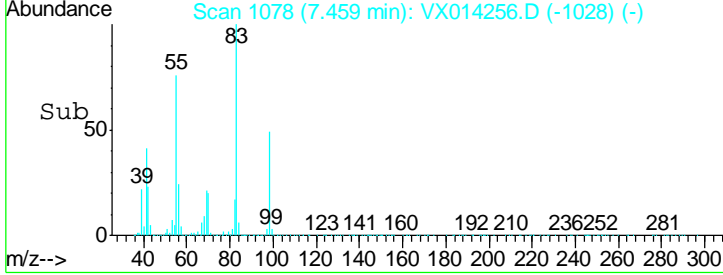
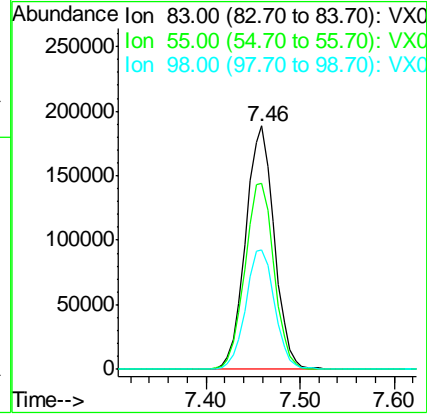
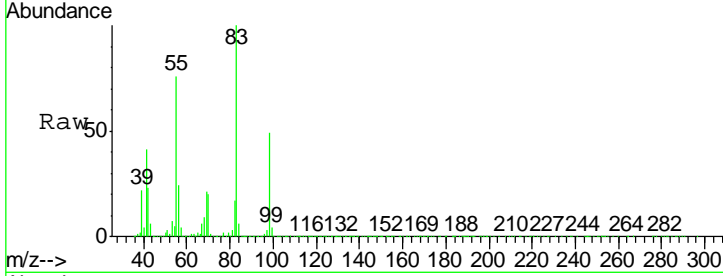
#39
 Methylcyclohexane
 Concen: 46.051 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

Tgt Ion	Resp	Lower	Upper
83	400357		
83	100		
55	76.4	61.0	91.6
98	48.8	38.6	57.8

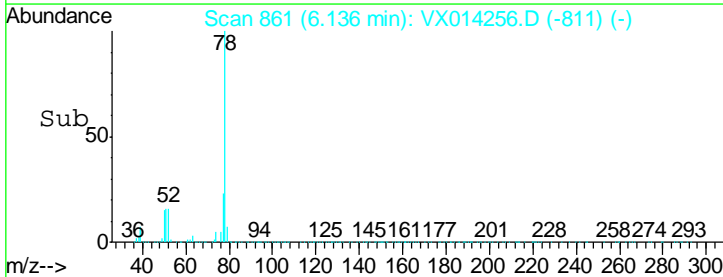
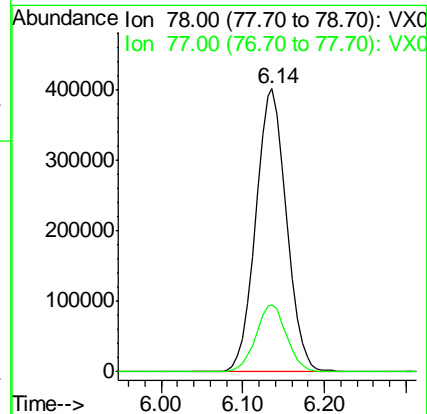
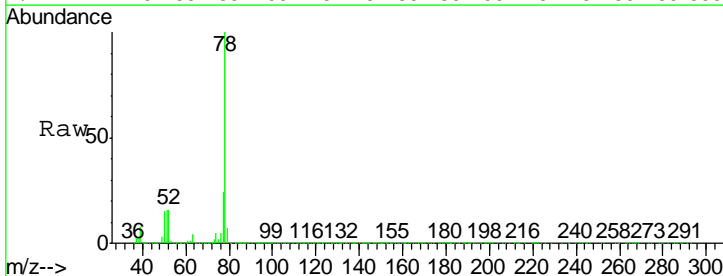
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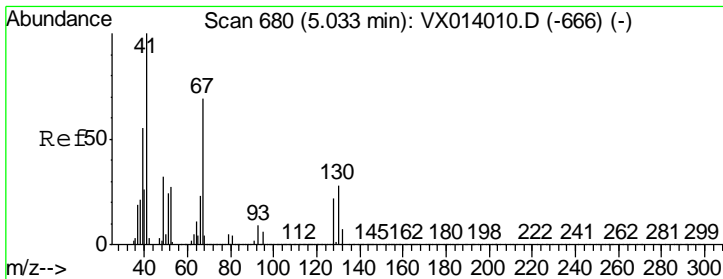
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#40
 Benzene
 Concen: 48.723 ug/l
 RT: 6.14 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

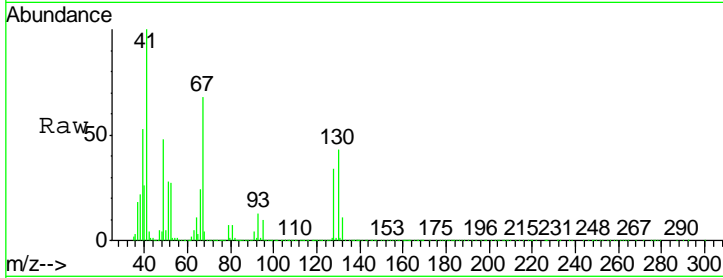
Tgt Ion	Resp	Lower	Upper
78	1055542		
78	100		
77	23.8	18.8	28.2





#41
 Methacrylonitrile
 Concen: 52.074 ug/l
 RT: 5.03 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

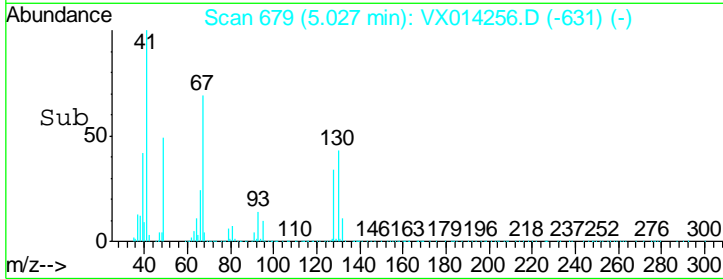
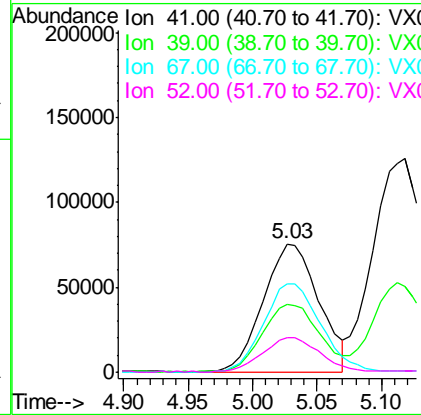
Instrument : MSVOA_X
 ClientSampleId : 996-MW-15-(17)MSD



Tgt Ion: 41 Resp: 224651

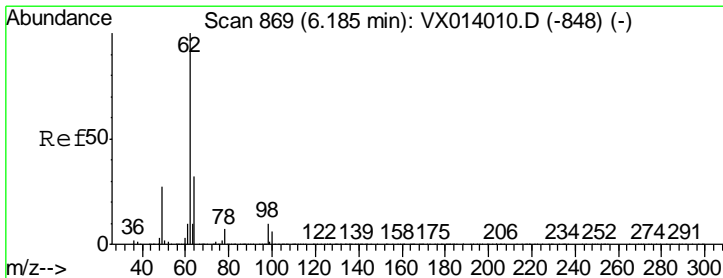
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.5	66.7
67	71.0	57.4	86.0
52	28.0	23.0	34.4

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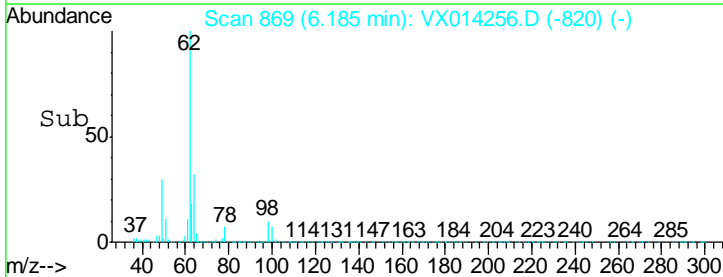
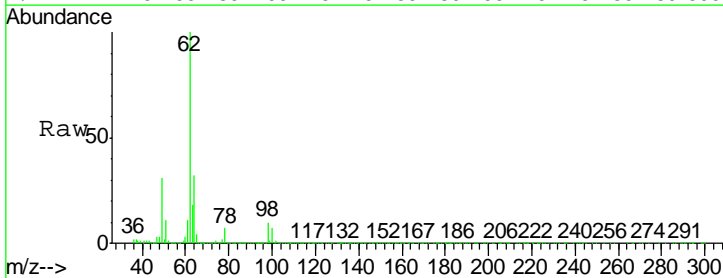
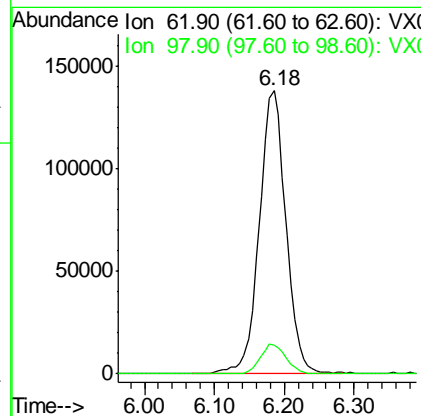
#42
 1,2-Dichloroethane
 Concen: 49.285 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

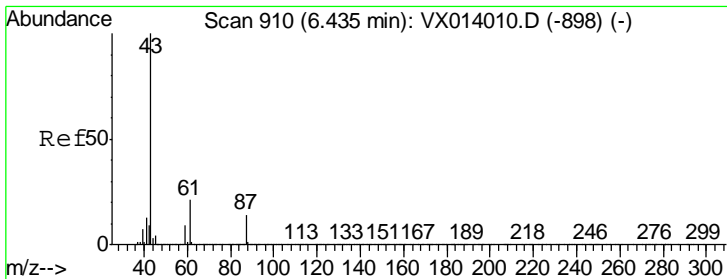
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16



Tgt Ion: 62 Resp: 361931

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	21.0



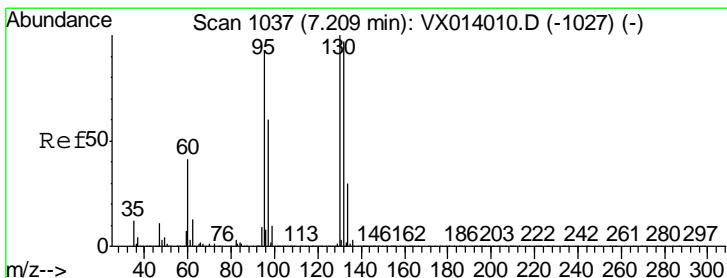
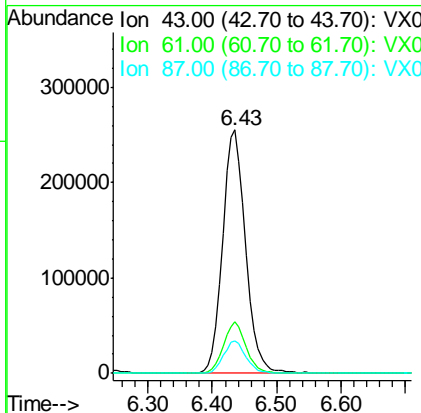
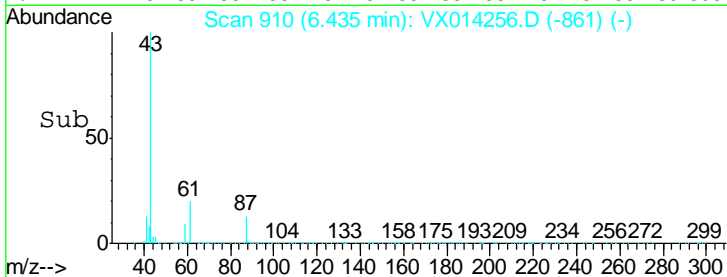
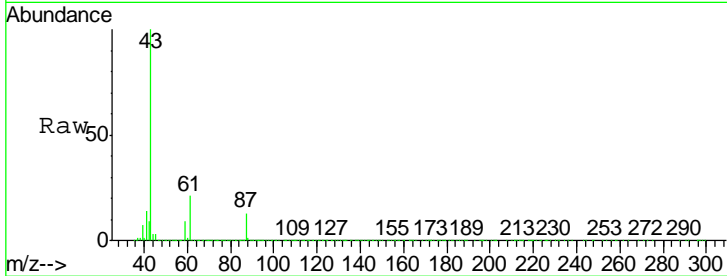


#43
 Isopropyl Acetate
 Concen: 49.643 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.6	16.4	24.6
87	13.0	10.7	16.1

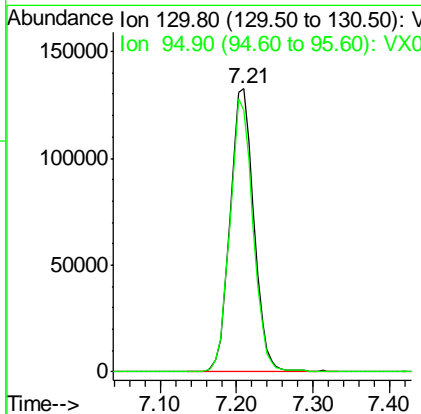
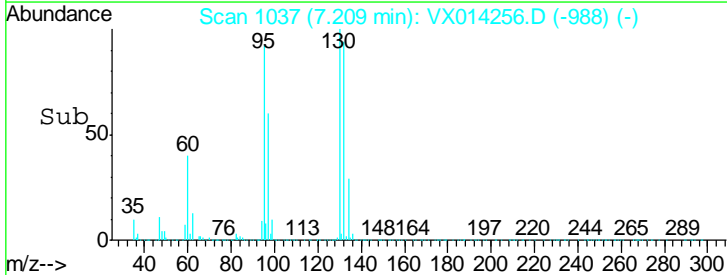
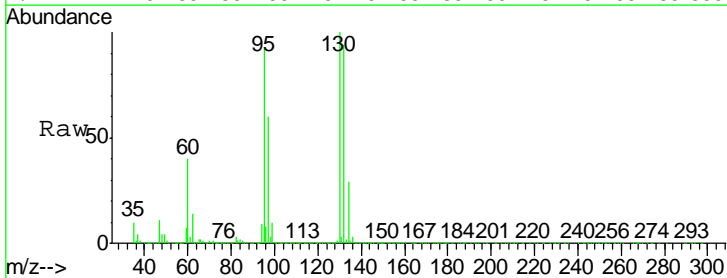
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

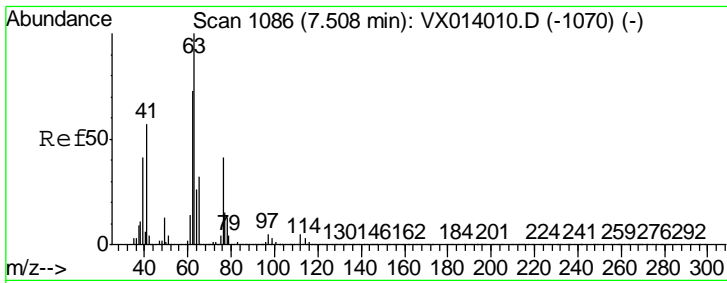
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#44
 Trichloroethene
 Concen: 47.749 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
130	100		
95	92.5	0.0	185.6



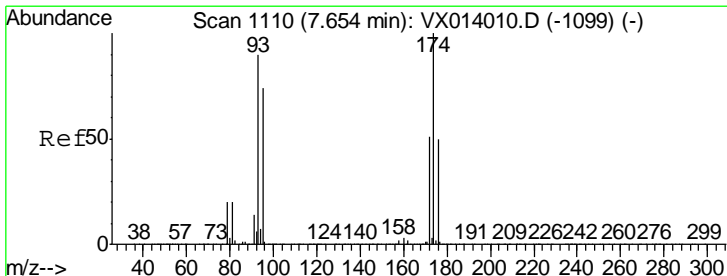
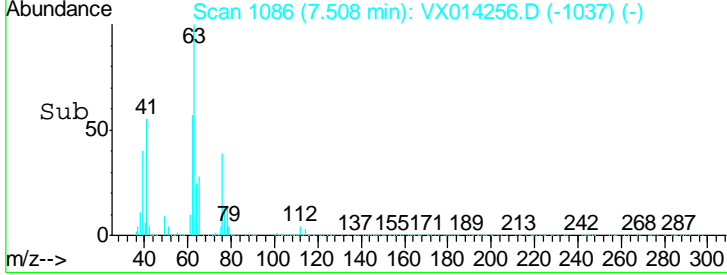
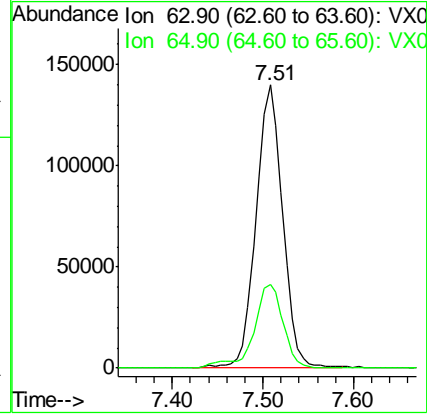
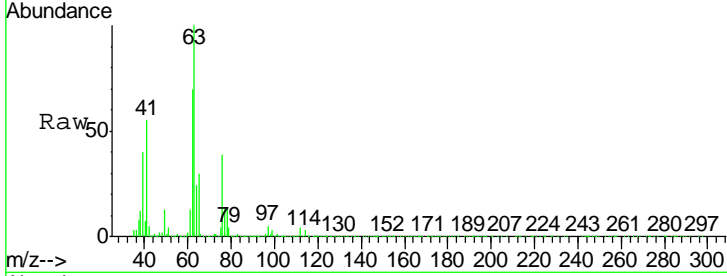


#45
 1,2-Dichloropropane
 Concen: 50.966 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
63	100		
65	29.5	25.8	38.8

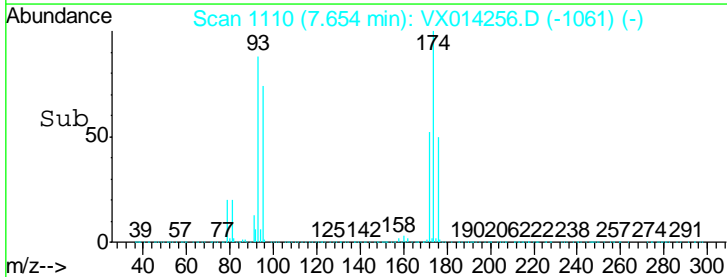
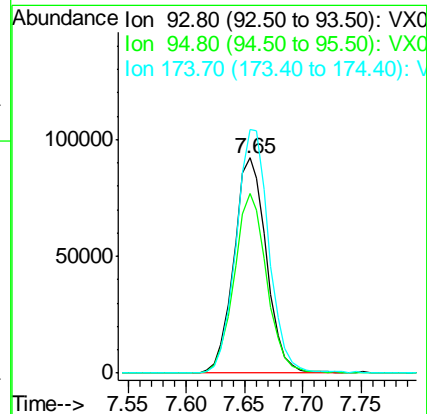
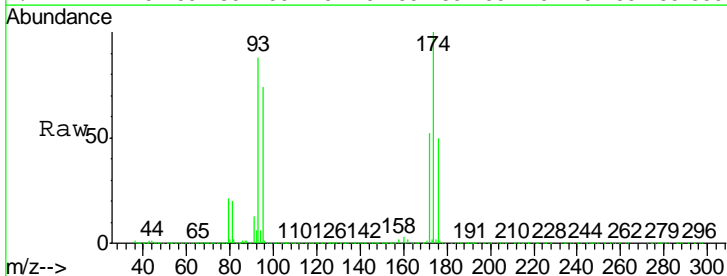
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

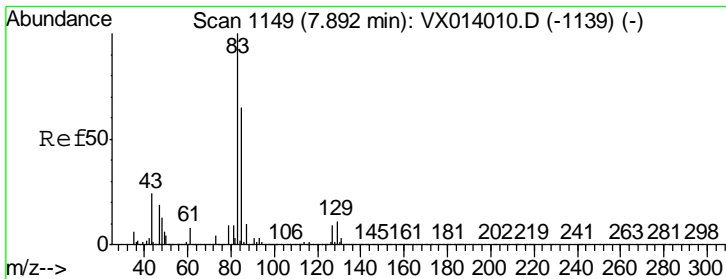
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#46
 Dibromomethane
 Concen: 48.363 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.5	67.3	100.9
174	115.3	91.6	137.4

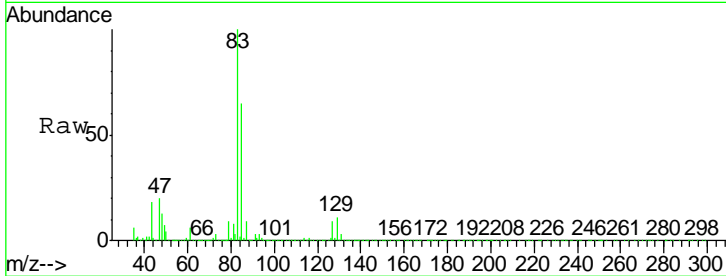




#47

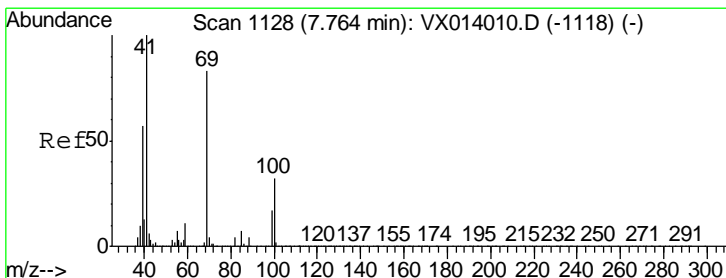
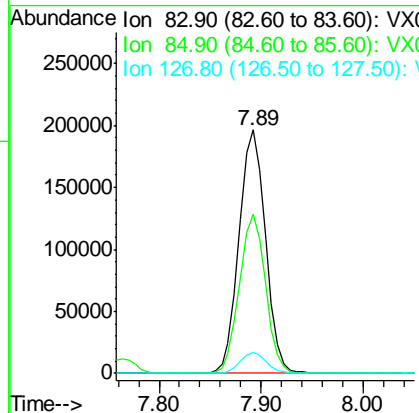
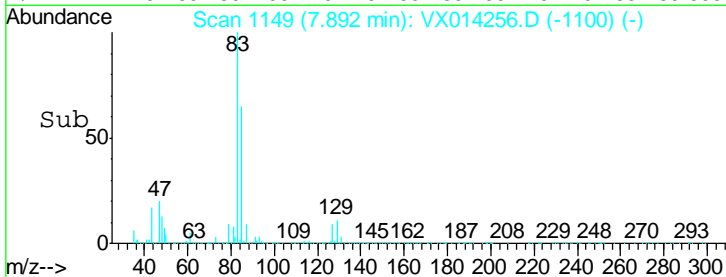
Bromodichloromethane
 Concen: 50.911 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



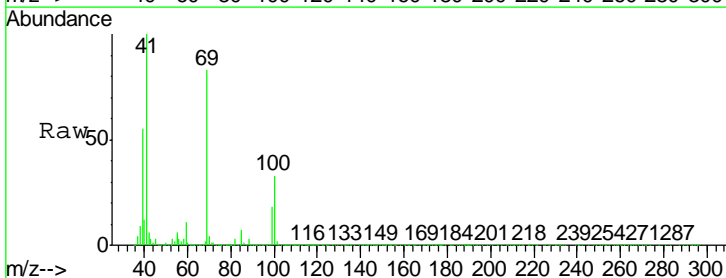
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8
127	8.6	7.0	10.4

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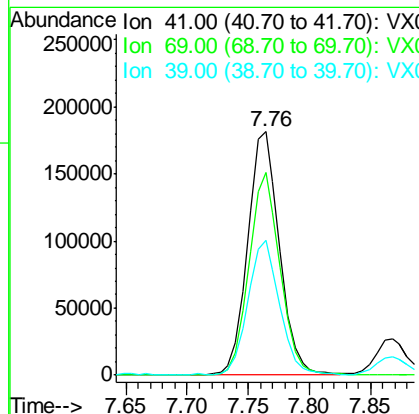
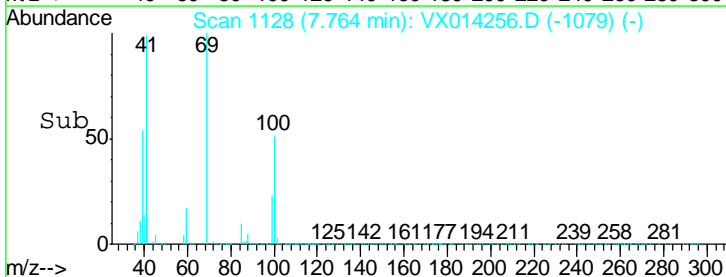


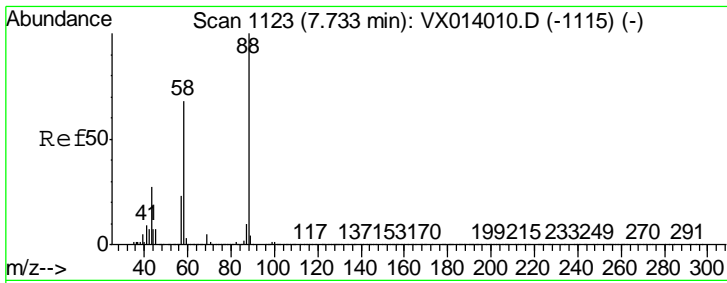
#48

Methyl methacrylate
 Concen: 51.870 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.8	65.8	98.6
39	54.4	44.6	67.0



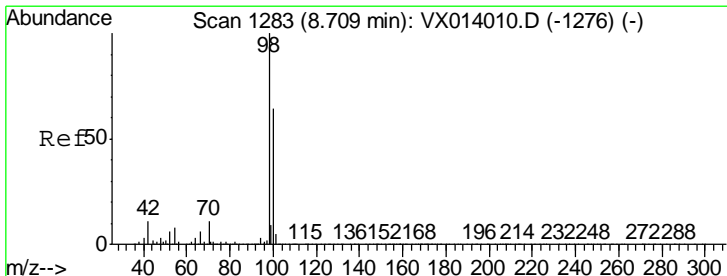
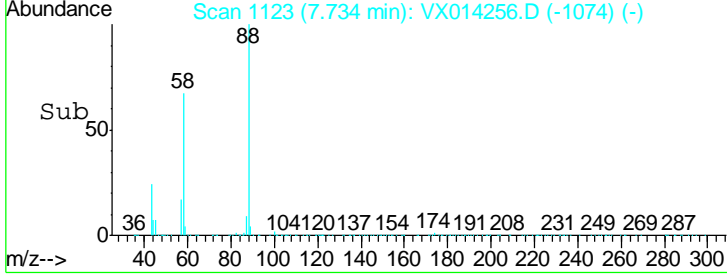
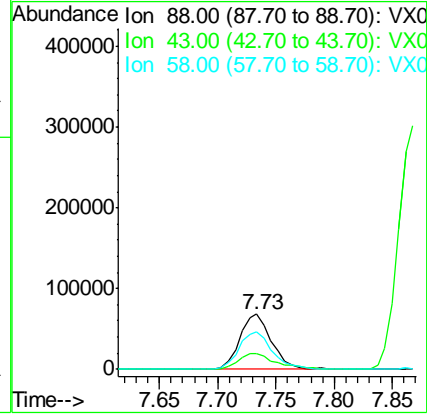
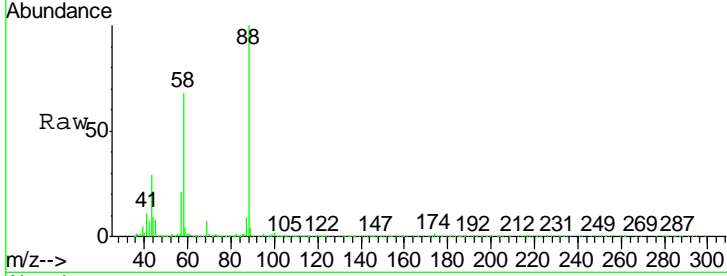


#49
 1,4-Dioxane
 Concen: 994.815 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
88	127560		
43	33.9	26.5	39.7
58	71.2	56.8	85.2

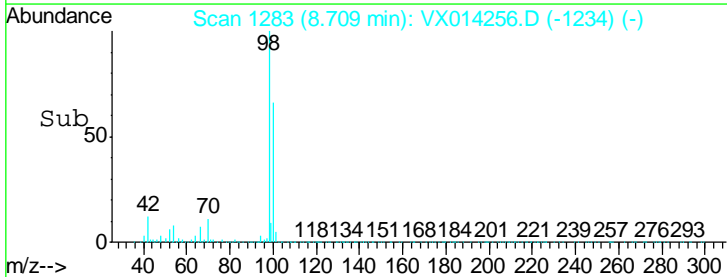
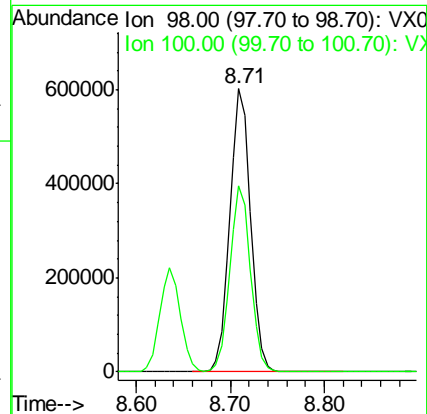
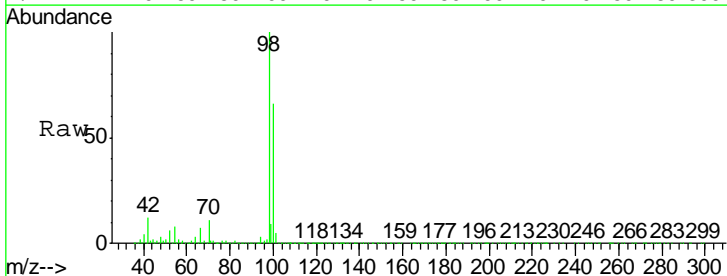
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

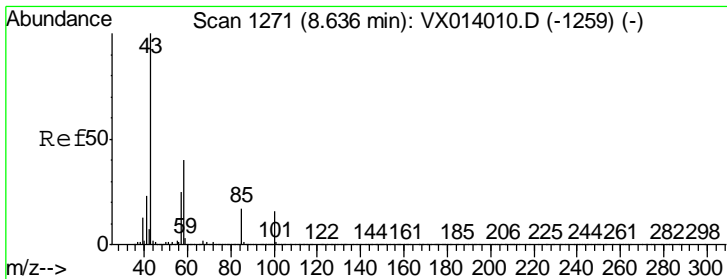
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#50
 Toluene-d8
 Concen: 50.573 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

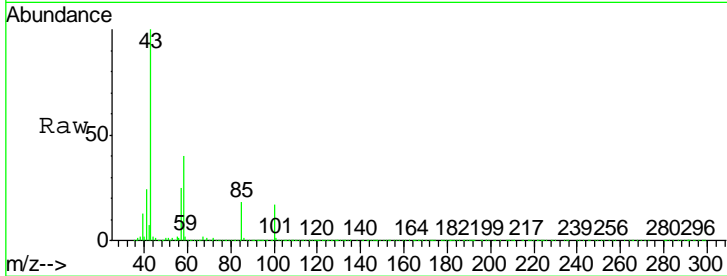
Tgt Ion	Resp	Lower	Upper
98	918443		
100	65.3	52.9	79.3





#51
 4-Methyl-2-Pentanone
 Concen: 259.776 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

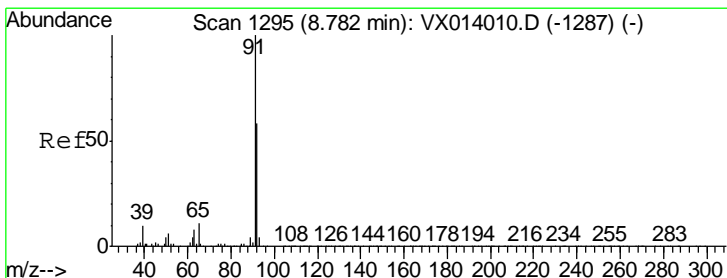
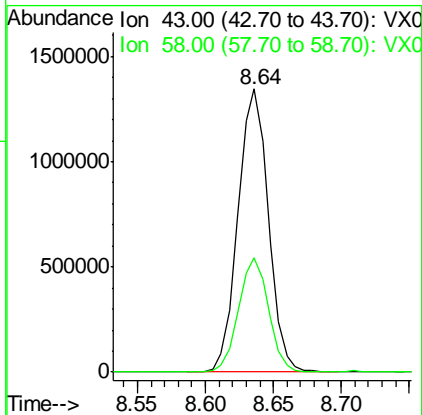
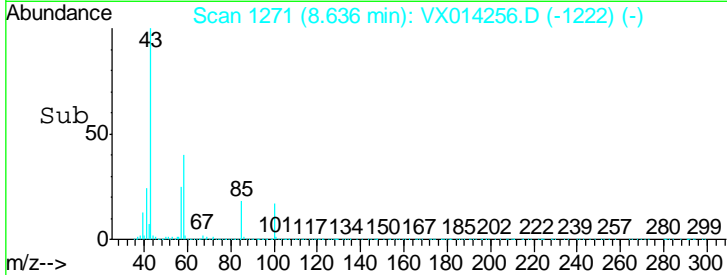
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



Tgt Ion: 43 Resp: 2099265

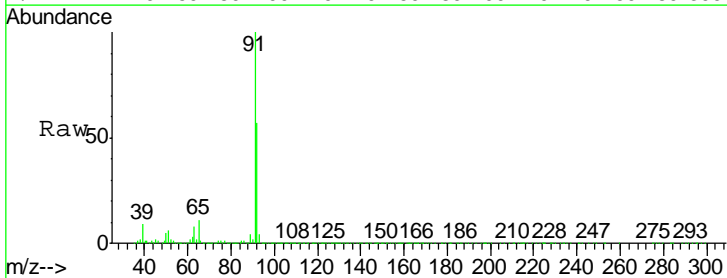
Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.2	48.2

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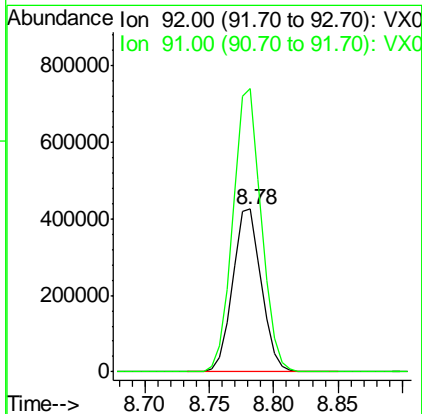
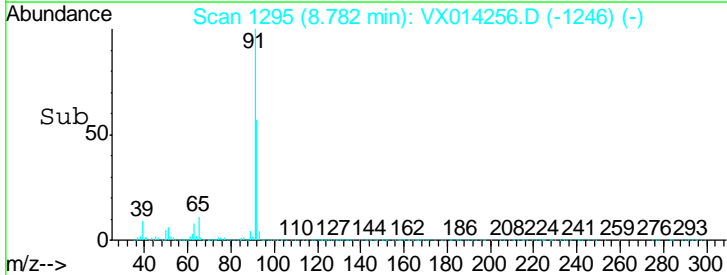
#52
 Toluene
 Concen: 48.118 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

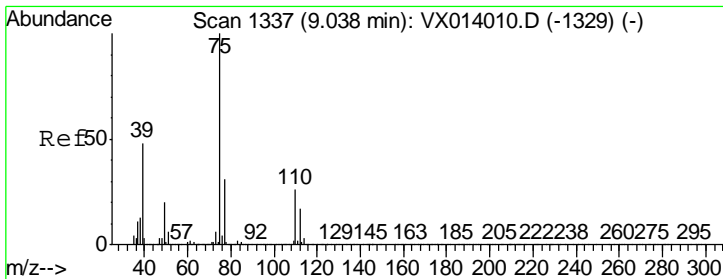
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



Tgt Ion: 92 Resp: 658898

Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.2	204.4



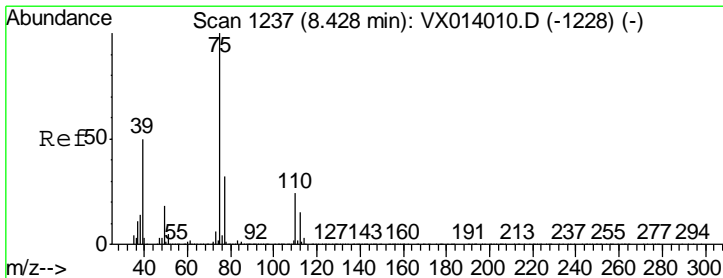
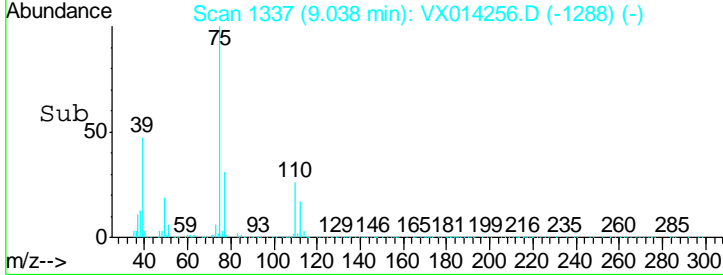
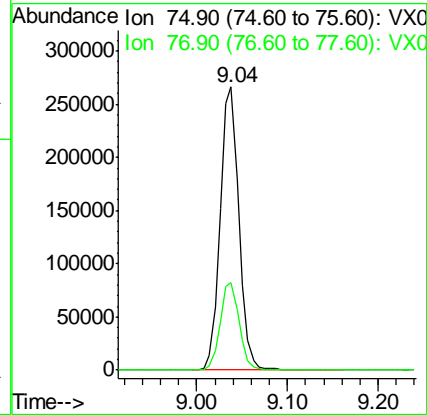
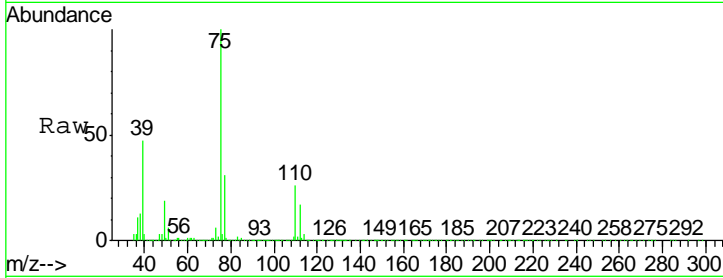


#53
 t-1,3-Dichloropropene
 Concen: 50.659 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.0	25.1	37.7

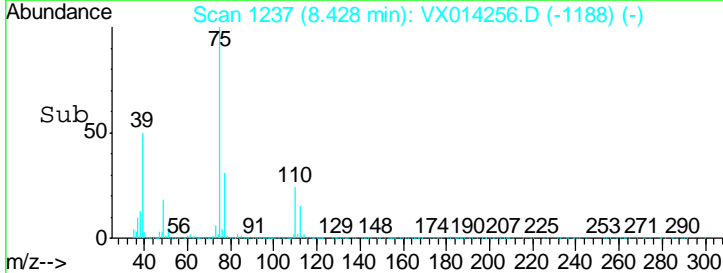
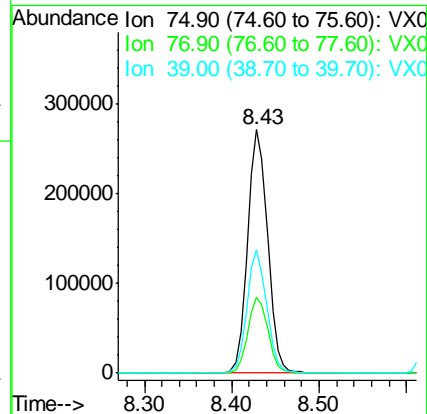
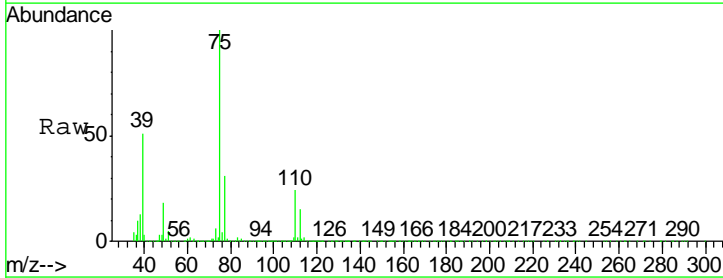
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

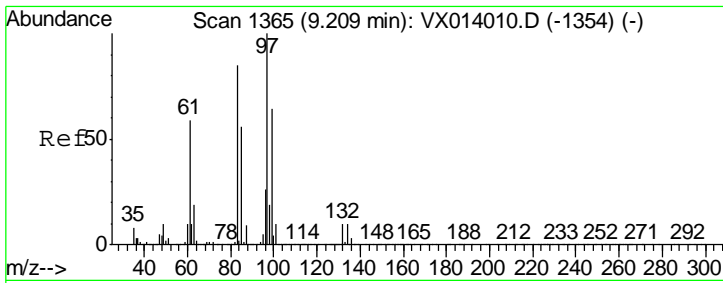
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#54
 cis-1,3-Dichloropropene
 Concen: 50.814 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

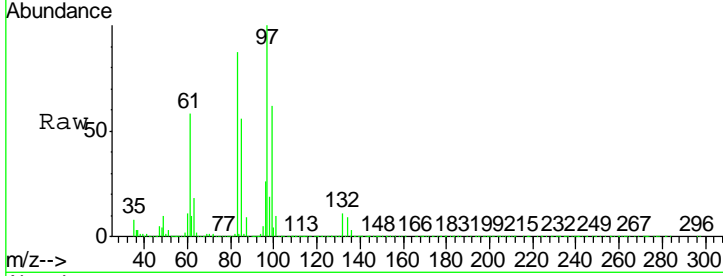
Tgt Ion	Resp	Lower	Upper
75	100		
77	30.9	25.3	37.9
39	50.4	39.9	59.9





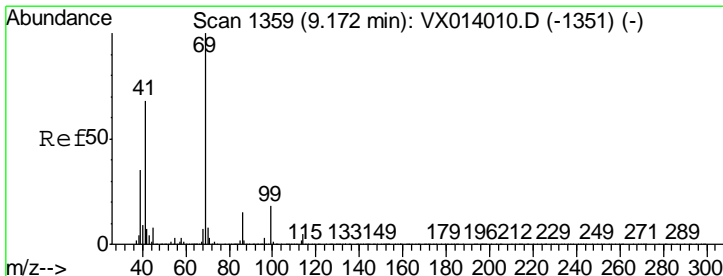
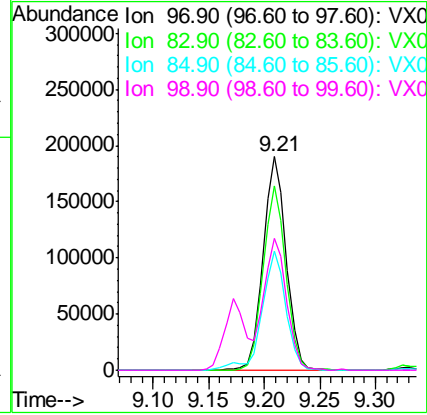
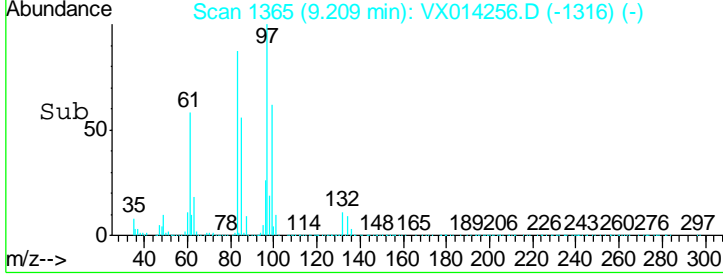
#55
 1,1,2-Trichloroethane
 Concen: 49.991 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



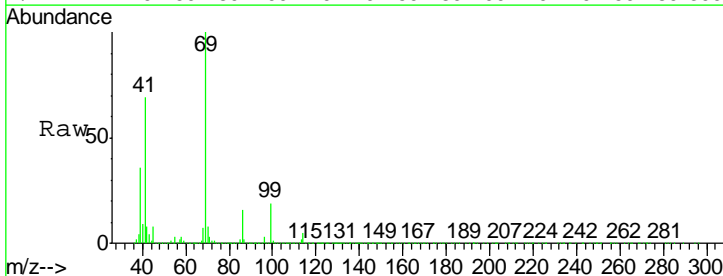
Tgt Ion	Resp	Lower	Upper
97	100		
83	86.4	68.2	102.4
85	55.8	44.6	66.8
99	61.7	51.4	77.0

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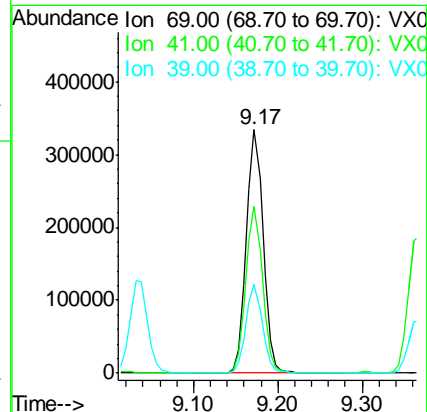
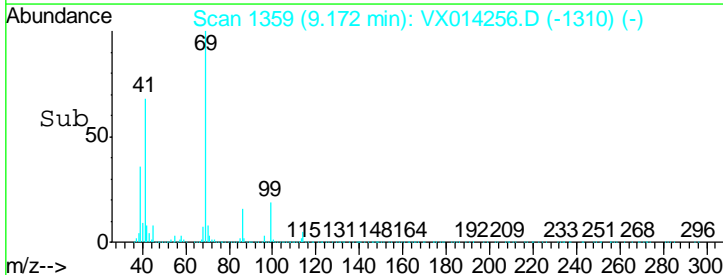


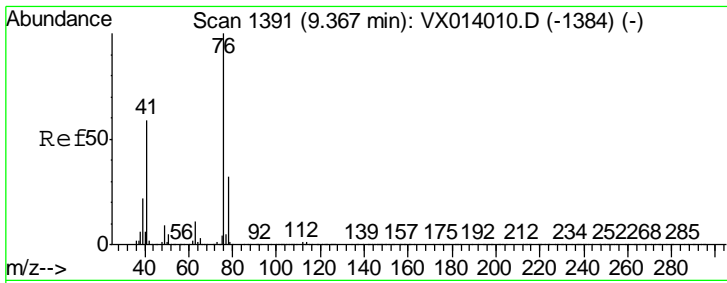
#56
 Ethyl methacrylate
 Concen: 51.602 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



Tgt Ion	Resp	Lower	Upper
69	100		
41	67.7	54.8	82.2
39	35.3	28.3	42.5



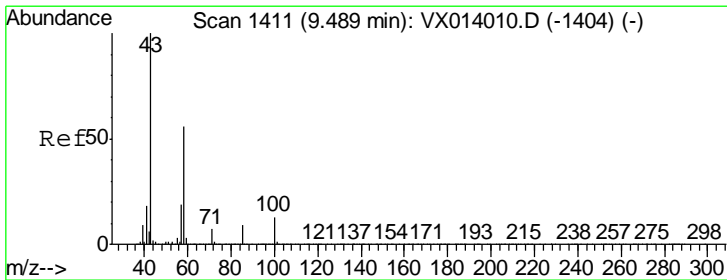
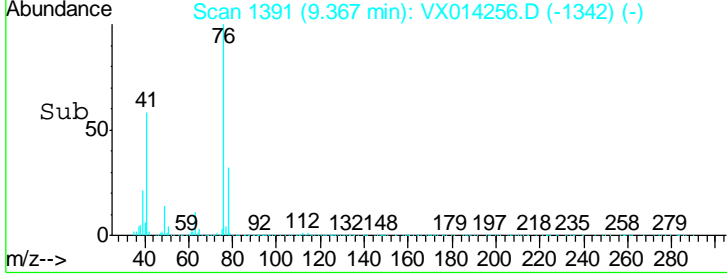
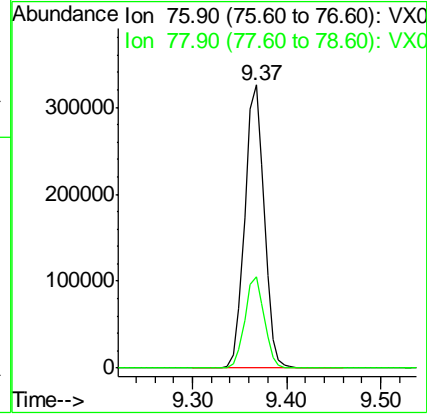
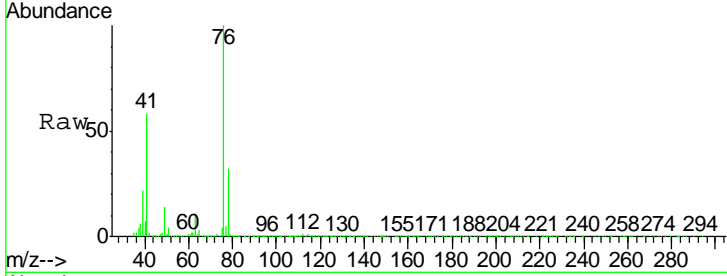


#57
 1,3-Dichloropropane
 Concen: 50.513 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
76	466423		
76	100		
78	32.3	25.8	38.6

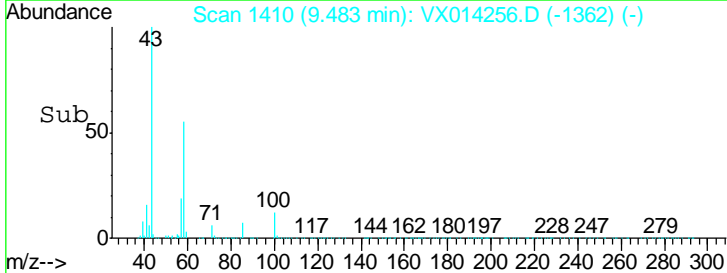
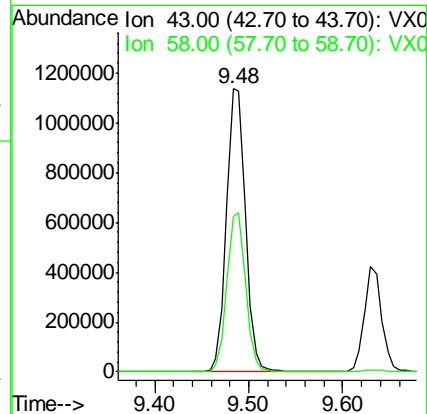
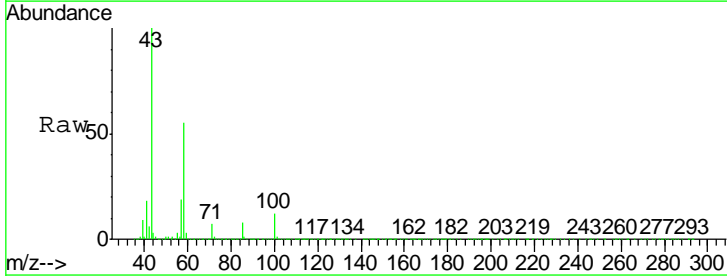
Instrument : MSVOA_X
 ClientSampled : 996-MW-15-(17)MSD

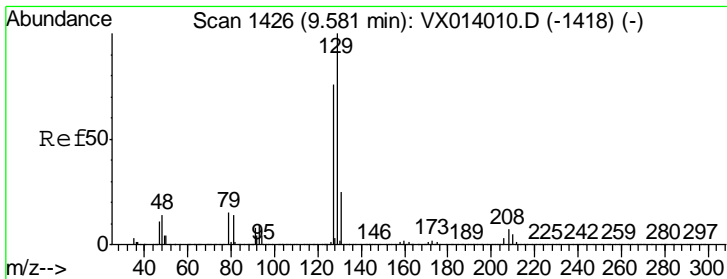
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#59
 2-Hexanone
 Concen: 244.859 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
43	1592875		
43	100		
58	55.9	28.0	84.0





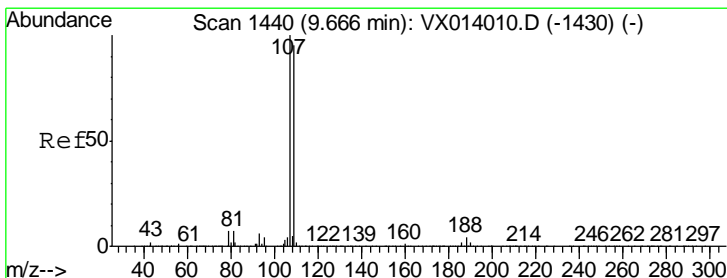
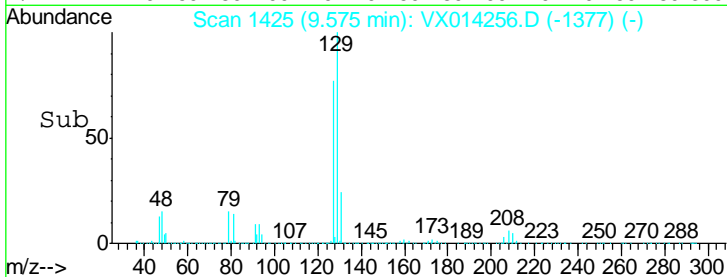
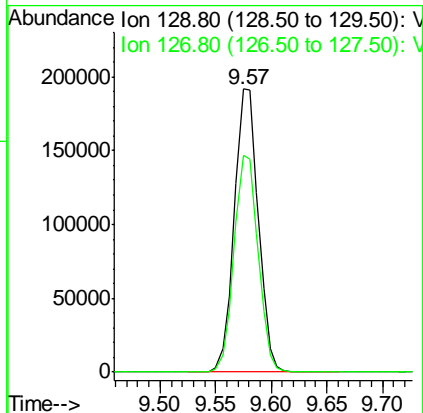
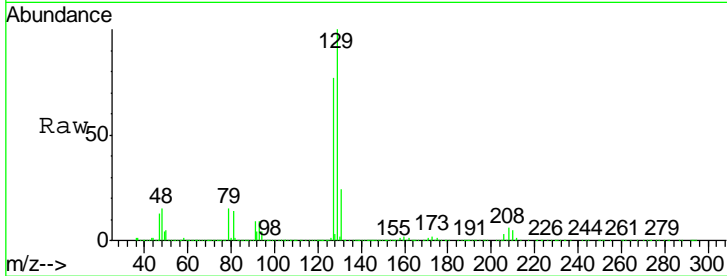
#60
 Dibromochloromethane
 Concen: 52.442 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

Tgt Ion	Resp	Lower	Upper
129	286082		
127	76.8	38.4	115.2

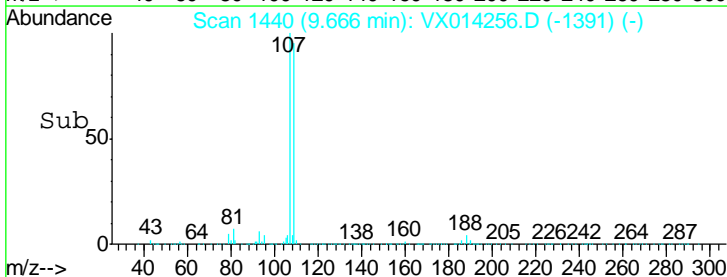
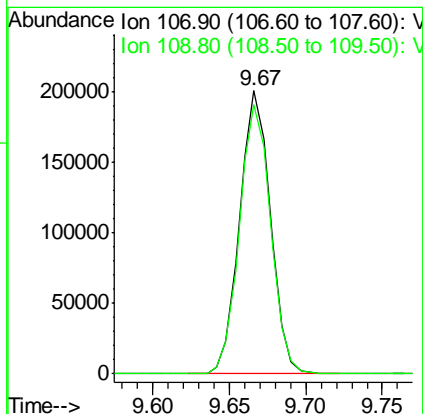
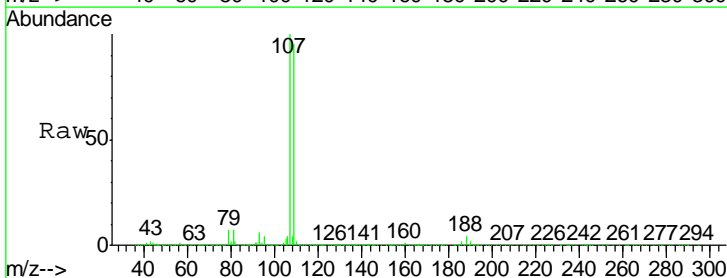
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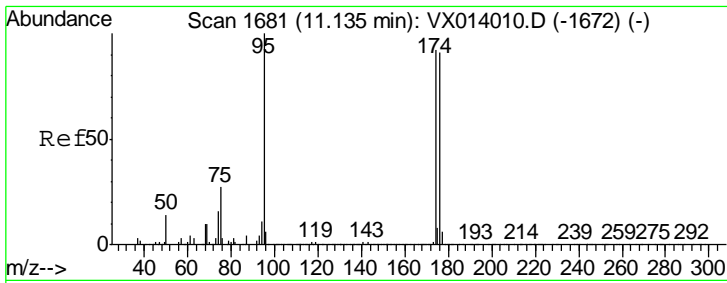
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#61
 1,2-Dibromoethane
 Concen: 49.954 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
107	280500		
109	96.3	75.7	113.5



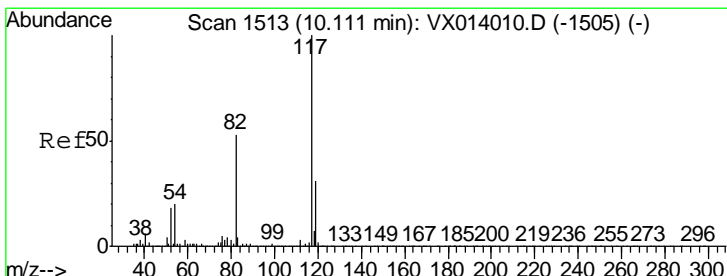
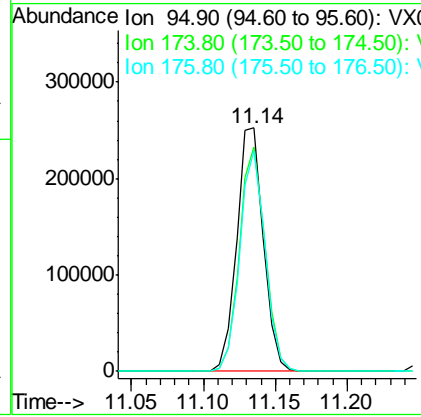
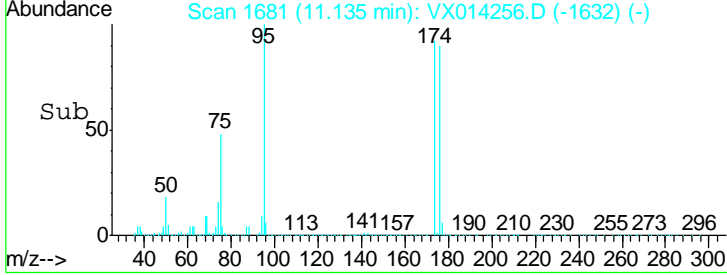
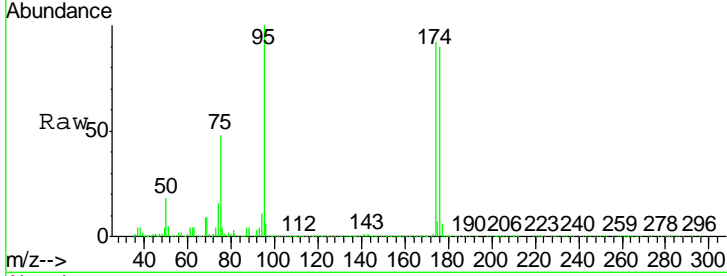


#62
 4-Bromofluorobenzene
 Concen: 49.513 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

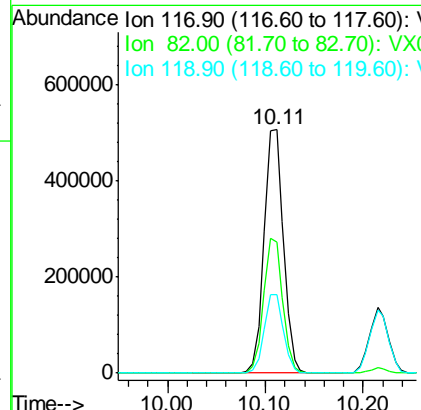
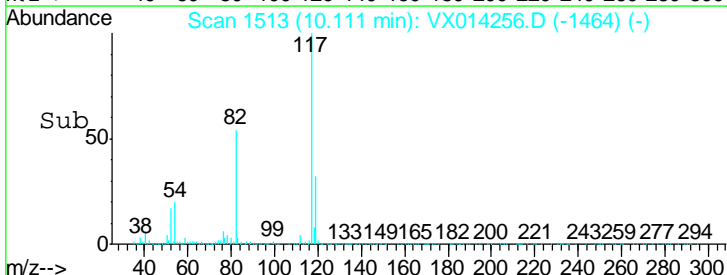
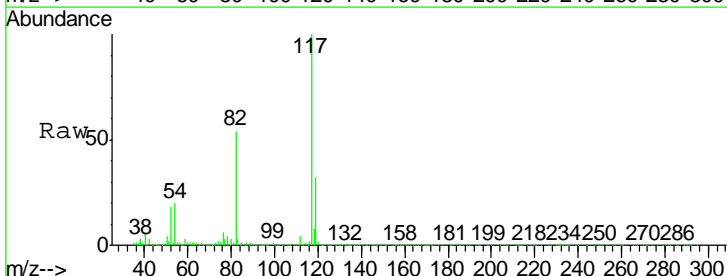
Tgt Ion	Resp	Lower	Upper
95	100		
174	88.4	0.0	175.8
176	85.7	0.0	173.0

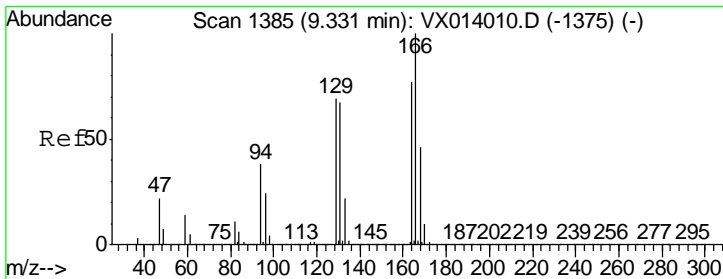
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	32.3	25.1	37.7

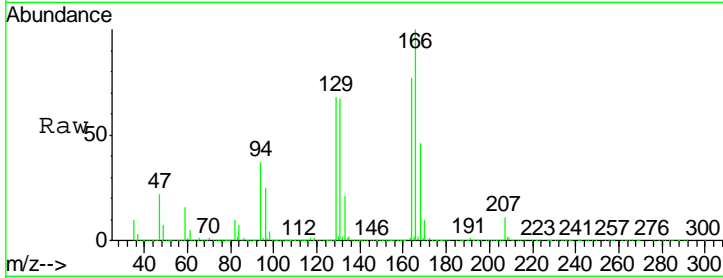




#64

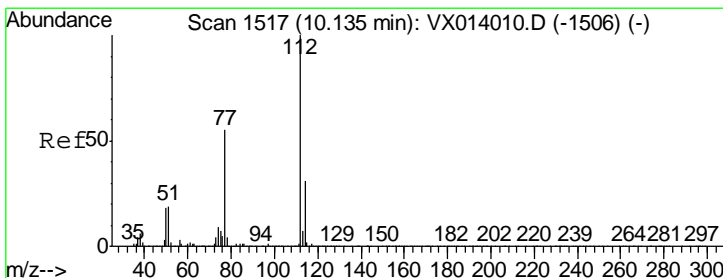
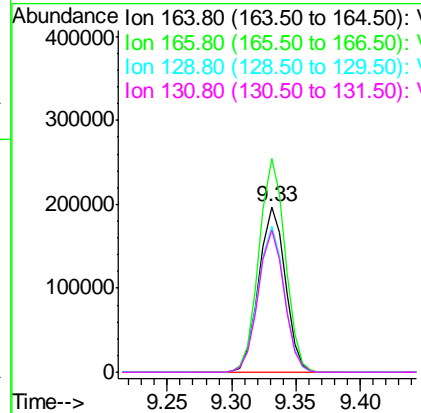
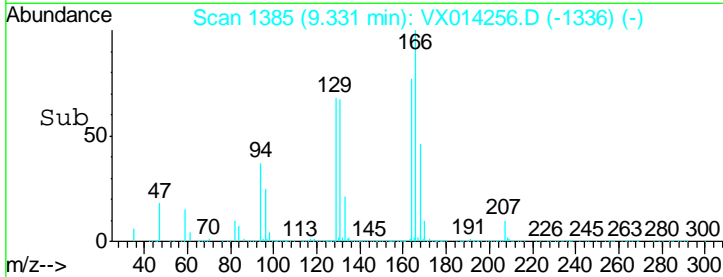
Tetrachloroethene
 Concen: 45.261 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



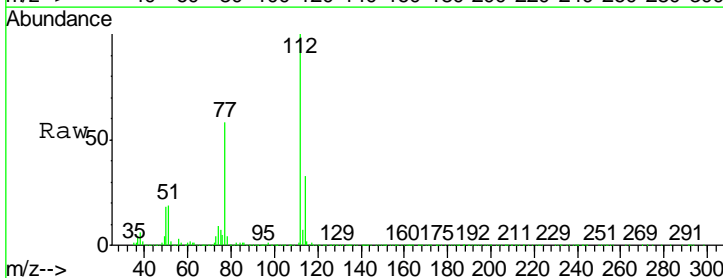
Tgt Ion	Resp	Lower	Upper
164	100		
166	129.1	104.0	156.0
129	88.2	72.2	108.4
131	86.1	69.6	104.4

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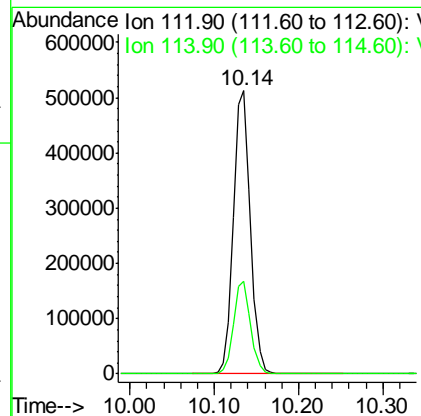
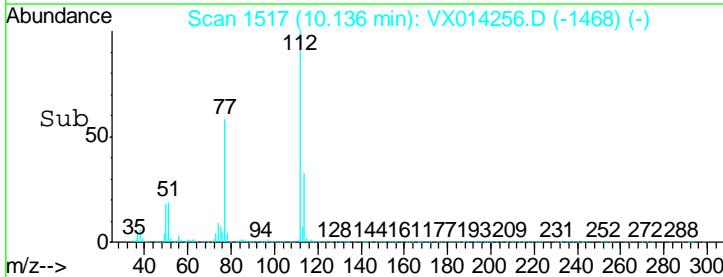


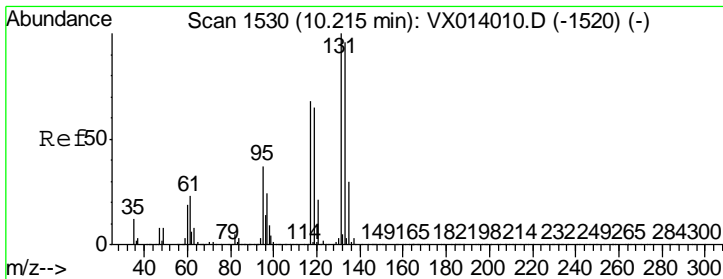
#65

Chlorobenzene
 Concen: 47.793 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



Tgt Ion	Resp	Lower	Upper
112	100		
114	32.8	24.9	37.3





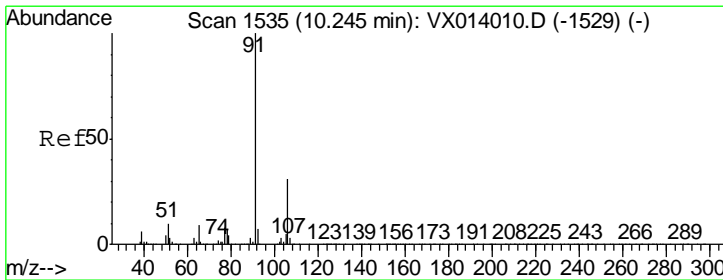
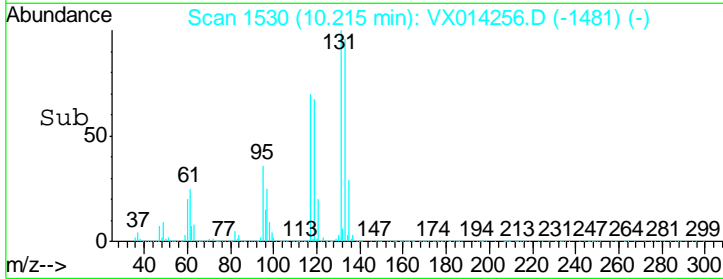
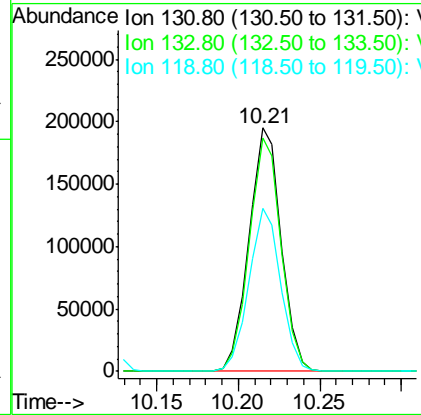
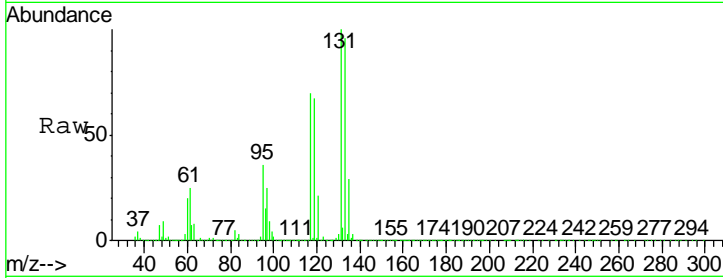
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.633 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.7	48.0	144.0
119	66.0	33.4	100.2

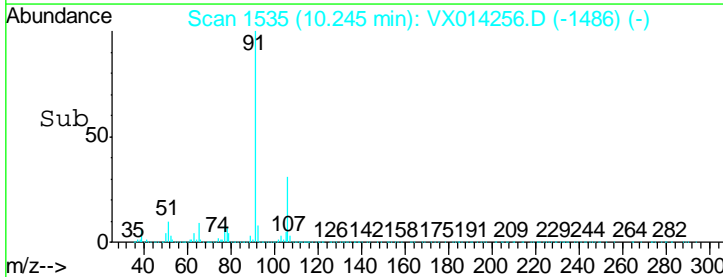
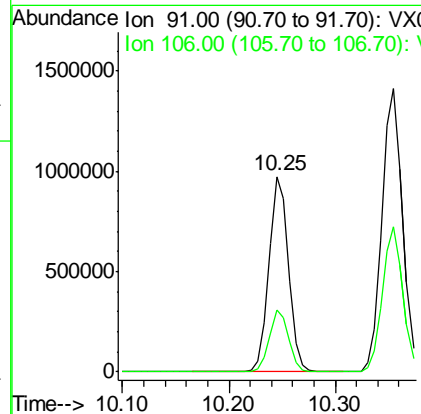
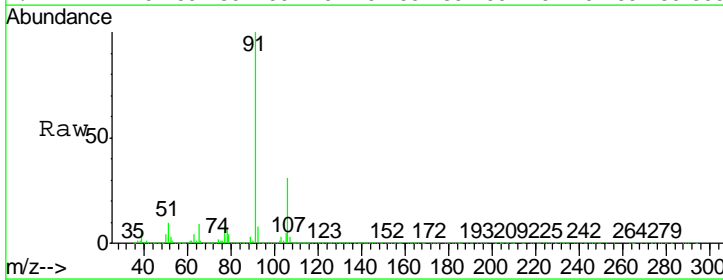
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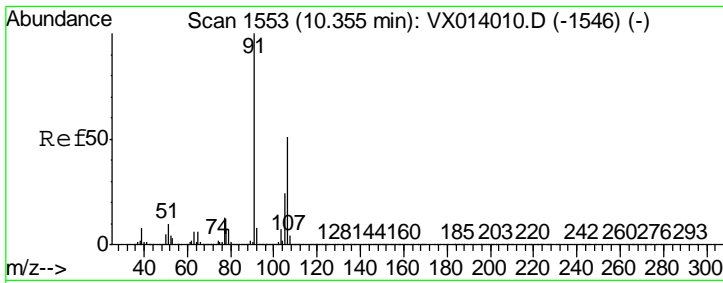
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#67
 Ethyl Benzene
 Concen: 49.206 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.4	25.0	37.6





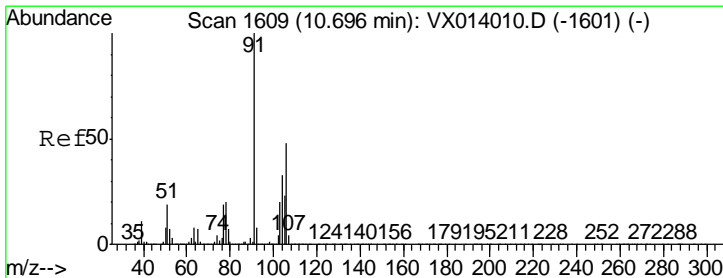
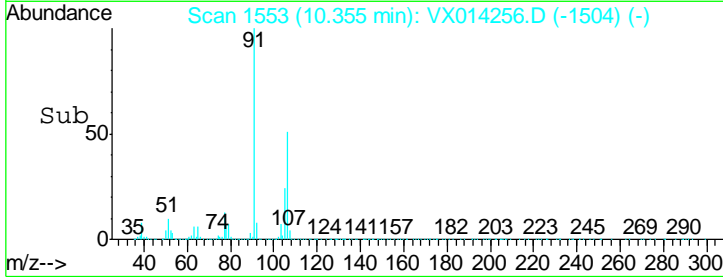
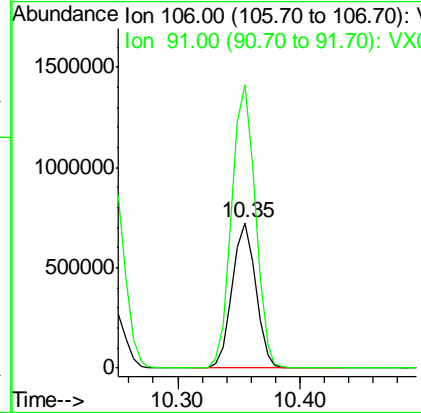
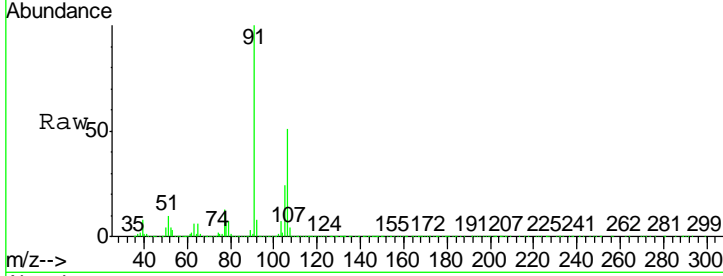
#68
 m/p-Xylenes
 Concen: 97.705 ug/l
 RT: 10.35 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.0	158.6	238.0

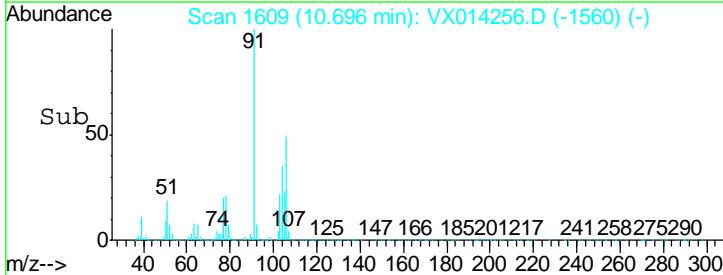
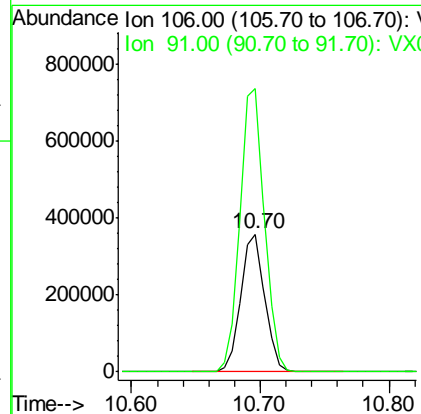
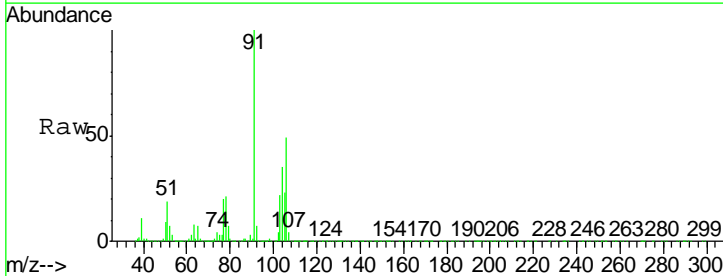
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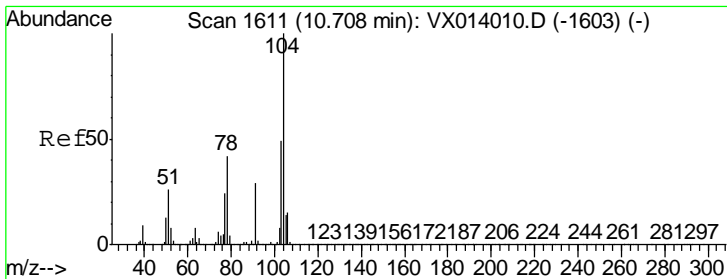
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#69
 o-Xylene
 Concen: 48.451 ug/l
 RT: 10.70 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.4	104.2	312.6



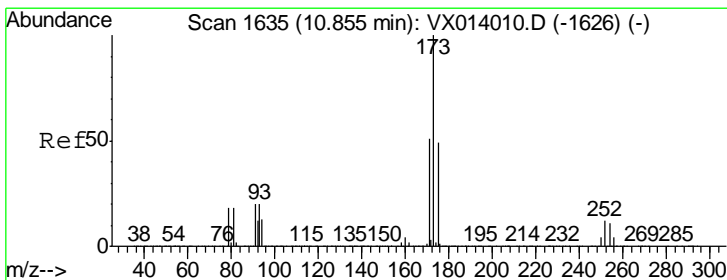
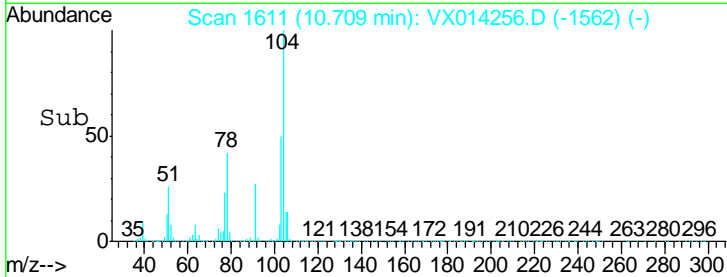
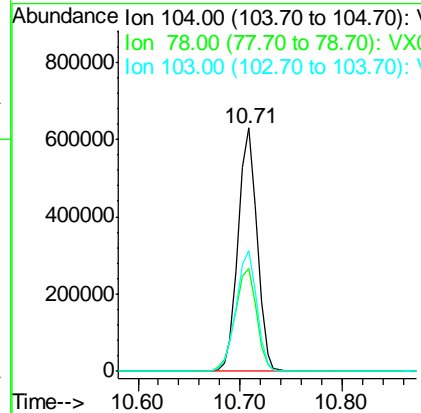
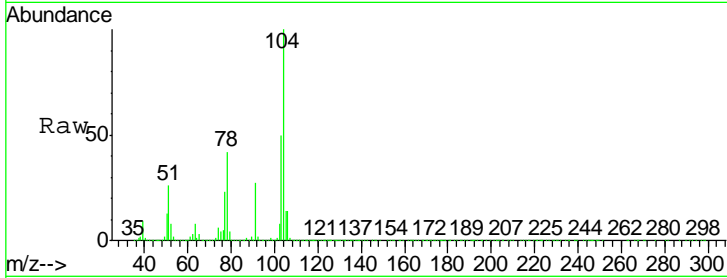


#70
 Styrene
 Concen: 49.419 ug/l
 RT: 10.71 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

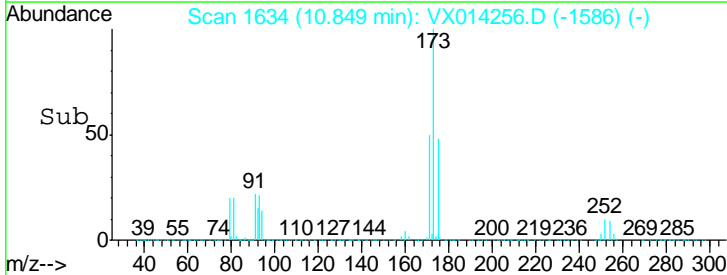
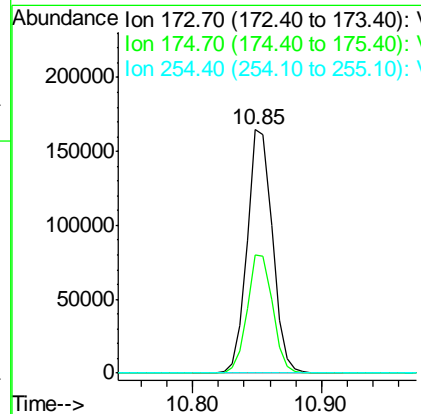
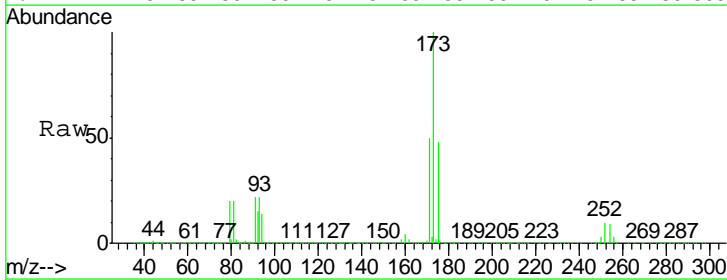
Tgt Ion	Resp	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	54.3	42.9	64.3

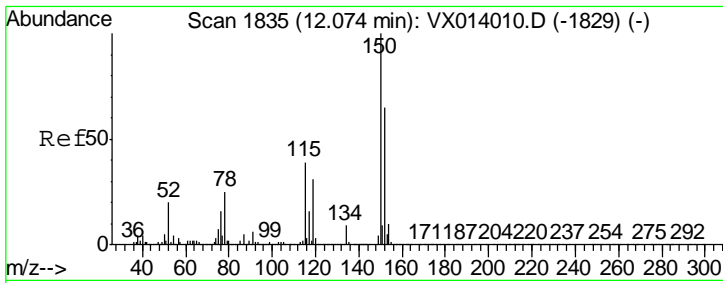
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#71
 Bromoform
 Concen: 52.283 ug/l
 RT: 10.85 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

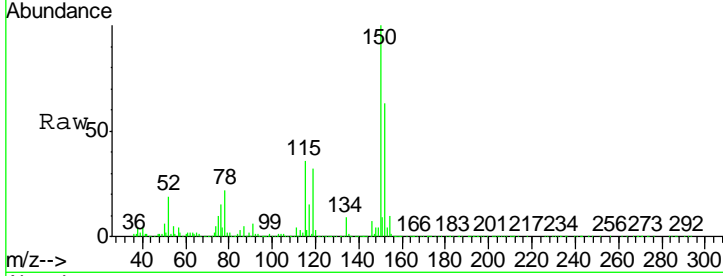
Tgt Ion	Resp	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.2	0.2	0.2





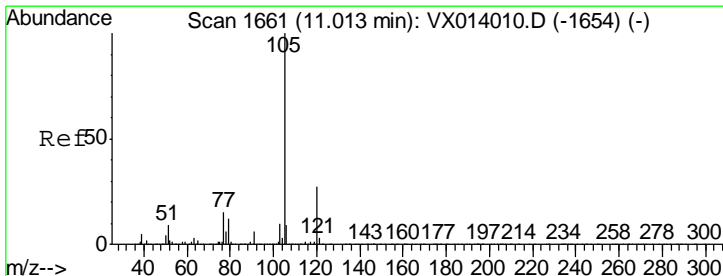
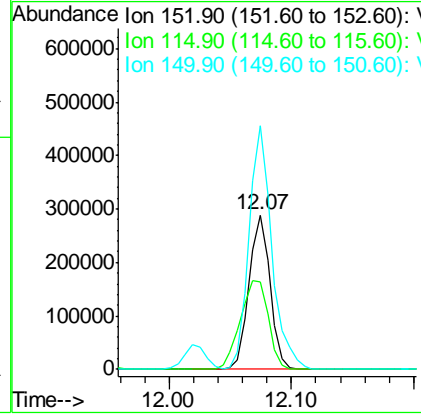
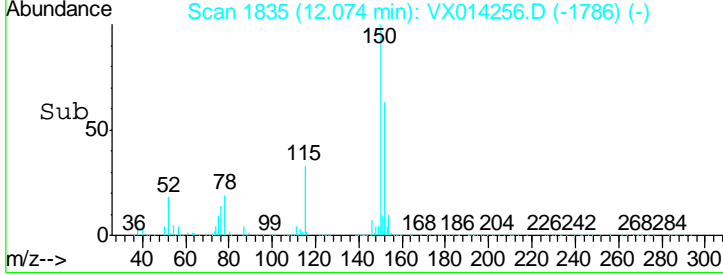
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

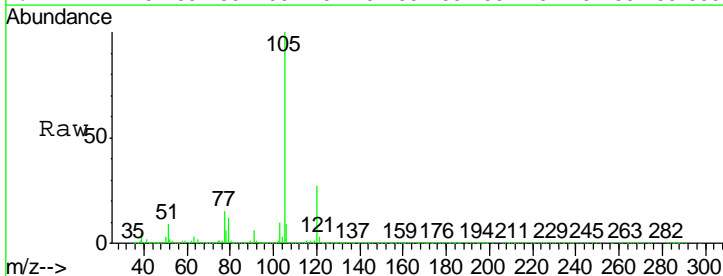


Tgt Ion	Resp	Lower	Upper
152	100		
115	76.3	38.3	114.9
150	170.7	0.0	345.4

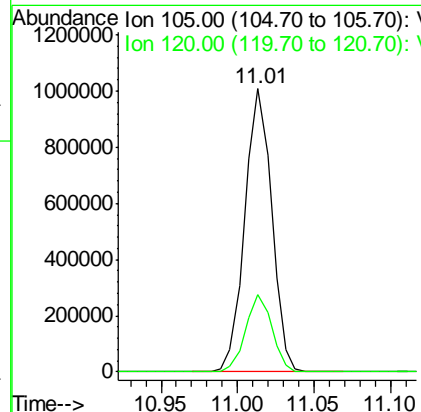
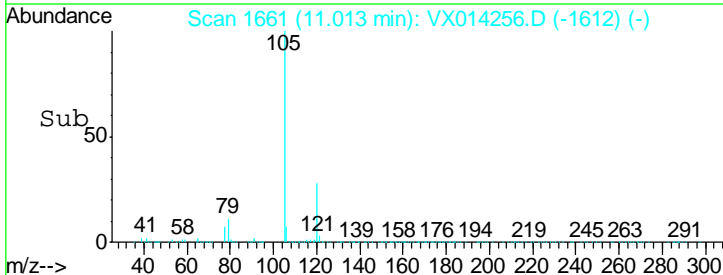
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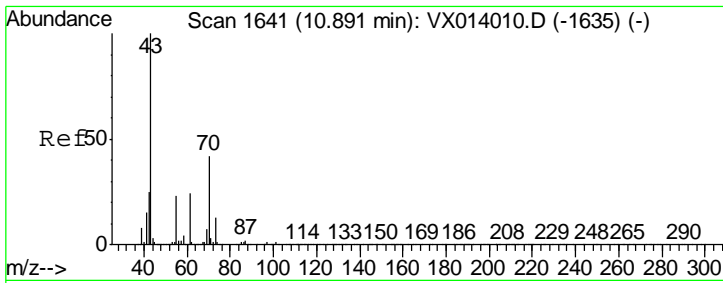


#73
 Isopropylbenzene
 Concen: 50.924 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



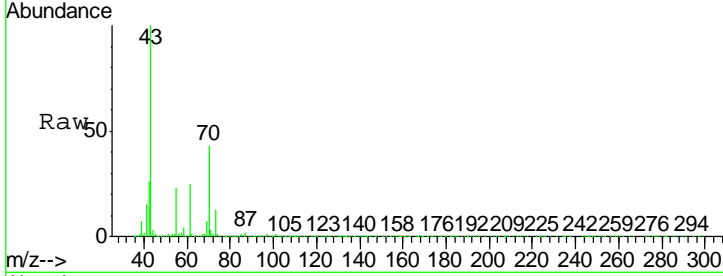
Tgt Ion	Resp	Lower	Upper
105	100		
120	26.8	13.5	40.4





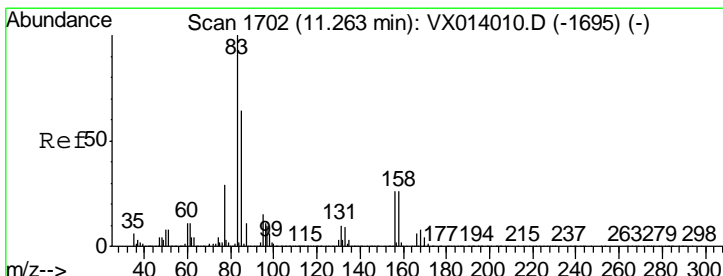
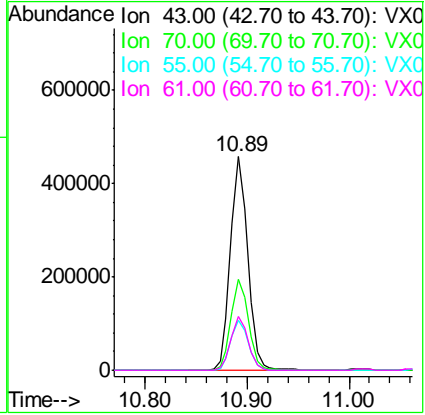
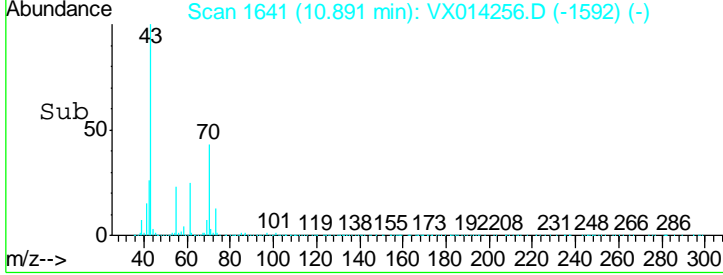
#74
 N-amyl acetate
 Concen: 47.154 ug/l
 RT: 10.89 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

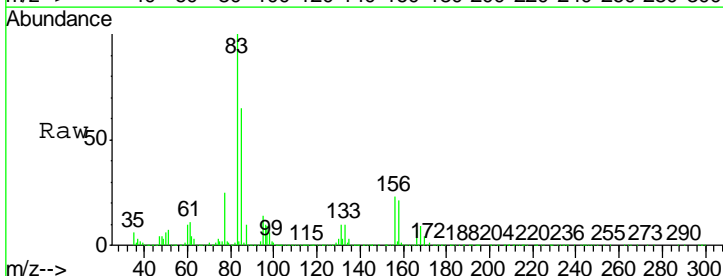


Tgt Ion	Resp	Lower	Upper
43	100		
70	43.4	34.4	51.6
55	23.9	19.1	28.7
61	24.9	19.7	29.5

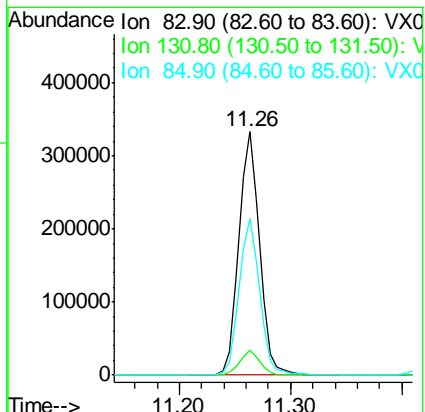
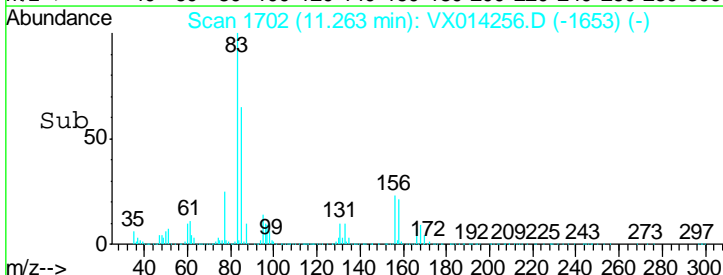
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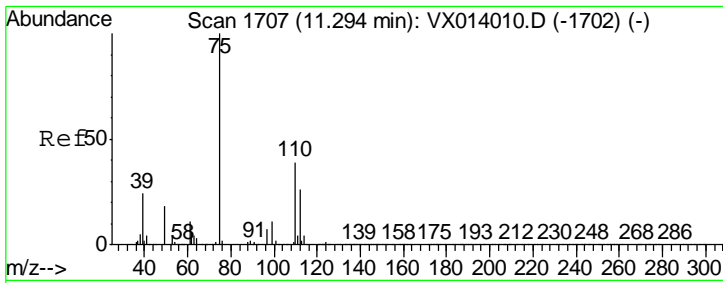


#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.094 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



Tgt Ion	Resp	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	64.1	31.9	95.7



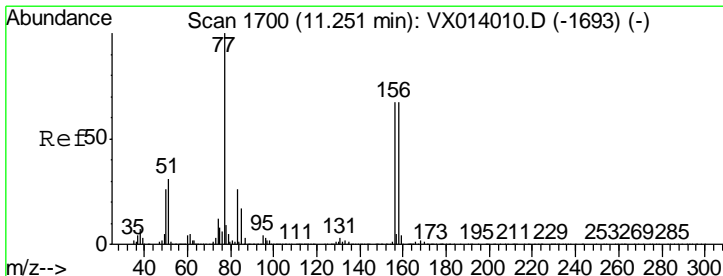
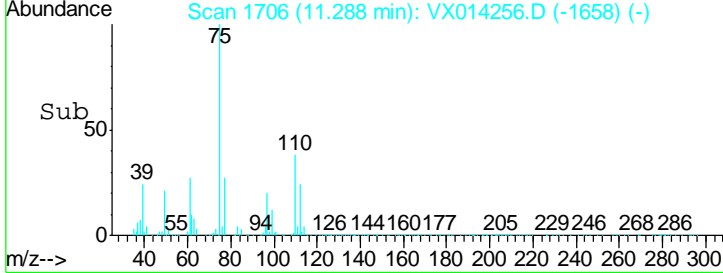
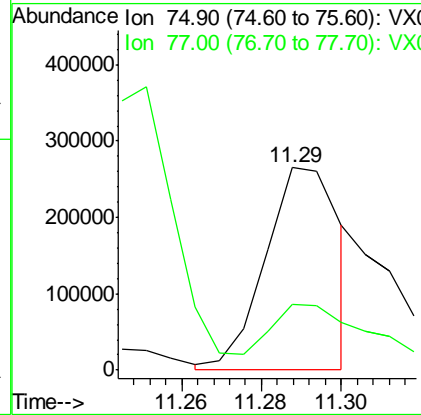
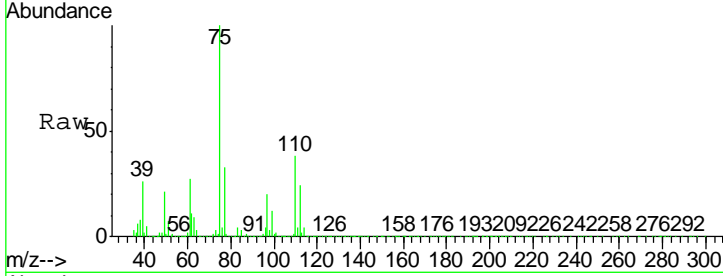


#76
 1,2,3-Trichloropropane
 Concen: 46.123 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

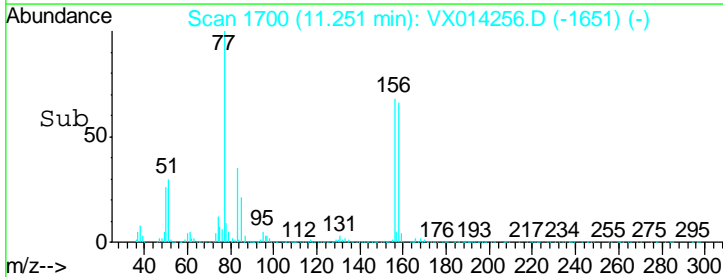
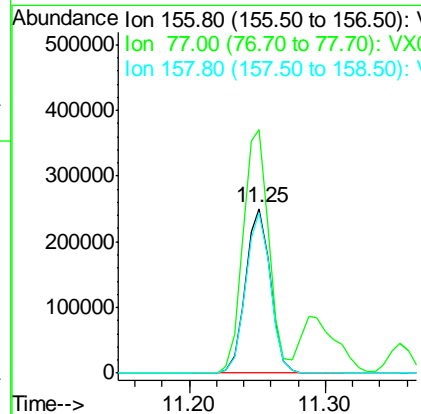
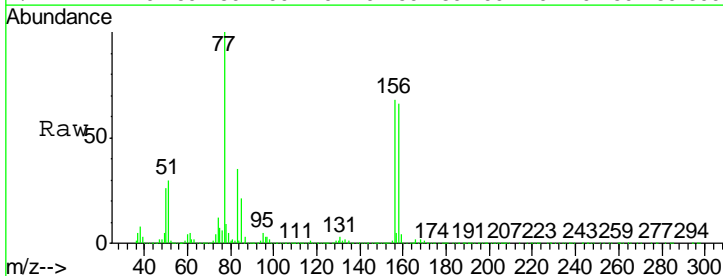
Tgt Ion	Resp	Lower	Upper
75	100		
77	43.6	19.3	57.8

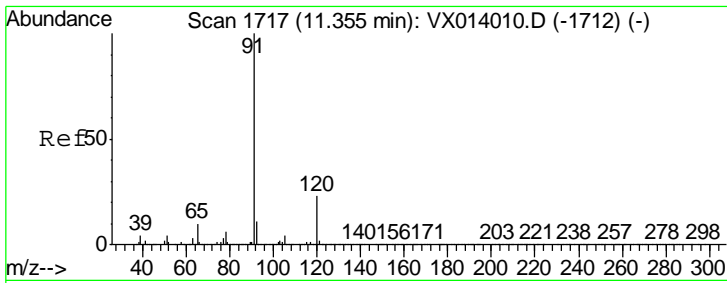
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#77
 Bromobenzene
 Concen: 47.944 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
156	100		
77	153.7	76.5	229.5
158	96.7	49.3	147.9





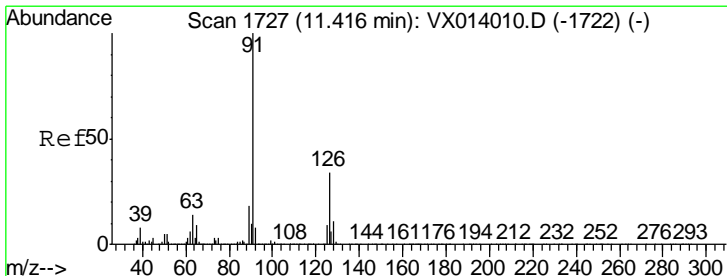
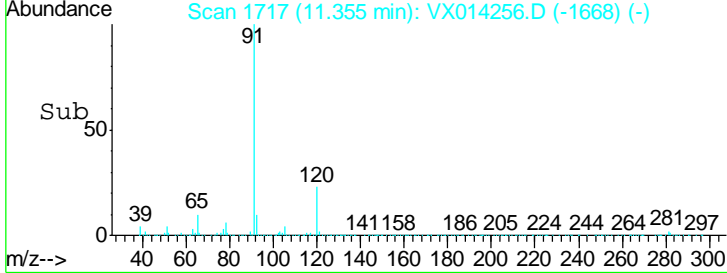
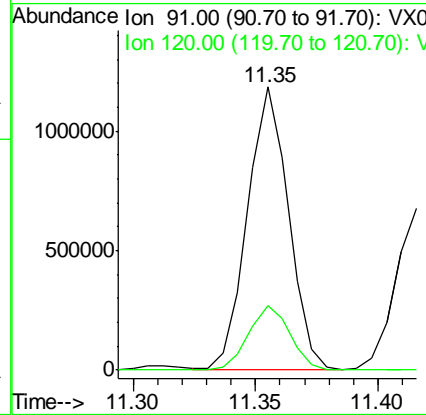
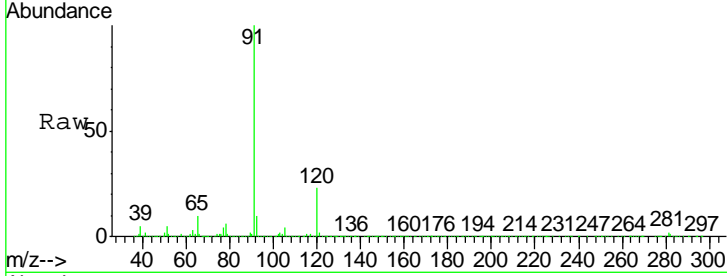
#78
 n-propylbenzene
 Concen: 50.827 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

Tgt Ion: 91 Resp: 1379089

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.0

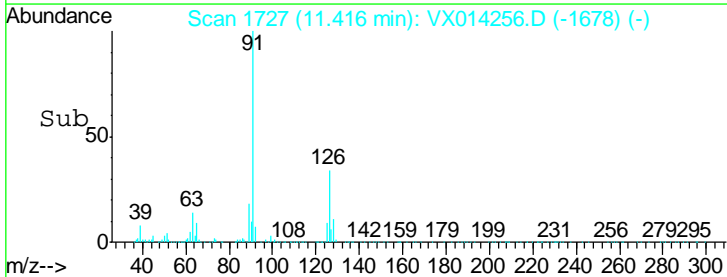
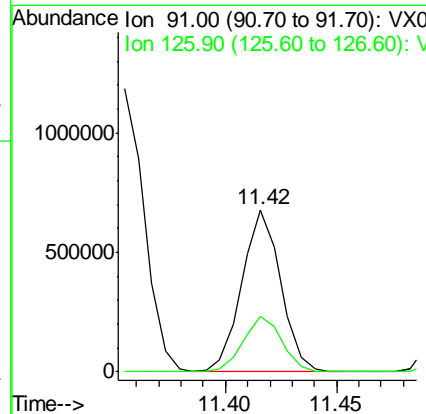
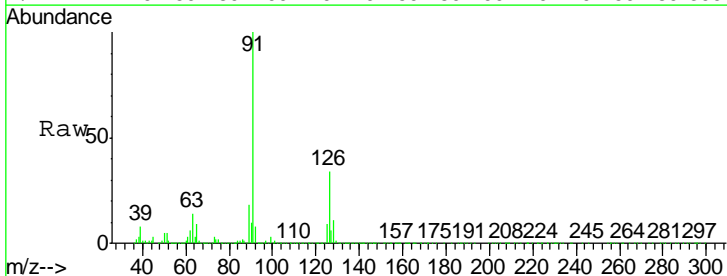
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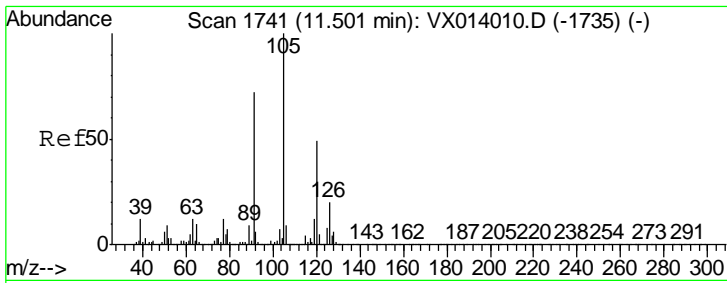


#79
 2-Chlorotoluene
 Concen: 49.683 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion: 91 Resp: 819442

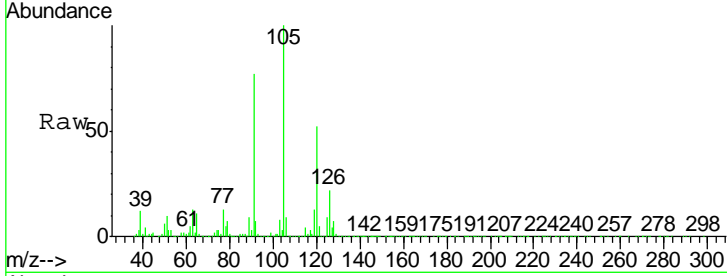
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





#80
 1,3,5-Trimethylbenzene
 Concen: 49.739 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

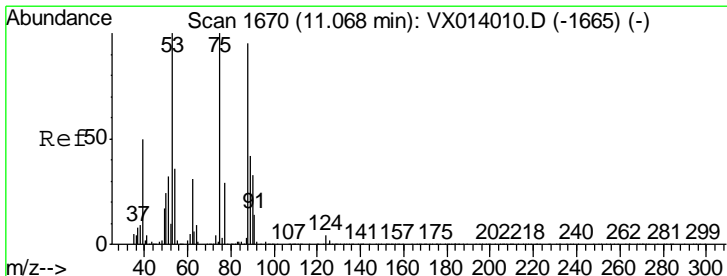
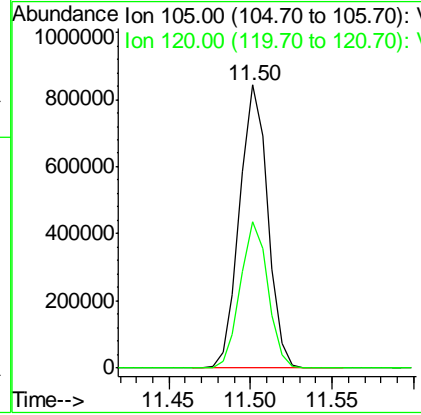
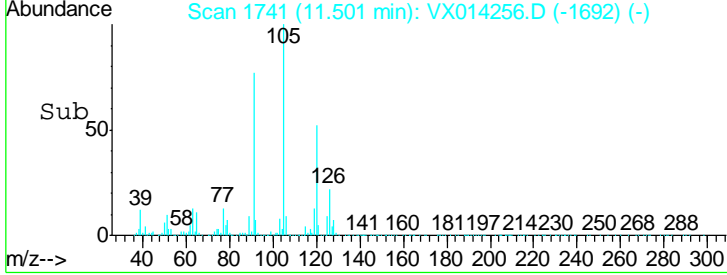
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



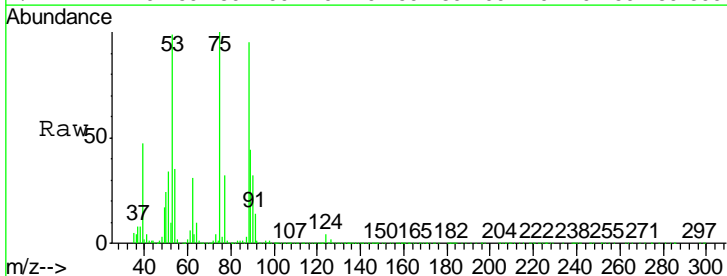
Tgt Ion: 105 Resp: 1012595

Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.3	75.8

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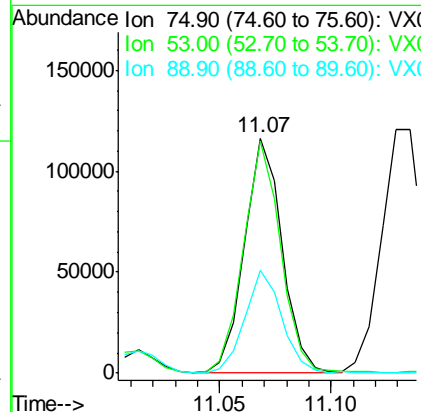
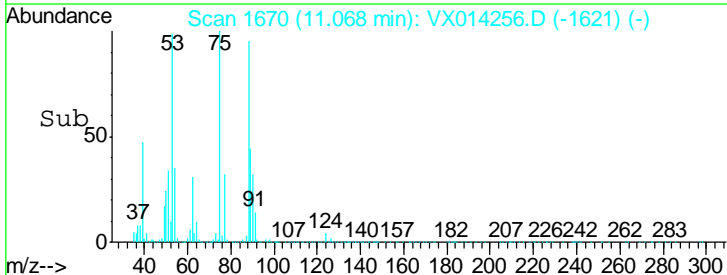


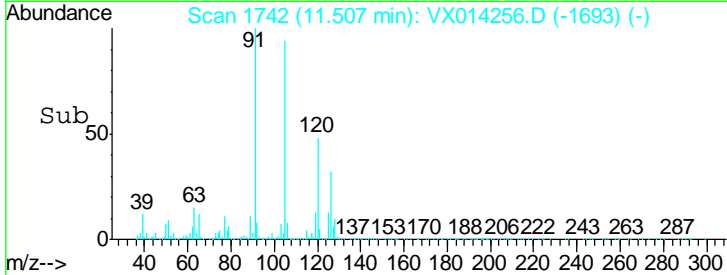
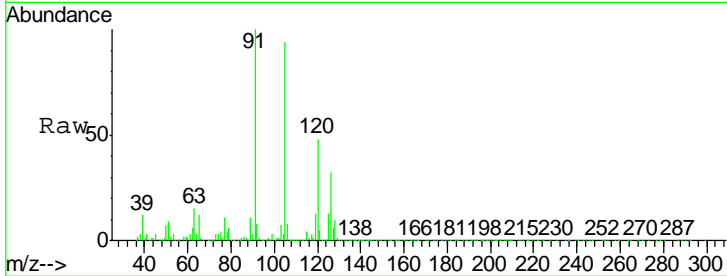
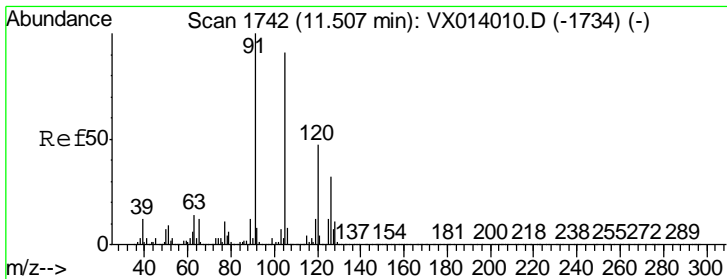
#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.810 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



Tgt Ion: 75 Resp: 136911

Ion	Ratio	Lower	Upper
75	100		
53	97.3	76.7	115.1
89	43.7	34.6	51.8



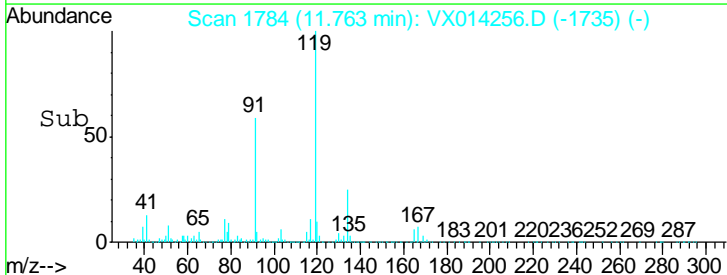
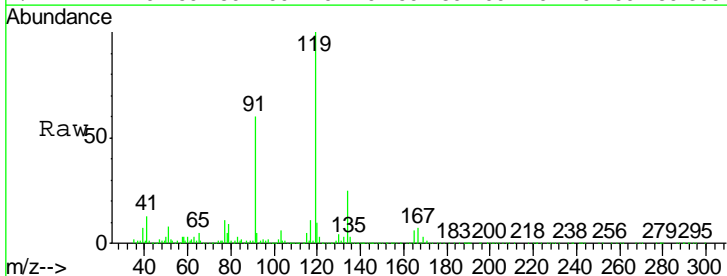
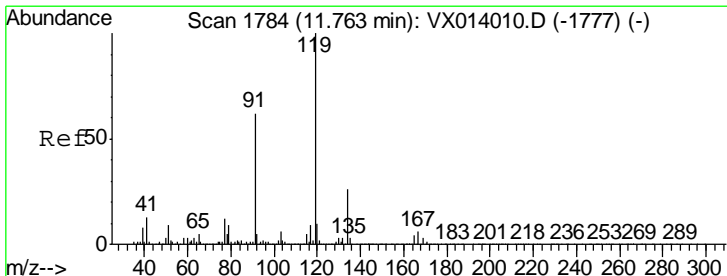
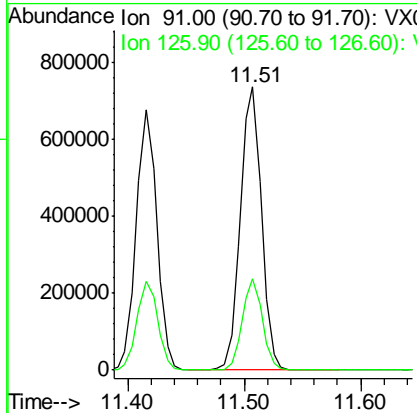


#82
 4-Chlorotoluene
 Concen: 48.667 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion: 91 Resp: 931082
 Ion Ratio Lower Upper
 91 100
 126 30.7 15.6 46.8

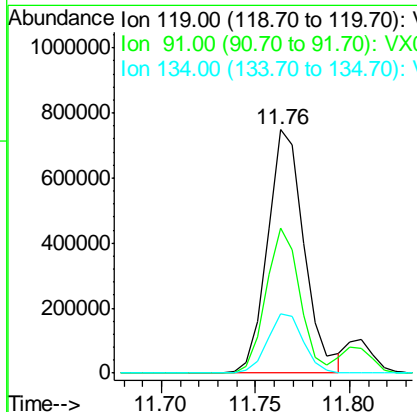
Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

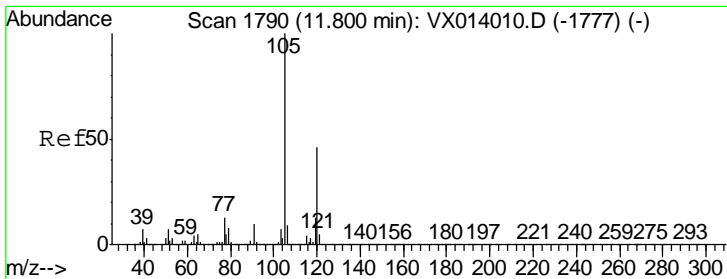
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#83
 tert-Butylbenzene
 Concen: 50.989 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

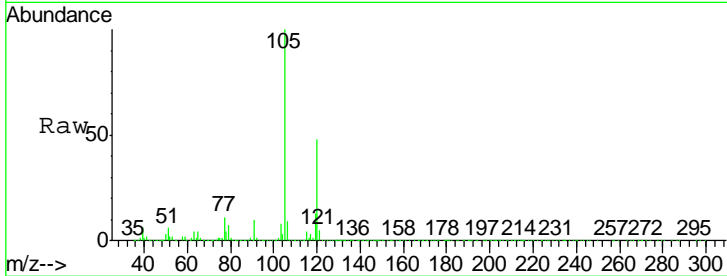
Tgt Ion: 119 Resp: 1010181
 Ion Ratio Lower Upper
 119 100
 91 55.1 28.5 85.6
 134 23.8 12.2 36.6





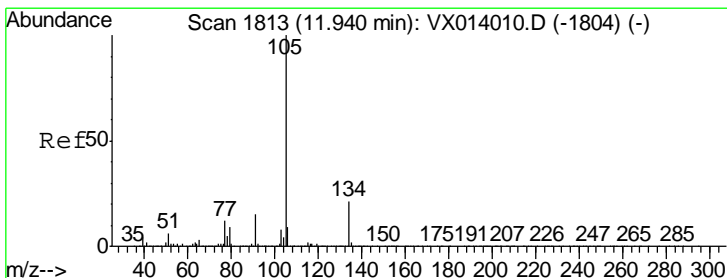
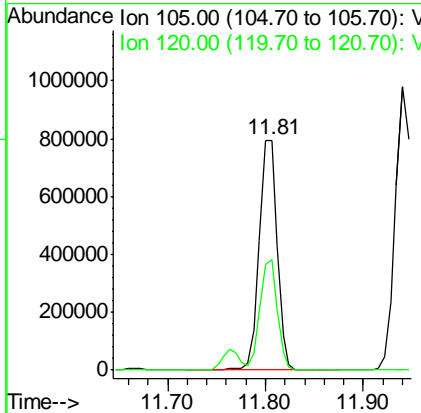
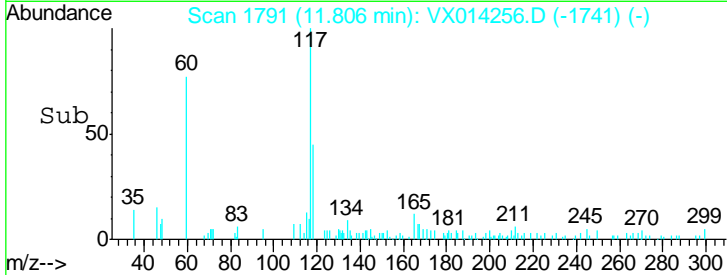
#84
 1,2,4-Trimethylbenzene
 Concen: 50.153 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

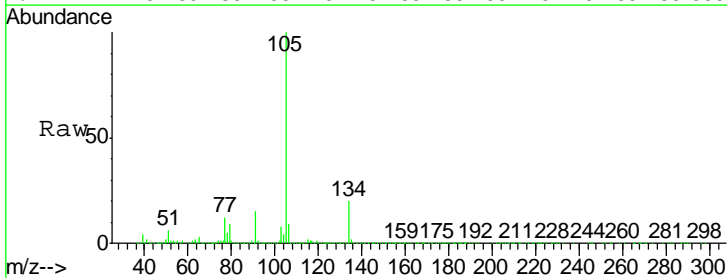


Tgt Ion: 105 Resp: 1022495
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.2

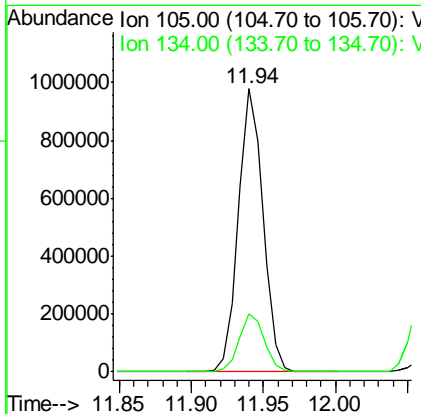
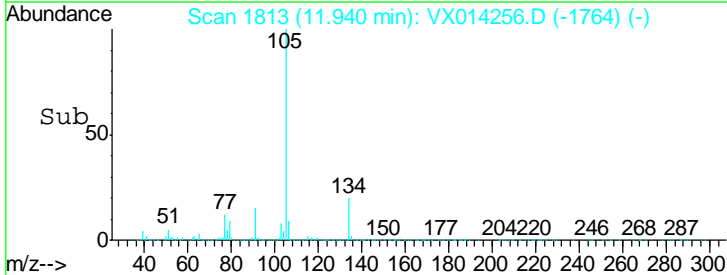
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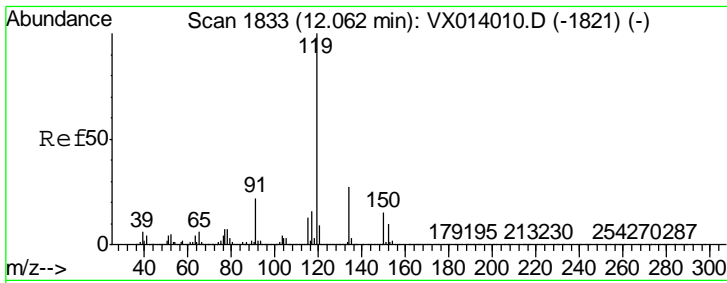


#85
 sec-Butylbenzene
 Concen: 49.852 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



Tgt Ion: 105 Resp: 1165943
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1





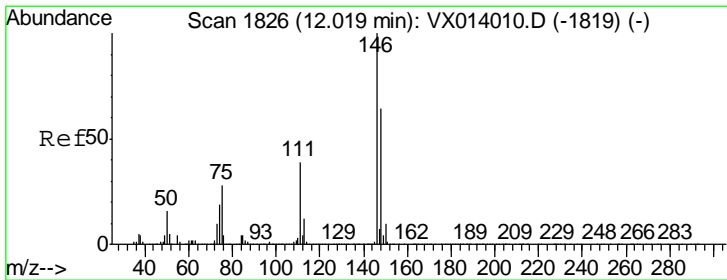
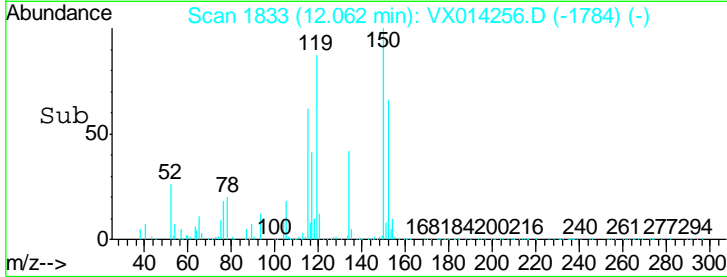
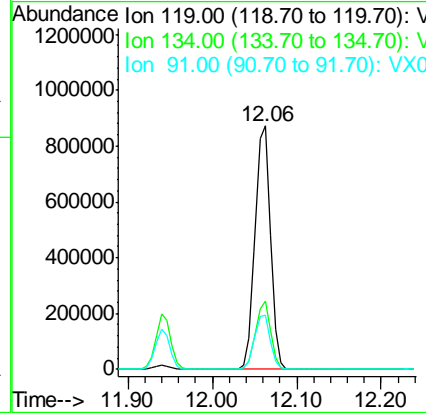
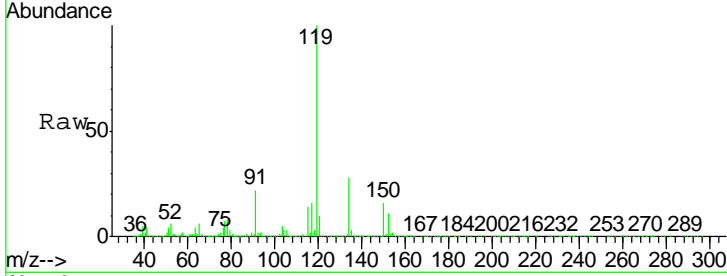
#86
 p-Isopropyltoluene
 Concen: 49.873 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

Tgt Ion	Resp	Lower	Upper
119	1066974		
134	27.1	13.4	40.1
91	22.3	11.4	34.1

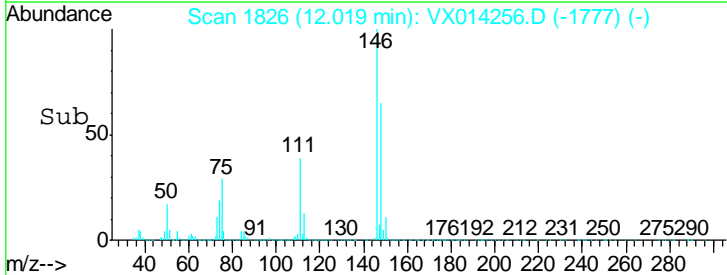
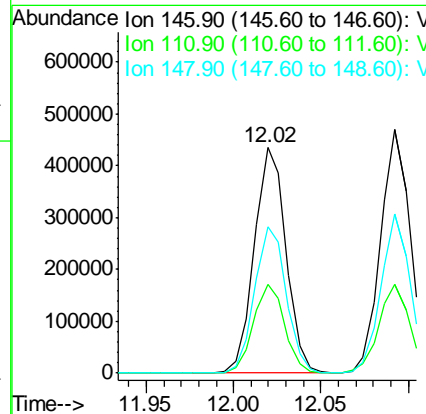
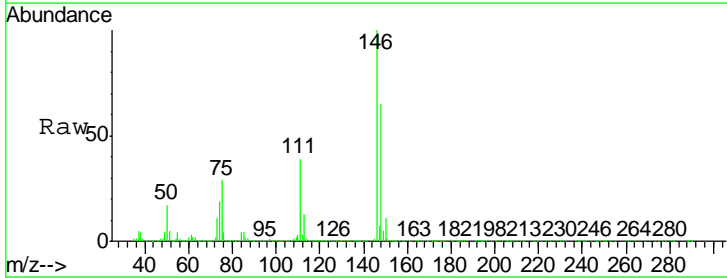
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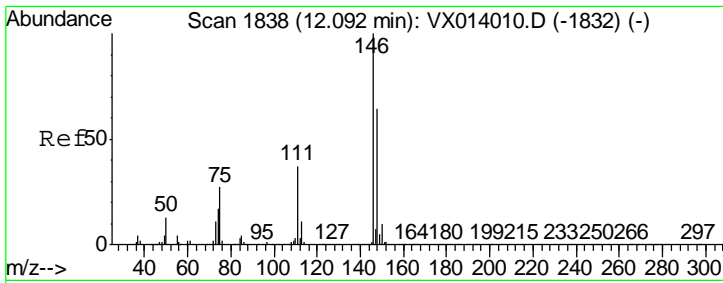
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#87
 1,3-Dichlorobenzene
 Concen: 46.926 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

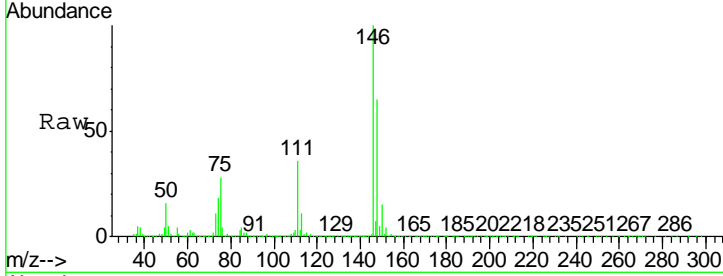
Tgt Ion	Resp	Lower	Upper
146	547359		
111	38.8	19.1	57.1
148	64.5	32.3	96.9





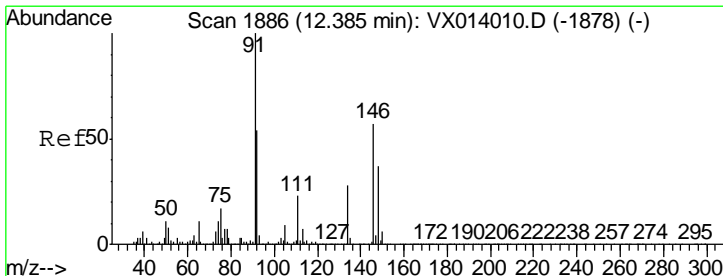
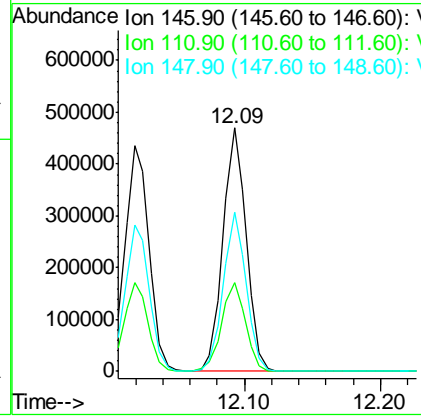
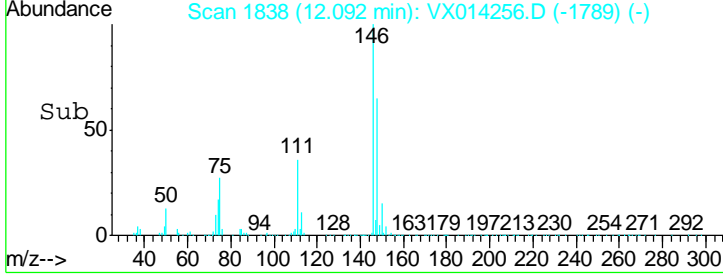
#88
 1,4-Dichlorobenzene
 Concen: 46.720 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

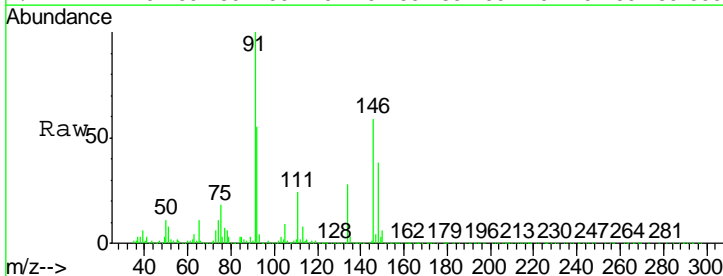


Tgt Ion	Resp	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	64.2	31.9	95.9

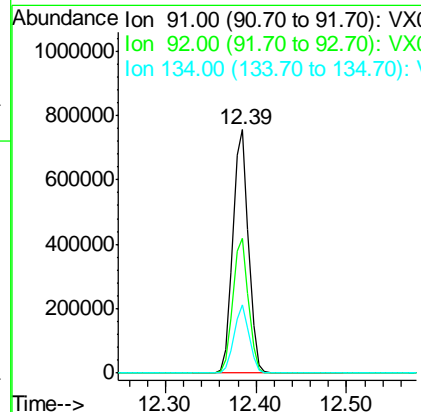
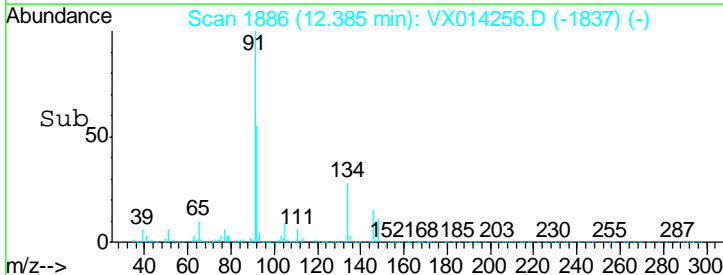
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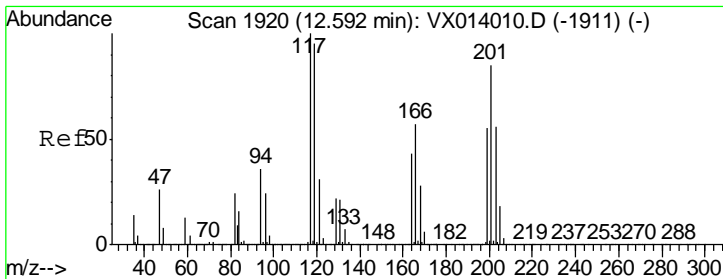


#89
 n-Butylbenzene
 Concen: 49.289 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31



Tgt Ion	Resp	Lower	Upper
91	100		
92	55.2	27.2	81.6
134	26.9	13.4	40.1



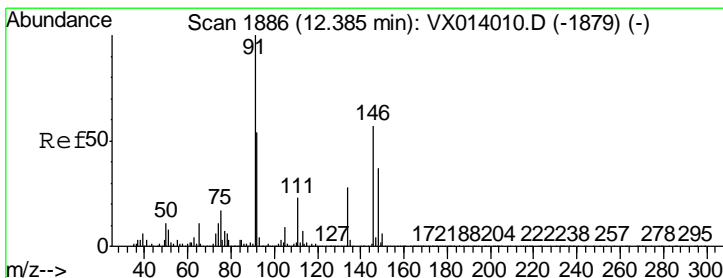
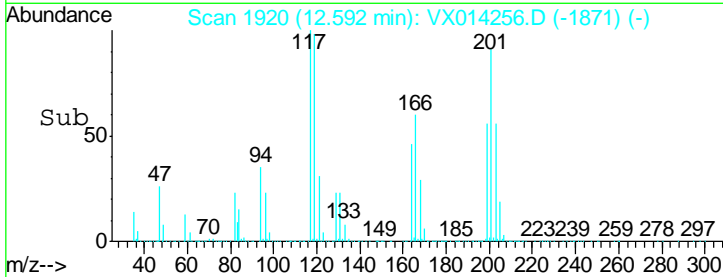
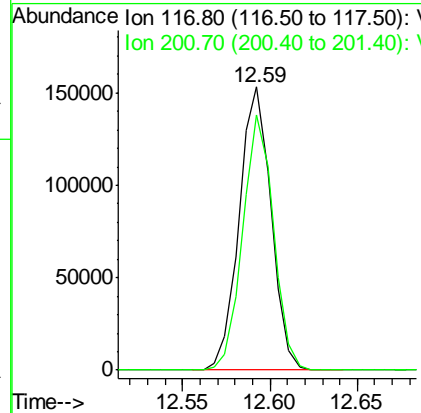
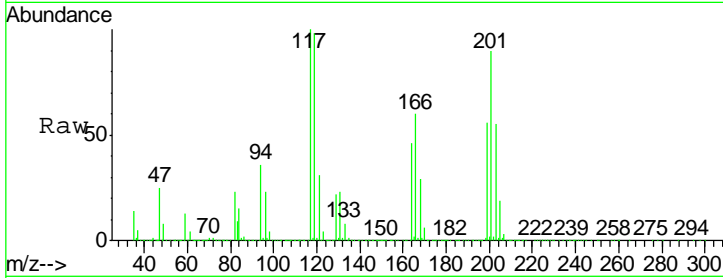


#90
 Hexachloroethane
 Concen: 50.354 ug/l
 RT: 12.59 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

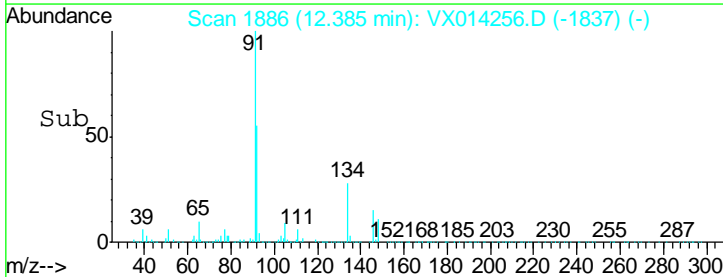
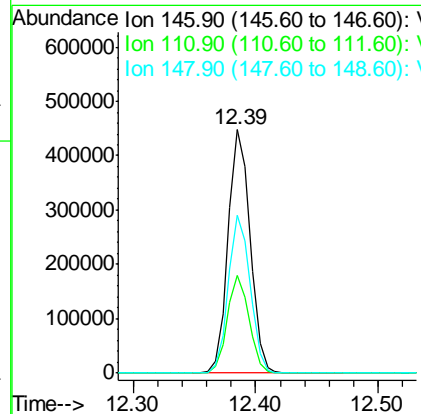
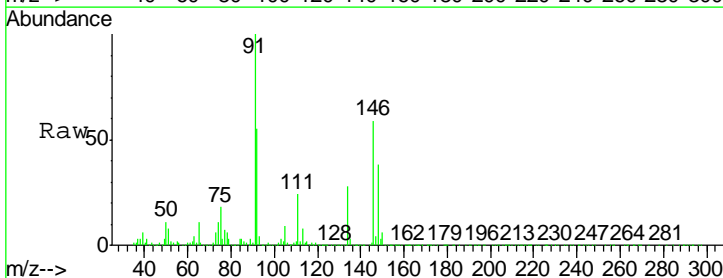
Tgt Ion	Resp	Lower	Upper
117	100		
201	87.3	43.1	129.3

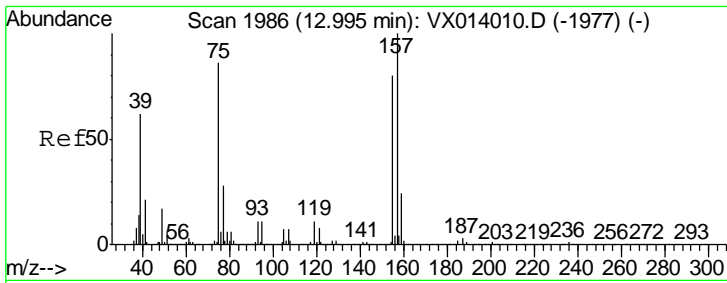
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#91
 1,2-Dichlorobenzene
 Concen: 47.494 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	64.2	32.1	96.5





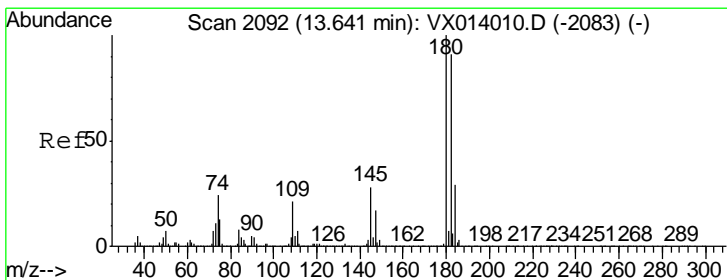
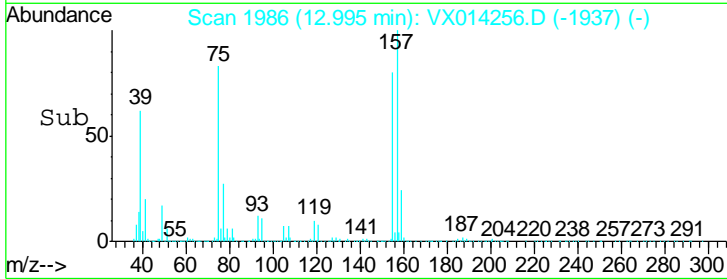
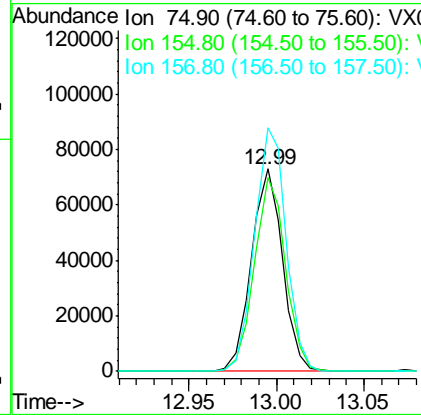
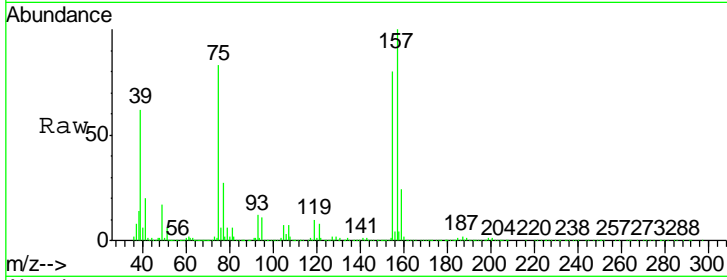
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.058 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

Tgt Ion	Resp	Lower	Upper
75	100		
155	96.9	46.9	140.6
157	123.7	60.8	182.4

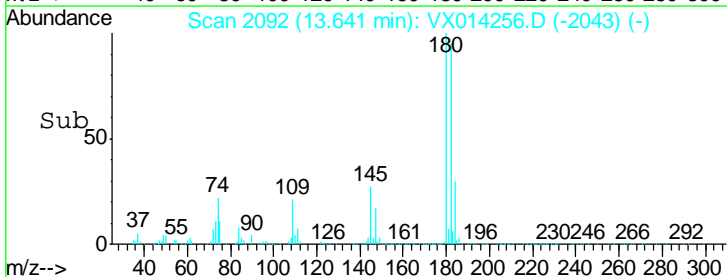
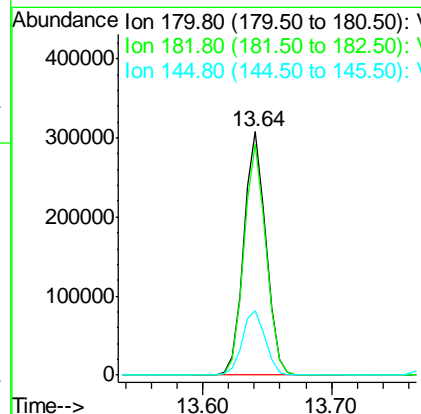
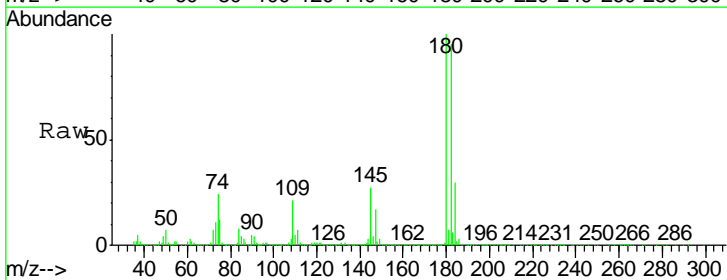
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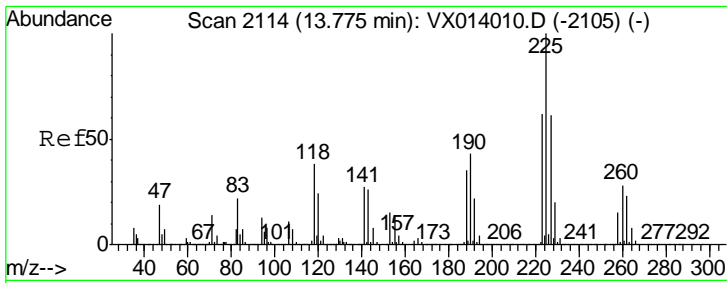
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#93
 1,2,4-Trichlorobenzene
 Concen: 48.017 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	28.0	14.2	42.6



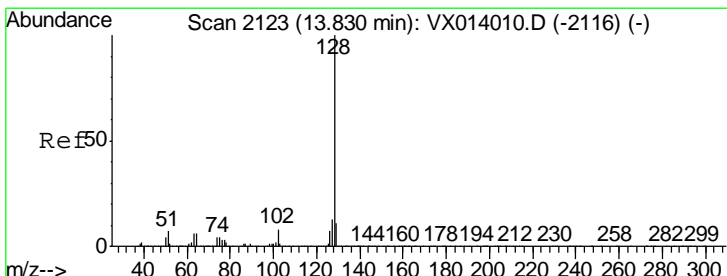
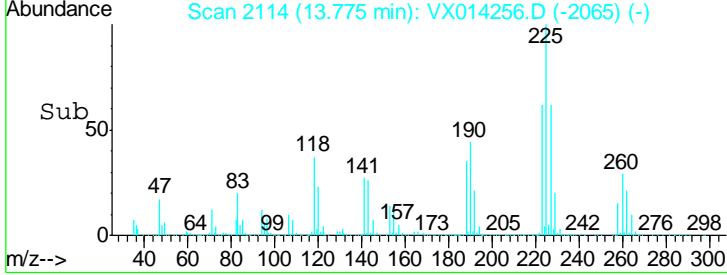
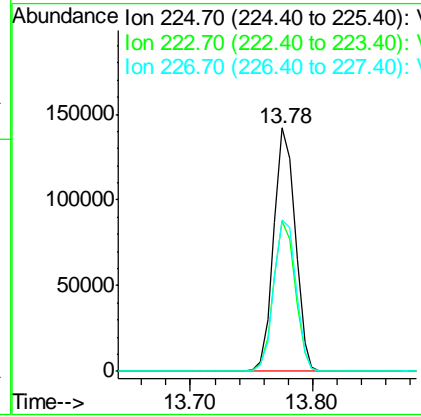
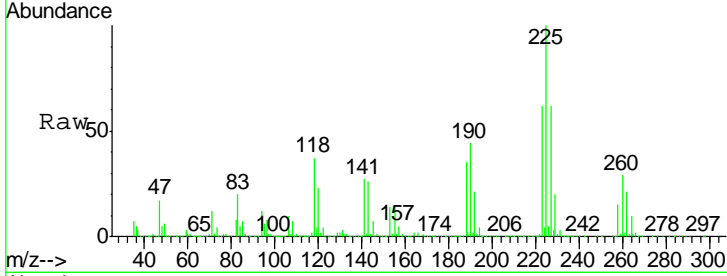


#94
 Hexachlorobutadiene
 Concen: 47.410 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD

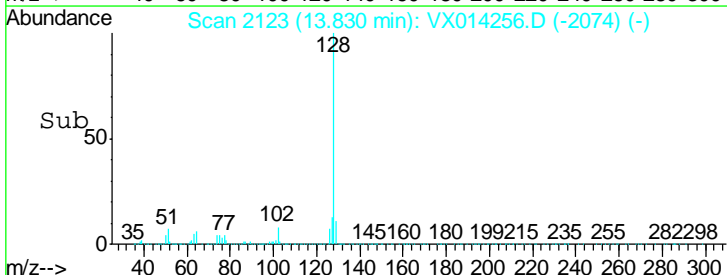
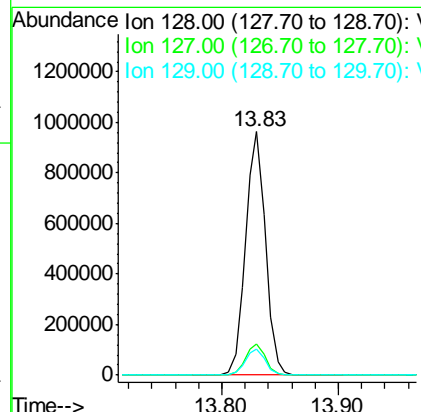
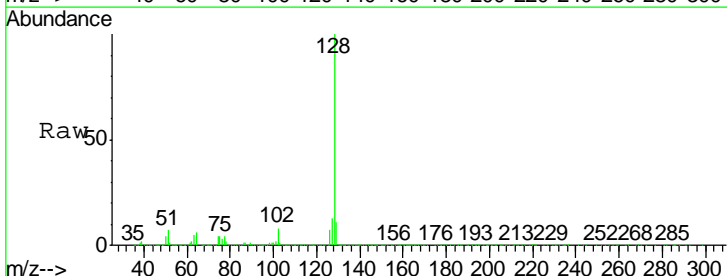
Tgt Ion	Resp	Lower	Upper
225	173891		
223	62.3	30.9	92.5
227	64.4	30.9	92.7

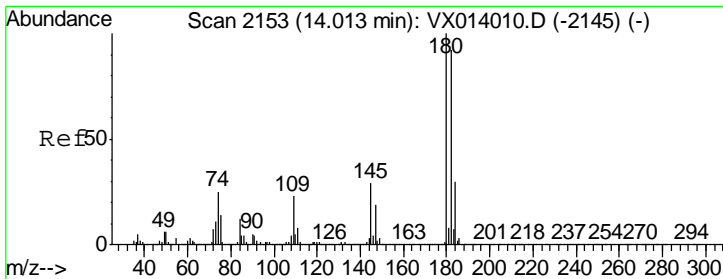
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#95
 Naphthalene
 Concen: 51.165 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

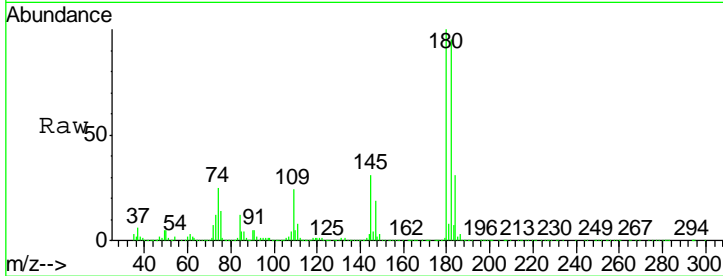
Tgt Ion	Resp	Lower	Upper
128	1147246		
127	12.8	10.2	15.4
129	10.7	8.7	13.1





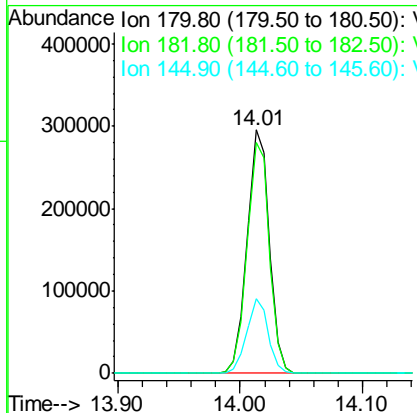
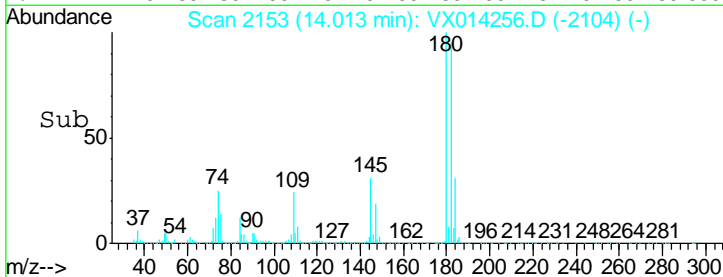
#96
 1,2,3-Trichlorobenzene
 Concen: 49.524 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014256.D
 Acq: 24 Dec 2019 19:31

Instrument : MSVOA_X
 Client Sampled : 996-MW-15-(17)MSD



Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.8	140.3
145	29.6	14.8	44.4

Manual Integrations
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 12/26/2019 9:24:50 AM



Manual Integration Report

Sequence:	VX121319	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX014007.D	1,2,3-Trichloropropane	john	12/17/2019 2:46:27 PM	apatel	12/17/2019 2:48:42 PM	Peak Integrated by Software incorrectly
VSTDICC001	VX014007.D	1,4-Dichlorobenzene	john	12/17/2019 2:46:27 PM	apatel	12/17/2019 2:48:42 PM	Peak Integrated by Software incorrectly
VSTDICC005	VX014008.D	1,2,3-Trichloropropane	john	12/13/2019 5:48:34 PM	apatel	12/16/2019 12:45:57 PM	Peak Integrated by Software incorrectly
VSTDICC020	VX014009.D	1,2,3-Trichloropropane	john	12/13/2019 5:48:45 PM	apatel	12/16/2019 12:46:00 PM	Peak Integrated by Software incorrectly
VSTDICCC050	VX014010.D	1,2,3-Trichloropropane	john	12/13/2019 5:48:52 PM	apatel	12/16/2019 12:46:03 PM	Peak Integrated by Software incorrectly
VSTDICC100	VX014011.D	1,2,3-Trichloropropane	john	12/13/2019 5:48:56 PM	apatel	12/16/2019 12:46:06 PM	Peak Integrated by Software incorrectly
VSTDICC150	VX014012.D	1,2,3-Trichloropropane	john	12/13/2019 5:49:02 PM	apatel	12/16/2019 12:46:09 PM	Peak Integrated by Software incorrectly
VSTDICV050	VX014013.D	1,2,3-Trichloropropane	john	12/17/2019 2:46:32 PM	apatel	12/17/2019 2:48:46 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VX014021.D	1,2,3-Trichloropropane	john	12/17/2019 2:46:46 PM	apatel	12/17/2019 2:48:56 PM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:

VX122419

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX014232.D	1,2,3-Trichloropropane	john	12/26/2019 9:01:27 AM	apatel	12/26/2019 9:24:17 AM	Peak Integrated by Software incorrectly
VX1224WBS01	VX014235.D	1,2,3-Trichloropropane	john	12/26/2019 9:01:32 AM	apatel	12/26/2019 9:24:21 AM	Peak Integrated by Software incorrectly
K6405-07MS	VX014255.D	1,2,3-Trichloropropane	john	12/26/2019 9:02:04 AM	apatel	12/26/2019 9:24:46 AM	Peak Integrated by Software incorrectly
K6405-08MSD	VX014256.D	1,2,3-Trichloropropane	john	12/26/2019 9:02:09 AM	apatel	12/26/2019 9:24:50 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX014257.D	1,2,3-Trichloropropane	john	12/26/2019 9:02:14 AM	apatel	12/26/2019 9:24:53 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:

vx122619

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX014259.D	1,2,3-Trichloropropane	john	12/27/2019 11:25:52 AM	apatel	12/27/2019 12:03:02 PM	Peak Integrated by Software incorrectly
VX1226WBS01	VX014262.D	1,2,3-Trichloropropane	john	12/27/2019 11:25:57 AM	apatel	12/27/2019 12:03:06 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VX014286.D	1,2,3-Trichloropropane	john	12/27/2019 11:26:16 AM	apatel	12/27/2019 12:03:19 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VX014288.D	1,2,3-Trichloropropane	john	12/27/2019 11:26:47 AM	apatel	12/27/2019 12:03:23 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VX014300.D	1,2,3-Trichloropropane	john	12/27/2019 11:27:01 AM	apatel	12/27/2019 12:03:35 PM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VX122719	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX014302.D	1,2,3-Trichloropropane	john	12/30/2019 9:04:52 AM	apatel	12/30/2019 11:04:07 AM	Peak Integrated by Software incorrectly
VX1227WBS01	VX014304.D	1,2,3-Trichloropropane	john	12/30/2019 9:04:57 AM	apatel	12/30/2019 11:04:11 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX014328.D	1,2,3-Trichloropropane	john	12/30/2019 9:05:11 AM	apatel	12/30/2019 11:04:23 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX014330.D	1,2,3-Trichloropropane	john	12/30/2019 9:05:21 AM	apatel	12/30/2019 11:04:30 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VX014341.D	1,2,3-Trichloropropane	john	12/30/2019 9:05:35 AM	apatel	12/30/2019 11:05:06 AM	Peak Integrated by Software incorrectly

Daily Analysis Runlog For Sequence/QC Batch ID # VX121319

Review By	john	Review On	12/16/2019 9:19:40 AM		
Supervise By	apatel	Supervise On	12/16/2019 12:58:28 PM		
SubDirectory	VX121319	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP89492				
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511				
CCC	VP89498,VP89499				
Internal Standard/PEM	VP88281				
ICV/I.BLK	VP89512				

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VX014005.D	13 Dec 2019 12:35	JC/SP	Ok
2	VSTDCCC050	VX014006.D	13 Dec 2019 14:08	JC/SP	Not Ok
3	VSTDICC001	VX014007.D	13 Dec 2019 14:49	JC/SP	Ok,M
4	VSTDICC005	VX014008.D	13 Dec 2019 15:12	JC/SP	Ok,M
5	VSTDICC020	VX014009.D	13 Dec 2019 15:36	JC/SP	Ok,M
6	VSTDICCC050	VX014010.D	13 Dec 2019 15:59	JC/SP	Ok,M
7	VSTDICC100	VX014011.D	13 Dec 2019 16:22	JC/SP	Ok,M
8	VSTDICC150	VX014012.D	13 Dec 2019 16:45	JC/SP	Ok,M
9	VSTDICV050	VX014013.D	13 Dec 2019 18:00	JC/SP	Ok,M
10	VX1213WBL01	VX014014.D	13 Dec 2019 18:58	JC/SP	Ok
11	VX1213WBS01	VX014015.D	13 Dec 2019 19:21	JC/SP	Ok,M
12	VX1213WBSD01	VX014016.D	13 Dec 2019 19:45	JC/SP	Ok,M
13	K6182-01	VX014017.D	13 Dec 2019 20:31	JC/SP	Ok
14	K6182-02	VX014018.D	13 Dec 2019 20:55	JC/SP	Ok
15	K6182-03	VX014019.D	13 Dec 2019 21:18	JC/SP	Ok
16	K6182-04	VX014020.D	13 Dec 2019 21:41	JC/SP	Ok
17	VSTDCCC050	VX014021.D	13 Dec 2019 22:04	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX122419

Review By	john	Review On	12/26/2019 9:37:28 AM
Supervise By	apatel	Supervise On	12/26/2019 2:34:15 PM
SubDirectory	VX122419	HP Acquire Method	MSVOA_X
		HP Processing Method	82X121319W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP89725		
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511		
CCC	VP89726,VP89727		
Internal Standard/PEM	VP88281		
ICV/I.BLK	VP89512		

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VX014231.D	24 Dec 2019 08:54	JC/SP	Ok
2	VSTDCCC050	VX014232.D	24 Dec 2019 09:28	JC/SP	Ok,M
3	VX1224MBL01	VX014233.D	24 Dec 2019 10:08	JC/SP	Ok
4	VX1224WBL01	VX014234.D	24 Dec 2019 10:32	JC/SP	Ok
5	VX1224WBS01	VX014235.D	24 Dec 2019 11:09	JC/SP	Ok,M
6	VX1224MBS01	VX014236.D	24 Dec 2019 11:45	JC/SP	Ok,M
7	K6393-05	VX014237.D	24 Dec 2019 12:09	JC/SP	Ok
8	K6377-06DL	VX014238.D	24 Dec 2019 12:32	JC/SP	Ok
9	K6401-01	VX014239.D	24 Dec 2019 12:55	JC/SP	Ok
10	K6401-04	VX014240.D	24 Dec 2019 13:19	JC/SP	Ok
11	K6401-05	VX014241.D	24 Dec 2019 13:42	JC/SP	Not Ok
12	K6401-06	VX014242.D	24 Dec 2019 14:05	JC/SP	Ok
13	K6401-02MS	VX014243.D	24 Dec 2019 14:28	JC/SP	Not Ok
14	K6401-03MSD	VX014244.D	24 Dec 2019 14:52	JC/SP	Not Ok
15	K6406-02	VX014245.D	24 Dec 2019 15:15	JC/SP	Ok
16	VX1224WBSD01	VX014246.D	24 Dec 2019 15:38	JC/SP	Ok,M
17	K6405-01	VX014247.D	24 Dec 2019 16:01	JC/SP	Dilution
18	K6405-02	VX014248.D	24 Dec 2019 16:25	JC/SP	ReRun
19	K6405-03	VX014249.D	24 Dec 2019 16:48	JC/SP	Dilution
20	K6405-04	VX014250.D	24 Dec 2019 17:11	JC/SP	ReRun
21	K6405-05	VX014251.D	24 Dec 2019 17:35	JC/SP	Dilution
22	K6405-06	VX014252.D	24 Dec 2019 17:58	JC/SP	ReRun
23	K6405-09	VX014253.D	24 Dec 2019 18:21	JC/SP	Not Ok
24	K6405-10	VX014254.D	24 Dec 2019 18:45	JC/SP	Ok
25	K6405-07MS	VX014255.D	24 Dec 2019 19:08	JC/SP	Ok,M
26	K6405-08MSD	VX014256.D	24 Dec 2019 19:31	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX122419

Review By	john	Review On	12/26/2019 9:37:28 AM		
Supervise By	apatel	Supervise On	12/26/2019 2:34:15 PM		
SubDirectory	VX122419	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP89725				
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511				
CCC	VP89726,VP89727				
Internal Standard/PEM	VP88281				
ICV/I.BLK	VP89512				
27	VSTDCCC050	VX014257.D	24 Dec 2019 19:54	JC/SP	Ok,M

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Daily Analysis Runlog For Sequence/QC Batch ID # VX122619

Review By	john	Review On	12/27/2019 11:35:47 AM
Supervise By	apatel	Supervise On	12/27/2019 12:03:48 PM
SubDirectory	VX122619	HP Acquire Method	MSVOA_X
		HP Processing Method	82X121319W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP89756,VP89759		
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511		
CCC	VP89757,VP89758,VP89760,VP89761		
Internal Standard/PEM	VP88281		
ICV/I.BLK	VP89512		

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VX014258.D	26 Dec 2019 10:14	JC/SP	Ok
2	VSTDCCC050	VX014259.D	26 Dec 2019 10:46	JC/SP	Ok,M
3	VX1226MBL01	VX014260.D	26 Dec 2019 11:22	JC/SP	Ok
4	VX1226WBL01	VX014261.D	26 Dec 2019 11:45	JC/SP	Ok
5	VX1226WBS01	VX014262.D	26 Dec 2019 12:18	JC/SP	Ok,M
6	VX1226MBS01	VX014263.D	26 Dec 2019 12:51	JC/SP	Ok,M
7	K6420-05	VX014264.D	26 Dec 2019 13:15	JC/SP	Ok
8	K6405-14	VX014265.D	26 Dec 2019 13:38	JC/SP	Ok
9	K6405-13	VX014266.D	26 Dec 2019 14:01	JC/SP	ReRun
10	VX1226WBSD01	VX014267.D	26 Dec 2019 14:24	JC/SP	Ok,M
11	PB125689TB	VX014268.D	26 Dec 2019 14:48	JC/SP	Ok
12	K6118-13	VX014269.D	26 Dec 2019 15:11	JC/SP	Ok
13	K6396-10	VX014270.D	26 Dec 2019 15:34	JC/SP	Ok
14	K6405-02	VX014271.D	26 Dec 2019 15:58	JC/SP	Ok
15	K6405-04	VX014272.D	26 Dec 2019 16:21	JC/SP	Ok
16	K6405-06	VX014273.D	26 Dec 2019 16:44	JC/SP	Ok
17	K6405-09	VX014274.D	26 Dec 2019 17:08	JC/SP	Ok
18	K6405-11	VX014275.D	26 Dec 2019 17:31	JC/SP	Ok
19	K6405-12	VX014276.D	26 Dec 2019 17:54	JC/SP	Ok
20	K6420-01	VX014277.D	26 Dec 2019 18:17	JC/SP	Ok
21	K6420-02	VX014278.D	26 Dec 2019 18:41	JC/SP	Ok
22	K6420-03	VX014279.D	26 Dec 2019 19:04	JC/SP	Dilution
23	K6420-04	VX014280.D	26 Dec 2019 19:27	JC/SP	Ok
24	K6405-01DL	VX014281.D	26 Dec 2019 19:50	JC/SP	Ok
25	K6405-03DL	VX014282.D	26 Dec 2019 20:14	JC/SP	Ok
26	K6405-05DL	VX014283.D	26 Dec 2019 20:37	JC/SP	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VX122619

Review By	john	Review On	12/27/2019 11:35:47 AM		
Supervise By	apatel	Supervise On	12/27/2019 12:03:48 PM		
SubDirectory	VX122619	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP89756,VP89759				
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511				
CCC	VP89757,VP89758,VP89760,VP89761				
Internal Standard/PEM	VP88281				
ICV/I.BLK	VP89512				

27	K6434-01	VX014284.D	26 Dec 2019 21:00	JC/SP	Ok
28	K6434-02	VX014285.D	26 Dec 2019 21:24	JC/SP	Ok
29	VSTDCCC050	VX014286.D	26 Dec 2019 21:47	JC/SP	Ok,M
30	BFB	VX014287.D	26 Dec 2019 22:33	JC/SP	Ok
31	VSTDCCC050	VX014288.D	26 Dec 2019 22:56	JC/SP	Ok,M
32	VX1226WBL02	VX014289.D	27 Dec 2019 00:06	JC/SP	Ok
33	VX1226WBS02	VX014290.D	27 Dec 2019 00:29	JC/SP	Ok,M
34	VX1226WBSD02	VX014291.D	27 Dec 2019 00:52	JC/SP	Ok,M
35	K6396-12	VX014292.D	27 Dec 2019 01:16	JC/SP	Ok
36	K6413-14	VX014293.D	27 Dec 2019 01:39	JC/SP	Ok
37	K6413-15	VX014294.D	27 Dec 2019 02:02	JC/SP	Ok
38	K6413-16	VX014295.D	27 Dec 2019 02:25	JC/SP	Ok
39	K6414-09	VX014296.D	27 Dec 2019 02:49	JC/SP	Ok
40	K6414-10	VX014297.D	27 Dec 2019 03:12	JC/SP	Ok
41	K6436-08	VX014298.D	27 Dec 2019 03:35	JC/SP	Ok
42	K6436-09	VX014299.D	27 Dec 2019 03:59	JC/SP	Ok
43	VSTDCCC050	VX014300.D	27 Dec 2019 04:22	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX122719

Review By	john	Review On	12/30/2019 9:43:35 AM		
Supervise By	apatel	Supervise On	12/30/2019 11:05:16 AM		
SubDirectory	VX122719	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP89795,VP89797				
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511				
CCC	VP89796,VP89798,VP89799,VP89800				
Internal Standard/PEM	VP88281				
ICV/I.BLK	VP89512				

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VX014301.D	27 Dec 2019 11:31	JC/SP	Ok
2	VSTDCCC050	VX014302.D	27 Dec 2019 12:03	JC/SP	Ok,M
3	VX1227WBL01	VX014303.D	27 Dec 2019 12:41	JC/SP	Ok
4	VX1227WBS01	VX014304.D	27 Dec 2019 13:15	JC/SP	Ok,M
5	K6457-01	VX014305.D	27 Dec 2019 13:48	JC/SP	Ok
6	K6457-02	VX014306.D	27 Dec 2019 14:11	JC/SP	Ok
7	K6457-03	VX014307.D	27 Dec 2019 14:35	JC/SP	Ok
8	K6457-04	VX014308.D	27 Dec 2019 14:58	JC/SP	Ok
9	K6434-04	VX014309.D	27 Dec 2019 15:21	JC/SP	Ok
10	K6405-13	VX014310.D	27 Dec 2019 15:44	JC/SP	Ok
11	K6420-03DL	VX014311.D	27 Dec 2019 16:08	JC/SP	Ok
12	K6434-05	VX014312.D	27 Dec 2019 16:31	JC/SP	Ok
13	K6434-06	VX014313.D	27 Dec 2019 16:54	JC/SP	Ok
14	K6431-18	VX014314.D	27 Dec 2019 17:18	JC/SP	Ok
15	K6431-17	VX014315.D	27 Dec 2019 17:41	JC/SP	Ok
16	K6431-16	VX014316.D	27 Dec 2019 18:04	JC/SP	Ok
17	K6449-01	VX014317.D	27 Dec 2019 18:28	JC/SP	Ok
18	K6449-02	VX014318.D	27 Dec 2019 18:51	JC/SP	Ok
19	K6449-03	VX014319.D	27 Dec 2019 19:14	JC/SP	Ok
20	K6449-04	VX014320.D	27 Dec 2019 19:38	JC/SP	Ok
21	K6449-05	VX014321.D	27 Dec 2019 20:01	JC/SP	Ok
22	K6449-08	VX014322.D	27 Dec 2019 20:24	JC/SP	Ok
23	K6449-09	VX014323.D	27 Dec 2019 20:48	JC/SP	Ok
24	K6449-10	VX014324.D	27 Dec 2019 21:11	JC/SP	Ok
25	K6449-11	VX014325.D	27 Dec 2019 21:34	JC/SP	Ok
26	K6449-06MS	VX014326.D	27 Dec 2019 21:57	JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX122719

Review By	john	Review On	12/30/2019 9:43:35 AM		
Supervise By	apatel	Supervise On	12/30/2019 11:05:16 AM		
SubDirectory	VX122719	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP89795,VP89797				
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511				
CCC	VP89796,VP89798,VP89799,VP89800				
Internal Standard/PEM	VP88281				
ICV/I.BLK	VP89512				

27	K6449-07MSD	VX014327.D	27 Dec 2019 22:21	JC/SP	Ok,M
28	VSTDCCC050	VX014328.D	27 Dec 2019 22:44	JC/SP	Ok,M
29	BFB	VX014329.D	27 Dec 2019 23:07	JC/SP	Ok
30	VSTDCCC050	VX014330.D	27 Dec 2019 23:54	JC/SP	Ok,M
31	VX1227WBL02	VX014331.D	28 Dec 2019 01:03	JC/SP	Ok
32	VX1227WBS02	VX014332.D	28 Dec 2019 01:27	JC/SP	Ok,M
33	VX1227WBSD02	VX014333.D	28 Dec 2019 01:50	JC/SP	Ok,M
34	PB125747TB	VX014334.D	28 Dec 2019 02:13	JC/SP	Ok
35	K6431-05	VX014335.D	28 Dec 2019 02:36	JC/SP	Ok
36	K6113-15	VX014336.D	28 Dec 2019 03:00	JC/SP	Ok
37	K6117-12	VX014337.D	28 Dec 2019 03:23	JC/SP	Ok
38	K6441-08	VX014338.D	28 Dec 2019 03:46	JC/SP	Ok
39	K6441-09	VX014339.D	28 Dec 2019 04:10	JC/SP	Ok
40	K6442-07	VX014340.D	28 Dec 2019 04:33	JC/SP	Ok
41	VSTDCCC050	VX014341.D	28 Dec 2019 04:56	JC/SP	Ok,M

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121319

Review By	john	Review On	12/16/2019 9:19:40 AM		
Supervise By	apatel	Supervise On	12/16/2019 12:58:28 PM		
SubDirectory	VX121319	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP89492				
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511				
CCC	VP89498,VP89499				
Internal Standard/PEM	VP88281				
ICV/I.BLK	VP89512				

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX014005.D	13 Dec 2019 12:35		JC/SP	Ok
2	VSTDCCC050	VSTDCCC050	VX014006.D	13 Dec 2019 14:08	Need ical	JC/SP	Not Ok
3	VSTDICC001	VSTDICC001	VX014007.D	13 Dec 2019 14:49	Method pass for DOD	JC/SP	Ok,M
4	VSTDICC005	VSTDICC005	VX014008.D	13 Dec 2019 15:12		JC/SP	Ok,M
5	VSTDICC020	VSTDICC020	VX014009.D	13 Dec 2019 15:36		JC/SP	Ok,M
6	VSTDICCC050	VSTDICCC050	VX014010.D	13 Dec 2019 15:59		JC/SP	Ok,M
7	VSTDICC100	VSTDICC100	VX014011.D	13 Dec 2019 16:22		JC/SP	Ok,M
8	VSTDICC150	VSTDICC150	VX014012.D	13 Dec 2019 16:45		JC/SP	Ok,M
9	VSTDICV050	ICVVX121319	VX014013.D	13 Dec 2019 18:00	pH#Lot#9654	JC/SP	Ok,M
10	VX1213WBL01	VX1213WBL01	VX014014.D	13 Dec 2019 18:58		JC/SP	Ok
11	VX1213WBS01	VX1213WBS01	VX014015.D	13 Dec 2019 19:21		JC/SP	Ok,M
12	VX1213WBSD01	VX1213WBSD01	VX014016.D	13 Dec 2019 19:45		JC/SP	Ok,M
13	K6182-01	STORAGE-BLANK-SO	VX014017.D	13 Dec 2019 20:31	vial A pH<2	JC/SP	Ok
14	K6182-02	STORAGE-BLANK-WA	VX014018.D	13 Dec 2019 20:55	vial A pH<2	JC/SP	Ok
15	K6182-03	STORAGE-BLANK-WA	VX014019.D	13 Dec 2019 21:18	vial A pH<2	JC/SP	Ok
16	K6182-04	STORAGE-BLANK-SAI	VX014020.D	13 Dec 2019 21:41	vial A pH<2	JC/SP	Ok
17	VSTDCCC050	VSTDCCC050EC	VX014021.D	13 Dec 2019 22:04		JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX122419

Review By	john	Review On	12/26/2019 9:37:28 AM
Supervise By	apatel	Supervise On	12/26/2019 2:34:15 PM
SubDirectory	VX122419	HP Acquire Method	MSVOA_X HP Processing Method 82X121319W.M

STD. NAME	STD REF.#
Tune/Reschk	VP89725
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511
CCC	VP89726,VP89727
Internal Standard/PEM	VP88281
ICV/ILBLK	VP89512

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX014231.D	24 Dec 2019 08:54		JC/SP	Ok
2	VSTDCCC050	VSTDCCC050	VX014232.D	24 Dec 2019 09:28	pH#Lot#9654	JC/SP	Ok,M
3	VX1224MBL01	VX1224MBL01	VX014233.D	24 Dec 2019 10:08		JC/SP	Ok
4	VX1224WBL01	VX1224WBL01	VX014234.D	24 Dec 2019 10:32		JC/SP	Ok
5	VX1224WBS01	VX1224WBS01	VX014235.D	24 Dec 2019 11:09		JC/SP	Ok,M
6	VX1224MBS01	VX1224MBS01	VX014236.D	24 Dec 2019 11:45		JC/SP	Ok,M
7	K6393-05	TB-122019	VX014237.D	24 Dec 2019 12:09	vial B pH<2 Hit of compound#16,20	JC/SP	Ok
8	K6377-06DL	MW-7DL	VX014238.D	24 Dec 2019 12:32	vial B pH<2	JC/SP	Ok
9	K6401-01	C0B37	VX014239.D	24 Dec 2019 12:55		JC/SP	Ok
10	K6401-04	C0B38	VX014240.D	24 Dec 2019 13:19		JC/SP	Ok
11	K6401-05	C0B39	VX014241.D	24 Dec 2019 13:42	Need soil run	JC/SP	Not Ok
12	K6401-06	C0B40	VX014242.D	24 Dec 2019 14:05		JC/SP	Ok
13	K6401-02MS	C0B37MS	VX014243.D	24 Dec 2019 14:28	Removed from login	JC/SP	Not Ok
14	K6401-03MSD	C0B37MSD	VX014244.D	24 Dec 2019 14:52	Removed from login	JC/SP	Not Ok
15	K6406-02	C-WATER_12.20.19	VX014245.D	24 Dec 2019 15:15	vial A pH<2	JC/SP	Ok
16	VX1224WBSD01	VX1224WBSD01	VX014246.D	24 Dec 2019 15:38		JC/SP	Ok,M
17	K6405-01	991-MW-01-(23)	VX014247.D	24 Dec 2019 16:01	vial A pH<2 Need 20X	JC/SP	Dilution
18	K6405-02	992-MW-02-(23.8)	VX014248.D	24 Dec 2019 16:25	vial A pH<2 E flag in previous sample	JC/SP	ReRun
19	K6405-03	993-MW-03A-(17)	VX014249.D	24 Dec 2019 16:48	vial A pH<2 Need 5X	JC/SP	Dilution
20	K6405-04	994-MW-05-(17)	VX014250.D	24 Dec 2019 17:11	vial A pH<2 E flag in previous sample	JC/SP	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX122419

Review By	john	Review On	12/26/2019 9:37:28 AM				
Supervise By	apatel	Supervise On	12/26/2019 2:34:15 PM				
SubDirectory	VX122419	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M		
STD. NAME	STD REF.#						
Tune/Reschk	VP89725						
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511						
CCC	VP89726,VP89727						
Internal Standard/PEM	VP88281						
ICV/I.BLK	VP89512						
21	K6405-05	995-MW-11-(15)	VX014251.D	24 Dec 2019 17:35	vial A pH<2 Need 5X	JC/SP	Dilution
22	K6405-06	996-MW-15-(17)	VX014252.D	24 Dec 2019 17:58	vial A pH<2 E flag in previous sample	JC/SP	ReRun
23	K6405-09	997-MW-16-(22.5)	VX014253.D	24 Dec 2019 18:21	vial A pH<2 confirm hit, #64	JC/SP	Not Ok
24	K6405-10	998-MW-17A-(15.5)	VX014254.D	24 Dec 2019 18:45	vial A pH<2	JC/SP	Ok
25	K6405-07MS	996-MW-15-(17)MS	VX014255.D	24 Dec 2019 19:08	vial A pH<2	JC/SP	Ok,M
26	K6405-08MSD	996-MW-15-(17)MSD	VX014256.D	24 Dec 2019 19:31	vial A pH<2	JC/SP	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX014257.D	24 Dec 2019 19:54		JC/SP	Ok,M

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX122619

Review By	john	Review On	12/27/2019 11:35:47 AM		
Supervise By	apatel	Supervise On	12/27/2019 12:03:48 PM		
SubDirectory	VX122619	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M

STD. NAME	STD REF.#
Tune/Reschk	VP89756,VP89759
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511
CCC	VP89757,VP89758,VP89760,VP89761
Internal Standard/PEM	VP88281
ICV/IL.BLK	VP89512

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX014258.D	26 Dec 2019 10:14		JC/SP	Ok
2	VSTDCCC050	VSTDCCC050	VX014259.D	26 Dec 2019 10:46	pH#Lot#9654	JC/SP	Ok,M
3	VX1226MBL01	VX1226MBL01	VX014260.D	26 Dec 2019 11:22		JC/SP	Ok
4	VX1226WBL01	VX1226WBL01	VX014261.D	26 Dec 2019 11:45		JC/SP	Ok
5	VX1226WBS01	VX1226WBS01	VX014262.D	26 Dec 2019 12:18		JC/SP	Ok,M
6	VX1226MBS01	VX1226MBS01	VX014263.D	26 Dec 2019 12:51		JC/SP	Ok,M
7	K6420-05	TRIP	VX014264.D	26 Dec 2019 13:15	vial A pH<2 TB	JC/SP	Ok
8	K6405-14	1002-TB122019	VX014265.D	26 Dec 2019 13:38	vial A pH<2 TB	JC/SP	Ok
9	K6405-13	1001-FB122019	VX014266.D	26 Dec 2019 14:01	vial A pH<2 FB, HIT of comp# 16,20	JC/SP	ReRun
10	VX1226WBSD01	VX1226WBSD01	VX014267.D	26 Dec 2019 14:24		JC/SP	Ok,M
11	PB125689TB	PB125689TB	VX014268.D	26 Dec 2019 14:48		JC/SP	Ok
12	K6118-13	SU-01-122319	VX014269.D	26 Dec 2019 15:11	vial A pH#7.0	JC/SP	Ok
13	K6396-10	SB-5-(0-2)	VX014270.D	26 Dec 2019 15:34		JC/SP	Ok
14	K6405-02	992-MW-02-(23.8)	VX014271.D	26 Dec 2019 15:58	vial B pH<2	JC/SP	Ok
15	K6405-04	994-MW-05-(17)	VX014272.D	26 Dec 2019 16:21	vial B pH<2	JC/SP	Ok
16	K6405-06	996-MW-15-(17)	VX014273.D	26 Dec 2019 16:44	vial B pH<2	JC/SP	Ok
17	K6405-09	997-MW-16-(22.5)	VX014274.D	26 Dec 2019 17:08	vial B pH<2	JC/SP	Ok
18	K6405-11	999-MW-18-(21.5)	VX014275.D	26 Dec 2019 17:31	vial A pH<2	JC/SP	Ok
19	K6405-12	1000-MW-19-(28)	VX014276.D	26 Dec 2019 17:54	vial A pH<2	JC/SP	Ok
20	K6420-01	MW-3	VX014277.D	26 Dec 2019 18:17	vial A pH<2	JC/SP	Ok
21	K6420-02	MW-1	VX014278.D	26 Dec 2019 18:41	vial A pH<2	JC/SP	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VX122619

Review By	john	Review On	12/27/2019 11:35:47 AM		
Supervise By	apatel	Supervise On	12/27/2019 12:03:48 PM		
SubDirectory	VX122619	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M

STD. NAME	STD REF.#
Tune/Reschk	VP89756,VP89759
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511
CCC	VP89757,VP89758,VP89760,VP89761
Internal Standard/PEM	VP88281
ICV/I.BLK	VP89512

22	K6420-03	MW-2	VX014279.D	26 Dec 2019 19:04	vial A pH<2 Need 10X	JC/SP	Dilution
23	K6420-04	PW	VX014280.D	26 Dec 2019 19:27	vial A pH<2	JC/SP	Ok
24	K6405-01DL	991-MW-01-(23)DL	VX014281.D	26 Dec 2019 19:50		JC/SP	Ok
25	K6405-03DL	993-MW-03A-(17)DL	VX014282.D	26 Dec 2019 20:14		JC/SP	Ok
26	K6405-05DL	995-MW-11-(15)DL	VX014283.D	26 Dec 2019 20:37		JC/SP	Ok
27	K6434-01	GW-2	VX014284.D	26 Dec 2019 21:00	vial A pH<2	JC/SP	Ok
28	K6434-02	GW-1	VX014285.D	26 Dec 2019 21:24	vial A pH<2	JC/SP	Ok
29	VSTDCCC050	VSTDCCC050EC	VX014286.D	26 Dec 2019 21:47		JC/SP	Ok,M
30	BFB	BFB	VX014287.D	26 Dec 2019 22:33		JC/SP	Ok
31	VSTDCCC050	VSTDCCC050	VX014288.D	26 Dec 2019 22:56		JC/SP	Ok,M
32	VX1226WBL02	VX1226WBL02	VX014289.D	27 Dec 2019 00:06		JC/SP	Ok
33	VX1226WBS02	VX1226WBS02	VX014290.D	27 Dec 2019 00:29		JC/SP	Ok,M
34	VX1226WBSD02	VX1226WBSD02	VX014291.D	27 Dec 2019 00:52		JC/SP	Ok,M
35	K6396-12	SB-2-(4-5)-TCLP	VX014292.D	27 Dec 2019 01:16	vial A pH#7.0	JC/SP	Ok
36	K6413-14	K005-AA-WC-1	VX014293.D	27 Dec 2019 01:39	vial A pH#7.0	JC/SP	Ok
37	K6413-15	K005-AA-WC-2	VX014294.D	27 Dec 2019 02:02	vial A pH#7.0	JC/SP	Ok
38	K6413-16	K005-AB-WC-1	VX014295.D	27 Dec 2019 02:25	vial A pH#7.0	JC/SP	Ok
39	K6414-09	K183-WC-01	VX014296.D	27 Dec 2019 02:49	vial A pH#7.0	JC/SP	Ok
40	K6414-10	K183-WC-02	VX014297.D	27 Dec 2019 03:12	vial A pH#7.0	JC/SP	Ok
41	K6436-08	K009-WC-1	VX014298.D	27 Dec 2019 03:35	vial A pH#7.0	JC/SP	Ok
42	K6436-09	K009-WC-2	VX014299.D	27 Dec 2019 03:59	vial A pH#7.0	JC/SP	Ok
43	VSTDCCC050	VSTDCCC050EC	VX014300.D	27 Dec 2019 04:22		JC/SP	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VX122719

Review By	john	Review On	12/30/2019 9:43:35 AM
Supervise By	apatel	Supervise On	12/30/2019 11:05:16 AM
SubDirectory	VX122719	HP Acquire Method	MSVOA_X HP Processing Method 82X121319W.M

STD. NAME	STD REF.#
Tune/Reschk	VP89795,VP89797
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511
CCC	VP89796,VP89798,VP89799,VP89800
Internal Standard/PEM	VP88281
ICV/IL.BLK	VP89512

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX014301.D	27 Dec 2019 11:31		JC/SP	Ok
2	VSTDCCC050	VSTDCCC050	VX014302.D	27 Dec 2019 12:03	pH#Lot#9654	JC/SP	Ok,M
3	VX1227WBL01	VX1227WBL01	VX014303.D	27 Dec 2019 12:41		JC/SP	Ok
4	VX1227WBS01	VX1227WBS01	VX014304.D	27 Dec 2019 13:15		JC/SP	Ok,M
5	K6457-01	STORAGE-BLANK-SO	VX014305.D	27 Dec 2019 13:48	vial A pH<2	JC/SP	Ok
6	K6457-02	STORAGE-BLANK-WA	VX014306.D	27 Dec 2019 14:11	vial A pH<2	JC/SP	Ok
7	K6457-03	STORAGE-BLANK-WA	VX014307.D	27 Dec 2019 14:35	vial A pH<2	JC/SP	Ok
8	K6457-04	STORAGE-BLANK-SAI	VX014308.D	27 Dec 2019 14:58	vial A pH<2	JC/SP	Ok
9	K6434-04	TRIP-BLANK	VX014309.D	27 Dec 2019 15:21	vial A pH<2 TB	JC/SP	Ok
10	K6405-13	1001-FB122019	VX014310.D	27 Dec 2019 15:44	vial B pH<2 FB, HIT of comp# 16	JC/SP	Ok
11	K6420-03DL	MW-2DL	VX014311.D	27 Dec 2019 16:08	vial B pH<2	JC/SP	Ok
12	K6434-05	GW-3	VX014312.D	27 Dec 2019 16:31	vial A pH<2	JC/SP	Ok
13	K6434-06	GW-5	VX014313.D	27 Dec 2019 16:54	vial A pH<2	JC/SP	Ok
14	K6431-18	TB	VX014314.D	27 Dec 2019 17:18	vial A pH<2 TB	JC/SP	Ok
15	K6431-17	FIELD-BLANK	VX014315.D	27 Dec 2019 17:41	vial A pH<2 FB	JC/SP	Ok
16	K6431-16	GW-DUPLICATE	VX014316.D	27 Dec 2019 18:04	vial A pH#7.0	JC/SP	Ok
17	K6449-01	LW-04	VX014317.D	27 Dec 2019 18:28	vial A pH<2	JC/SP	Ok
18	K6449-02	LW-03	VX014318.D	27 Dec 2019 18:51	vial A pH<2	JC/SP	Ok
19	K6449-03	LW-05	VX014319.D	27 Dec 2019 19:14	vial A pH<2	JC/SP	Ok
20	K6449-04	OW-4	VX014320.D	27 Dec 2019 19:38	vial A pH<2	JC/SP	Ok
21	K6449-05	OW-5	VX014321.D	27 Dec 2019 20:01	vial A pH<2	JC/SP	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VX122719

Review By	john	Review On	12/30/2019 9:43:35 AM		
Supervise By	apatel	Supervise On	12/30/2019 11:05:16 AM		
SubDirectory	VX122719	HP Acquire Method	MSVOA_X	HP Processing Method	82X121319W.M

STD. NAME	STD REF.#
Tune/Reschk	VP89795,VP89797
Initial Calibration Stds	VP89506,VP89507,VP89508,VP89509,VP89510,VP89511
CCC	VP89796,VP89798,VP89799,VP89800
Internal Standard/PEM	VP88281
ICV/I.BLK	VP89512

22	K6449-08	OW-2	VX014322.D	27 Dec 2019 20:24	vial A pH<2	JC/SP	Ok
23	K6449-09	OW-1	VX014323.D	27 Dec 2019 20:48	vial A pH<2	JC/SP	Ok
24	K6449-10	FIELD-BLANK	VX014324.D	27 Dec 2019 21:11	vial A pH<2 FB	JC/SP	Ok
25	K6449-11	DUPLICATE	VX014325.D	27 Dec 2019 21:34	vial A pH<2	JC/SP	Ok
26	K6449-06MS	OW-5MS	VX014326.D	27 Dec 2019 21:57	vial A pH<2	JC/SP	Ok,M
27	K6449-07MSD	OW-5MSD	VX014327.D	27 Dec 2019 22:21	vial A pH<2	JC/SP	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX014328.D	27 Dec 2019 22:44		JC/SP	Ok,M
29	BFB	BFB	VX014329.D	27 Dec 2019 23:07		JC/SP	Ok
30	VSTDCCC050	VSTDCCC050	VX014330.D	27 Dec 2019 23:54		JC/SP	Ok,M
31	VX1227WBL02	VX1227WBL02	VX014331.D	28 Dec 2019 01:03		JC/SP	Ok
32	VX1227WBS02	VX1227WBS02	VX014332.D	28 Dec 2019 01:27		JC/SP	Ok,M
33	VX1227WBSD02	VX1227WBSD02	VX014333.D	28 Dec 2019 01:50		JC/SP	Ok,M
34	PB125747TB	PB125747TB	VX014334.D	28 Dec 2019 02:13		JC/SP	Ok
35	K6431-05	SB-4-(5-6)-TCLP	VX014335.D	28 Dec 2019 02:36	vial A pH#7.0	JC/SP	Ok
36	K6113-15	OR-03-122619	VX014336.D	28 Dec 2019 03:00	vial A pH#7.0	JC/SP	Ok
37	K6117-12	TR-05-122619	VX014337.D	28 Dec 2019 03:23	vial A pH#7.0	JC/SP	Ok
38	K6441-08	K321-WC-01	VX014338.D	28 Dec 2019 03:46	vial A pH#7.0	JC/SP	Ok
39	K6441-09	K321-WC-02	VX014339.D	28 Dec 2019 04:10	vial A pH#7.0	JC/SP	Ok
40	K6442-07	K615-WC-1	VX014340.D	28 Dec 2019 04:33	vial A pH#7.0	JC/SP	Ok
41	VSTDCCC050	VSTDCCC050EC	VX014341.D	28 Dec 2019 04:56		JC/SP	Ok,M

Prep Standard - Chemical Standard Summary**Order ID :** K6405**Test :** VOC-TCLVOA-10**Prepbatch ID :****Sequence ID/Qc Batch ID:** VX122419,vx122619,VX122719,**Standard ID :**

VP84295,VP84555,VP84558,VP85868,VP86480,VP86482,VP86484,VP86947,VP88271,VP88272,VP88281,VP88666,VP88916,VP88920,VP88926,VP89139,VP89143,VP89145,VP89506,VP89507,VP89508,VP89509,VP89510,VP89511,VP89512,VP89543,VP89725,VP89726,VP89727,VP89756,VP89757,VP89758,VP89759,VP89760,VP89761,VP89795,VP89796,VP89797,VP89798,VP89799,VP89800,

Chemical ID :

V10090,V10094,V10099,V10169,V10191,V10204,V10307,V10363,V10364,V10377,V10380,V10381,V10401,V10405,V10438,V10439,V10440,V10441,V10442,V10443,V10446,V10460,V10461,V10462,V10463,V7373,V7852,V8277,V8722,V8733,V8736,V9161,V9162,V9164,V9166,V9172,V9177,V9358,V9359,V9514,V9515,V9516,V9517,V9518,V9701,V9707,V9718,V9719,V9733,V9766,V9796,V9837,V9845,V9936,V9942,V9943,V9948,V9975,V9984,V9985,V9991,

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP84295	07/08/2019	01/08/2020	Semsettin Yesilyurt	None	None	mohammad ahmed 07/16/2019

FROM 0.500ml of V7852 + 49.500ml of V9766 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
262	8260 Working STD (BCM)-Second source, 100PPM	VP84555	07/16/2019	01/11/2020	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/16/2019

FROM 1.000ml of V8722 + 9.000ml of V9975 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP84558	07/16/2019	01/11/2020	Semsettin Yesilyurt	None	None	Maresh Dadoda 07/16/2019

FROM 1.000ml of V9172 + 19.000ml of V9975 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
253	8260 Working STD (BCM)-First source, 20PPM	VP85868	08/27/2019	02/27/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 08/27/2019

FROM 0.500ml of V9177 + 49.500ml of V10094 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP86480	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 0.400ml of V9517 + 1.200ml of V9514 + 1.200ml of V9515 + 1.200ml of V9516 + 46.000ml of V10099 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1812	8260 Working Std(2-CVE)-100ppm	VP86482	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 0.250ml of V9518 + 24.750ml of V10099 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP86484	09/11/2019	03/11/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/11/2019

FROM 1.600ml of V8277 + 18.400ml of V10099 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP86947	09/19/2019	03/06/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 09/19/2019

FROM 0.200ml of V8733 + 49.800ml of V10090 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
617	8260 Surrogate, 400PPM	VP88271	10/23/2019	04/22/2020	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/04/2019

FROM 0.400ml of V8736 + 24.600ml of V10191 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1738	8260 surrogate 20 ppm	VP88272	10/23/2019	04/22/2020	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/04/2019

FROM 0.020ml of V8736 + 24.990ml of V10191 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
247	8260 Internal Standard, 250PPM	VP88281	10/24/2019	01/31/2020	Semsettin Yesilyurt	None	None	Sweetuben Patel 10/24/2019

FROM 0.500ml of V7373 + 49.500ml of V10191 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP88666	11/06/2019	05/01/2020	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/11/2019

FROM 1.250ml of V9161 + 1.250ml of V9162 + 1.250ml of V9164 + 1.250ml of V9166 + 20.000ml of V10204 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP88916	11/15/2019	12/14/2019	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/19/2019

FROM 0.400ml of V10441 + 1.200ml of V10438 + 1.200ml of V10439 + 1.200ml of V10440 + 21.000ml of V10380 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
180	8260 Working STD (Acrolein)-First source, 100PPM	VP88920	11/15/2019	12/14/2019	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/19/2019

FROM 17.500ml of V10380 + 2.500ml of VP88916 = Final Quantity: 20.000 ml

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263	8260 Working STD (Acrolein)-Second source,	VP88926	11/15/2019	12/13/2019	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/19/2019
FROM	800PPM 0.400ml of V10443 + 1.200ml of V10442 + 8.400ml of V10380 = Final Quantity: 10.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP89139	11/27/2019	12/31/2019	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2019
FROM	0.160ml of V9707 + 0.400ml of V10405 + 0.800ml of V10169 + 0.800ml of V10446 + 0.800ml of V9733 + 0.800ml of V9796 + 0.800ml of V9991 + 1.200ml of V10401 + 4.240ml of V10381 = Final Quantity: 10.000 ml							

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<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP89143	11/26/2019	12/31/2019	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/27/2019

FROM 0.400ml of V9701 + 0.400ml of V9948 + 0.800ml of V10364 + 0.800ml of V9359 + 0.800ml of V9719 + 0.800ml of V9845 + 0.800ml of V9985 + 1.200ml of V10363 + 1.200ml of V9358 + 1.200ml of V9718 + 1.200ml of V9837 + 1.200ml of V9936 + 1.200ml of V9942 + 1.200ml of V9943 + 1.200ml of V9984 + 10.600ml of V10381 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
245	8260 Calibration Working STD Mix-First source, 20PPM	VP89145	11/26/2019	12/31/2019	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/27/2019

FROM 17.500ml of V10381 + 2.500ml of VP89143 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
334	1 PPB ICC, 8260-Water	VP89506	12/13/2019	12/14/2019	John Carlone	None	None	Maresh Dadoda 12/13/2019

FROM 39.982ml of V10307 + 0.002ml of VP85868 + 0.002ml of VP86482 + 0.002ml of VP88272 + 0.002ml of VP88920 + 0.002ml of VP89145 + 0.008ml of VP88281 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
335	5 PPB ICC, 8260-Water	VP89507	12/13/2019	12/14/2019	John Carlone	None	None	Maresh Dadoda 12/13/2019

FROM 39.942ml of V10307 + 0.008ml of VP88281 + 0.010ml of VP85868 + 0.010ml of VP86482 + 0.010ml of VP88272 + 0.010ml of VP88920 + 0.010ml of VP89145 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
337	20 PPB ICC, 8260-Water	VP89508	12/13/2019	12/14/2019	John Carlone	None	None	Mahesh Dadoda 12/13/2019
FROM	39.961ml of V10307 + 0.005ml of VP86480 + 0.005ml of VP88916 + 0.005ml of VP89143 + 0.008ml of VP84558 + 0.008ml of VP86947 + 0.008ml of VP88281 = Final Quantity: 40.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
380	50 PPB ICC, 8260-Water	VP89509	12/13/2019	12/14/2019	John Carlone	None	None	Mahesh Dadoda 12/13/2019
FROM	39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP88916 + 0.013ml of VP89143 = Final Quantity: 40.000 ml							

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
381	100 PPB ICC, 8260-Water	VP89510	12/13/2019	12/14/2019	John Carlone	None	None	Mahesh Dadoda 12/13/2019

FROM 39.897ml of V10307 + 0.008ml of VP88281 + 0.010ml of VP88271 + 0.010ml of VP88666 + 0.025ml of VP86480 + 0.025ml of VP88916 + 0.025ml of VP89143 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
382	150 PPB ICC, 8260-Water	VP89511	12/13/2019	12/14/2019	John Carlone	None	None	Mahesh Dadoda 12/13/2019

FROM 39.850ml of V10307 + 0.008ml of VP88281 + 0.015ml of VP88271 + 0.015ml of VP88666 + 0.038ml of VP86480 + 0.038ml of VP88916 + 0.038ml of VP89143 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
385	50 PPB ICV, 8260-Water	VP89512	12/13/2019	12/13/2019	John Carlone	None	None	Maresh Dadoda 12/13/2019
FROM	39.930ml of V10307 + 0.005ml of VP88271 + 0.008ml of VP88281 + 0.013ml of VP86484 + 0.013ml of VP88926 + 0.013ml of VP89139 + 0.020ml of VP84555 = Final Quantity: 40.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP89543	12/16/2019	01/12/2020	Semsettin Yesilyurt	None	None	Maresh Dadoda 12/16/2019
FROM	0.400ml of V10463 + 1.200ml of V10460 + 1.200ml of V10461 + 1.200ml of V10462 + 21.000ml of V10377 = Final Quantity: 25.000 ml							

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VOC STANDARD PREPARATION LOG

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589	BFB TUNE CHECK	VP89725	12/24/2019	12/25/2019	John Carlone	None	None	Amit Patel 12/24/2019

FROM 39.984ml of V10307 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP89726	12/24/2019	12/25/2019	John Carlone	None	None	Amit Patel 12/24/2019

FROM 39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP89727	12/24/2019	12/25/2019	John Carlone	None	None	Amit Patel 12/24/2019

FROM 39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP89756	12/26/2019	12/27/2019	John Carlone	None	None	Amit Patel 12/26/2019

FROM 39.984ml of V10307 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

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620	50 PPB CCC, 8260-Water	VP89757	12/26/2019	12/27/2019	John Carlone	None	None	Amit Patel 12/26/2019

FROM 39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP89758	12/26/2019	12/27/2019	John Carlone	None	None	Amit Patel 12/26/2019

FROM 39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP89759	12/26/2019	12/27/2019	John Carlone	None	None	Amit Patel 12/26/2019

FROM 39.984ml of V10307 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP89760	12/26/2019	12/27/2019	John Carlone	None	None	Amit Patel 12/26/2019

FROM 39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP89761	12/26/2019	12/27/2019	John Carlone	None	None	Amit Patel 12/26/2019

FROM 39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP89795	12/27/2019	12/28/2019	John Carlone	None	None	Amit Patel 12/28/2019

FROM 39.984ml of V10307 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

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620	50 PPB CCC, 8260-Water	VP89796	12/27/2019	12/28/2019	John Carlone	None	None	Amit Patel 12/28/2019

FROM 39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP89797	12/27/2019	12/28/2019	John Carlone	None	None	Amit Patel 12/28/2019

FROM 39.984ml of V10307 + 0.016ml of VP84295 = Final Quantity: 40.000 ml

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620	50 PPB CCC, 8260-Water	VP89798	12/27/2019	12/28/2019	John Carlone	None	None	Amit Patel 12/28/2019

FROM 39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP89799	12/27/2019	12/28/2019	John Carlone	None	None	Amit Patel 12/28/2019

FROM 39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP89800	12/27/2019	12/28/2019	John Carlone	None	None	Amit Patel 12/28/2019
FROM	39.945ml of V10307 + 0.005ml of VP88271 + 0.005ml of VP88666 + 0.008ml of VP88281 + 0.013ml of VP86480 + 0.013ml of VP89143 + 0.013ml of VP89543 = Final Quantity: 40.000 ml							

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/19/2020	09/19/2019 / sam	08/19/2019 / SAM	V10090

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	02/27/2020	08/27/2019 / sam	08/19/2019 / SAM	V10094

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	03/11/2020	09/11/2019 / sam	08/19/2019 / SAM	V10099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010419	05/27/2020	11/27/2019 / sam	08/29/2019 / sam	V10169

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000199507	04/23/2020	10/23/2019 / sam	09/16/2019 / sam	V10191

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000202813	05/01/2020	11/01/2019 / Sam	09/16/2019 / sam	V10204

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	V10307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0152310	02/29/2020	11/20/2019 / sam	11/05/2019 / sam	V10363

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0152310	02/29/2020	11/20/2019 / sam	11/05/2019 / sam	V10364

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000199507	06/11/2020	12/11/2019 / sam	11/07/2019 / sam	V10377

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000199507	05/14/2020	11/14/2019 / pedro	11/07/2019 / sam	V10380

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000199507	05/26/2020	11/26/2019 / sam	11/07/2019 / sam	V10381

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0149957	05/27/2020	11/27/2019 / sam	11/11/2019 / sam	V10401

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0149957	05/27/2020	11/27/2019 / sam	11/11/2019 / sam	V10405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111419	12/14/2019	11/15/2019 / sam	11/15/2019 / sam	V10438

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111419	12/14/2019	11/15/2019 / sam	11/15/2019 / sam	V10439

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111419	12/14/2019	11/15/2019 / sam	11/15/2019 / sam	V10440

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111419	12/14/2019	11/15/2019 / sam	11/15/2019 / sam	V10441

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111319	12/13/2019	11/15/2019 / sam	11/15/2019 / sam	V10442

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111319	12/13/2019	11/15/2019 / sam	11/15/2019 / sam	V10443

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0150712	05/26/2020	11/26/2019 / sam	07/18/2019 / sam	V10446

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	121219	01/12/2020	12/16/2019 / sam	12/16/2019 / sam	V10460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	121219	01/12/2020	12/16/2019 / sam	12/16/2019 / sam	V10461

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	121219	01/12/2020	12/16/2019 / sam	12/16/2019 / sam	V10462

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	121219	01/12/2020	12/16/2019 / sam	12/16/2019 / sam	V10463

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0123929	01/31/2020	10/23/2019 / sam	01/06/2017 / Sam	V7373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0127174	01/08/2020	07/08/2019 / sam	08/10/2017 / sam	V7852

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	012218	03/11/2020	09/11/2019 / sam	01/23/2018 / sam	V8277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	072918	01/16/2020	07/16/2019 / SAM	07/27/2018 / sam	V8722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0140077	03/06/2020	09/06/2019 / sam	07/31/2018 / sam	V8733

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0140077	04/23/2020	10/23/2019 / sam	07/31/2018 / sam	V8736

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	05/06/2020	11/06/2019 / sam	11/21/2018 / sam	V9161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	05/06/2020	11/06/2019 / sam	11/21/2018 / sam	V9162

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	05/06/2020	11/06/2019 / sam	11/21/2018 / sam	V9164

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	05/06/2020	11/06/2019 / sam	11/21/2018 / sam	V9166

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	01/16/2020	07/16/2019 / SAM	11/21/2018 / sam	V9172

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0143315	02/27/2020	08/27/2019 / sam	11/21/2018 / sam	V9177

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010719	04/24/2020	10/24/2019 / sam	01/08/2019 / sam	V9358

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	010719	05/20/2020	11/20/2019 / sam	01/08/2019 / sam	V9359

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9514

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9516

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	031419	03/11/2020	09/11/2019 / sam	03/15/2019 / sam	V9518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0146062	05/20/2020	11/20/2019 / sam	05/03/2019 / sam	V9701

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0141192	05/27/2020	11/27/2019 / sam	05/03/2019 / sam	V9707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050119	05/20/2020	11/20/2019 / sam	05/03/2019 / sam	V9718

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050119	05/01/2022	11/20/2019 / sam	05/03/2019 / sam	V9719

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	050219	05/27/2020	11/27/2019 / sam	05/06/2019 / sam	V9733

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	199507	01/08/2020	07/08/2019 / sam	06/03/2019 / sam	V9766

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0149877	12/31/2019	11/27/2019 / sam	06/13/2019 / sam	V9796

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0148931	05/20/2020	11/20/2019 / sam	06/24/2019 / Sam	V9837

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0148931	05/20/2020	11/20/2019 / sam	06/24/2019 / Sam	V9845

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000ug/ml, PTM, 1ml	A0147569	05/20/2020	11/20/2019 / sam	06/24/2019 / Sam	V9936

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0147569	05/20/2020	11/20/2019 / sam	06/24/2019 / Sam	V9942

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0147569	05/20/2020	11/20/2019 / sam	06/24/2019 / Sam	V9943

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0147569	05/20/2020	11/20/2019 / sam	06/24/2019 / Sam	V9948

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	202404	01/12/2020	07/12/2019 / pedro	07/02/2019 / sam	V9975

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150565	01/31/2020	11/20/2019 / sam	07/08/2019 / SAM	V9984

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150565	01/31/2020	11/20/2019 / sam	07/08/2019 / SAM	V9985

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0150346	12/31/2019	11/27/2019 / sam	07/10/2019 / SAM	V9991

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 012218
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol
Lot# DS435

<i>Mario Luis</i>	012218
Formulated By: Mario Luis	DATE
<i>Pedro L. Rentas</i>	012218
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 012221
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2508734D

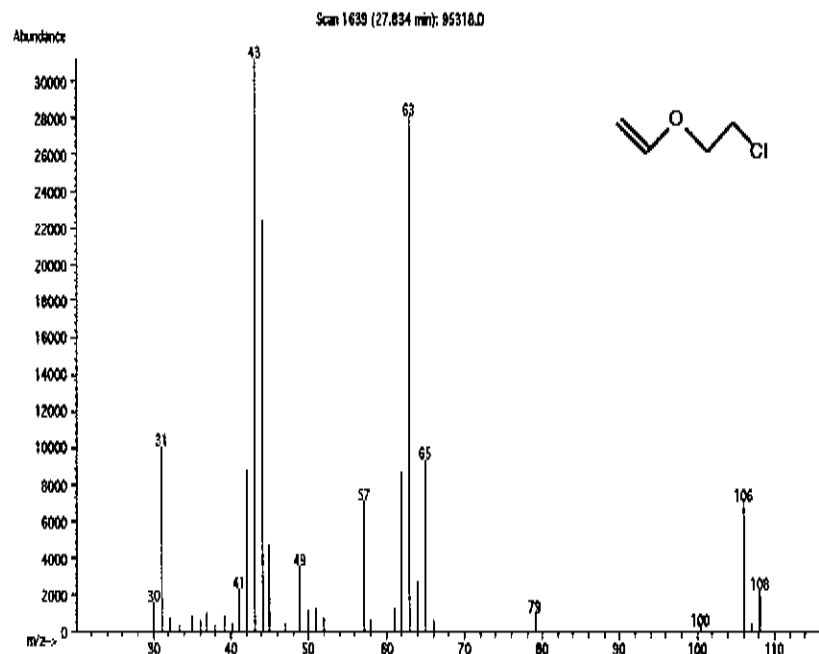
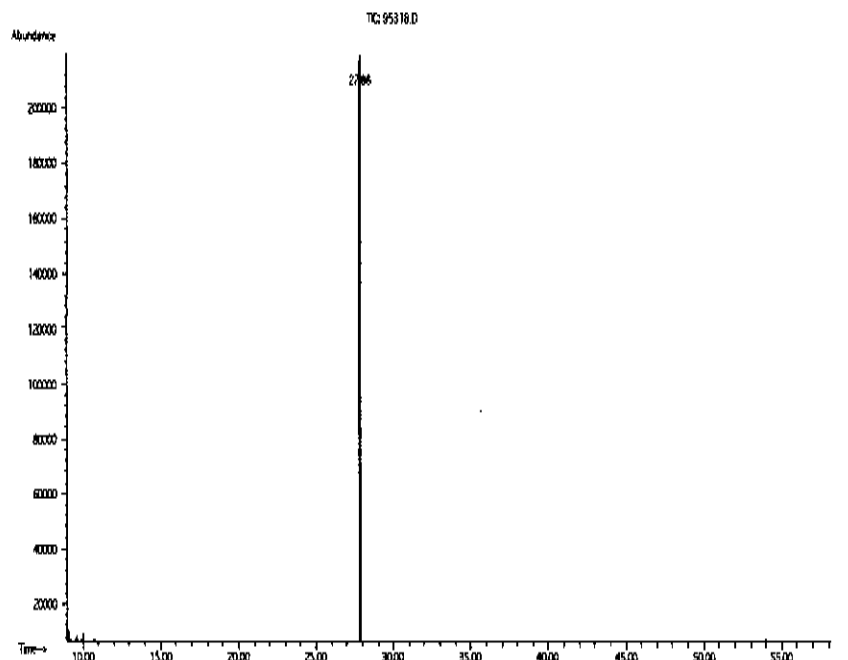
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 25.0

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LDSO
1. 2-Chloroethyl vinyl ether	74	03208CI	10000	99	0.2	0.25256	0.02528	1000.9	5.7	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0123929
Description : Custom 8260 Internal Standard Mix
Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2020 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I. K=2)	Measurement Method
1	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 Purity 99% (Lot PR-18488)	25,088.0 µg/mL	+/- 232.1691 µg/mL	Gravimetric
			+/- 1,418.2089 µg/mL	Unstressed
			+/- 1,450.8610 µg/mL	Stressed
2	1,4-Difluorobenzene CAS # 540-36-3 Purity 99% (Lot MKBN8571V)	25,144.0 µg/mL	+/- 232.6873 µg/mL	Gravimetric
			+/- 1,421.3746 µg/mL	Unstressed
			+/- 1,454.0995 µg/mL	Stressed
3	Chlorobenzene-d5 CAS # 3114-55-4 Purity 99% (Lot PR-23926)	25,012.0 µg/mL	+/- 231.4658 µg/mL	Gravimetric
			+/- 1,413.9127 µg/mL	Unstressed
			+/- 1,446.4658 µg/mL	Stressed
4	Pentafluorobenzene CAS # 363-72-4 Purity 99% (Lot MKBT9337V)	25,224.0 µg/mL	+/- 233.4276 µg/mL	Gravimetric
			+/- 1,425.8969 µg/mL	Unstressed
			+/- 1,458.7260 µg/mL	Stressed



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0127174

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
			+/-	µg/mL	µg/mL	Method
1	1-Bromo-4-fluorobenzene (BFB)	2,506.0 µg/mL	+/-	14.7066	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 01127COV)		+/-	140.5232	µg/mL	Unstressed
	Purity 99%		+/-	143.8106	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000202404
Manufactured Date: 2018/05/21
Expiration Date: 2020/05/18
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.2000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2015, 17025:2005
Panoli, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **010719**
Description: **Universal VOA Megamix**
69 components

Solvent(s): **Me**
Lot# **DT140Q6**

Expiration Date: **010722**
Recommended Storage: **Freezer (0 °C)**
Nominal Concentration ($\mu\text{g/mL}$): **2000**
NIST Test ID#: **2684186**

		010719
Formulated By:	Justin Dippold	DATE
		010719
Reviewed By:	Pedro L. Rentes	DATE

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.001** **Flask Uncertainty**

Compound	(RM#) Part Number	Lot Number	DI Factor	Initial Vol. (mL)	Initial Conc. ($\mu\text{g/mL}$)	Nominal Conc. ($\mu\text{g/mL}$)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight (g)	Actual Weight (g)	Actual Conc. ($\mu\text{g/mL}$)	Expanded Uncertainty (+/-) ($\mu\text{g/mL}$)	SDS Information (Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LDSO
1. Acetonitrile	(0324)	060812	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20050	2002.8	8.1	75-05-8	40 ppm (70mg/m3/8H)	ori-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	107-05-1	1 ppm (3mg/m3/8H)	ori-rat 700mg/kg
3. Carbon disulfide	(0050)	MKB2869V	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	75-15-0	4 ppm (12mg/m3) (skin)	ori-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718FF	NA	NA	NA	2000	95	0.2	NA	0.21055	0.21075	2001.9	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20728	0.20750	2002.2	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	209453	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20230	2002.6	8.2	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20225	2002.1	8.1	97-63-2	N/A	ori-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20135	2003.2	8.1	74-88-4	5 ppm (28mg/m3/8H)(skin)	ori-rat 78mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20120	2001.7	8.1	78-83-1	50 ppm (150mg/m3/8H)	ori-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	126-98-7	1 ppm (3mg/m3/8H)(skin)	ori-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20100	2007.6	8.1	96-33-3	10 ppm (35mg/m3/8H)(skin)	ori-rat 277mg/kg
12. Methyl methacrylate	(0404)	03021BX	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20220	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	ori-rat 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	98-95-3	1 ppm (5mg/m3/8H)(skin)	ori-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	95	0.2	NA	0.21055	0.21075	2001.9	8.5	79-48-9	10 ppm (35mg/m3/8H)	ori-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA0Q1	NA	NA	NA	2000	98	0.2	NA	0.20410	0.20430	2001.9	8.2	76-01-7	N/A	N/A
16. 1,1,2-Trichloroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20220	2001.6	8.1	76-13-1	1000 ppm (7800mg/m3/8H)	ori-rat 43g/kg
17. Bromodichloromethane	35171	051118	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	75-27-4	N/A	ori-rat 916mg/kg
18. Dibromochloromethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	124-48-1	N/A	ori-rat 848mg/kg
19. cis-1,2-Dichloroethane	35171	051118	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	1999.9	15.8	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	156-60-5	N/A	ori-rat 1235mg/kg
21. Methylene chloride	35171	051118	0.05	5.00	40003.2	2000	NA	NA	0.017	NA	NA	1999.9	15.8	75-09-2	500 ppm	ori-rat 820mg/kg
22. 1,1-Dichloroethane	32251	122818	0.10	10.00	20005.5	2000	NA	NA	0.042	NA	NA	2000.3	18.7	75-35-4	1 ppm (4mg/m3/8H)	ori-rat 200mg/kg
23. Bromoform	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	75-25-2	0.5 ppm (5mg/m3) (skin)	ori-rat 933mg/kg
24. Carbon tetrachloride	95321	010419	0.10	10.00	20001.3	2000	NA	NA	0.042	NA	NA	1999.9	18.7	56-23-5	2 ppm (12.8mg/m3/8H)	ori-rat 2350mg/kg
25. Chloroform	95321	010419	0.10	10.00	20001.8	2000	NA	NA	0.042	NA	NA	2000.0	18.7	67-66-3	50 ppm (240mg/m3) (CL)	ori-rat 908mg/kg
26. Dibromomethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	74-95-3	N/A	ori-rat 108mg/kg
27. 1,1-Dichloropropane	95321	010419	0.10	10.00	20000.8	2000	NA	NA	0.042	NA	NA	1999.9	18.7	75-34-3	100 ppm	ori-rat 725mg/kg
28. 2,2-Dichloropropane	95321	010419	0.10	10.00	20002.1	2000	NA	NA	0.042	NA	NA	2000.0	18.7	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	010419	0.10	10.00	20002.2	2000	NA	NA	0.042	NA	NA	2000.0	18.7	127-18-4	25 ppm (170mg/m3/8H)(inhal)	ori-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	71-55-6	350 ppm (1900mg/m3/8H)	ori-rat 10000mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-12-8	0.001 ppm	ori-rat 170mg/kg
32. 1,2-Dibromoethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	106-93-4	20 ppm (8H)	ori-rat 108mg/kg
33. 1,2-Dichloroethane	35161	052418	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	107-06-2	50 ppm (8H)	ori-rat 670mg/kg
34. 1,2-Dichloropropane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	78-87-5	75 ppm (350mg/m3/8H)	ori-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	052418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	142-28-9	N/A	unf-mus 3600mg/kg
36. 1,1-Dichloropropane	35161	052418	0.05	5.00	39639.5	2000	NA	NA	0.017	NA	NA	1981.8	24.2	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropane	35161	052418	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropane	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	16.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	052418	0.05	5.00	40000.9	2000	NA	NA	0.017	NA	NA	1999.8	15.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	ori-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.6	15.8	630-20-6	N/A	ori-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	79-34-5	5 ppm (35mg/m3/8H)(skin)	ori-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	15.9	79-00-5	10 ppm (45mg/m3/8H)(skin)	ori-rat 838mg/kg
43. Trichloroethane	35161	052418	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.8	15.8	79-01-6	50 ppm (270mg/m3/8H)	ori-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-18-4	10 ppm (60mg/m3/8H)	ori-rat 149.8mg/kg
45. Benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	71-43-2	1 ppm	ori-rat 4894mg/kg
46. Bromobenzene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-86-1	N/A	ori-rat 2899mg/kg
47. n-Butyl benzene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	104-51-8	N/A	N/A
48. Ethyl benzene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-41-4	100 ppm (435mg/m3/8H)	ori-rat >2000mg/kg
49. p-Isopropyl toluene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	99-87-6	N/A	ori-rat 4750mg/kg
50. Naphthalene	35162	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	91-20-3	10 ppm (60mg/m3/8H)	ori-rat 490mg/kg
51. Styrene	35162	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-42-5	100 ppm	ori-rat 6000mg/kg
52. Toluene	35162	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-88-3	200 ppm	ori-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	060418	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	87-61-6	N/A	lpr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	120-82-1	5 ppm (CL) (40mg/m3)	ori-rat 758mg/kg
55. 1,2,4-Trimethylbenzene	35162	060418	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	95-63-6	N/A	ori-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	060418	0.05	5.00	40000.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	108-67-8	N/A	N/A
57. m-Xylene	35162	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-38-3	100 ppm (435mg/m3/8H)	ori-rat 5g/kg
58. tert-Butyl benzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	135-98-8	N/A	ori-rat 2420mg/kg
60. Chlorobenzene	35163	051118	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.9	15.8	108-90-7	75 ppm (350mg/m3/8H)	ori-rat 2290mg/kg
61. 2-Chlorotoluene	35163	051118	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	95-49-9	50 ppm (250mg/m3/8H)	ori-rat 3900mg/kg
62. 4-Chlorotoluene	35163	051118	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.8	15.9	106-43-4	N/A	ori-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	051118	0.05	5.00	40002.3	2000	NA	NA	0.017	NA	NA	1999.9	15.8	85-50-1	50 ppm (300mg/m3) (CL)	ori-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.9	541-73-1	N/A	lpr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	106-46-7	75 ppm (450mg/m3/8H)</	

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000202813
Manufactured Date: 2018/05/21
Expiration Date: 2020/05/18
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.2000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2015, 17025:2005
Panoli, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000199507
Manufactured Date: 2018/06/25
Expiration Date: 2020/06/22
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	<0.1
Titration Acid (µeq/g)	<= 0.3	< 0.1
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India 9001:2015, 14001:2015, 13485:2015
Mumbai, India 9001:2015
Panaji, India 9001:2015

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Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000199507
Manufactured Date: 2018/06/25
Expiration Date: 2020/06/22
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0
Residue after Evaporation	≤ 1.0000 ppm	<0.1
Titration Acid (μeq/g)	≤ 0.3	< 0.1
Titration Base (μeq/g)	≤ 0.1	<0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
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846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001:2015, FSSC 22000
Paris, KY 9001:2008
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Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India 9001:2015, 14001:2015, 13485:2016
Mumbai, India 9001:2015
Panoli, India 9001:2015

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CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **010419**
Description: **Universal VOA Megamix**
69 components

Solvent(s): **Methanol**
Lot# **DT140Q6**

Expiration Date: **010422**
Recommended Storage: **Freezer (0 °C)**
Nominal Concentration (µg/mL): **2000**
NIST Test ID#: **2684186**

<i>Eli Aliaga</i>		010419
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		010419
Reviewed By:	Pedro L. Rentas	DATE

Weight(s) shown below were combined and diluted to (mL): **100.0 0.001** Balance Uncertainty **5E-05** Flask Uncertainty

Compound	(RM#)	Lot	Di. Factor	Initial Vol. (mL)	Initial Conc. (µg/mL)	Nominal Conc. (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	060812	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20040	2001.8	8.1	75-05-8	40 ppm (70mg/m3/8H)	ori-rat 2480mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20210	2000.6	8.1	107-05-1	1 ppm (12mg/m3/8H)	ori-rat 700mg/kg
3. Carbon disulfide	(0080)	MKBZ8689V	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	75-15-0	4 ppm (12mg/m3) (skin)	ori-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1186)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21055	0.21060	2000.5	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20728	0.20745	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	209453	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20210	2000.6	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20220	2001.6	8.1	97-63-2	N/A	ori-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF871BV	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20140	2003.7	8.1	74-88-4	5 ppm (28mg/m3/8H)(skin)	ori-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20110	2000.7	8.1	78-83-1	50 ppm (150mg/m3/8H)	ori-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	126-98-7	1 ppm (3mg/m3/8H)(skin)	ori-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20120	2000.8	8.1	96-33-3	10 ppm (35mg/m3/8H)(skin)	ori-rat 277mg/kg
12. Methyl methacrylate	(0404)	03021BX	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20225	2002.1	8.1	80-62-6	100 ppm (410mg/m3/8H)	ori-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20220	2001.6	8.1	98-95-3	1 ppm (5mg/m3/8H)(skin)	ori-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	95	0.2	NA	0.21055	0.21060	2000.5	8.5	79-46-9	10 ppm (35mg/m3/8H)	ori-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA00	NA	NA	NA	2000	98	0.2	NA	0.20410	0.20425	2001.4	8.2	76-01-7	N/A	N/A
16. 1,1,1,2-Trichloroethane	(0474)	18A930	NA	NA	NA	2000	99	0.2	NA	0.20204	0.20215	2001.1	8.1	76-13-1	1000 ppm (7800mg/m3/8H)	ori-rat 439µg/kg
17. Bromodichloromethane	35171	051118	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	75-27-4	N/A	ori-rat 918mg/kg
18. Dibromochloromethane	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	124-48-1	N/A	ori-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	051118	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	1999.9	15.8	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	051118	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.9	156-60-5	N/A	ori-rat 1235mg/kg
21. Methylene chloride	35171	051118	0.05	5.00	40003.2	2000	NA	NA	0.017	NA	NA	1999.9	15.8	75-09-2	500 ppm	ori-rat 820mg/kg
22. 1,1-Dichloroethane	32251	122818	0.10	10.00	20005.5	2000	NA	NA	0.042	NA	NA	2000.3	18.7	75-35-4	1 ppm (4mg/m3/8H)	ori-rat 200mg/kg
23. Bromoform	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	75-25-2	0.5 ppm (5mg/m3) (skin)	ori-rat 533mg/kg
24. Carbon tetrachloride	95321	010419	0.10	10.00	20001.3	2000	NA	NA	0.042	NA	NA	1999.9	18.7	56-23-5	2 ppm (12.6mg/m3/8H)	ori-rat 2350mg/kg
25. Chloroform	95321	010419	0.10	10.00	20001.8	2000	NA	NA	0.042	NA	NA	2000.0	18.7	67-66-3	50 ppm (240mg/m3) (CL)	ori-rat 908mg/kg
26. Dibromomethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	74-95-3	N/A	ori-rat 108mg/kg
27. 1,1-Dichloroethane	95321	010419	0.10	10.00	20000.8	2000	NA	NA	0.042	NA	NA	1999.9	18.7	75-34-3	100 ppm	ori-rat 725mg/kg
28. 2,2-Dichloropropane	95321	010419	0.10	10.00	20002.1	2000	NA	NA	0.042	NA	NA	2000.0	18.7	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	010419	0.10	10.00	20002.2	2000	NA	NA	0.042	NA	NA	2000.0	18.7	127-18-4	25 ppm (170mg/m3/8H)(linal)	ori-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.0	18.7	71-55-6	350 ppm (1900mg/m3/8H)	ori-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35181	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	96-12-8	0.001 ppm	ori-rat 170mg/kg
32. 1,2-Dibromoethane	35181	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	106-93-4	20 ppm (8H)	ori-rat 108mg/kg
33. 1,2-Dichloroethane	35181	052418	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	107-06-2	50 ppm (8H)	ori-rat 670mg/kg
34. 1,2-Dichloropropane	35181	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	78-87-5	75 ppm (350mg/m3/8H)	ori-rat 1947mg/kg
35. 1,3-Dichloropropane	35181	052418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropane	35181	052418	0.05	5.00	39639.5	2000	NA	NA	0.017	NA	NA	1981.8	24.2	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropane	35181	052418	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropane	35181	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	16.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35181	052418	0.05	5.00	40000.9	2000	NA	NA	0.017	NA	NA	1989.8	15.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	ori-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35181	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	630-20-6	N/A	ori-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35181	052418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	79-34-5	5 ppm (35mg/m3/8H)(skin)	ori-rat 800mg/kg
42. 1,1,2-Trichloroethane	35181	052418	0.05	5.00	40000.7	2000	NA	NA	0.017	NA	NA	1999.8	15.9	79-00-5	10 ppm (46mg/m3/8H)(skin)	ori-rat 836mg/kg
43. Trichloroethane	35181	052418	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.8	15.8	79-01-6	50 ppm (270mg/m3/8H)	ori-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35181	052418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	98-18-4	10 ppm (60mg/m3/8H)	ori-rat 149.6mg/kg
45. Benzene	35182	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	71-43-2	1 ppm	ori-rat 4894mg/kg
46. Bromobenzene	35182	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-86-1	N/A	ori-rat 2699mg/kg
47. n-Butyl benzene	35182	060418	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	104-51-8	N/A	N/A
48. Ethyl benzene	35182	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-41-4	100 ppm (435mg/m3/8H)	ori-rat >2000mg/kg
49. p-Isopropyl toluene	35182	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	99-87-6	N/A	ori-rat 4750mg/kg
50. Naphthalene	35182	060418	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.9	15.8	91-20-3	10 ppm (60mg/m3/8H)	ori-rat 490mg/kg
51. Styrene	35182	060418	0.05	5.00	40000.5	2000	NA	NA	0.017	NA	NA	1999.8	15.8	100-42-5	100 ppm	ori-rat 5000mg/kg
52. Toluene	35182	060418	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-88-3	200 ppm	ori-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35182	060418	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.9	15.8	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35182	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	120-82-1	5 ppm (CL) (40mg/m3)	ori-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35182	060418	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.9	15.9	95-63-6	N/A	ori-rat 5µg/kg
56. 1,3,5-Trimethylbenzene	35182	060418	0.05	5.00	40000.2	2000	NA	NA	0.017	NA	NA	1999.8	15.9	108-67-8	N/A	N/A
57. m-Xylene	35182	060418	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	108-38-3	100 ppm (435mg/m3/8H)	ori-rat 5µg/kg
58. tert-Butyl benzene	35183	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.8	98-06-6	N/A	N/A
59. sec-Butyl benzene	35183	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	135-98-6	N/A	ori-rat 2240mg/kg
60. Chlorobenzene	35183	051118	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.9	15.8	108-90-7	75 ppm (350mg/m3/8H)	ori-rat 2280mg/kg
61. 2-Chlorotoluene	35183	051118	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	1999.8	15.8	95-49-8	50 ppm (250mg/m3/8H)	ori-rat 3900mg/kg
62. 4-Chlorotoluene	35183	051118	0.05	5.00	40001.4	2000	NA	NA	0.017	NA	NA	1999.8	15.9	106-43-4	N/A	ori-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35183	051118	0.05	5.00	40002.3	2000	NA	NA	0.017	NA	NA	1999.9	15.8	95-50-1	50 ppm (300mg/m3) (CL)	ori-rat 500mg/kg
64. 1,3-Dichlorobenzene	35183	051118	0.05	5.00	40001.5	2000	NA	NA	0.017	NA	NA	1999.9	15.9	541-73-1	N/A	ipr-mus 1082mg/kg
65. 1,4-Dichlorobenzene	35183	051118	0.05	5.00	40001.3	2000	NA	NA	0.017	NA	NA	1999.8	15.8	106-46-7	75 ppm (450mg/m3/8H)	ori-rat 500mg/kg
66. Isopropylbenzene	35183	051118	0.05	5.00	40											

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	May 1, 2018

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
 LC50 Inhalation - rat - 4 h - 64000 ppm
 LD50 Dermal - rabbit - 15,800 mg/kg
 Toxic if absorbed through skin. Causes skin irritation.
 Eye damage/eye irritation
 Toxic if inhaled. Causes respiratory tract irritation.
 Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
 EC50 24,500.00 mg/l - 48 h
 EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
 SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 121219
Description: Acrolein

Solvent(s): Water
Lot# 062419Q

Expiration Date: 011220
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UJB

Weight(s) shown below were combined and diluted to (mL): 20.0

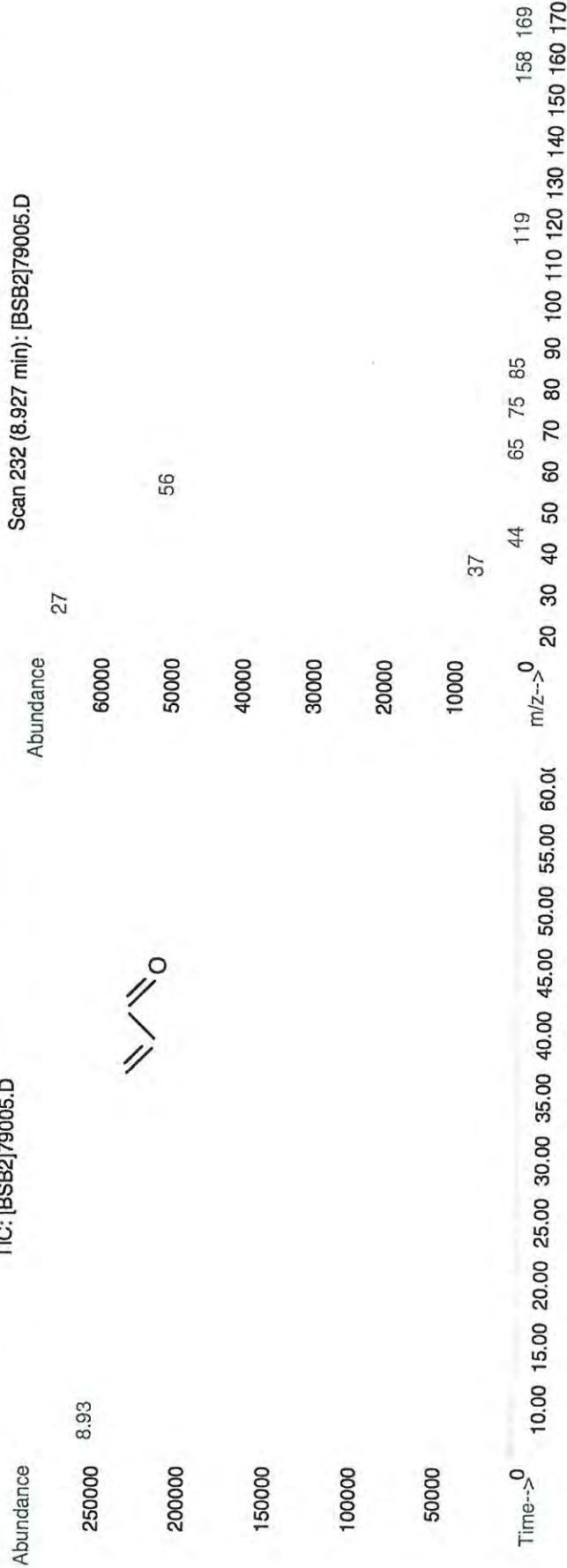
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Formulated By:	Prashant Chauhan	121219	DATE
Reviewed By:	Pedro L. Rentas	121219	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	07813BN	5000	97	0.2	0.10302	0.10332	5014.7	21.3	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1, Detector: Mass Selective Detector (Scan mode), Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness), Oven Profile: Temp. 1 = 35°C (Time 1 = 10min), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C, Analyst: Pedro Rentas, NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Boiling Point	100°C	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Water
 CAS#: 7732-18-5
 TWAs: 500 ppm

Personal protective equipment Respiratory protection
 Handle with gloves. Gloves must be inspected prior to use. Eye protection.
 Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautions for safe handling
 Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
 Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
 Storage Conditions
 Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VII. HANDLING AND STORAGE

Personal precautions
 Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
 Environmental precautions
 Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
 Clean up
 Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VI. ACCIDENTAL RELEASE MEASURES

Suitable extinguishing media
 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
 Protective equipment for fire
 Wear self contained breathing apparatus for fire fighting if necessary.
 Hazardous Decomposition products
 Carbon oxides

Section V. FIREFIGHTING MEASURES

General advice
 Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
 If inhaled
 If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
 If in case of skin contact
 Wash with soap and water. Consult a physician.
 If in case of eye contact
 Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
 If swallowed
 Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section IV. FIRST AID MEASURES

INTENDED USE: REFERENCE MATERIAL
See Certified Weight Report For Other Analytes Present At Trace Quantities.

Components (Specific Chemical Identity; Common Name(s))
 Water
 CAS#: 7732-18-5
 % (optional)
 > 97

Section III - Composition



Signal Word: DANGER

P271
 Use in ventilated area
 P302,332
 If on skin, wash with soap and water
 H315
 Causes skin and eye irritation.
 P280
 Use gloves, eye protection/face shield
 P305,351,338
 If in eyes, remove contacts, rinse with water

Section II - Hazards Identification

IDENTITY
ANALYTICAL STANDARD DISSOLVED IN WATER
 Manufacturer's Name
 ABSOLUTE STANDARDS INC
 Address
 44 Rossetto Dr.
 Hamden CT, 06514
 Emergency Telephone USA & CANADA
 1-800-535-5053
 Emergency Telephone International
 1-352-323-3500
 Date Prepared/Revised
 May 1, 2019

Section I Product and Company Identification

Safety Data Sheet (SDS) GHS/OSHA Compliant

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Section XVI. Misc. INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XV. REGULATORY INFORMATION

DOT (US)
 Not dangerous goods
 Proper shipping name: Water
 IATA
 Not dangerous goods
 Proper shipping name: Water

Section XIV. TRANSPORT INFORMATION

Dispose with normal Laboratory Solvent Waste.

Section XIII. DISPOSAL CONSIDERATIONS

LC50 NA
 EC50 NA

Section XII. ECOLOGICAL INFORMATION

LD50 Oral - Rat NA
 LC50 Inhalation - Rat NA
 LD50 Dermal - Guinea pig NA
 Causes skin irritation.
 Eye irritation

Section XI. TOXICOLOGICAL INFORMATION

Chemical stability Stable under recommended storage conditions.
 Possibility of hazardous reactions NA
 Conditions to avoid NA
 Materials to avoid NA
 Hazardous decomposition products - No data available

Section X. STABILITY AND REACTIVITY

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Solubility in Water Completely miscible

Vapor Density (AIR = 1) NA

Evaporation rate (Butyl Acetate = 1) NA

0°C



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 Lot No.: A0149877

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : December 31, 2019 Storage: 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Methyl acetate CAS # 79-20-9 Purity 99% (Lot SHBK5436)	2,015.0 µg/mL	+/- 11.8251	µg/mL	Gravimetric	
			+/- 121.5845	µg/mL	Unstressed	
			+/- 121.8731	µg/mL	Stressed	
2	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	2,018.0 µg/mL	+/- 11.8428	µg/mL	Gravimetric	
			+/- 121.7655	µg/mL	Unstressed	
			+/- 122.0546	µg/mL	Stressed	
3	Ethyl acetate CAS # 141-78-6 Purity 99% (Lot SHBK2184)	2,016.0 µg/mL	+/- 11.8310	µg/mL	Gravimetric	
			+/- 121.6448	µg/mL	Unstressed	
			+/- 121.9336	µg/mL	Stressed	
4	Isopropyl acetate CAS # 108-21-4 Purity 99% (Lot BCBT9845)	2,015.0 µg/mL	+/- 11.8251	µg/mL	Gravimetric	
			+/- 121.5845	µg/mL	Unstressed	
			+/- 121.8731	µg/mL	Stressed	
5	Propyl acetate CAS # 109-60-4 Purity 99% (Lot MUZQD)	2,008.0 µg/mL	+/- 11.7841	µg/mL	Gravimetric	
			+/- 121.1621	µg/mL	Unstressed	
			+/- 121.4497	µg/mL	Stressed	
6	Butyl acetate CAS # 123-86-4 Purity 99% (Lot SHBK5137)	2,018.0 µg/mL	+/- 11.8428	µg/mL	Gravimetric	
			+/- 121.7655	µg/mL	Unstressed	
			+/- 122.0546	µg/mL	Stressed	
7	Amyl acetate CAS # 628-63-7 Purity 99% (Lot 41325/1)	2,016.0 µg/mL	+/- 11.8310	µg/mL	Gravimetric	
			+/- 121.6448	µg/mL	Unstressed	
			+/- 121.9336	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
1tx-502.2 (cat.#10910)

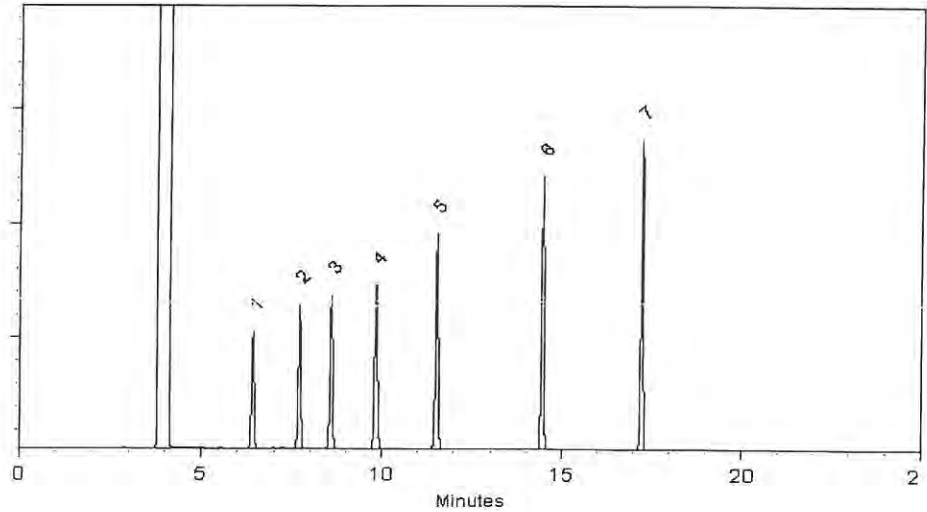
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

inj. Temp:
200°C

Det. Temp:
150°C

Det. Type:
1D

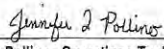


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 06-Jun-2019

Balance: B251644995


Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 07-Jun-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



Safety Data Sheet

Revision Date: 05/14/19

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30489 / 8260B Acetates Mix
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 14
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Suspected of causing cancer.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.

Take off immediately all contaminated clothing and wash it before reuse.
 In case of fire: Use extinguishing media in section 5 for extinction.

- Storage:** Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Store locked up.
- Disposal:** Dispose of contents/container according to section 13 of the SDS.
- Single Exposure Target Organs:** Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
- Repeated Exposure Target Organs:** No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	98.6
pentyl acetate (n-amyl acetate)	628-63-7	211-047-3	0.2
Isopropyl acetate	108-21-4	203-561-1	0.2
n-Butyl acetate	123-86-4	204-658-1	0.2
Vinyl acetate	108-05-4	203-545-4	0.2
n-Propyl acetate	109-60-4	203-686-1	0.2
Methyl acetate	79-20-9	201-185-2	0.2
Ethyl acetate	141-78-6	205-500-4	0.2

4. FIRST-AID MEASURES

- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
- Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Ingestion:** Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

- Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
- Fire and/or Explosion Hazards:** Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back
- Fire Fighting Methods and Protection:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
- Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment Wash thoroughly after handling Avoid contact with material. Remove contaminated clothing and wash before reuse "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m ³ TWA
Vinyl acetate	108-05-4	Not established	15 ppm STEL; 53 mg/m ³ STEL	10 ppm TWA; 35 mg/m ³ TWA	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection:

No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	72.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)

Melting Point (°C):	-98 °C
Flash Point (°F):	18
Flammability:	Highly Flammable Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	0
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	99.8
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known. Contamination
Materials to Avoid / Chemical Incompatibility:	Acids Oxidizing materials Peroxides Strong alkalis
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Vinyl acetate	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H;
Acetic acid, vinyl ester		Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg

Methanol 67-56-1 Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:
Chemical Name CAS No.
Vinyl acetate 108-05-4 Present

ACGIH:
Chemical Name CAS No.
Vinyl acetate 108-05-4 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH:
Chemical Name CAS No.
No data available

NTP:
Chemical Name CAS No.
No data available

IARC:
Chemical Name CAS No. Group No.
Monograph 63; 1995 108-05-4 Group 2B

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl acetate	108-05-4	X	X	X	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
pentyl acetate (n-amyl acetate)	628-63-7	X	X	X	X
Isopropyl acetate	108-21-4	X	X	X	X
n-Butyl acetate	123-86-4	X	X	X	X
Vinyl acetate	108-05-4	X	X	X	X
n-Propyl acetate	109-60-4	X	X	X	X
Methyl acetate	79-20-9	X	X	X	X
Ethyl acetate	141-78-6	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 01/17/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

Certificate of Composition



www.restek.com

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL Lot No.: A0150565
 Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : January 31, 2020 Storage: 0°C or colder
 Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
			Value	Unit	Condition
1	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	8,080.0 µg/mL	+/- 47.4180	µg/mL	Gravimetric
			+/- 487.5448	µg/mL	Unstressed
			+/- 488.7021	µg/mL	Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

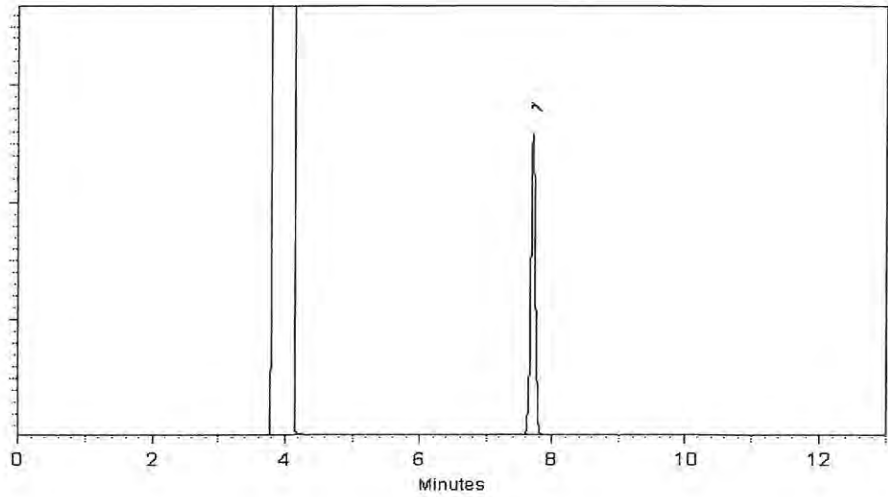
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish

Brandon Reish - Mix Technician

Date Mixed: 02-Jul-2019

Balance: 1127510105

Jennifer L Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 03-Jul-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



Safety Data Sheet

Revision Date: 02/05/18

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 555408-SL / Custom Vinyl Acetate Standard
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 3
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed or in contact with skin.
Suspected of causing cancer.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF exposed: Call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment see section 4.

Rinse mouth.
 Take off immediately all contaminated clothing and wash it before reuse.
 In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	99.2
Vinyl acetate	108-05-4	203-545-4	0.8

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal

protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment Wash thoroughly after handling Avoid contact with material. Remove contaminated clothing and wash before reuse "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
Vinyl acetate	108-05-4	Not established	15 ppm STEL; 53 mg/m3 STEL	10 ppm TWA; 35 mg/m3 TWA	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Explosion proof exhaust ventilation should be used.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	No data available
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	72.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	18
Flammability:	Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	0
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available

Solubility: Moderate; 50-99%
 Partition Coefficient: n-octanol in water: No data available
 VOC % by weight: 0
 Molecular Weight: 32.04

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
 Conditions to Avoid: None known. Contamination
 Materials to Avoid / Chemical Incompatibility: Acids Oxidizing materials Peroxides Strong alkalis
 Hazardous Decomposition Products: Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion
 Target Organs Potentially Affected By Exposure: Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
 Chemical Interactions That Change Toxicity: None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
 Inhalation Toxicity: Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
 Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
 Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
 Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
 Ingestion Toxicity: Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity: No data.
 Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
 Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
 Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
 Skin Absorption: Upon prolonged or repeated exposure, no hazard in normal industrial use.
 Ingestion: Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:		
Chemical Name	CAS No.	LD50/LC50
Vinyl acetate	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H; Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg
Acetic acid, vinyl ester		
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:		
Chemical Name	CAS No.	
Vinyl acetate	108-05-4	Present

ACGIH:		
Chemical Name	CAS No.	
Vinyl acetate	108-05-4	A3 - Confirmed Animal Carcinogen with

Unknown Relevance to Humans

NIOSH:

Chemical Name CAS No.
No data available

NTP:

Chemical Name CAS No.
No data available

IARC:

Chemical Name CAS No. Group No.
Monograph 63; 1995 108-05-4 Group 2B

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3(6.1)
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl acetate	108-05-4	X	X	X	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
Vinyl acetate	108-05-4	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 08/04/16

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

Certificate of Analysis

www.restek.com



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 Lot No.: A0152310

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : February 29, 2020 Storage: 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Methyl acetate	2,010.0 µg/mL (Lot SHBK5436)	+/-	11.7958	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	121.2828	µg/mL	Unstressed
	Purity 99%		+/-	121.5707	µg/mL	Stressed
2	Vinyl acetate	2,012.0 µg/mL (Lot STBD7333V)	+/-	11.8075	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	121.4035	µg/mL	Unstressed
	Purity 99%		+/-	121.6917	µg/mL	Stressed
3	Ethyl acetate	2,009.3 µg/mL (Lot SHBL1336)	+/-	11.7919	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.2426	µg/mL	Unstressed
	Purity 99%		+/-	121.5304	µg/mL	Stressed
4	Isopropyl acetate	2,018.0 µg/mL (Lot BCBT9845)	+/-	11.8428	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	121.7655	µg/mL	Unstressed
	Purity 99%		+/-	122.0546	µg/mL	Stressed
5	Propyl acetate	2,010.0 µg/mL (Lot MUZQD)	+/-	11.7958	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	121.2828	µg/mL	Unstressed
	Purity 99%		+/-	121.5707	µg/mL	Stressed
6	Butyl acetate	2,008.7 µg/mL (Lot SHBK5137)	+/-	11.7880	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.2024	µg/mL	Unstressed
	Purity 99%		+/-	121.4901	µg/mL	Stressed
7	Amyl acetate	2,014.0 µg/mL (Lot 41325/1)	+/-	11.8193	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	121.5242	µg/mL	Unstressed
	Purity 99%		+/-	121.8126	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

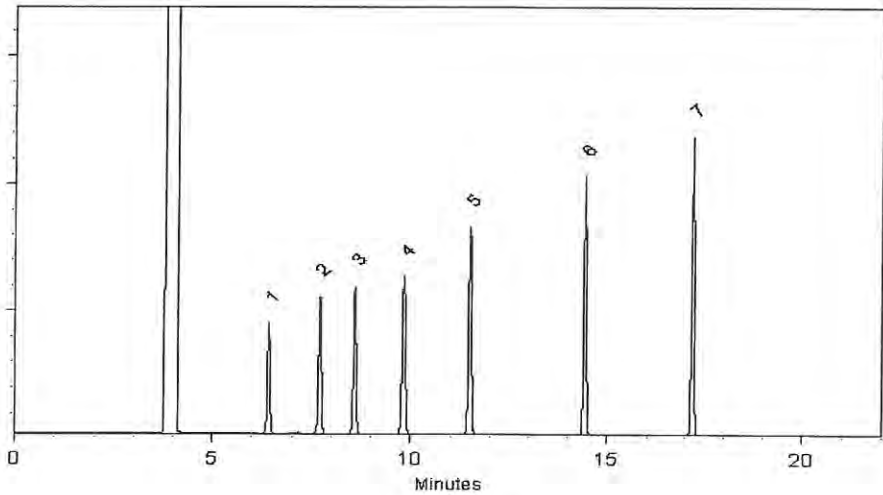
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C


Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 27-Aug-2019 Balance: B707717271


Peng Yun Lo - GC Analyst

Date Passed: 29-Aug-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



1. IDENTIFICATION

Catalog Number / Product Name: 30489 / 8260B Acetates Mix
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 14
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Suspected of causing cancer.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.

Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	98.6
pentyl acetate (n-amyl acetate)	628-63-7	211-047-3	0.2
Isopropyl acetate	108-21-4	203-561-1	0.2
n-Butyl acetate	123-86-4	204-658-1	0.2
Vinyl acetate	108-05-4	203-545-4	0.2
n-Propyl acetate	109-60-4	203-686-1	0.2
Methyl acetate	79-20-9	201-185-2	0.2
Ethyl acetate	141-78-6	205-500-4	0.2

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment Wash thoroughly after handling Avoid contact with material. Remove contaminated clothing and wash before reuse "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States: Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
Vinyl acetate	108-05-4	Not established	15 ppm STEL; 53 mg/m3 STEL	10 ppm TWA; 35 mg/m3 TWA	No data available

**Personal Protection:
Engineering Measures:**

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection:

No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	72.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)

Melting Point (°C):	-98 °C
Flash Point (°F):	18
Flammability:	Highly Flammable Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	0
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	99.8
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known. Contamination
Materials to Avoid / Chemical Incompatibility:	Acids Oxidizing materials Peroxides Strong alkalies
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death. May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:	CAS No.	LD50/LC50
Chemical Name		
Vinyl acetate	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H;
Acetic acid, vinyl ester		Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg

Methanol 67-56-1 Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name CAS No.
Vinyl acetate 108-05-4 Present

ACGIH:

Chemical Name CAS No.
Vinyl acetate 108-05-4 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH:

Chemical Name CAS No.
No data available

NTP:

Chemical Name CAS No.
No data available

IARC:

Chemical Name CAS No. Group No.
Monograph 63; 1995 108-05-4 Group 2B

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Ethyl acetate)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl acetate	108-05-4	X	X	X	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
pentyl acetate (n-amyl acetate)	628-63-7	X	X	X	X
Isopropyl acetate	108-21-4	X	X	X	X
n-Butyl acetate	123-86-4	X	X	X	X
Vinyl acetate	108-05-4	X	X	X	X
n-Propyl acetate	109-60-4	X	X	X	X
Methyl acetate	79-20-9	X	X	X	X
Ethyl acetate	141-78-6	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 01/17/18

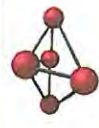
Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



Analytical Reference Material ARM



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 031419
Description: 2-Chloroethyl vinyl ether

Expiration Date: 031422
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2684186

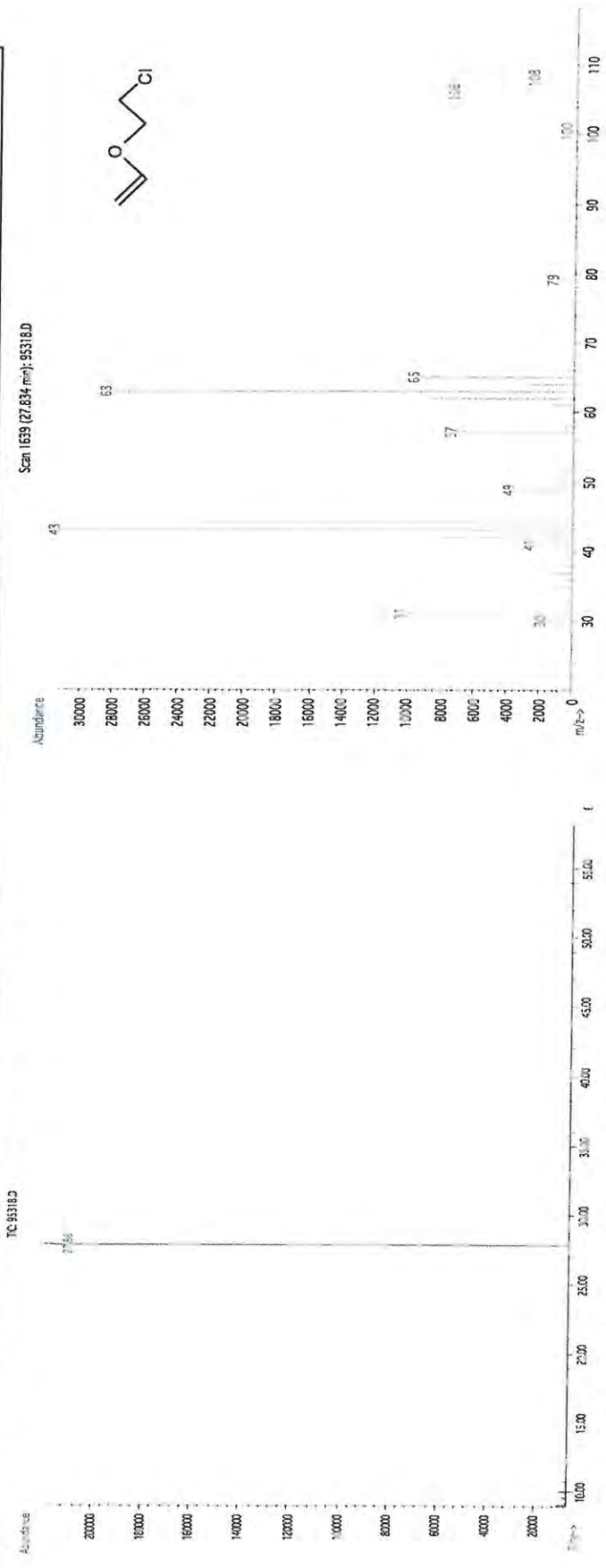
Weight(s) shown below were combined and diluted to (mL): 30.0

Solvent(s): Methanol
Lot#: DU230-US

<i>Eli Aliaga</i>		031419
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		031419
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LDSO
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30284	0.30292	10002.6	40.6	110-75-8	N/A	ort-rat 250mg/kg	

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.

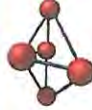


• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).





Analytical Reference Material ARM



CERTIFIED WEIGHT REPORT

Part Number: 95319
Lot Number: 050119
Description: Revised Additions Mix
11 components
050122
Expiration Date: Refrigerate (4 °C)
Recommended Storage: Varied
Nominal Concentration (µg/mL): 6UTB
NIST Test ID#: 5E-05 Balance Uncertainty
0.001 Flask Uncertainty

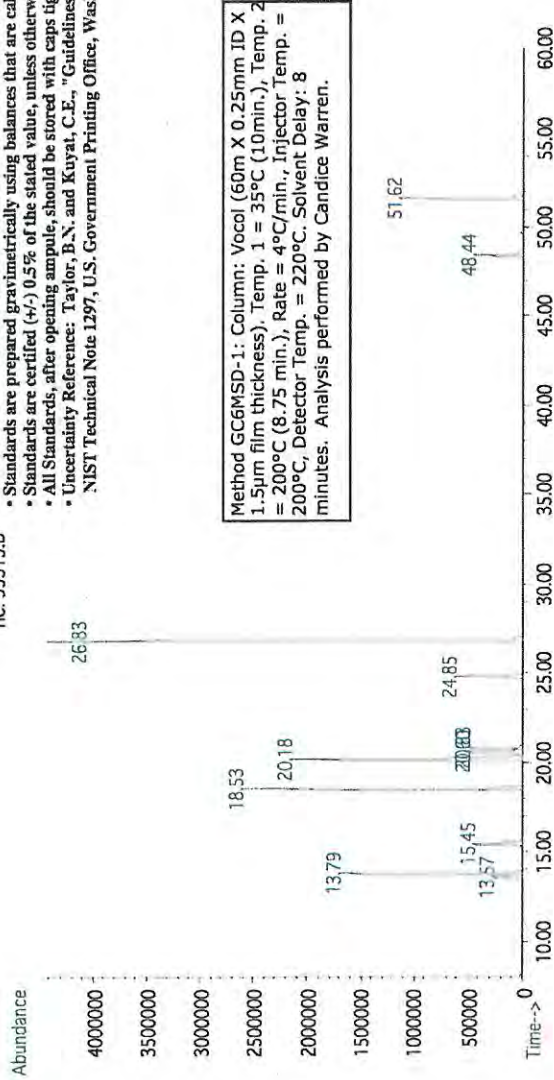
Solvent(s): Lot#
Methanol DU230-US

Formulated By: Justin Dippold	050119
DATE	DATE
Reviewed By: Pedro L. Rentas	050119
DATE	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL) (+/-)	Expanded Uncertainty		OSHA PEL (TWA)	LD50
									(Solvent Safety Info. On Attached pg.)	CAS#		
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01045	10002.4	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20124	2002.1	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20103	0.20118	2001.5	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20222	2001.8	8.1	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04123	40003.8	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20223	2001.9	8.1	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20204	0.20219	2001.5	8.1	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20059	2001.7	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02067	20002.4	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00139	10002.8	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21530	2002.1	8.7	488-23-3	N/A	ori-rat 6408mg/kg

TIC: 95319.D



Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Analytical Reference Material ARM



CERTIFIED WEIGHT REPORT

Part Number: 95319
Lot Number: 050219
Description: Revised Additions Mix
11 components
050222
Refrigerate (4 °C)
Varied
6UTB

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

Solvent(s): Methanol
Lot# DU230-US

Formulated By: Prashant Chauhan
DATE 050219

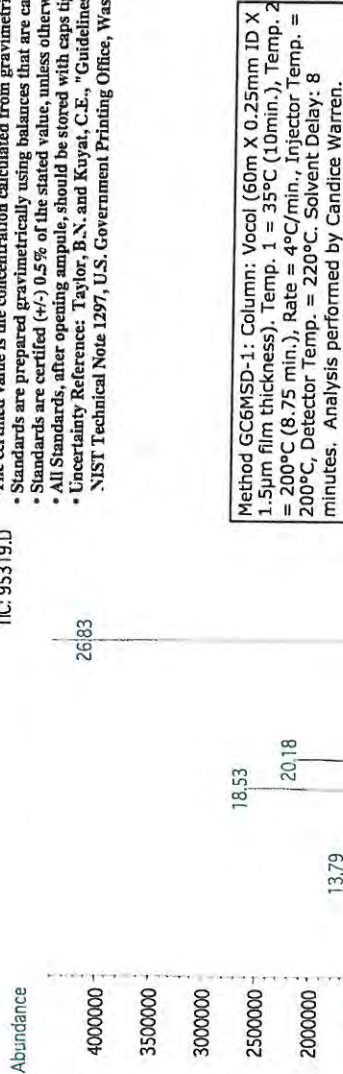
Reviewed By: Pedro L. Rentas
DATE 050219

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01061	10003.9	40.4	107-13-1	N/A
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20120	2001.7	8.1	109-69-3	ori-rat 78 mg/kg ori-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20103	0.20120	2001.7	8.1	110-82-7	300 ppm (1050mg/m3/8H) ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20224	2002.0	8.1	108-20-3	500 ppm (2100mg/m3/8H) ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04110	40002.5	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin) ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20224	2002.0	8.1	67-72-1	1 ppm (10mg/m3/8H)(skin) ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20042	0.20062	2002.0	8.1	1634-04-4	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20062	2002.0	8.1	107-12-0	N/A
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02082	20003.9	80.8	107-12-0	N/A
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00151	10004.0	40.1	109-99-9	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21540	2003.0	8.7	488-23-3	ori-rat 6408mg/kg

TIC: 95319.D



Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Section IX - Physical/Chemical Characteristics

Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product. Eye protection. Personal protective equipment. Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product. Potential for skin absorption, ingestion and inhalation.

Methanol
67-56-1 TWA 200 ppm
TWA 200 ppm

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VII. HANDLING AND STORAGE

Personal precautions: Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Clean up: Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VI. ACCIDENTAL RELEASE MEASURES

Flammability: Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Personal protective equipment for fire: Wear self contained breathing apparatus for fire fighting if necessary.

Section V. FIREFIGHTING MEASURES

General advice: If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. If in case of skin contact: Wash with soap and water. Consult a physician. If in case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Do NOT induce vomiting. Rinse mouth with water. Consult a physician. Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section IV. FIRST AID MEASURES

See Certified Weight Report For Other Analytes Present At Trace Quantities. INTENDED USE: REFERENCE MATERIAL

Components (Specific Chemical Identity; Common Name(s))
Methanol
METHYL ALCOHOL
CAS#: 67-56-1

% (optional)
> 97

Section III - Composition

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water
	Signal Word: DANGER		

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Section II - Hazards Identification

Manufacturer's Name: ABSOLUTE STANDARDS INC
Address: 44 Rossotto Dr, Hamden CT, 06514
Emergency Telephone USA & CANADA: 1-800-535-5053
Emergency Telephone International: 1-352-323-3500
Date Prepared/Revised: May 1, 2018

Section I Product and Company Identification

IDENTITY: ANALYTICAL STANDARD DISSOLVED IN METHANOL

Safety Data Sheet (SDS) GHS/OSHA Compliant

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Section XVI. Misc. INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XV. REGULATORY INFORMATION

DOT (US) IATA
UN number: 1230 Class: 3 Packing group: II UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol Proper shipping name: Methanol

Section XIV. TRANSPORT INFORMATION

Dispose with normal Laboratory Solvent Waste.

Section XIII. DISPOSAL CONSIDERATIONS

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 6400 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XI. TOXICOLOGICAL INFORMATION

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapors may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section X. STABILITY AND REACTIVITY

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		

Phone: 203-281-2917
Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
FAX: 203-281-2922



CERTIFIED WEIGHT REPORT

Part Number: **70046**
 Lot Number: **072618**
 Description: **Bromochloromethane**

Solvent(s): **Methanol**
 Lot# **DS526**

Expiration Date: **072623**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **822-275872-11**

Formulated By: *Eli Allaga* **072618**
 DATE
 Reviewed By: *Pedro L. Rentas* **072618**
 DATE

Weight(s) shown below were combined and diluted to (mL):

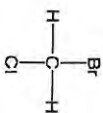
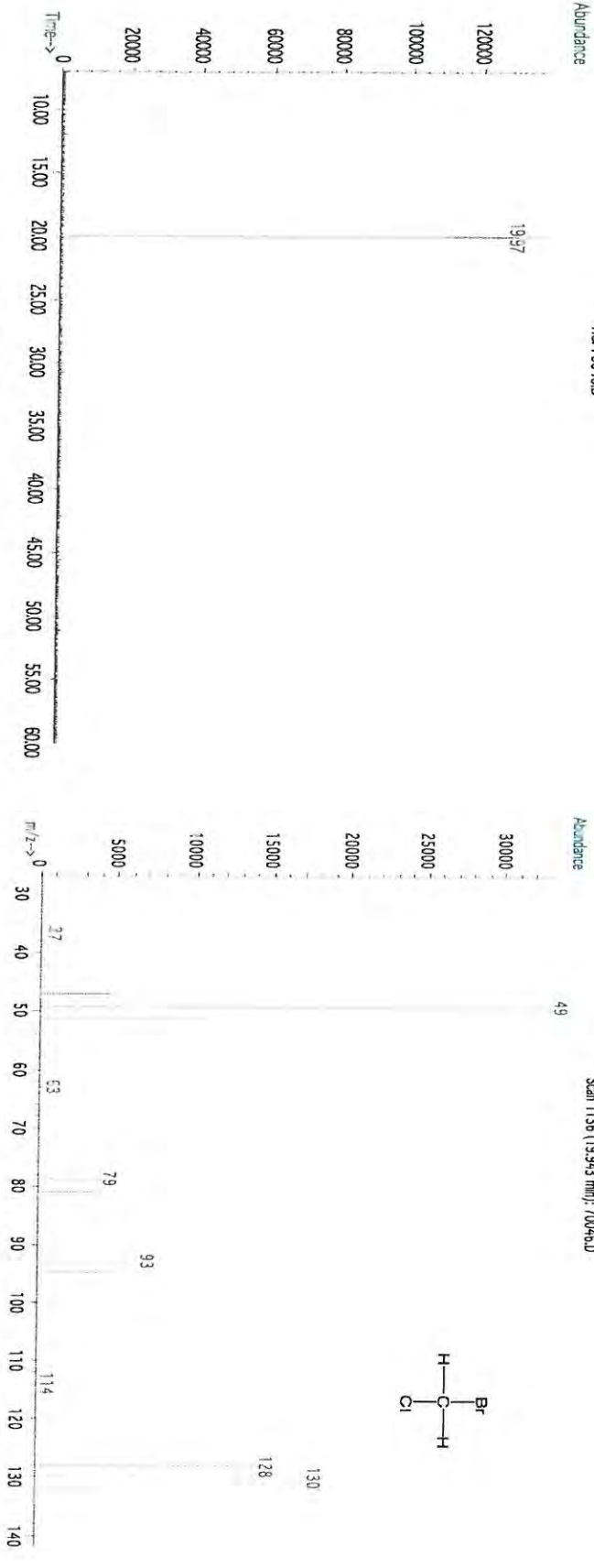
25.0
 0.002
 Balance Uncertainty
 Flask Uncertainty

Compound

RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LDSO
46	AY01	1000	99	0.2	0.02526	0.02540	1005.7	5.7	74-97-5	200 ppm (1050mg/m3/8h)	or-al 5000mg/kg

1. Bromochloromethane

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B = 200°C, Detector B = 220°C. Analysis: Candice Warren



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyal, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 91980
 Lot Number: 111319
 Description: Acrolein

Expiration Date: 121319
 Recommended Storage: Refrigerate (4 °C)
 Recommended Concentration (µg/mL): 5000
 NIST Test ID#: 6UTB

Solvent(s): Water
 Lot# 062419Q

		111319
Formulated By:	Justin Dippold	DATE
		111319
Reviewed By:	Pedro L. Rentas	DATE

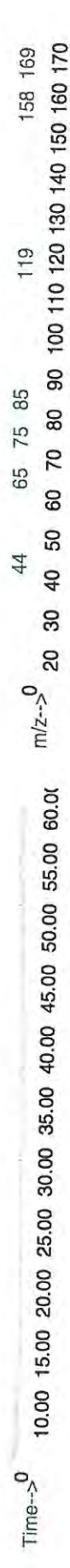
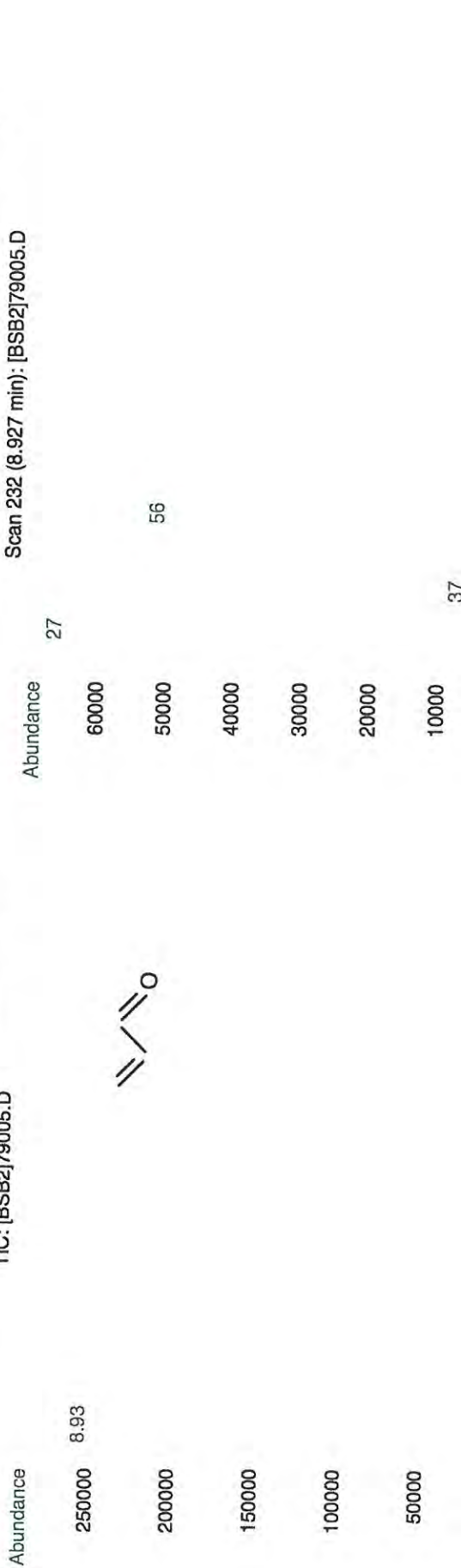
Weight(s) shown below were combined and diluted to (mL): 10.0

5E-05 Balance Uncertainty
 0.007 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL) (+/-)	OSHA PEL (TWA)	LOSO
1. Acrolein	5	04715LL	5000	97	0.2	0.05157	0.05170	5012.9	23.8	107-02-8	0.1 ppm

Method: GC/MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Voccol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C. Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Boiling Point	100°C	Melting Point	1
Vapor Pressure (mm Hg)		Specific Gravity (H ₂ O = 1)	

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Water
 CAS#: 7732-18-5
 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
 Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautions for safe handling
 Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
 Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
 Storage Conditions
 Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VII. HANDLING AND STORAGE

Personal precautions
 Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
 Environmental precautions
 Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
 Clean up
 Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VI. ACCIDENTAL RELEASE MEASURES

Suitable extinguishing media
 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
 Protective equipment for fire
 Wear self contained breathing apparatus for fire fighting if necessary.
 Hazardous Decomposition products
 Carbon oxides

Section V. FIREFIGHTING MEASURES

General advice
 Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
 If inhaled
 If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
 In case of skin contact
 Wash with soap and water. Consult a physician.
 In case of eye contact
 Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
 If swallowed
 Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section IV. FIRST AID MEASURES

INTENDED USE: REFERENCE MATERIAL
See Certified Weight Report For Other Analytes Present At Trace Quantities.

Components (Specific Chemical Identity; Common Name(s))
 Water
 CAS#: 7732-18-5
 % (optional) > 97


Section III - Composition

Section II - Hazards Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER
 Manufacturer's Name ABSOLUTE STANDARDS INC
 Address 44 Rosotto Dr. Hamden CT, 06514
 Emergency Telephone USA & CANADA
 1-800-535-5053
 Emergency Telephone International
 1-352-323-3500
 Date Prepared/Revised
 May 1, 2019

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
 P271 Use in ventilated area
 P302,332 If on skin, wash with soap and water
 H315 Causes skin and eye irritation.
 P280 Use gloves, eye protection/face shield
 P305,351,338 If in eyes, remove contacts, rinse with water

Signal Word: DANGER



Section I Product and Company Identification

Safety Data Sheet (SDS) GHS/OSHA Compliant

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Section XVI. Misc. INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XV. REGULATORY INFORMATION

DOT (US) Not dangerous goods
 Proper shipping name: Water

IATA Not dangerous goods
 Proper shipping name: Water

Section XIV. TRANSPORT INFORMATION

Dispose with normal Laboratory Solvent Waste.

Section XIII. DISPOSAL CONSIDERATIONS

LC50 NA
 EC50 NA

Section XII. ECOLOGICAL INFORMATION

LD50 Oral - Rat NA
 LC50 Inhalation - Rat NA
 LD50 Dermal - Guinea pig NA
 Causes skin irritation.
 Eye irritation

Section XI. TOXICOLOGICAL INFORMATION

Chemical stability Stable under recommended storage conditions.
 Possibility of hazardous reactions NA
 Conditions to avoid NA
 Materials to avoid NA
 Hazardous decomposition products - No data available

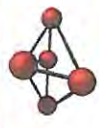
Section X. STABILITY AND REACTIVITY

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Solubility in Water	Completely miscible
Vapor Density (AIR = 1)	NA
Evaporation rate (Butyl Acetate = 1)	NA
0°C	NA



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 111419
Description: Acrolein
 Expiration Date: 121419
 Recommended Storage: Refrigerate (4 °C)
 Nominal Concentration (µg/mL): 5000
 NIST Test ID#: 6UJB
 Weight(s) shown below were combined and diluted to (mL): 20.0

Solvent(s): Water
Lot# 062419Q

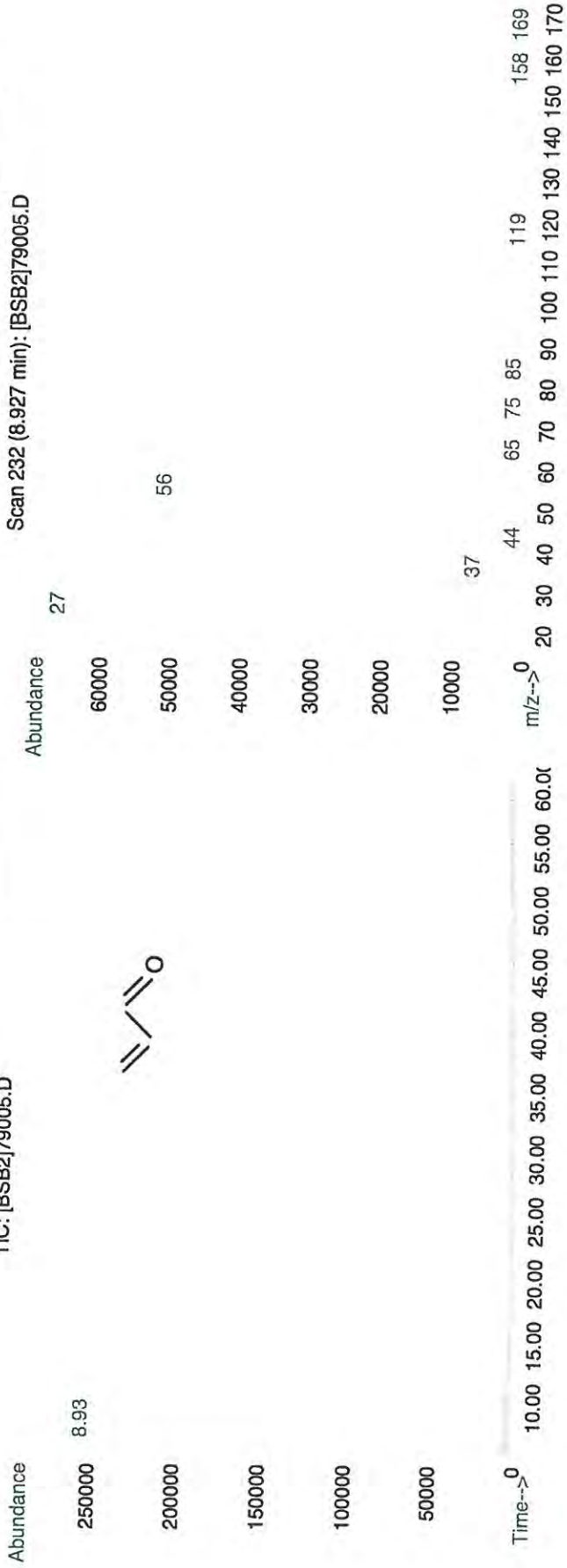
<i>Prashant Chauhan</i>		111419
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		111419
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	CAS#
1. Acrolein	5	07813BN	5000	97	0.2	0.10302	0.10325	5011.3	21.2	107-02-8	0.1 ppm

Method: GC6MSD-1, Detector: Mass Selective Detector (Scan mode). Column: Voccol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 Lot No.: A0140077

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : July 31, 2021 Storage: 10°C or colder

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1,2-Dichloroethane-d4	25,008.0 µg/mL	+/-	231.4287	µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot PR-29377)		+/-	1,413.6866	µg/mL	Unstressed
	Purity 99%		+/-	1,446.2345	µg/mL	Stressed
2	1-Bromo-4-fluorobenzene (BFB)	25,028.0 µg/mL	+/-	231.6138	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/-	1,414.8171	µg/mL	Unstressed
	Purity 99%		+/-	1,447.3911	µg/mL	Stressed
3	Dibromofluoromethane	25,012.0 µg/mL	+/-	231.4658	µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 0012017)		+/-	1,413.9127	µg/mL	Unstressed
	Purity 99%		+/-	1,446.4658	µg/mL	Stressed
4	Toluene-d8	25,040.0 µg/mL	+/-	231.7249	µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-27311)		+/-	1,415.4955	µg/mL	Unstressed
	Purity 99%		+/-	1,448.0851	µg/mL	Stressed



CERTIFIED REFERENCE MATERIAL

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Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 Lot No.: A0141192

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : August 31, 2021 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 98% (Lot SHBJ3142)	50,085.8 µg/mL	+/- 293.2636 µg/mL	Gravimetric	
			+/- 1,072.9051 µg/mL	Unstressed	
			+/- 1,104.0642 µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

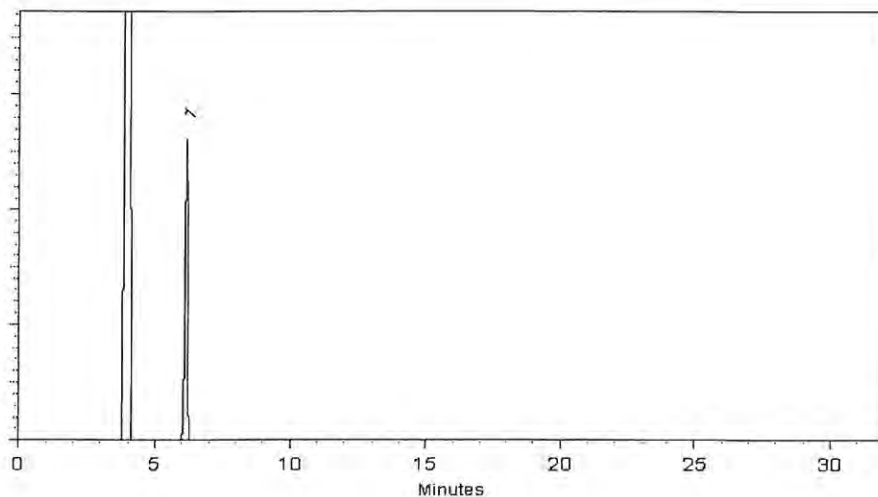
200°C

Det. Temp:

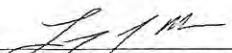
250°C

Det. Type:

FID

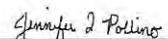


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Larry J. Moore - Mix Technician

Date Mixed: 31-Aug-2018

Balance: 1128342314


Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 05-Sep-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 Lot No.: A0143315
 Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : November 30, 2023 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Bromochloromethane CAS # 74-97-5 Purity 98% (Lot 00008541)	2,003.1 µg/mL	+/- 11.8979 µg/mL Gravimetric +/- 112.3393 µg/mL Unstressed +/- 114.9667 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

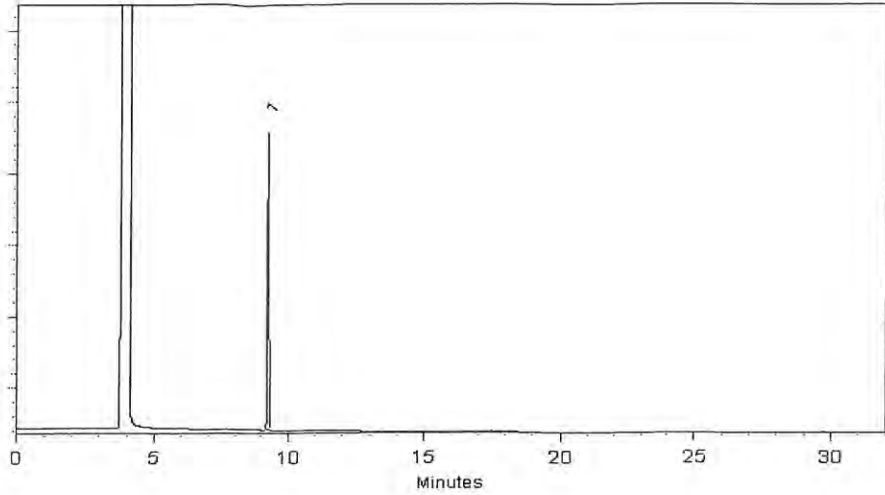
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Nov-2018

Balance: B707717271

Jennifer J. Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 20-Nov-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



Safety Data Sheet

Revision Date: 11/08/18

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30225 / Bromochloromethane Standard
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 12
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Hazardous for the ozone layer
Flammable Liquid Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Causes damage to organs.
Harms public health and the environment by destroying ozone in the upper atmosphere.

GHS Precautions:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.
Refer to manufacturer/supplier for information on recovery/recycling.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	99.8
bromochloromethane	74-97-5	200-826-3	0.2

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States: Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA

Personal Protection:

Engineering Measures:

Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	52
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	0
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract

Chemical Interactions That Change Toxicity: None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity: Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity: Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity: No data.
Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Ingestion: Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.
---------------	---------	-----------

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.

Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3(6.1)
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
bromochloromethane	74-97-5	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 05/24/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 Lot No.: A0146062
 Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : February 28, 2022 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBJ9404)	50,098.0 µg/mL	+/- 293.3348	µg/mL	Gravimetric
			+/- 1,073.1656	µg/mL	Unstressed
			+/- 1,104.3322	µg/mL	Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

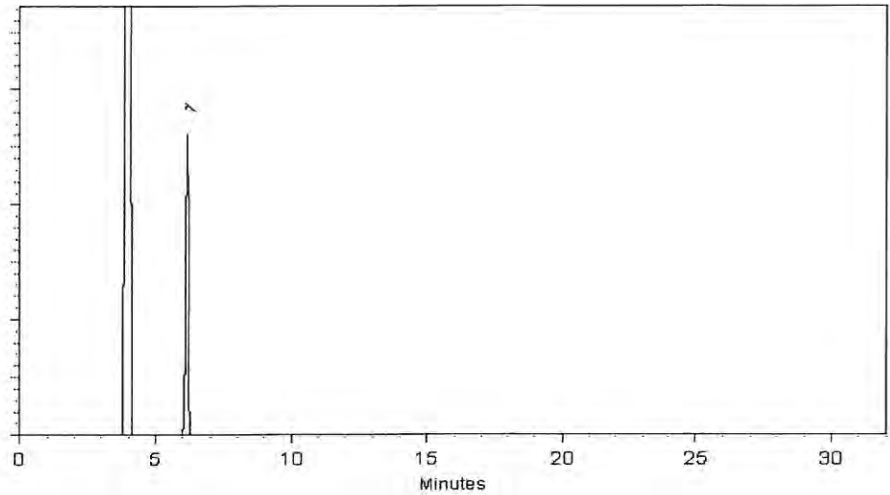
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis
Cathleen Soltis - Mix Technician

Date Mixed: 14-Feb-2019

Balance: B251644995

Justine Albertson
Justine Albertson - Operations Tech-ARM QC

Date Passed: 17-Feb-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 Lot No.: A0147569

Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2022 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Acetone	5,000.5 µg/mL (Lot SHBJ7699)	+/-	29.0733	µg/mL	Gravimetric
	CAS # 67-64-1		+/-	301.7023	µg/mL	Unstressed
	Purity 99%		+/-	302.4186	µg/mL	Stressed
2	2-Butanone (MEK)	5,000.3 µg/mL (Lot SHBJ8761)	+/-	29.0719	µg/mL	Gravimetric
	CAS # 78-93-3		+/-	301.6872	µg/mL	Unstressed
	Purity 99%		+/-	302.4035	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	5,000.3 µg/mL (Lot SHBK5017)	+/-	29.0719	µg/mL	Gravimetric
	CAS # 108-10-1		+/-	301.6872	µg/mL	Unstressed
	Purity 99%		+/-	302.4035	µg/mL	Stressed
4	2-Hexanone	5,000.6 µg/mL (Lot MKCD9048)	+/-	29.0741	µg/mL	Gravimetric
	CAS # 591-78-6		+/-	301.7099	µg/mL	Unstressed
	Purity 99%		+/-	302.4262	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

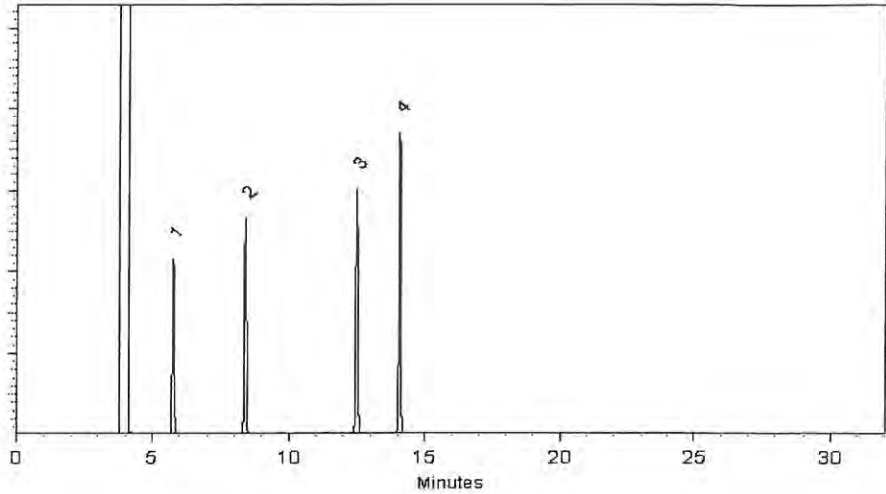
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 28-Mar-2019

Balance: B707717271

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 01-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 Lot No.: A0148931
 Description : 502.2 Calibration Mix #1
 502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : January 31, 2026 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Dichlorodifluoromethane (CFC-12)	2,000.5 µg/mL	+/-	13.6025	µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/-	112.3898	µg/mL	Unstressed
	Purity 99%		+/-	115.0093	µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,000.7 µg/mL	+/-	13.9088	µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBJ6334)		+/-	112.4334	µg/mL	Unstressed
	Purity 99%		+/-	115.0522	µg/mL	Stressed
3	Vinyl chloride	2,000.4 µg/mL	+/-	13.0813	µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00015559)		+/-	112.3179	µg/mL	Unstressed
	Purity 99%		+/-	114.9386	µg/mL	Stressed
4	Bromomethane (methyl bromide)	2,002.2 µg/mL	+/-	13.9072	µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/-	112.5195	µg/mL	Unstressed
	Purity 99%		+/-	115.1404	µg/mL	Stressed
5	Chloroethane (ethyl chloride)	2,001.6 µg/mL	+/-	16.8115	µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/-	112.8794	µg/mL	Unstressed
	Purity 99%		+/-	115.4905	µg/mL	Stressed
6	Trichlorofluoromethane (CFC-11)	2,001.7 µg/mL	+/-	13.7194	µg/mL	Gravimetric
	CAS # 75-69-4 (Lot SHBH4155V)		+/-	112.4699	µg/mL	Unstressed
	Purity 99%		+/-	115.0907	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

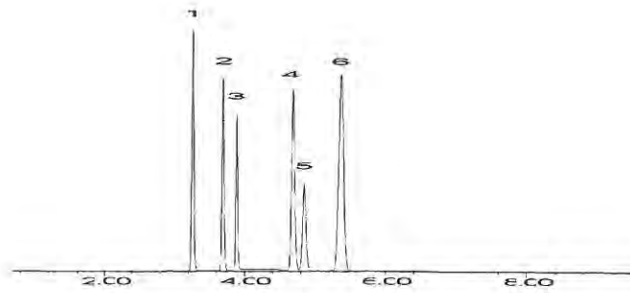
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Joseph Jaglowski
Joseph Jaglowski - Mix Technician

Date Mixed: 08-May-2019

Balance: B251644995

Jennifer Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 24-May-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



Safety Data Sheet

Revision Date: 04/15/19

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2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30042 / 502.2 Calibration Mix #1
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 16
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:



GHS Hazard Symbols:

GHS Classification: Carcinogenicity Category 1A
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Hazardous for the ozone layer
Flammable Liquid Category 2
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed or in contact with skin.
May cause cancer.
Causes damage to organs.
Harms public health and the environment by destroying ozone in the upper atmosphere.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF exposed: Call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.

Call a POISON CENTER or doctor/physician if you feel unwell.
 Specific treatment see section 4.
 Rinse mouth.
 Take off immediately all contaminated clothing and wash it before reuse.
 In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.
 Refer to manufacturer/supplier for information on recovery/recycling.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: Specific target organ toxicity - Repeated exposure - STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (Minimum classification, No information to prove exclusion of certain routes of exposure)

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	98.8
trichlorofluoromethane	75-69-4	200-892-3	0.2
chloroethane	75-00-3	200-830-5	0.2
Vinyl chloride	75-01-4	200-831-0	0.2
methyl bromide	74-83-9	200-813-2	0.2
chloromethane (methyl chloride)	74-87-3	200-817-4	0.2
dichlorodifluoromethane	75-71-8	200-893-9	0.2

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS. No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment

Storage Technical Measures and Conditions: Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition Keep away from heat, sparks, and flame

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
Vinyl chloride	75-01-4	Not established	None Known	(5) ppm TWA; (13) mg/m3 TWA	1 ppm TWA

Personal Protection:

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Respiratory protection will be required when handling this product. Use respirators only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. Conduct air monitoring to determine the effectiveness of ventilation. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color: No data available
Odor: Mild

Physical State:	No data available
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	-13.8 °C (HSDB) 64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	-108
Flammability:	Highly Flammable Extremely Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	100
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.High temperatures
Materials to Avoid / Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs)Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	Contains a probable or known human carcinogen.
Reproductive and Developmental Toxicity:	Contains a known human reproductive and/or developmental hazard.
Inhalation:	Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.Toxic! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs). Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs)
Skin Contact:	Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis. Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage Upon prolonged or repeated

Ingestion:

exposure, no hazard in normal industrial use.
Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:**NIOSH:**

Chemical Name	CAS No.	LD50/LC50
Vinyl chloride	75-01-4	Inhalation LC50 Rat : 18 pph/15M; Oral LD50 Rat : 500 mg/kg
Ethylene, chloro-Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:**OSHA:**

Chemical Name	CAS No.	
Vinyl chloride	75-01-4	Present

ACGIH:

Chemical Name	CAS No.	
Vinyl chloride	75-01-4	A1-confirmed human carcinogen

NIOSH:

Chemical Name	CAS No.	
Vinyl chloride	75-01-4	potential occupational carcinogen

NTP:

Chemical Name	CAS No.	
Vinyl chloride	75-01-4	Known Carcinogen

IARC:

Chemical Name	CAS No.	Group No.
Monograph 100F [2012]; Monograph 97 [2008]; Supplement 7 [1987]; Monograph 19 [1979]	75-01-4	Group 1

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	Biodegrades slowly.
Ecological Toxicity Data:	No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

International:	
IATA Proper Shipping Name:	Flammable liquids, n.o.s. (Methanol)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
methanol	67-56-1	X	X	-	X
Vinyl chloride	75-01-4	X	X	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Chloroethane	75-00-3	Prop 65 Cancer
Vinyl chloride	75-01-4	Prop 65 Cancer
Methyl bromide	74-83-9	Prop 65 Develop Tox
Methyl chloride	74-87-3	Prop 65 Develop Tox
Methanol	67-56-1	Prop 65 Develop Tox
Methyl chloride	74-87-3	Prop 65 Rep Male

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
methanol	67-56-1	X	X	X	X
trichlorofluoromethane	75-69-4	X	X	X	X
chloroethane	75-00-3	X	X	X	X
Vinyl chloride	75-01-4	X	X	X	X
methyl bromide	74-83-9	X	X	X	X
chloromethane (methyl chloride)	74-87-3	X	X	X	X
dichlorodifluoromethane	75-71-8	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 12/05/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 Lot No.: A0149957
 Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
 Container Size : 2 mL Pkg Amt: > 1 mL
 Expiration Date : September 30, 2022 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Acetone	5,000.1 µg/mL (Lot SHBK6362)	+/-	29.0710	µg/mL	Gravimetric
	CAS # 67-64-1		+/-	301.6782	µg/mL	Unstressed
	Purity 99%		+/-	302.3944	µg/mL	Stressed
2	2-Butanone (MEK)	5,000.2 µg/mL (Lot SHBK2537)	+/-	29.0716	µg/mL	Gravimetric
	CAS # 78-93-3		+/-	301.6842	µg/mL	Unstressed
	Purity 99%		+/-	302.4005	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	5,000.3 µg/mL (Lot SHBK5017)	+/-	29.0722	µg/mL	Gravimetric
	CAS # 108-10-1		+/-	301.6903	µg/mL	Unstressed
	Purity 99%		+/-	302.4065	µg/mL	Stressed
4	2-Hexanone	5,000.5 µg/mL (Lot MKBW0198V)	+/-	29.0733	µg/mL	Gravimetric
	CAS # 591-78-6		+/-	301.7023	µg/mL	Unstressed
	Purity 99%		+/-	302.4186	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
 CAS # 67-56-1/7732-18-5
 Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

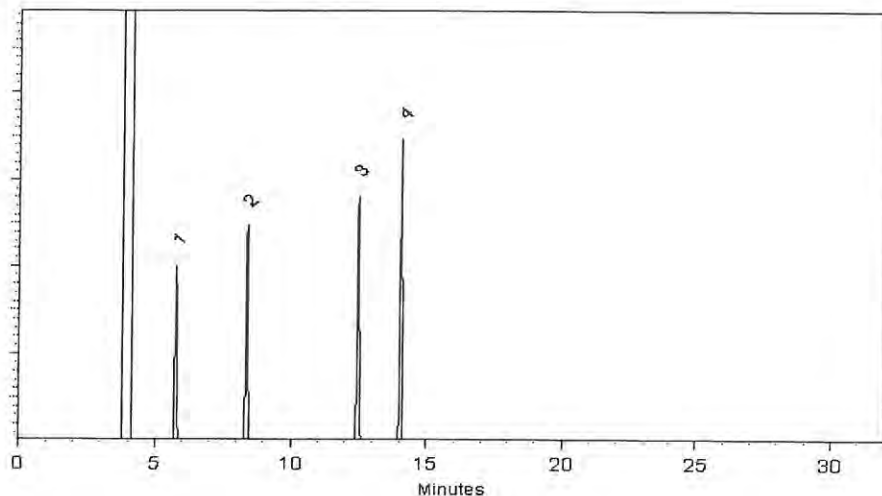
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jessica McClenahan

Jessica McClenahan - Operations Technician I

Date Mixed: 10-Jun-2019

Balance: B251644995

Jennifer J Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 12-Jun-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



Safety Data Sheet

Revision Date: 06/12/19

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30006 / VOA Calibration Mix #1
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 14
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.
Store locked up.

- Disposal:** Dispose of contents/container according to section 13 of the SDS.
- Single Exposure Target Organs:** Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C >= 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % <= C <10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
- Repeated Exposure Target Organs:** Specific target organ toxicity - Repeated exposure - STOT RE 1: H372 Causes damage to organs through prolonged or repeated exposure. (No information to prove exclusion of certain routes of exposure)

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
methanol	67-56-1	200-659-6	88.2
water	7732-18-5	231-791-2	9.8
Acetone	67-64-1	200-662-2	0.5
4-Methyl-2-pentanone	108-10-1	203-550-1	0.5
Methyl ethyl ketone	78-93-3	201-159-0	0.5
2-hexanone	591-78-6	209-731-1	0.5

4. FIRST-AID MEASURES

- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately. Remove to fresh air.
- Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Ingestion:** Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS. No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

- Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.
- Fire and/or Explosion Hazards:** Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.
- Fire Fighting Methods and Protection:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
- Hazardous Combustion Products:** None Known, Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions and Equipment:** Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
- Methods for Clean-up:** Prevent the spread of any spill to minimize harm to human health and the

environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
water	7732-18-5	Not established	None Known	Not established	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. No respiratory protection required under normal conditions of use. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	100 °C Boiling Point 64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	52
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	89.7
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatibility:	None Known
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide None Known

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs)Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	Contains a probable or known human carcinogen.
Reproductive and Developmental Toxicity:	Contains a known human reproductive and/or developmental hazard.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs)
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Water	7732-18-5	Oral LD50 Rat >90 mL/kg
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Methyl ethyl ketone	78-93-3	X	X	X	X
2-hexanone	591-78-6	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 04/11/19

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0150712
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2026 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Dichlorodifluoromethane (CFC-12)	2,001.5 µg/mL	+/-	13.9463	µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/-	112.4873	µg/mL	Unstressed
	Purity 99%		+/-	115.1072	µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,001.9 µg/mL	+/-	13.1161	µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBK6571)		+/-	112.4067	µg/mL	Unstressed
	Purity 99%		+/-	115.0294	µg/mL	Stressed
3	Vinyl chloride	2,003.0 µg/mL	+/-	13.7542	µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00015559)		+/-	112.5439	µg/mL	Unstressed
	Purity 99%		+/-	115.1662	µg/mL	Stressed
4	Bromomethane (methyl bromide)	2,000.4 µg/mL	+/-	15.3501	µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/-	112.6047	µg/mL	Unstressed
	Purity 99%		+/-	115.2189	µg/mL	Stressed
5	Chloroethane (ethyl chloride)	2,000.6 µg/mL	+/-	15.3809	µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/-	112.6239	µg/mL	Unstressed
	Purity 99%		+/-	115.2383	µg/mL	Stressed
6	Trichlorofluoromethane (CFC-11)	2,000.0 µg/mL	+/-	11.6282	µg/mL	Gravimetric
	CAS # 75-69-4 (Lot 8703900)		+/-	112.1380	µg/mL	Unstressed
	Purity 99%		+/-	114.7619	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

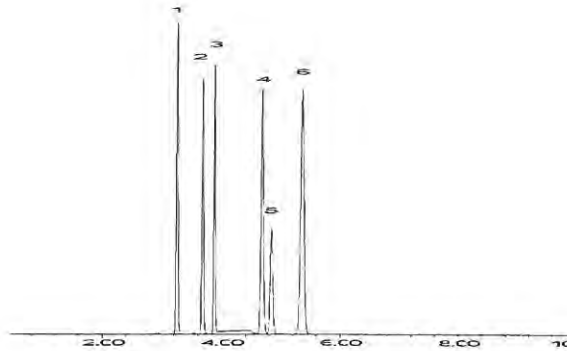
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.


Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

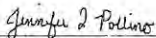


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Joseph Jaglowski - Mix Technician

Date Mixed: 10-Jul-2019

Balance: B707717271


Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 16-Jul-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Tech Tips: Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Vinyl acetate CAS # 108-05-4 Purity 99%	8,030.0 µg/mL (Lot STBD733V)	+/- 47.1245 µg/mL Gravimetric
	P&T Methanol CAS # 67-56-1 Purity 99%		+/- 484.5278 µg/mL Unstressed
			+/- 485.6780 µg/mL Stressed

CERTIFIED VALUES


Catalog No.: 555408-FL
Description: Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size: 2 mL
Pkg Amt: > 1 mL
Expiration Date: December 31, 2019
Storage: 0°C or colder
Handling: This product is photosensitive.

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.
This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

RESTEK CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309
www.restek.com

Certificate of Composition




ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

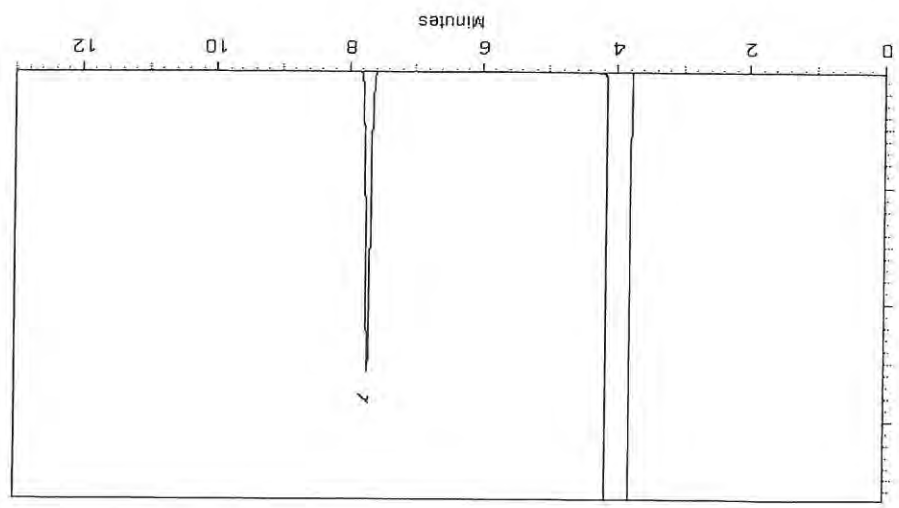
Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



Jennifer J. Pollino
Jennifer Pollino - Operations Tech-ARM QC
Date Passed: 03-Jul-2019

Tom Suckar
Tom Suckar - Mix Technician
Date Mixed: 25-Jun-2019
Balance: B707717271

This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.



Column: 105m x 0.53mm x 3.0µm Rtx-502.2 (cat.#10910)
Carrier Gas: hydrogen-constant pressure 11.0 psi.
Temp. Program: 40°C (hold 2 min.) to 240°C @ 8°C/min. (hold 5 min.)
Inj. Temp: 200°C
Det. Temp: 250°C
Det. Type: FID

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty) and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

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25°C Nominal (Room Temperature)	> 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	> 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	> 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SHIPPING DOCUMENTS

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CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION	
REPORT TO BE SENT TO:					
COMPANY: <u>Day Environmental, Inc.</u>		PROJECT NAME: <u>Andrew St. Site</u>		BILL TO: <u>Day Environmental, Inc.</u> PO#: <u>53345-17</u>	
ADDRESS: <u>1563 Lyell Avenue</u>		PROJECT NO.: <u>53345-17</u> LOCATION: <u>Rochester, NY</u>		ADDRESS: <u>1563 Lyell Avenue</u>	
CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>		PROJECT MANAGER: <u>Jeff Danzinger</u>		CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>	
ATTENTION: <u>Jeff Danzinger</u>		e-mail: <u>jdanzinger@daymail.net</u>		ATTENTION: <u>Jeff Danzinger</u> PHONE: <u>585-454-0210</u>	
PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>		PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>			

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION
FAX: _____ DAYS *	<input type="checkbox"/> LEVEL 1: Results only <input type="checkbox"/> Others _____
HARD COPY: _____ DAYS *	<input type="checkbox"/> LEVEL 2: Results + QC <u>NYDEL ASP Cat B</u>
EDD: <u>15</u> DAYS *	<input type="checkbox"/> LEVEL 3: Results (plus results raw data) + QC
PREAPPROVED TAT: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> LEVEL 4: Results + QC (all raw data)
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS	<input checked="" type="checkbox"/> EDD Format: <u>NYDEL Equip Excel</u>

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS			
			COMP	GRAB	DATE	TIME														
								← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other												
1.	991-MW-01(23)	GW	X		12/20/19	1355	2	X												
2.	992-MW-02(23.8)	GW	X			1345	2	X												
3.	993-MW-03A(17)	GW	X			1348	2	X												
4.	994-MW-05(17)	GW	X			1400	2	X												
5.	995-MW-11(15)	GW	X			1310	2	X												
6.	996-MW-15(17)	GW	X			1329	5	X												Also do MS/MSD
7.	997-MW-16(22.5)	GW	X			1414	5	X												
8.	998-MW-17A(15.5)	GW	X			1421	2	X												
9.	999-MW-18(21.5)	GW	X			1426	2	X												
10.	1000-MW-19(28)	GW	X			1430	2	X												

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>12/20/19/1600</u>	RECEIVED BY: 1. <u>FED-EX</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Cooler Temp. <u>2-3°</u> Ice in Cooler?: <u>Yes</u>
RELINQUISHED BY: 2. <u>FED-EX</u>	DATE/TIME: <u>12/21/19</u>	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY: 3.	DATE/TIME: <u>10:45</u>	RECEIVED FOR LAB BY: 3.	

Page 1 of 2 SHIPPED VIA: CLIENT: HAND DELIVERED OVERNIGHT
 CHEMTECH: PICKED UP OVERNIGHT: Shipment Complete: YES NO



CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number K6405
COC Number 2027381

CLIENT INFORMATION: Report to be sent to: COMPANY: Day Environmental, Inc. ADDRESS: 1563 Lyell Avenue CITY: Rochester STATE: NY ZIP: 14606
PROJECT INFORMATION: PROJECT NAME: Andrews St. Site PROJECT #: 5334 S-17 LOCATION: Rochester, NY PROJECT MANAGER: Jeff Danzinger E-MAIL: jdanzinger@daymail.net PHONE: 585-454-0210
BILLING INFORMATION: BILL TO: Day Environmental, Inc. PO# 5334 S-17 ADDRESS: 1563 Lyell Avenue CITY: Rochester STATE: NY ZIP: 14606 ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION: FAX (RUSH) 5 DAYS* HARD COPY (DATA PACKAGE) 15 DAYS* EDD: 15 DAYS*
DATA DELIVERABLE INFORMATION: Level 1 (Results Only) Level 2 (Results + QC) Level 3 (Results + QC + Raw Data) Level 4 (QC + Full Raw Data) NJ Reduced US EPA CLP NYS ASP A NYS ASP B Other
ANALYSIS: 1-9 columns with handwritten 'TCLVOCs + TCLVOCs + B-160' and '1-9'
PRESERVATIVES: 1-9 columns
COMMENTS: Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER

Table with columns: CHEMTECH SAMPLE ID, PROJECT SAMPLE IDENTIFICATION, SAMPLE MATRIX, SAMPLE TYPE (COMP, GRAB), SAMPLE COLLECTION (DATE, TIME), # of Bottles, A/E, PRESERVATIVES (1-9), COMMENTS. Includes handwritten entries for samples 1 and 2, and a large signature across the bottom.

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY
RELINQUISHED BY SAMPLER: 1. [Signature] DATE/TIME: 12-28-19 RECEIVED BY: 1. FED-EX
RELINQUISHED BY: 2. FED-EX DATE/TIME: 12/21/19 RECEIVED BY: [Signature]
RELINQUISHED BY: 3. DATE/TIME: 10:45 RECEIVED FOR LAB BY:
Conditions of bottles or collars at receipt: [] COMPLIANT [] NON COMPLIANT [] COOLER TEMP
Comments: [Handwritten notes]
Page 2 of 2
CLIENT: [] Hand Delivered [] Other:
CHEMTECH: [] Picked Up
Shipment Complete [] YES [] NO

10/2018 WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

FedEx
TRK# 1007 2560 5346
0221

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO KBCA

07092
NJ-US EWR

Printed on 12/20/19 15:39:43 PPMW2 EXP 10/20



#5186830 12/20 567J2/18DD/05A2

K6405

Reunite

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : K6405 DAYE01	Order Date : 12/23/2019 8:22:00 AM	Project Mgr : Tyler
Client Name : Day Environmental, Inc.	Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger	Receive DateTime : 12/21/2019 10:45:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.	Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger		Date Signoff : 12/23/2019 11:18:57 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
K6405-01	991-MW-01-(23)	Water	12/20/2019	13:55	VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-02	992-MW-02-(23.8)	Water	12/20/2019	13:45	VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-03	993-MW-03A-(17)	Water	12/20/2019	13:48	VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-04	994-MW-05-(17)	Water	12/20/2019	14:00	VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-05	995-MW-11-(15)	Water	12/20/2019	13:10	VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-06	996-MW-15-(17)	Water	12/20/2019	13:29	VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-07	K6405-06MS	Water	12/20/2019	13:29	VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-08	K6405-06MSD	Water	12/20/2019	13:29	VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-09	997-MW-16-(22.5)	Water	12/20/2019	14:14					

Order ID : K6405	DAYE01	Order Date : 12/23/2019 8:22:00 AM	Project Mgr : Tyler
Client Name : Day Environmental, Inc.		Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 12/21/2019 10:45:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger			Date Signoff : 12/23/2019 11:18:57 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-10	998-MW-17A-(15.5)	Water	12/20/2019	14:21					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-11	999-MW-18-(21.5)	Water	12/20/2019	14:26					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-12	1000-MW-19-(28)	Water	12/20/2019	14:30					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-13	1001-FB122019	Water	12/20/2019	13:23					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
K6405-14	1002-TB122019	Water	12/20/2019	00:00					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days

Relinquished By : cl
 Date / Time : 12-23-19 11:30

Received By : [Signature]
 Date / Time : 12-23-19 11:30

Storage Area : VOA Refridgerator Room

APPENDIX J
Data Usability Summary Reports
(Refer to CD)

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Andrew St.
Chemtech SDG#K4888
January 14, 2020
Sampling date: 9/12/2019

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Andrew St.
SDG# K4888

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at Andrew St., Chemtech, SDG#K4888 submitted to Vali-Data of WNY, LLC December 19, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

Sample; 979-S-1-(18-19), was diluted due to high target analyte concentration.
Samples; 979-S-1-(18-19) and 981-S-2-(20), were analyzed at medium level due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

The data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All criteria were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All criteria were met except a TIC was detected in VW0920SBL01. This TIC was not detected in the associated samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except several target analytes were outside QC limits in VW0920SBSD01 but were within limits in VW0920SBS01, so no further action is required.

MS/MSD

No MS/MSD was acquired for these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except the RRF of Trichloroethene was outside ASP QC limits in the initial calibration performed on instrument SVOA_X. ASP allows for up to two target analytes to be outside QC limits without further action.

Alternate forms of regression were used on target analytes in which the %RSD > 15%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the RRF of Trichloroethene was outside ASP QC limits in VX012517.D and VX012545.D. ASP allows for up to two target analytes to be outside QC limits without further action.

Andrew St.
SDG# K4888

GC/MS PERFORMANCE CHECK

All criteria were met.

Andrew St.
SDG# K4888

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Andrew St.
Chemtech SDG#K4939
January 15, 2020
Sampling date: 9/13/2019

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Andrew St.
SDG# K4939

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at Andrew St., Chemtech, SDG#K4939 submitted to Vali-Data of WNY, LLC December 19, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Internal Standards, Surrogate Spike Recoveries, Laboratory Control Samples and MS/MSD.

Sample; 982-S-3-(19), 982-S-3-(19)ME, 984-S-4-(19), 984-S-4-(19)ME, 985-S-5-(19) and 986-B-3-(24), were diluted due to high target analyte concentration.

Samples; 982-S-3-(19), 984-S-4-(19), 985-S-5-(19) and 986-B-3-(24), were analyzed at medium level due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

Andrew St.
SDG# K4939

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

The data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All criteria were met.

INTERNAL STANDARD (IS)

All criteria were met except the area of 1,4-Dichlorobenzene-d₄ was outside QC limits, low in 982-S-3-(19)MS/MSD. Associated target analytes detected in these spikes should be qualified as estimated high.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of 1,2-Dichloroethane-d₄ was outside QC limits, high in 982-S-3-(19)MS/MSD. Associated target analytes detected in these spikes should be qualified as estimated high.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of 1,2-Dibromo-3-chloropropane was outside QC limits, high in VW0920SBS02 and should be qualified as estimated in the associated samples in which it was detected.

MS/MSD

All criteria were met except the %Rec of Bromochloromethane, Tetrachloroethene, 1,1,2,2-Tetrachloroethane and 1,2-Dibromo-3-chloropropane was outside QC limits, high in 982-S-3-(19)MS/MSD. These target analytes should be qualified as estimated high in 982-S-3-(19) and 982-S-3-(19)MS/MSD, if detected.

The %Rec of 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene was outside QC limits, low in 982-S-3-(19)MS/MSD. The RPD of Tetrachloroethene was outside QC limits between 982-S-3-(19)MS and 982-S-3-(19)MSD. These target analytes should be qualified as estimated in 982-S-3-(19) and 982-S-3-(19)MS/MSD.

Tetrachloroethene was detected outside the calibration range and is qualified with an 'E' in 982-S-3-(19)MS/MSD.

Andrew St.
SDG# K4939

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except the RRF of Trichloroethene was outside ASP QC limits in the initial calibration performed on instrument SVOA_N. ASP allows for up to two target analytes to be outside QC limits without further action.

Alternate forms of regression were used on target analytes in which the %RSD > 15%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the RRF of Trichloroethene was outside ASP QC limits in VN058275.D. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Andrew St.
Chemtech SDG#K6405
February 10, 2020
Sampling date: 12/20/2019

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Andrew St.
SDG# K6405

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at Andrew St., Chemtech, SDG#K6405 submitted to Vali-Data of WNY, LLC January 23, 2019. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Compound Quantitation.

Sample; 991-MW-01(23), 993-MW-03A-(17) and 995-MW-11-(15) were diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except the incorrect sample result was recorded on the MS/MSD summary

Andrew St.
SDG# K6405

pages. Updated pages are attached.

The data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All criteria were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met.

COMPOUND QUANTITATION

All criteria were met except Acetone was detected above the reporting limit in 1001-FB122019. This target analyte should be qualified as undetected at the reporting limit in samples in which it was detected above the MDL, but below the reporting limit. This target analyte should be qualified as undetected in samples in which it was detected above the reporting limit but below the blank concentration. This target analyte should be qualified as estimated high in samples in which it was detected above the blank concentration.

A TIC was detected in 1001-FB122019. This TIC was not detected in the other samples, so no further action is required.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

Andrew St.
SDG# K6405



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	K6405-07MS	Client Sample ID :	996-MW-15-(17)MS					Datafile :	VX014255.D			
Dichlorodifluoromethane	50	0	43.3	ug/L	87				47	161		
Chloromethane	50	0	46.8	ug/L	94				53	157		
Vinyl chloride	50	0	47.8	ug/L	96				57	149		
Bromomethane	50	0	44.6	ug/L	89				45	165		
Chloroethane	50	0	49.4	ug/L	99				47	166		
Trichlorofluoromethane	50	0	48.9	ug/L	98				51	165		
1,1,2-Trichlorotrifluoroethane	50	0	47.9	ug/L	96				61	145		
1,1-Dichloroethene	50	0	48.5	ug/L	97				55	148		
Acetone	250	4.00	180	ug/L	70				11	159		
Carbon disulfide	50	0	44.6	ug/L	89				13	149		
Methyl tert-butyl Ether	50	0	51.9	ug/L	104				60	145		
Methyl Acetate	50	0	49.1	ug/L	98				27	167		
Methylene Chloride	50	0	48.1	ug/L	96				56	146		
trans-1,2-Dichloroethene	50	0	48.4	ug/L	97				60	141		
1,1-Dichloroethane	50	0	50.5	ug/L	101				61	144		
Cyclohexane	50	0	49.3	ug/L	99				57	142		
2-Butanone	250	0	230	ug/L	92				42	145		
Carbon Tetrachloride	50	0	49.6	ug/L	99				60	140		
cis-1,2-Dichloroethene	50	0	50.5	ug/L	101				48	156		
Bromochloromethane	50	0	55.8	ug/L	112				59	146		
Chloroform	50	0	52.1	ug/L	104				63	140		
1,1,1-Trichloroethane	50	0	50.5	ug/L	101				65	140		
Methylcyclohexane	50	0	45.0	ug/L	90				62	128		
Benzene	50	0	49.1	ug/L	98				62	134		
1,2-Dichloroethane	50	0	49.5	ug/L	99				67	136		
Trichloroethene	50	0	47.3	ug/L	95				64	131		
1,2-Dichloropropane	50	0	50.5	ug/L	101				69	130		
Bromodichloromethane	50	0	50.3	ug/L	101				66	132		
4-Methyl-2-Pentanone	250	0	260	ug/L	104				57	148		
Toluene	50	0	48.2	ug/L	96				68	129		
t-1,3-Dichloropropene	50	0	50.1	ug/L	100				54	136		
cis-1,3-Dichloropropene	50	0	49.9	ug/L	100				56	133		
1,1,2-Trichloroethane	50	0	49.6	ug/L	99				68	134		
2-Hexanone	250	0	240	ug/L	96				46	158		
Dibromochloromethane	50	0	51.7	ug/L	103				59	136		
1,2-Dibromoethane	50	0	50.5	ug/L	101				65	138		
Tetrachloroethene	50	0.55	45.7	ug/L	90				29	137		
Chlorobenzene	50	0	48.8	ug/L	98				68	126		
Ethyl Benzene	50	0	49.5	ug/L	99				61	131		
m/p-Xylenes	100	0	97.1	ug/L	97				64	125		
o-Xylene	50	0	49.2	ug/L	98				65	126		
Styrene	50	0	49.3	ug/L	99				40	140		
Bromoform	50	0	51.4	ug/L	103				42	134		
Isopropylbenzene	50	0	51.0	ug/L	102				58	132		
1,1,2,2-Tetrachloroethane	50	0	51.3	ug/L	103				61	136		
1,3-Dichlorobenzene	50	0	47.4	ug/L	95				63	125		
1,4-Dichlorobenzene	50	0	46.4	ug/L	93				64	124		



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits	
					Rec	Qual	RPD	Qual	Low	High	RPD
1,2-Dichlorobenzene	50	0	48.0	ug/L	96				64	126	
1,2-Dibromo-3-Chloropropane	50	0	48.2	ug/L	96				57	139	
1,2,4-Trichlorobenzene	50	0	47.3	ug/L	95				57	130	
1,2,3-Trichlorobenzene	50	0	48.8	ug/L	98				57	131	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	K6405-08MSD	Client Sample ID :	996-MW-15-(17)MSD					Datafile :	VX014256.D			
Dichlorodifluoromethane	50	0	43.8	ug/L	88		1		47	161	20	
Chloromethane	50	0	46.8	ug/L	94		0		53	157	20	
Vinyl chloride	50	0	47.3	ug/L	95		1		57	149	20	
Bromomethane	50	0	46.2	ug/L	92		4		45	165	20	
Chloroethane	50	0	49.5	ug/L	99		0		47	166	20	
Trichlorofluoromethane	50	0	48.5	ug/L	97		1		51	165	20	
1,1,2-Trichlorotrifluoroethane	50	0	48.0	ug/L	96		0		61	145	20	
1,1-Dichloroethene	50	0	49.4	ug/L	99		2		55	148	20	
Acetone	250	4.00	170	ug/L	66		6		11	159	20	
Carbon disulfide	50	0	45.1	ug/L	90		1		13	149	20	
Methyl tert-butyl Ether	50	0	52.2	ug/L	104		1		60	145	20	
Methyl Acetate	50	0	49.7	ug/L	99		1		27	167	20	
Methylene Chloride	50	0	48.4	ug/L	97		1		56	146	20	
trans-1,2-Dichloroethene	50	0	48.5	ug/L	97		0		60	141	20	
1,1-Dichloroethane	50	0	50.4	ug/L	101		0		61	144	20	
Cyclohexane	50	0	49.7	ug/L	99		1		57	142	20	
2-Butanone	250	0	240	ug/L	96		4		42	145	20	
Carbon Tetrachloride	50	0	49.9	ug/L	100		1		60	140	20	
cis-1,2-Dichloroethene	50	0	50.4	ug/L	101		0		48	156	20	
Bromochloromethane	50	0	55.6	ug/L	111		0		59	146	20	
Chloroform	50	0	51.3	ug/L	103		2		63	140	20	
1,1,1-Trichloroethane	50	0	50.3	ug/L	101		0		65	140	20	
Methylcyclohexane	50	0	46.1	ug/L	92		2		62	128	20	
Benzene	50	0	48.7	ug/L	97		1		62	134	20	
1,2-Dichloroethane	50	0	49.3	ug/L	99		0		67	136	20	
Trichloroethene	50	0	47.7	ug/L	95		1		64	131	20	
1,2-Dichloropropane	50	0	51.0	ug/L	102		1		69	130	20	
Bromodichloromethane	50	0	50.9	ug/L	102		1		66	132	20	
4-Methyl-2-Pentanone	250	0	260	ug/L	104		0		57	148	20	
Toluene	50	0	48.1	ug/L	96		0		68	129	20	
t-1,3-Dichloropropene	50	0	50.7	ug/L	101		1		54	136	20	
cis-1,3-Dichloropropene	50	0	50.8	ug/L	102		2		56	133	20	
1,1,2-Trichloroethane	50	0	50.0	ug/L	100		1		68	134	20	
2-Hexanone	250	0	240	ug/L	96		0		46	158	20	
Dibromochloromethane	50	0	52.4	ug/L	105		1		59	136	20	
1,2-Dibromoethane	50	0	50.0	ug/L	100		1		65	138	20	
Tetrachloroethene	50	0.55	45.3	ug/L	90		0		29	137	20	
Chlorobenzene	50	0	47.8	ug/L	96		2		68	126	20	
Ethyl Benzene	50	0	49.2	ug/L	98		1		61	131	20	
m/p-Xylenes	100	0	97.7	ug/L	98		1		64	125	20	
o-Xylene	50	0	48.5	ug/L	97		1		65	126	20	
Styrene	50	0	49.4	ug/L	99		0		40	140	20	
Bromoform	50	0	52.3	ug/L	105		2		42	134	20	
Isopropylbenzene	50	0	50.9	ug/L	102		0		58	132	20	
1,1,2,2-Tetrachloroethane	50	0	51.1	ug/L	102		0		61	136	20	
1,3-Dichlorobenzene	50	0	46.9	ug/L	94		1		63	125	20	
1,4-Dichlorobenzene	50	0	46.7	ug/L	93		1		64	124	20	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: K6405

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

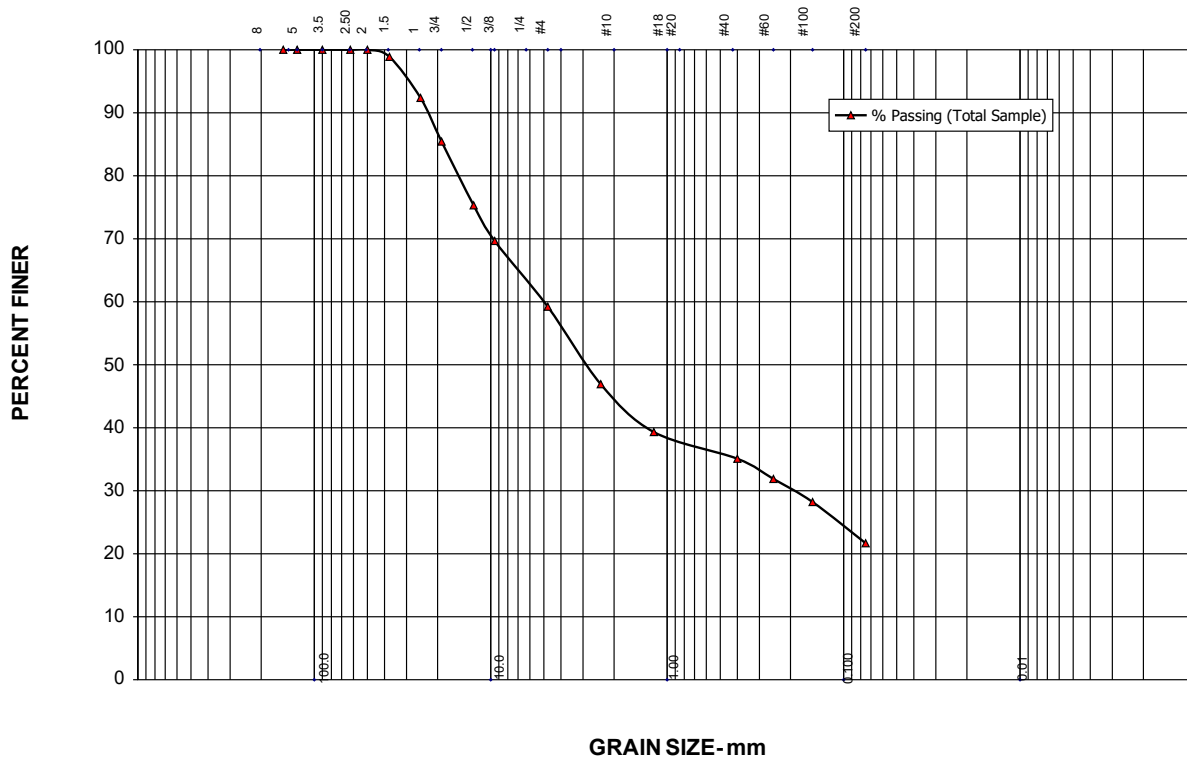
Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
1,2-Dichlorobenzene	50	0	47.5	ug/L	95		1		64	126	20
1,2-Dibromo-3-Chloropropane	50	0	48.1	ug/L	96		0		57	139	20
1,2,4-Trichlorobenzene	50	0	48.0	ug/L	96		1		57	130	20
1,2,3-Trichlorobenzene	50	0	49.5	ug/L	99		1		57	131	20

APPENDIX K

Terracon Reports Related to Compaction Testing

(Refer to CD)

GRAIN SIZE DISTRIBUTION TEST REPORT
ASTM TEST METHODS: C136, C117, D2487




% Cobbles	% Gravel	Coarse	Medium	Fine	% Fines	
0.0	41	32.7	20.2	47.0	Silt (>0.002mm)	Clay (<0.002mm)
		% Sand		38	22	

USCS Classification: **Some gravel, some sand, and little fines**

Sieve Size (mm)	J.S. Sieve Size (in.)	Cumulative Wt. Retained	% Passing (Total Sample)	% Passing (Sand Portion)	Specification Minimum	Specification Maximum
150.0	6"	0.00	100			
125.0	5"	0.00	100			
90.0	3.5"	0.00	100			
62.5	2.5"	0.00	100			
50.0	2"	0.00	100			
37.5	1.5"	270.00	99			
25.0	1"	1845.00	92			
19.0	3/4"	3520.00	85			
12.5	1/2"	5970.00	75			
9.5	3/8"	7335.00	70			
4.75	#4	9860.00	59			
2.38	#8	70.27	47			
1.190	#16	113.69	39			
0.400	#40	137.93	35			
0.250	#60	156.22	32			
0.150	#100	177.17	28			
0.075	#200	214.57	21.7			

Total Dry Wt. 24175 g
 Split Wt. 338.42 g

Project: Andrews Street Environmental Clean Up	Project No.: J5191246	Date: 9/20/2019
City: Rochester, New York	Specification ASTM D422	Report No:
Source: On site	Sampled from: Stockpile	

 <p align="center">15 Marway Circle, Suite 2B Rochester, NY 14624 585-247-3471 http://www.terracon.com/</p>	Remarks:
	Tested By: K. Lemcke Date: 9/20/2019 Reviewed By: D. De Avies Date: 9/21/2019

EARTHWORK OBSERVATION REPORT

Report Number: J5191246.0002
Service Date: 09/20/19
Report Date: 10/01/19

Terracon

15 Marway Cir, Ste 2B
Rochester, NY 14624-2300
585-247-3471

Client

Trec Environmental, Inc.
Attn: Keith Hambley
1018 Washington Street
Spencerport, NY 14559

Project

Andrews Street Environmental Clean Up
300 Andrews Street
Rochester, NY

Project Number: J5191246

Services Requested By: Trec Environmental, Inc.

Observed Location(s): Site Excavation

Fill Type Placed: Common Fill

Proctor No.(s): J5191246.0001B

Fill Description: Some gravel, some sand, and little fines

Source Of Fill: On site - Stockpile

Fill Placement: The fill was observed to be placed in approximately 12-inch thick lifts. Compactive efforts were applied with a vibratory smooth-drum roller. The fill placed appeared firm and stable during the application of compactive efforts.

Field Density Test Results: Field density tests were conducted on the fill placed today utilizing the nuclear method (ASTM D6938). 4 field density tests were performed. The test results met the minimum specified 95% compaction requirement as compared to ASTM D1557. Refer to the attached Field Density Test Summary for individual test data.

Reported To: Steve

Services: Verify use of approved backfill material, proper lift thickness and compactive effort.

Terracon Rep.: Kurt Rogers

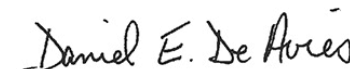
Reported To:

Contractor:

Report Distribution:

(1) Trec Environmental, Inc., Keith Hambley

Reviewed By:



Daniel De Avies

Department Manager I

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TEST REPORT



Report Number: J5191246.0002A

Service Date: 09/20/19

Report Date: 10/01/19

Task:

15 Marway Cir, Ste 2B

Rochester, NY 14624-2300

585-247-3471

Client

Trec Environmental, Inc.
Attn: Keith Hambley
1018 Washington Street
Spencerport, NY 14559

Project

Andrews Street Environmental Clean Up
300 Andrews Street
Rochester, NY

Project Number: J5191246

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data		Project Requirements	
				Optimum Water Content (%)	Max. Lab Density (pcf)	Water Content (%)	Compaction (%)
1	J5191246.0001B	Some gravel, some sand, and little fines	ASTM D1557	5.5	141.1		Min 95

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Density (pcf)	Percent Compaction (%)
Excavation									
1	Center	1	1	6	146.3	8.7	6.3	137.6	98
2	Center	2	1	6	147.4	10.5	7.7	136.9	97
3	Center	3	1	6	148.5	10.4	7.5	138.1	98
4	Center	4	1	6	146.3	10.6	7.8	135.7	96

Datum:

S/N: Make:

Model:

Last Cal. Date:

Comments: Test and/or retest results on this report meet project requirements as noted above.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Terracon Rep.: Kurt Rogers

Reported To:

Contractor:

Report Distribution:

(1) Trec Environmental, Inc., Keith Hambley

Reviewed By:

Daniel De Avies
Department Manager I

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

EARTHWORK OBSERVATION REPORT

Report Number: J5191246.0003A
Service Date: 09/23/19
Report Date: 10/01/19

Terracon

15 Marway Cir, Ste 2B
Rochester, NY 14624-2300
585-247-3471

Client

Trec Environmental, Inc.
Attn: Keith Hambley
1018 Washington Street
Spencerport, NY 14559

Project

Andrews Street Environmental Clean Up
300 Andrews Street
Rochester, NY

Project Number: J5191246

Services Requested By: Trec Environmental, Inc.

Observed Location(s): Site Excavation

Fill Type Placed: Common Fill

Proctor No.(s): J5191246.0001B

Fill Description: Some gravel, some sand, and little fines

Source Of Fill: On site - Stockpile

Fill Placement: The fill was observed to be placed in approximately 12-inch thick lifts. Compactive efforts were applied with a vibratory smooth-drum roller. The fill placed appeared firm and stable during the application of compactive efforts.

Field Density Test Results: Field density tests were conducted on the fill placed today utilizing the nuclear method (ASTM D6938). 2 field density tests were performed. The test results met the minimum specified 95% compaction requirement as compared to ASTM D1557. Refer to the attached Field Density Test Summary for individual test data.

Reported To: Steve

Services: Verify use of approved backfill material, proper lift thickness and compactive effort.

Terracon Rep.: Kurt Rogers

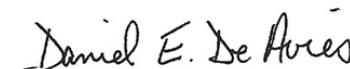
Reported To:

Contractor:

Report Distribution:

(1) Trec Environmental, Inc., Keith Hambley

Reviewed By:



Daniel De Avies

Department Manager I

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

EARTHWORK OBSERVATION REPORT

Report Number: J5191246.0004
Service Date: 09/24/19
Report Date: 10/01/19

Terracon

15 Marway Cir, Ste 2B
Rochester, NY 14624-2300
585-247-3471

Client

Trec Environmental, Inc.
Attn: Keith Hambley
1018 Washington Street
Spencerport, NY 14559

Project

Andrews Street Environmental Clean Up
300 Andrews Street
Rochester, NY

Project Number: J5191246

Services Requested By: Trec Environmental, Inc.

Observed Location(s): Site Excavation

Fill Type Placed: Common Fill

Proctor No.(s): J5191246.0001B

Fill Description: Some gravel, some sand, and little fines

Source Of Fill: On site - Stockpile

Fill Placement: The fill was observed to be placed in approximately 12-inch thick lifts. Compactive efforts were applied with a vibratory smooth-drum roller. The fill placed appeared firm and stable during the application of compactive efforts.

Field Density Test Results: Field density tests were conducted on the fill placed today utilizing the nuclear method (ASTM D6938). 5 field density tests were performed. The test results met the minimum specified 95% compaction requirement as compared to ASTM D1557. Refer to the attached Field Density Test Summary for individual test data.

Reported To: Steve

Services: Verify use of approved backfill material, proper lift thickness and compactive effort.

Terracon Rep.: Kurt Rogers

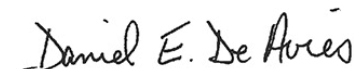
Reported To:

Contractor:

Report Distribution:

(1) Trec Environmental, Inc., Keith Hambley

Reviewed By:



Daniel De Avies

Department Manager I

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TEST REPORT



Report Number: J5191246.0004A

Service Date: 09/24/19

Report Date: 10/01/19

Task:

15 Marway Cir, Ste 2B

Rochester, NY 14624-2300

585-247-3471

Client

Trec Environmental, Inc.
Attn: Keith Hambley
1018 Washington Street
Spencerport, NY 14559

Project

Andrews Street Environmental Clean Up
300 Andrews Street
Rochester, NY

Project Number: J5191246

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data		Project Requirements	
				Optimum Water Content (%)	Max. Lab Density (pcf)	Water Content (%)	Compaction (%)
1	J5191246.0001B	Some gravel, some sand, and little fines	ASTM D1557	5.5	141.1		Min 95

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Density (pcf)	Percent Compaction (%)
Excavation									
1	Center	7	1	6	143.5	6.7	4.9	136.8	97
2	Center	8	1	6	147.4	7.0	5.0	140.4	100
3	Center	9	1	6	143.8	5.1	3.7	138.7	98
4	Center	10	1	6	144.8	6.0	4.3	138.8	98
5	Center	11	1	6	142.4	5.6	4.1	136.8	97

Datum:

S/N: Make: Model: Last Cal. Date:

Comments: Test and/or retest results on this report meet project requirements as noted above.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Terracon Rep.: Kurt Rogers

Reported To:

Contractor:

Report Distribution:

(1) Trec Environmental, Inc., Keith Hambley

Reviewed By:

Daniel De Avies
Department Manager I

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

APPENDIX L

MW-17A Boring Log, Well Construction Diagram and Well Development Log

(Refer to CD)

Project #: 533S-17
 Project Address: 300,304-308,320 Andrews St.
25 Evans St., Rochester, NY
 DAY Representative: C Demain
 Drilling Contractor: Nothnagle Drilling
 Sampling Method: None

Test Boring MW-17A

Ground Elevation: 527.75' Datum: City of Rochester Page 1 of 2
 Date Started: 10/17/2019 Date Ended: 10/17/2019
 Borehole Depth: 25.0' Borehole Diameter: 8"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 11.53' below TOC (12/6/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Advance to 25.0 using 4/25" ID hollow stem augers and auger bit. No sampling	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

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

Test Boring MW-17A

1563 LYLELL AVENUE
 ROCHESTER, NEW YORK 14606
 (585) 454-0210
 FAX (585) 454-0825

420 LEXINGTON AVENUE, SUITE 300
 NEW YORK, NEW YORK 10170
 (212) 986-8645
 FAX (212) 986-8657

Project #: 533S-17
 Project Address: 300,304-308,320 Andrews St.
25 Evans St., Rochester, NY
 DAY Representative: C Demain
 Drilling Contractor: Nothnagle Drilling
 Sampling Method: None

Test Boring MW-17A

Page 2 of 2

Ground Elevation: 527.75' Datum: City of Rochester
 Date Started: 10/17/2019 Date Ended: 10/17/2019
 Borehole Depth: 25.0' Borehole Diameter: 8"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 11.53' below TOC (12/6/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17								Advance to 25.0 using 4/25" ID hollow stem augers and auger bit. No sampling	
18									
19									
20									
21									
22									
23									
24									
25								Boring terminated at 25.0'.	
26									
27									
28									
29									
30									
31									
32									

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

Test Boring MW-17A

1563 LYELL AVENUE
 ROCHESTER, NEW YORK 14606
 (585) 454-0210
 FAX (585) 454-0825

www.davenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
 NEW YORK, NEW YORK 10170
 (212) 986-8645
 FAX (212) 986-8657

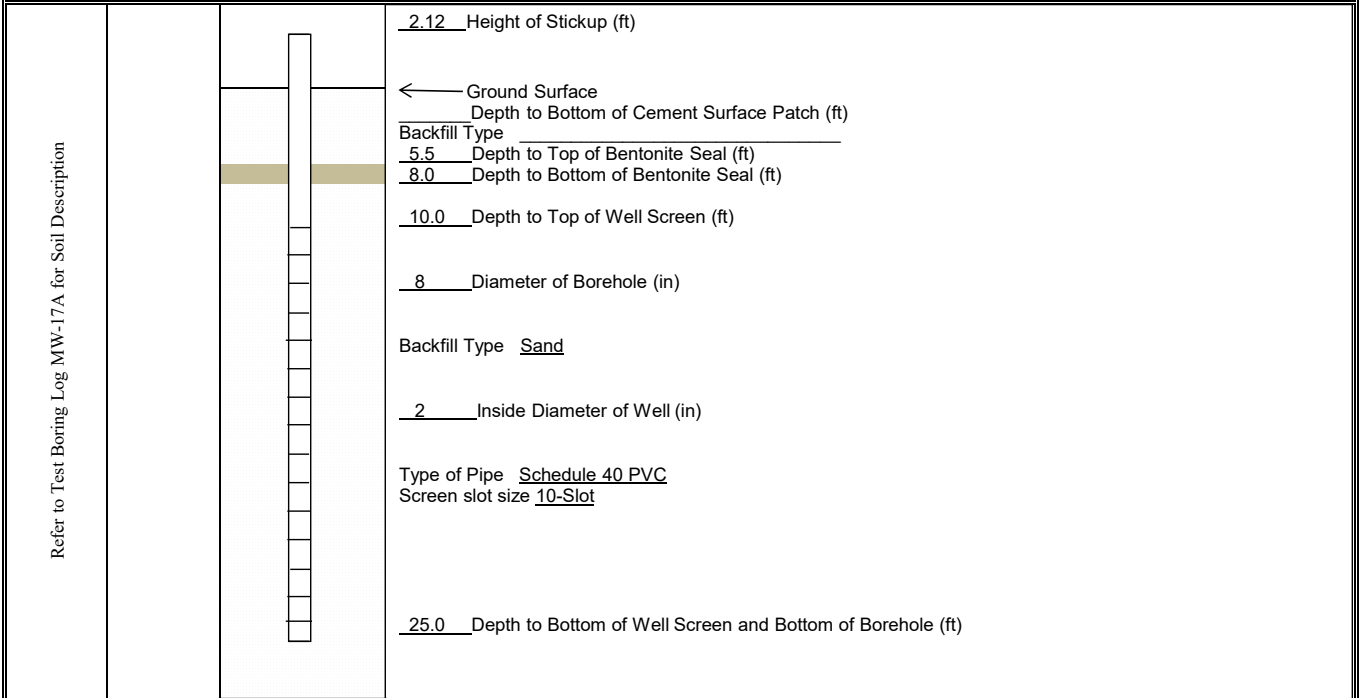


DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	5334S-17	MONITORING WELL MW-17A			
Project Address:	300,304-308,320 Andrews 25 Evans, Rochester, NY				
DAY Representative:	C. Demian	Ground Elevation:	527.75	Datum:	City of Rochester
Drilling Contractor:	Nothnagle Drilling	Date Started:	10/17/2019	Date Ended:	10/17/2019
		Water Level (Date):	11.53' below TOC (12/6/2019)		



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

MONITORING WELL MW-17A

S:\Fieldforms\Monitoring Well Installation Log (revised November 2013)

1563 LYELL AVENUE
 ROCHESTER, NEW YORK 14606
 (585) 454-0210
 FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
 NEW YORK, NEW YORK 10170
 (212) 986-8645
 FAX (212) 986-8657

**WELL DEVELOPMENT DATA
MW-17A**

SITE LOCATION: Andrews St Site, Rochester, NY

JOB#: 5334S-17

DATE/ TIME	10-18-2019 / 09:55	10-18-2019 / 10:05	10-18-2019 / 10:15	10-18-2019 / 10:40	10-18-2019 / 10:47	10-18-2019 / 10:55	10-18-2019 / 11:07	10-18-2019 / 11:15
EVACUATION METHOD	Gas pump and tubing	Gas pump and tubing	Gas pump and tubing	Gas pump and tubing	Gas pump and tubing	Gas pump and tubing	Gas pump and tubing	Gas pump and tubing
PID/FID (PPM)	NC	NC	NC	NC	NC	NC	NC	NC
DEPTH OF WELL FROM TOC (FT)	27.2	NC	NC	NC	NC	NC	NC	27.2
STATIC WATER LEVEL (SWL) FROM TOC (FT)	10.96	NC	NC	NC	NC	NC	NC	10.50
VOLUME EVACUATED (GAL)	0.0	5	5	5	5	5	5	5
TOTAL VOLUME EVACUATED (GAL)	0	5	10	15	20	25	30	35
TEMPERATURE (°C) +/- 10%	13.09	16.68	15.78	17.37	17.48	17.18	16.74	16.97
pH +/- 0.1	6.93	6.84	6.66	6.63	6.64	6.67	6.68	6.68
ORP (mV)	153	142	150	155	140	134	148	143
CONDUCTIVITY (Ms/cm) +/-3 %	4.15	4.19	3.96	4.24	4.07	3.86	4.00	3.61
VISUAL OBSERVATION	very cloudy	very cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy

LEGEND: NC = Not Collected
ND = Not Detected
* = Not Measurable
TOC = Top of Casing

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

APPENDIX M
Waste Disposal Documentation
(Refer to CD)



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310909

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# JT01 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	62140 lb
In	10/09/2019 13:37	A_Scale_1	SD #604682		Tare	27100 lb
Out	10/09/2019 13:37		SD #604682		Net	35040 lb
					Tons	17.52

Comments

Product	LDX	Qty	UDM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	17.52	Tons			MON
2	EVF-P16-Environmen	100		%			MON
3	RCR-P-Regulatory C	100		%			MON
4	LFS4-LANDFILL FIXE	100		%			MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

30 Church St
Rochester, NY 14614

525 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

MJ Dehrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

Non Hazardous Soil

001

DT

20

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Proxite Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

Dennis Peck for City of Rochester

Dennis Peck

10 9 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Delroy Mahoney

Delroy Mahoney

10 7 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

SPAFF

SPAFF

10 7 19



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310878

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# JT01 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest na Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	
In	10/09/2019 11:49	A_Scale_1	SD #604682		Tare	67580 lb
Out	10/09/2019 11:49		SD #604682		Net	27100 lb
					Tons	40480 lb
						20.24

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	20.24	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
 2. Page 1 of
 3. Emergency Response Phone
 4. Waste Tracking Number

5. Generator's Name and Mailing Address
 Generator's Site Address (if different than mailing address)
 585-584-5545

Generator's Phone:
 6. Transporter 1 Company Name
 City of Rochester
 30 Church St
 Rochester, NY 14614
 U.S. EPA ID Number
 320 Andrews Street
 Rochester, NY 14612

7. Transporter 2 Company Name
 U.S. EPA ID Number
 M.J. Dehrer Trucking

8. Designated Facility Name and Site Address
 U.S. EPA ID Number
 Facility's Phone:
 Waste Management High Acres Landfill
 425 Perinton Parkway
 Fairport, NY 14450

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non Hazardous Soil	001	DT	20	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
 Profile Number 110157NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name
 Signature
 Dennis Peck for City of Rochester
 Dennis M Peck
 Month Day Year
 10 9 19

15. International Shipments
 Import to U.S.
 Export from U.S.
 Port of entry/exit:
 Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
 Transporter Signature (for exports only):
 Date leaving U.S.:

16. Transporter 1 Printed/Typed Name
 Signature
 Delroy Mahoney
 Month Day Year
 10 12 19

Transporter 2 Printed/Typed Name
 Signature
 Month Day Year

17. Discrepancy
 17a. Discrepancy Indication Space
 Quantity
 Type
 Residue
 Partial Rejection
 Full Rejection
 Manifest Reference Number:
 U.S. EPA ID Number

17b. Alternate Facility (or Generator)
 U.S. EPA ID Number
 Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
 Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
 Printed/Typed Name
 Signature
 Month Day Year
 10 9 19

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310836

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# JT01 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest na Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	63120 lb
In	10/09/2019 09:55	A_Scale_1	SD #604682		Tare	27100 lb
Out	10/09/2019 09:55		SD #604682		Net	36020 lb
					Tons	18.01

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	18.01	Tons			MON
2	EVF-P16-Environmen	100	%				MON
3	RCR-P-Regulatory C	100	%				MON
4	LFS4-LANDFILL FIXE	100	%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

585-804-9549

Generator's Phone:

City of Rochester
30 Church St
Rochester, NY 14614

6. Transporter 1 Company Name

320 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

WJ Dahner Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1.

Non Hazardous Soil

001

DT

20

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

Dennis Park for City of Rochester

Dennis M Park

10 9 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Delroy Mahoney

[Signature]

10 9 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

[Signature]

10 9 19

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310810

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# JT01 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	64120 lb
In	10/09/2019 08:21	A_Scale_1	SD #604682		Tare	27100 lb
Out	10/09/2019 08:21		SD #604682		Net	37020 lb
					Tons	18.51

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	18.51	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)

585-584-5536

Generator's Phone: City of Rochester

6. Transporter 1 Company Name: 30 Church St
Rochester, NY 14614

520 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name: WJ Dehrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone: Waste Management High Area Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No. Type

1.

Non Hazardous Soil

001

DT

20

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197M

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

Dennis Peck for City of Rochester

Dennis M Peck

10 9 19

15. International Shipments Import to U.S. Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

DeLoymahoney

[Signature]

10 7 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

11/09/10



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310907

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier CCT CCT TRUCKING
 Ticket Date 10/09/2019 Vehicle# CC32 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	68660 lb
In	10/09/2019 13:32	A_Scale_1	SD #604682		Tare	29300 lb
Out	10/09/2019 13:32		SD #604682		Net	39360 lb
					Tons	19.68

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	19.68	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

535-594-5945

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

30 Church St
Rochester, NY 14614

520 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

W. Dehner Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

Non Hazardous Soil

001

DT

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2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

Dennis Peck For City of Rochester

Dennis M Peck

10 29 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Don Merriam

Don

10 9 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Scott S

[Signature]

11 04 19



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310883

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier CCT CCT TRUCKING
 Ticket Date 10/09/2019 Vehicle# CC32 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest na Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	72200 lb
In	10/09/2019 12:03	A_Scale_1	SD #604682		Tare	29300 lb
Out	10/09/2019 12:03		SD #604682		Net	42900 lb
					Tons	21.45

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCB-Tons	100	21.45	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)		
Generator's Phone: City of Rochester		985-594-9545		
6. Transporter 1 Company Name	30 Church St Rochester, NY 14614	526 Andrews Street Rochester, NY 14612	U.S. EPA ID Number	
7. Transporter 2 Company Name	MJ Center Trucking			U.S. EPA ID Number
8. Designated Facility Name and Site Address	Waste Management High Acres Landfill 425 Perinton Parkway Fairport, NY 14455			U.S. EPA ID Number
9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non Hazardous Soil	201	DT	20	Y
2.				
3.				
4.				
13. Special Handling Instructions and Additional Information				
Profile Number 110157NY				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
Generator's/Offoror's Printed/Typed Name		Signature	Month	Day
Dennis Peck for City of Rochester		Dennis Peck	10	9
Year				
15. International Shipments		Port of entry/exit:		
<input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.		
Transporter Signature (for exports only):		Date leaving U.S.:		
16. Transporter Acknowledgment of Receipt of Materials				
Transporter 1 Printed/Typed Name		Signature	Month	Day
Don Merriam		Don	10	9
Transporter 2 Printed/Typed Name		Signature	Month	Day
17. Discrepancy				
17a. Discrepancy Indication Space				
<input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
Manifest Reference Number:			U.S. EPA ID Number	
17b. Alternate Facility (or Generator)				
Facility's Phone:				
17c. Signature of Alternate Facility (or Generator)			Month	Day
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a				
Printed/Typed Name		Signature	Month	Day
Duff		Duff	10	9



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310840

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier CCT CCT TRUCKING
 Ticket Date 10/09/2019 Vehicle# CC32 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest na Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	70420 lb
In 10/09/2019 10:11	A_Scale_1	SD #604682		Tare	29300 lb
Out 10/09/2019 10:11		SD #604682		Net	41120 lb
				Tons	20.56

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	20.56	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)

585-594-5520

Generator's Phone: City of Rochester
30 Church St
Rochester, NY 14614

320 Adams Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name
MI Dehrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone: Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

Non Hazardous Soil

001

DT

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2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

Dennis Peck for City of Rochester

Dennis M Peck

10 9 19

15. International Shipments Import to U.S. Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Donald Merriam

[Signature]

10 9 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

SDuffy

[Signature]

10 9 19



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310814

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier CCT CCT TRUCKING
 Ticket Date 10/09/2019 Vehicle# CC32 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	63020 lb
In 10/09/2019 08:36 A_Scale_1	SD #604682			Tare	29300 lb
Out 10/09/2019 08:59 B_Scale_2	SD #604682			Net	33720 lb
				Tons	16.86

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	16.86	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees

Total Ticket

Driver's Signature _____



032

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

585-594-5545

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

30 Church St

Rochester, NY 14614

320 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

MJ Dehrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
425 Pennton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

Non Hazardous Soil

001

DT

20

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197101

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

Dennis Beck for City of Rochester

Dennis M Beck

10 9 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Donald Merriam

[Signature]

10 9 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

10 9 19

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310898

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# vv07 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	70380 lb
In	10/09/2019 12:52	A_Scale_1	SD #604682		Tare	26600 lb
Out	10/09/2019 12:52		SD #604682		Net	43780 lb
					Tons	21.89

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	21.89	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



VV07

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)

555-594-3635

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

30 Church St
Rochester, NY 14614

530 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

MJ Dohrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No. Type

1.

Non Hazardous Sol

001

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2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

Dennis Peck for City of Rochester

Dennis M Peck

10 9 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

SDuffly

[Signature]

10 9 19



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310865

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# vv07 Volume
 Payment Type Credit Account Container
 Manual (10/09/19) Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest na Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	71660 lb
In	10/09/2019 11:16	A_Scale_1	SD #604682		Tare	26600 lb
Out	10/09/2019 11:16		SD #604682		Net	45060 lb
					Tons	22.53

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	22.53	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

555-594-5545

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

30 Church St
Rochester, NY 14614

520 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

MJ Dehrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
425 Pennton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1.

Non Hazardous Soil

001

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4.

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Month Day Year

Dennis Peck For City of Rochester

Dennis Peck

10 9 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Eric Stewart

[Signature]

10 6 10

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

SDUFG

[Signature]

10 9 19



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310801

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# VV07 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	74520 lb
In 10/09/2019 08:00	A_Scale_1	SD #604682		Tare	26860 lb
Out 10/09/2019 08:23	B_Scale_2	SD #604682		Net	47660 lb
				Tons	23.83

Comments

Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	23.83	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
 2. Page 1 of
 3. Emergency Response Phone
 4. Waste Tracking Number

5. Generator's Name and Mailing Address
 Generator's Site Address (if different than mailing address)
 585-594-5545

Generator's Phone: City of Rochester
 30 Church St
 6. Transporter 1 Company Name Rochester, NY 14614
 320 Andrews Street
 Rochester, NY 14612
 U.S. EPA ID Number

7. Transporter 2 Company Name
 MJ Decker Trucking
 U.S. EPA ID Number

8. Designated Facility Name and Site Address
 U.S. EPA ID Number
 Waste Management High Acres Landfill
 425 Perinton Parkway
 Fairport, NY 14450
 Facility's Phone:

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non Hazardous Soil	20	DT	20	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
 Profile Number 110187NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offerer's Printed/Typed Name: Dennis M Peck on behalf of City of Rochester
 Signature: Dennis M Peck
 Month Day Year: 10 | 9 | 19

15. International Shipments Import to U.S. Export from U.S.
 Port of entry/exit:
 Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
 Transporter Signature (for exports only):
 Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: Peter Stewart
 Signature: [Signature]
 Month Day Year: 10 | 9 | 19
 Transporter 2 Printed/Typed Name:
 Signature:
 Month Day Year:

17. Discrepancy
 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
 Manifest Reference Number:
 U.S. EPA ID Number

17b. Alternate Facility (or Generator)
 U.S. EPA ID Number
 Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
 Month Day Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
 Printed/Typed Name: [Signature]
 Signature: [Signature]
 Month Day Year: 10 | 9 | 19

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY



Waste Management High Acres LE
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Reprint
 Ticket# 1310933

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# vv07 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	69280 lb
In	10/09/2019 14:31	A_Scale_1	SD #604682		Tare	26600 lb
Out	10/09/2019 14:31		SD #604682		Net	42680 lb
					Tons	21.34

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	21.34	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

585-594-5545

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

20 Church St
Rochester, NY 14613

320 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

MJ Dehrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Waste Management High Acres Landfill
426 Perinton Parkway
Fairport, NY 14450

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

Non Hazardous Soil

1001

DT

20

2.

3.

4.

13. Special Handling Instructions and Additional Information

Phone Number 110137NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310833

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# vv07 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest na Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	75720 lb
In 10/09/2019 09:40 A_Scale_1	SD #604682			Tare	26600 lb
Out 10/09/2019 10:04 B_Scale_2	SD #604682			Net	49120 lb
				Tons	24.56

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCB-Tons	100	24.56	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



VV 07

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)

585-594-5545

Generator's Phone: City of Rochester

6. Transporter 1 Company Name 30 Church St
Rochester, NY 14614 520 Andrews Street
Rochester, NY 14612 U.S. EPA ID Number

7. Transporter 2 Company Name U.S. EPA ID Number
M. Dehrer Trucking

8. Designated Facility Name and Site Address U.S. EPA ID Number

Facility's Phone: Waste Management High Acres Landfill
425 Parinton Parkway
Fairport, NY 14456

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. Non Hazardous Soil	001	DT	20	Y	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name Signature Month Day Year
Dennis Peck for City of Rochester Dennis M Peck 10 9 19

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name Signature Month Day Year
Peter Stewart [Signature] 10 9 19
Transporter 2 Printed/Typed Name Signature Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number

Facility's Phone: 17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name Signature Month Day Year

GENERATOR
INTL
TRANSPORTER
DESIGNATED FACILITY



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310914

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# MJD17 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	77720 lb
In 10/09/2019 13:53	A_Scale_1	SD #604682		Tare	29980 lb
Out 10/09/2019 13:53		SD #604682		Net	47740 lb
				Tons	23.87

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	23.87	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
Generator's Site Address (if different than mailing address)

585-594-5545

Generator's Phone:
6. Transporter 1 Company Name
7. Transporter 2 Company Name
U.S. EPA ID Number

City of Rochester

30 Church St
Rochester, NY 14614

320 Andrews Street
Rochester, NY 14612

MJ Dehner Trucking

8. Designated Facility Name and Site Address
U.S. EPA ID Number

Waste Management High Acres Landfill

425 Pennton Parkway
Fairport, NY 14450

Facility's Phone:

9. Waste Shipping Name and Description
10. Containers
11. Total Quantity
12. Unit Wt./Vol.

No. Type

1.	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
Non Hazardous Soil	20	DT	20	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name
Signature
Month Day Year

Dennis M. Peck for City of Rochester

Signature

10 9 19

15. International Shipments
 Import to U.S.
 Export from U.S.
Port of entry/exit:
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter Signature (for exports only):
Date leaving U.S.:

Transporter 1 Printed/Typed Name
Signature
Month Day Year

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space
 Quantity
 Type
 Residue
 Partial Rejection
 Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

Signature

10 9 19

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310884

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# MJD17 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest na Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	77880 lb
In	10/09/2019 12:11	A_Scale_1	SD #604682		Tare	29980 lb
Out	10/09/2019 12:11		SD #604682		Net	47900 lb
					Tons	23.95

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	23.95	Tons				MON
2 EVF-P16-Environmen	100		%				
3 RCR-P-Regulatory C	100		%				
4 LFS4-LANDFILL FIXE	100		%				

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
Generator's Site Address (if different than mailing address)
585-594-5543

Generator's Phone: City of Rochester
6. Transporter 1 Company Name: 30 Church St, Rochester, NY 14614
320 Andrews Street, Rochester, NY 14612
U.S. EPA ID Number

7. Transporter 2 Company Name: M J Dahler Trucking
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
U.S. EPA ID Number
Facility's Phone:

9. Waste Shipment Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non Hazardous Soil	001	DT	20	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offero's Printed/Typed Name: DENNIS PECK for City of Rochester
Signature: Dennis M Peck
Month: 10, Day: 9, Year: 19

15. International Shipments
 Import to U.S. Export from U.S.
Port of entry/exit:
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter Signature (for exports only):
Transporter 1 Printed/Typed Name: GARY ROWLEY
Signature: Gary Rowley
Month: 10, Day: 7, Year: 19
Transporter 2 Printed/Typed Name:
Signature:
Month: , Day: , Year:

17. Discrepancy
17a. Discrepancy Indication Space
 Quantity Type Residue Partial Rejection Full Rejection
Manifest Reference Number:
U.S. EPA ID Number:

17b. Alternate Facility (or Generator)
Facility's Phone:
U.S. EPA ID Number:

17c. Signature of Alternate Facility (or Generator)
Month: , Day: , Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Duffy
Signature: [Signature]
Month: 10, Day: 9, Year: 19

GENERATOR
TRANSPORTER INT'L
TRANSPORTER
DESIGNATED FACILITY



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310835

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# MJD17 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest na Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	71480 lb
In	10/09/2019 09:49	A_Scale_1	SD #604682		Tare	29980 lb
Out	10/09/2019 09:49		SD #604682		Net	41500 lb
					Tons	20.75

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	20.75	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
Generator's Site Address (if different than mailing address)
585-594-5545

Generator's Phone: City of Rochester
30 Church St

6. Transporter 1 Company Name: Rochester, NY 14614
310 Andrews Street
Rochester, NY 14612
U.S. EPA ID Number

7. Transporter 2 Company Name: MJ Dehrer Trucking
U.S. EPA ID Number

8. Designated Facility Name and Site Address
U.S. EPA ID Number

Facility's Phone: Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non Hazardous Soil	001	DT	20	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Dennis Peck for City of Rochester
Signature: Dennis M Peck
Month: 10 Day: 9 Year: 19

15. International Shipments
 Import to U.S. Export from U.S.
Port of entry/exit:
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY ROWLEY
Signature: Gary Rowley
Month: 10 Day: 9 Year: 19

17. Discrepancy
17a. Discrepancy Indication Space
 Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number:
U.S. EPA ID Number

17b. Alternate Facility (or Generator)
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [Signature]
Signature: [Signature]
Month: 10 Day: 9 Year: 19

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY



High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310806

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/09/2019 Vehicle# MJD17 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	72500 lb
In 10/09/2019 08:12 A_Scale_1	SD #604682			Tare	29980 lb
Out 10/09/2019 08:27 B_Scale_2	SD #604682			Net	42520 lb
				Tons	21.26

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	21.26	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



M 50 17

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
Generator's Site Address (if different than mailing address)
585-994-8545

Generator's Phone: City of Rochester
6. Transporter 1 Company Name: 30 Church St, Rochester, NY 14614
520 Andrews Street, Rochester, NY 14612
U.S. EPA ID Number

7. Transporter 2 Company Name: M. Dehrer Trucking
U.S. EPA ID Number

8. Designated Facility Name and Site Address
U.S. EPA ID Number
Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
Facility's Phone:

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. Non hazardous soil	001	DT	20	Y	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Profile Number 110197114

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeor's Printed/Typed Name: Dennis Peck for City of Rochester
Signature: Dennis M Peck
Month: 10, Day: 9, Year: 19

15. International Shipments
 Import to U.S. Export from U.S.
Port of entry/exit:
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: GARY ROWLEY
Signature: Gary Rowley
Month: 10, Day: 9, Year: 19
Transporter 2 Printed/Typed Name:
Signature:
Month: , Day: , Year:

17. Discrepancy
17a. Discrepancy Indication Space
 Quantity Type Residue Partial Rejection Full Rejection
Manifest Reference Number:
U.S. EPA ID Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: , Day: , Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: SDH
Signature: [Signature]
Month: 11, Day: 9, Year: 10

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310992

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier CCT CCT TRUCKING
 Ticket Date 10/10/2019 Vehicle# CC32 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	63700 lb
In	10/10/2019 08:41	A_Scale_1	SD #604682		Tare	29300 lb
Out	10/10/2019 08:41		SD #604682		Net	34400 lb
					Tons	17.20

Comments

Product	LDX	Qty	UDM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	17.20	Tons			MON
2	EVF-P16-Environmen	100	%				MON
3	RCR-P-Regulatory C	100	%				MON
4	LFS4-LANDFILL FIXE	100	%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

585-594-6545

Generator's Phone:

City of Rochester
30 Church St
Rochester, NY 14614

6. Transporter 1 Company Name

500 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

MJ Dehner Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

Non Hazardous Soil

001

DT

30

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

Dennis Peck for City of Rochester

Dennis M Peck

10 10 19

15. International Shipments

Import to U.S.

Export from U.S. ;

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Pon Merriam

[Signature]

10 10 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

[Signature]

10 10 19

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1311002

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier LHL Light House Lake
 Ticket Date 10/10/2019 Vehicle# LL8 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	66280 lb
In 10/10/2019 09:10	A_Scale_1	SD #604682		Tare	29540 lb
Out 10/10/2019 09:10		SD #604682		Net	36740 lb
				Tons	18.37

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	18.37	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

585-594-5545

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

30 Church St
Rochester, NY 14614

520 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

M.J. Dehrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
425 Perinton Parkway
Perinton, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

Non Hazardous Soil

001

DT

20

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110 187117

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Month Day Year

DENNIS PECK for City of Rochester

Dennis Peck

10 10 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Cory Werner

Cory Werner

10 10 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

10 10 19

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1310995

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/10/2019 Vehicle# JT01 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	56440 lb
In	10/10/2019 08:46	A_Scale_1	SD #604682		Tare	27100 lb
Out	10/10/2019 08:46		SD #604682		Net	29340 lb
					Tons	14.67

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	14.67	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)

585-583-5545

Generator's Phone: City of Rochester
30 Church St

6. Transporter 1 Company Name 320 Andrews Street
Rochester, NY 14612 U.S. EPA ID Number

7. Transporter 2 Company Name U.S. EPA ID Number
M.J. Cahner Trucking

8. Designated Facility Name and Site Address U.S. EPA ID Number

Facility's Phone: Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

Non Hazardous Soil

001

DT

20

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 11G197WY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name Signature Month Day Year
Dennis Beck for City of Rochester Dennis M. Beck 10 10 19

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name Signature Month Day Year
Delroy Mahoney [Signature] 10 10 19
Transporter 2 Printed/Typed Name Signature Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number

Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name Signature Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1311016

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier CCT CCT TRUCKING
 Ticket Date 10/10/2019 Vehicle# CC32 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	65080 lb
In 10/10/2019 10:09	B_Scale_1	SD #604682		Tare	29300 lb
Out 10/10/2019 10:09		SD #604682		Net	35780 lb
				Tons	17.89

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	17.89	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)

585-594-5545

Generator's Phone: City of Rochester
30 Church St

6. Transporter 1 Company Name: Rochester, NY 14614 U.S. EPA ID Number

7. Transporter 2 Company Name: WJ Deiner Trucking U.S. EPA ID Number

8. Designated Facility Name and Site Address U.S. EPA ID Number

Facility's Phone: Waste Management High Areas Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non Hazardous Soil	001	DT	20	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name: Dennis Peck for City of Rochester Signature: Dennis Peck Month: 10 | Day: 10 | Year: 19

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Don Merriam Signature: [Signature] Month: 10 | Day: 10 | Year: 19

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number

Facility's Phone: 17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [Signature] Signature: [Signature] Month: 10 | Day: 10 | Year: 19



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1311029

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier LHL Light House Lake
 Ticket Date 10/10/2019 Vehicle# LL8 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	66280 lb*
In 10/10/2019 10:46	A_Scale_1	SD #604682		Tare	29540 lb*
Out 10/10/2019 10:46		SD #604682		Net	36740 lb
		* Manual Weight		Tons	18.37

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	18.37	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
Generator's Site Address (if different than mailing address)
585-584-8349

Generator's Phone: City of Rochester
6. Transporter 1 Company Name: 30 Church St, Rochester, NY 14614
520 Andrews Street, Rochester, NY 14612
U.S. EPA ID Number

7. Transporter 2 Company Name: WJ Dahrer Trucking
U.S. EPA ID Number

8. Designated Facility Name and Site Address
U.S. EPA ID Number

Facility's Phone: Waste Management High Acres Landfill
425 Perinton Parkway, Fairport, NY 14450

9. Waste Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non Hazardous Soil	001	DT	20	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name: Dennis Peck for City of Rochester
Signature: [Signature]
Month: 10, Day: 10, Year: 19

15. International Shipments
 Import to U.S. Export from U.S.
Port of entry/exit:
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter Signature (for exports only):
Date leaving U.S.:

Transporter 1 Printed/Typed Name: Cory Weiler
Signature: [Signature]
Month: 10, Day: 10, Year: 19

Transporter 2 Printed/Typed Name:
Signature:
Month: , Day: , Year:

17. Discrepancy

17a. Discrepancy Indication Space
 Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number:
U.S. EPA ID Number

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: , Day: , Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [Signature]
Signature: [Signature]
Month: 10, Day: 10, Year: 19



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1311036

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/10/2019 Vehicle# JT01 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	53640 lb
In 10/10/2019 11:10	A_Scale_1	SD #604682		Tare	27100 lb*
Out 10/10/2019 11:10	A_Scale_2	SD #604682		Net	26540 lb
		* Manual Weight		Tons	13.27

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	13.27	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

585-894-8515

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

30 Church St
Rochester, NY 14614

525 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

MJ DeRoy Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1.

Non Hazardous Soil

001

DT

20

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

Dennis Peck for City of Rochester

Dennis M Peck

10 10 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Nicholas McInerney DeRoy Trucking

Nicholas McInerney

10 10 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

SDuff

SDuff

11/20/19

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1311048

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier LHL Light House Lake
 Ticket Date 10/10/2019 Vehicle# LL8 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	70120 lb
In	10/10/2019 11:42	A_Scale_1	SD #604682		Tare	29540 lb*
Out	10/10/2019 11:43	A_Scale_2	SD #604682		Net	40580 lb
			* Manual Weight		Tons	20.29

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	20.29	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
Generator's Site Address (if different than mailing address)
585-693-6515

Generator's Phone:
6. Transporter 1 Company Name
City of Rochester
30 Church St
Rochester, NY 14614
520 Andrews Street
Rochester, NY 14612
U.S. EPA ID Number

7. Transporter 2 Company Name
M. Dahrel Trucking
U.S. EPA ID Number

8. Designated Facility Name and Site Address
U.S. EPA ID Number
Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14456
Facility's Phone:

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No	Type		
1. Non Hazardous Soil	20	DT	20	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeor's Printed/Typed Name
Dennis Peck for City of Rochester
Signature
Dennis Peck
Month Day Year
10 10 19

15. International Shipments
 Import to U.S. Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name
Don Merriman
Signature
D
Month Day Year
10 10 19
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space
 Quantity Type Residue Partial Rejection Full Rejection
Manifest Reference Number:
U.S. EPA ID Number

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year
10 10 19



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1311059

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier LHL Light House Lake
 Ticket Date 10/10/2019 Vehicle# LL8 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest na Grid CELL 12A
 Destination
 PD
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	75300 lb
In	10/10/2019 12:17	A_Scale_1	SD #604682		Tare	29540 lb
Out	10/10/2019 12:17		SD #604682		Net	45760 lb
					Tons	22.88

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	22.88	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____



128

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)

City of Rochester 30 Church St Rochester, NY 14614 585-594-5545

6. Transporter 1 Company Name U.S. EPA ID Number

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address U.S. EPA ID Number

Waste Management High Acres Landfill 425 Fenelon Parkway Fairport, NY 14450

Table with 5 columns: 9. Waste Description, 10. Containers (No., Type), 11. Total Quantity, 12. Unit Wt./Vol. Row 1: Non Hazardous Soil, 501, DT, 20, Y

13. Special Handling Instructions and Additional Information Profile Number 110107NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name Signature Month Day Year Dennis Peck for City of Rochester Dennis M Peck 10 10 19

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Year Cori Werner 10 10 19

Transporter 2 Printed/Typed Name Signature Month Day Year

17. Discrepancy 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name Signature Month Day Year Julie Holt Julie Holt 10 10 19

GENERATOR INT'L TRANSPORTER DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1311082

Customer Name	TRECENVIRONMENTAL-110197NY TR	Carrier	CCT CCT TRUCKING	Volume
Ticket Date	10/10/2019	Vehicle#	CC32	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0007781	
State Waste Code		Gen EPA ID	NOT REQUIRED	
Manifest	NA	Grid	CELL 12A	
Destination				
PO				
Profile	110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))			
Generator	190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER			

	Time	Scale	Operator	Inbound	Gross	62140 lb
In	10/10/2019 13:41	A_Scale_1			Tare	29300 lb
Out	10/10/2019 13:41				Net	32840 lb
					Tons	16.42

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	16.42	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____

Tree

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

585-594-5545

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

30 Church St
Rochester, NY 14614

U.S. EPA ID Number

200 Andrews Street
Rochester, NY 14614

7. Transporter 2 Company Name

MJ Dehrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
426 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

585-223-5132

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1.

Non Hazardous Soil

001

DT

20

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

Dennis Peck for City of Rochester

Dennis M Peck

10 10 19

15. International Shipments Import to U.S. Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Don Merrigan

Don Merrigan

10 10 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name

Signature

Month Day Year

Scott S

Scott S

10 10 19

GENERATOR

INTL

TRANSPORTER

DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1311115

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier LHL Light House Lake
 Ticket Date 10/10/2019 Vehicle# LL8 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	54100 lb
In	10/10/2019 14:12	A_Scale_1	SD #604682		Tare	29540 lb
Out	10/10/2019 14:12		SD #604682		Net	24560 lb
					Tons	12.28

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	12.28	Tons				MON
2 EVF-P16-Environmen	100		%				
3 RCR-P-Regulatory C	100		%				
4 LFS4-LANDFILL FIXE	100		%				

Total Fees
 Total Ticket

Driver's Signature _____

TRC

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address: City of Rochester, 585-594-5545

Generator's Phone: City of Rochester, 30 Church St, Rochester, NY 14614. U.S. EPA ID Number: 190 Andrews Street, Rochester, NY 14612

6. Transporter 1 Company Name: MJ Dehrer Trucking. U.S. EPA ID Number:

7. Designated Facility Name and Site Address: Waste Management High Acres Landfill, 425 Perinton Parkway, Fairport, NY 14450. U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Waste Management High Acres Landfill, 425 Perinton Parkway, Fairport, NY 14450. Facility's Phone:

Table with 4 columns: 9. Waste Shipping Name and Description, 10. Containers (No., Type), 11. Total Quantity, 12. Unit Wt./Vol. Row 1: Non Hazardous Soil, 001 DT 20.

13. Special Handling Instructions and Additional Information: Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Dennis Peck for City of Rochester. Signature: Dennis M Peck. Month: 10, Day: 10, Year: 19.

15. International Shipments: Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials. Transporter 1 Printed/Typed Name: Cory Wernse. Signature: [Signature]. Month: 10, Day: 10, Year: 19.

17. Discrepancy. 17a. Discrepancy Indication Space: Quantity, Type, Residue, Partial Rejection, Full Rejection.

17b. Alternate Facility (or Generator). Manifest Reference Number: U.S. EPA ID Number:

17c. Signature of Alternate Facility (or Generator). Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a. Printed/Typed Name: [Signature]. Signature: [Signature]. Month: 10, Day: 10, Year: 19.

GENERATOR INTL TRANSPORTER DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Reprint
 Ticket# 1311063

Customer Name TRECEENVIRONMENTAL-110197NY TR Carrier MJD M J DREHER TRUCKING, INC.
 Ticket Date 10/10/2019 Vehicle# JT01 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	64480 lb
In	10/10/2019 12:38	A_Scale_1	SD #604682		Tare	27100 lb
Out	10/10/2019 12:38		SD #604682		Net	37380 lb
					Tons	18.69

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	18.69	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)

Generator's Phone: City of Rochester 585-594-5545

6. Transporter 1 Company Name U.S. EPA ID Number
 20 Church St 120 Andrews Street
 Rochester, NY 14614 Rochester, NY 14612

7. Transporter 2 Company Name U.S. EPA ID Number
 WJ Dehrer Trucking

8. Designated Facility Name and Site Address U.S. EPA ID Number

Facility's Phone: Waste Management High Acres Landfill
 425 Perinton Parkway
 Fairport, NY 14456

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non-Hazardous Soil	001	DT	20	
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
 Profile Number 110187NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name Signature Month Day Year
 Learning Pack for City of Rochester Learning / PK 10 1 11

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name Signature Month Day Year
 Debra M. Murray [Signature] 10 1 11
 Transporter 2 Printed/Typed Name Signature Month Day Year

17. Discrepancy
 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number
 Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
 Printed/Typed Name Signature Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Original
 Ticket# 1311537

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier CCT CCT TRUCKING
 Ticket Date 10/11/2019 Vehicle# CC32 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	61740 lb
In	10/11/2019 12:26	A_Scale_1	SD #604682		Tare	29300 lb
Out	10/11/2019 12:26		SD #604682		Net	32440 lb
					Tons	16.22

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	16.22	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

585-594-5545

Generator's Phone:

City of Rochester

6. Transporter 1 Company Name

30 Church St
Rochester, NY 14614

300 Andrews Street
Rochester, NY 14612

U.S. EPA ID Number

7. Transporter 2 Company Name

MJ Dahrer Trucking

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

Waste Management High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450

9. Waste Shipping Name and Description

385-228-8132

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1.

Non Hazardous Soil

001

DT

20

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

Dennis Peck for City of Rochester

Dennis M Peck

10 11 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Don Merriam

Don

10 11 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

8 Duffy

[Signature]

10 11 19

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Waste Management High Acres LF
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Reprint
 Ticket# 1311578

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier CCT CCT TRUCKING
 Ticket Date 10/11/2019 Vehicle# CC32
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Volume

Time	Scale	Operator	Inbound	Gross	52660 lb
In 10/11/2019 14:15	A_Scale_1	SD #604682		Tare	29300 lb
Out 10/11/2019 14:15		SD #604682		Net	23360 lb
				Tons	11.68

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	11.68	Tons				MON
2 EVF-P16-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Ticket Total Fees

Driver's Signature _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)
 585-524-5545

Generator's Phone: City of Rochester
 6. Transporter 1 Company Name: 30 Church St, Rochester, NY 14614
 320 Ardmore Road, Tonawanda, NY 14292 U.S. EPA ID Number

7. Transporter 2 Company Name: MJ Dehrer Trucking U.S. EPA ID Number

8. Designated Facility Name and Site Address U.S. EPA ID Number

Waste Management High Acres Landfill
 425 Perinton Parkway
 Fairport, NY 14450
 Facility's Phone:

9. Waste Shipment Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non Hazardous Soil	20	DT		
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Profile Number 110197NY

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Dennis Peck for City of Rochester Signature: *Dennis Peck* Month: 10, Day: 11, Year: 19

15. International Shipments: Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: Don Merriam Signature: *Don* Month: 10, Day: 11, Year: 19
 Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy
 17a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number: U.S. EPA ID Number:

17b. Alternate Facility (or Generator): U.S. EPA ID Number:

Facility's Phone: Month: Day: Year:

17c. Signature of Alternate Facility (or Generator): Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a
 Printed/Typed Name: Signature: Month: 10, Day: 11, Year: 19

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Waste Management High Acres LE
 425 Perinton Pkwy
 Fairport, NY, 14450
 Ph: (585) 223-6132

Reprint
 Ticket# 1313888

Customer Name TRECENVIRONMENTAL-110197NY TR Carrier TREC ENV
 Ticket Date 10/23/2019 Vehicle# T2
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007781
 State Waste Code Gen EPA ID NOT REQUIRED
 Manifest NA Grid CELL 12A
 Destination
 PO
 Profile 110197NY (NON HAZARDOUS SOIL (IRM 1 AND 2))
 Generator 190-CITYOFROCHESTERANDREWS CITY OF ROCHESTER

Volume

Time	Scale	Operator	Inbound	Gross	15800 lb
In 10/23/2019 11:56 A	Scale_1	SD #604682		Tare	14480 lb
Out 10/23/2019 12:17 B	Scale_2	SD #604682		Net	1320 lb
Comments				Tons	0.66

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	0.66	Tons				MON
2 EVF-Pl6-Environmen	100		%				MON
3 RCR-P-Regulatory C	100		%				MON
4 LFS4-LANDFILL FIXE	100		%				MON

Total Fees
 Total Ticket

Driver's Signature _____

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address) 565-684-5545		
	Generator's Phone	City of Rochester 30 Church St. Rochester, NY 14614		320 Andrews Street Rochester, NY 14612	
	6. Transporter 1 Company Name	Rochester, NY 14614		U.S. EPA ID Number	
	7. Transporter 2 Company Name	No. Generator Tracking TREE Environmental, Inc.		U.S. EPA ID Number	
	8. Designated Facility Name and Site Address				U.S. EPA ID Number
	Waste Management High Acres Landfill 425 Perinton Parkway Fairport, NY 14450				
	Facility's Phone:				
	9. Waste ID and Description		10. Containers		11. Total Quantity
			No.	Type	12. Unit Wt./Vol.
	1. Non Hazardous Soil		001	DT	20 Y
	2.				
	3.				
	4.				
	13. Special Handling Instructions and Additional Information				
	Profile Number 110197NY				
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
	Generator's/Offeror's Printed/Typed Name		Signature		Month Day Year
	Dennis Peck for City of Rochester		Dennis M Peck		10 22 19
	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:				
	16. Transporter Acknowledgment of Receipt of Materials				
	Transporter 1 Printed/Typed Name		Signature		Month Day Year
	Eric Hamman		Eric Hamman		10 22 19
	Transporter 2 Printed/Typed Name		Signature		Month Day Year
	17. Discrepancy				
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
	Manifest Reference Number:				
	17b. Alternate Facility (or Generator)				U.S. EPA ID Number
	Facility's Phone:				
	17c. Signature of Alternate Facility (or Generator)				Month Day Year
	18. Designated Facility Owner or Operator, Certification of receipt of materials covered by the manifest except as noted in Item 17a				
	Printed/Typed Name		Signature		Month Day Year
	Duff		Duff		10 23 19